

Data Path : Z:\HPCHEM1\BNA F\DATA\BF020916\
 Data File : BF084957.D
 Acq On : 9 Feb 2016 17:38
 Operator : SJ/IZ
 Sample : H1386-03MS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B005(28-30)MS

Manual Integrations
 APPROVED

Sohil
 2/10/2016 1:45:00 PM

Quant Time: Feb 10 04:11:03 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 03 14:16:01 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	156589	20.00	ng	-0.05
21) Naphthalene-d8	7.93	136	664687	20.00	ng	-0.05
38) Acenaphthene-d10	9.68	164	307258	20.00	ng	-0.06
63) Phenanthrene-d10	11.15	188	558444	20.00	ng	-0.06
75) Chrysene-d12	13.78	240	391621	20.00	ng	-0.06
86) Perylene-d12	15.14	264	321190	20.00	ng	-0.07

System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	1423987	141.64	ng	-0.05
7) Phenol-d6	6.30	99	1862476	149.44	ng	-0.03
23) Nitrobenzene-d5	7.21	82	1168888	99.06	ng	-0.06
41) 2,4,6-Tribromophenol	10.46	330	437879	136.63	ng	-0.06
44) 2-Fluorobiphenyl	9.00	172	1693516	97.73	ng	-0.06
78) Terphenyl-d14	12.74	244	1755774	101.59	ng	-0.06

Target Compounds						Qvalue
2) 1,4-Dioxane	2.16	88	170970	38.83	ng	# 77
3) Pyridine	2.80	79	594602	51.82	ng	# 61
4) n-Nitrosodimethylamine	2.76	42	308240	51.94	ng	# 79
6) Aniline	6.30	93	454776	29.82	ng	# 58
8) 2-Chlorophenol	6.43	128	563138	49.49	ng	91
9) Benzaldehyde	6.18	77	161817	21.99	ng	95
10) Phenol	6.32	94	797572	57.12	ng	90
11) bis(2-Chloroethyl)ether	6.38	93	540233	49.62	ng	85
12) 1,3-Dichlorobenzene	6.58	146	555901	46.24	ng	97
13) 1,4-Dichlorobenzene	6.65	146	562505	46.80	ng	97
14) 1,2-Dichlorobenzene	6.81	146	541732	48.39	ng	100
15) Benzyl Alcohol	6.80	79	455203	52.89	ng	92
16) 2,2'-oxybis(1-Chloropropan	6.93	45	860809	47.00	ng	91
17) 2-Methylphenol	6.92	107	470796	52.31	ng	# 89
18) Hexachloroethane	7.15	117	225559	48.73	ng	# 87
19) n-Nitroso-di-n-propylamine	7.07	70	379023	48.52	ng	# 75
20) 3+4-Methylphenols	7.08	107	587908	52.63	ng	90
22) Acetophenone	7.06	105	787457	44.95	ng	98
24) Nitrobenzene	7.23	77	585591	46.35	ng	98
25) Isophorone	7.47	82	1079117	47.03	ng	99
26) 2-Nitrophenol	7.55	139	323355	51.89	ng	96
27) 2,4-Dimethylphenol	7.60	122	478741	44.17	ng	95
28) bis(2-Chloroethoxy)methane	7.69	93	627548	46.10	ng	99
29) 2,4-Dichlorophenol	7.79	162	444042	47.88	ng	94
30) 1,2,4-Trichlorobenzene	7.87	180	493962	47.15	ng	# 95
31) Naphthalene	7.95	128	1611772	48.34	ng	100
32) Benzoic acid	7.71	122	81428	11.74	ng	98
33) 4-Chloroaniline	8.01	127	251446	18.24	ng	# 91
34) Hexachlorobutadiene	8.06	225	265046	43.88	ng	98
35) Caprolactam	8.40	113	153610m	53.74	ng	
36) 4-Chloro-3-methylphenol	8.51	107	561859	53.10	ng	99
37) 2-Methylnaphthalene	8.64	142	1010664	48.43	ng	97
39) 1,2,4,5-Tetrachlorobenzene	8.81	216	462471	47.39	ng	99
40) Hexachlorocyclopentadiene	8.80	237	361316	82.72	ng	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.92	196	302941	48.19	nq	96
43) 2,4,5-Trichlorophenol	8.97	196	307726	48.17	nq #	85
45) 1,1'-Biphenyl	9.10	154	1305813	47.58	nq	98
46) 2-Chloronaphthalene	9.13	162	998726	49.42	nq #	89
47) 2-Nitroaniline	9.23	65	349021	54.54	nq	92
48) Acenaphthylene	9.54	152	1475291	48.10	nq	98
49) Dimethylphthalate	9.41	163	1474766	63.02	nq #	90
50) 2,6-Dinitrotoluene	9.48	165	250256	48.95	nq #	82
51) Acenaphthene	9.71	154	967717	48.50	nq	97
52) 3-Nitroaniline	9.64	138	179648	31.27	nq #	86
53) 2,4-Dinitrophenol	9.76	184	173437	73.97	nq	90
54) Dibenzofuran	9.88	168	1262716	51.78	nq	95
55) 4-Nitrophenol	9.82	139	333718	79.04	nq #	77
56) 2,4-Dinitrotoluene	9.88	165	347483	53.29	nq #	91
57) Fluorene	10.22	166	1068345	52.46	nq	100
58) 2,3,4,6-Tetrachlorophenol	10.01	232	273663	56.28	nq #	86
59) Diethylphthalate	10.11	149	1023088	44.77	nq	99
60) 4-Chlorophenyl-phenylether	10.21	204	402987	47.51	nq	89
61) 4-Nitroaniline	10.26	138	259034	46.27	nq	94
62) Azobenzene	10.37	77	1090216	49.62	nq	89
64) 4,6-Dinitro-2-methylphenol	10.29	198	171838	49.86	nq	74
65) n-Nitrosodiphenylamine	10.34	169	847927	47.82	nq	99
66) 4-Bromophenyl-phenylether	10.70	248	315464	51.14	nq #	90
67) Hexachlorobenzene	10.76	284	305807	45.50	nq #	84
68) Atrazine	10.88	200	307936	54.99	nq	97
69) Pentachlorophenol	10.97	266	288945	91.48	nq	99
70) Phenanthrene	11.17	178	1369036	44.20	nq	97
71) Anthracene	11.23	178	1597562	51.19	nq	99
72) Carbazole	11.39	167	1435417	52.74	nq	98
73) Di-n-butylphthalate	11.72	149	1548564	44.69	nq #	96
74) Fluoranthene	12.36	202	1554838	49.60	nq	92
76) Benzidine	12.49	184	537839	38.96	nq	98
77) Pyrene	12.58	202	1382607	46.11	nq	98
79) Butylbenzylphthalate	13.22	149	688790	50.64	nq #	81
80) Benzo(a)anthracene	13.77	228	1232404	50.70	nq	99
81) 3,3'-Dichlorobenzidine	13.73	252	194290	22.58	nq #	93
82) Chrysene	13.80	228	917856	38.94	nq	99
83) Bis(2-ethylhexyl)phthalate	13.78	149	880103	51.99	nq #	96
84) Di-n-octyl phthalate	14.39	149	1266616	45.36	nq #	88
85) Indeno(1,2,3-cd)pyrene	16.40	276	950745	51.25	nq	98
87) Benzo(b)fluoranthene	14.77	252	1164828m	53.98	nq	
88) Benzo(k)fluoranthene	14.80	252	730730m	40.95	nq	
89) Benzo(a)pyrene	15.08	252	869360	47.28	nq #	97
90) Dibenzo(a,h)anthracene	16.41	278	786193	50.79	nq	96
91) Benzo(g,h,i)perylene	16.77	276	810837	52.00	nq	98

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



#1

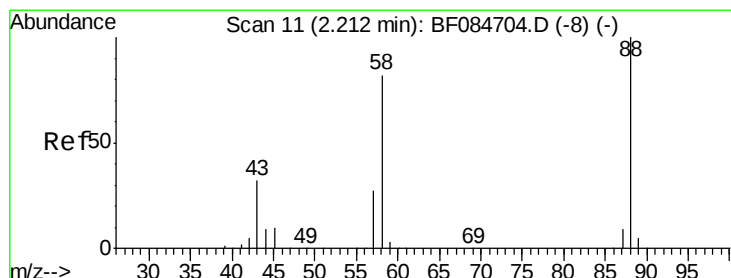
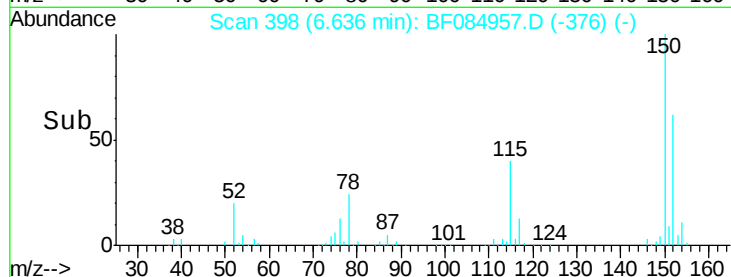
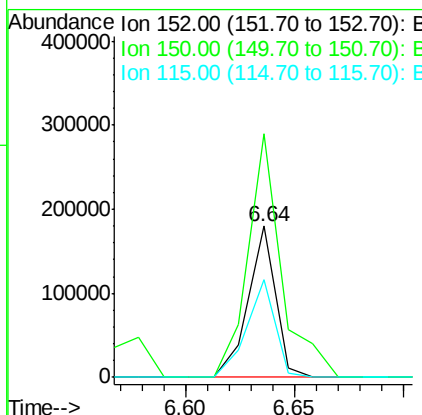
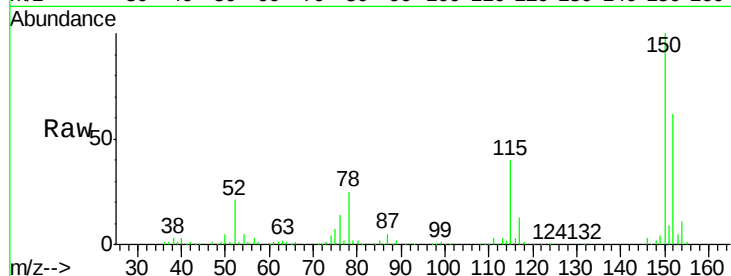
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.64 min Scan# 398
Delta R.T. -0.05 min
Lab File: BF084957.D
Acq: 9 Feb 2016 17:38

Instrument :
BNA_F
ClientSampleId :
S4-B005(28-30)MS

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.4	123.0	184.4
115	64.9	51.4	77.2

Manual Integrations
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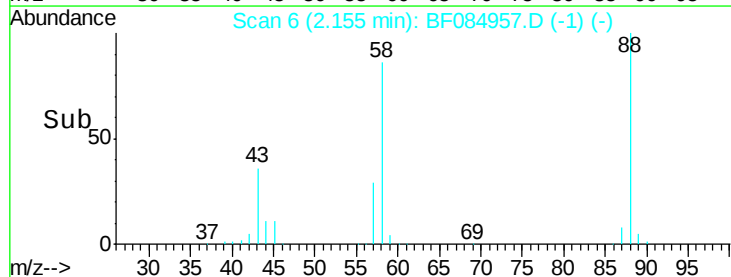
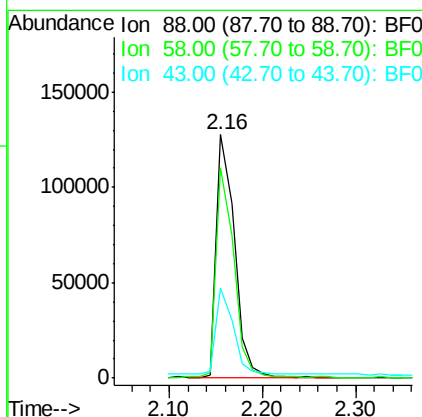
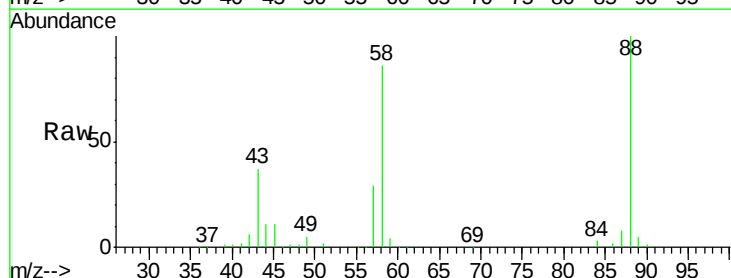
Sohil
2/10/2016 1:45:00 PM

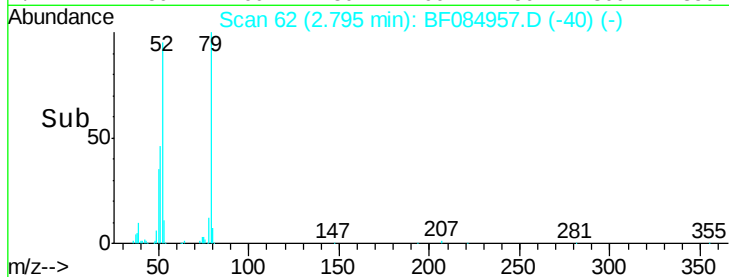
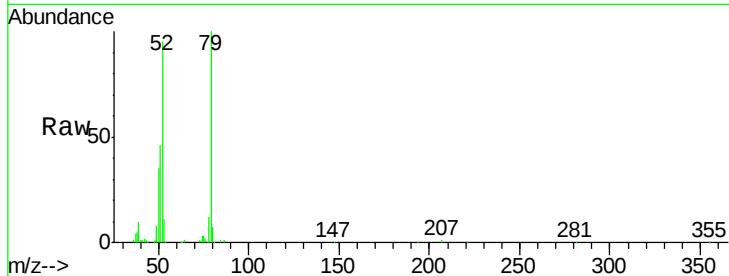
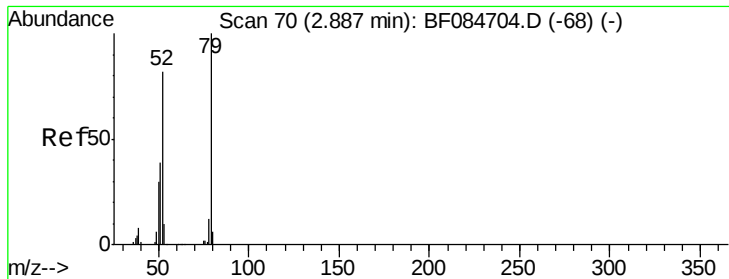


#2

1,4-Dioxane
Concen: 38.83 ng
RT: 2.16 min Scan# 6
Delta R.T. -0.02 min
Lab File: BF084957.D
Acq: 9 Feb 2016 17:38

Tgt Ion	Ratio	Lower	Upper
88	100		
58	83.0	51.2	76.8#
43	33.7	19.5	29.3#





#3

Pvridine

Concen: 51.82 ng

RT: 2.80 min Scan# 62

Delta R.T. -0.05 min

Lab File: BF084957.D

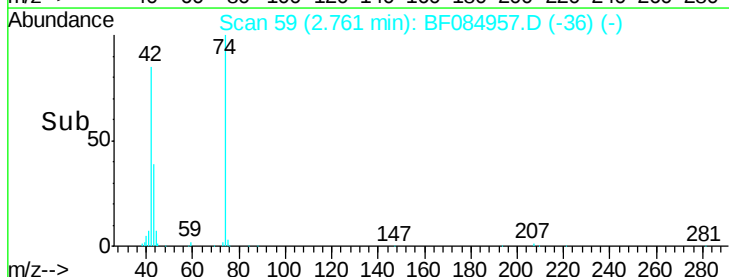
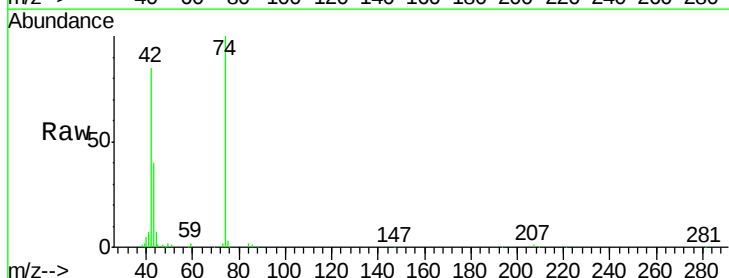
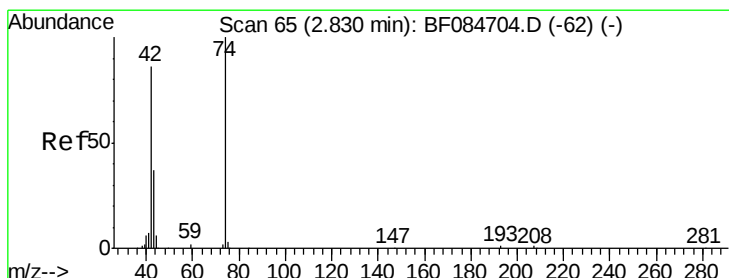
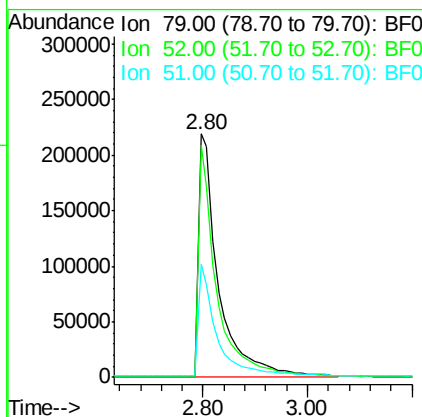
Acq: 9 Feb 2016 17:38

Tot Ion	Ion	Ratio	Resp	Lower	Upper
79	100				
52	95.2	49.0	73.4#		
51	46.4	25.2	37.8#		

Instrument :
BNA_F
ClientSampleId :
S4-B005(28-30)MS

Manual Integrations
APPROVED

Sohil
2/10/2016 1:45:00 PM



#4

n-Nitrosodimethylamine

Concen: 51.94 ng

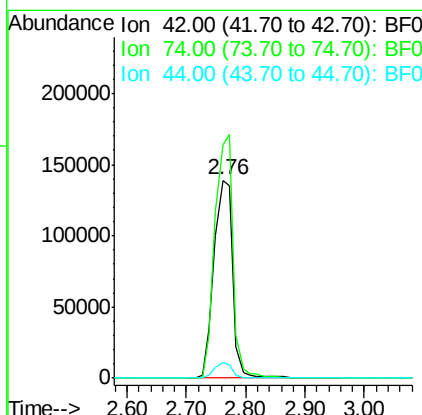
RT: 2.76 min Scan# 59

Delta R.T. -0.03 min

Lab File: BF084957.D

Acq: 9 Feb 2016 17:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
42	100				
74	117.8	115.7	173.5		
44	7.8	5.1	7.7#		





#5

2-Fluorophenol

Concen: 141.64 ng

RT: 5.23 min Scan# 275

Delta R.T. -0.05 min

Lab File: BF084957.D

Acq: 9 Feb 2016 17:38

Instrument :

BNA_F

ClientSampleId :

S4-B005(28-30)MS

Tot Ion: 112 Resp: 1423987

Ion Ratio Lower Upper

112 100

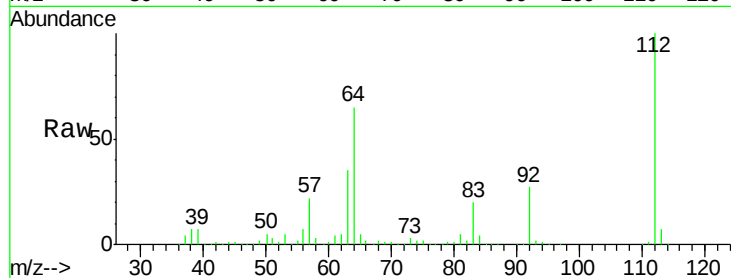
64 65.1 36.6 55.0#

63 35.2 19.4 29.0#

Manual Integrations
APPROVED

Sohil

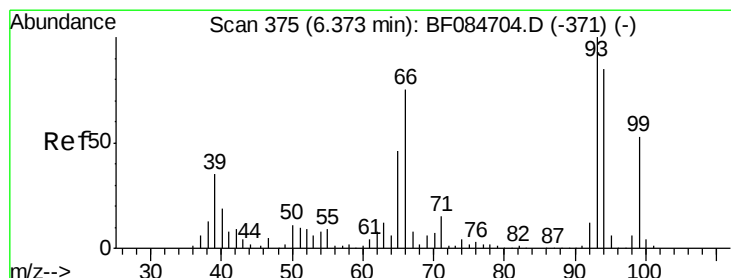
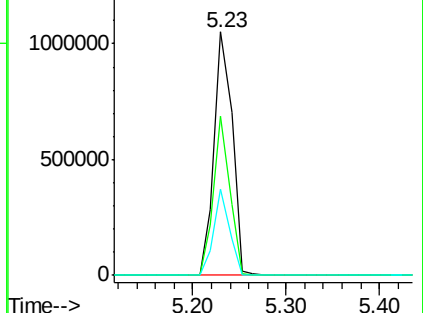
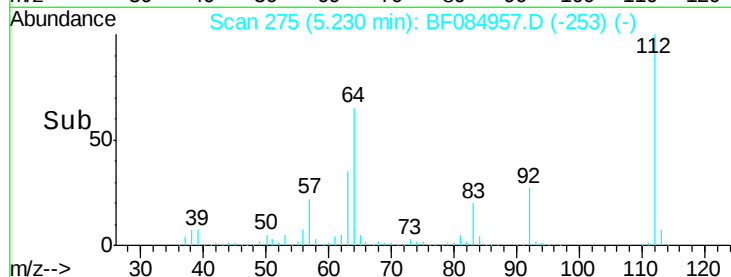
2/10/2016 1:45:00 PM



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0



#6

Aniline

Concen: 29.82 ng

RT: 6.30 min Scan# 369

Delta R.T. -0.05 min

Lab File: BF084957.D

Acq: 9 Feb 2016 17:38

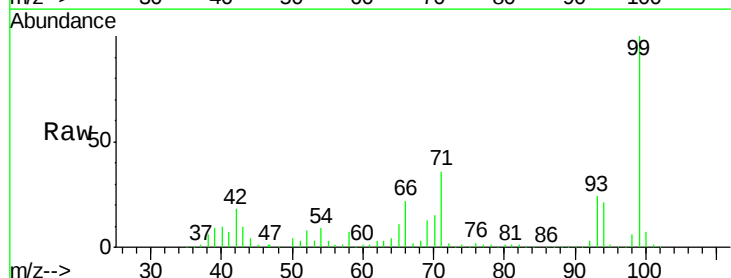
Tgt Ion: 93 Resp: 454776

Ion Ratio Lower Upper

93 100

66 90.4 44.9 67.3#

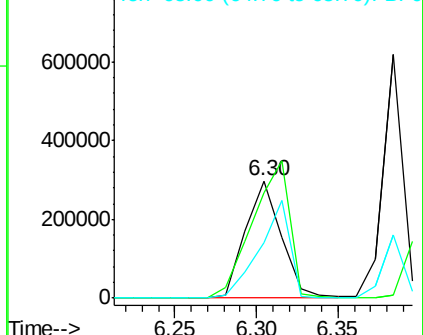
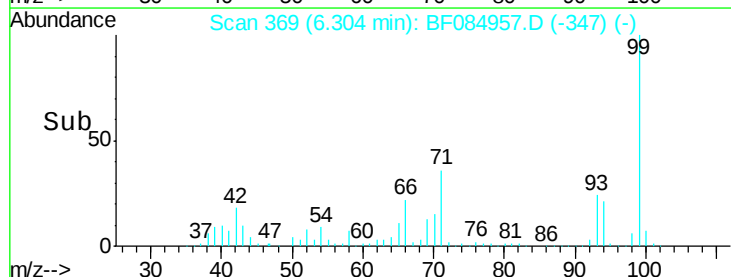
65 46.8 23.7 35.5#

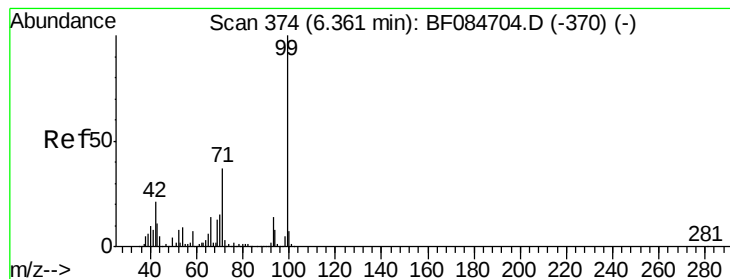


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 149.44 ng

RT: 6.30 min Scan# 369

Delta R.T. -0.03 min

Lab File: BF084957.D

Acq: 9 Feb 2016 17:38

Instrument :

BNA_F

ClientSampleId :

S4-B005(28-30)MS

Tot Ion: 99 Resp: 1862476

Ion Ratio Lower Upper

99 100

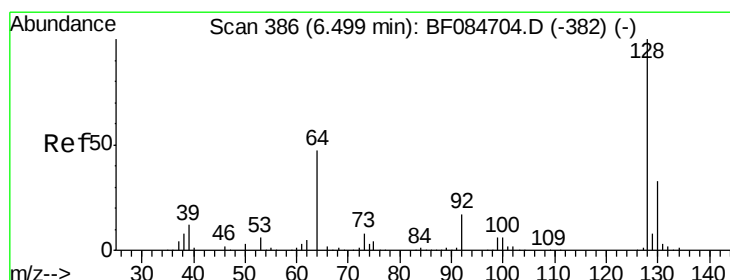
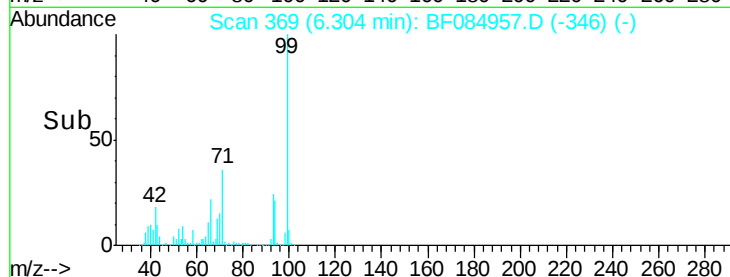
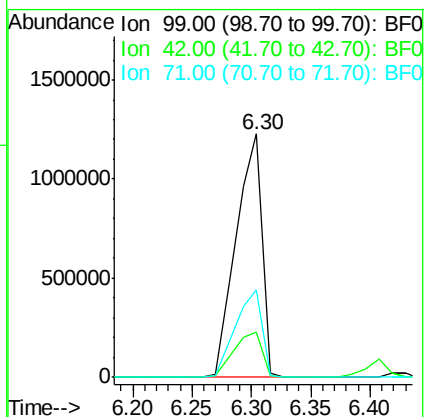
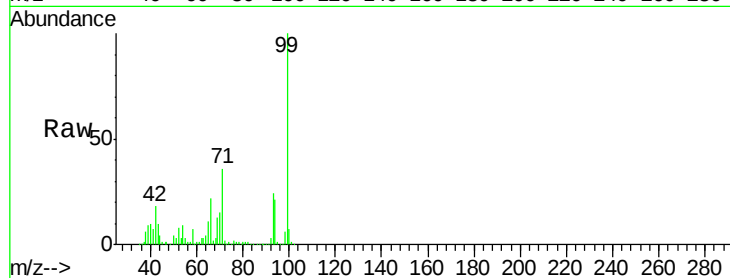
42 18.4 12.8 19.2

71 35.7 30.9 46.3

Manual Integrations
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2/10/2016 1:45:00 PM



#8

2-Chlorophenol

Concen: 49.49 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.05 min

Lab File: BF084957.D

Acq: 9 Feb 2016 17:38

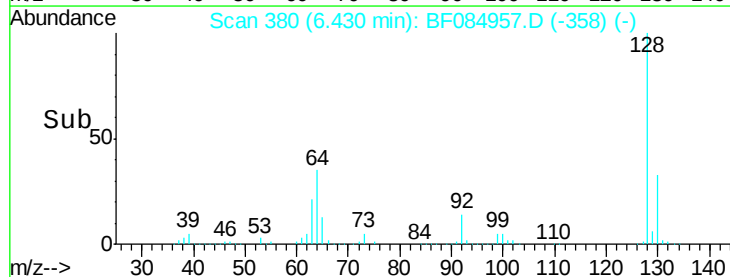
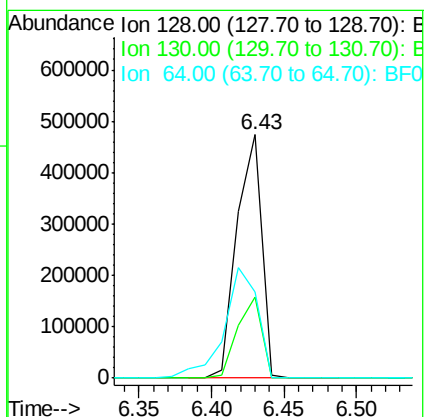
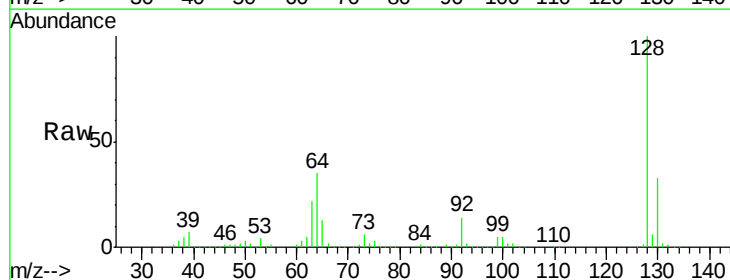
Tgt Ion: 128 Resp: 563138

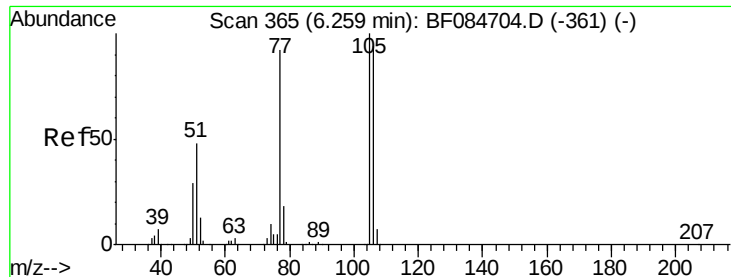
Ion Ratio Lower Upper

128 100

130 33.4 11.6 51.6

64 35.2 23.8 63.8





#9

Benzaldehyde

Concen: 21.99 ng

RT: 6.18 min Scan# 358

Delta R.T. -0.06 min

Lab File: BF084957.D

Acq: 9 Feb 2016 17:38

Instrument :

BNA_F

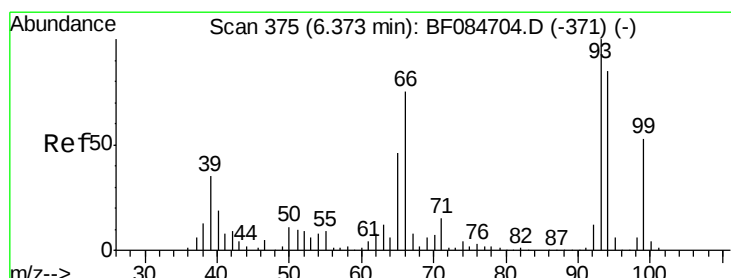
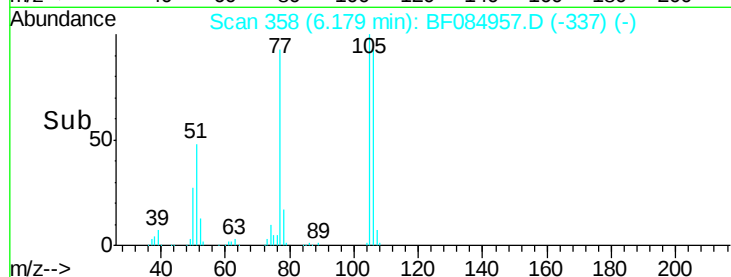
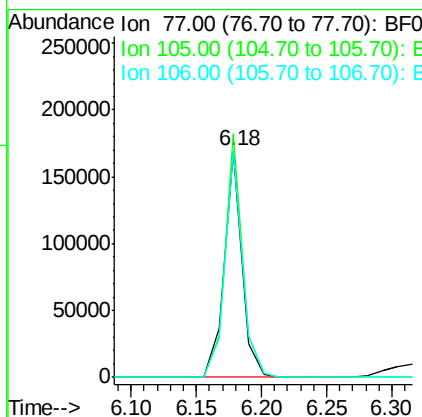
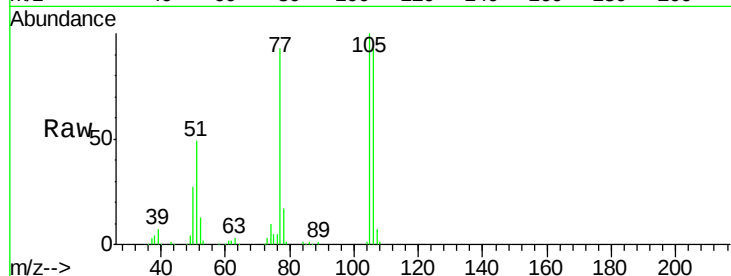
ClientSampleId :

S4-B005(28-30)MS

Tot Ion:	77	Resp:	161817
Ion Ratio	Lower	Upper	
77	100		
105	107.8	83.0	123.0
106	100.3	74.6	114.6

Manual Integrations
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Sohil
2/10/2016 1:45:00 PM



#10

Phenol

Concen: 57.12 ng

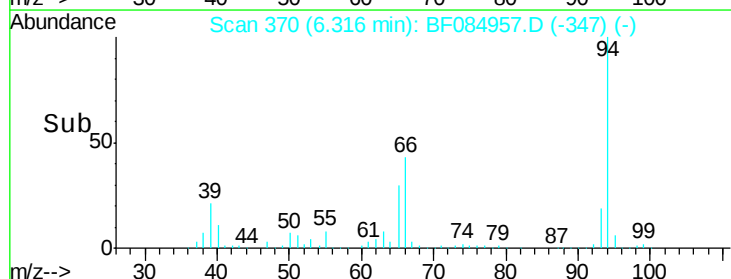
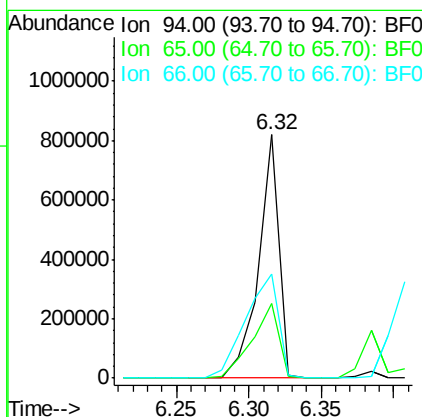
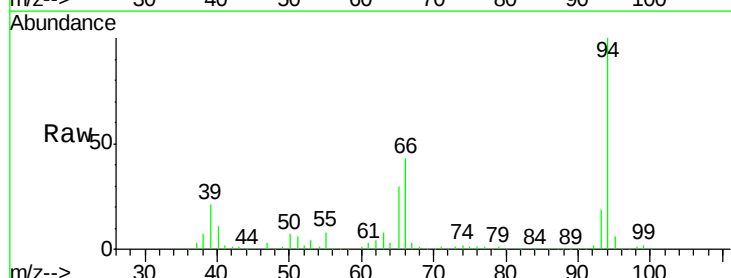
RT: 6.32 min Scan# 370

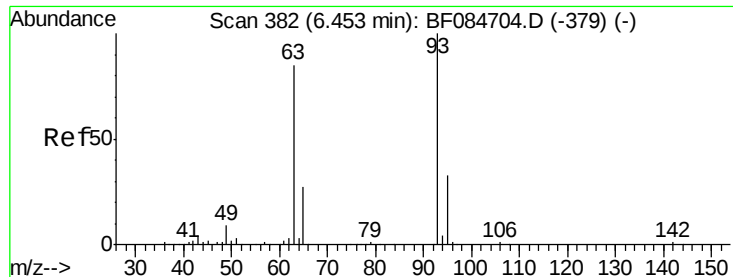
Delta R.T. -0.03 min

Lab File: BF084957.D

Acq: 9 Feb 2016 17:38

Tgt Ion:	94	Resp:	797572
Ion Ratio	Lower	Upper	
94	100		
65	30.4	12.9	52.9
66	42.7	32.7	72.7





#11

bis(2-Chloroethyl)ether

Concen: 49.62 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.05 min

Lab File: BF084957.D

Acq: 9 Feb 2016 17:38

Instrument :

BNA_F

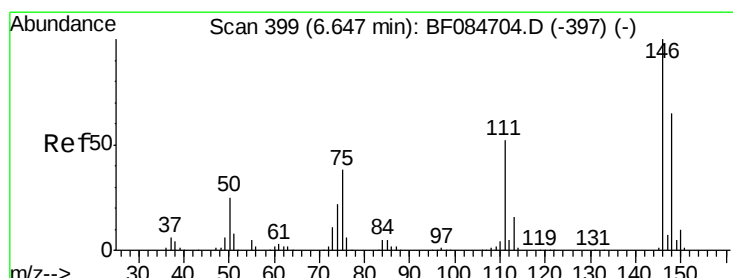
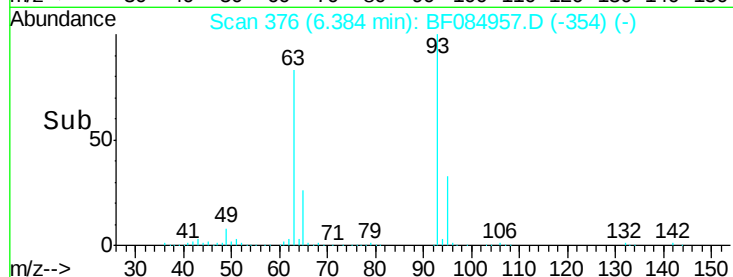
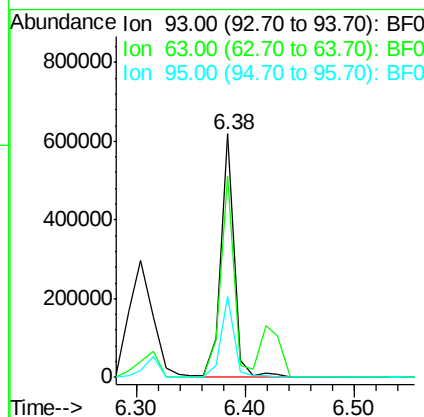
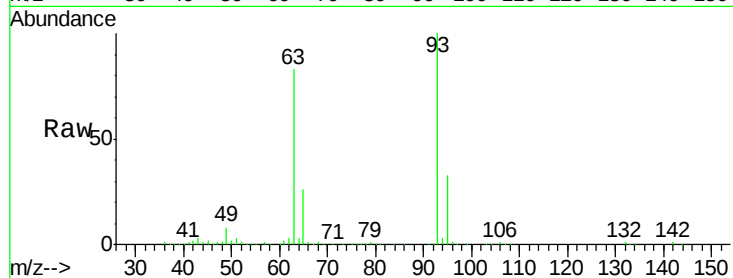
ClientSampleId :

S4-B005(28-30)MS

Tot Ion:	93	Resp:	540233
Ion Ratio	Lower	Upper	
93	100		
63	82.9	45.9	85.9
95	33.0	12.3	52.3

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#12

1,3-Dichlorobenzene

Concen: 46.24 ng

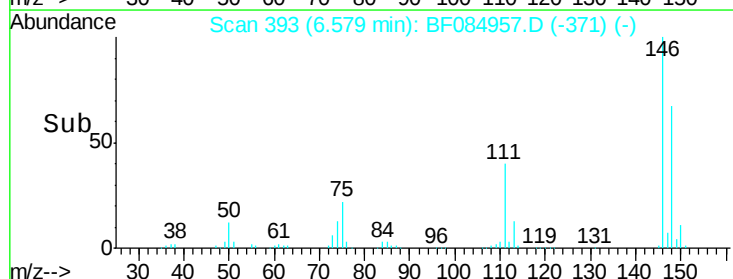
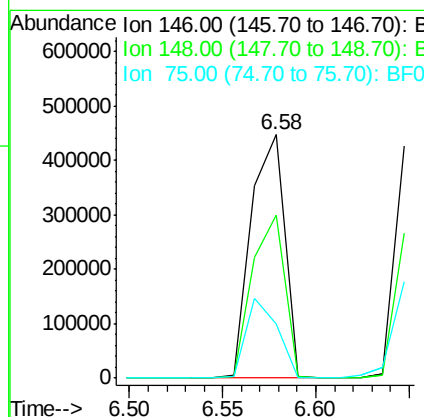
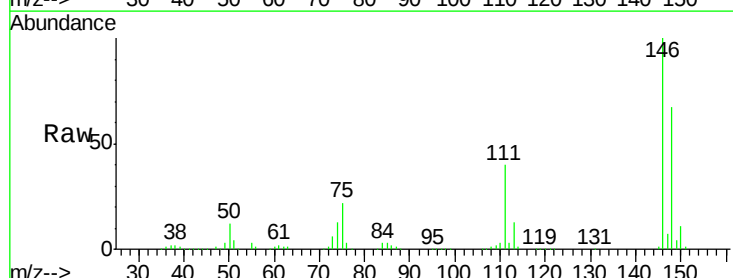
RT: 6.58 min Scan# 393

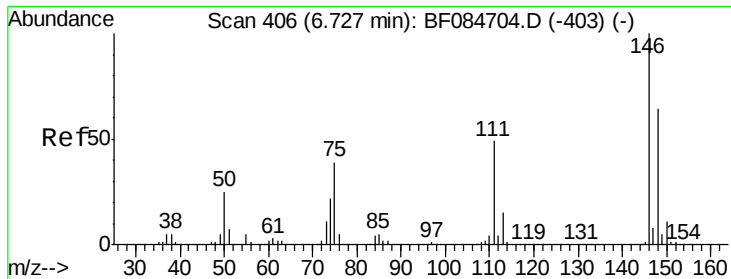
Delta R.T. -0.05 min

Lab File: BF084957.D

Acq: 9 Feb 2016 17:38

Tgt Ion:	146	Resp:	555901
Ion Ratio	Lower	Upper	
146	100		
148	66.8	51.9	77.9
75	22.4	20.5	30.7





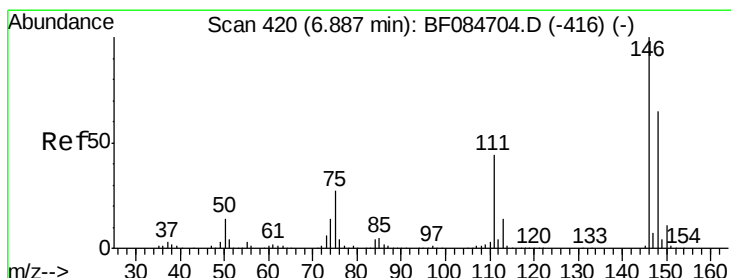
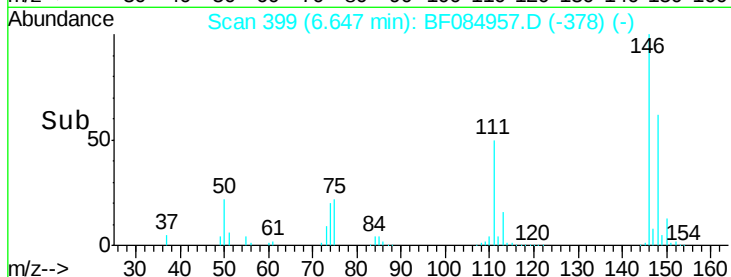
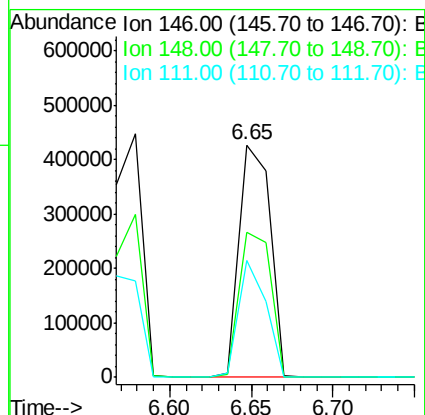
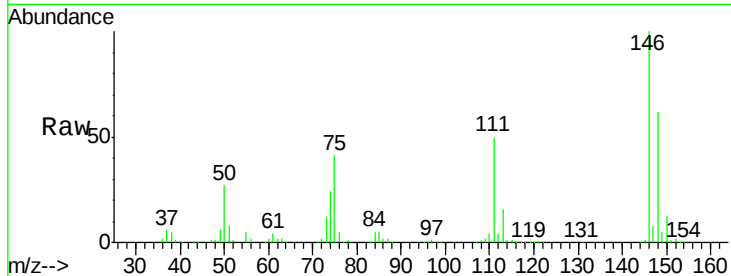
#13
 1,4-Dichlorobenzene
 Concen: 46.80 ng
 RT: 6.65 min Scan# 399
 Delta R.T. -0.06 min
 Lab File: BF084957.D
 Acq: 9 Feb 2016 17:38

Instrument :
 BNA_F
 ClientSampleId :
 S4-B005(28-30)MS

Tot Ion	Ratio	Lower	Upper
146	100		
148	62.2	51.9	77.9
111	50.1	41.6	62.4

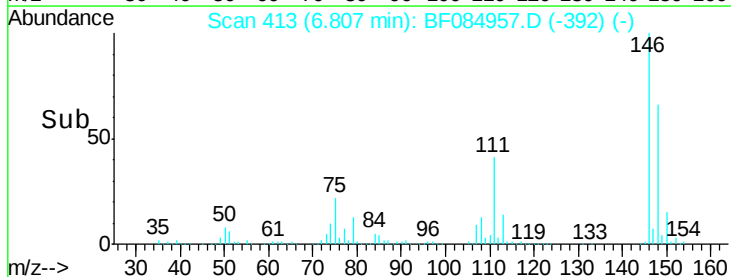
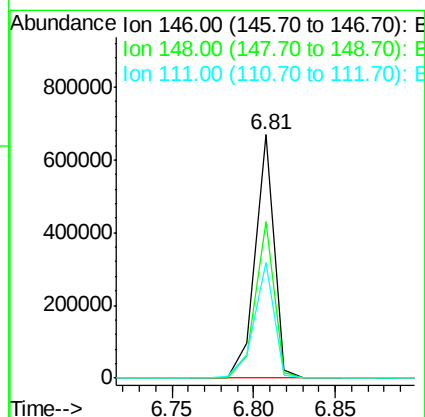
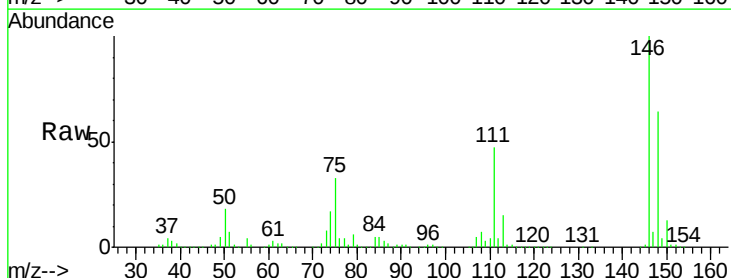
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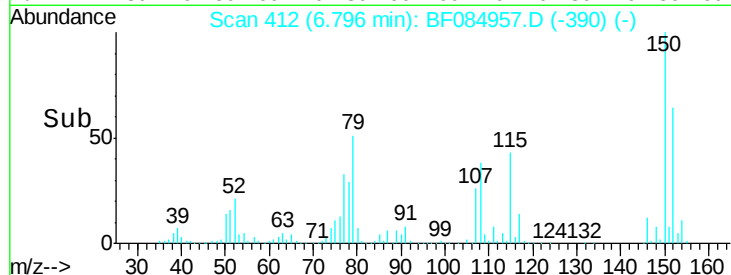
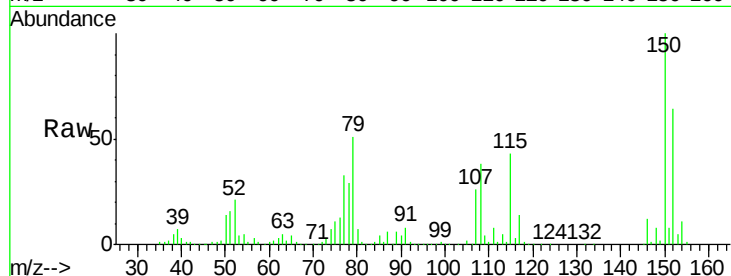
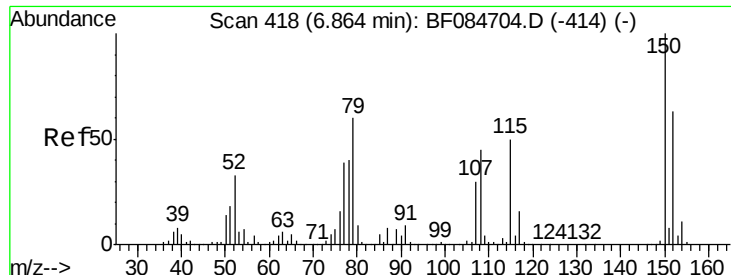
Sohil
 2/10/2016 1:45:00 PM



#14
 1,2-Dichlorobenzene
 Concen: 48.39 ng
 RT: 6.81 min Scan# 413
 Delta R.T. -0.06 min
 Lab File: BF084957.D
 Acq: 9 Feb 2016 17:38

Tgt Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.6	77.4
111	47.4	38.0	57.0





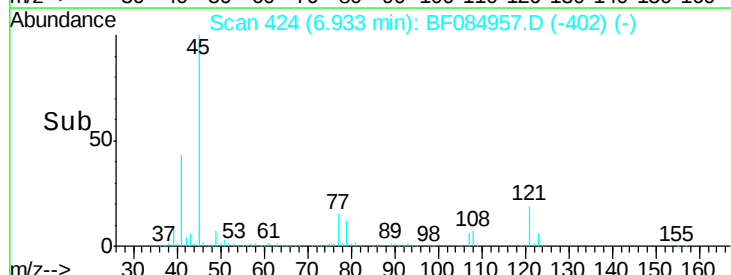
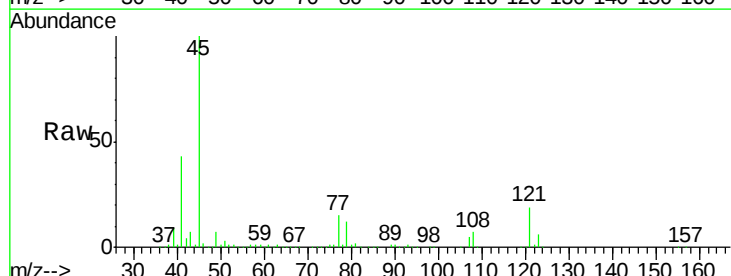
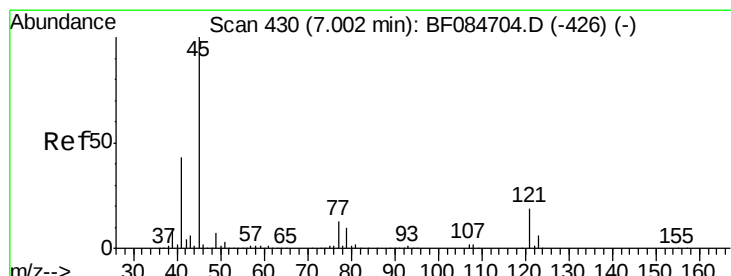
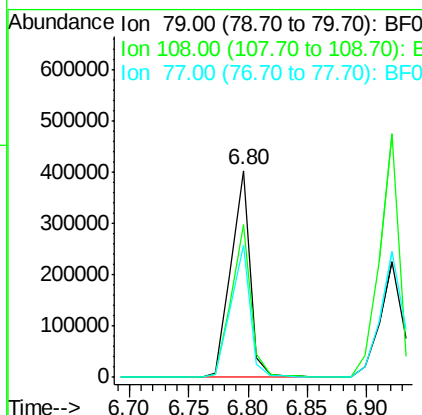
#15
Benzyl Alcohol
Concen: 52.89 ng
RT: 6.80 min Scan# 412
Delta R.T. -0.05 min
Lab File: BF084957.D
Acq: 9 Feb 2016 17:38

Tot Ion	Ratio	Lower	Upper
79	100		
108	74.2	69.0	103.4
77	64.1	50.0	75.0

Instrument :
BNA_F
ClientSampleId :
S4-B005(28-30)MS

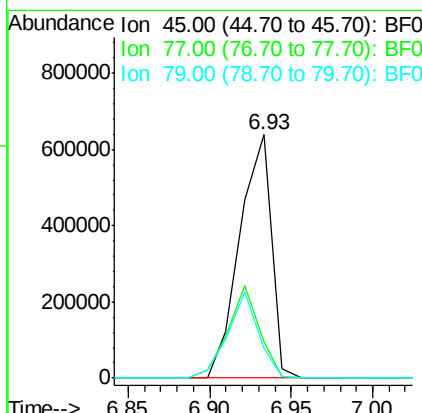
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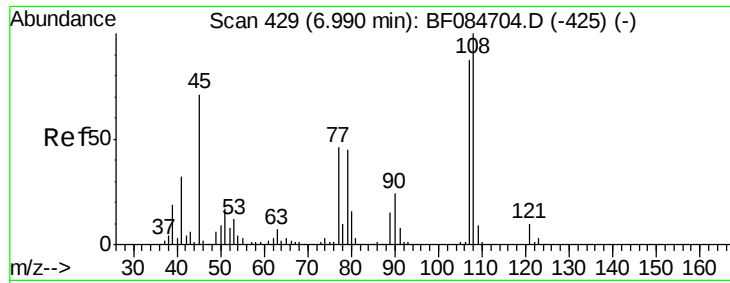
Sohil
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.00 ng
RT: 6.93 min Scan# 424
Delta R.T. -0.05 min
Lab File: BF084957.D
Acq: 9 Feb 2016 17:38

Tgt Ion	Ratio	Lower	Upper
45	100		
77	14.7	0.0	39.6
79	12.0	0.0	35.0





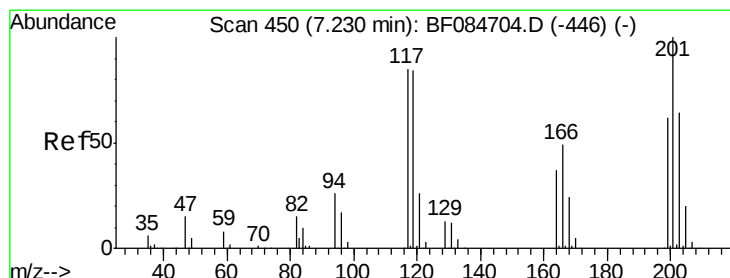
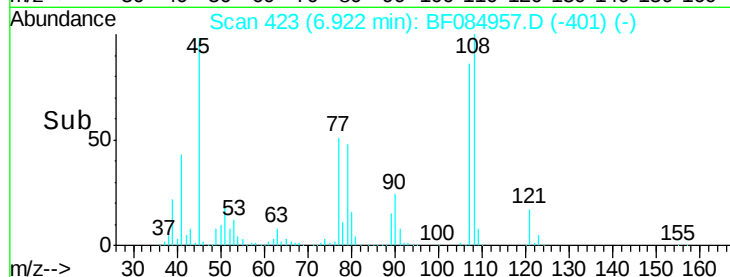
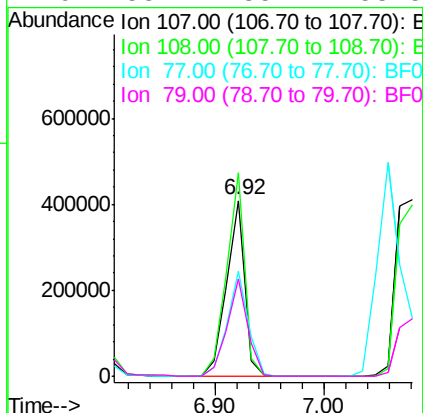
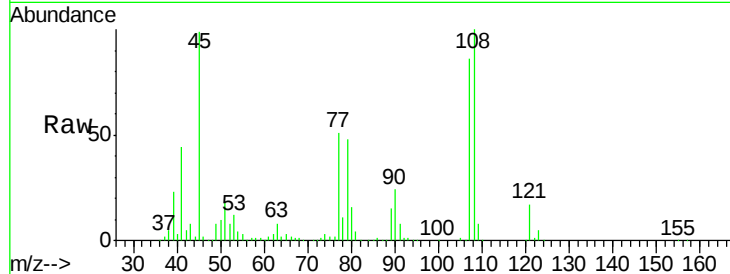
#17
2-Methylphenol
Concen: 52.31 ng
RT: 6.92 min Scan# 423
Delta R.T. -0.05 min
Lab File: BF084957.D
Acq: 9 Feb 2016 17:38

Instrument :
BNA_F
ClientSampleId :
S4-B005(28-30)MS

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	116.1	89.8	134.6	
77	59.7	35.7	53.5#	
79	55.4	35.7	53.5#	

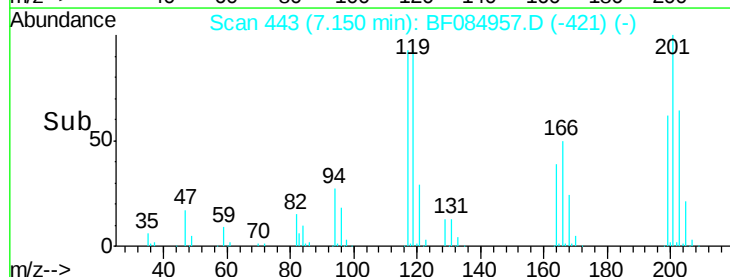
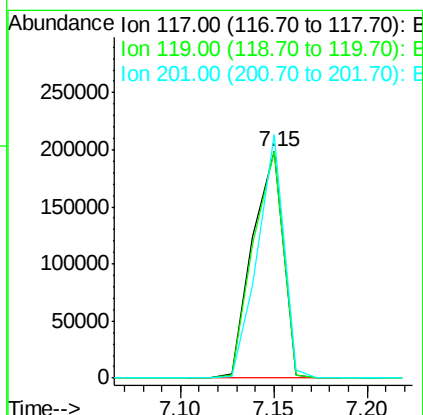
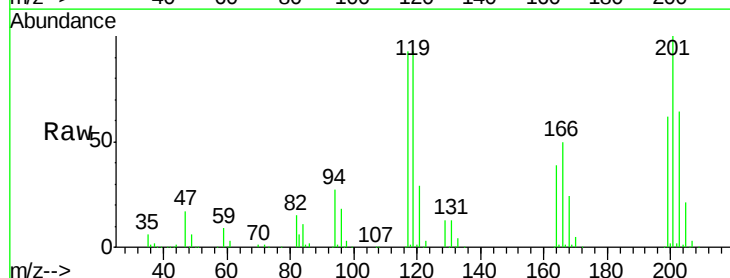
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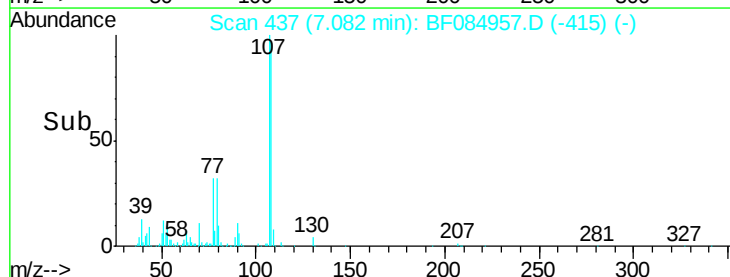
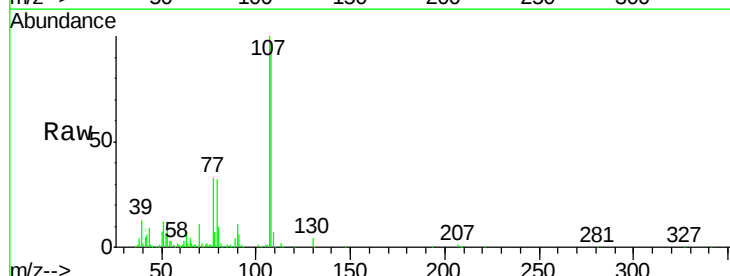
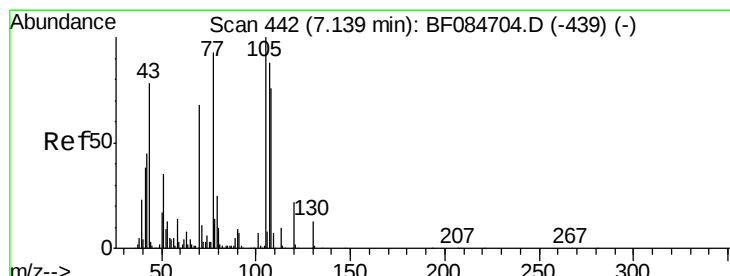
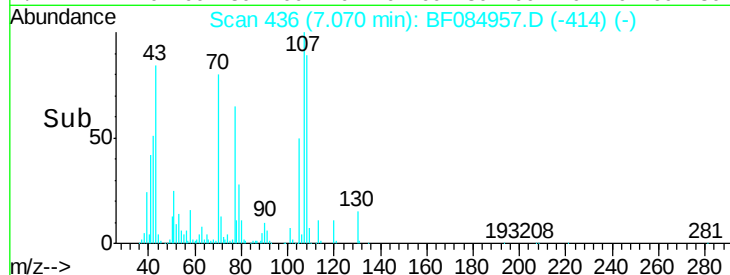
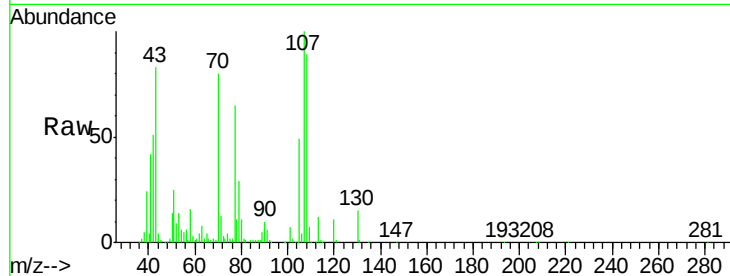
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#18
Hexachloroethane
Concen: 48.73 ng
RT: 7.15 min Scan# 443
Delta R.T. -0.05 min
Lab File: BF084957.D
Acq: 9 Feb 2016 17:38

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	100.3	77.4	116.0	
201	107.4	68.6	103.0#	





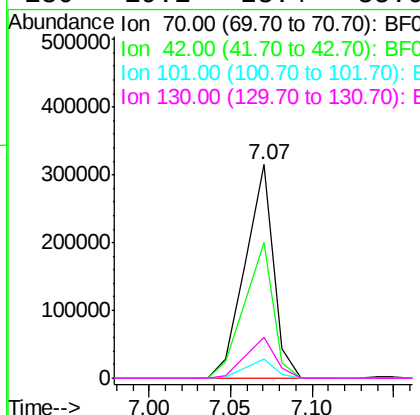
#19
n-Nitroso-di-n-propylamine
Concen: 48.52 ng
RT: 7.07 min Scan# 436
Delta R.T. -0.05 min
Lab File: BF084957.D
Acq: 9 Feb 2016 17:38

Instrument :
BNA_F
ClientSampleId :
S4-B005(28-30)MS

Tot Ion	Ratio	Lower	Upper
70	100		
42	63.6	33.3	49.9#
101	8.9	9.3	13.9#
130	19.1	23.4	35.0#

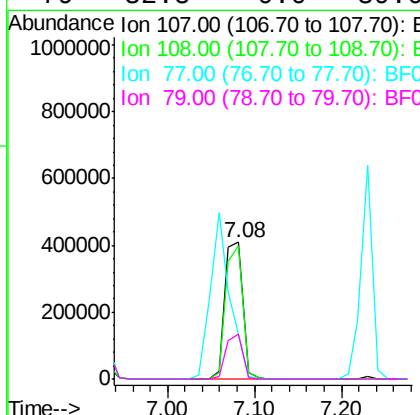
Manual Integrations
APPROVED

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#20
3+4-Methylphenols
Concen: 52.63 ng
RT: 7.08 min Scan# 437
Delta R.T. -0.05 min
Lab File: BF084957.D
Acq: 9 Feb 2016 17:38

Tgt Ion	Ratio	Lower	Upper
107	100		
108	97.4	74.6	114.6
77	32.6	0.7	40.7
79	32.5	0.0	39.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.93 min Scan# 511

Delta R.T. -0.05 min

Lab File: BF084957.D

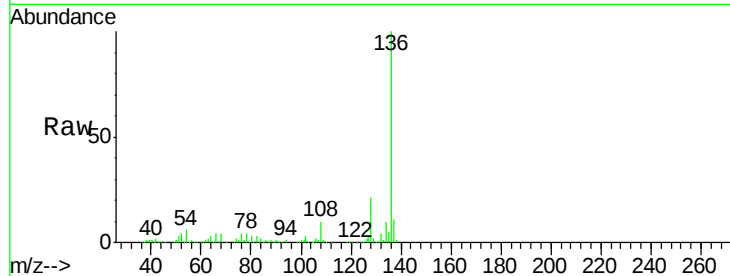
Acq: 9 Feb 2016 17:38

Instrument :

BNA_F

ClientSampleId :

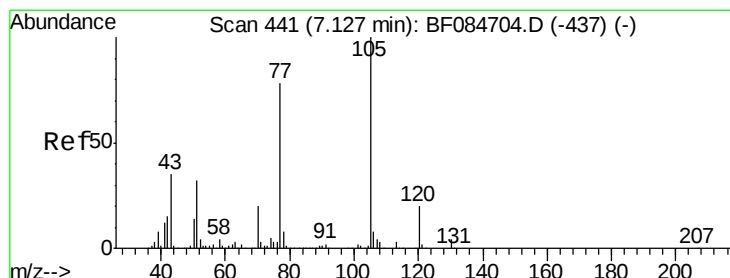
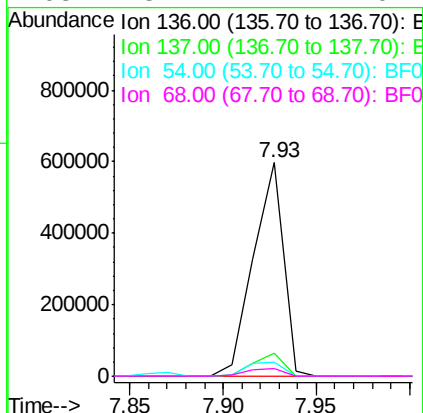
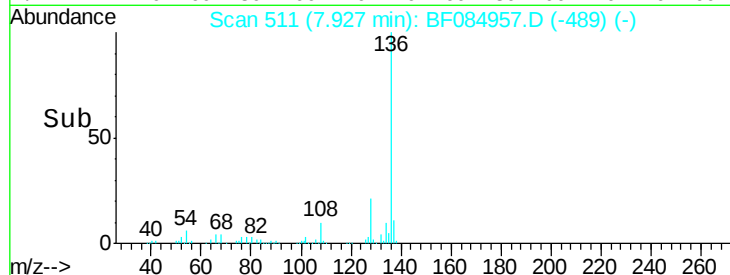
S4-B005(28-30)MS



Tot Ion	Ratio	Resp	Lower	Upper
136	100	664687		
137	10.9	8.7	13.1	
54	6.5	5.8	8.8	
68	3.7	4.2	6.2	

Manual Integrations
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2/10/2016 1:45:00 PM



#22

Acetophenone

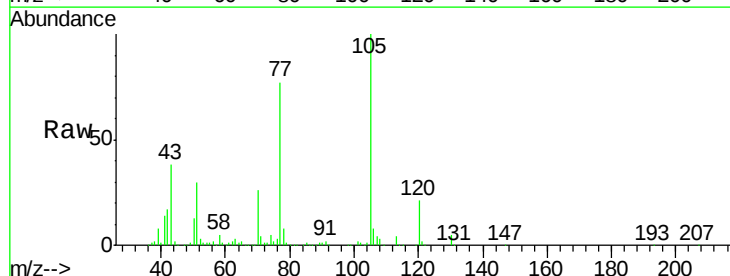
Concen: 44.95 ng

RT: 7.06 min Scan# 435

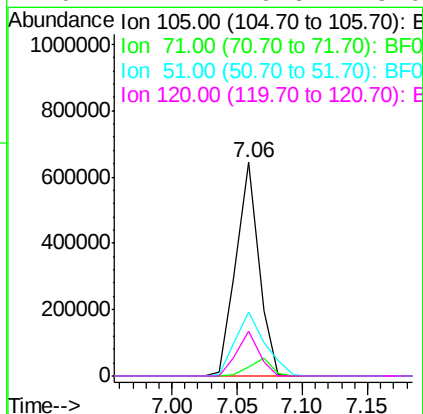
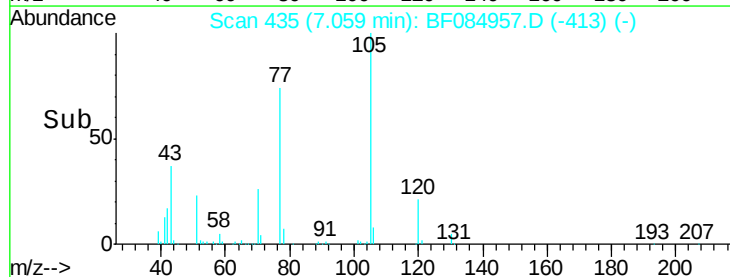
Delta R.T. -0.05 min

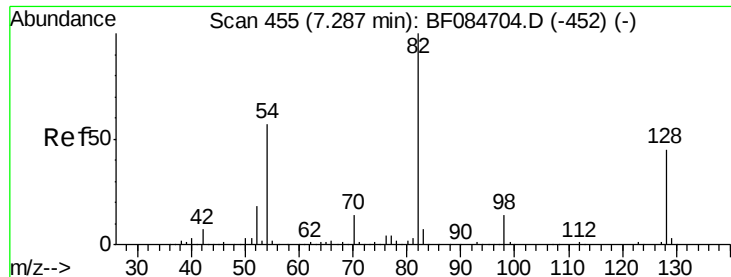
Lab File: BF084957.D

Acq: 9 Feb 2016 17:38



Tgt Ion	Ratio	Resp	Lower	Upper
105	100	787457		
71	4.1	3.7	5.5	
51	30.1	25.1	37.7	
120	21.2	16.6	25.0	





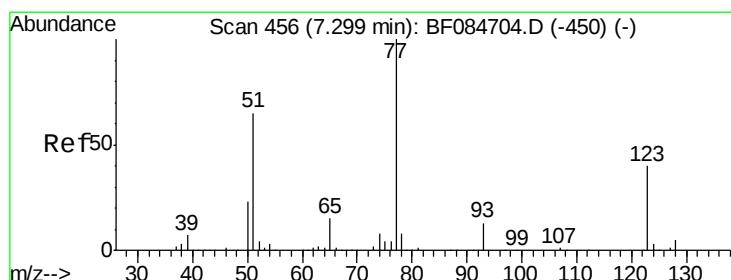
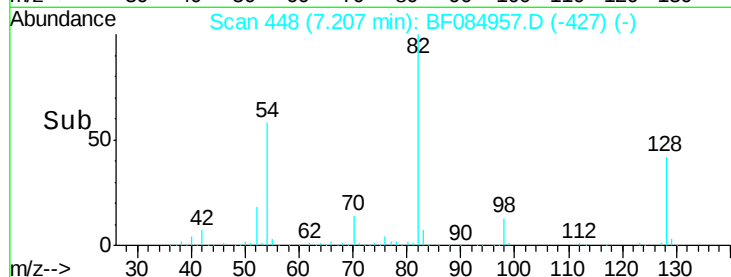
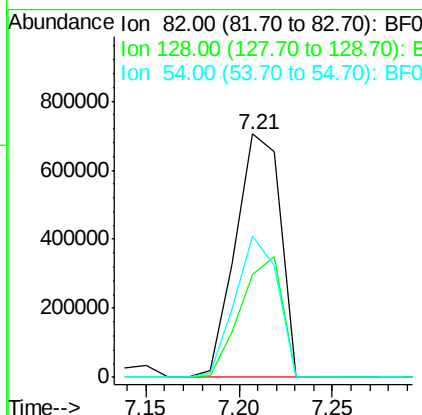
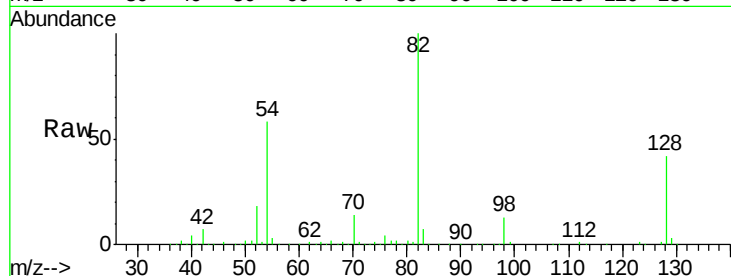
#23
Nitrobenzene-d5
Concen: 99.06 ng
RT: 7.21 min Scan# 448
Delta R.T. -0.06 min
Lab File: BF084957.D
Acq: 9 Feb 2016 17:38

Instrument :
BNA_F
ClientSampleId :
S4-B005(28-30)MS

Tot Ion: 82 Resp: 1168888
Ion Ratio Lower Upper
82 100
128 42.4 34.6 51.8
54 57.9 38.4 57.6#

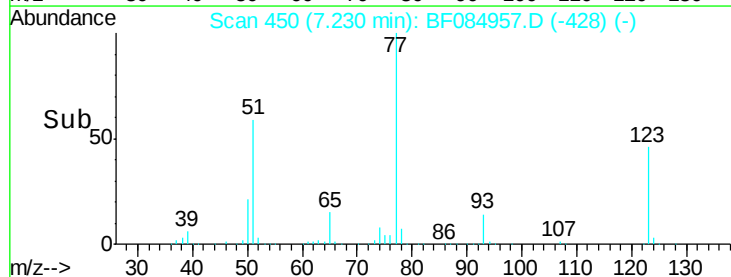
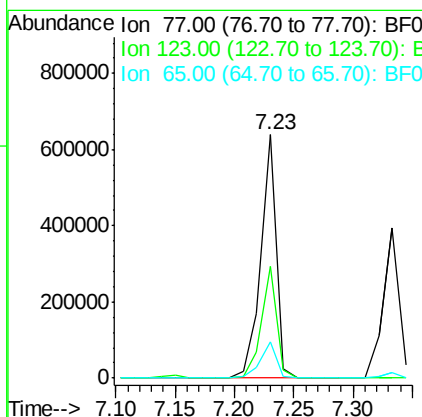
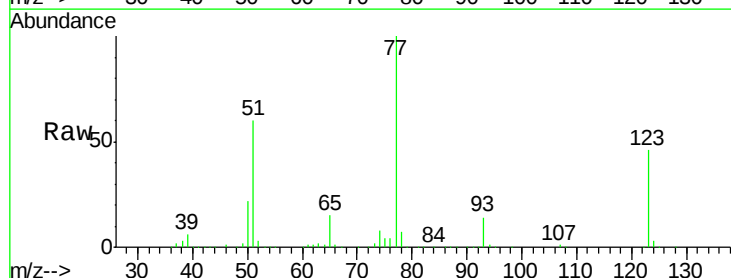
Manual Integrations
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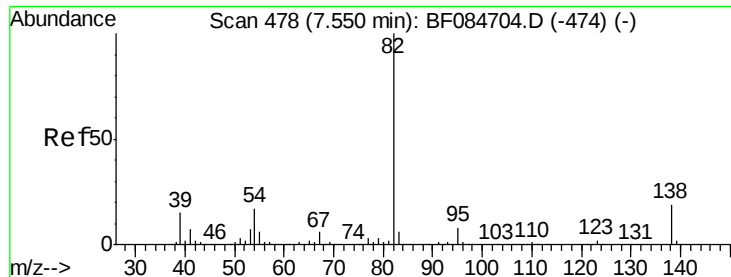
Sohil
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#24
Nitrobenzene
Concen: 46.35 ng
RT: 7.23 min Scan# 450
Delta R.T. -0.05 min
Lab File: BF084957.D
Acq: 9 Feb 2016 17:38

Tgt Ion: 77 Resp: 585591
Ion Ratio Lower Upper
77 100
123 45.7 37.4 56.2
65 15.0 10.9 16.3





#25

Isophorone

Concen: 47.03 ng

RT: 7.47 min Scan# 471

Delta R.T. -0.06 min

Lab File: BF084957.D

Acq: 9 Feb 2016 17:38

Instrument :

BNA_F

ClientSampleId :

S4-B005(28-30)MS

Tot Ion: 82 Resp: 1079117

Ion Ratio Lower Upper

82 100

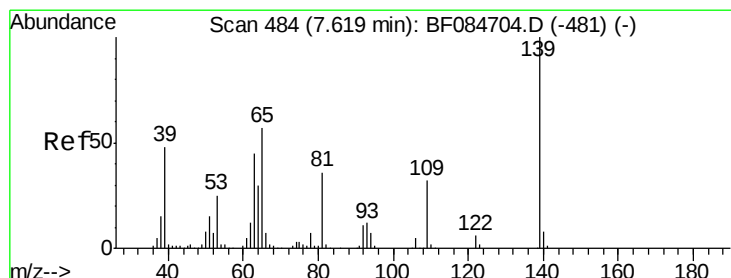
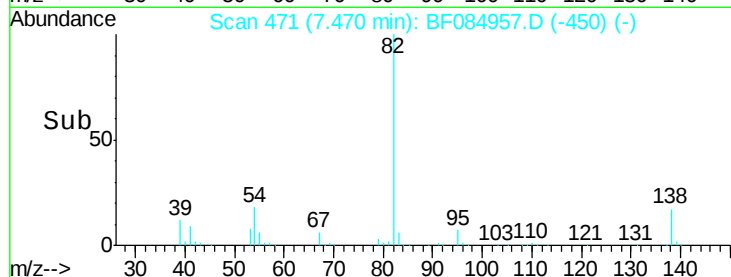
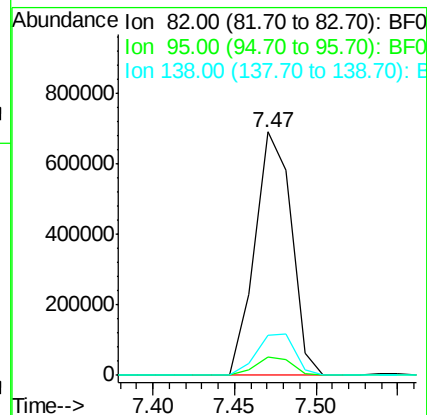
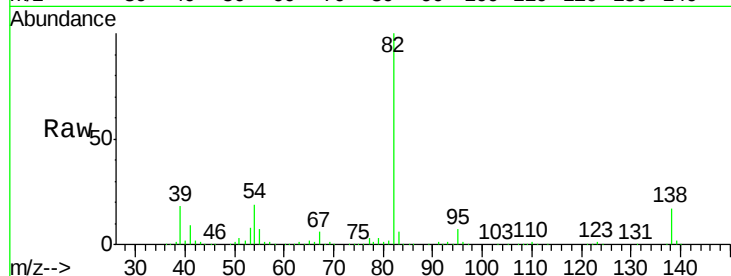
95 7.3 6.6 10.0

138 16.6 13.6 20.4

Manual Integrations
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#26

2-Nitrophenol

Concen: 51.89 ng

RT: 7.55 min Scan# 478

Delta R.T. -0.05 min

Lab File: BF084957.D

Acq: 9 Feb 2016 17:38

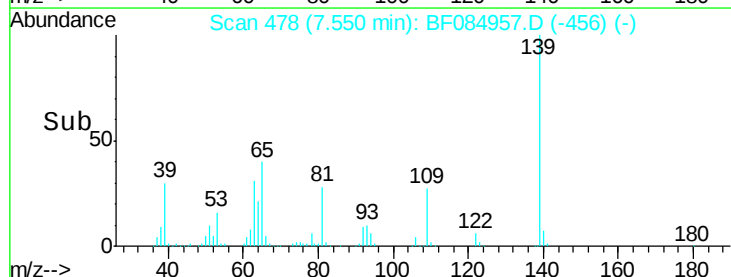
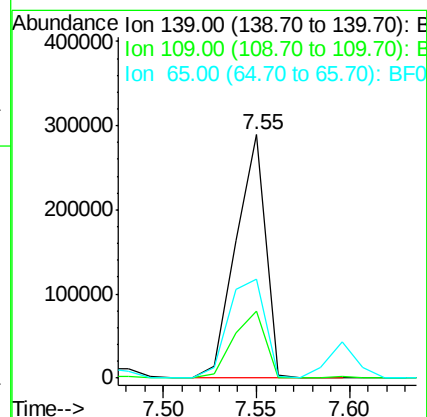
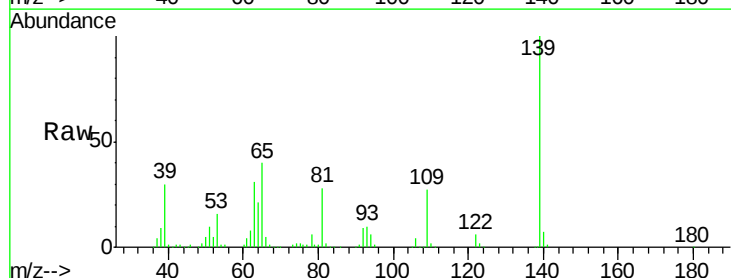
Tgt Ion: 139 Resp: 323355

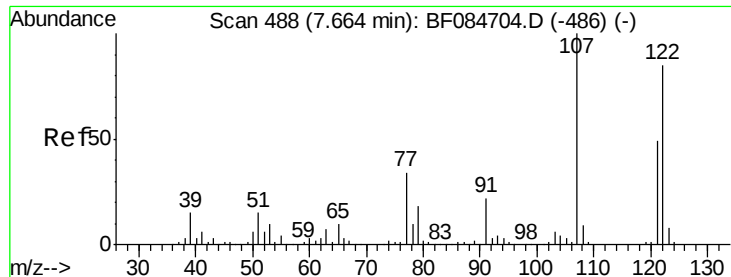
Ion Ratio Lower Upper

139 100

109 27.3 25.4 38.2

65 40.4 32.3 48.5





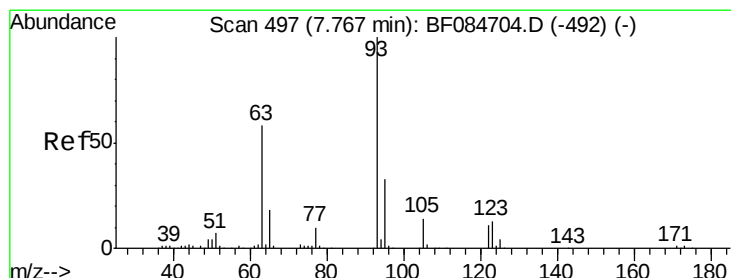
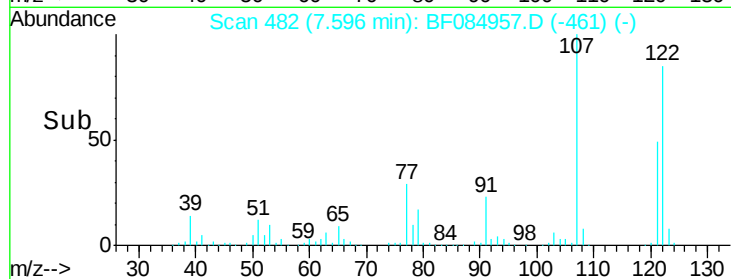
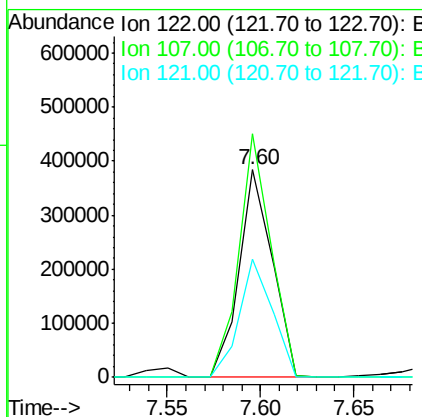
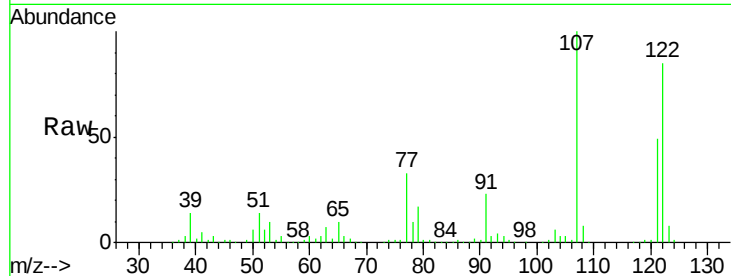
#27
 2,4-Dimethylphenol
 Concen: 44.17 ng
 RT: 7.60 min Scan# 482
 Delta R.T. -0.06 min
 Lab File: BF084957.D
 Acq: 9 Feb 2016 17:38

Instrument :
 BNA_F
 ClientSampleId :
 S4-B005(28-30)MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
122	100		478741		
107	117.4	99.1	148.7		
121	57.0	47.9	71.9		

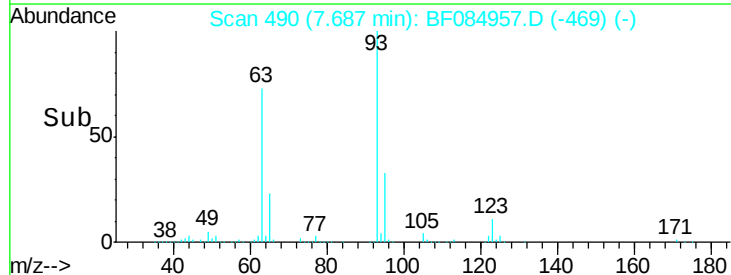
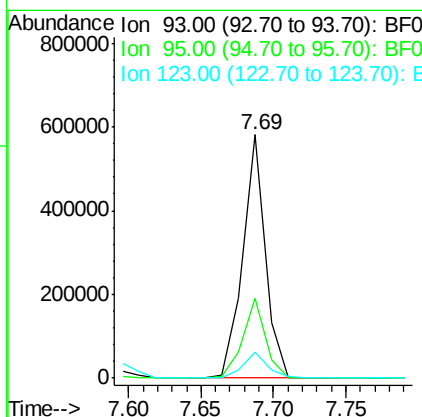
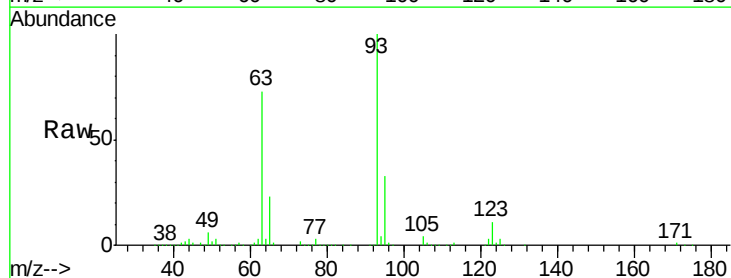
Manual Integrations
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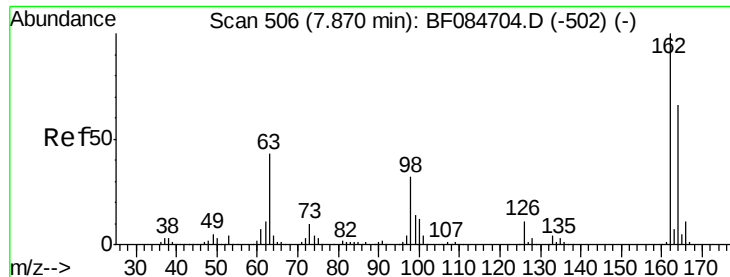
Sohil
 2/10/2016 1:45:00 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 46.10 ng
 RT: 7.69 min Scan# 490
 Delta R.T. -0.06 min
 Lab File: BF084957.D
 Acq: 9 Feb 2016 17:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
93	100		627548		
95	32.7	25.8	38.6		
123	10.6	8.6	12.8		





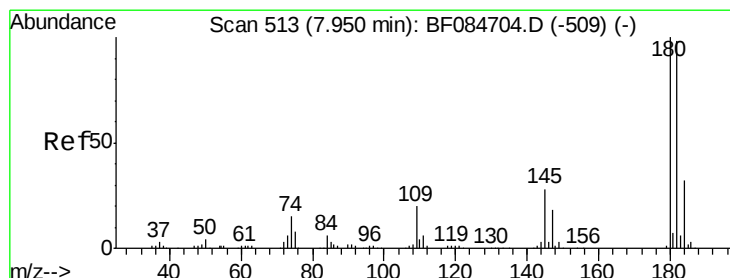
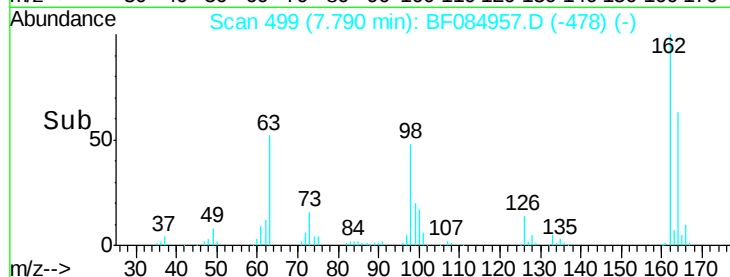
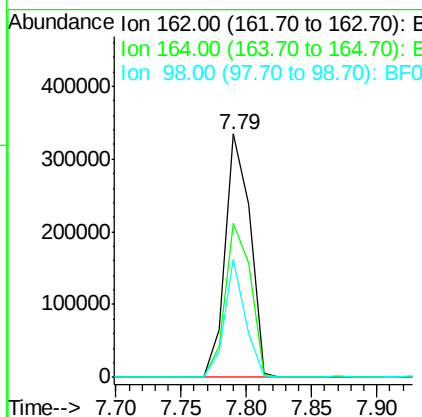
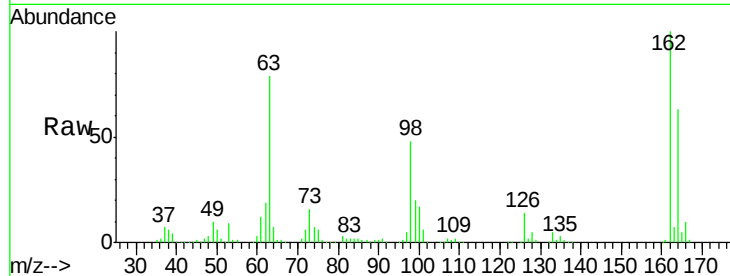
#29
 2,4-Dichlorophenol
 Concen: 47.88 ng
 RT: 7.79 min Scan# 499
 Delta R.T. -0.06 min
 Lab File: BF084957.D
 Acq: 9 Feb 2016 17:38

Instrument :
 BNA_F
 ClientSampleId :
 S4-B005(28-30)MS

Tot Ion	Ratio	Resp Lower	Upper
162	100		
164	63.2	44.1	84.1
98	48.3	20.2	60.2

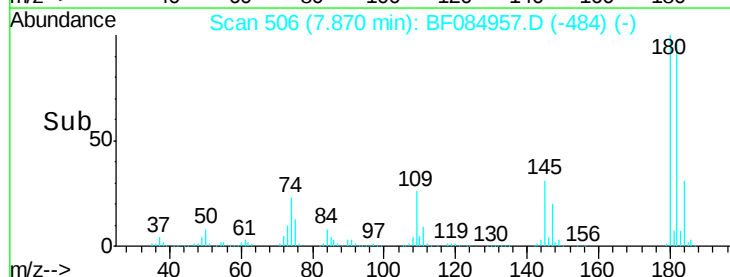
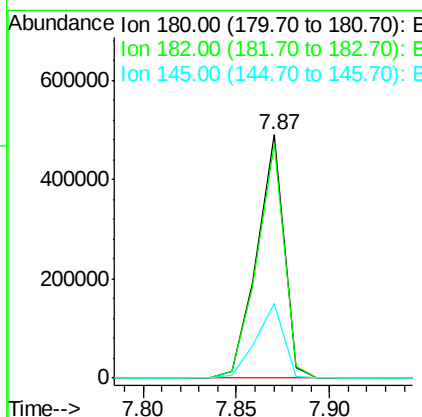
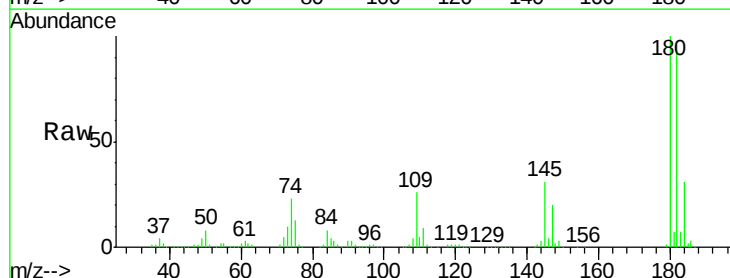
Manual Integrations
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#30
 1,2,4-Trichlorobenzene
 Concen: 47.15 ng
 RT: 7.87 min Scan# 506
 Delta R.T. -0.05 min
 Lab File: BF084957.D
 Acq: 9 Feb 2016 17:38

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	96.1	76.4	114.6
145	30.7	31.6	47.4#





#31

Naphthalene

Concen: 48.34 ng

RT: 7.95 min Scan# 513

Delta R.T. -0.05 min

Lab File: BF084957.D

Acq: 9 Feb 2016 17:38

Instrument :

BNA_F

ClientSampleId :

S4-B005(28-30)MS

Tot Ion:128 Resp: 1611772

Ion Ratio Lower Upper

128 100

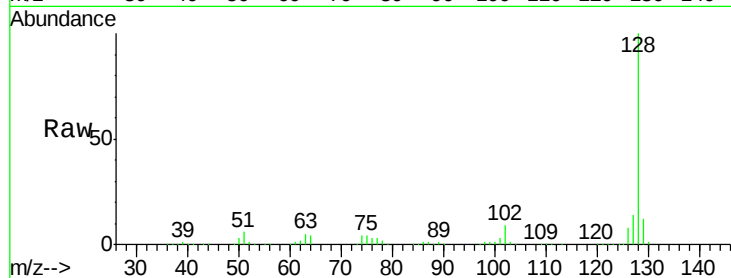
129 11.5 9.1 13.7

127 13.8 11.1 16.7

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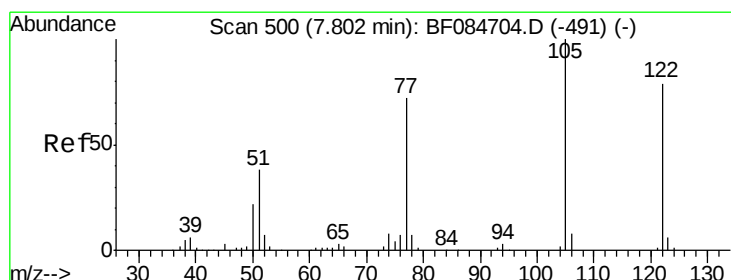
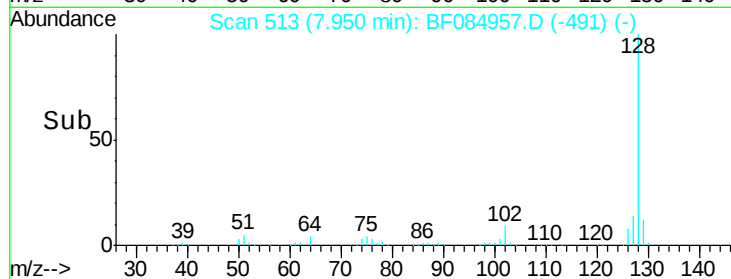
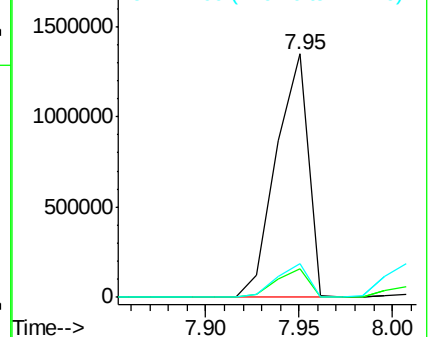
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 11.74 ng

RT: 7.71 min Scan# 492

Delta R.T. -0.08 min

Lab File: BF084957.D

Acq: 9 Feb 2016 17:38

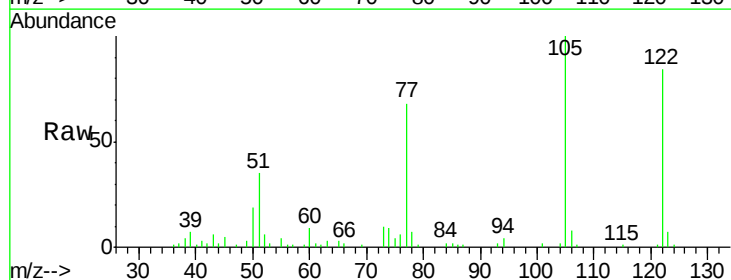
Tgt Ion:122 Resp: 81428

Ion Ratio Lower Upper

122 100

105 119.2 100.3 140.3

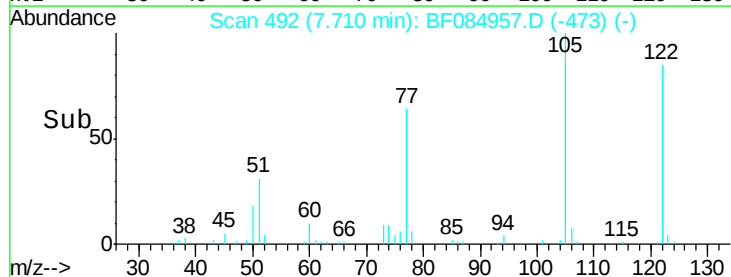
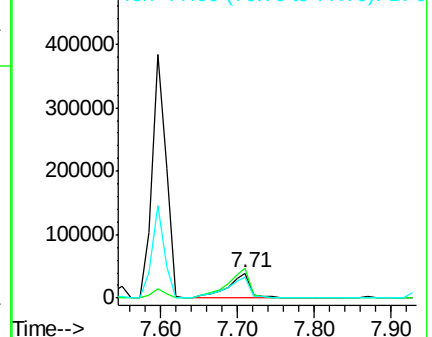
77 80.8 63.5 103.5

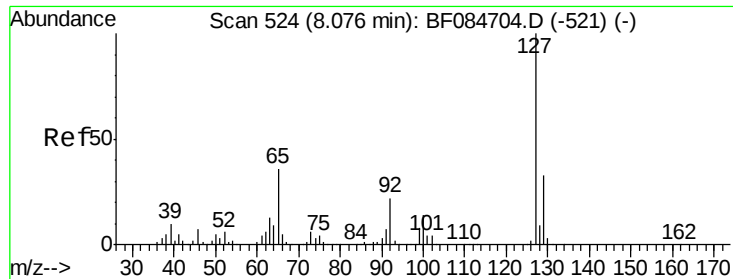


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0





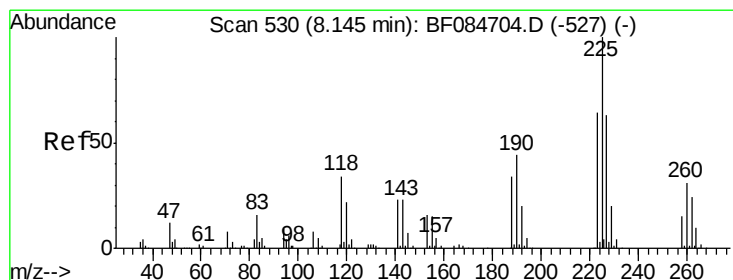
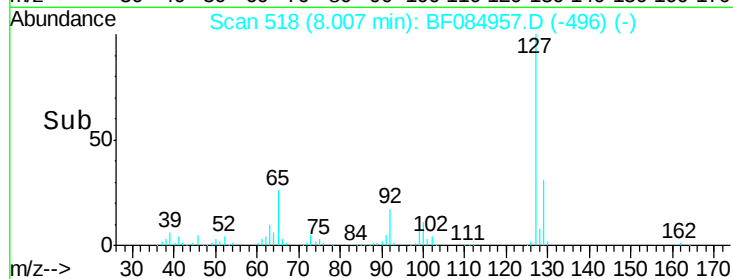
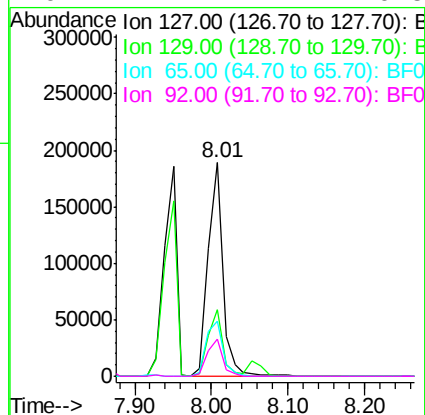
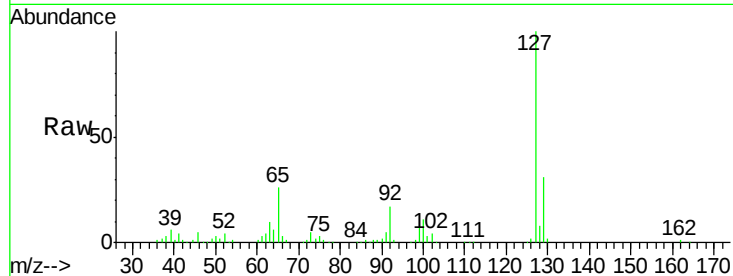
#33
4-Chloroaniline
Concen: 18.24 ng
RT: 8.01 min Scan# 518
Delta R.T. -0.05 min
Lab File: BF084957.D
Acq: 9 Feb 2016 17:38

Instrument :
BNA_F
ClientSampleId :
S4-B005(28-30)MS

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	31.4	26.5	39.7	
65	25.5	27.2	40.8	
92	17.2	17.7	26.5	

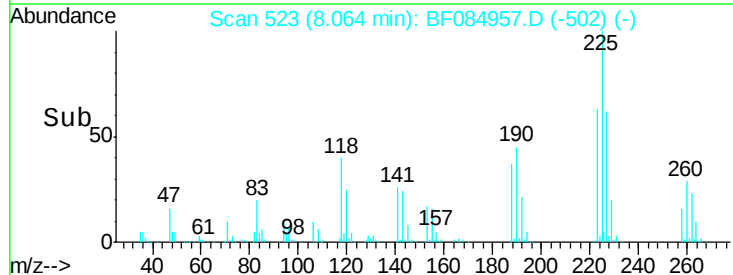
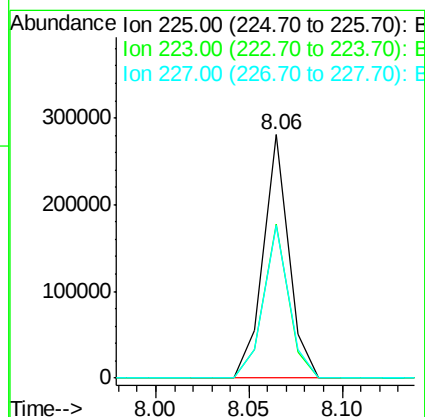
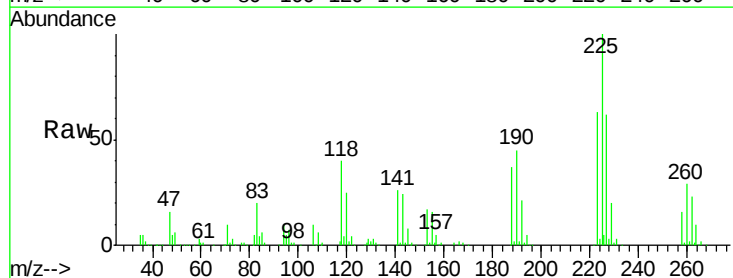
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#34
Hexachlorobutadiene
Concen: 43.88 ng
RT: 8.06 min Scan# 523
Delta R.T. -0.06 min
Lab File: BF084957.D
Acq: 9 Feb 2016 17:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.3	49.4	74.0	
227	62.5	50.8	76.2	





#35

Caprolactam

Concen: 53.74 ng/ml

RT: 8.40 min Scan# 552

Delta R.T. -0.05 min

Lab File: BF084957.D

Acq: 9 Feb 2016 17:38

Instrument :

BNA_F

ClientSampleId :

S4-B005(28-30)MS

Tot Ion:113 Resp: 153610

Ion Ratio Lower Upper

113 100

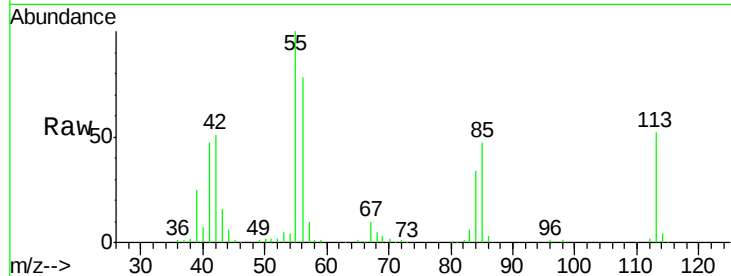
55 191.7 116.9 156.9#

56 149.5 93.8 133.8#

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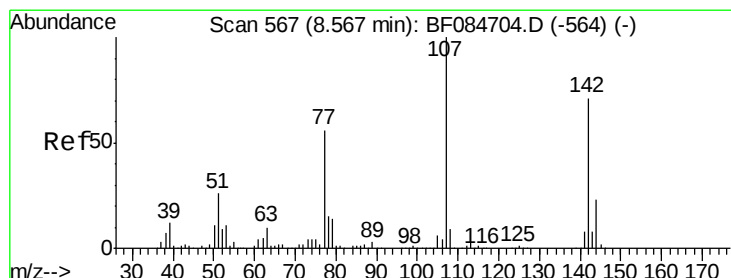
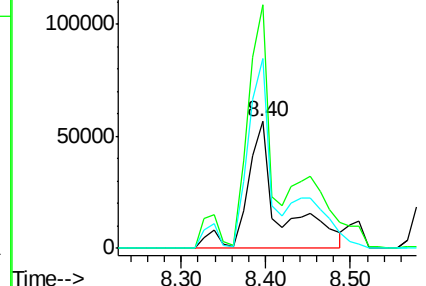
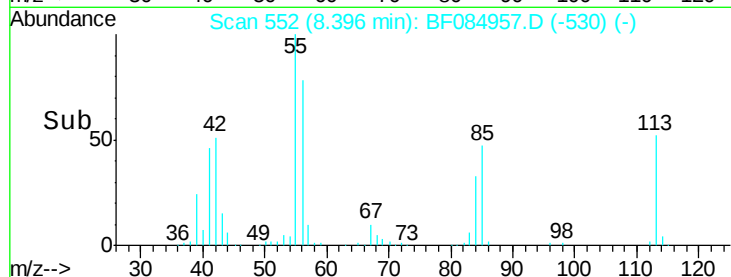
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Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#36

4-Chloro-3-methylphenol

Concen: 53.10 ng/ml

RT: 8.51 min Scan# 562

Delta R.T. -0.03 min

Lab File: BF084957.D

Acq: 9 Feb 2016 17:38

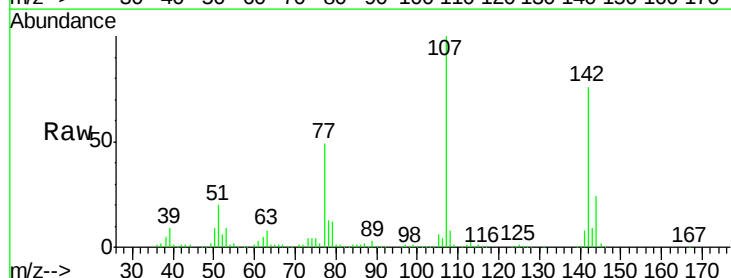
Tgt Ion:107 Resp: 561859

Ion Ratio Lower Upper

107 100

144 24.3 19.7 29.5

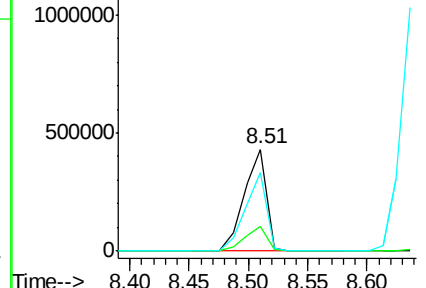
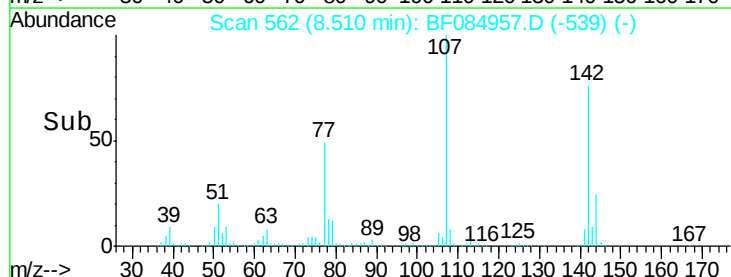
142 76.5 61.8 92.6

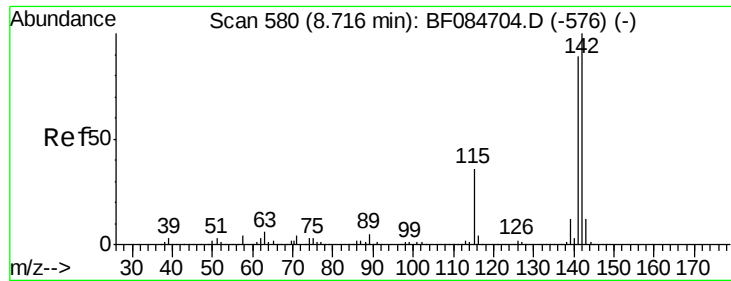


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





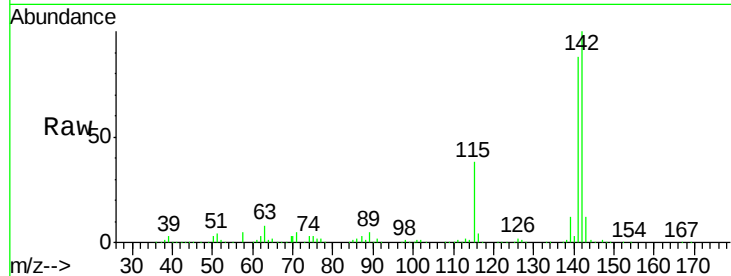
#37
2-Methylnaphthalene
Concen: 48.43 ng
RT: 8.64 min Scan# 573
Delta R.T. -0.06 min
Lab File: BF084957.D
Acq: 9 Feb 2016 17:38

Instrument :
BNA_F
ClientSampleId :
S4-B005(28-30)MS

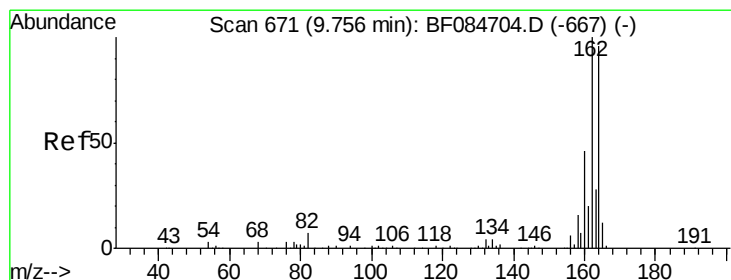
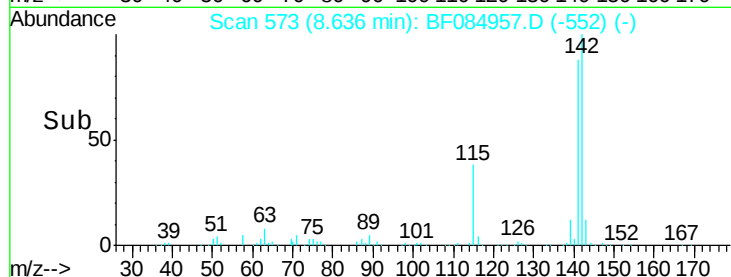
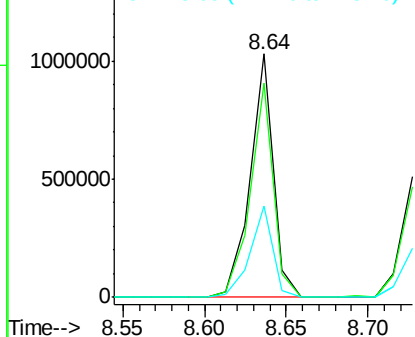
Tot Ion	Ratio	Lower	Upper
142	100		
141	87.8	72.4	108.6
115	37.8	27.9	41.9

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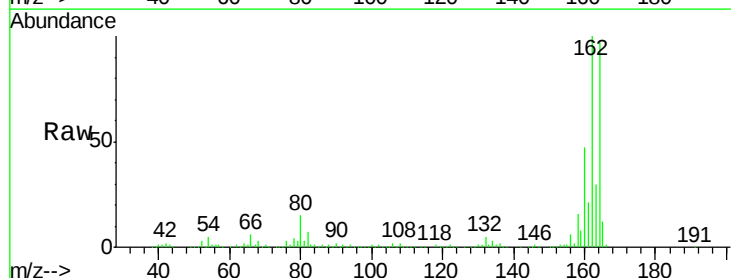


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

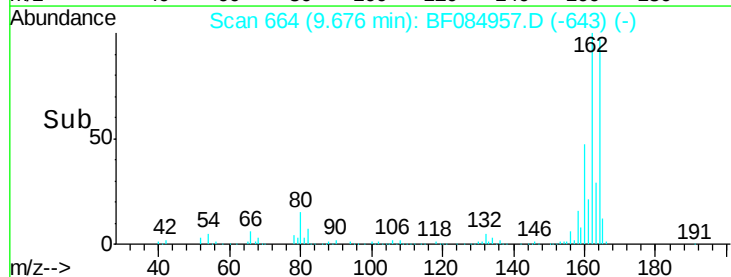
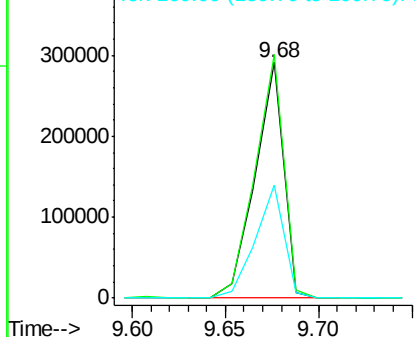


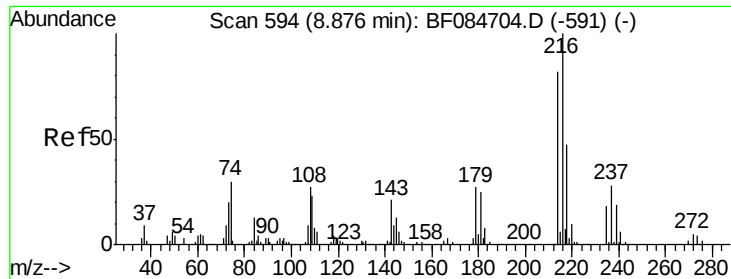
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.68 min Scan# 664
Delta R.T. -0.06 min
Lab File: BF084957.D
Acq: 9 Feb 2016 17:38

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.4	85.1	127.7
160	48.2	37.5	56.3



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





#39

1,2,4,5-Tetrachlorobenzene

Concen: 47.39 ng

RT: 8.81 min Scan# 588

Delta R.T. -0.05 min

Lab File: BF084957.D

Acq: 9 Feb 2016 17:38

Instrument :

BNA_F

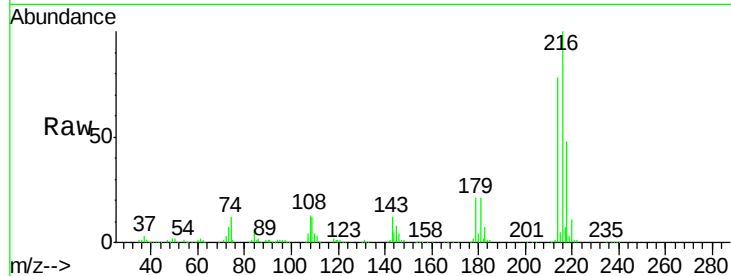
ClientSampleId :

S4-B005(28-30)MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
216	100		462471		
214	79.2		64.2	96.2	
179	23.3		18.7	28.1	
108	20.9		16.8	25.2	

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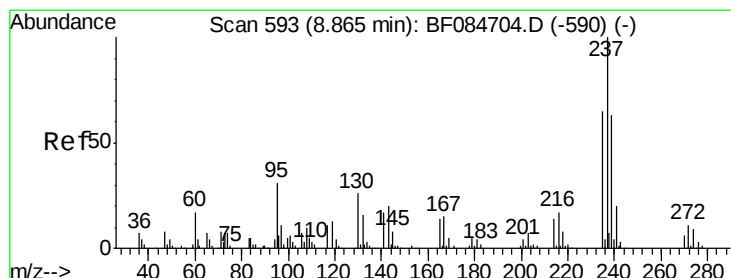
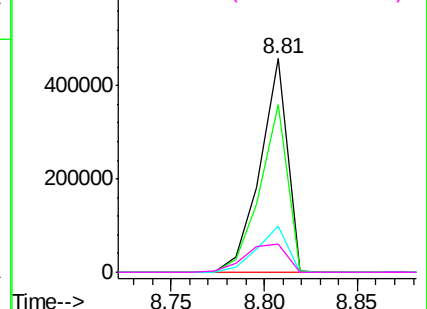
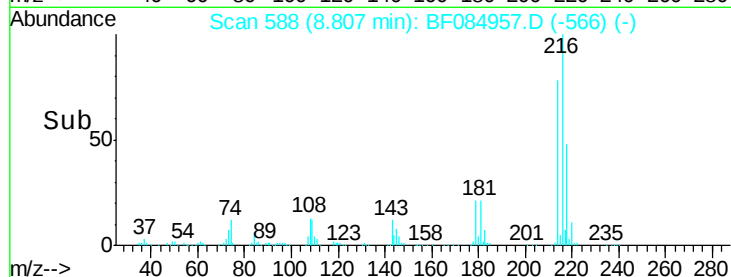


Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E



#40

Hexachlorocyclopentadiene

Concen: 82.72 ng

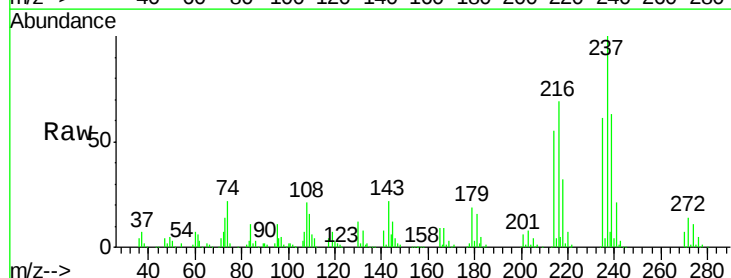
RT: 8.80 min Scan# 587

Delta R.T. -0.05 min

Lab File: BF084957.D

Acq: 9 Feb 2016 17:38

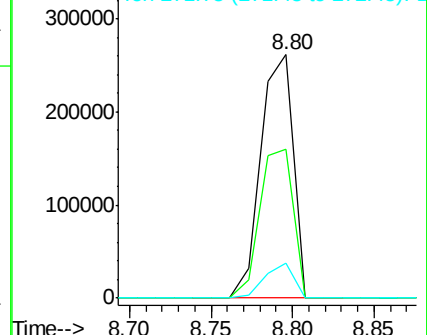
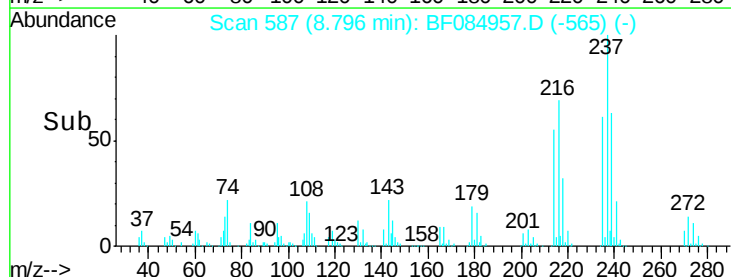
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
237	100		361316		
235	61.4		43.1	83.1	
272	14.3		0.0	35.1	

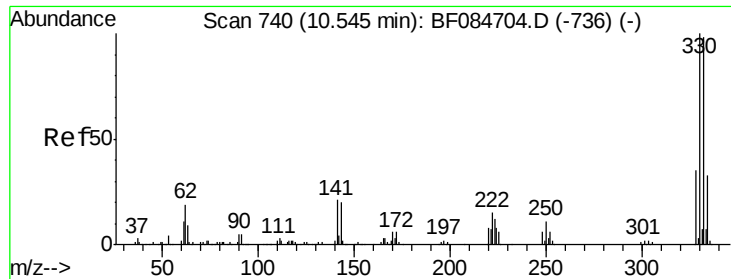


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





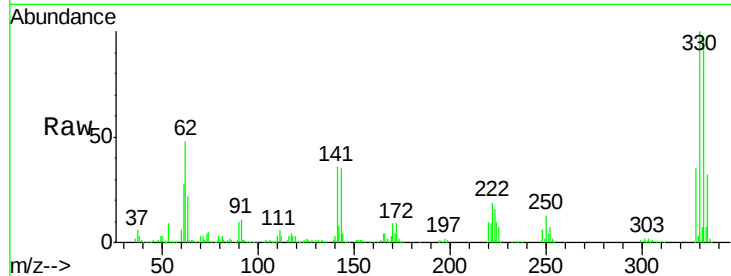
#41
 2,4,6-Tribromophenol
 Concen: 136.63 ng
 RT: 10.46 min Scan# 733
 Delta R.T. -0.06 min
 Lab File: BF084957.D
 Acq: 9 Feb 2016 17:38

Instrument :
 BNA_F
 ClientSampleId :
 S4-B005(28-30)MS

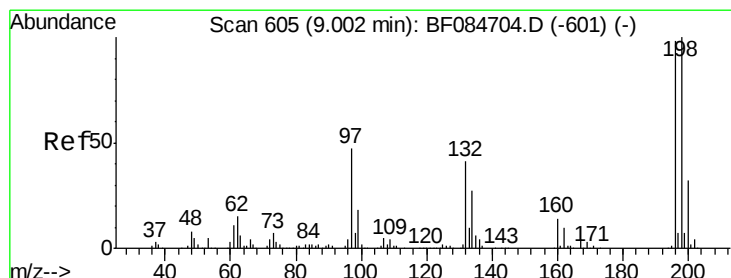
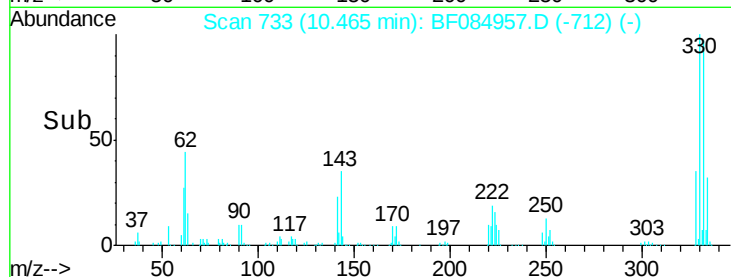
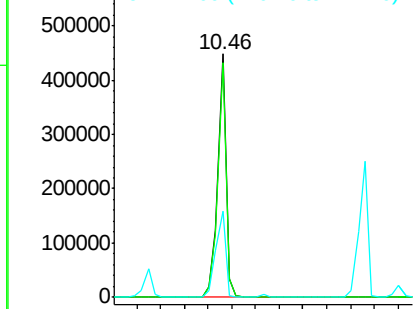
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	76.6	114.8
141	41.6	27.8	41.6

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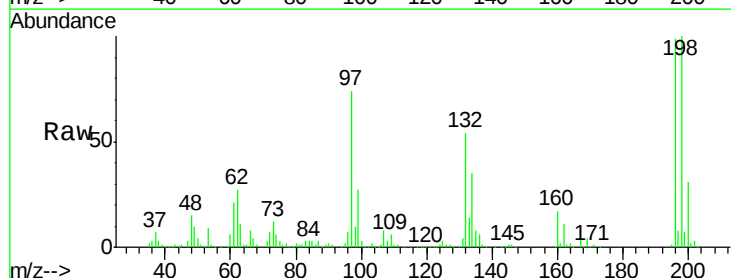


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

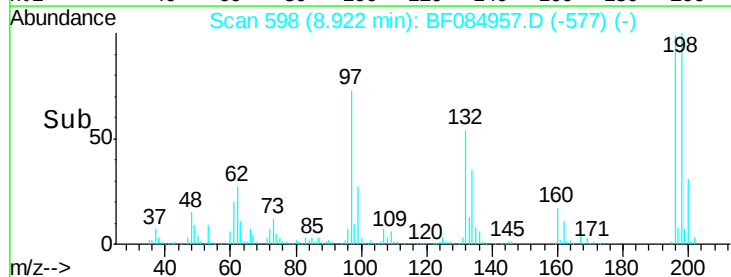
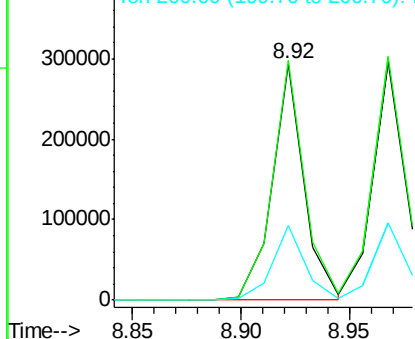


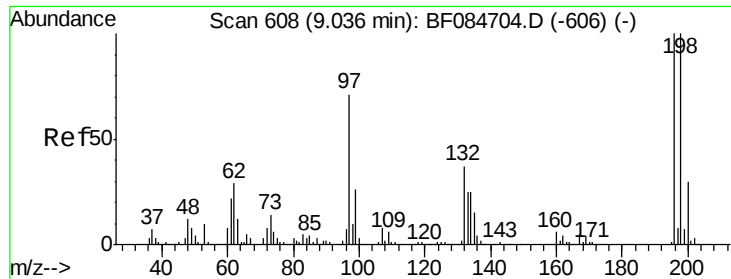
#42
 2,4,6-Trichlorophenol
 Concen: 48.19 ng
 RT: 8.92 min Scan# 598
 Delta R.T. -0.06 min
 Lab File: BF084957.D
 Acq: 9 Feb 2016 17:38

Tgt Ion	Ratio	Lower	Upper
196	100		
198	101.4	77.7	116.5
200	31.4	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





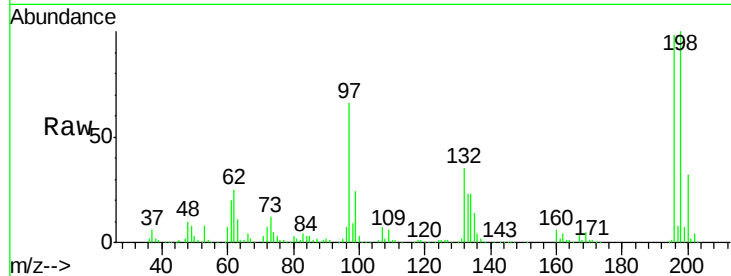
#43
 2,4,5-Trichlorophenol
 Concen: 48.17 ng
 RT: 8.97 min Scan# 602
 Delta R.T. -0.05 min
 Lab File: BF084957.D
 Acq: 9 Feb 2016 17:38

Instrument :
 BNA_F
 ClientSampleId :
 S4-B005(28-30)MS

Tot Ion	Ratio	Resp	Lower	Upper
196	100			
198	102.3	79.0	118.6	
97	67.1	33.0	49.6	
132	35.5	21.1	31.7	

Manual Integrations
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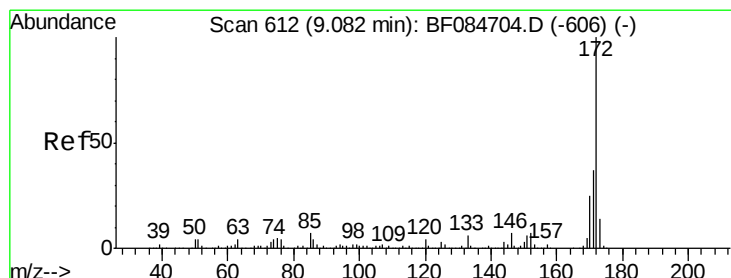
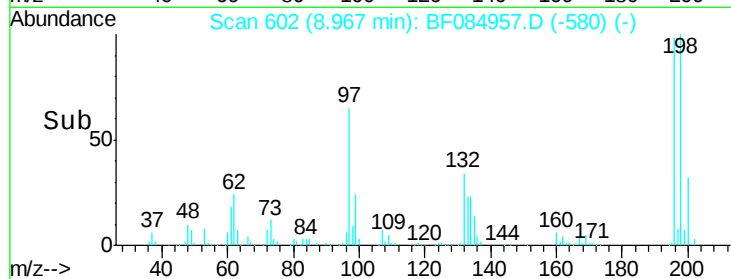
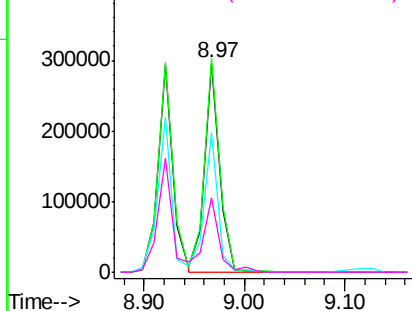
Abundance

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: 97.73 ng
 RT: 9.00 min Scan# 605
 Delta R.T. -0.06 min
 Lab File: BF084957.D
 Acq: 9 Feb 2016 17:38

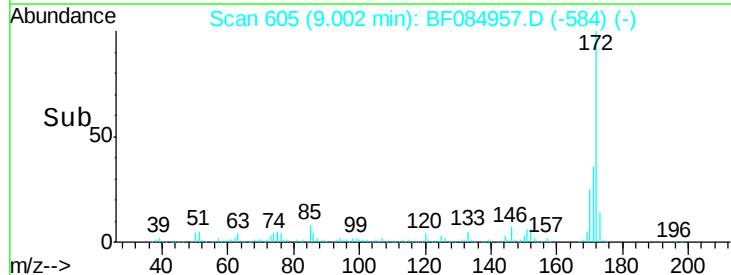
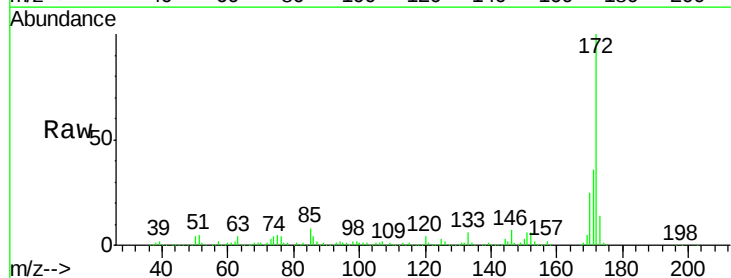
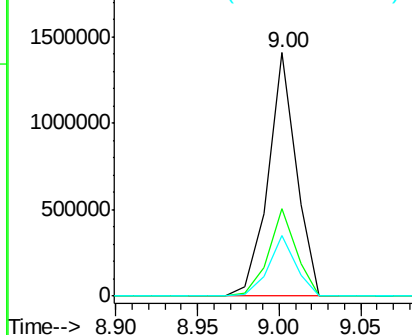
Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.1	28.9	43.3	
170	24.9	18.6	27.8	

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: 47.58 ng

RT: 9.10 min Scan# 614

Delta R.T. -0.06 min

Lab File: BF084957.D

Acq: 9 Feb 2016 17:38

Instrument :

BNA_F

ClientSampleId :

S4-B005(28-30)MS

Tot Ion:154 Resp: 1305813

Ion Ratio Lower Upper

154 100

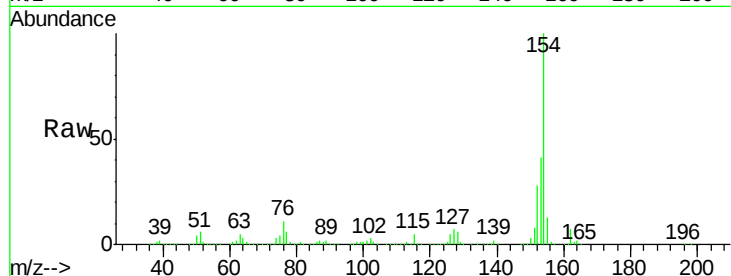
153 41.0 21.6 61.6

76 10.7 0.0 32.7

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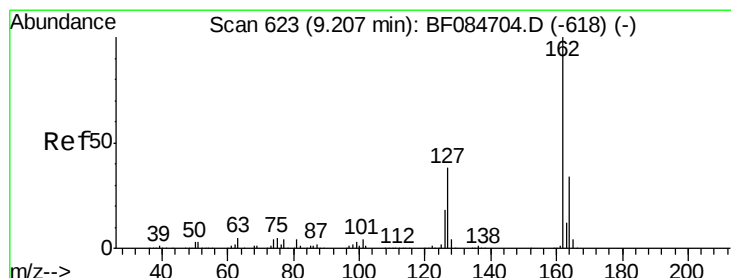
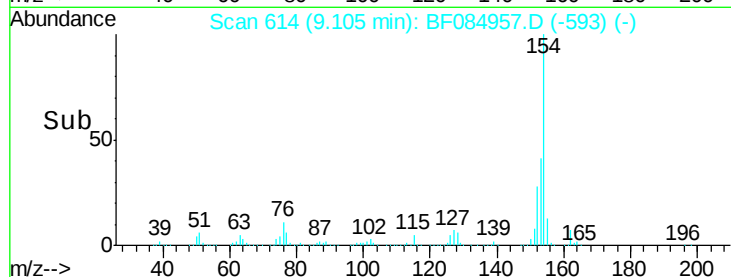
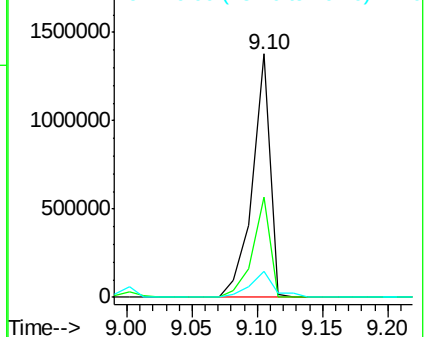
2/10/2016 1:45:00 PM



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#46

2-Chloronaphthalene

Concen: 49.42 ng

RT: 9.13 min Scan# 616

Delta R.T. -0.05 min

Lab File: BF084957.D

Acq: 9 Feb 2016 17:38

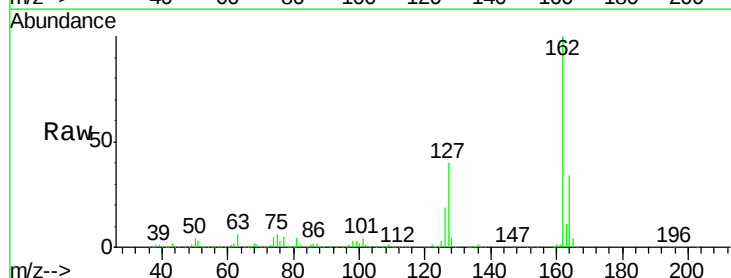
Tgt Ion:162 Resp: 998726

Ion Ratio Lower Upper

162 100

127 39.7 40.2 60.4#

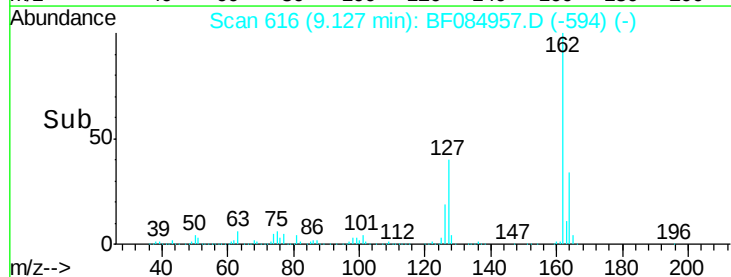
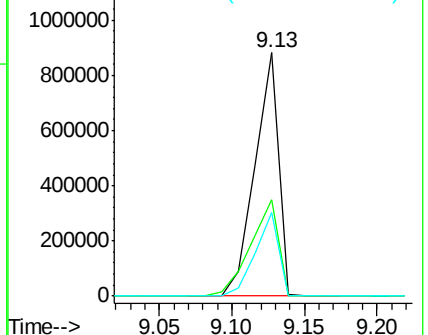
164 34.3 25.7 38.5

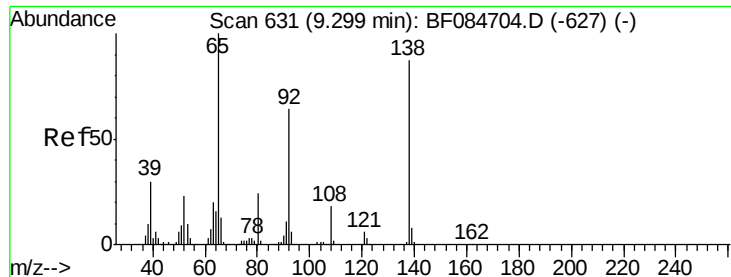


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 54.54 ng

RT: 9.23 min Scan# 625

Delta R.T. -0.05 min

Lab File: BF084957.D

Acq: 9 Feb 2016 17:38

Instrument :

BNA_F

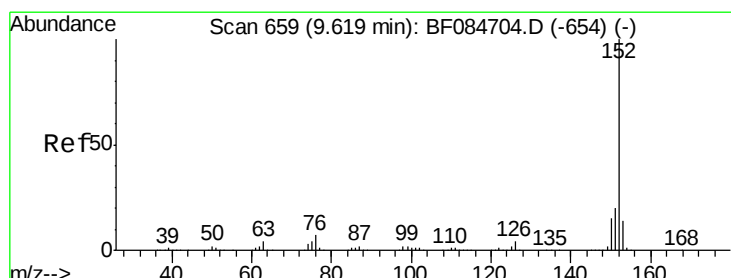
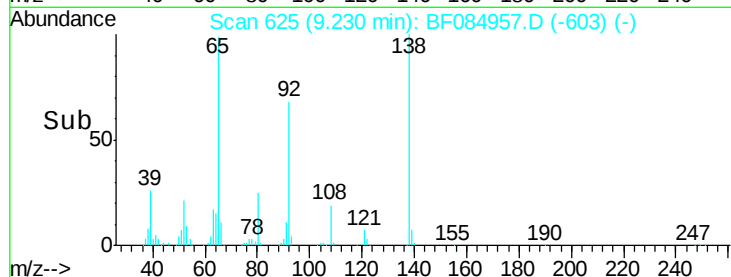
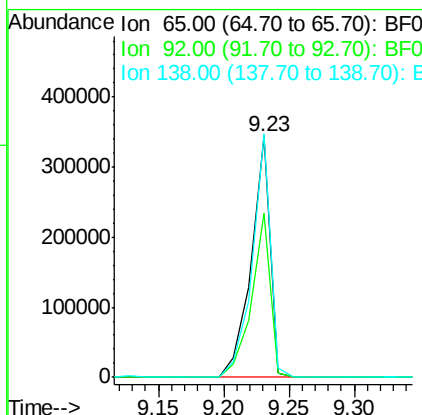
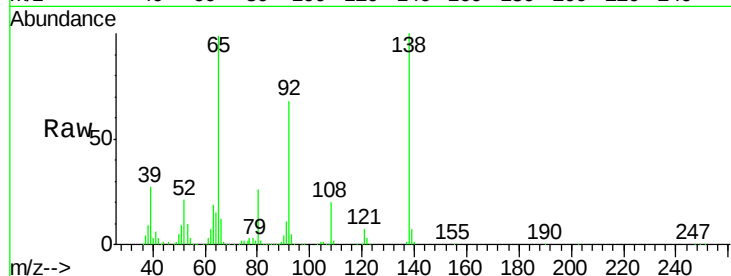
ClientSampleId :

S4-B005(28-30)MS

Tot Ion:	65	Resp:	349021
Ion Ratio	Lower	Upper	
65	100		
92	68.4	53.4	80.2
138	101.2	71.1	106.7

Manual Integrations
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#48

Acenaphthylene

Concen: 48.10 ng

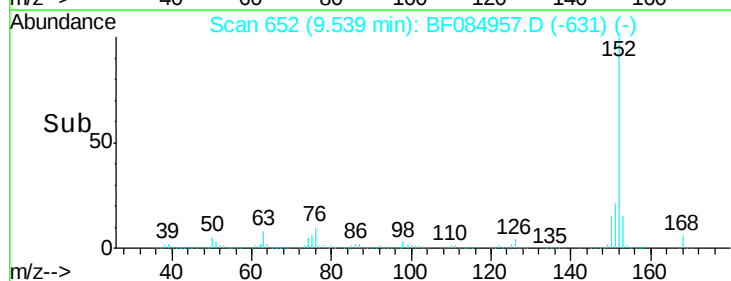
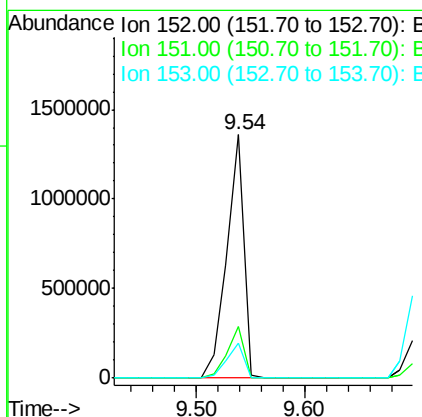
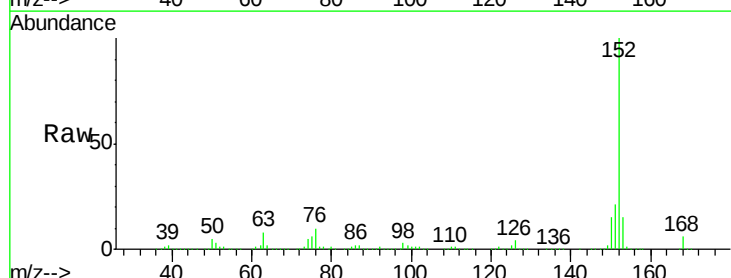
RT: 9.54 min Scan# 652

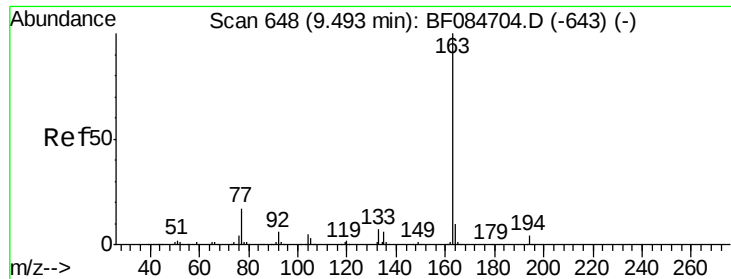
Delta R.T. -0.06 min

Lab File: BF084957.D

Acq: 9 Feb 2016 17:38

Tgt Ion:	152	Resp:	1475291
Ion Ratio	Lower	Upper	
152	100		
151	21.0	16.3	24.5
153	14.5	10.4	15.6





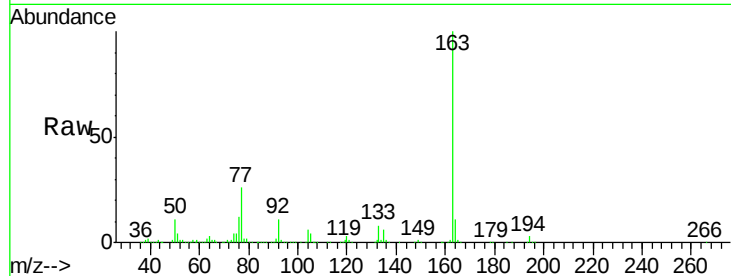
#49
Dimethylphthalate
Concen: 63.02 ng
RT: 9.41 min Scan# 641
Delta R.T. -0.06 min
Lab File: BF084957.D
Acq: 9 Feb 2016 17:38

Instrument :
BNA_F
ClientSampleId :
S4-B005(28-30)MS

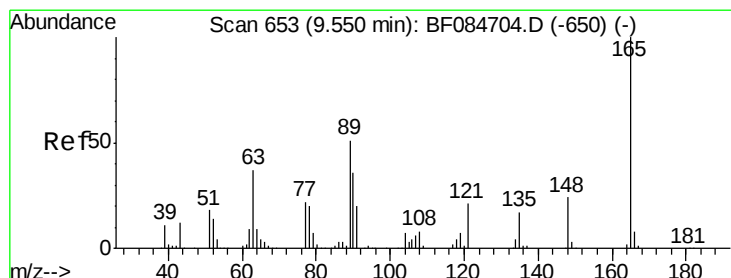
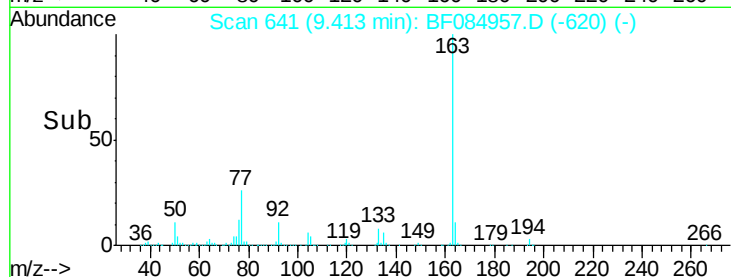
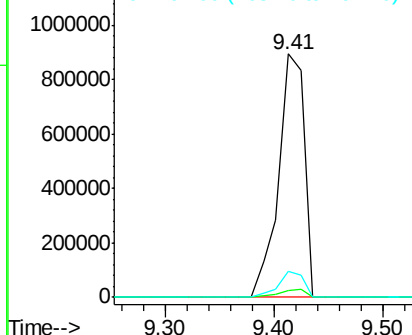
Tot Ion:163 Resp: 1474766
Ion Ratio Lower Upper
163 100
194 3.0 8.0 12.0#
164 10.8 8.0 12.0

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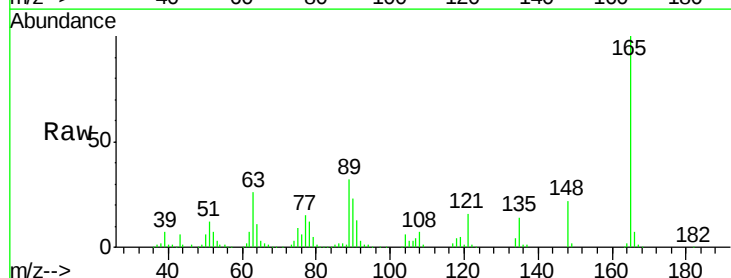


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

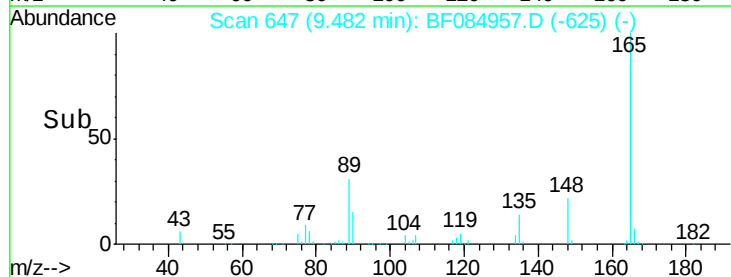
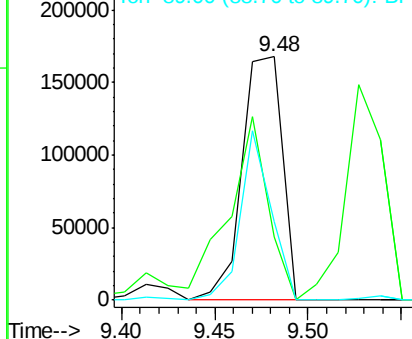


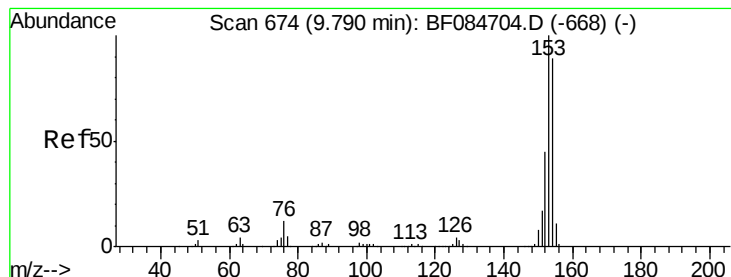
#50
2,6-Dinitrotoluene
Concen: 48.95 ng
RT: 9.48 min Scan# 647
Delta R.T. -0.05 min
Lab File: BF084957.D
Acq: 9 Feb 2016 17:38

Tgt Ion:165 Resp: 250256
Ion Ratio Lower Upper
165 100
63 25.7 28.8 43.2#
89 32.4 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: 48.50 ng

RT: 9.71 min Scan# 667

Delta R.T. -0.06 min

Lab File: BF084957.D

Acq: 9 Feb 2016 17:38

Instrument :

BNA_F

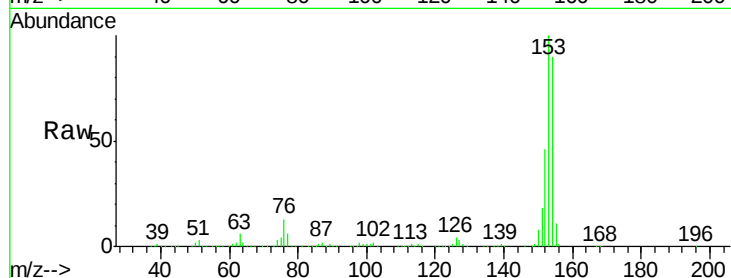
ClientSampleId :

S4-B005(28-30)MS

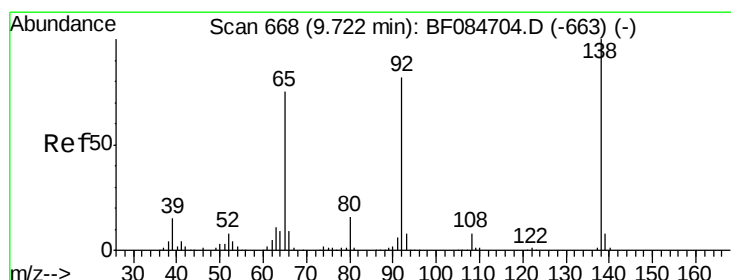
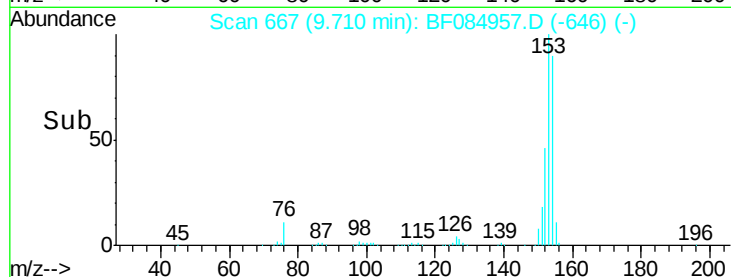
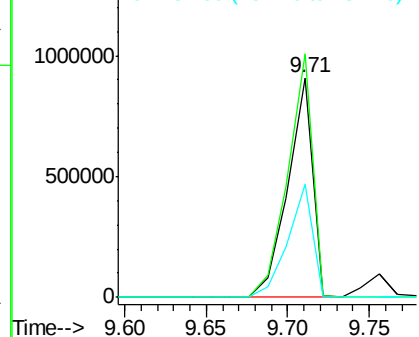
Tot Ion:	154	Resp:	967717
Ion Ratio	Lower	Upper	
154	100		
153	110.7	91.5	137.3
152	51.5	43.0	64.6

Manual Integrations
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2/10/2016 1:45:00 PM



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



#52

3-Nitroaniline

Concen: 31.27 ng

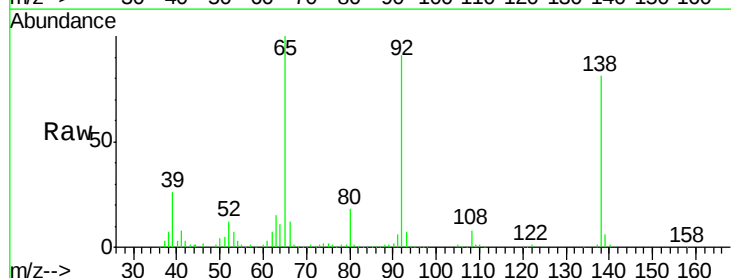
RT: 9.64 min Scan# 661

Delta R.T. -0.06 min

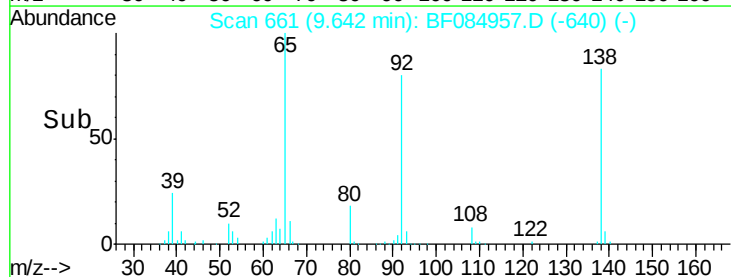
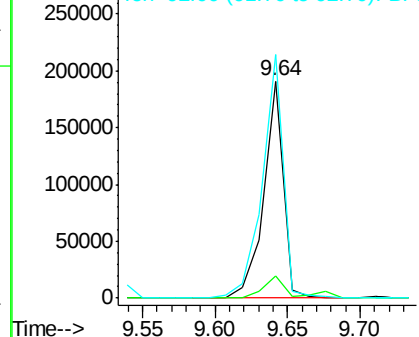
Lab File: BF084957.D

Acq: 9 Feb 2016 17:38

Tgt Ion:	138	Resp:	179648
Ion Ratio	Lower	Upper	
138	100		
108	10.2	10.5	15.7#
92	112.3	103.9	155.9



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





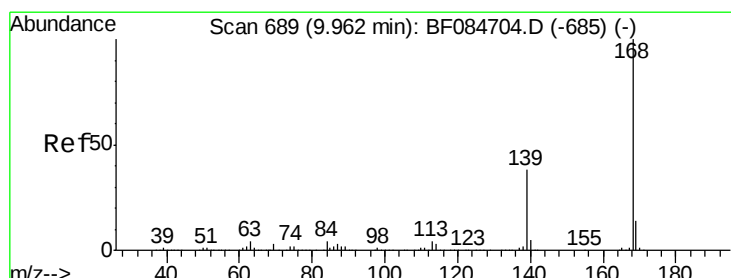
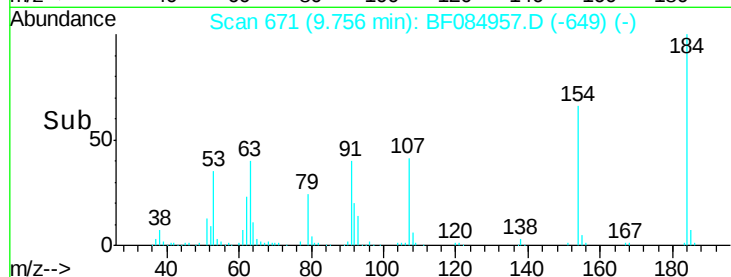
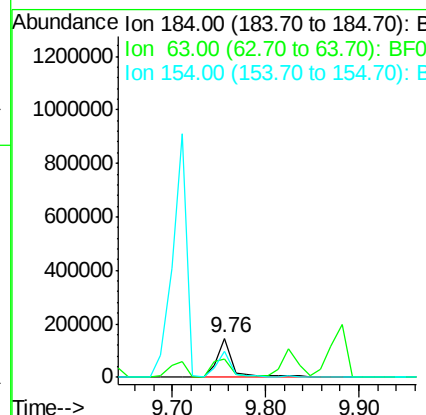
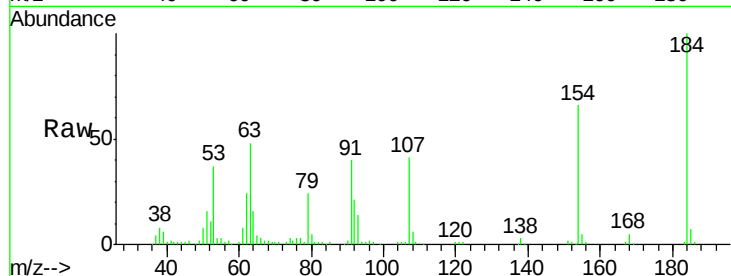
#53
2,4-Dinitrophenol
Concen: 73.97 ng
RT: 9.76 min Scan# 671
Delta R.T. -0.05 min
Lab File: BF084957.D
Acq: 9 Feb 2016 17:38

Instrument :
BNA_F
ClientSampleId :
S4-B005(28-30)MS

Tot Ion	Ratio	Resp	Lower	Upper
184	100	173437		
63	48.1	43.1	64.7	
154	65.9	60.5	90.7	

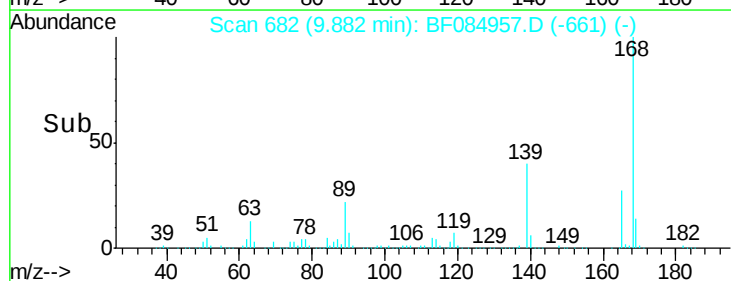
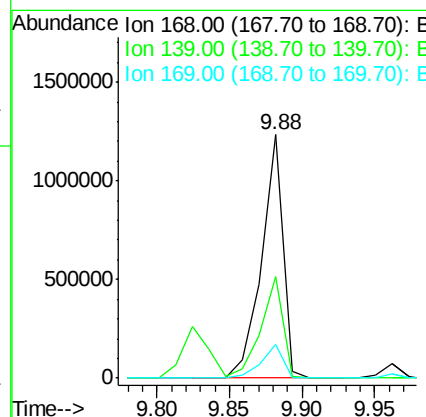
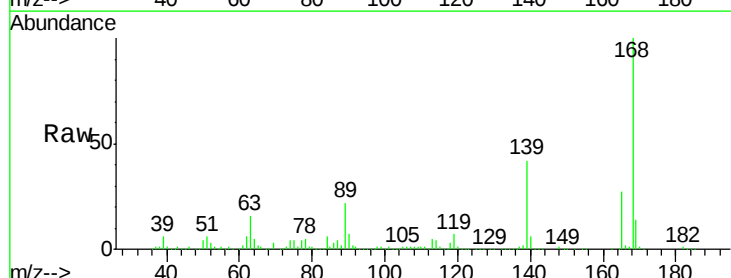
Manual Integrations
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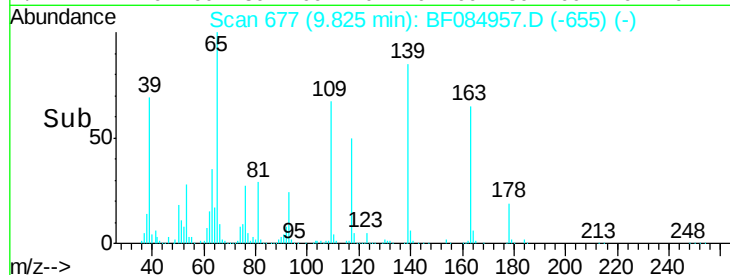
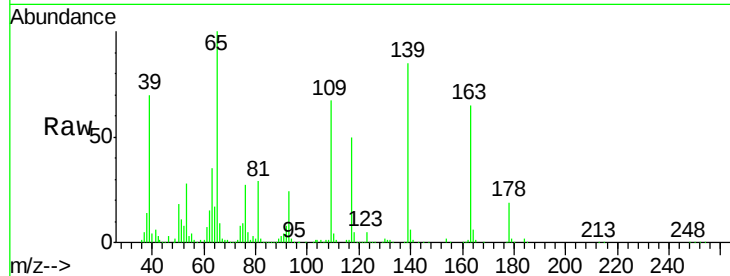
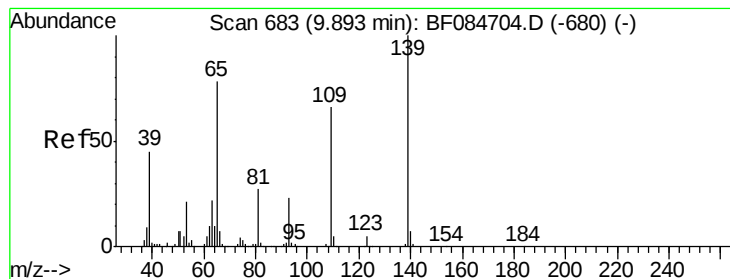
Sohil
2/10/2016 1:45:00 PM



#54
Dibenzofuran
Concen: 51.78 ng
RT: 9.88 min Scan# 682
Delta R.T. -0.06 min
Lab File: BF084957.D
Acq: 9 Feb 2016 17:38

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	1262716		
139	41.5	30.5	45.7	
169	13.7	10.4	15.6	





#55

4-Nitrophenol

Concen: 79.04 ng

RT: 9.82 min Scan# 677

Delta R.T. -0.05 min

Lab File: BF084957.D

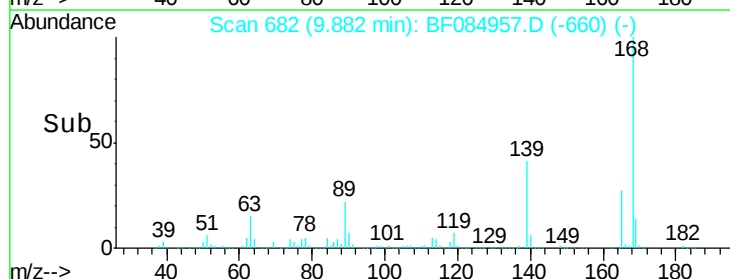
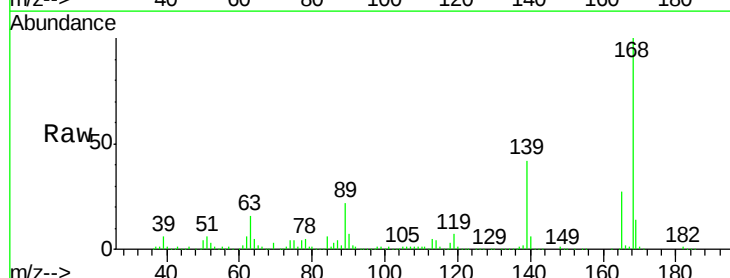
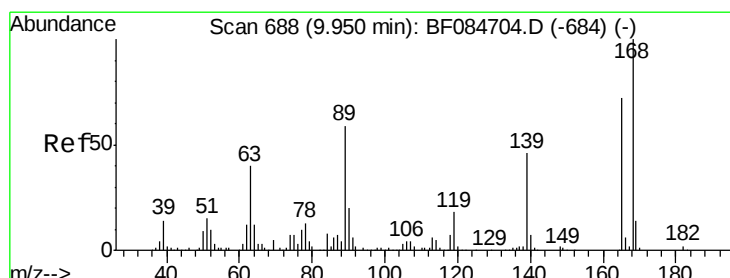
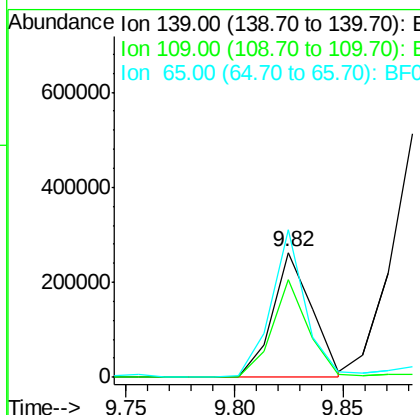
Acq: 9 Feb 2016 17:38

Tot Ion:	139	Resp:	333718
Ion Ratio	Lower	Upper	
139	100		
109	78.7	58.5	98.5
65	117.9	57.6	97.6#

Instrument :
BNA_F
ClientSampleId :
S4-B005(28-30)MS

Manual Integrations
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2/10/2016 1:45:00 PM



#56

2,4-Dinitrotoluene

Concen: 53.29 ng

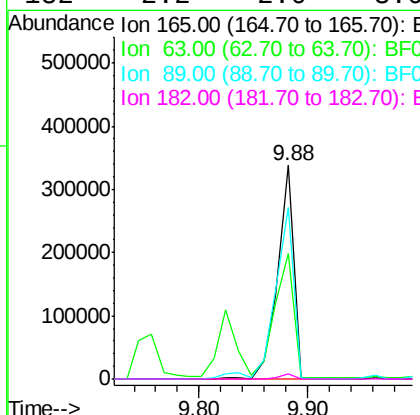
RT: 9.88 min Scan# 682

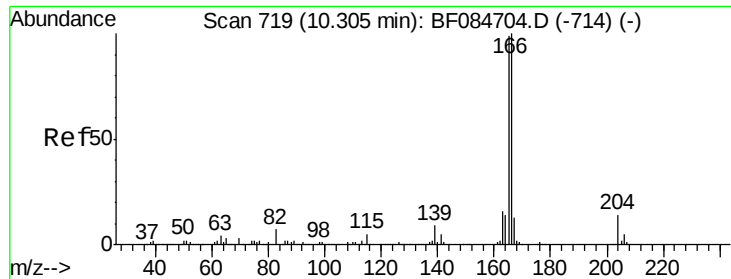
Delta R.T. -0.05 min

Lab File: BF084957.D

Acq: 9 Feb 2016 17:38

Tgt Ion:	165	Resp:	347483
Ion Ratio	Lower	Upper	
165	100		
63	59.0	36.7	55.1#
89	80.1	61.9	92.9
182	2.2	2.0	3.0





#57

Fluorene

Concen: 52.46 ng

RT: 10.22 min Scan# 712

Delta R.T. -0.05 min

Lab File: BF084957.D

Acq: 9 Feb 2016 17:38

Instrument :

BNA_F

ClientSampleId :

S4-B005(28-30)MS

Tot Ion:166 Resp: 1068345

Ion Ratio Lower Upper

166 100

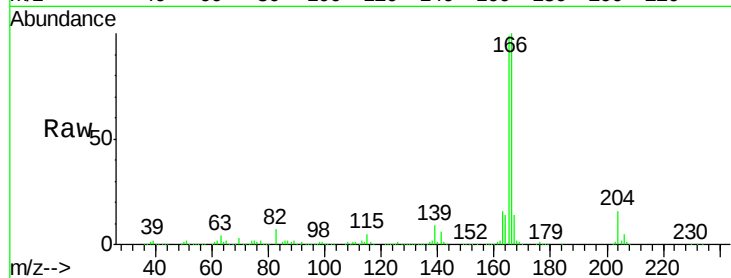
165 98.9 79.1 118.7

167 13.7 10.4 15.6

Manual Integrations
APPROVED

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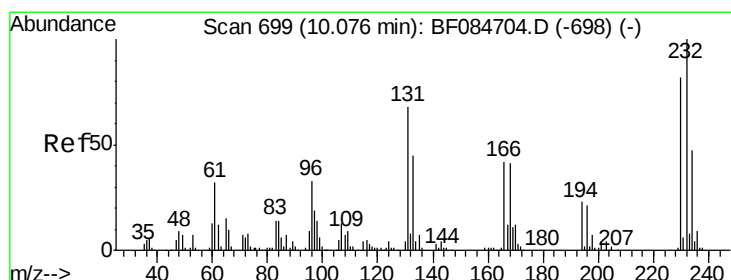
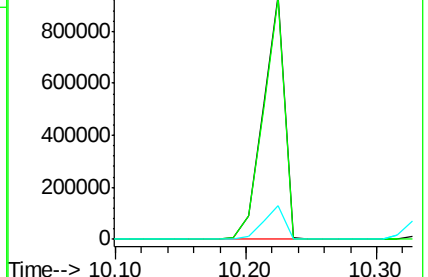
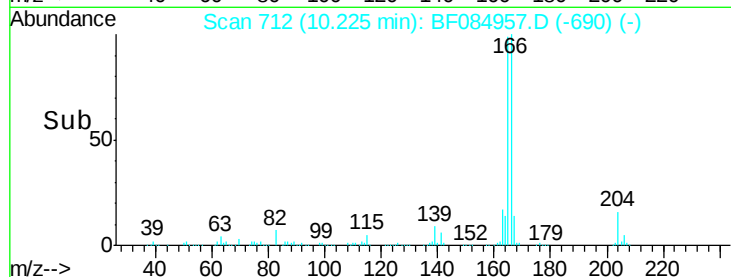
2/10/2016 1:45:00 PM



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: 56.28 ng

RT: 10.01 min Scan# 693

Delta R.T. -0.05 min

Lab File: BF084957.D

Acq: 9 Feb 2016 17:38

Tgt Ion:232 Resp: 273663

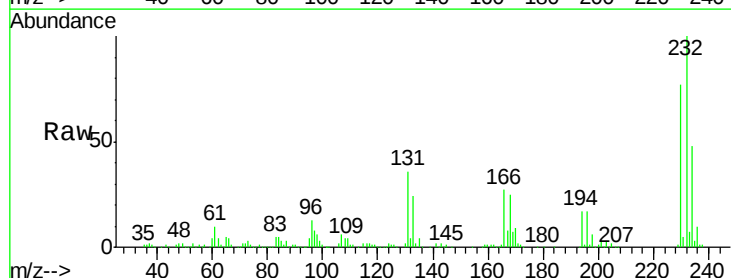
Ion Ratio Lower Upper

232 100

131 46.9 47.0 70.6#

130 2.0 2.0 3.0#

166 30.9 30.5 45.7

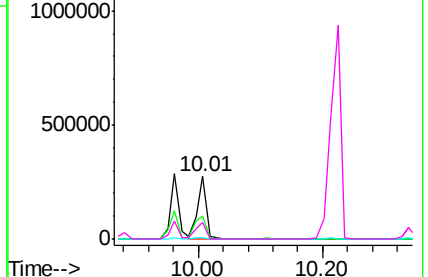
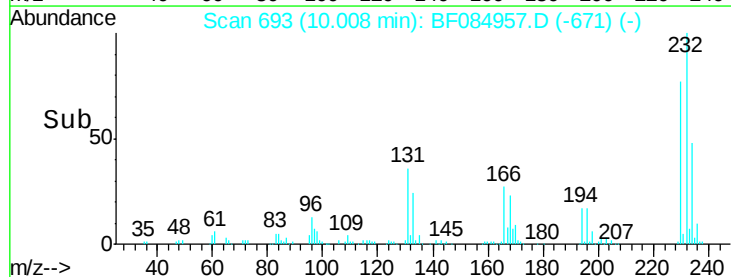


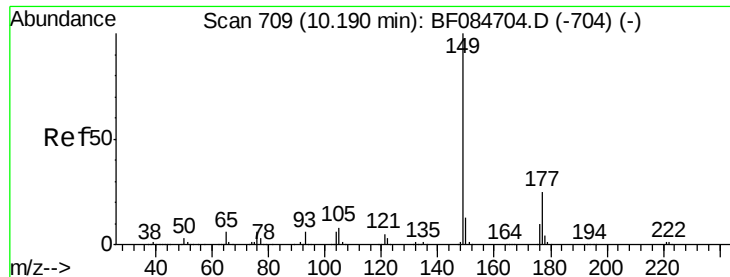
Abundance Ion 232.00 (231.70 to 232.70): E

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: 44.77 ng

RT: 10.11 min Scan# 702

Delta R.T. -0.06 min

Lab File: BF084957.D

Acq: 9 Feb 2016 17:38

Instrument :

BNA_F

ClientSampleId :

S4-B005(28-30)MS

Tot Ion:149 Resp: 1023088

Ion Ratio Lower Upper

149 100

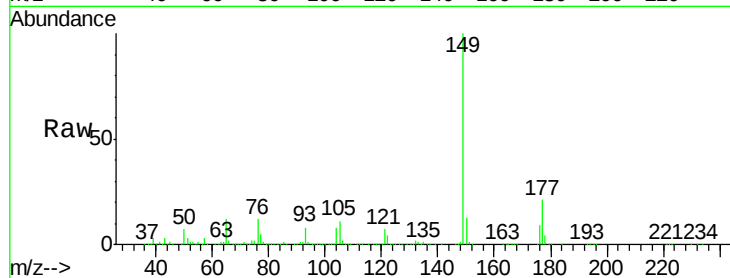
177 21.5 17.3 25.9

150 12.9 9.8 14.8

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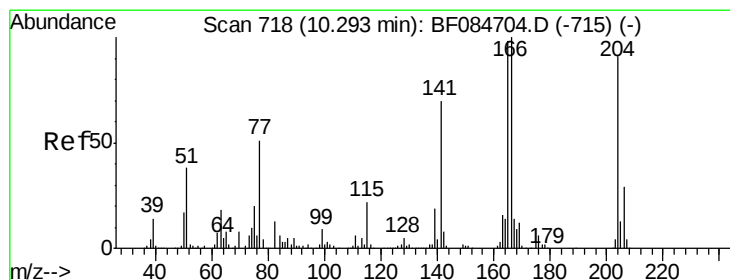
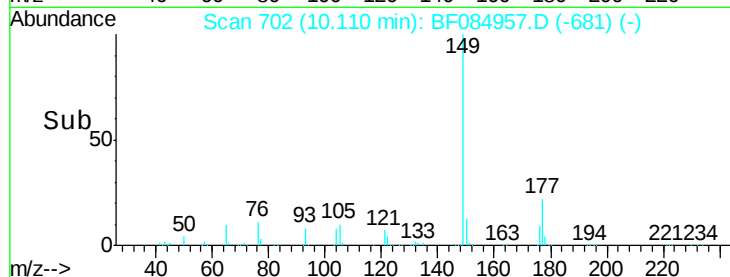
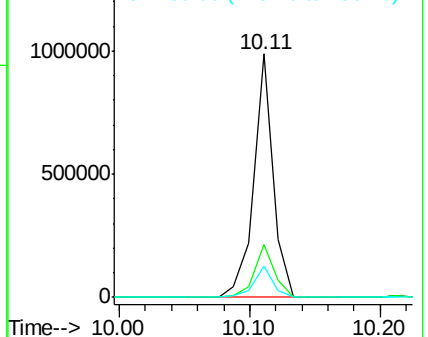
2/10/2016 1:45:00 PM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#60

4-Chlorophenyl-phenylether

Concen: 47.51 ng

RT: 10.21 min Scan# 711

Delta R.T. -0.06 min

Lab File: BF084957.D

Acq: 9 Feb 2016 17:38

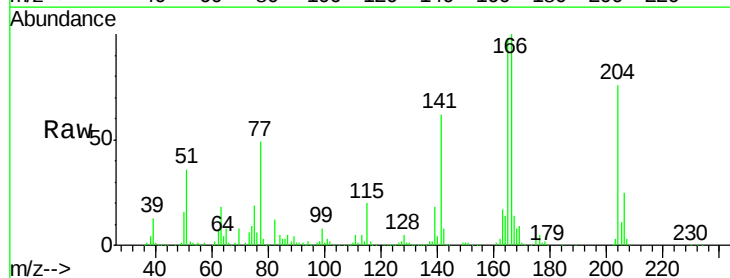
Tgt Ion:204 Resp: 402987

Ion Ratio Lower Upper

204 100

206 32.7 25.7 38.5

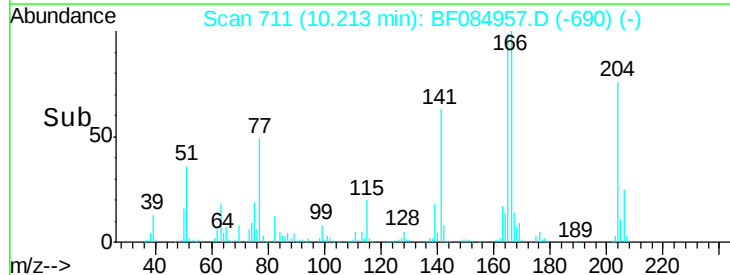
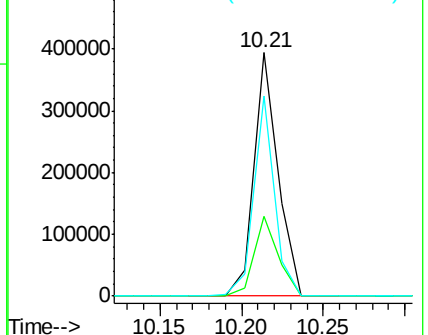
141 82.2 55.1 82.7

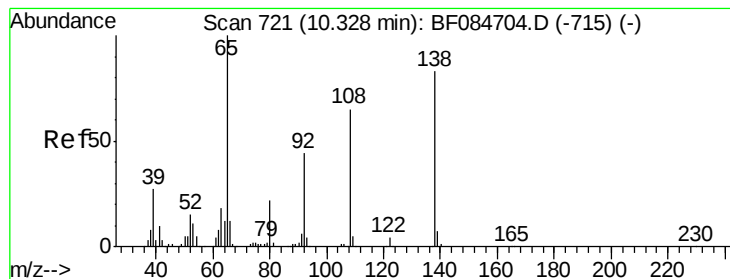


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E





#61

4-Nitroaniline

Concen: 46.27 ng

RT: 10.26 min Scan# 715

Delta R.T. -0.05 min

Lab File: BF084957.D

Acq: 9 Feb 2016 17:38

Instrument :

BNA_F

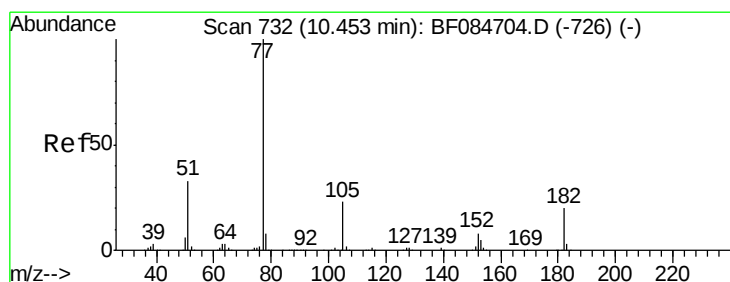
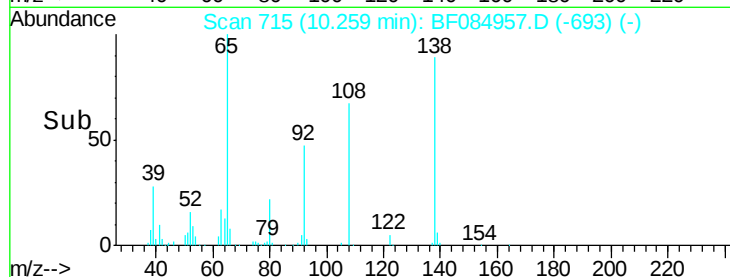
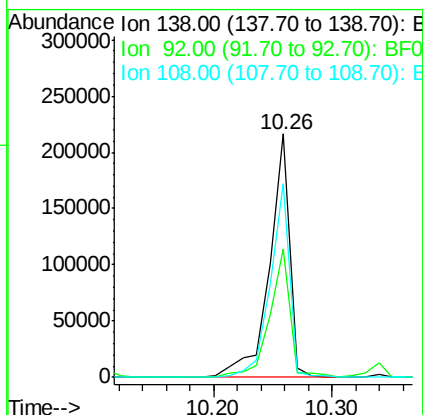
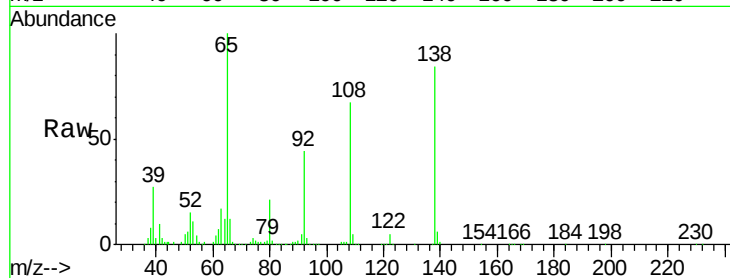
ClientSampleId :

S4-B005(28-30)MS

Tot Ion:	138	Resp:	259034
Ion Ratio	Lower	Upper	
138	100		
92	52.6	32.6	72.6
108	79.7	68.6	108.6

Manual Integrations
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#62

Azobenzene

Concen: 49.62 ng

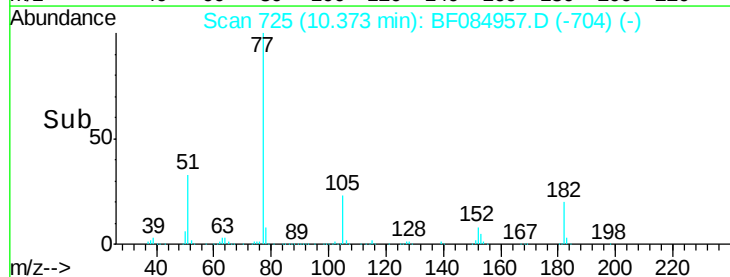
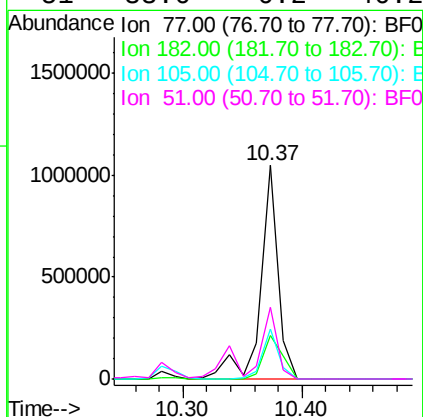
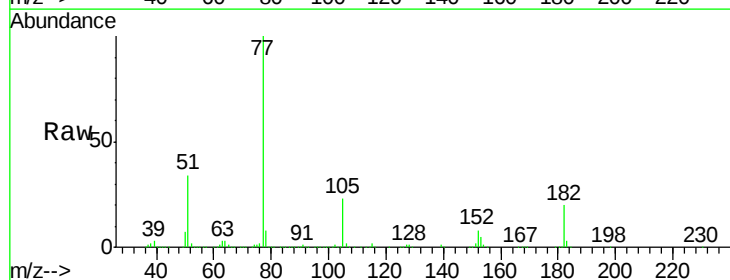
RT: 10.37 min Scan# 725

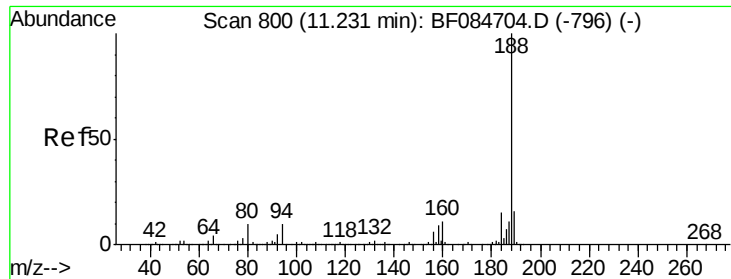
Delta R.T. -0.06 min

Lab File: BF084957.D

Acq: 9 Feb 2016 17:38

Tgt Ion:	77	Resp:	1090216
Ion Ratio	Lower	Upper	
77	100		
182	20.3	8.3	48.3
105	23.2	4.6	44.6
51	33.6	6.2	46.2





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.15 min Scan# 793

Delta R.T. -0.06 min

Lab File: BF084957.D

Acq: 9 Feb 2016 17:38

Instrument :

BNA_F

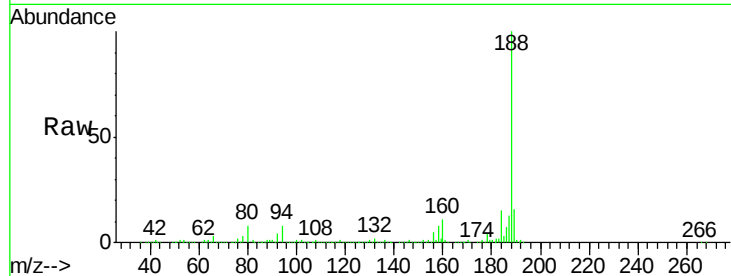
ClientSampleId :

S4-B005(28-30)MS

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	7.8	9.0	13.4#
80	8.1	9.6	14.4#

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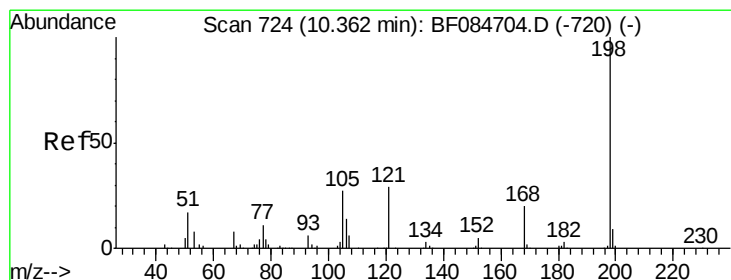
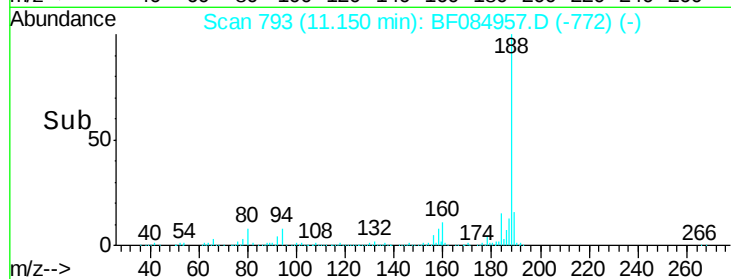
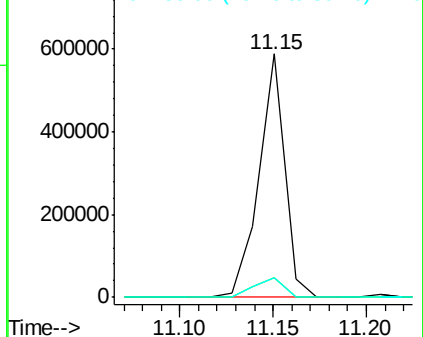
Sohil
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#64

4,6-Dinitro-2-methylphenol

Concen: 49.86 ng

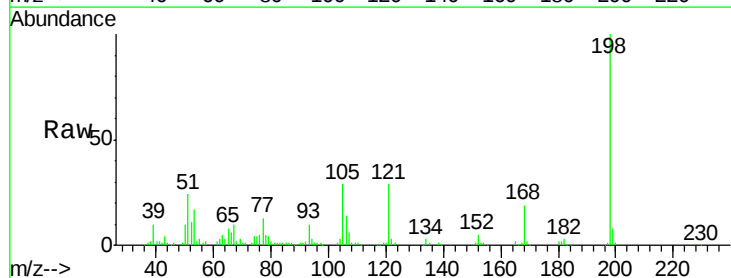
RT: 10.29 min Scan# 718

Delta R.T. -0.05 min

Lab File: BF084957.D

Acq: 9 Feb 2016 17:38

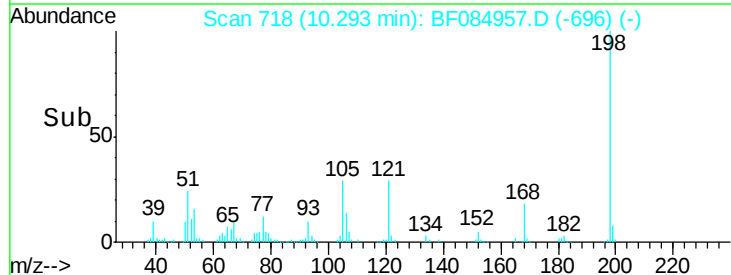
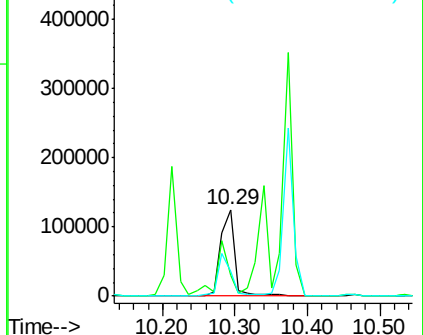
Tgt Ion	Ratio	Resp Lower	Upper
198	100		
51	23.8	18.9	58.9
105	28.9	26.4	66.4

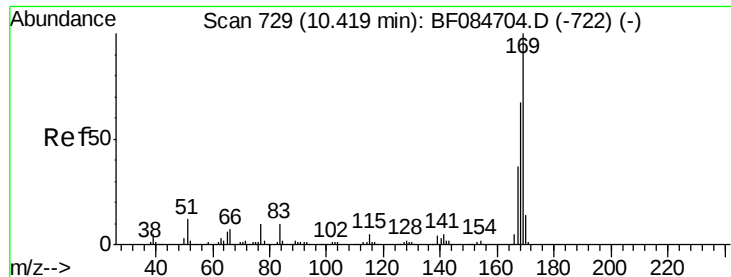


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 47.82 ng

RT: 10.34 min Scan# 722

Delta R.T. -0.06 min

Lab File: BF084957.D

Acq: 9 Feb 2016 17:38

Instrument :

BNA_F

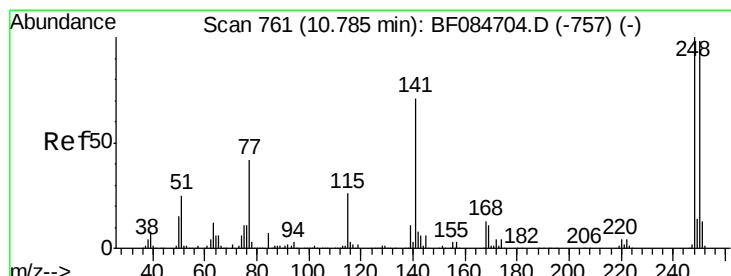
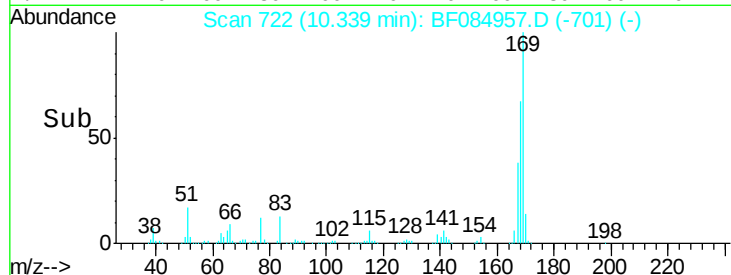
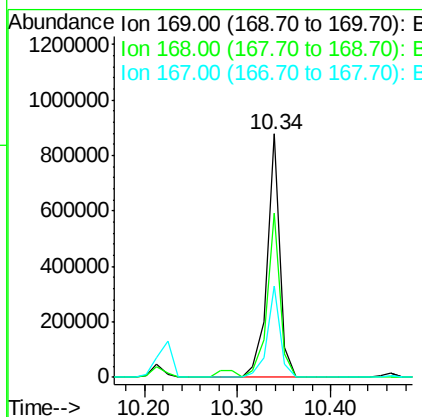
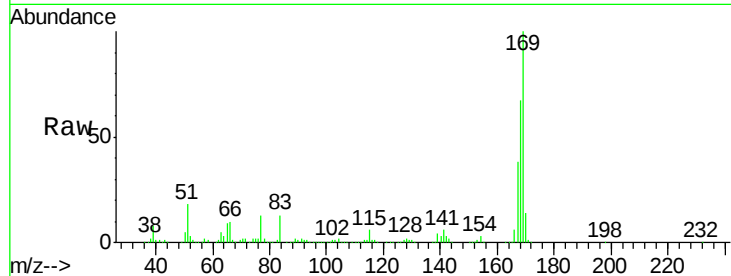
ClientSampleId :

S4-B005(28-30)MS

Tot Ion:	169	Resp:	847927
Ion Ratio	Lower	Upper	
169	100		
168	67.5	55.1	82.7
167	37.6	30.0	45.0

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#66

4-Bromophenyl-phenylether

Concen: 51.14 ng

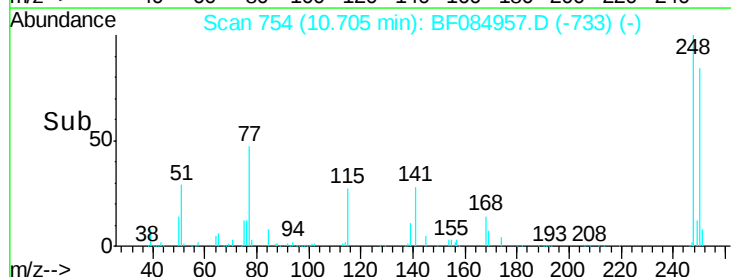
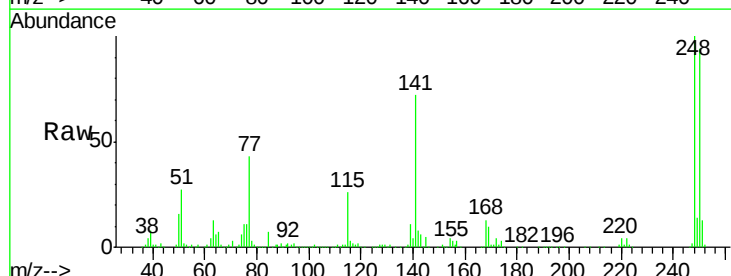
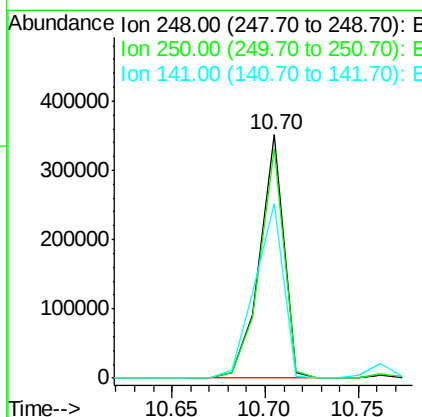
RT: 10.70 min Scan# 754

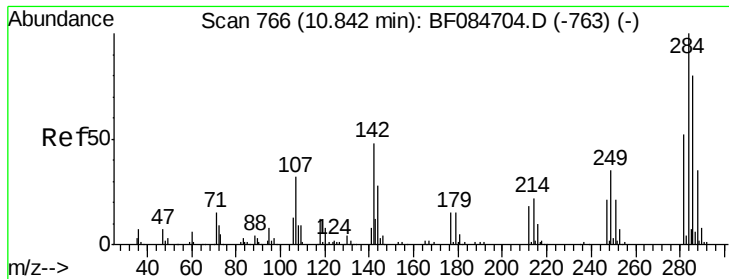
Delta R.T. -0.06 min

Lab File: BF084957.D

Acq: 9 Feb 2016 17:38

Tgt Ion:	248	Resp:	315464
Ion Ratio	Lower	Upper	
248	100		
250	94.5	78.4	117.6
141	71.5	44.0	66.0#





#67

Hexachlorobenzene

Concen: 45.50 ng

RT: 10.76 min Scan# 759

Delta R.T. -0.06 min

Lab File: BF084957.D

Acq: 9 Feb 2016 17:38

Instrument :

BNA_F

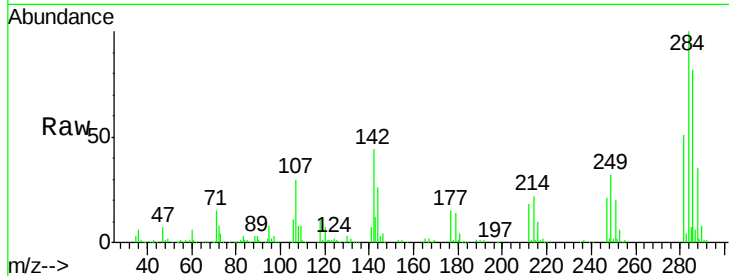
ClientSampleId :

S4-B005(28-30)MS

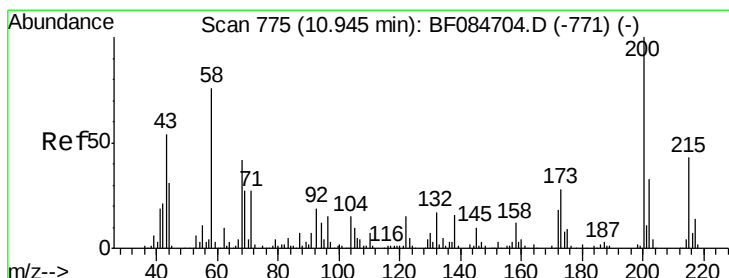
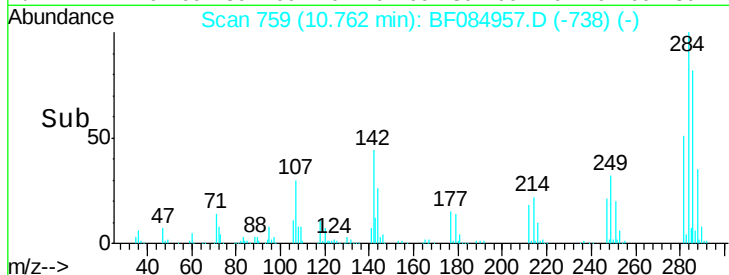
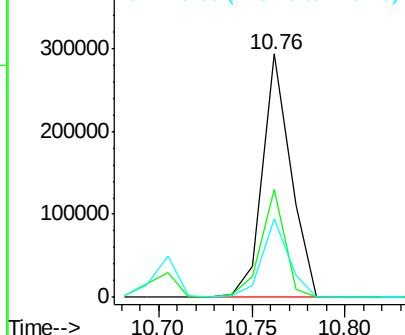
Tot Ion:	284	Resp:	305807
Ion Ratio		Lower	Upper
284	100		
142	44.3	22.2	33.4#
249	32.5	24.6	37.0

Manual Integrations
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Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E



#68

Atrazine

Concen: 54.99 ng

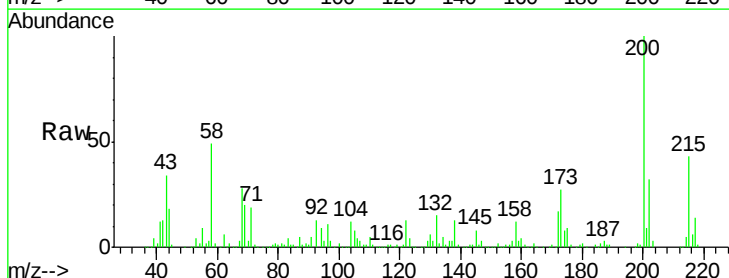
RT: 10.88 min Scan# 769

Delta R.T. -0.05 min

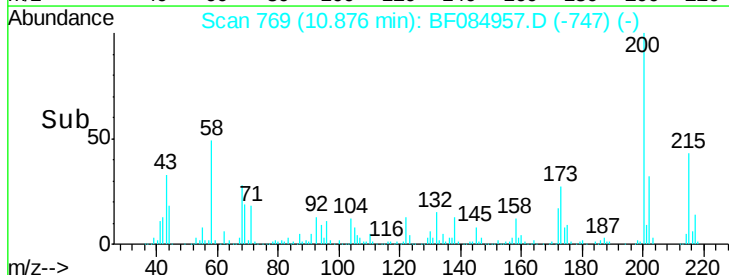
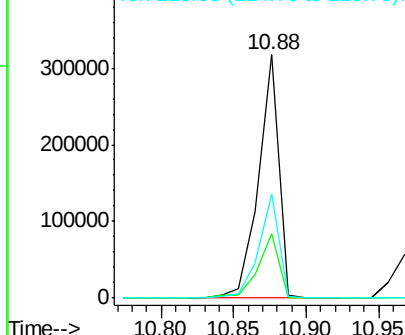
Lab File: BF084957.D

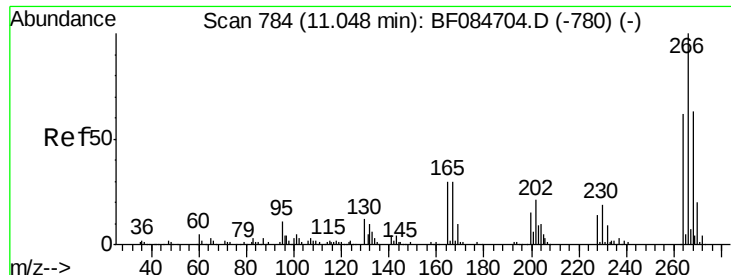
Acq: 9 Feb 2016 17:38

Tgt Ion:	200	Resp:	307936
Ion Ratio		Lower	Upper
200	100		
173	26.5	9.5	49.5
215	42.6	23.8	63.8



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E





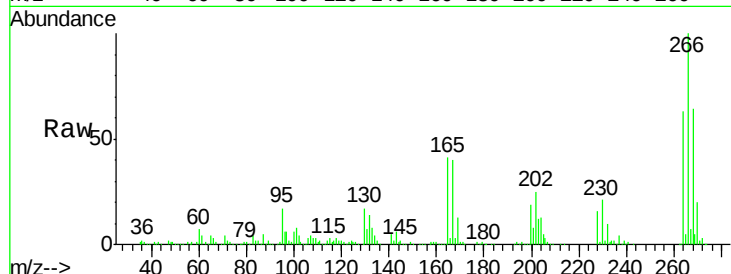
#69
 Pentachlorophenol
 Concen: 91.48 ng
 RT: 10.97 min Scan# 777
 Delta R.T. -0.05 min
 Lab File: BF084957.D
 Acq: 9 Feb 2016 17:38

Instrument :
 BNA_F
 ClientSampleId :
 S4-B005(28-30)MS

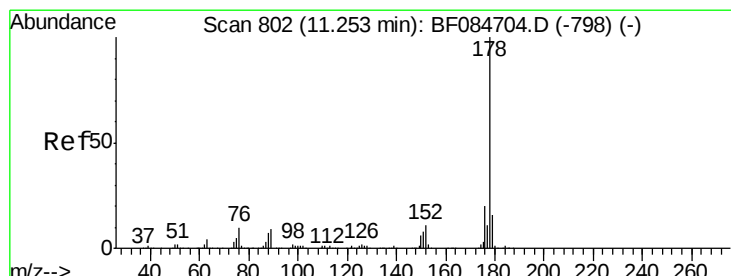
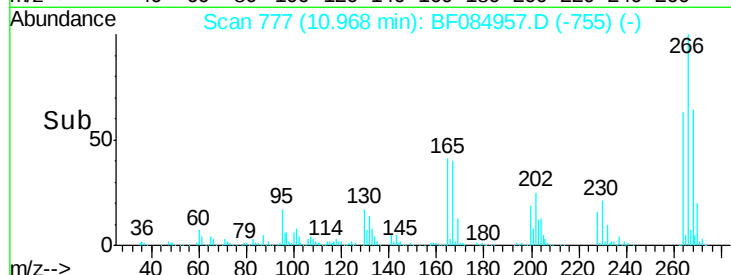
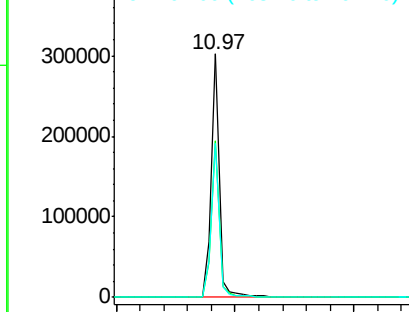
Tot Ion	Ratio	Resp	Lower	Upper
266	100	288945		
268	64.2	52.4	78.6	
264	63.1	50.2	75.2	

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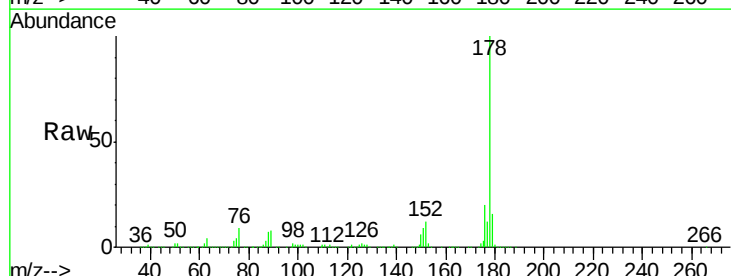


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

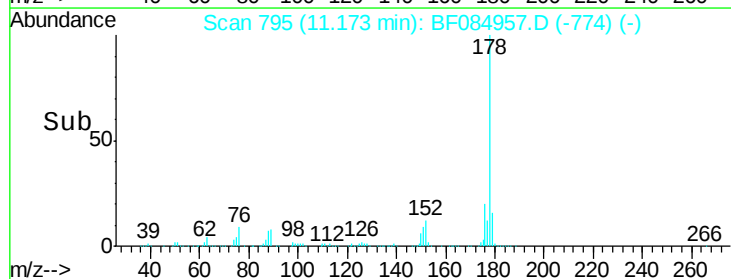
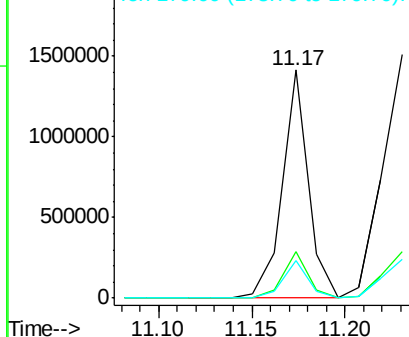


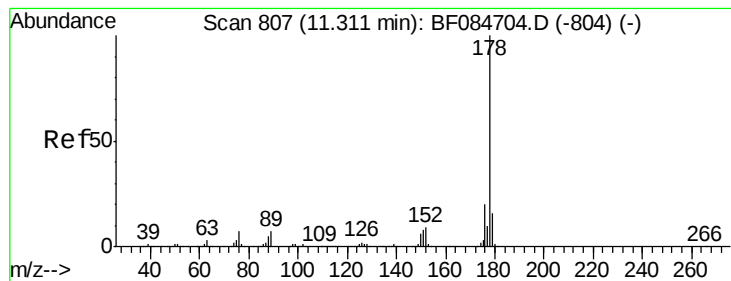
#70
 Phenanthrene
 Concen: 44.20 ng
 RT: 11.17 min Scan# 795
 Delta R.T. -0.06 min
 Lab File: BF084957.D
 Acq: 9 Feb 2016 17:38

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	1369036		
176	20.4	15.3	22.9	
179	16.3	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





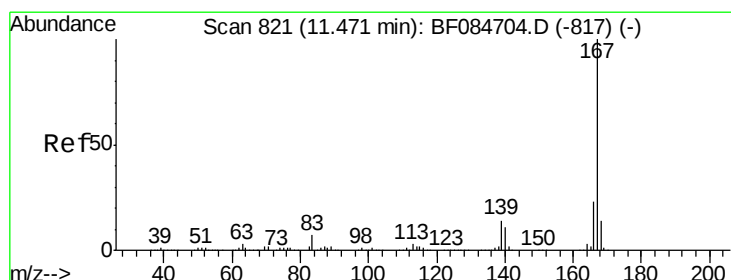
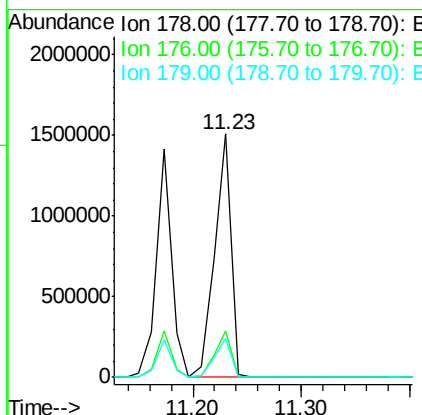
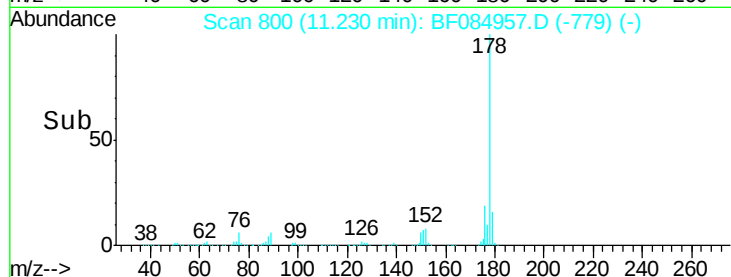
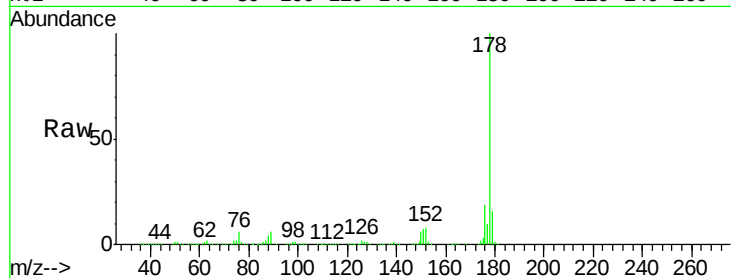
#71
 Anthracene
 Concen: 51.19 ng
 RT: 11.23 min Scan# 800
 Delta R.T. -0.06 min
 Lab File: BF084957.D
 Acq: 9 Feb 2016 17:38

Instrument :
 BNA_F
 ClientSampleId :
 S4-B005(28-30)MS

Tot Ion:178 Resp: 1597562
 Ion Ratio Lower Upper
 178 100
 176 19.3 15.4 23.0
 179 16.1 12.5 18.7

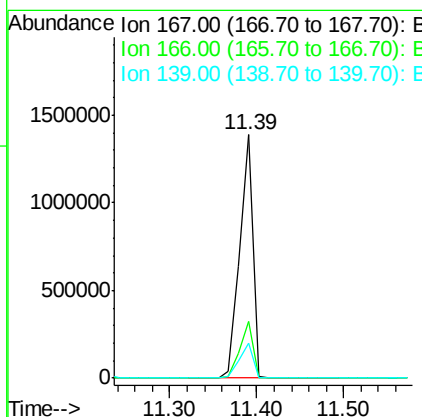
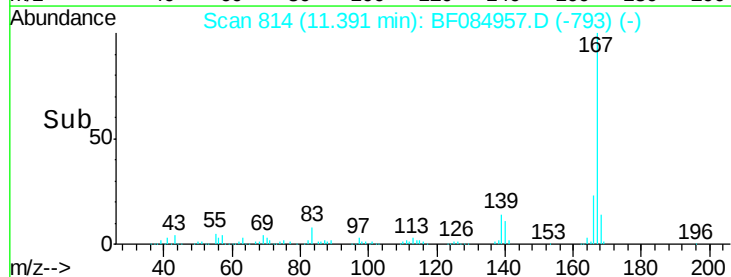
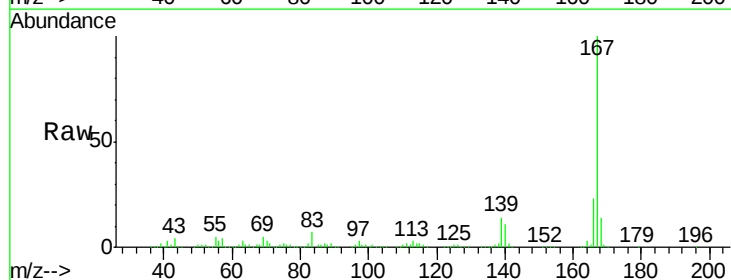
Manual Integrations
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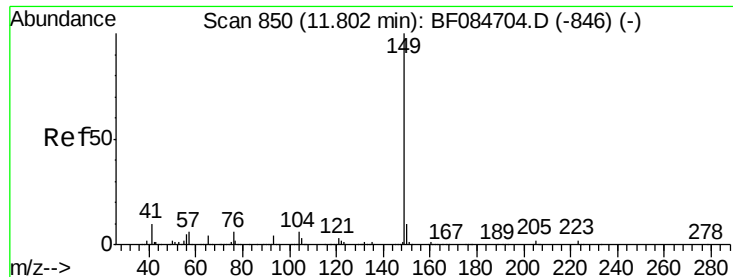
Sohil
 2/10/2016 1:45:00 PM



#72
 Carbazole
 Concen: 52.74 ng
 RT: 11.39 min Scan# 814
 Delta R.T. -0.06 min
 Lab File: BF084957.D
 Acq: 9 Feb 2016 17:38

Tgt Ion:167 Resp: 1435417
 Ion Ratio Lower Upper
 167 100
 166 23.3 17.6 26.4
 139 14.3 11.8 17.8





#73

Di-n-butylphthalate

Concen: 44.69 ng

RT: 11.72 min Scan# 843

Delta R.T. -0.06 min

Lab File: BF084957.D

Acq: 9 Feb 2016 17:38

Instrument :

BNA_F

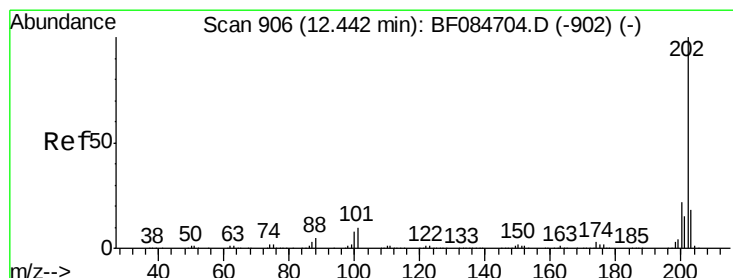
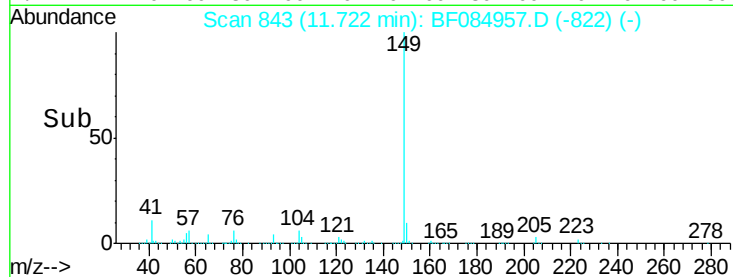
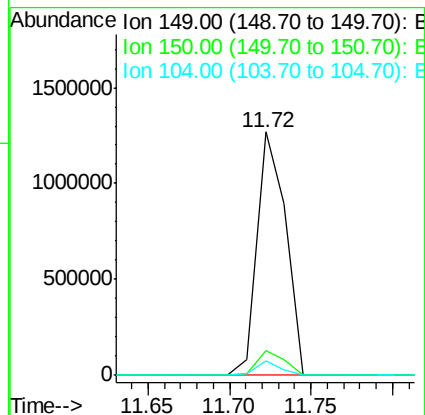
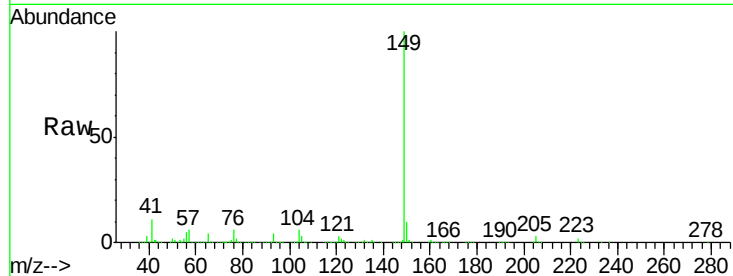
ClientSampleId :

S4-B005(28-30)MS

Tot Ion	Ratio	Lower	Upper
149	100		
150	9.9	7.1	10.7
104	6.0	3.2	4.8

Manual Integrations
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2/10/2016 1:45:00 PM



#74

Fluoranthene

Concen: 49.60 ng

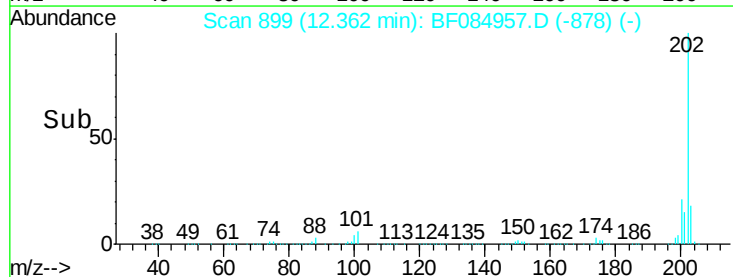
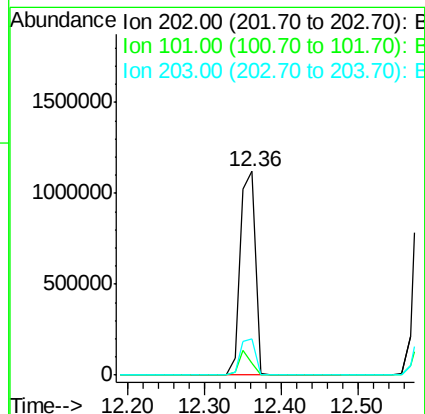
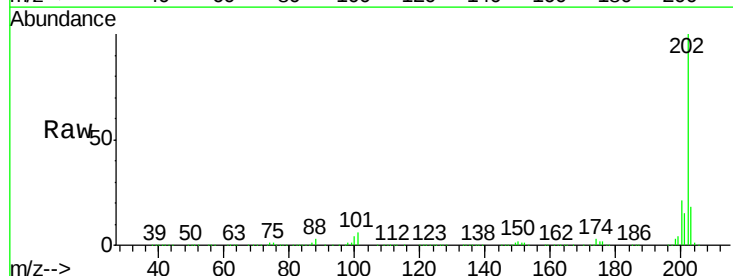
RT: 12.36 min Scan# 899

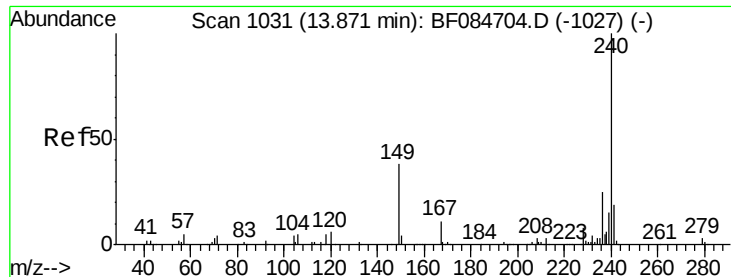
Delta R.T. -0.06 min

Lab File: BF084957.D

Acq: 9 Feb 2016 17:38

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.0	0.0	32.8
203	17.6	0.0	37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.78 min Scan# 1023

Delta R.T. -0.06 min

Lab File: BF084957.D

Acq: 9 Feb 2016 17:38

Instrument :

BNA_F

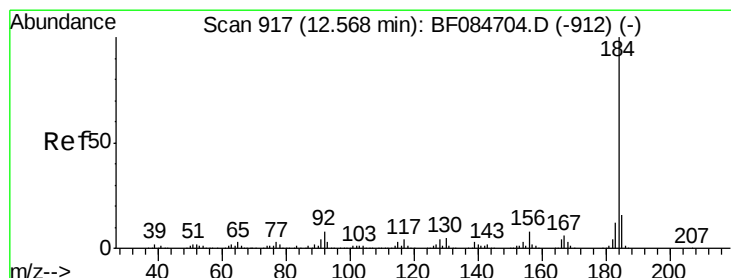
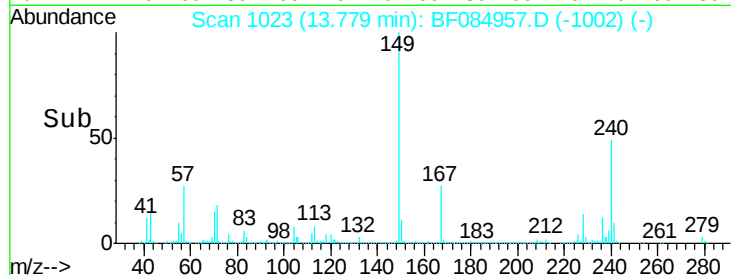
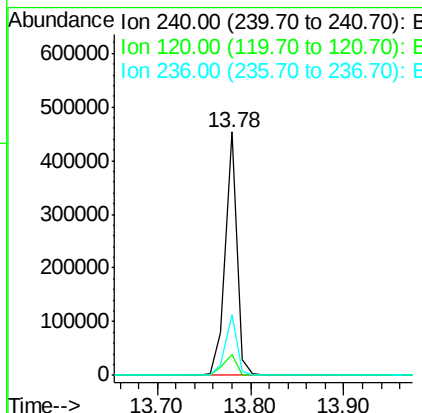
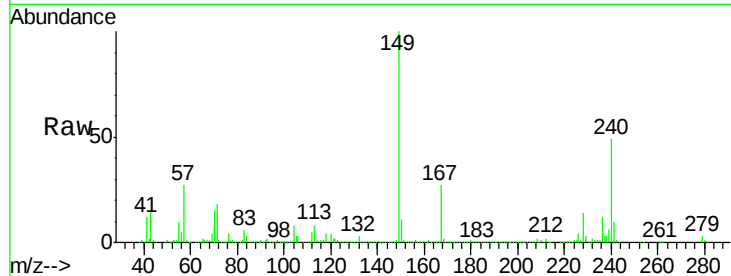
ClientSampleId :

S4-B005(28-30)MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
240	100				
120	8.5	9.5	14.3		
236	25.1	20.6	31.0		

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#76

Benzidine

Concen: 38.96 ng

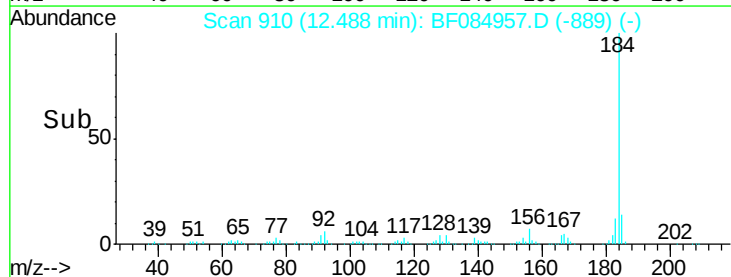
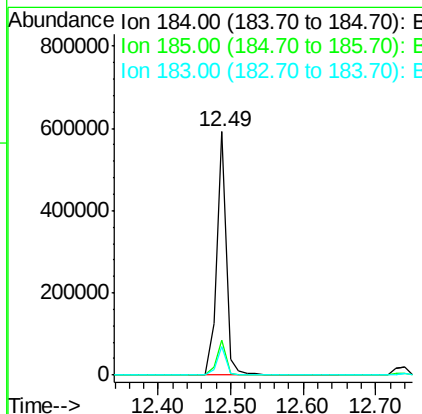
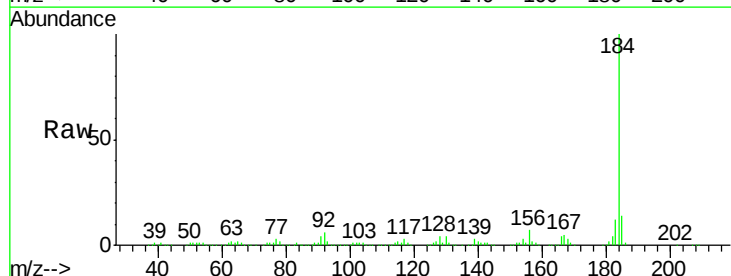
RT: 12.49 min Scan# 910

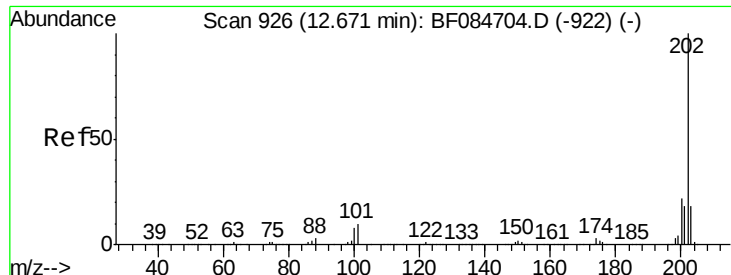
Delta R.T. -0.06 min

Lab File: BF084957.D

Acq: 9 Feb 2016 17:38

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
184	100				
185	14.2	12.2	18.2		
183	11.5	9.8	14.8		





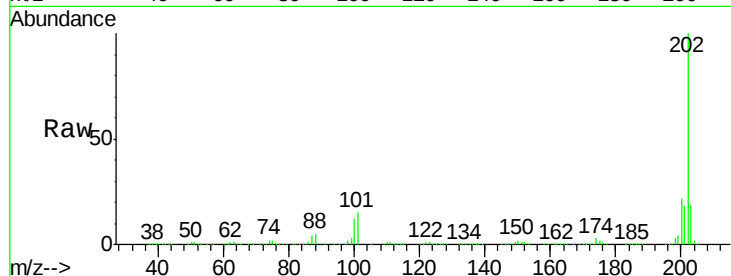
#77
Pvrene
Concen: 46.11 ng
RT: 12.58 min Scan# 918
Delta R.T. -0.06 min
Lab File: BF084957.D
Acq: 9 Feb 2016 17:38

Instrument :
BNA_F
ClientSampleId :
S4-B005(28-30)MS

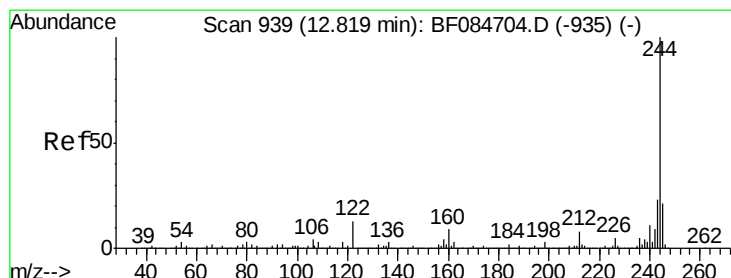
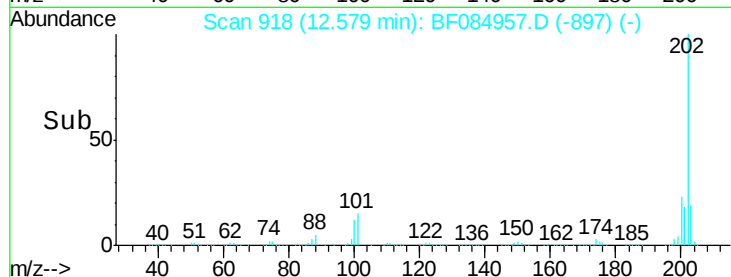
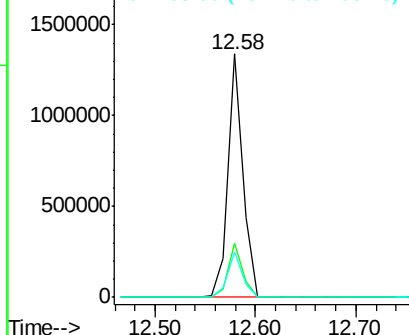
Tot Ion	Ratio	Lower	Upper
202	100		
200	22.5	17.2	25.8
203	18.8	14.3	21.5

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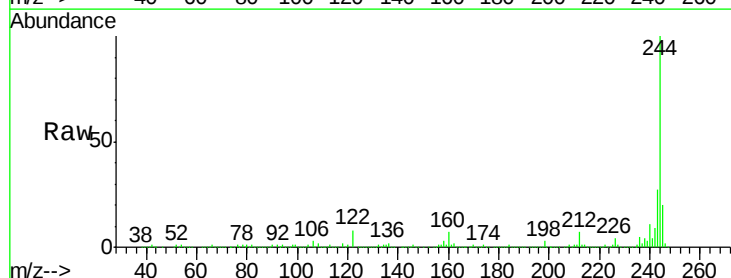


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

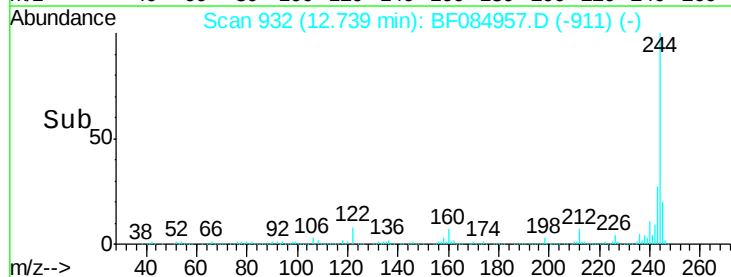
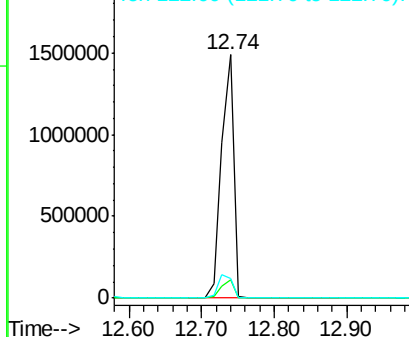


#78
Terphenyl-d14
Concen: 101.59 ng
RT: 12.74 min Scan# 932
Delta R.T. -0.06 min
Lab File: BF084957.D
Acq: 9 Feb 2016 17:38

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.7	8.5
122	8.1	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





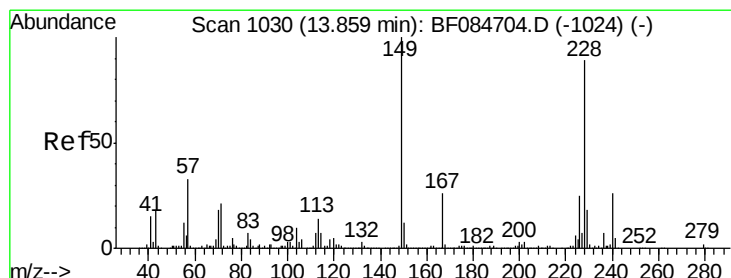
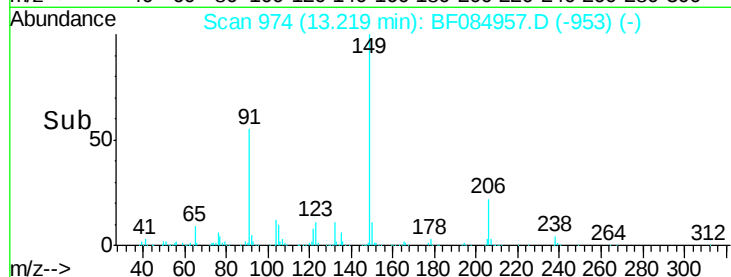
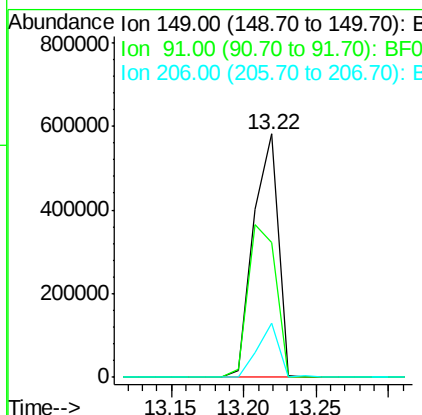
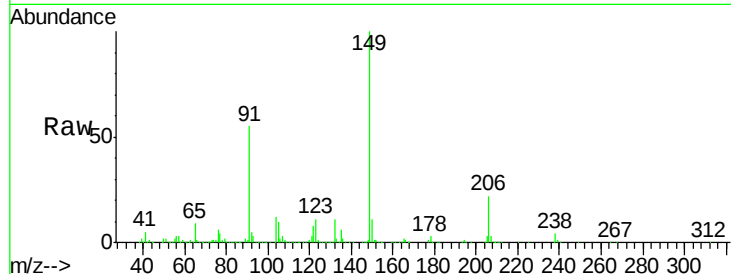
#79
Butylbenzylphthalate
Concen: 50.64 ng
RT: 13.22 min Scan# 974
Delta R.T. -0.06 min
Lab File: BF084957.D
Acq: 9 Feb 2016 17:38

Instrument :
BNA_F
ClientSampleId :
S4-B005(28-30)MS

Tot Ion	Ratio	Resp	Lower	Upper
149	100	688790		
91	55.5	57.6	86.4#	
206	22.3	13.2	19.8#	

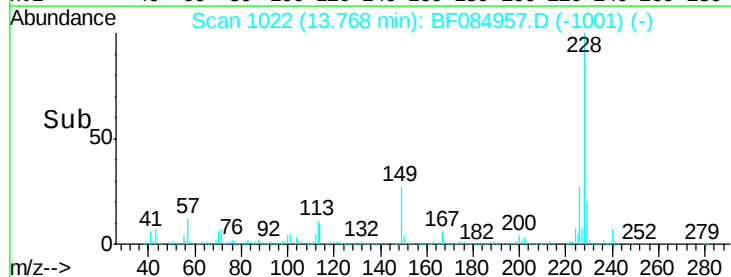
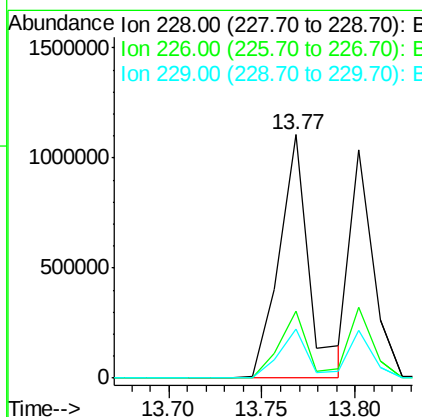
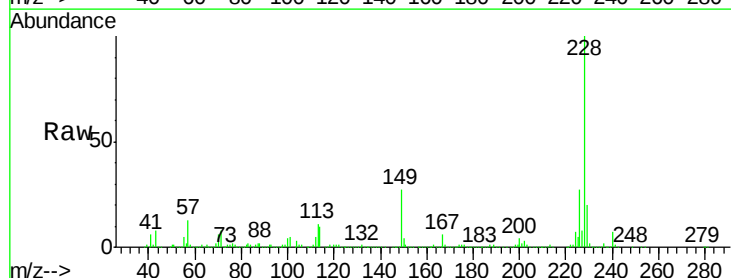
Manual Integrations
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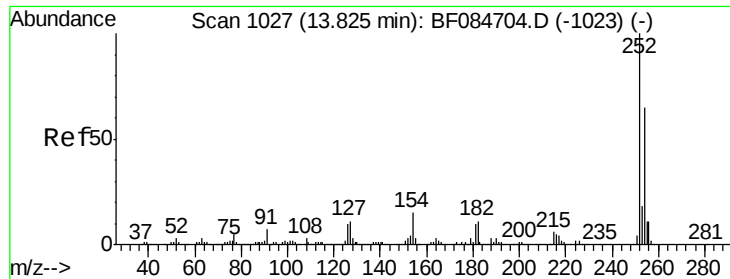
Sohil
2/10/2016 1:45:00 PM



#80
Benzo(a)anthracene
Concen: 50.70 ng
RT: 13.77 min Scan# 1022
Delta R.T. -0.06 min
Lab File: BF084957.D
Acq: 9 Feb 2016 17:38

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	1232404		
226	27.4	21.8	32.6	
229	20.2	15.8	23.8	





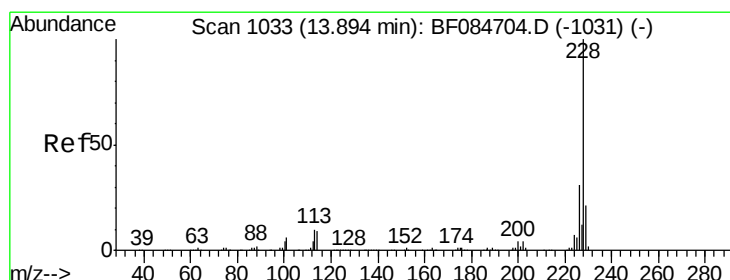
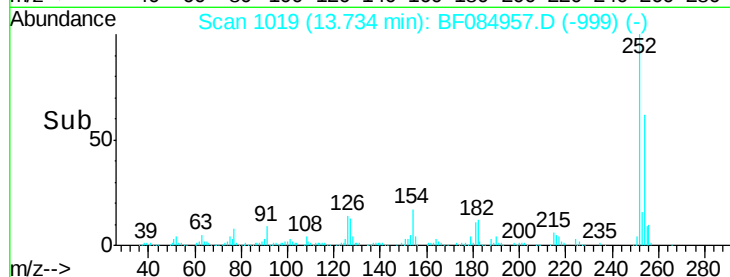
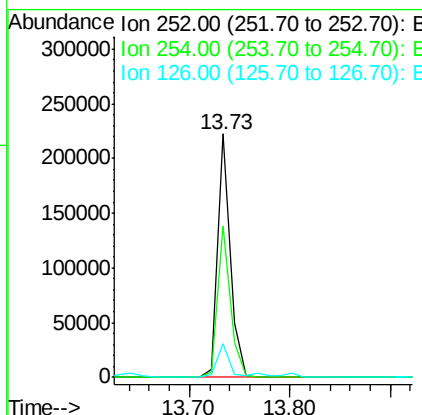
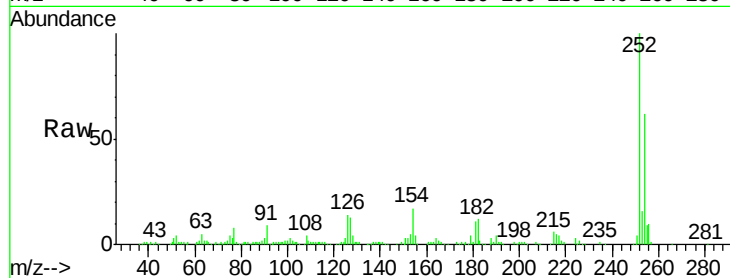
#81
 3,3'-Dichlorobenzidine
 Concen: 22.58 ng
 RT: 13.73 min Scan# 1019
 Delta R.T. -0.07 min
 Lab File: BF084957.D
 Acq: 9 Feb 2016 17:38

Instrument :
 BNA_F
 ClientSampleId :
 S4-B005(28-30)MS

Tot Ion	Ratio	Resp Lower	Upper
252	100		
254	62.2	53.5	80.3
126	13.8	4.9	7.3

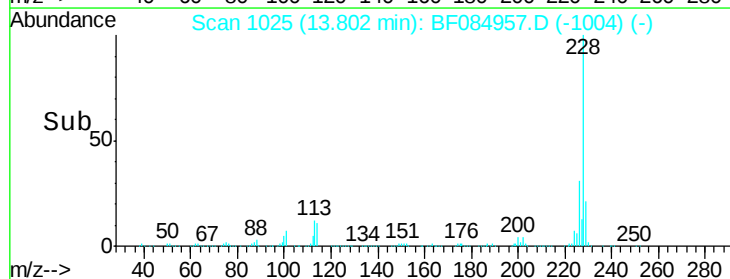
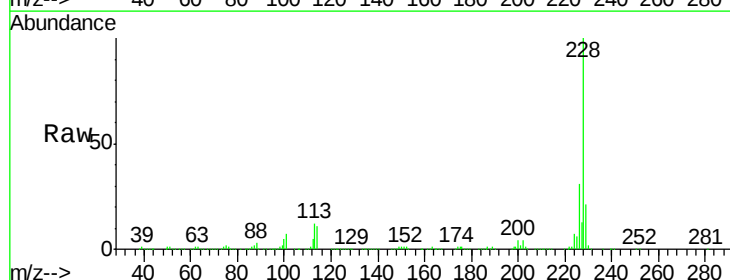
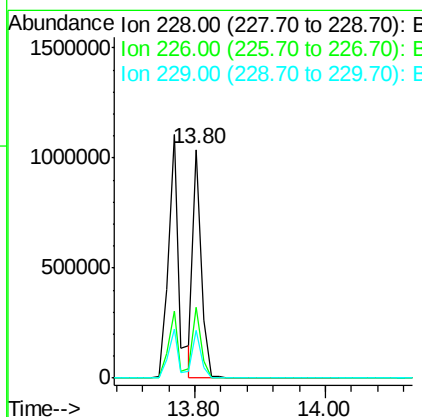
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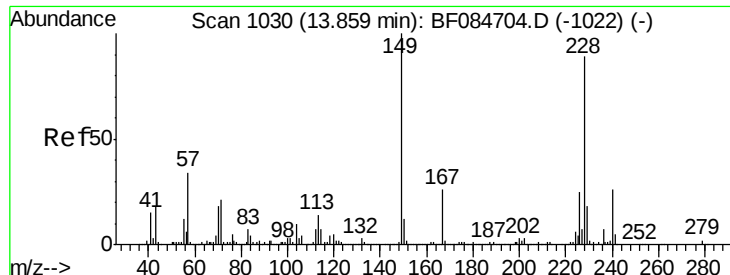
Sohil
 2/10/2016 1:45:00 PM



#82
 Chrysene
 Concen: 38.94 ng
 RT: 13.80 min Scan# 1025
 Delta R.T. -0.06 min
 Lab File: BF084957.D
 Acq: 9 Feb 2016 17:38

Tgt Ion	Ratio	Resp Lower	Upper
228	100		
226	31.1	24.3	36.5
229	20.8	16.1	24.1





#83

Bis(2-ethylhexyl)phthalate

Concen: 51.99 ng

RT: 13.78 min Scan# 1023

Delta R.T. -0.06 min

Lab File: BF084957.D

Acq: 9 Feb 2016 17:38

Instrument :

BNA_F

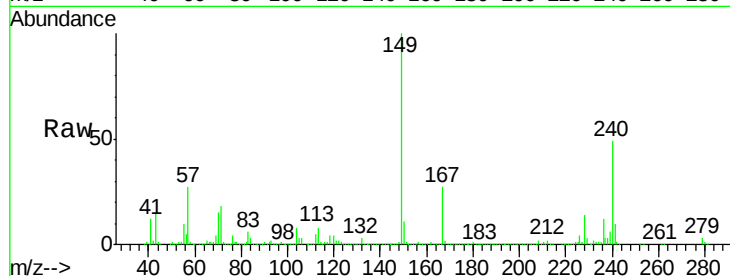
ClientSampleId :

S4-B005(28-30)MS

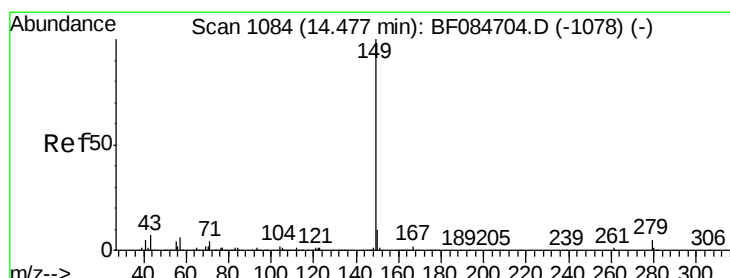
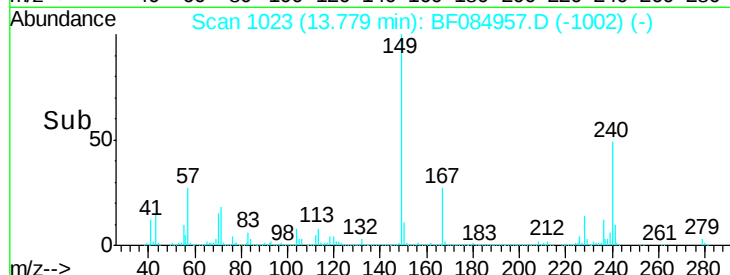
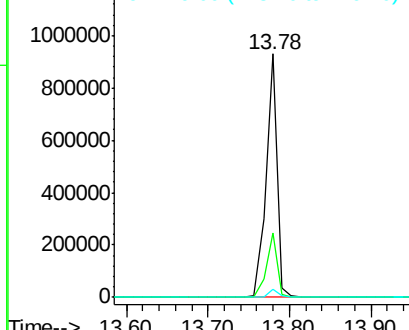
Tot Ion:	149	Resp:	880103
Ion Ratio		Lower	Upper
149	100		
167	26.6	19.7	29.5
279	3.2	1.8	2.6#

Manual Integrations
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Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#84

Di-n-octyl phthalate

Concen: 45.36 ng

RT: 14.39 min Scan# 1076

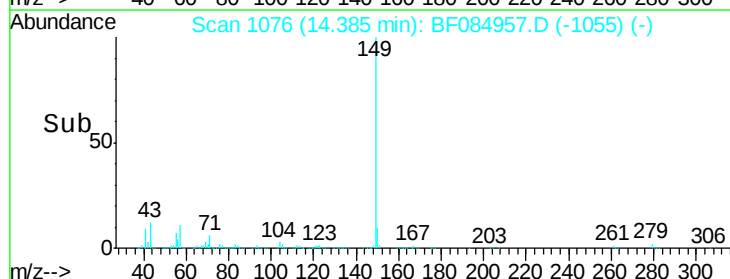
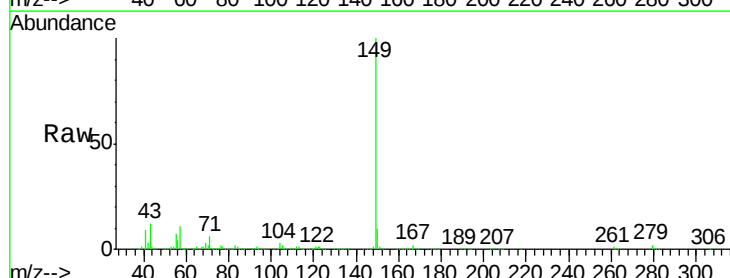
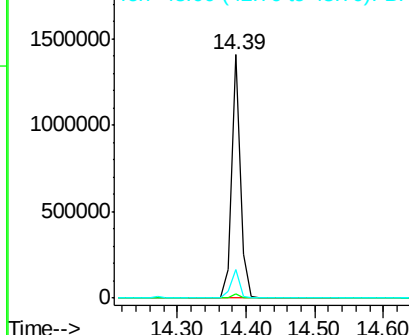
Delta R.T. -0.06 min

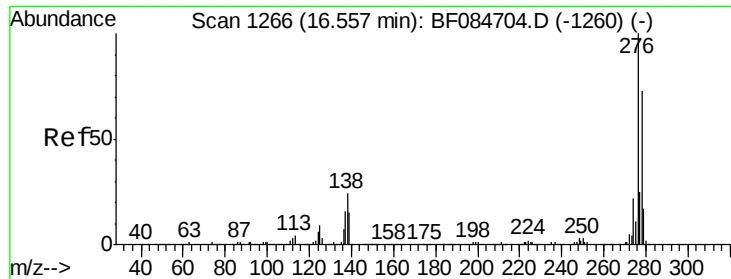
Lab File: BF084957.D

Acq: 9 Feb 2016 17:38

Tgt Ion:	149	Resp:	1266616
Ion Ratio		Lower	Upper
149	100		
167	1.7	1.2	1.8
43	11.9	5.6	8.4#

Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF0





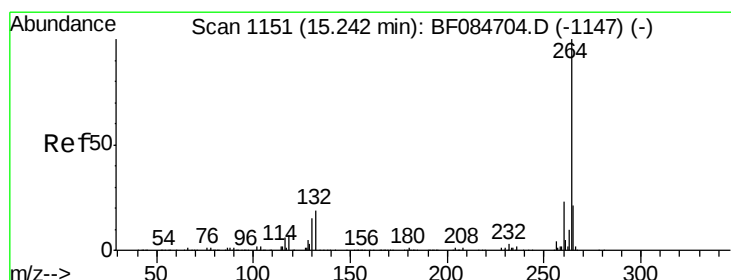
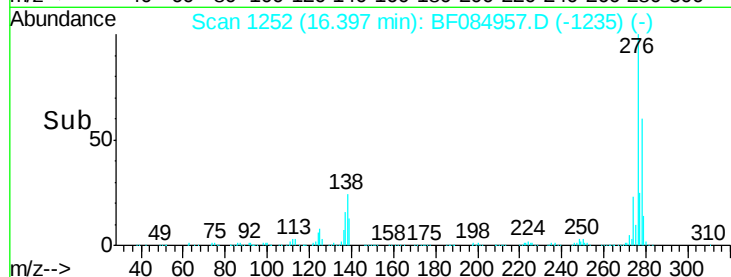
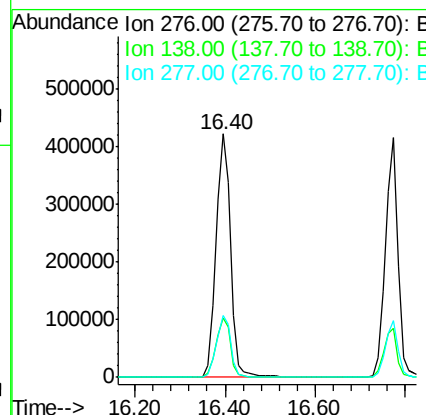
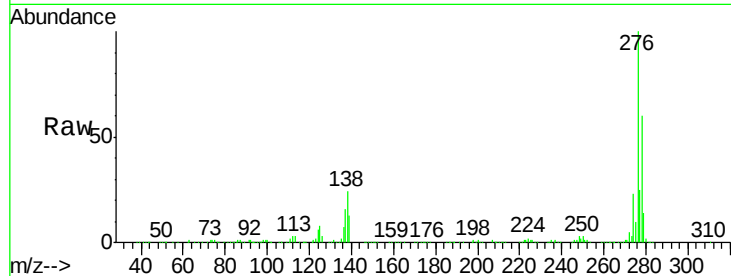
#85
Indeno(1,2,3-cd)pyrene
Concen: 51.25 ng
RT: 16.40 min Scan# 1252
Delta R.T. -0.10 min
Lab File: BF084957.D
Acq: 9 Feb 2016 17:38

Instrument :
BNA_F
ClientSampleId :
S4-B005(28-30)MS

Tot Ion	Ratio	Lower	Upper
276	100		
138	24.3	20.6	30.8
277	25.2	20.1	30.1

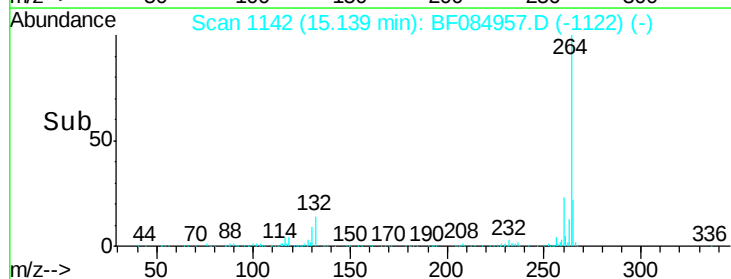
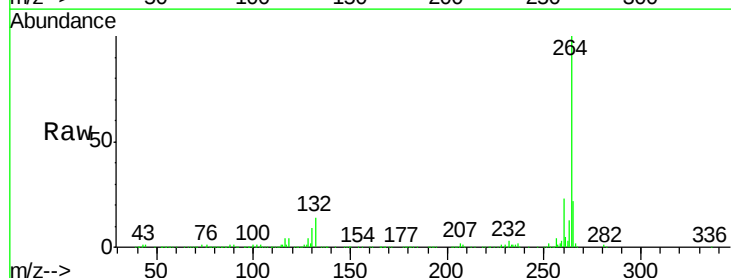
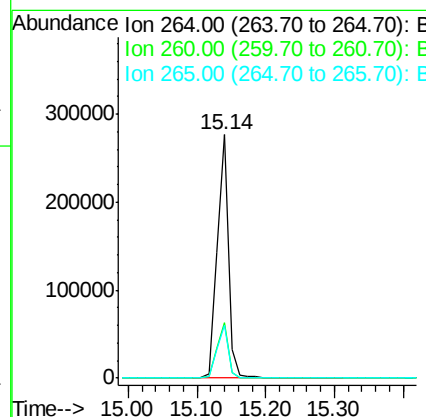
Manual Integrations
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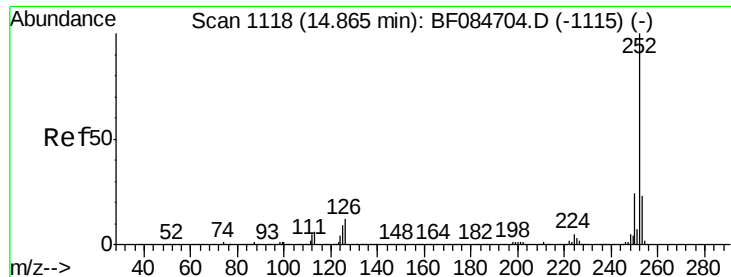
Sohil
2/10/2016 1:45:00 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.14 min Scan# 1142
Delta R.T. -0.07 min
Lab File: BF084957.D
Acq: 9 Feb 2016 17:38

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.4	29.2
265	21.5	17.8	26.6





#87

Benzo(b)fluoranthene

Concen: 53.98 ng m

RT: 14.77 min Scan# 1110

Delta R.T. -0.06 min

Lab File: BF084957.D

Acq: 9 Feb 2016 17:38

Instrument :

BNA_F

ClientSampleId :

S4-B005(28-30)MS

Tot Ion:252 Resp: 1164828

Ion Ratio Lower Upper

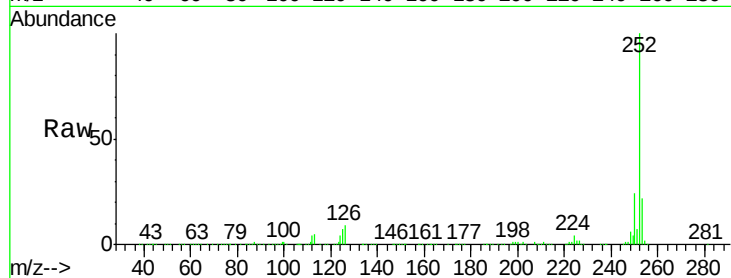
252 100

253 22.1 17.3 25.9

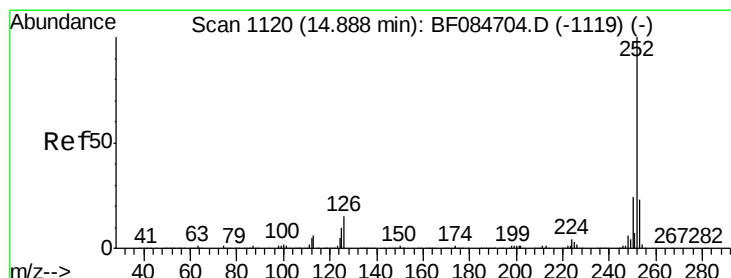
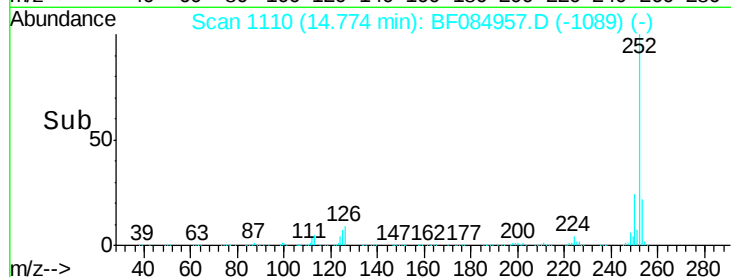
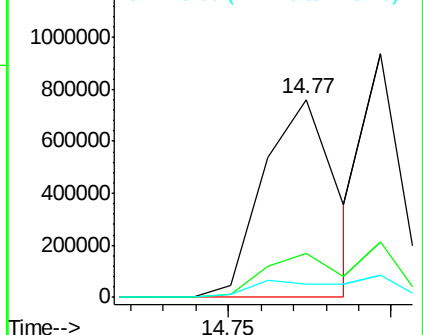
125 6.6 6.5 9.7

Manual Integrations
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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: 40.95 ng m

RT: 14.80 min Scan# 1112

Delta R.T. -0.06 min

Lab File: BF084957.D

Acq: 9 Feb 2016 17:38

Tgt Ion:252 Resp: 730730

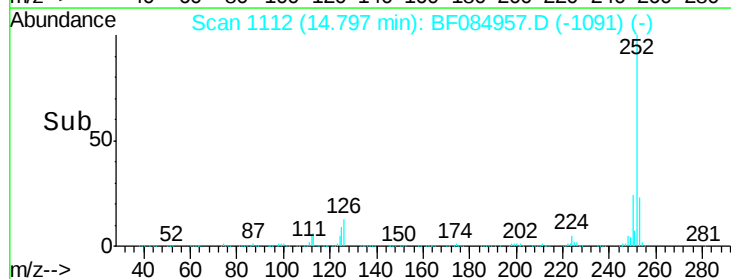
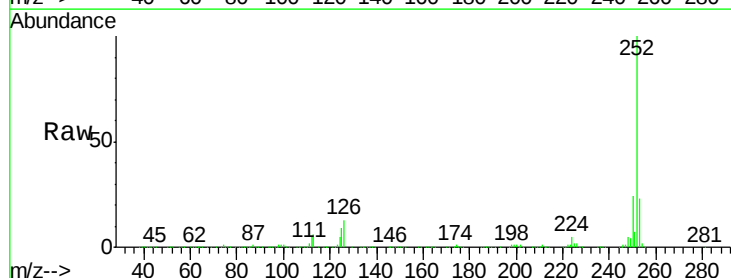
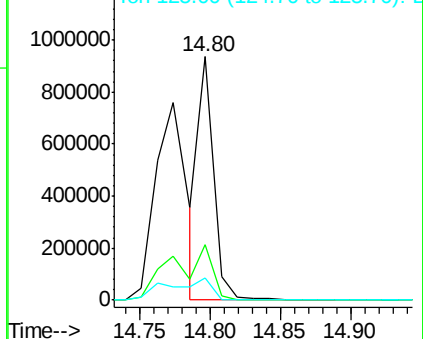
Ion Ratio Lower Upper

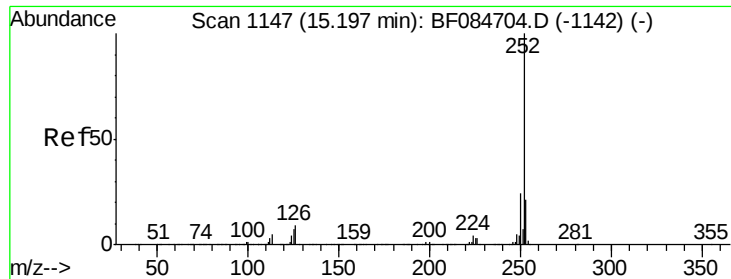
252 100

253 22.8 18.1 27.1

125 9.0 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





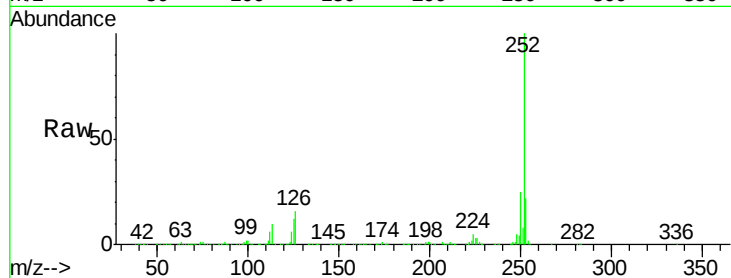
#89
Benzo(a)pyrene
Concen: 47.28 ng
RT: 15.08 min Scan# 1137
Delta R.T. -0.07 min
Lab File: BF084957.D
Acq: 9 Feb 2016 17:38

Instrument :
BNA_F
ClientSampleId :
S4-B005(28-30)MS

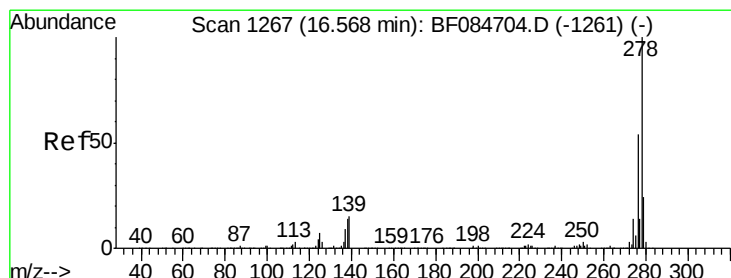
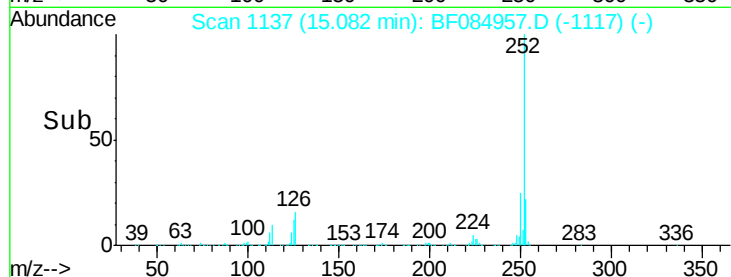
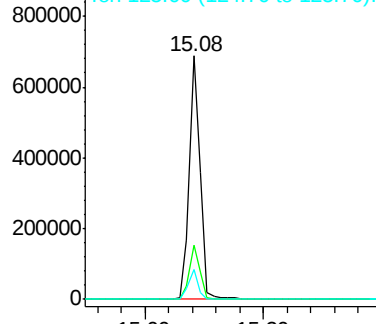
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.3	25.9
125	12.2	7.0	10.4

Manual Integrations
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2/10/2016 1:45:00 PM

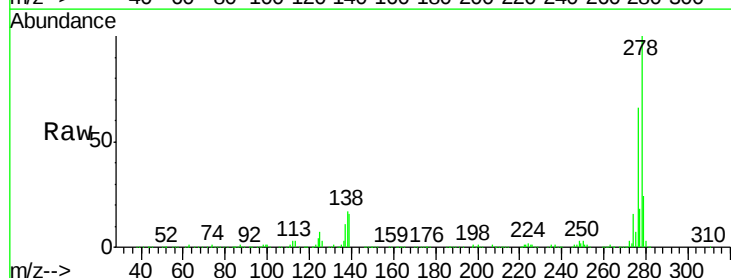


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

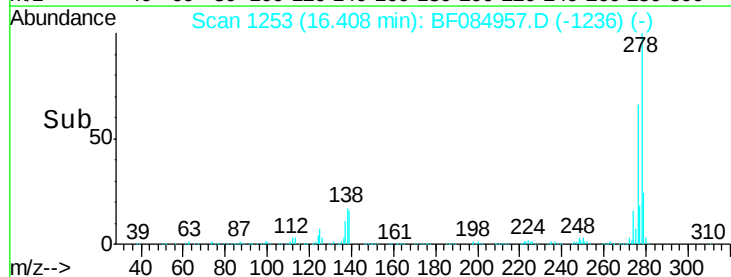
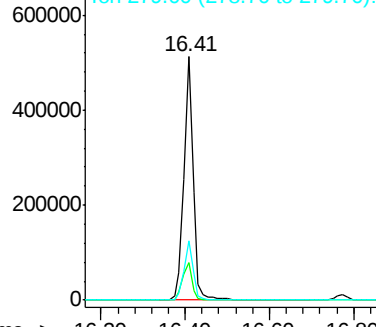


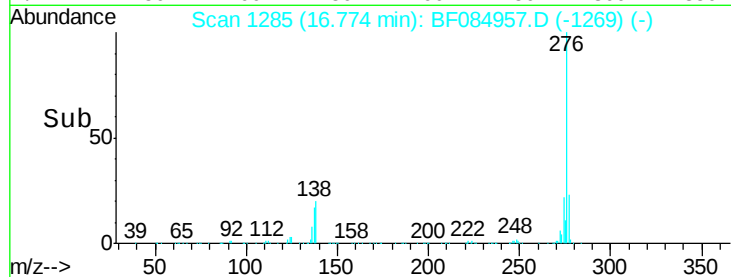
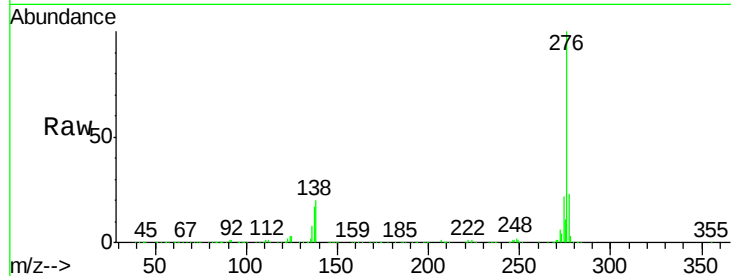
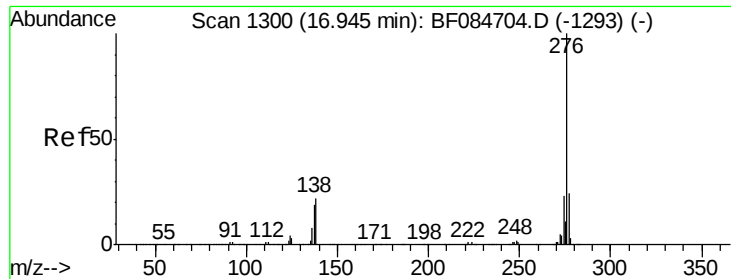
#90
Dibenzo(a,h)anthracene
Concen: 50.79 ng
RT: 16.41 min Scan# 1253
Delta R.T. -0.10 min
Lab File: BF084957.D
Acq: 9 Feb 2016 17:38

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.6	15.0	22.4
279	24.3	18.9	28.3



Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E





#91

Benzo(a,h,i)perylene

Concen: 52.00 ng

RT: 16.77 min Scan# 1285

Delta R.T. -0.11 min

Lab File: BF084957.D

Acq: 9 Feb 2016 17:38

Tot Ion:	276	Resp:	810837
Ion Ratio		Lower	Upper
276	100		
277	23.4	18.8	28.2
138	20.5	17.8	26.6

Instrument :

BNA_F

ClientSampleId :

S4-B005(28-30)MS

Manual Integrations
APPROVED

Sohil
2/10/2016 1:45:00 PM

