

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020216\
 Data File : BF084755.D
 Acq On : 2 Feb 2016 19:36
 Operator : SJ/IZ
 Sample : PB88135BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB88135BS

Manual Integrations
 APPROVED

MMDadoda
 2/3/2016 6:25:39 PM

Quant Time: Feb 03 02:37:28 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	170074	20.00	ng	-0.03
21) Naphthalene-d8	7.98	136	702796	20.00	ng	-0.03
38) Acenaphthene-d10	9.73	164	333511	20.00	ng	-0.03
63) Phenanthrene-d10	11.22	188	657295	20.00	ng	-0.02
75) Chrysene-d12	13.85	240	467949	20.00	ng	-0.02
86) Perylene-d12	15.23	264	410492	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	1186933	108.70	ng	-0.01
7) Phenol-d6	6.35	99	1615928	119.38	ng	-0.02
23) Nitrobenzene-d5	7.28	82	1039901	83.35	ng	-0.02
41) 2,4,6-Tribromophenol	10.53	330	460288	132.31	ng	-0.02
44) 2-Fluorobiphenyl	9.07	172	1808333	95.10	ng	-0.02
78) Terphenyl-d14	12.81	244	1878189	90.95	ng	-0.02

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.26	88	139060	29.08	ng	# 72
3) Pyridine	2.92	79	448208	35.97	ng	# 75
4) n-Nitrosodimethylamine	2.88	42	243847	37.83	ng	82
6) Aniline	6.36	93	228422	13.79	ng	# 1
8) 2-Chlorophenol	6.49	128	492142	39.82	ng	97
9) Benzaldehyde	6.24	77	203470	25.45	ng	93
10) Phenol	6.36	94	495511	32.68	ng	# 73
11) bis(2-Chloroethyl)ether	6.44	93	442826m	37.45	ng	
12) 1,3-Dichlorobenzene	6.64	146	479156	36.69	ng	# 95
13) 1,4-Dichlorobenzene	6.72	146	496809	38.06	ng	95
14) 1,2-Dichlorobenzene	6.86	146	424005	34.87	ng	95
15) Benzyl Alcohol	6.85	79	367978	39.37	ng	90
16) 2,2'-oxybis(1-Chloropropan	6.99	45	721484	36.27	ng	87
17) 2-Methylphenol	6.98	107	399383	40.86	ng	# 94
18) Hexachloroethane	7.21	117	185383	36.88	ng	95
19) n-Nitroso-di-n-propylamine	7.13	70	343280	40.46	ng	# 78
20) 3+4-Methylphenols	7.13	107	483555	39.86	ng	# 80
22) Acetophenone	7.12	105	663498	35.82	ng	99
24) Nitrobenzene	7.29	77	470040	35.18	ng	97
25) Isophorone	7.53	82	899507	37.08	ng	97
26) 2-Nitrophenol	7.61	139	263696	40.02	ng	# 90
27) 2,4-Dimethylphenol	7.65	122	423442	36.95	ng	96
28) bis(2-Chloroethoxy)methane	7.74	93	534838	37.16	ng	99
29) 2,4-Dichlorophenol	7.86	162	387467	39.51	ng	93
30) 1,2,4-Trichlorobenzene	7.93	180	400540	36.16	ng	96
31) Naphthalene	8.01	128	1297387	36.80	ng	99
32) Benzoic acid	7.79	122	256017	34.92	ng	94
33) 4-Chloroaniline	8.06	127	112907	7.74	ng	95
34) Hexachlorobutadiene	8.13	225	245747	38.48	ng	99
35) Caprolactam	8.44	113	128178m	42.41	ng	
36) 4-Chloro-3-methylphenol	8.57	107	479129	42.83	ng	98
37) 2-Methylnaphthalene	8.70	142	954559	43.26	ng	99
39) 1,2,4,5-Tetrachlorobenzene	8.86	216	358218	33.82	ng	98
40) Hexachlorocyclopentadiene	8.85	237	364880	78.60	ng	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.99	196	271545	39.79	nq	92
43) 2,4,5-Trichlorophenol	9.04	196	277742	40.06	nq	93
45) 1,1'-Biphenyl	9.16	154	1066865	35.81	nq	98
46) 2-Chloronaphthalene	9.18	162	781128	35.61	nq	96
47) 2-Nitroaniline	9.29	65	249380	35.90	nq	98
48) Acenaphthylene	9.61	152	1274432	38.28	nq	99
49) Dimethylphthalate	9.48	163	1027873	40.46	nq	# 91
50) 2,6-Dinitrotoluene	9.54	165	238529	42.99	nq	96
51) Acenaphthene	9.77	154	824130	38.05	nq	97
52) 3-Nitroaniline	9.70	138	65702	10.54	nq	# 89
53) 2,4-Dinitrophenol	9.81	184	228521	88.56	nq	# 86
54) Dibenzofuran	9.95	168	1194114	45.11	nq	100
55) 4-Nitrophenol	9.88	139	293567	64.06	nq	# 77
56) 2,4-Dinitrotoluene	9.94	165	286933	40.54	nq	# 82
57) Fluorene	10.28	166	864555	39.11	nq	99
58) 2,3,4,6-Tetrachlorophenol	10.06	232	232090	43.97	nq	91
59) Diethylphthalate	10.18	149	1032781	41.64	nq	96
60) 4-Chlorophenyl-phenylether	10.28	204	407500	43.66	nq	97
61) 4-Nitroaniline	10.32	138	213922	35.21	nq	92
62) Azobenzene	10.44	77	1072626	44.97	nq	91
64) 4,6-Dinitro-2-methylphenol	10.35	198	171372	42.24	nq	80
65) n-Nitrosodiphenylamine	10.41	169	878822	42.11	nq	98
66) 4-Bromophenyl-phenylether	10.77	248	291707	40.18	nq	99
67) Hexachlorobenzene	10.83	284	286753	36.25	nq	# 87
68) Atrazine	10.93	200	247826	37.60	nq	97
69) Pentachlorophenol	11.04	266	293760	79.02	nq	98
70) Phenanthrene	11.24	178	1309591	35.92	nq	98
71) Anthracene	11.30	178	1489632	40.55	nq	100
72) Carbazole	11.46	167	1318860	41.17	nq	97
73) Di-n-butylphthalate	11.79	149	1429839	35.06	nq	# 96
74) Fluoranthene	12.43	202	1501255	40.69	nq	93
76) Benzidine	12.56	184	321448	20.97	nq	98
77) Pyrene	12.65	202	1471620	41.08	nq	99
79) Butylbenzylphthalate	13.29	149	676788	41.64	nq	# 84
80) Benzo(a)anthracene	13.84	228	1169135	40.25	nq	98
81) 3,3'-Dichlorobenzidine	13.80	252	176076	17.12	nq	# 96
82) Chrysene	13.88	228	1104165	39.21	nq	100
83) Bis(2-ethylhexyl)phthalate	13.85	149	829529	41.01	nq	# 96
84) Di-n-octyl phthalate	14.45	149	1276120	38.24	nq	# 89
85) Indeno(1,2,3-cd)pyrene	16.52	276	889725	40.13	nq	99
87) Benzo(b)fluoranthene	14.84	252	1258318m	45.62	nq	
88) Benzo(k)fluoranthene	14.88	252	725938m	31.83	nq	
89) Benzo(a)pyrene	15.17	252	924987	39.36	nq	98
90) Dibenzo(a,h)anthracene	16.53	278	732895	37.05	nq	98
91) Benzo(g,h,i)perylene	16.91	276	742957	37.28	nq	99

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

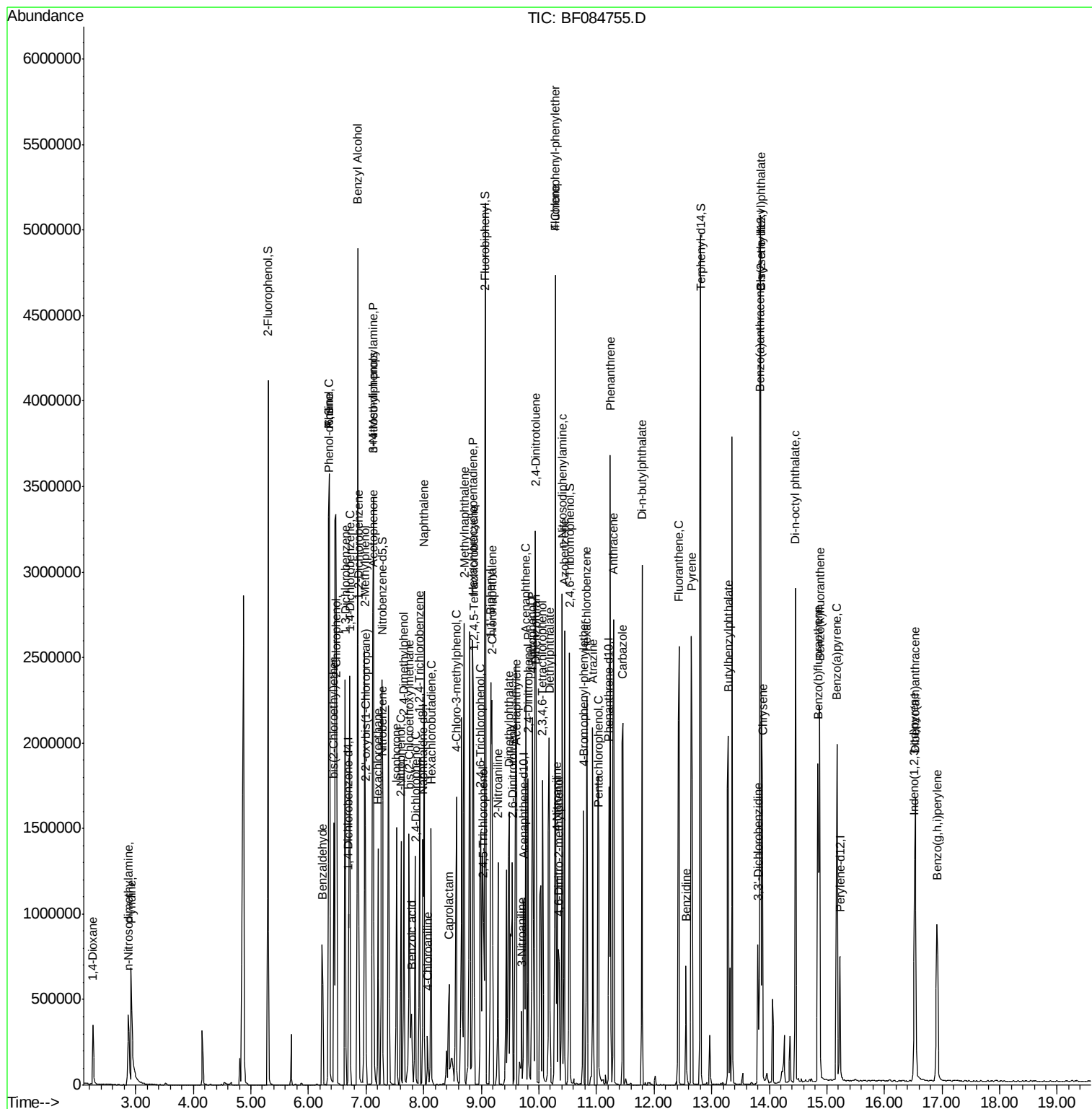
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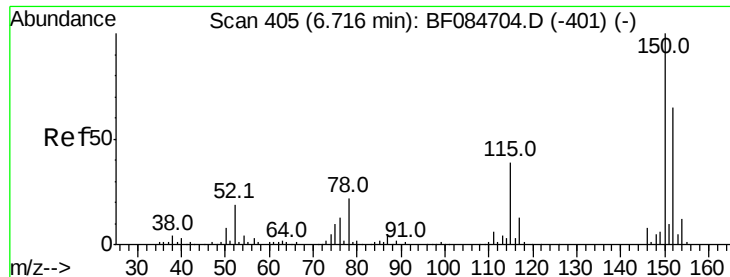
Instrument :
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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.69 min Scan# 403

Delta R.T. -0.03 min

Lab File: BF084755.D

Acq: 2 Feb 2016 19:36

Instrument :

BNA_F

ClientSampleId :

PB88135BS

Tot Ion:152 Resp: 170074

Ion Ratio Lower Upper

152 100

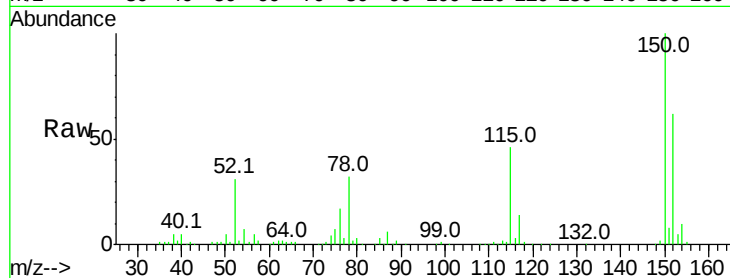
150 160.9 123.0 184.4

115 73.8 51.4 77.2

Manual Integrations
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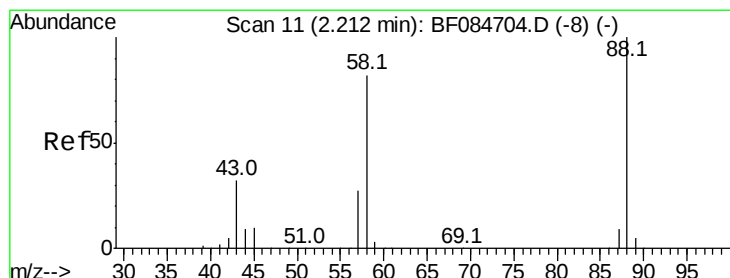
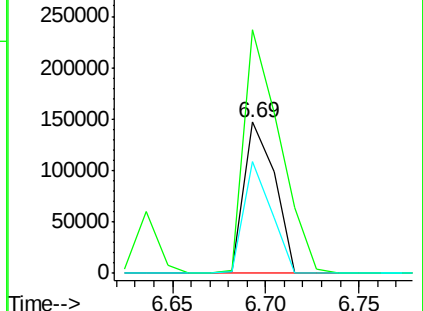
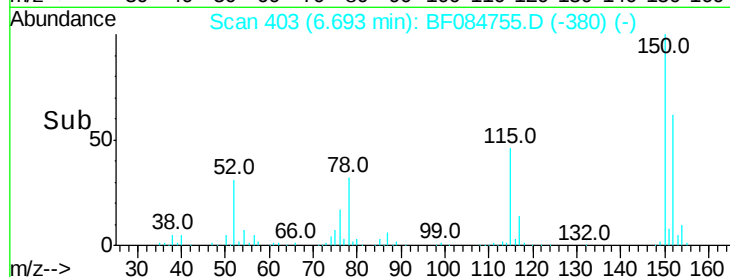
2/3/2016 6:25:39 PM



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: 29.08 ng

RT: 2.26 min Scan# 15

Delta R.T. 0.03 min

Lab File: BF084755.D

Acq: 2 Feb 2016 19:36

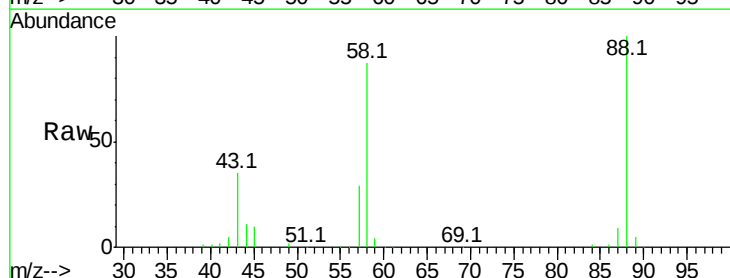
Tgt Ion: 88 Resp: 139060

Ion Ratio Lower Upper

88 100

58 87.1 51.2 76.8#

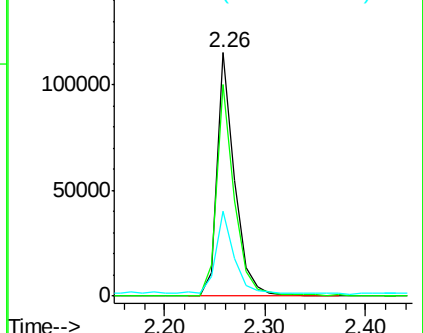
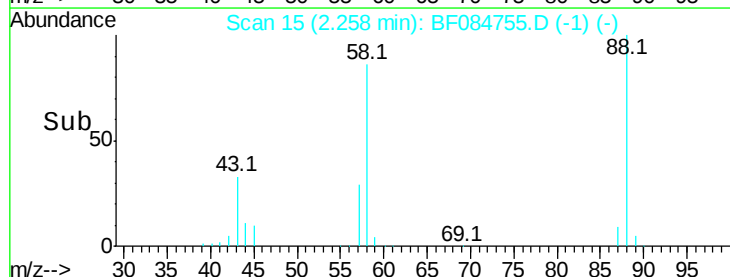
43 35.4 19.5 29.3#

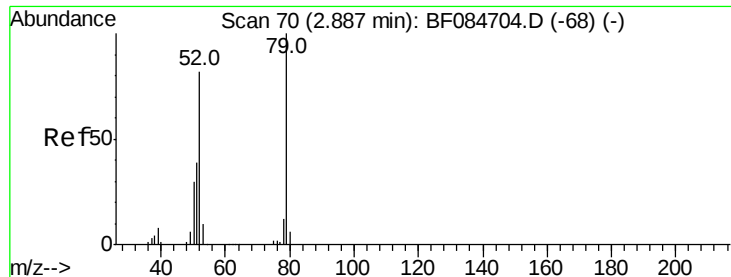


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pvridine

Concen: 35.97 ng

RT: 2.92 min Scan# 73

Delta R.T. 0.01 min

Lab File: BF084755.D

Acq: 2 Feb 2016 19:36

Instrument :

BNA_F

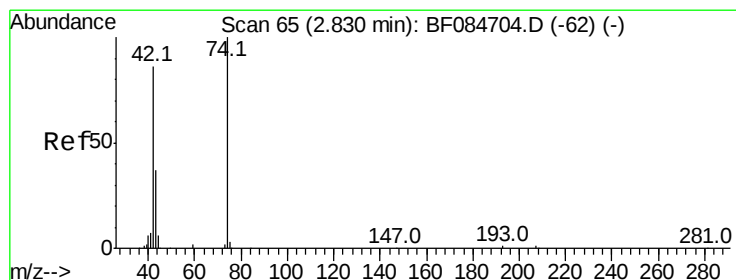
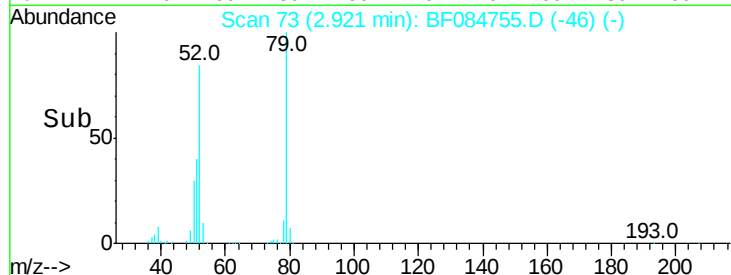
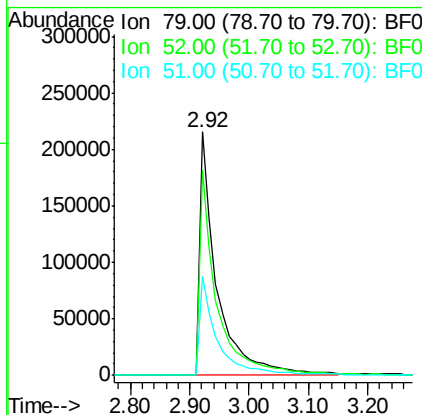
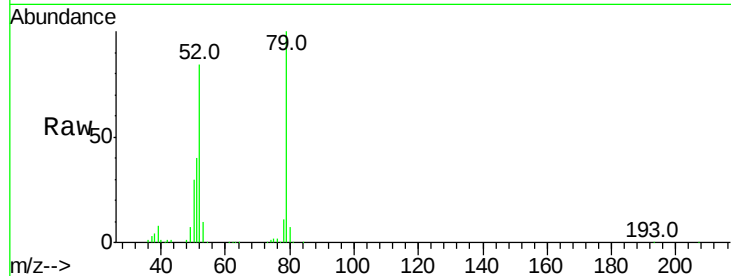
ClientSampled :

PB88135BS

Tot Ion:	79	Resp:	448208
Ion Ratio	Lower	Upper	
79	100		
52	84.1	49.0	73.4#
51	40.4	25.2	37.8#

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#4

n-Nitrosodimethylamine

Concen: 37.83 ng

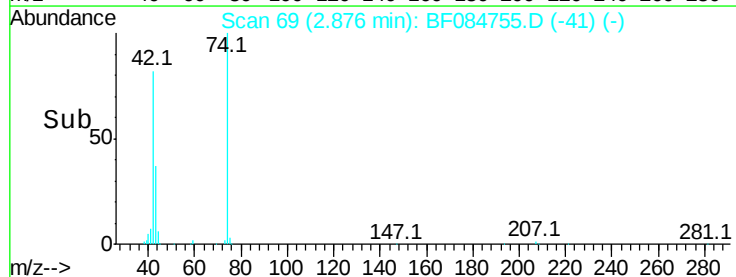
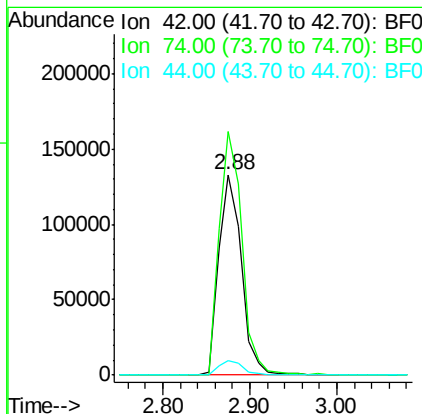
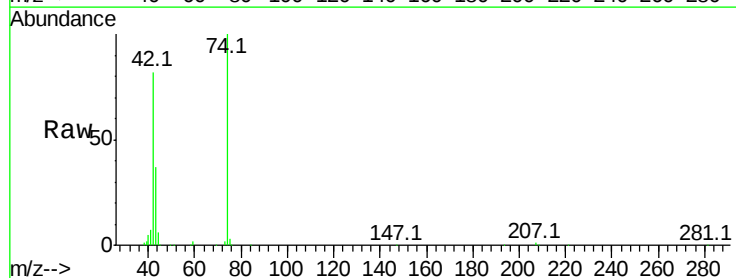
RT: 2.88 min Scan# 69

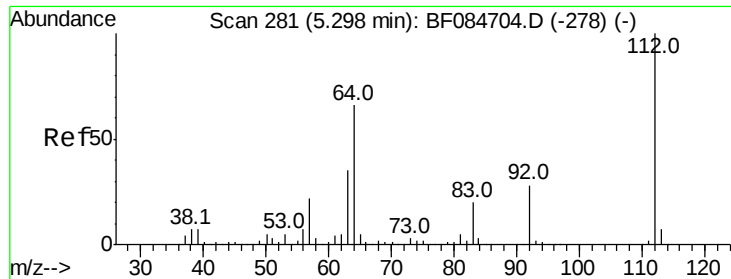
Delta R.T. 0.02 min

Lab File: BF084755.D

Acq: 2 Feb 2016 19:36

Tgt Ion:	42	Resp:	243847
Ion Ratio	Lower	Upper	
42	100		
74	121.6	115.7	173.5
44	7.1	5.1	7.7





#5

2-Fluorophenol

Concen: 108.70 ng

RT: 5.30 min Scan# 281

Delta R.T. -0.01 min

Lab File: BF084755.D

Acq: 2 Feb 2016 19:36

Instrument :

BNA_F

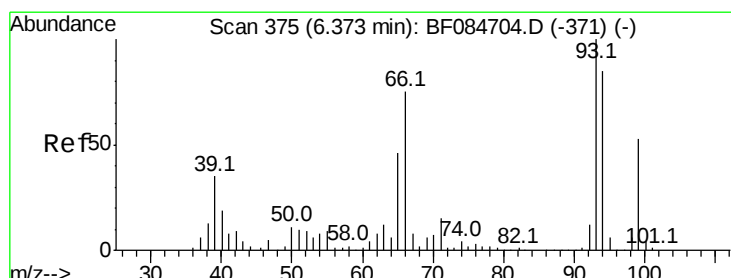
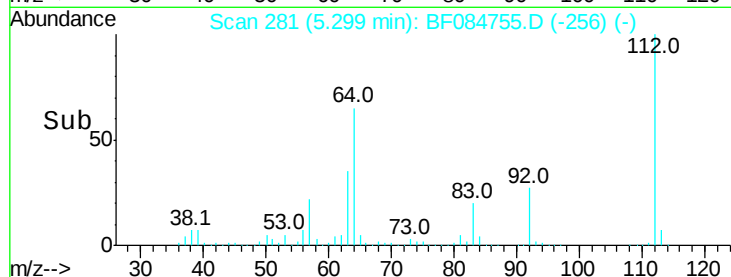
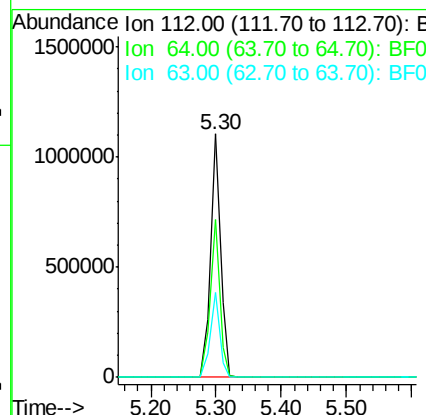
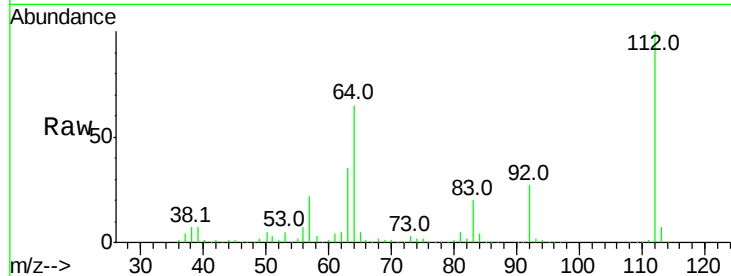
ClientSampled :

PB88135BS

Tot Ion:	112	Resp:	1186933
Ion Ratio	Lower	Upper	
112	100		
64	64.6	36.6	55.0#
63	34.8	19.4	29.0#

Manual Integrations
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#6

Aniline

Concen: 13.79 ng

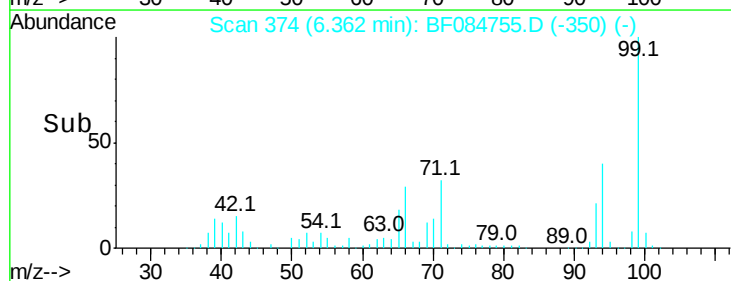
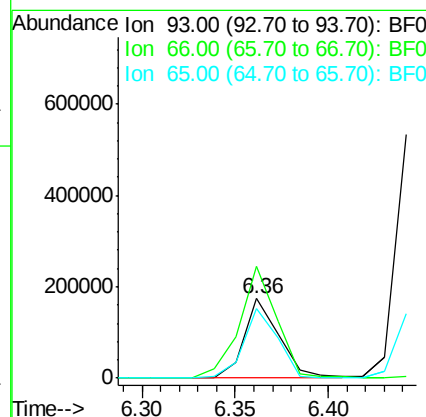
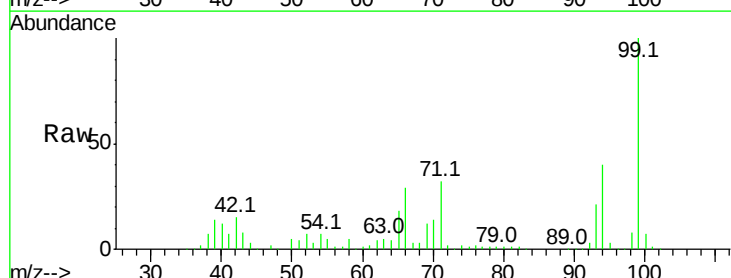
RT: 6.36 min Scan# 374

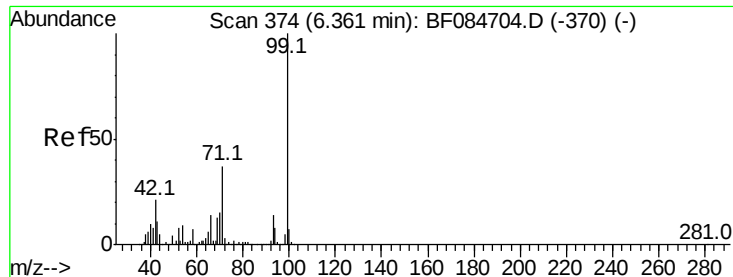
Delta R.T. -0.02 min

Lab File: BF084755.D

Acq: 2 Feb 2016 19:36

Tgt Ion:	93	Resp:	228422
Ion Ratio	Lower	Upper	
93	100		
66	139.4	44.9	67.3#
65	87.0	23.7	35.5#





#7

Phenol-d6

Concen: 119.38 ng

RT: 6.35 min Scan# 373

Delta R.T. -0.02 min

Lab File: BF084755.D

Acq: 2 Feb 2016 19:36

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Tot Ion: 99 Resp: 1615928

Ion Ratio Lower Upper

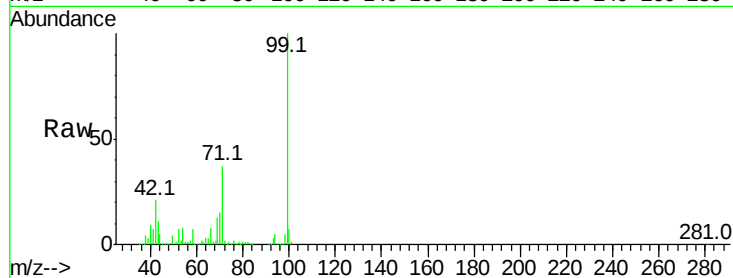
99 100

42 20.5 12.8 19.2#

71 36.8 30.9 46.3

Manual Integrations
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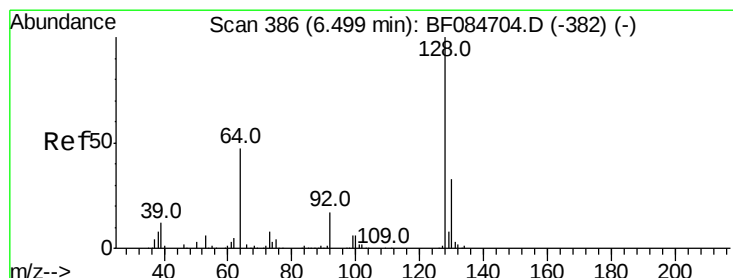
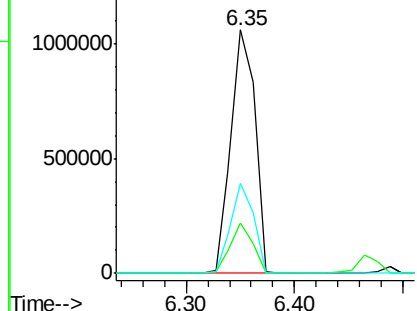
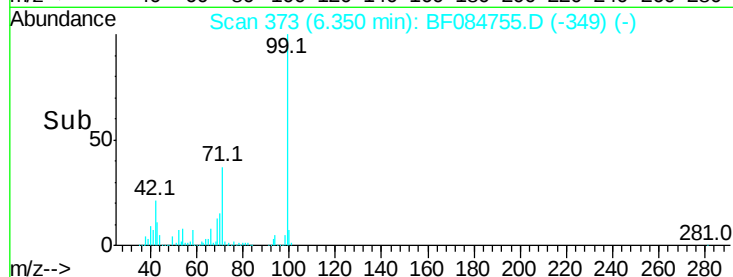
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Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 39.82 ng

RT: 6.49 min Scan# 385

Delta R.T. -0.02 min

Lab File: BF084755.D

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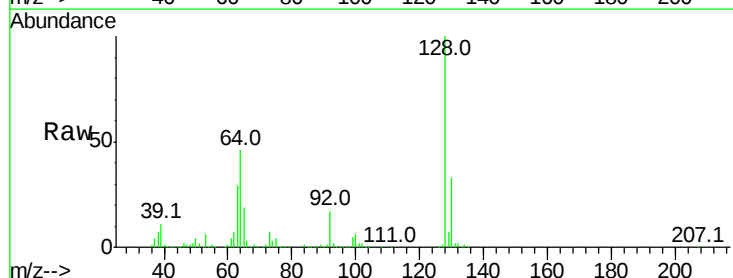
Tgt Ion:128 Resp: 492142

Ion Ratio Lower Upper

128 100

130 32.8 11.6 51.6

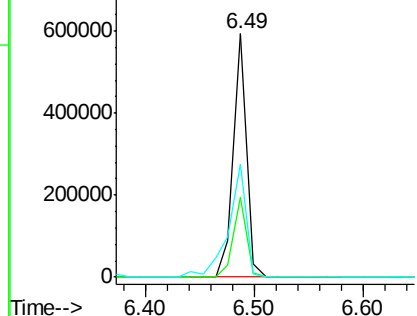
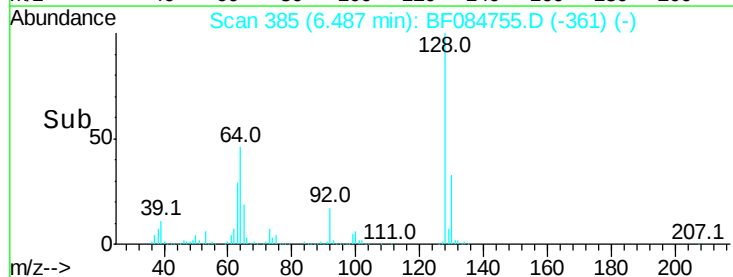
64 46.5 23.8 63.8

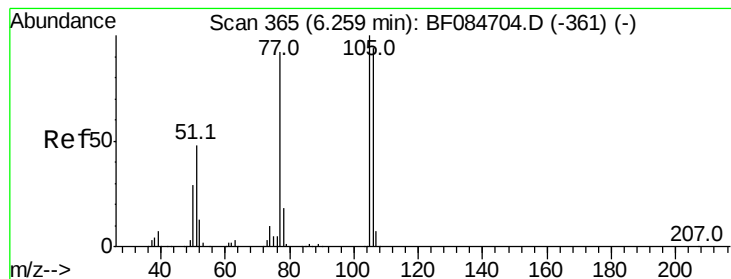


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 25.45 ng

RT: 6.24 min Scan# 363

Delta R.T. -0.03 min

Lab File: BF084755.D

Acq: 2 Feb 2016 19:36

Instrument :

BNA_F

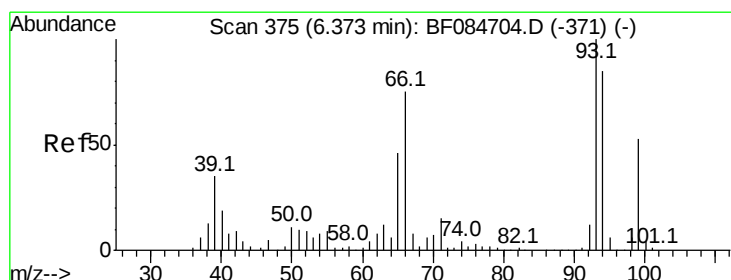
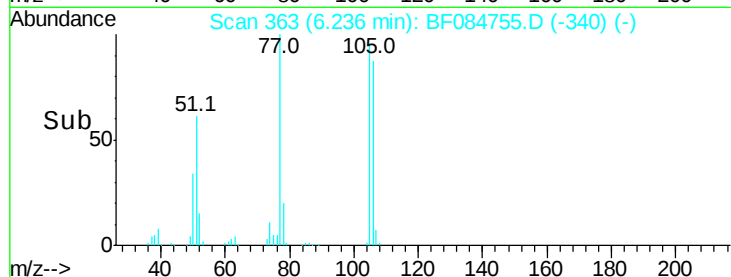
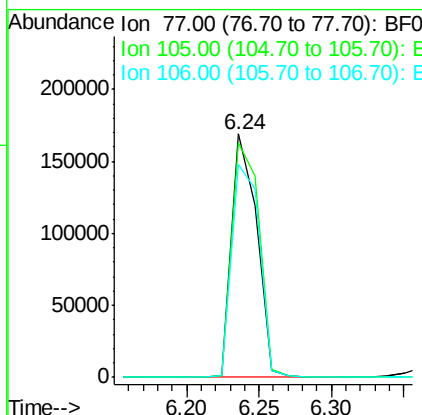
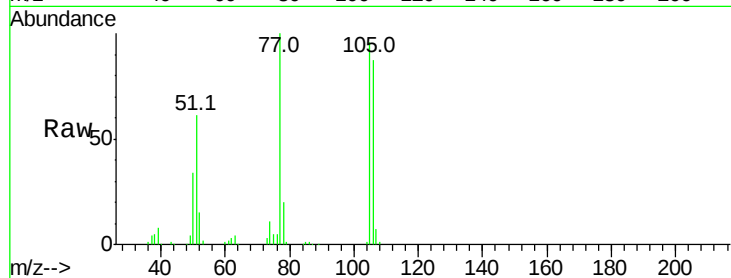
ClientSampleId :

PB88135BS

Tot Ion	Ratio	Lower	Upper
77	100		
105	96.3	83.0	123.0
106	87.4	74.6	114.6

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#10

Phenol

Concen: 32.68 ng

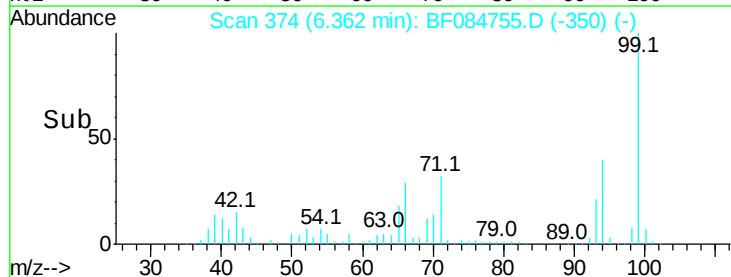
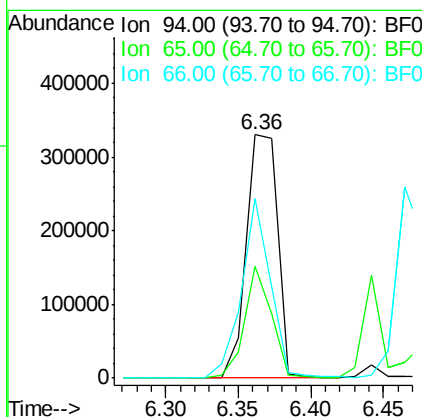
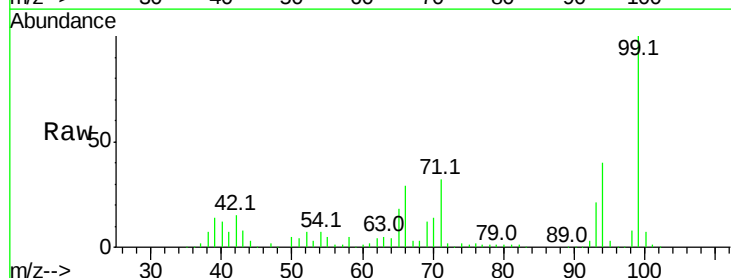
RT: 6.36 min Scan# 374

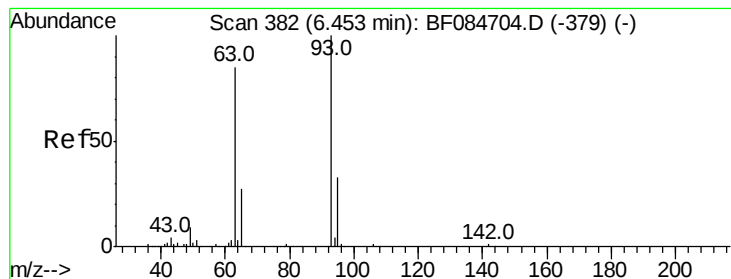
Delta R.T. -0.02 min

Lab File: BF084755.D

Acq: 2 Feb 2016 19:36

Tgt Ion	Ratio	Lower	Upper
94	100		
65	46.0	12.9	52.9
66	73.7	32.7	72.7





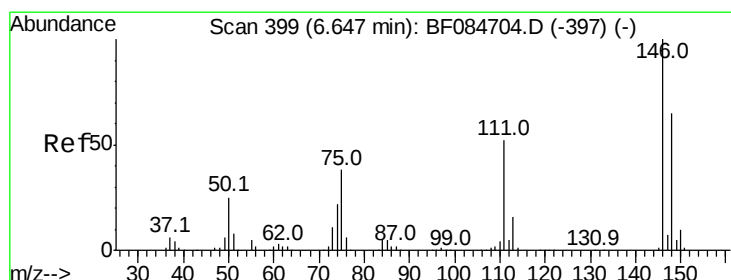
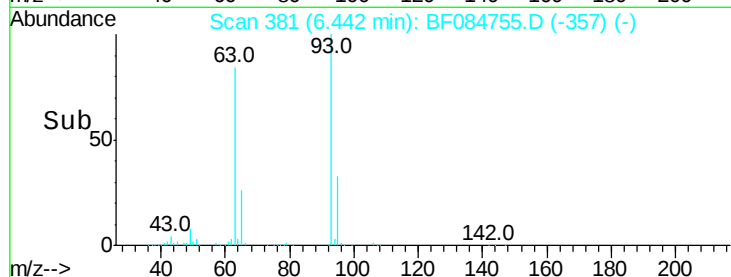
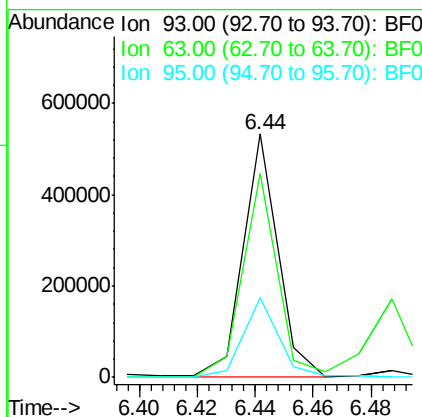
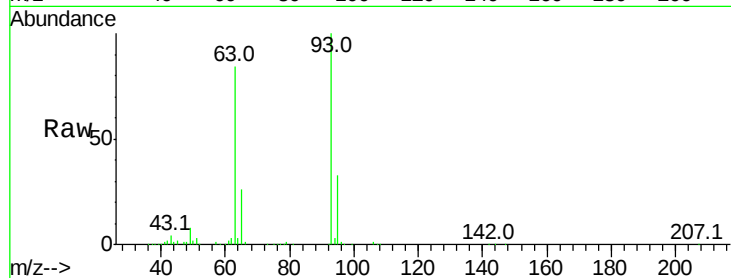
#11
bis(2-Chloroethyl)ether
Concen: 37.45 ng/ml
RT: 6.44 min Scan# 381
Delta R.T. -0.02 min
Lab File: BF084755.D
Acq: 2 Feb 2016 19:36

Instrument :
BNA_F
ClientSampleId :
PB88135BS

Tot Ion	Ratio	Resp	Lower	Upper
93	100			
63	83.8	45.9	85.9	
95	32.5	12.3	52.3	

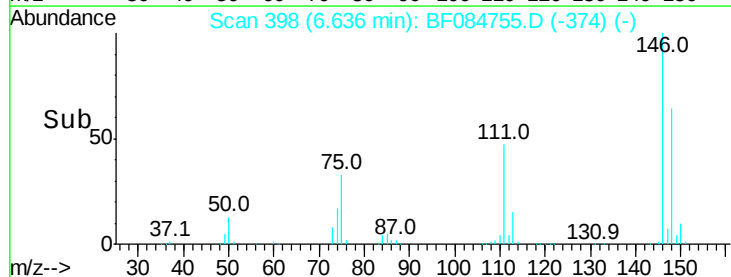
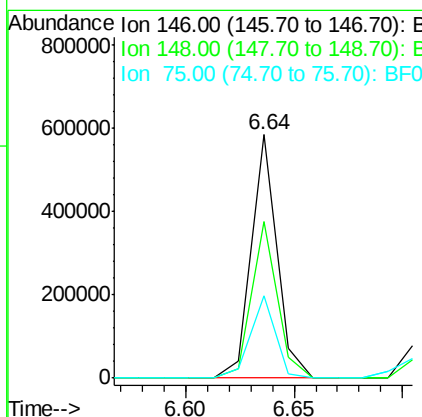
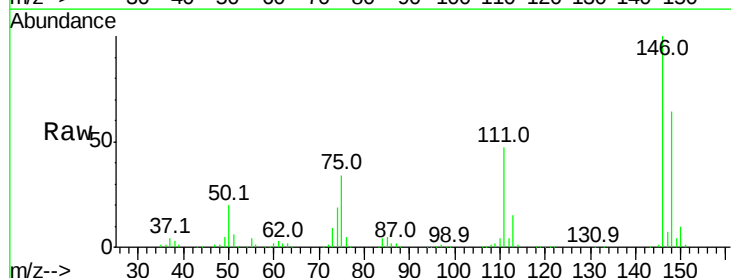
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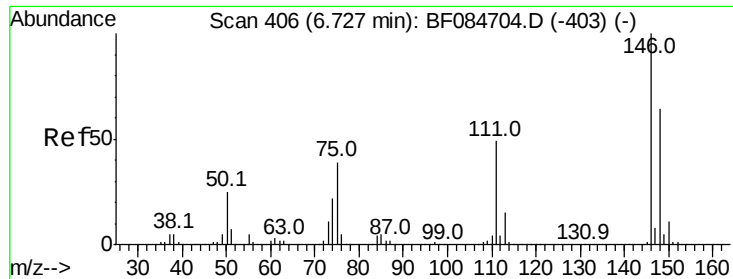
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#12
1,3-Dichlorobenzene
Concen: 36.69 ng/ml
RT: 6.64 min Scan# 398
Delta R.T. -0.02 min
Lab File: BF084755.D
Acq: 2 Feb 2016 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
148	64.1	51.9	77.9	
75	34.0	20.5	30.7	





#13

1,4-Dichlorobenzene

Concen: 38.06 ng

RT: 6.72 min Scan# 405

Delta R.T. -0.02 min

Lab File: BF084755.D

Acq: 2 Feb 2016 19:36

Instrument :

BNA_F

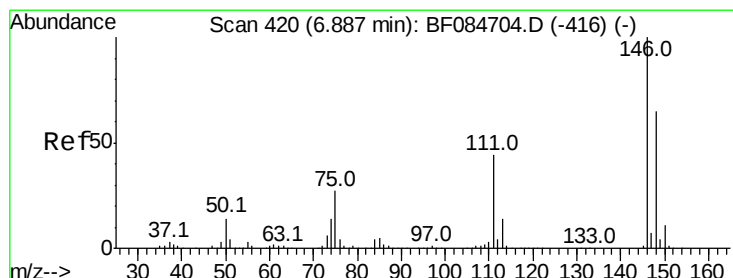
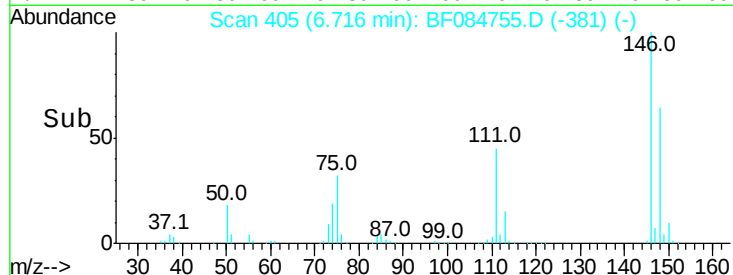
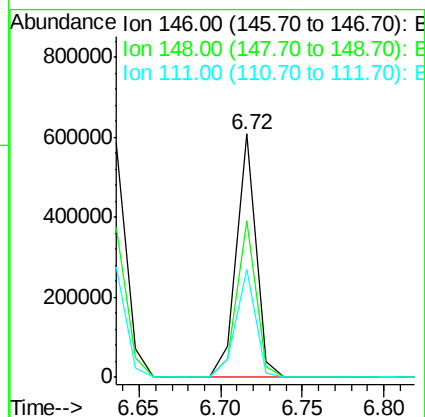
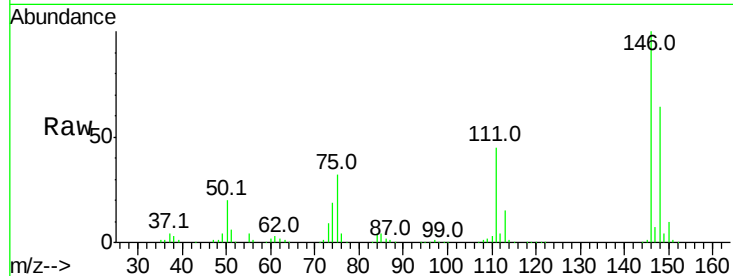
ClientSampleId :

PB88135BS

Tot Ion:	146	Resp:	496809
Ion Ratio	Lower	Upper	
146	100		
148	64.2	51.9	77.9
111	44.5	41.6	62.4

Manual Integrations
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#14

1,2-Dichlorobenzene

Concen: 34.87 ng

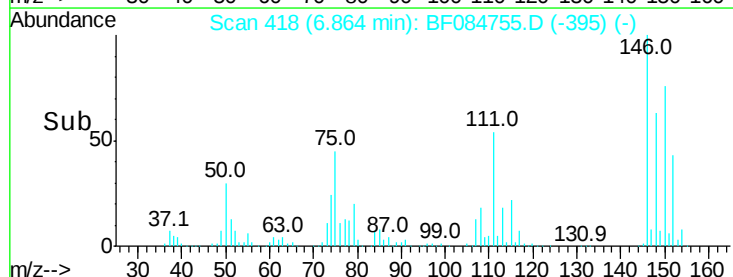
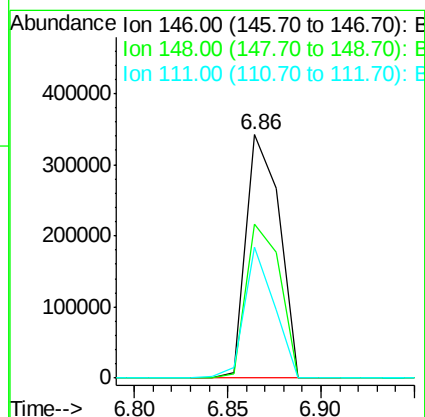
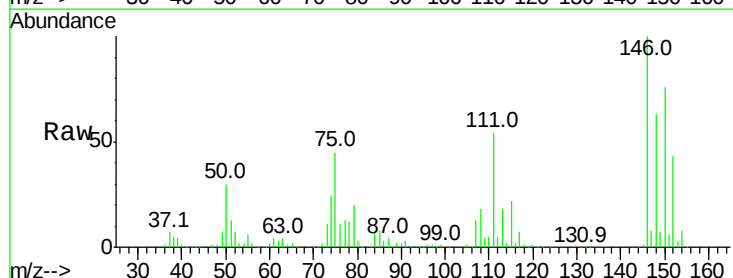
RT: 6.86 min Scan# 418

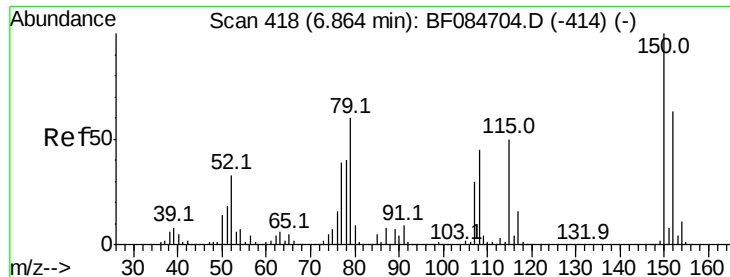
Delta R.T. -0.03 min

Lab File: BF084755.D

Acq: 2 Feb 2016 19:36

Tgt Ion:	146	Resp:	424005
Ion Ratio	Lower	Upper	
146	100		
148	63.4	51.6	77.4
111	53.9	38.0	57.0





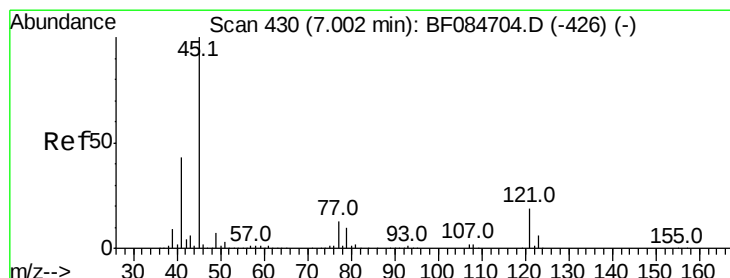
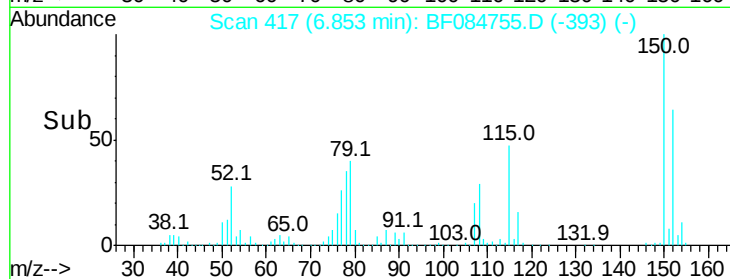
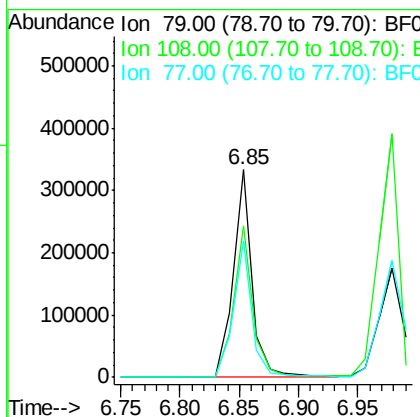
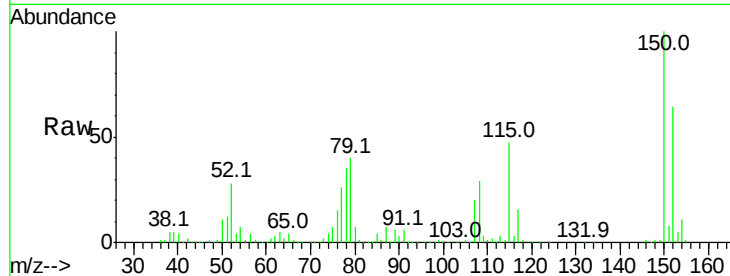
#15
Benzyl Alcohol
Concen: 39.37 ng
RT: 6.85 min Scan# 417
Delta R.T. -0.02 min
Lab File: BF084755.D
Acq: 2 Feb 2016 19:36

Instrument :
BNA_F
ClientSampled :
PB88135BS

Tot Ion	Ratio	Lower	Upper
79	100		
108	72.9	69.0	103.4
77	65.3	50.0	75.0

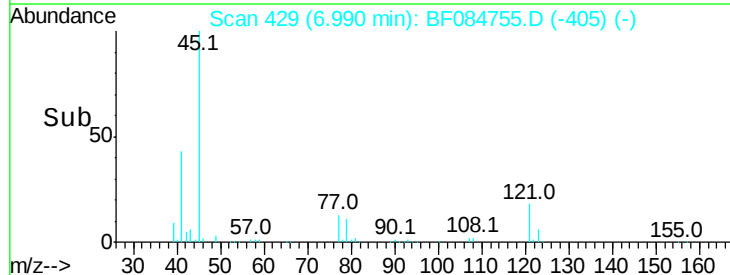
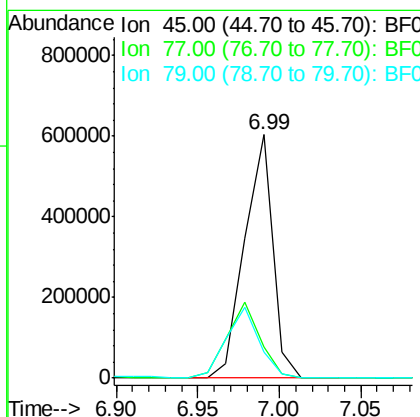
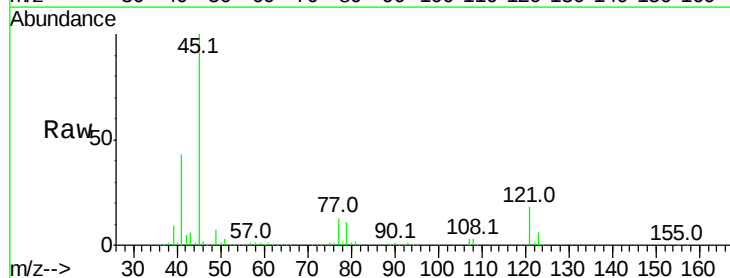
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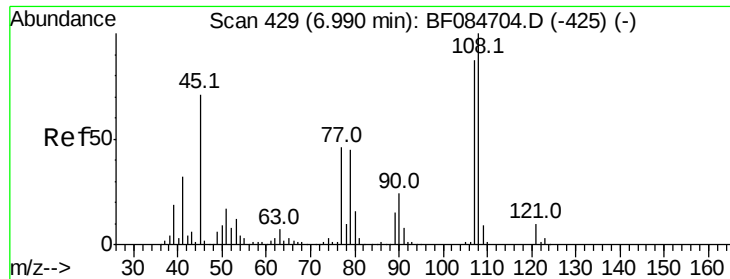
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.27 ng
RT: 6.99 min Scan# 429
Delta R.T. -0.02 min
Lab File: BF084755.D
Acq: 2 Feb 2016 19:36

Tgt Ion	Ratio	Lower	Upper
45	100		
77	12.8	0.0	39.6
79	10.8	0.0	35.0





#17

2-Methylphenol

Concen: 40.86 ng

RT: 6.98 min Scan# 428

Delta R.T. -0.02 min

Lab File: BF084755.D

Acq: 2 Feb 2016 19:36

Instrument :

BNA_F

ClientSampleId :

PB88135BS

Tot Ion:107 Resp: 399383
Ion Ratio Lower Upper

107 100

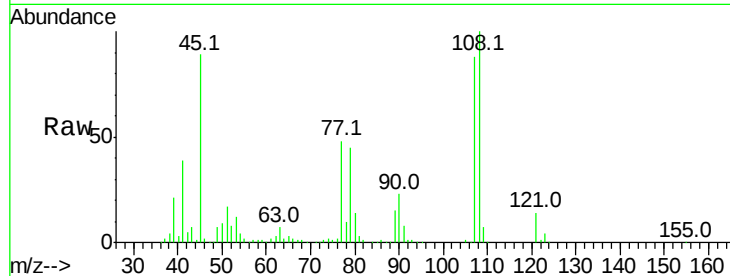
108 113.8 89.8 134.6

77 54.5 35.7 53.5#

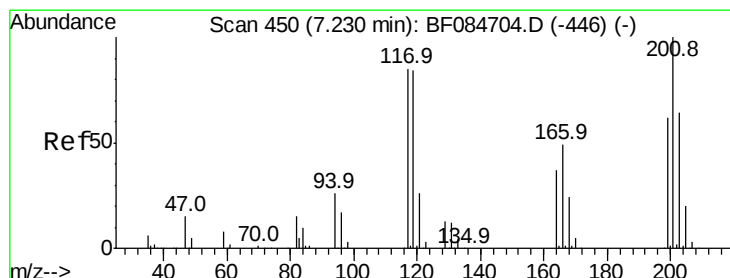
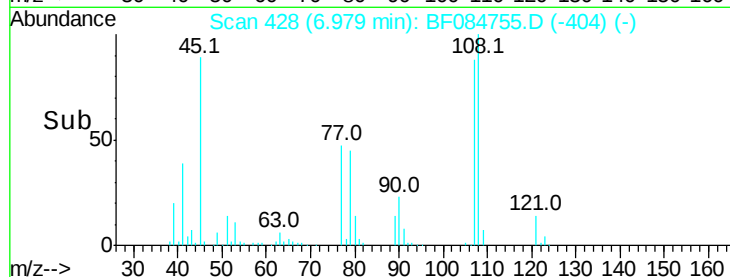
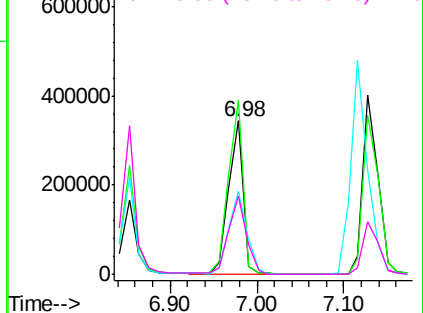
79 51.3 35.7 53.5

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Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0



#18

Hexachloroethane

Concen: 36.88 ng

RT: 7.21 min Scan# 448

Delta R.T. -0.03 min

Lab File: BF084755.D

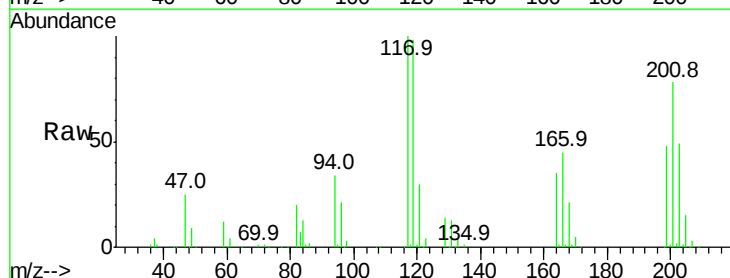
Acq: 2 Feb 2016 19:36

Tgt Ion:117 Resp: 185383
Ion Ratio Lower Upper

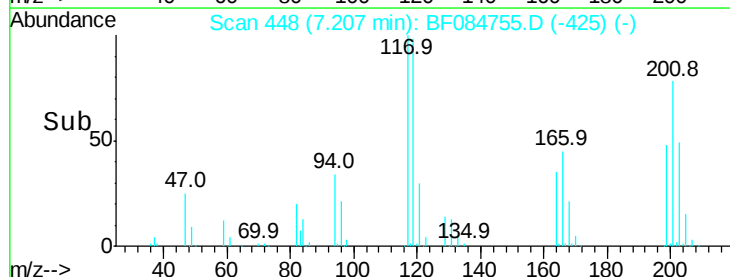
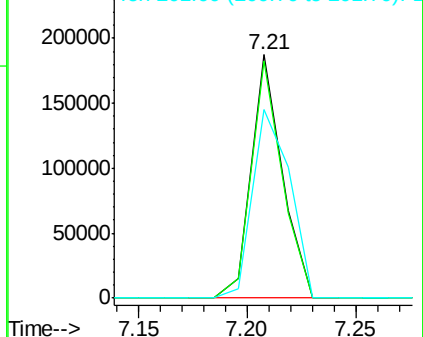
117 100

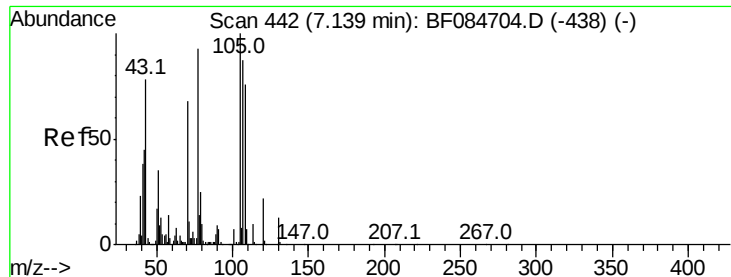
119 97.5 77.4 116.0

201 77.5 68.6 103.0



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E





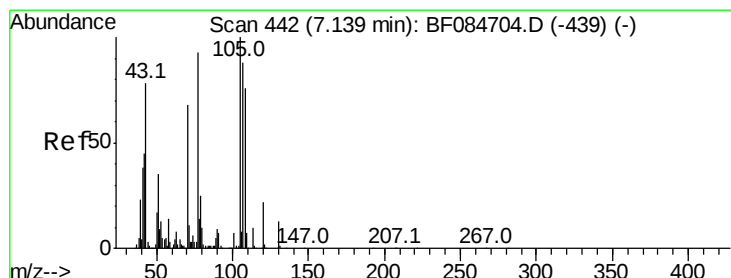
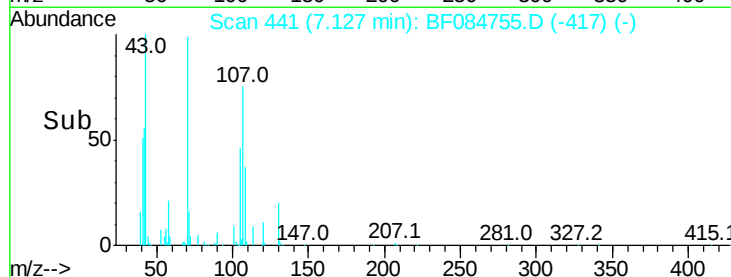
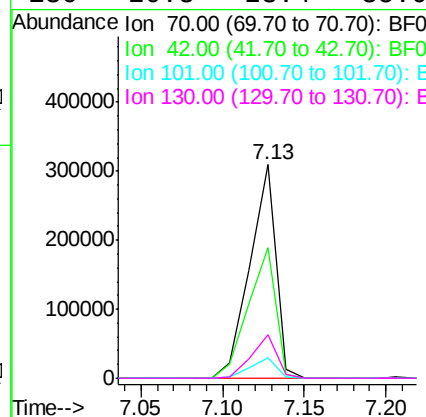
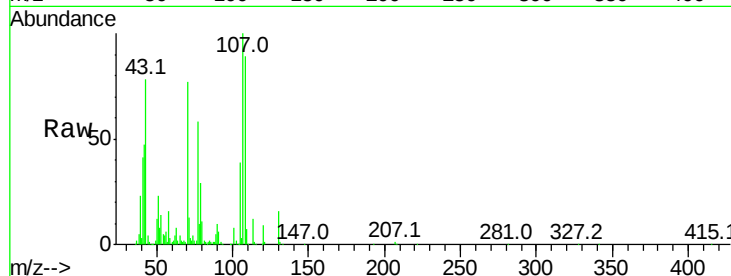
#19
n-Nitroso-di-n-propylamine
Concen: 40.46 ng
RT: 7.13 min Scan# 441
Delta R.T. -0.02 min
Lab File: BF084755.D
Acq: 2 Feb 2016 19:36

Instrument :
BNA_F
ClientSampleId :
PB88135BS

Tot Ion	Ratio	Lower	Upper
70	100		
42	61.1	33.3	49.9#
101	9.8	9.3	13.9
130	20.3	23.4	35.0#

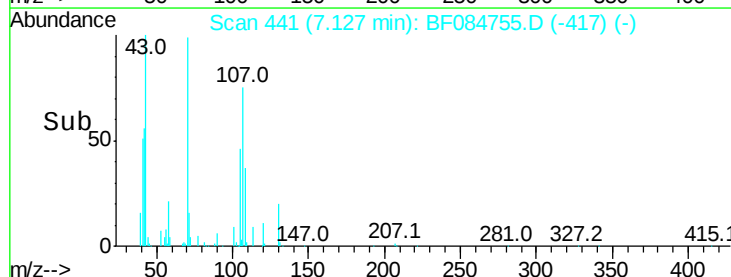
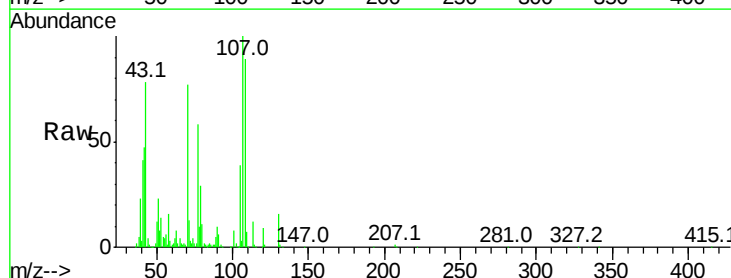
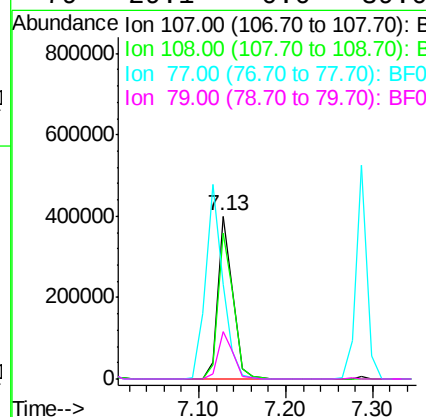
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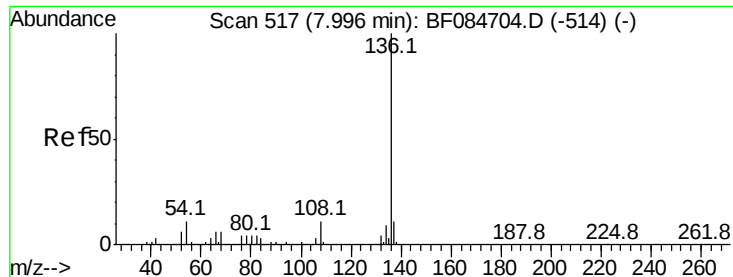
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#20
3+4-Methylphenols
Concen: 39.86 ng
RT: 7.13 min Scan# 441
Delta R.T. -0.02 min
Lab File: BF084755.D
Acq: 2 Feb 2016 19:36

Tgt Ion	Ratio	Lower	Upper
107	100		
108	89.1	74.6	114.6
77	58.4	0.7	40.7#
79	29.1	0.0	39.0





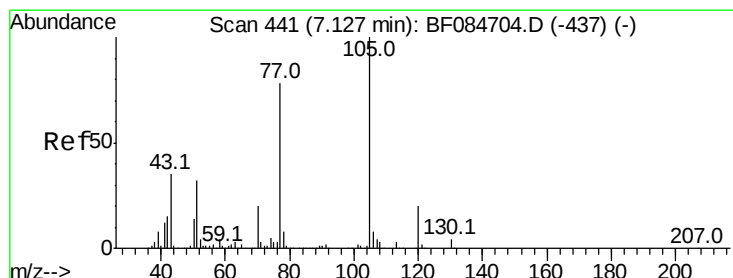
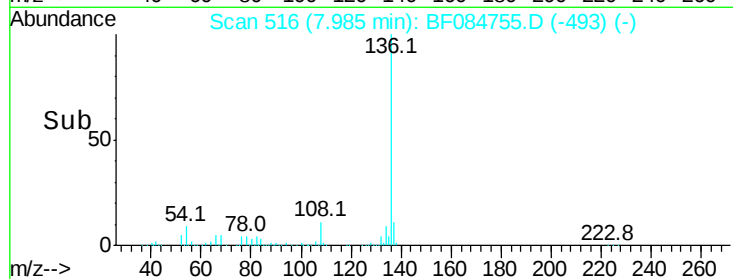
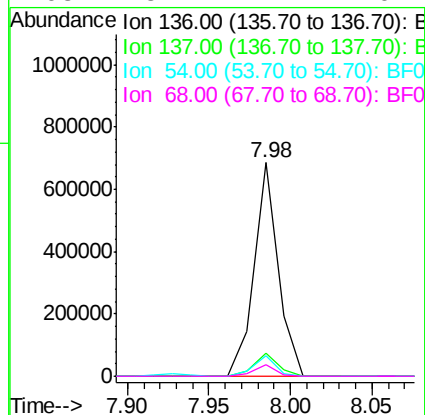
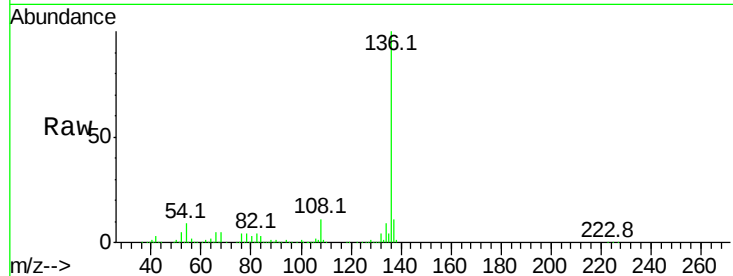
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.98 min Scan# 516
Delta R.T. -0.03 min
Lab File: BF084755.D
Acq: 2 Feb 2016 19:36

Instrument :
BNA_F
ClientSampleId :
PB88135BS

Tot Ion	Ratio	Resp	Lower	Upper
136	100	702796		
137	10.8	8.7	13.1	
54	9.4	5.8	8.8	
68	5.2	4.2	6.2	

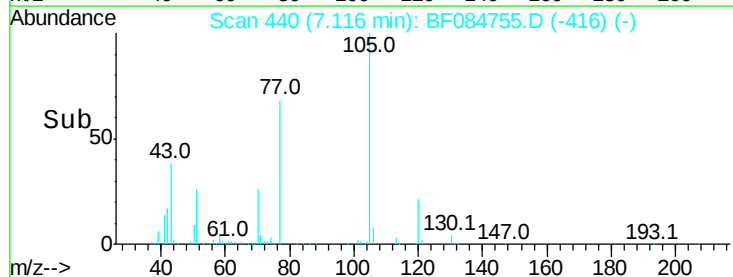
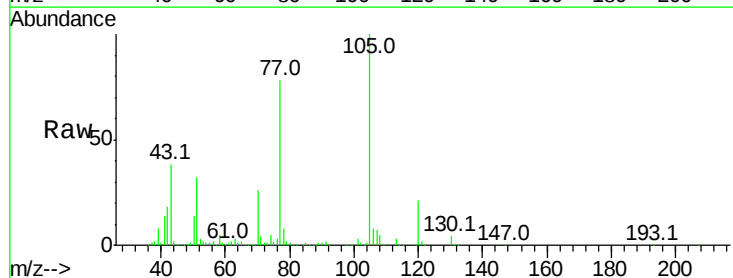
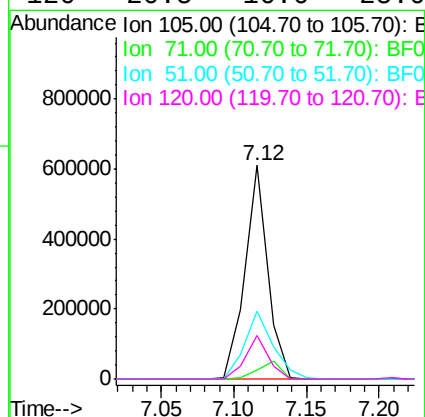
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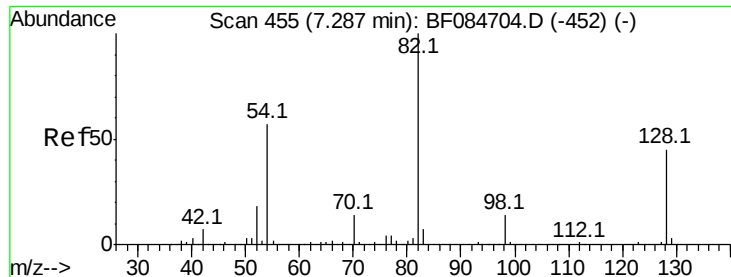
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#22
Acetophenone
Concen: 35.82 ng
RT: 7.12 min Scan# 440
Delta R.T. -0.02 min
Lab File: BF084755.D
Acq: 2 Feb 2016 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	663498		
71	4.2	3.7	5.5	
51	31.6	25.1	37.7	
120	20.5	16.6	25.0	





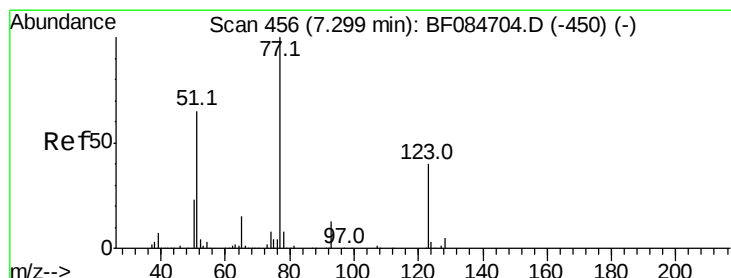
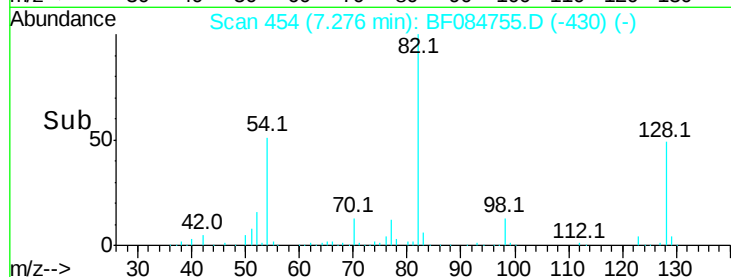
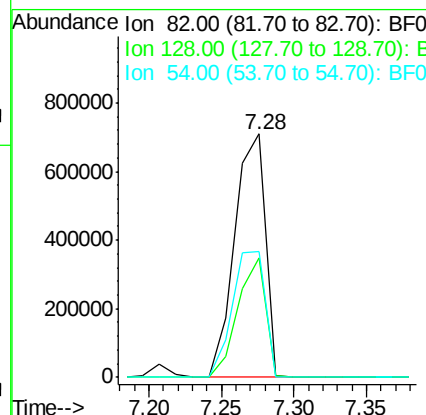
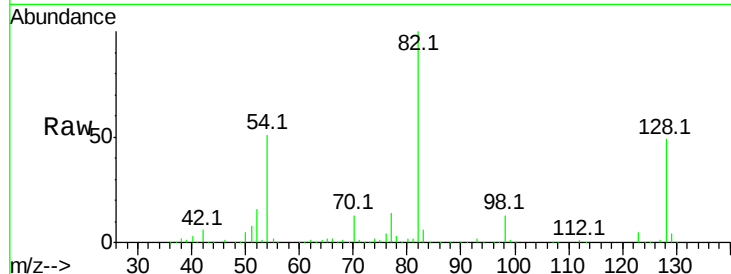
#23
 Nitrobenzene-d5
 Concen: 83.35 ng
 RT: 7.28 min Scan# 454
 Delta R.T. -0.02 min
 Lab File: BF084755.D
 Acq: 2 Feb 2016 19:36

Instrument :
 BNA_F
 ClientSampleId :
 PB88135BS

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.1	34.6	51.8
54	51.4	38.4	57.6

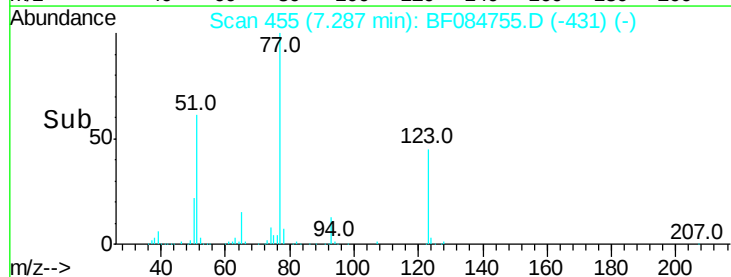
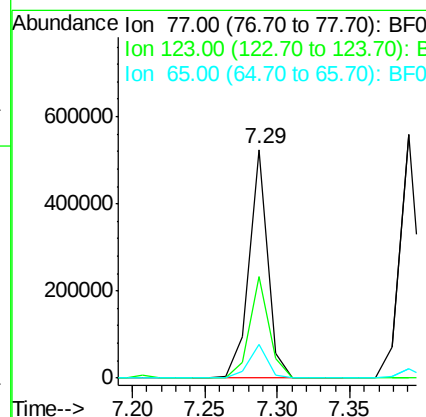
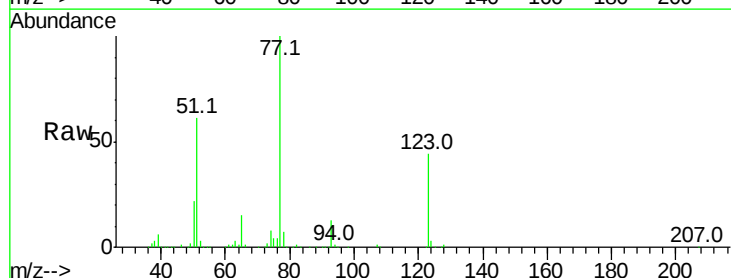
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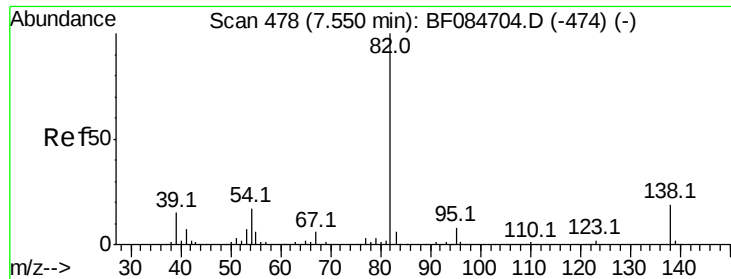
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#24
 Nitrobenzene
 Concen: 35.18 ng
 RT: 7.29 min Scan# 455
 Delta R.T. -0.02 min
 Lab File: BF084755.D
 Acq: 2 Feb 2016 19:36

Tgt Ion	Ratio	Lower	Upper
77	100		
123	44.4	37.4	56.2
65	14.8	10.9	16.3





#25

Isophorone

Concen: 37.08 ng

RT: 7.53 min Scan# 476

Delta R.T. -0.03 min

Lab File: BF084755.D

Acq: 2 Feb 2016 19:36

Instrument :

BNA_F

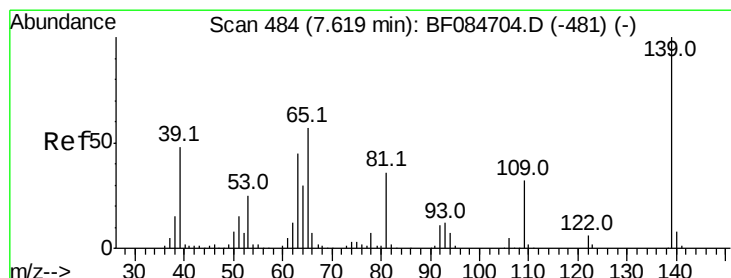
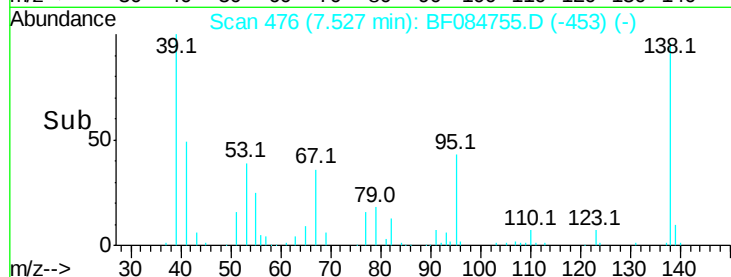
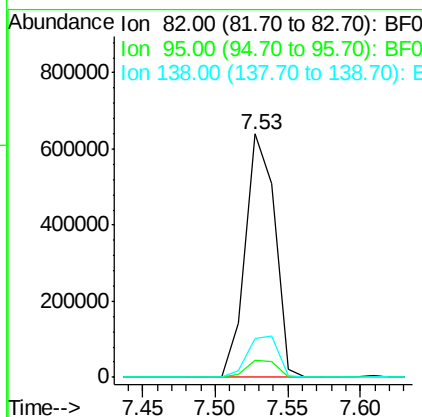
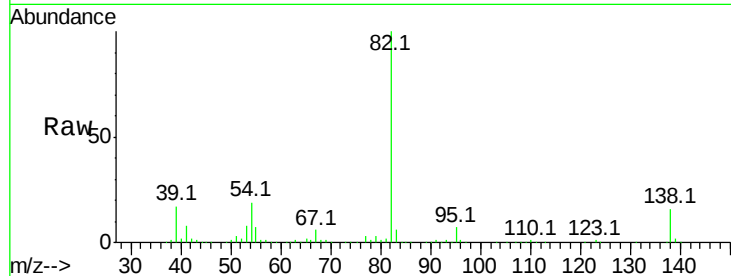
ClientSampleId :

PB88135BS

Tot Ion:	82	Resp:	899507
Ion Ratio		Lower	Upper
82	100		
95	7.1	6.6	10.0
138	15.9	13.6	20.4

Manual Integrations
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#26

2-Nitrophenol

Concen: 40.02 ng

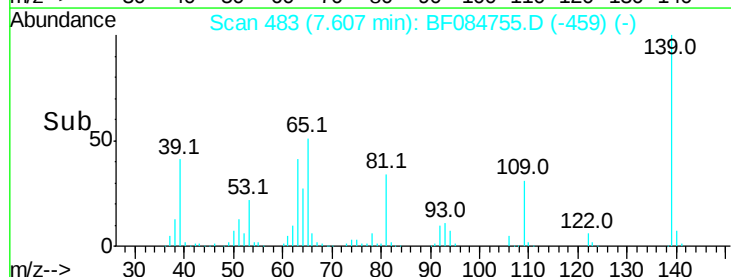
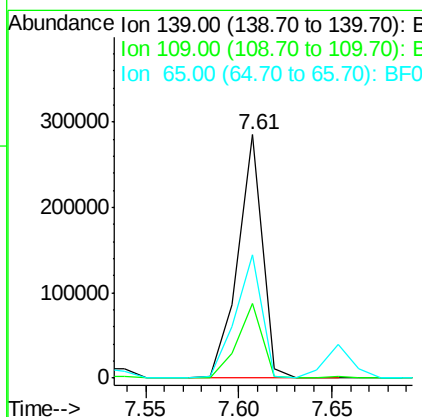
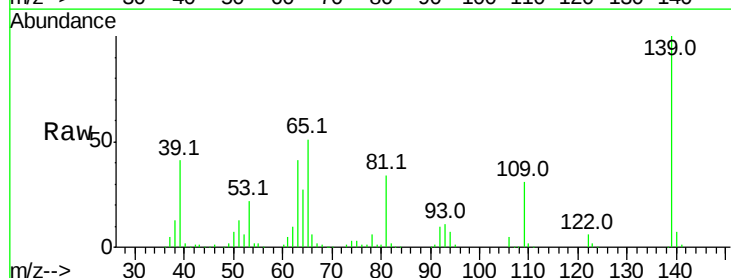
RT: 7.61 min Scan# 483

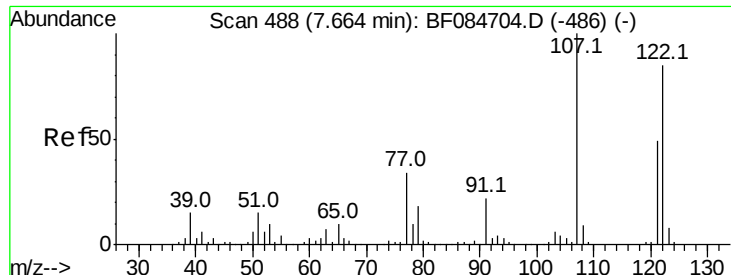
Delta R.T. -0.02 min

Lab File: BF084755.D

Acq: 2 Feb 2016 19:36

Tgt Ion:	139	Resp:	263696
Ion Ratio		Lower	Upper
139	100		
109	30.6	25.4	38.2
65	50.7	32.3	48.5#





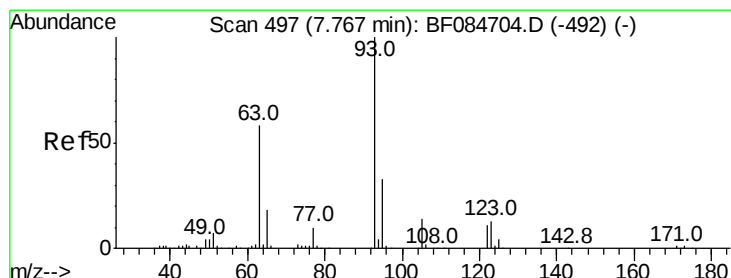
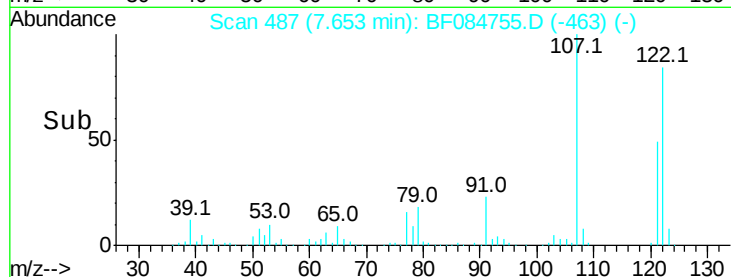
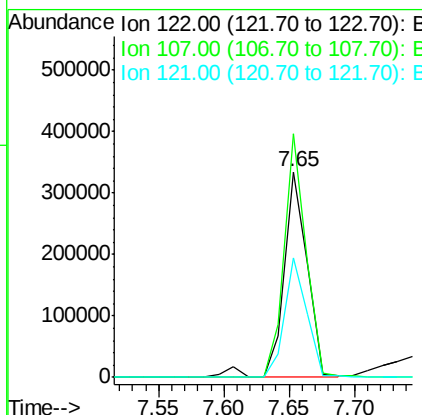
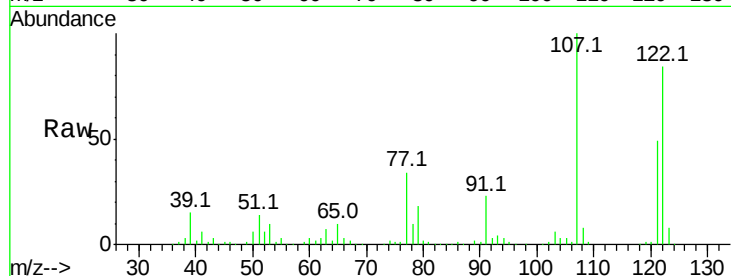
#27
2,4-Dimethylphenol
Concen: 36.95 ng
RT: 7.65 min Scan# 487
Delta R.T. -0.02 min
Lab File: BF084755.D
Acq: 2 Feb 2016 19:36

Instrument :
BNA_F
ClientSampleId :
PB88135BS

Tot Ion	Ratio	Lower	Upper
122	100		
107	118.4	99.1	148.7
121	58.2	47.9	71.9

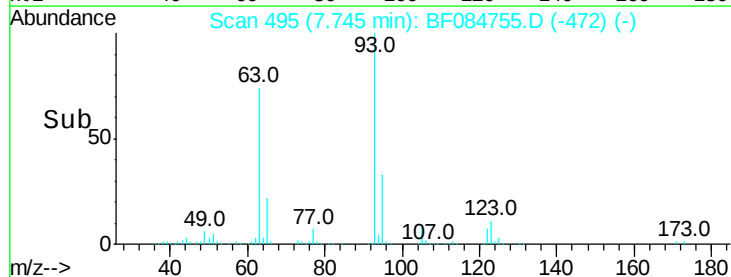
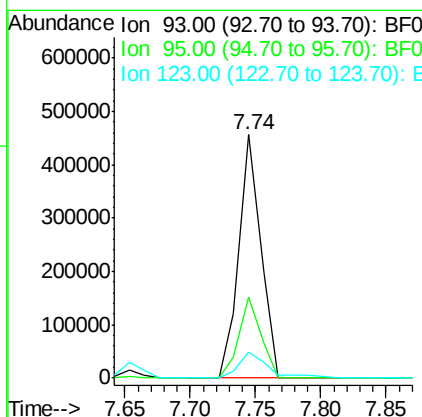
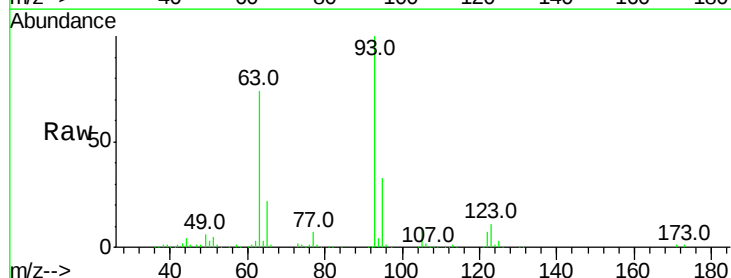
Manual Integrations
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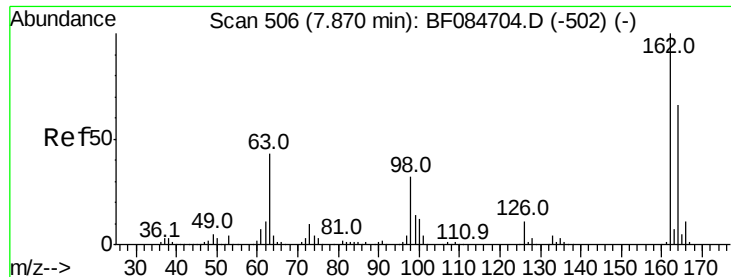
MMDadoda
2/3/2016 6:25:39 PM



#28
bis(2-Chloroethoxy)methane
Concen: 37.16 ng
RT: 7.74 min Scan# 495
Delta R.T. -0.03 min
Lab File: BF084755.D
Acq: 2 Feb 2016 19:36

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.1	25.8	38.6
123	10.8	8.6	12.8





#29

2,4-Dichlorophenol

Concen: 39.51 ng

RT: 7.86 min Scan# 505

Delta R.T. -0.02 min

Lab File: BF084755.D

Acq: 2 Feb 2016 19:36

Instrument :

BNA_F

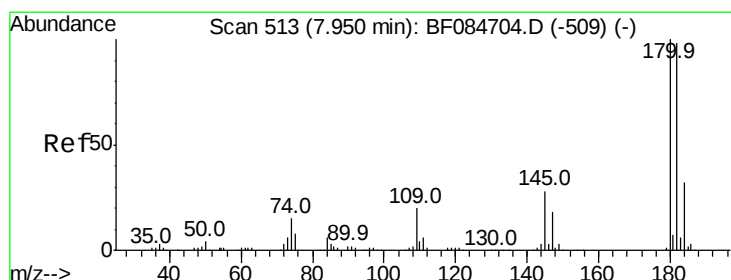
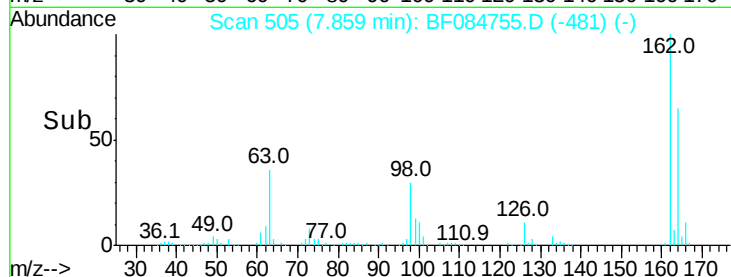
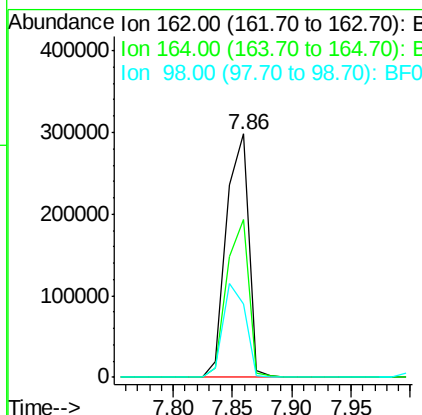
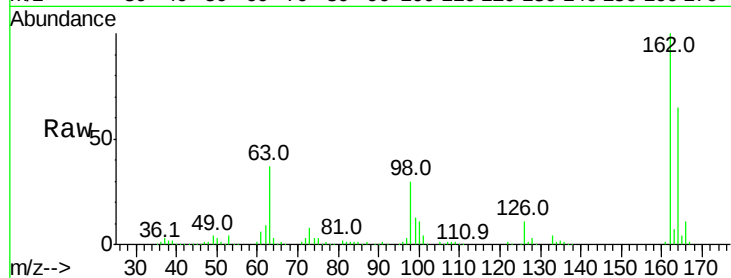
ClientSampleId :

PB88135BS

Tot Ion:	162	Resp:	387467
Ion Ratio	Lower	Upper	
162	100		
164	64.6	44.1	84.1
98	30.0	20.2	60.2

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#30

1,2,4-Trichlorobenzene

Concen: 36.16 ng

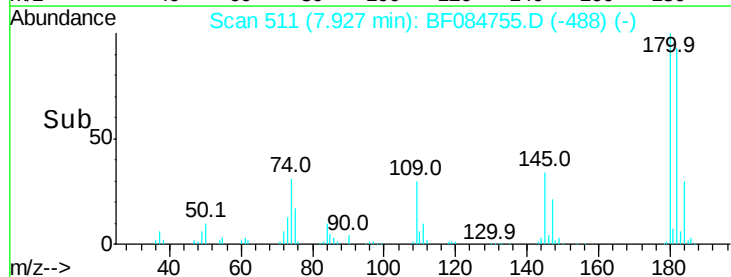
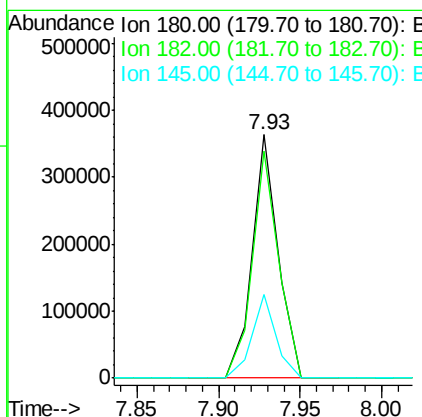
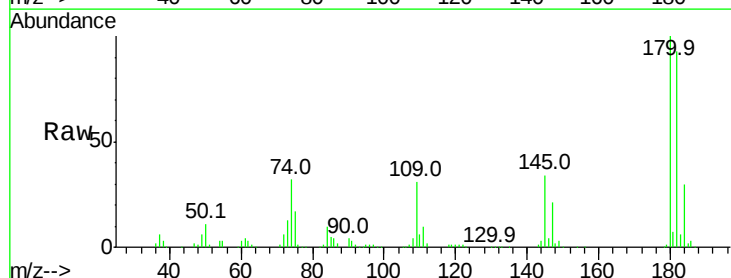
RT: 7.93 min Scan# 511

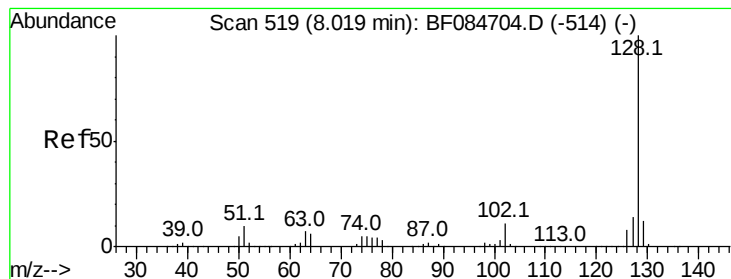
Delta R.T. -0.03 min

Lab File: BF084755.D

Acq: 2 Feb 2016 19:36

Tgt Ion:	180	Resp:	400540
Ion Ratio	Lower	Upper	
180	100		
182	93.4	76.4	114.6
145	34.4	31.6	47.4





#31

Naphthalene

Concen: 36.80 ng

RT: 8.01 min Scan# 518

Delta R.T. -0.02 min

Lab File: BF084755.D

Acq: 2 Feb 2016 19:36

Instrument :

BNA_F

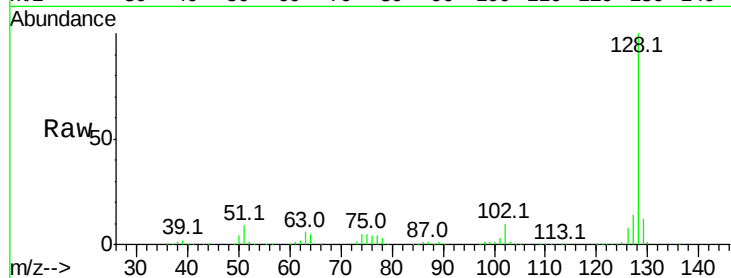
ClientSampleId :

PB88135BS

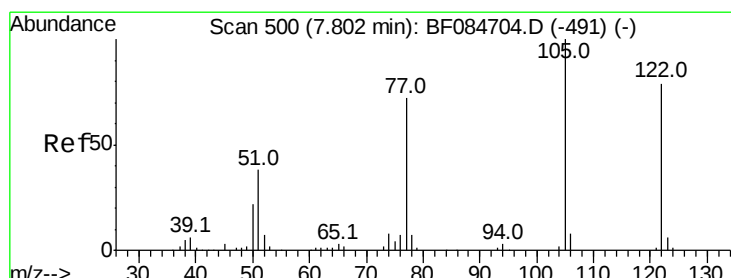
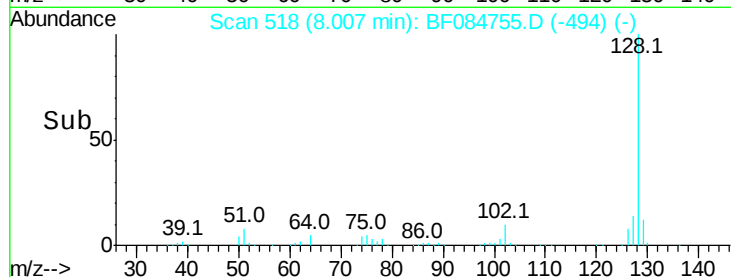
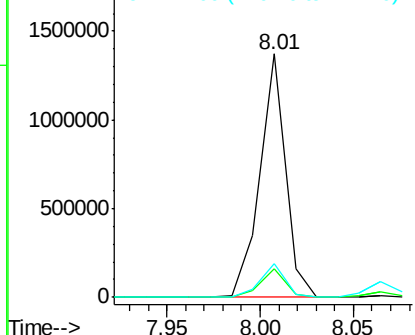
Tot Ion:	128	Resp:	1297387
Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.1	13.7
127	13.6	11.1	16.7

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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: 34.92 ng

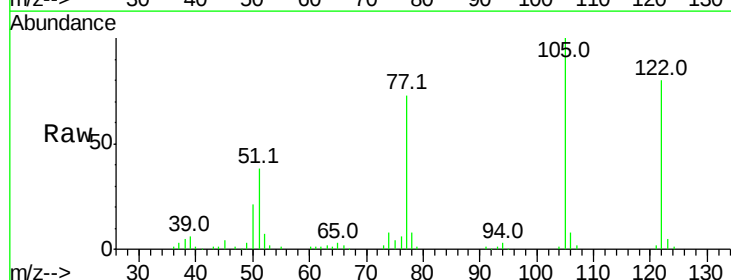
RT: 7.79 min Scan# 499

Delta R.T. -0.02 min

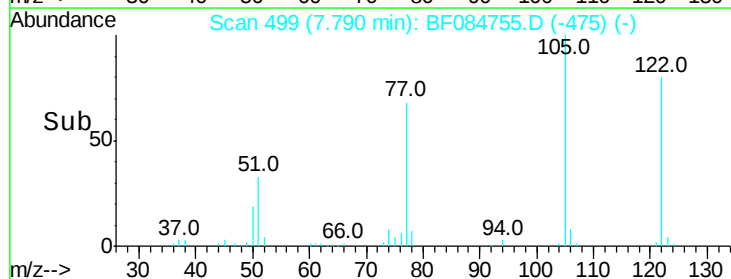
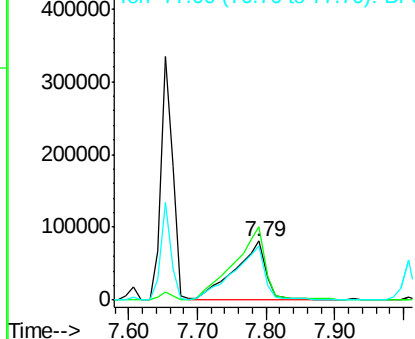
Lab File: BF084755.D

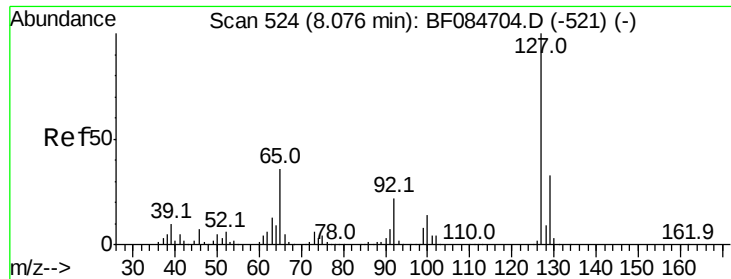
Acq: 2 Feb 2016 19:36

Tgt Ion:	122	Resp:	256017
Ion	Ratio	Lower	Upper
122	100		
105	124.8	100.3	140.3
77	91.2	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





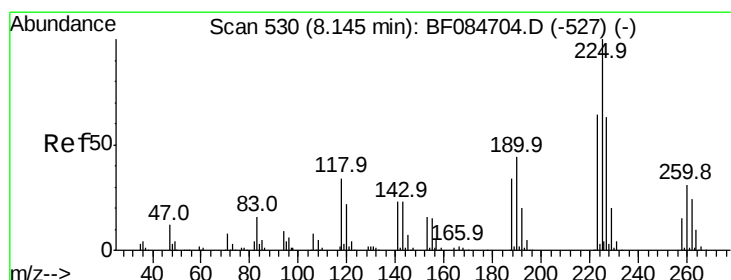
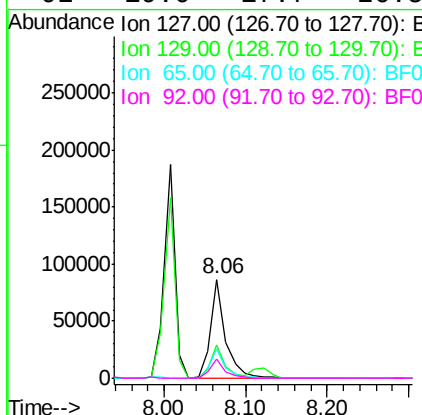
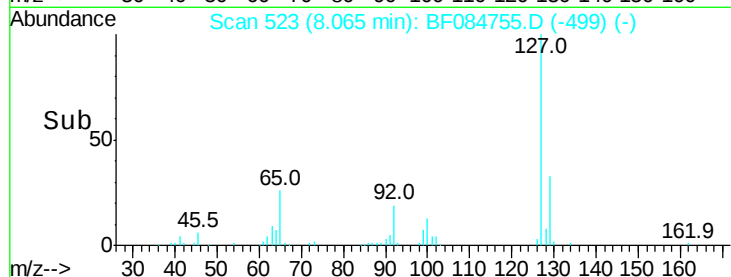
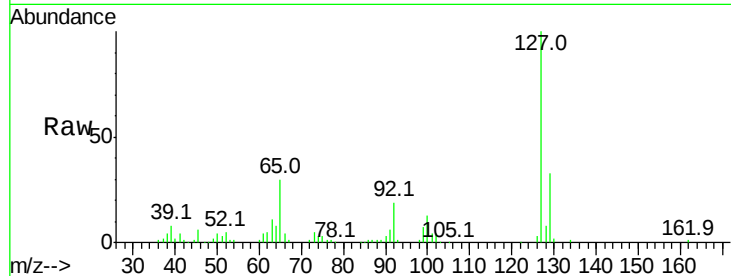
#33
4-Chloroaniline
Concen: 7.74 ng
RT: 8.06 min Scan# 523
Delta R.T. -0.02 min
Lab File: BF084755.D
Acq: 2 Feb 2016 19:36

Instrument :
BNA_F
ClientSampleId :
PB88135BS

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	33.0	26.5	39.7	
65	29.6	27.2	40.8	
92	19.0	17.7	26.5	

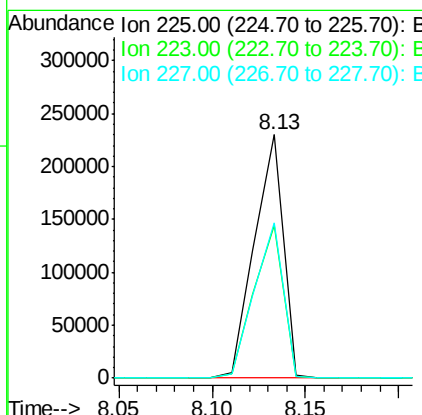
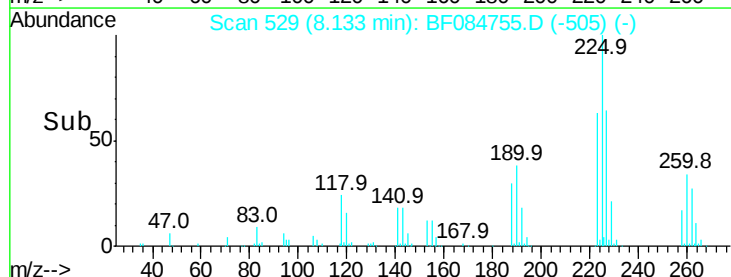
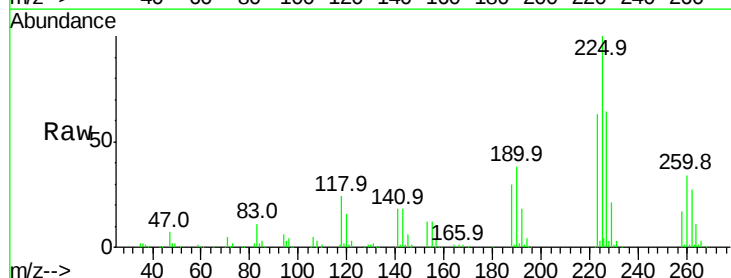
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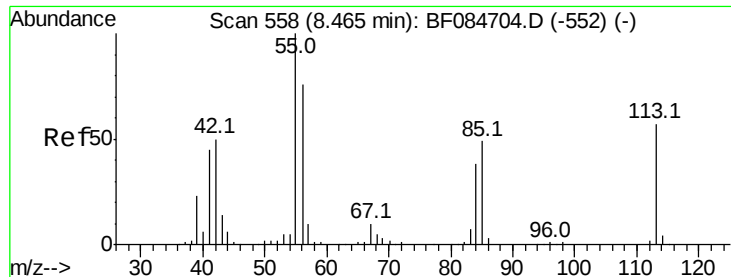
MMDadoda
2/3/2016 6:25:39 PM



#34
Hexachlorobutadiene
Concen: 38.48 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.02 min
Lab File: BF084755.D
Acq: 2 Feb 2016 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.9	49.4	74.0	
227	63.7	50.8	76.2	





#35

Caprolactam

Concen: 42.41 ng/mL

RT: 8.44 min Scan# 556

Delta R.T. -0.02 min

Lab File: BF084755.D

Acq: 2 Feb 2016 19:36

Instrument :

BNA_F

ClientSampleId :

PB88135BS

Tot Ion: 113 Resp: 128178

Ion Ratio Lower Upper

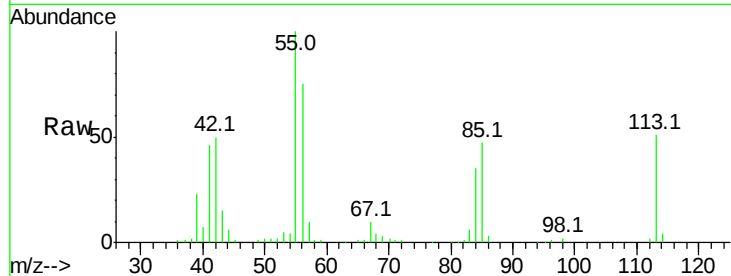
113 100

55 195.1 116.9 156.9#

56 147.2 93.8 133.8#

Manual Integrations
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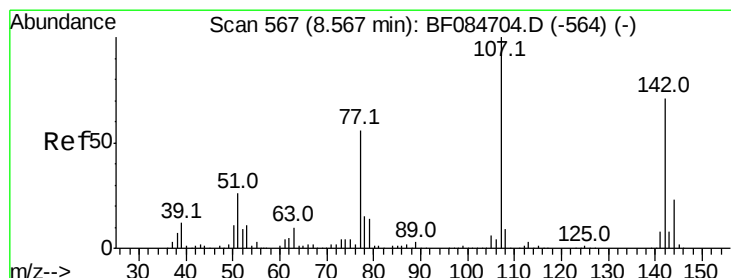
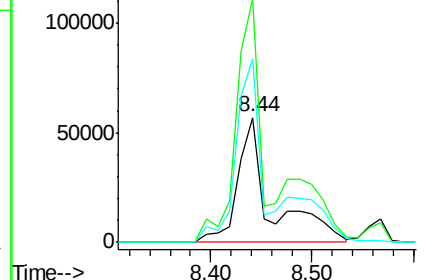
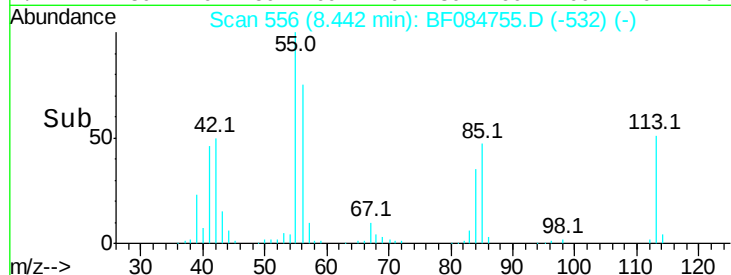
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 42.83 ng/mL

RT: 8.57 min Scan# 567

Delta R.T. -0.01 min

Lab File: BF084755.D

Acq: 2 Feb 2016 19:36

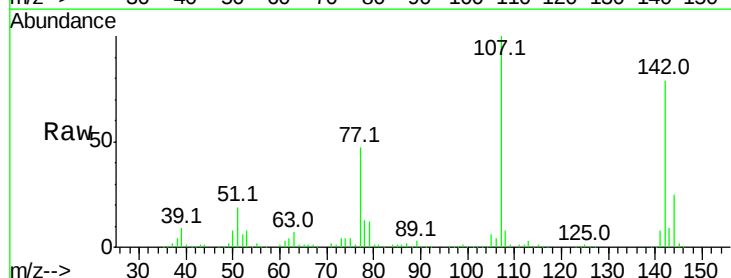
Tgt Ion: 107 Resp: 479129

Ion Ratio Lower Upper

107 100

144 25.3 19.7 29.5

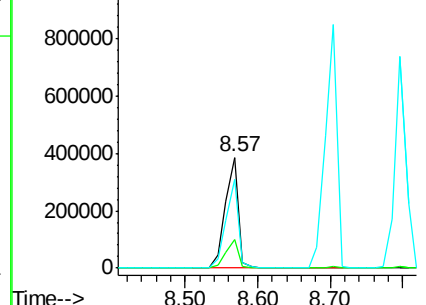
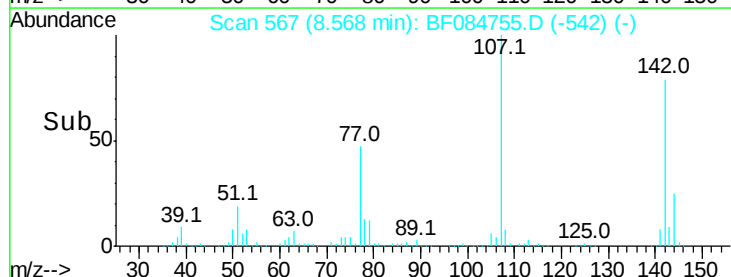
142 79.4 61.8 92.6

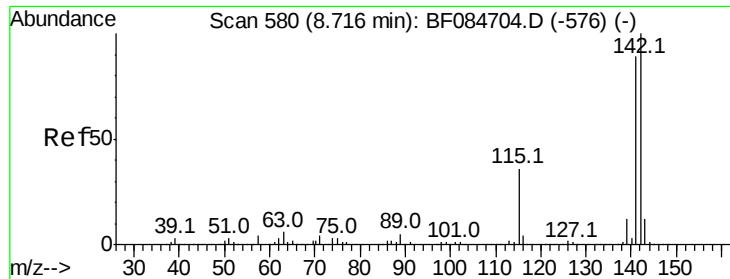


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





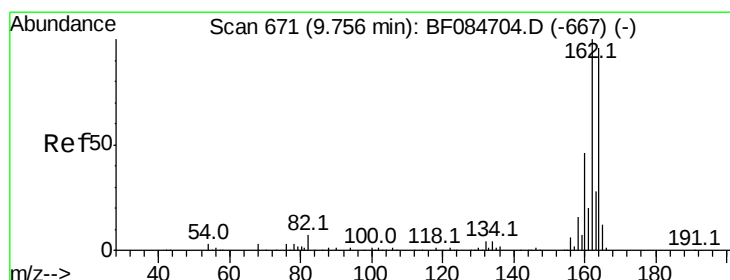
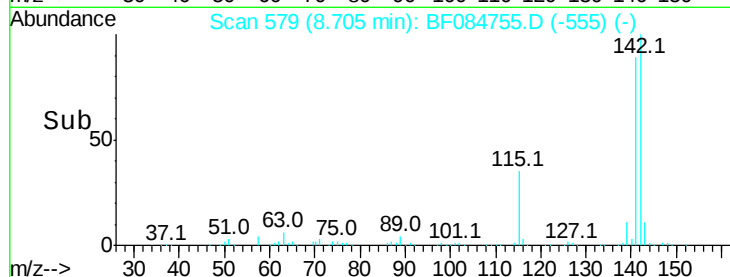
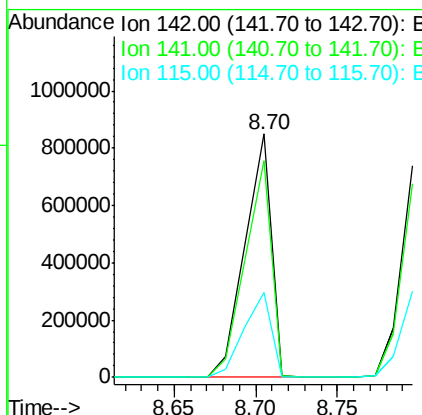
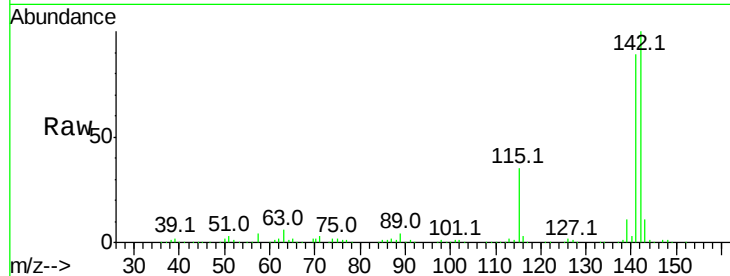
#37
2-Methylnaphthalene
Concen: 43.26 ng
RT: 8.70 min Scan# 579
Delta R.T. -0.02 min
Lab File: BF084755.D
Acq: 2 Feb 2016 19:36

Instrument :
BNA_F
ClientSampled :
PB88135BS

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.8	72.4	108.6
115	34.7	27.9	41.9

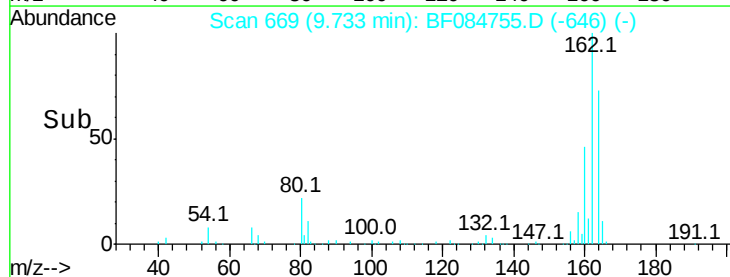
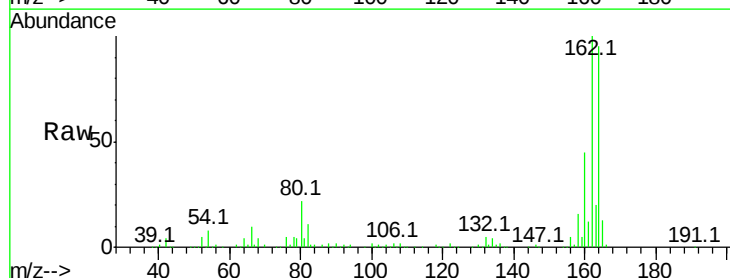
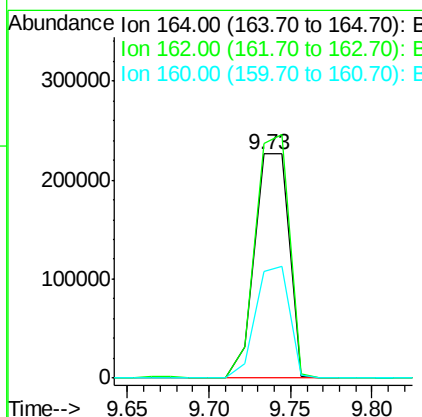
Manual Integrations
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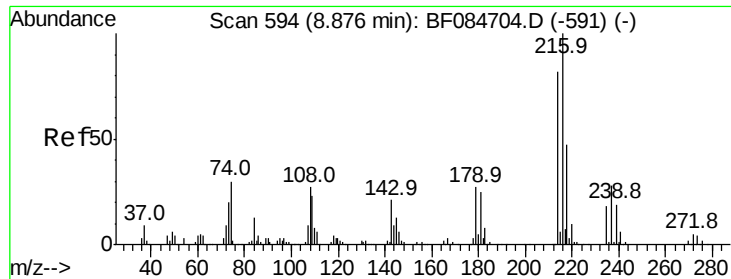
MMDadoda
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#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.73 min Scan# 669
Delta R.T. -0.03 min
Lab File: BF084755.D
Acq: 2 Feb 2016 19:36

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.9	85.1	127.7
160	47.7	37.5	56.3





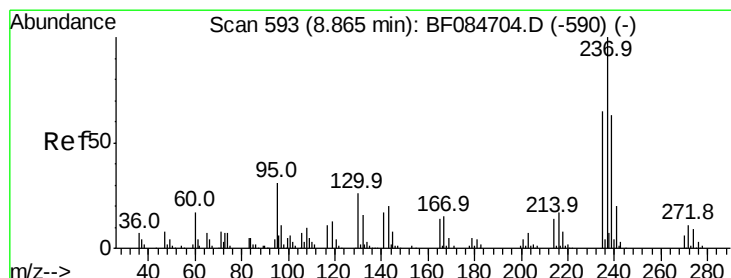
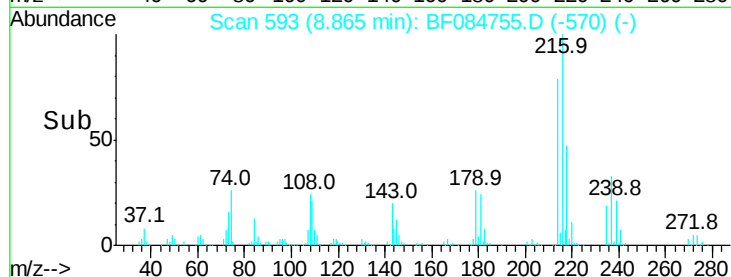
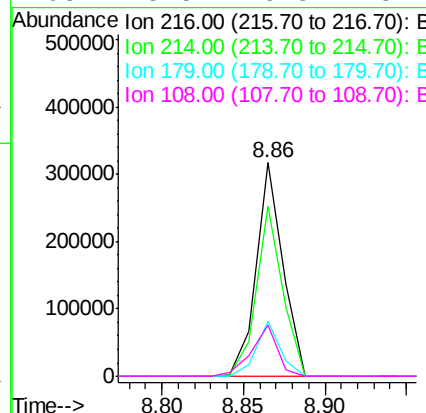
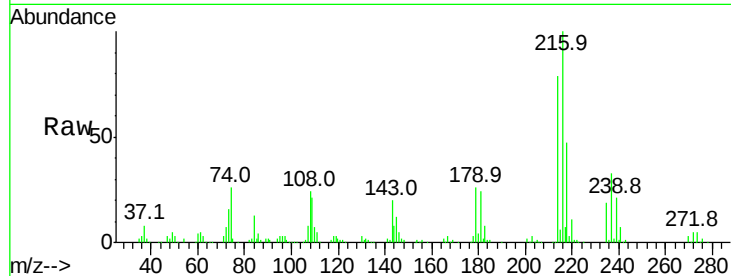
#39
 1,2,4,5-Tetrachlorobenzene
 Concen: 33.82 ng
 RT: 8.86 min Scan# 593
 Delta R.T. -0.03 min
 Lab File: BF084755.D
 Acq: 2 Feb 2016 19:36

Instrument :
 BNA_F
 ClientSampleId :
 PB88135BS

Tot Ion	Ratio	Resp	Lower	Upper
216	100	358218		
214	78.3		64.2	96.2
179	23.4		18.7	28.1
108	23.8		16.8	25.2

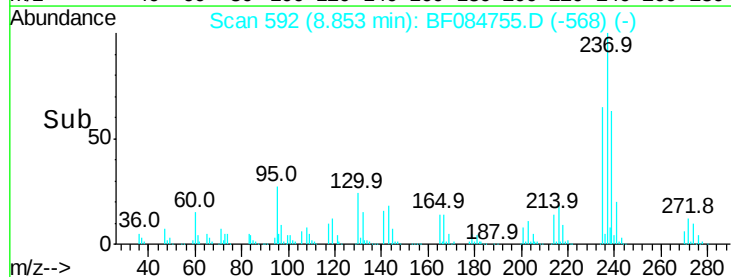
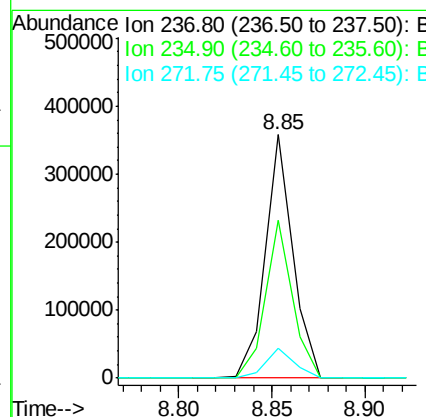
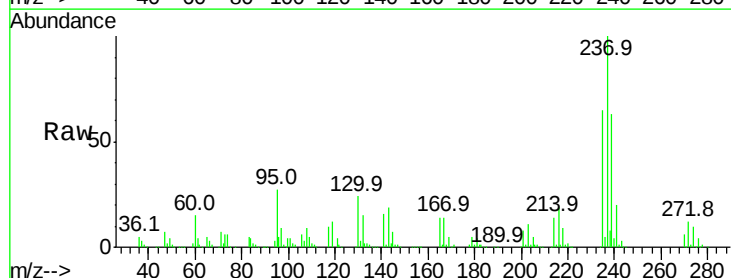
Manual Integrations
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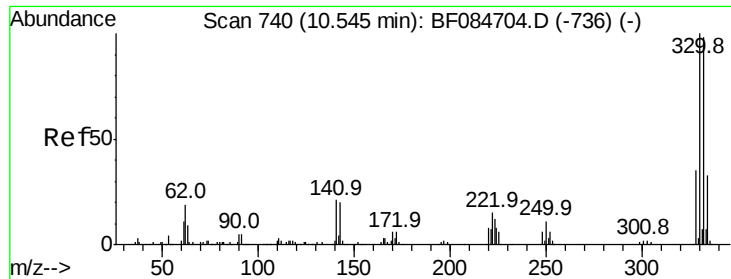
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#40
 Hexachlorocyclopentadiene
 Concen: 78.60 ng
 RT: 8.85 min Scan# 592
 Delta R.T. -0.02 min
 Lab File: BF084755.D
 Acq: 2 Feb 2016 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
237	100	364880		
235	64.7		43.1	83.1
272	12.2		0.0	35.1





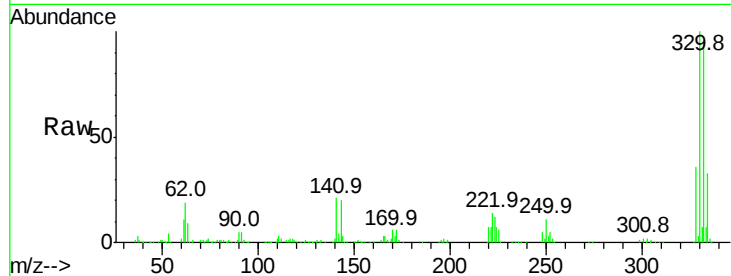
#41
 2,4,6-Tribromophenol
 Concen: 132.31 ng
 RT: 10.53 min Scan# 739
 Delta R.T. -0.02 min
 Lab File: BF084755.D
 Acq: 2 Feb 2016 19:36

Instrument :
 BNA_F
 ClientSampleId :
 PB88135BS

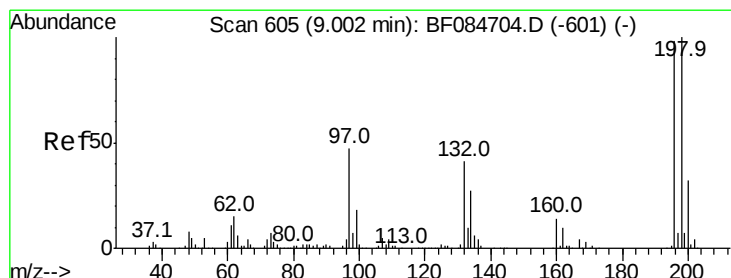
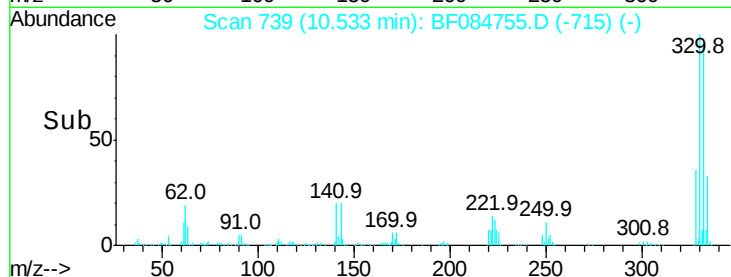
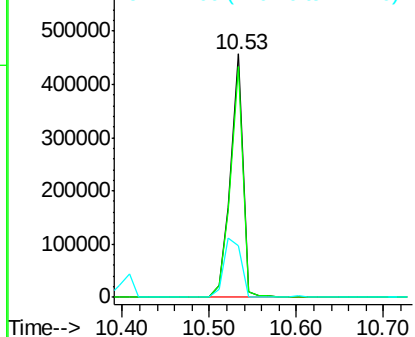
Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.7	76.6	114.8	
141	34.0	27.8	41.6	

Manual Integrations
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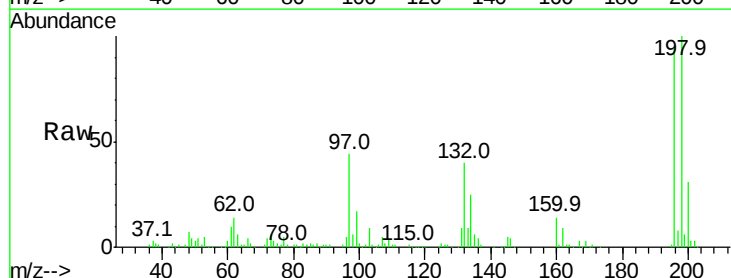


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

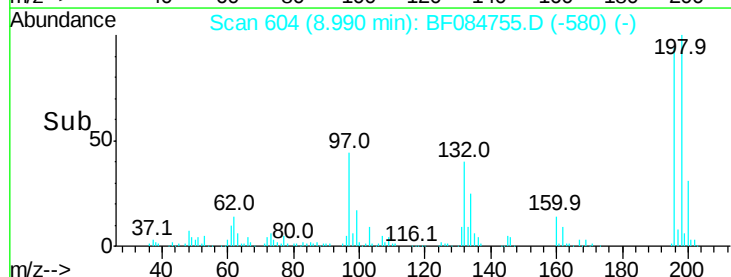
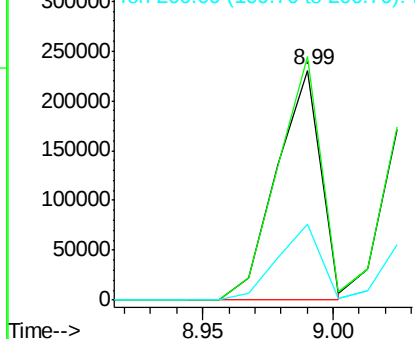


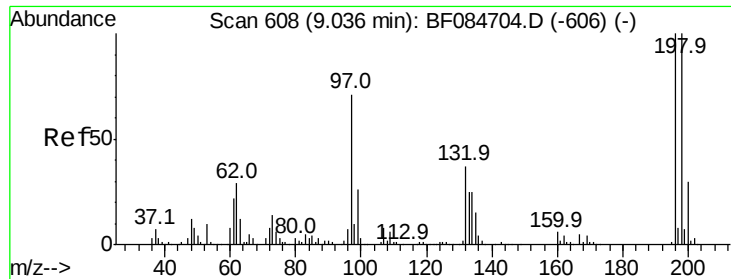
#42
 2,4,6-Trichlorophenol
 Concen: 39.79 ng
 RT: 8.99 min Scan# 604
 Delta R.T. -0.02 min
 Lab File: BF084755.D
 Acq: 2 Feb 2016 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
196	100			
198	105.9	77.7	116.5	
200	33.2	24.6	37.0	



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E





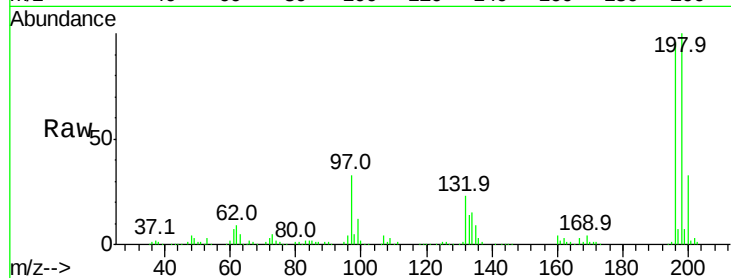
#43
 2,4,5-Trichlorophenol
 Concen: 40.06 ng
 RT: 9.04 min Scan# 608
 Delta R.T. -0.01 min
 Lab File: BF084755.D
 Acq: 2 Feb 2016 19:36

Instrument :
 BNA_F
 ClientSampleId :
 PB88135BS

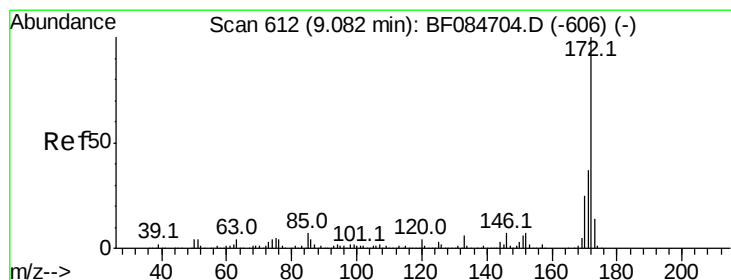
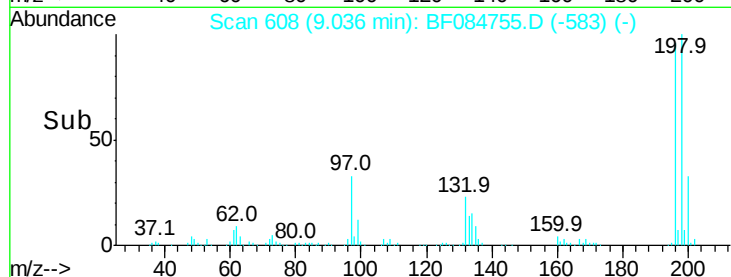
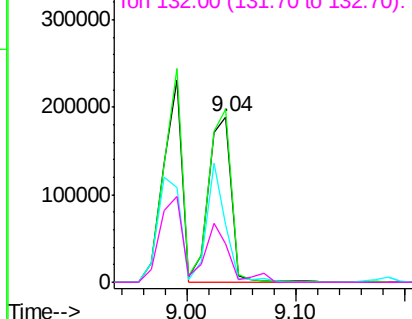
Tot Ion	196	Resp	277742
Ion Ratio	Lower	Upper	
196	100		
198	104.3	79.0	118.6
97	34.7	33.0	49.6
132	23.5	21.1	31.7

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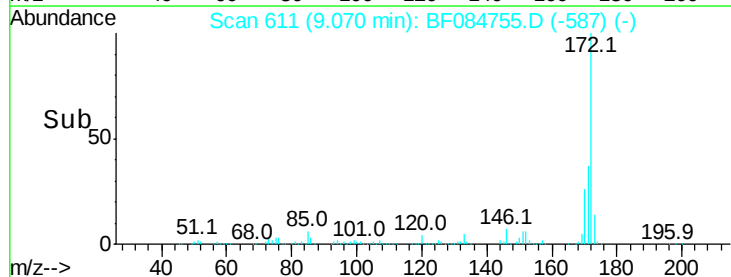
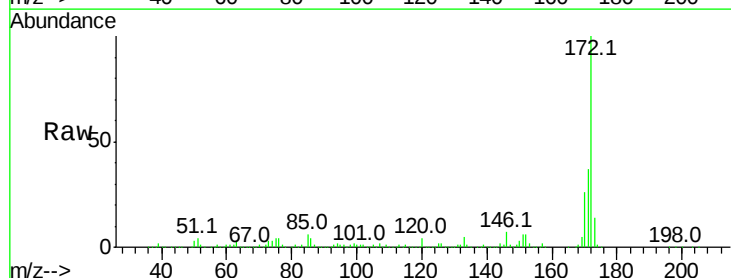
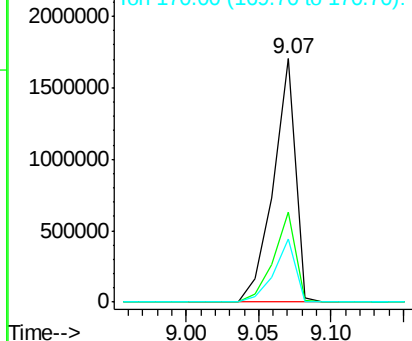
Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

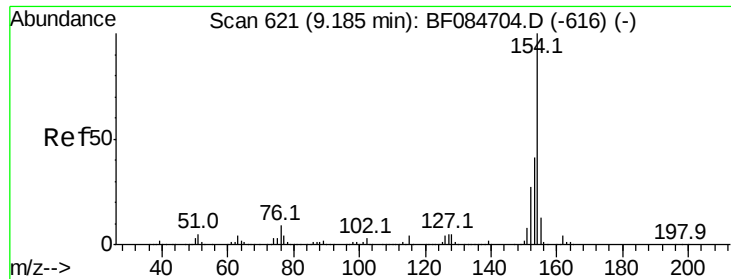


#44
 2-Fluorobiphenyl
 Concen: 95.10 ng
 RT: 9.07 min Scan# 611
 Delta R.T. -0.02 min
 Lab File: BF084755.D
 Acq: 2 Feb 2016 19:36

Tgt Ion	172	Resp	1808333
Ion Ratio	Lower	Upper	
172	100		
171	36.7	28.9	43.3
170	25.7	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: 35.81 ng

RT: 9.16 min Scan# 619

Delta R.T. -0.03 min

Lab File: BF084755.D

Acq: 2 Feb 2016 19:36

Instrument :

BNA_F

ClientSampled :

PB88135BS

Tot Ion:154 Resp: 1066865

Ion Ratio Lower Upper

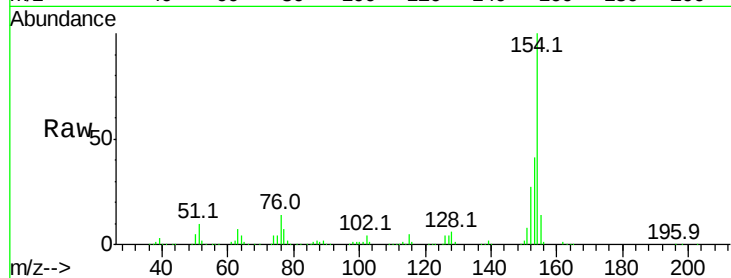
154 100

153 40.7 21.6 61.6

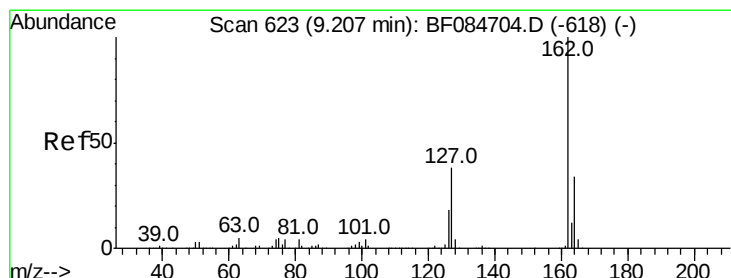
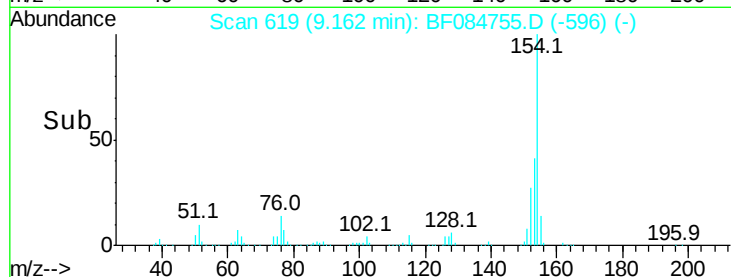
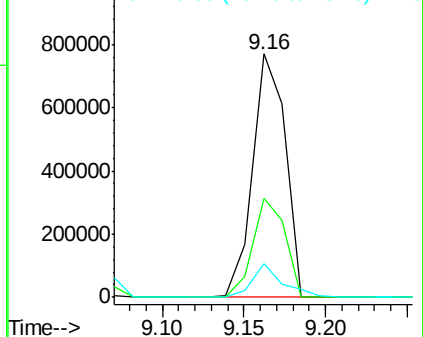
76 13.7 0.0 32.7

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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: 35.61 ng

RT: 9.18 min Scan# 621

Delta R.T. -0.03 min

Lab File: BF084755.D

Acq: 2 Feb 2016 19:36

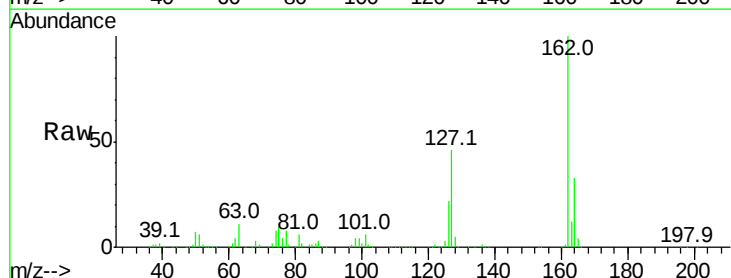
Tgt Ion:162 Resp: 781128

Ion Ratio Lower Upper

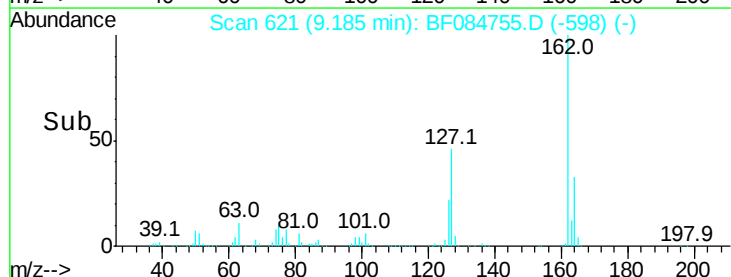
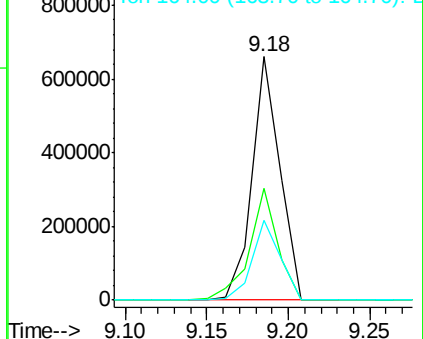
162 100

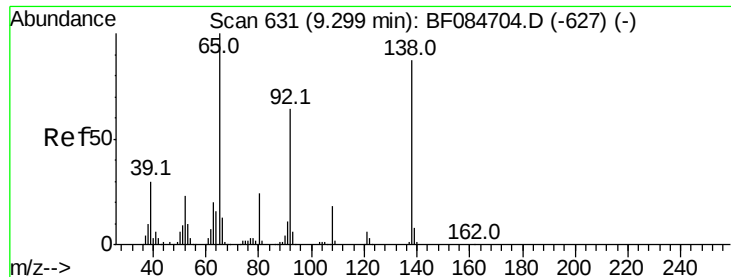
127 45.8 40.2 60.4

164 32.7 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: 35.90 ng

RT: 9.29 min Scan# 630

Delta R.T. -0.02 min

Lab File: BF084755.D

Acq: 2 Feb 2016 19:36

Instrument :

BNA_F

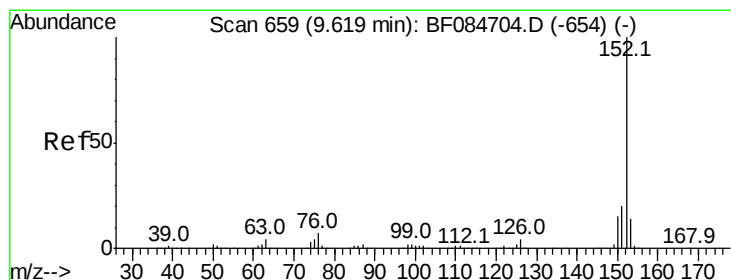
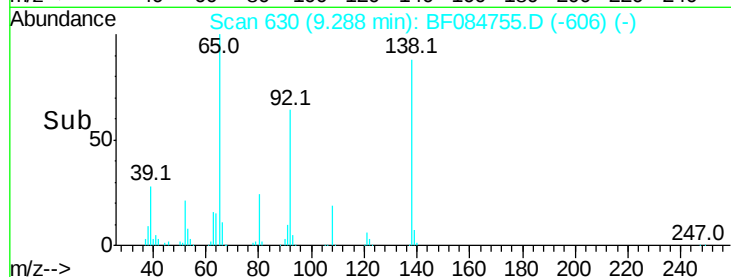
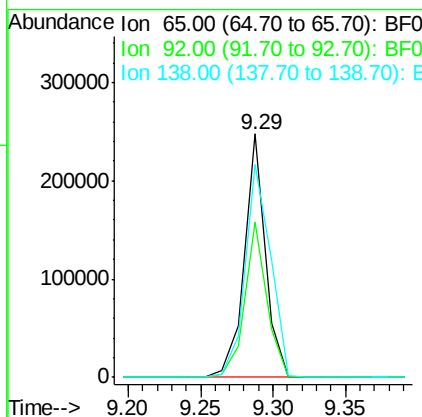
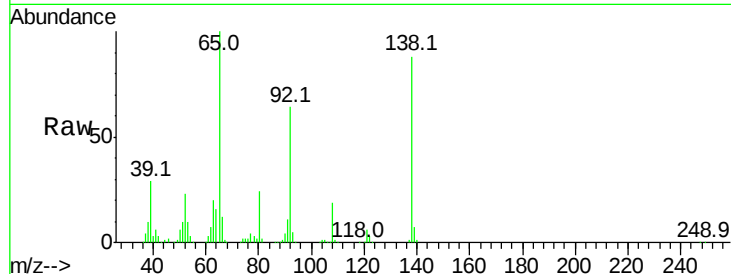
ClientSampleId :

PB88135BS

Tot Ion:	65	Resp:	249380
Ion Ratio	Lower	Upper	
65	100		
92	64.0	53.4	80.2
138	87.7	71.1	106.7

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#48

Acenaphthylene

Concen: 38.28 ng

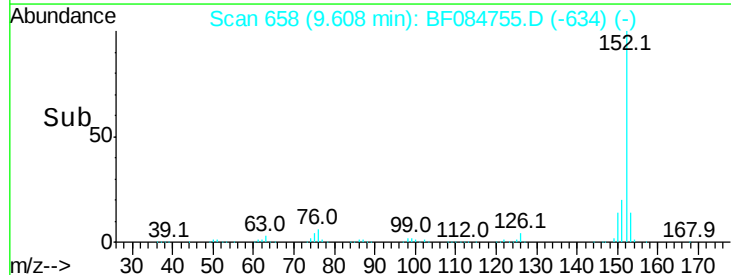
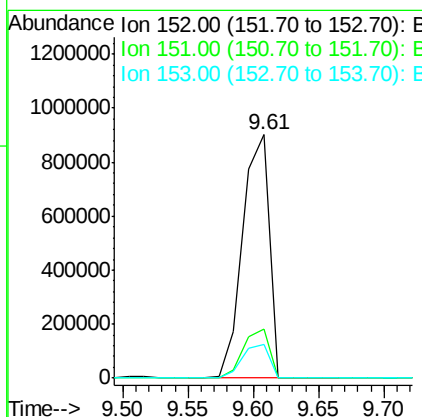
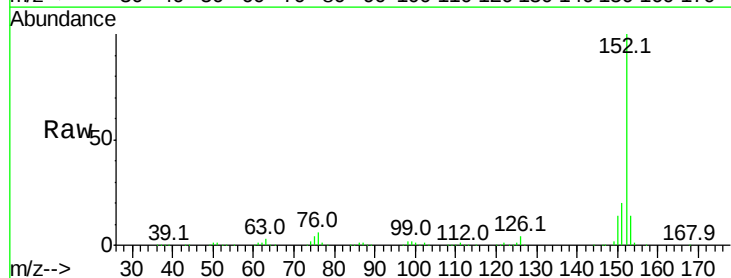
RT: 9.61 min Scan# 658

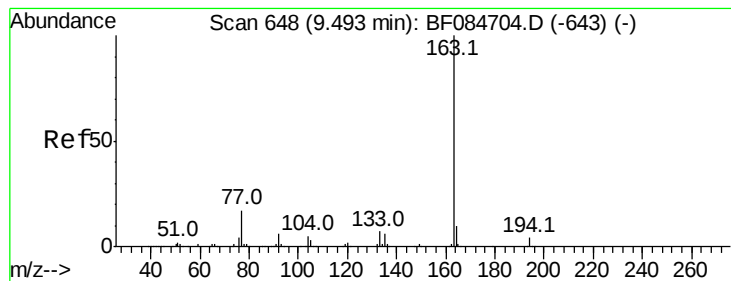
Delta R.T. -0.02 min

Lab File: BF084755.D

Acq: 2 Feb 2016 19:36

Tgt Ion:	152	Resp:	1274432
Ion Ratio	Lower	Upper	
152	100		
151	20.0	16.3	24.5
153	13.9	10.4	15.6





#49

Dimethylphthalate

Concen: 40.46 ng

RT: 9.48 min Scan# 647

Delta R.T. -0.02 min

Lab File: BF084755.D

Acq: 2 Feb 2016 19:36

Instrument :

BNA_F

ClientSampleId :

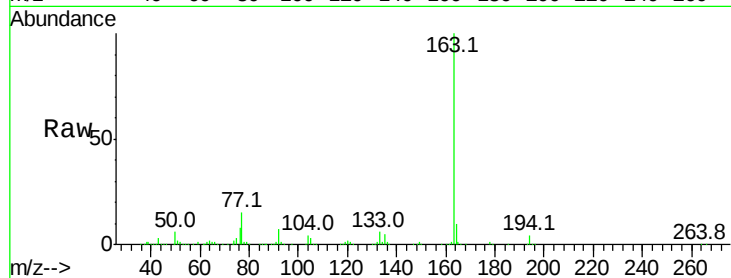
PB88135BS

Tot Ion:163 Resp: 1027873

Ion	Ratio	Lower	Upper
163	100		
194	3.6	8.0	12.0#
164	9.9	8.0	12.0

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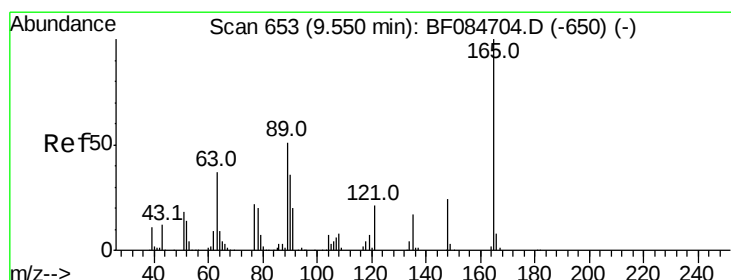
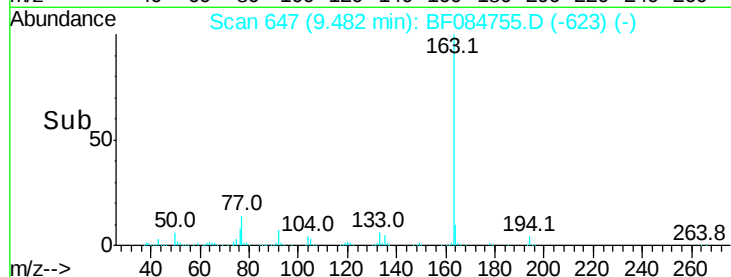
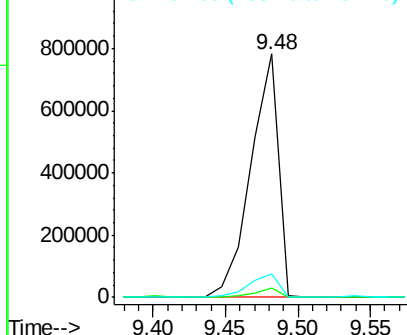
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Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 42.99 ng

RT: 9.54 min Scan# 652

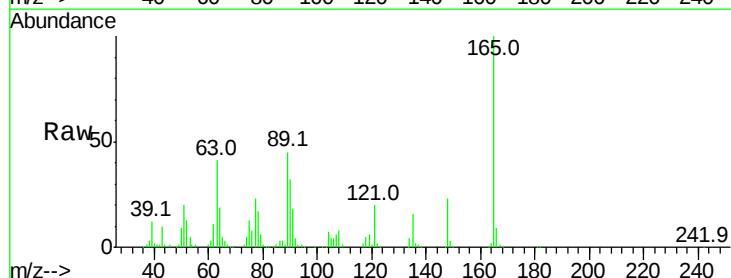
Delta R.T. -0.02 min

Lab File: BF084755.D

Acq: 2 Feb 2016 19:36

Tgt Ion:165 Resp: 238529

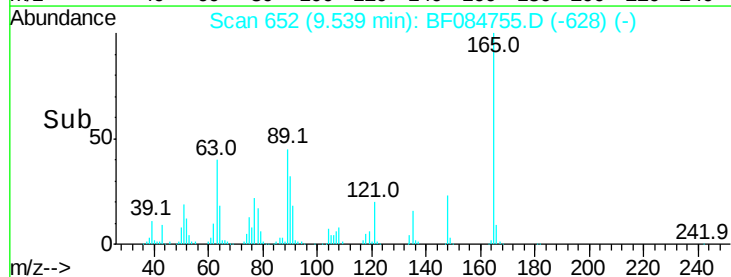
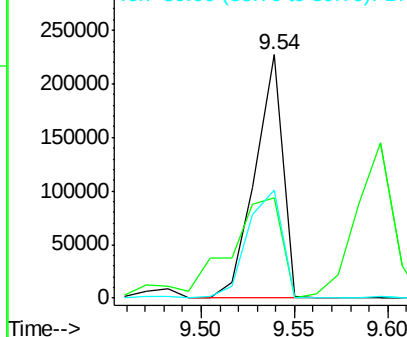
Ion	Ratio	Lower	Upper
165	100		
63	41.1	28.8	43.2
89	44.6	35.1	52.7

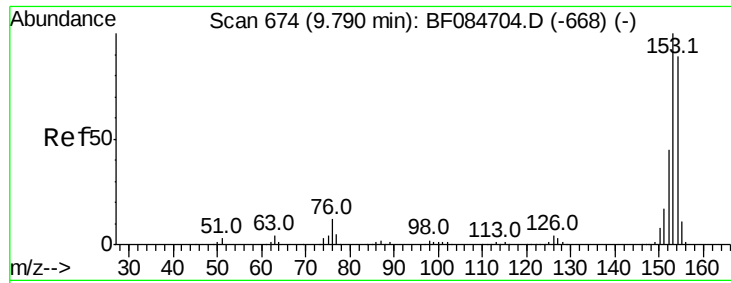


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 38.05 ng

RT: 9.77 min Scan# 672

Delta R.T. -0.03 min

Lab File: BF084755.D

Acq: 2 Feb 2016 19:36

Instrument :

BNA_F

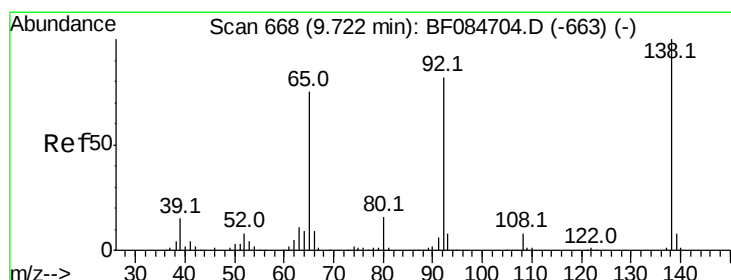
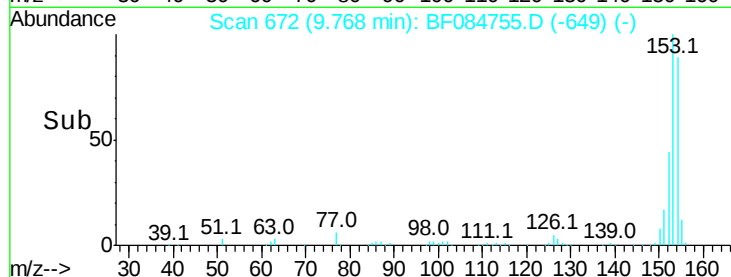
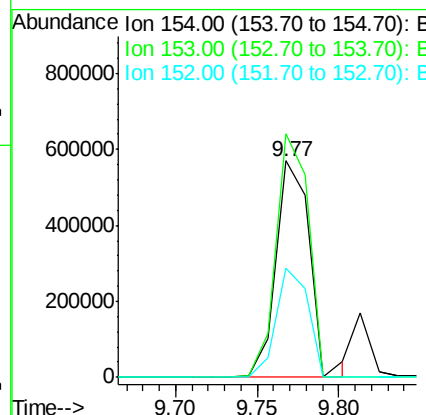
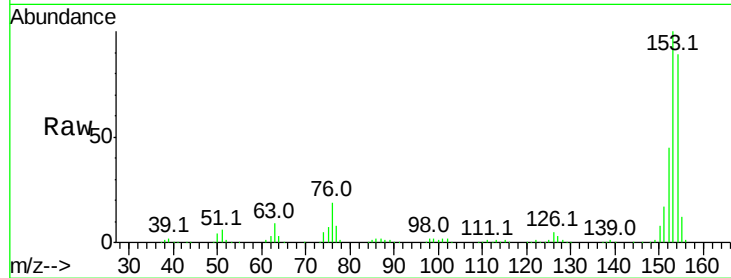
ClientSampleId :

PB88135BS

Tot Ion:	154	Resp:	824130
Ion Ratio	Lower	Upper	
154	100		
153	112.7	91.5	137.3
152	50.4	43.0	64.6

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#52

3-Nitroaniline

Concen: 10.54 ng

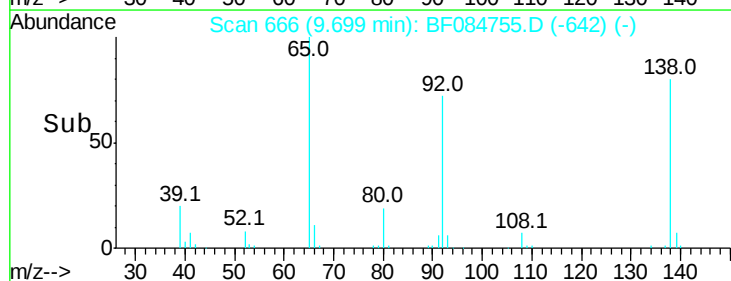
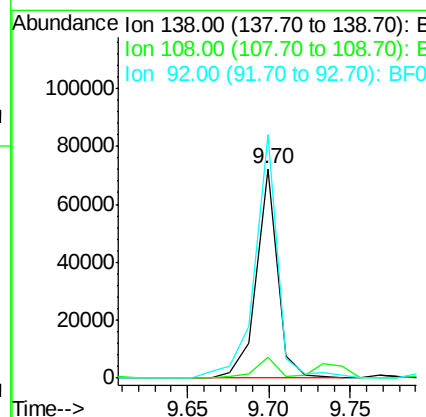
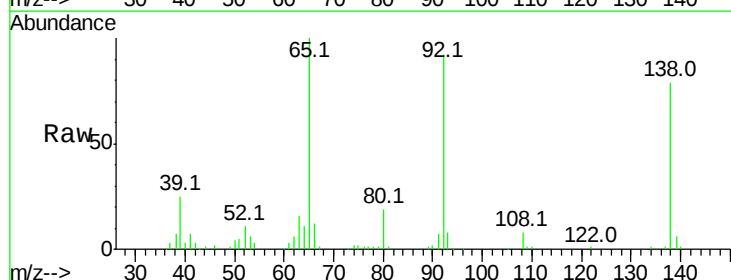
RT: 9.70 min Scan# 666

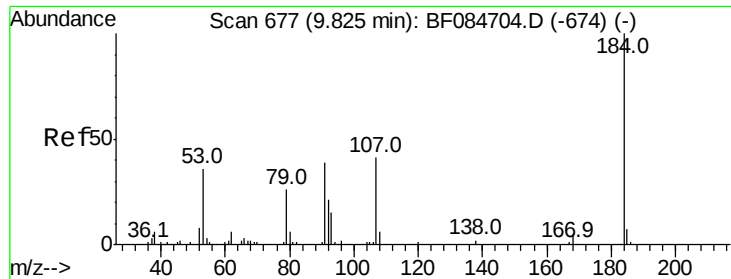
Delta R.T. -0.02 min

Lab File: BF084755.D

Acq: 2 Feb 2016 19:36

Tgt Ion:	138	Resp:	65702
Ion Ratio	Lower	Upper	
138	100		
108	9.8	10.5	15.7#
92	116.4	103.9	155.9





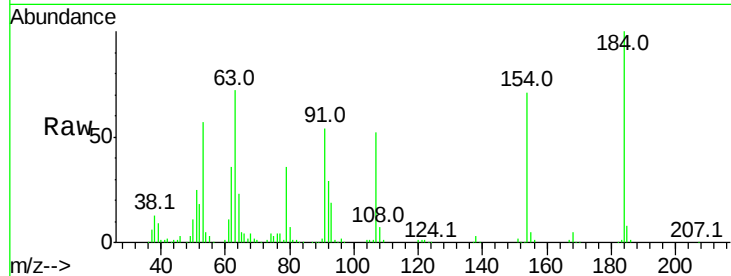
#53
2,4-Dinitrophenol
Concen: 88.56 ng
RT: 9.81 min Scan# 676
Delta R.T. -0.01 min
Lab File: BF084755.D
Acq: 2 Feb 2016 19:36

Instrument :
BNA_F
ClientSampleId :
PB88135BS

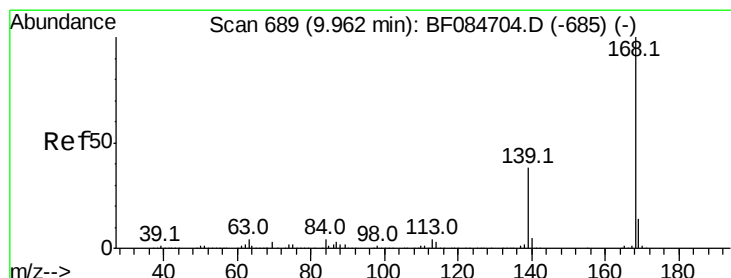
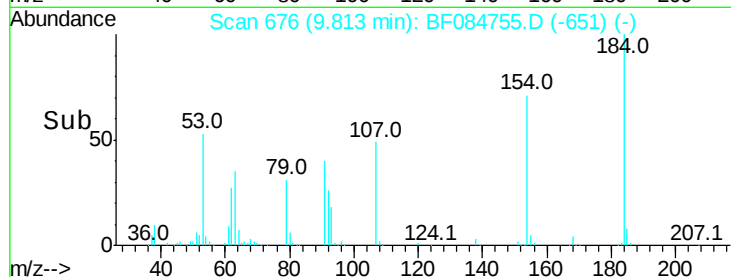
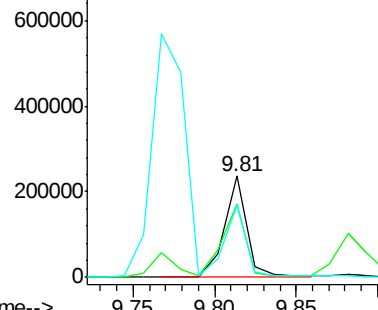
Tot Ion	Ratio	Resp	Lower	Upper
184	100	228521		
63	71.9	43.1	64.7#	
154	71.1	60.5	90.7	

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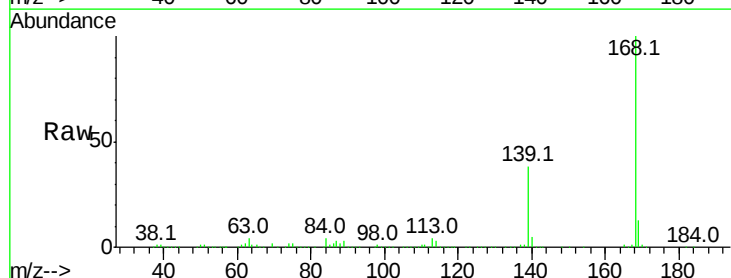


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

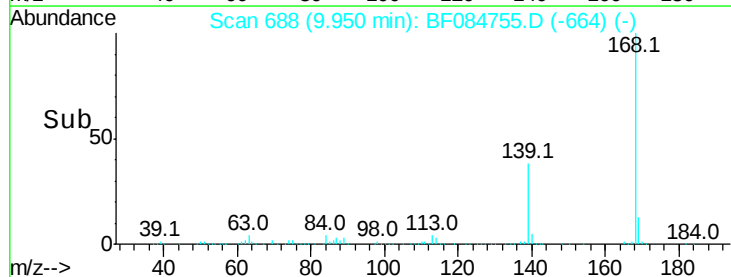
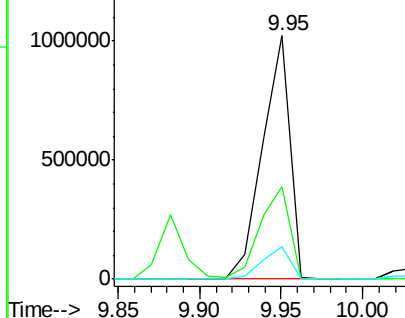


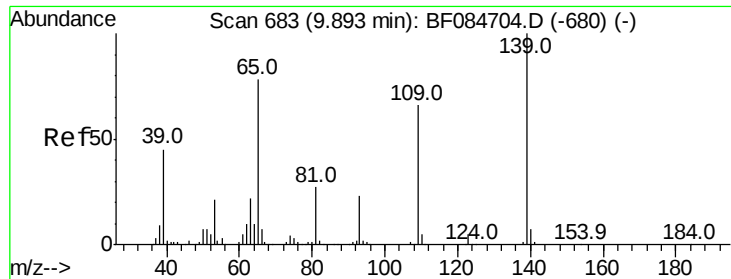
#54
Dibenzofuran
Concen: 45.11 ng
RT: 9.95 min Scan# 688
Delta R.T. -0.02 min
Lab File: BF084755.D
Acq: 2 Feb 2016 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	1194114		
139	38.0	30.5	45.7	
169	13.1	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





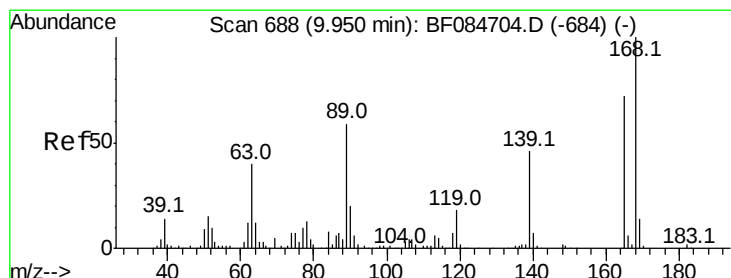
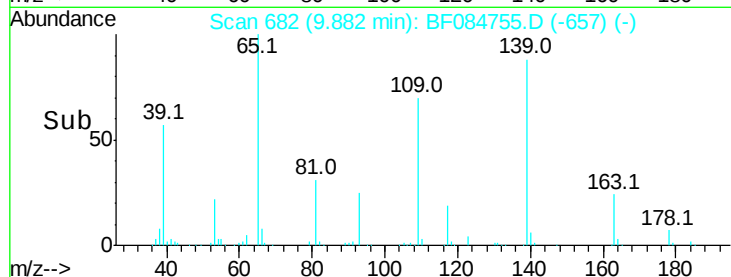
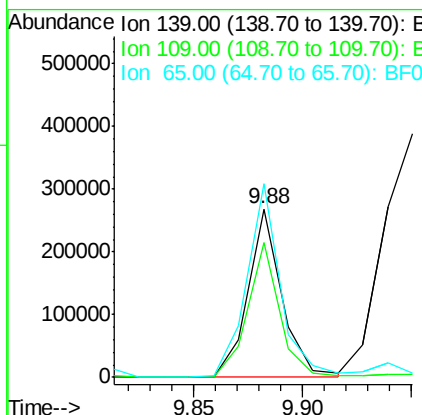
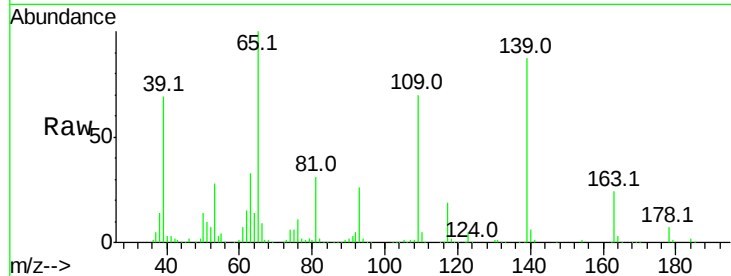
#55
4-Nitrophenol
Concen: 64.06 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.01 min
Lab File: BF084755.D
Acq: 2 Feb 2016 19:36

Instrument :
BNA_F
ClientSampleId :
PB88135BS

Tot Ion	Ratio	Resp	Lower	Upper
139	100	293567		
109	80.3	58.5	98.5	
65	115.4	57.6	97.6	

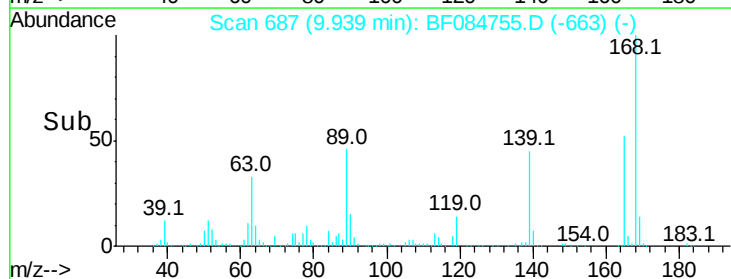
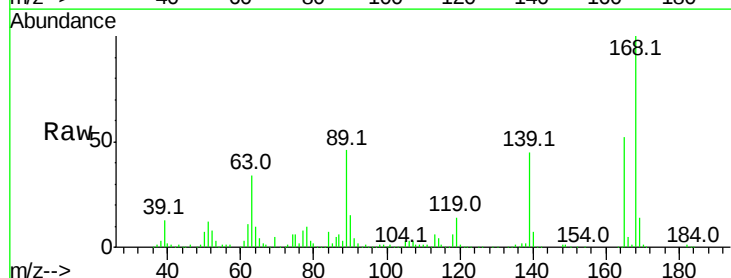
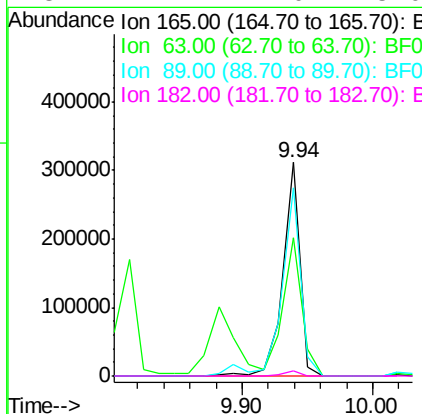
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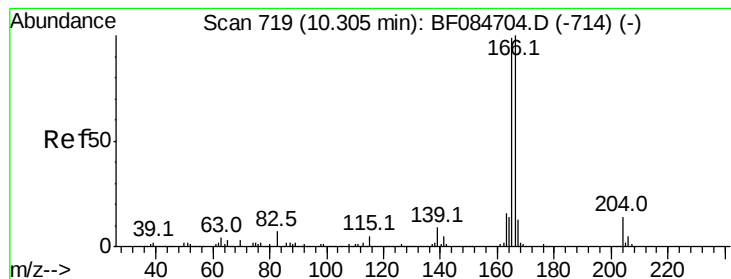
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#56
2,4-Dinitrotoluene
Concen: 40.54 ng
RT: 9.94 min Scan# 687
Delta R.T. -0.02 min
Lab File: BF084755.D
Acq: 2 Feb 2016 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
165	100	286933		
63	64.8	36.7	55.1	
89	88.4	61.9	92.9	
182	2.2	2.0	3.0	





#57

Fluorene

Concen: 39.11 ng

RT: 10.28 min Scan# 717

Delta R.T. -0.02 min

Lab File: BF084755.D

Acq: 2 Feb 2016 19:36

Instrument :

BNA_F

ClientSampleId :

PB88135BS

Tot Ion:166 Resp: 864555

Ion Ratio Lower Upper

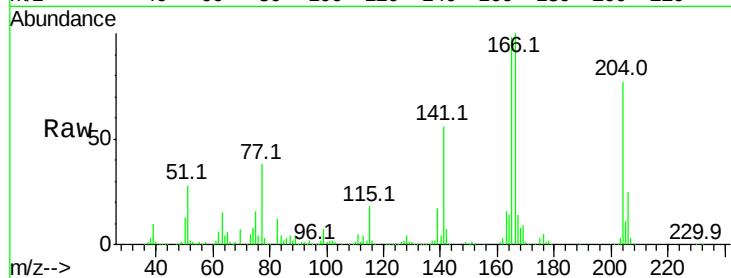
166 100

165 98.2 79.1 118.7

167 14.0 10.4 15.6

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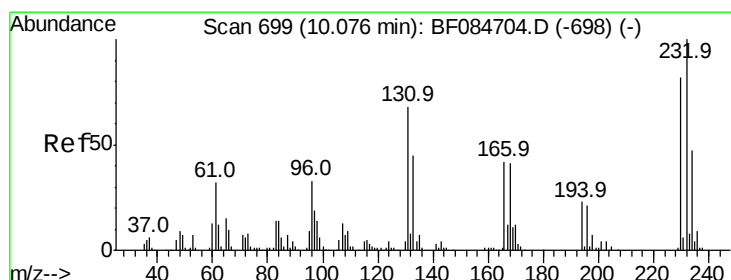
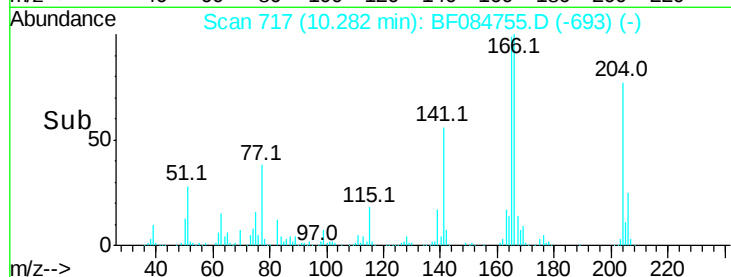
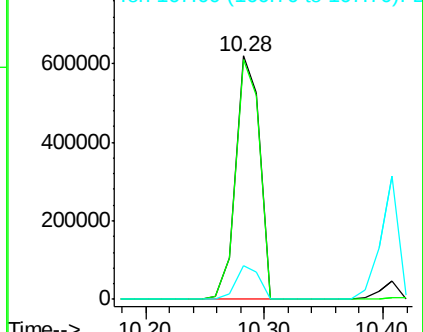


Abundance

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: 43.97 ng

RT: 10.06 min Scan# 698

Delta R.T. -0.02 min

Lab File: BF084755.D

Acq: 2 Feb 2016 19:36

Tgt Ion:232 Resp: 232090

Ion Ratio Lower Upper

232 100

131 52.2 47.0 70.6

130 2.4 2.0 3.0

166 31.5 30.5 45.7

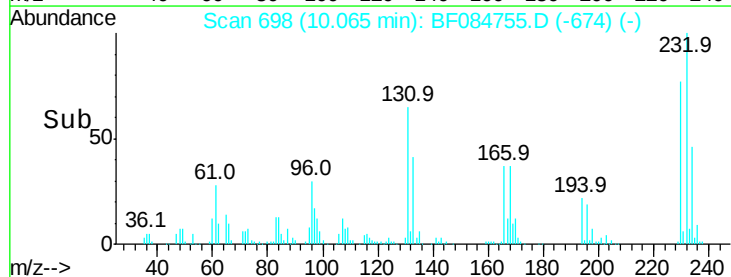
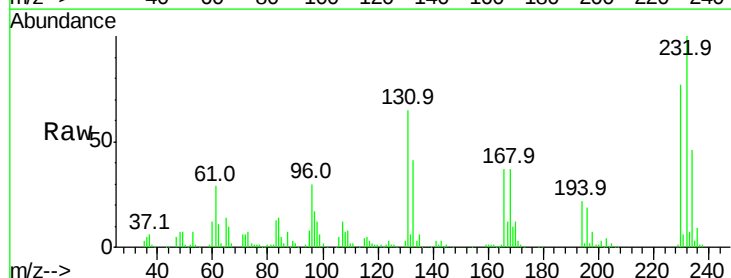
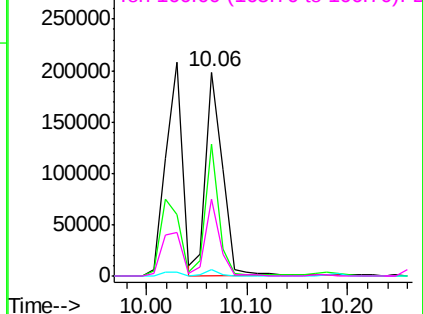
Abundance

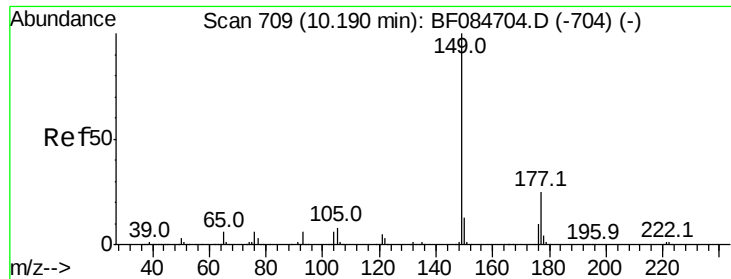
Ion 232.00 (231.70 to 232.70): E

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





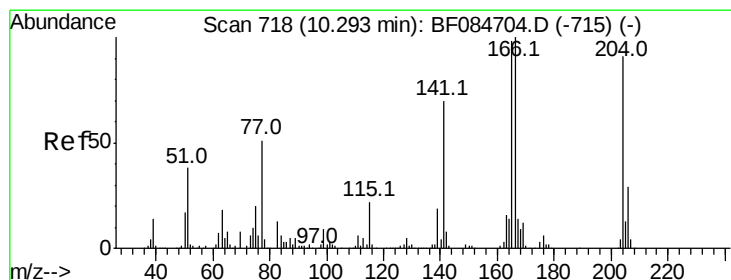
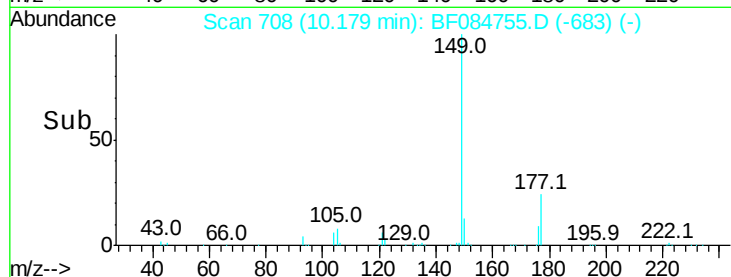
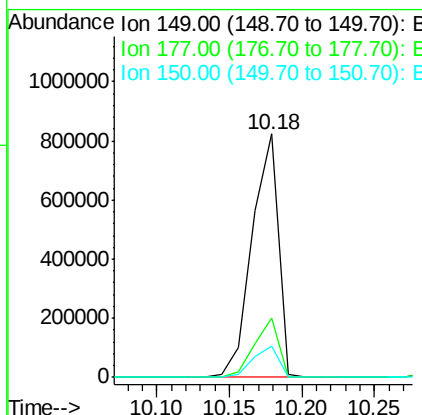
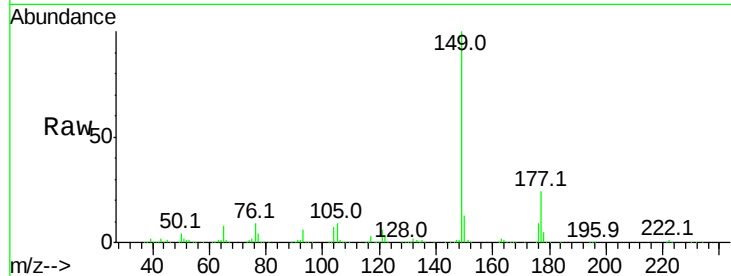
#59
Diethylphthalate
Concen: 41.64 ng
RT: 10.18 min Scan# 708
Delta R.T. -0.01 min
Lab File: BF084755.D
Acq: 2 Feb 2016 19:36

Instrument :
BNA_F
ClientSampled :
PB88135BS

Tot Ion:149 Resp: 1032781
Ion Ratio Lower Upper
149 100
177 24.4 17.3 25.9
150 12.7 9.8 14.8

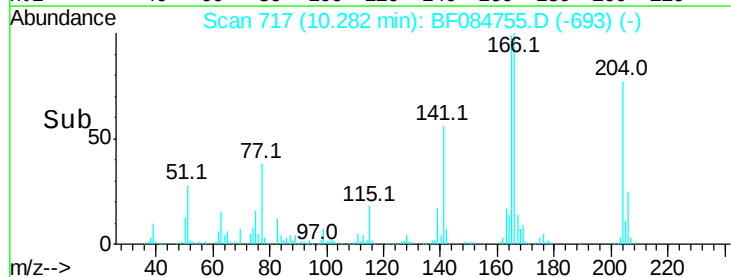
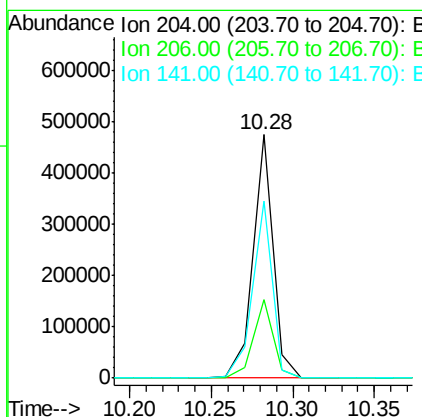
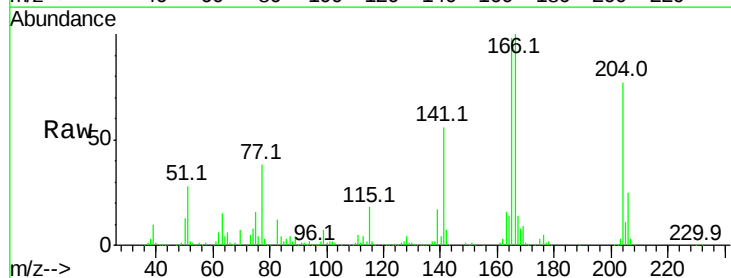
Manual Integrations
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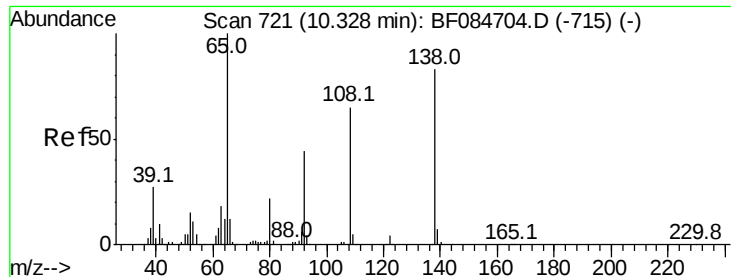
MMDadoda
2/3/2016 6:25:39 PM



#60
4-Chlorophenyl-phenylether
Concen: 43.66 ng
RT: 10.28 min Scan# 717
Delta R.T. -0.02 min
Lab File: BF084755.D
Acq: 2 Feb 2016 19:36

Tgt Ion:204 Resp: 407500
Ion Ratio Lower Upper
204 100
206 32.3 25.7 38.5
141 72.6 55.1 82.7





#61

4-Nitroaniline

Concen: 35.21 ng

RT: 10.32 min Scan# 720

Delta R.T. -0.02 min

Lab File: BF084755.D

Acq: 2 Feb 2016 19:36

Instrument :

BNA_F

ClientSampled :

PB88135BS

Tot Ion:138 Resp: 213922

Ion Ratio Lower Upper

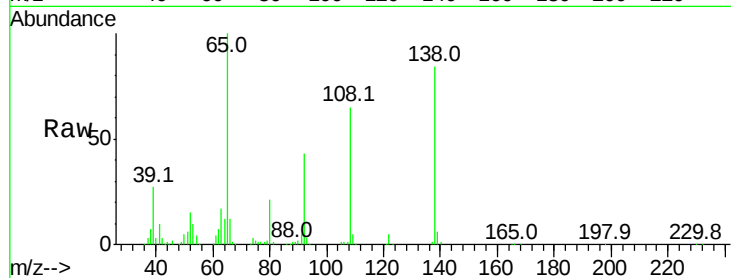
138 100

92 51.7 32.6 72.6

108 78.0 68.6 108.6

Manual Integrations
APPROVED

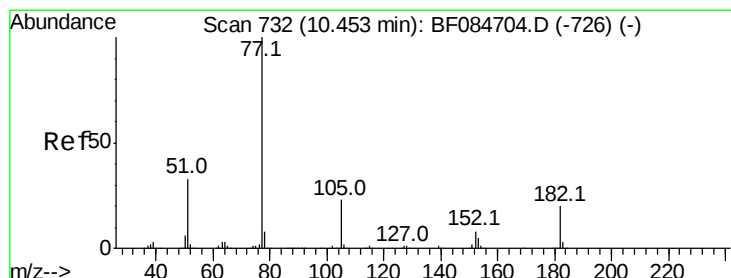
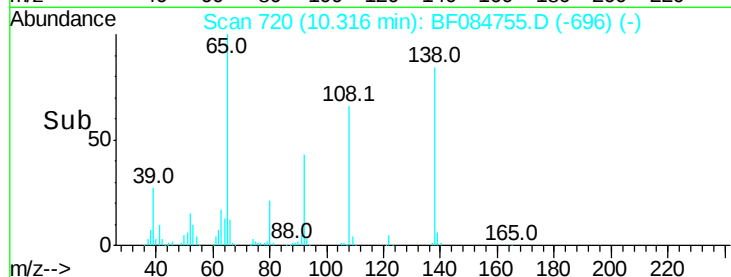
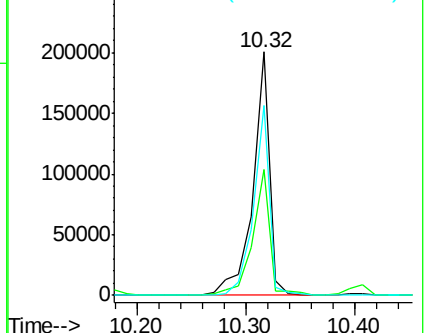
MMDadoda
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Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E



#62

Azobenzene

Concen: 44.97 ng

RT: 10.44 min Scan# 731

Delta R.T. -0.02 min

Lab File: BF084755.D

Acq: 2 Feb 2016 19:36

Tgt Ion: 77 Resp: 1072626

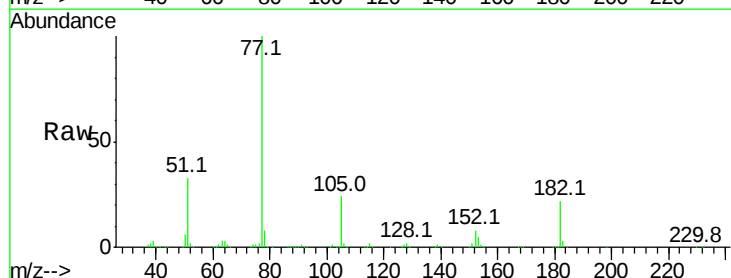
Ion Ratio Lower Upper

77 100

182 22.3 8.3 48.3

105 24.0 4.6 44.6

51 32.8 6.2 46.2

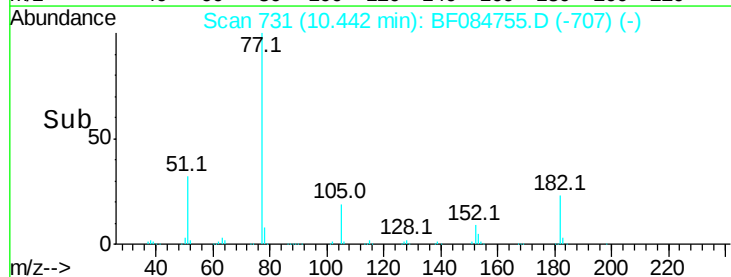
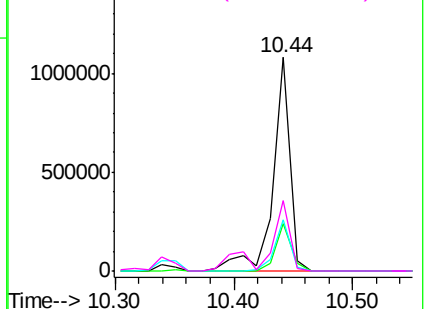


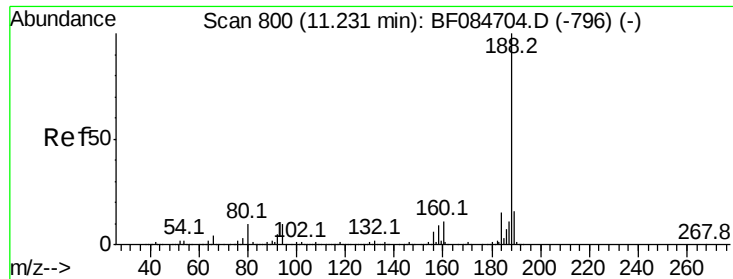
Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0





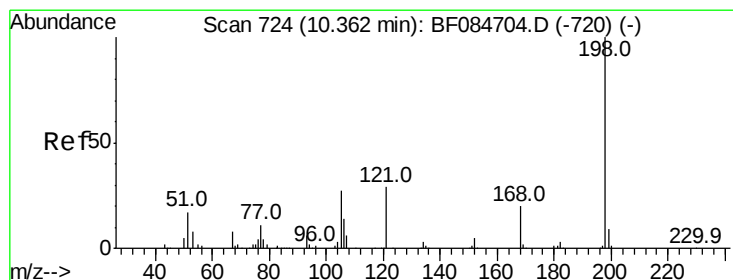
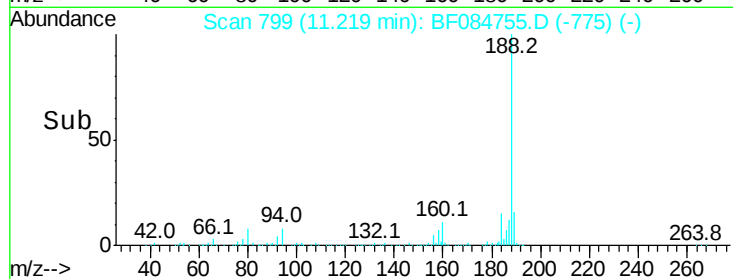
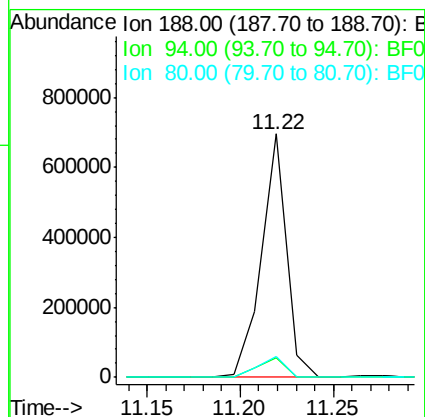
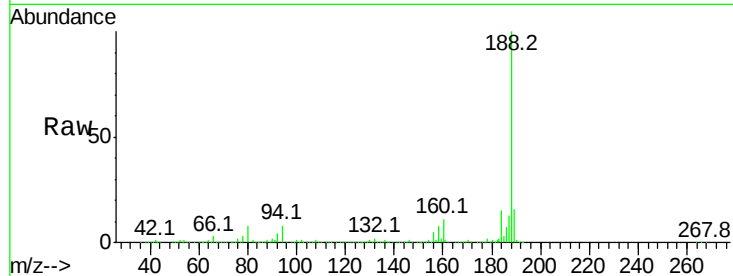
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.22 min Scan# 799
Delta R.T. -0.02 min
Lab File: BF084755.D
Acq: 2 Feb 2016 19:36

Instrument :
BNA_F
ClientSampleId :
PB88135BS

Tot Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	8.3	9.0	13.4#
80	8.5	9.6	14.4#

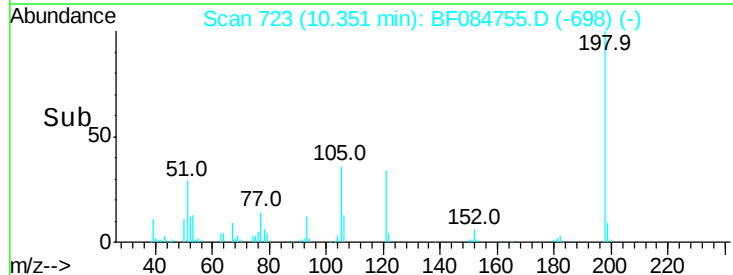
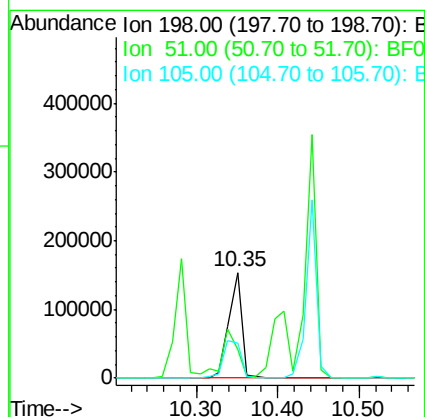
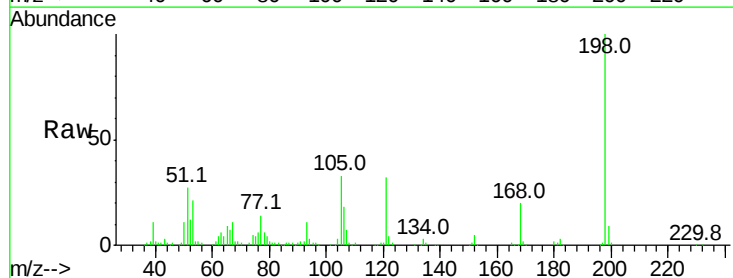
Manual Integrations
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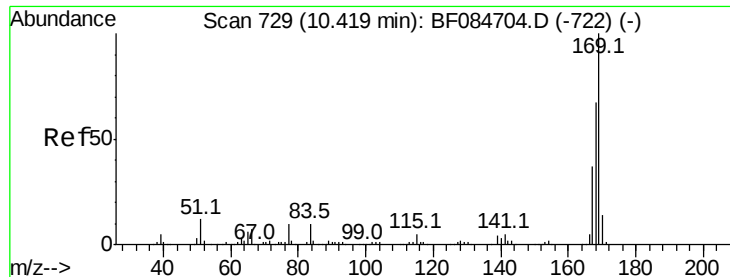
MMDadoda
2/3/2016 6:25:39 PM



#64
4,6-Dinitro-2-methylphenol
Concen: 42.24 ng
RT: 10.35 min Scan# 723
Delta R.T. -0.01 min
Lab File: BF084755.D
Acq: 2 Feb 2016 19:36

Tgt Ion	Ratio	Resp Lower	Resp Upper
198	100		
51	27.2	18.9	58.9
105	33.2	26.4	66.4





#65

n-Nitrosodiphenylamine

Concen: 42.11 ng

RT: 10.41 min Scan# 728

Delta R.T. -0.02 min

Lab File: BF084755.D

Acq: 2 Feb 2016 19:36

Instrument :

BNA_F

ClientSampleId :

PB88135BS

Tot Ion:169 Resp: 878822

Ion Ratio Lower Upper

169 100

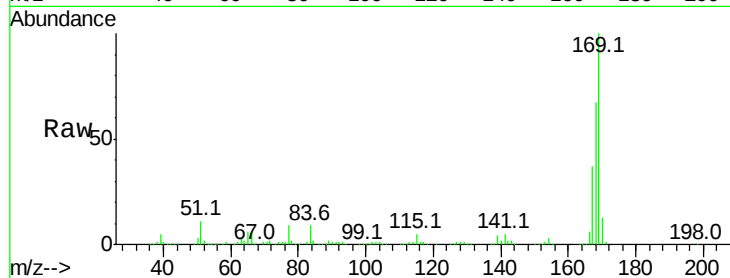
168 66.6 55.1 82.7

167 37.4 30.0 45.0

Manual Integrations
APPROVED

MMDadoda

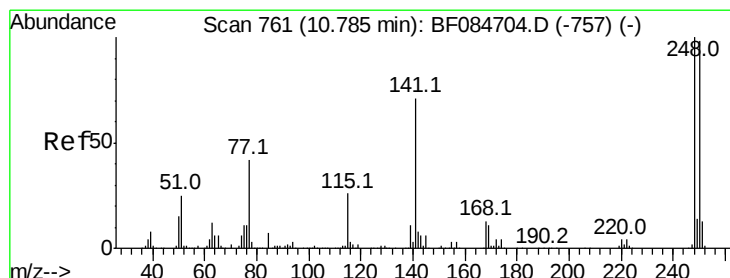
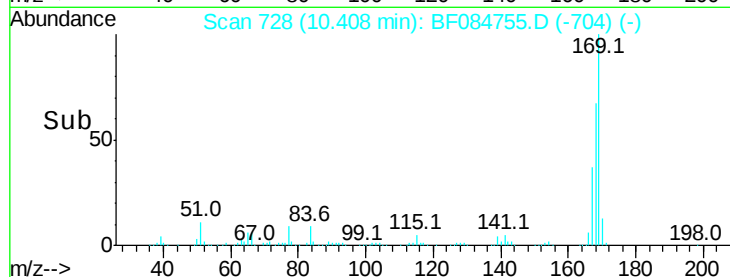
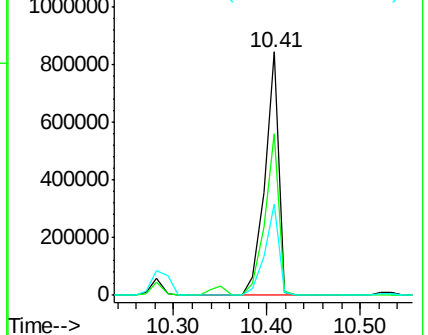
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Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 40.18 ng

RT: 10.77 min Scan# 760

Delta R.T. -0.02 min

Lab File: BF084755.D

Acq: 2 Feb 2016 19:36

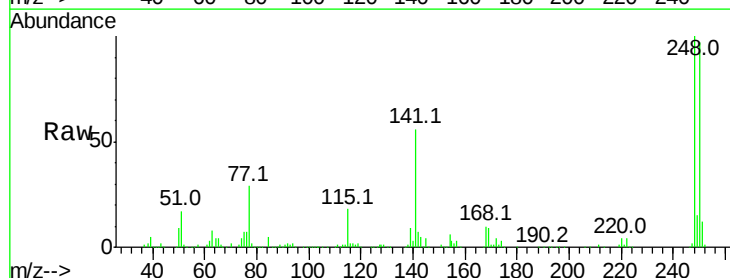
Tgt Ion:248 Resp: 291707

Ion Ratio Lower Upper

248 100

250 97.5 78.4 117.6

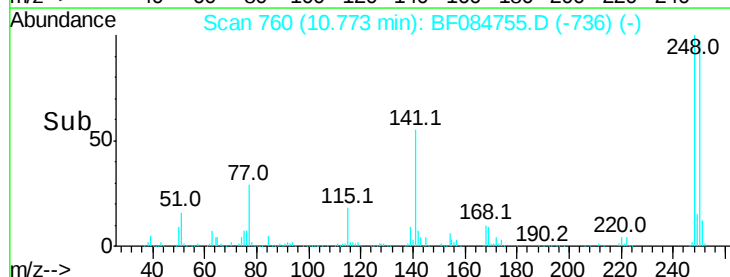
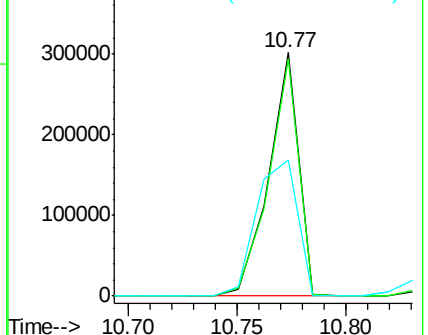
141 55.9 44.0 66.0

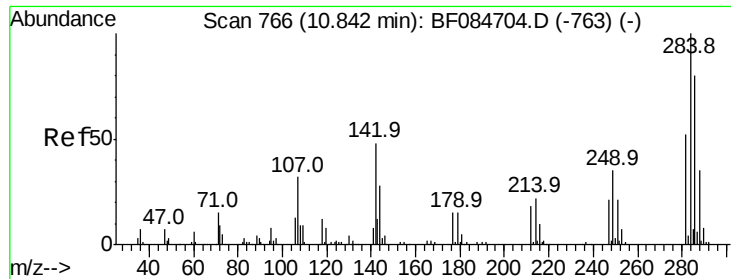


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





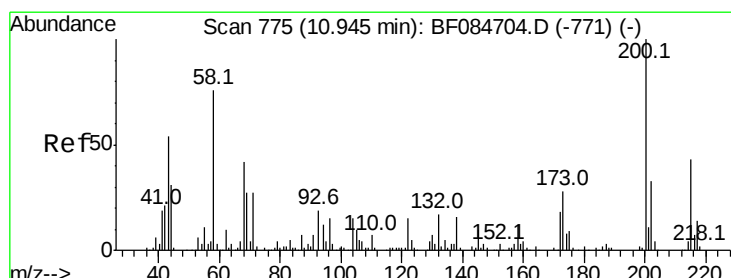
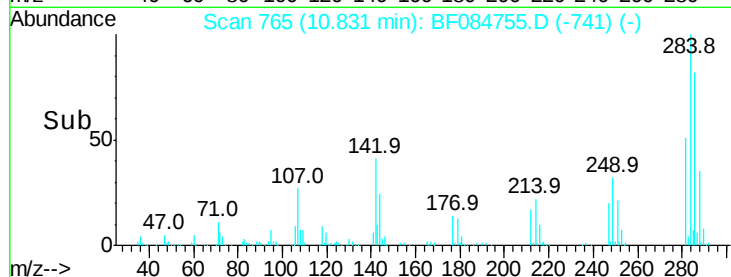
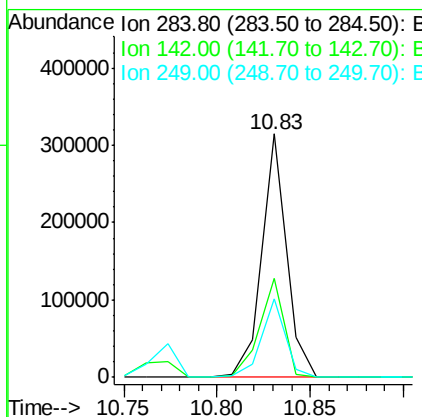
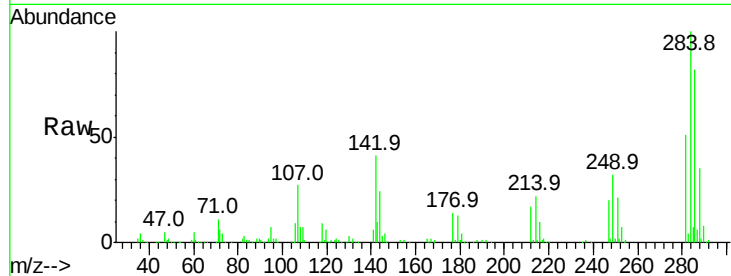
#67
Hexachlorobenzene
Concen: 36.25 ng
RT: 10.83 min Scan# 765
Delta R.T. -0.02 min
Lab File: BF084755.D
Acq: 2 Feb 2016 19:36

Instrument :
BNA_F
ClientSampleId :
PB88135BS

Tot Ion	Ratio	Resp	Lower	Upper
284	100			
142	40.7	22.2	33.4#	
249	32.1	24.6	37.0	

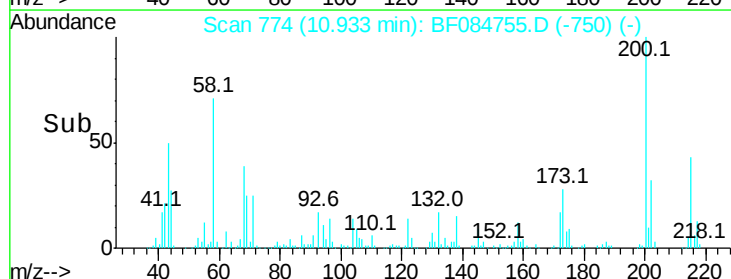
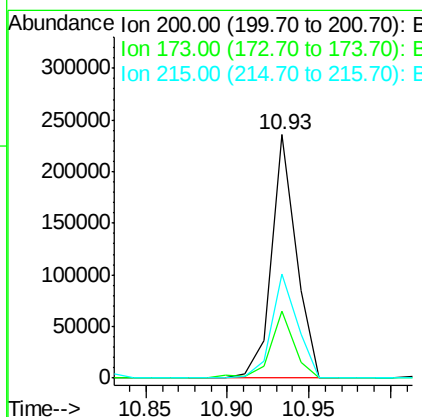
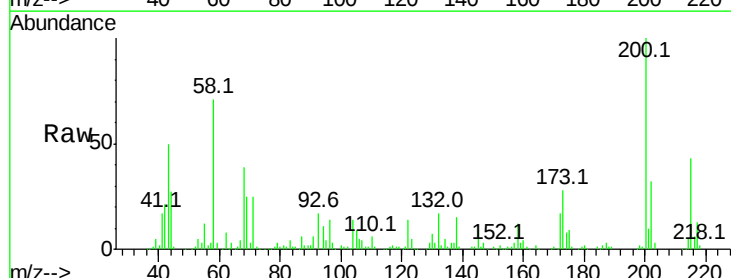
Manual Integrations
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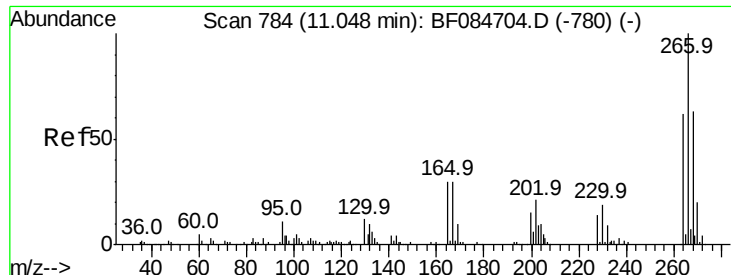
MMDadoda
2/3/2016 6:25:39 PM



#68
Atrazine
Concen: 37.60 ng
RT: 10.93 min Scan# 774
Delta R.T. -0.02 min
Lab File: BF084755.D
Acq: 2 Feb 2016 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
200	100			
173	27.7	9.5	49.5	
215	42.5	23.8	63.8	





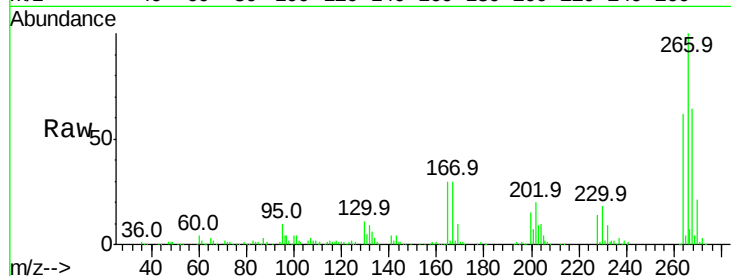
#69
 Pentachlorophenol
 Concen: 79.02 ng
 RT: 11.04 min Scan# 783
 Delta R.T. -0.01 min
 Lab File: BF084755.D
 Acq: 2 Feb 2016 19:36

Instrument :
 BNA_F
 ClientSampleId :
 PB88135BS

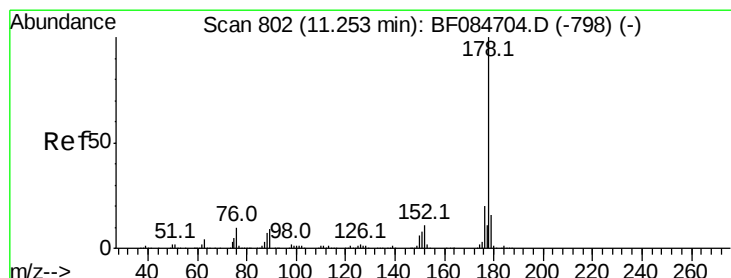
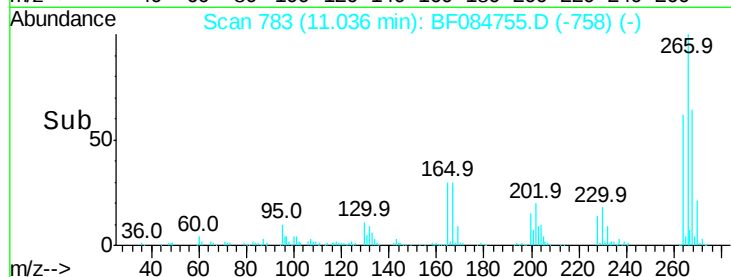
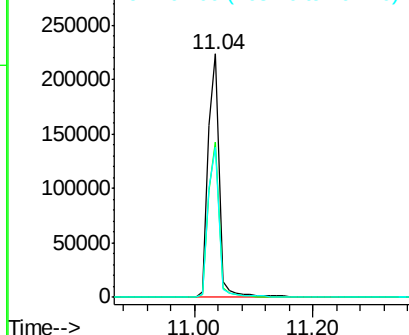
Tot Ion	Ratio	Resp	Lower	Upper
266	100	293760		
268	64.0		52.4	78.6
264	61.7		50.2	75.2

Manual Integrations
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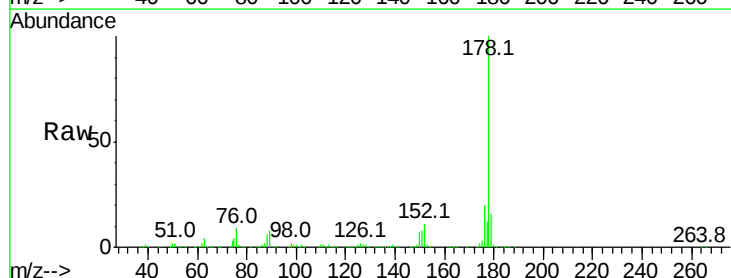


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

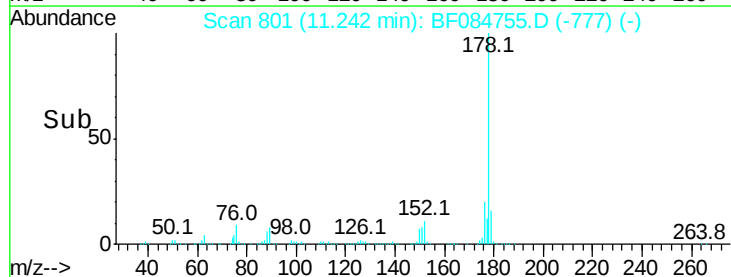
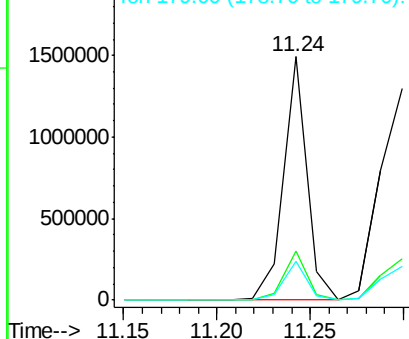


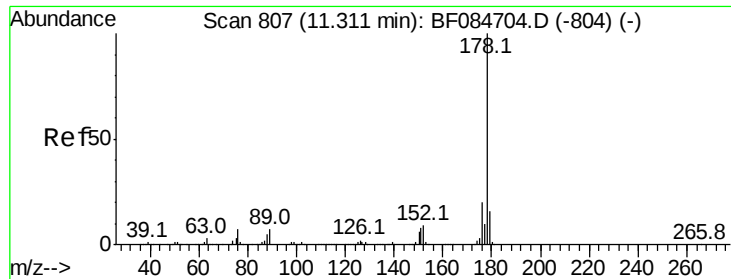
#70
 Phenanthrene
 Concen: 35.92 ng
 RT: 11.24 min Scan# 801
 Delta R.T. -0.02 min
 Lab File: BF084755.D
 Acq: 2 Feb 2016 19:36

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1309591		
176	20.1		15.3	22.9
179	15.9		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





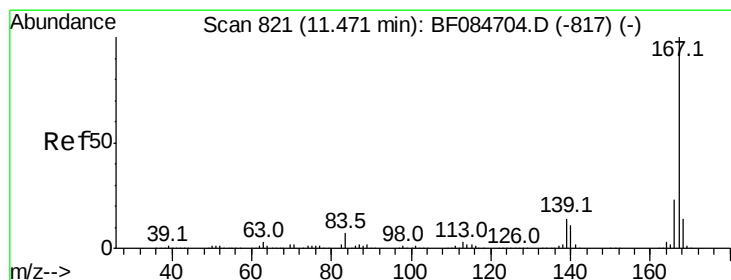
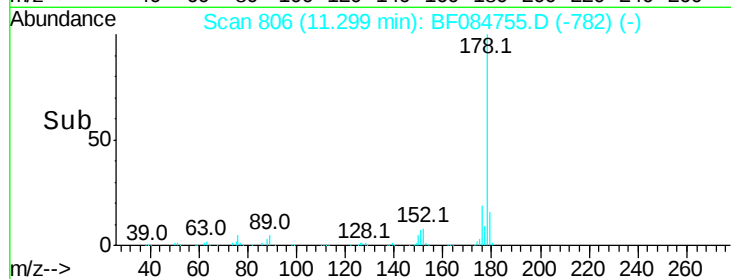
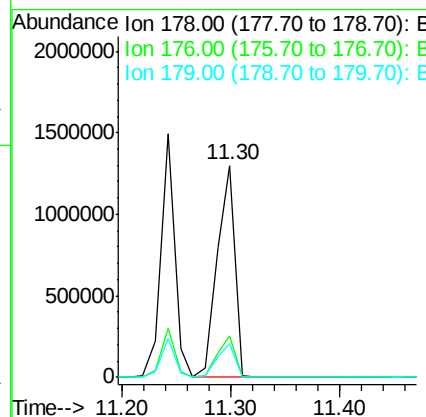
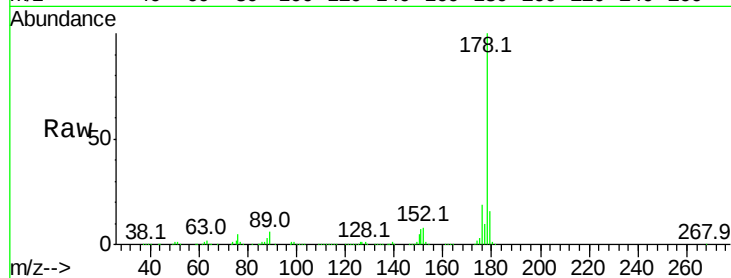
#71
 Anthracene
 Concen: 40.55 ng
 RT: 11.30 min Scan# 806
 Delta R.T. -0.02 min
 Lab File: BF084755.D
 Acq: 2 Feb 2016 19:36

Instrument :
 BNA_F
 ClientSampleId :
 PB88135BS

Tot Ion:178 Resp: 1489632
 Ion Ratio Lower Upper
 178 100
 176 19.4 15.4 23.0
 179 15.7 12.5 18.7

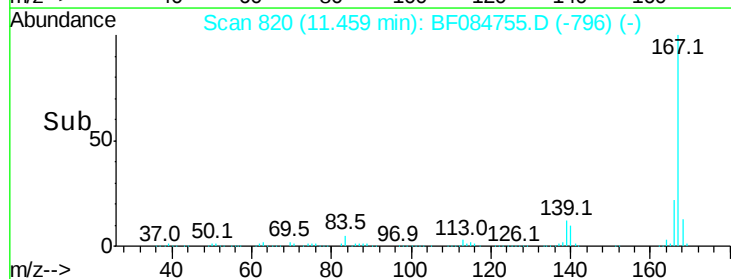
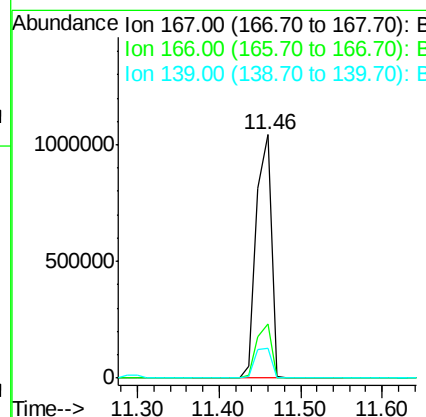
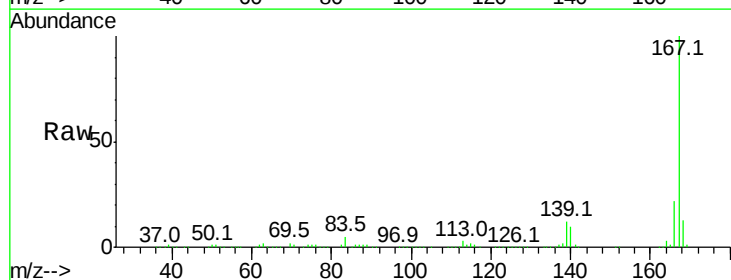
Manual Integrations
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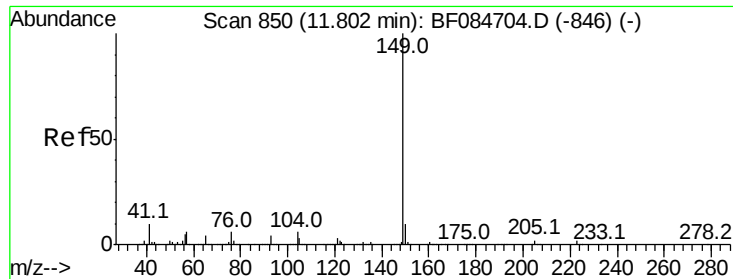
MMDadoda
 2/3/2016 6:25:39 PM



#72
 Carbazole
 Concen: 41.17 ng
 RT: 11.46 min Scan# 820
 Delta R.T. -0.02 min
 Lab File: BF084755.D
 Acq: 2 Feb 2016 19:36

Tgt Ion:167 Resp: 1318860
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.6 26.4
 139 12.4 11.8 17.8





#73

Di-n-butylphthalate

Concen: 35.06 ng

RT: 11.79 min Scan# 849

Delta R.T. -0.02 min

Lab File: BF084755.D

Acq: 2 Feb 2016 19:36

Instrument :

BNA_F

ClientSampleId :

PB88135BS

Tot Ion:149 Resp: 1429839

Ion Ratio Lower Upper

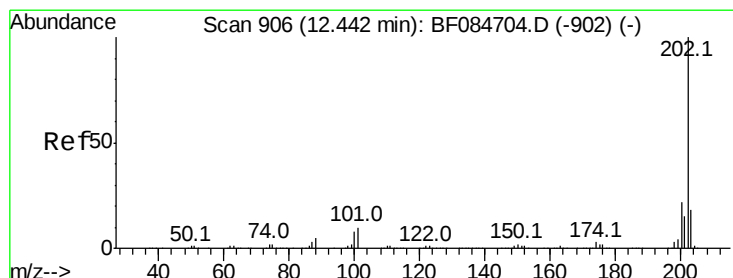
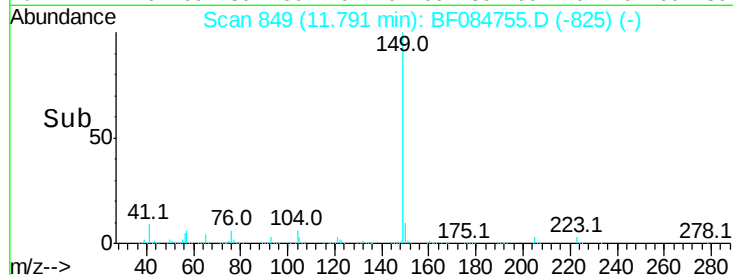
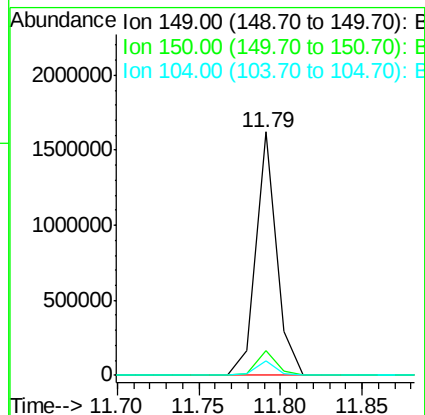
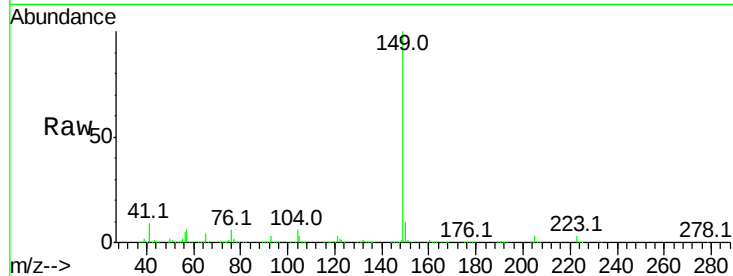
149 100

150 10.0 7.1 10.7

104 6.0 3.2 4.8#

Manual Integrations
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#74

Fluoranthene

Concen: 40.69 ng

RT: 12.43 min Scan# 905

Delta R.T. -0.02 min

Lab File: BF084755.D

Acq: 2 Feb 2016 19:36

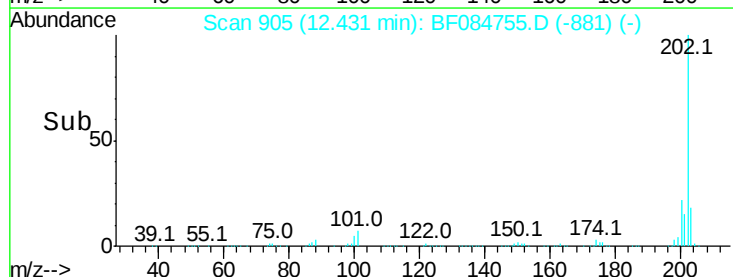
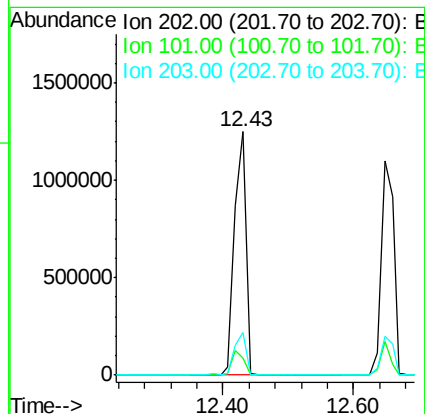
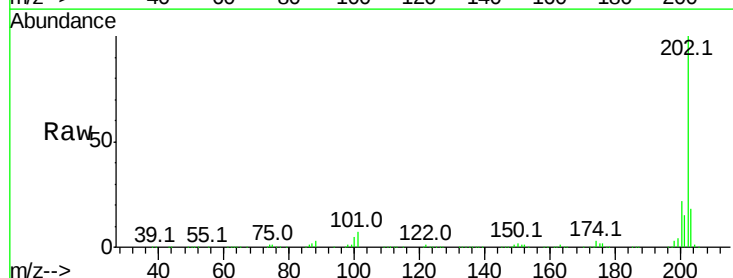
Tgt Ion:202 Resp: 1501255

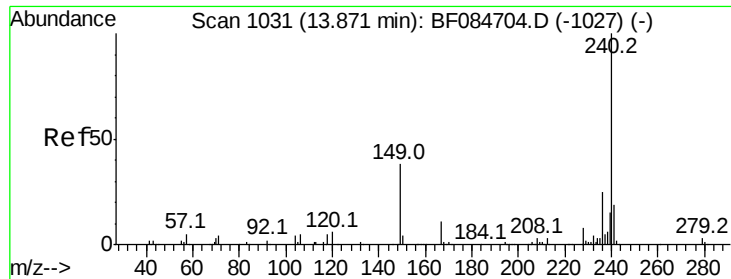
Ion Ratio Lower Upper

202 100

101 6.9 0.0 32.8

203 17.7 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: BF084755.D

Acq: 2 Feb 2016 19:36

Instrument :

BNA_F

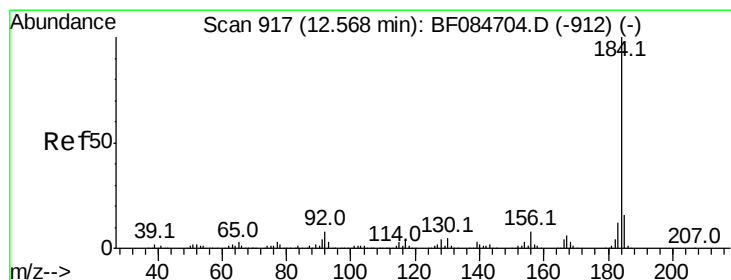
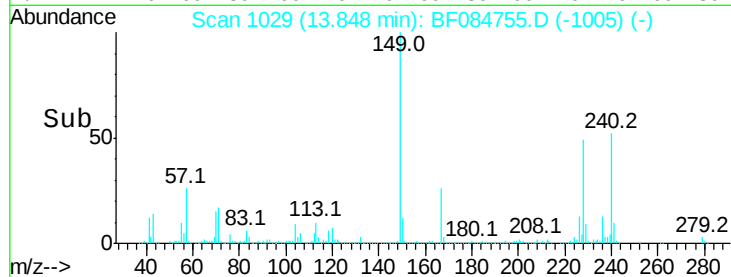
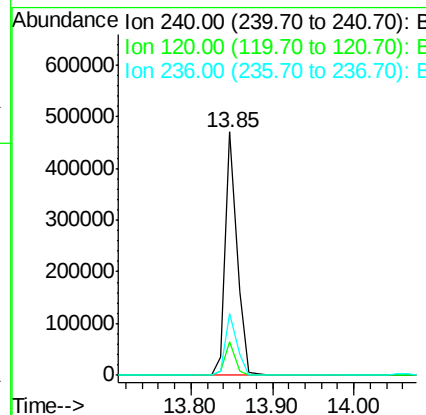
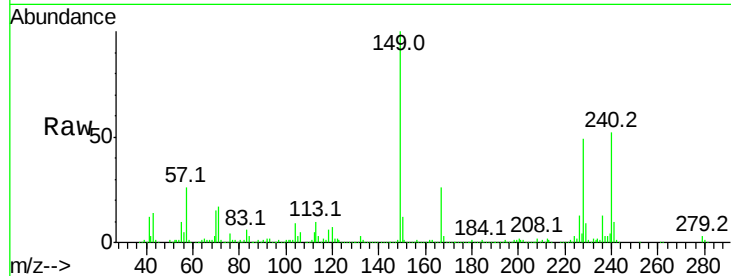
ClientSampleId :

PB88135BS

Tot Ion	Ratio	Lower	Upper
240	100		
120	14.0	9.5	14.3
236	25.2	20.6	31.0

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#76

Benzidine

Concen: 20.97 ng

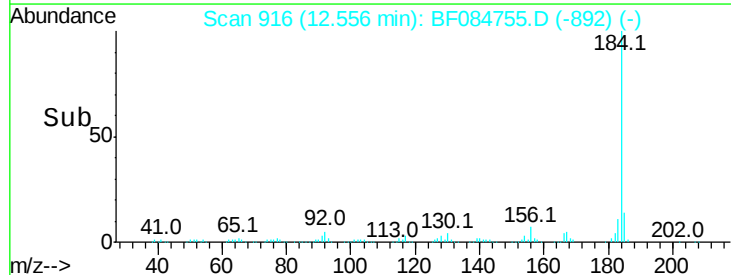
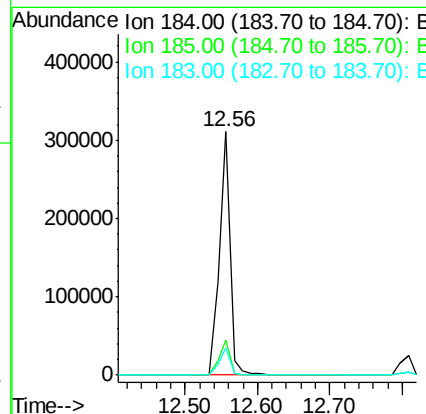
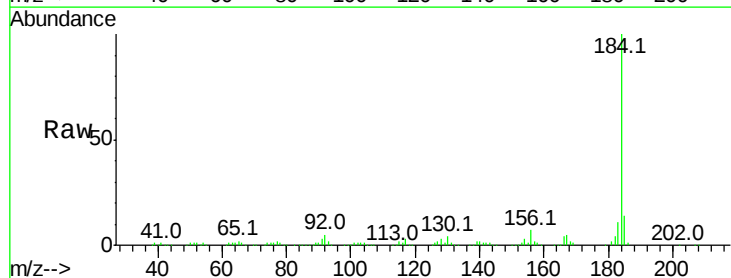
RT: 12.56 min Scan# 916

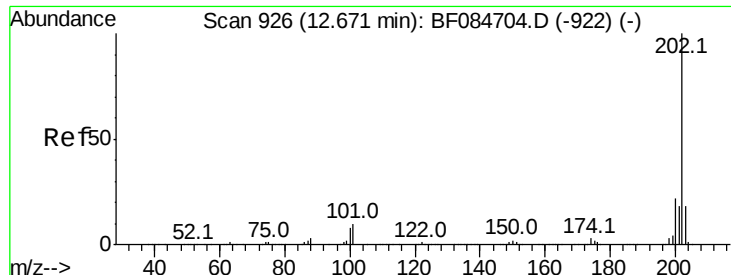
Delta R.T. -0.02 min

Lab File: BF084755.D

Acq: 2 Feb 2016 19:36

Tgt Ion	Ratio	Lower	Upper
184	100		
185	14.1	12.2	18.2
183	11.4	9.8	14.8





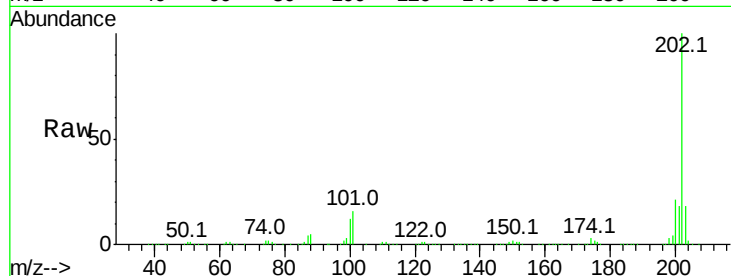
#77
Pvrene
Concen: 41.08 ng
RT: 12.65 min Scan# 924
Delta R.T. -0.03 min
Lab File: BF084755.D
Acq: 2 Feb 2016 19:36

Instrument :
BNA_F
ClientSampleId :
PB88135BS

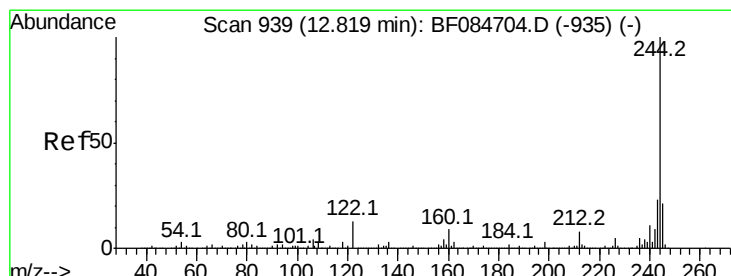
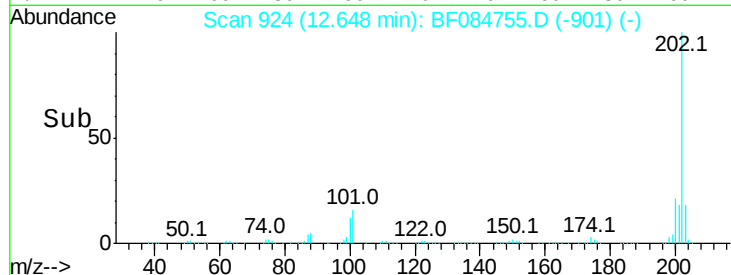
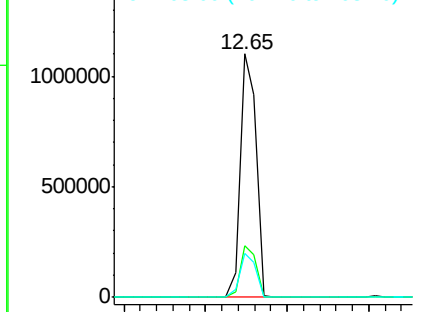
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.2	25.8
203	18.2	14.3	21.5

Manual Integrations
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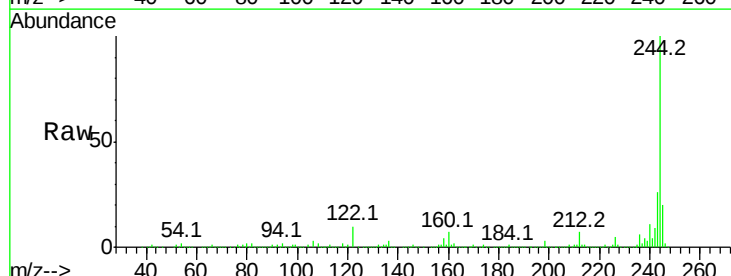


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

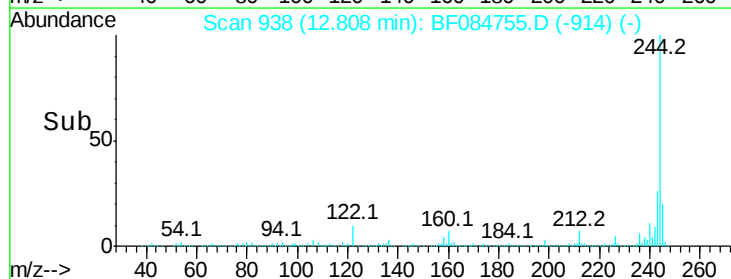
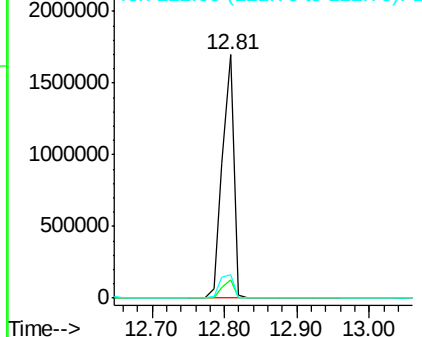


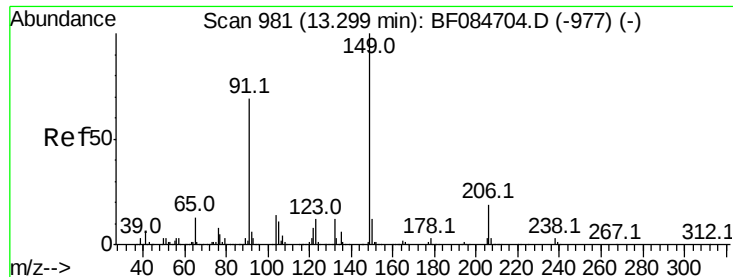
#78
Terphenyl-d14
Concen: 90.95 ng
RT: 12.81 min Scan# 938
Delta R.T. -0.02 min
Lab File: BF084755.D
Acq: 2 Feb 2016 19:36

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.7	8.5
122	9.6	7.4	11.0



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#79

Butylbenzylphthalate

Concen: 41.64 ng

RT: 13.29 min Scan# 980

Delta R.T. -0.02 min

Lab File: BF084755.D

Acq: 2 Feb 2016 19:36

Instrument :

BNA_F

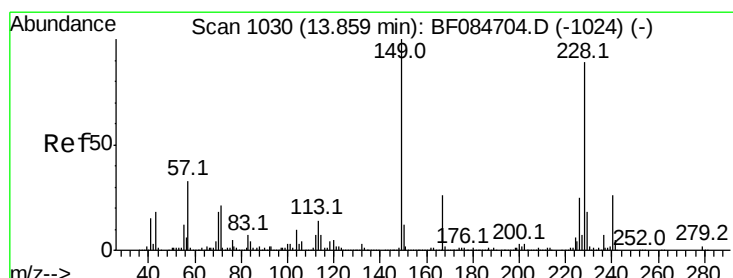
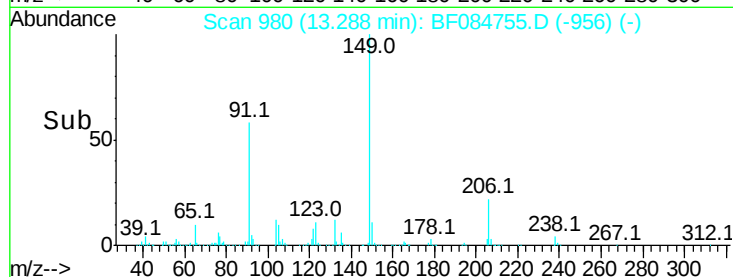
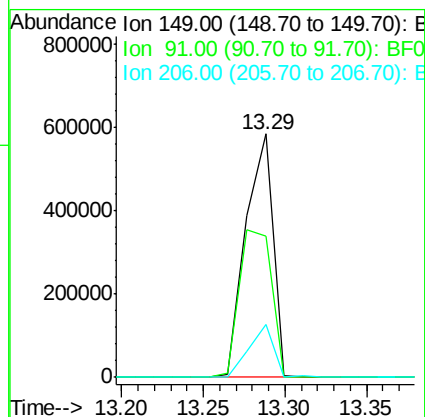
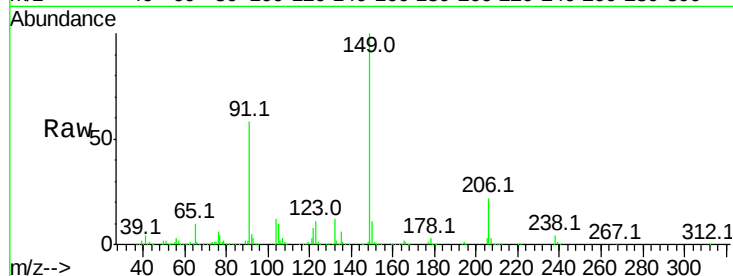
ClientSampleId :

PB88135BS

Tot Ion:	149	Resp:	676788
Ion Ratio	Lower	Upper	
149	100		
91	58.1	57.6	86.4
206	21.6	13.2	19.8

Manual Integrations
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#80

Benzo(a)anthracene

Concen: 40.25 ng

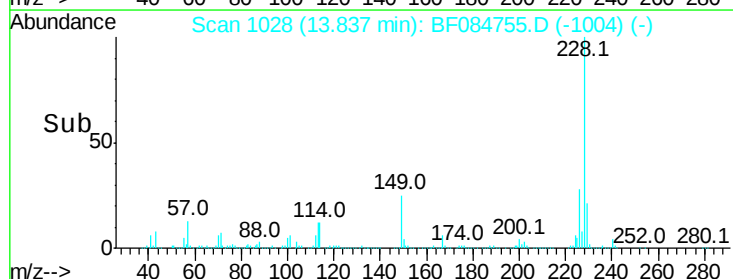
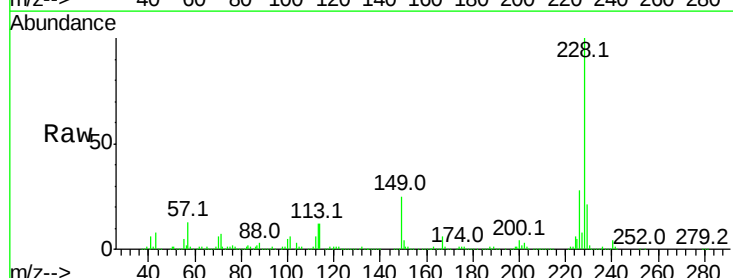
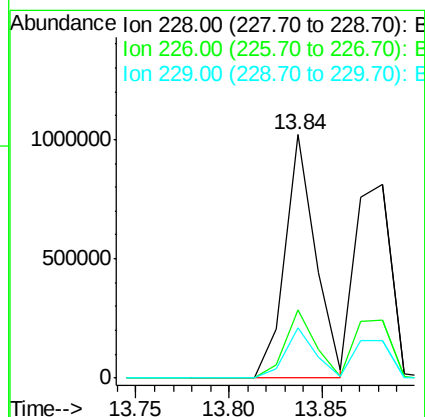
RT: 13.84 min Scan# 1028

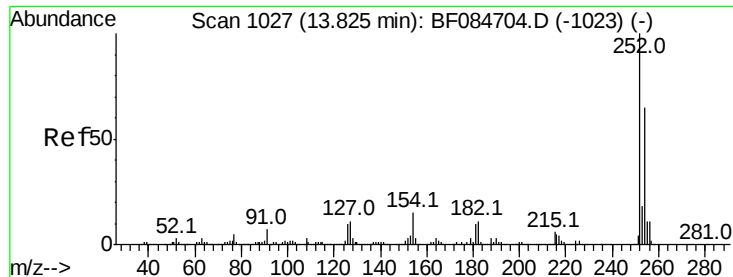
Delta R.T. -0.02 min

Lab File: BF084755.D

Acq: 2 Feb 2016 19:36

Tgt Ion:	228	Resp:	1169135
Ion Ratio	Lower	Upper	
228	100		
226	27.9	21.8	32.6
229	20.8	15.8	23.8





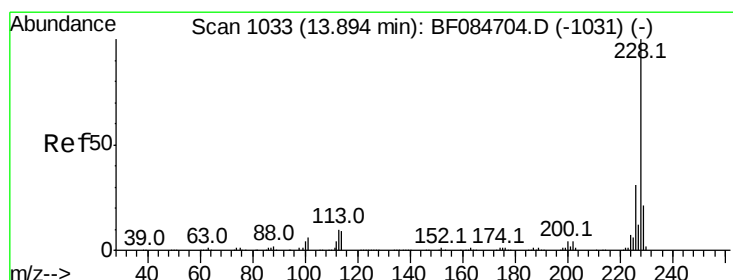
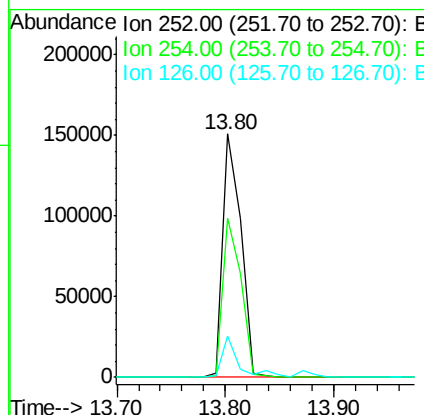
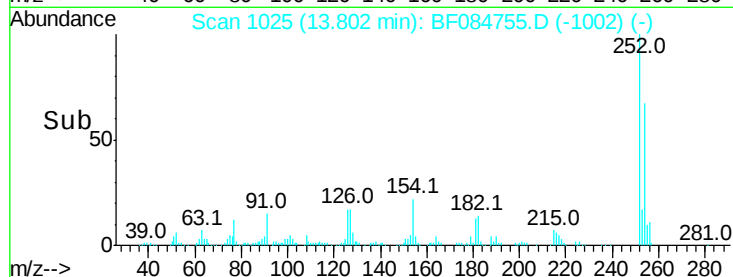
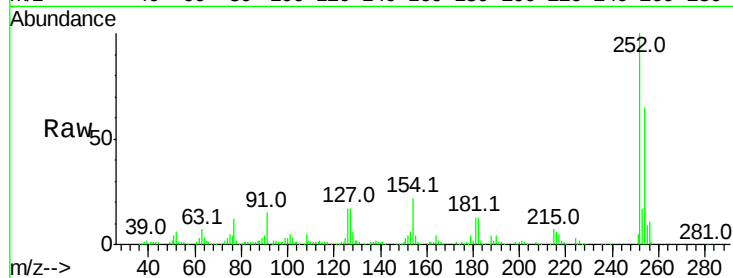
#81
 3,3'-Dichlorobenzidine
 Concen: 17.12 ng
 RT: 13.80 min Scan# 1025
 Delta R.T. -0.03 min
 Lab File: BF084755.D
 Acq: 2 Feb 2016 19:36

Instrument :
 BNA_F
 ClientSampleId :
 PB88135BS

Tot Ion	Ratio	Resp Lower	Upper
252	100		
254	65.4	53.5	80.3
126	16.9	4.9	7.3

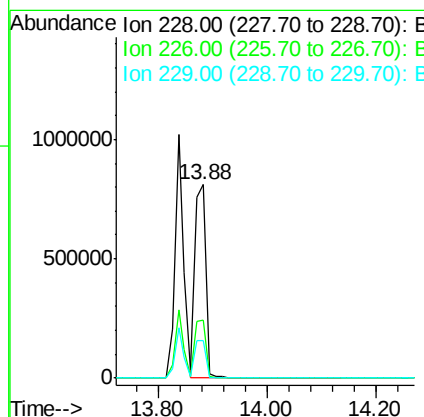
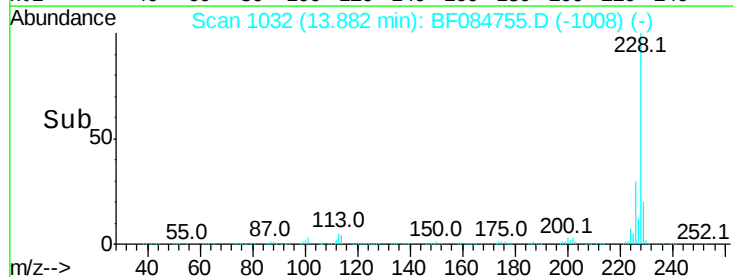
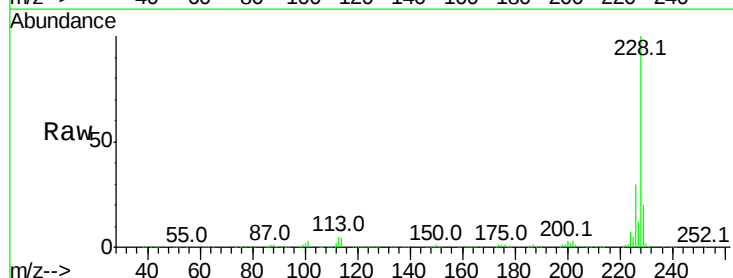
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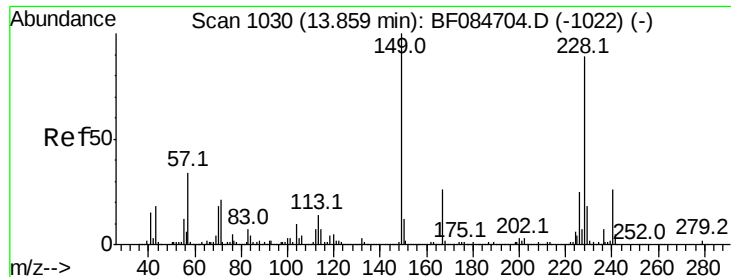
MMDadoda
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#82
 Chrysene
 Concen: 39.21 ng
 RT: 13.88 min Scan# 1032
 Delta R.T. -0.02 min
 Lab File: BF084755.D
 Acq: 2 Feb 2016 19:36

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	30.4	24.3	36.5
229	19.6	16.1	24.1





#83

Bis(2-ethylhexyl)phthalate

Concen: 41.01 ng

RT: 13.85 min Scan# 1029

Delta R.T. -0.02 min

Lab File: BF084755.D

Acq: 2 Feb 2016 19:36

Instrument :

BNA_F

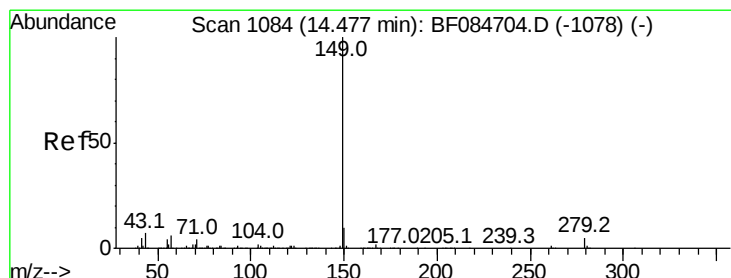
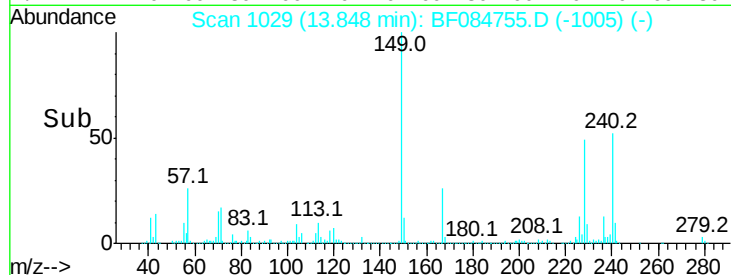
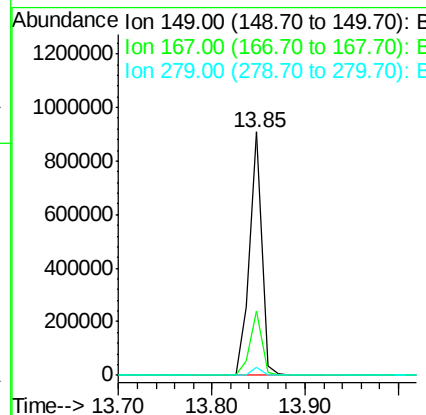
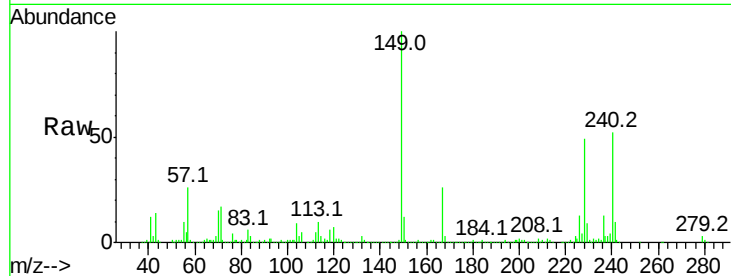
ClientSampleId :

PB88135BS

Tot Ion	Ratio	Lower	Upper
149	100		
167	26.4	19.7	29.5
279	3.2	1.8	2.6

Manual Integrations
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#84

Di-n-octyl phthalate

Concen: 38.24 ng

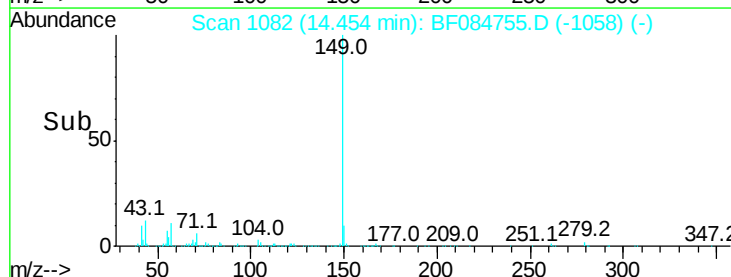
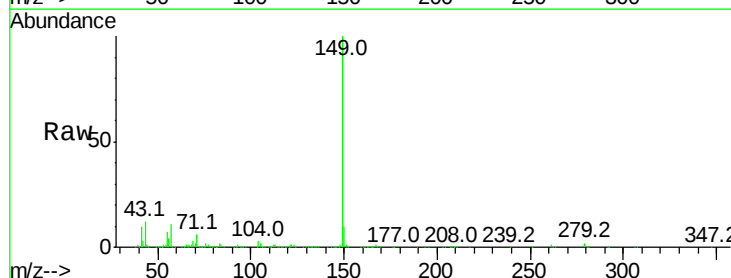
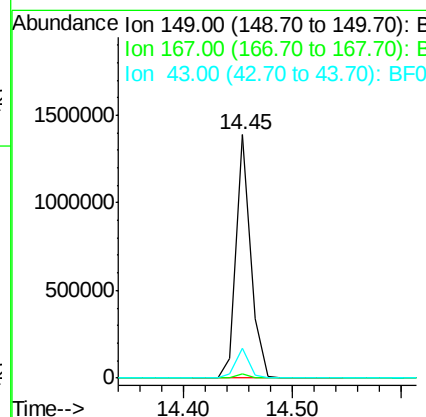
RT: 14.45 min Scan# 1082

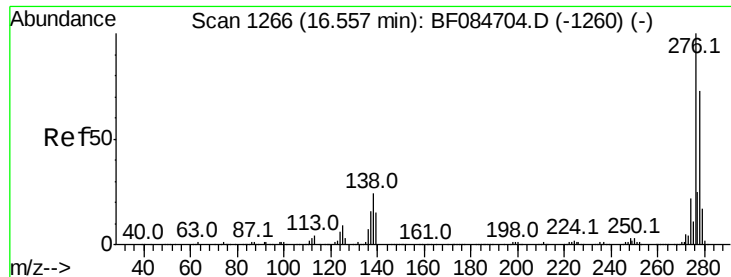
Delta R.T. -0.02 min

Lab File: BF084755.D

Acq: 2 Feb 2016 19:36

Tgt Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	11.7	5.6	8.4





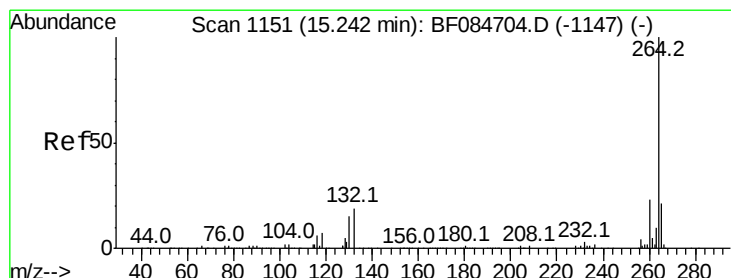
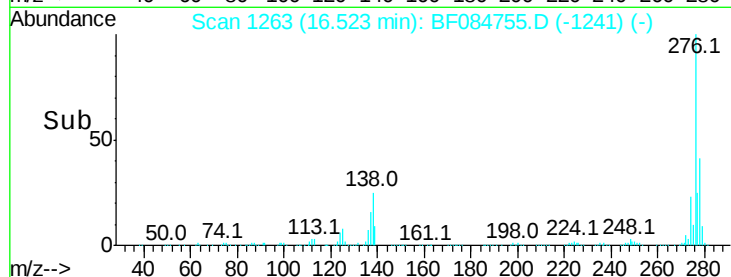
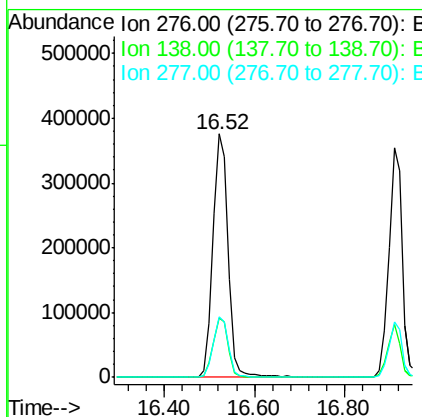
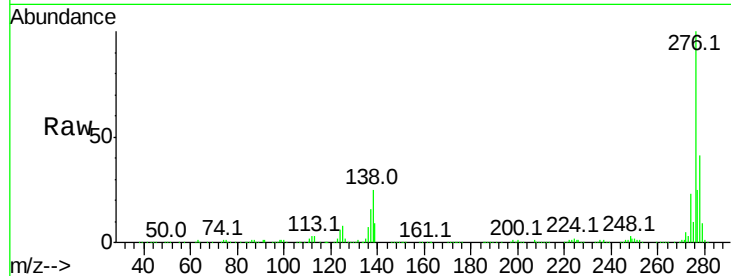
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 40.13 ng
 RT: 16.52 min Scan# 1263
 Delta R.T. -0.05 min
 Lab File: BF084755.D
 Acq: 2 Feb 2016 19:36

Instrument :
 BNA_F
 ClientSampleId :
 PB88135BS

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.4	20.6	30.8
277	24.9	20.1	30.1

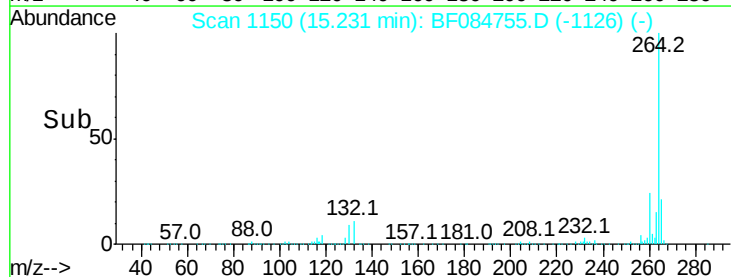
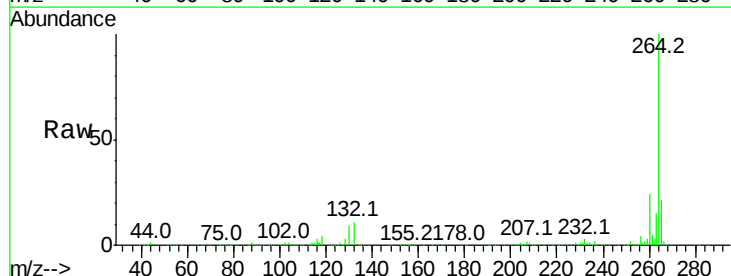
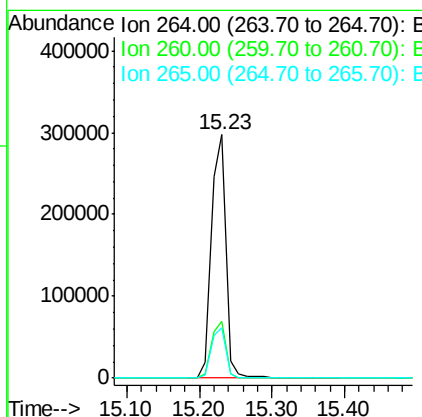
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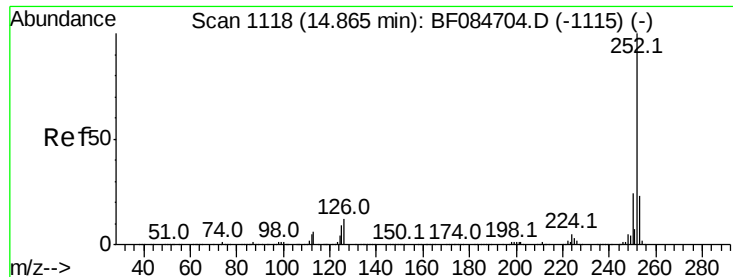
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#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.23 min Scan# 1150
 Delta R.T. -0.02 min
 Lab File: BF084755.D
 Acq: 2 Feb 2016 19:36

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.4	29.2
265	20.9	17.8	26.6





#87

Benzo(b)fluoranthene

Concen: 45.62 ng m

RT: 14.84 min Scan# 1116

Delta R.T. -0.03 min

Lab File: BF084755.D

Acq: 2 Feb 2016 19:36

Instrument :

BNA_F

ClientSampleId :

PB88135BS

Tot Ion:252 Resp: 1258318

Ion Ratio Lower Upper

252 100

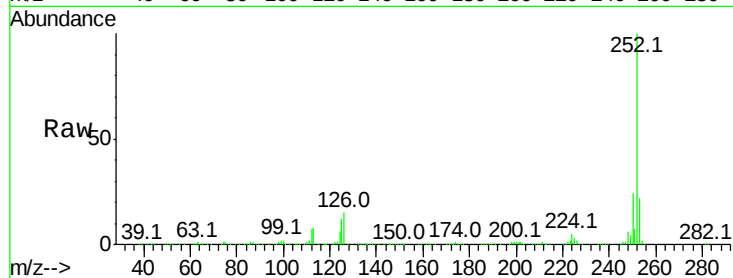
253 22.2 17.3 25.9

125 12.1 6.5 9.7#

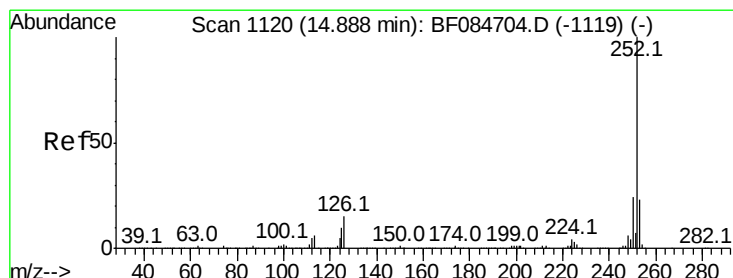
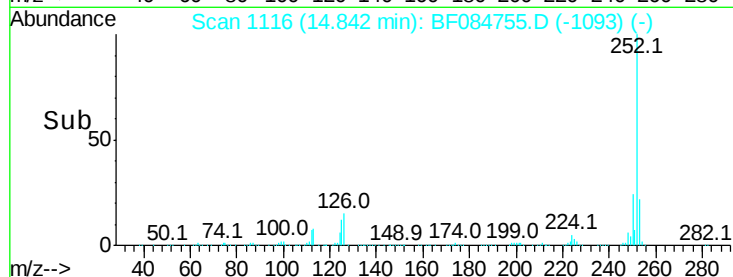
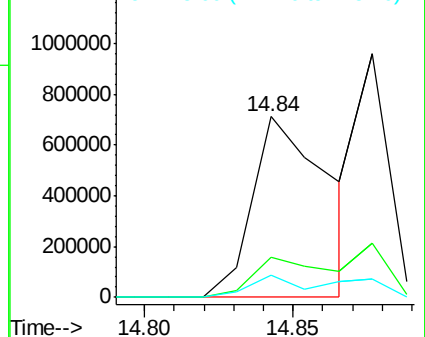
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Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 31.83 ng m

RT: 14.88 min Scan# 1119

Delta R.T. -0.02 min

Lab File: BF084755.D

Acq: 2 Feb 2016 19:36

Tgt Ion:252 Resp: 725938

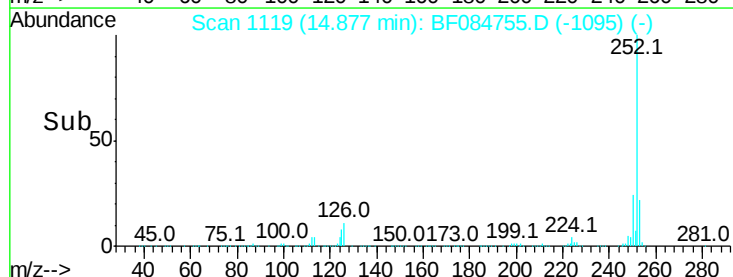
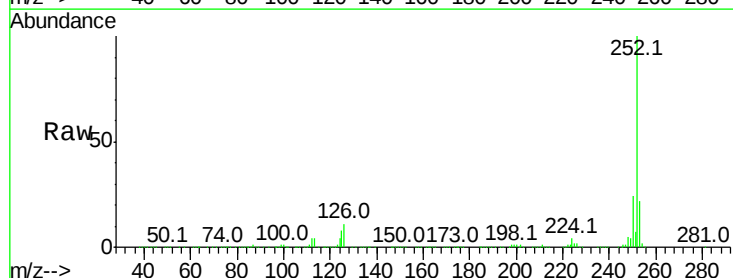
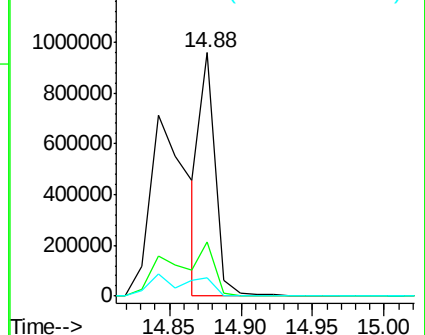
Ion Ratio Lower Upper

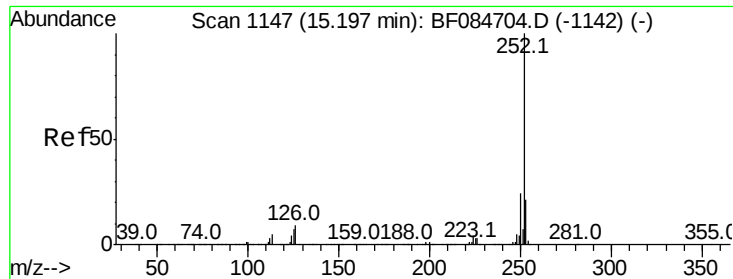
252 100

253 22.3 18.1 27.1

125 7.7 9.0 13.6#

Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 39.36 ng

RT: 15.17 min Scan# 1145

Delta R.T. -0.02 min

Lab File: BF084755.D

Acq: 2 Feb 2016 19:36

Instrument :

BNA_F

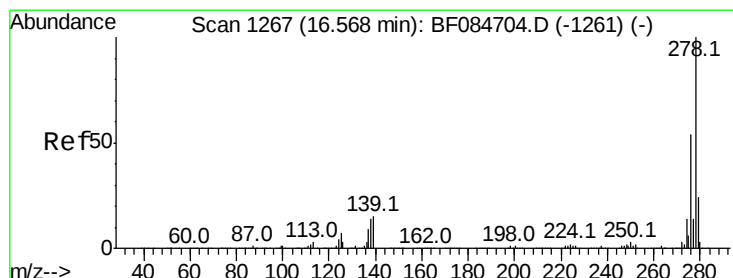
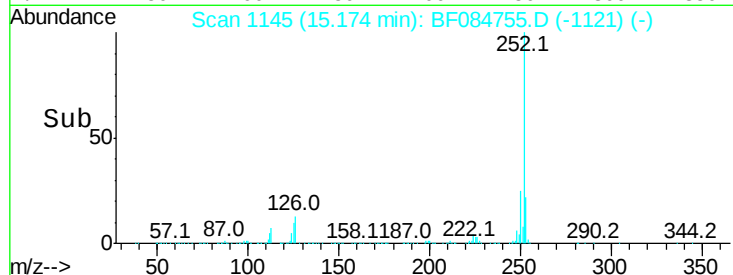
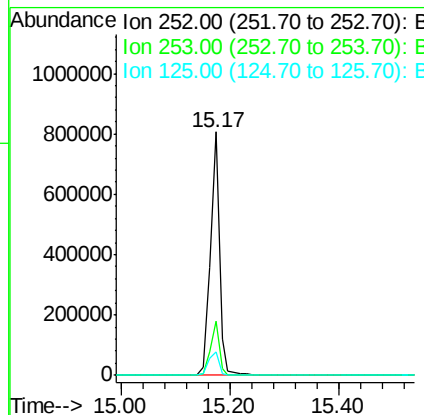
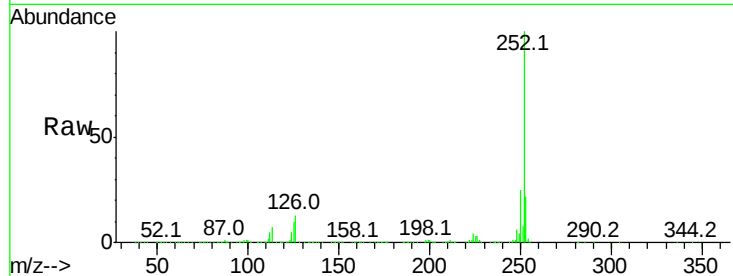
ClientSampleId :

PB88135BS

Tot Ion:	252	Resp:	924987
Ion Ratio	Lower	Upper	
252	100		
253	22.2	17.3	25.9
125	9.7	7.0	10.4

Manual Integrations
APPROVED

MMDadoda
2/3/2016 6:25:39 PM



#90

Dibenzo(a,h)anthracene

Concen: 37.05 ng

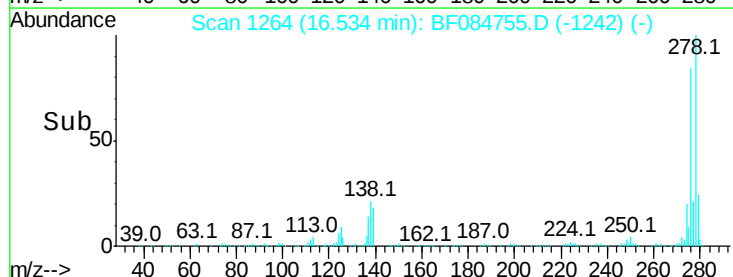
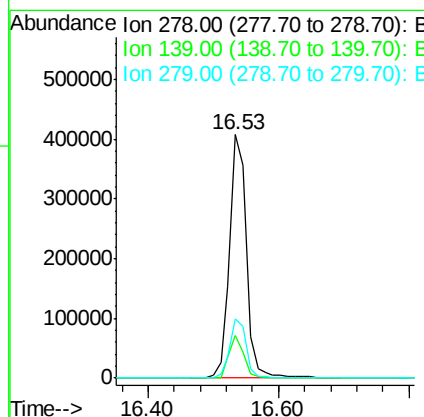
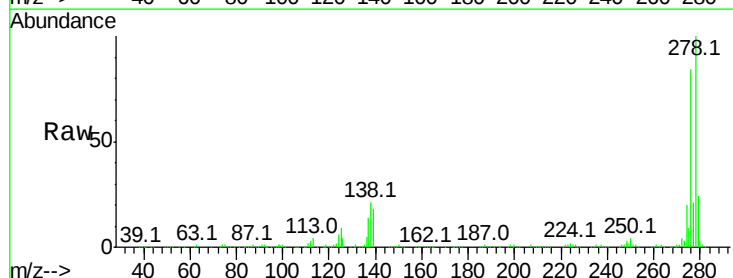
RT: 16.53 min Scan# 1264

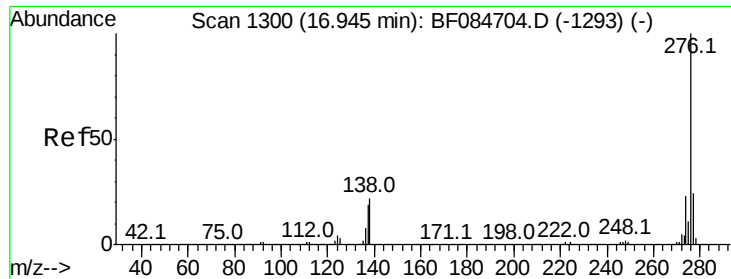
Delta R.T. -0.05 min

Lab File: BF084755.D

Acq: 2 Feb 2016 19:36

Tgt Ion:	278	Resp:	732895
Ion Ratio	Lower	Upper	
278	100		
139	17.7	15.0	22.4
279	24.3	18.9	28.3





#91
 Benzo(a,h,i)perylene
 Concen: 37.28 ng
 RT: 16.91 min Scan# 1297
 Delta R.T. -0.05 min
 Lab File: BF084755.D
 Acq: 2 Feb 2016 19:36

Instrument :
 BNA_F
 ClientSampleId :
 PB88135BS

Tot Ion	Ratio	Resp Lower	Upper
276	100		
277	23.9	18.8	28.2
138	22.9	17.8	26.6

Manual Integrations
 APPROVED

MMDadoda
 2/3/2016 6:25:39 PM

