

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020316\
 Data File : BF084815.D
 Acq On : 4 Feb 2016 5:32
 Operator : SJ/IZ
 Sample : H1312-09MSD
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B005(34-36)MSD

Quant Time: Feb 04 06:07:23 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	6.68	152	183541	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	747237	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	351988	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	633237	20.00	ng	0.00
75) Chrysene-d12	13.84	240	404643	20.00	ng	0.00
86) Perylene-d12	15.21	264	357098	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.29	112	1587003	134.68	ng	0.01
7) Phenol-d6	6.35	99	1953358	133.72	ng	0.01
23) Nitrobenzene-d5	7.26	82	1216097	91.68	ng	0.00
41) 2,4,6-Tribromophenol	10.52	330	506388	137.92	ng	0.00
44) 2-Fluorobiphenyl	9.06	172	1920569	96.09	ng	0.00
78) Terphenyl-d14	12.80	244	1630066	91.29	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.26	88	189188	36.65	ng	# 74
3) Pyridine	2.92	79	589899	43.86	ng	# 76
4) n-Nitrosodimethylamine	2.89	42	328452	47.22	ng	84
6) Aniline	6.36	93	580965	32.50	ng	# 1
8) 2-Chlorophenol	6.48	128	590789	44.29	ng	92
9) Benzaldehyde	6.22	77	232490	26.95	ng	93
10) Phenol	6.36	94	853350	52.14	ng	97
11) bis(2-Chloroethyl)ether	6.43	93	558444	43.76	ng	# 81
12) 1,3-Dichlorobenzene	6.62	146	595278	42.24	ng	# 93
13) 1,4-Dichlorobenzene	6.70	146	628201	44.59	ng	95
14) 1,2-Dichlorobenzene	6.86	146	552503	42.11	ng	93
15) Benzyl Alcohol	6.84	79	487779	48.36	ng	91
16) 2,2'-oxybis(1-Chloropropan	6.98	45	883659	41.16	ng	92
17) 2-Methylphenol	6.97	107	493240	46.76	ng	# 91
18) Hexachloroethane	7.20	117	233633	43.07	ng	95
19) n-Nitroso-di-n-propylamine	7.12	70	428265	46.77	ng	# 74
20) 3+4-Methylphenols	7.13	107	634946	48.49	ng	88
22) Acetophenone	7.10	105	882160	44.79	ng	99
24) Nitrobenzene	7.28	77	591356	41.63	ng	94
25) Isophorone	7.53	82	1193470	46.27	ng	98
26) 2-Nitrophenol	7.60	139	328803	46.93	ng	# 87
27) 2,4-Dimethylphenol	7.65	122	612638	50.27	ng	88
28) bis(2-Chloroethoxy)methane	7.74	93	745927	48.75	ng	98
29) 2,4-Dichlorophenol	7.85	162	528134	50.65	ng	94
30) 1,2,4-Trichlorobenzene	7.92	180	503933	42.79	ng	98
31) Naphthalene	8.00	128	1595213	42.56	ng	99
32) Benzoic acid	7.73	122	23788	3.05	ng	93
33) 4-Chloroaniline	8.05	127	320725	20.69	ng	97
34) Hexachlorobutadiene	8.12	225	300643	44.27	ng	99
35) Caprolactam	8.44	113	88042	27.40	ng	# 55
36) 4-Chloro-3-methylphenol	8.56	107	554671	46.63	ng	98
37) 2-Methylnaphthalene	8.69	142	1209618	51.56	ng	98
39) 1,2,4,5-Tetrachlorobenzene	8.85	216	442359	39.57	ng	99
40) Hexachlorocyclopentadiene	8.84	237	375346	77.17	ng	96

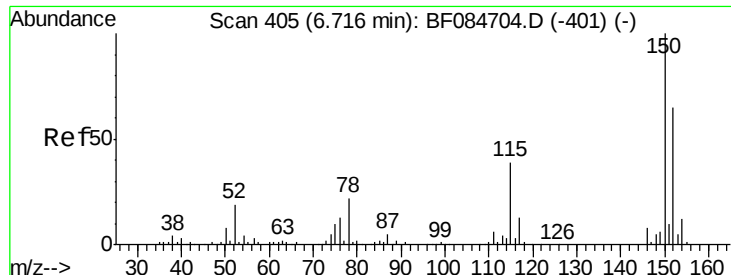
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) 2,4,6-Trichlorophenol	8.98	196	369629	51.32	ng	93
43) 2,4,5-Trichlorophenol	9.02	196	336950	46.05	ng	97
45) 1,1'-Biphenyl	9.16	154	1365227	43.42	ng	95
46) 2-Chloronaphthalene	9.17	162	979439	42.30	ng	97
47) 2-Nitroaniline	9.28	65	327343	44.65	ng	97
48) Acenaphthylene	9.60	152	1596655	45.44	ng	99
49) Dimethylphthalate	9.47	163	1530277	57.08	ng	# 90
50) 2,6-Dinitrotoluene	9.53	165	255303	43.59	ng	# 59
51) Acenaphthene	9.77	154	996198	43.58	ng	97
52) 3-Nitroaniline	9.69	138	165482	25.15	ng	99
53) 2,4-Dinitrophenol	9.80	184	66038	28.46	ng	91
54) Dibenzofuran	9.94	168	1385467	49.59	ng	99
55) 4-Nitrophenol	9.88	139	423924	87.65	ng	89
56) 2,4-Dinitrotoluene	9.93	165	292538	39.16	ng	# 67
57) Fluorene	10.28	166	1048614	44.95	ng	99
58) 2,3,4,6-Tetrachlorophenol	10.05	232	261765	46.99	ng	92
59) Diethylphthalate	10.17	149	1194489	45.63	ng	97
60) 4-Chlorophenyl-phenylether	10.27	204	450195	46.11	ng	95
61) 4-Nitroaniline	10.30	138	267026	41.64	ng	93
62) Azobenzene	10.43	77	1239397	49.24	ng	91
64) 4,6-Dinitro-2-methylphenol	10.34	198	159234	40.74	ng	97
65) n-Nitrosodiphenylamine	10.40	169	983418	48.91	ng	98
66) 4-Bromophenyl-phenylether	10.76	248	335714	48.00	ng	96
67) Hexachlorobenzene	10.82	284	327532	42.98	ng	# 86
68) Atrazine	10.93	200	338200	53.26	ng	93
69) Pentachlorophenol	11.02	266	365791	102.13	ng	99
70) Phenanthrene	11.23	178	1430318	40.72	ng	97
71) Anthracene	11.29	178	1656453	46.81	ng	99
72) Carbazole	11.45	167	1482833	48.05	ng	97
73) Di-n-butylphthalate	11.78	149	1567602	39.90	ng	# 96
74) Fluoranthene	12.42	202	1598518	44.97	ng	93
76) Benzidine	12.55	184	738011	55.94	ng	98
77) Pyrene	12.64	202	1483865	47.90	ng	99
79) Butylbenzylphthalate	13.28	149	717640	51.06	ng	# 82
80) Benzo(a)anthracene	13.83	228	1127826	44.91	ng	99
81) 3,3'-Dichlorobenzidine	13.79	252	241387	27.15	ng	# 96
82) Chrysene	13.86	228	993547	40.80	ng	99
83) Bis(2-ethylhexyl)phthalate	13.84	149	919853	52.59	ng	# 96
84) Di-n-octyl phthalate	14.44	149	1355936	46.99	ng	# 88
85) Indeno(1,2,3-cd)pyrene	16.50	276	1038203	54.16	ng	99
87) Benzo(b)fluoranthene	14.83	252	1917621	79.92	ng	# 97
88) Benzo(k)fluoranthene	14.83	252	1917621	96.66	ng	99
89) Benzo(a)pyrene	15.15	252	924404	45.22	ng	# 95
90) Dibenzo(a,h)anthracene	16.52	278	856610	49.78	ng	# 93
91) Benzo(g,h,i)perylene	16.89	276	884628	51.03	ng	99

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.68 min Scan# 402

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Instrument :

BNA_F

ClientSampleId :

SUP-B005(34-36)MSD

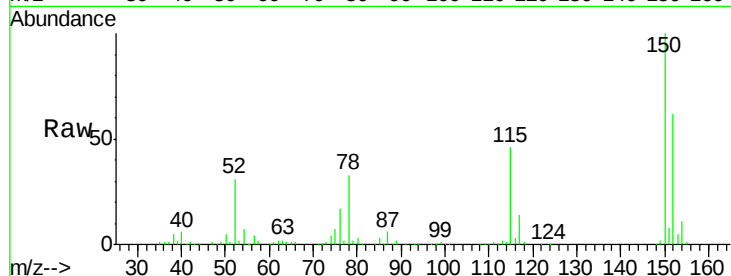
Tgt Ion:152 Resp: 183541

Ion Ratio Lower Upper

152 100

150 161.3 123.0 184.4

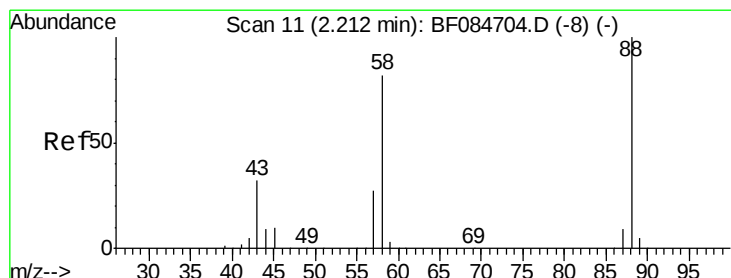
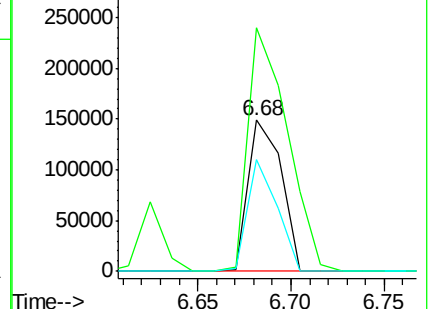
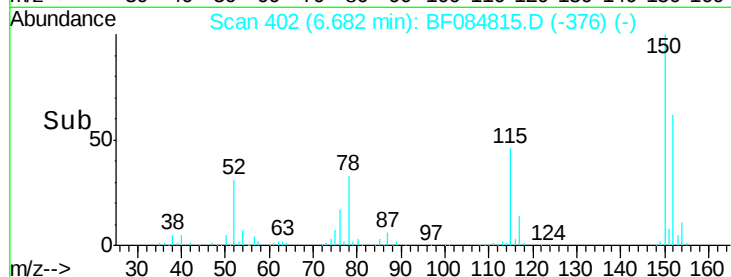
115 73.8 51.4 77.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 36.65 ng

RT: 2.26 min Scan# 15

Delta R.T. 0.08 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

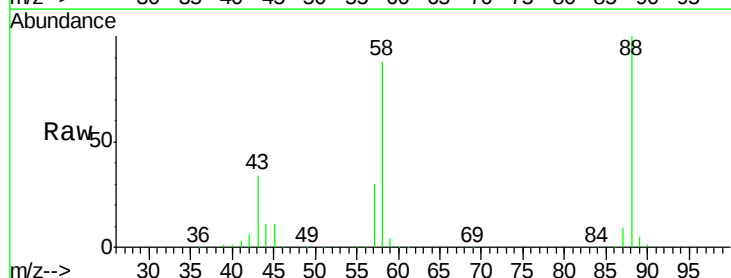
Tgt Ion: 88 Resp: 189188

Ion Ratio Lower Upper

88 100

58 86.6 51.2 76.8#

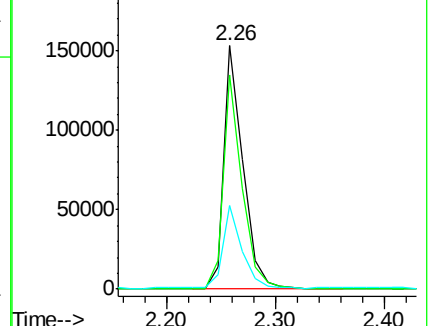
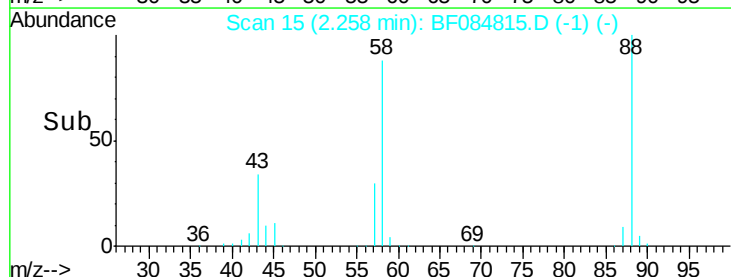
43 33.9 19.5 29.3#

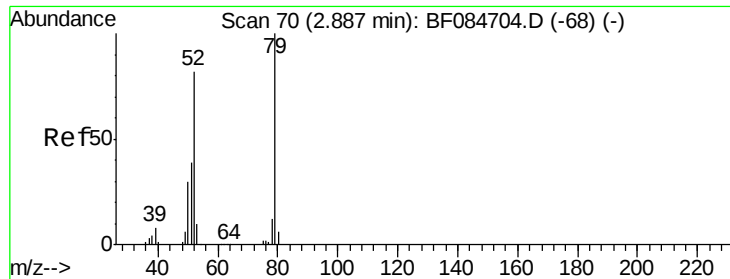


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 43.86 ng

RT: 2.92 min Scan# 73

Delta R.T. 0.08 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Instrument :

BNA_F

ClientSampleId :

SUP-B005(34-36)MSD

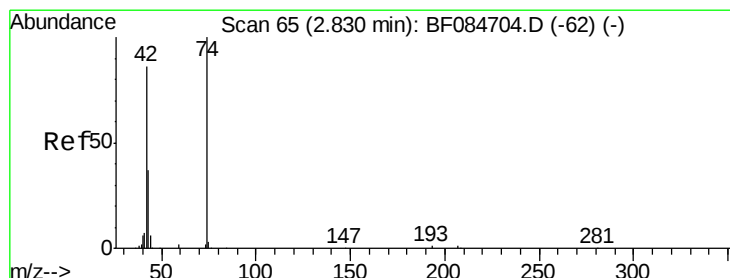
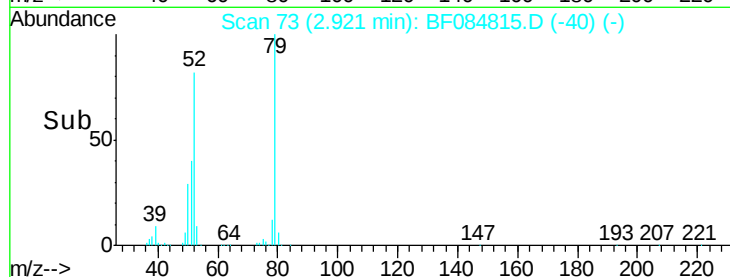
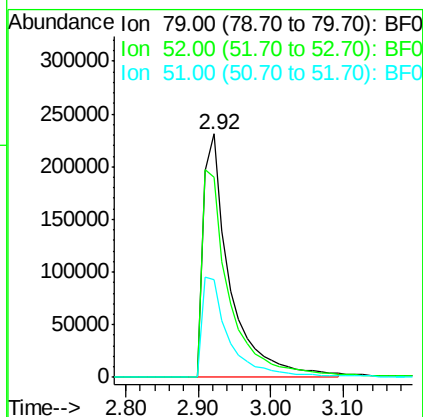
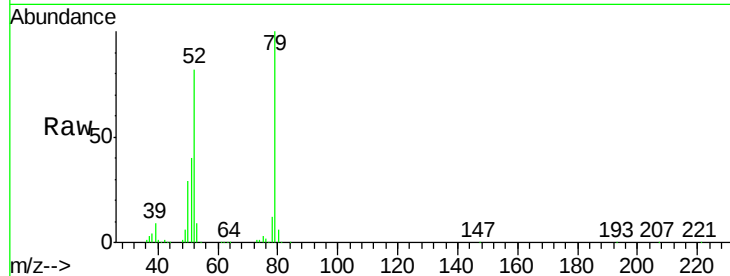
Tgt Ion: 79 Resp: 589899

Ion Ratio Lower Upper

79 100

52 82.4 49.0 73.4#

51 40.2 25.2 37.8#



#4

n-Nitrosodimethylamine

Concen: 47.22 ng

RT: 2.89 min Scan# 70

Delta R.T. 0.09 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

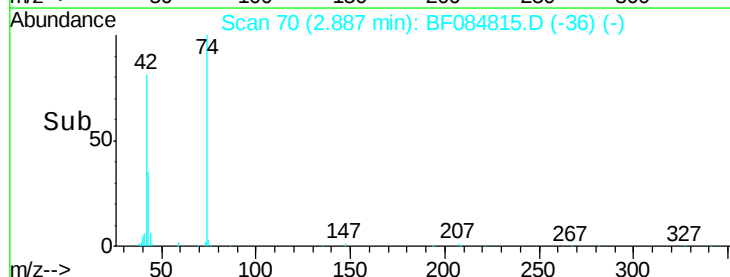
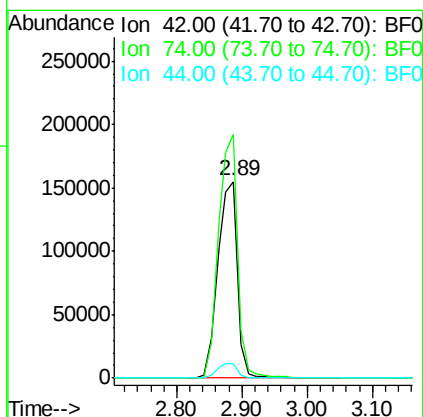
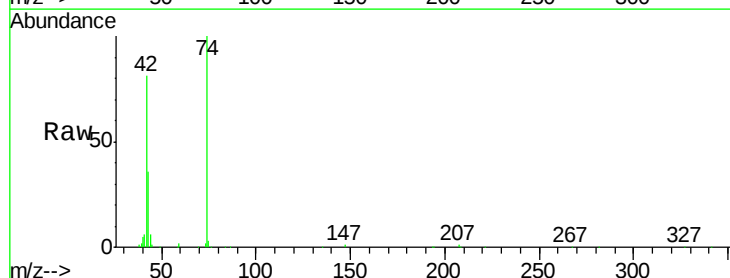
Tgt Ion: 42 Resp: 328452

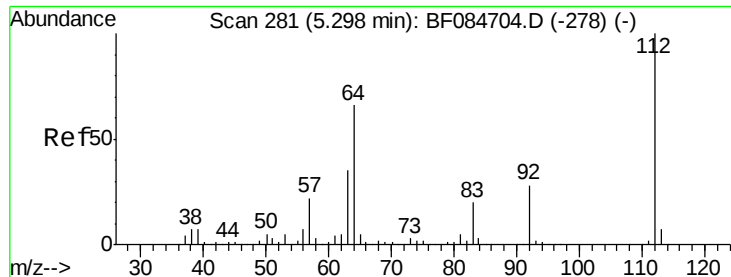
Ion Ratio Lower Upper

42 100

74 123.7 115.7 173.5

44 7.4 5.1 7.7





#5

2-Fluorophenol

Concen: 134.68 ng

RT: 5.29 min Scan# 280

Delta R.T. 0.01 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

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ClientSampleId :

SUP-B005(34-36)MSD

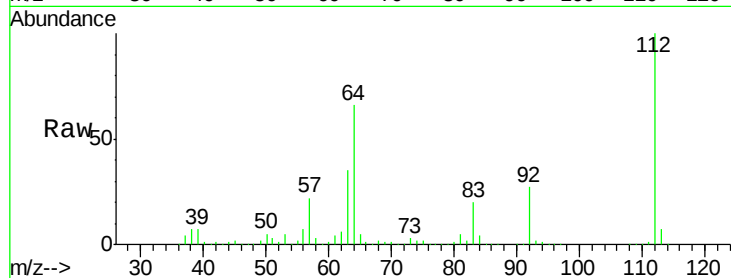
Tgt Ion: 112 Resp: 1587003

Ion Ratio Lower Upper

112 100

64 65.5 36.6 55.0#

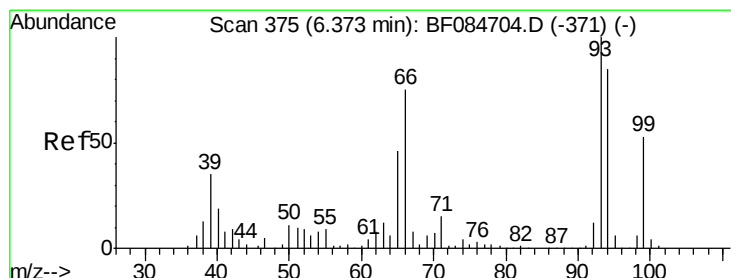
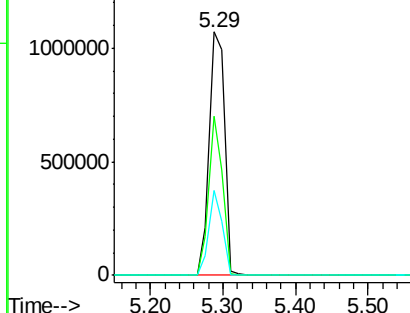
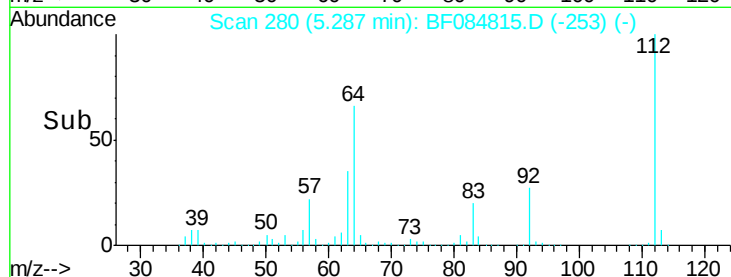
63 34.8 19.4 29.0#



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: 32.50 ng

RT: 6.36 min Scan# 374

Delta R.T. 0.01 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

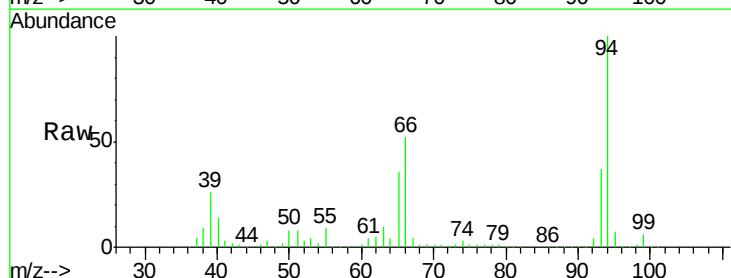
Tgt Ion: 93 Resp: 580965

Ion Ratio Lower Upper

93 100

66 140.7 44.9 67.3#

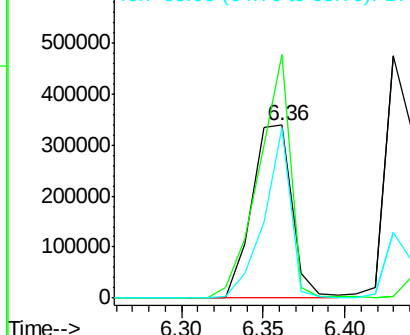
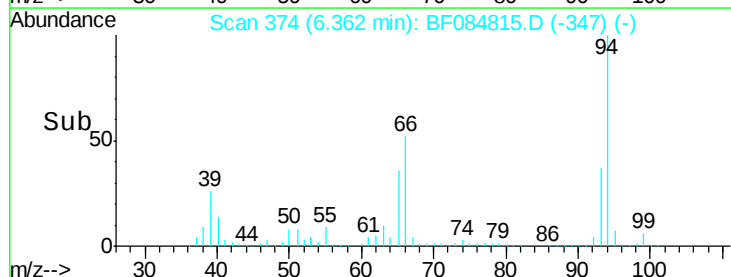
65 98.4 23.7 35.5#

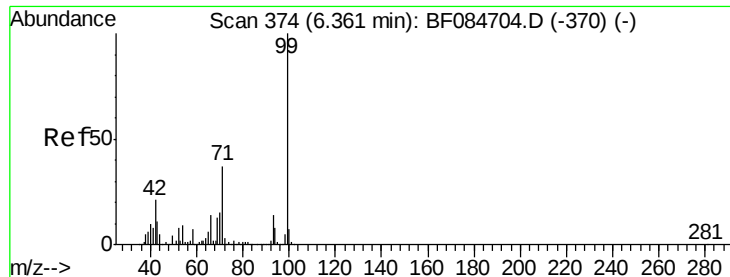


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 133.72 ng

RT: 6.35 min Scan# 373

Delta R.T. 0.01 min

Lab File: BF084815.D

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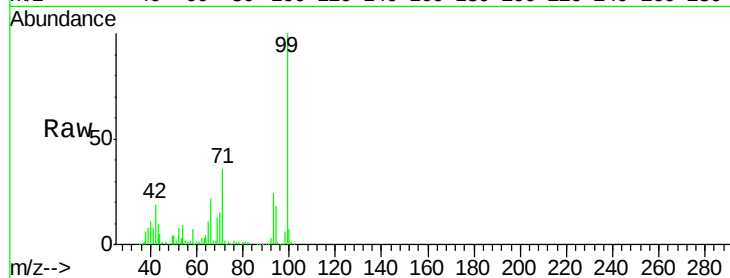
Tgt Ion: 99 Resp: 1953358

Ion Ratio Lower Upper

99 100

42 19.2 12.8 19.2

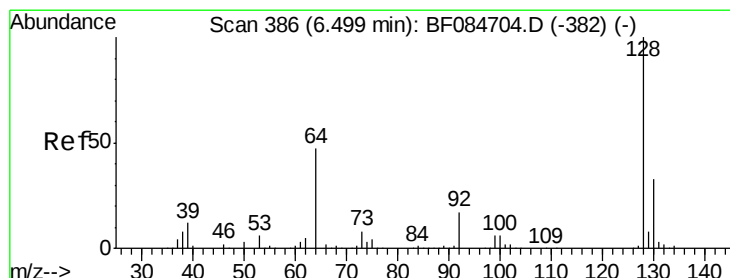
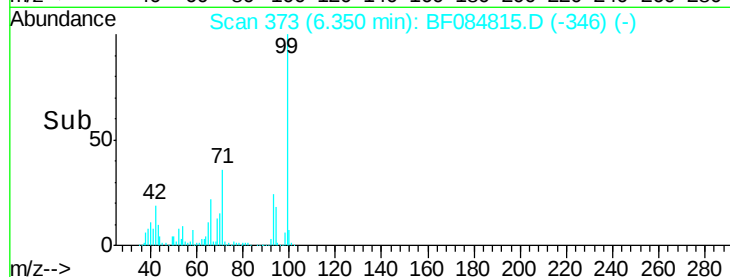
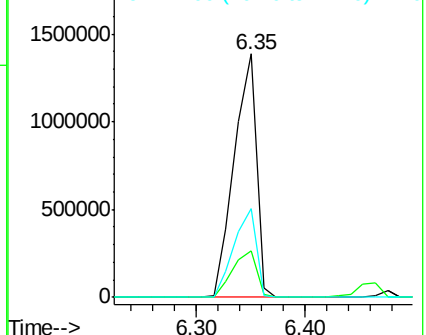
71 36.4 30.9 46.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#8

2-Chlorophenol

Concen: 44.29 ng

RT: 6.48 min Scan# 384

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

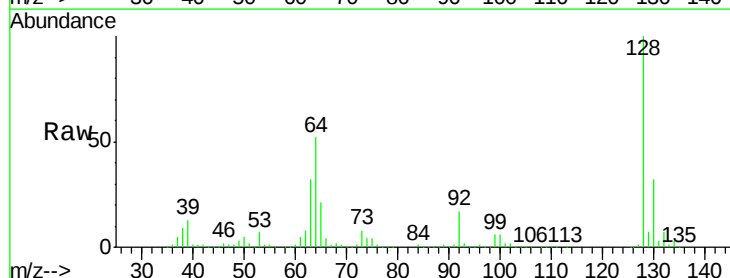
Tgt Ion: 128 Resp: 590789

Ion Ratio Lower Upper

128 100

130 32.2 11.6 51.6

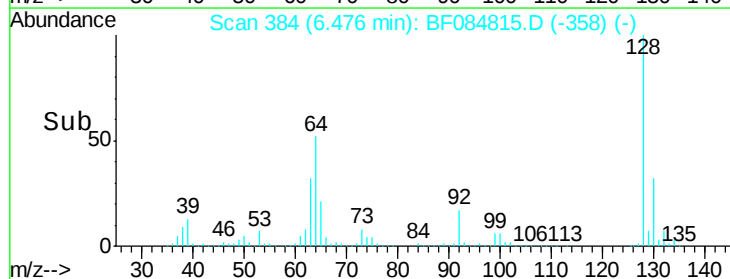
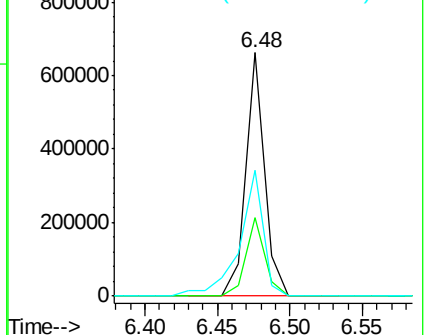
64 51.9 23.8 63.8

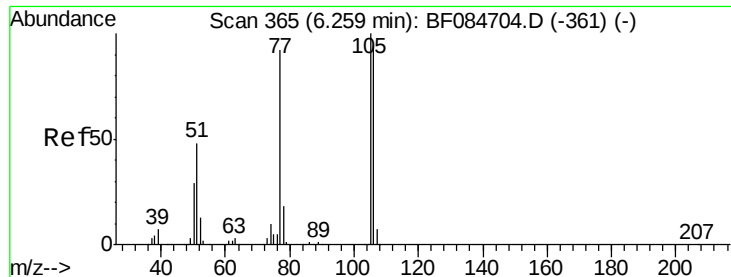


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 26.95 ng

RT: 6.22 min Scan# 362

Delta R.T. -0.01 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Instrument :

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ClientSampleId :

SUP-B005(34-36)MSD

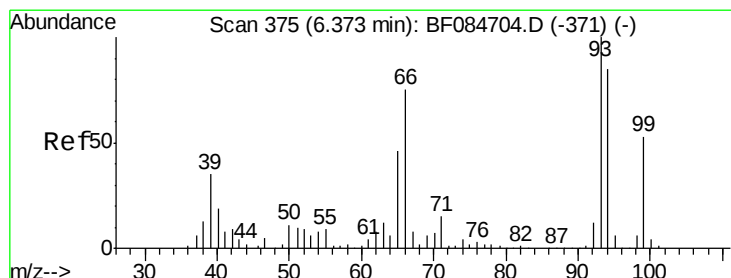
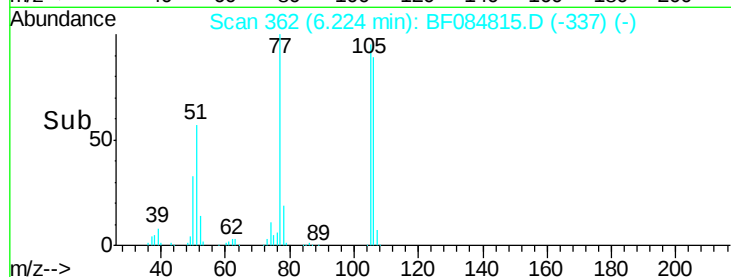
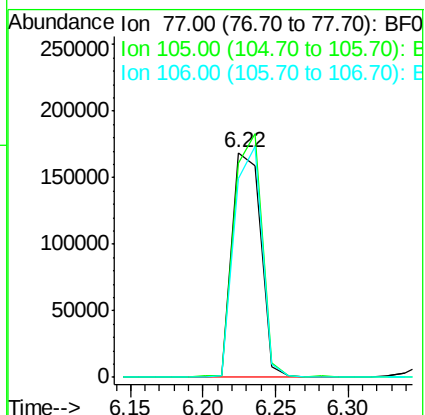
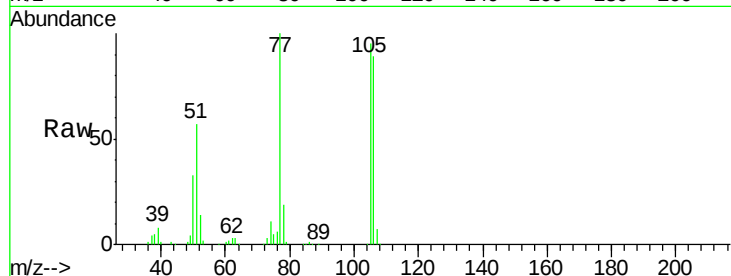
Tgt Ion: 77 Resp: 232490

Ion Ratio Lower Upper

77 100

105 95.4 83.0 123.0

106 88.8 74.6 114.6



#10

Phenol

Concen: 52.14 ng

RT: 6.36 min Scan# 374

Delta R.T. 0.01 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

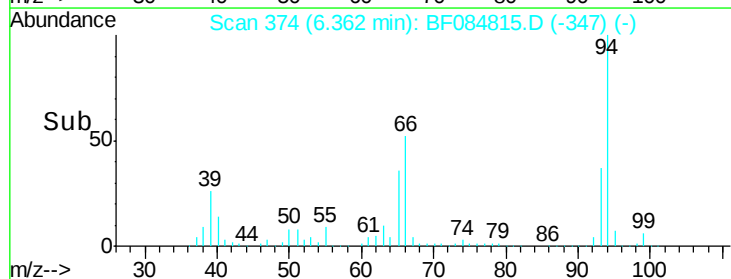
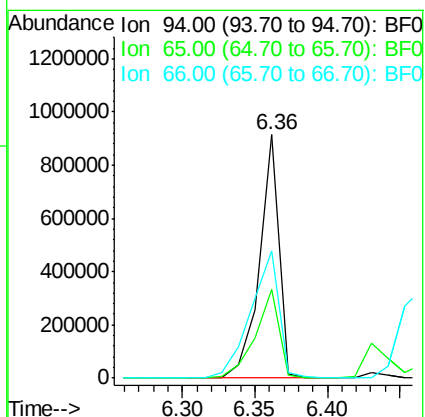
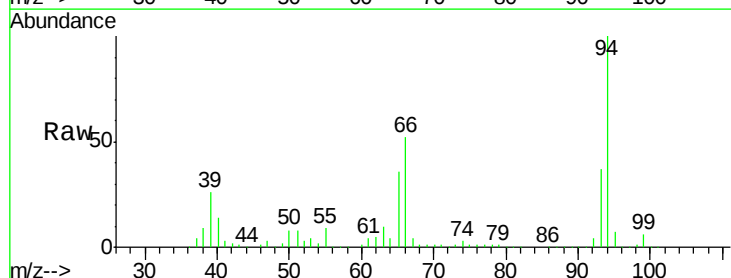
Tgt Ion: 94 Resp: 853350

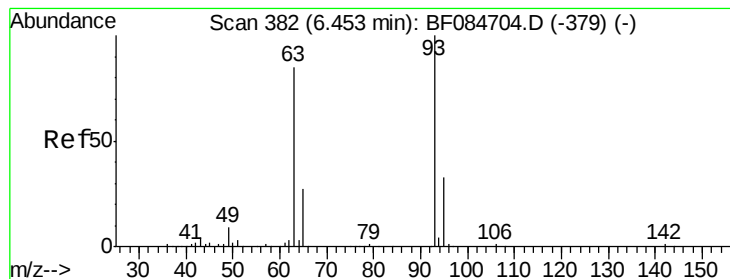
Ion Ratio Lower Upper

94 100

65 36.5 12.9 52.9

66 52.1 32.7 72.7





#11

bis(2-Chloroethyl)ether

Concen: 43.76 ng

RT: 6.43 min Scan# 380

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Instrument :

BNA_F

ClientSampleId :

SUP-B005(34-36)MSD

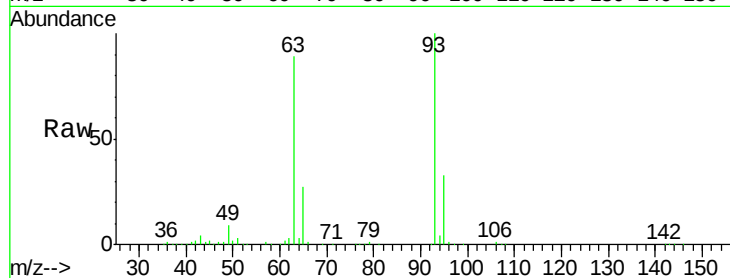
Tgt Ion: 93 Resp: 558444

Ion Ratio Lower Upper

93 100

63 88.7 45.9 85.9#

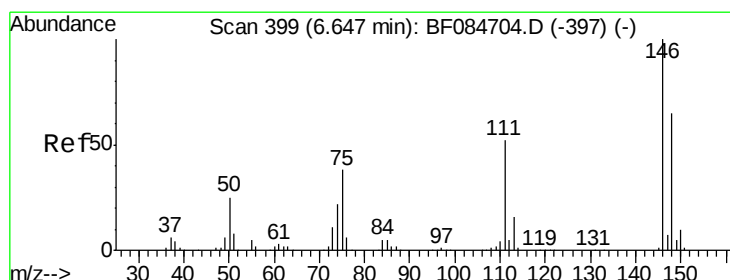
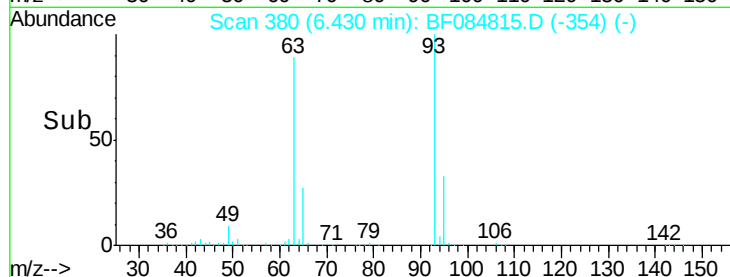
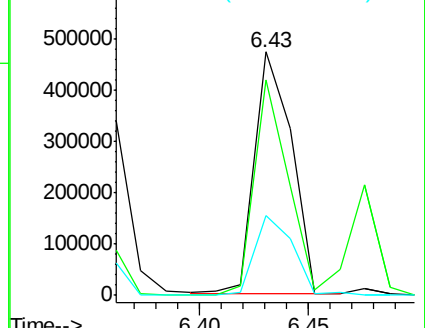
95 32.5 12.3 52.3



Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Ion 95.00 (94.70 to 95.70): BF0



#12

1,3-Dichlorobenzene

Concen: 42.24 ng

RT: 6.62 min Scan# 397

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

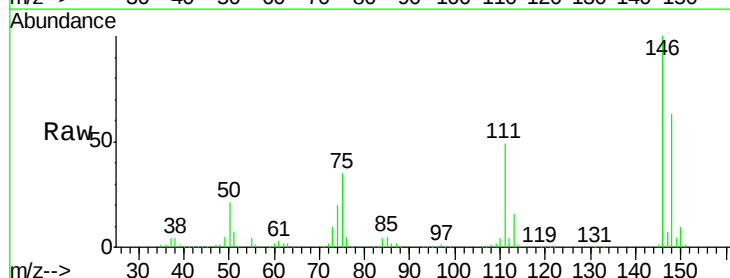
Tgt Ion: 146 Resp: 595278

Ion Ratio Lower Upper

146 100

148 63.3 51.9 77.9

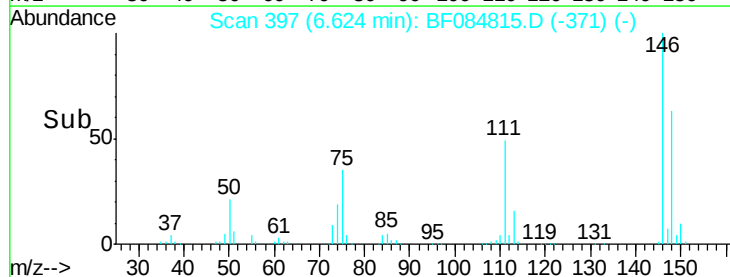
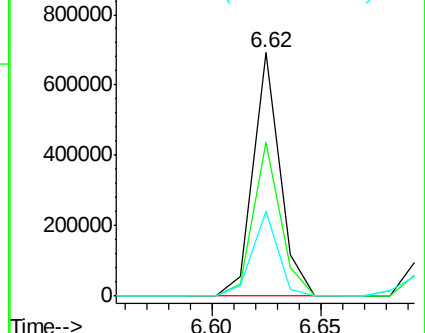
75 34.7 20.5 30.7#

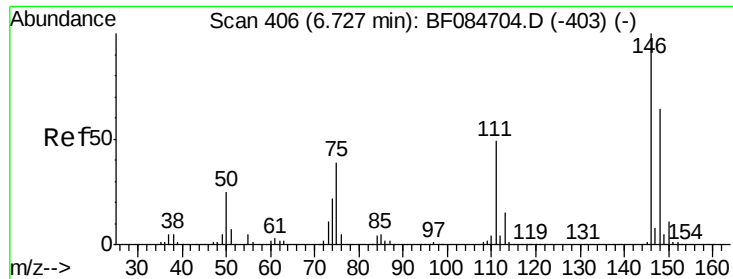


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF0

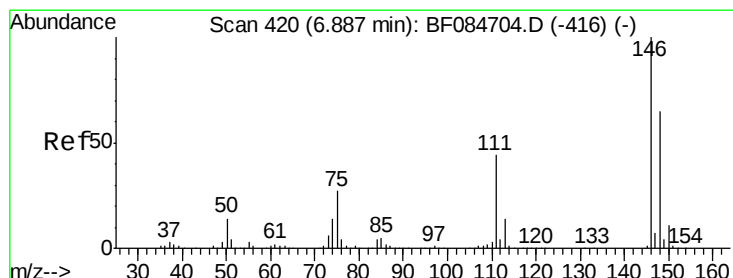
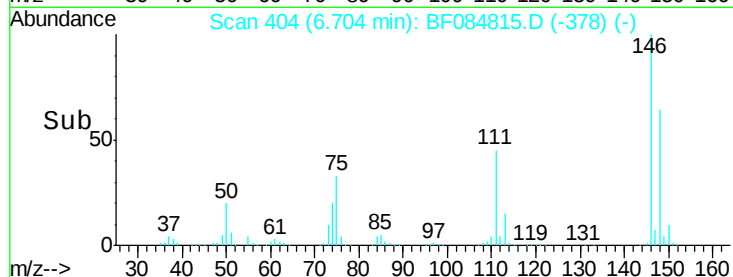
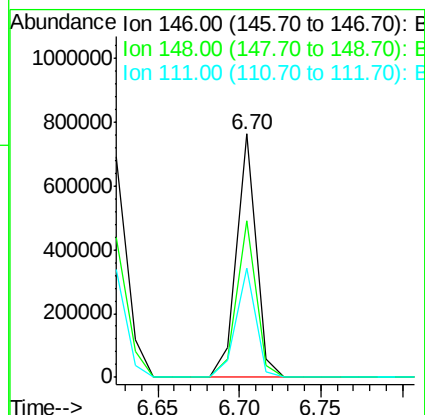
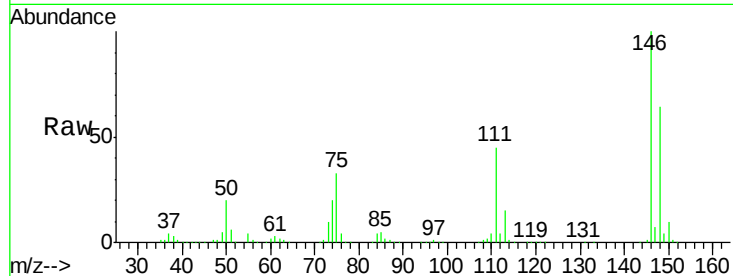




#13
 1,4-Dichlorobenzene
 Concen: 44.59 ng
 RT: 6.70 min Scan# 404
 Delta R.T. 0.00 min
 Lab File: BF084815.D
 Acq: 4 Feb 2016 5:32

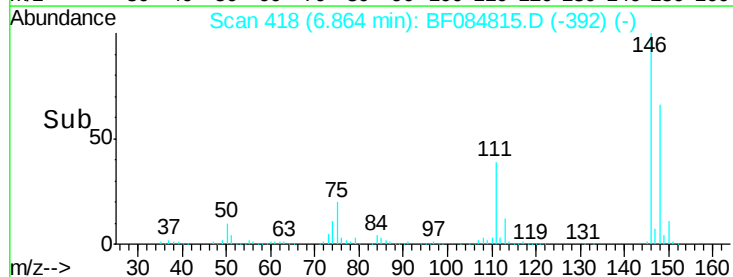
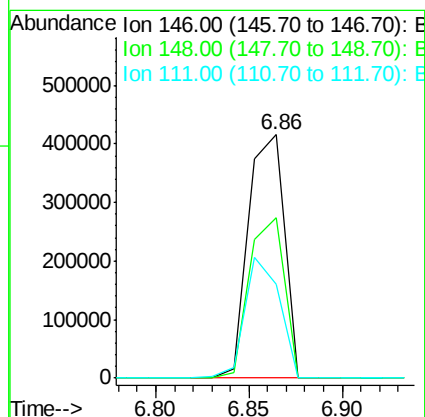
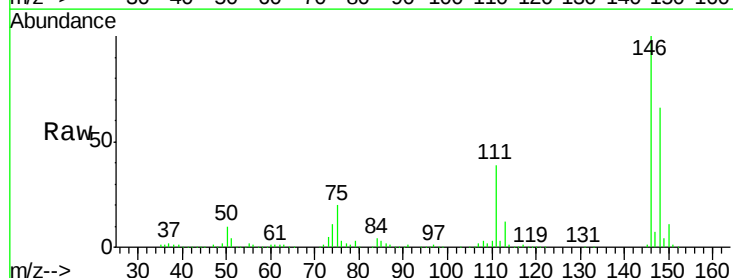
Instrument :
 BNA_F
 ClientSampleId :
 SUP-B005(34-36)MSD

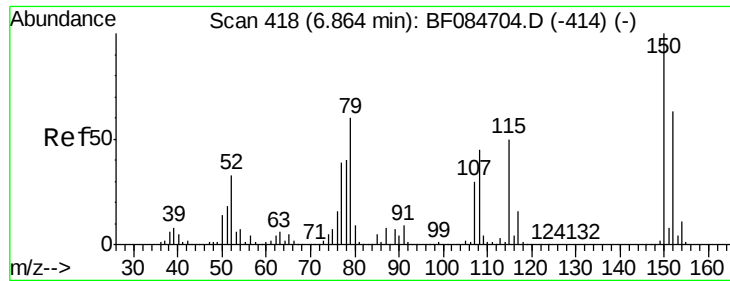
Tgt Ion:146 Resp: 628201
 Ion Ratio Lower Upper
 146 100
 148 64.2 51.9 77.9
 111 45.1 41.6 62.4



#14
 1,2-Dichlorobenzene
 Concen: 42.11 ng
 RT: 6.86 min Scan# 418
 Delta R.T. 0.00 min
 Lab File: BF084815.D
 Acq: 4 Feb 2016 5:32

Tgt Ion:146 Resp: 552503
 Ion Ratio Lower Upper
 146 100
 148 65.9 51.6 77.4
 111 38.6 38.0 57.0

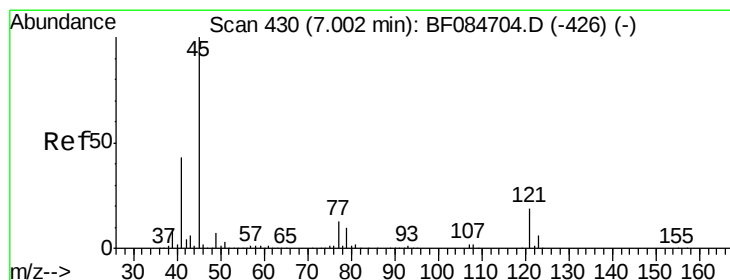
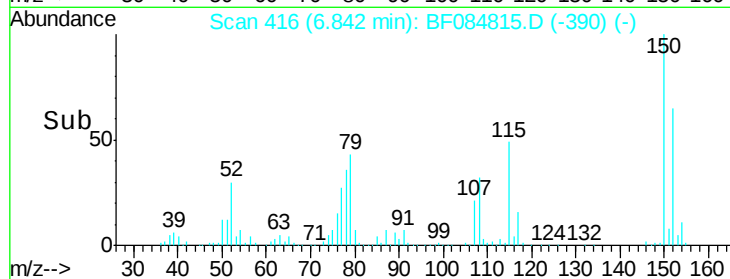
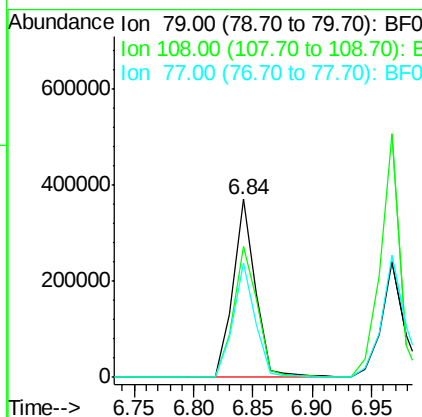
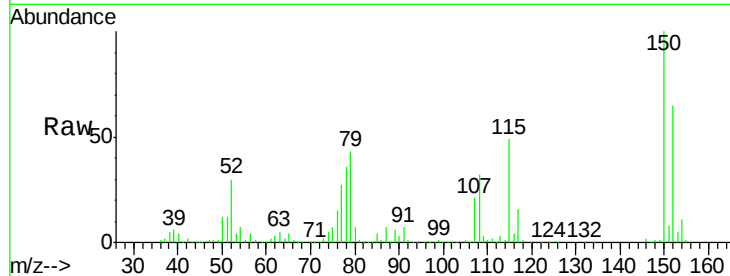




#15
Benzyl Alcohol
Concen: 48.36 ng
RT: 6.84 min Scan# 416
Delta R.T. 0.00 min
Lab File: BF084815.D
Acq: 4 Feb 2016 5:32

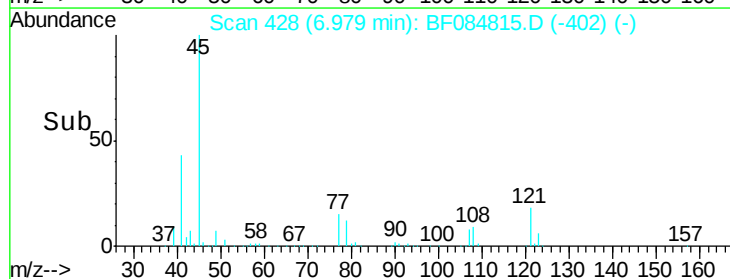
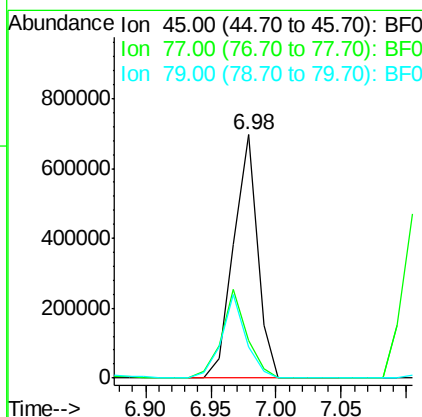
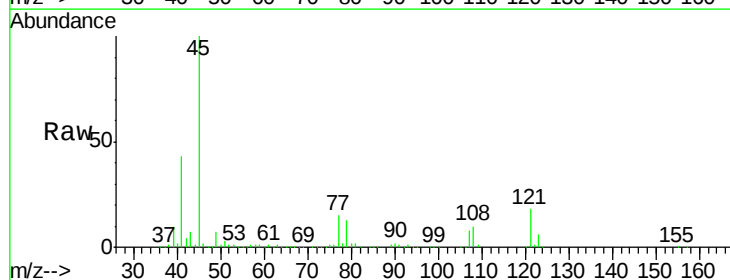
Instrument :
BNA_F
ClientSampleId :
SUP-B005(34-36)MSD

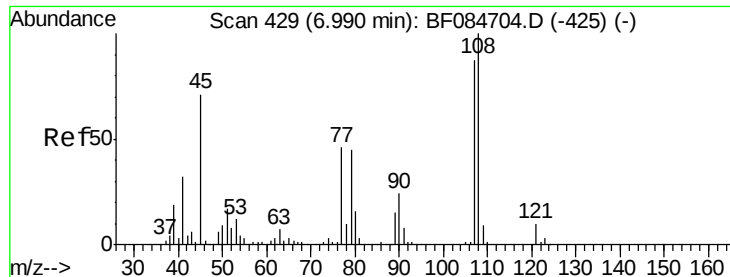
Tgt Ion: 79 Resp: 487779
Ion Ratio Lower Upper
79 100
108 73.6 69.0 103.4
77 64.0 50.0 75.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.16 ng
RT: 6.98 min Scan# 428
Delta R.T. 0.00 min
Lab File: BF084815.D
Acq: 4 Feb 2016 5:32

Tgt Ion: 45 Resp: 883659
Ion Ratio Lower Upper
45 100
77 15.5 0.0 39.6
79 12.7 0.0 35.0

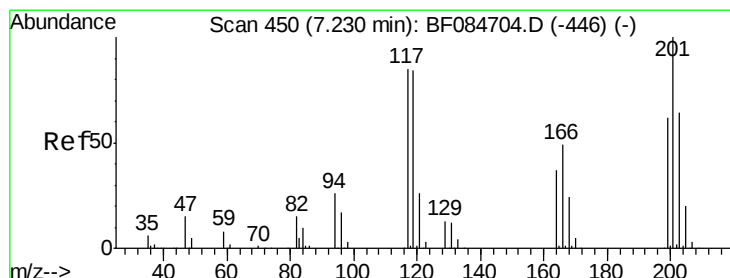
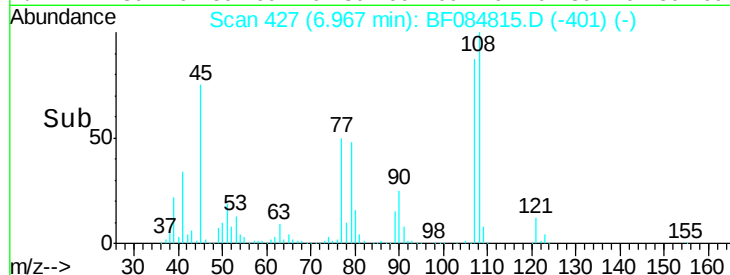
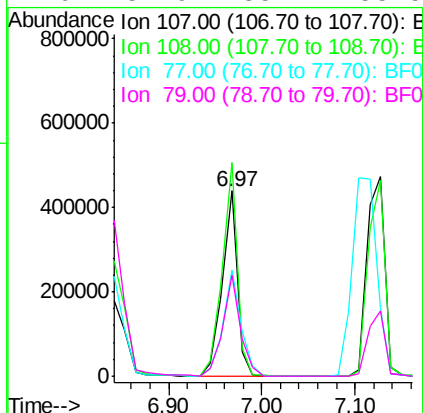
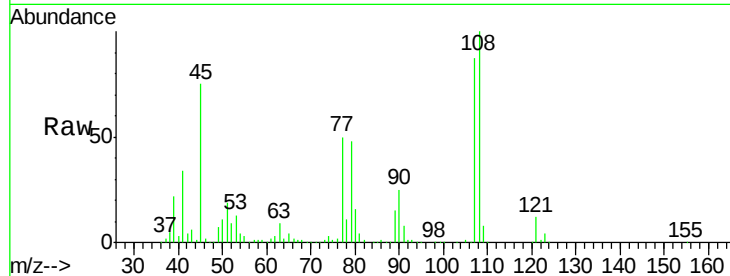




#17
2-Methylphenol
Concen: 46.76 ng
RT: 6.97 min Scan# 427
Delta R.T. 0.00 min
Lab File: BF084815.D
Acq: 4 Feb 2016 5:32

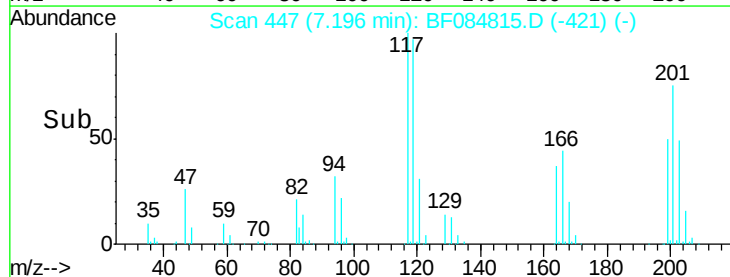
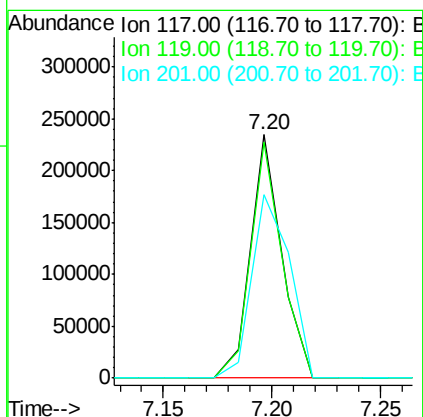
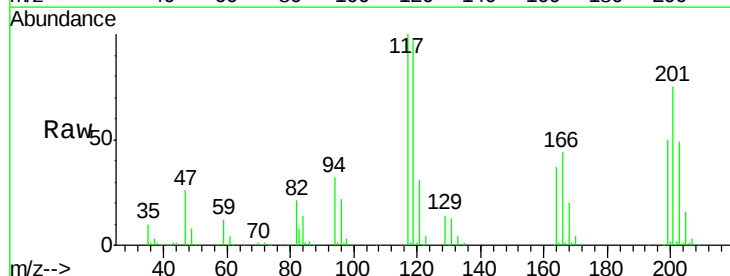
Instrument :
BNA_F
ClientSampleId :
SUP-B005(34-36)MSD

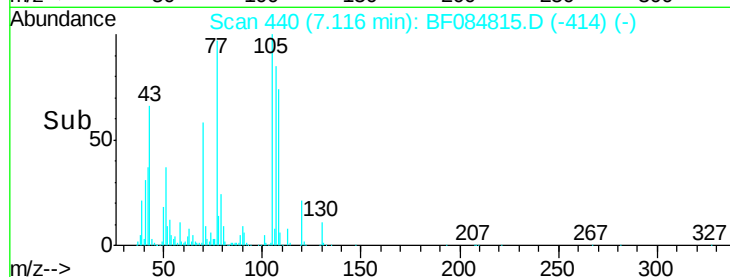
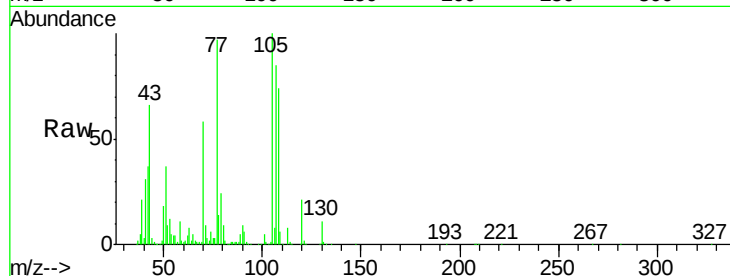
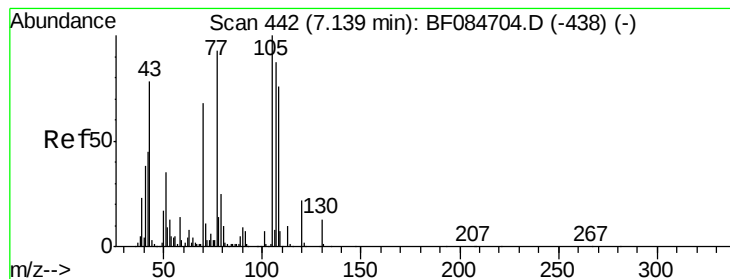
Tgt Ion:107 Resp: 493240
Ion Ratio Lower Upper
107 100
108 115.3 89.8 134.6
77 57.5 35.7 53.5#
79 54.9 35.7 53.5#



#18
Hexachloroethane
Concen: 43.07 ng
RT: 7.20 min Scan# 447
Delta R.T. 0.00 min
Lab File: BF084815.D
Acq: 4 Feb 2016 5:32

Tgt Ion:117 Resp: 233633
Ion Ratio Lower Upper
117 100
119 97.1 77.4 116.0
201 75.5 68.6 103.0





#19

n-Nitroso-di-n-propylamine

Concen: 46.77 ng

RT: 7.12 min Scan# 440

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Instrument :

BNA_F

ClientSampleId :

SUP-B005(34-36)MSD

Tgt Ion: 70 Resp: 428265

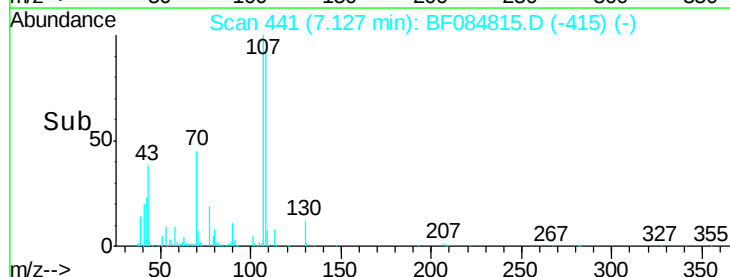
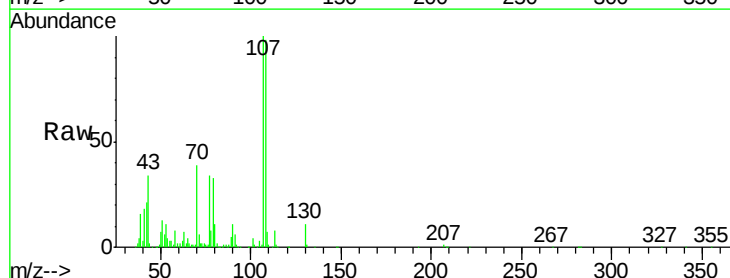
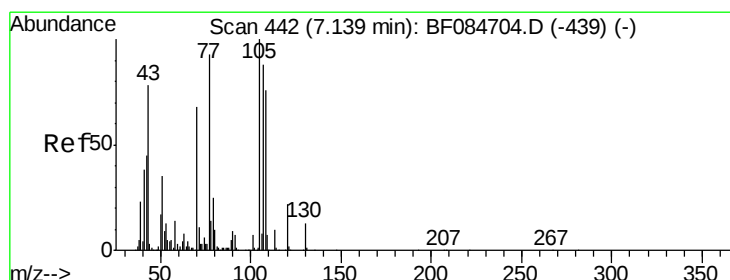
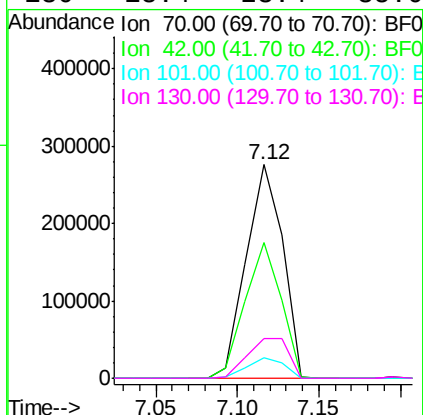
Ion Ratio Lower Upper

70 100

42 63.7 33.3 49.9#

101 9.3 9.3 13.9

130 18.4 23.4 35.0#



#20

3+4-Methylphenols

Concen: 48.49 ng

RT: 7.13 min Scan# 441

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Tgt Ion: 107 Resp: 634946

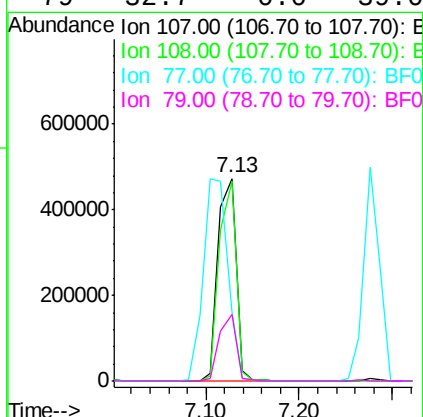
Ion Ratio Lower Upper

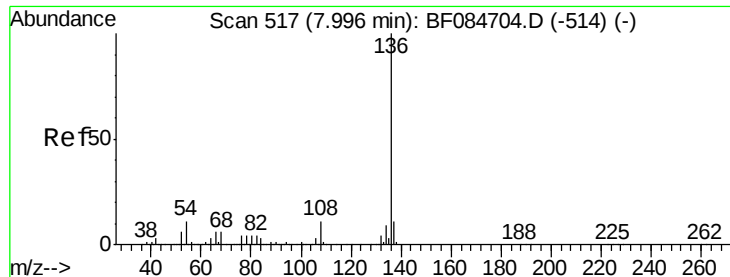
107 100

108 98.5 74.6 114.6

77 34.1 0.7 40.7

79 32.7 0.0 39.0

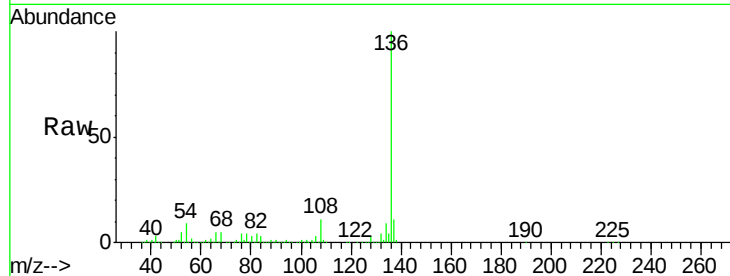




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.97 min Scan# 515
Delta R.T. 0.00 min
Lab File: BF084815.D
Acq: 4 Feb 2016 5:32

Instrument :
BNA_F
ClientSampleId :
SUP-B005(34-36)MSD

Tgt Ion:	136	Resp:	747237
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.7	13.1
54	9.5	5.8	8.8#
68	5.3	4.2	6.2



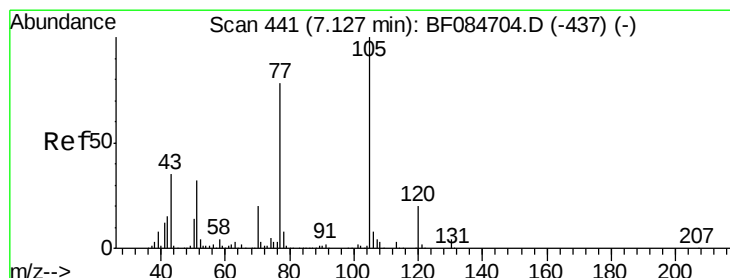
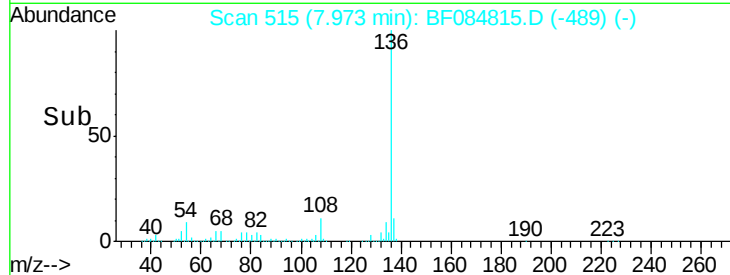
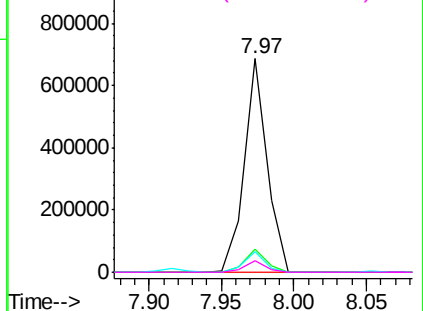
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

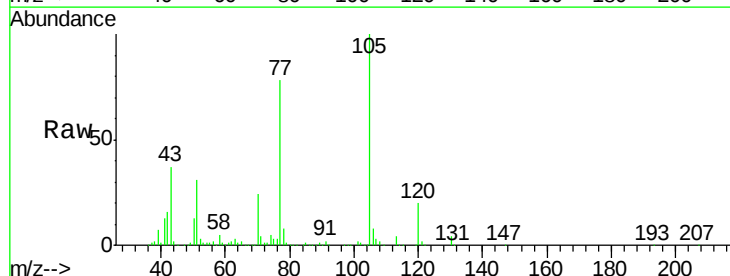
Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22
Acetophenone
Concen: 44.79 ng
RT: 7.10 min Scan# 439
Delta R.T. 0.00 min
Lab File: BF084815.D
Acq: 4 Feb 2016 5:32

Tgt Ion:	105	Resp:	882160
Ion Ratio	Lower	Upper	
105	100		
71	4.2	3.7	5.5
51	31.0	25.1	37.7
120	20.5	16.6	25.0



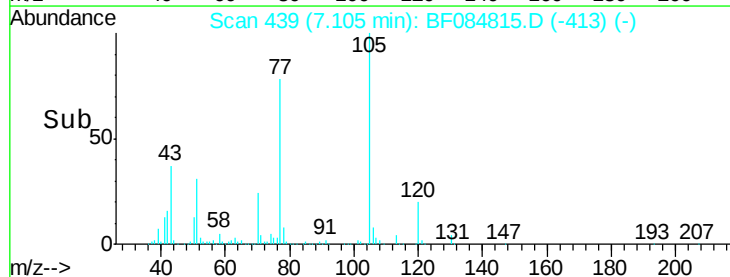
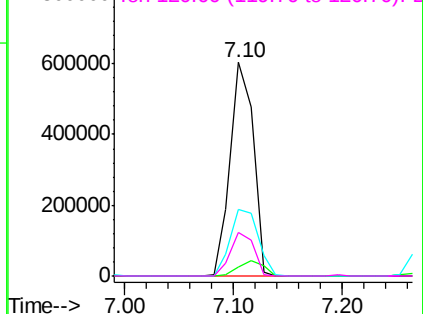
Abundance

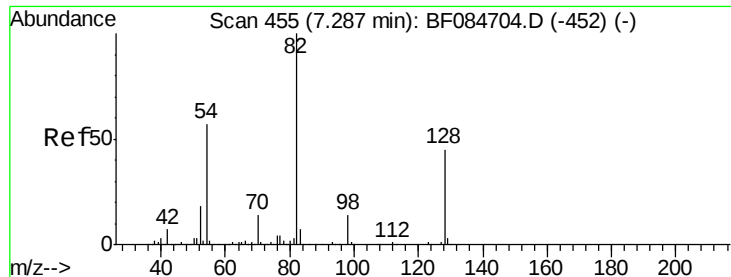
Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

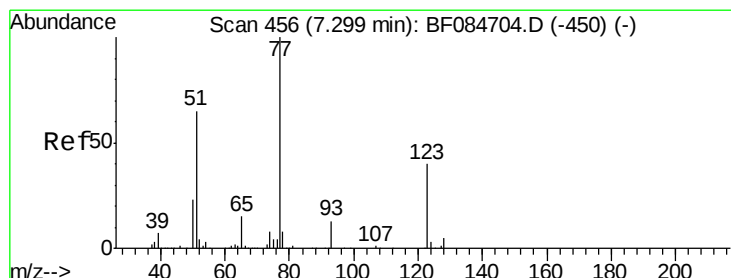
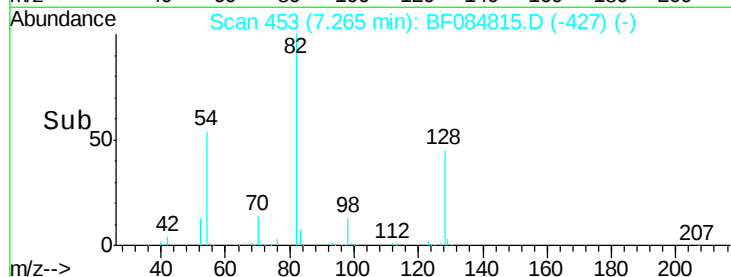
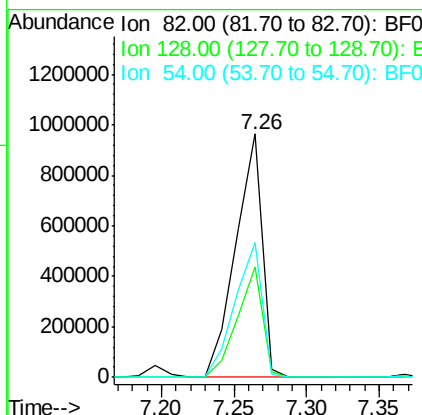
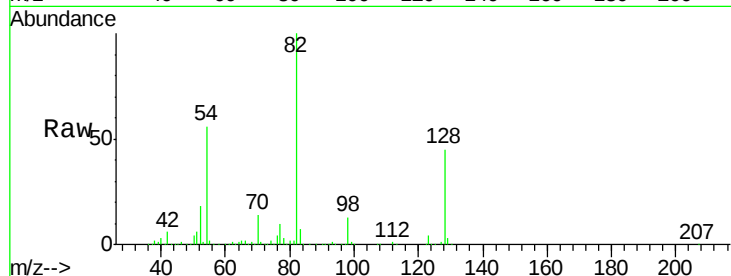




#23
 Nitrobenzene-d5
 Concen: 91.68 ng
 RT: 7.26 min Scan# 453
 Delta R.T. 0.00 min
 Lab File: BF084815.D
 Acq: 4 Feb 2016 5:32

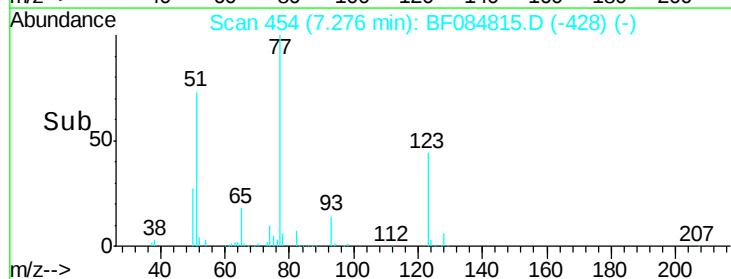
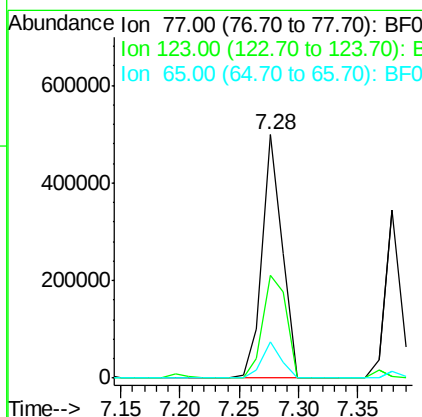
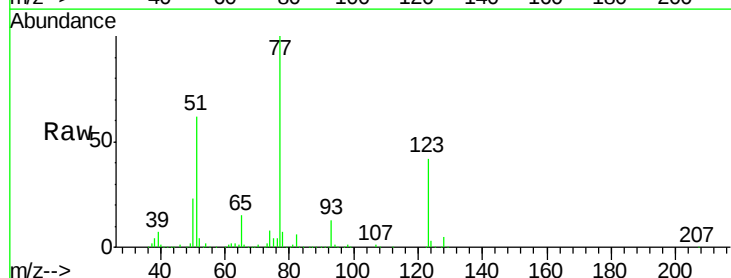
Instrument :
 BNA_F
 ClientSampleId :
 SUP-B005(34-36)MSD

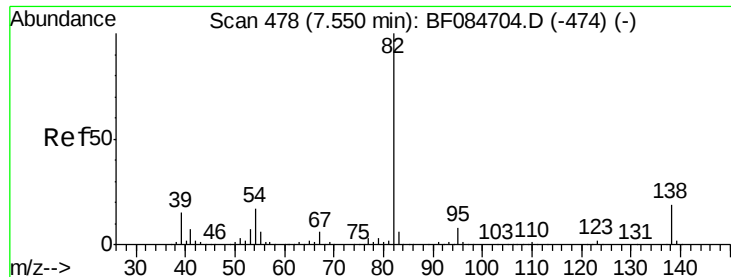
Tgt Ion: 82 Resp: 1216097
 Ion Ratio Lower Upper
 82 100
 128 45.2 34.6 51.8
 54 55.6 38.4 57.6



#24
 Nitrobenzene
 Concen: 41.63 ng
 RT: 7.28 min Scan# 454
 Delta R.T. 0.00 min
 Lab File: BF084815.D
 Acq: 4 Feb 2016 5:32

Tgt Ion: 77 Resp: 591356
 Ion Ratio Lower Upper
 77 100
 123 42.3 37.4 56.2
 65 14.7 10.9 16.3





#25

Isophorone

Concen: 46.27 ng

RT: 7.53 min Scan# 476

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Instrument :

BNA_F

ClientSampleId :

SUP-B005(34-36)MSD

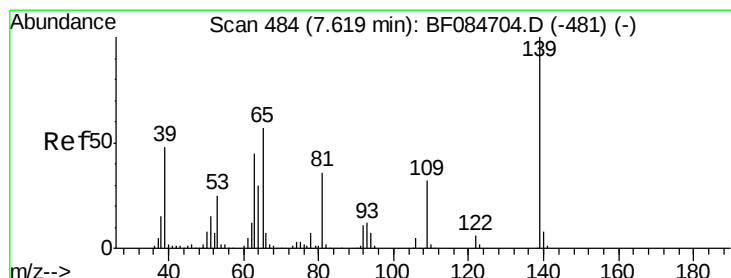
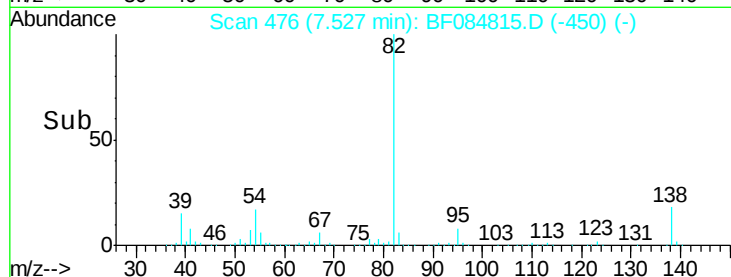
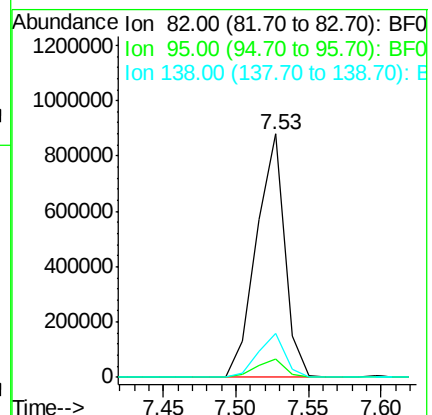
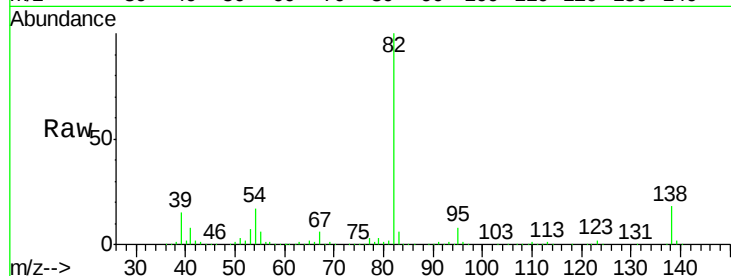
Tgt Ion: 82 Resp: 1193470

Ion Ratio Lower Upper

82 100

95 7.7 6.6 10.0

138 18.1 13.6 20.4



#26

2-Nitrophenol

Concen: 46.93 ng

RT: 7.60 min Scan# 482

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

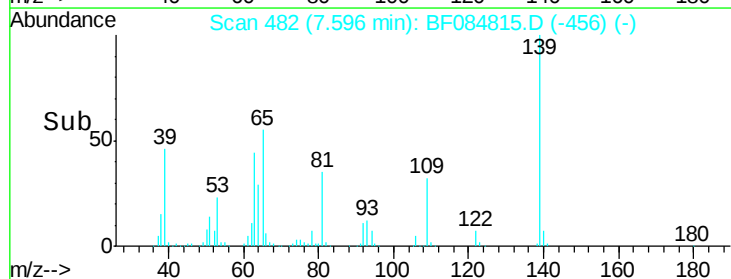
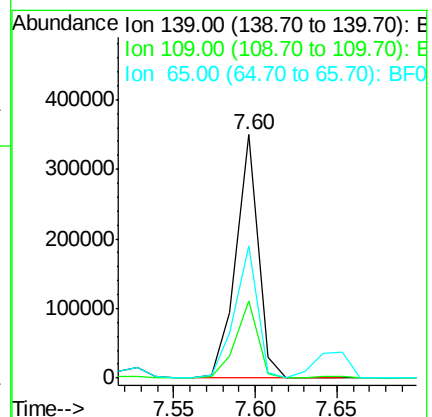
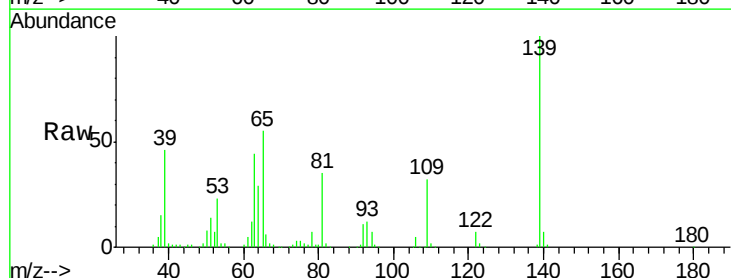
Tgt Ion: 139 Resp: 328803

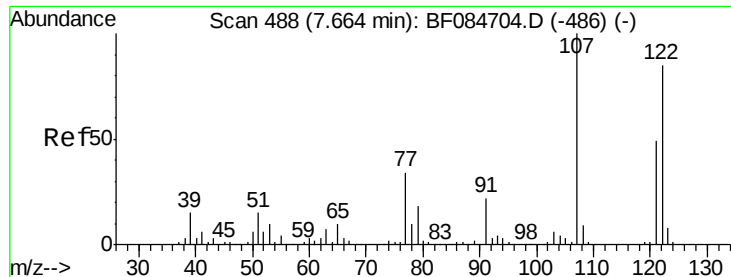
Ion Ratio Lower Upper

139 100

109 31.6 25.4 38.2

65 54.5 32.3 48.5#

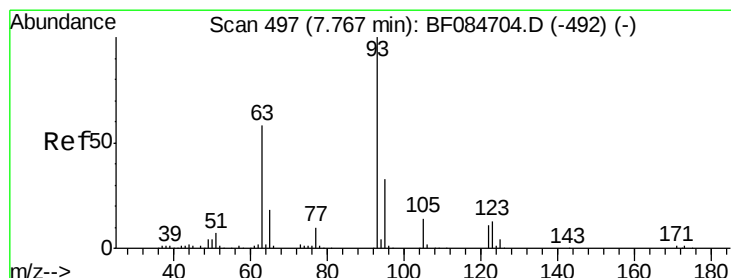
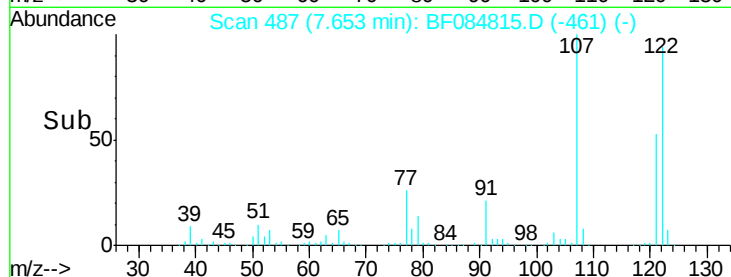
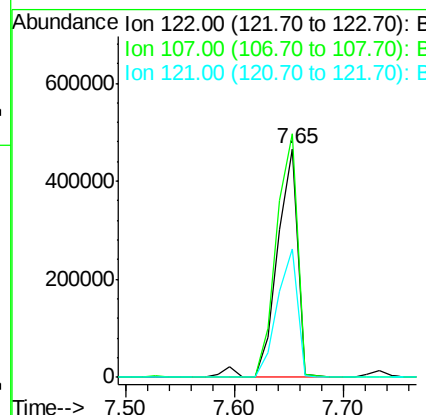
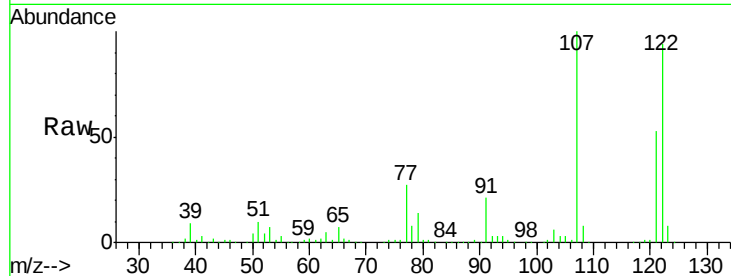




#27
 2,4-Dimethylphenol
 Concen: 50.27 ng
 RT: 7.65 min Scan# 487
 Delta R.T. 0.00 min
 Lab File: BF084815.D
 Acq: 4 Feb 2016 5:32

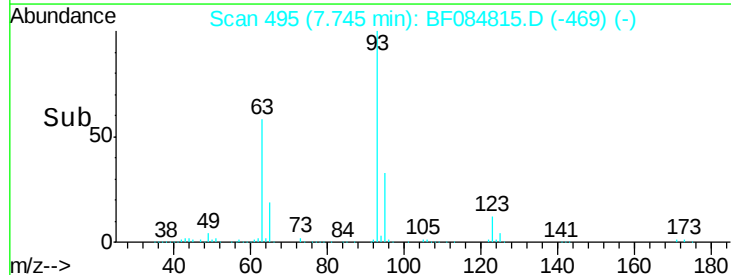
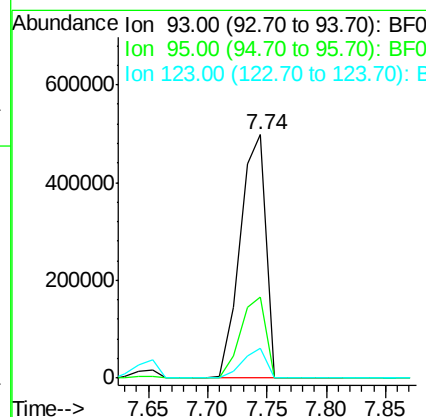
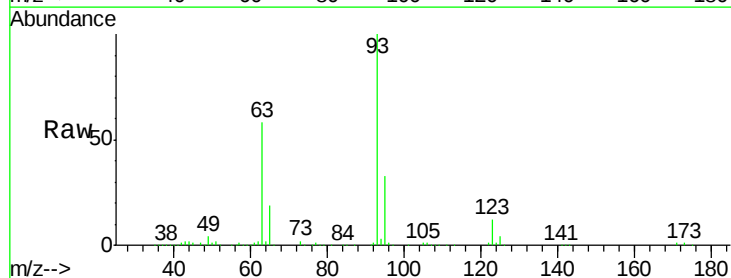
Instrument :
 BNA_F
 ClientSampleId :
 SUP-B005(34-36)MSD

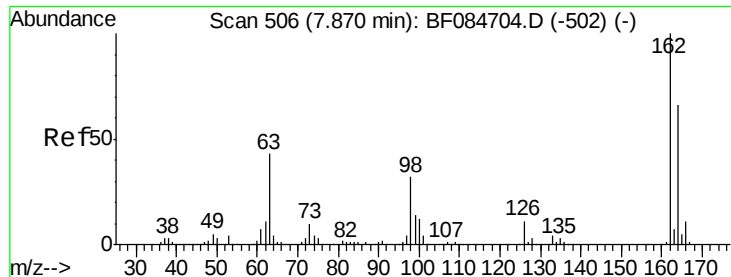
Tgt Ion: 122 Resp: 612638
 Ion Ratio Lower Upper
 122 100
 107 106.7 99.1 148.7
 121 56.3 47.9 71.9



#28
 bis(2-Chloroethoxy)methane
 Concen: 48.75 ng
 RT: 7.74 min Scan# 495
 Delta R.T. 0.00 min
 Lab File: BF084815.D
 Acq: 4 Feb 2016 5:32

Tgt Ion: 93 Resp: 745927
 Ion Ratio Lower Upper
 93 100
 95 33.2 25.8 38.6
 123 12.3 8.6 12.8

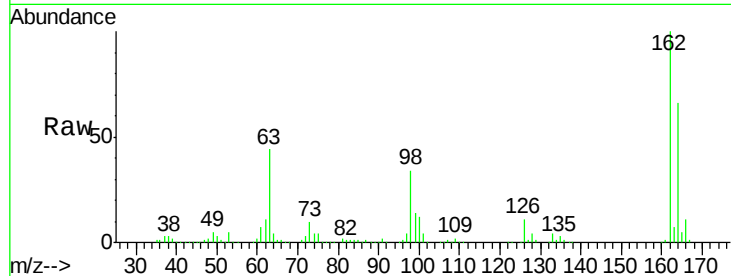




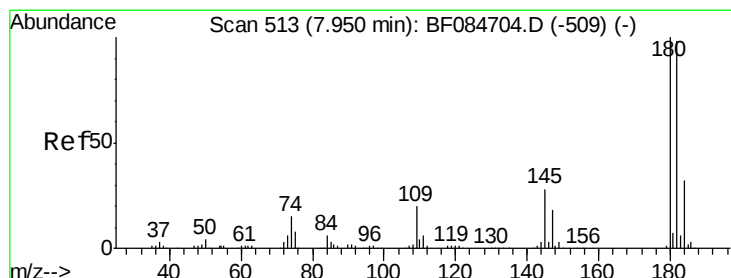
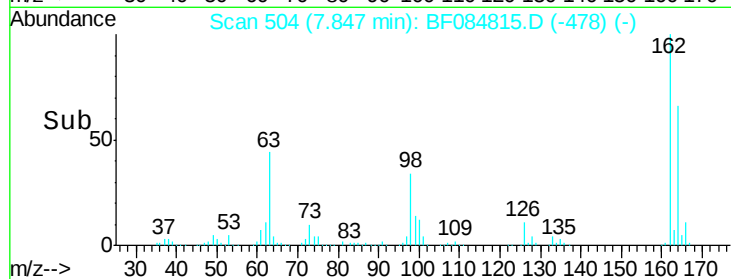
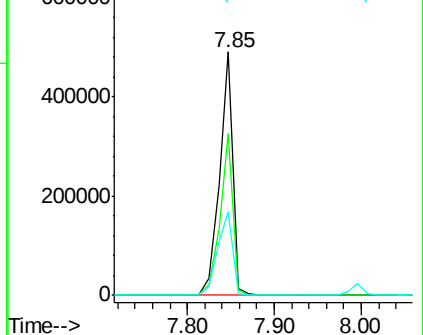
#29
 2,4-Dichlorophenol
 Concen: 50.65 ng
 RT: 7.85 min Scan# 504
 Delta R.T. 0.00 min
 Lab File: BF084815.D
 Acq: 4 Feb 2016 5:32

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B005(34-36)MSD

Tgt Ion	Ratio	Lower	Upper
162	100		
164	66.3	44.1	84.1
98	34.1	20.2	60.2

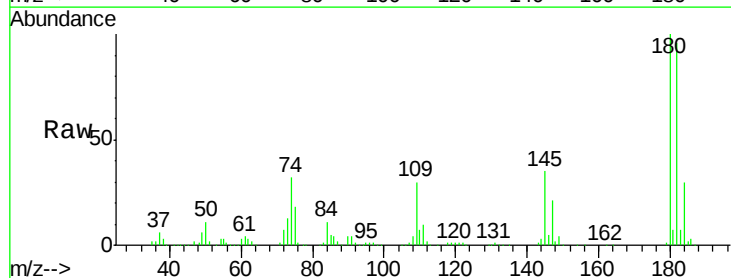


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

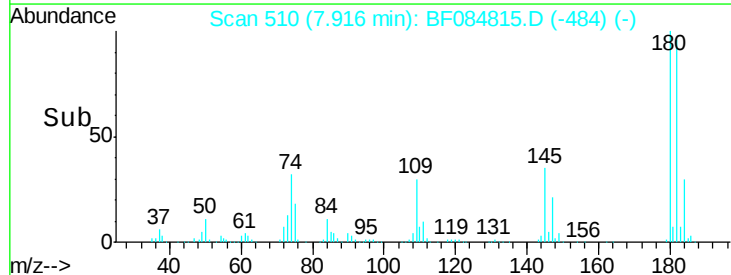
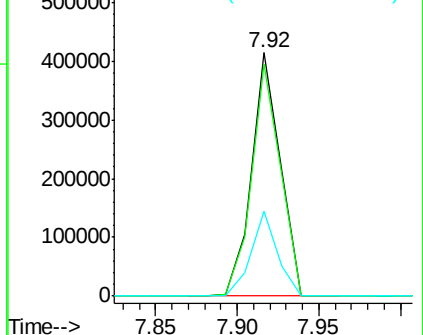


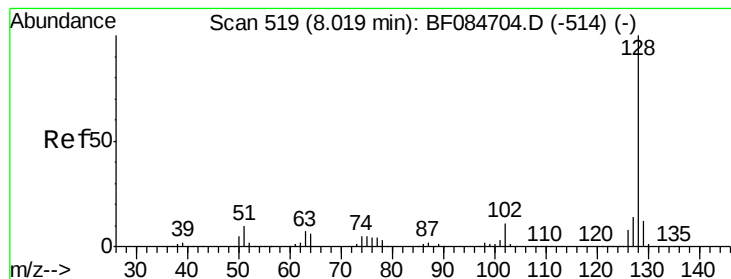
#30
 1,2,4-Trichlorobenzene
 Concen: 42.79 ng
 RT: 7.92 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: BF084815.D
 Acq: 4 Feb 2016 5:32

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.4	114.6
145	34.8	31.6	47.4



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





#31

Naphthalene

Concen: 42.56 ng

RT: 8.00 min Scan# 517

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Instrument :

BNA_F

ClientSampleId :

SUP-B005(34-36)MSD

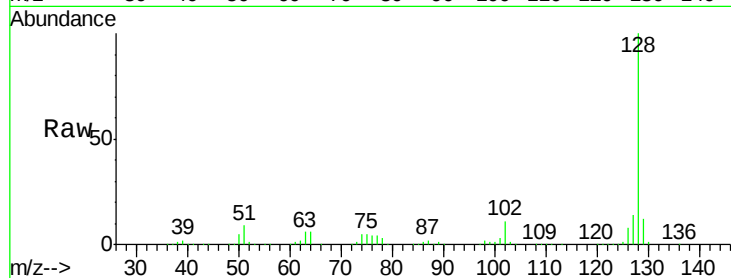
Tgt Ion:128 Resp: 1595213

Ion Ratio Lower Upper

128 100

129 11.8 9.1 13.7

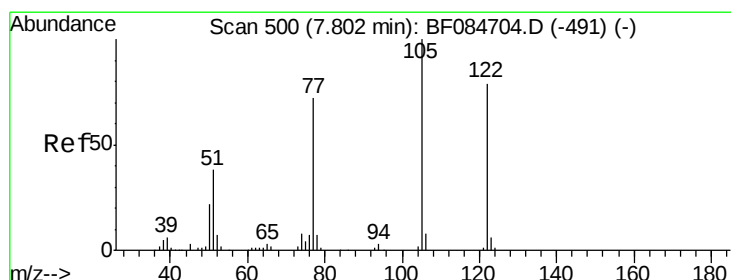
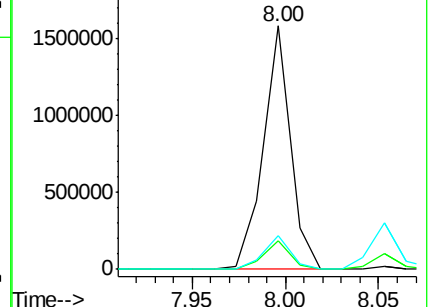
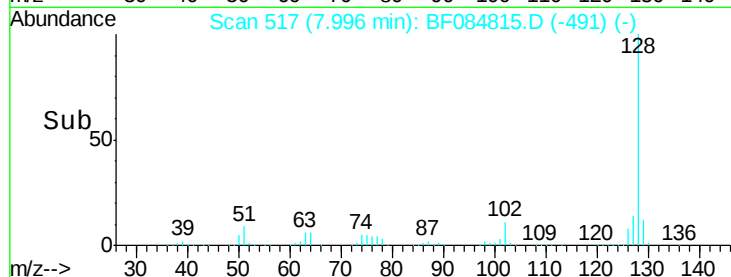
127 13.7 11.1 16.7



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: 3.05 ng

RT: 7.73 min Scan# 494

Delta R.T. -0.06 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

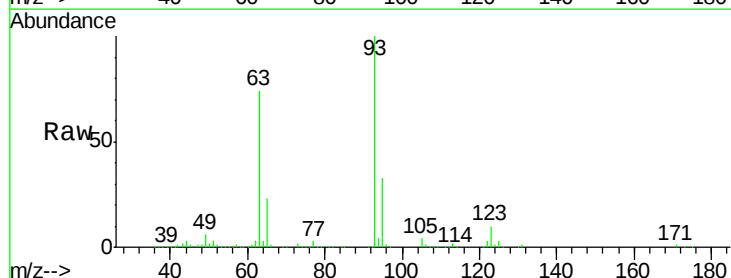
Tgt Ion:122 Resp: 23788

Ion Ratio Lower Upper

122 100

105 126.6 100.3 140.3

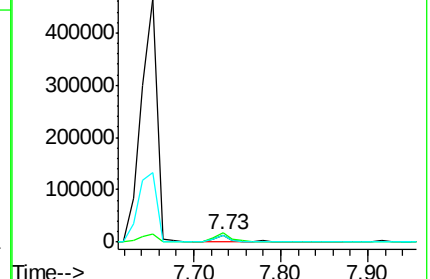
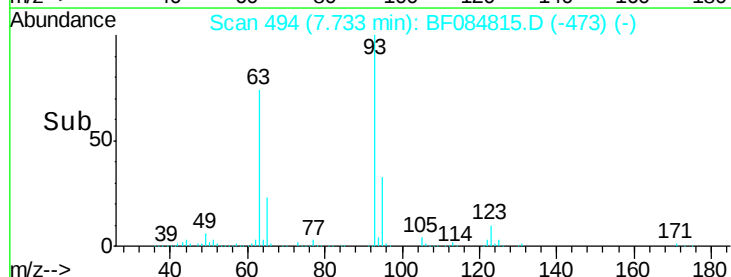
77 90.8 63.5 103.5

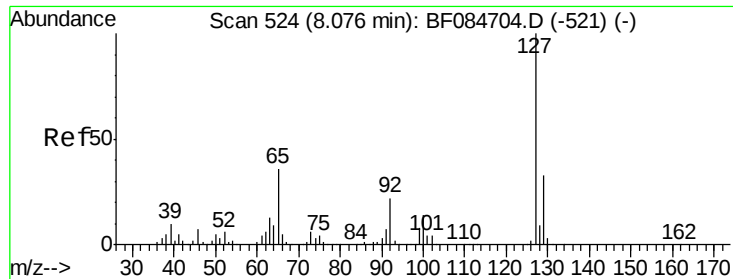


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

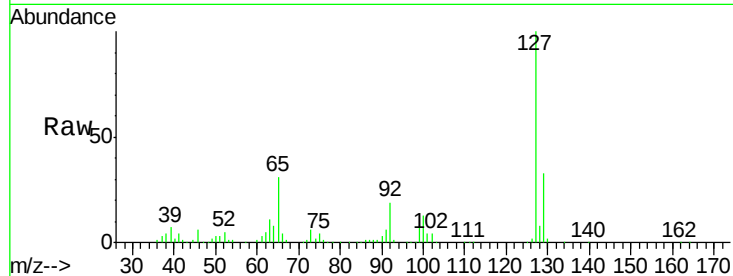




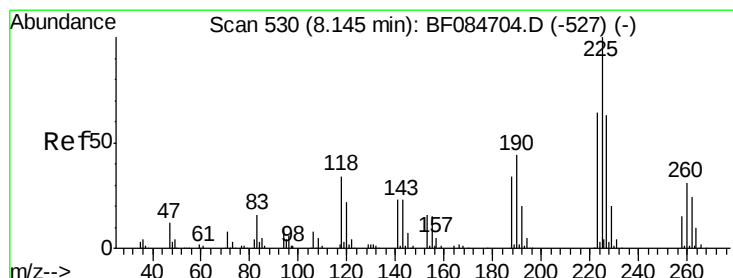
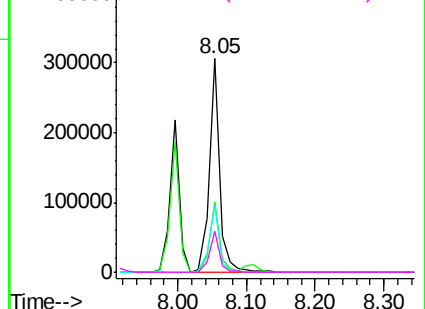
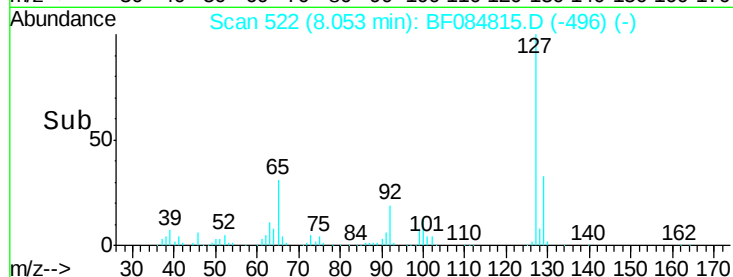
#33
4-Chloroaniline
Concen: 20.69 ng
RT: 8.05 min Scan# 522
Delta R.T. 0.00 min
Lab File: BF084815.D
Acq: 4 Feb 2016 5:32

Instrument :
BNA_F
ClientSampleId :
SUP-B005(34-36)MSD

Tgt Ion:	127	Resp:	320725
Ion	Ratio	Lower	Upper
127	100		
129	33.0	26.5	39.7
65	31.1	27.2	40.8
92	19.3	17.7	26.5

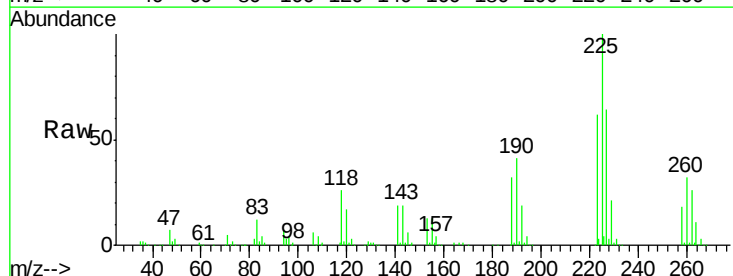


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

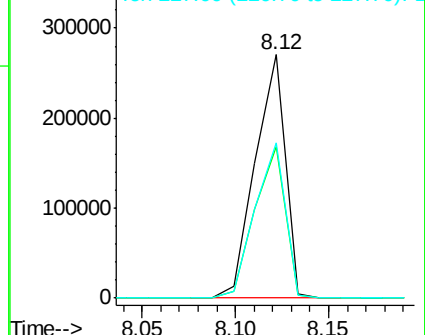
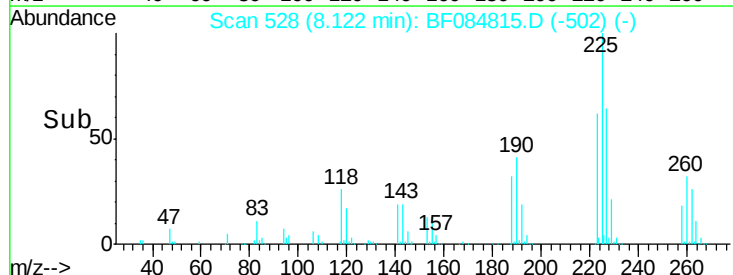


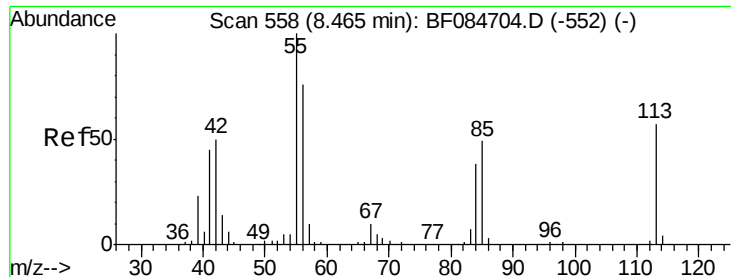
#34
Hexachlorobutadiene
Concen: 44.27 ng
RT: 8.12 min Scan# 528
Delta R.T. 0.00 min
Lab File: BF084815.D
Acq: 4 Feb 2016 5:32

Tgt Ion:	225	Resp:	300643
Ion	Ratio	Lower	Upper
225	100		
223	62.0	49.4	74.0
227	64.0	50.8	76.2



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E





#35

Caprolactam

Concen: 27.40 ng

RT: 8.44 min Scan# 556

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Instrument :

BNA_F

ClientSampleId :

SUP-B005(34-36)MSD

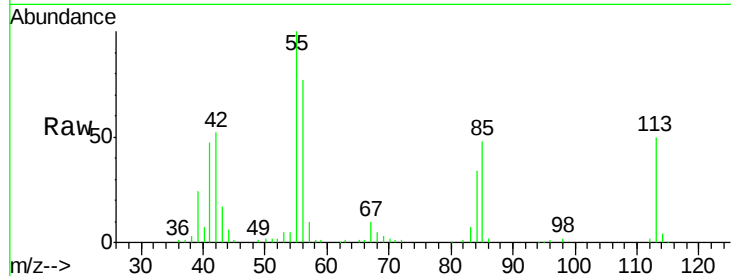
Tgt Ion:113 Resp: 88042

Ion Ratio Lower Upper

113 100

55 199.0 116.9 156.9#

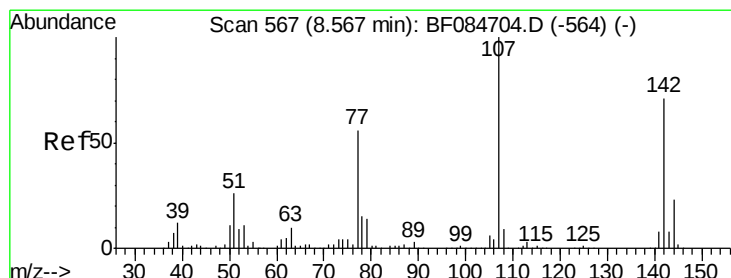
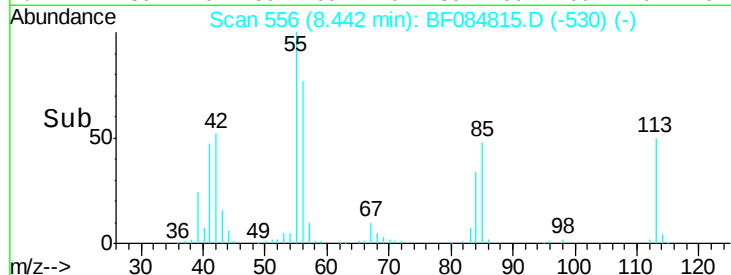
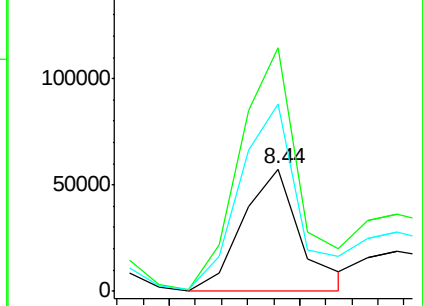
56 152.7 93.8 133.8#



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: 46.63 ng

RT: 8.56 min Scan# 566

Delta R.T. 0.01 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

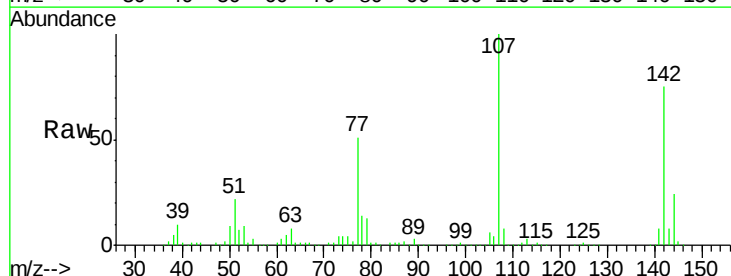
Tgt Ion:107 Resp: 554671

Ion Ratio Lower Upper

107 100

144 24.4 19.7 29.5

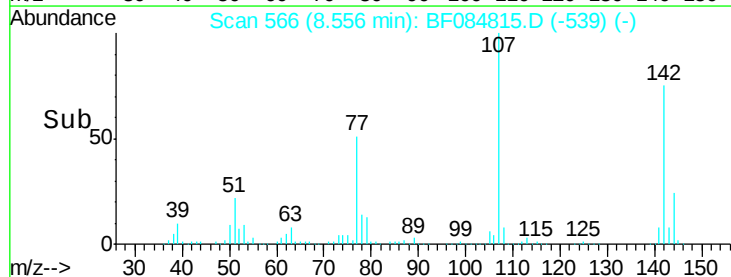
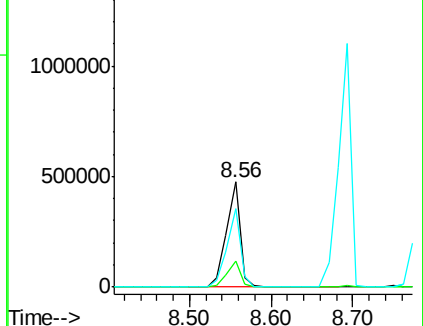
142 75.3 61.8 92.6

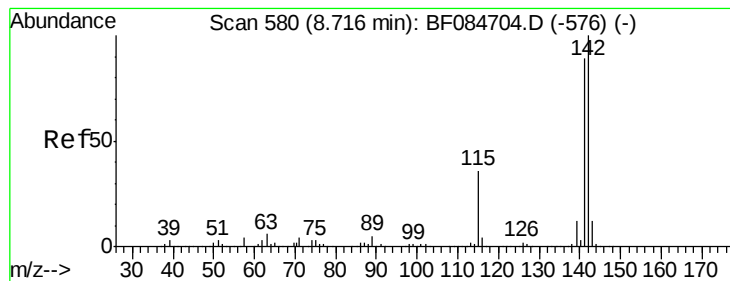


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E





#37

2-Methylnaphthalene

Concen: 51.56 ng

RT: 8.69 min Scan# 578

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Instrument :

BNA_F

ClientSampleId :

SUP-B005(34-36)MSD

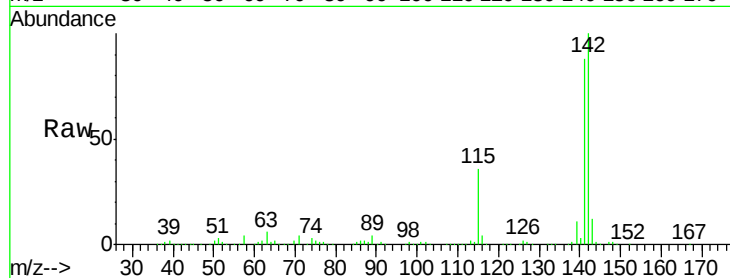
Tgt Ion:142 Resp: 1209618

Ion Ratio Lower Upper

142 100

141 88.0 72.4 108.6

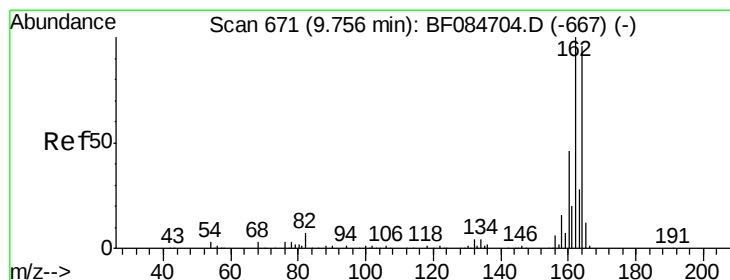
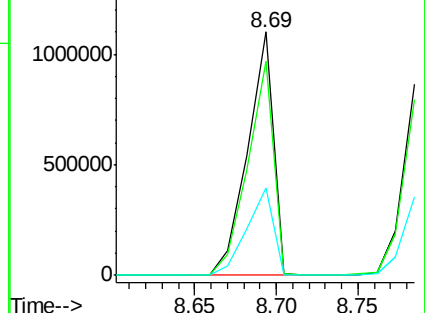
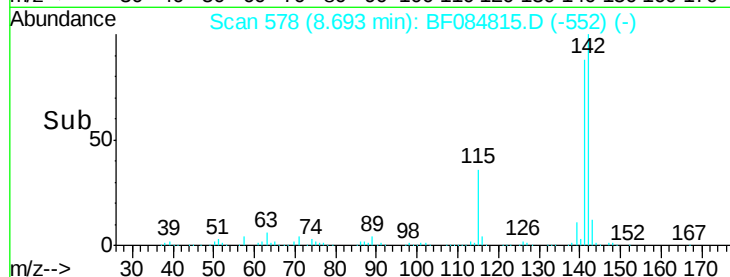
115 35.7 27.9 41.9



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: 9.73 min Scan# 669

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

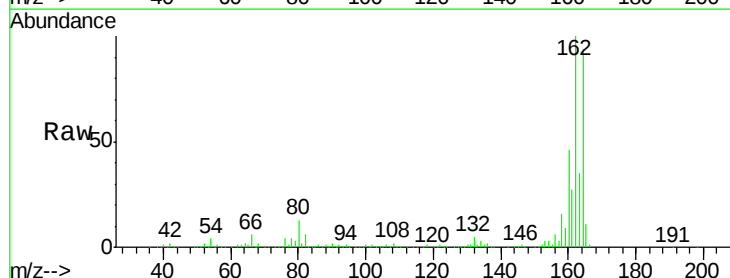
Tgt Ion:164 Resp: 351988

Ion Ratio Lower Upper

164 100

162 105.9 85.1 127.7

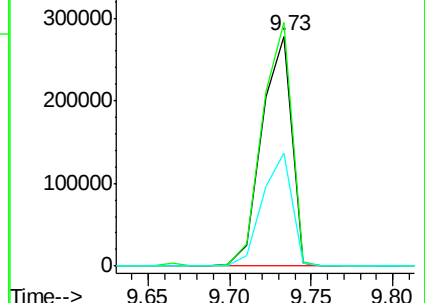
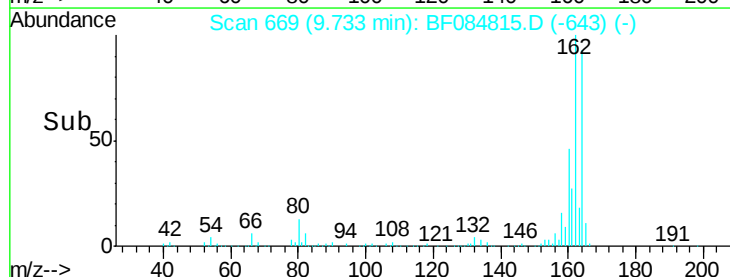
160 49.1 37.5 56.3

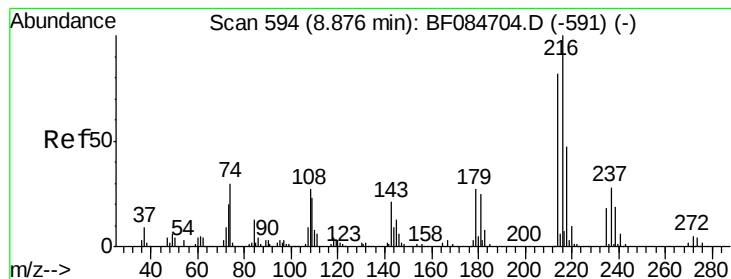


Abundance Ion 164.00 (163.70 to 164.70): E

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: 39.57 ng

RT: 8.85 min Scan# 592

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Instrument :

BNA_F

ClientSampleId :

SUP-B005(34-36)MSD

Tgt Ion:216 Resp: 442359

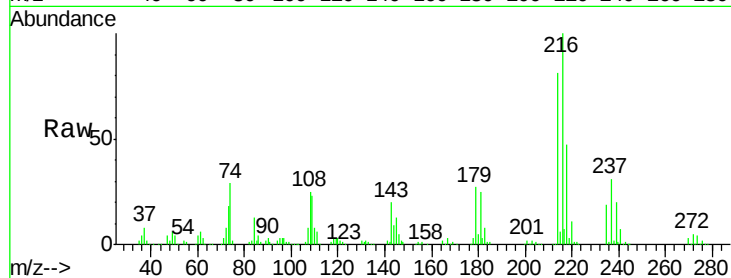
Ion Ratio Lower Upper

216 100

214 80.0 64.2 96.2

179 23.3 18.7 28.1

108 22.2 16.8 25.2

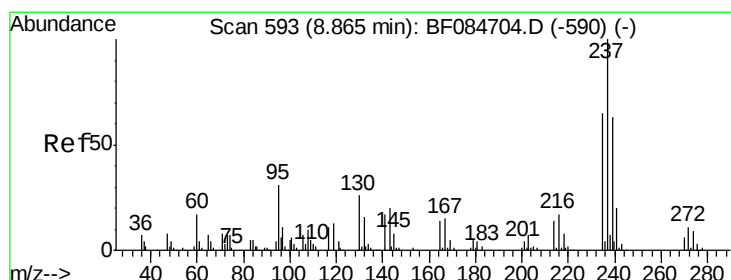
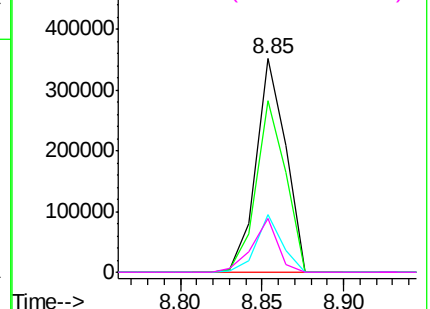
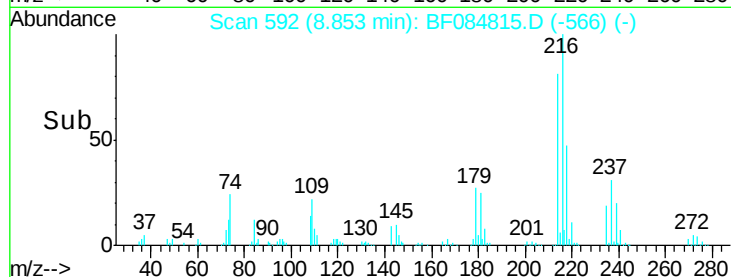


Abundance Ion 216.00 (215.70 to 216.70): E

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: 77.17 ng

RT: 8.84 min Scan# 591

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

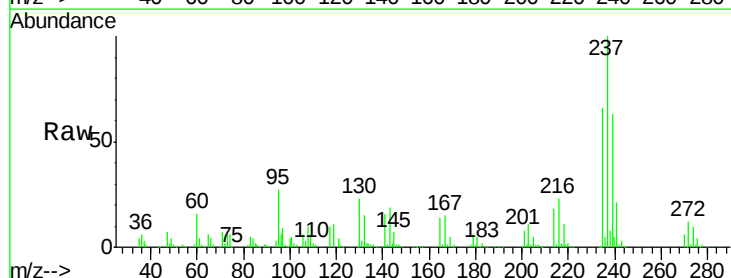
Tgt Ion:237 Resp: 375346

Ion Ratio Lower Upper

237 100

235 65.5 43.1 83.1

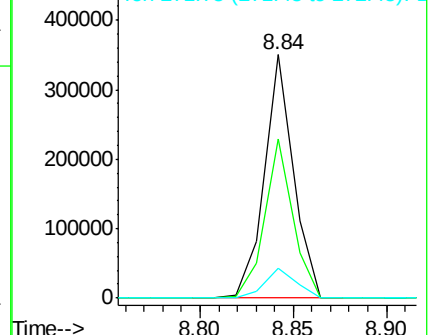
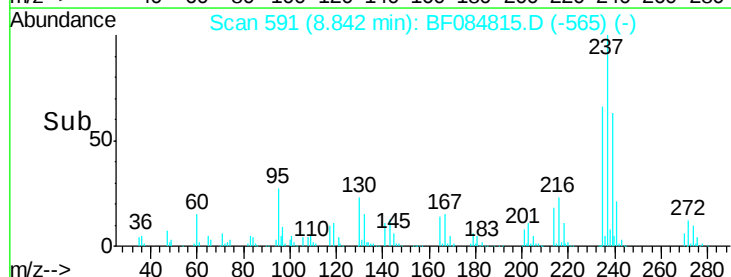
272 12.0 0.0 35.1

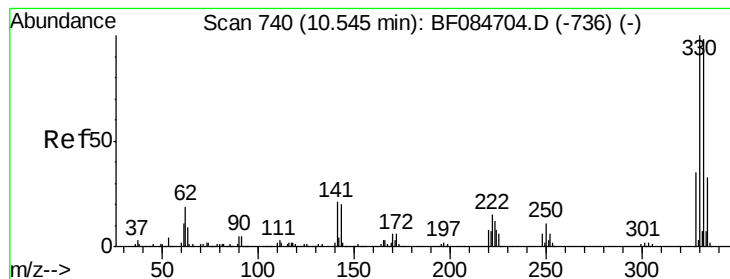


Abundance Ion 236.80 (236.50 to 237.50): E

Ion 234.90 (234.60 to 235.60): E

Ion 271.75 (271.45 to 272.45): E





#41

2,4,6-Tribromophenol

Concen: 137.92 ng

RT: 10.52 min Scan# 738

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Instrument :

BNA_F

ClientSampleId :

SUP-B005(34-36)MSD

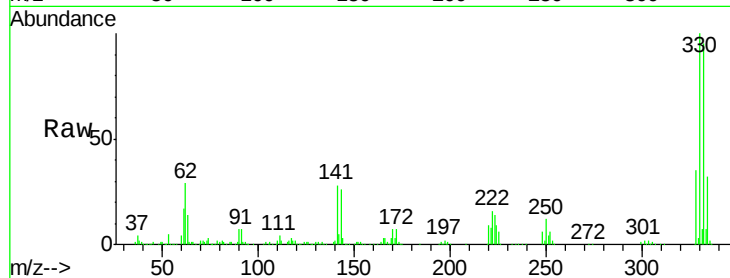
Tgt Ion:330 Resp: 506388

Ion Ratio Lower Upper

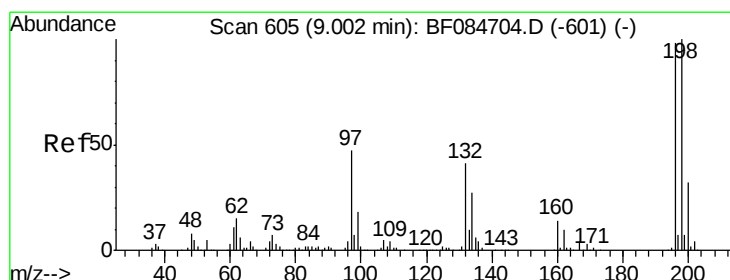
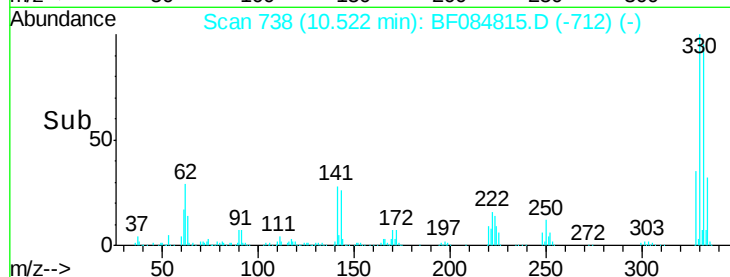
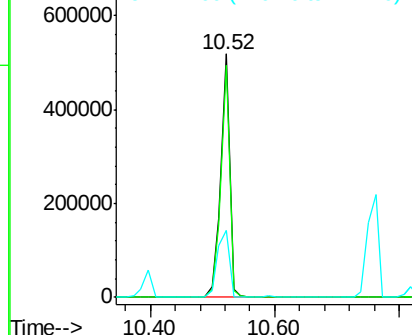
330 100

332 94.2 76.6 114.8

141 36.8 27.8 41.6



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: 51.32 ng

RT: 8.98 min Scan# 603

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

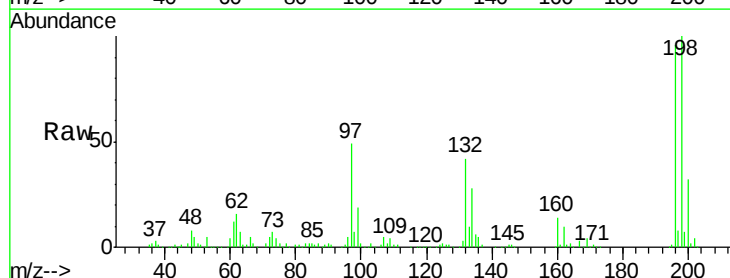
Tgt Ion:196 Resp: 369629

Ion Ratio Lower Upper

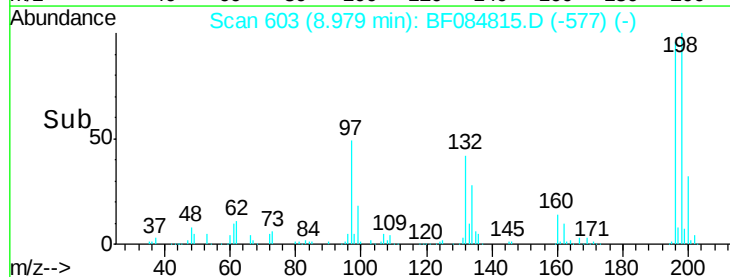
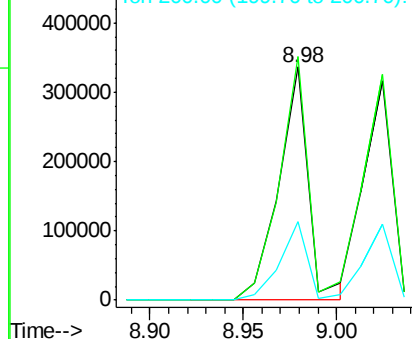
196 100

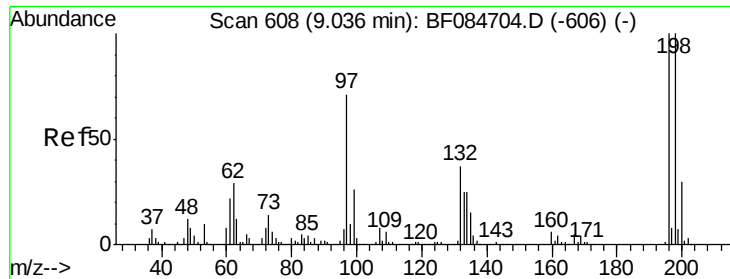
198 104.4 77.7 116.5

200 33.5 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

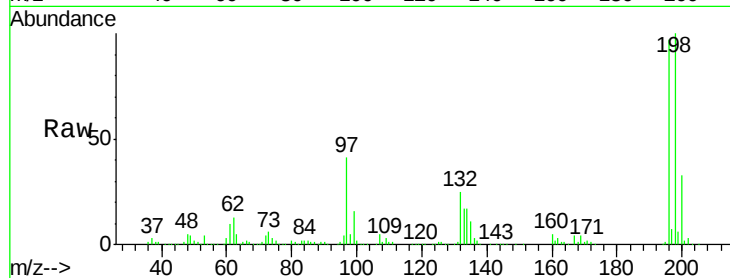




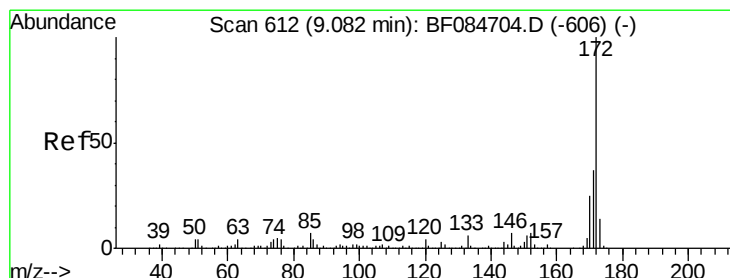
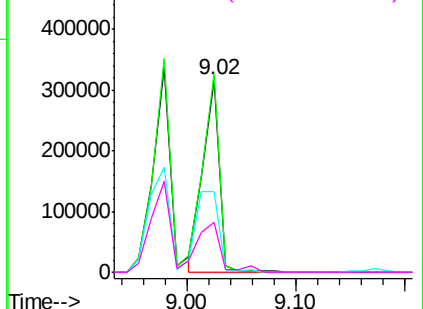
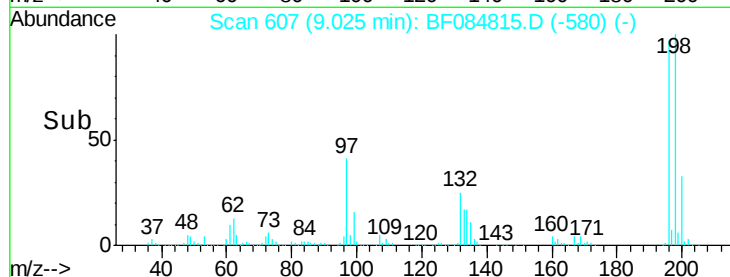
#43
 2,4,5-Trichlorophenol
 Concen: 46.05 ng
 RT: 9.02 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: BF084815.D
 Acq: 4 Feb 2016 5:32

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B005(34-36)MSD

Tgt Ion:196 Resp: 336950
 Ion Ratio Lower Upper
 196 100
 198 102.8 79.0 118.6
 97 41.7 33.0 49.6
 132 26.1 21.1 31.7

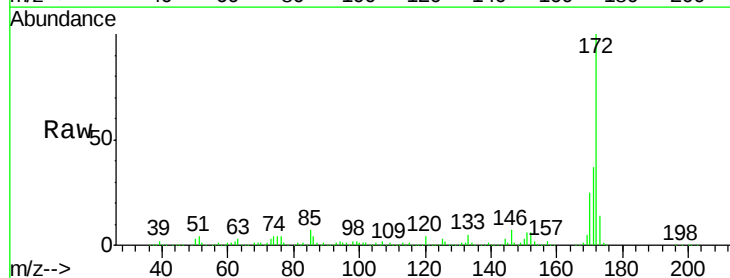


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

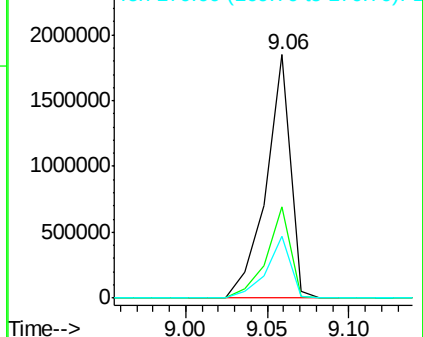
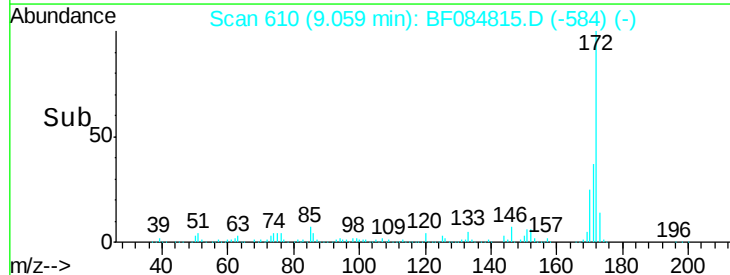


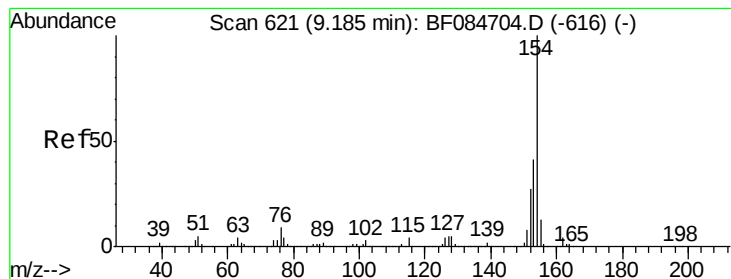
#44
 2-Fluorobiphenyl
 Concen: 96.09 ng
 RT: 9.06 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: BF084815.D
 Acq: 4 Feb 2016 5:32

Tgt Ion:172 Resp: 1920569
 Ion Ratio Lower Upper
 172 100
 171 37.3 28.9 43.3
 170 25.5 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: 43.42 ng

RT: 9.16 min Scan# 619

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Instrument :

BNA_F

ClientSampleId :

SUP-B005(34-36)MSD

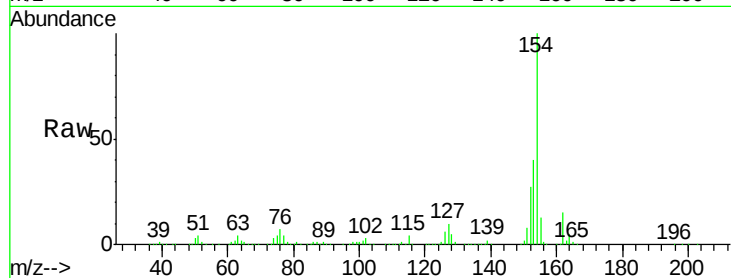
Tgt Ion:154 Resp: 1365227

Ion Ratio Lower Upper

154 100

153 40.2 21.6 61.6

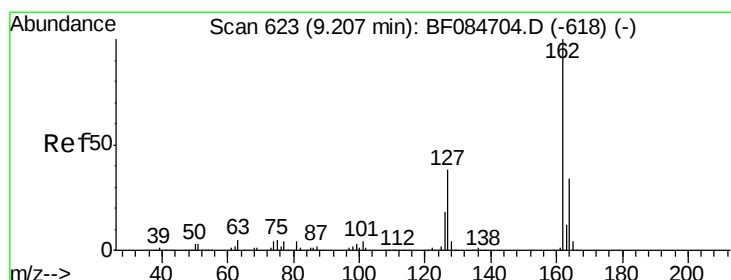
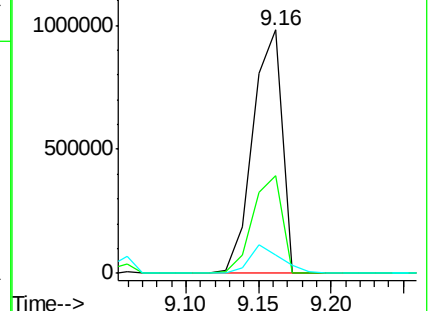
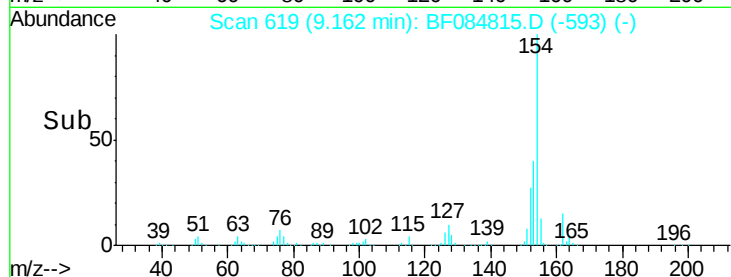
76 7.4 0.0 32.7



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: 42.30 ng

RT: 9.17 min Scan# 620

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

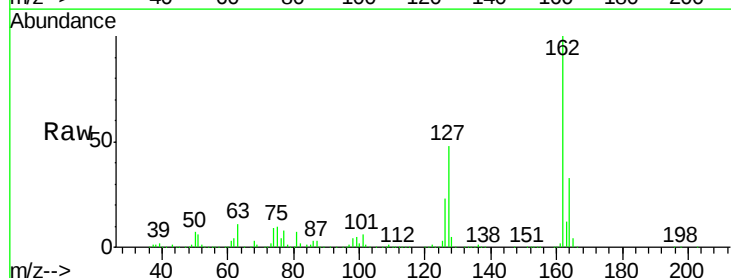
Tgt Ion:162 Resp: 979439

Ion Ratio Lower Upper

162 100

127 47.6 40.2 60.4

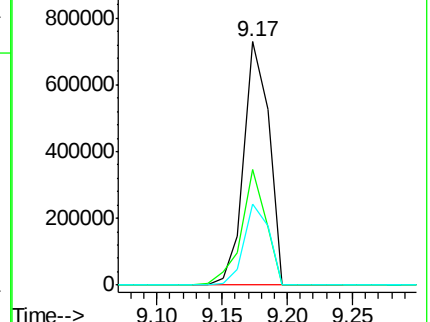
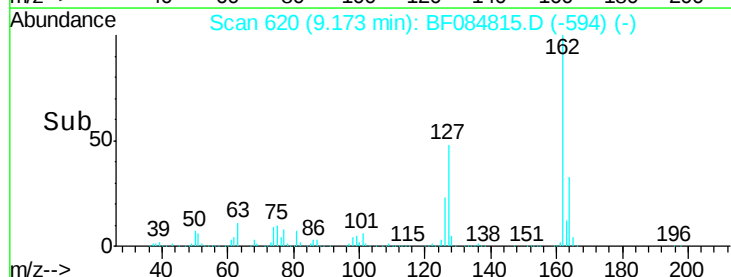
164 33.4 25.7 38.5

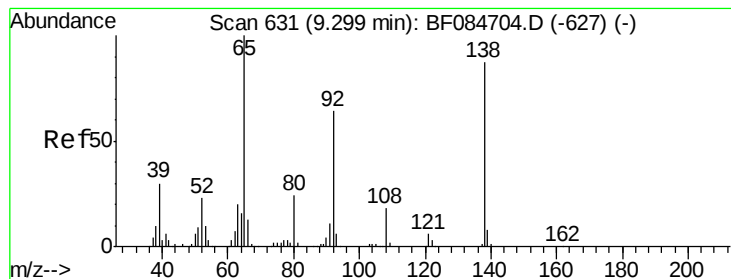


Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 44.65 ng

RT: 9.28 min Scan# 629

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Instrument :

BNA_F

ClientSampleId :

SUP-B005(34-36)MSD

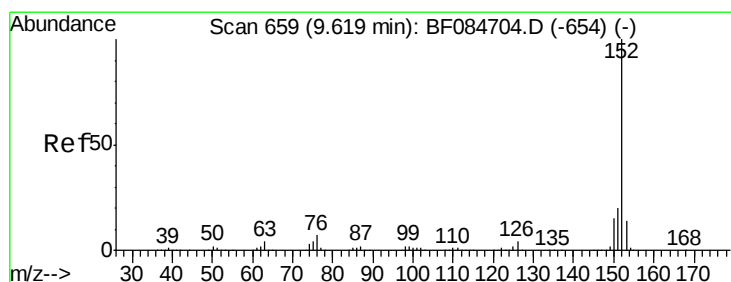
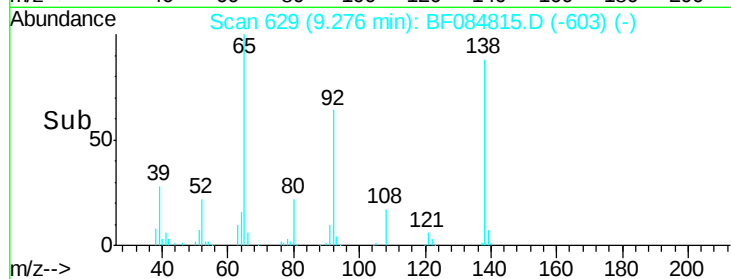
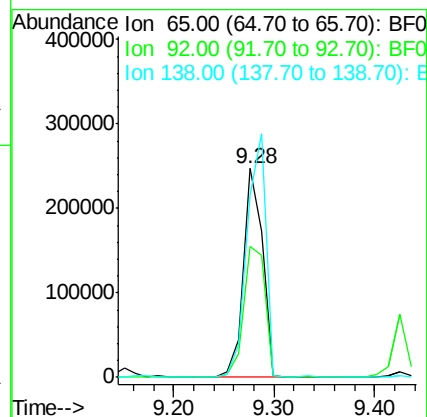
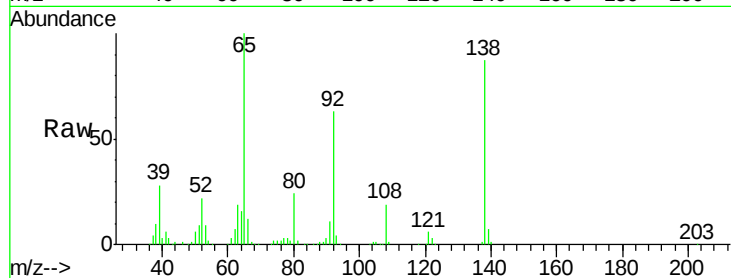
Tgt Ion: 65 Resp: 327343

Ion Ratio Lower Upper

65 100

92 63.1 53.4 80.2

138 87.2 71.1 106.7



#48

Acenaphthylene

Concen: 45.44 ng

RT: 9.60 min Scan# 657

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

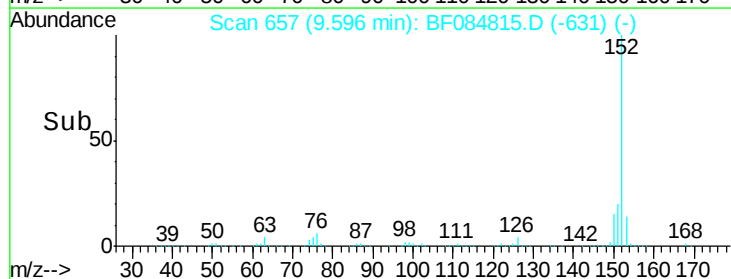
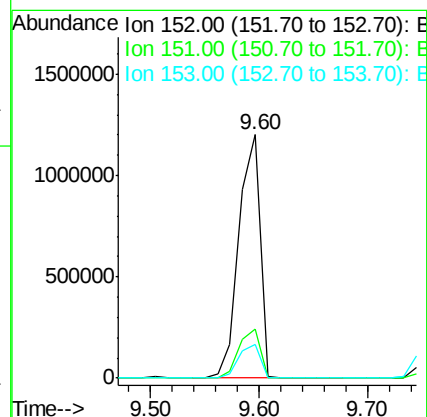
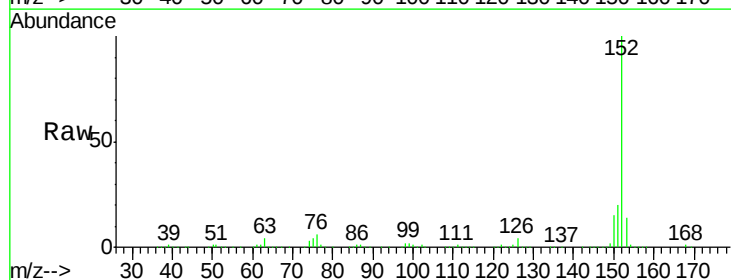
Tgt Ion: 152 Resp: 1596655

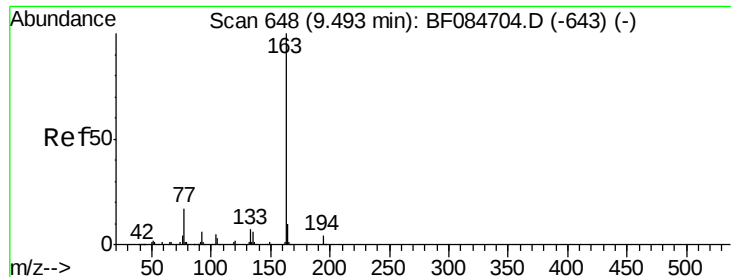
Ion Ratio Lower Upper

152 100

151 20.4 16.3 24.5

153 13.8 10.4 15.6

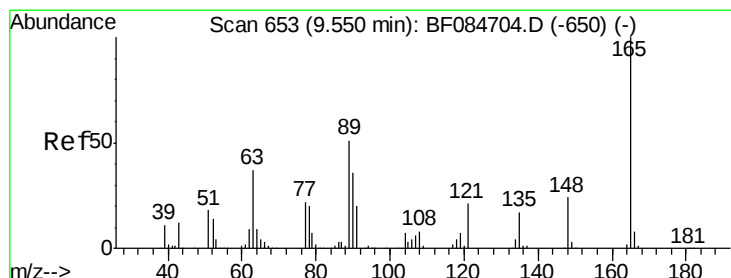
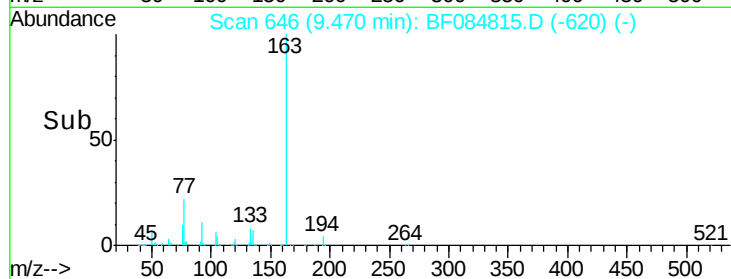
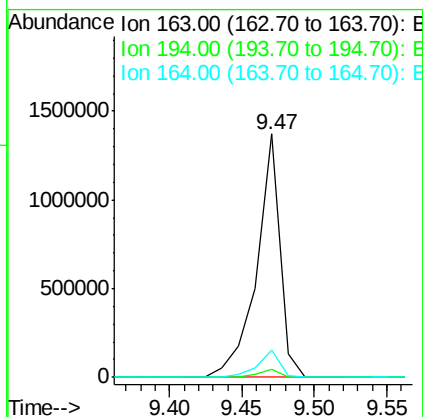
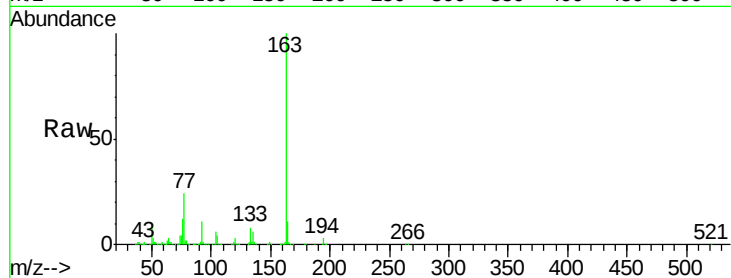




#49
Dimethylphthalate
Concen: 57.08 ng
RT: 9.47 min Scan# 646
Delta R.T. 0.00 min
Lab File: BF084815.D
Acq: 4 Feb 2016 5:32

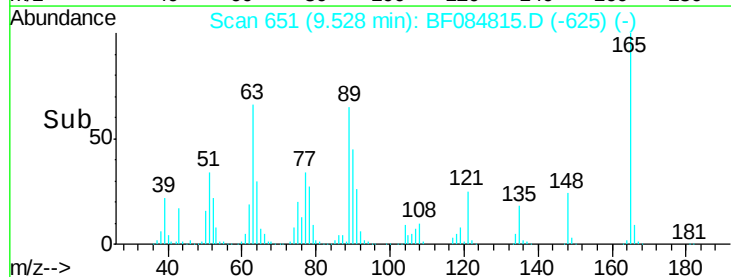
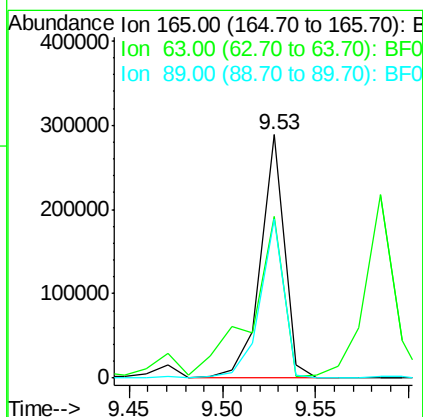
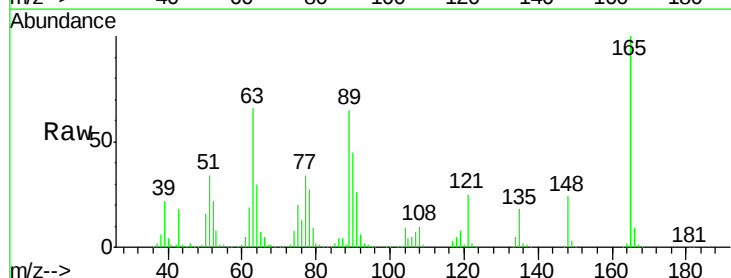
Instrument :
BNA_F
ClientSampleId :
SUP-B005(34-36)MSD

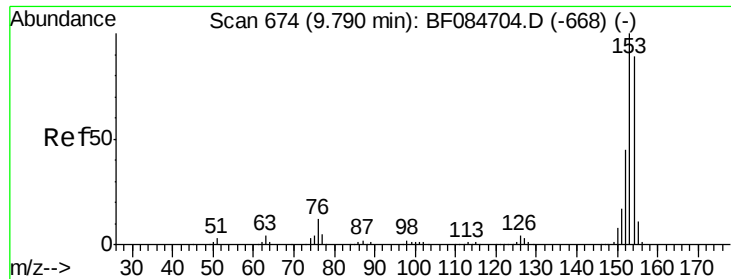
Tgt Ion:163 Resp: 1530277
Ion Ratio Lower Upper
163 100
194 3.5 8.0 12.0#
164 11.0 8.0 12.0



#50
2,6-Dinitrotoluene
Concen: 43.59 ng
RT: 9.53 min Scan# 651
Delta R.T. 0.00 min
Lab File: BF084815.D
Acq: 4 Feb 2016 5:32

Tgt Ion:165 Resp: 255303
Ion Ratio Lower Upper
165 100
63 66.2 28.8 43.2#
89 65.2 35.1 52.7#





#51

Acenaphthene

Concen: 43.58 ng

RT: 9.77 min Scan# 672

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Instrument :

BNA_F

ClientSampleId :

SUP-B005(34-36)MSD

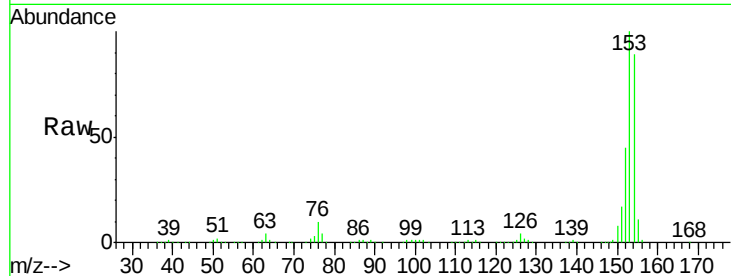
Tgt Ion:154 Resp: 996198

Ion Ratio Lower Upper

154 100

153 112.3 91.5 137.3

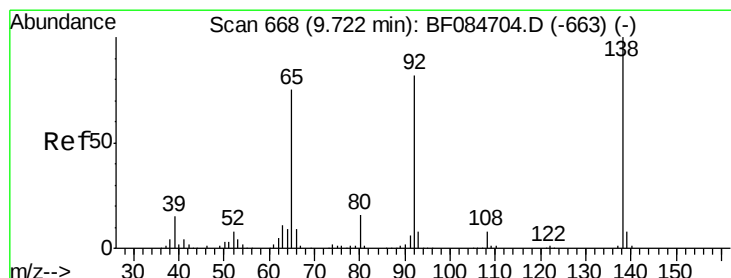
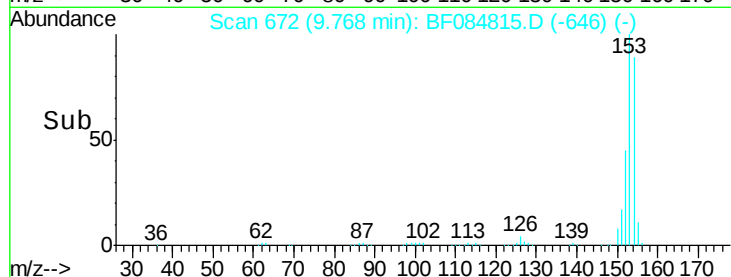
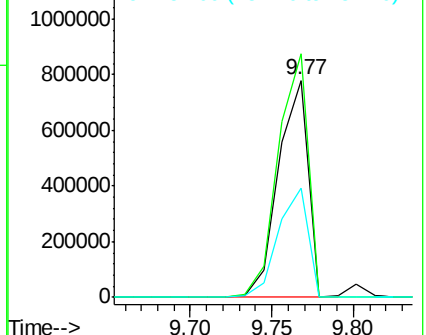
152 50.6 43.0 64.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#52

3-Nitroaniline

Concen: 25.15 ng

RT: 9.69 min Scan# 665

Delta R.T. -0.01 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

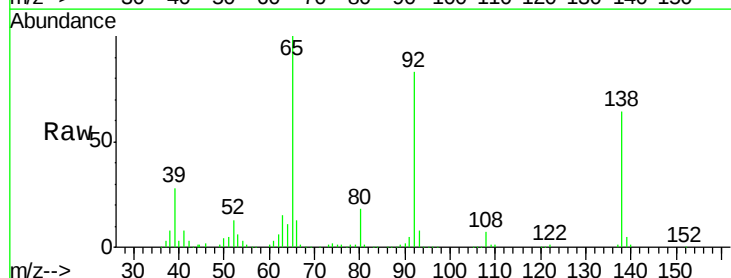
Tgt Ion:138 Resp: 165482

Ion Ratio Lower Upper

138 100

108 11.6 10.5 15.7

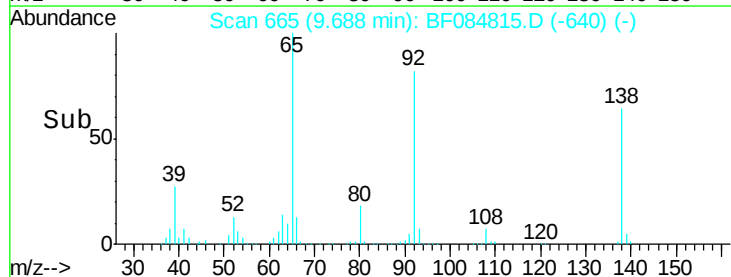
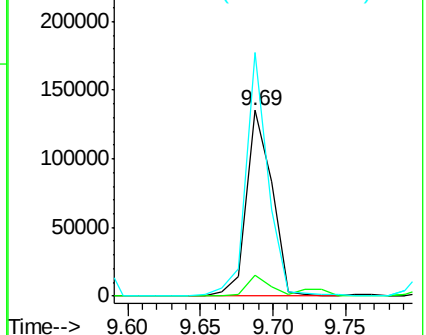
92 130.9 103.9 155.9

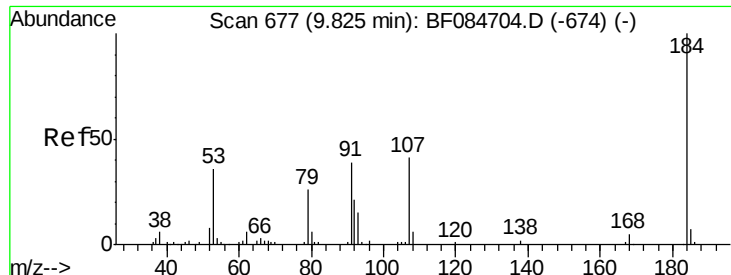


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

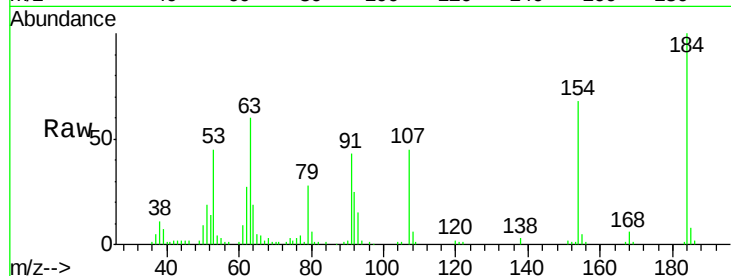




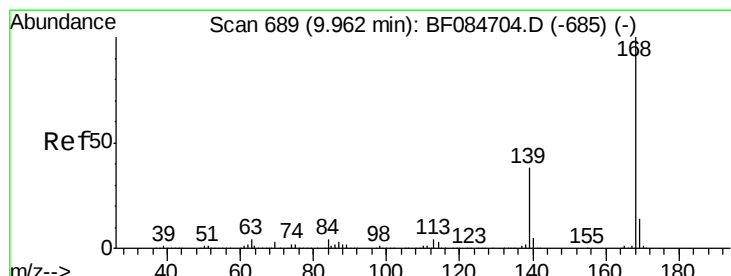
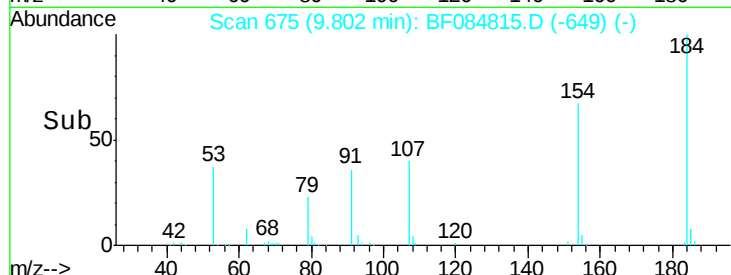
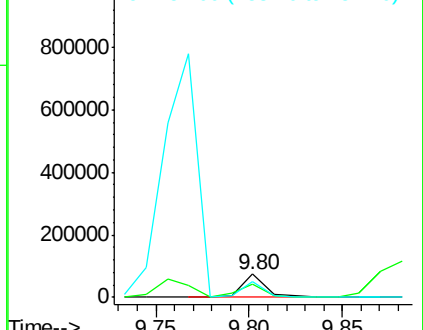
#53
 2,4-Dinitrophenol
 Concen: 28.46 ng
 RT: 9.80 min Scan# 675
 Delta R.T. 0.00 min
 Lab File: BF084815.D
 Acq: 4 Feb 2016 5:32

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B005(34-36)MSD

Tgt Ion:184 Resp: 66038
 Ion Ratio Lower Upper
 184 100
 63 59.6 43.1 64.7
 154 67.5 60.5 90.7

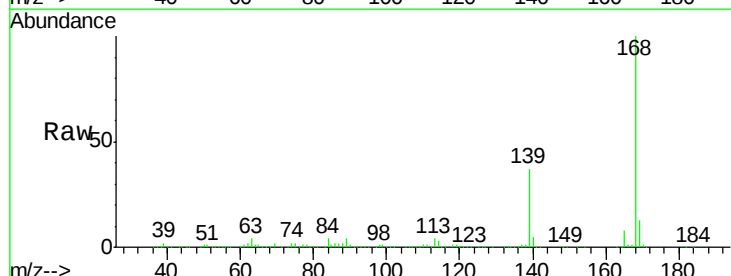


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

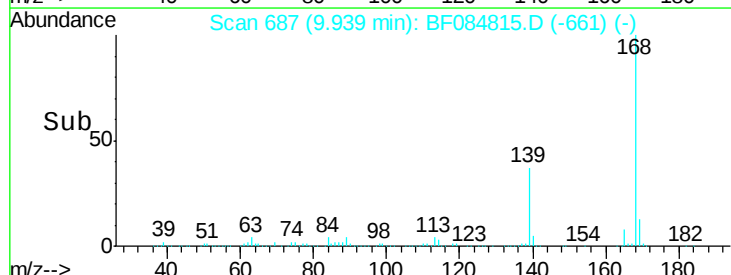
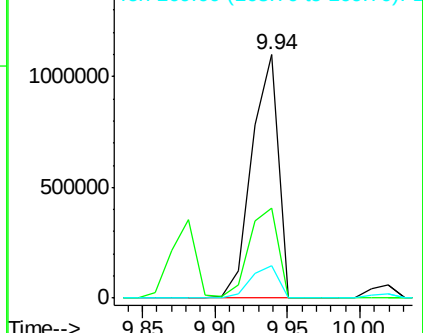


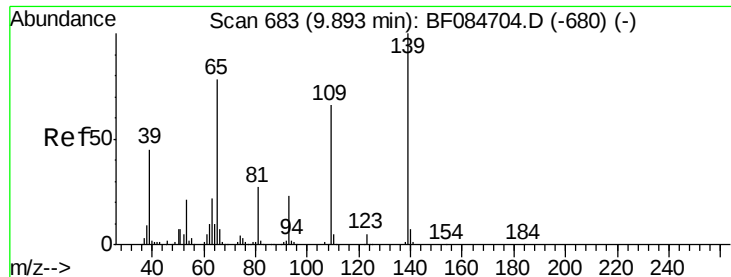
#54
 Dibenzofuran
 Concen: 49.59 ng
 RT: 9.94 min Scan# 687
 Delta R.T. 0.00 min
 Lab File: BF084815.D
 Acq: 4 Feb 2016 5:32

Tgt Ion:168 Resp: 1385467
 Ion Ratio Lower Upper
 168 100
 139 37.0 30.5 45.7
 169 13.2 10.4 15.6



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

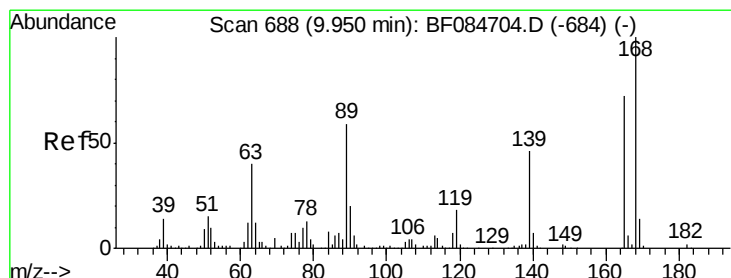
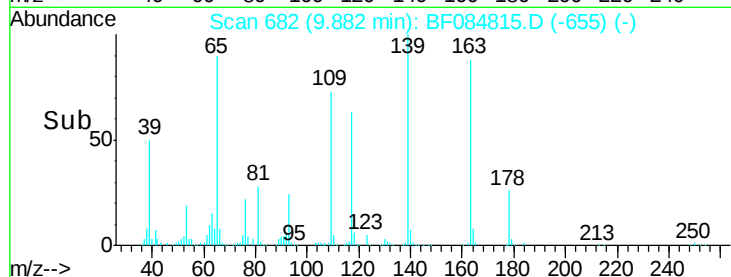
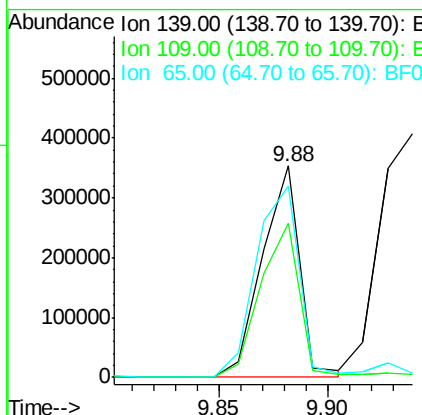
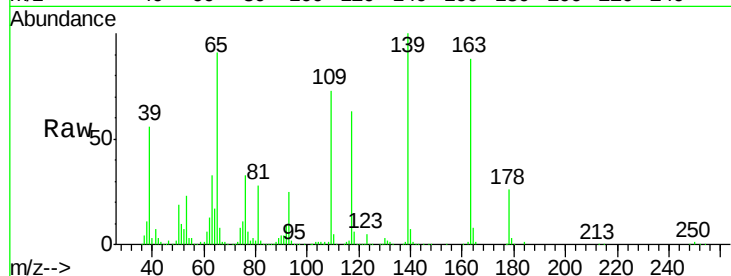




#55
4-Nitrophenol
Concen: 87.65 ng
RT: 9.88 min Scan# 682
Delta R.T. 0.01 min
Lab File: BF084815.D
Acq: 4 Feb 2016 5:32

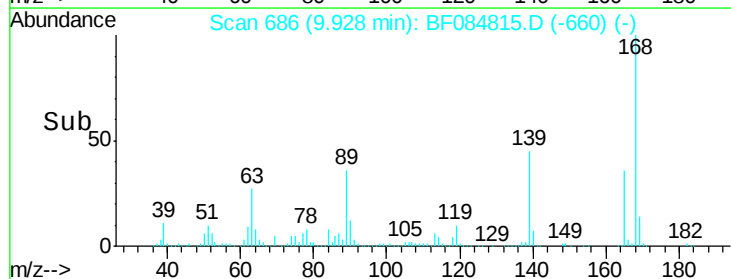
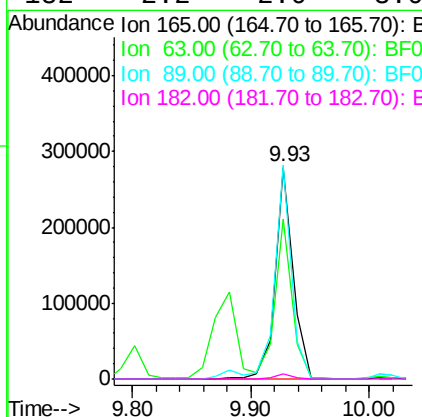
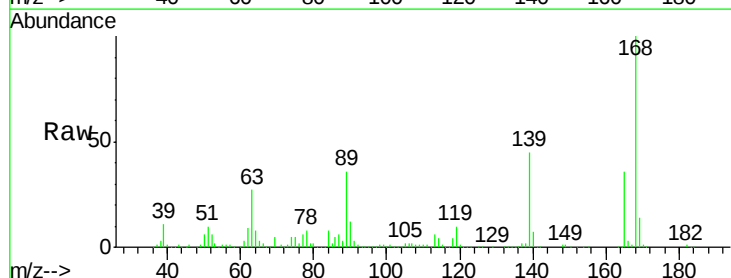
Instrument :
BNA_F
ClientSampleId :
SUP-B005(34-36)MSD

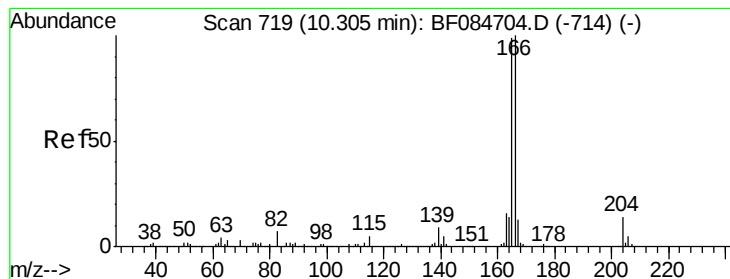
Tgt Ion:139 Resp: 423924
Ion Ratio Lower Upper
139 100
109 72.9 58.5 98.5
65 90.5 57.6 97.6



#56
2,4-Dinitrotoluene
Concen: 39.16 ng
RT: 9.93 min Scan# 686
Delta R.T. 0.00 min
Lab File: BF084815.D
Acq: 4 Feb 2016 5:32

Tgt Ion:165 Resp: 292538
Ion Ratio Lower Upper
165 100
63 75.5 36.7 55.1#
89 100.9 61.9 92.9#
182 2.2 2.0 3.0





#57

Fluorene

Concen: 44.95 ng

RT: 10.28 min Scan# 717

Delta R.T. 0.01 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Instrument :

BNA_F

ClientSampleId :

SUP-B005(34-36)MSD

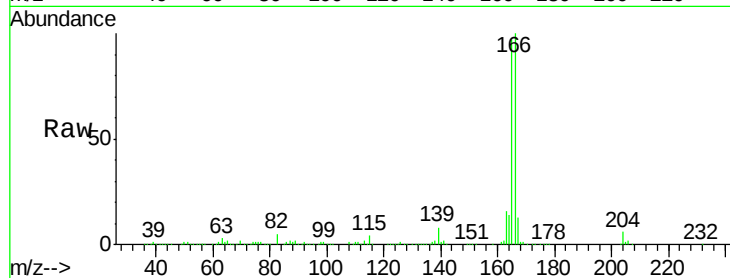
Tgt Ion:166 Resp: 1048614

Ion Ratio Lower Upper

166 100

165 97.4 79.1 118.7

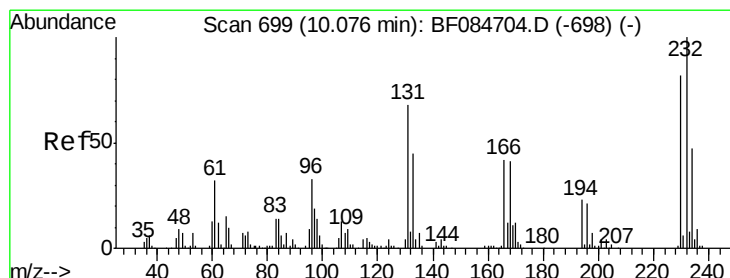
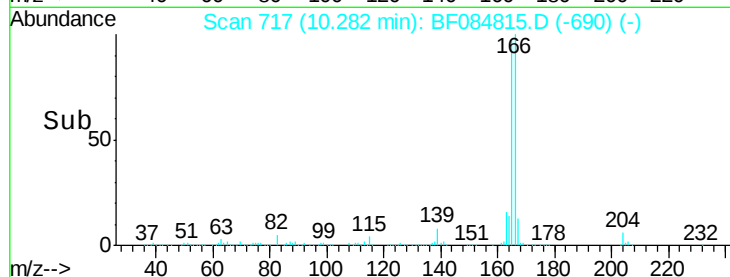
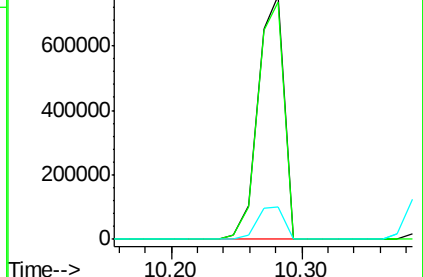
167 13.2 10.4 15.6



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: 46.99 ng

RT: 10.05 min Scan# 697

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Tgt Ion:232 Resp: 261765

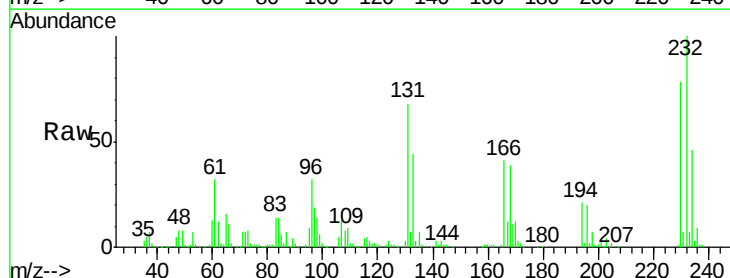
Ion Ratio Lower Upper

232 100

131 52.9 47.0 70.6

130 2.3 2.0 3.0

166 33.2 30.5 45.7

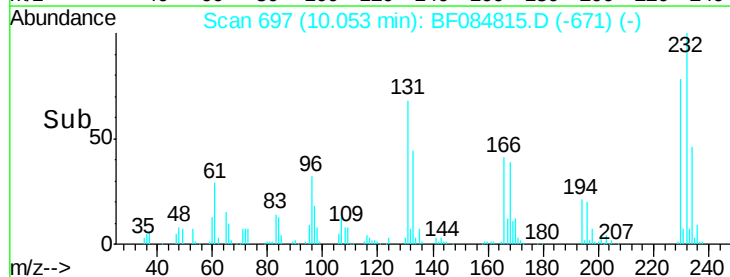
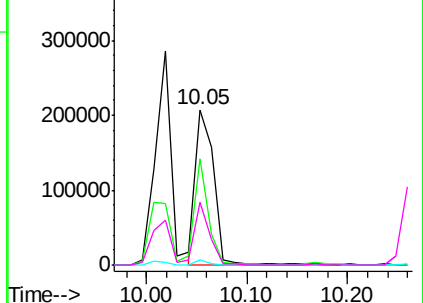


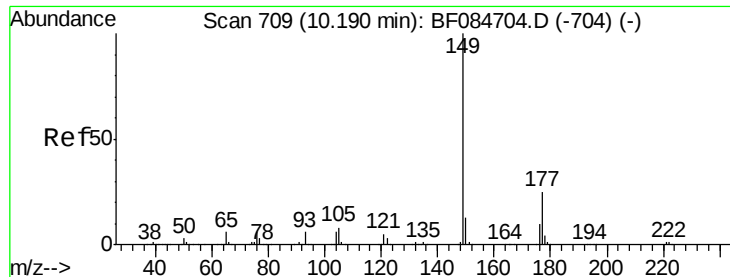
Abundance Ion 232.00 (231.70 to 232.70): E

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

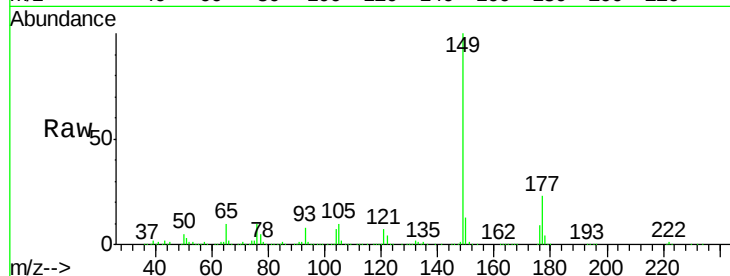




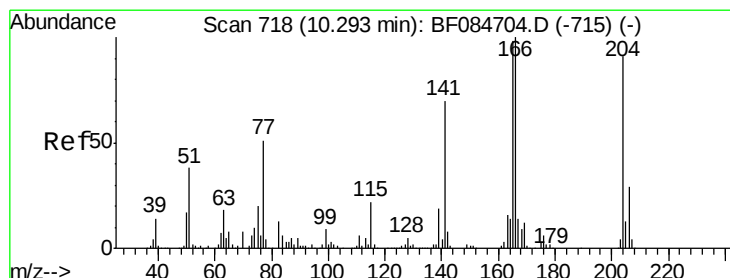
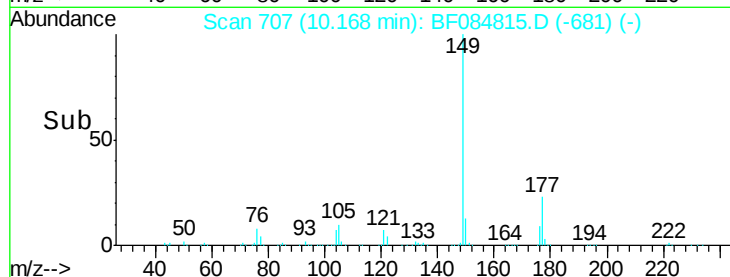
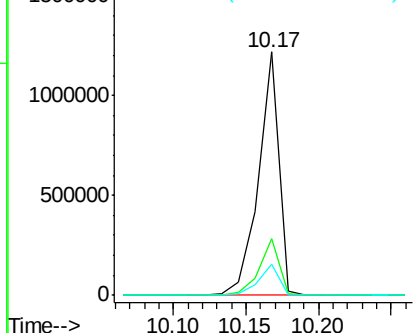
#59
Diethylphthalate
Concen: 45.63 ng
RT: 10.17 min Scan# 707
Delta R.T. 0.00 min
Lab File: BF084815.D
Acq: 4 Feb 2016 5:32

Instrument :
BNA_F
ClientSampleId :
SUP-B005(34-36)MSD

Tgt Ion:149 Resp: 1194489
Ion Ratio Lower Upper
149 100
177 23.3 17.3 25.9
150 12.8 9.8 14.8

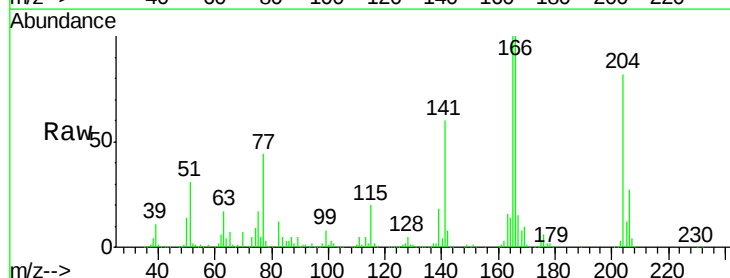


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

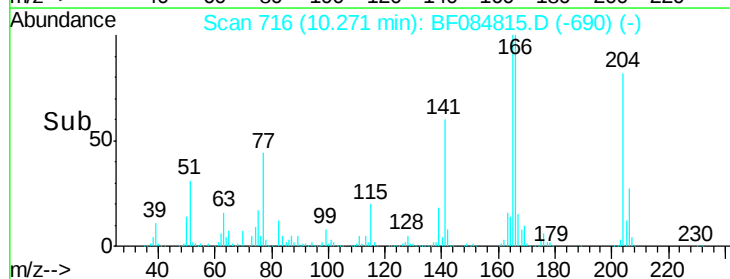
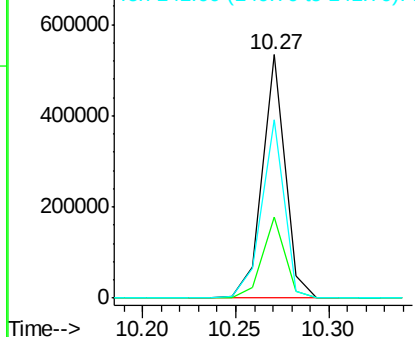


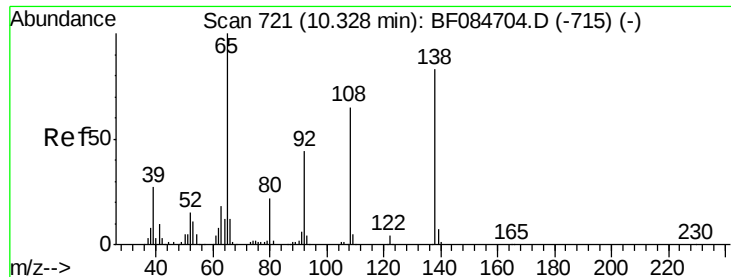
#60
4-Chlorophenyl-phenylether
Concen: 46.11 ng
RT: 10.27 min Scan# 716
Delta R.T. 0.00 min
Lab File: BF084815.D
Acq: 4 Feb 2016 5:32

Tgt Ion:204 Resp: 450195
Ion Ratio Lower Upper
204 100
206 33.4 25.7 38.5
141 73.4 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

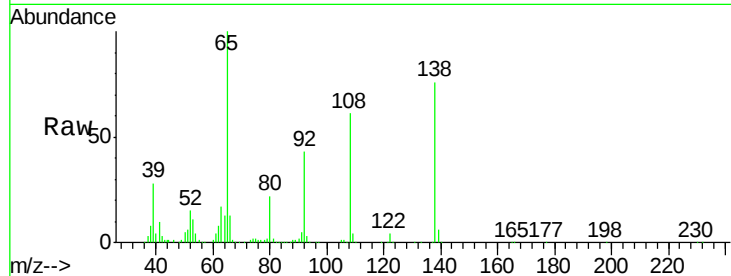




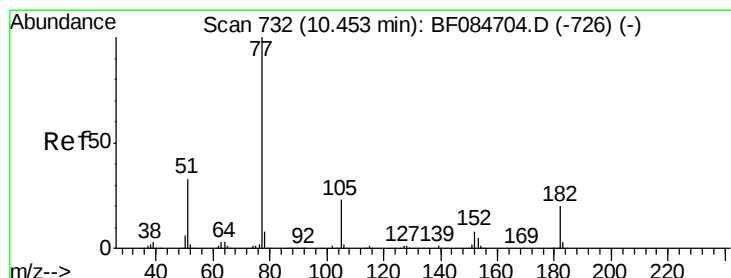
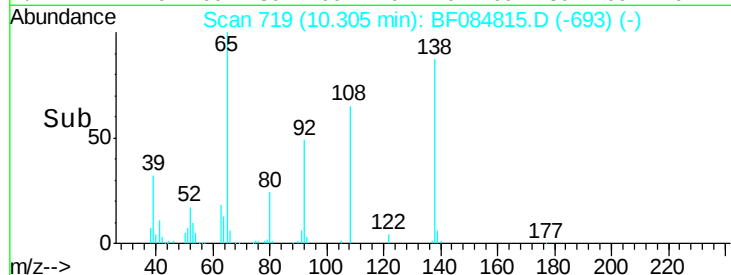
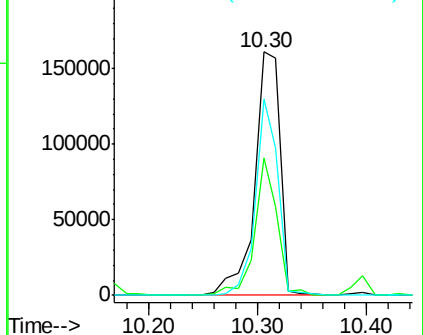
#61
4-Nitroaniline
Concen: 41.64 ng
RT: 10.30 min Scan# 719
Delta R.T. 0.00 min
Lab File: BF084815.D
Acq: 4 Feb 2016 5:32

Instrument :
BNA_F
ClientSampleId :
SUP-B005(34-36)MSD

Tgt Ion:138 Resp: 267026
Ion Ratio Lower Upper
138 100
92 56.5 32.6 72.6
108 80.7 68.6 108.6

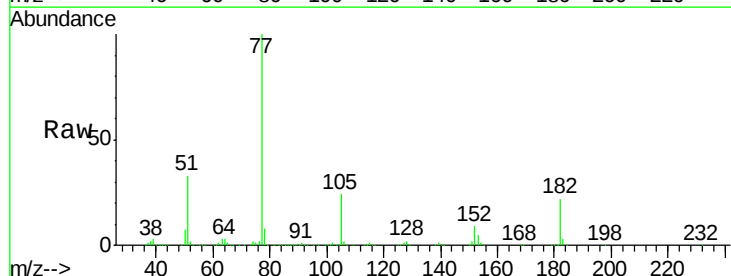


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF0
Ion 108.00 (107.70 to 108.70): E

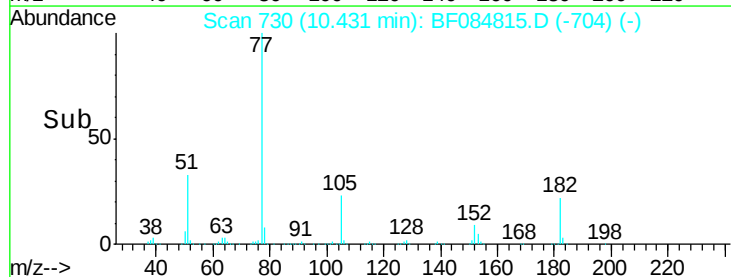
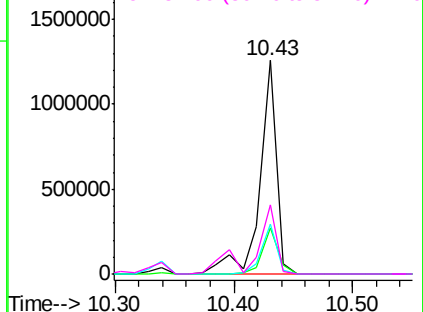


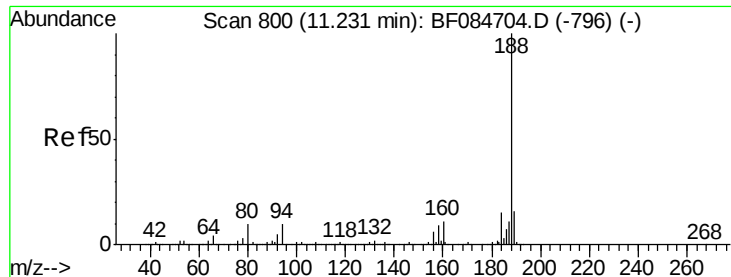
#62
Azobenzene
Concen: 49.24 ng
RT: 10.43 min Scan# 730
Delta R.T. 0.00 min
Lab File: BF084815.D
Acq: 4 Feb 2016 5:32

Tgt Ion: 77 Resp: 1239397
Ion Ratio Lower Upper
77 100
182 21.6 8.3 48.3
105 23.5 4.6 44.6
51 32.6 6.2 46.2



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF0

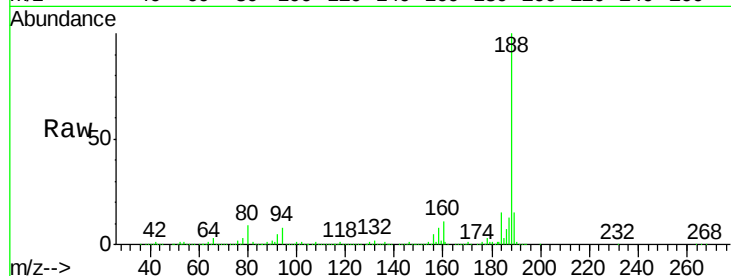




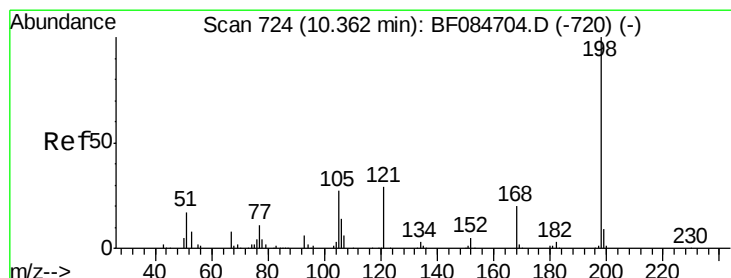
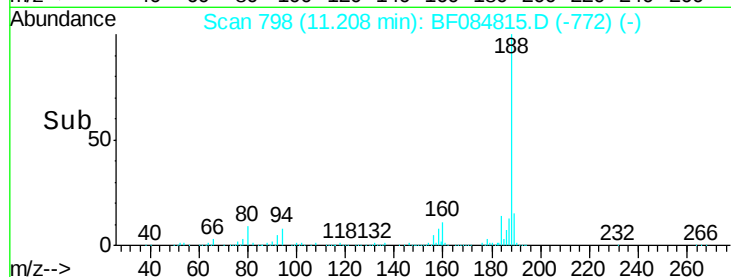
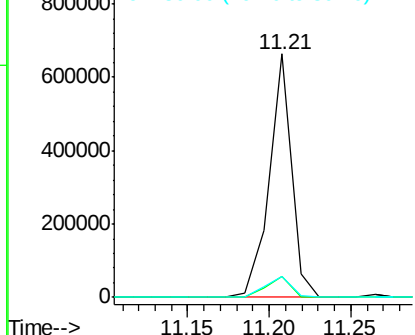
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.21 min Scan# 798
Delta R.T. 0.00 min
Lab File: BF084815.D
Acq: 4 Feb 2016 5:32

Instrument :
BNA_F
ClientSampleId :
SUP-B005(34-36)MSD

Tgt Ion:188 Resp: 633237
Ion Ratio Lower Upper
188 100
94 8.4 9.0 13.4#
80 8.6 9.6 14.4#

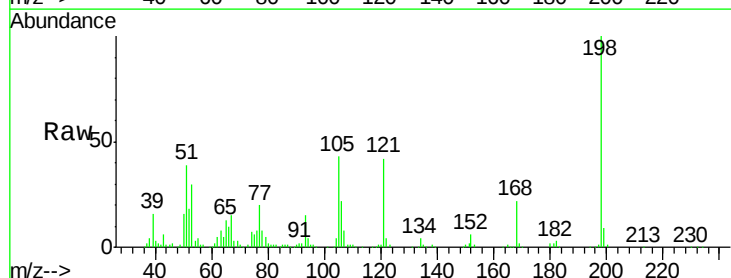


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

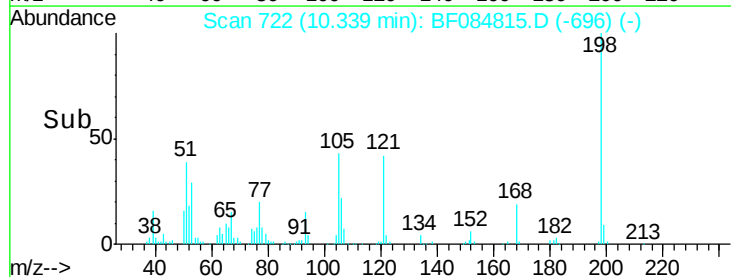
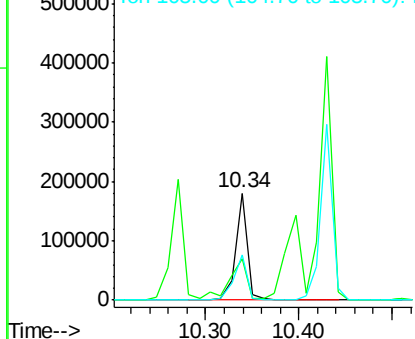


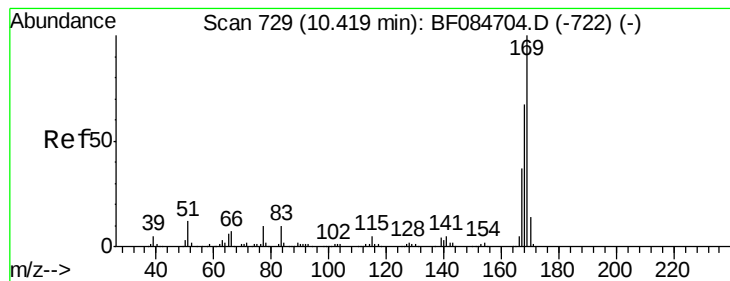
#64
4,6-Dinitro-2-methylphenol
Concen: 40.74 ng
RT: 10.34 min Scan# 722
Delta R.T. 0.00 min
Lab File: BF084815.D
Acq: 4 Feb 2016 5:32

Tgt Ion:198 Resp: 159234
Ion Ratio Lower Upper
198 100
51 38.8 18.9 58.9
105 42.8 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: 48.91 ng

RT: 10.40 min Scan# 727

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Instrument :

BNA_F

ClientSampleId :

SUP-B005(34-36)MSD

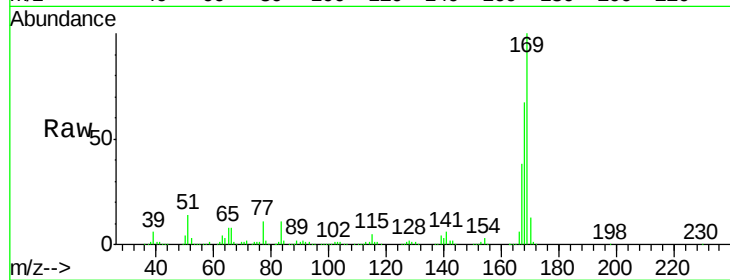
Tgt Ion:169 Resp: 983418

Ion Ratio Lower Upper

169 100

168 67.3 55.1 82.7

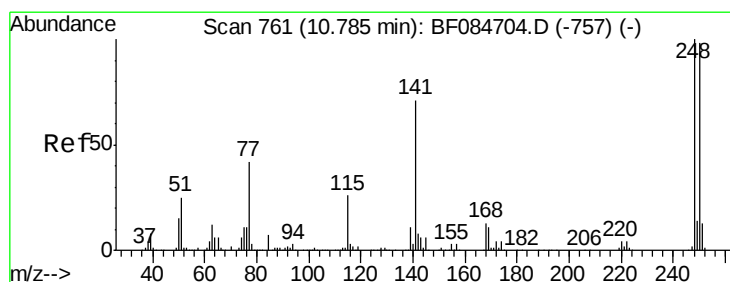
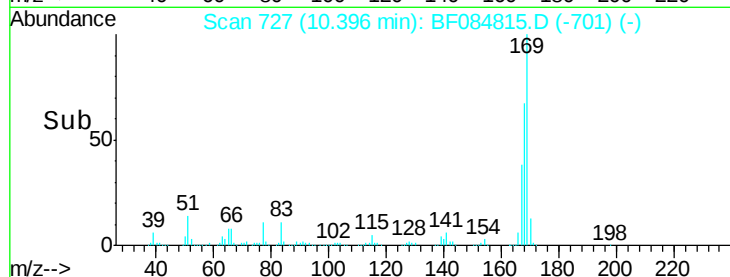
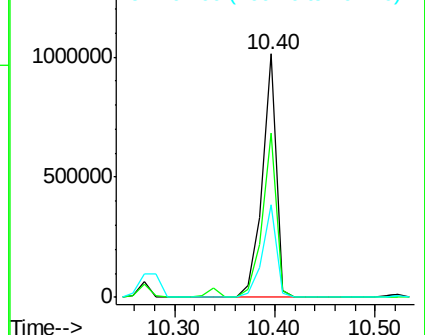
167 37.9 30.0 45.0



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E



#66

4-Bromophenyl-phenylether

Concen: 48.00 ng

RT: 10.76 min Scan# 759

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

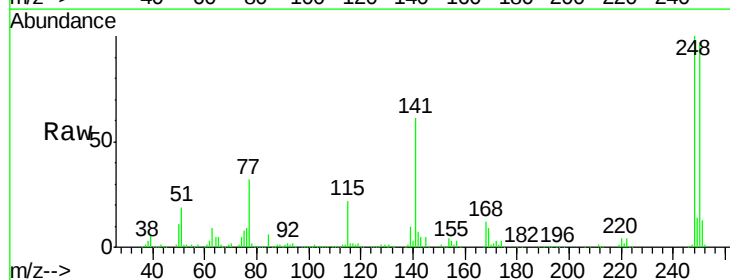
Tgt Ion:248 Resp: 335714

Ion Ratio Lower Upper

248 100

250 96.6 78.4 117.6

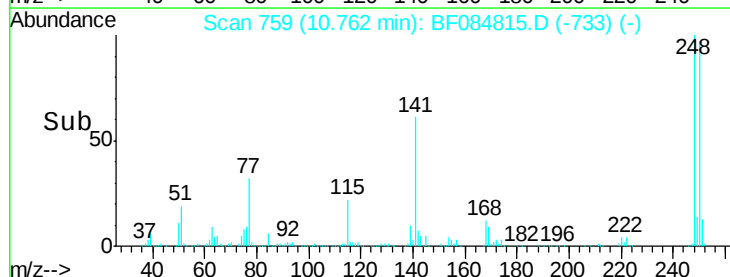
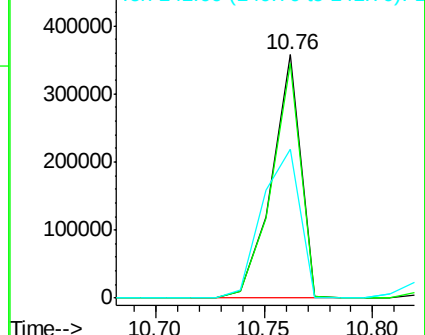
141 61.0 44.0 66.0

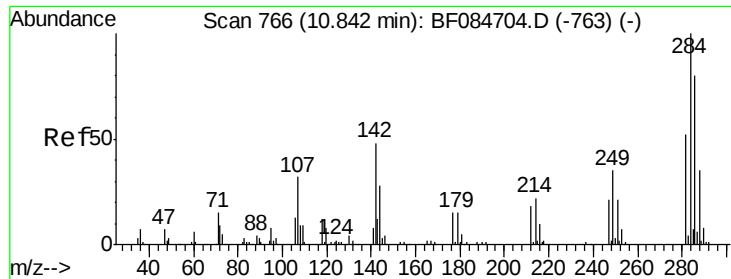


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

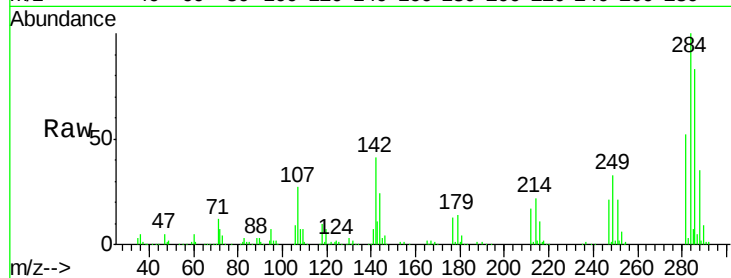




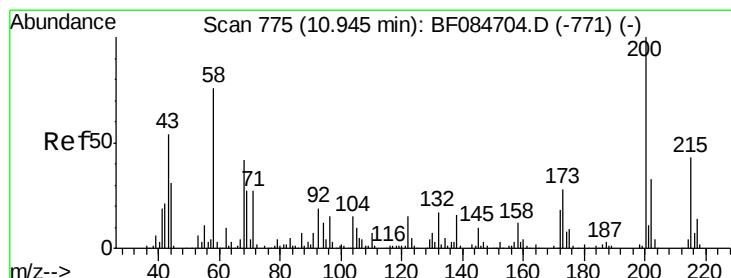
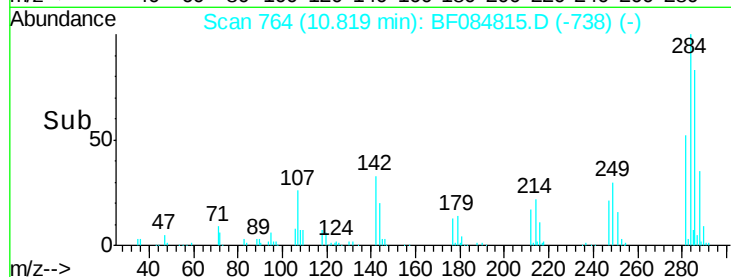
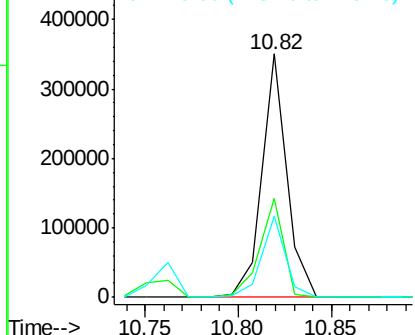
#67
Hexachlorobenzene
Concen: 42.98 ng
RT: 10.82 min Scan# 764
Delta R.T. 0.00 min
Lab File: BF084815.D
Acq: 4 Feb 2016 5:32

Instrument :
BNA_F
ClientSampleId :
SUP-B005(34-36)MSD

Tgt Ion: 284 Resp: 327532
Ion Ratio Lower Upper
284 100
142 40.5 22.2 33.4#
249 33.2 24.6 37.0

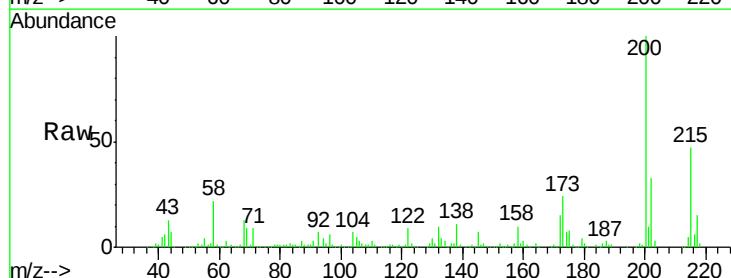


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

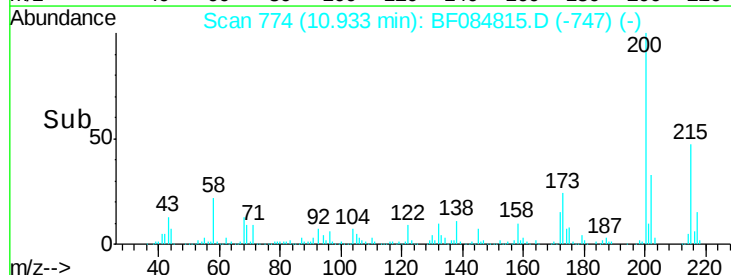
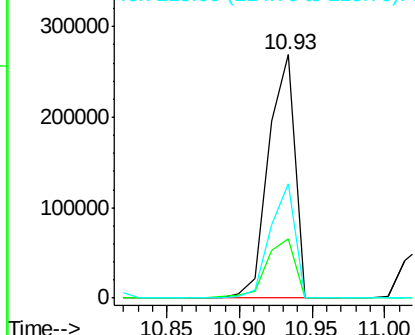


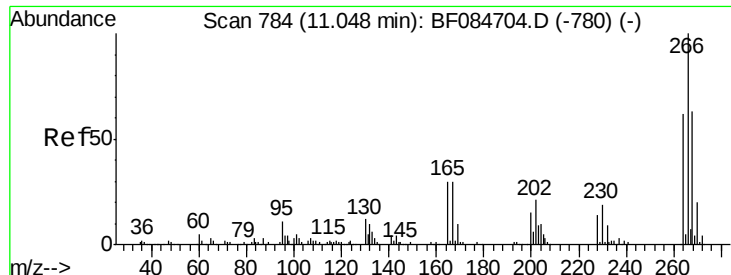
#68
Atrazine
Concen: 53.26 ng
RT: 10.93 min Scan# 774
Delta R.T. 0.01 min
Lab File: BF084815.D
Acq: 4 Feb 2016 5:32

Tgt Ion: 200 Resp: 338200
Ion Ratio Lower Upper
200 100
173 24.4 9.5 49.5
215 47.1 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

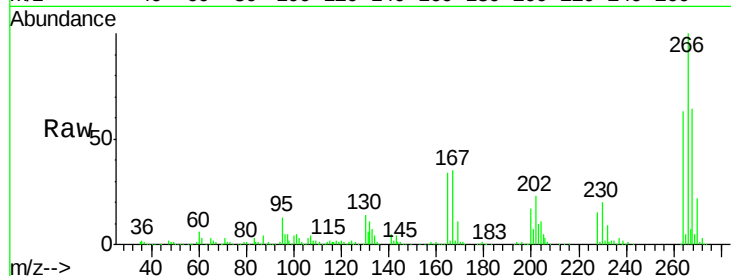




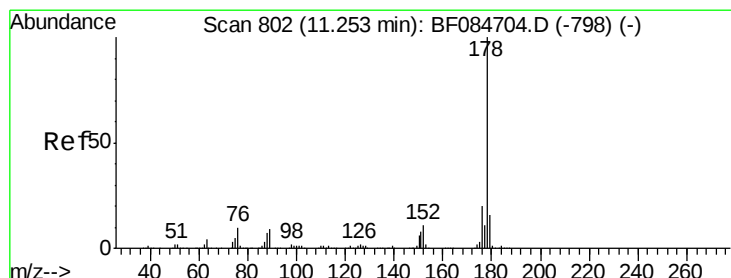
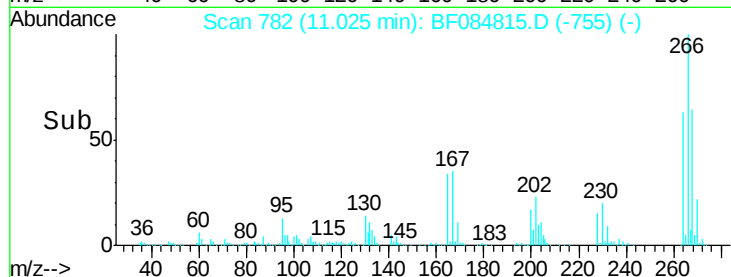
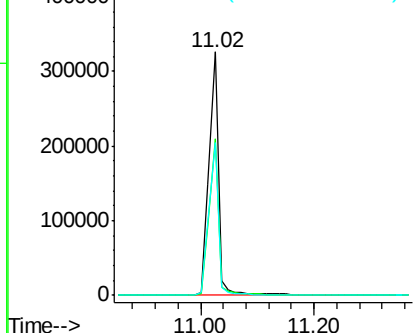
#69
 Pentachlorophenol
 Concen: 102.13 ng
 RT: 11.02 min Scan# 782
 Delta R.T. 0.01 min
 Lab File: BF084815.D
 Acq: 4 Feb 2016 5:32

Instrument :
 BNA_F
 ClientSampleId :
 SUP-B005(34-36)MSD

Tgt Ion:266 Resp: 365791
 Ion Ratio Lower Upper
 266 100
 268 64.4 52.4 78.6
 264 62.9 50.2 75.2

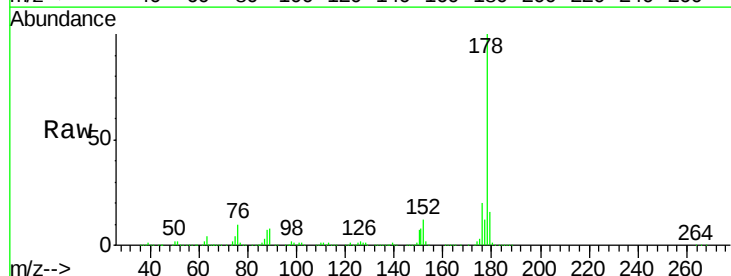


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

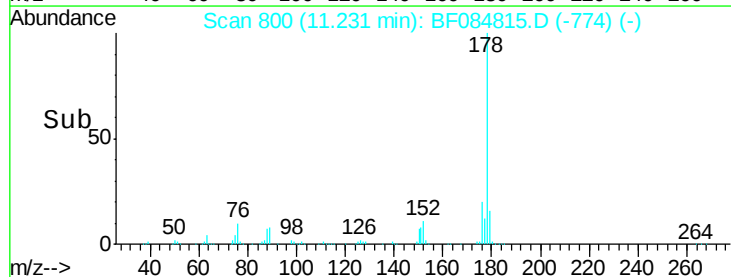
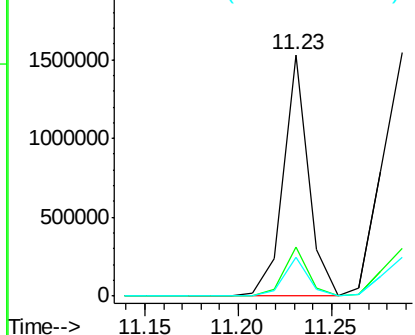


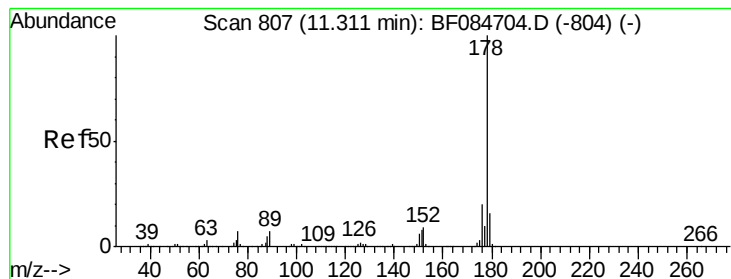
#70
 Phenanthrene
 Concen: 40.72 ng
 RT: 11.23 min Scan# 800
 Delta R.T. 0.00 min
 Lab File: BF084815.D
 Acq: 4 Feb 2016 5:32

Tgt Ion:178 Resp: 1430318
 Ion Ratio Lower Upper
 178 100
 176 20.2 15.3 22.9
 179 16.2 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: 46.81 ng

RT: 11.29 min Scan# 805

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Instrument :

BNA_F

ClientSampleId :

SUP-B005(34-36)MSD

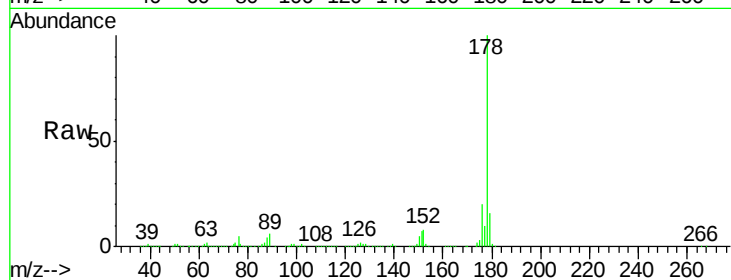
Tgt Ion:178 Resp: 1656453

Ion Ratio Lower Upper

178 100

176 19.7 15.4 23.0

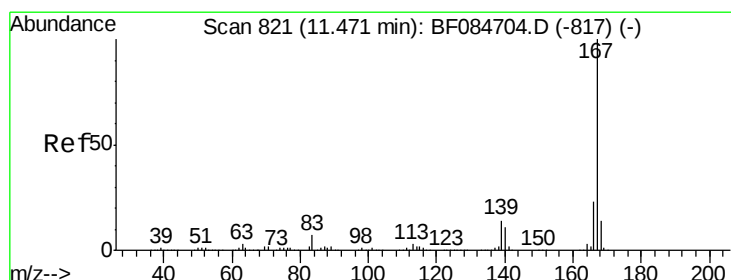
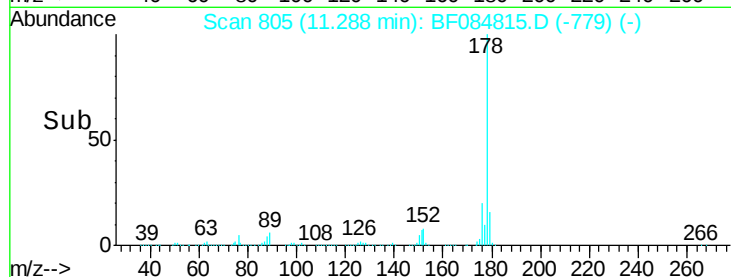
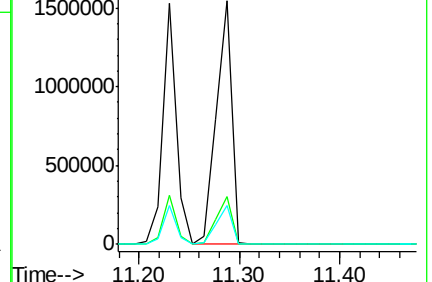
179 15.8 12.5 18.7



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



#72

Carbazole

Concen: 48.05 ng

RT: 11.45 min Scan# 819

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

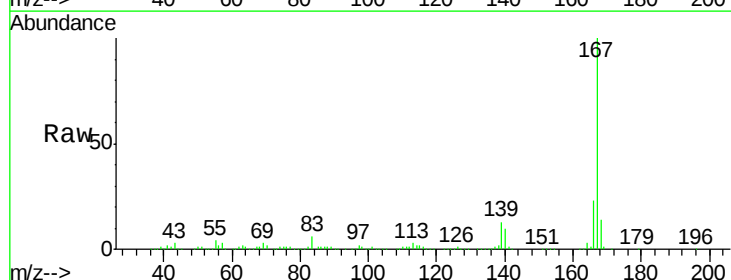
Tgt Ion:167 Resp: 1482833

Ion Ratio Lower Upper

167 100

166 22.7 17.6 26.4

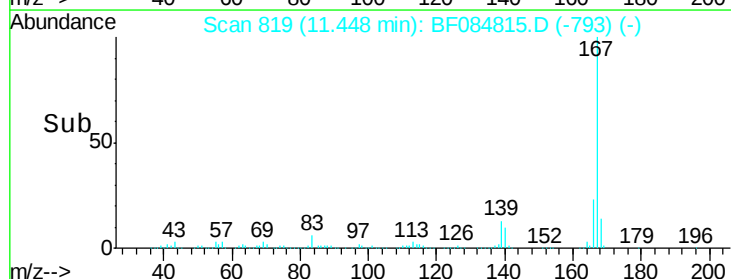
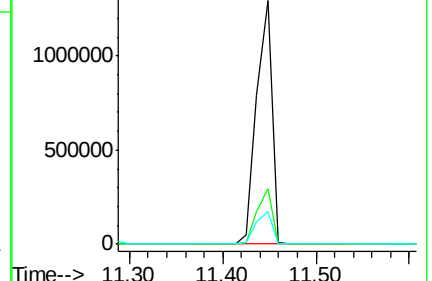
139 13.1 11.8 17.8

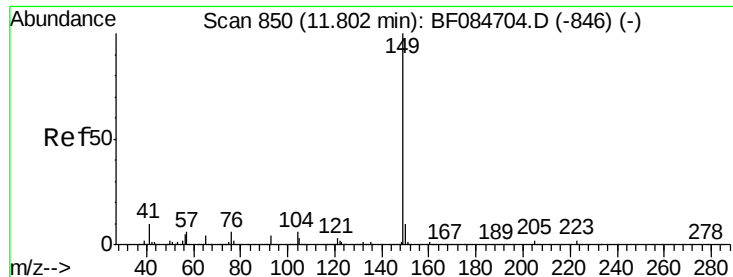


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 39.90 ng

RT: 11.78 min Scan# 848

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Instrument :

BNA_F

ClientSampleId :

SUP-B005(34-36)MSD

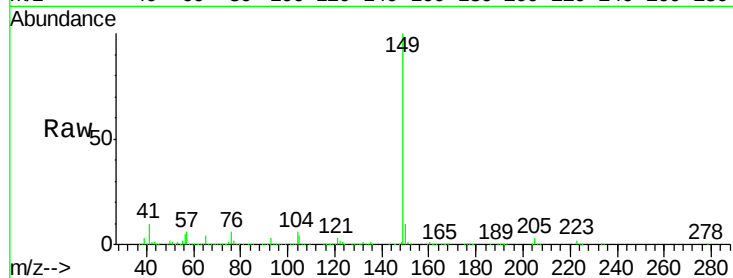
Tgt Ion:149 Resp: 1567602

Ion Ratio Lower Upper

149 100

150 9.9 7.1 10.7

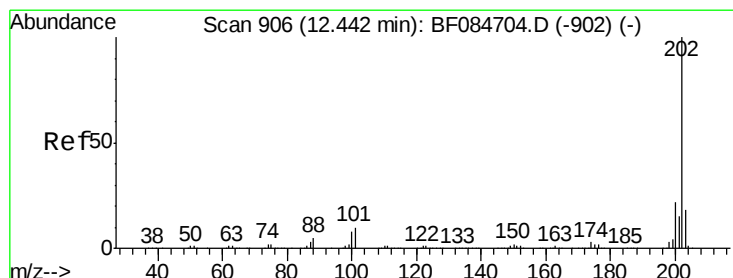
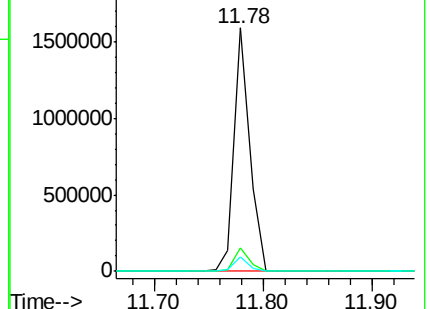
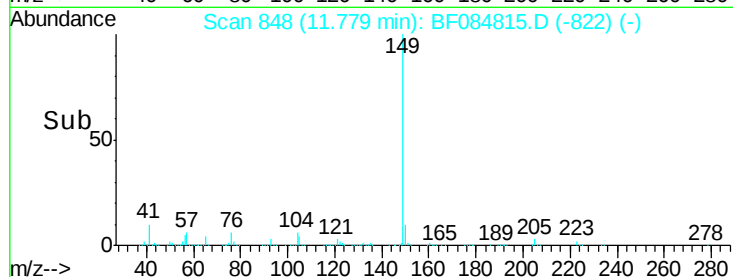
104 6.1 3.2 4.8#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#74

Fluoranthene

Concen: 44.97 ng

RT: 12.42 min Scan# 904

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

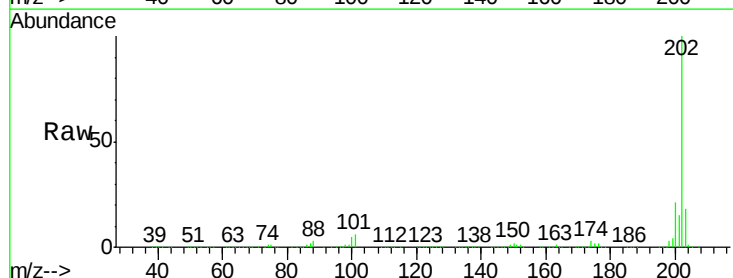
Tgt Ion:202 Resp: 1598518

Ion Ratio Lower Upper

202 100

101 6.3 0.0 32.8

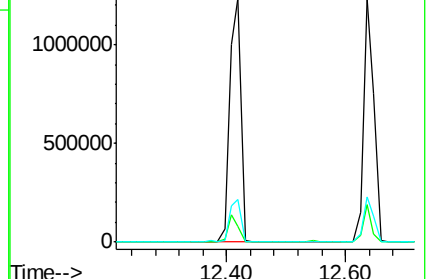
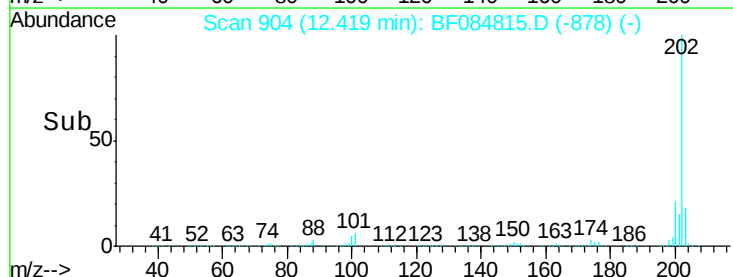
203 17.6 0.0 37.9

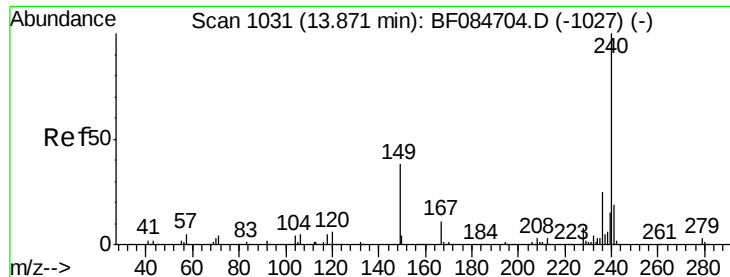


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.84 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

Instrument :

BNA_F

ClientSampleId :

SUP-B005(34-36)MSD

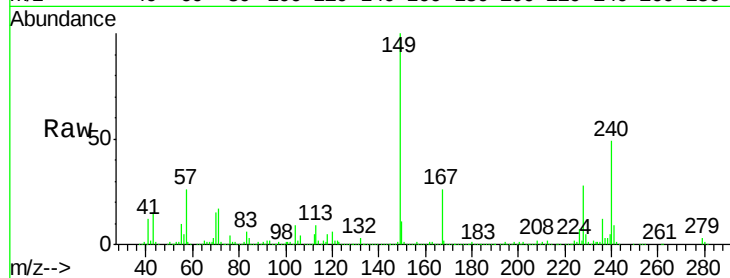
Tgt Ion:240 Resp: 404643

Ion Ratio Lower Upper

240 100

120 11.5 9.5 14.3

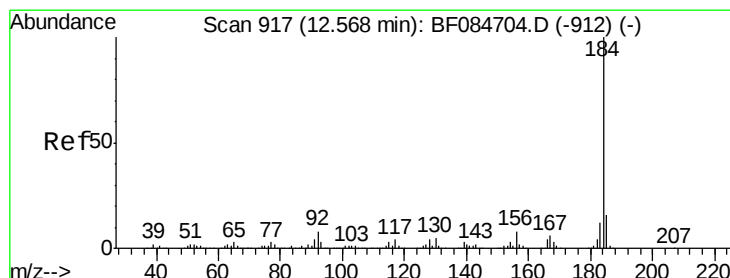
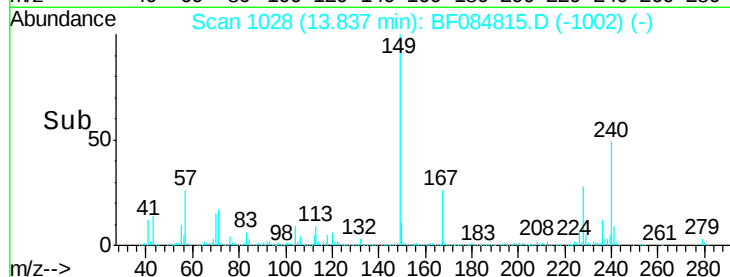
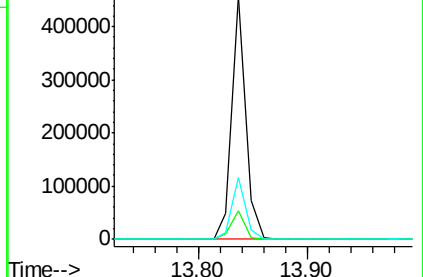
236 25.5 20.6 31.0



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#76

Benzidine

Concen: 55.94 ng

RT: 12.55 min Scan# 915

Delta R.T. 0.00 min

Lab File: BF084815.D

Acq: 4 Feb 2016 5:32

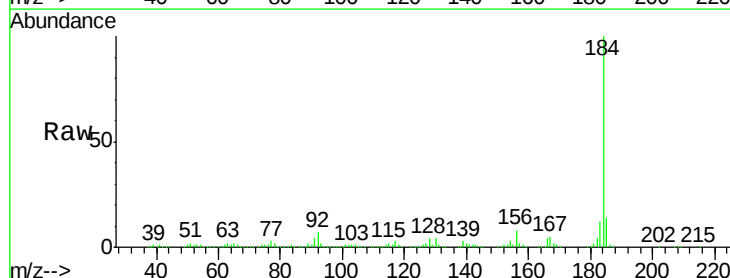
Tgt Ion:184 Resp: 738011

Ion Ratio Lower Upper

184 100

185 14.2 12.2 18.2

183 12.0 9.8 14.8



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

