

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020216\
 Data File : BF084759.D
 Acq On : 2 Feb 2016 21:27
 Operator : SJ/IZ
 Sample : H1314-02MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 IMPACT-PS-001MSD

Manual Integrations
 APPROVED

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 2/3/2016 6:25:38 PM

Quant Time: Feb 03 02:44:04 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 01 14:55:11 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	175590	20.00	ng	-0.03
21) Naphthalene-d8	7.98	136	697721	20.00	ng	-0.03
38) Acenaphthene-d10	9.74	164	348225	20.00	ng	-0.02
63) Phenanthrene-d10	11.22	188	625758	20.00	ng	-0.02
75) Chrysene-d12	13.85	240	416645	20.00	ng	-0.02
86) Perylene-d12	15.23	264	357828	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.30	112	1493016	132.44	ng	-0.01
7) Phenol-d6	6.36	99	1892779	135.44	ng	-0.01
23) Nitrobenzene-d5	7.28	82	1227911	99.14	ng	-0.02
41) 2,4,6-Tribromophenol	10.53	330	479280	131.95	ng	-0.02
44) 2-Fluorobiphenyl	9.07	172	1930337	98.67	ng	-0.02
78) Terphenyl-d14	12.81	244	1893615	102.99	ng	-0.02

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.26	88	183152	37.09	ng	# 75
3) Pyridine	2.92	79	505430	39.29	ng	# 76
4) n-Nitrosodimethylamine	2.89	42	300210	45.12	ng	82
6) Aniline	6.36	93	499279	29.20	ng	# 60
8) 2-Chlorophenol	6.49	128	561181	43.98	ng	92
9) Benzaldehyde	6.24	77	215727	26.14	ng	92
10) Phenol	6.37	94	777129	49.64	ng	95
11) bis(2-Chloroethyl)ether	6.44	93	515613m	42.23	ng	
12) 1,3-Dichlorobenzene	6.64	146	543885	40.34	ng	# 93
13) 1,4-Dichlorobenzene	6.72	146	575554	42.71	ng	96
14) 1,2-Dichlorobenzene	6.88	146	514678	41.00	ng	94
15) Benzyl Alcohol	6.85	79	440642	45.66	ng	90
16) 2,2'-oxybis(1-Chloropropan	6.99	45	840321	40.92	ng	88
17) 2-Methylphenol	6.98	107	469670	46.54	ng	# 91
18) Hexachloroethane	7.21	117	216162	41.65	ng	93
19) n-Nitroso-di-n-propylamine	7.13	70	381758	43.58	ng	# 75
20) 3+4-Methylphenols	7.13	107	578840	46.21	ng	# 69
22) Acetophenone	7.12	105	803723	43.71	ng	99
24) Nitrobenzene	7.29	77	532613	40.16	ng	96
25) Isophorone	7.54	82	1090002	45.26	ng	97
26) 2-Nitrophenol	7.61	139	310339	47.44	ng	# 87
27) 2,4-Dimethylphenol	7.66	122	492729	43.30	ng	89
28) bis(2-Chloroethoxy)methane	7.74	93	658119	46.06	ng	100
29) 2,4-Dichlorophenol	7.86	162	485952	49.92	ng	95
30) 1,2,4-Trichlorobenzene	7.93	180	479692	43.62	ng	97
31) Naphthalene	8.01	128	1494397	42.70	ng	99
32) Benzoic acid	7.77	122	106926	14.69	ng	95
33) 4-Chloroaniline	8.06	127	303559	20.97	ng	96
34) Hexachlorobutadiene	8.13	225	283073	44.65	ng	98
35) Caprolactam	8.45	113	154976m	51.65	ng	
36) 4-Chloro-3-methylphenol	8.57	107	552387	49.74	ng	98
37) 2-Methylnaphthalene	8.70	142	1147773	52.40	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.86	216	419046	37.89	ng	97
40) Hexachlorocyclopentadiene	8.85	237	425281	84.96	ng	97

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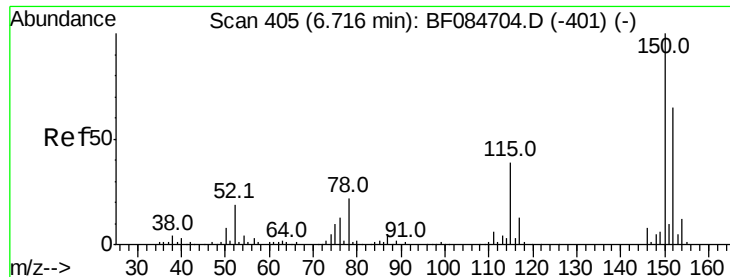
Manual Integrations
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.99	196	323430	45.39	nq	94
43) 2,4,5-Trichlorophenol	9.04	196	330415	45.64	nq	95
45) 1,1'-Biphenyl	9.17	154	1284194	41.29	nq	94
46) 2-Chloronaphthalene	9.18	162	949227	41.44	nq	97
47) 2-Nitroaniline	9.29	65	302718	41.74	nq	98
48) Acenaphthylene	9.61	152	1528454	43.97	nq	99
49) Dimethylphthalate	9.48	163	1379053	52.00	nq	# 91
50) 2,6-Dinitrotoluene	9.54	165	269748	46.56	nq	# 70
51) Acenaphthene	9.78	154	986813	43.64	nq	97
52) 3-Nitroaniline	9.70	138	165902	25.48	nq	99
53) 2,4-Dinitrophenol	9.81	184	220206	82.18	nq	# 83
54) Dibenzofuran	9.95	168	1378961	49.89	nq	97
55) 4-Nitrophenol	9.89	139	408860	85.45	nq	85
56) 2,4-Dinitrotoluene	9.94	165	295711	40.01	nq	# 75
57) Fluorene	10.29	166	1039148	45.02	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.06	232	249322	45.24	nq	92
59) Diethylphthalate	10.18	149	1199901	46.33	nq	98
60) 4-Chlorophenyl-phenylether	10.28	204	436130	44.97	nq	93
61) 4-Nitroaniline	10.32	138	270345	42.61	nq	93
62) Azobenzene	10.44	77	1180195	47.39	nq	90
64) 4,6-Dinitro-2-methylphenol	10.35	198	201755	52.24	nq	97
65) n-Nitrosodiphenylamine	10.41	169	947369	47.68	nq	99
66) 4-Bromophenyl-phenylether	10.77	248	329924	47.74	nq	95
67) Hexachlorobenzene	10.83	284	308069	40.91	nq	# 83
68) Atrazine	10.94	200	308279	49.13	nq	90
69) Pentachlorophenol	11.04	266	344036	97.21	nq	98
70) Phenanthrene	11.24	178	1401438	40.38	nq	97
71) Anthracene	11.30	178	1668007	47.70	nq	99
72) Carbazole	11.46	167	1504150	49.32	nq	98
73) Di-n-butylphthalate	11.79	149	1604651	41.33	nq	# 96
74) Fluoranthene	12.43	202	1660277	47.26	nq	94
76) Benzidine	12.56	184	556363	37.79	nq	98
77) Pyrene	12.66	202	1644680	51.56	nq	100
79) Butylbenzylphthalate	13.29	149	744986	51.48	nq	# 88
80) Benzo(a)anthracene	13.84	228	1177844	45.55	nq	99
81) 3,3'-Dichlorobenzidine	13.80	252	196295	21.44	nq	# 94
82) Chrysene	13.88	228	1151640	45.93	nq	99
83) Bis(2-ethylhexyl)phthalate	13.85	149	872662	48.46	nq	# 97
84) Di-n-octyl phthalate	14.45	149	1302960	43.85	nq	# 88
85) Indeno(1,2,3-cd)pyrene	16.53	276	987107	50.01	nq	99
87) Benzo(b)fluoranthene	14.84	252	1233286m	51.30	nq	
88) Benzo(k)fluoranthene	14.88	252	727607m	36.60	nq	
89) Benzo(a)pyrene	15.17	252	912571	44.55	nq	98
90) Dibenzo(a,h)anthracene	16.55	278	814926	47.26	nq	# 93
91) Benzo(g,h,i)perylene	16.92	276	852564	49.08	nq	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.69 min Scan# 403

Delta R.T. -0.03 min

Lab File: BF084759.D

Acq: 2 Feb 2016 21:27

Instrument :

BNA_F

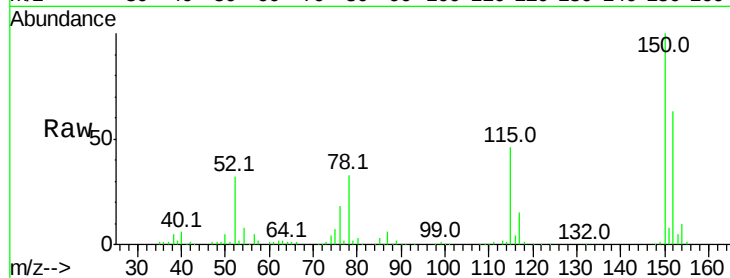
ClientSampleId :

IMPACT-PS-001MSD

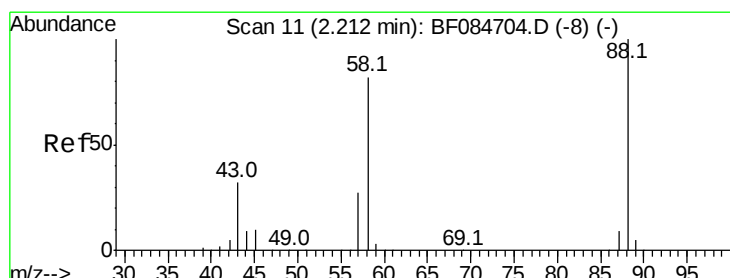
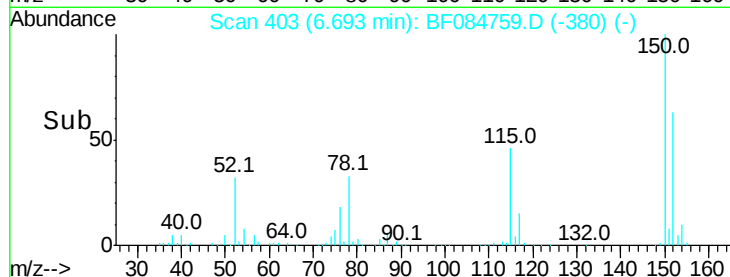
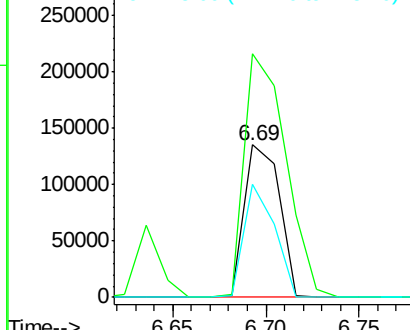
Tot Ion:	152	Resp:	175590
Ion Ratio	Lower	Upper	
152	100		
150	159.6	123.0	184.4
115	74.1	51.4	77.2

Manual Integrations
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 37.09 ng

RT: 2.26 min Scan# 15

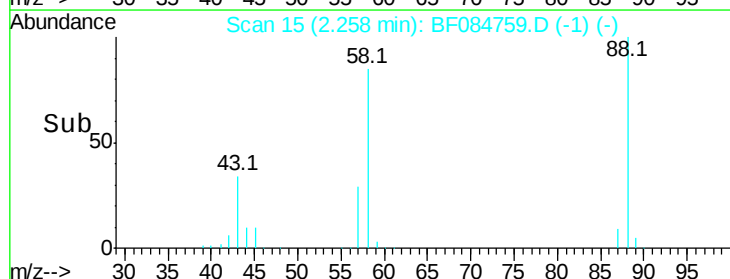
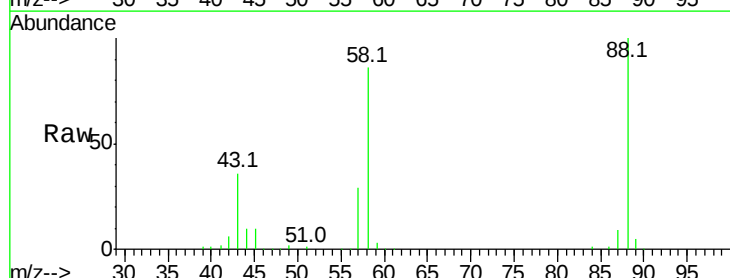
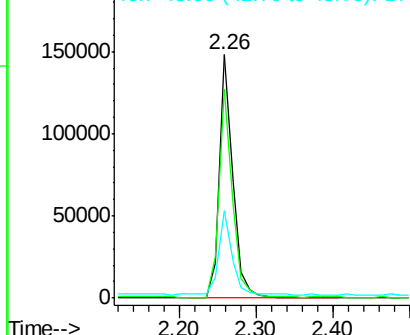
Delta R.T. 0.03 min

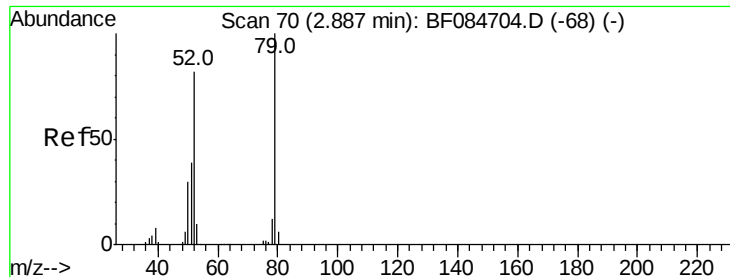
Lab File: BF084759.D

Acq: 2 Feb 2016 21:27

Tgt Ion:	88	Resp:	183152
Ion Ratio	Lower	Upper	
88	100		
58	84.0	51.2	76.8#
43	35.3	19.5	29.3#

Abundance Ion 88.00 (87.70 to 88.70): BF0
Ion 58.00 (57.70 to 58.70): BF0
Ion 43.00 (42.70 to 43.70): BF0





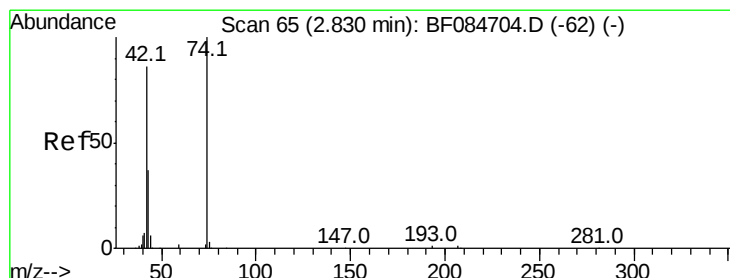
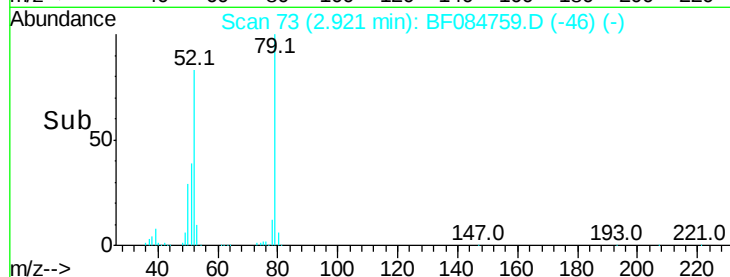
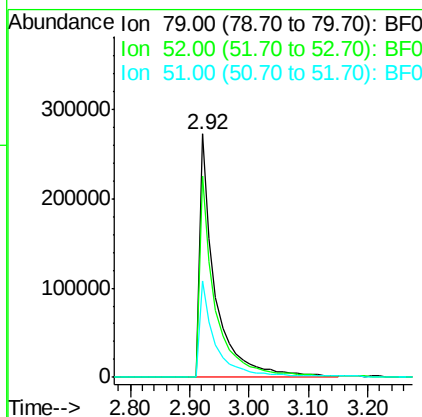
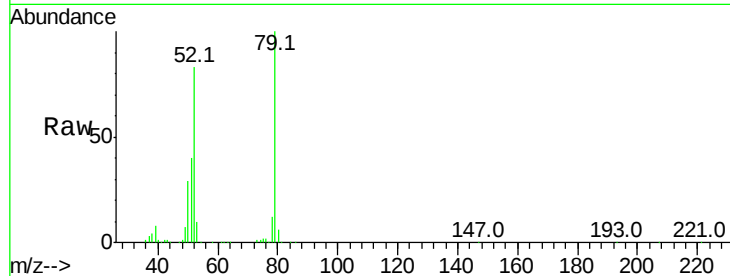
#3
 Pvridine
 Concen: 39.29 ng
 RT: 2.92 min Scan# 73
 Delta R.T. 0.01 min
 Lab File: BF084759.D
 Acq: 2 Feb 2016 21:27

Instrument :
 BNA_F
 ClientSampleId :
 IMPACT-PS-001MSD

Tot Ion	Ratio	Lower	Upper
79	100		
52	82.7	49.0	73.4#
51	39.6	25.2	37.8#

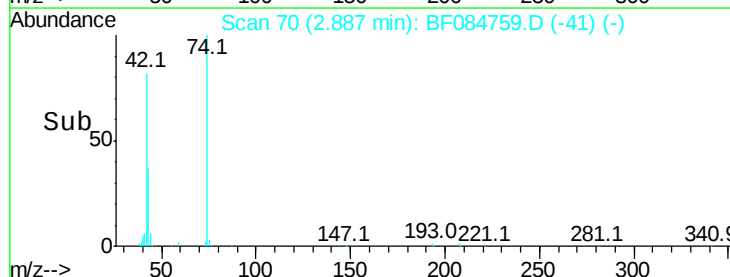
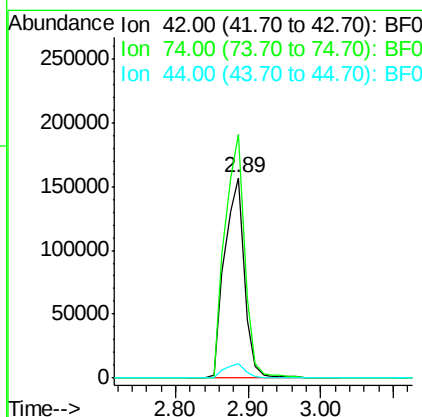
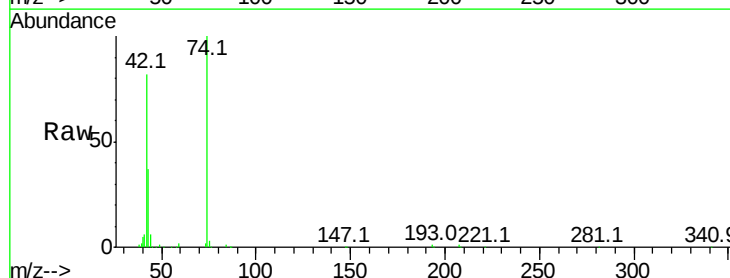
Manual Integrations
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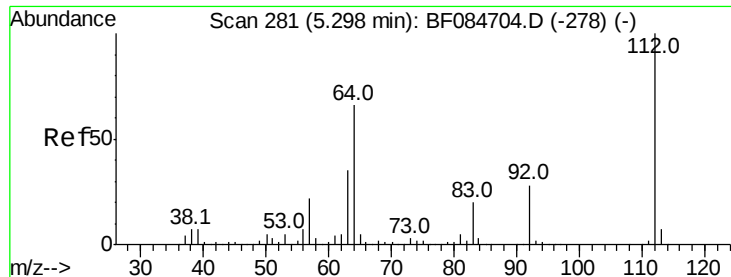
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#4
 n-Nitrosodimethylamine
 Concen: 45.12 ng
 RT: 2.89 min Scan# 70
 Delta R.T. 0.03 min
 Lab File: BF084759.D
 Acq: 2 Feb 2016 21:27

Tgt Ion	Ratio	Lower	Upper
42	100		
74	121.7	115.7	173.5
44	7.0	5.1	7.7





#5

2-Fluorophenol

Concen: 132.44 ng

RT: 5.30 min Scan# 281

Delta R.T. -0.01 min

Lab File: BF084759.D

Acq: 2 Feb 2016 21:27

Instrument :

BNA_F

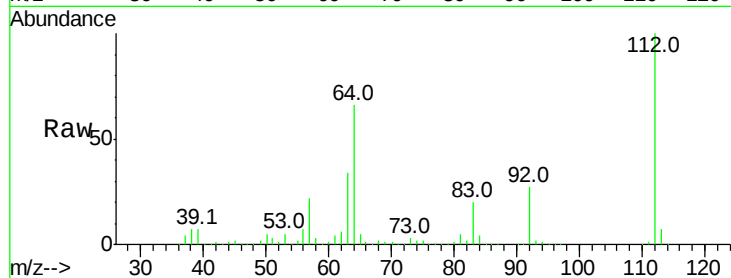
ClientSampleId :

IMPACT-PS-001MSD

Tot Ion:	112	Resp:	1493016
Ion Ratio	Lower	Upper	
112	100		
64	66.1	36.6	55.0#
63	34.3	19.4	29.0#

Manual Integrations
APPROVED

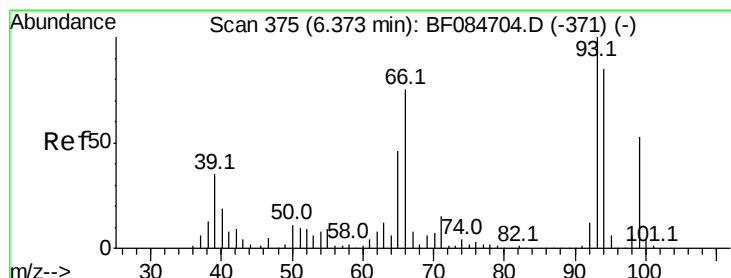
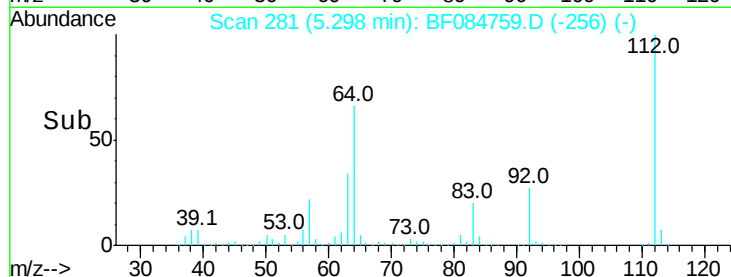
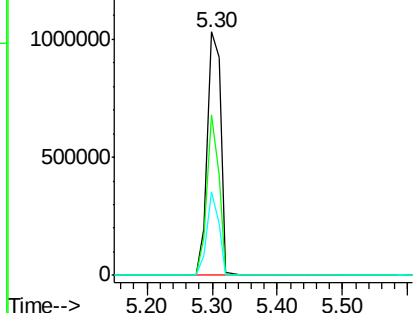
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 29.20 ng

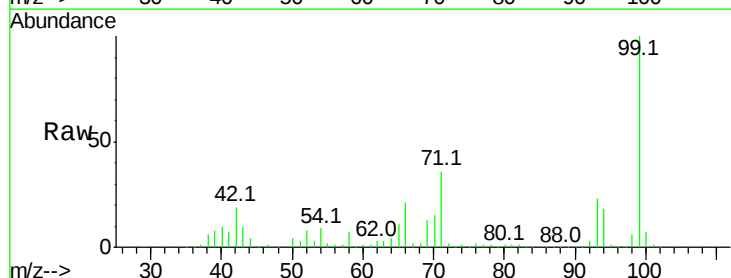
RT: 6.36 min Scan# 374

Delta R.T. -0.02 min

Lab File: BF084759.D

Acq: 2 Feb 2016 21:27

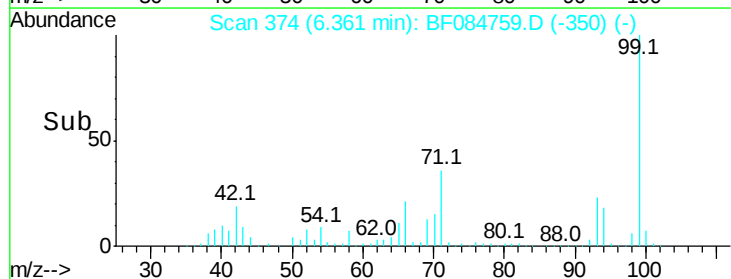
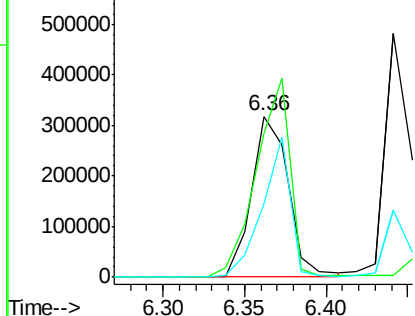
Tgt Ion:	93	Resp:	499279
Ion Ratio	Lower	Upper	
93	100		
66	89.3	44.9	67.3#
65	46.0	23.7	35.5#

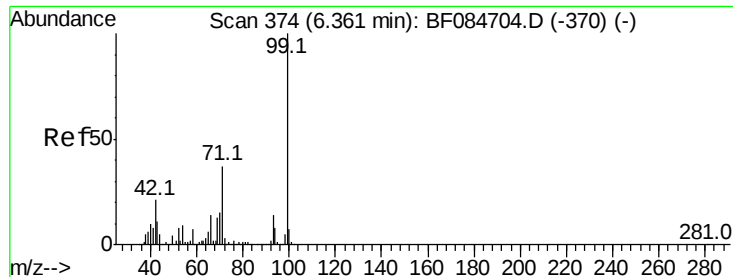


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 135.44 ng

RT: 6.36 min Scan# 374

Delta R.T. -0.01 min

Lab File: BF084759.D

Acq: 2 Feb 2016 21:27

Instrument :

BNA_F

ClientSampleId :

IMPACT-PS-001MSD

Tot Ion: 99 Resp: 1892779

Ion Ratio Lower Upper

99 100

42 18.8 12.8 19.2

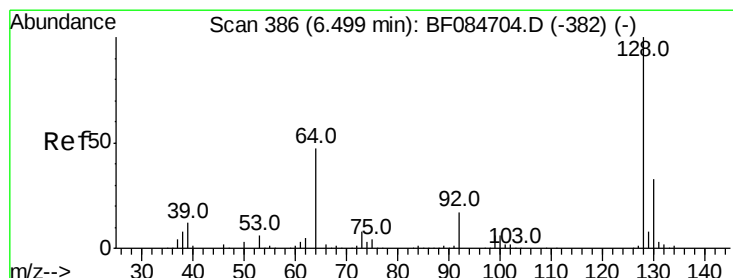
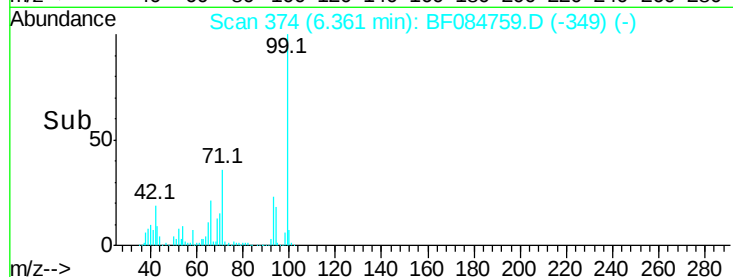
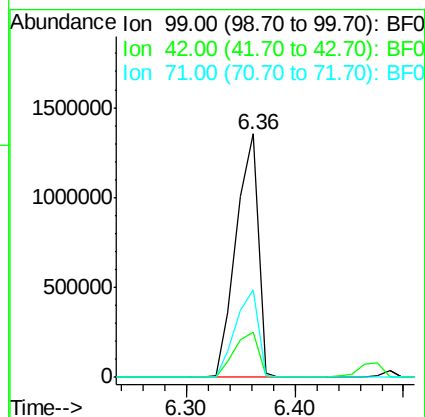
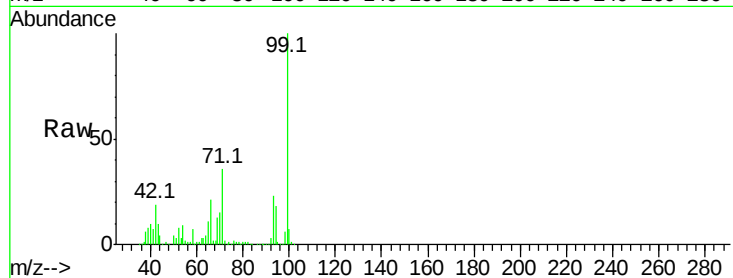
71 36.1 30.9 46.3

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#8

2-Chlorophenol

Concen: 43.98 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF084759.D

Acq: 2 Feb 2016 21:27

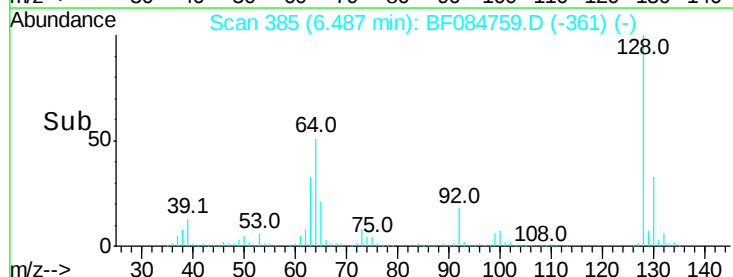
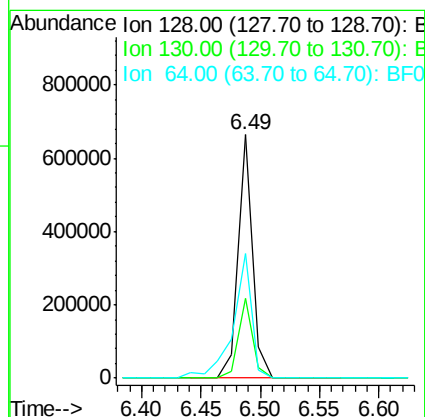
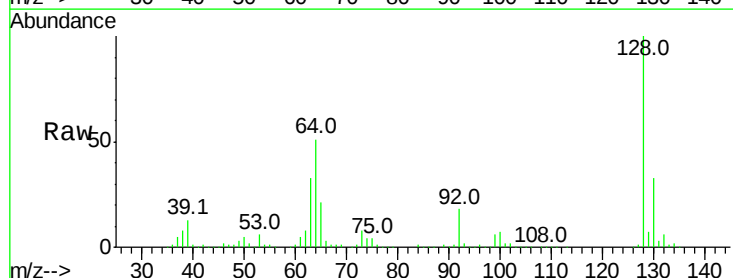
Tgt Ion:128 Resp: 561181

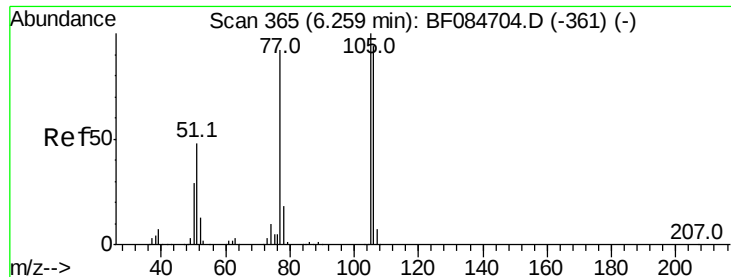
Ion Ratio Lower Upper

128 100

130 33.0 11.6 51.6

64 51.1 23.8 63.8





#9

Benzaldehyde

Concen: 26.14 ng

RT: 6.24 min Scan# 363

Delta R.T. -0.03 min

Lab File: BF084759.D

Acq: 2 Feb 2016 21:27

Instrument :

BNA_F

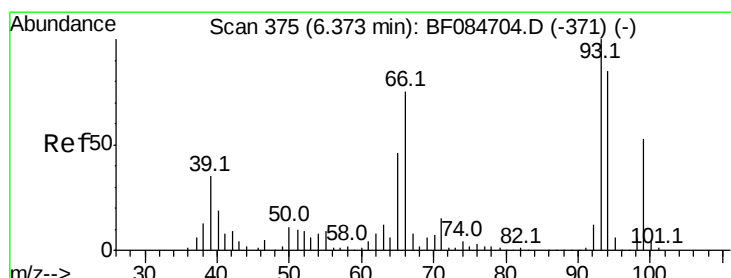
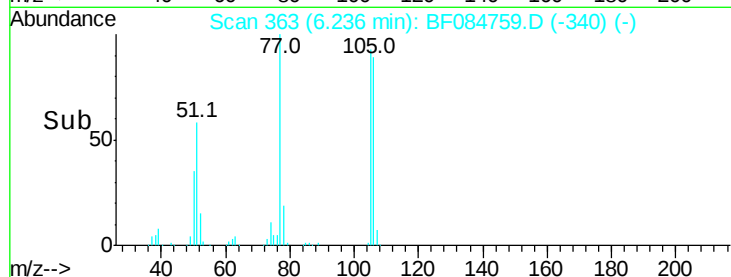
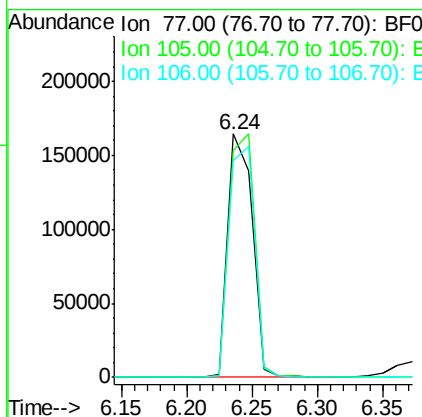
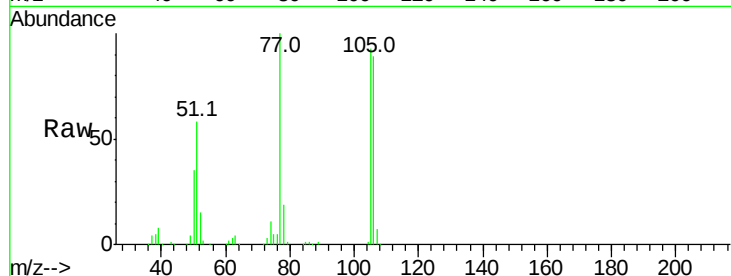
ClientSampleId :

IMPACT-PS-001MSD

Tot Ion	Ratio	Lower	Upper
77	100		
105	93.1	83.0	123.0
106	88.8	74.6	114.6

Manual Integrations
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#10

Phenol

Concen: 49.64 ng

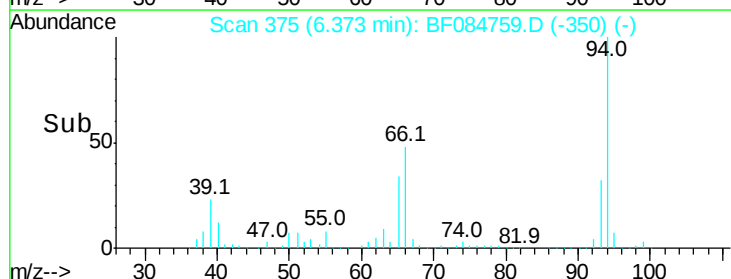
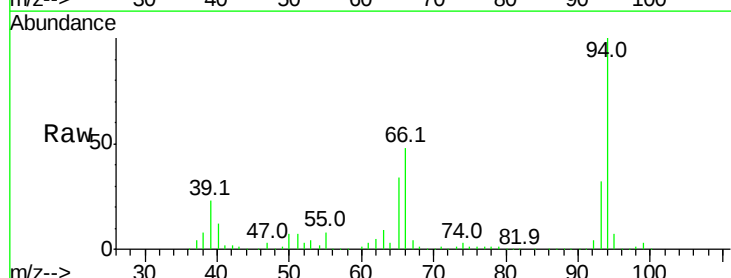
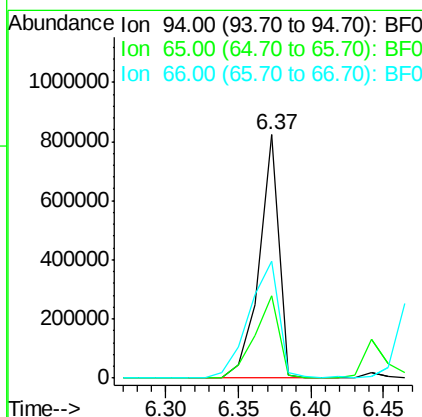
RT: 6.37 min Scan# 375

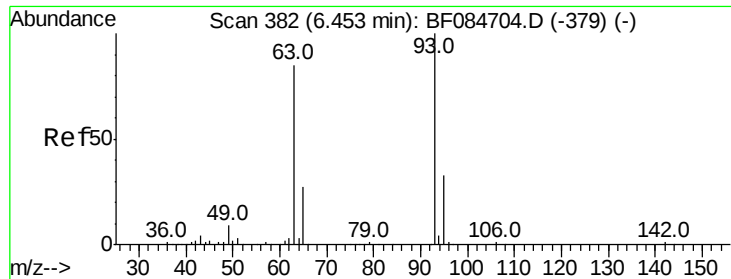
Delta R.T. -0.01 min

Lab File: BF084759.D

Acq: 2 Feb 2016 21:27

Tgt Ion	Ratio	Lower	Upper
94	100		
65	33.7	12.9	52.9
66	47.9	32.7	72.7





#11

bis(2-Chloroethyl)ether

Concen: 42.23 ng/mL

RT: 6.44 min Scan# 381

Delta R.T. -0.02 min

Lab File: BF084759.D

Acq: 2 Feb 2016 21:27

Instrument :

BNA_F

ClientSampleId :

IMPACT-PS-001MSD

Tot Ion: 93 Resp: 515613

Ion Ratio Lower Upper

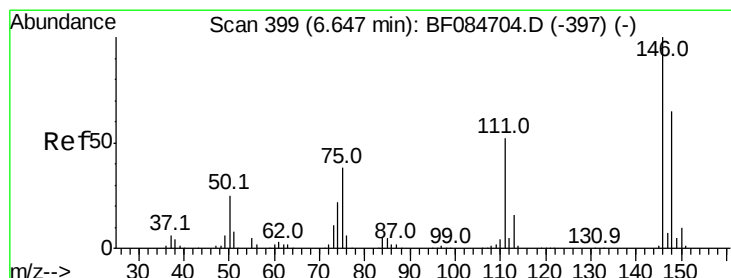
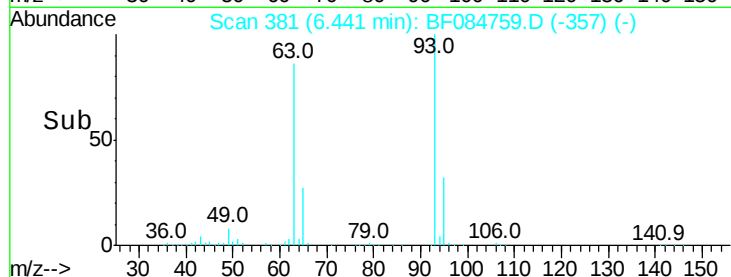
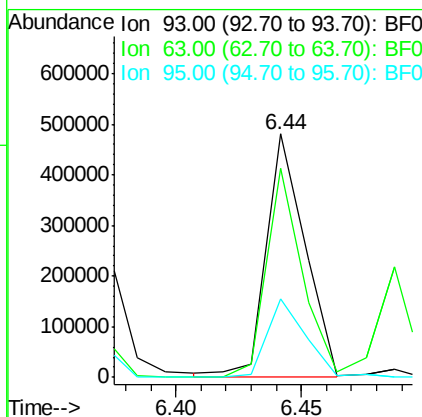
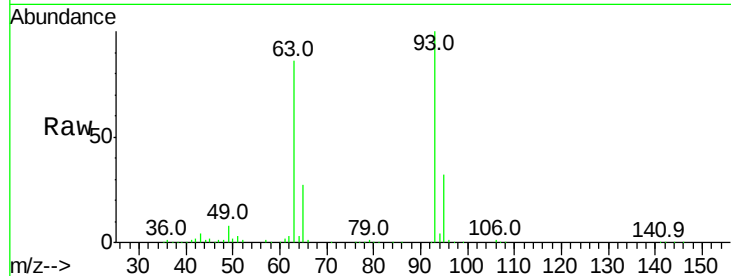
93 100

63 86.0 45.9 85.9#

95 32.1 12.3 52.3

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#12

1,3-Dichlorobenzene

Concen: 40.34 ng/mL

RT: 6.64 min Scan# 398

Delta R.T. -0.02 min

Lab File: BF084759.D

Acq: 2 Feb 2016 21:27

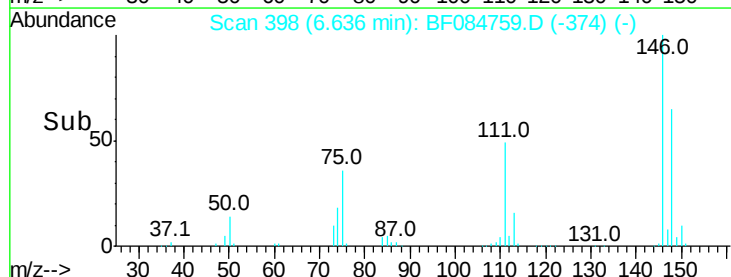
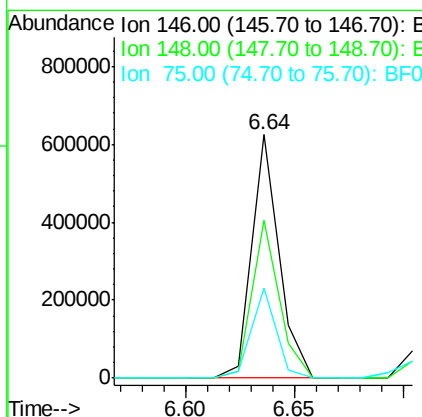
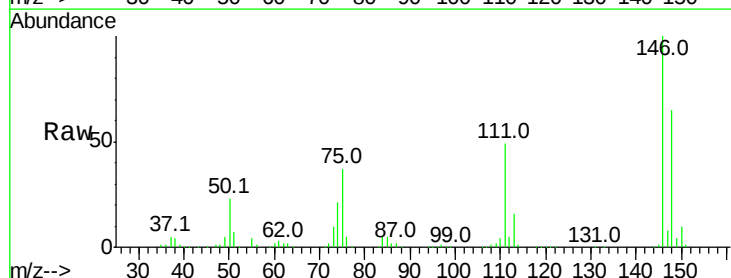
Tgt Ion: 146 Resp: 543885

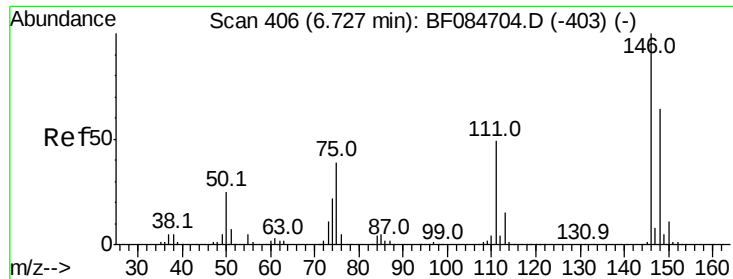
Ion Ratio Lower Upper

146 100

148 64.7 51.9 77.9

75 37.1 20.5 30.7#





#13

1,4-Dichlorobenzene

Concen: 42.71 ng

RT: 6.72 min Scan# 405

Delta R.T. -0.02 min

Lab File: BF084759.D

Acq: 2 Feb 2016 21:27

Instrument :

BNA_F

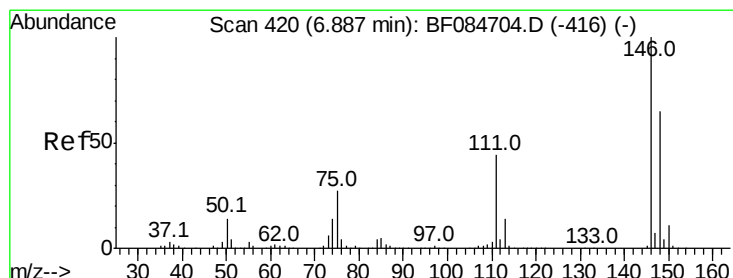
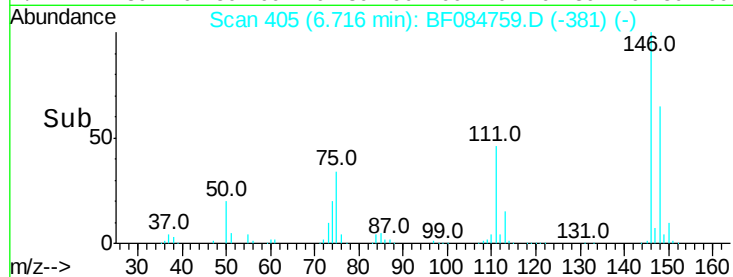
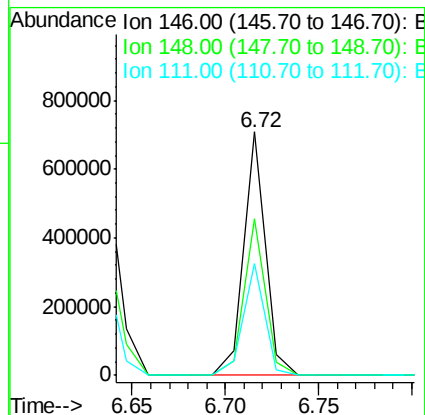
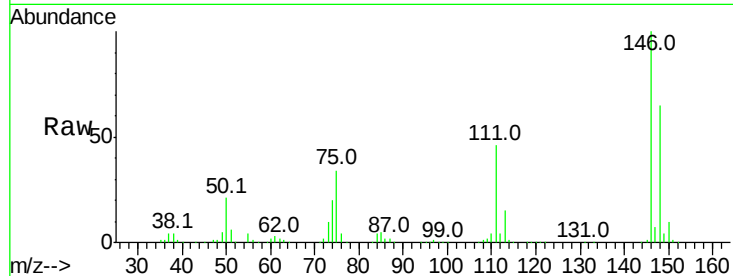
ClientSampleId :

IMPACT-PS-001MSD

Tot Ion:	146	Resp:	575554
Ion Ratio	Lower	Upper	
146	100		
148	64.5	51.9	77.9
111	46.1	41.6	62.4

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#14

1,2-Dichlorobenzene

Concen: 41.00 ng

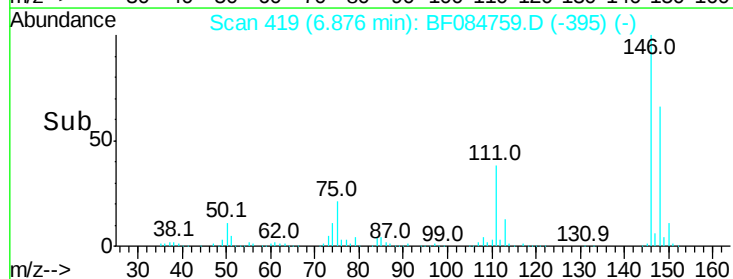
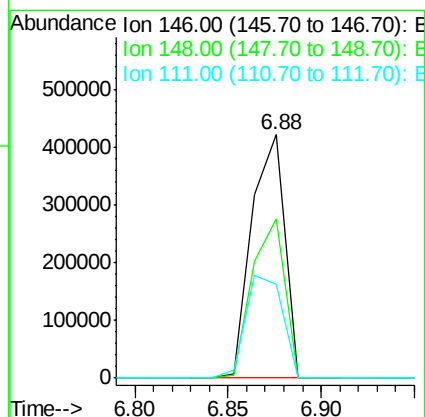
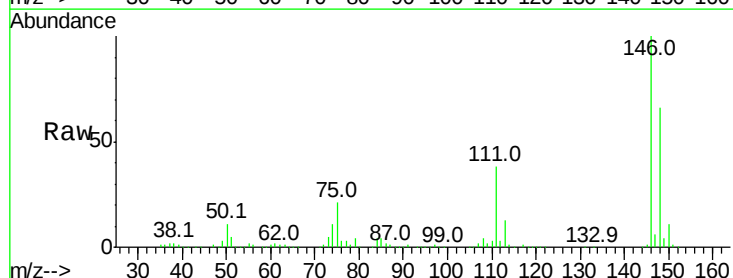
RT: 6.88 min Scan# 419

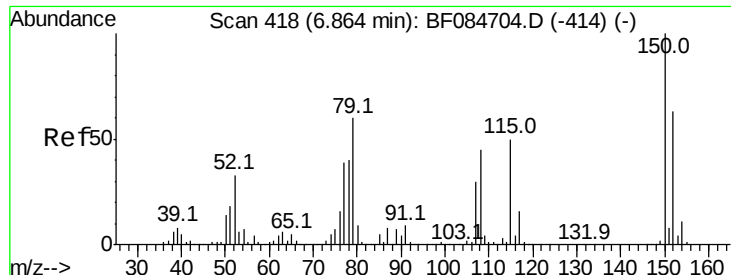
Delta R.T. -0.02 min

Lab File: BF084759.D

Acq: 2 Feb 2016 21:27

Tgt Ion:	146	Resp:	514678
Ion Ratio	Lower	Upper	
146	100		
148	65.5	51.6	77.4
111	38.5	38.0	57.0





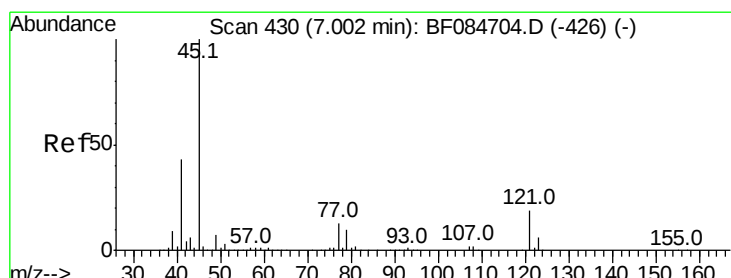
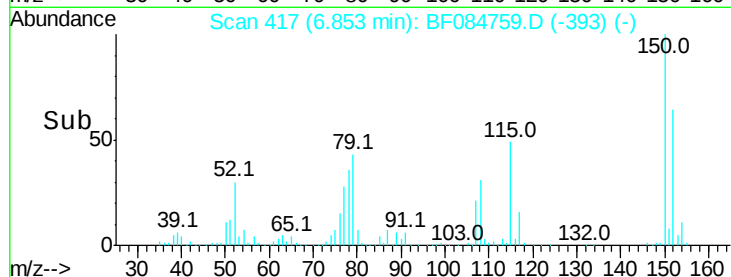
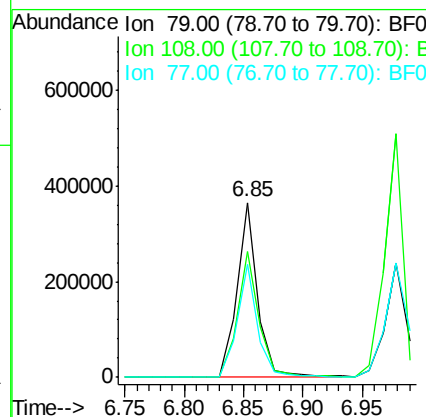
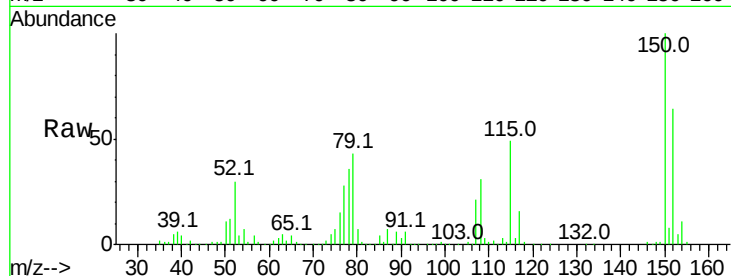
#15
Benzyl Alcohol
Concen: 45.66 ng
RT: 6.85 min Scan# 417
Delta R.T. -0.02 min
Lab File: BF084759.D
Acq: 2 Feb 2016 21:27

Instrument :
BNA_F
ClientSampleId :
IMPACT-PS-001MSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	71.8	69.0	103.4
77	64.7	50.0	75.0

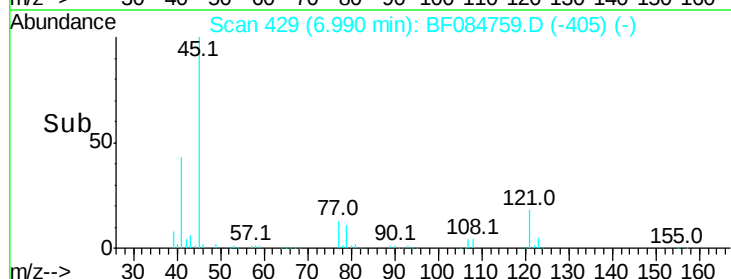
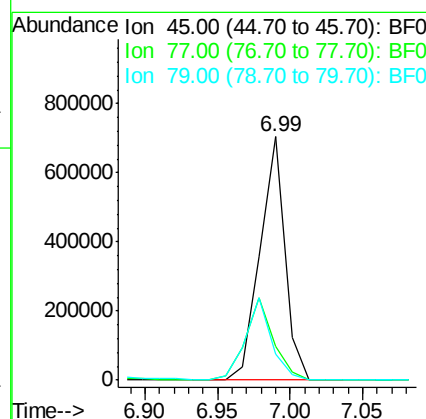
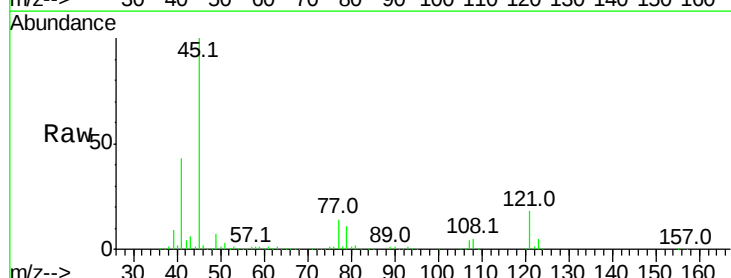
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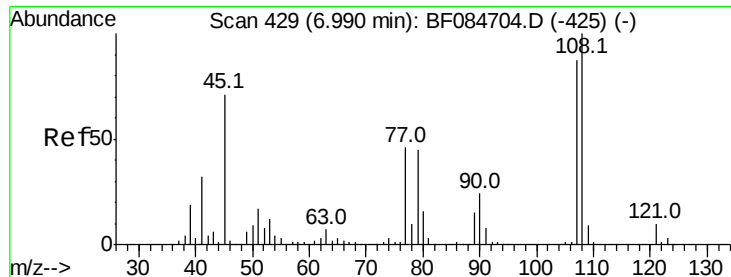
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#16
2,2'-oxybis(1-chloropropane)
Concen: 40.92 ng
RT: 6.99 min Scan# 429
Delta R.T. -0.02 min
Lab File: BF084759.D
Acq: 2 Feb 2016 21:27

Tgt Ion	Ratio	Lower	Upper
45	100		
77	13.6	0.0	39.6
79	10.8	0.0	35.0





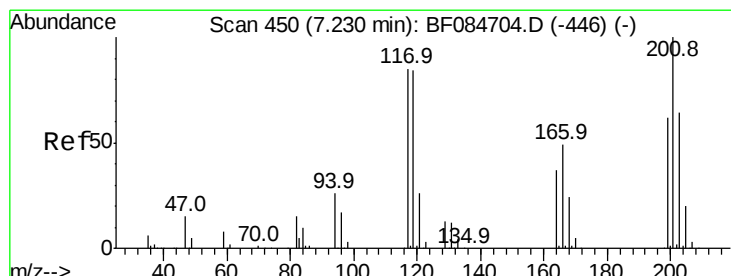
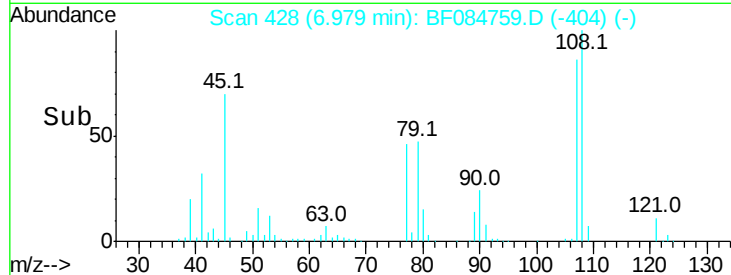
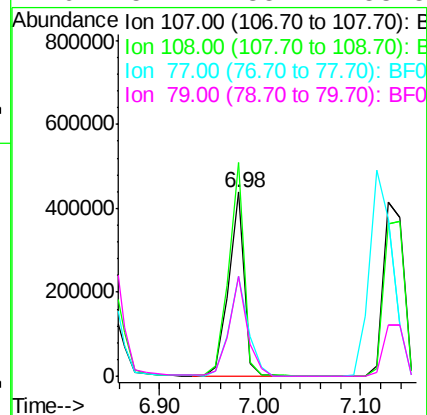
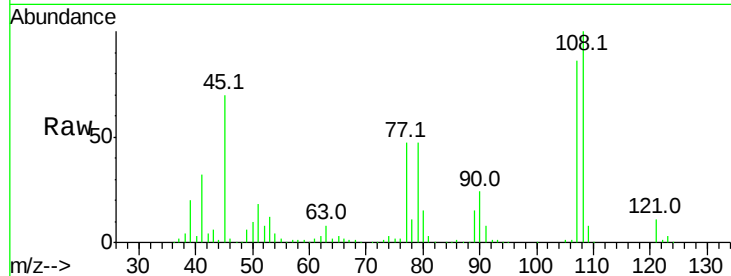
#17
2-Methylphenol
Concen: 46.54 ng
RT: 6.98 min Scan# 428
Delta R.T. -0.02 min
Lab File: BF084759.D
Acq: 2 Feb 2016 21:27

Instrument :
BNA_F
ClientSampleId :
IMPACT-PS-001MSD

Tot Ion	Ratio	Lower	Upper
107	100		
108	116.0	89.8	134.6
77	54.6	35.7	53.5#
79	54.4	35.7	53.5#

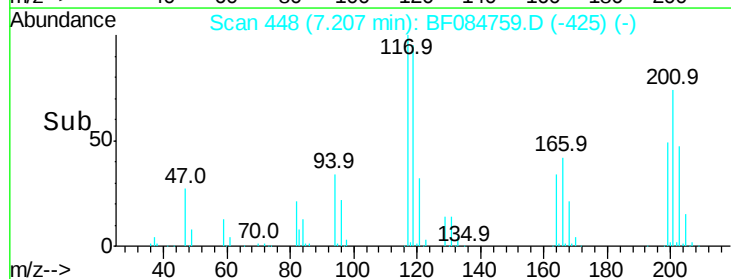
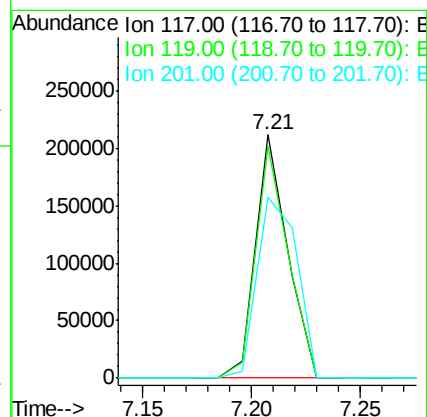
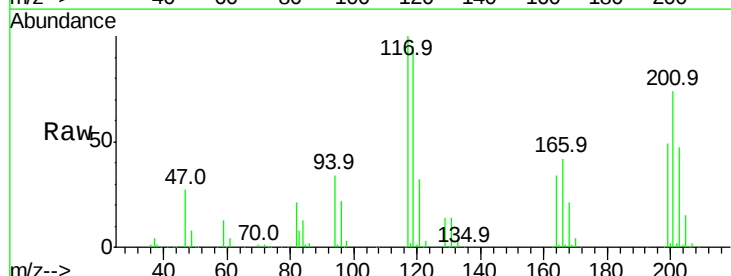
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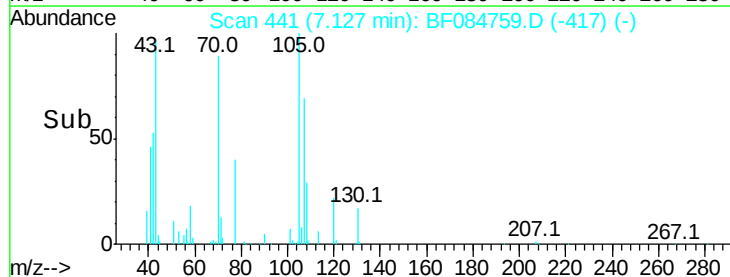
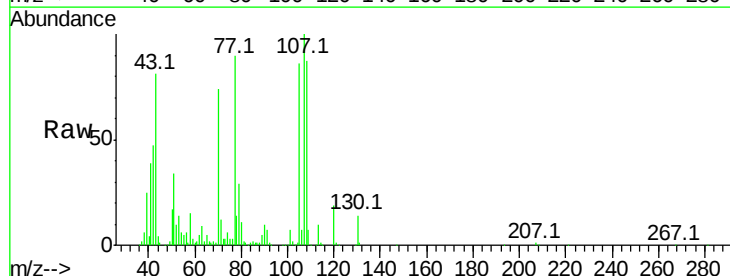
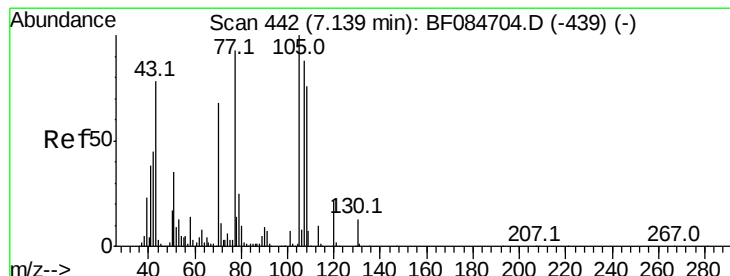
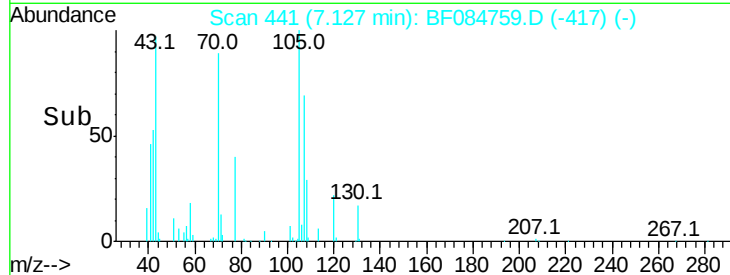
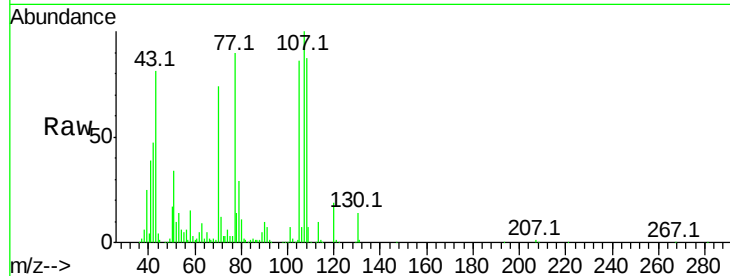
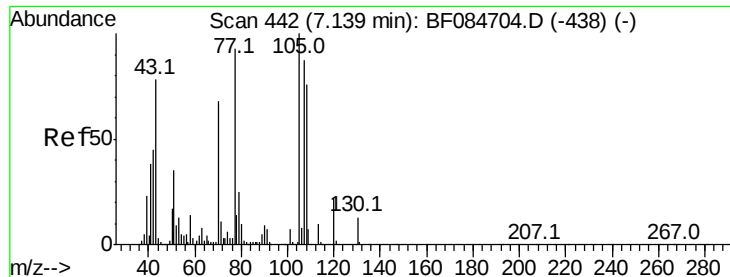
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2/3/2016 6:25:38 PM



#18
Hexachloroethane
Concen: 41.65 ng
RT: 7.21 min Scan# 448
Delta R.T. -0.03 min
Lab File: BF084759.D
Acq: 2 Feb 2016 21:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.5	77.4	116.0
201	74.1	68.6	103.0





#19

n-Nitroso-di-n-propylamine

Concen: 43.58 ng

RT: 7.13 min Scan# 441

Delta R.T. -0.02 min

Lab File: BF084759.D

Acq: 2 Feb 2016 21:27

Instrument :

BNA_F

ClientSampleId :

IMPACT-PS-001MSD

Tot Ion: 70 Resp: 381758

Ion Ratio Lower Upper

70 100

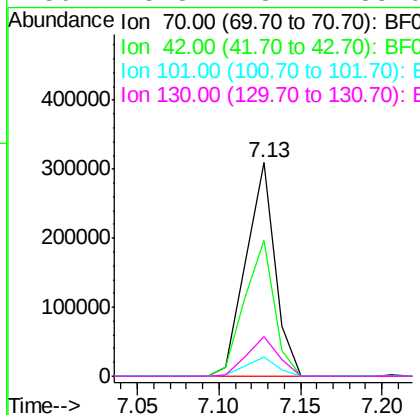
42 63.5 33.3 49.9#

101 8.9 9.3 13.9#

130 18.8 23.4 35.0#

Manual Integrations
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#20

3+4-Methylphenols

Concen: 46.21 ng

RT: 7.13 min Scan# 441

Delta R.T. -0.02 min

Lab File: BF084759.D

Acq: 2 Feb 2016 21:27

Tgt Ion: 107 Resp: 578840

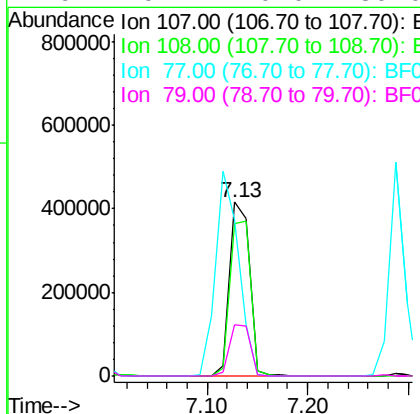
Ion Ratio Lower Upper

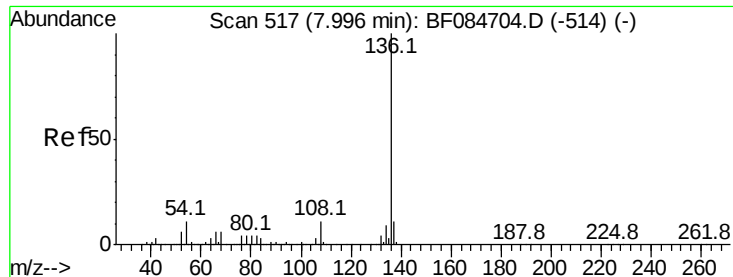
107 100

108 87.3 74.6 114.6

77 90.1 0.7 40.7#

79 29.1 0.0 39.0





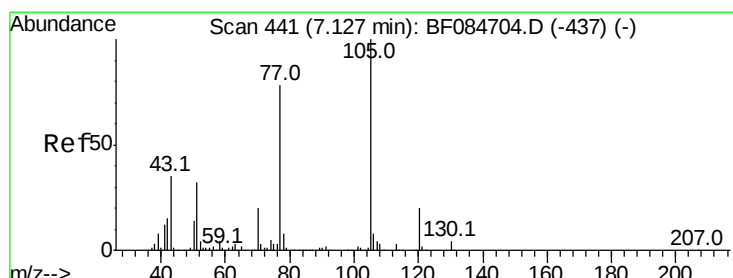
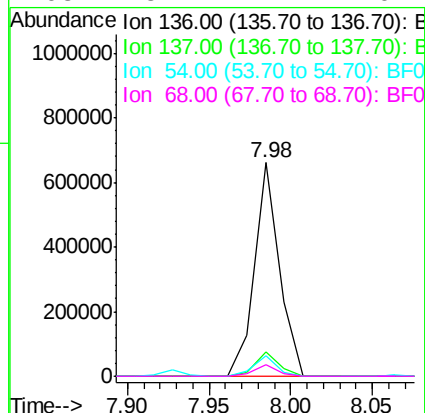
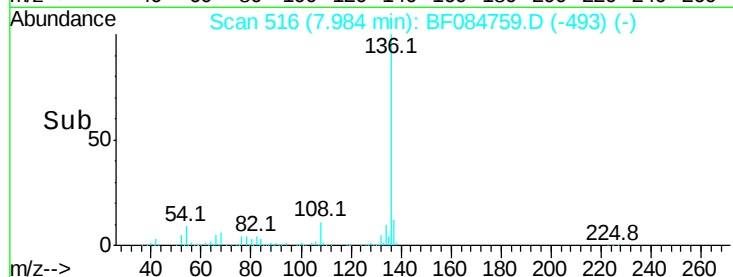
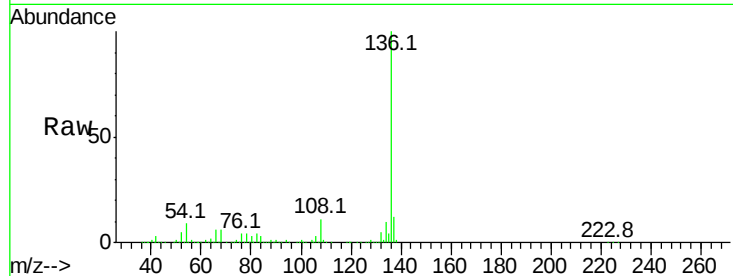
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.98 min Scan# 516
Delta R.T. -0.03 min
Lab File: BF084759.D
Acq: 2 Feb 2016 21:27

Instrument :
BNA_F
ClientSampleId :
IMPACT-PS-001MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	697721		
137	11.5	8.7	13.1	
54	9.3	5.8	8.8	
68	5.7	4.2	6.2	

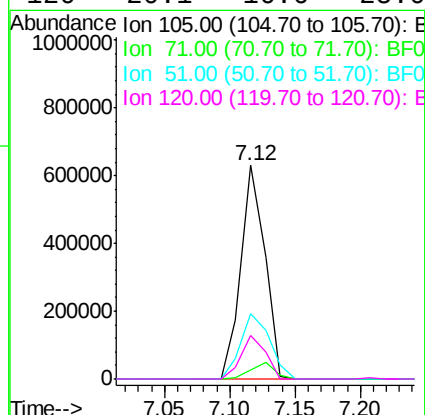
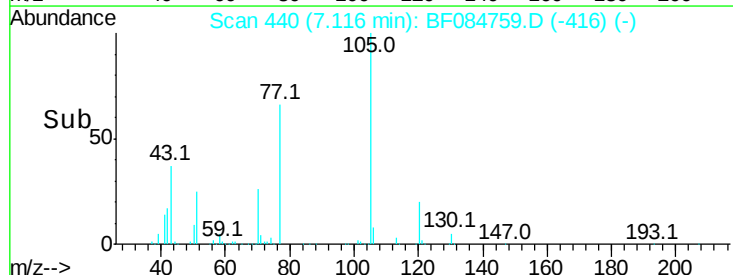
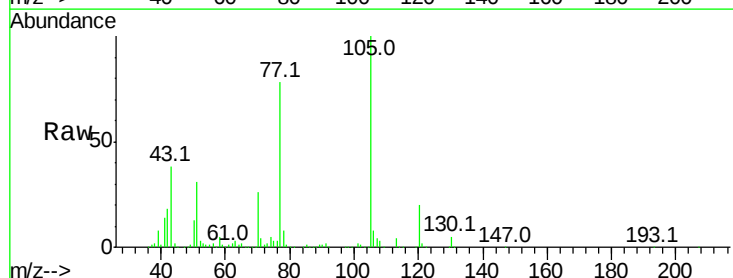
Manual Integrations
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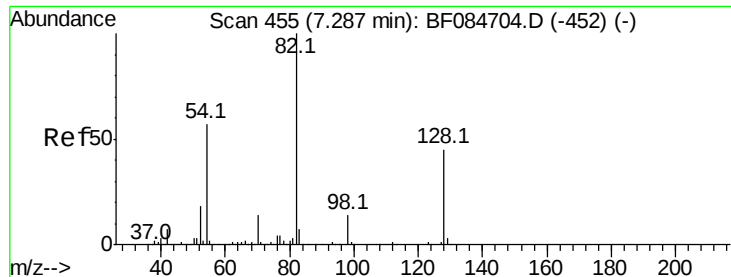
MMDadoda
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#22
Acetophenone
Concen: 43.71 ng
RT: 7.12 min Scan# 440
Delta R.T. -0.02 min
Lab File: BF084759.D
Acq: 2 Feb 2016 21:27

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	803723		
71	4.2	3.7	5.5	
51	30.9	25.1	37.7	
120	20.1	16.6	25.0	





#23

Nitrobenzene-d5

Concen: 99.14 ng

RT: 7.28 min Scan# 454

Delta R.T. -0.02 min

Lab File: BF084759.D

Acq: 2 Feb 2016 21:27

Instrument :

BNA_F

ClientSampleId :

IMPACT-PS-001MSD

Tot Ion: 82 Resp: 1227911

Ion Ratio Lower Upper

82 100

128 44.6 34.6 51.8

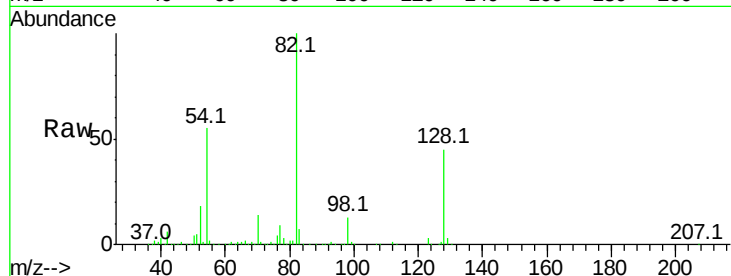
54 55.0 38.4 57.6

Manual Integrations

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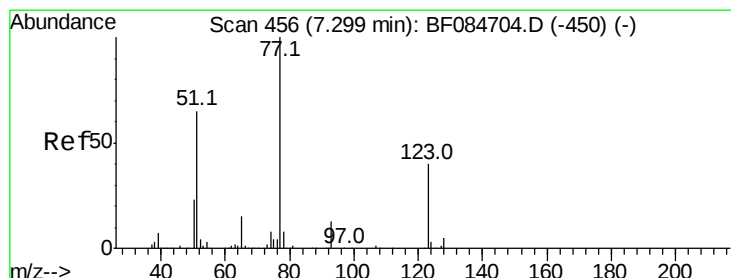
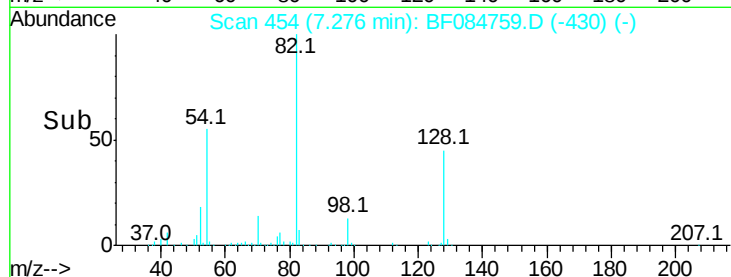
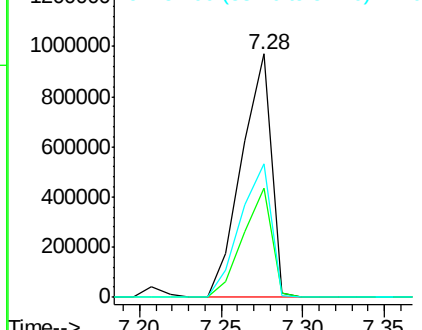
2/3/2016 6:25:38 PM



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): BF0

Ion 54.00 (53.70 to 54.70): BF0



#24

Nitrobenzene

Concen: 40.16 ng

RT: 7.29 min Scan# 455

Delta R.T. -0.02 min

Lab File: BF084759.D

Acq: 2 Feb 2016 21:27

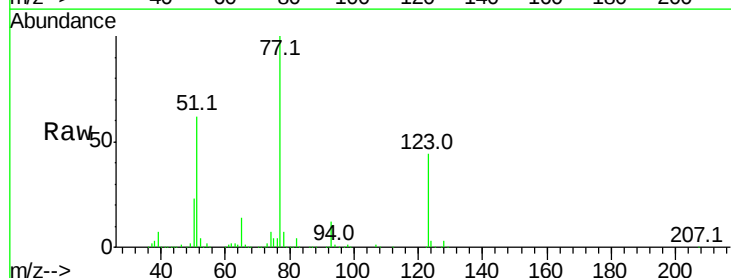
Tgt Ion: 77 Resp: 532613

Ion Ratio Lower Upper

77 100

123 43.6 37.4 56.2

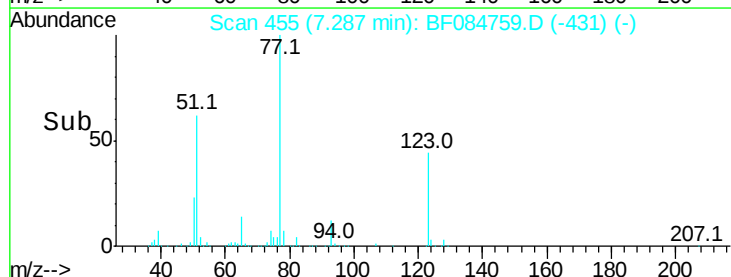
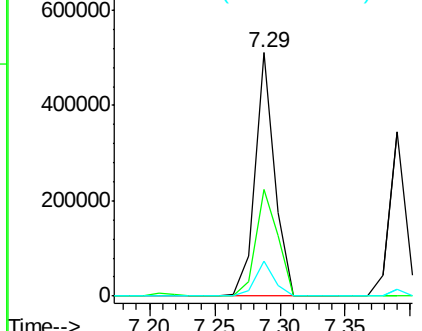
65 14.4 10.9 16.3

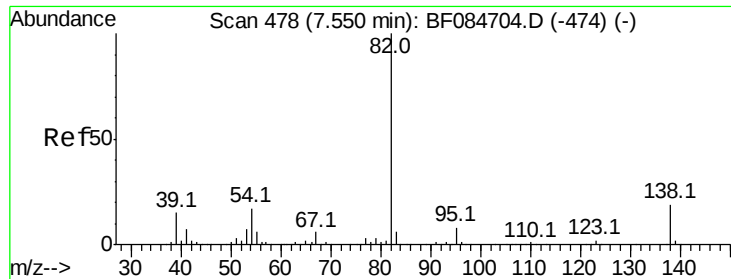


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 123.00 (122.70 to 123.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 45.26 ng

RT: 7.54 min Scan# 477

Delta R.T. -0.02 min

Lab File: BF084759.D

Acq: 2 Feb 2016 21:27

Instrument :

BNA_F

ClientSampleId :

IMPACT-PS-001MSD

Tot Ion: 82 Resp: 1090002

Ion Ratio Lower Upper

82 100

95 7.8 6.6 10.0

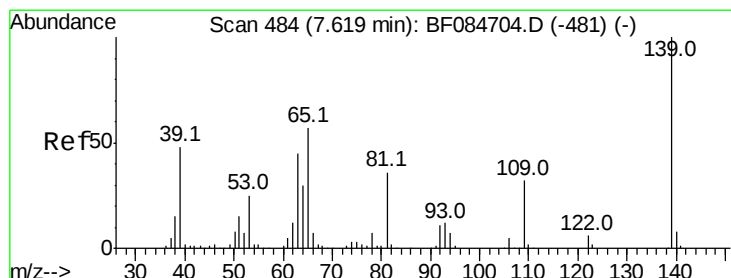
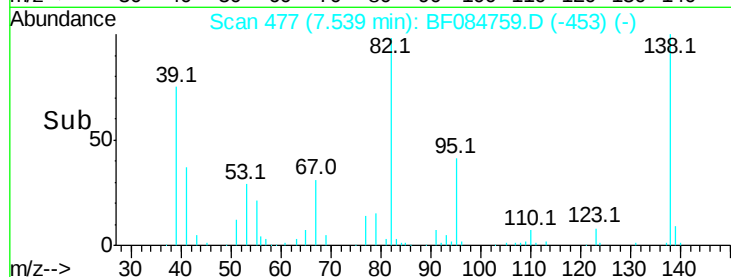
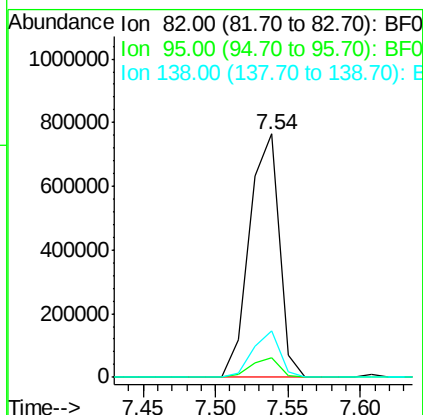
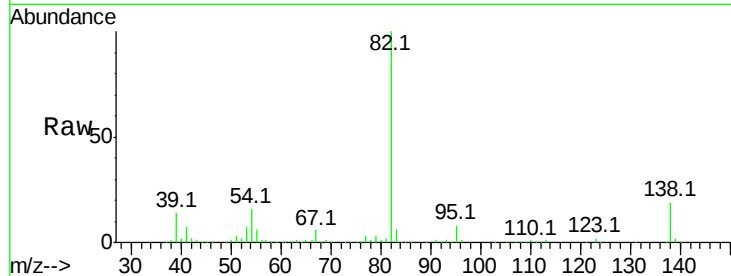
138 18.9 13.6 20.4

Manual Integrations

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#26

2-Nitrophenol

Concen: 47.44 ng

RT: 7.61 min Scan# 483

Delta R.T. -0.02 min

Lab File: BF084759.D

Acq: 2 Feb 2016 21:27

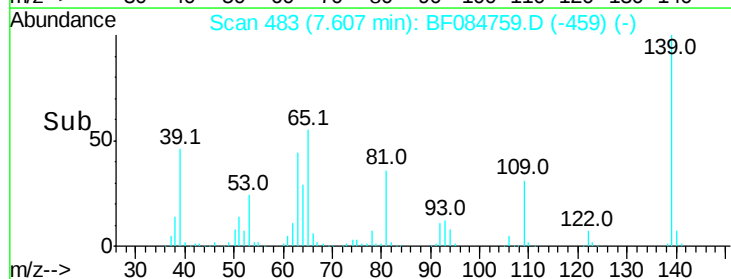
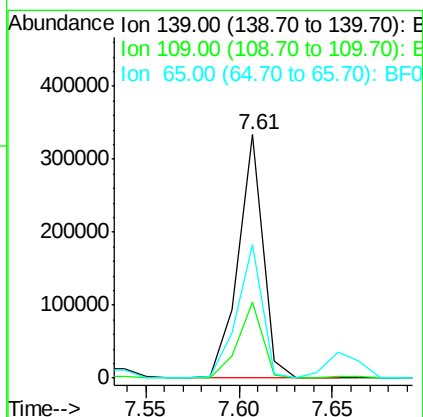
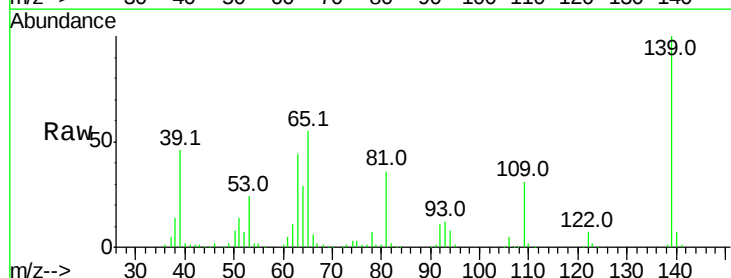
Tgt Ion: 139 Resp: 310339

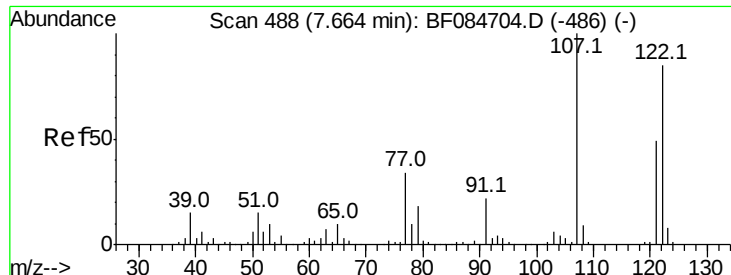
Ion Ratio Lower Upper

139 100

109 31.4 25.4 38.2

65 54.7 32.3 48.5#





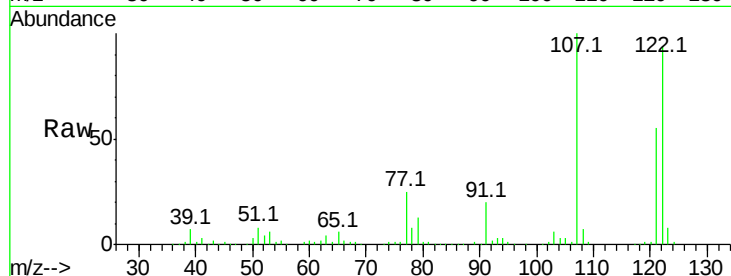
#27
 2,4-Dimethylphenol
 Concen: 43.30 ng
 RT: 7.66 min Scan# 488
 Delta R.T. -0.01 min
 Lab File: BF084759.D
 Acq: 2 Feb 2016 21:27

Instrument :
 BNA_F
 ClientSampleId :
 IMPACT-PS-001MSD

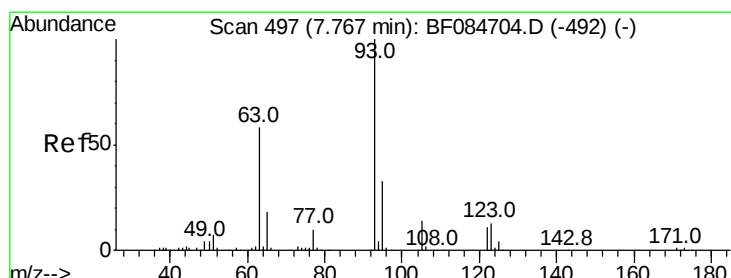
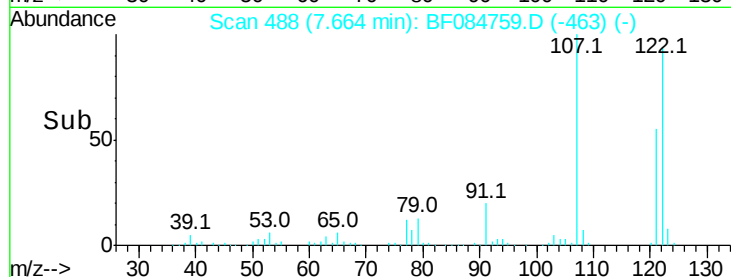
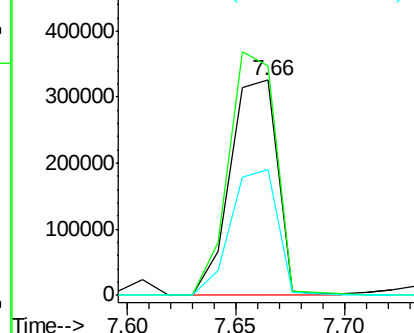
Tot Ion	Ratio	Resp	Lower	Upper
122	100	492729		
107	106.7	99.1	148.7	
121	58.2	47.9	71.9	

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 2/3/2016 6:25:38 PM

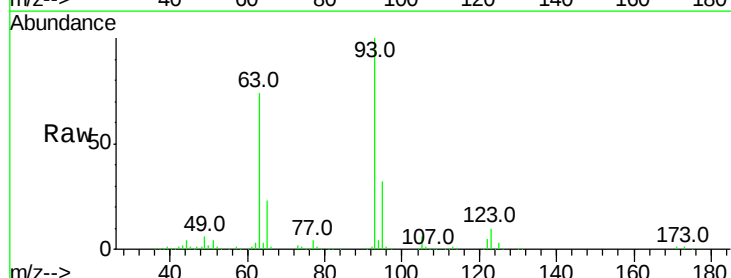


Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E

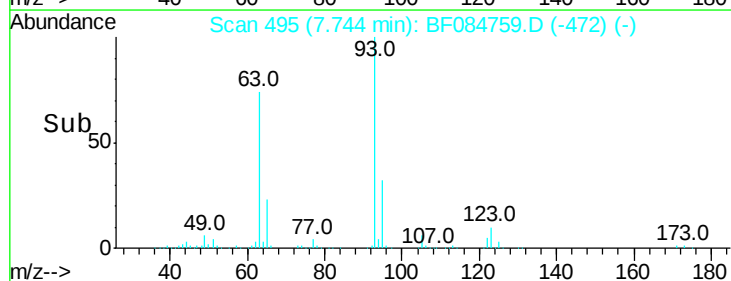
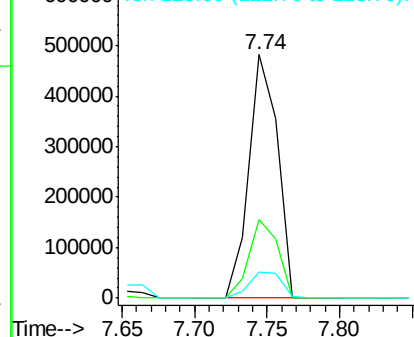


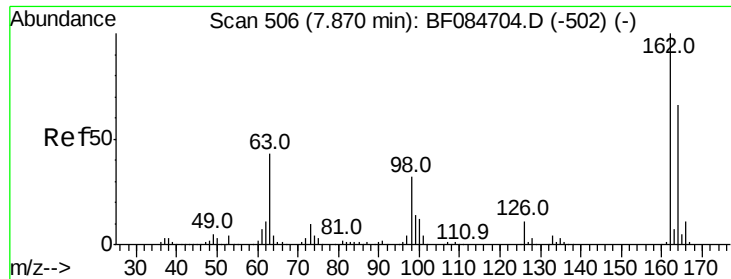
#28
 bis(2-Chloroethoxy)methane
 Concen: 46.06 ng
 RT: 7.74 min Scan# 495
 Delta R.T. -0.03 min
 Lab File: BF084759.D
 Acq: 2 Feb 2016 21:27

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	658119		
95	32.1	25.8	38.6	
123	10.5	8.6	12.8	



Abundance Ion 93.00 (92.70 to 93.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 123.00 (122.70 to 123.70): E





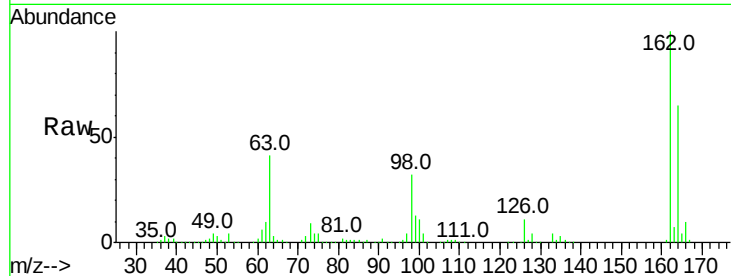
#29
 2,4-Dichlorophenol
 Concen: 49.92 ng
 RT: 7.86 min Scan# 505
 Delta R.T. -0.02 min
 Lab File: BF084759.D
 Acq: 2 Feb 2016 21:27

Instrument :
 BNA_F
 ClientSampleId :
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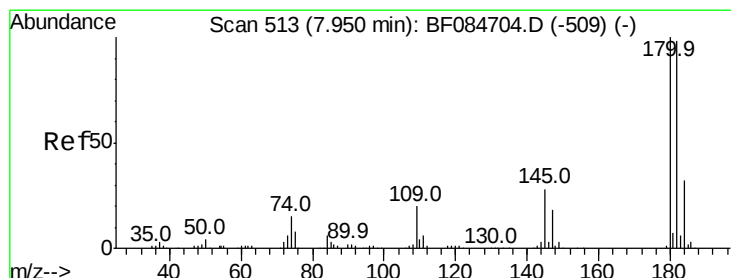
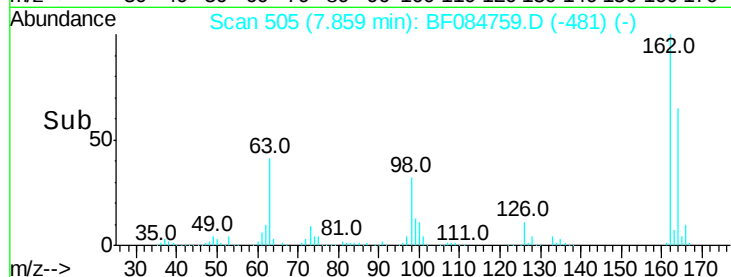
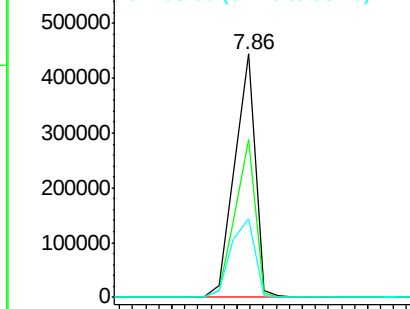
Tot Ion	Ratio	Resp Lower	Resp Upper
162	100		
164	64.9	44.1	84.1
98	32.5	20.2	60.2

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 2/3/2016 6:25:38 PM

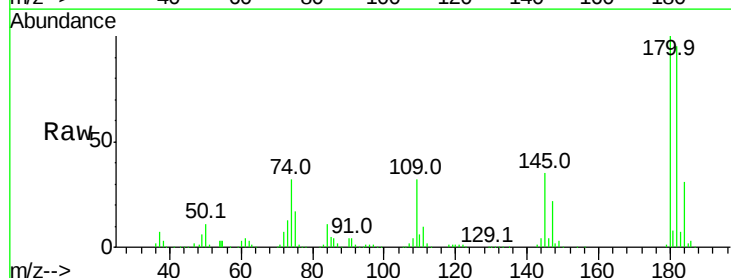


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

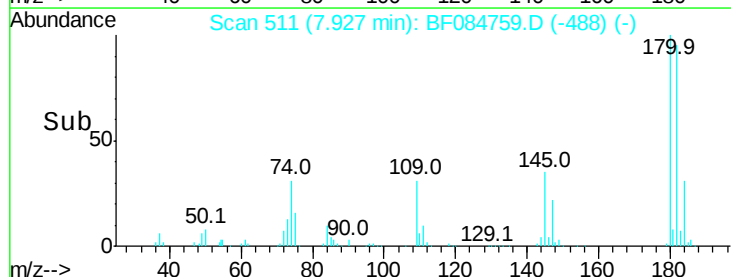
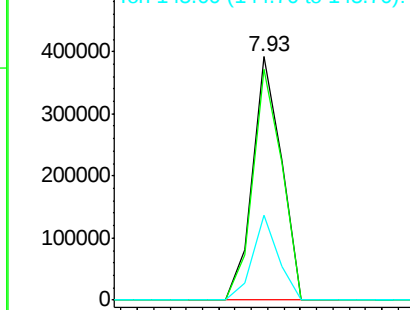


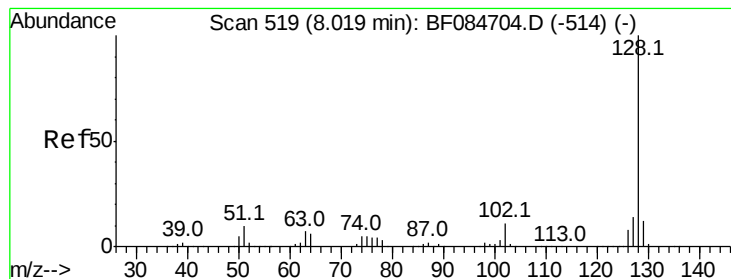
#30
 1,2,4-Trichlorobenzene
 Concen: 43.62 ng
 RT: 7.93 min Scan# 511
 Delta R.T. -0.03 min
 Lab File: BF084759.D
 Acq: 2 Feb 2016 21:27

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	94.6	76.4	114.6
145	34.9	31.6	47.4



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 42.70 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.02 min

Lab File: BF084759.D

Acq: 2 Feb 2016 21:27

Instrument :

BNA_F

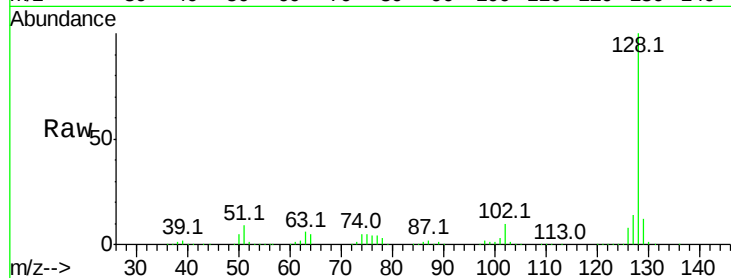
ClientSampleId :

IMPACT-PS-001MSD

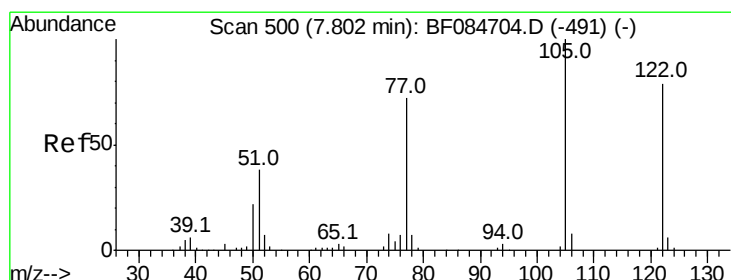
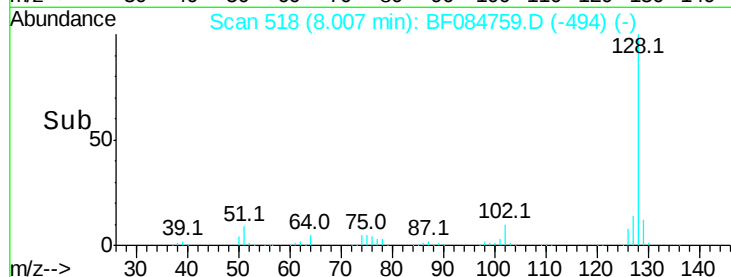
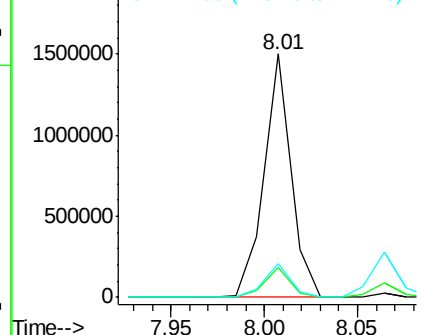
Tot Ion:	128	Resp:	1494397
Ion	Ratio	Lower	Upper
128	100		
129	12.0	9.1	13.7
127	14.1	11.1	16.7

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2/3/2016 6:25:38 PM



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 14.69 ng

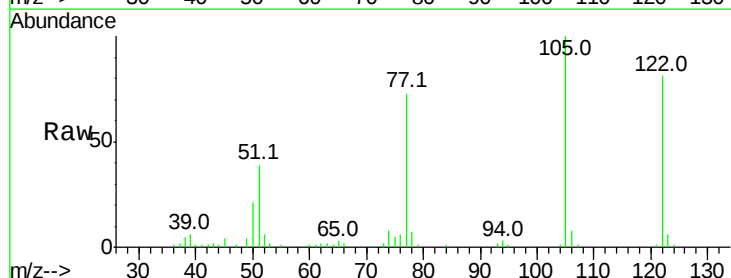
RT: 7.77 min Scan# 497

Delta R.T. -0.05 min

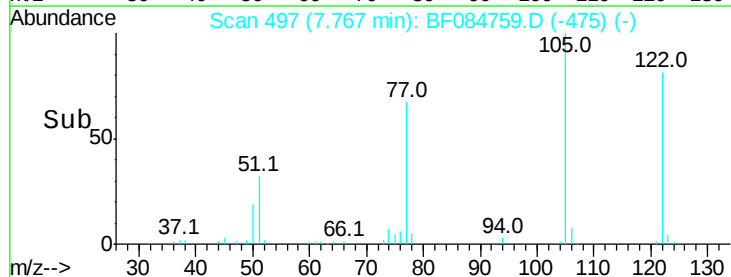
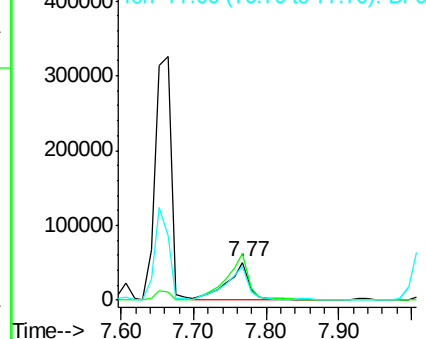
Lab File: BF084759.D

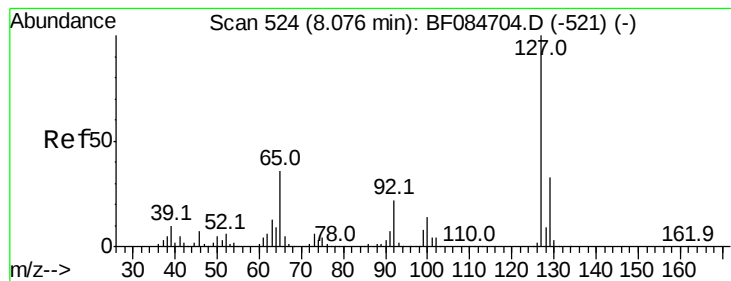
Acq: 2 Feb 2016 21:27

Tgt Ion:	122	Resp:	106926
Ion	Ratio	Lower	Upper
122	100		
105	123.2	100.3	140.3
77	90.2	63.5	103.5



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0





#33

4-Chloroaniline

Concen: 20.97 ng

RT: 8.06 min Scan# 523

Delta R.T. -0.02 min

Lab File: BF084759.D

Acq: 2 Feb 2016 21:27

Instrument :

BNA_F

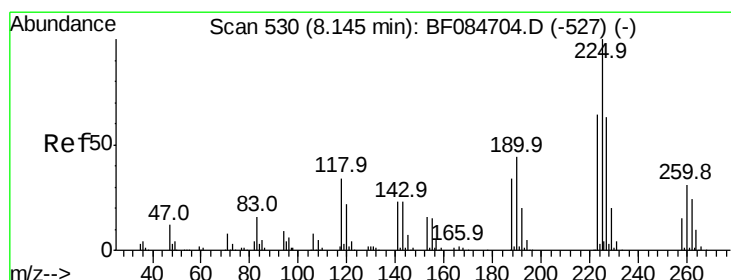
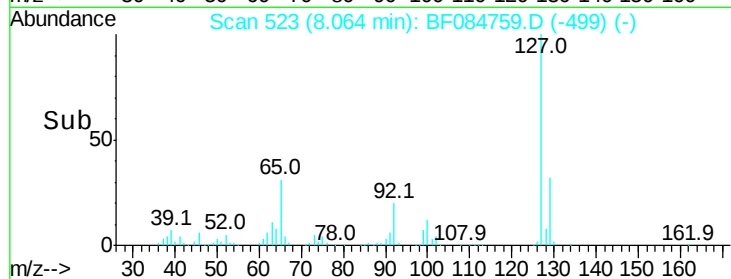
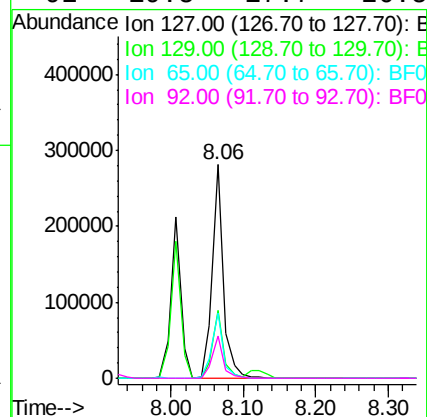
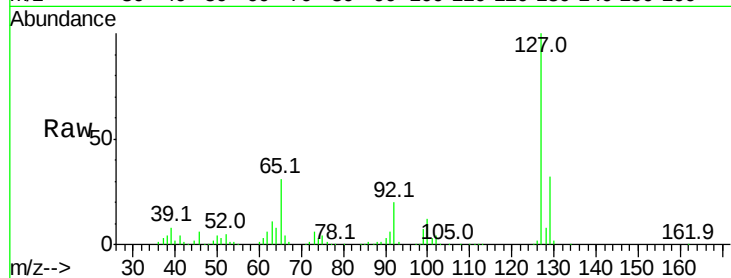
ClientSampleId :

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	31.9	26.5	39.7		
65	30.7	27.2	40.8		
92	19.5	17.7	26.5		

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2/3/2016 6:25:38 PM



#34

Hexachlorobutadiene

Concen: 44.65 ng

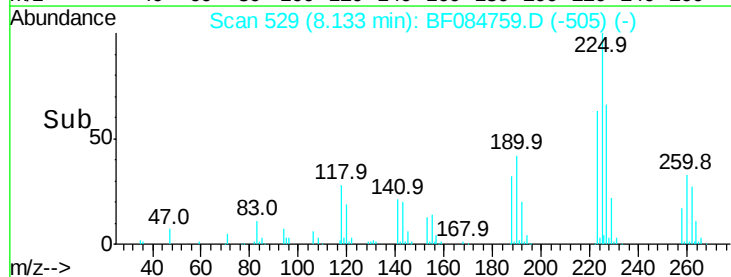
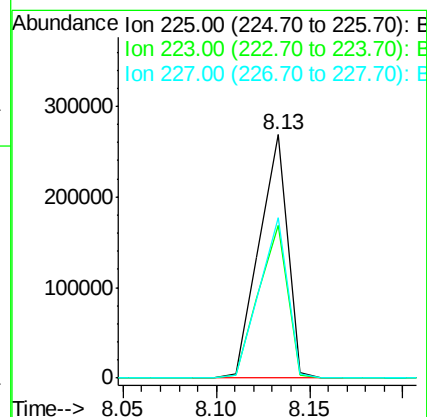
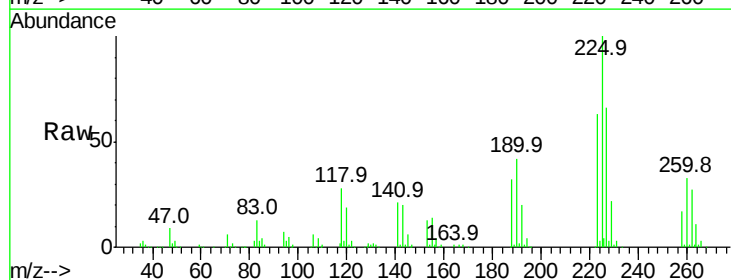
RT: 8.13 min Scan# 529

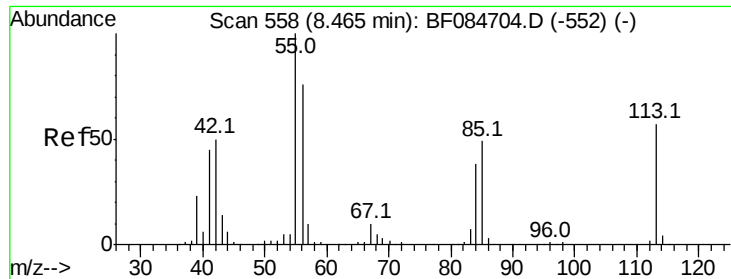
Delta R.T. -0.02 min

Lab File: BF084759.D

Acq: 2 Feb 2016 21:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	62.7	49.4	74.0		
227	65.8	50.8	76.2		





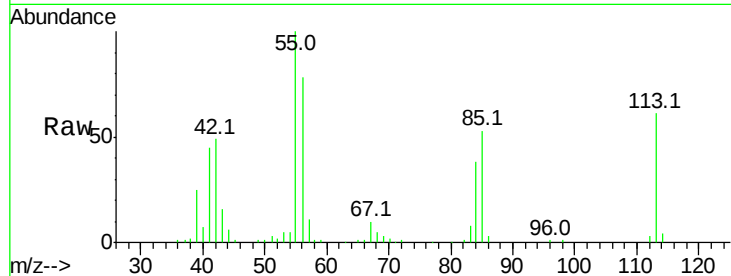
#35
Caprolactam
Concen: 51.65 ng/ml
RT: 8.45 min Scan# 557
Delta R.T. -0.01 min
Lab File: BF084759.D
Acq: 2 Feb 2016 21:27

Instrument :
BNA_F
ClientSampleId :
IMPACT-PS-001MSD

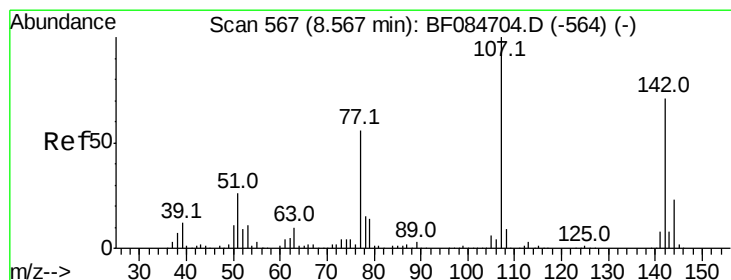
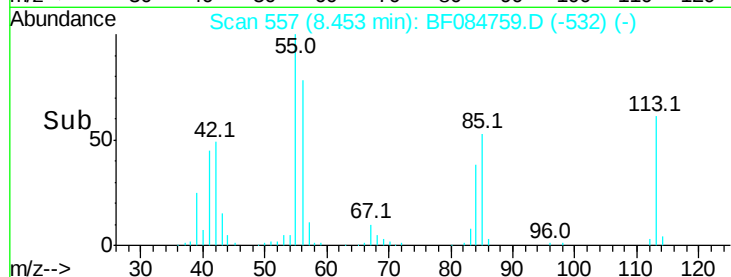
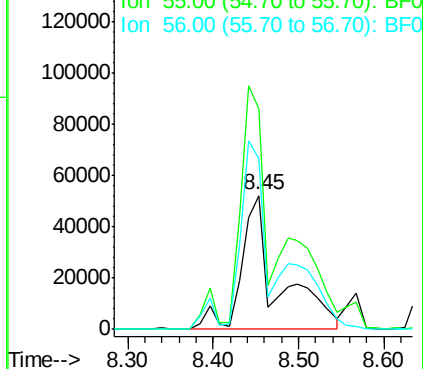
Tot Ion:113 Resp: 154976
Ion Ratio Lower Upper
113 100
55 164.5 116.9 156.9#
56 127.5 93.8 133.8

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2/3/2016 6:25:38 PM

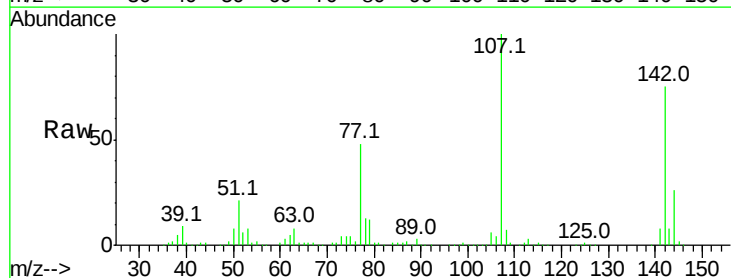


Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF0
Ion 56.00 (55.70 to 56.70): BF0

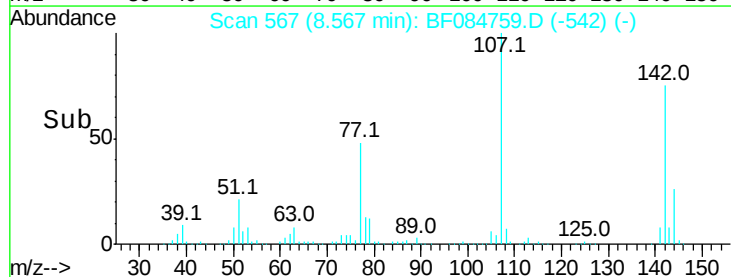
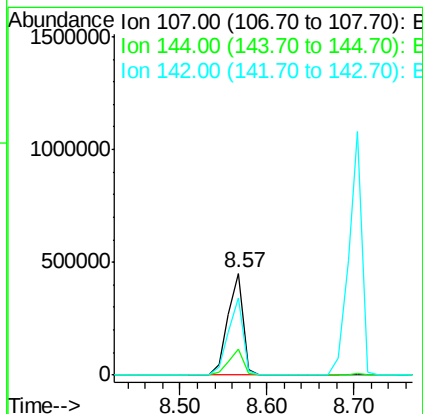


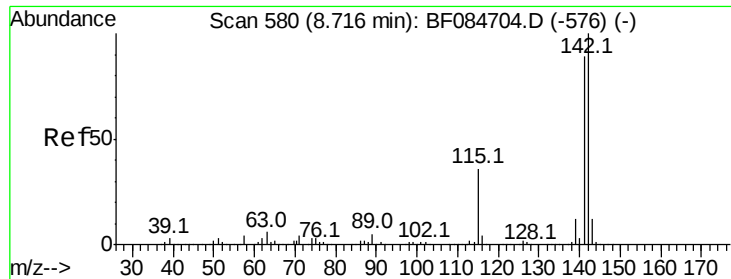
#36
4-Chloro-3-methylphenol
Concen: 49.74 ng/ml
RT: 8.57 min Scan# 567
Delta R.T. -0.01 min
Lab File: BF084759.D
Acq: 2 Feb 2016 21:27

Tgt Ion:107 Resp: 552387
Ion Ratio Lower Upper
107 100
144 25.7 19.7 29.5
142 75.4 61.8 92.6



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 144.00 (143.70 to 144.70): E
Ion 142.00 (141.70 to 142.70): E





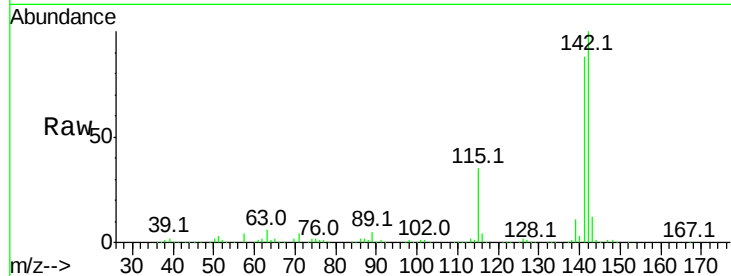
#37
2-Methylnaphthalene
Concen: 52.40 ng
RT: 8.70 min Scan# 579
Delta R.T. -0.02 min
Lab File: BF084759.D
Acq: 2 Feb 2016 21:27

Instrument :
BNA_F
ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
142	100		
141	88.0	72.4	108.6
115	35.3	27.9	41.9

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2/3/2016 6:25:38 PM

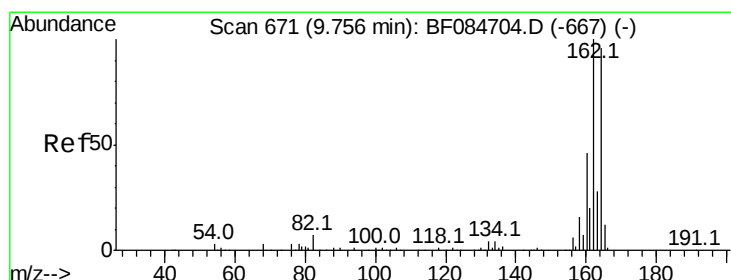
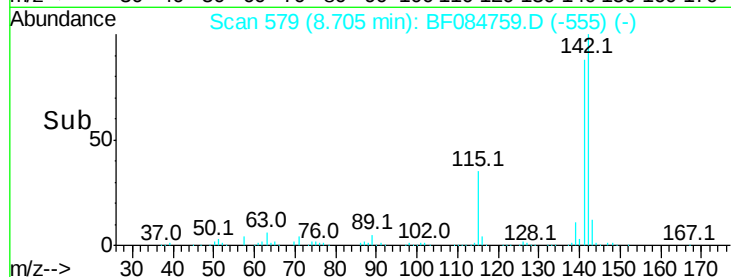
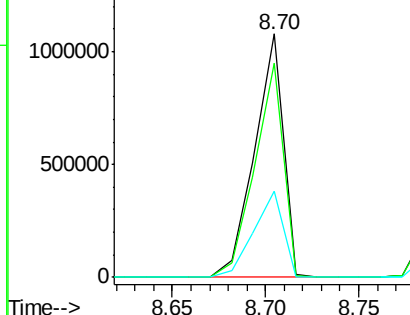


Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.74 min Scan# 670
Delta R.T. -0.02 min
Lab File: BF084759.D
Acq: 2 Feb 2016 21:27

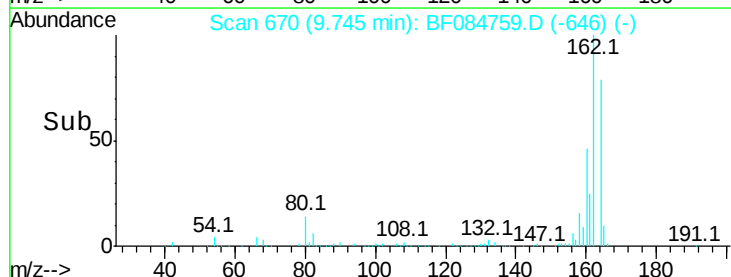
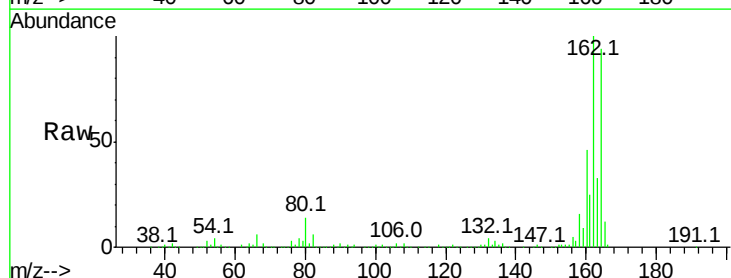
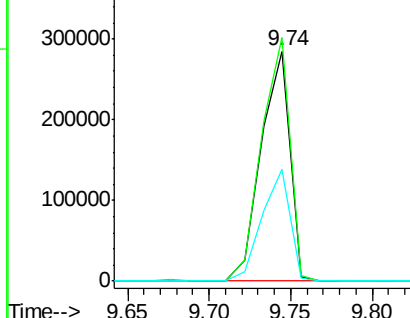
Tgt Ion	Ratio	Lower	Upper
164	100		
162	106.1	85.1	127.7
160	48.5	37.5	56.3

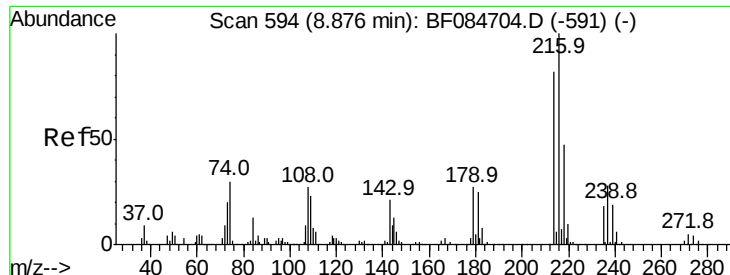
Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 37.89 ng

RT: 8.86 min Scan# 593

Delta R.T. -0.03 min

Lab File: BF084759.D

Acq: 2 Feb 2016 21:27

Instrument :

BNA_F

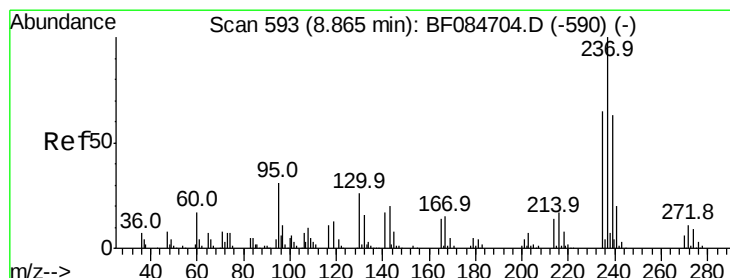
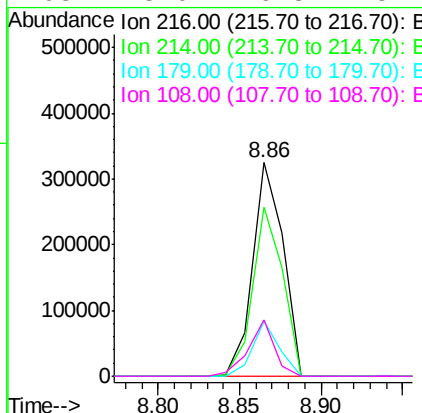
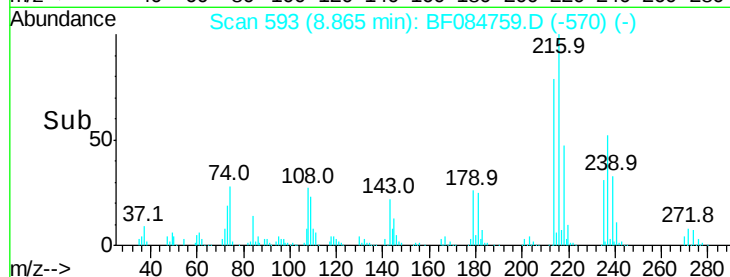
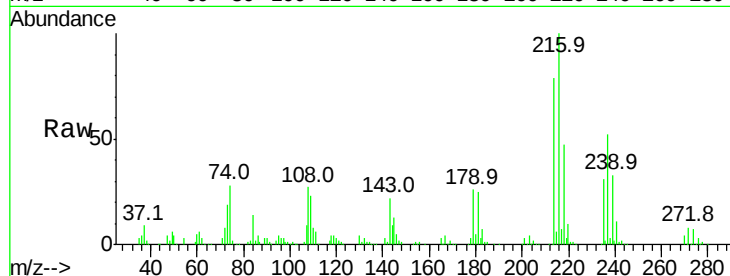
ClientSampleId :

IMPACT-PS-001MSD

Tot Ion:	216	Resp:	419046
Ion Ratio		Lower	Upper
216	100		
214	78.1	64.2	96.2
179	22.6	18.7	28.1
108	23.0	16.8	25.2

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2/3/2016 6:25:38 PM



#40

Hexachlorocyclopentadiene

Concen: 84.96 ng

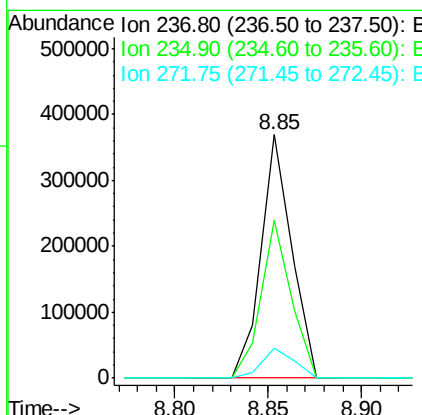
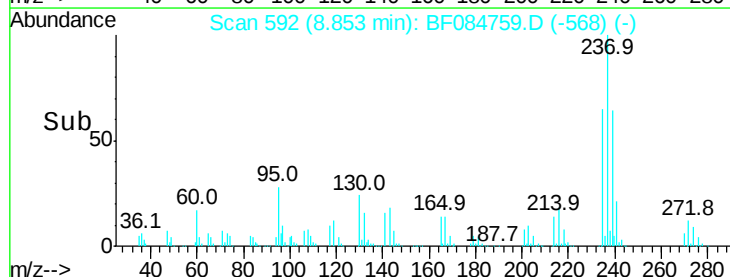
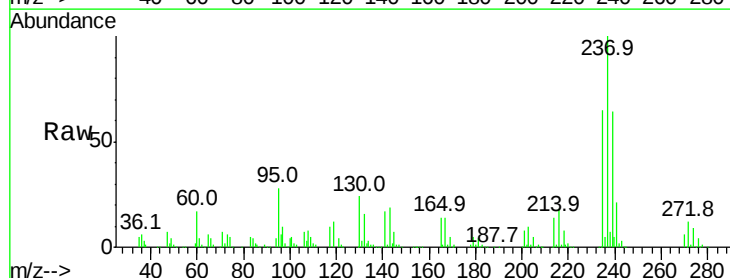
RT: 8.85 min Scan# 592

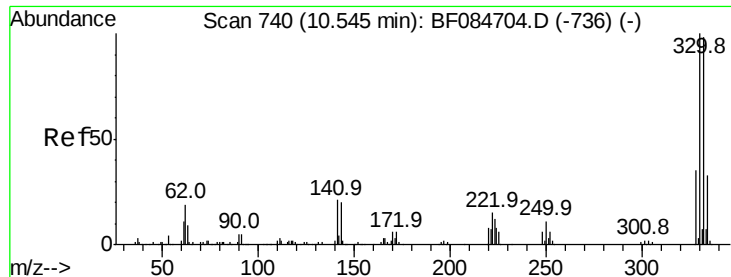
Delta R.T. -0.02 min

Lab File: BF084759.D

Acq: 2 Feb 2016 21:27

Tgt Ion:	237	Resp:	425281
Ion Ratio		Lower	Upper
237	100		
235	64.6	43.1	83.1
272	12.4	0.0	35.1





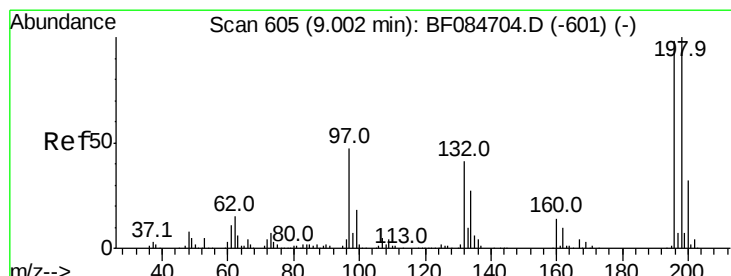
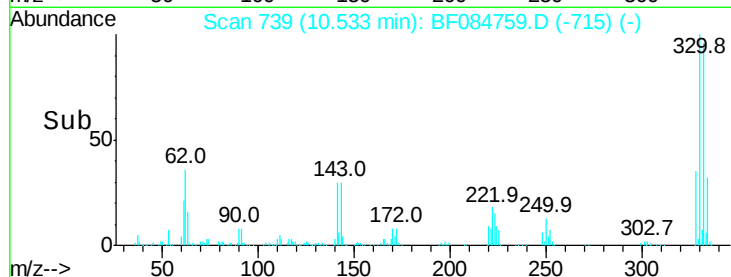
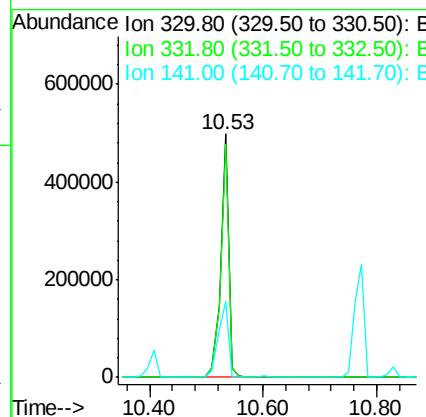
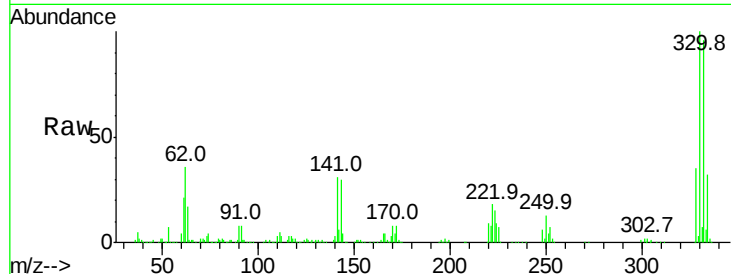
#41
 2,4,6-Tribromophenol
 Concen: 131.95 ng
 RT: 10.53 min Scan# 739
 Delta R.T. -0.02 min
 Lab File: BF084759.D
 Acq: 2 Feb 2016 21:27

Instrument :
 BNA_F
 ClientSampleId :
 IMPACT-PS-001MSD

Tot Ion	Ratio	Resp	Lower	Upper
330	100	479280		
332	96.3	76.6	114.8	
141	39.2	27.8	41.6	

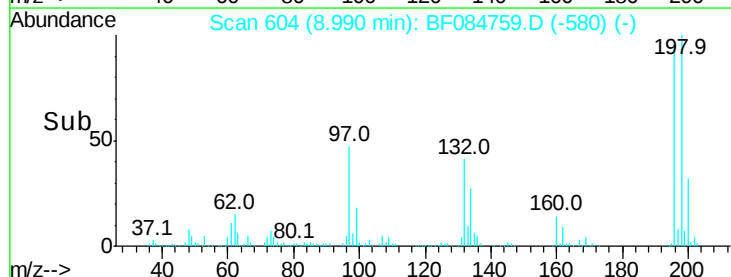
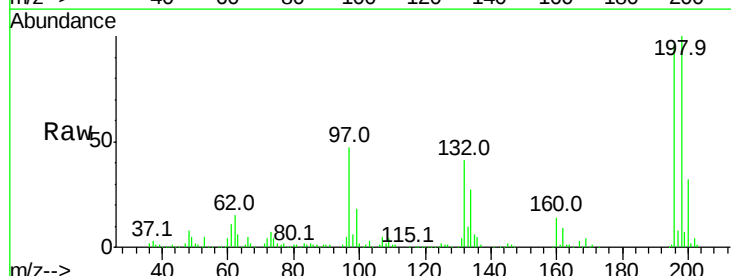
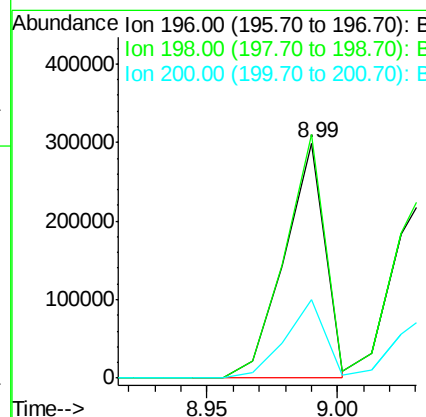
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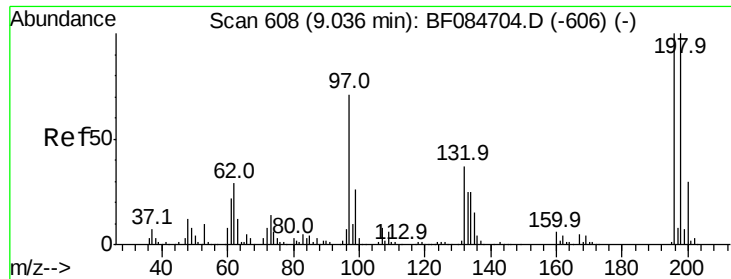
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#42
 2,4,6-Trichlorophenol
 Concen: 45.39 ng
 RT: 8.99 min Scan# 604
 Delta R.T. -0.02 min
 Lab File: BF084759.D
 Acq: 2 Feb 2016 21:27

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	323430		
198	103.7	77.7	116.5	
200	33.7	24.6	37.0	





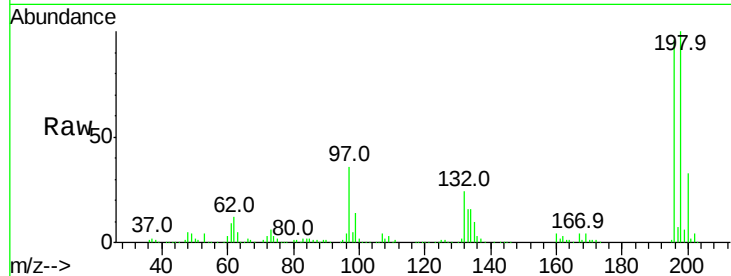
#43
 2,4,5-Trichlorophenol
 Concen: 45.64 ng
 RT: 9.04 min Scan# 608
 Delta R.T. -0.01 min
 Lab File: BF084759.D
 Acq: 2 Feb 2016 21:27

Instrument :
 BNA_F
 ClientSampleId :
 IMPACT-PS-001MSD

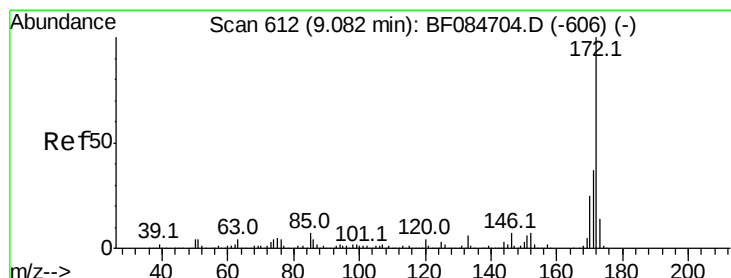
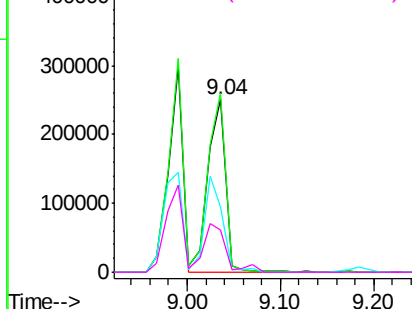
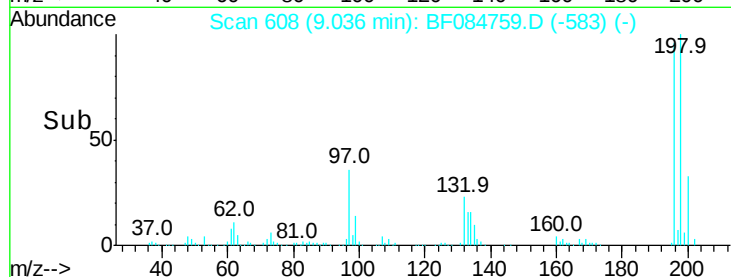
Tot Ion	196	Resp	330415
Ion Ratio	Lower	Upper	
196	100		
198	104.1	79.0	118.6
97	37.6	33.0	49.6
132	24.6	21.1	31.7

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 2/3/2016 6:25:38 PM

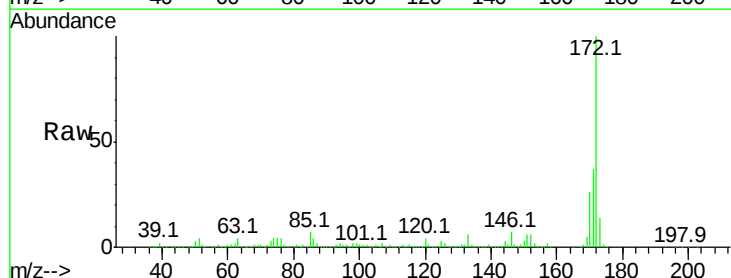


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

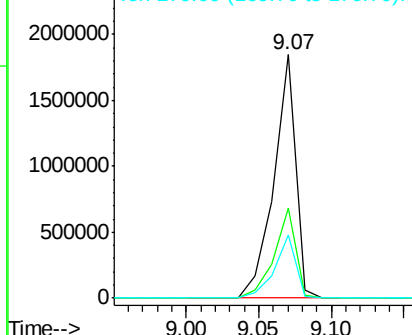
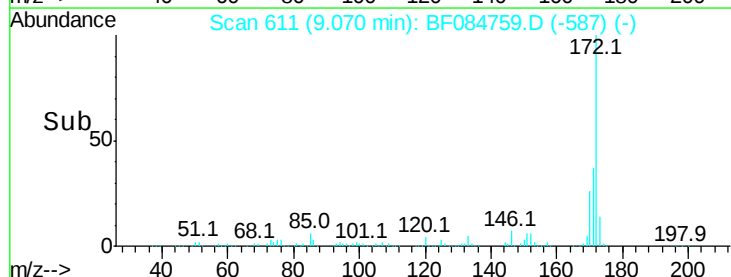


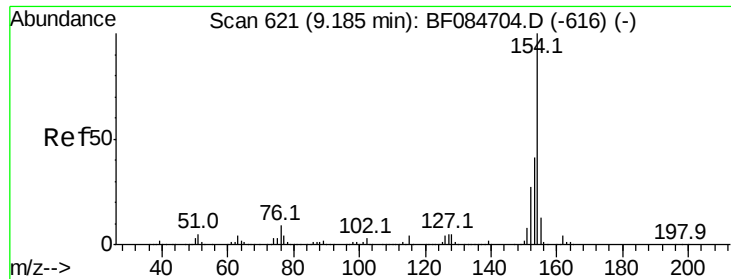
#44
 2-Fluorobiphenyl
 Concen: 98.67 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.02 min
 Lab File: BF084759.D
 Acq: 2 Feb 2016 21:27

Tgt Ion	172	Resp	1930337
Ion Ratio	Lower	Upper	
172	100		
171	36.9	28.9	43.3
170	25.8	18.6	27.8



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 41.29 ng

RT: 9.17 min Scan# 620

Delta R.T. -0.02 min

Lab File: BF084759.D

Acq: 2 Feb 2016 21:27

Instrument :

BNA_F

ClientSampleId :

IMPACT-PS-001MSD

Tot Ion:154 Resp: 1284194

Ion Ratio Lower Upper

154 100

153 39.7 21.6 61.6

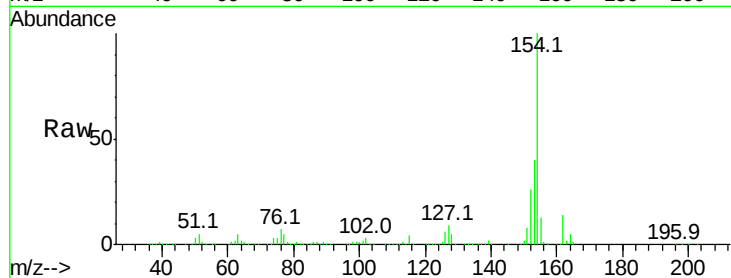
76 7.2 0.0 32.7

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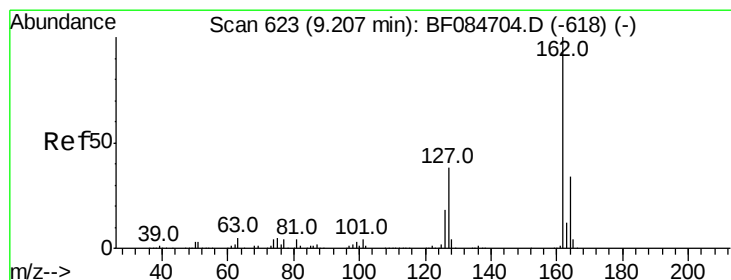
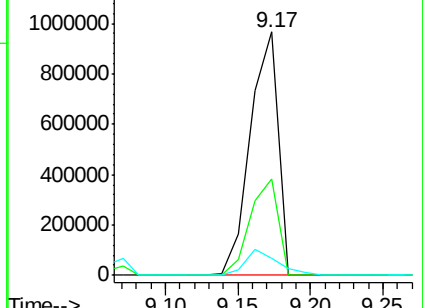
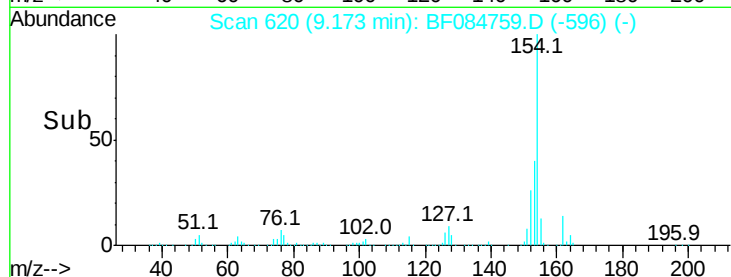
2/3/2016 6:25:38 PM



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 41.44 ng

RT: 9.18 min Scan# 621

Delta R.T. -0.03 min

Lab File: BF084759.D

Acq: 2 Feb 2016 21:27

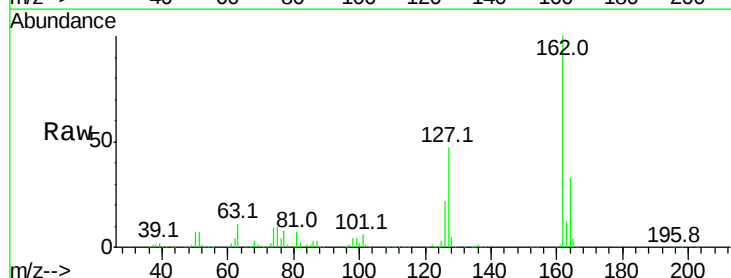
Tgt Ion:162 Resp: 949227

Ion Ratio Lower Upper

162 100

127 47.4 40.2 60.4

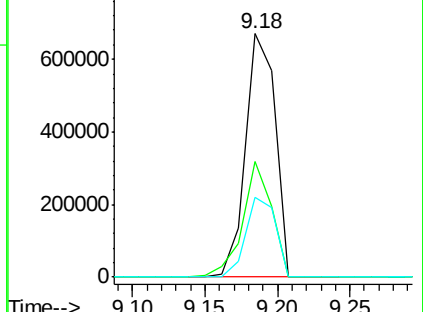
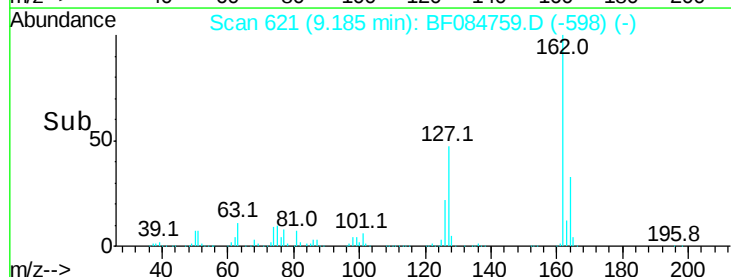
164 32.9 25.7 38.5

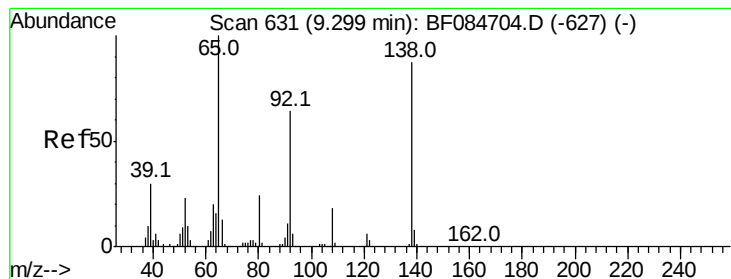


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 41.74 ng

RT: 9.29 min Scan# 630

Delta R.T. -0.02 min

Lab File: BF084759.D

Acq: 2 Feb 2016 21:27

Instrument :

BNA_F

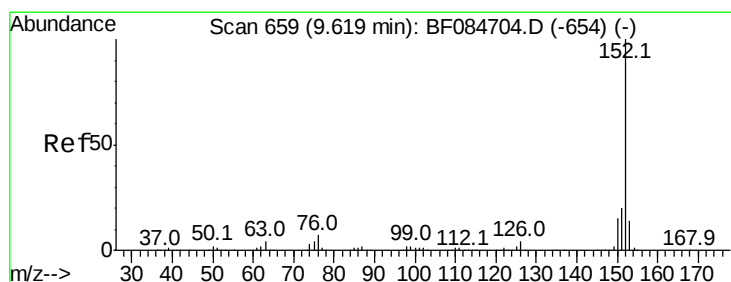
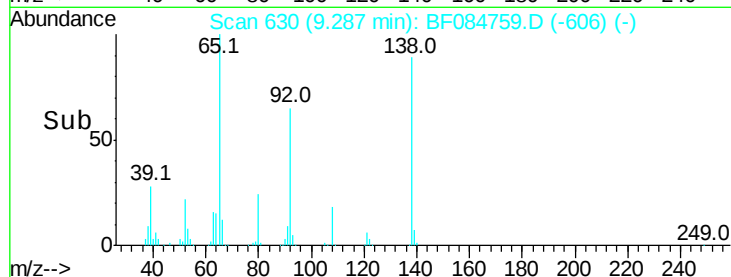
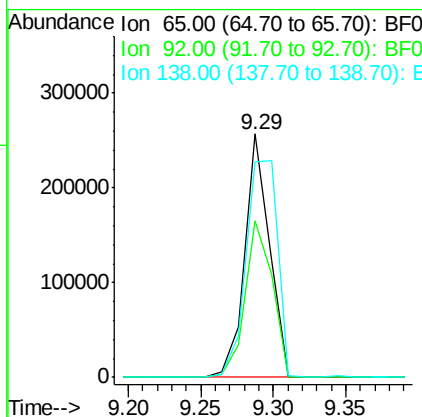
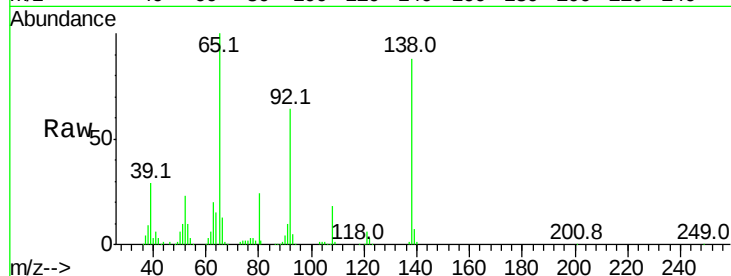
ClientSampleId :

IMPACT-PS-001MSD

Tot Ion:	65	Resp:	302718
Ion Ratio	Lower	Upper	
65	100		
92	64.2	53.4	80.2
138	88.3	71.1	106.7

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2/3/2016 6:25:38 PM



#48

Acenaphthylene

Concen: 43.97 ng

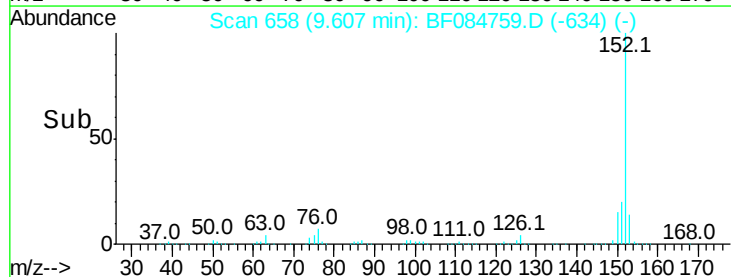
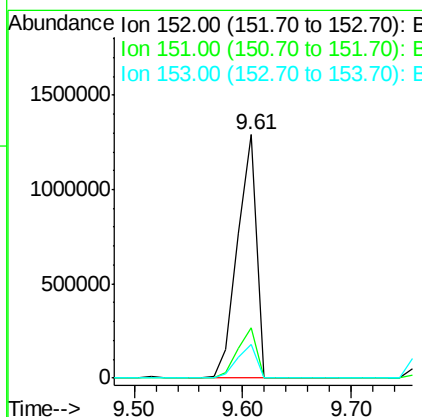
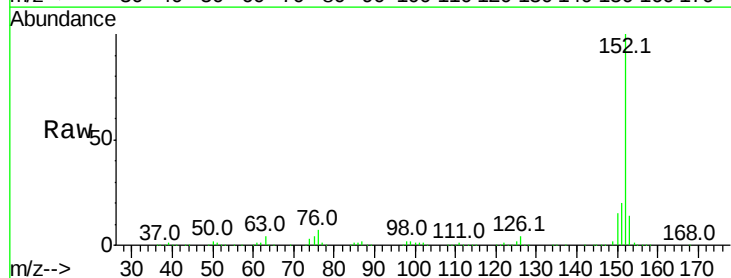
RT: 9.61 min Scan# 658

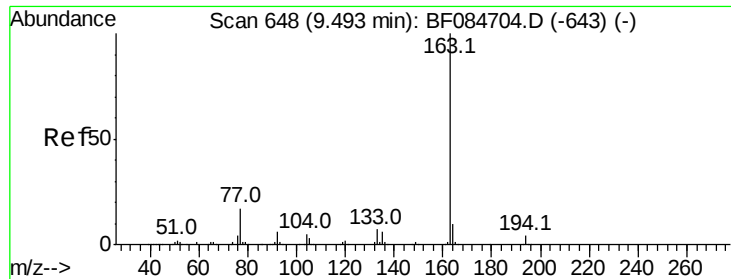
Delta R.T. -0.02 min

Lab File: BF084759.D

Acq: 2 Feb 2016 21:27

Tgt Ion:	152	Resp:	1528454
Ion Ratio	Lower	Upper	
152	100		
151	20.5	16.3	24.5
153	13.9	10.4	15.6





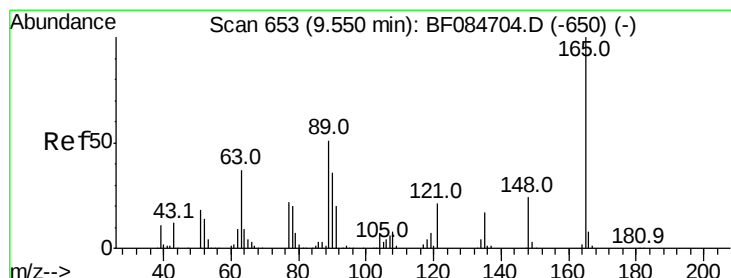
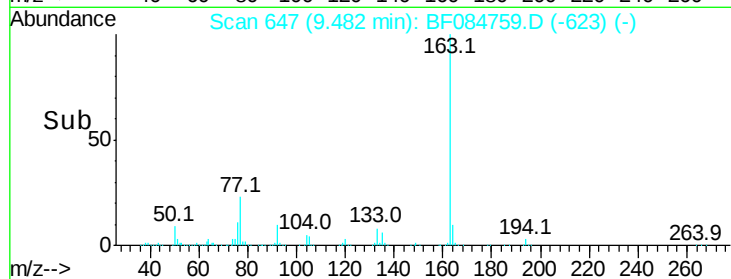
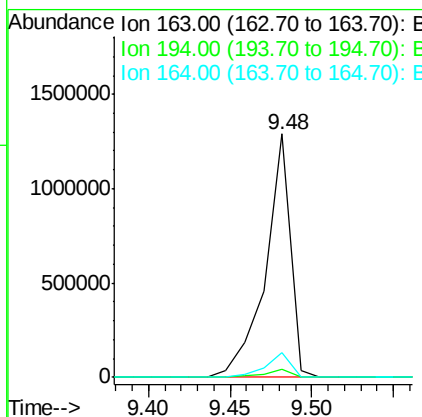
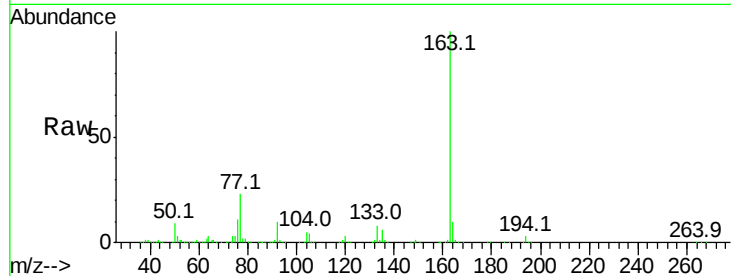
#49
Dimethylphthalate
Concen: 52.00 ng
RT: 9.48 min Scan# 647
Delta R.T. -0.02 min
Lab File: BF084759.D
Acq: 2 Feb 2016 21:27

Instrument :
BNA_F
ClientSampleId :
IMPACT-PS-001MSD

Tot Ion:163 Resp: 1379053
Ion Ratio Lower Upper
163 100
194 3.4 8.0 12.0#
164 10.3 8.0 12.0

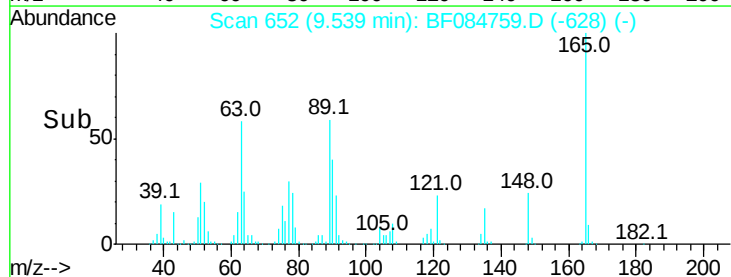
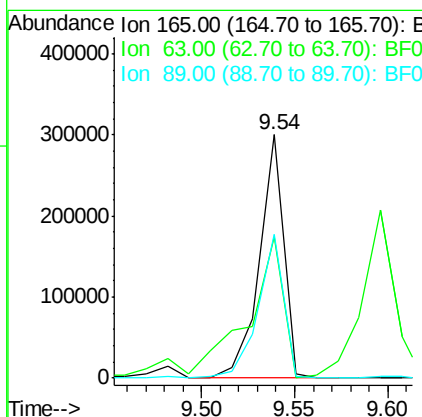
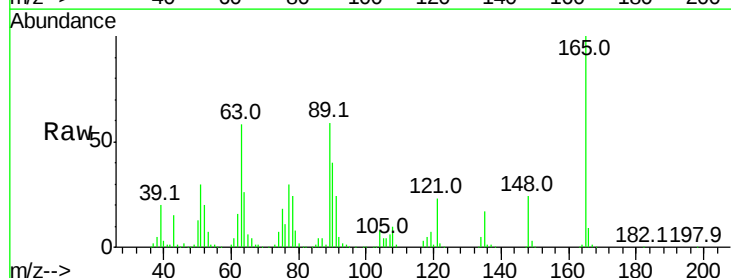
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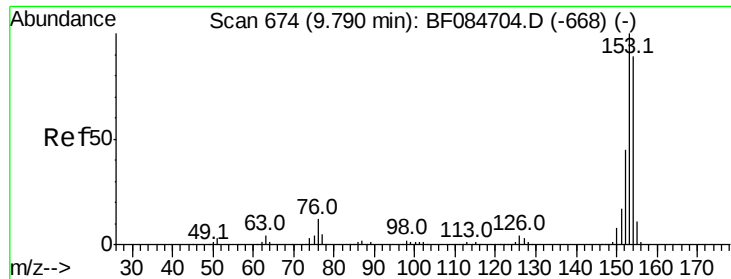
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2/3/2016 6:25:38 PM



#50
2,6-Dinitrotoluene
Concen: 46.56 ng
RT: 9.54 min Scan# 652
Delta R.T. -0.02 min
Lab File: BF084759.D
Acq: 2 Feb 2016 21:27

Tgt Ion:165 Resp: 269748
Ion Ratio Lower Upper
165 100
63 58.1 28.8 43.2#
89 59.0 35.1 52.7#





#51

Acenaphthene

Concen: 43.64 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.02 min

Lab File: BF084759.D

Acq: 2 Feb 2016 21:27

Instrument :

BNA_F

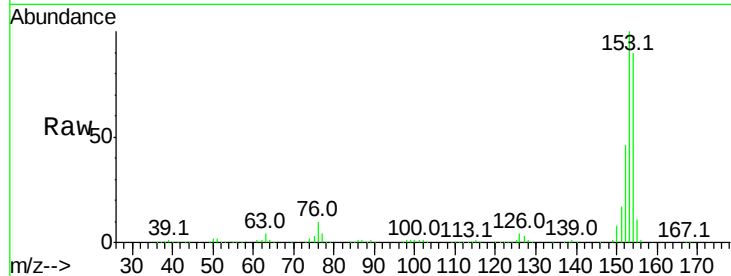
ClientSampleId :

IMPACT-PS-001MSD

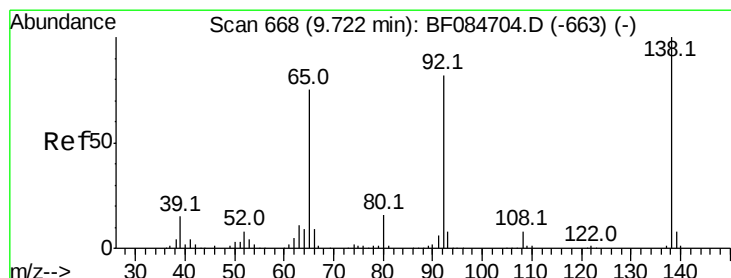
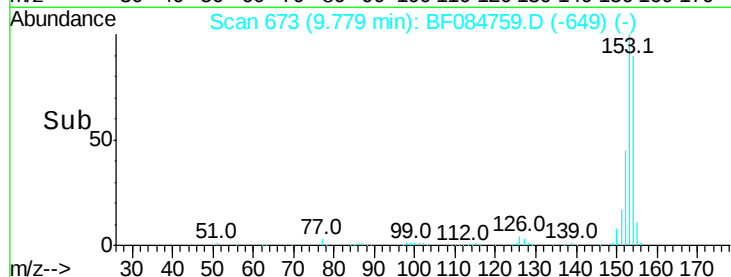
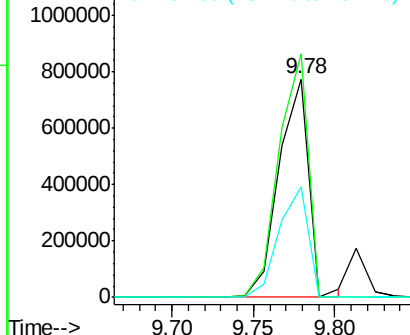
Tot Ion:	154	Resp:	986813
Ion Ratio	Lower	Upper	
154	100		
153	111.6	91.5	137.3
152	50.9	43.0	64.6

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2/3/2016 6:25:38 PM



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 25.48 ng

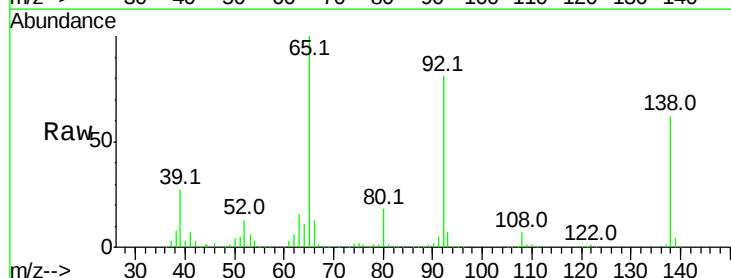
RT: 9.70 min Scan# 666

Delta R.T. -0.02 min

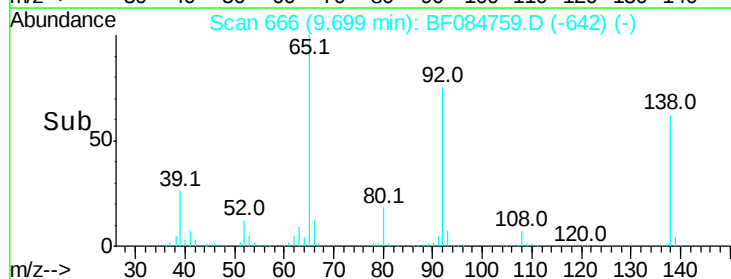
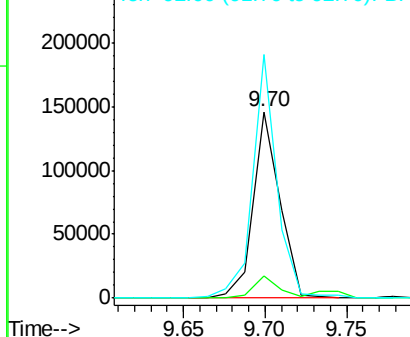
Lab File: BF084759.D

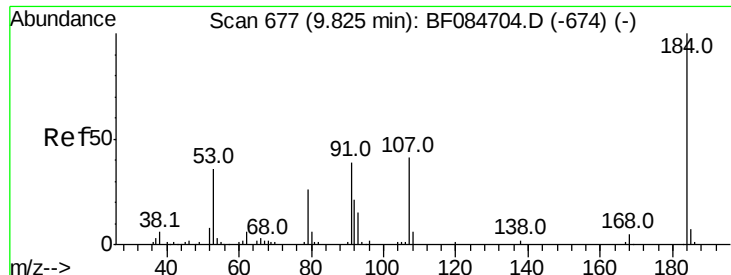
Acq: 2 Feb 2016 21:27

Tgt Ion:	138	Resp:	165902
Ion Ratio	Lower	Upper	
138	100		
108	11.7	10.5	15.7
92	130.6	103.9	155.9



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 92.00 (91.70 to 92.70): BF0





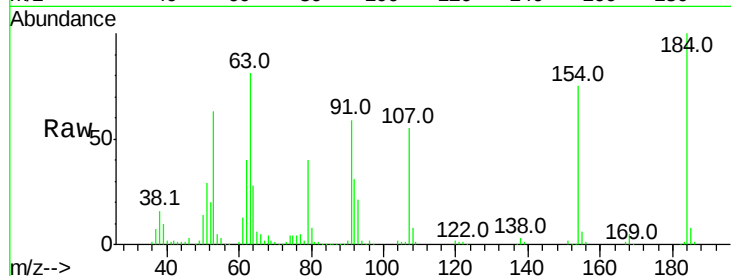
#53
 2,4-Dinitrophenol
 Concen: 82.18 ng
 RT: 9.81 min Scan# 676
 Delta R.T. -0.01 min
 Lab File: BF084759.D
 Acq: 2 Feb 2016 21:27

Instrument :
 BNA_F
 ClientSampleId :
 IMPACT-PS-001MSD

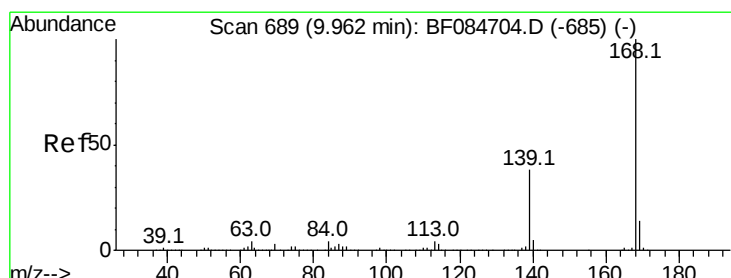
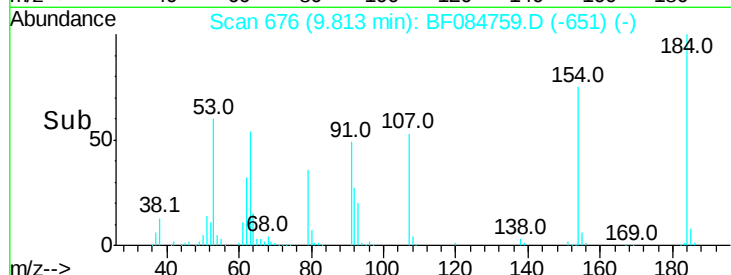
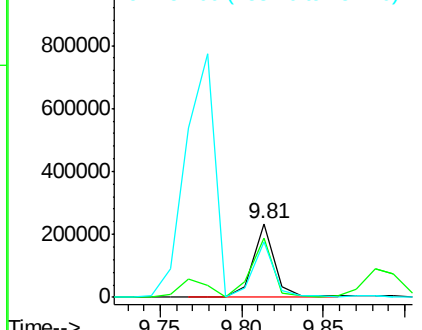
Tot Ion	Ratio	Resp	Lower	Upper
184	100	220206		
63	81.3	43.1	64.7#	
154	74.8	60.5	90.7	

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 2/3/2016 6:25:38 PM

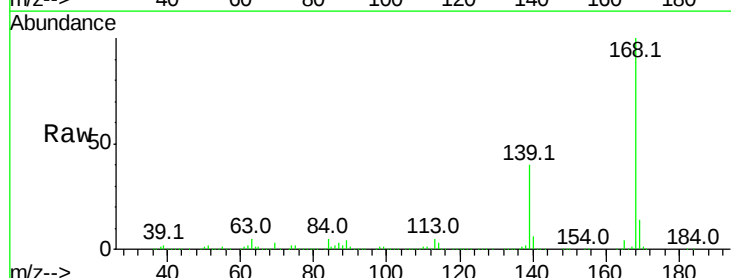


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

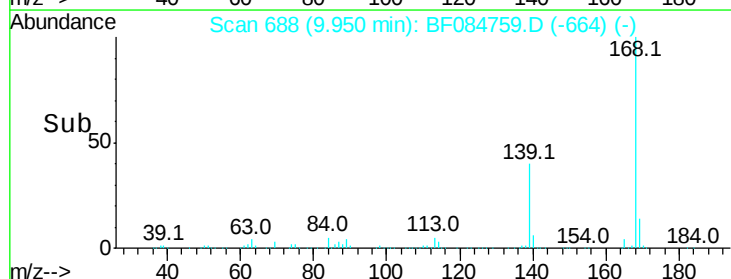
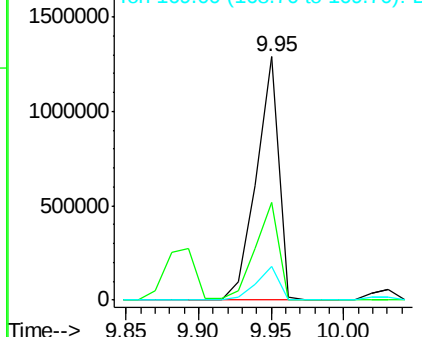


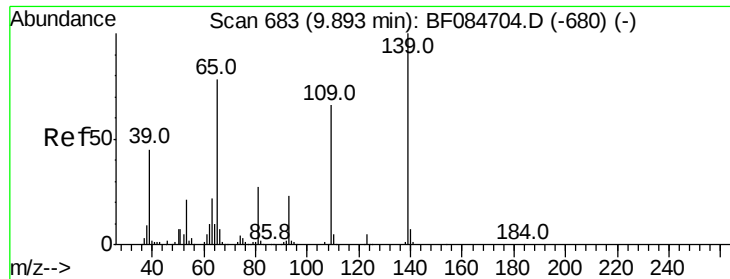
#54
 Dibenzofuran
 Concen: 49.89 ng
 RT: 9.95 min Scan# 688
 Delta R.T. -0.02 min
 Lab File: BF084759.D
 Acq: 2 Feb 2016 21:27

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	1378961		
139	40.0	30.5	45.7	
169	13.9	10.4	15.6	



Abundance Ion 168.00 (167.70 to 168.70): E
 Ion 139.00 (138.70 to 139.70): E
 Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 85.45 ng

RT: 9.89 min Scan# 683

Delta R.T. -0.00 min

Lab File: BF084759.D

Acq: 2 Feb 2016 21:27

Instrument :

BNA_F

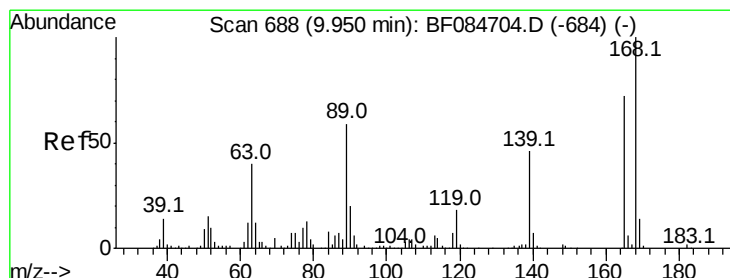
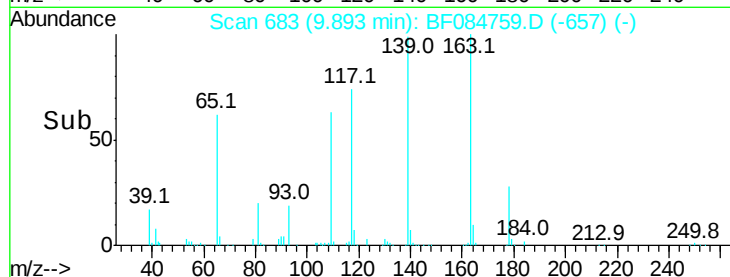
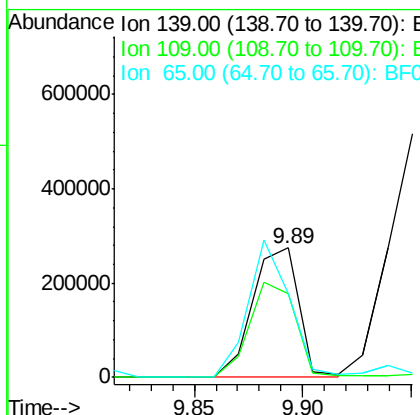
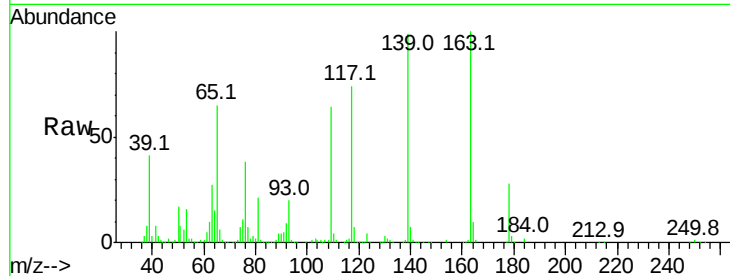
ClientSampleId :

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Tot Ion:	139	Resp:	408860
Ion Ratio	Lower	Upper	
139	100		
109	64.3	58.5	98.5
65	65.1	57.6	97.6

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2/3/2016 6:25:38 PM



#56

2,4-Dinitrotoluene

Concen: 40.01 ng

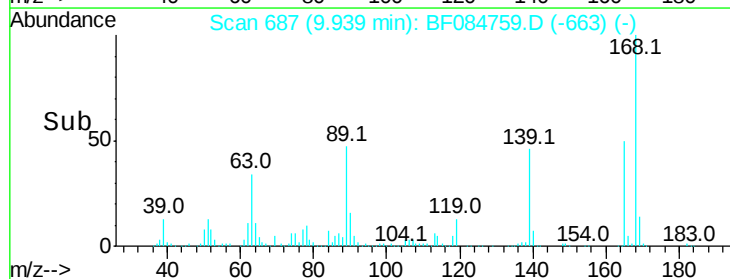
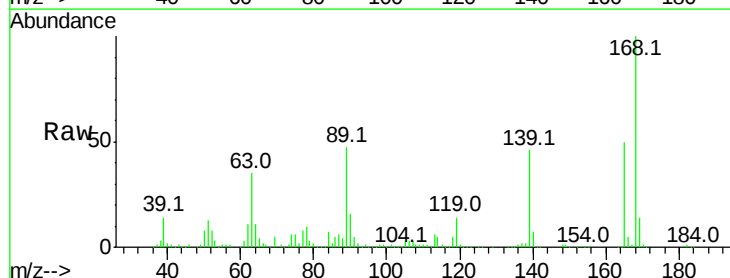
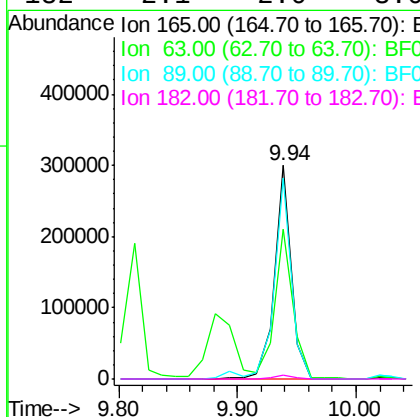
RT: 9.94 min Scan# 687

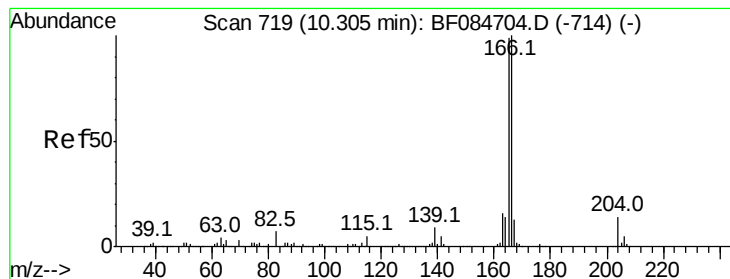
Delta R.T. -0.02 min

Lab File: BF084759.D

Acq: 2 Feb 2016 21:27

Tgt Ion:	165	Resp:	295711
Ion Ratio	Lower	Upper	
165	100		
63	69.8	36.7	55.1#
89	94.3	61.9	92.9#
182	2.1	2.0	3.0





#57

Fluorene

Concen: 45.02 ng

RT: 10.29 min Scan# 718

Delta R.T. -0.01 min

Lab File: BF084759.D

Acq: 2 Feb 2016 21:27

Instrument :

BNA_F

ClientSampleId :

IMPACT-PS-001MSD

Tot Ion:166 Resp: 1039148

Ion Ratio Lower Upper

166 100

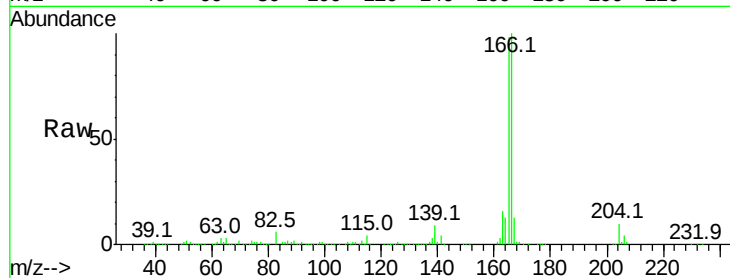
165 98.2 79.1 118.7

167 13.3 10.4 15.6

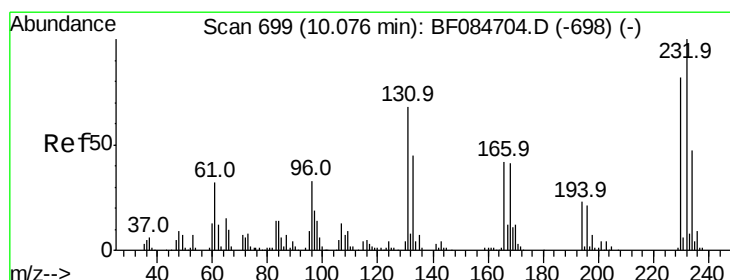
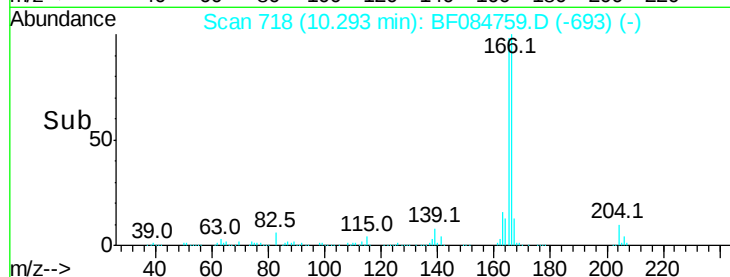
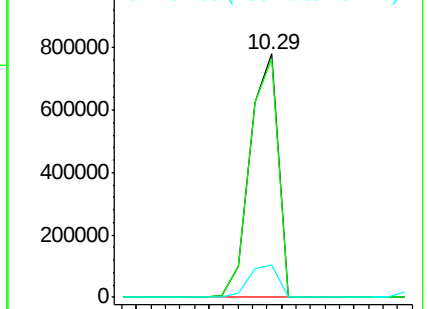
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Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#58

2,3,4,6-Tetrachlorophenol

Concen: 45.24 ng

RT: 10.06 min Scan# 698

Delta R.T. -0.02 min

Lab File: BF084759.D

Acq: 2 Feb 2016 21:27

Tgt Ion:232 Resp: 249322

Ion Ratio Lower Upper

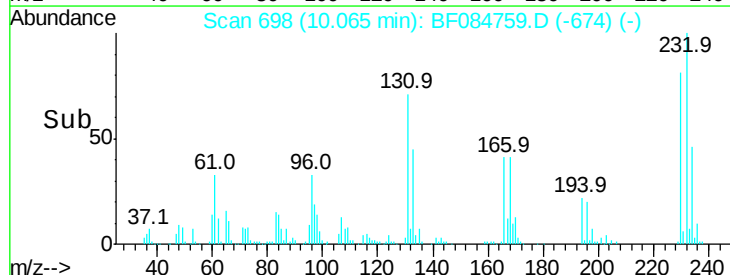
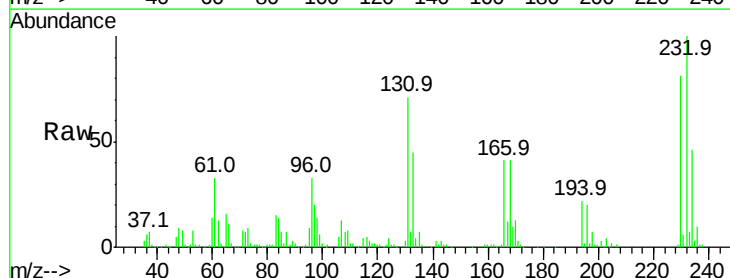
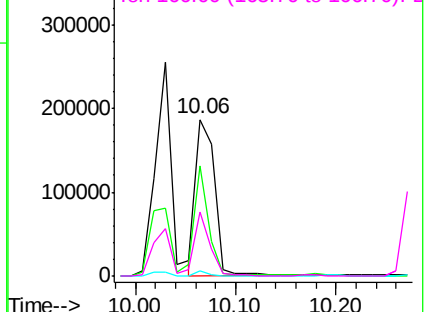
232 100

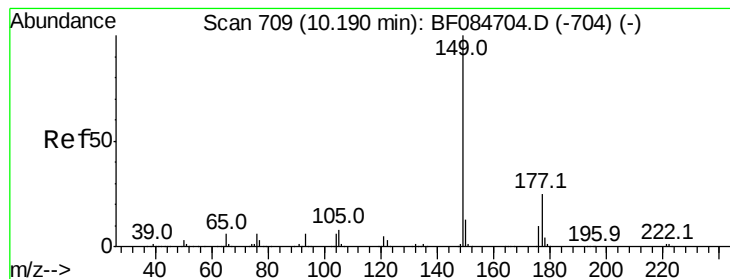
131 53.3 47.0 70.6

130 2.5 2.0 3.0

166 32.8 30.5 45.7

Abundance Ion 232.00 (231.70 to 232.70): E
Ion 131.00 (130.70 to 131.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 46.33 ng

RT: 10.18 min Scan# 708

Delta R.T. -0.01 min

Lab File: BF084759.D

Acq: 2 Feb 2016 21:27

Instrument :

BNA_F

ClientSampleId :

IMPACT-PS-001MSD

Tot Ion:149 Resp: 1199901

Ion Ratio Lower Upper

149 100

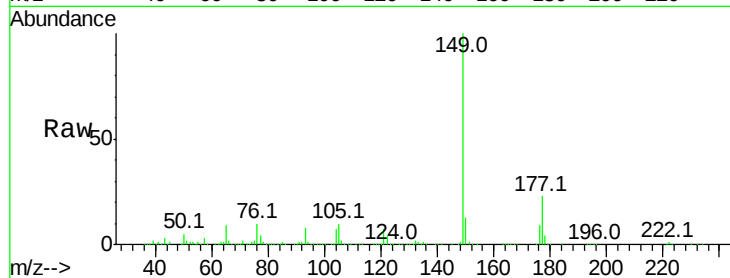
177 23.1 17.3 25.9

150 12.7 9.8 14.8

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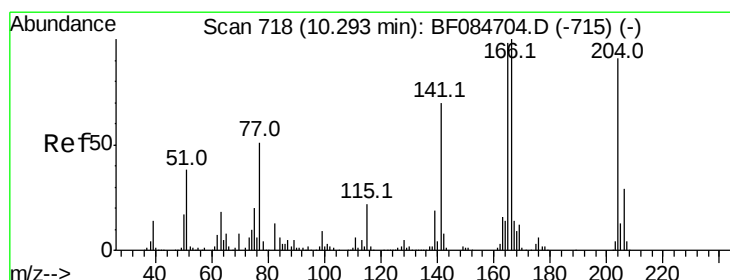
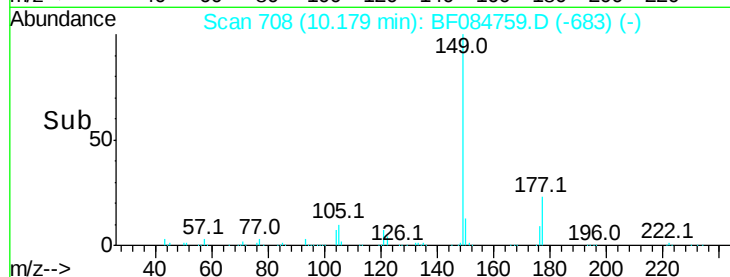
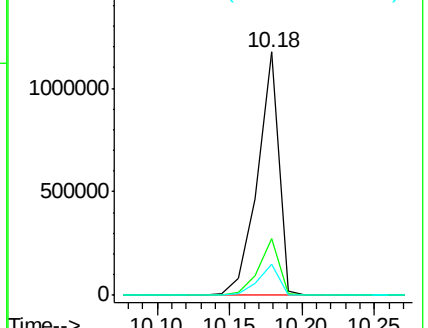
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 44.97 ng

RT: 10.28 min Scan# 717

Delta R.T. -0.02 min

Lab File: BF084759.D

Acq: 2 Feb 2016 21:27

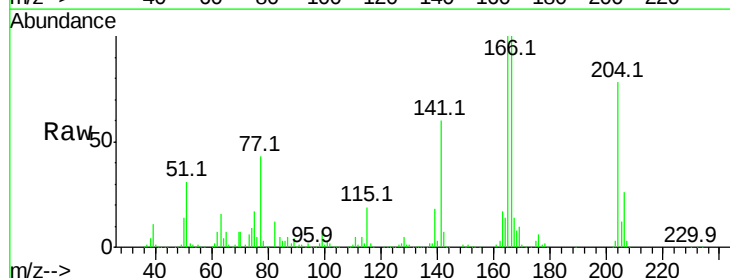
Tgt Ion:204 Resp: 436130

Ion Ratio Lower Upper

204 100

206 32.7 25.7 38.5

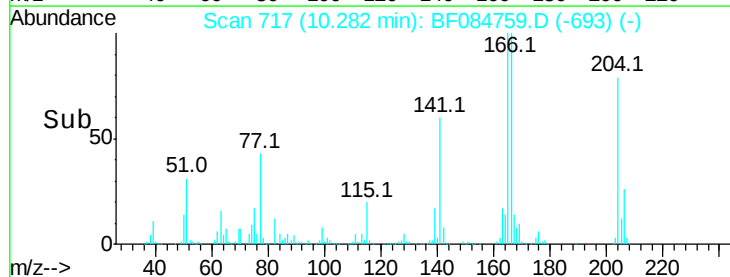
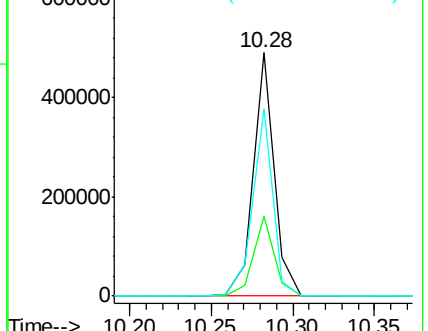
141 76.7 55.1 82.7

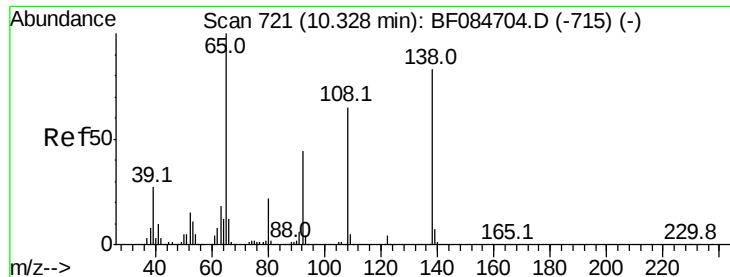


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





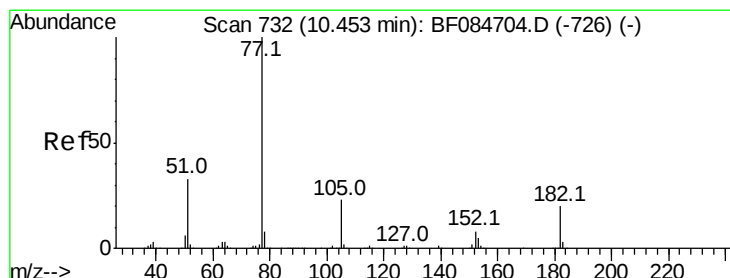
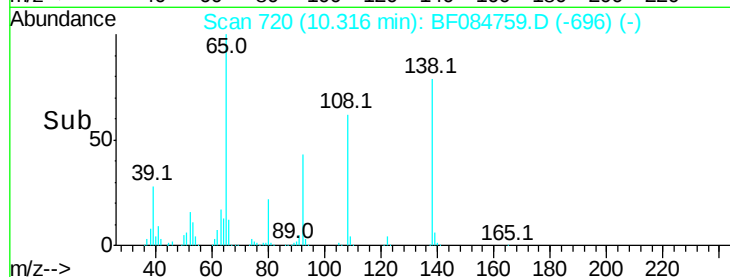
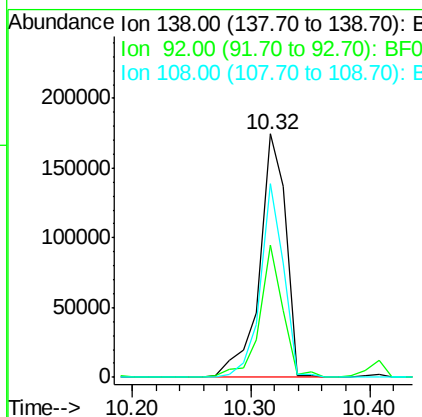
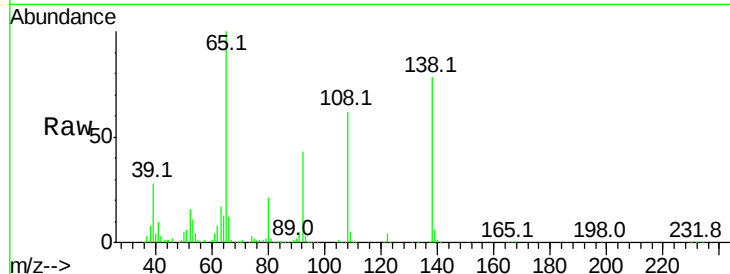
#61
4-Nitroaniline
Concen: 42.61 ng
RT: 10.32 min Scan# 720
Delta R.T. -0.02 min
Lab File: BF084759.D
Acq: 2 Feb 2016 21:27

Instrument :
BNA_F
ClientSampleId :
IMPACT-PS-001MSD

Tot Ion	Ratio	Lower	Upper
138	100		
92	54.5	32.6	72.6
108	79.3	68.6	108.6

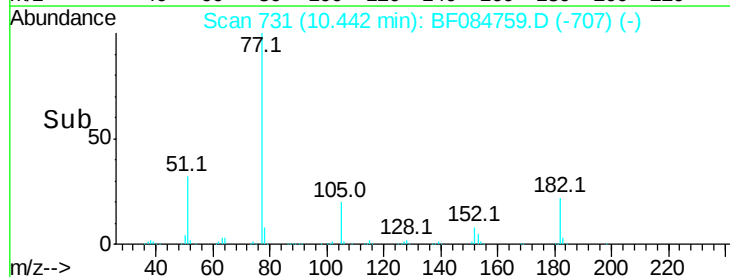
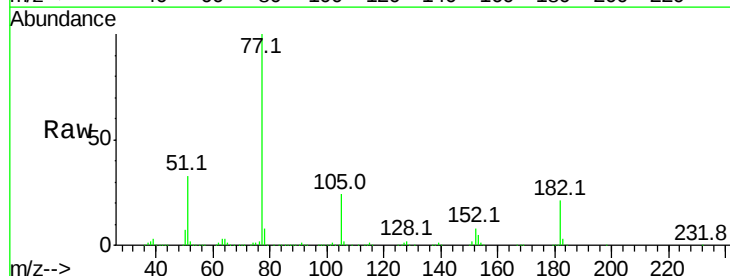
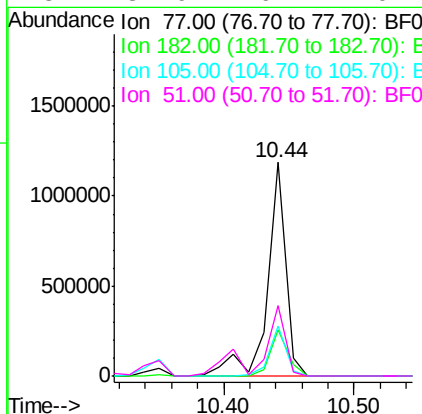
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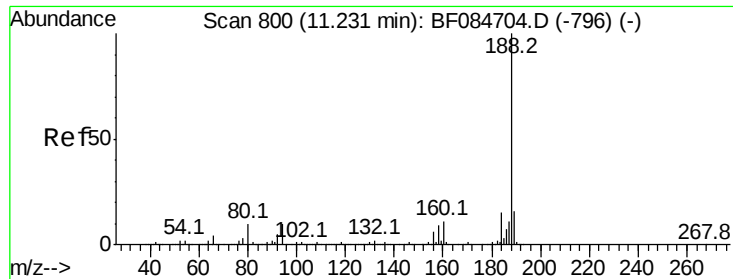
MMDadoda
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#62
Azobenzene
Concen: 47.39 ng
RT: 10.44 min Scan# 731
Delta R.T. -0.02 min
Lab File: BF084759.D
Acq: 2 Feb 2016 21:27

Tgt Ion	Ratio	Lower	Upper
77	100		
182	21.5	8.3	48.3
105	23.6	4.6	44.6
51	32.9	6.2	46.2





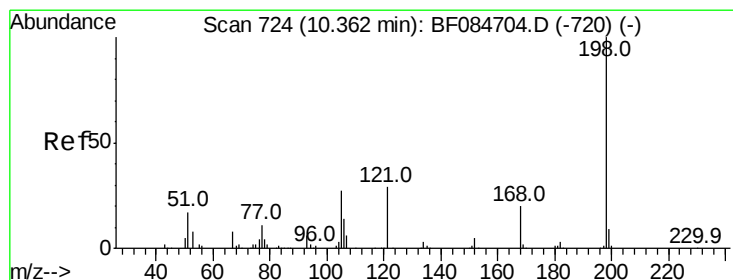
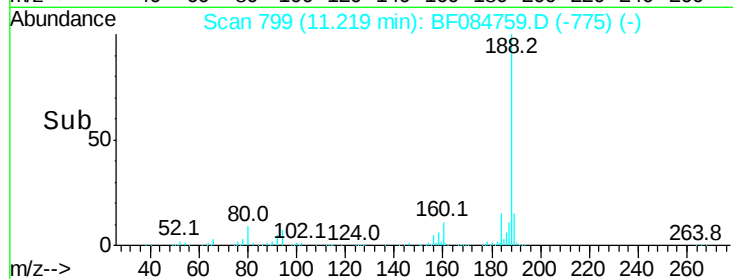
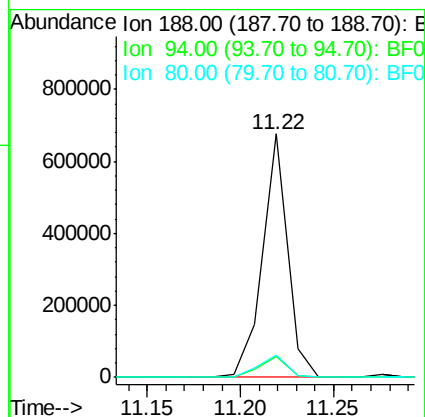
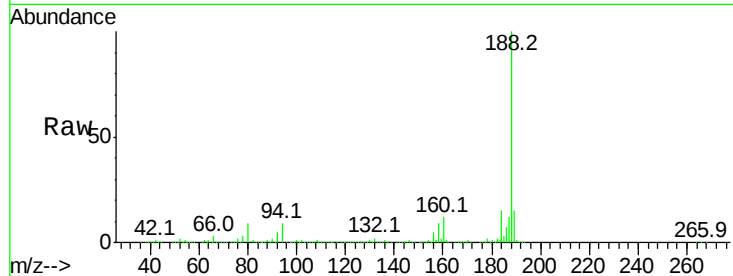
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 799
Delta R.T. -0.02 min
Lab File: BF084759.D
Acq: 2 Feb 2016 21:27

Instrument :
BNA_F
ClientSampleId :
IMPACT-PS-001MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.6	9.0	13.4#
80	9.0	9.6	14.4#

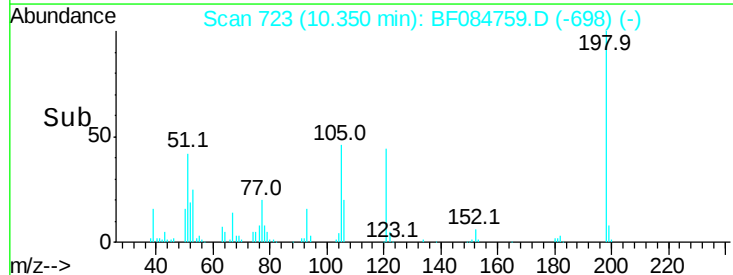
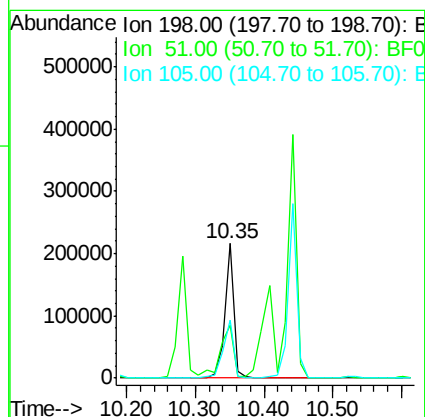
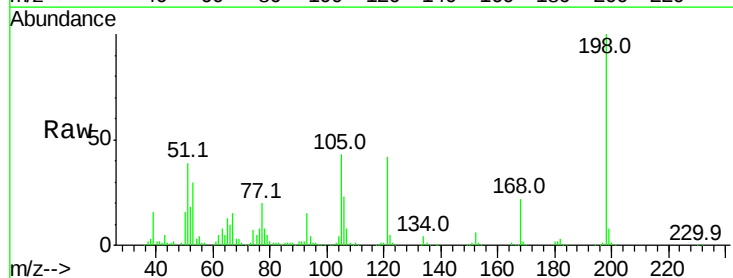
Manual Integrations
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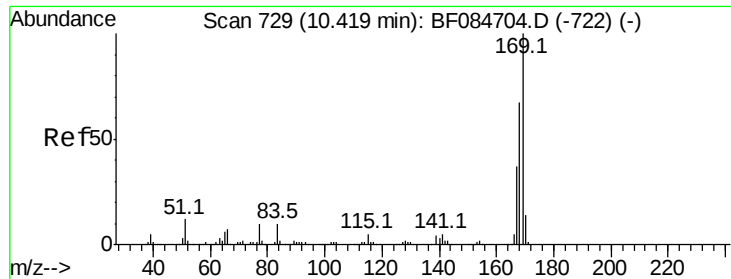
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#64
4,6-Dinitro-2-methylphenol
Concen: 52.24 ng
RT: 10.35 min Scan# 723
Delta R.T. -0.01 min
Lab File: BF084759.D
Acq: 2 Feb 2016 21:27

Tgt Ion	Ratio	Resp Lower	Resp Upper
198	100		
51	39.4	18.9	58.9
105	43.2	26.4	66.4





#65

n-Nitrosodiphenylamine

Concen: 47.68 ng

RT: 10.41 min Scan# 728

Delta R.T. -0.02 min

Lab File: BF084759.D

Acq: 2 Feb 2016 21:27

Instrument :

BNA_F

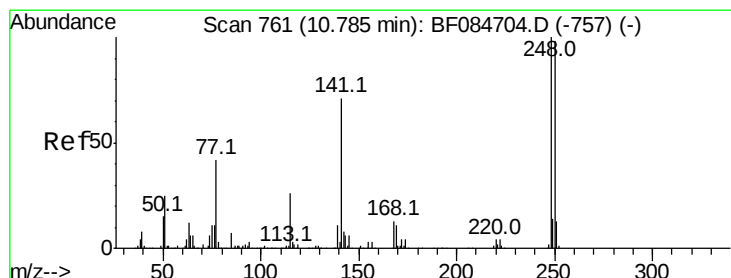
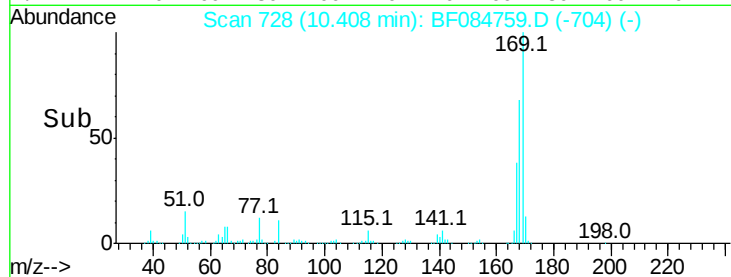
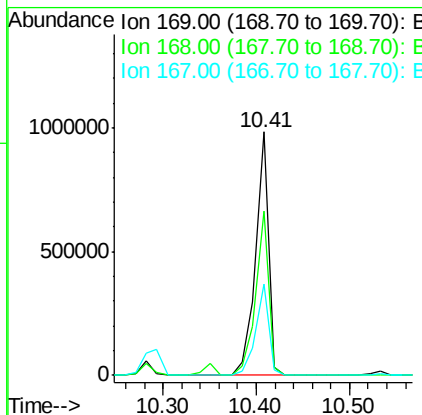
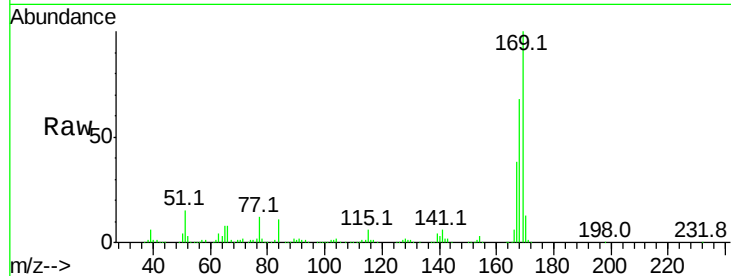
ClientSampleId :

IMPACT-PS-001MSD

Tot Ion	Ratio	Resp	Lower	Upper
169	100	947369		
168	67.7		55.1	82.7
167	37.7		30.0	45.0

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#66

4-Bromophenyl-phenylether

Concen: 47.74 ng

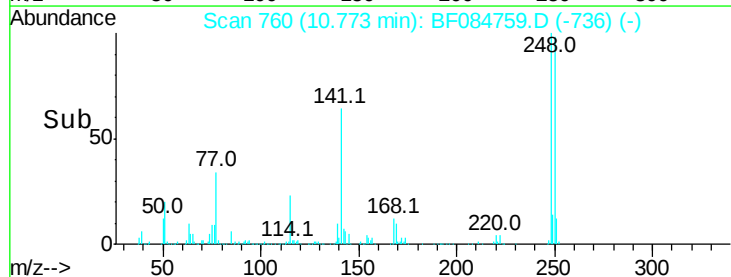
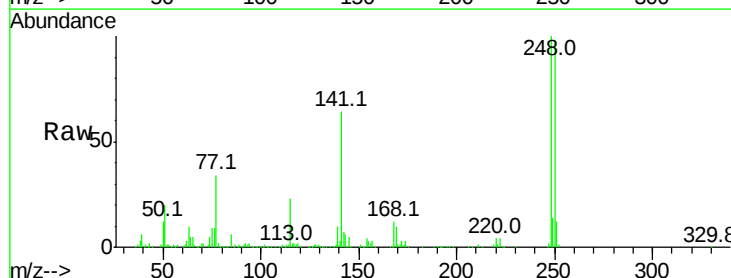
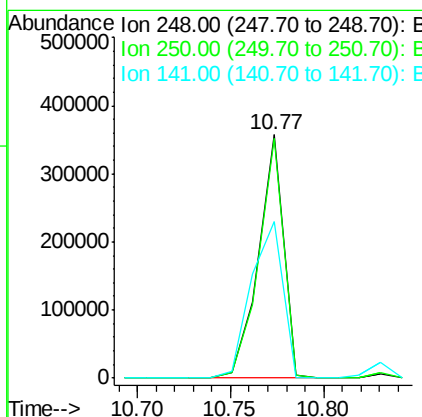
RT: 10.77 min Scan# 760

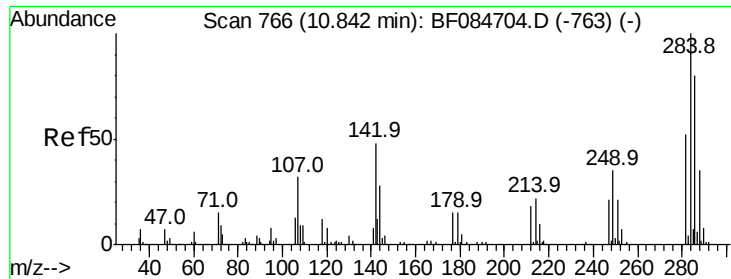
Delta R.T. -0.02 min

Lab File: BF084759.D

Acq: 2 Feb 2016 21:27

Tgt Ion	Ratio	Resp	Lower	Upper
248	100	329924		
250	98.4		78.4	117.6
141	64.5		44.0	66.0





#67

Hexachlorobenzene

Concen: 40.91 ng

RT: 10.83 min Scan# 765

Delta R.T. -0.02 min

Lab File: BF084759.D

Acq: 2 Feb 2016 21:27

Instrument :

BNA_F

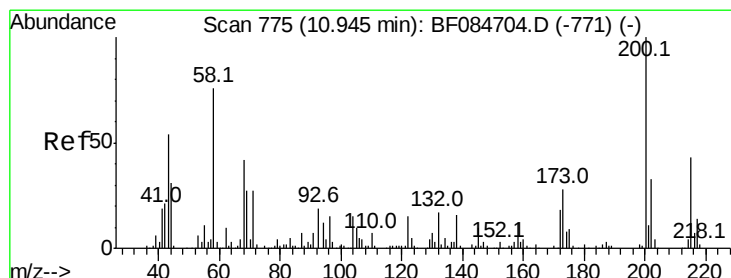
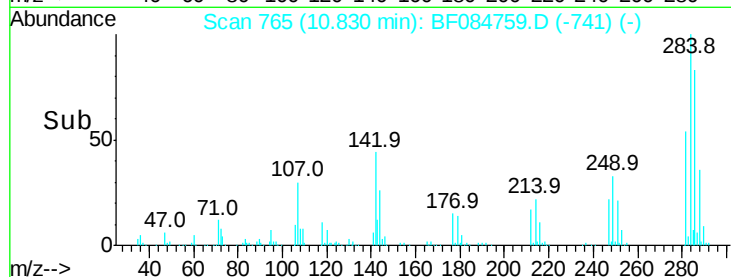
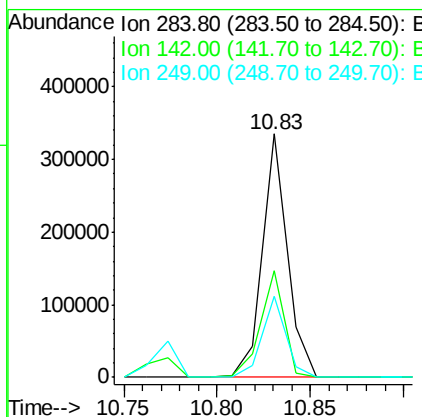
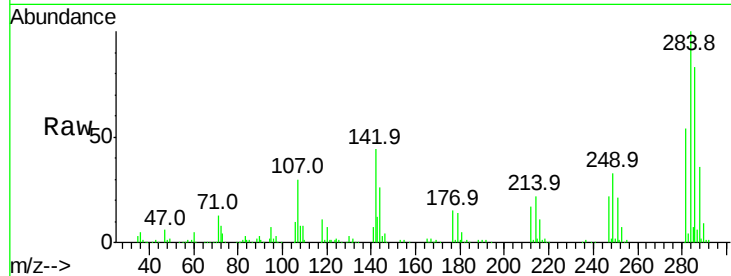
ClientSampleId :

IMPACT-PS-001MSD

Tot Ion:	284	Resp:	308069
Ion Ratio	Lower	Upper	
284	100		
142	43.7	22.2	33.4#
249	33.4	24.6	37.0

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#68

Atrazine

Concen: 49.13 ng

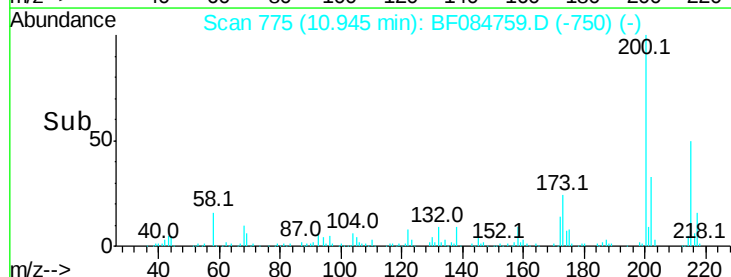
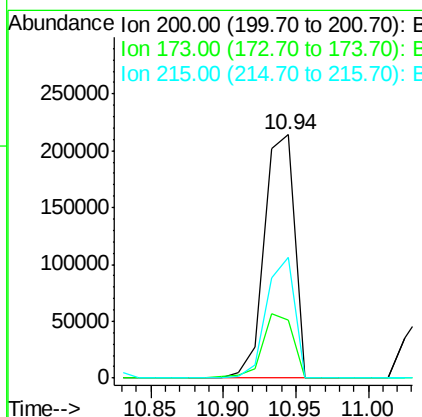
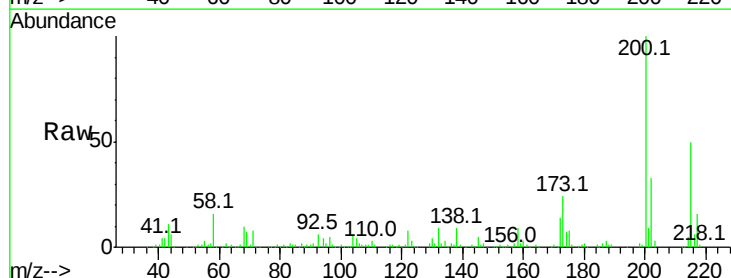
RT: 10.94 min Scan# 775

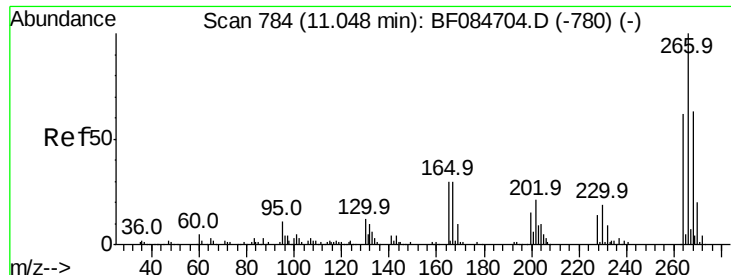
Delta R.T. -0.01 min

Lab File: BF084759.D

Acq: 2 Feb 2016 21:27

Tgt Ion:	200	Resp:	308279
Ion Ratio	Lower	Upper	
200	100		
173	23.6	9.5	49.5
215	49.6	23.8	63.8





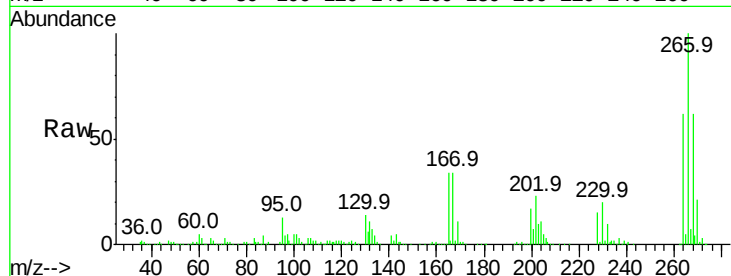
#69
 Pentachlorophenol
 Concen: 97.21 ng
 RT: 11.04 min Scan# 783
 Delta R.T. -0.01 min
 Lab File: BF084759.D
 Acq: 2 Feb 2016 21:27

Instrument :
 BNA_F
 ClientSampleId :
 IMPACT-PS-001MSD

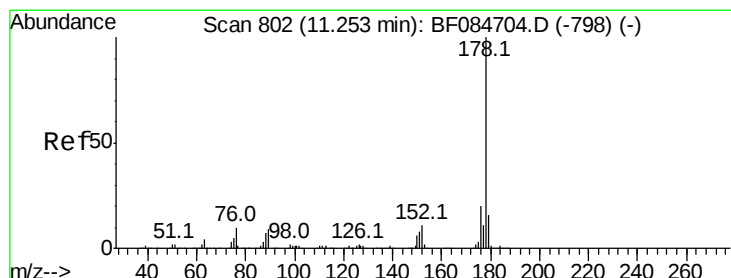
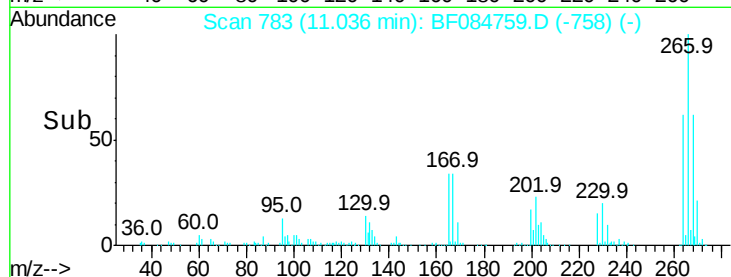
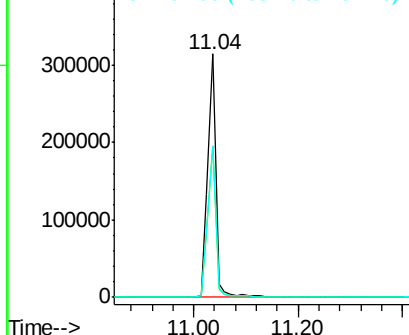
Tot Ion	Ratio	Resp	Lower	Upper
266	100	344036		
268	62.3		52.4	78.6
264	62.2		50.2	75.2

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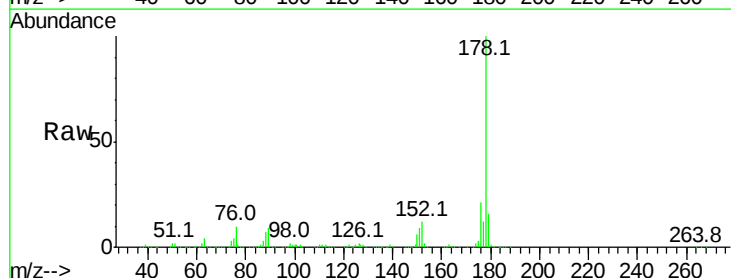


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

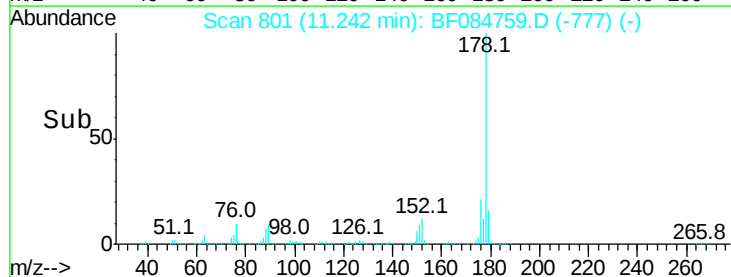
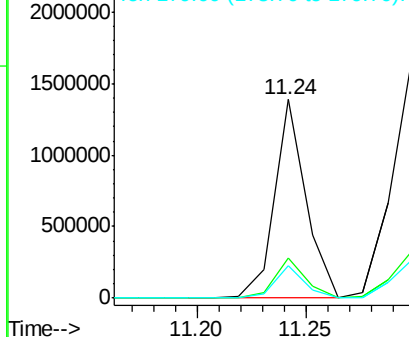


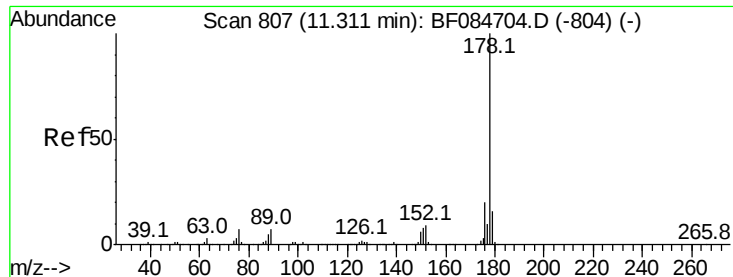
#70
 Phenanthrene
 Concen: 40.38 ng
 RT: 11.24 min Scan# 801
 Delta R.T. -0.02 min
 Lab File: BF084759.D
 Acq: 2 Feb 2016 21:27

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1401438		
176	20.5		15.3	22.9
179	16.4		12.0	18.0



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





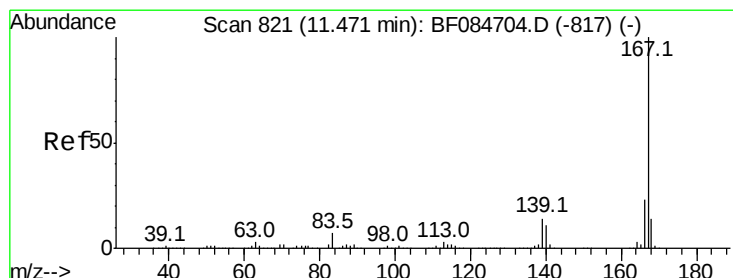
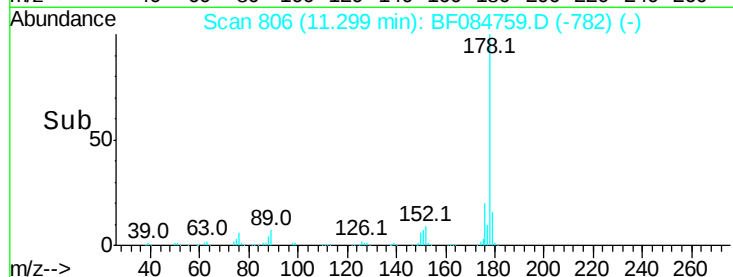
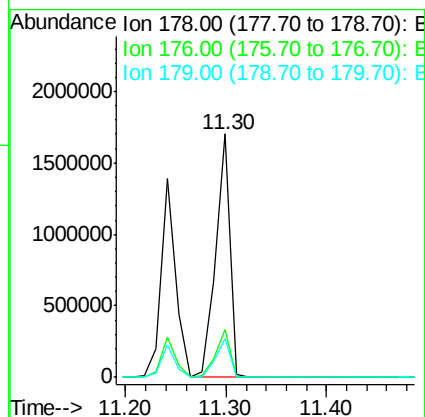
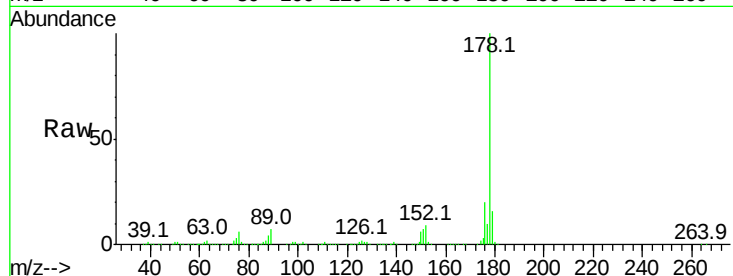
#71
 Anthracene
 Concen: 47.70 ng
 RT: 11.30 min Scan# 806
 Delta R.T. -0.02 min
 Lab File: BF084759.D
 Acq: 2 Feb 2016 21:27

Instrument :
 BNA_F
 ClientSampleId :
 IMPACT-PS-001MSD

Tot Ion:178 Resp: 1668007
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.4 23.0
 179 16.1 12.5 18.7

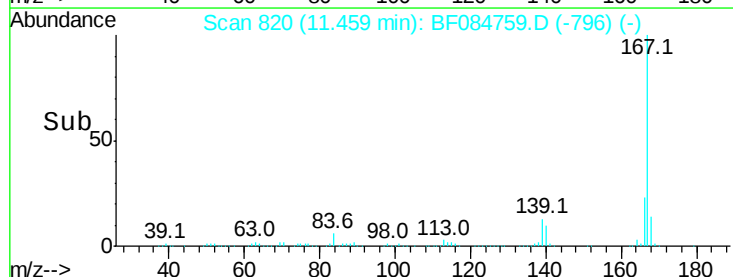
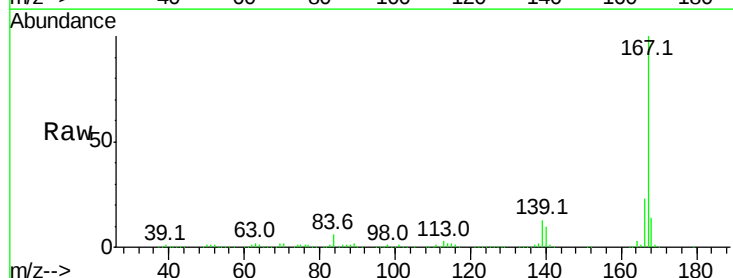
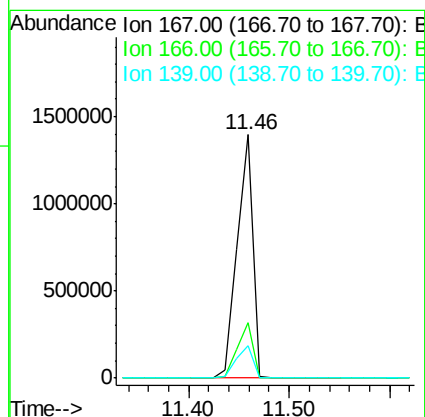
Manual Integrations
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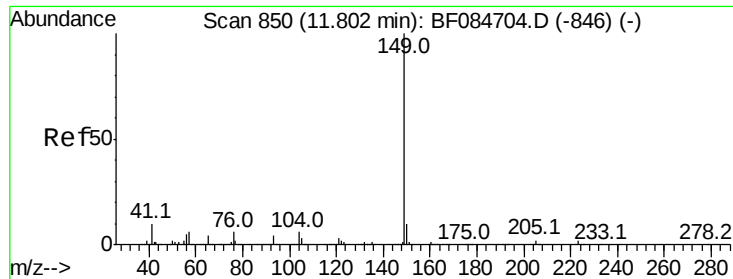
MMDadoda
 2/3/2016 6:25:38 PM



#72
 Carbazole
 Concen: 49.32 ng
 RT: 11.46 min Scan# 820
 Delta R.T. -0.02 min
 Lab File: BF084759.D
 Acq: 2 Feb 2016 21:27

Tgt Ion:167 Resp: 1504150
 Ion Ratio Lower Upper
 167 100
 166 22.8 17.6 26.4
 139 13.4 11.8 17.8





#73

Di-n-butylphthalate

Concen: 41.33 ng

RT: 11.79 min Scan# 849

Delta R.T. -0.02 min

Lab File: BF084759.D

Acq: 2 Feb 2016 21:27

Instrument :

BNA_F

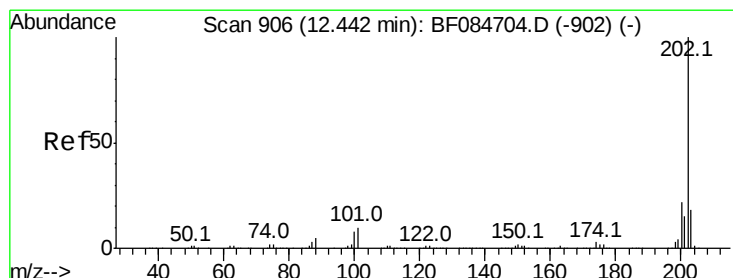
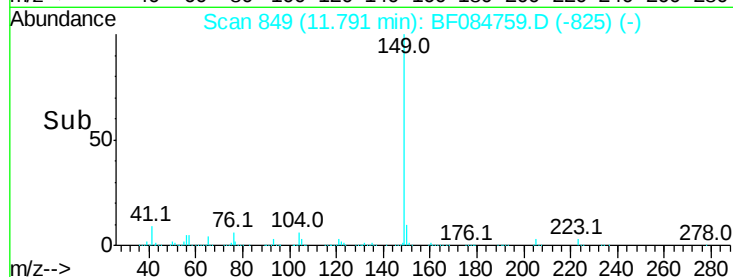
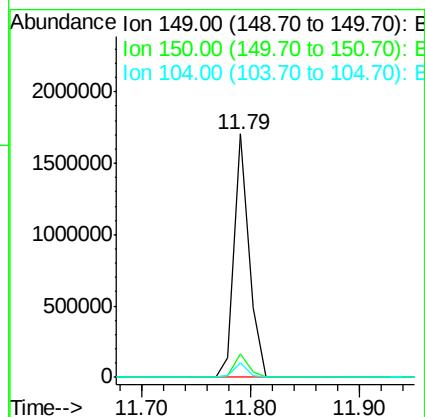
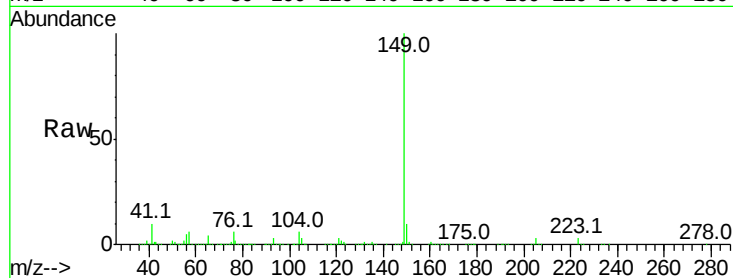
ClientSampleId :

IMPACT-PS-001MSD

Tot Ion	Ratio	Lower	Upper
149	100		
150	9.9	7.1	10.7
104	5.9	3.2	4.8

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#74

Fluoranthene

Concen: 47.26 ng

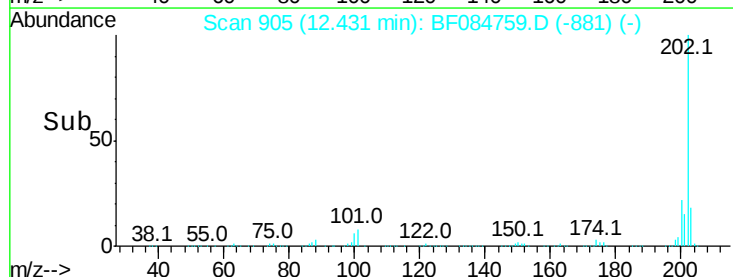
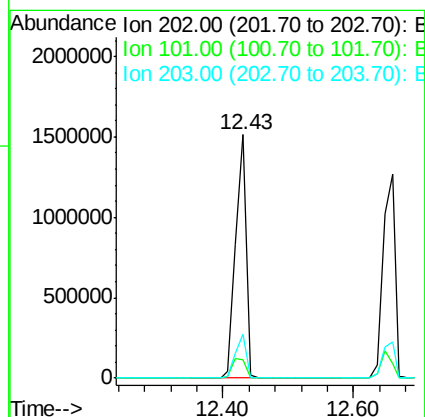
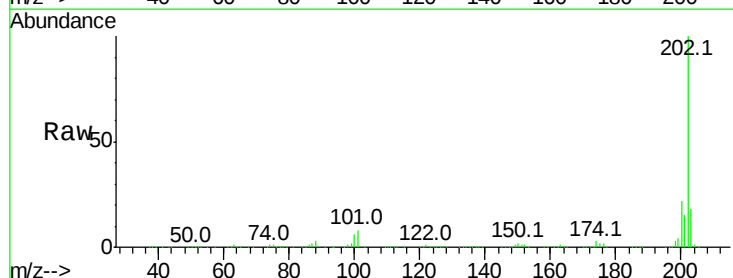
RT: 12.43 min Scan# 905

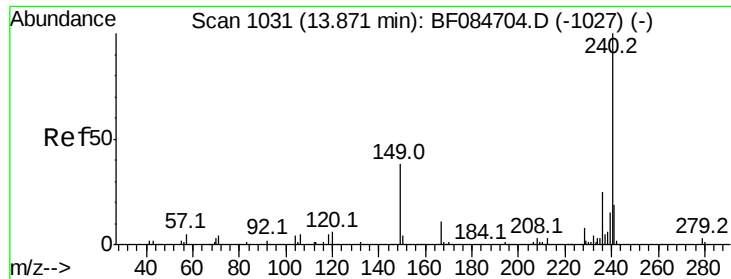
Delta R.T. -0.02 min

Lab File: BF084759.D

Acq: 2 Feb 2016 21:27

Tgt Ion	Ratio	Lower	Upper
202	100		
101	7.6	0.0	32.8
203	18.0	0.0	37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.85 min Scan# 1029

Delta R.T. -0.02 min

Lab File: BF084759.D

Acq: 2 Feb 2016 21:27

Instrument :

BNA_F

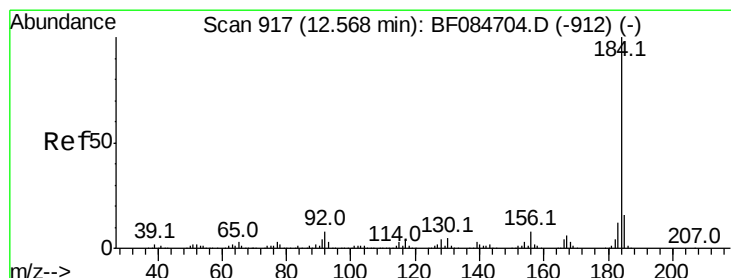
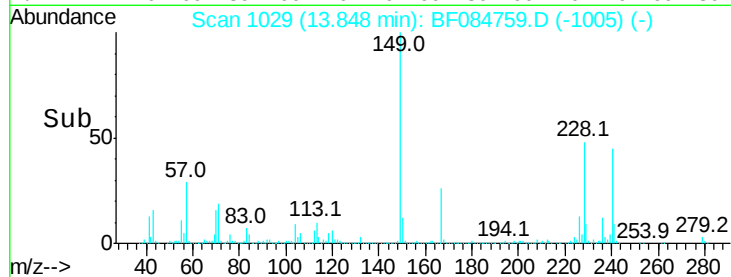
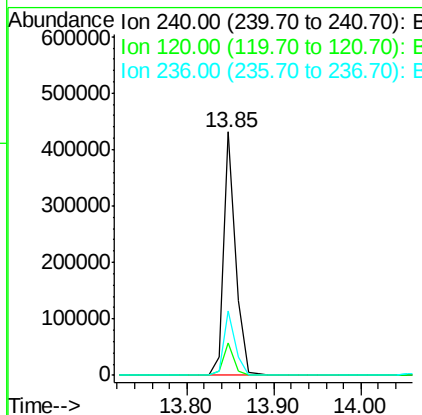
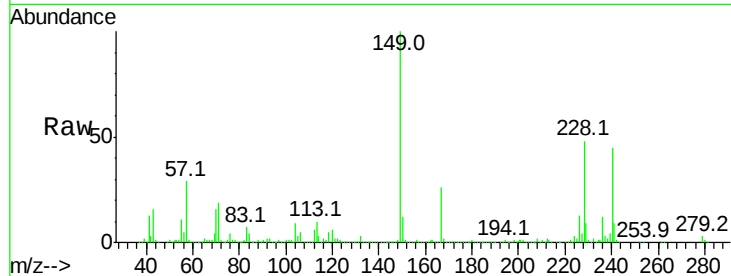
ClientSampleId :

IMPACT-PS-001MSD

Tot Ion:	240	Resp:	416645
Ion Ratio	Lower	Upper	
240	100		
120	13.3	9.5	14.3
236	26.3	20.6	31.0

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#76

Benzidine

Concen: 37.79 ng

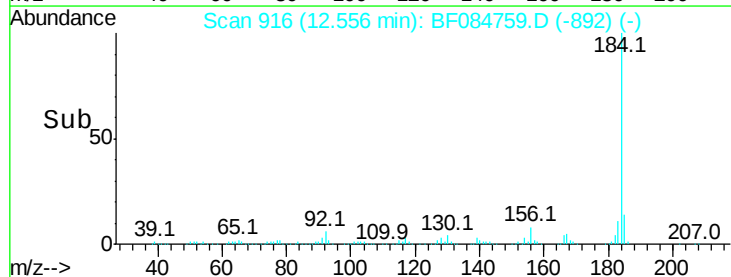
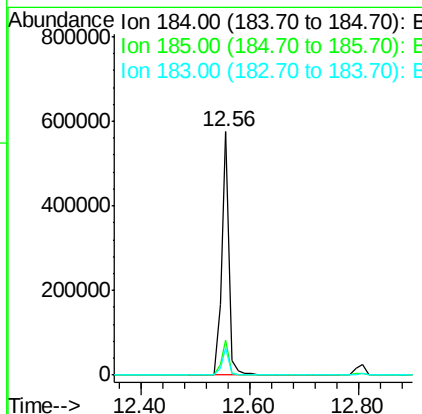
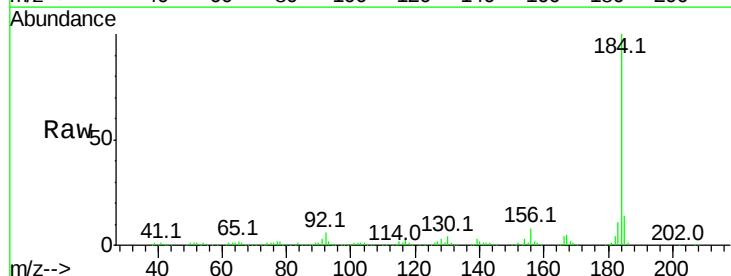
RT: 12.56 min Scan# 916

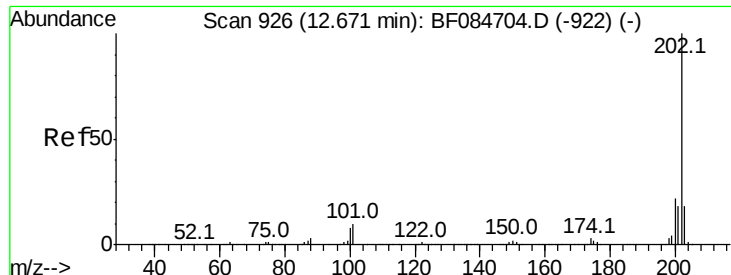
Delta R.T. -0.02 min

Lab File: BF084759.D

Acq: 2 Feb 2016 21:27

Tgt Ion:	184	Resp:	556363
Ion Ratio	Lower	Upper	
184	100		
185	14.2	12.2	18.2
183	11.4	9.8	14.8





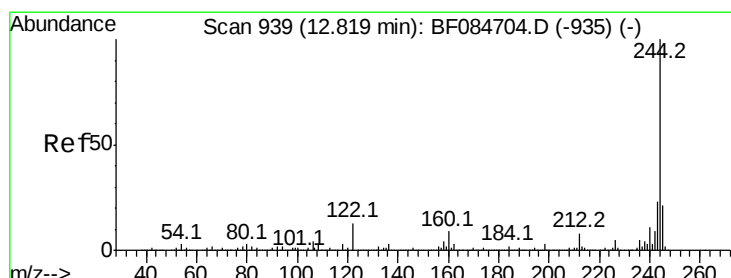
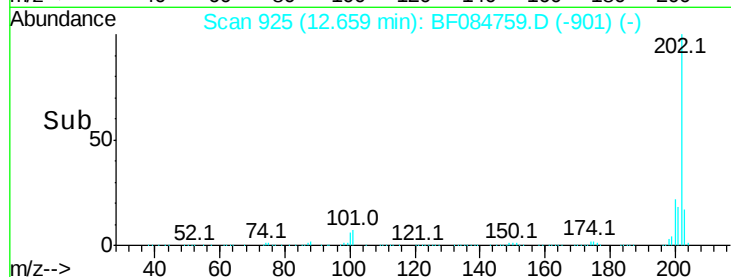
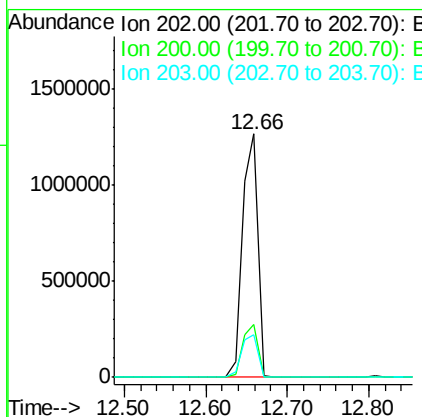
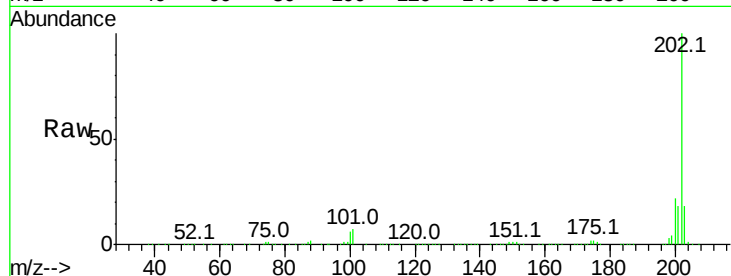
#77
Pvrene
Concen: 51.56 ng
RT: 12.66 min Scan# 925
Delta R.T. -0.02 min
Lab File: BF084759.D
Acq: 2 Feb 2016 21:27

Instrument :
BNA_F
ClientSampleId :
IMPACT-PS-001MSD

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.2	25.8
203	17.8	14.3	21.5

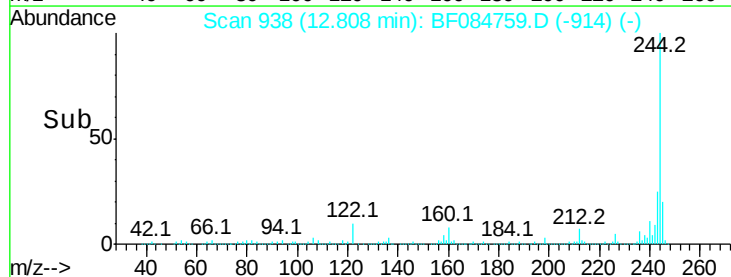
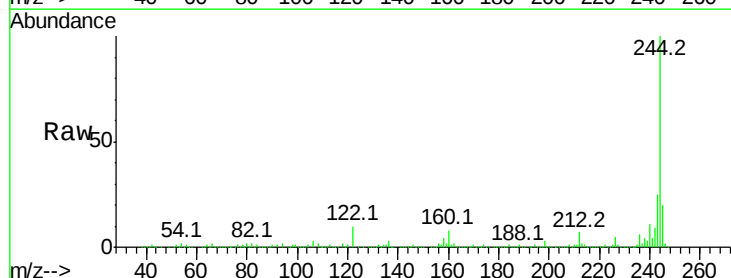
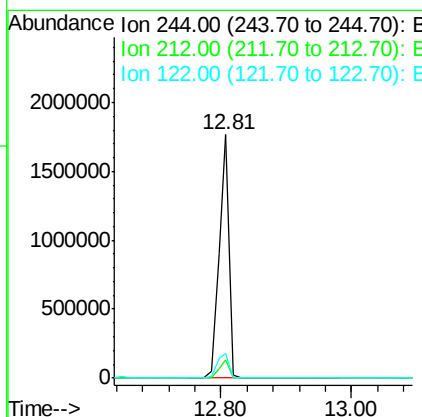
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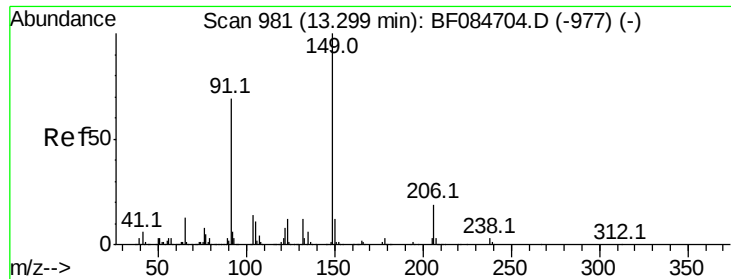
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2/3/2016 6:25:38 PM



#78
Terphenyl-d14
Concen: 102.99 ng
RT: 12.81 min Scan# 938
Delta R.T. -0.02 min
Lab File: BF084759.D
Acq: 2 Feb 2016 21:27

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.7	8.5
122	10.3	7.4	11.0





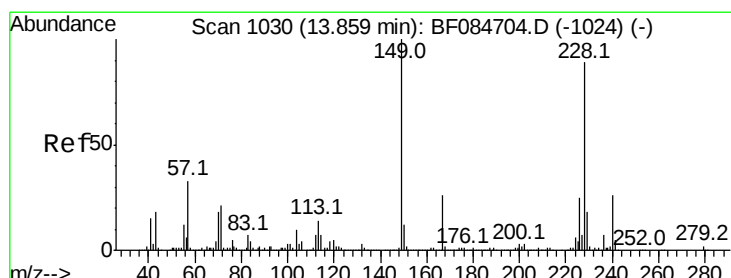
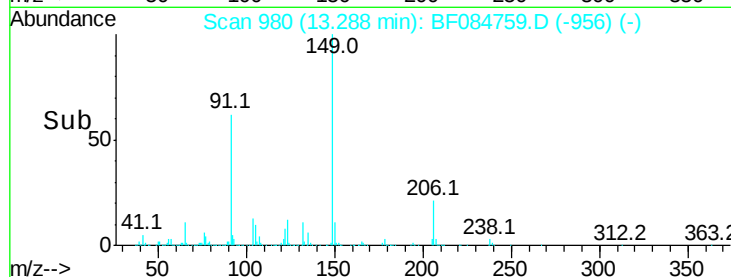
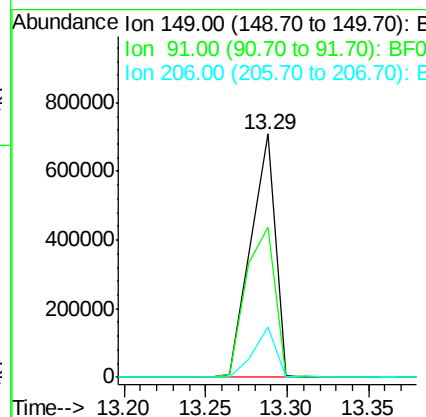
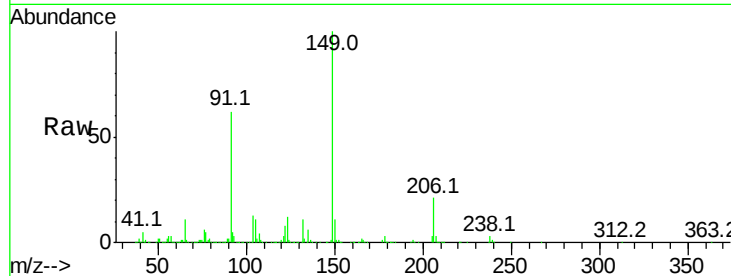
#79
Butylbenzylphthalate
Concen: 51.48 ng
RT: 13.29 min Scan# 980
Delta R.T. -0.02 min
Lab File: BF084759.D
Acq: 2 Feb 2016 21:27

Instrument :
BNA_F
ClientSampleId :
IMPACT-PS-001MSD

Tot Ion	Ratio	Lower	Upper
149	100		
91	61.8	57.6	86.4
206	20.8	13.2	19.8

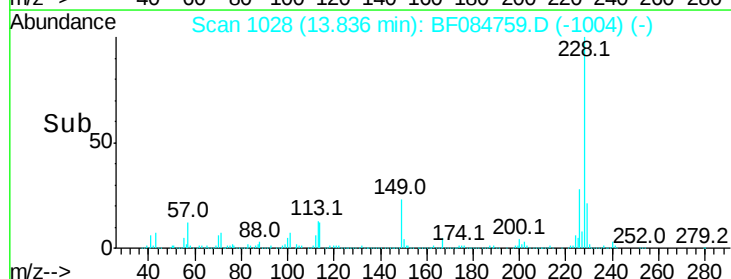
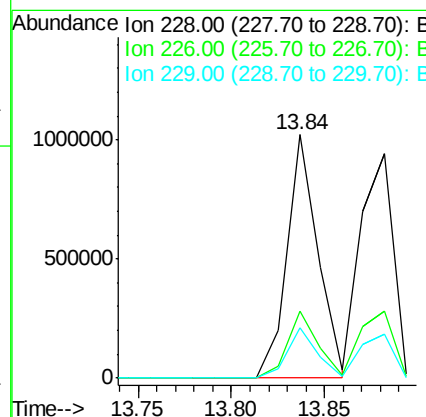
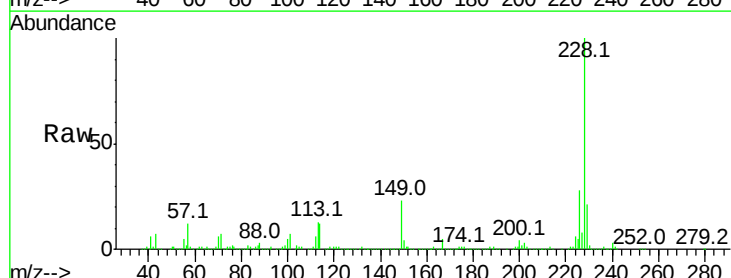
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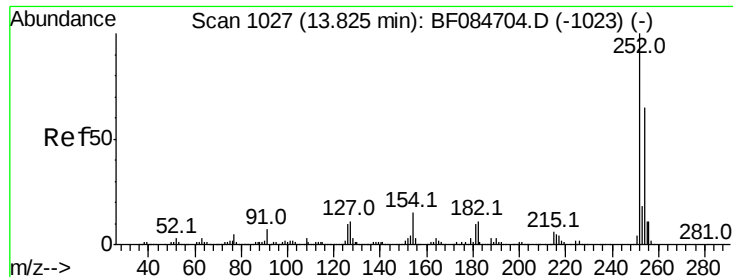
MMDadoda
2/3/2016 6:25:38 PM



#80
Benzo(a)anthracene
Concen: 45.55 ng
RT: 13.84 min Scan# 1028
Delta R.T. -0.02 min
Lab File: BF084759.D
Acq: 2 Feb 2016 21:27

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.8	32.6
229	20.8	15.8	23.8





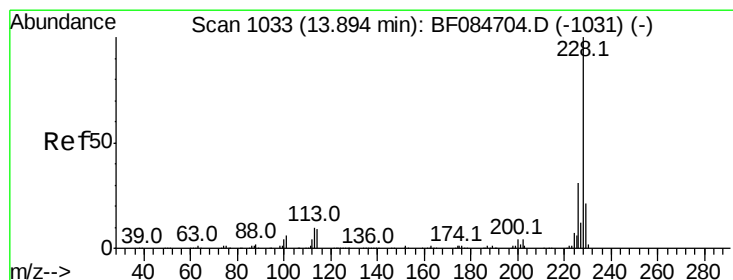
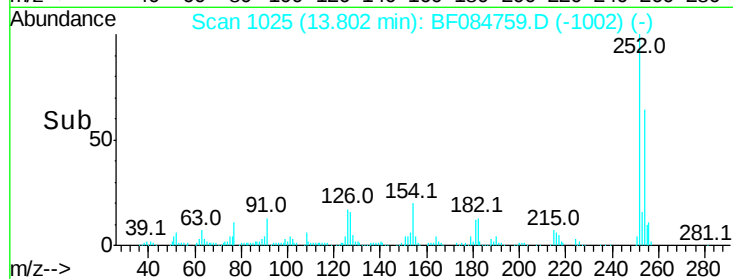
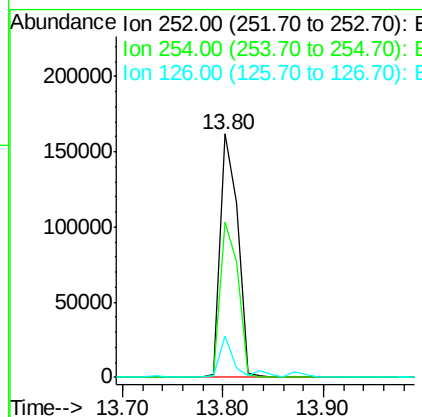
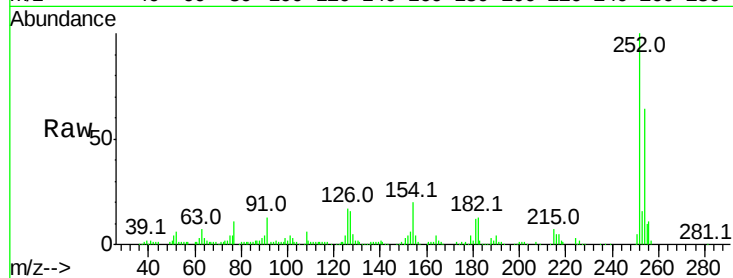
#81
 3,3'-Dichlorobenzidine
 Concen: 21.44 ng
 RT: 13.80 min Scan# 1025
 Delta R.T. -0.03 min
 Lab File: BF084759.D
 Acq: 2 Feb 2016 21:27

Instrument :
 BNA_F
 ClientSampleId :
 IMPACT-PS-001MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
252	100		
254	63.6	53.5	80.3
126	16.7	4.9	7.3

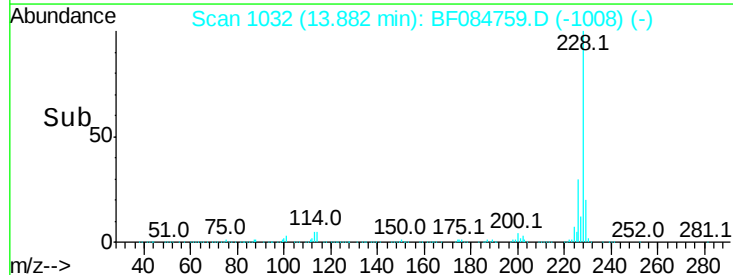
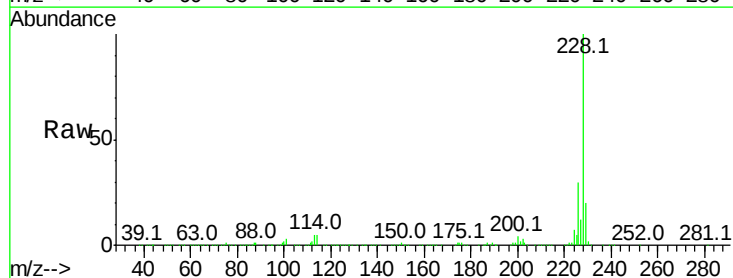
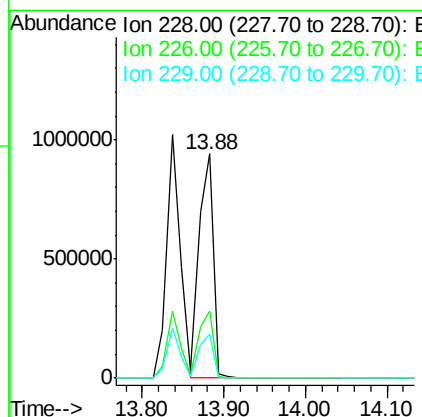
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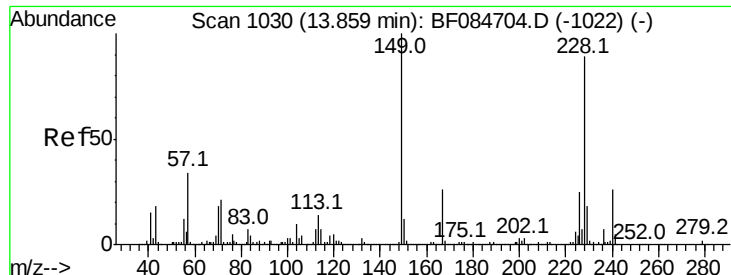
MMDadoda
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#82
 Chrysene
 Concen: 45.93 ng
 RT: 13.88 min Scan# 1032
 Delta R.T. -0.02 min
 Lab File: BF084759.D
 Acq: 2 Feb 2016 21:27

Tgt Ion	Ratio	Resp Lower	Resp Upper
228	100		
226	29.9	24.3	36.5
229	19.8	16.1	24.1





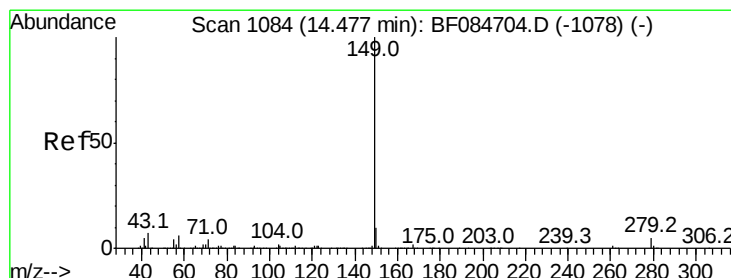
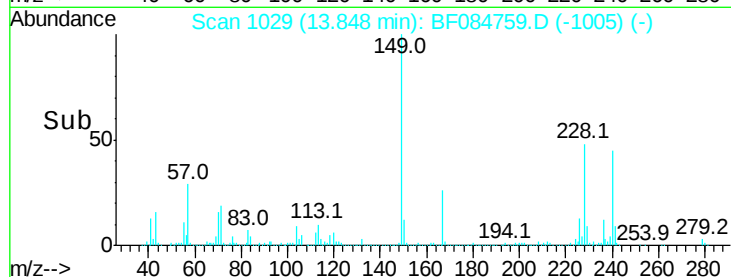
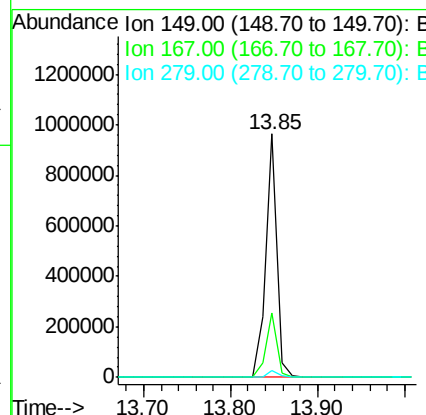
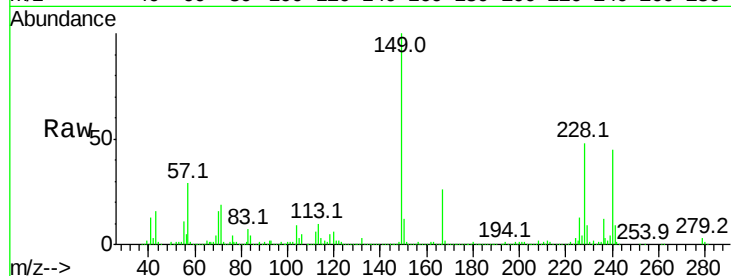
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 48.46 ng
 RT: 13.85 min Scan# 1029
 Delta R.T. -0.02 min
 Lab File: BF084759.D
 Acq: 2 Feb 2016 21:27

Instrument :
 BNA_F
 ClientSampleId :
 IMPACT-PS-001MSD

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.3	19.7	29.5
279	3.0	1.8	2.6

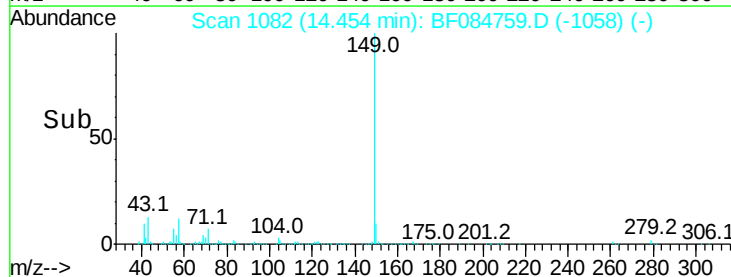
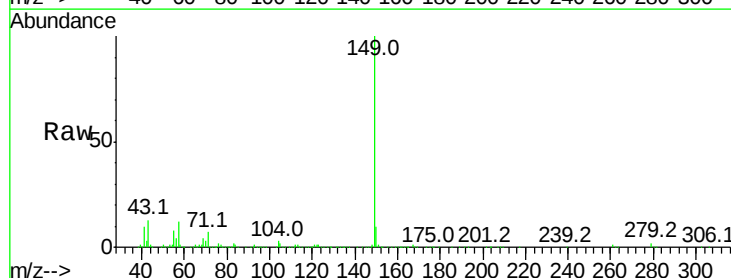
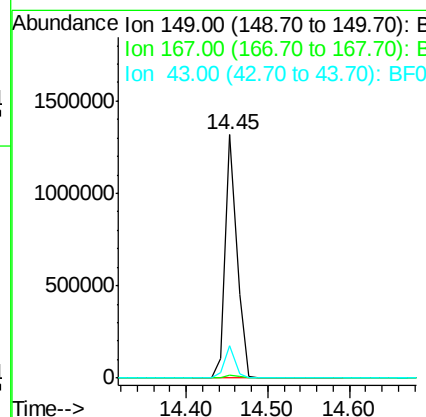
Manual Integrations
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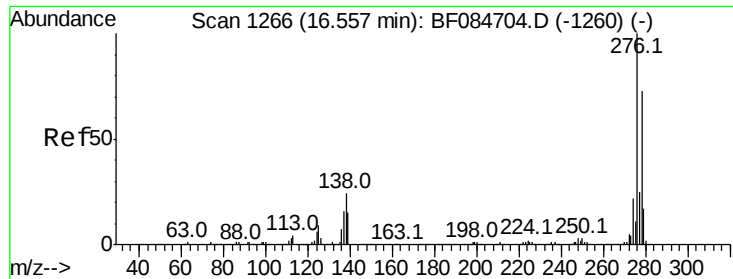
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#84
 Di-n-octyl phthalate
 Concen: 43.85 ng
 RT: 14.45 min Scan# 1082
 Delta R.T. -0.02 min
 Lab File: BF084759.D
 Acq: 2 Feb 2016 21:27

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	11.8	5.6	8.4





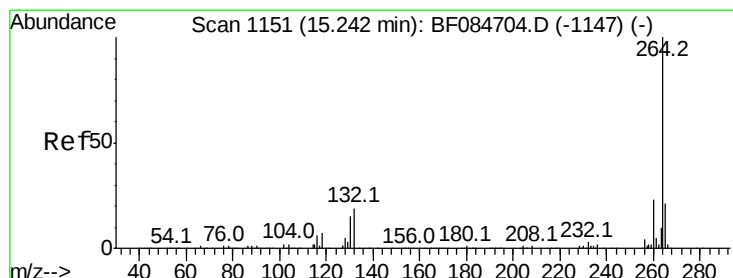
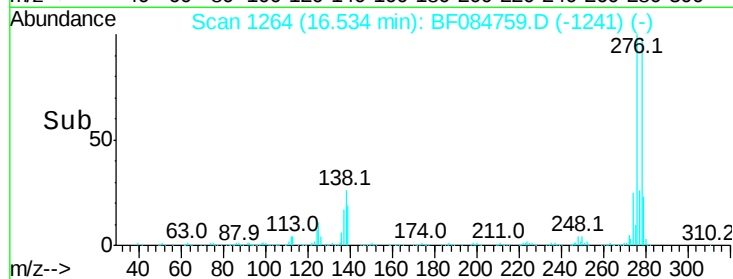
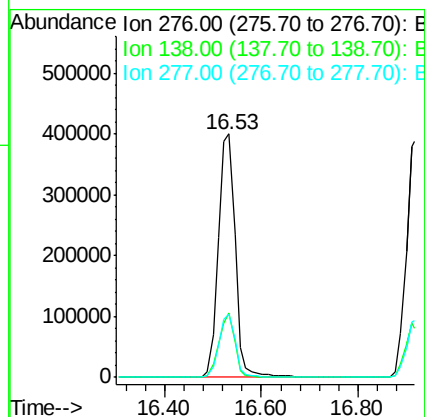
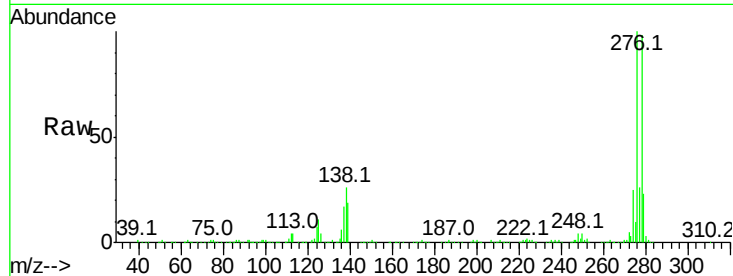
#85
Indeno(1,2,3-cd)pyrene
Concen: 50.01 ng
RT: 16.53 min Scan# 1264
Delta R.T. -0.03 min
Lab File: BF084759.D
Acq: 2 Feb 2016 21:27

Instrument :
BNA_F
ClientSampleId :
IMPACT-PS-001MSD

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.7	20.6	30.8
277	25.0	20.1	30.1

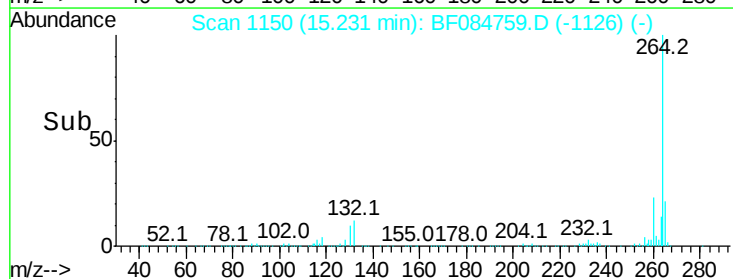
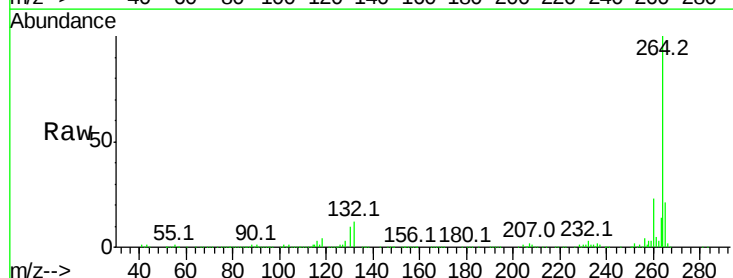
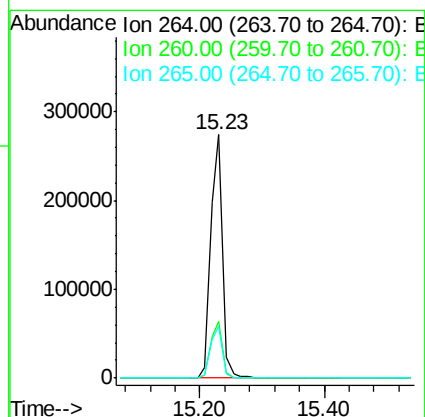
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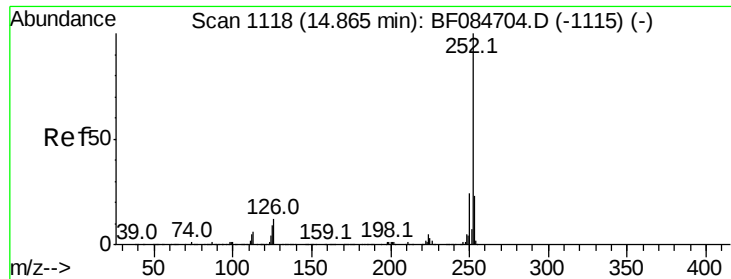
MMDadoda
2/3/2016 6:25:38 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.23 min Scan# 1150
Delta R.T. -0.02 min
Lab File: BF084759.D
Acq: 2 Feb 2016 21:27

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.4	29.2
265	21.3	17.8	26.6





#87

Benzo(b)fluoranthene

Concen: 51.30 ng m

RT: 14.84 min Scan# 1116

Delta R.T. -0.03 min

Lab File: BF084759.D

Acq: 2 Feb 2016 21:27

Instrument :

BNA_F

ClientSampleId :

IMPACT-PS-001MSD

Tot Ion:252 Resp: 1233286

Ion Ratio Lower Upper

252 100

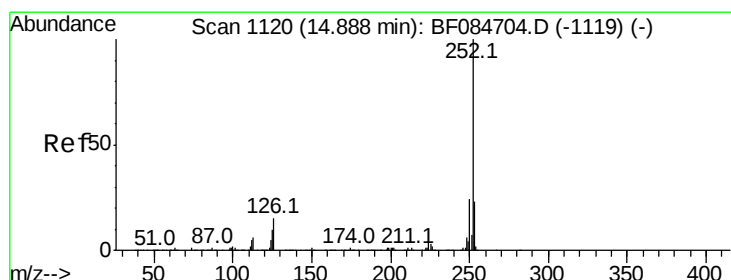
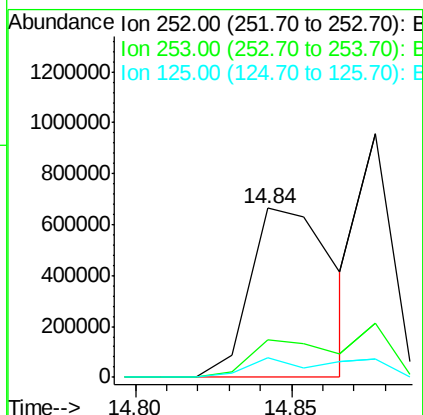
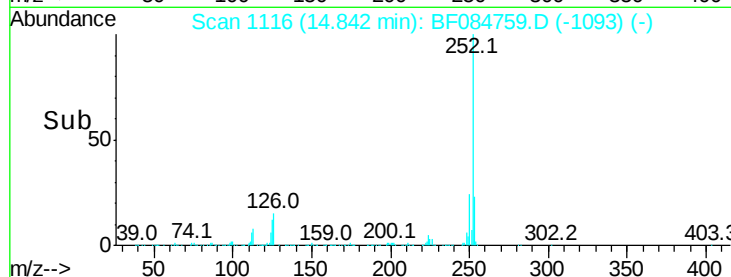
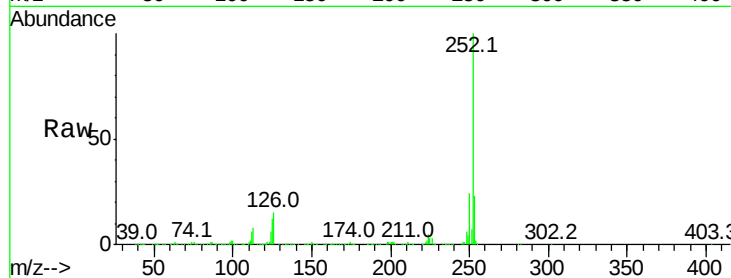
253 22.5 17.3 25.9

125 12.0 6.5 9.7#

Manual Integrations
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2/3/2016 6:25:38 PM



#88

Benzo(k)fluoranthene

Concen: 36.60 ng m

RT: 14.88 min Scan# 1119

Delta R.T. -0.02 min

Lab File: BF084759.D

Acq: 2 Feb 2016 21:27

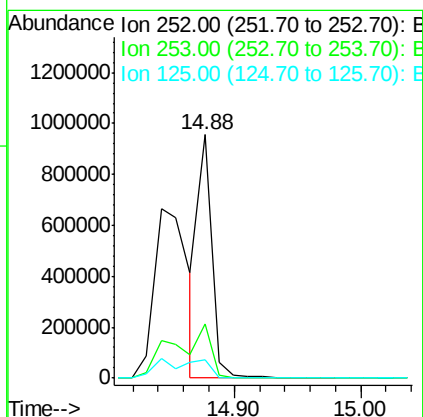
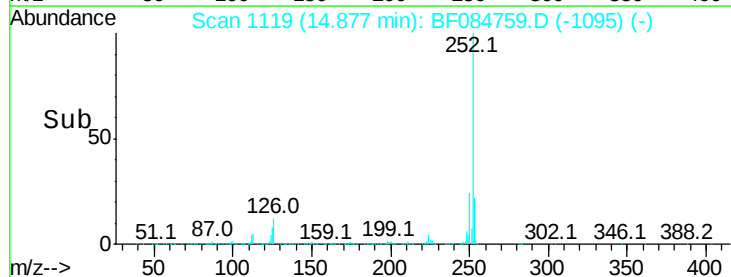
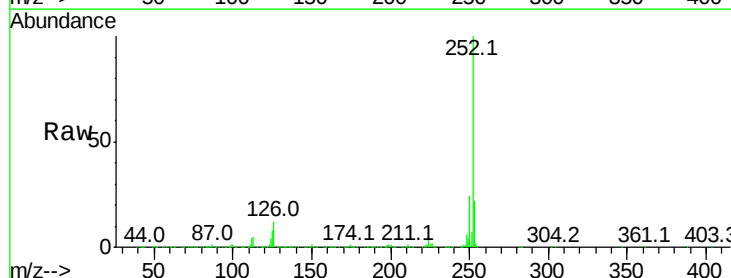
Tgt Ion:252 Resp: 727607

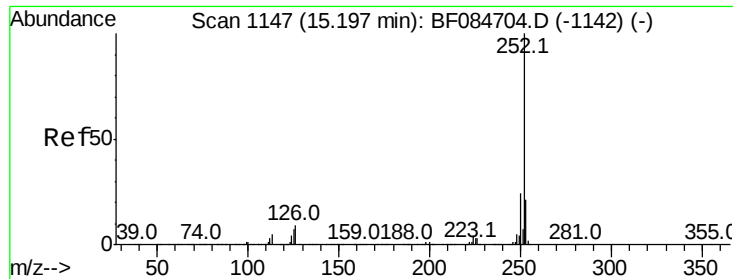
Ion Ratio Lower Upper

252 100

253 22.1 18.1 27.1

125 7.6 9.0 13.6#





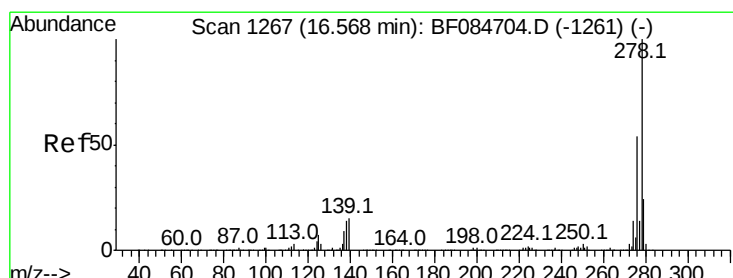
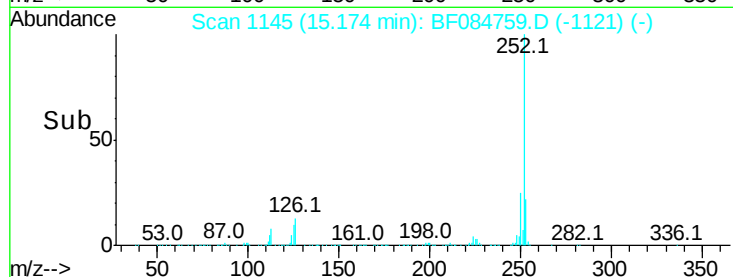
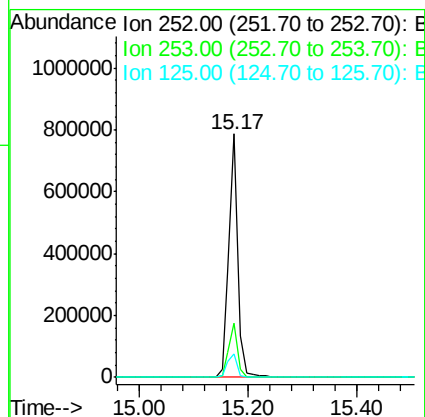
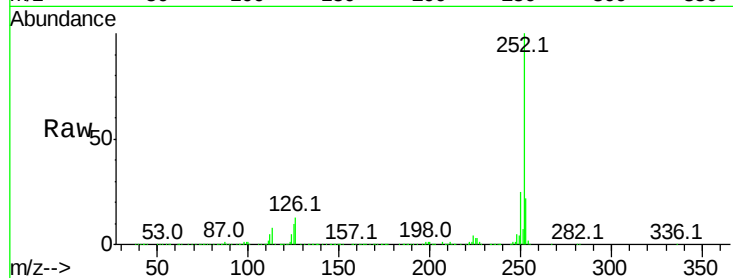
#89
Benzo(a)pyrene
Concen: 44.55 ng
RT: 15.17 min Scan# 1145
Delta R.T. -0.02 min
Lab File: BF084759.D
Acq: 2 Feb 2016 21:27

Instrument :
BNA_F
ClientSampleId :
IMPACT-PS-001MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.3	25.9
125	9.8	7.0	10.4

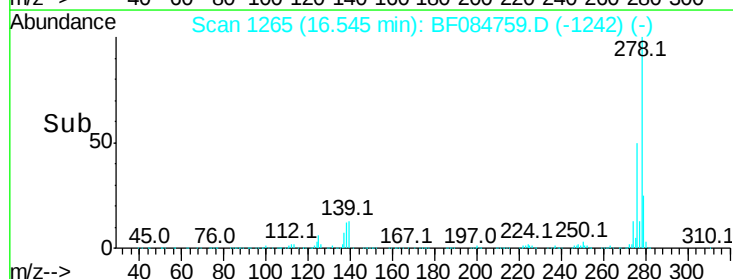
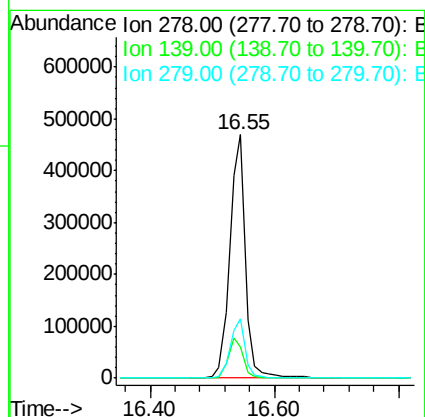
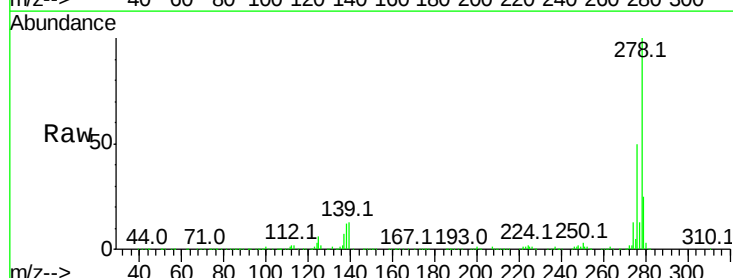
Manual Integrations
APPROVED

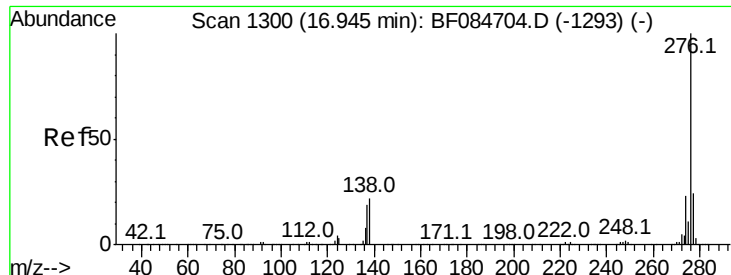
MMDadoda
2/3/2016 6:25:38 PM



#90
Dibenzo(a,h)anthracene
Concen: 47.26 ng
RT: 16.55 min Scan# 1265
Delta R.T. -0.03 min
Lab File: BF084759.D
Acq: 2 Feb 2016 21:27

Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.8	15.0	22.4#
279	24.5	18.9	28.3





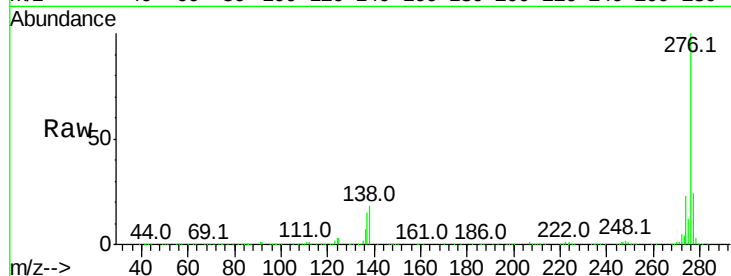
#91
 Benzo(a,h,i)perylene
 Concen: 49.08 ng
 RT: 16.92 min Scan# 1298
 Delta R.T. -0.03 min
 Lab File: BF084759.D
 Acq: 2 Feb 2016 21:27

Instrument :
 BNA_F
 ClientSampleId :
 IMPACT-PS-001MSD

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.7	18.8	28.2
138	18.4	17.8	26.6

Manual Integrations
 APPROVED

MMDadoda
 2/3/2016 6:25:38 PM



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

