

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020516\
 Data File : BF084900.D
 Acq On : 6 Feb 2016 9:55
 Operator : SJ/IZ
 Sample : H1329-09MSD
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B009(5-7)MSD

Quant Time: Feb 08 00:01:02 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	6.66	152	173648	20.00	ng	-0.02
21) Naphthalene-d8	7.95	136	701112	20.00	ng	-0.02
38) Acenaphthene-d10	9.70	164	306882	20.00	ng	-0.03
63) Phenanthrene-d10	11.17	188	503143	20.00	ng	-0.03
75) Chrysene-d12	13.80	240	295621	20.00	ng	-0.03
86) Perylene-d12	15.17	264	326203	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.26	112	1351073	121.19	ng	-0.01
7) Phenol-d6	6.33	99	1753860	126.90	ng	-0.01
23) Nitrobenzene-d5	7.24	82	1152727	92.62	ng	-0.02
41) 2,4,6-Tribromophenol	10.49	330	351053	109.67	ng	-0.03
44) 2-Fluorobiphenyl	9.04	172	1770384	105.83	ng	-0.02
78) Terphenyl-d14	12.76	244	1154566	88.50	ng	-0.03

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.21	88	173826	35.60	ng	# 77
3) Pyridine	2.86	79	468303	36.81	ng	# 75
4) n-Nitrosodimethylamine	2.83	42	287958	43.76	ng	84
6) Aniline	6.33	93	236986	14.01	ng	# 26
8) 2-Chlorophenol	6.45	128	586222	46.45	ng	98
9) Benzaldehyde	6.20	77	215062	26.35	ng	95
10) Phenol	6.34	94	788509	50.93	ng	89
11) bis(2-Chloroethyl)ether	6.41	93	495994	41.08	ng	# 83
12) 1,3-Dichlorobenzene	6.68	146	589220	44.19	ng	97
13) 1,4-Dichlorobenzene	6.68	146	589220	44.21	ng	94
14) 1,2-Dichlorobenzene	6.83	146	490636	39.52	ng	97
15) Benzyl Alcohol	6.82	79	423444	44.37	ng	92
16) 2,2'-oxybis(1-Chloropropan	6.96	45	827277	40.73	ng	96
17) 2-Methylphenol	6.94	107	450597	45.15	ng	# 91
18) Hexachloroethane	7.17	117	221329	43.12	ng	100
19) n-Nitroso-di-n-propylamine	7.09	70	362540	41.85	ng	# 74
20) 3+4-Methylphenols	7.10	107	579299	46.76	ng	91
22) Acetophenone	7.08	105	760374	41.15	ng	# 99
24) Nitrobenzene	7.25	77	518430	38.90	ng	96
25) Isophorone	7.50	82	1030664	42.59	ng	# 93
26) 2-Nitrophenol	7.57	139	301167	45.82	ng	# 87
27) 2,4-Dimethylphenol	7.63	122	469399	41.05	ng	88
28) bis(2-Chloroethoxy)methane	7.71	93	632693	44.07	ng	99
29) 2,4-Dichlorophenol	7.82	162	456037	46.62	ng	94
30) 1,2,4-Trichlorobenzene	7.89	180	451322	40.85	ng	97
31) Naphthalene	7.97	128	1523207	43.31	ng	99
32) Benzoic acid	7.63	122	469399	64.19	ng	# 12
33) 4-Chloroaniline	8.03	127	109246	7.51	ng	93
34) Hexachlorobutadiene	8.10	225	271620	42.63	ng	99
35) Caprolactam	8.41	113	103942	34.47	ng	# 59
36) 4-Chloro-3-methylphenol	8.53	107	478690	42.89	ng	98
37) 2-Methylnaphthalene	8.66	142	987144	44.85	ng	96
39) 1,2,4,5-Tetrachlorobenzene	8.83	216	420939	43.19	ng	99
40) Hexachlorocyclopentadiene	8.82	237	230772	59.87	ng	99

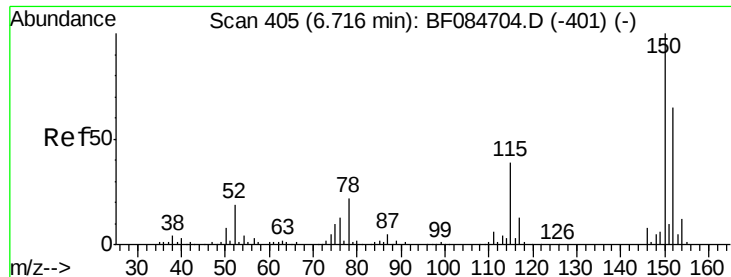
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF020516\
 Data File : BF084900.D
 Acq On : 6 Feb 2016 9:55
 Operator : SJ/IZ
 Sample : H1329-09MSD
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S4-B009(5-7)MSD

Quant Time: Feb 08 00:01:02 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)
42) 2,4,6-Trichlorophenol	8.96	196	279722	44.55	ng	92
43) 2,4,5-Trichlorophenol	8.99	196	278526	43.66	ng	# 82
45) 1,1'-Biphenyl	9.13	154	1083590	39.53	ng	99
46) 2-Chloronaphthalene	9.15	162	868950	43.05	ng	94
47) 2-Nitroaniline	9.25	65	273520	42.79	ng	97
48) Acenaphthylene	9.56	152	1201869	39.24	ng	98
49) Dimethylphthalate	9.45	163	1585845	67.85	ng	# 91
50) 2,6-Dinitrotoluene	9.50	165	251020	49.16	ng	96
51) Acenaphthene	9.73	154	769630	38.62	ng	98
52) 3-Nitroaniline	9.66	138	142276	24.80	ng	87
53) 2,4-Dinitrophenol	9.78	184	19410	13.44	ng	90
54) Dibenzofuran	9.90	168	1064289	43.70	ng	93
55) 4-Nitrophenol	9.85	139	246763	58.52	ng	# 78
56) 2,4-Dinitrotoluene	9.90	165	297607	45.70	ng	# 86
57) Fluorene	10.25	166	859667	42.27	ng	100
58) 2,3,4,6-Tetrachlorophenol	10.03	232	224744	46.27	ng	93
59) Diethylphthalate	10.13	149	947194	41.50	ng	98
60) 4-Chlorophenyl-phenylether	10.25	204	425613	50.73	ng	88
61) 4-Nitroaniline	10.28	138	234772	41.99	ng	88
62) Azobenzene	10.40	77	1003642	45.73	ng	85
64) 4,6-Dinitro-2-methylphenol	10.30	198	64883	20.89	ng	# 50
65) n-Nitrosodiphenylamine	10.36	169	740834	46.37	ng	98
66) 4-Bromophenyl-phenylether	10.73	248	251499	45.26	ng	# 77
67) Hexachlorobenzene	10.80	284	292565	48.32	ng	# 91
68) Atrazine	10.90	200	244657	48.49	ng	98
69) Pentachlorophenol	10.99	266	217891	76.57	ng	98
70) Phenanthrene	11.21	178	1293692	46.36	ng	99
71) Anthracene	11.25	178	1219971	43.39	ng	99
72) Carbazole	11.41	167	1018870	41.55	ng	99
73) Di-n-butylphthalate	11.76	149	1465689	46.95	ng	# 98
74) Fluoranthene	12.39	202	1137536	40.27	ng	97
76) Benzidine	12.51	184	357113	34.07	ng	99
77) Pyrene	12.61	202	1164935	51.47	ng	99
79) Butylbenzylphthalate	13.24	149	479520	46.70	ng	92
80) Benzo(a)anthracene	13.80	228	877579	47.83	ng	100
81) 3,3'-Dichlorobenzidine	13.77	252	179079	27.57	ng	# 96
82) Chrysene	13.84	228	871645	48.99	ng	99
83) Bis(2-ethylhexyl)phthalate	13.80	149	641420	50.20	ng	# 99
84) Di-n-octyl phthalate	14.42	149	1118439	53.05	ng	# 90
85) Indeno(1,2,3-cd)pyrene	16.45	276	843931	60.26	ng	99
87) Benzo(b)fluoranthene	14.83	252	1684650	76.86	ng	99
88) Benzo(k)fluoranthene	14.83	252	1684650	92.96	ng	# 96
89) Benzo(a)pyrene	15.13	252	838224	44.89	ng	98
90) Dibenzo(a,h)anthracene	16.47	278	702592	44.69	ng	98
91) Benzo(g,h,i)perylene	16.84	276	680615	42.98	ng	96

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.66 min Scan# 400

Delta R.T. -0.02 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

Instrument :

BNA_F

ClientSampleId :

S4-B009(5-7)MSD

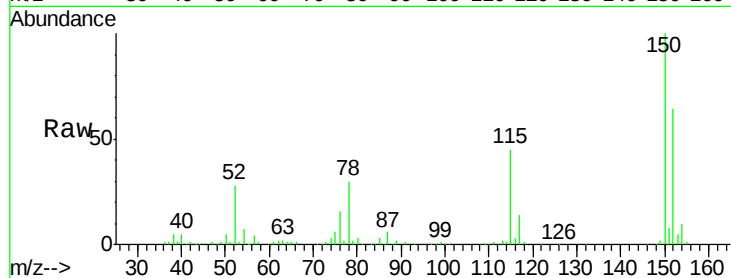
Tgt Ion:152 Resp: 173648

Ion Ratio Lower Upper

152 100

150 157.2 123.0 184.4

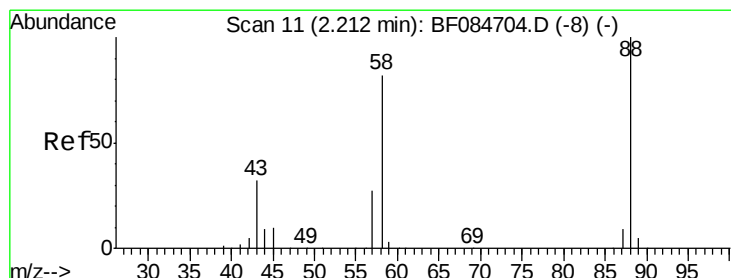
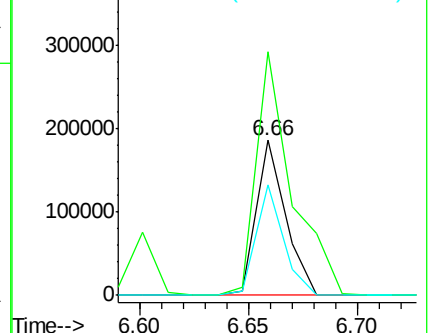
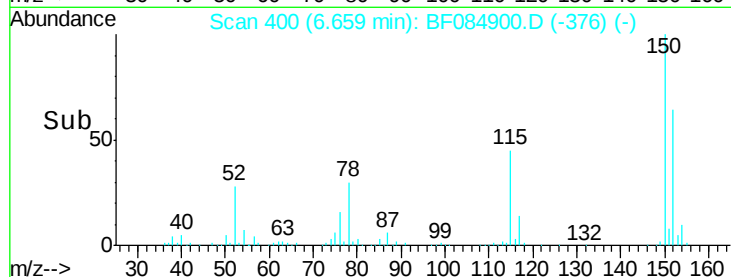
115 71.1 51.4 77.2



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: 35.60 ng

RT: 2.21 min Scan# 11

Delta R.T. 0.03 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

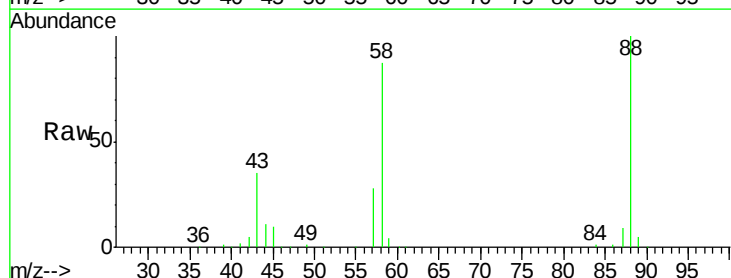
Tgt Ion: 88 Resp: 173826

Ion Ratio Lower Upper

88 100

58 83.8 51.2 76.8#

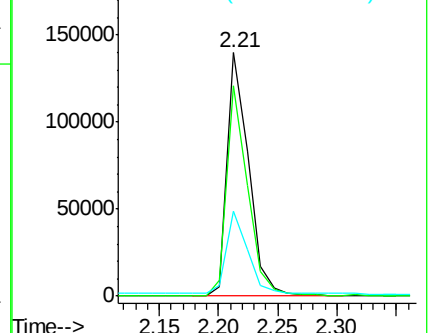
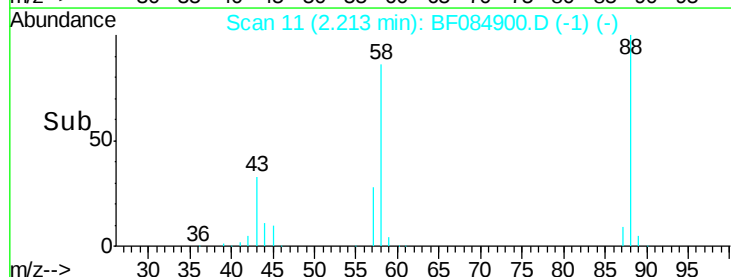
43 33.7 19.5 29.3#

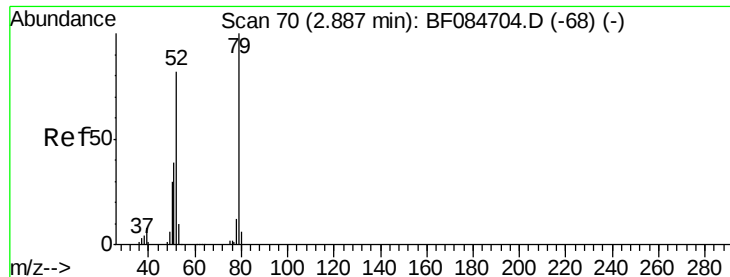


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#3

Pyridine

Concen: 36.81 ng

RT: 2.86 min Scan# 68

Delta R.T. 0.02 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

Instrument :

BNA_F

ClientSampleId :

S4-B009(5-7)MSD

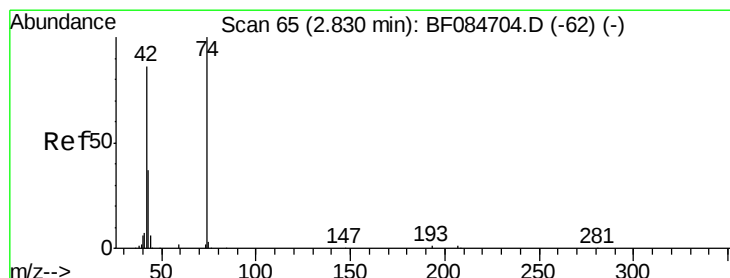
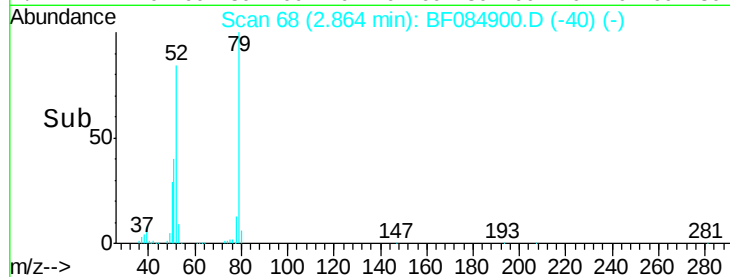
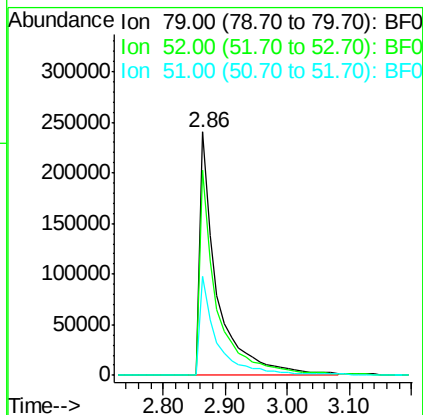
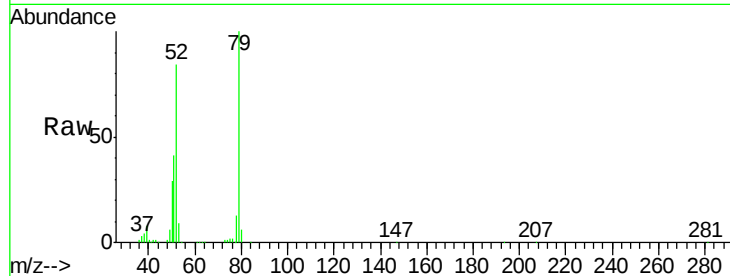
Tgt Ion: 79 Resp: 468303

Ion Ratio Lower Upper

79 100

52 84.0 49.0 73.4#

51 40.6 25.2 37.8#



#4

n-Nitrosodimethylamine

Concen: 43.76 ng

RT: 2.83 min Scan# 65

Delta R.T. 0.03 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

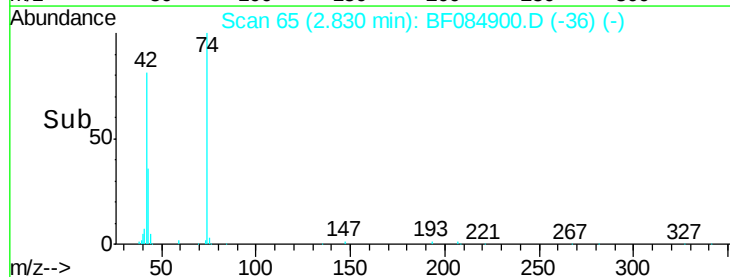
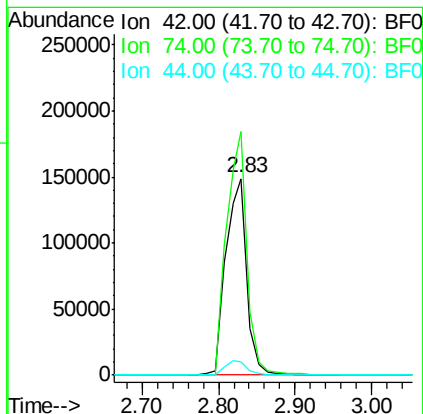
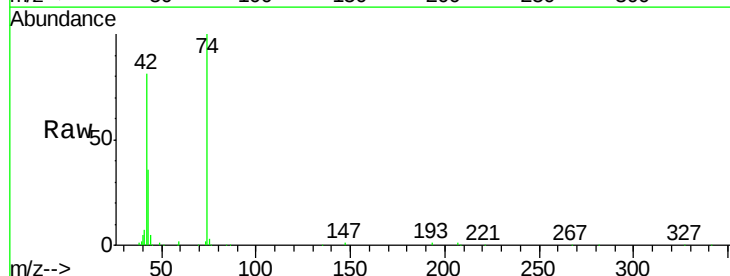
Tgt Ion: 42 Resp: 287958

Ion Ratio Lower Upper

42 100

74 123.8 115.7 173.5

44 6.7 5.1 7.7





#5

2-Fluorophenol

Concen: 121.19 ng

RT: 5.26 min Scan# 278

Delta R.T. -0.01 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

Instrument :

BNA_F

ClientSampleId :

S4-B009(5-7)MSD

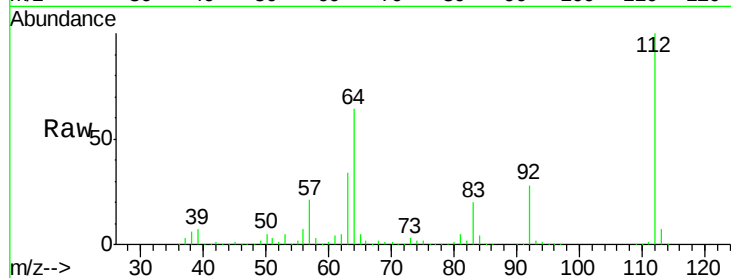
Tgt Ion: 112 Resp: 1351073

Ion Ratio Lower Upper

112 100

64 64.3 36.6 55.0#

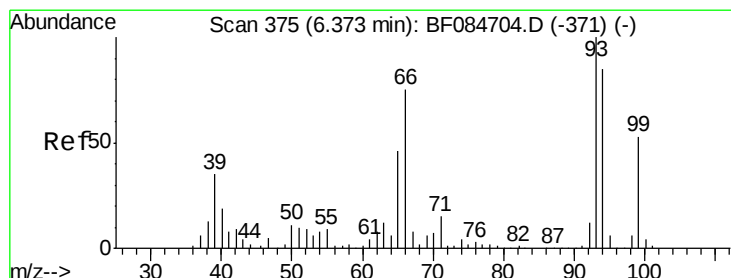
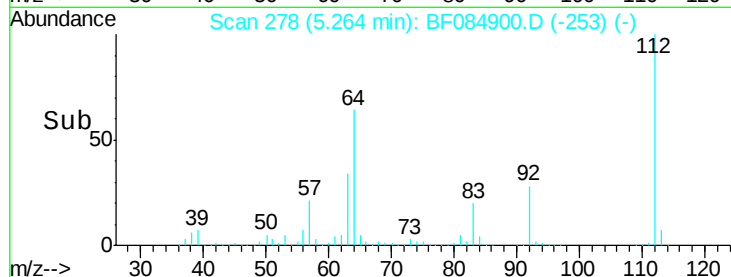
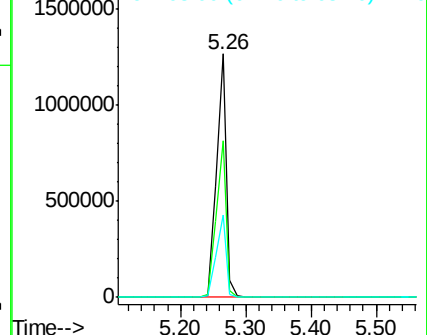
63 33.7 19.4 29.0#



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: 14.01 ng

RT: 6.33 min Scan# 371

Delta R.T. -0.02 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

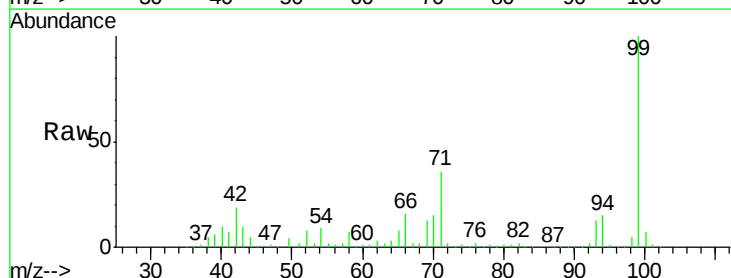
Tgt Ion: 93 Resp: 236986

Ion Ratio Lower Upper

93 100

66 116.9 44.9 67.3#

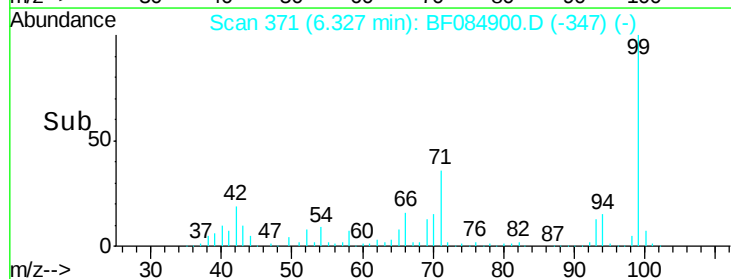
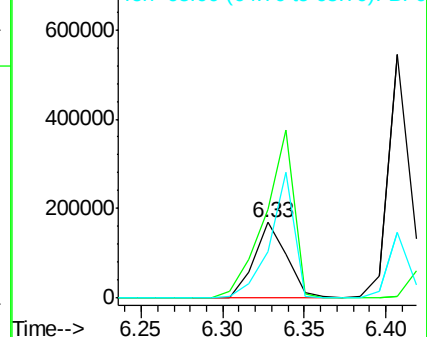
65 60.8 23.7 35.5#



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: 126.90 ng

RT: 6.33 min Scan# 371

Delta R.T. -0.01 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

Instrument :

BNA_F

ClientSampleId :

S4-B009(5-7)MSD

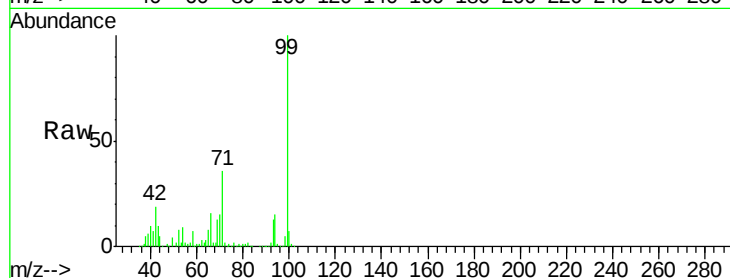
Tgt Ion: 99 Resp: 1753860

Ion Ratio Lower Upper

99 100

42 19.1 12.8 19.2

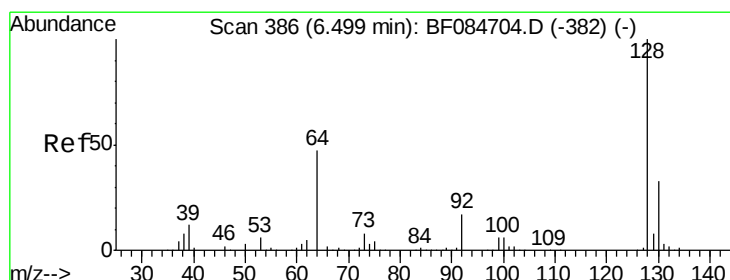
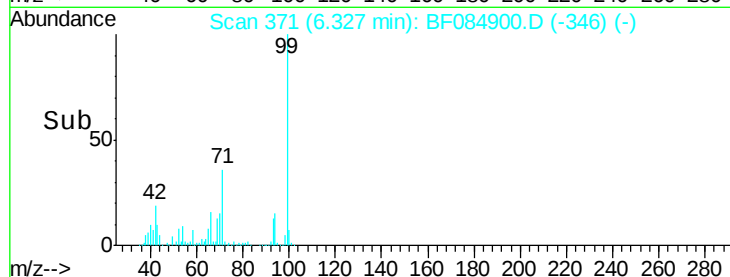
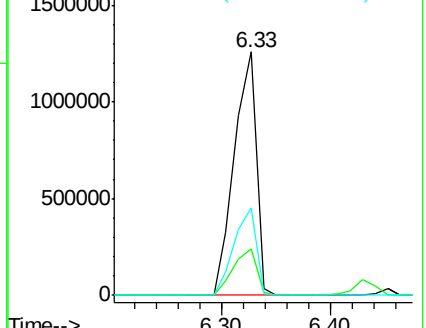
71 35.9 30.9 46.3



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: 46.45 ng

RT: 6.45 min Scan# 382

Delta R.T. -0.02 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

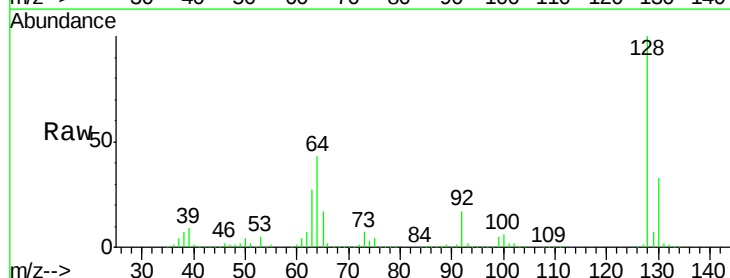
Tgt Ion: 128 Resp: 586222

Ion Ratio Lower Upper

128 100

130 33.1 11.6 51.6

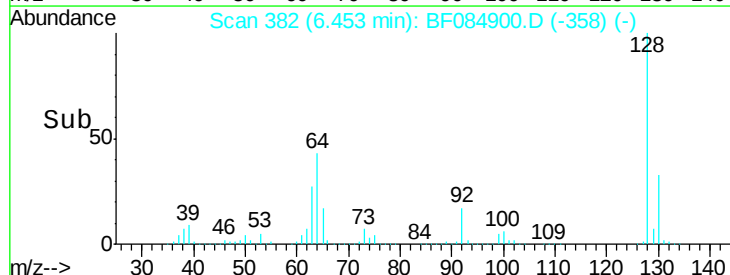
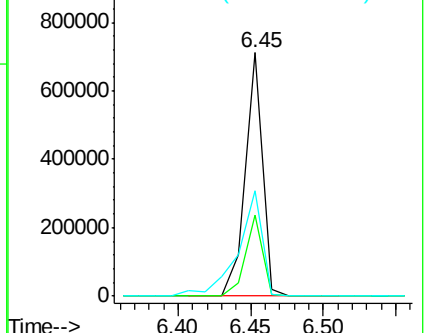
64 43.3 23.8 63.8

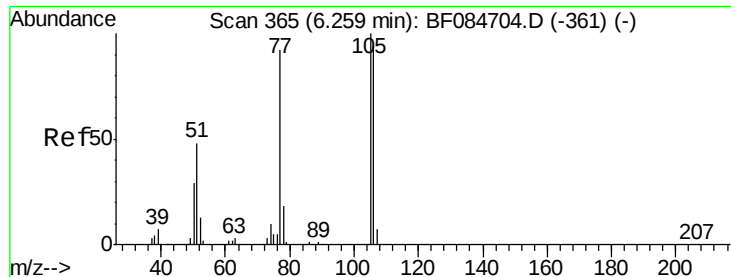


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF0





#9

Benzaldehyde

Concen: 26.35 ng

RT: 6.20 min Scan# 360

Delta R.T. -0.03 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

Instrument :

BNA_F

ClientSampleId :

S4-B009(5-7)MSD

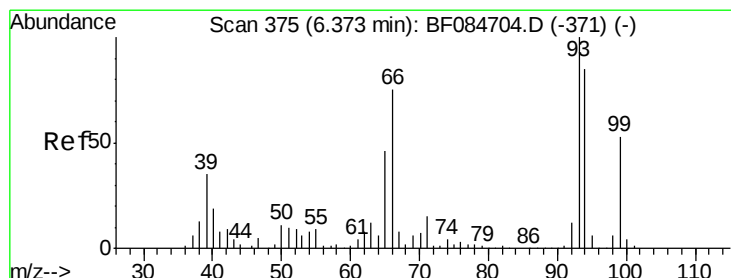
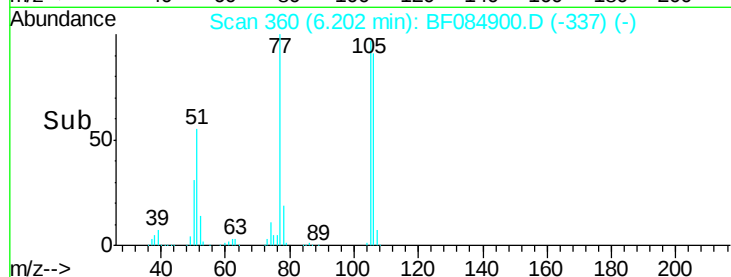
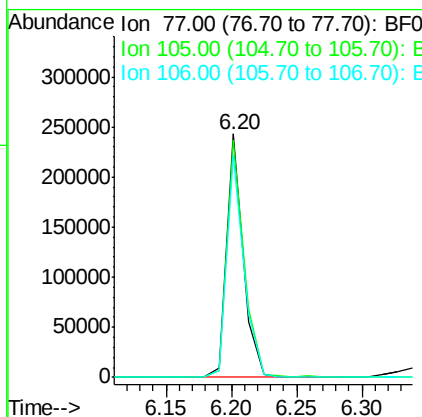
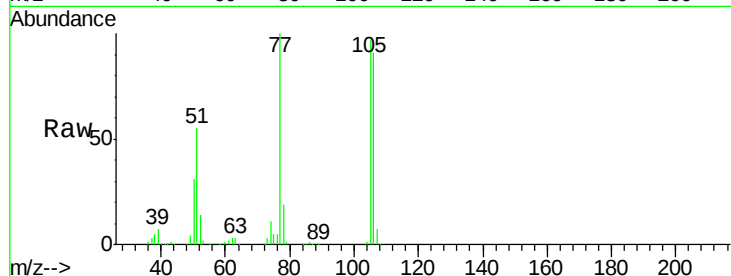
Tgt Ion: 77 Resp: 215062

Ion Ratio Lower Upper

77 100

105 97.4 83.0 123.0

106 91.0 74.6 114.6



#10

Phenol

Concen: 50.93 ng

RT: 6.34 min Scan# 372

Delta R.T. -0.01 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

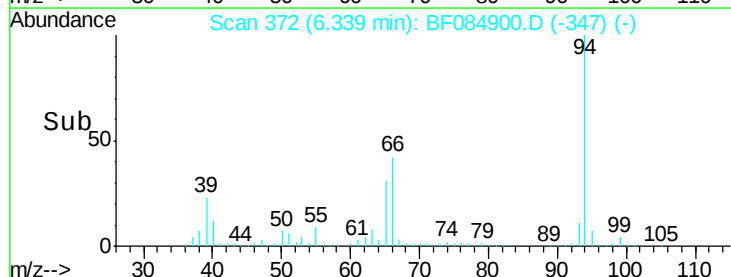
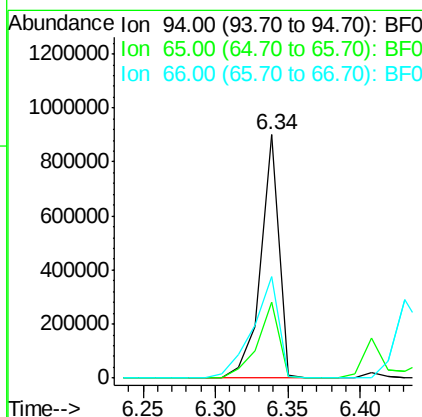
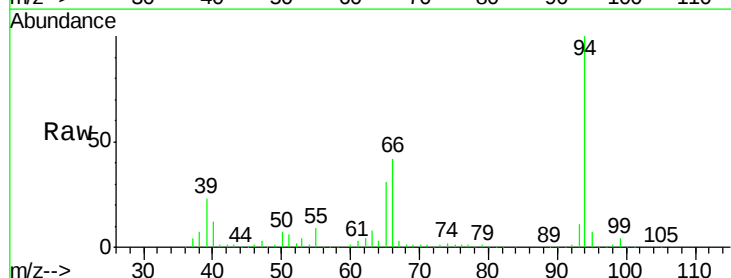
Tgt Ion: 94 Resp: 788509

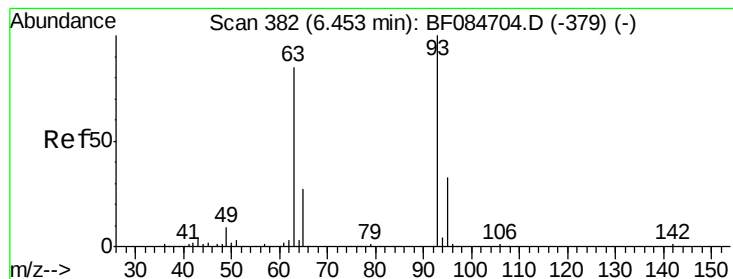
Ion Ratio Lower Upper

94 100

65 31.1 12.9 52.9

66 41.8 32.7 72.7





#11

bis(2-Chloroethyl)ether

Concen: 41.08 ng

RT: 6.41 min Scan# 378

Delta R.T. -0.02 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

Instrument :

BNA_F

ClientSampleId :

S4-B009(5-7)MSD

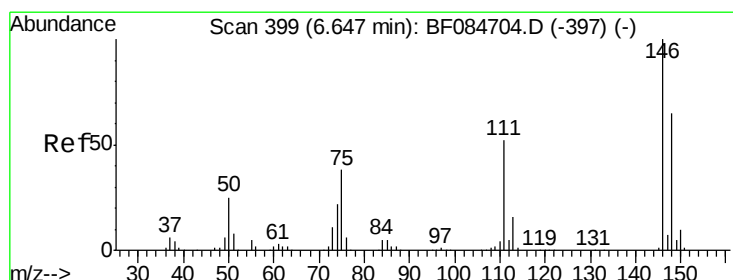
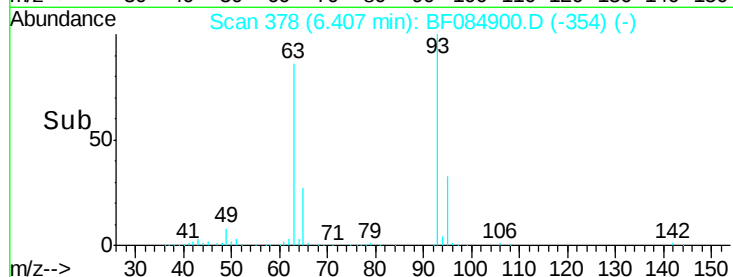
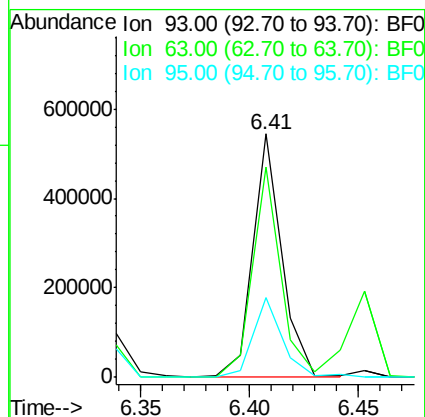
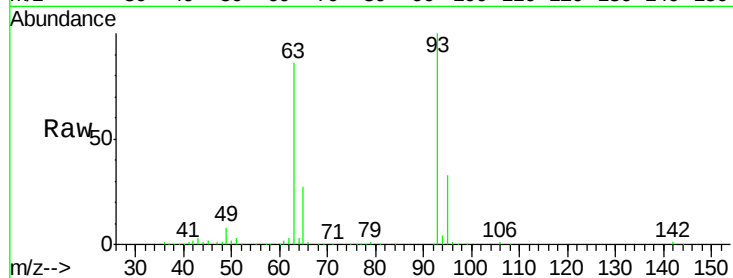
Tgt Ion: 93 Resp: 495994

Ion Ratio Lower Upper

93 100

63 86.2 45.9 85.9#

95 32.7 12.3 52.3



#12

1,3-Dichlorobenzene

Concen: 44.19 ng

RT: 6.68 min Scan# 402

Delta R.T. 0.06 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

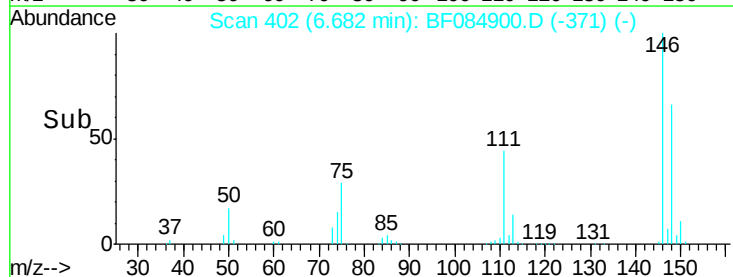
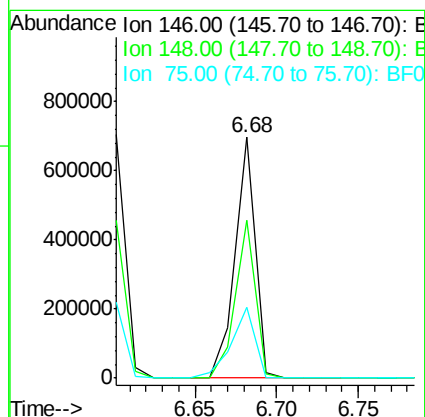
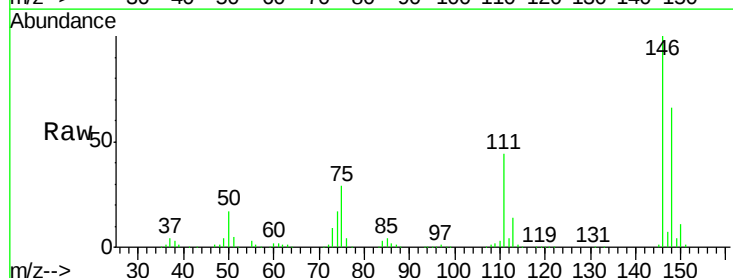
Tgt Ion: 146 Resp: 589220

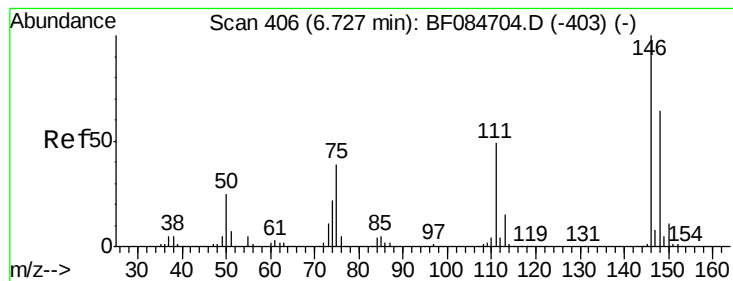
Ion Ratio Lower Upper

146 100

148 65.5 51.9 77.9

75 29.4 20.5 30.7





#13

1,4-Dichlorobenzene

Concen: 44.21 ng

RT: 6.68 min Scan# 402

Delta R.T. -0.02 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

Instrument :

BNA_F

ClientSampleId :

S4-B009(5-7)MSD

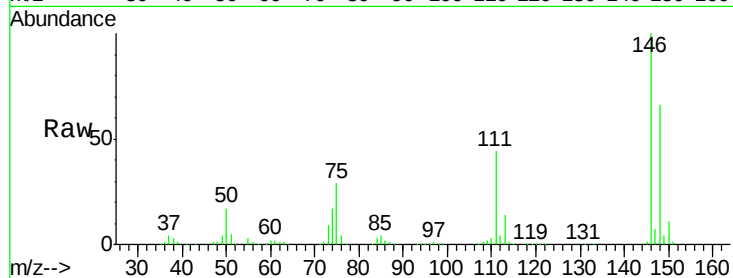
Tgt Ion:146 Resp: 589220

Ion Ratio Lower Upper

146 100

148 65.5 51.9 77.9

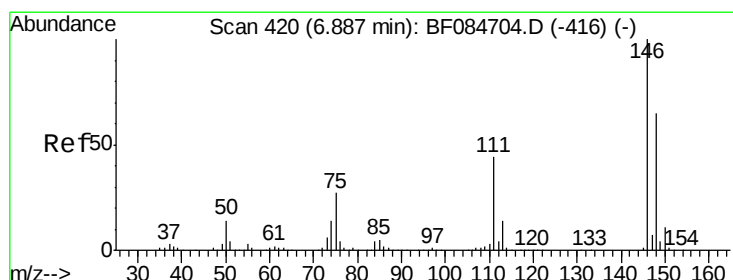
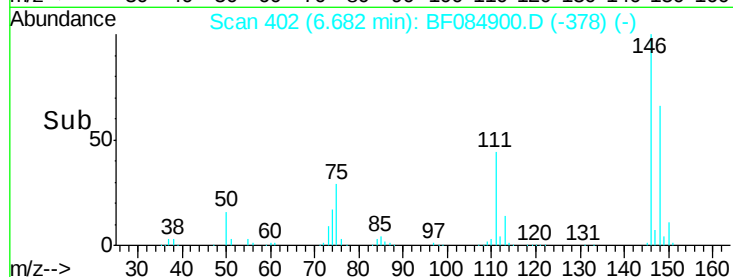
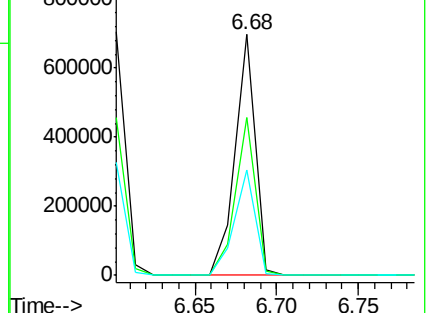
111 43.9 41.6 62.4



Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 39.52 ng

RT: 6.83 min Scan# 415

Delta R.T. -0.03 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

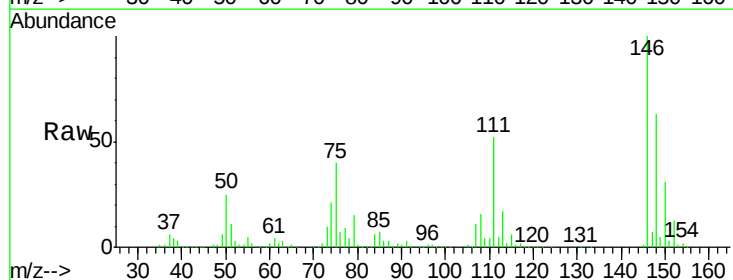
Tgt Ion:146 Resp: 490636

Ion Ratio Lower Upper

146 100

148 63.4 51.6 77.4

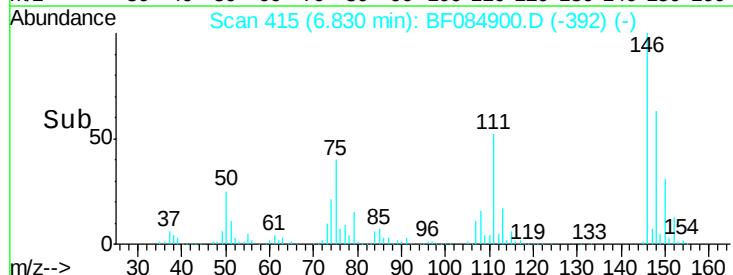
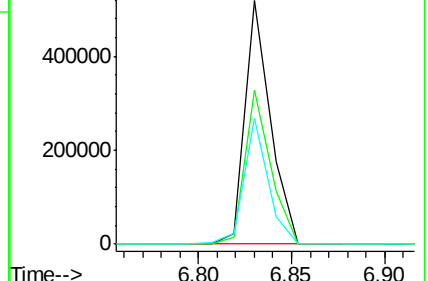
111 51.8 38.0 57.0

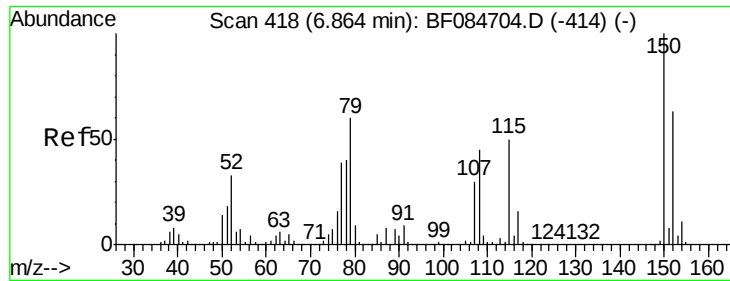


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 111.00 (110.70 to 111.70): E

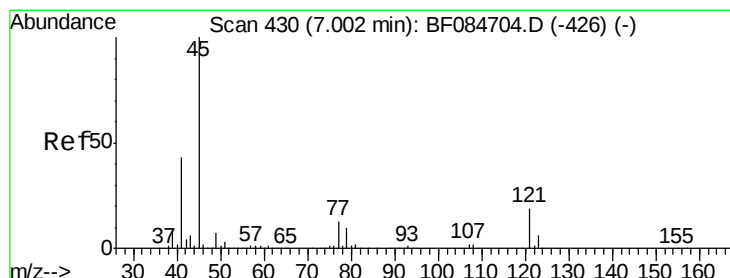
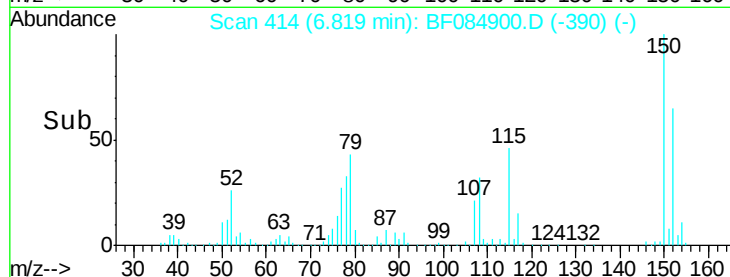
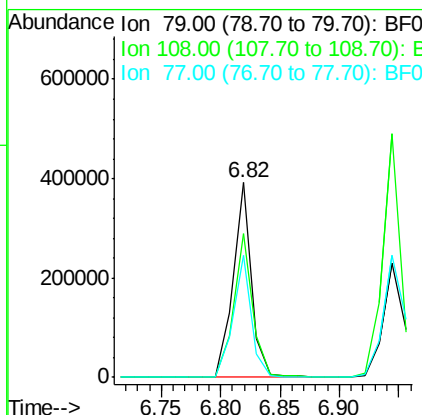
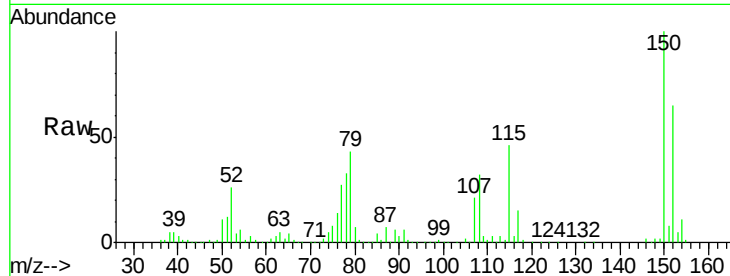




#15
Benzyl Alcohol
Concen: 44.37 ng
RT: 6.82 min Scan# 414
Delta R.T. -0.02 min
Lab File: BF084900.D
Acq: 6 Feb 2016 9:55

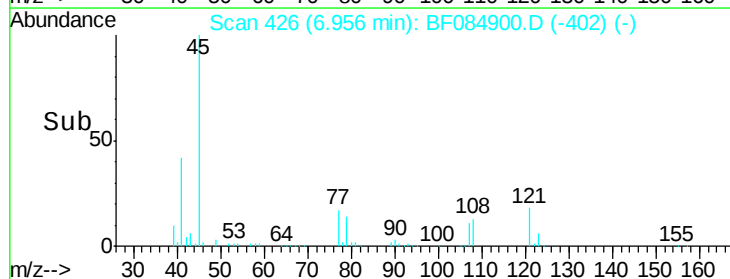
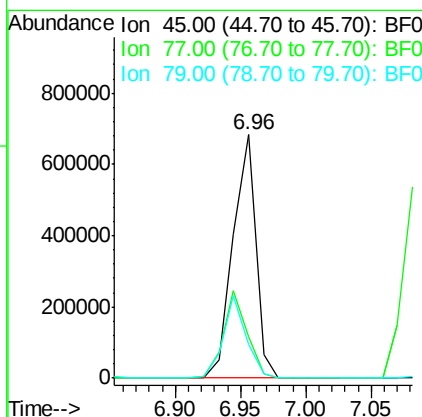
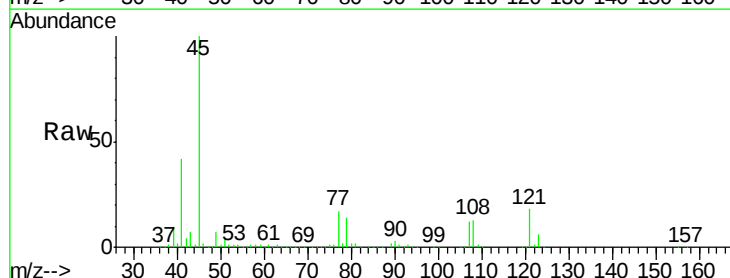
Instrument :
BNA_F
ClientSampleId :
S4-B009(5-7)MSD

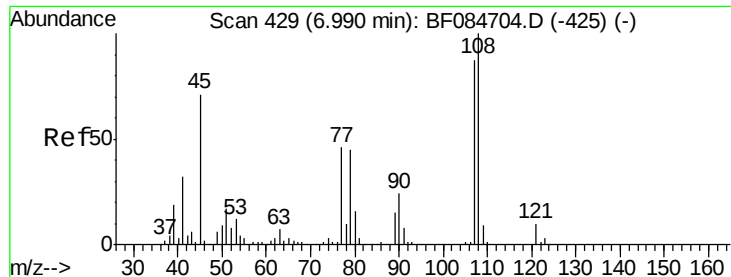
Tgt Ion: 79 Resp: 423444
Ion Ratio Lower Upper
79 100
108 73.6 69.0 103.4
77 62.9 50.0 75.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.73 ng
RT: 6.96 min Scan# 426
Delta R.T. -0.02 min
Lab File: BF084900.D
Acq: 6 Feb 2016 9:55

Tgt Ion: 45 Resp: 827277
Ion Ratio Lower Upper
45 100
77 16.9 0.0 39.6
79 14.1 0.0 35.0

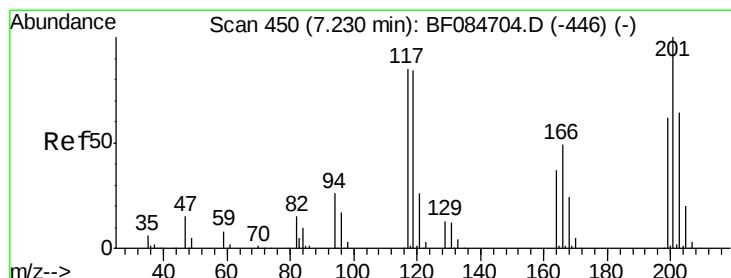
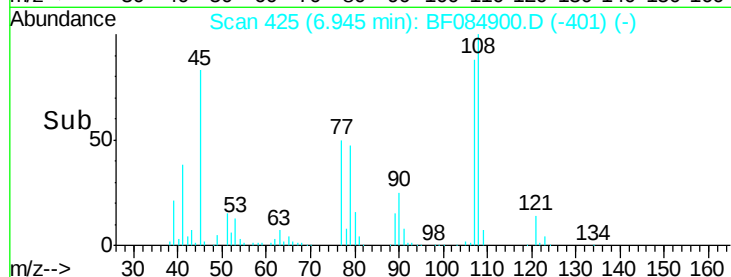
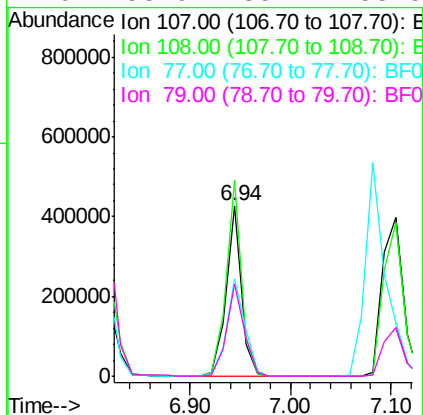
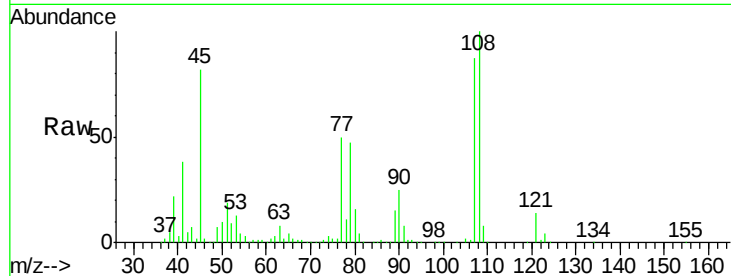




#17
2-Methylphenol
Concen: 45.15 ng
RT: 6.94 min Scan# 425
Delta R.T. -0.02 min
Lab File: BF084900.D
Acq: 6 Feb 2016 9:55

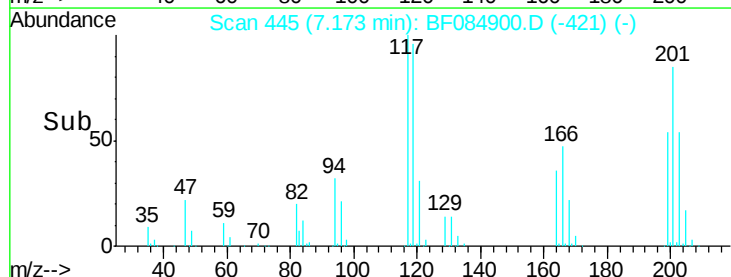
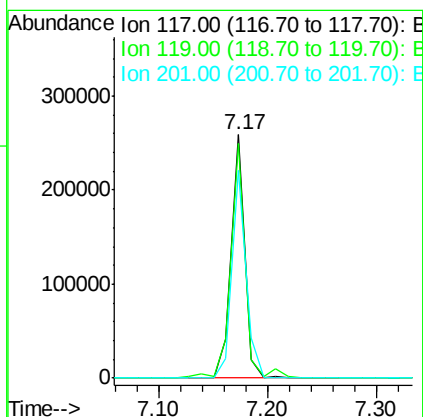
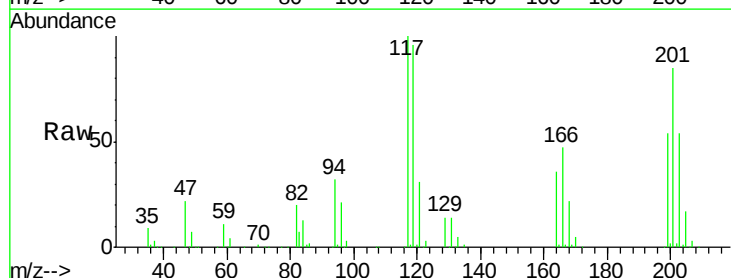
Instrument :
BNA_F
ClientSampleId :
S4-B009(5-7)MSD

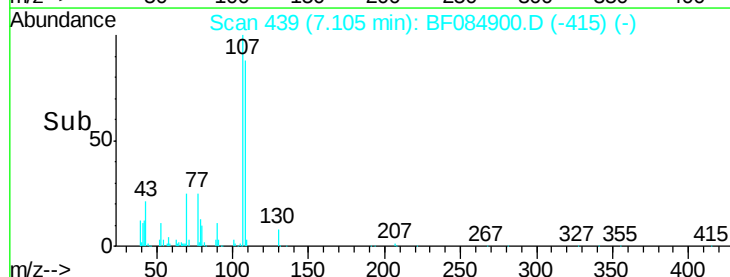
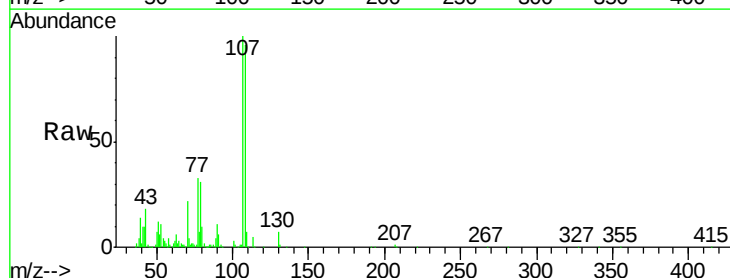
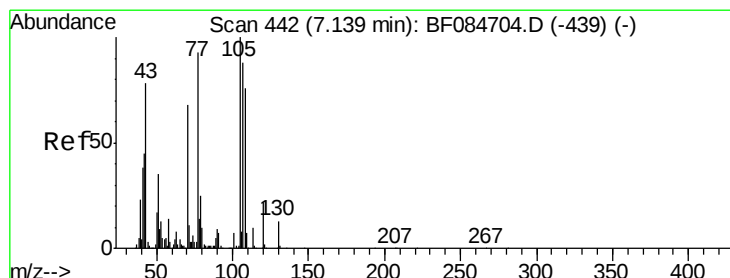
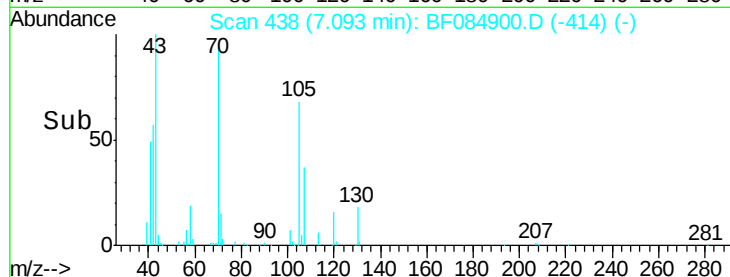
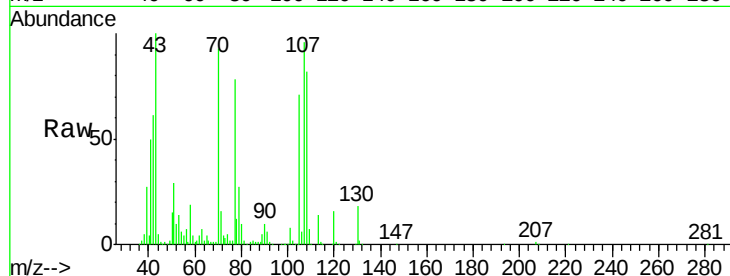
Tgt Ion:107 Resp: 450597
Ion Ratio Lower Upper
107 100
108 114.5 89.8 134.6
77 57.2 35.7 53.5#
79 53.9 35.7 53.5#



#18
Hexachloroethane
Concen: 43.12 ng
RT: 7.17 min Scan# 445
Delta R.T. -0.02 min
Lab File: BF084900.D
Acq: 6 Feb 2016 9:55

Tgt Ion:117 Resp: 221329
Ion Ratio Lower Upper
117 100
119 96.5 77.4 116.0
201 85.3 68.6 103.0

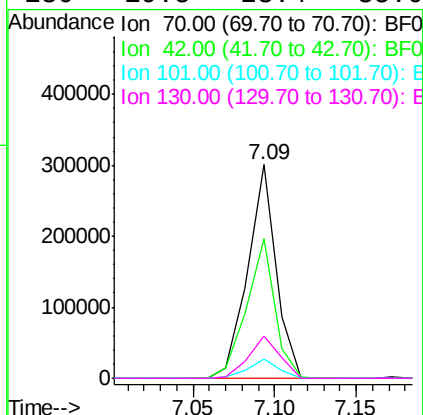




#19
n-Nitroso-di-n-propylamine
Concen: 41.85 ng
RT: 7.09 min Scan# 438
Delta R.T. -0.02 min
Lab File: BF084900.D
Acq: 6 Feb 2016 9:55

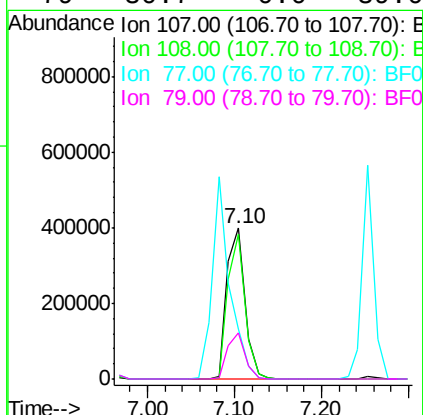
Instrument :
BNA_F
ClientSampleId :
S4-B009(5-7)MSD

Tgt Ion:	70	Resp:	362540
Ion Ratio	Lower	Upper	
70	100		
42	65.1	33.3	49.9#
101	8.8	9.3	13.9#
130	19.5	23.4	35.0#



#20
3+4-Methylphenols
Concen: 46.76 ng
RT: 7.10 min Scan# 439
Delta R.T. -0.02 min
Lab File: BF084900.D
Acq: 6 Feb 2016 9:55

Tgt Ion:	107	Resp:	579299
Ion Ratio	Lower	Upper	
107	100		
108	96.2	74.6	114.6
77	33.4	0.7	40.7
79	30.7	0.0	39.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.95 min Scan# 513

Delta R.T. -0.02 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

Instrument :

BNA_F

ClientSampleId :

S4-B009(5-7)MSD

Tgt Ion:136 Resp: 701112

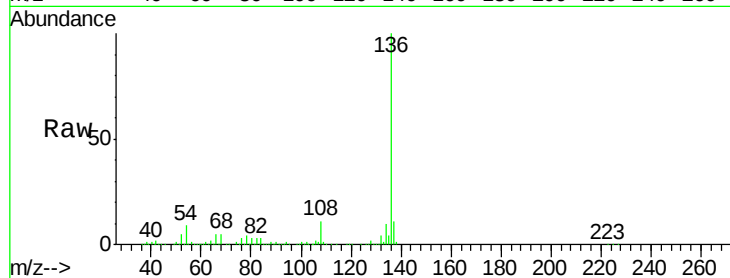
Ion Ratio Lower Upper

136 100

137 11.5 8.7 13.1

54 8.9 5.8 8.8#

68 4.8 4.2 6.2

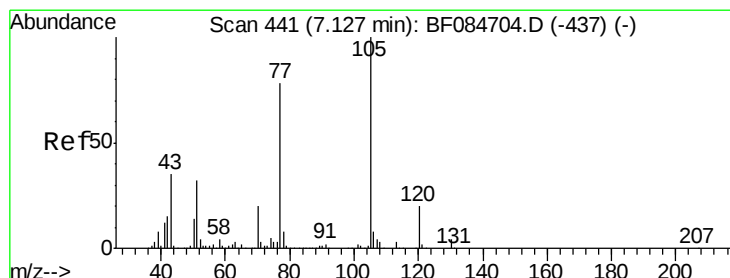
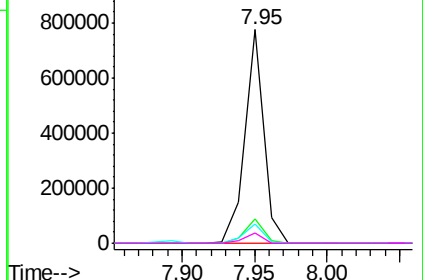
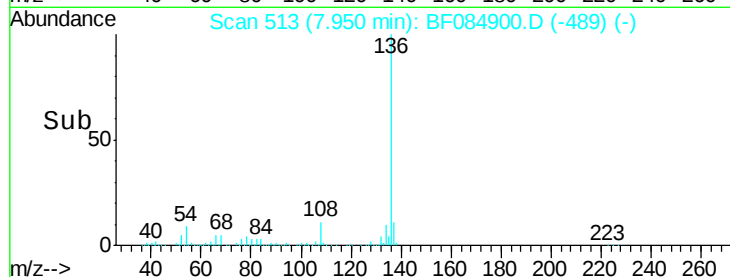


Abundance Ion 136.00 (135.70 to 136.70): E

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: 41.15 ng

RT: 7.08 min Scan# 437

Delta R.T. -0.02 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

Tgt Ion:105 Resp: 760374

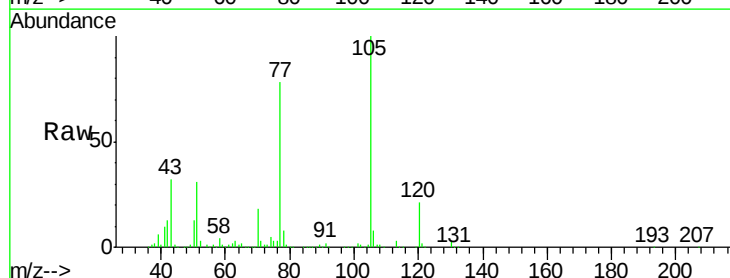
Ion Ratio Lower Upper

105 100

71 3.1 3.7 5.5#

51 30.6 25.1 37.7

120 20.9 16.6 25.0

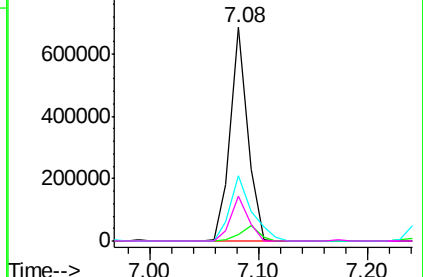
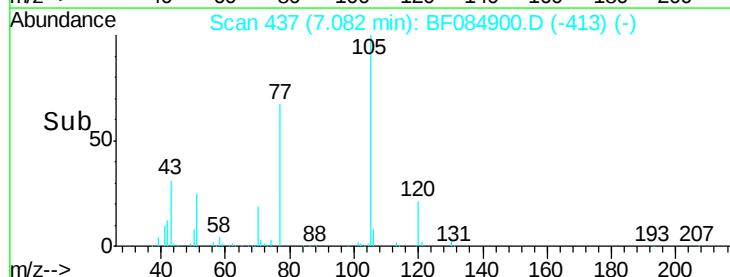


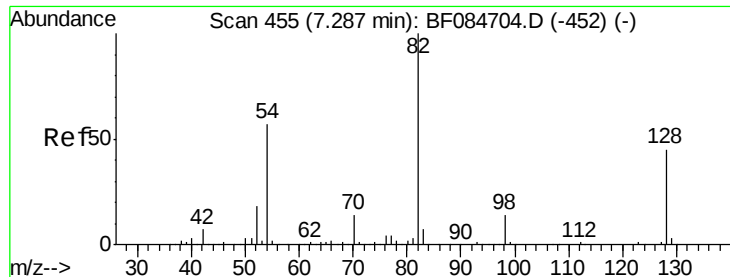
Abundance Ion 105.00 (104.70 to 105.70): E

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

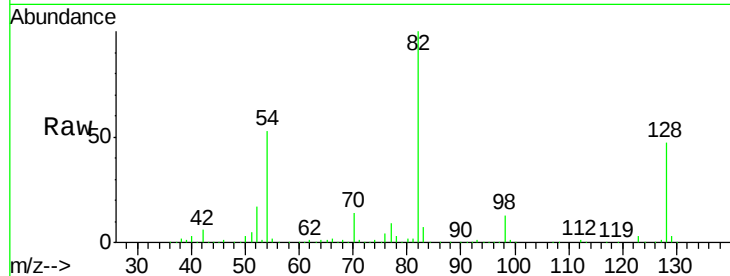




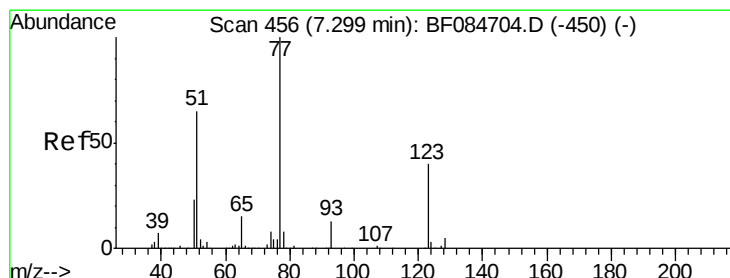
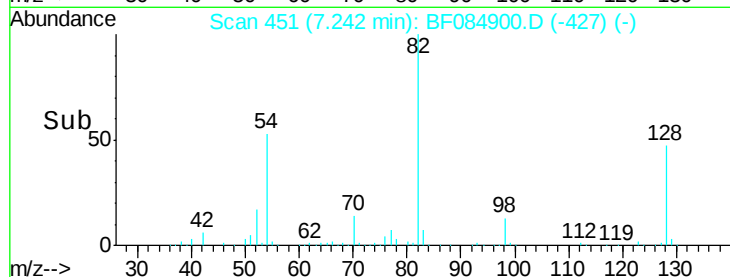
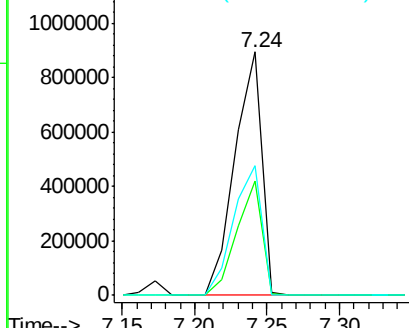
#23
 Nitrobenzene-d5
 Concen: 92.62 ng
 RT: 7.24 min Scan# 451
 Delta R.T. -0.02 min
 Lab File: BF084900.D
 Acq: 6 Feb 2016 9:55

Instrument :
 BNA_F
 ClientSampleId :
 S4-B009(5-7)MSD

Tgt Ion: 82 Resp: 1152727
 Ion Ratio Lower Upper
 82 100
 128 47.0 34.6 51.8
 54 53.4 38.4 57.6

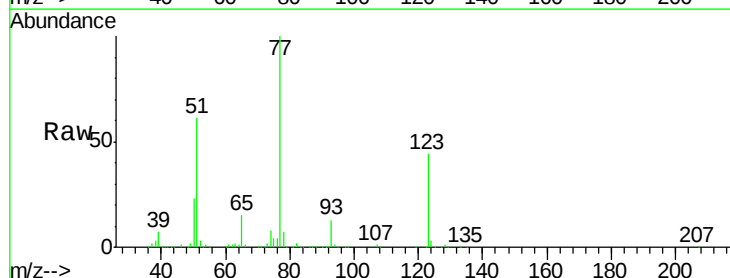


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

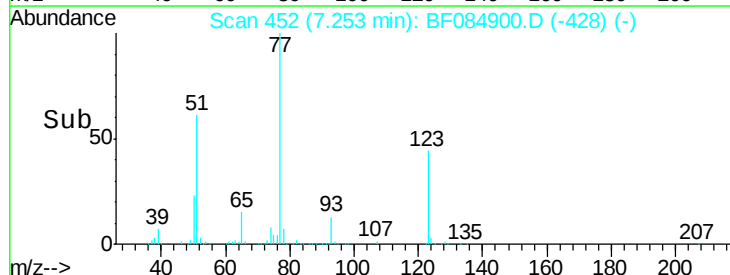
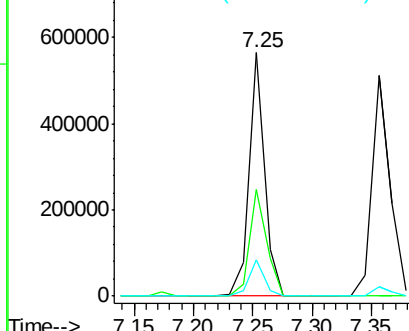


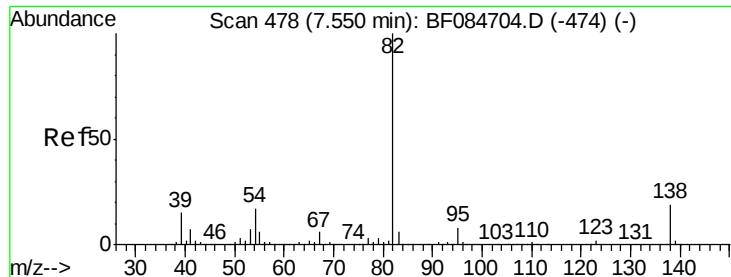
#24
 Nitrobenzene
 Concen: 38.90 ng
 RT: 7.25 min Scan# 452
 Delta R.T. -0.02 min
 Lab File: BF084900.D
 Acq: 6 Feb 2016 9:55

Tgt Ion: 77 Resp: 518430
 Ion Ratio Lower Upper
 77 100
 123 44.0 37.4 56.2
 65 14.8 10.9 16.3



Abundance Ion 77.00 (76.70 to 77.70): BF0
 Ion 123.00 (122.70 to 123.70): B
 Ion 65.00 (64.70 to 65.70): BF0





#25

Isophorone

Concen: 42.59 ng

RT: 7.50 min Scan# 474

Delta R.T. -0.02 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

Instrument :

BNA_F

ClientSampleId :

S4-B009(5-7)MSD

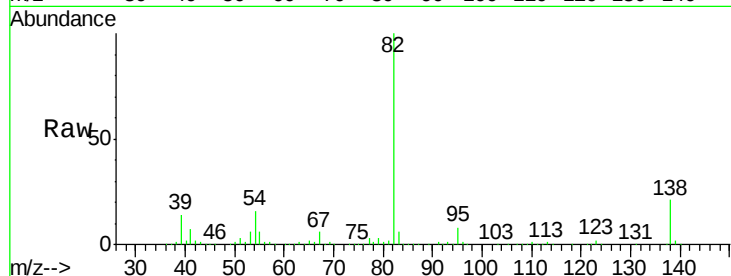
Tgt Ion: 82 Resp: 1030664

Ion Ratio Lower Upper

82 100

95 8.1 6.6 10.0

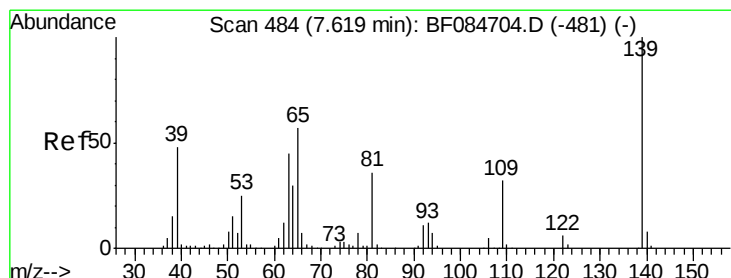
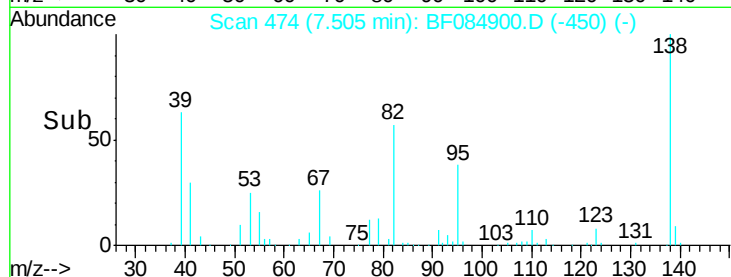
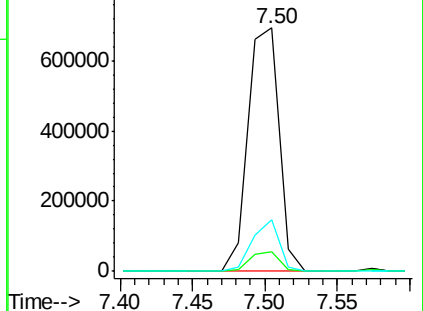
138 21.3 13.6 20.4#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): E



#26

2-Nitrophenol

Concen: 45.82 ng

RT: 7.57 min Scan# 480

Delta R.T. -0.02 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

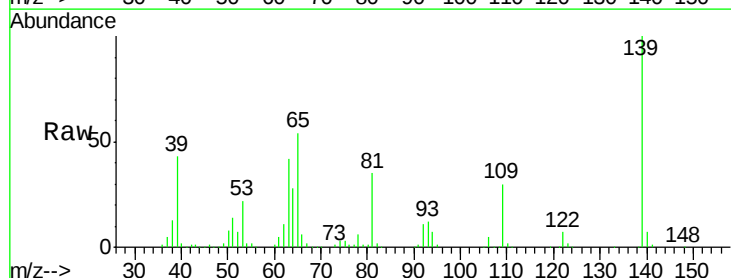
Tgt Ion: 139 Resp: 301167

Ion Ratio Lower Upper

139 100

109 30.4 25.4 38.2

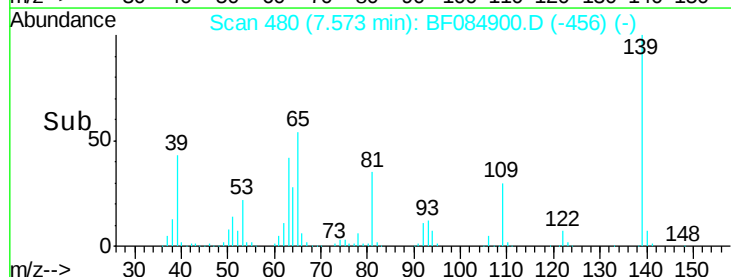
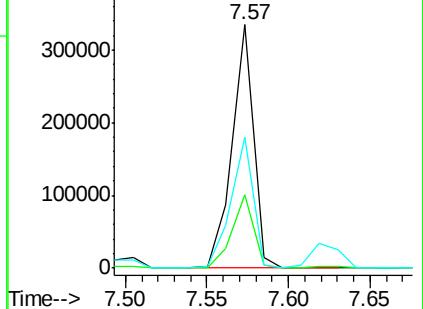
65 53.7 32.3 48.5#

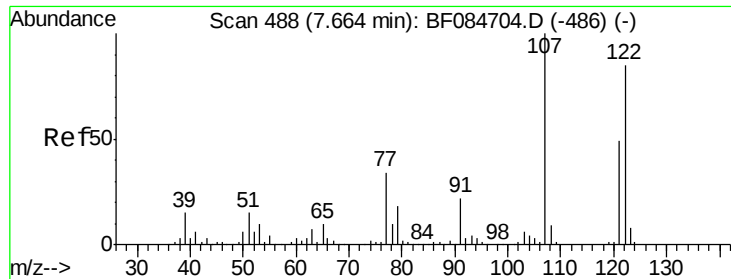


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#27

2,4-Dimethylphenol

Concen: 41.05 ng

RT: 7.63 min Scan# 485

Delta R.T. -0.02 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

Instrument :

BNA_F

ClientSampleId :

S4-B009(5-7)MSD

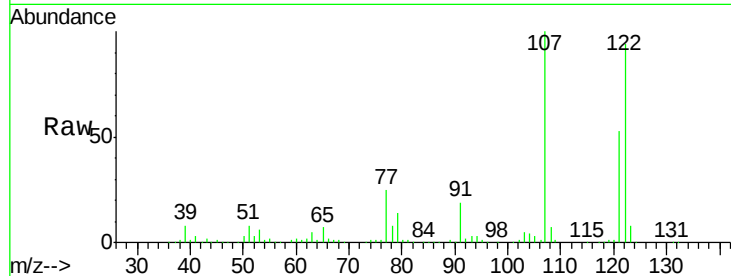
Tgt Ion:122 Resp: 469399

Ion Ratio Lower Upper

122 100

107 106.3 99.1 148.7

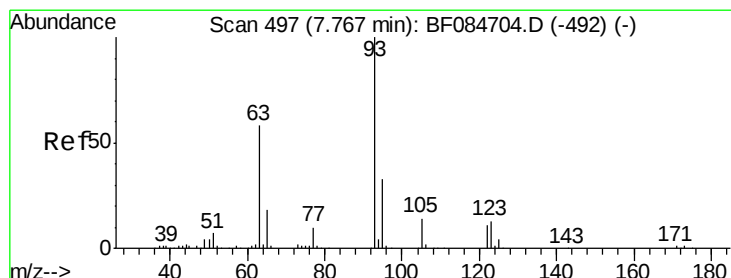
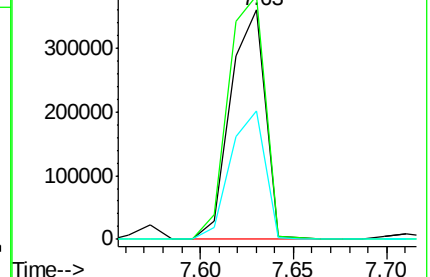
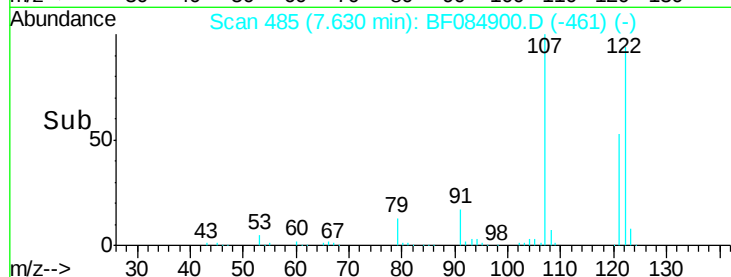
121 56.3 47.9 71.9



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 44.07 ng

RT: 7.71 min Scan# 492

Delta R.T. -0.03 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

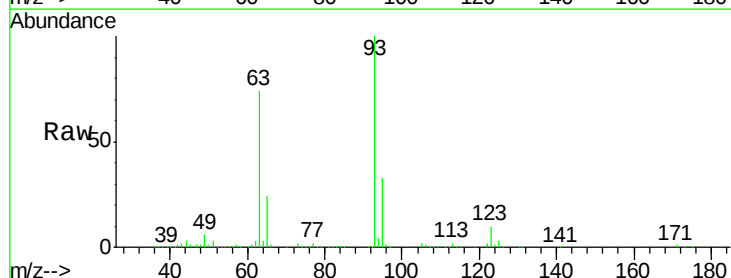
Tgt Ion: 93 Resp: 632693

Ion Ratio Lower Upper

93 100

95 32.6 25.8 38.6

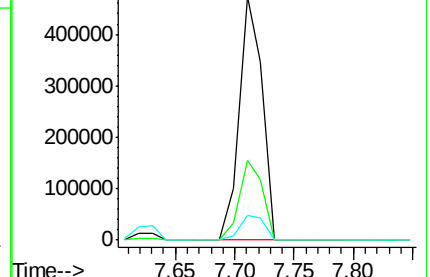
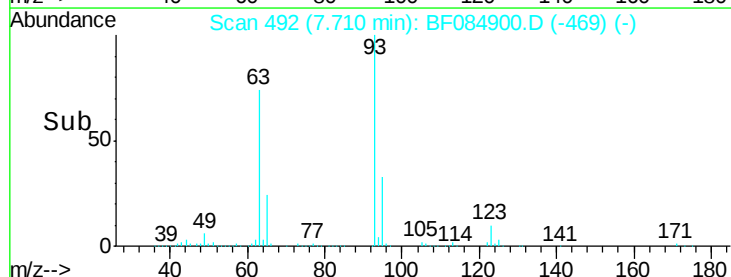
123 10.1 8.6 12.8

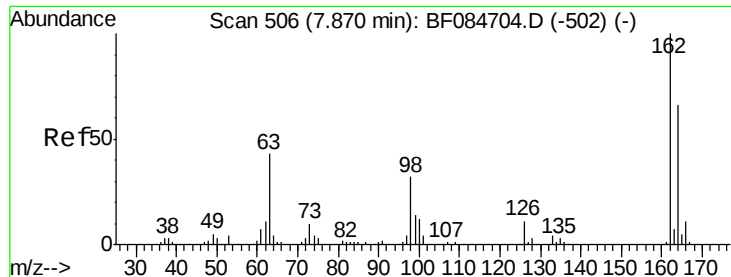


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

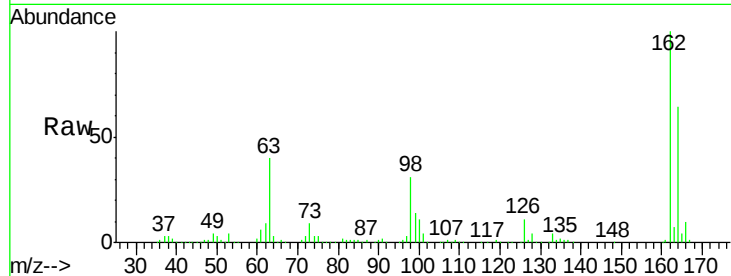




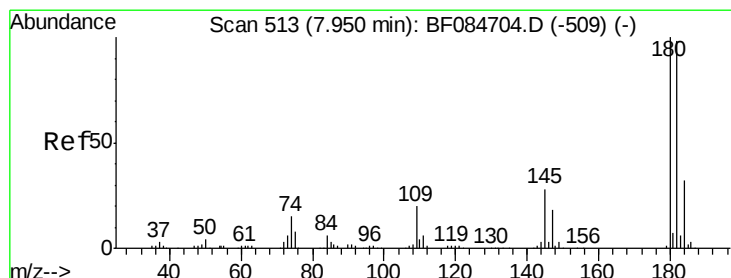
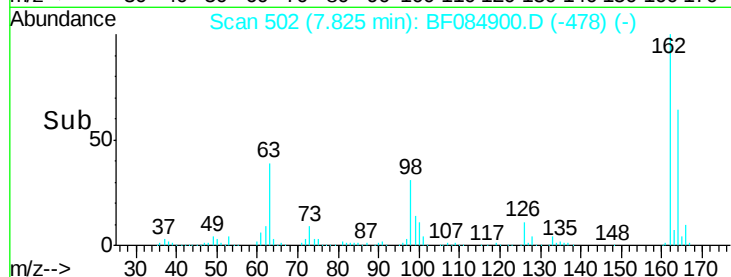
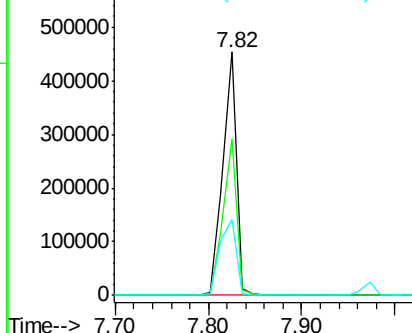
#29
 2,4-Dichlorophenol
 Concen: 46.62 ng
 RT: 7.82 min Scan# 502
 Delta R.T. -0.02 min
 Lab File: BF084900.D
 Acq: 6 Feb 2016 9:55

Instrument :
 BNA_F
 ClientSampleId :
 S4-B009(5-7)MSD

Tgt Ion	Ratio	Lower	Upper
162	100		
164	64.5	44.1	84.1
98	31.3	20.2	60.2

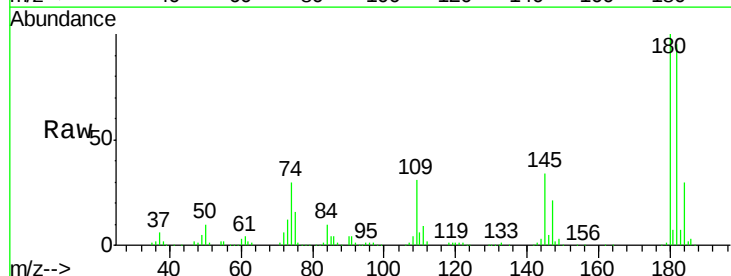


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF0

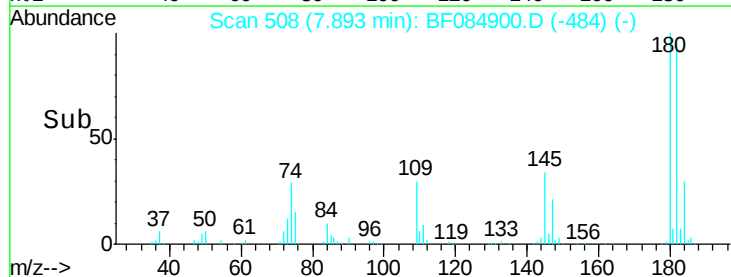
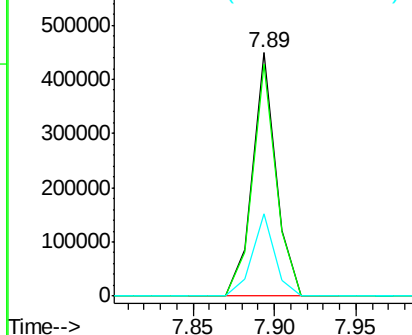


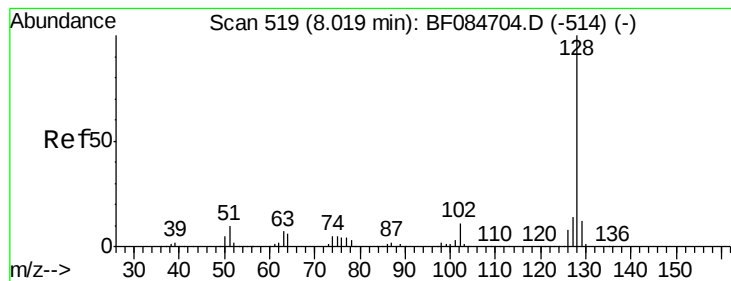
#30
 1,2,4-Trichlorobenzene
 Concen: 40.85 ng
 RT: 7.89 min Scan# 508
 Delta R.T. -0.02 min
 Lab File: BF084900.D
 Acq: 6 Feb 2016 9:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.4	114.6
145	33.7	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: 43.31 ng

RT: 7.97 min Scan# 515

Delta R.T. -0.02 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

Instrument :

BNA_F

ClientSampleId :

S4-B009(5-7)MSD

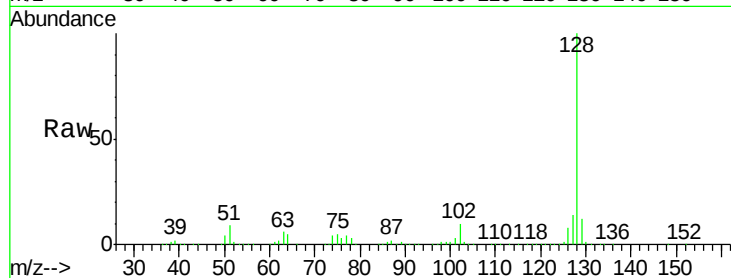
Tgt Ion:128 Resp: 1523207

Ion Ratio Lower Upper

128 100

129 12.1 9.1 13.7

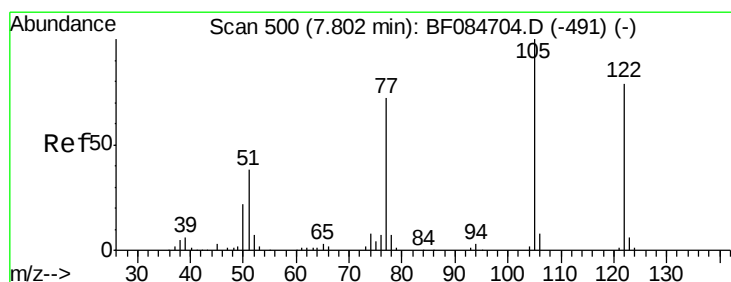
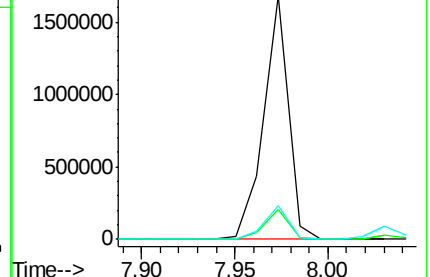
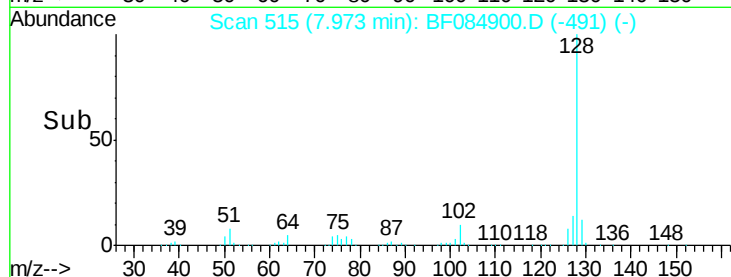
127 14.0 11.1 16.7



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: 64.19 ng

RT: 7.63 min Scan# 485

Delta R.T. -0.16 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

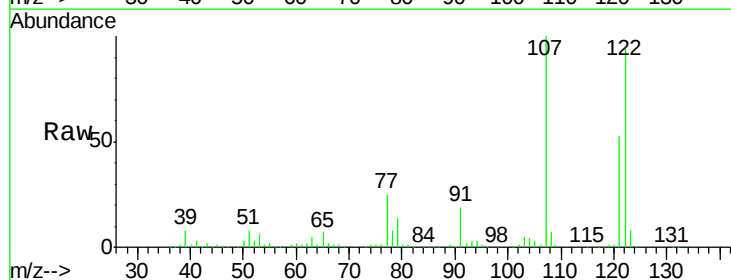
Tgt Ion:122 Resp: 469399

Ion Ratio Lower Upper

122 100

105 3.3 100.3 140.3#

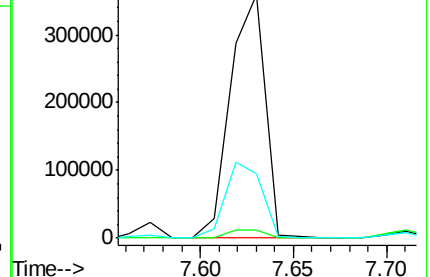
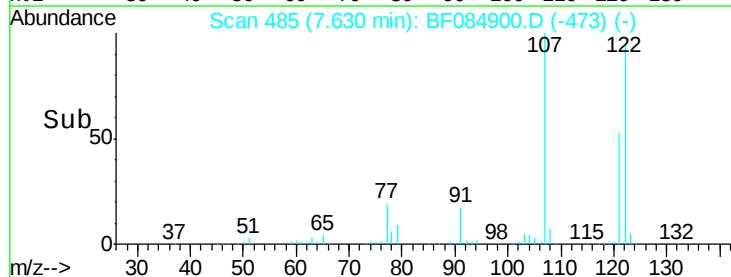
77 26.3 63.5 103.5#

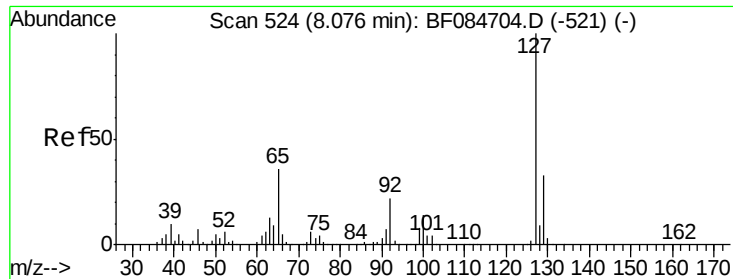


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

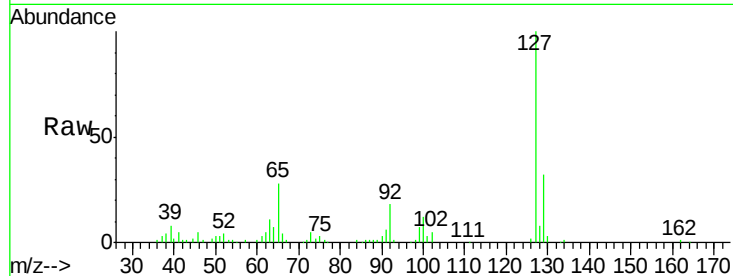




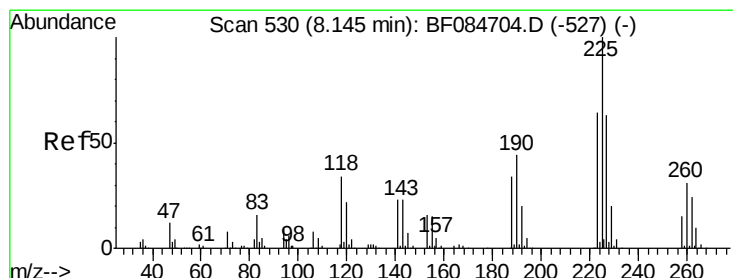
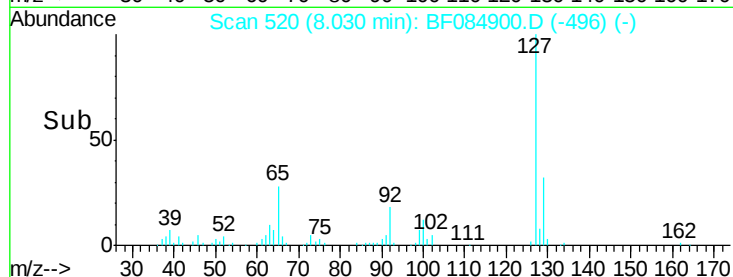
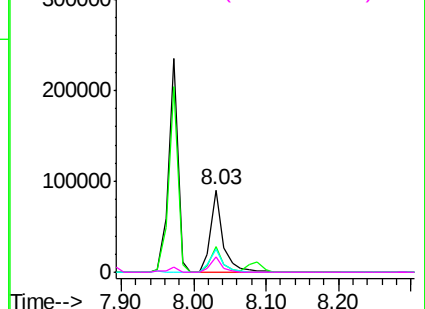
#33
4-Chloroaniline
Concen: 7.51 ng
RT: 8.03 min Scan# 520
Delta R.T. -0.02 min
Lab File: BF084900.D
Acq: 6 Feb 2016 9:55

Instrument :
BNA_F
ClientSampleId :
S4-B009(5-7)MSD

Tgt Ion:	127	Resp:	109246
Ion	Ratio	Lower	Upper
127	100		
129	31.7	26.5	39.7
65	27.7	27.2	40.8
92	18.3	17.7	26.5

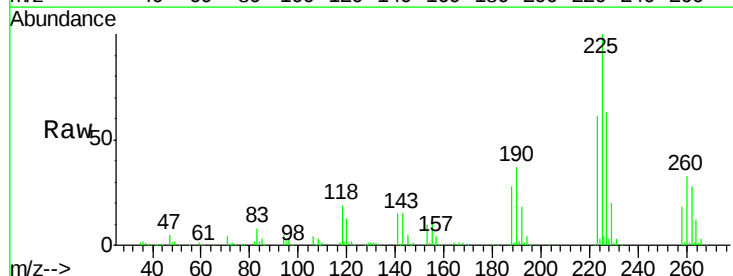


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

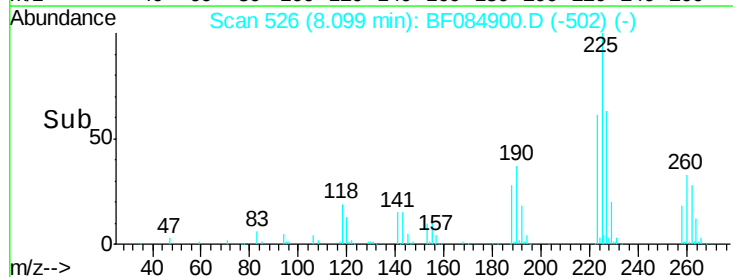
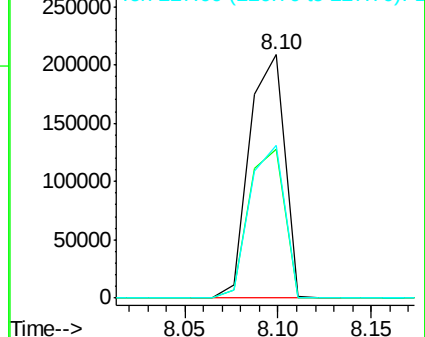


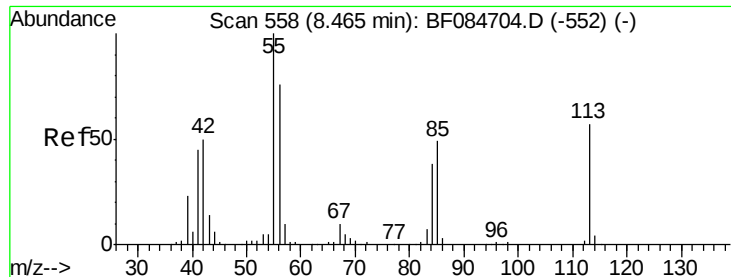
#34
Hexachlorobutadiene
Concen: 42.63 ng
RT: 8.10 min Scan# 526
Delta R.T. -0.02 min
Lab File: BF084900.D
Acq: 6 Feb 2016 9:55

Tgt Ion:	225	Resp:	271620
Ion	Ratio	Lower	Upper
225	100		
223	61.1	49.4	74.0
227	62.9	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

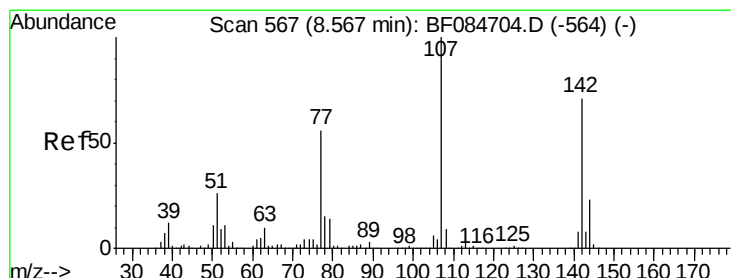
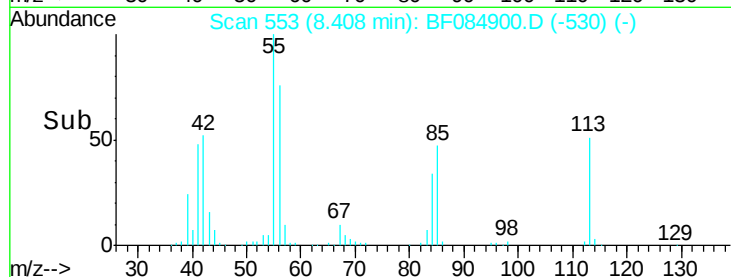
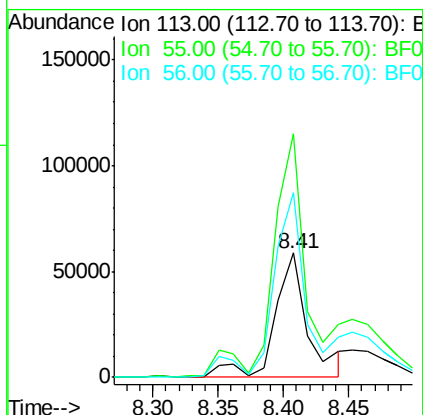
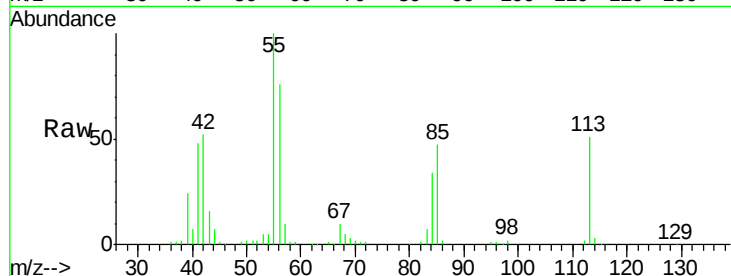




#35
 Caprolactam
 Concen: 34.47 ng
 RT: 8.41 min Scan# 553
 Delta R.T. -0.03 min
 Lab File: BF084900.D
 Acq: 6 Feb 2016 9:55

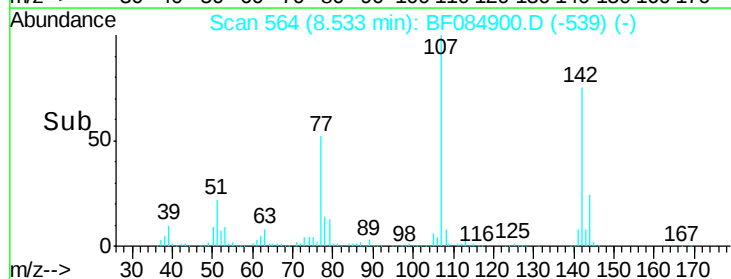
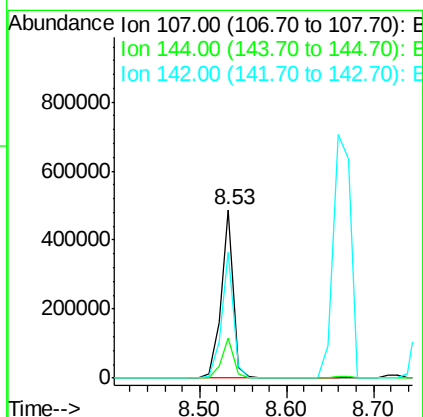
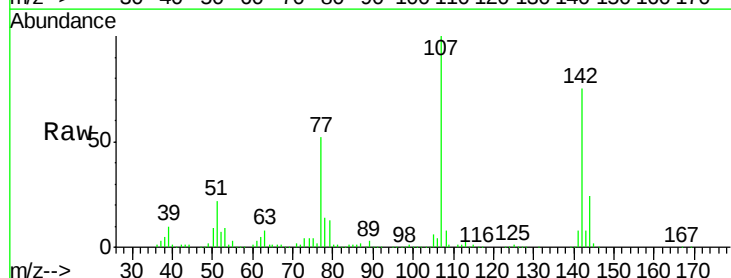
Instrument :
 BNA_F
 ClientSampleId :
 S4-B009(5-7)MSD

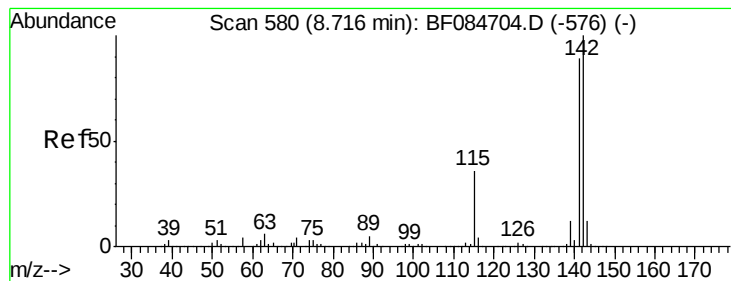
Tgt Ion:113 Resp: 103942
 Ion Ratio Lower Upper
 113 100
 55 195.8 116.9 156.9#
 56 148.3 93.8 133.8#



#36
 4-Chloro-3-methylphenol
 Concen: 42.89 ng
 RT: 8.53 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: BF084900.D
 Acq: 6 Feb 2016 9:55

Tgt Ion:107 Resp: 478690
 Ion Ratio Lower Upper
 107 100
 144 24.1 19.7 29.5
 142 75.0 61.8 92.6





#37

2-Methylnaphthalene

Concen: 44.85 ng

RT: 8.66 min Scan# 575

Delta R.T. -0.03 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

Instrument :

BNA_F

ClientSampleId :

S4-B009(5-7)MSD

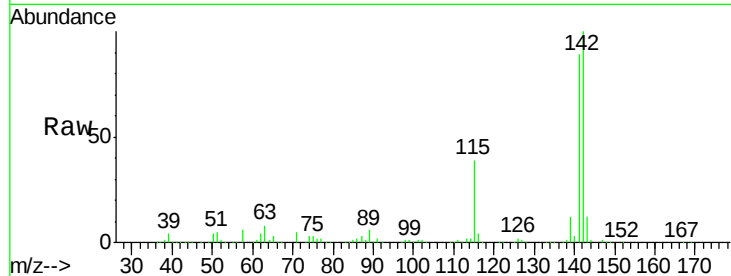
Tgt Ion:142 Resp: 987144

Ion Ratio Lower Upper

142 100

141 88.7 72.4 108.6

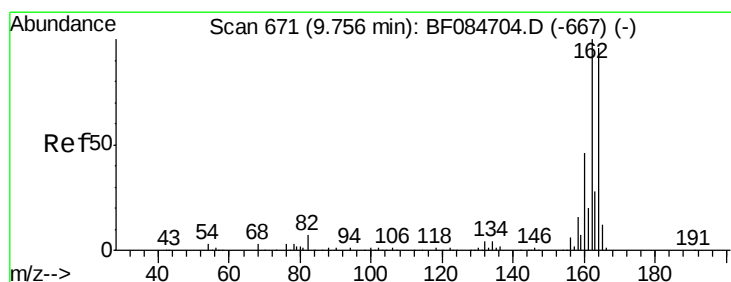
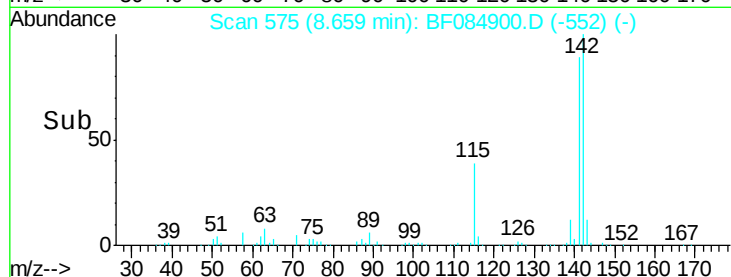
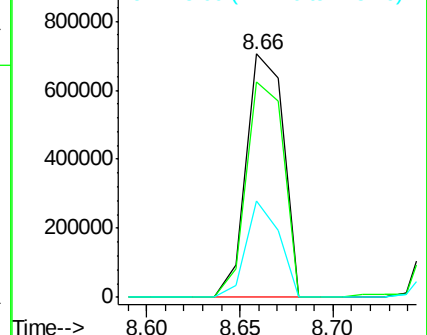
115 39.4 27.9 41.9



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: 9.70 min Scan# 666

Delta R.T. -0.03 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

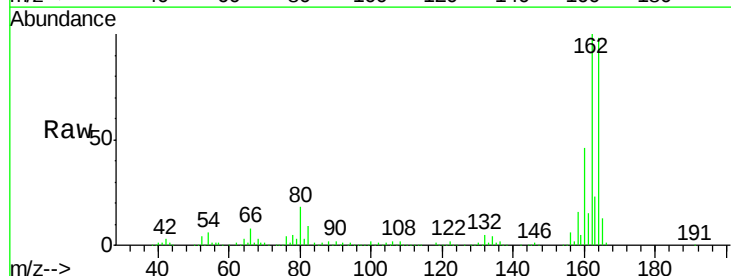
Tgt Ion:164 Resp: 306882

Ion Ratio Lower Upper

164 100

162 102.2 85.1 127.7

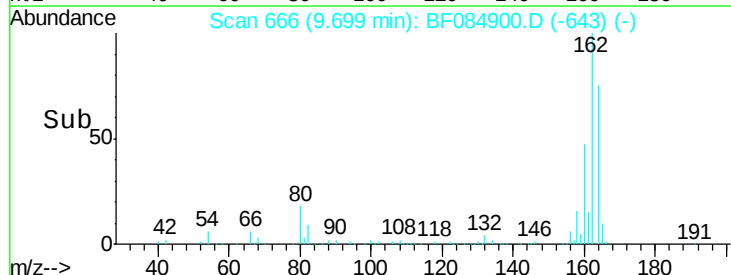
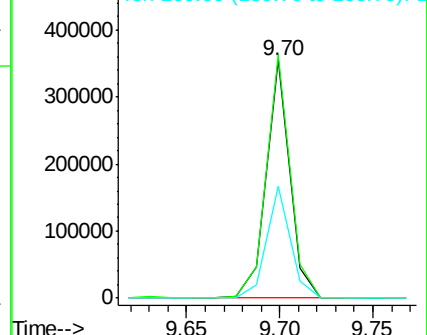
160 46.7 37.5 56.3

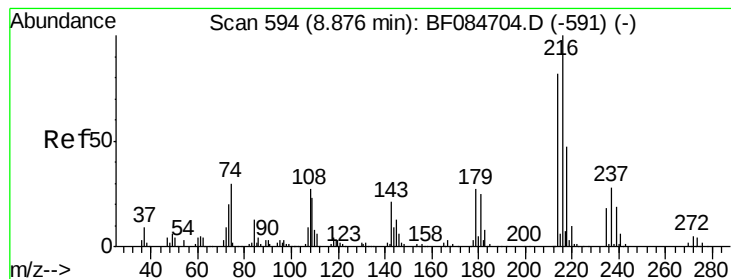


Abundance Ion 164.00 (163.70 to 164.70): E

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: 43.19 ng

RT: 8.83 min Scan# 590

Delta R.T. -0.02 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

Instrument :

BNA_F

ClientSampleId :

S4-B009(5-7)MSD

Tgt Ion:216 Resp: 420939

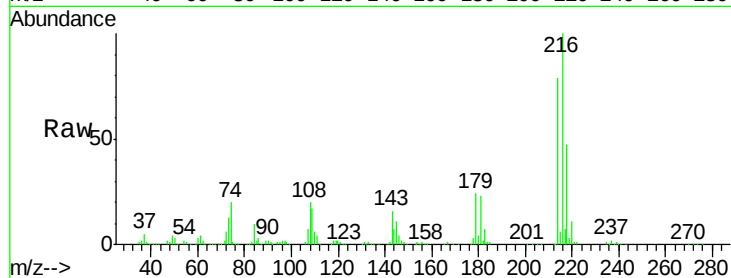
Ion Ratio Lower Upper

216 100

214 79.1 64.2 96.2

179 23.4 18.7 28.1

108 22.3 16.8 25.2

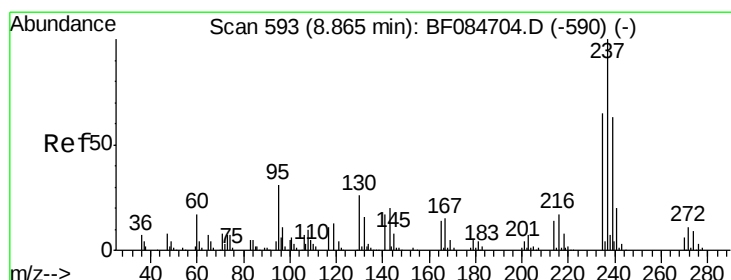
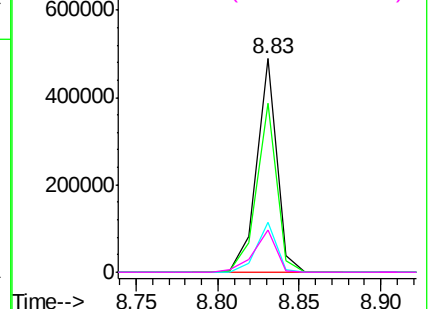
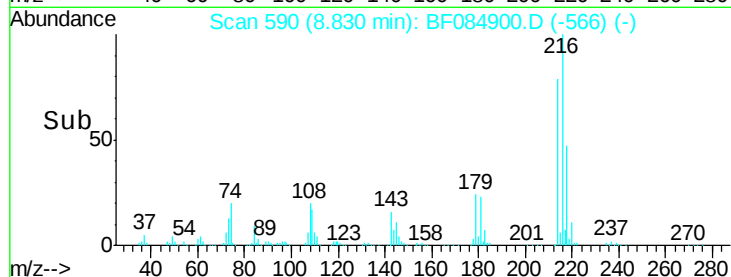


Abundance Ion 216.00 (215.70 to 216.70): E

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: 59.87 ng

RT: 8.82 min Scan# 589

Delta R.T. -0.02 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

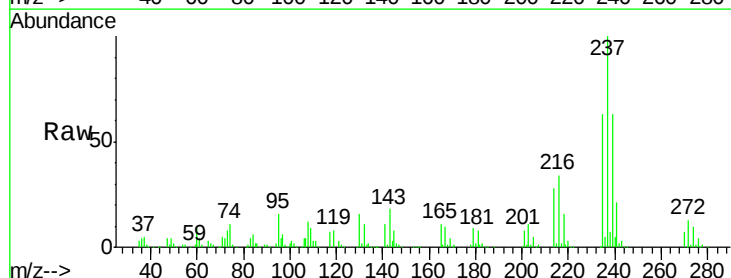
Tgt Ion:237 Resp: 230772

Ion Ratio Lower Upper

237 100

235 63.1 43.1 83.1

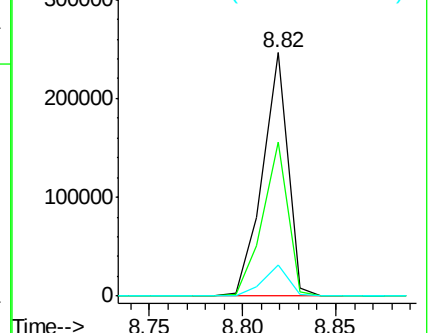
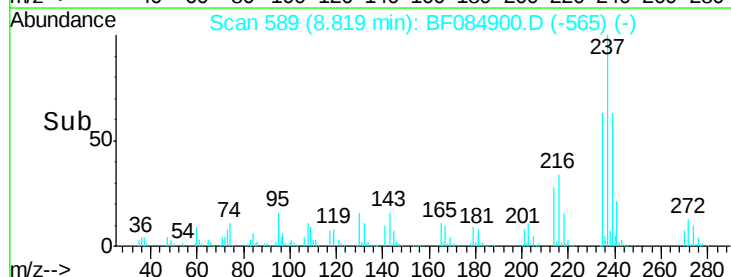
272 12.7 0.0 35.1



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

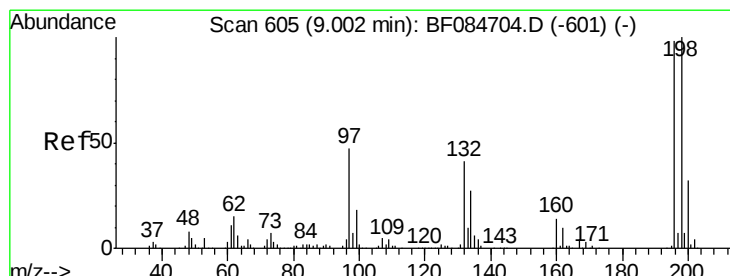
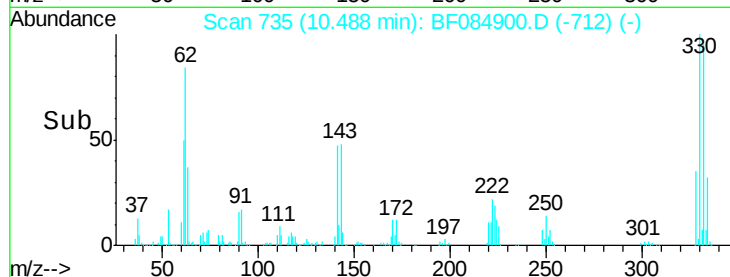
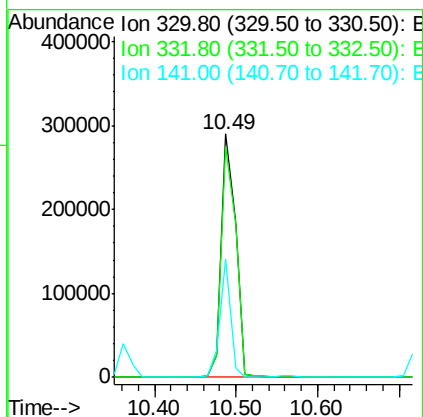
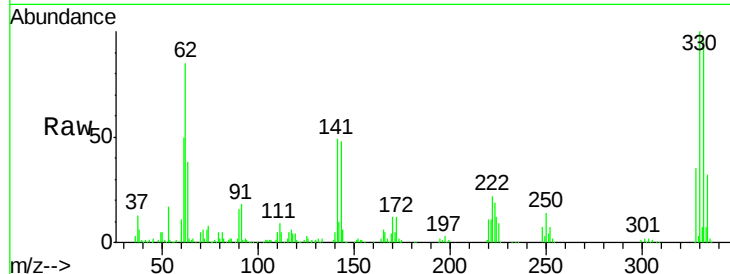




#41
 2,4,6-Tribromophenol
 Concen: 109.67 ng
 RT: 10.49 min Scan# 735
 Delta R.T. -0.03 min
 Lab File: BF084900.D
 Acq: 6 Feb 2016 9:55

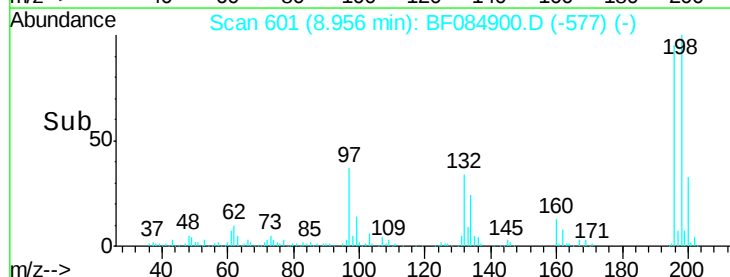
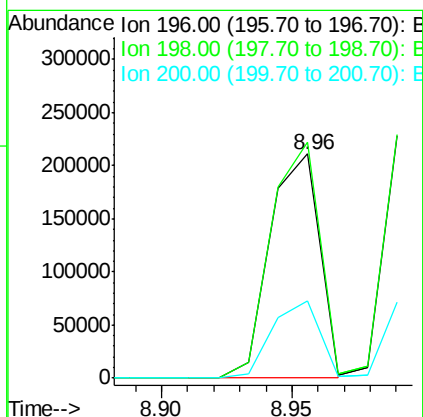
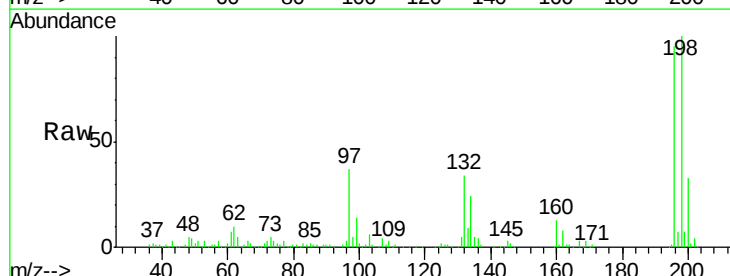
Instrument :
 BNA_F
 ClientSampleId :
 S4-B009(5-7)MSD

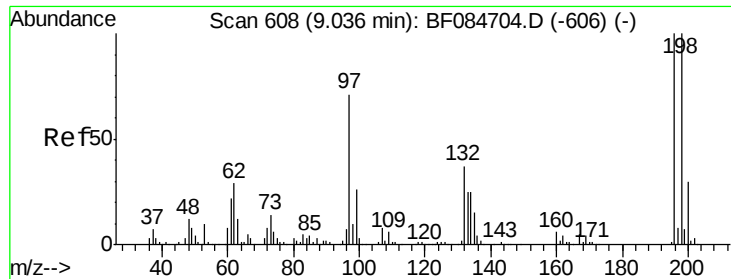
Tgt Ion:330 Resp: 351053
 Ion Ratio Lower Upper
 330 100
 332 97.1 76.6 114.8
 141 36.6 27.8 41.6



#42
 2,4,6-Trichlorophenol
 Concen: 44.55 ng
 RT: 8.96 min Scan# 601
 Delta R.T. -0.02 min
 Lab File: BF084900.D
 Acq: 6 Feb 2016 9:55

Tgt Ion:196 Resp: 279722
 Ion Ratio Lower Upper
 196 100
 198 105.4 77.7 116.5
 200 34.6 24.6 37.0

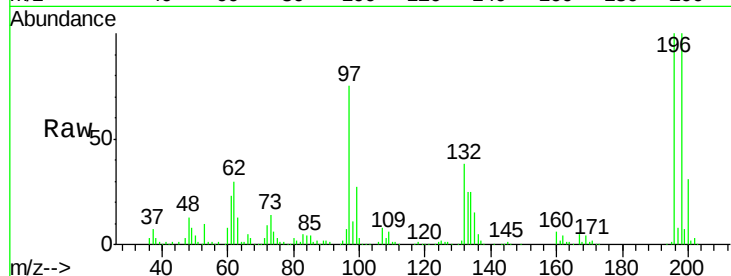




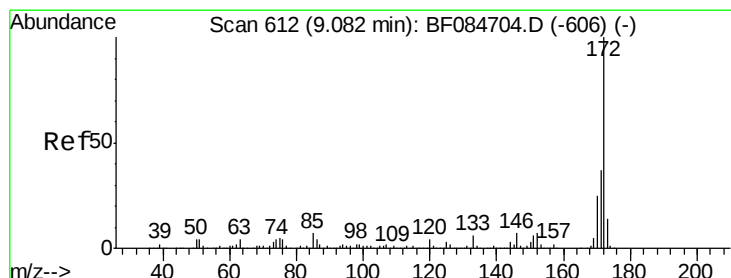
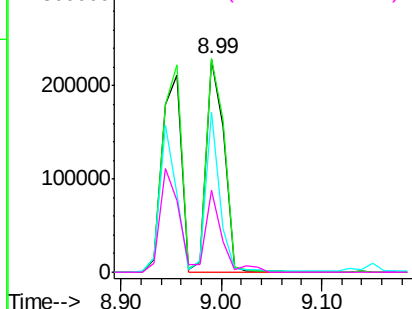
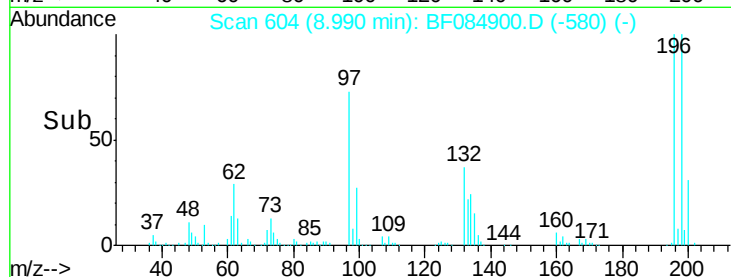
#43
 2,4,5-Trichlorophenol
 Concen: 43.66 ng
 RT: 8.99 min Scan# 604
 Delta R.T. -0.02 min
 Lab File: BF084900.D
 Acq: 6 Feb 2016 9:55

Instrument :
 BNA_F
 ClientSampleId :
 S4-B009(5-7)MSD

Tgt Ion:196 Resp: 278526
 Ion Ratio Lower Upper
 196 100
 198 100.3 79.0 118.6
 97 74.9 33.0 49.6#
 132 38.5 21.1 31.7#

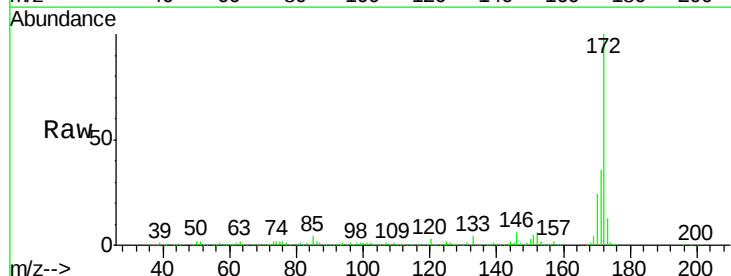


Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 97.00 (96.70 to 97.70): BF0
 Ion 132.00 (131.70 to 132.70): E

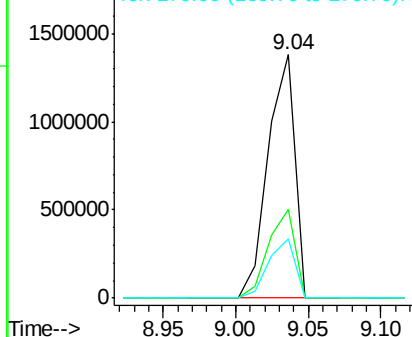
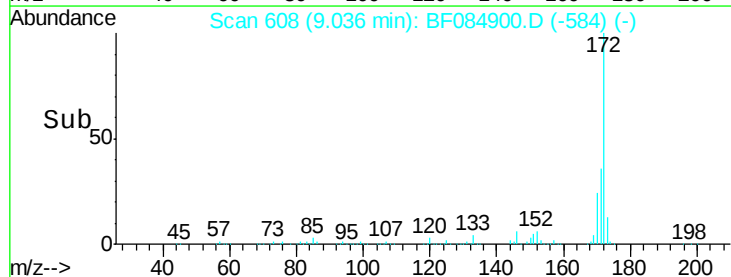


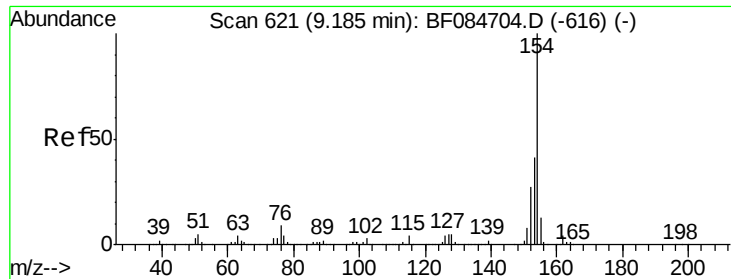
#44
 2-Fluorobiphenyl
 Concen: 105.83 ng
 RT: 9.04 min Scan# 608
 Delta R.T. -0.02 min
 Lab File: BF084900.D
 Acq: 6 Feb 2016 9:55

Tgt Ion:172 Resp: 1770384
 Ion Ratio Lower Upper
 172 100
 171 36.3 28.9 43.3
 170 24.4 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

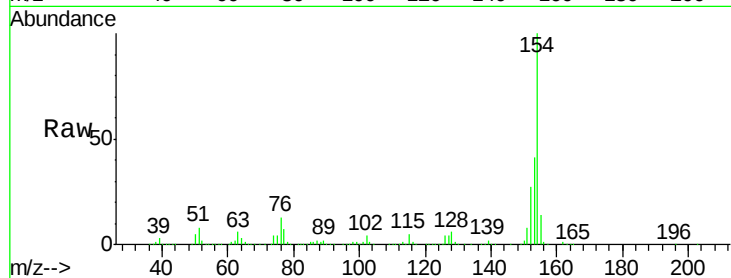




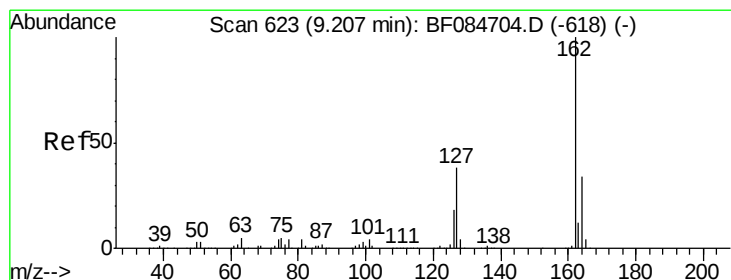
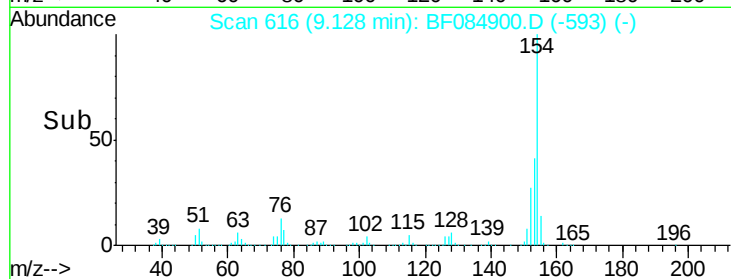
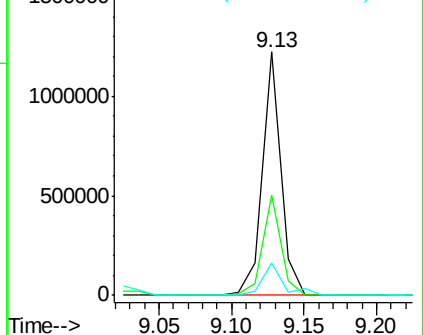
#45
 1,1'-Biphenyl
 Concen: 39.53 ng
 RT: 9.13 min Scan# 616
 Delta R.T. -0.03 min
 Lab File: BF084900.D
 Acq: 6 Feb 2016 9:55

Instrument :
 BNA_F
 ClientSampleId :
 S4-B009(5-7)MSD

Tgt Ion:154 Resp: 1083590
 Ion Ratio Lower Upper
 154 100
 153 41.1 21.6 61.6
 76 13.1 0.0 32.7

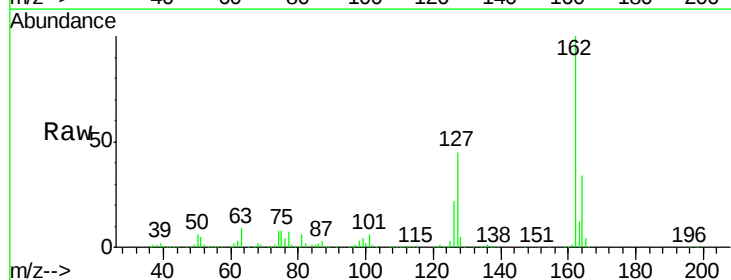


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF0

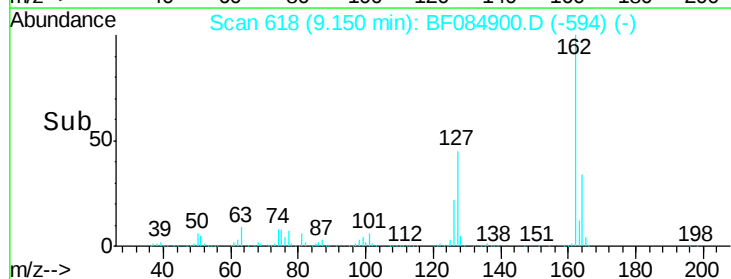
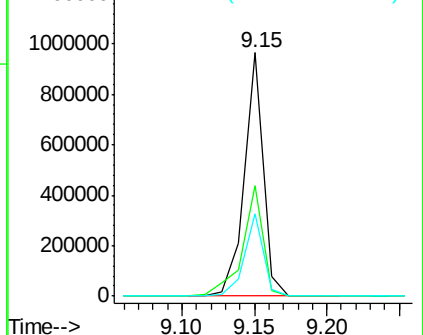


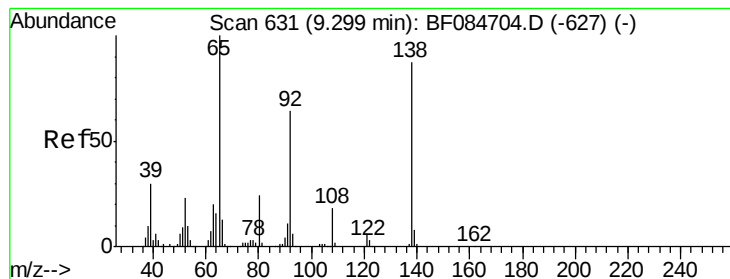
#46
 2-Chloronaphthalene
 Concen: 43.05 ng
 RT: 9.15 min Scan# 618
 Delta R.T. -0.02 min
 Lab File: BF084900.D
 Acq: 6 Feb 2016 9:55

Tgt Ion:162 Resp: 868950
 Ion Ratio Lower Upper
 162 100
 127 45.3 40.2 60.4
 164 33.7 25.7 38.5



Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E





#47

2-Nitroaniline

Concen: 42.79 ng

RT: 9.25 min Scan# 627

Delta R.T. -0.02 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

Instrument :

BNA_F

ClientSampleId :

S4-B009(5-7)MSD

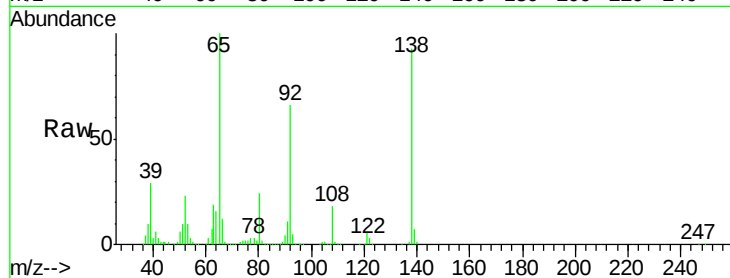
Tgt Ion: 65 Resp: 273520

Ion Ratio Lower Upper

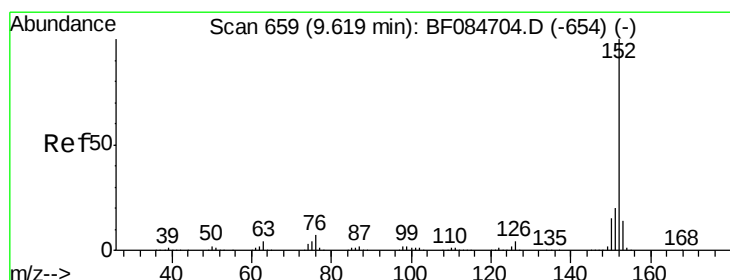
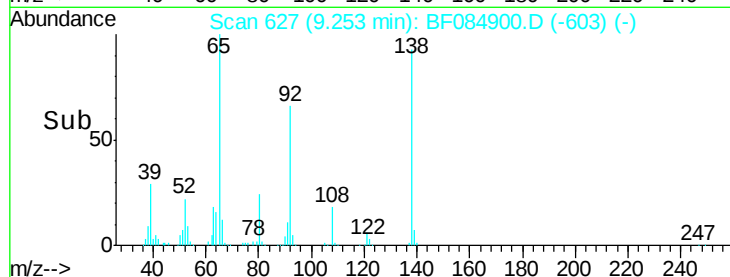
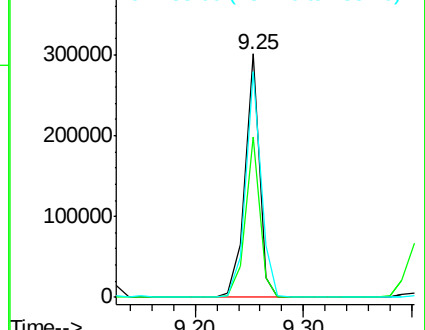
65 100

92 66.1 53.4 80.2

138 92.6 71.1 106.7



Abundance Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0
Ion 138.00 (137.70 to 138.70): E



#48

Acenaphthylene

Concen: 39.24 ng

RT: 9.56 min Scan# 654

Delta R.T. -0.03 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

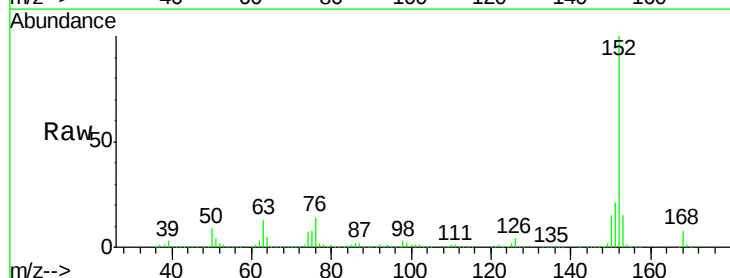
Tgt Ion: 152 Resp: 1201869

Ion Ratio Lower Upper

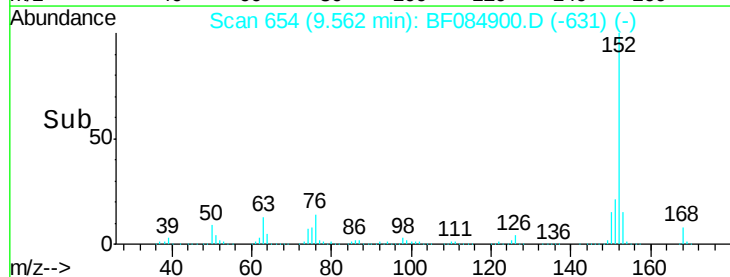
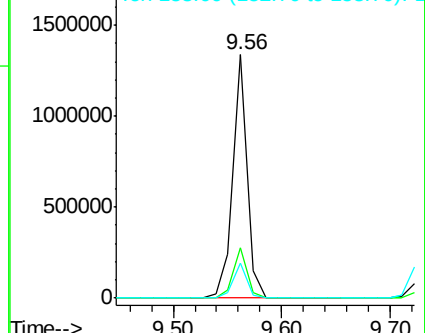
152 100

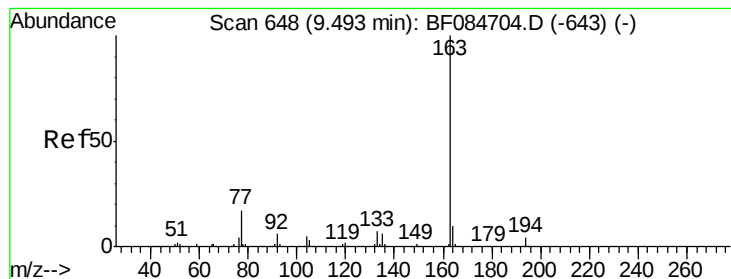
151 20.8 16.3 24.5

153 14.5 10.4 15.6



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 67.85 ng

RT: 9.45 min Scan# 644

Delta R.T. -0.02 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

Instrument :

BNA_F

ClientSampleId :

S4-B009(5-7)MSD

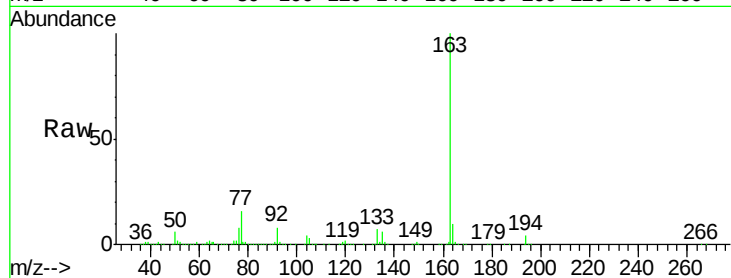
Tgt Ion:163 Resp: 1585845

Ion Ratio Lower Upper

163 100

194 3.5 8.0 12.0#

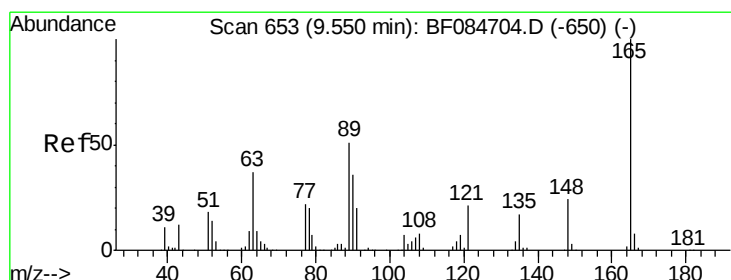
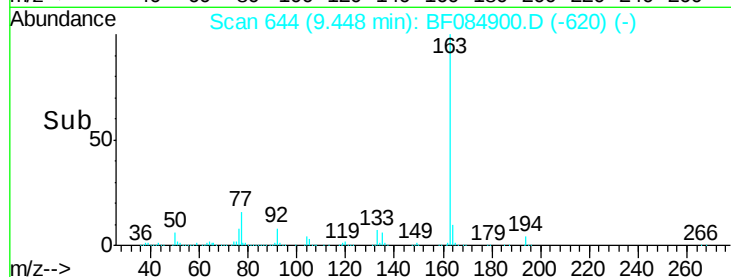
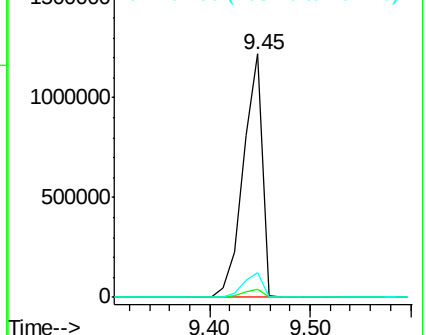
164 10.1 8.0 12.0



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: 49.16 ng

RT: 9.50 min Scan# 649

Delta R.T. -0.02 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

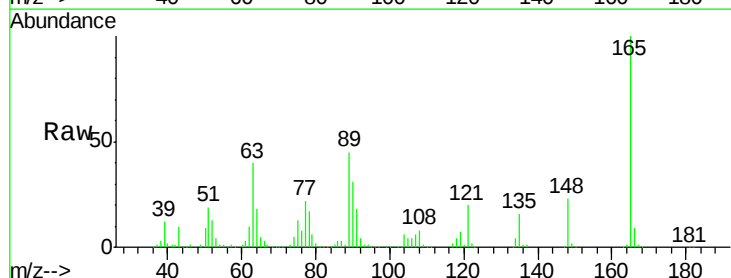
Tgt Ion:165 Resp: 251020

Ion Ratio Lower Upper

165 100

63 40.1 28.8 43.2

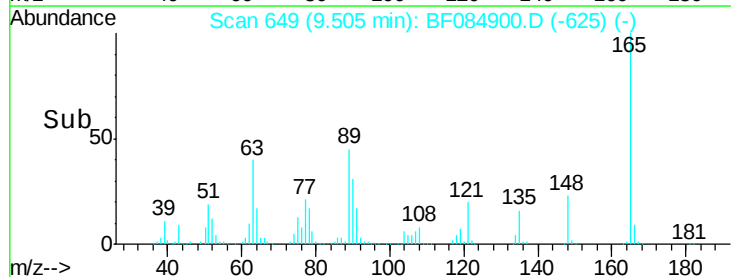
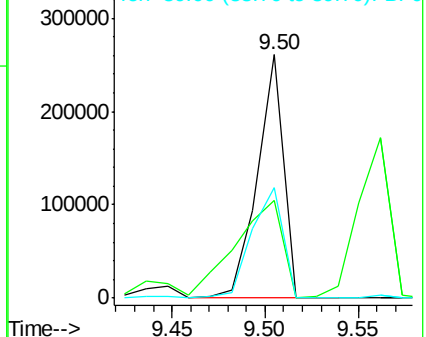
89 45.4 35.1 52.7

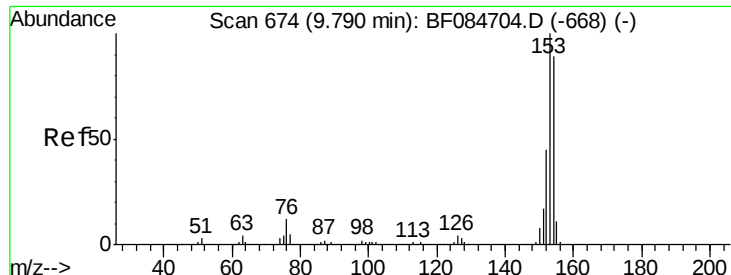


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 38.62 ng

RT: 9.73 min Scan# 669

Delta R.T. -0.03 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

Instrument :

BNA_F

ClientSampleId :

S4-B009(5-7)MSD

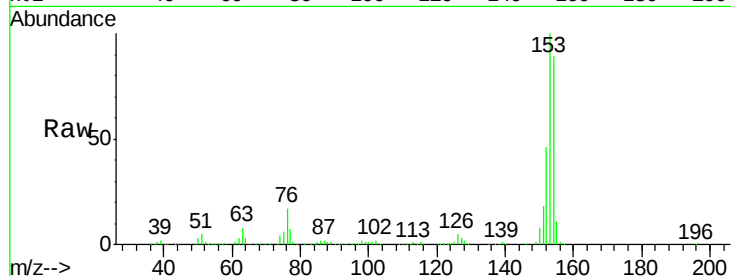
Tgt Ion:154 Resp: 769630

Ion Ratio Lower Upper

154 100

153 112.8 91.5 137.3

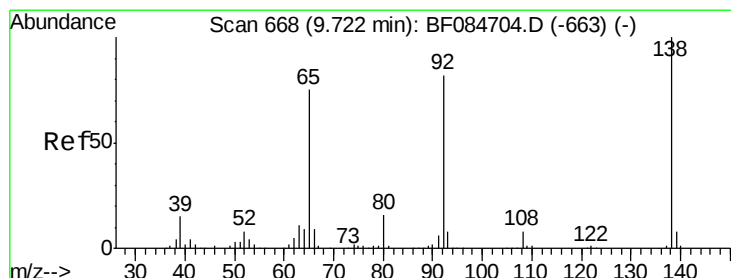
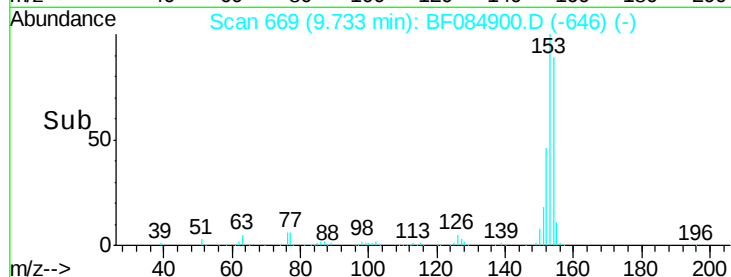
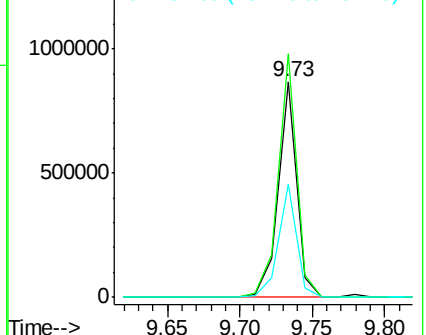
152 52.2 43.0 64.6



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: 24.80 ng

RT: 9.66 min Scan# 663

Delta R.T. -0.03 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

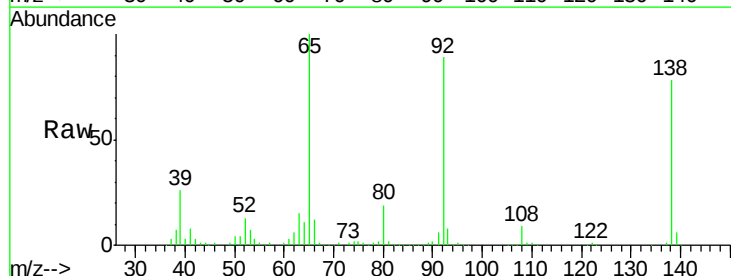
Tgt Ion:138 Resp: 142276

Ion Ratio Lower Upper

138 100

108 10.9 10.5 15.7

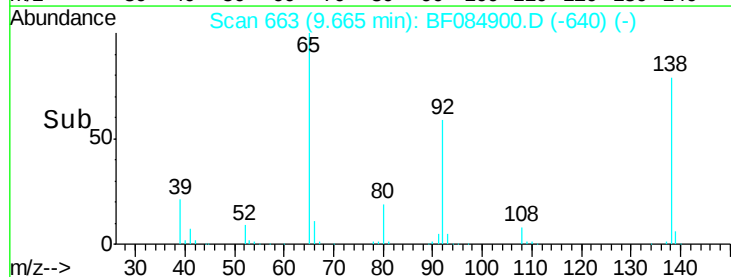
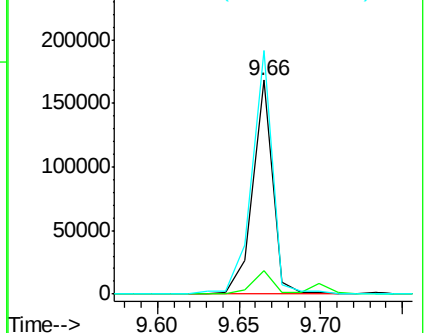
92 113.9 103.9 155.9

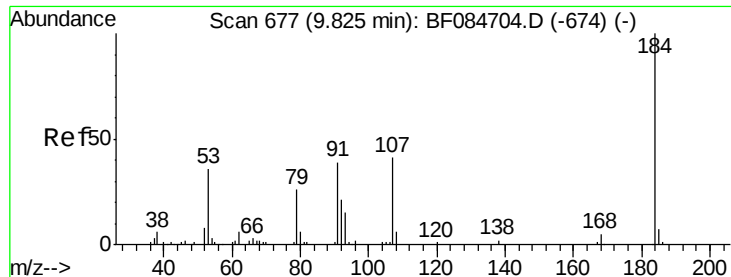


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF0

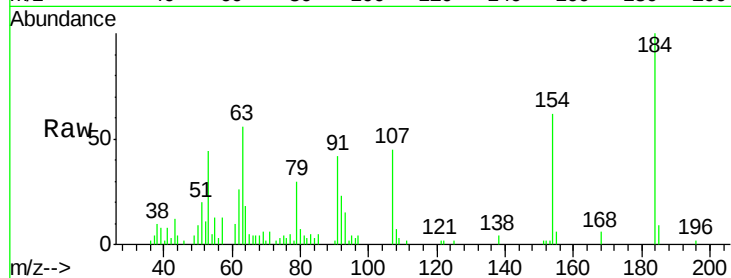




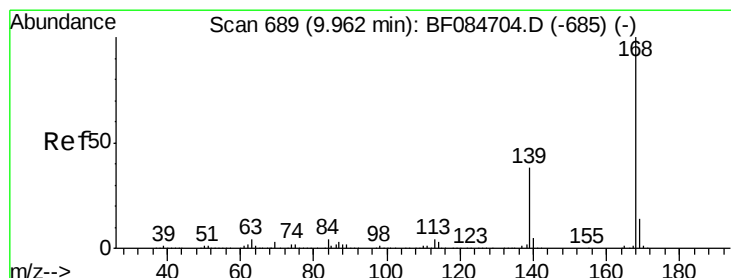
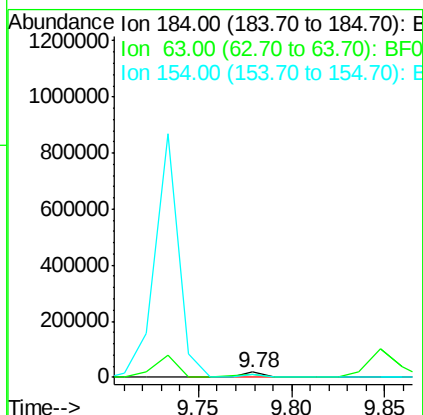
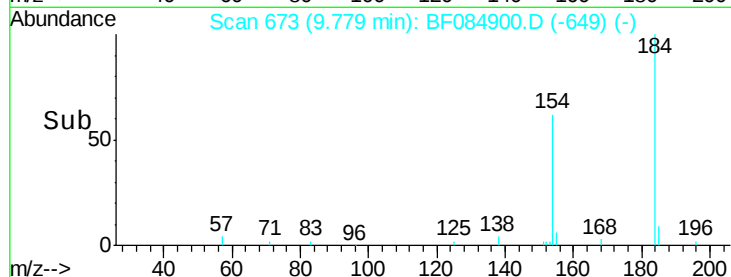
#53
 2,4-Dinitrophenol
 Concen: 13.44 ng
 RT: 9.78 min Scan# 673
 Delta R.T. -0.02 min
 Lab File: BF084900.D
 Acq: 6 Feb 2016 9:55

Instrument :
 BNA_F
 ClientSampleId :
 S4-B009(5-7)MSD

Tgt Ion:184 Resp: 19410
 Ion Ratio Lower Upper
 184 100
 63 56.1 43.1 64.7
 154 62.1 60.5 90.7

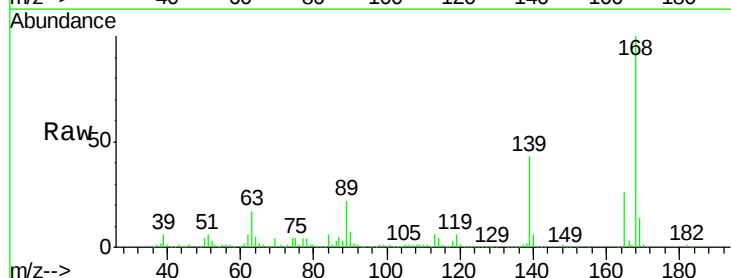


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 154.00 (153.70 to 154.70): E

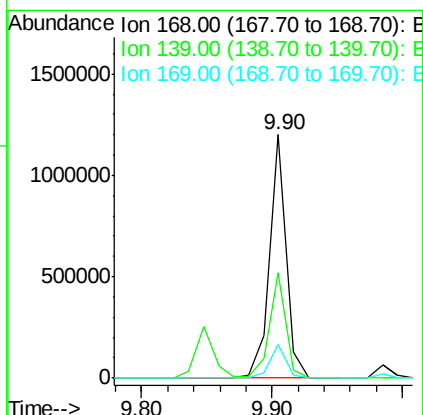
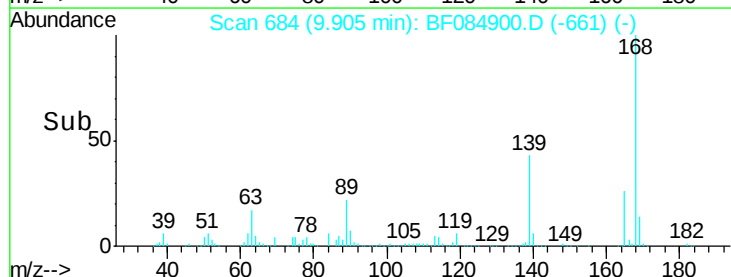


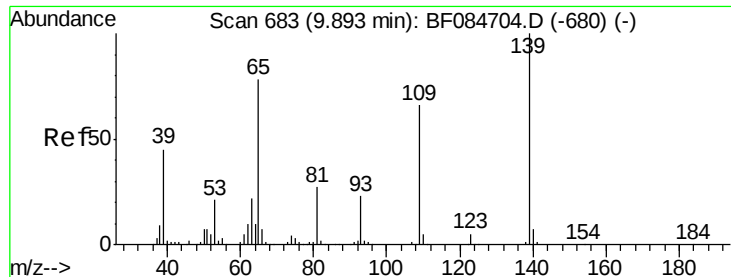
#54
 Dibenzofuran
 Concen: 43.70 ng
 RT: 9.90 min Scan# 684
 Delta R.T. -0.03 min
 Lab File: BF084900.D
 Acq: 6 Feb 2016 9:55

Tgt Ion:168 Resp: 1064289
 Ion Ratio Lower Upper
 168 100
 139 43.5 30.5 45.7
 169 13.8 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

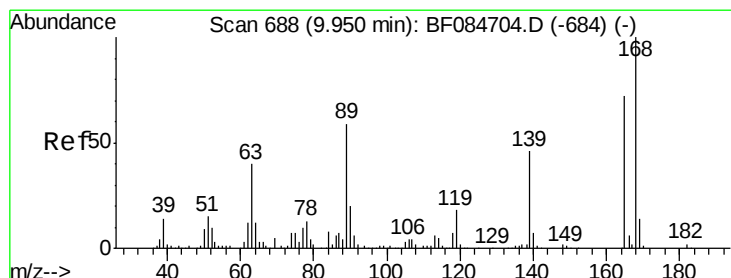
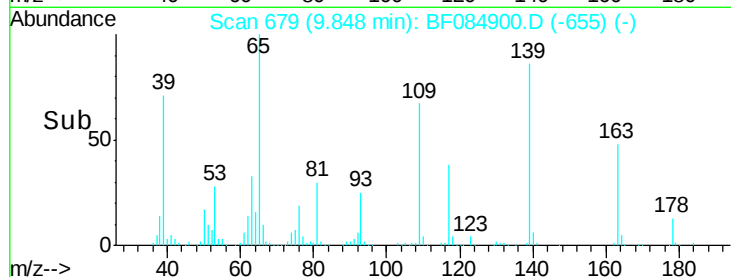
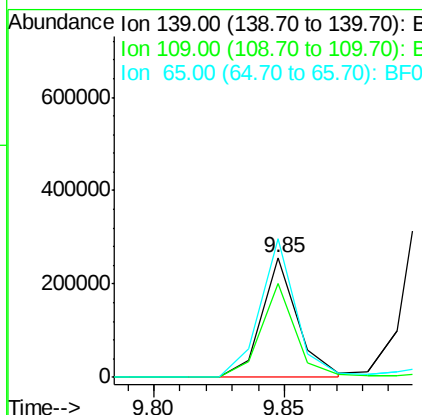
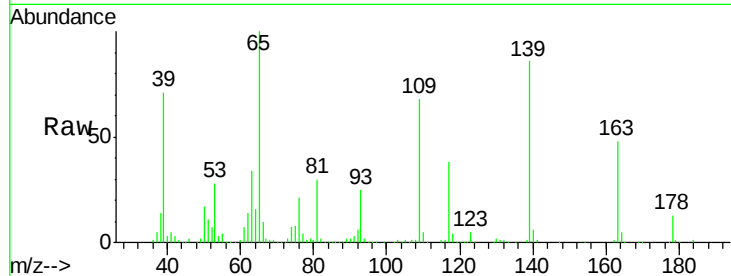




#55
4-Nitrophenol
Concen: 58.52 ng
RT: 9.85 min Scan# 679
Delta R.T. -0.02 min
Lab File: BF084900.D
Acq: 6 Feb 2016 9:55

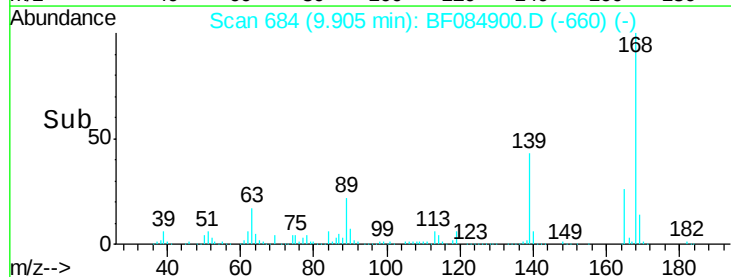
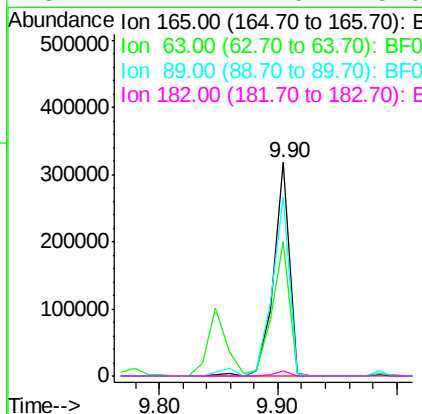
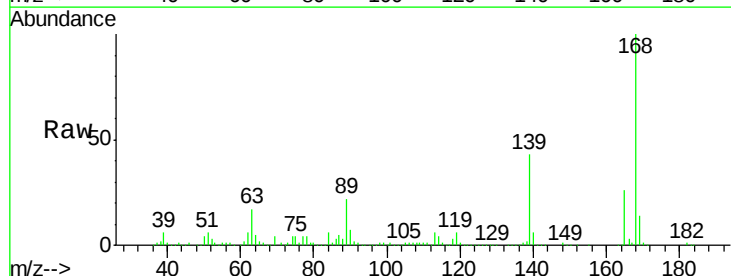
Instrument :
BNA_F
ClientSampleId :
S4-B009(5-7)MSD

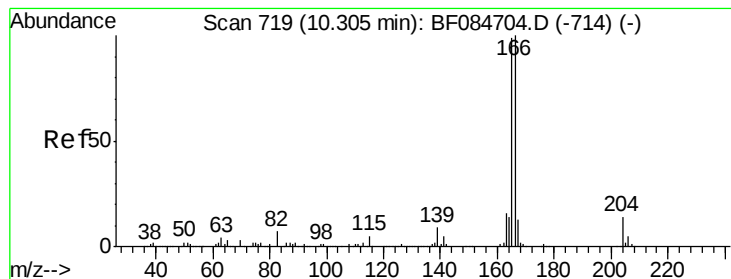
Tgt Ion:139 Resp: 246763
Ion Ratio Lower Upper
139 100
109 78.4 58.5 98.5
65 116.0 57.6 97.6#



#56
2,4-Dinitrotoluene
Concen: 45.70 ng
RT: 9.90 min Scan# 684
Delta R.T. -0.02 min
Lab File: BF084900.D
Acq: 6 Feb 2016 9:55

Tgt Ion:165 Resp: 297607
Ion Ratio Lower Upper
165 100
63 62.9 36.7 55.1#
89 83.7 61.9 92.9
182 2.2 2.0 3.0





#57

Fluorene

Concen: 42.27 ng

RT: 10.25 min Scan# 714

Delta R.T. -0.02 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

Instrument :

BNA_F

ClientSampleId :

S4-B009(5-7)MSD

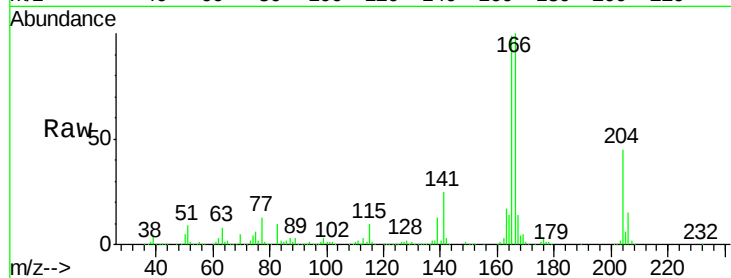
Tgt Ion:166 Resp: 859667

Ion Ratio Lower Upper

166 100

165 98.9 79.1 118.7

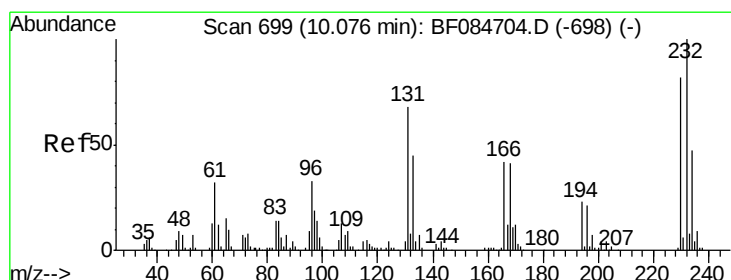
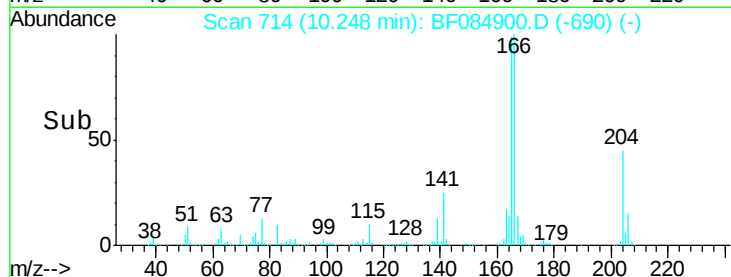
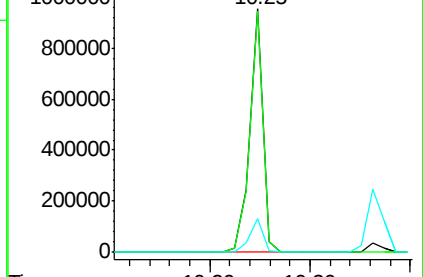
167 13.9 10.4 15.6



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: 46.27 ng

RT: 10.03 min Scan# 695

Delta R.T. -0.02 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

Tgt Ion:232 Resp: 224744

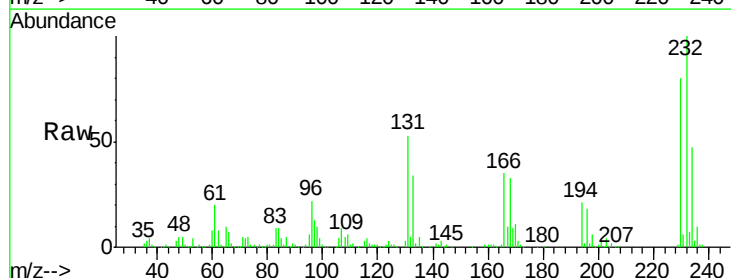
Ion Ratio Lower Upper

232 100

131 53.4 47.0 70.6

130 2.7 2.0 3.0

166 33.6 30.5 45.7

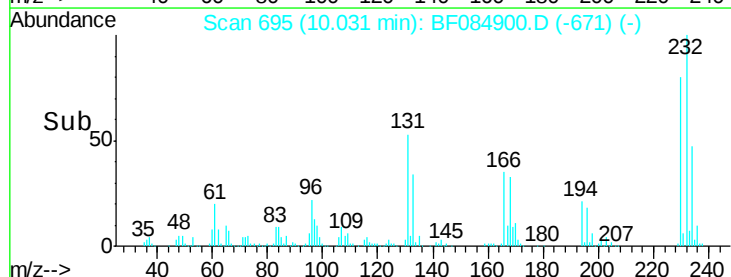
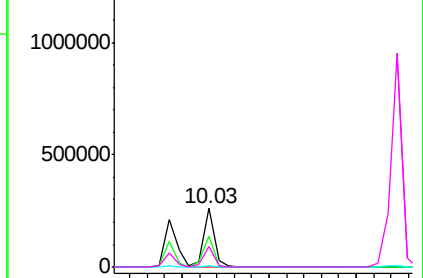


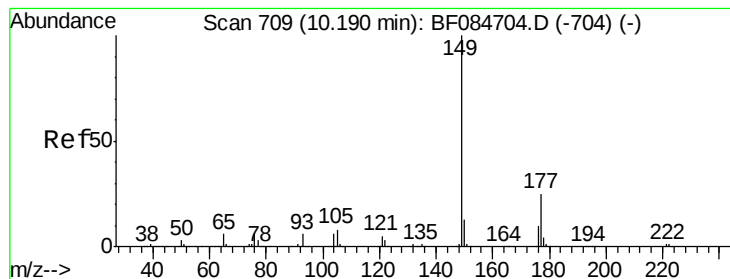
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E





#59

Diethylphthalate

Concen: 41.50 ng

RT: 10.13 min Scan# 704

Delta R.T. -0.03 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

Instrument :

BNA_F

ClientSampleId :

S4-B009(5-7)MSD

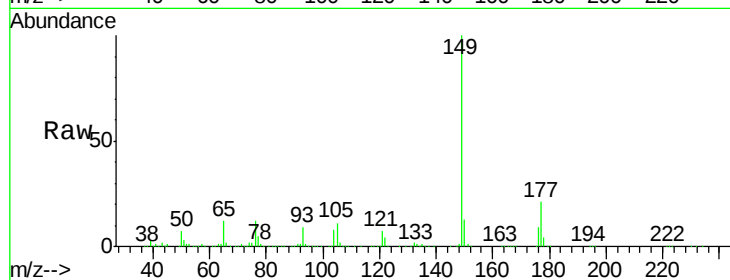
Tgt Ion:149 Resp: 947194

Ion Ratio Lower Upper

149 100

177 20.5 17.3 25.9

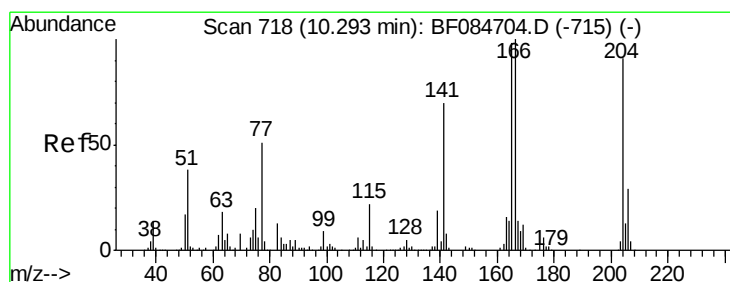
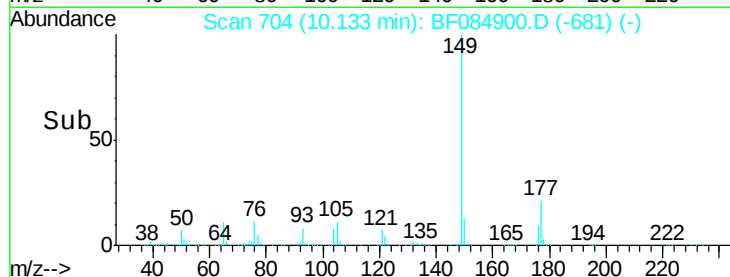
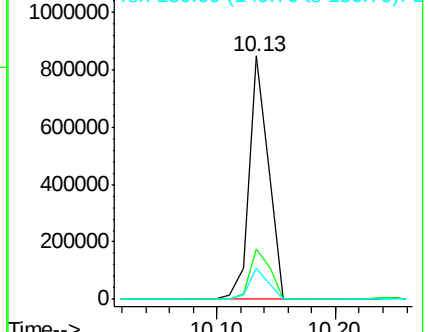
150 13.0 9.8 14.8



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: 50.73 ng

RT: 10.25 min Scan# 714

Delta R.T. -0.02 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

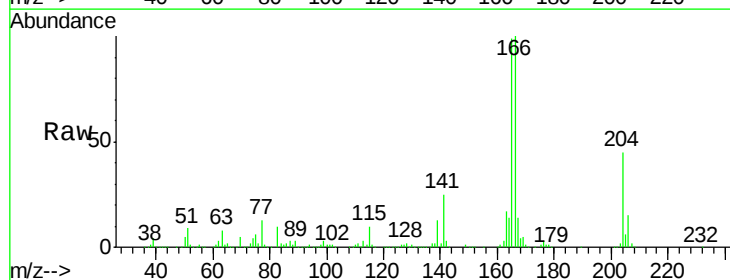
Tgt Ion:204 Resp: 425613

Ion Ratio Lower Upper

204 100

206 33.6 25.7 38.5

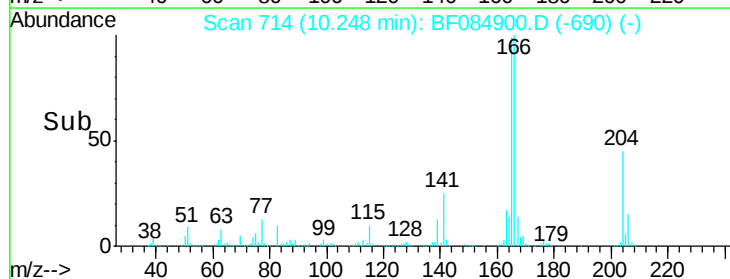
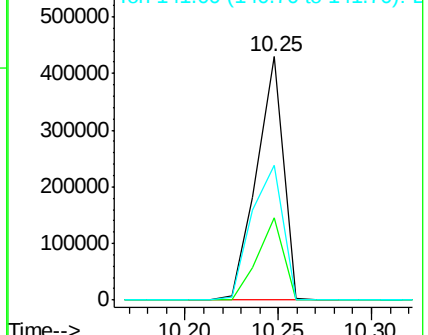
141 55.2 55.1 82.7

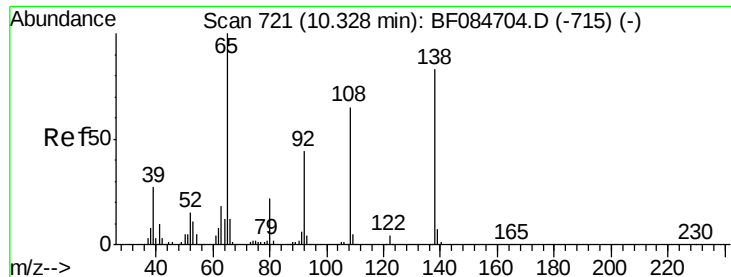


Abundance Ion 204.00 (203.70 to 204.70): E

Ion 206.00 (205.70 to 206.70): E

Ion 141.00 (140.70 to 141.70): E

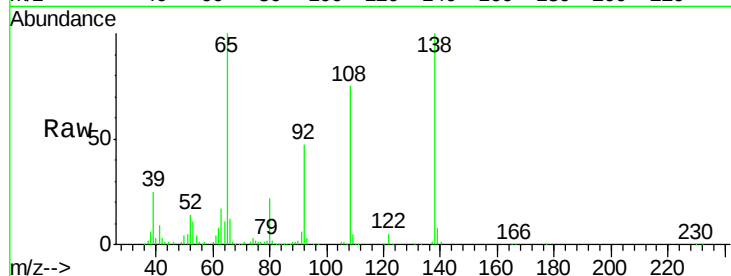




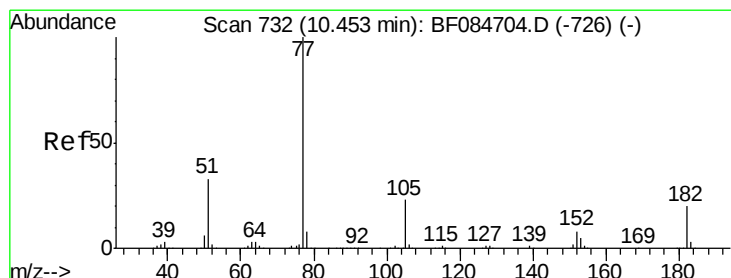
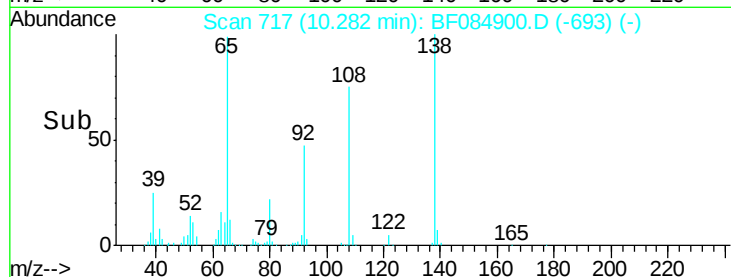
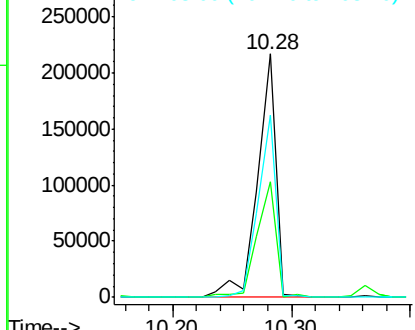
#61
4-Nitroaniline
Concen: 41.99 ng
RT: 10.28 min Scan# 717
Delta R.T. -0.02 min
Lab File: BF084900.D
Acq: 6 Feb 2016 9:55

Instrument :
BNA_F
ClientSampleId :
S4-B009(5-7)MSD

Tgt Ion:138 Resp: 234772
Ion Ratio Lower Upper
138 100
92 47.3 32.6 72.6
108 74.7 68.6 108.6

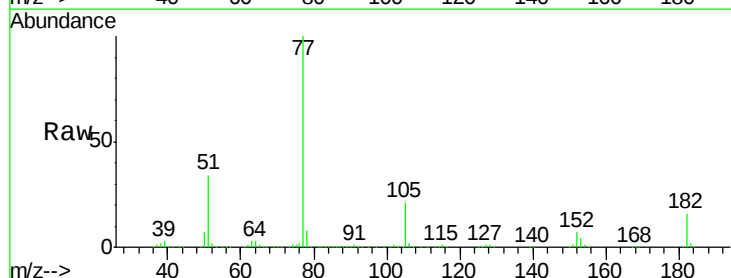


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF0
Ion 108.00 (107.70 to 108.70): E

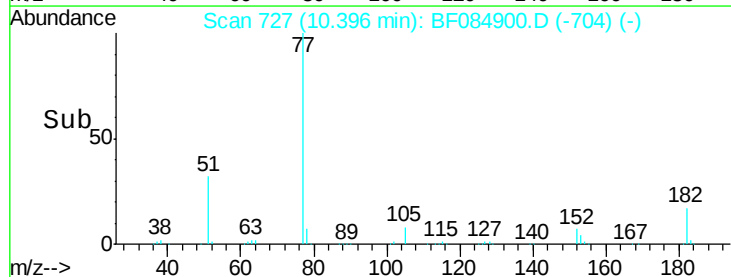
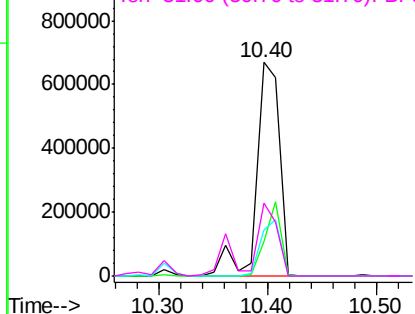


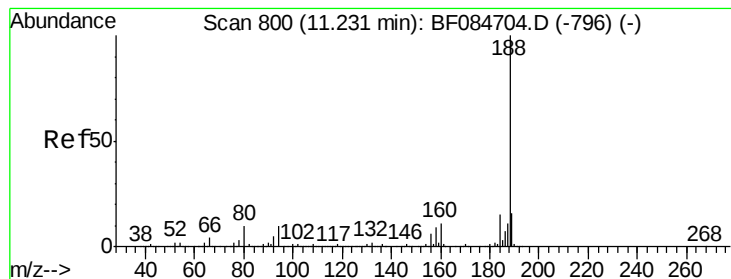
#62
Azobenzene
Concen: 45.73 ng
RT: 10.40 min Scan# 727
Delta R.T. -0.03 min
Lab File: BF084900.D
Acq: 6 Feb 2016 9:55

Tgt Ion: 77 Resp: 1003642
Ion Ratio Lower Upper
77 100
182 16.3 8.3 48.3
105 21.3 4.6 44.6
51 34.2 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: 11.17 min Scan# 795

Delta R.T. -0.03 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

Instrument :

BNA_F

ClientSampleId :

S4-B009(5-7)MSD

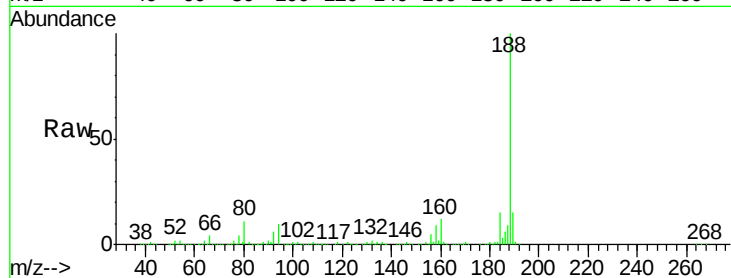
Tgt Ion:188 Resp: 503143

Ion Ratio Lower Upper

188 100

94 10.1 9.0 13.4

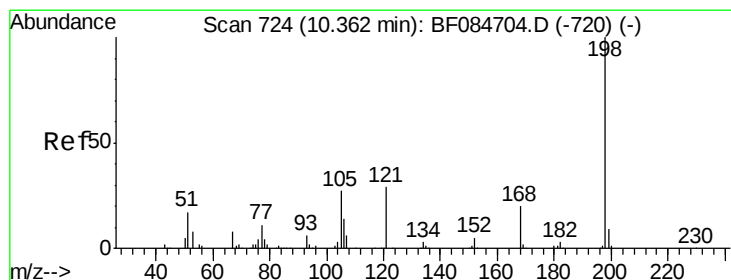
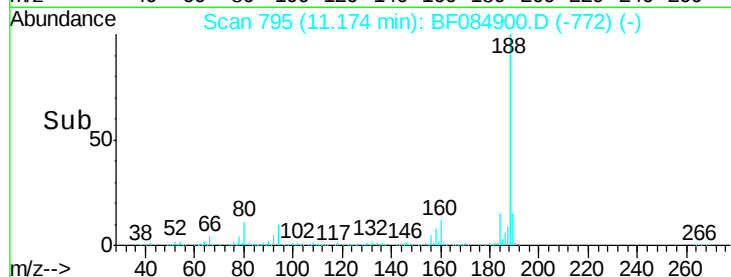
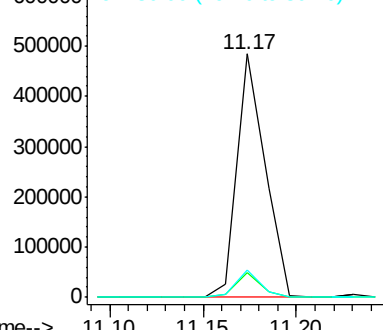
80 11.2 9.6 14.4



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: 20.89 ng

RT: 10.30 min Scan# 719

Delta R.T. -0.03 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

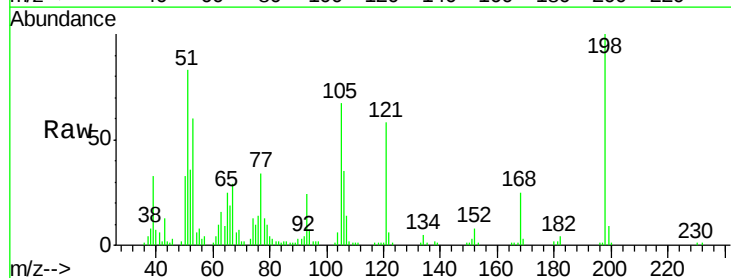
Tgt Ion:198 Resp: 64883

Ion Ratio Lower Upper

198 100

51 83.4 18.9 58.9#

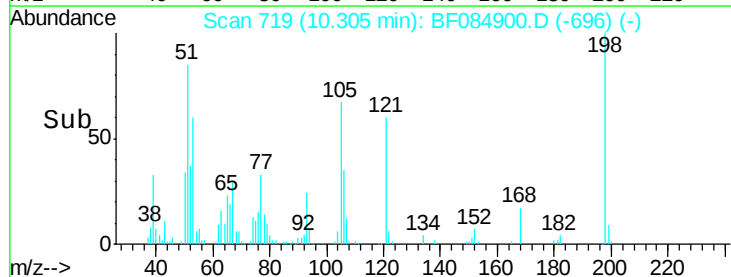
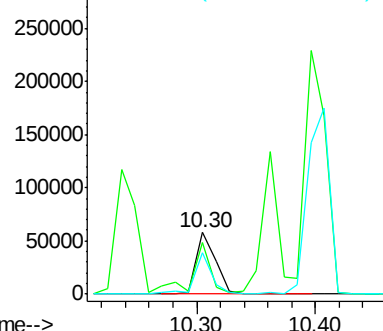
105 66.6 26.4 66.4#

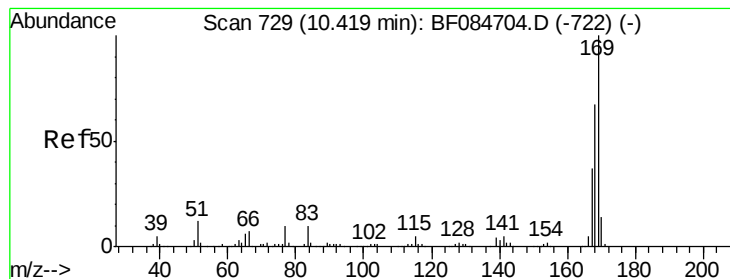


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E





#65

n-Nitrosodiphenylamine

Concen: 46.37 ng

RT: 10.36 min Scan# 724

Delta R.T. -0.03 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

Instrument :

BNA_F

ClientSampleId :

S4-B009(5-7)MSD

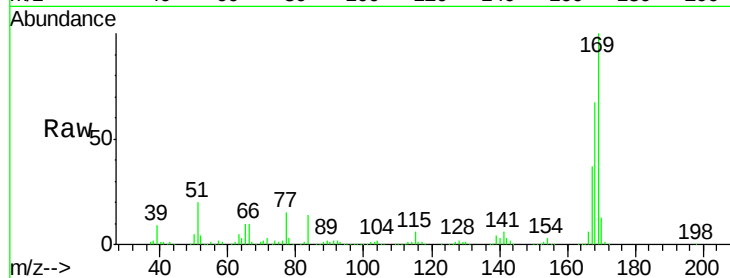
Tgt Ion:169 Resp: 740834

Ion Ratio Lower Upper

169 100

168 66.6 55.1 82.7

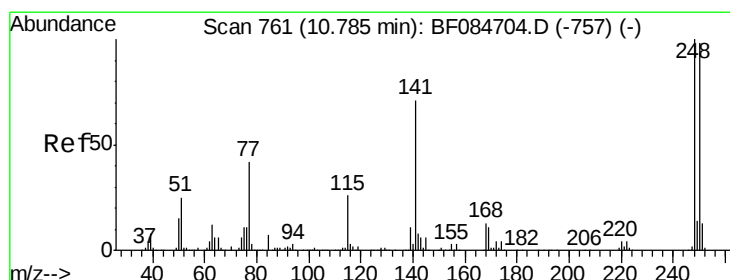
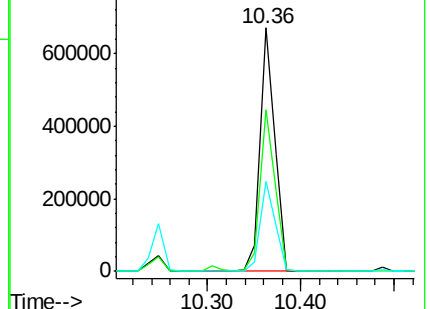
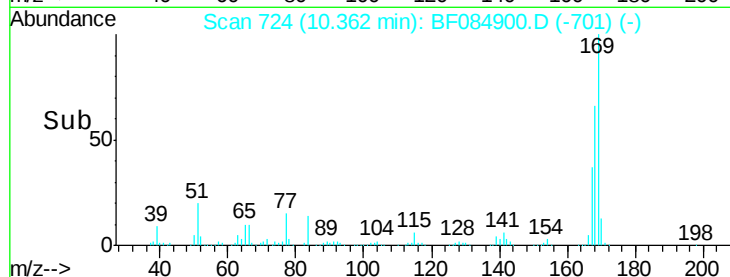
167 36.9 30.0 45.0



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: 45.26 ng

RT: 10.73 min Scan# 756

Delta R.T. -0.03 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

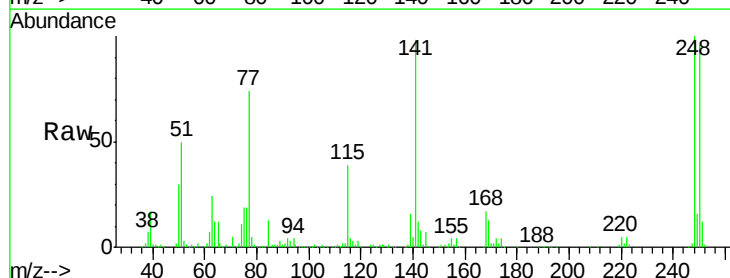
Tgt Ion:248 Resp: 251499

Ion Ratio Lower Upper

248 100

250 96.0 78.4 117.6

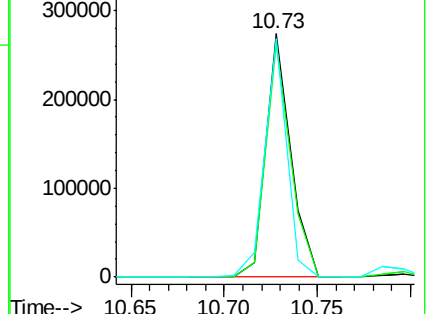
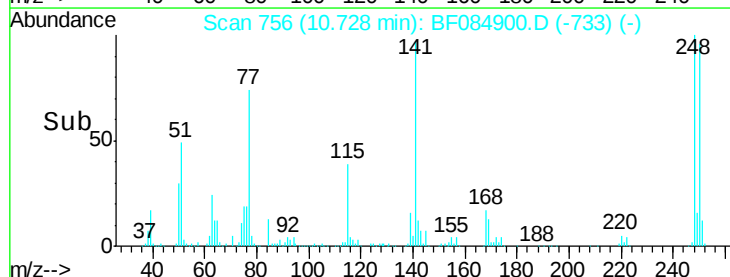
141 97.9 44.0 66.0#

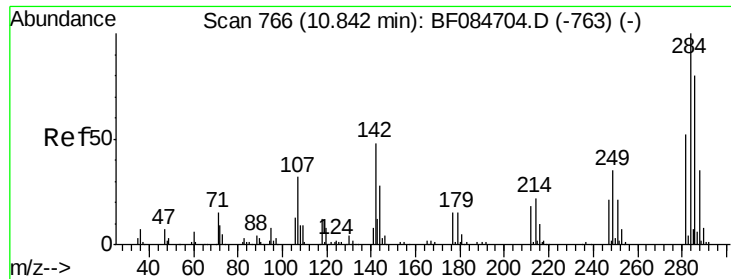


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

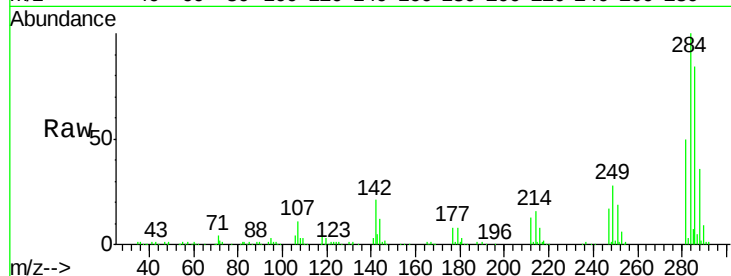




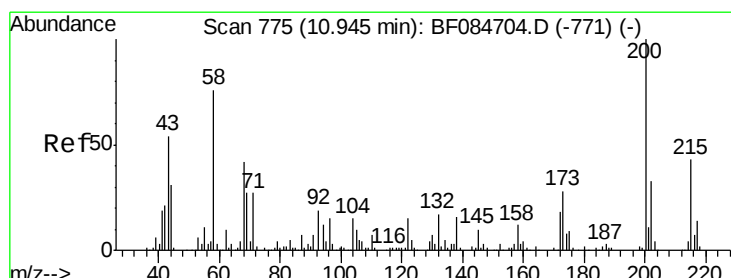
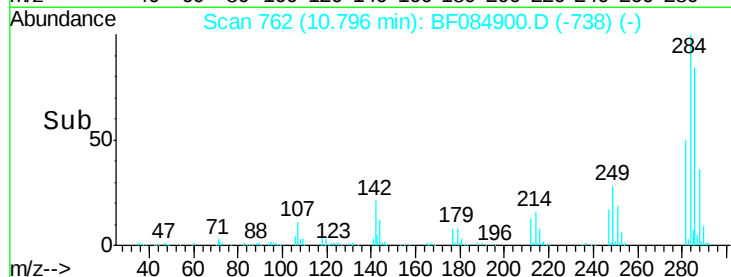
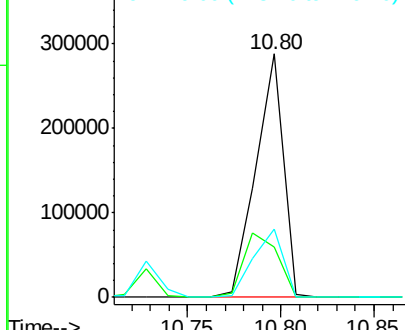
#67
Hexachlorobenzene
Concen: 48.32 ng
RT: 10.80 min Scan# 762
Delta R.T. -0.02 min
Lab File: BF084900.D
Acq: 6 Feb 2016 9:55

Instrument :
BNA_F
ClientSampleId :
S4-B009(5-7)MSD

Tgt Ion	Ratio	Lower	Upper
284	100		
142	20.9	22.2	33.4#
249	28.3	24.6	37.0

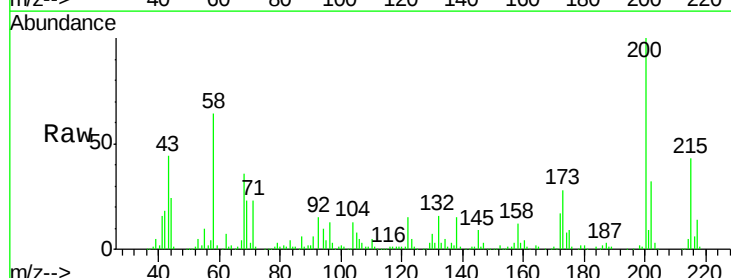


Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

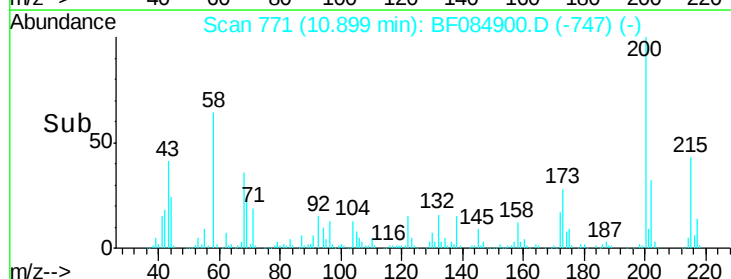
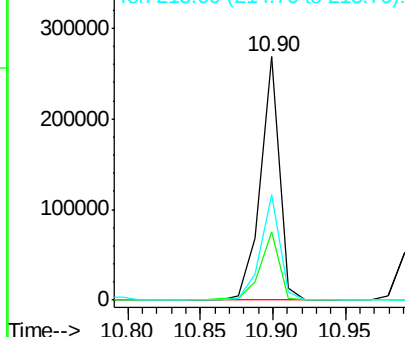


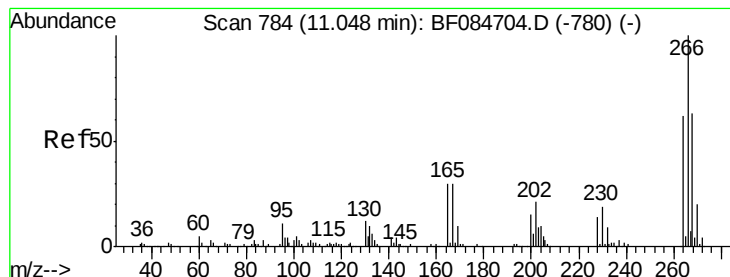
#68
Atrazine
Concen: 48.49 ng
RT: 10.90 min Scan# 771
Delta R.T. -0.02 min
Lab File: BF084900.D
Acq: 6 Feb 2016 9:55

Tgt Ion	Ratio	Lower	Upper
200	100		
173	27.9	9.5	49.5
215	43.3	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

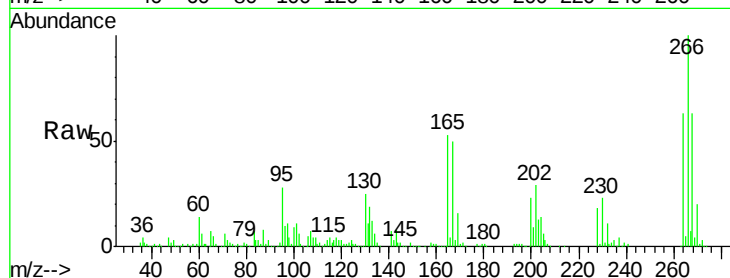




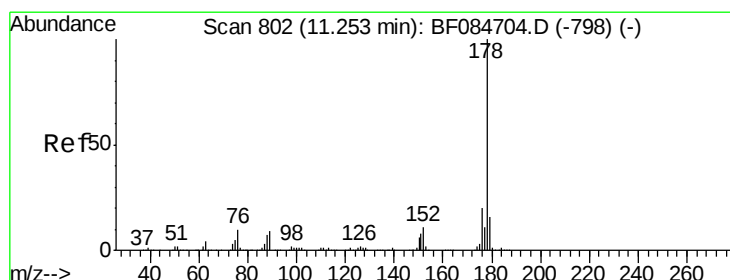
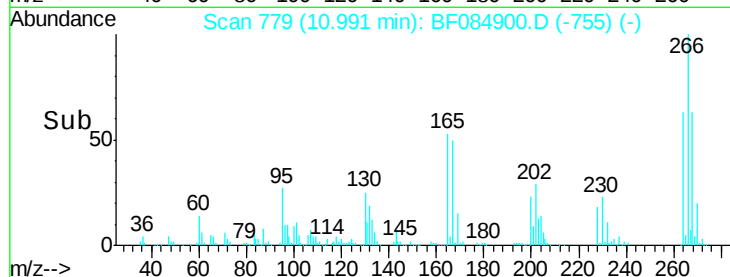
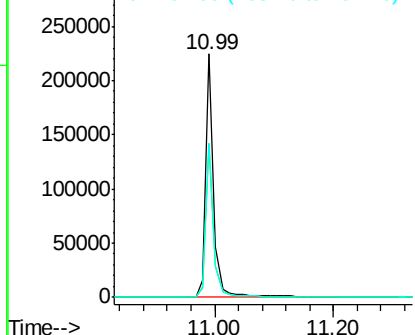
#69
 Pentachlorophenol
 Concen: 76.57 ng
 RT: 10.99 min Scan# 779
 Delta R.T. -0.02 min
 Lab File: BF084900.D
 Acq: 6 Feb 2016 9:55

Instrument :
 BNA_F
 ClientSampleId :
 S4-B009(5-7)MSD

Tgt Ion:266 Resp: 217891
 Ion Ratio Lower Upper
 266 100
 268 63.4 52.4 78.6
 264 63.2 50.2 75.2

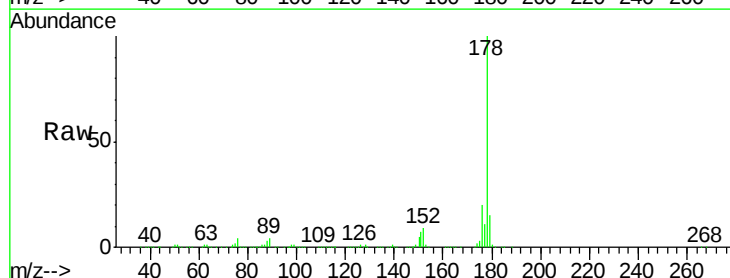


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

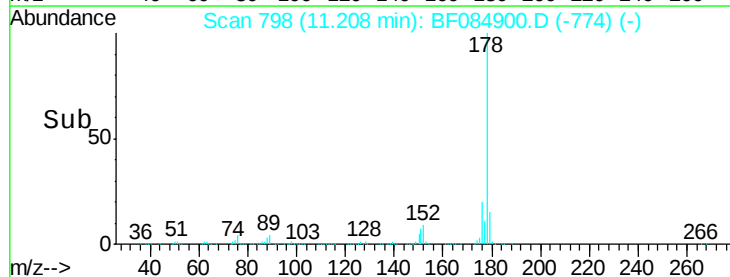
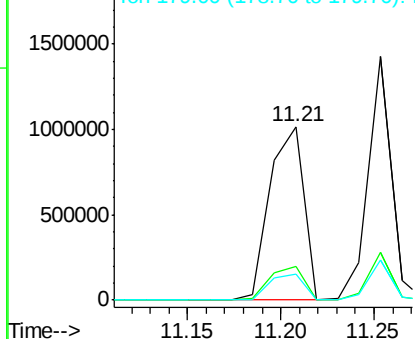


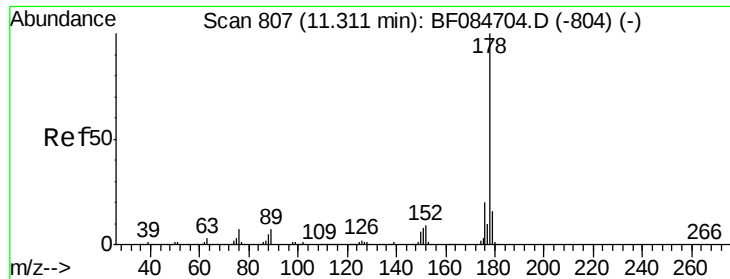
#70
 Phenanthrene
 Concen: 46.36 ng
 RT: 11.21 min Scan# 798
 Delta R.T. -0.02 min
 Lab File: BF084900.D
 Acq: 6 Feb 2016 9:55

Tgt Ion:178 Resp: 1293692
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.3 22.9
 179 15.2 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

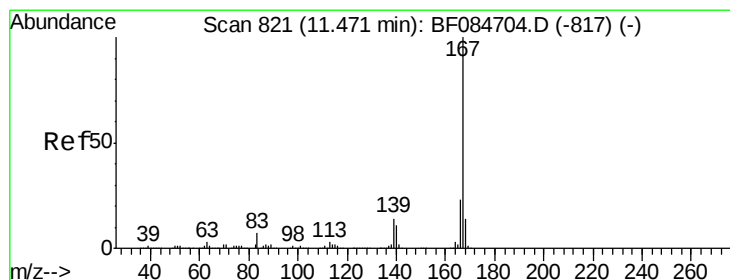
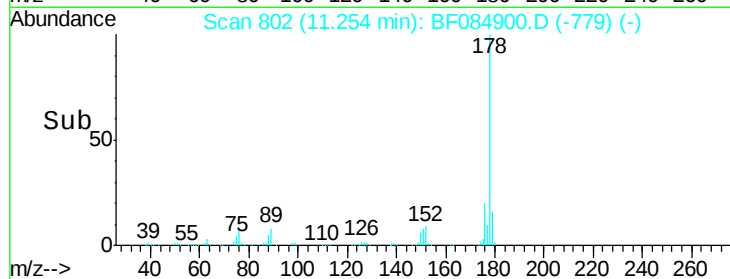
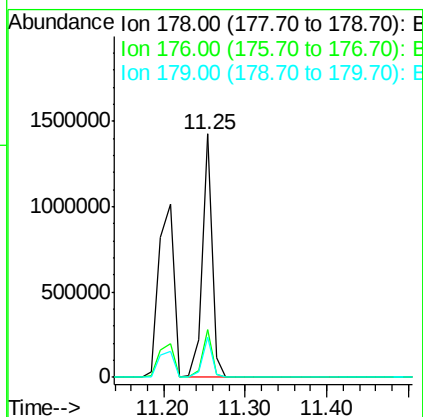
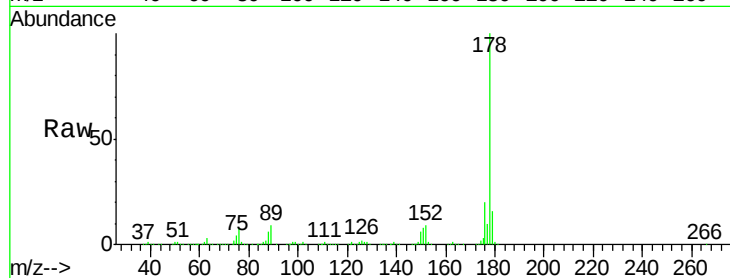




#71
 Anthracene
 Concen: 43.39 ng
 RT: 11.25 min Scan# 802
 Delta R.T. -0.03 min
 Lab File: BF084900.D
 Acq: 6 Feb 2016 9:55

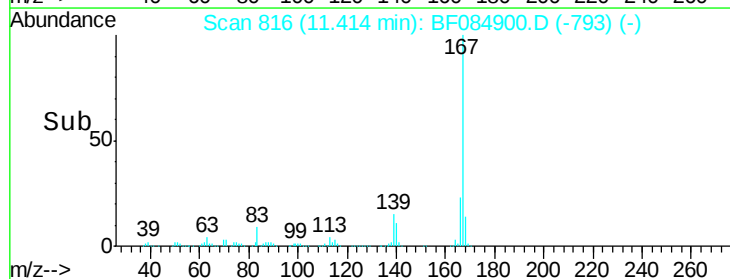
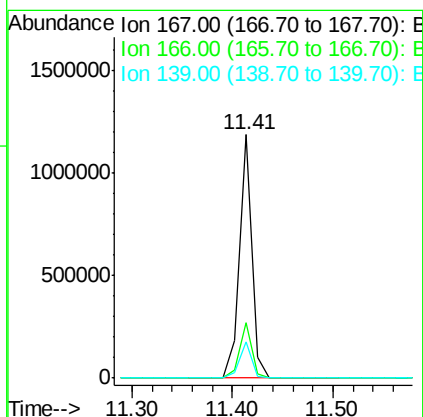
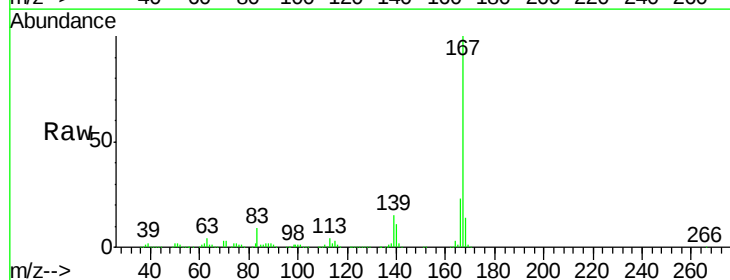
Instrument :
 BNA_F
 ClientSampleId :
 S4-B009(5-7)MSD

Tgt Ion:178 Resp: 1219971
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.4 23.0
 179 16.5 12.5 18.7



#72
 Carbazole
 Concen: 41.55 ng
 RT: 11.41 min Scan# 816
 Delta R.T. -0.03 min
 Lab File: BF084900.D
 Acq: 6 Feb 2016 9:55

Tgt Ion:167 Resp: 1018870
 Ion Ratio Lower Upper
 167 100
 166 22.5 17.6 26.4
 139 14.9 11.8 17.8





#73

Di-n-butylphthalate

Concen: 46.95 ng

RT: 11.76 min Scan# 846

Delta R.T. -0.02 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

Instrument :

BNA_F

ClientSampleId :

S4-B009(5-7)MSD

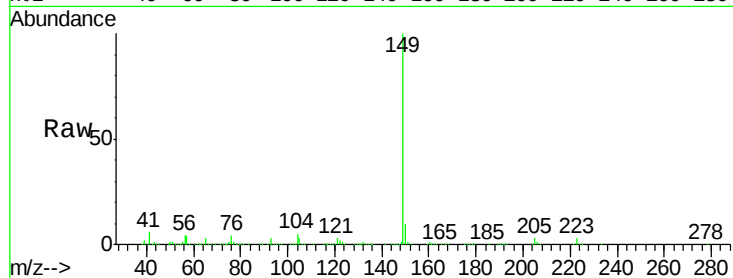
Tgt Ion:149 Resp: 1465689

Ion Ratio Lower Upper

149 100

150 9.6 7.1 10.7

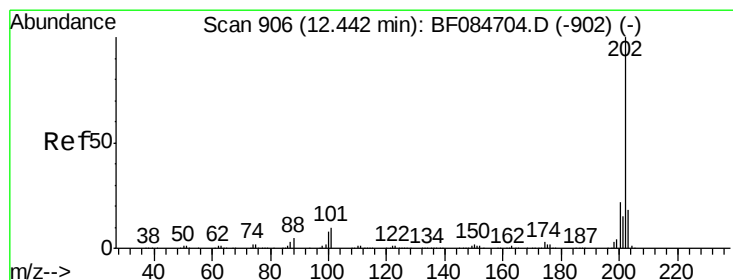
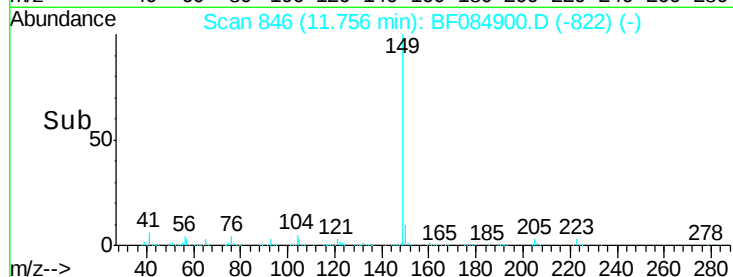
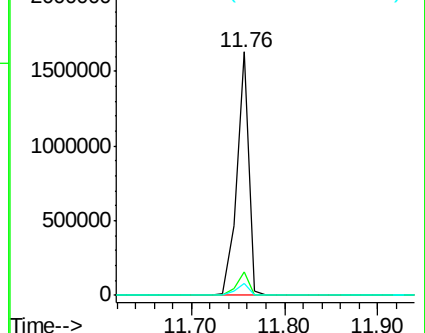
104 5.0 3.2 4.8#



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: 40.27 ng

RT: 12.39 min Scan# 901

Delta R.T. -0.03 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

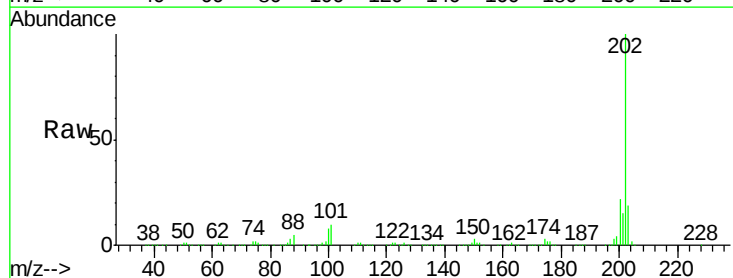
Tgt Ion:202 Resp: 1137536

Ion Ratio Lower Upper

202 100

101 10.4 0.0 32.8

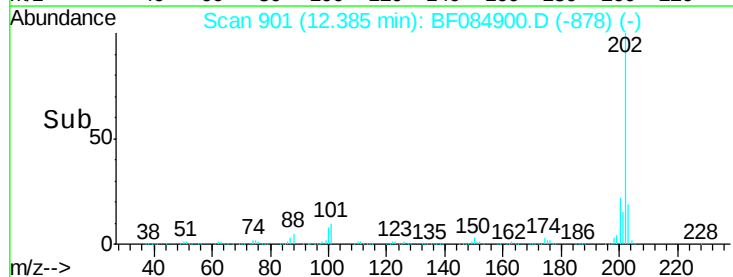
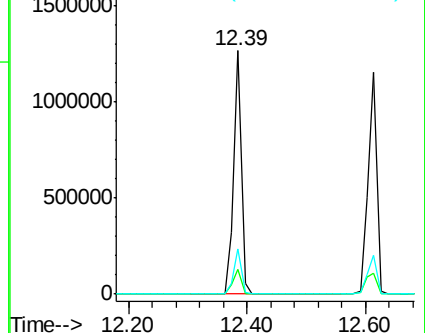
203 18.5 0.0 37.9

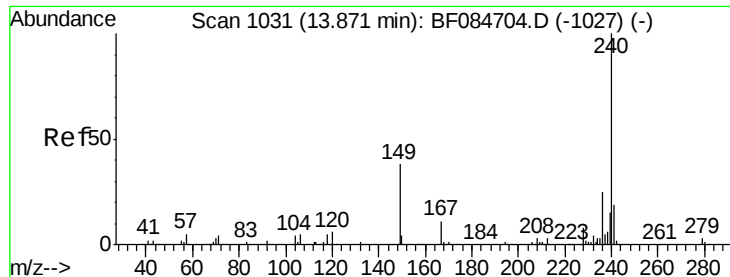


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.80 min Scan# 1025

Delta R.T. -0.03 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

Instrument :

BNA_F

ClientSampleId :

S4-B009(5-7)MSD

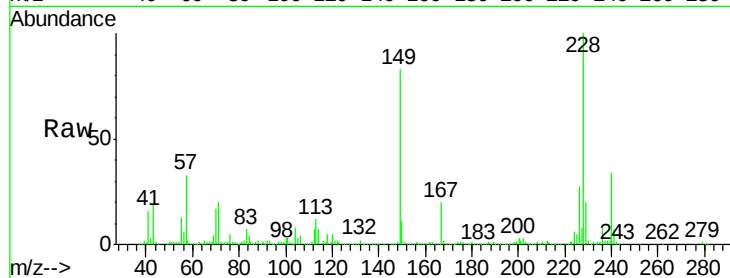
Tgt Ion:240 Resp: 295621

Ion Ratio Lower Upper

240 100

120 15.9 9.5 14.3#

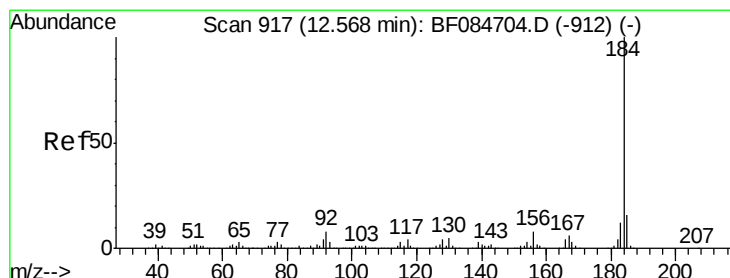
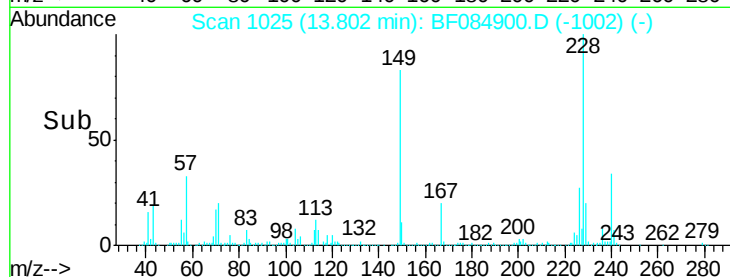
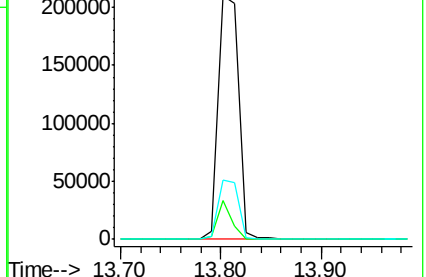
236 24.6 20.6 31.0



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: 34.07 ng

RT: 12.51 min Scan# 912

Delta R.T. -0.03 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

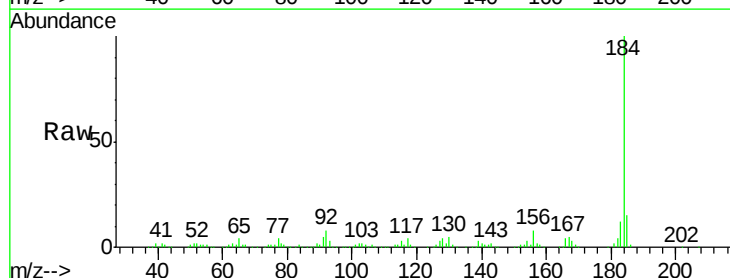
Tgt Ion:184 Resp: 357113

Ion Ratio Lower Upper

184 100

185 14.9 12.2 18.2

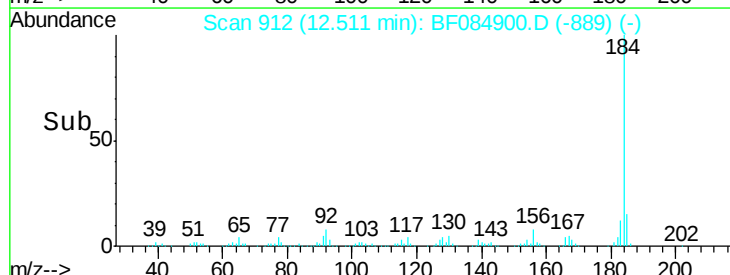
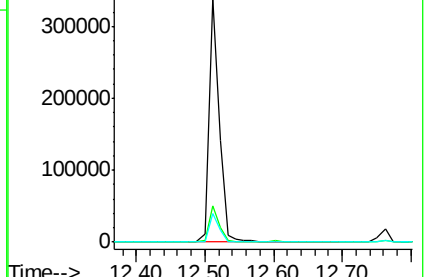
183 11.5 9.8 14.8

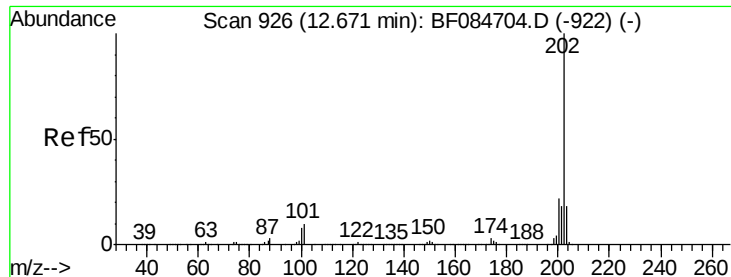


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#77

Pyrene

Concen: 51.47 ng

RT: 12.61 min Scan# 921

Delta R.T. -0.02 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

Instrument :

BNA_F

ClientSampleId :

S4-B009(5-7)MSD

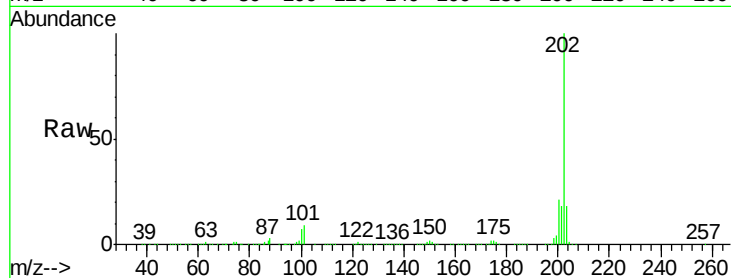
Tgt Ion:202 Resp: 1164935

Ion Ratio Lower Upper

202 100

200 21.3 17.2 25.8

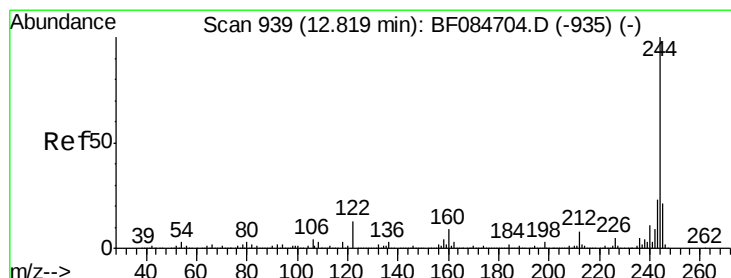
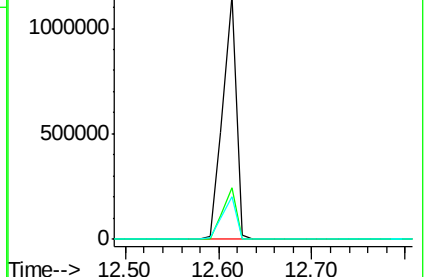
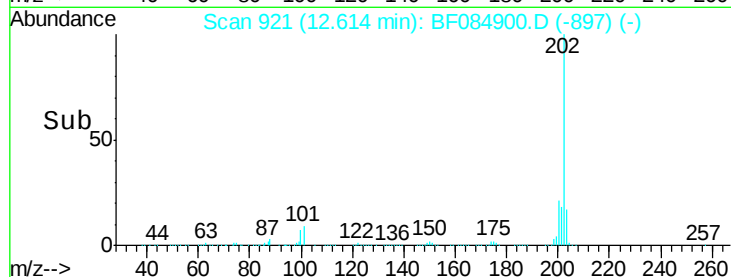
203 17.5 14.3 21.5



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: 88.50 ng

RT: 12.76 min Scan# 934

Delta R.T. -0.03 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

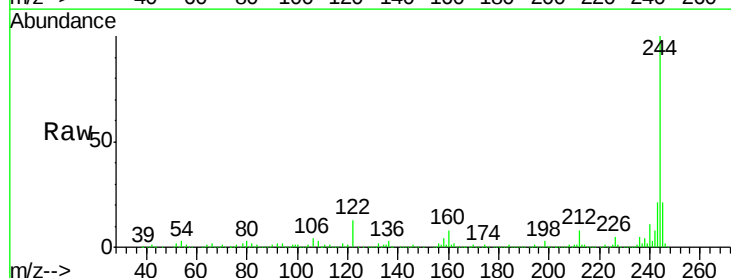
Tgt Ion:244 Resp: 1154566

Ion Ratio Lower Upper

244 100

212 7.6 5.7 8.5

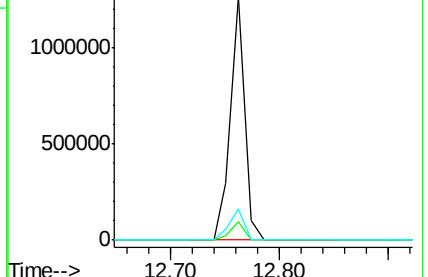
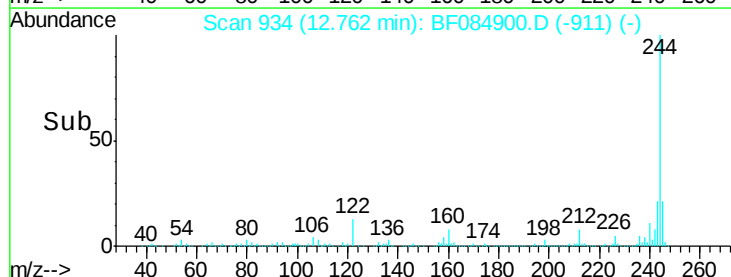
122 12.7 7.4 11.0#



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

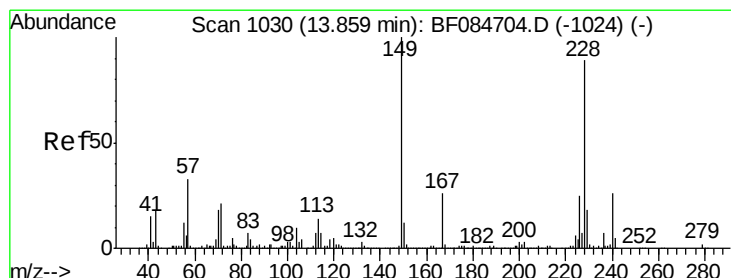
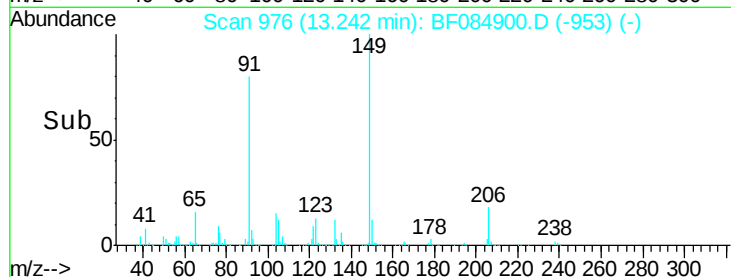
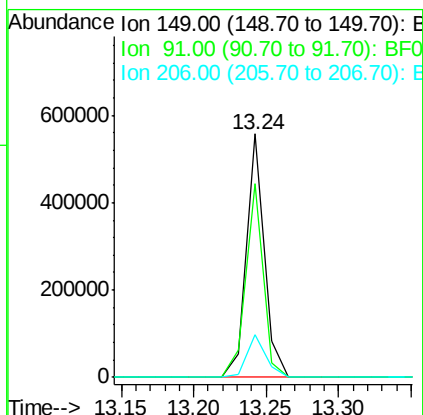
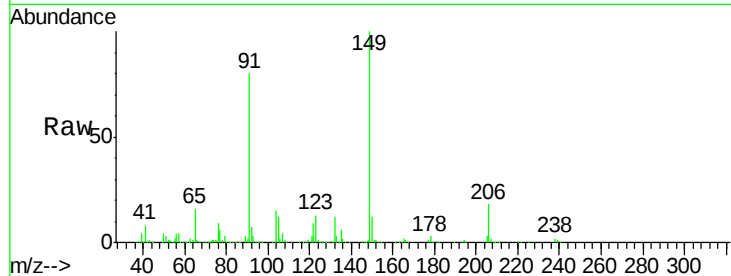




#79
Butylbenzylphthalate
Concen: 46.70 ng
RT: 13.24 min Scan# 976
Delta R.T. -0.03 min
Lab File: BF084900.D
Acq: 6 Feb 2016 9:55

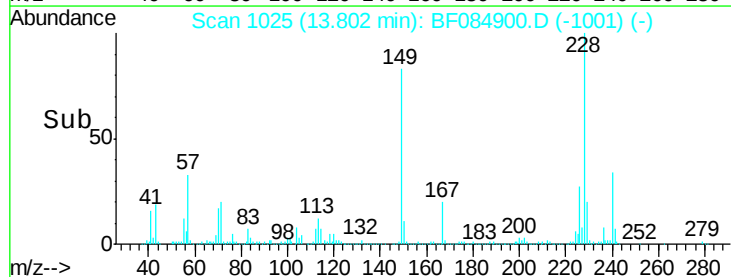
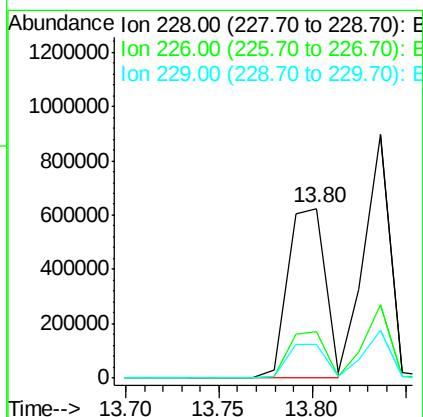
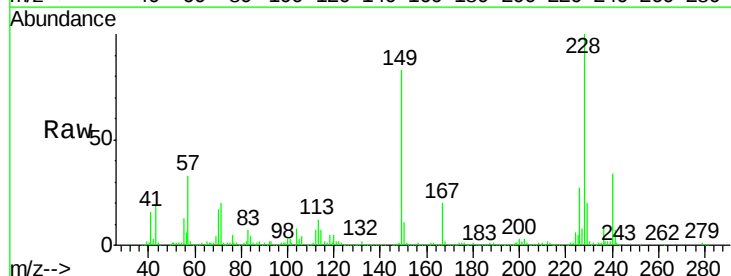
Instrument :
BNA_F
ClientSampleId :
S4-B009(5-7)MSD

Tgt Ion	Ratio	Lower	Upper
149	100		
91	79.7	57.6	86.4
206	17.6	13.2	19.8



#80
Benzo(a)anthracene
Concen: 47.83 ng
RT: 13.80 min Scan# 1025
Delta R.T. -0.02 min
Lab File: BF084900.D
Acq: 6 Feb 2016 9:55

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.8	32.6
229	19.6	15.8	23.8

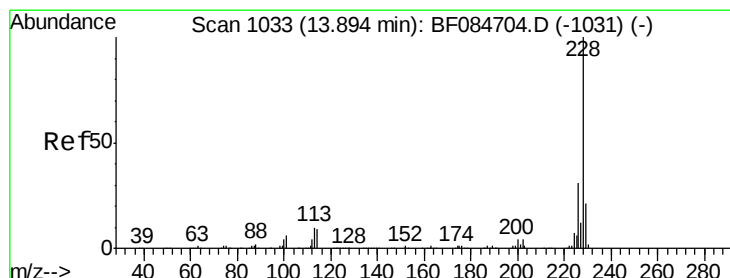
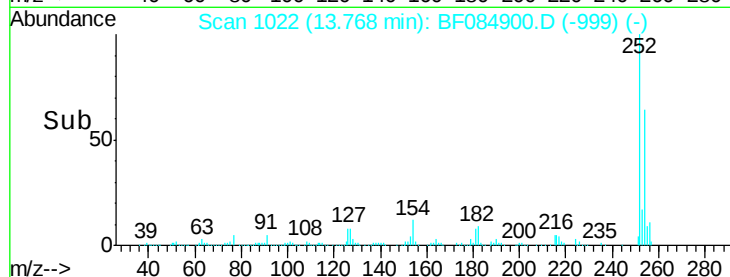
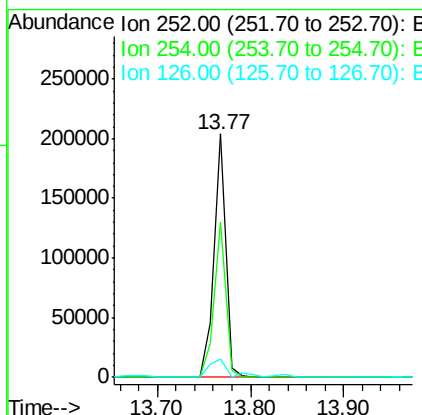
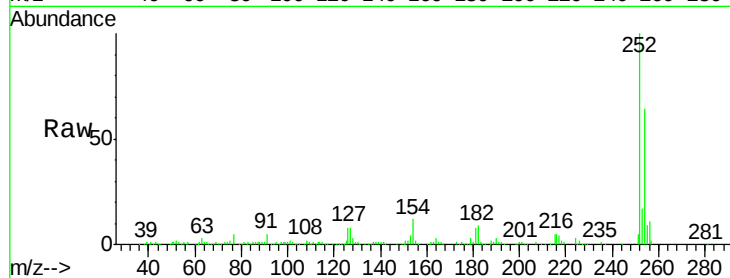




#81
 3,3'-Dichlorobenzidine
 Concen: 27.57 ng
 RT: 13.77 min Scan# 1022
 Delta R.T. -0.03 min
 Lab File: BF084900.D
 Acq: 6 Feb 2016 9:55

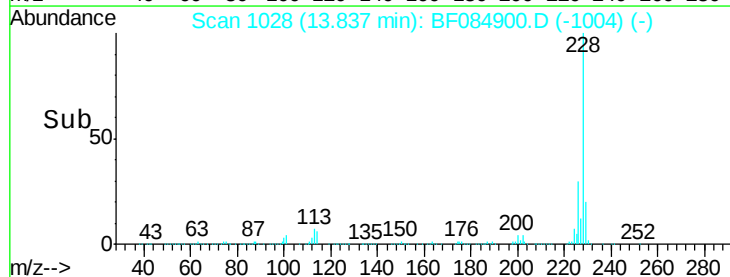
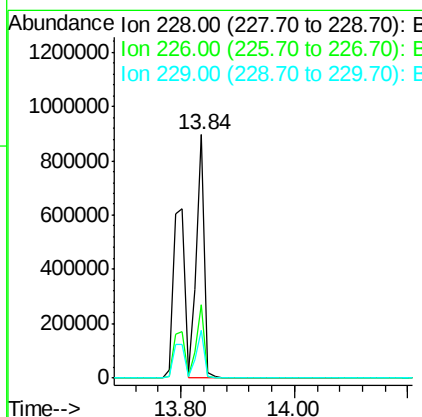
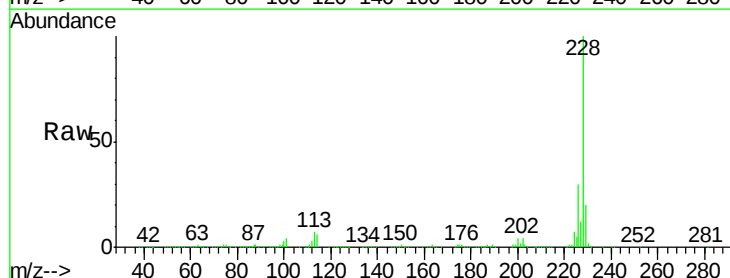
Instrument :
 BNA_F
 ClientSampleId :
 S4-B009(5-7)MSD

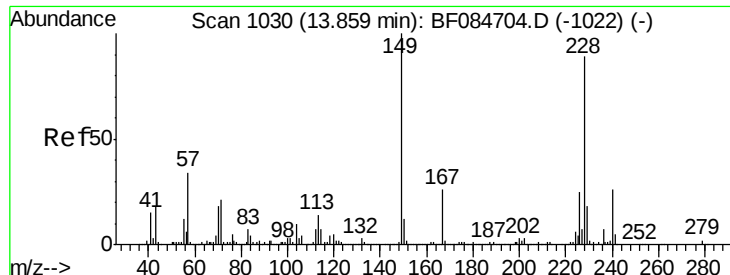
Tgt Ion:252 Resp: 179079
 Ion Ratio Lower Upper
 252 100
 254 64.0 53.5 80.3
 126 7.6 4.9 7.3#



#82
 Chrysene
 Concen: 48.99 ng
 RT: 13.84 min Scan# 1028
 Delta R.T. -0.02 min
 Lab File: BF084900.D
 Acq: 6 Feb 2016 9:55

Tgt Ion:228 Resp: 871645
 Ion Ratio Lower Upper
 228 100
 226 30.0 24.3 36.5
 229 19.8 16.1 24.1

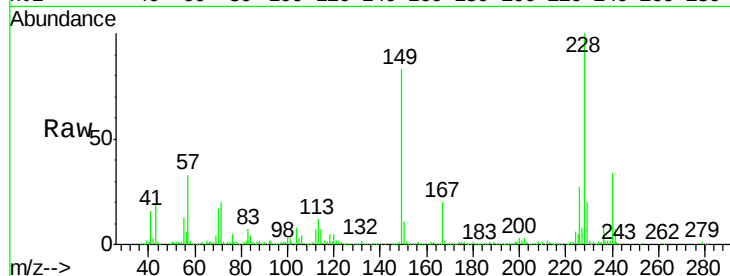




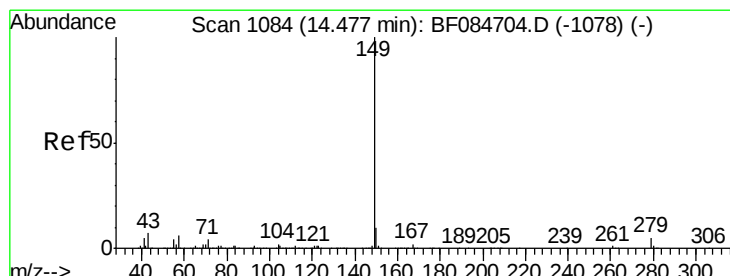
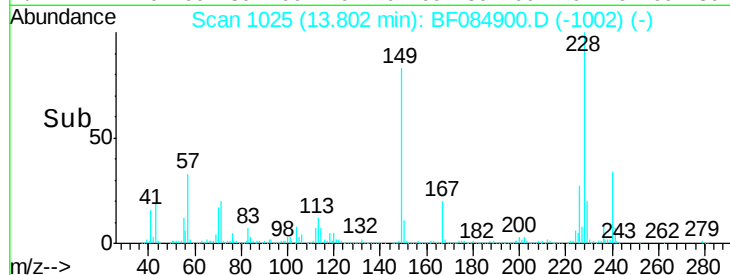
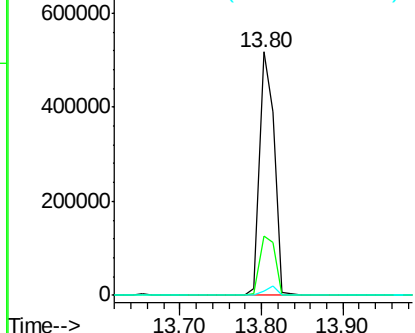
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 50.20 ng
 RT: 13.80 min Scan# 1025
 Delta R.T. -0.03 min
 Lab File: BF084900.D
 Acq: 6 Feb 2016 9:55

Instrument :
 BNA_F
 ClientSampleId :
 S4-B009(5-7)MSD

Tgt Ion:149 Resp: 641420
 Ion Ratio Lower Upper
 149 100
 167 24.3 19.7 29.5
 279 1.7 1.8 2.6#

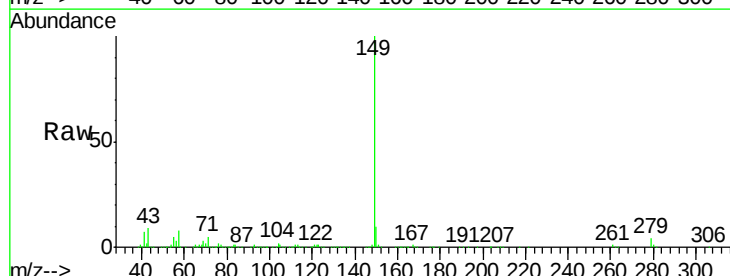


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

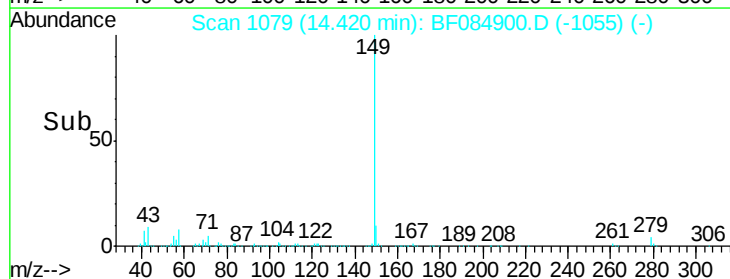
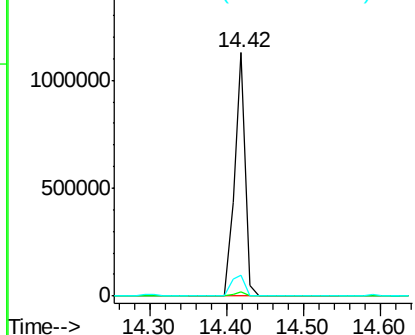


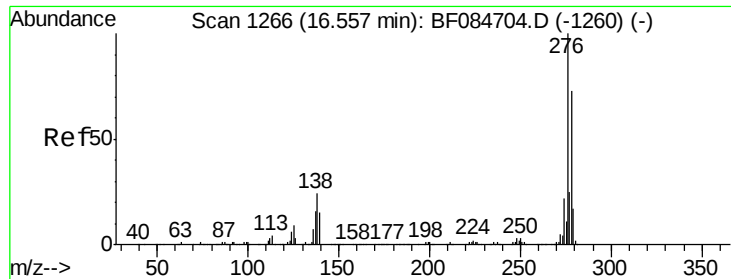
#84
 Di-n-octyl phthalate
 Concen: 53.05 ng
 RT: 14.42 min Scan# 1079
 Delta R.T. -0.02 min
 Lab File: BF084900.D
 Acq: 6 Feb 2016 9:55

Tgt Ion:149 Resp: 1118439
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.2 1.8
 43 11.1 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: 60.26 ng

RT: 16.45 min Scan# 1257

Delta R.T. -0.05 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

Instrument :

BNA_F

ClientSampleId :

S4-B009(5-7)MSD

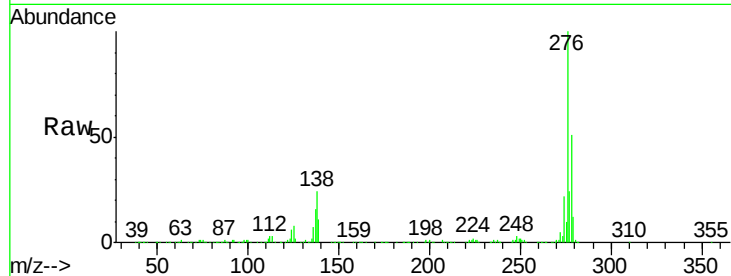
Tgt Ion:276 Resp: 843931

Ion Ratio Lower Upper

276 100

138 24.8 20.6 30.8

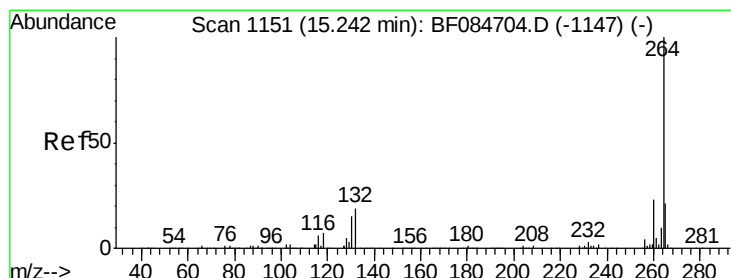
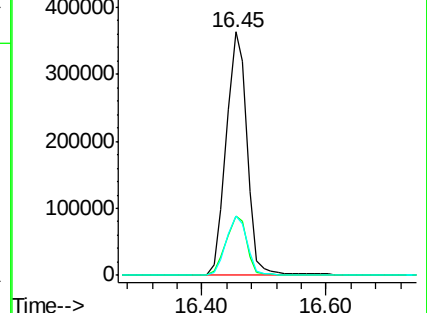
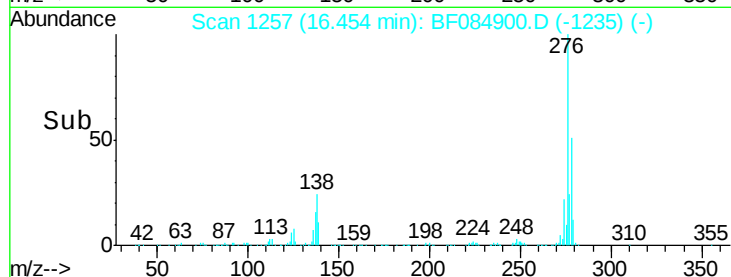
277 24.7 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.17 min Scan# 1145

Delta R.T. -0.03 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

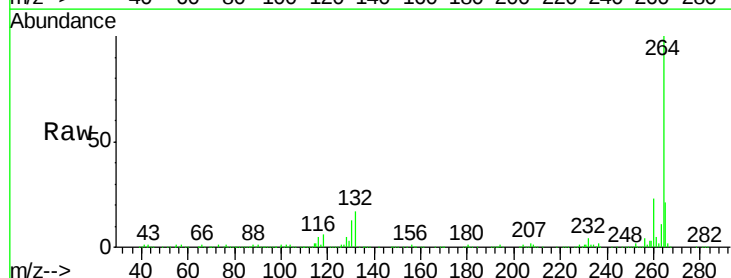
Tgt Ion:264 Resp: 326203

Ion Ratio Lower Upper

264 100

260 22.8 19.4 29.2

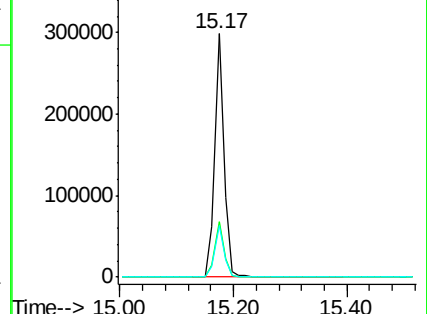
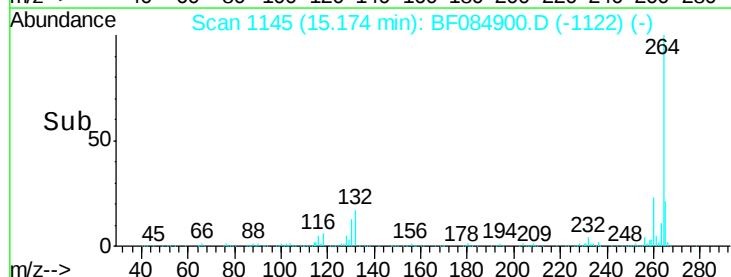
265 21.4 17.8 26.6

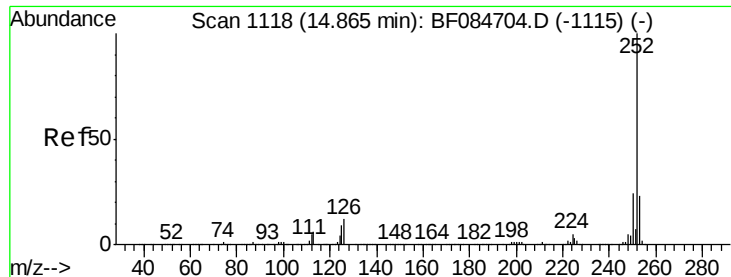


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 76.86 ng

RT: 14.83 min Scan# 1115

Delta R.T. 0.00 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

Instrument :

BNA_F

ClientSampleId :

S4-B009(5-7)MSD

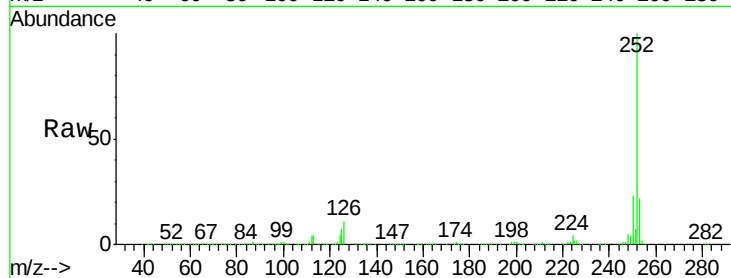
Tgt Ion:252 Resp: 1684650

Ion Ratio Lower Upper

252 100

253 22.1 17.3 25.9

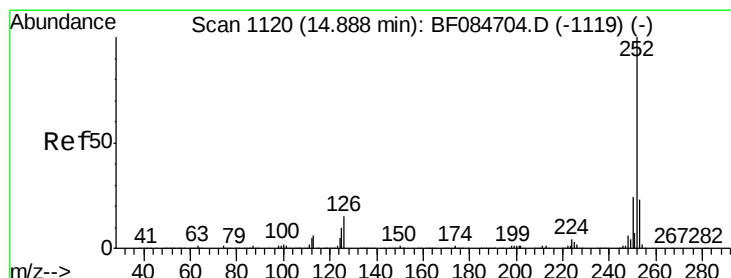
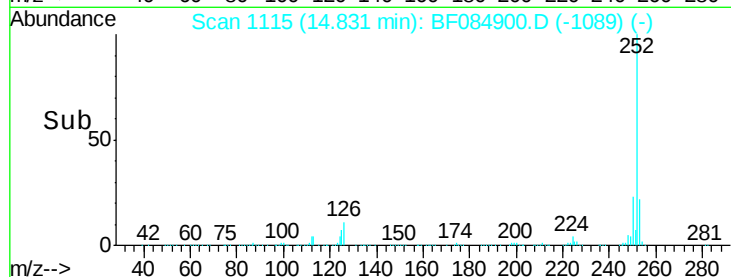
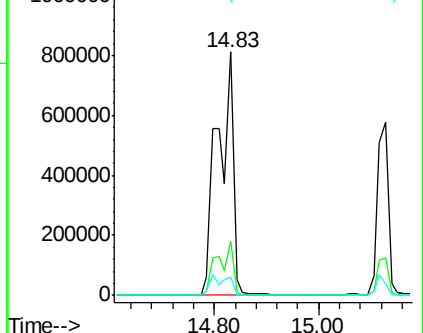
125 7.4 6.5 9.7



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: 92.96 ng

RT: 14.83 min Scan# 1115

Delta R.T. -0.02 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

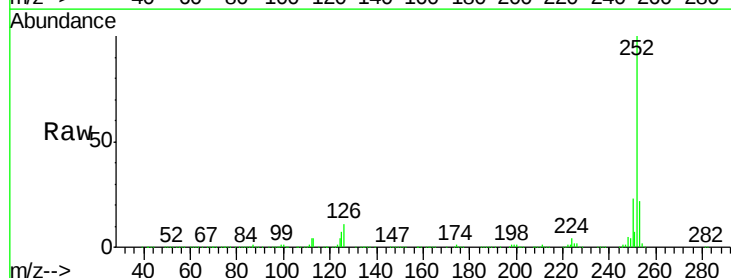
Tgt Ion:252 Resp: 1684650

Ion Ratio Lower Upper

252 100

253 22.1 18.1 27.1

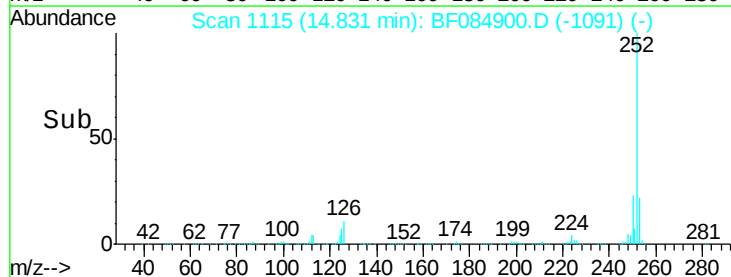
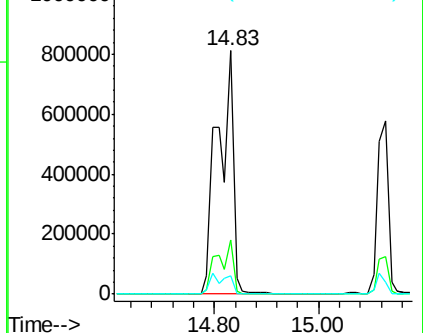
125 7.4 9.0 13.6#



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: 44.89 ng

RT: 15.13 min Scan# 1141

Delta R.T. -0.02 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

Instrument :

BNA_F

ClientSampleId :

S4-B009(5-7)MSD

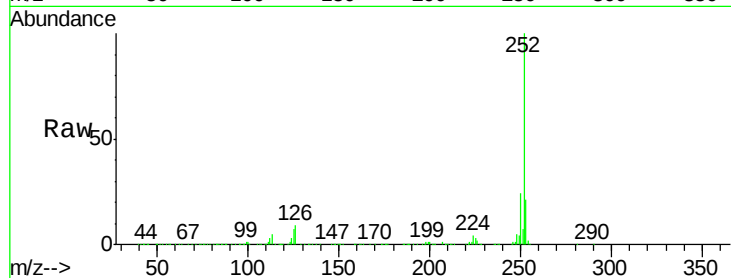
Tgt Ion:252 Resp: 838224

Ion Ratio Lower Upper

252 100

253 21.4 17.3 25.9

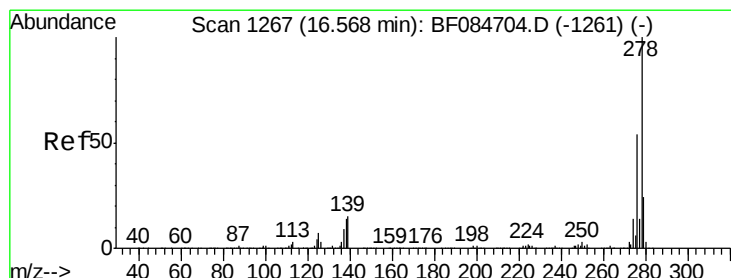
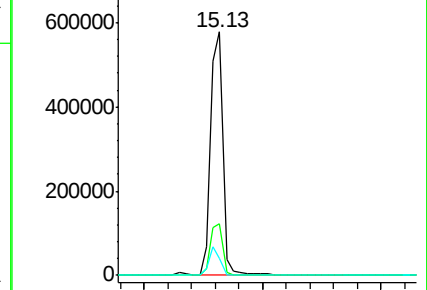
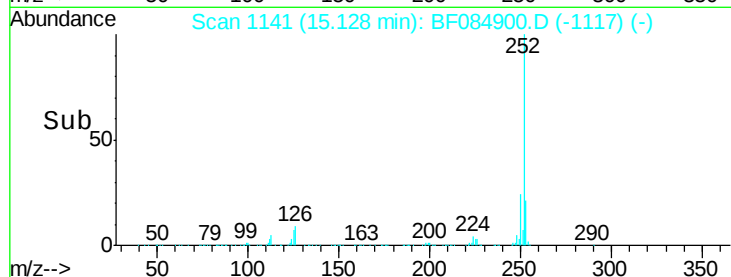
125 7.0 7.0 10.4



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: 44.69 ng

RT: 16.47 min Scan# 1258

Delta R.T. -0.05 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

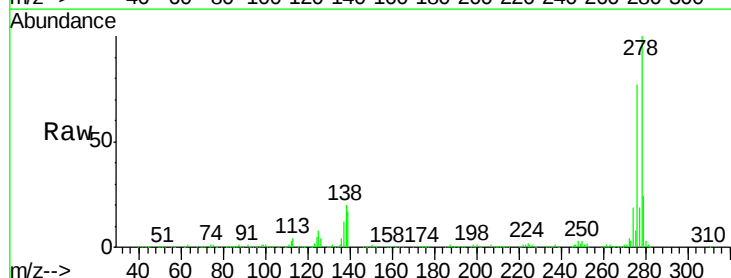
Tgt Ion:278 Resp: 702592

Ion Ratio Lower Upper

278 100

139 17.0 15.0 22.4

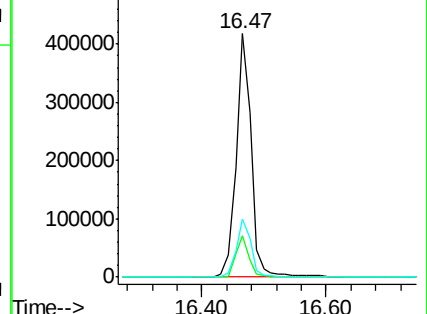
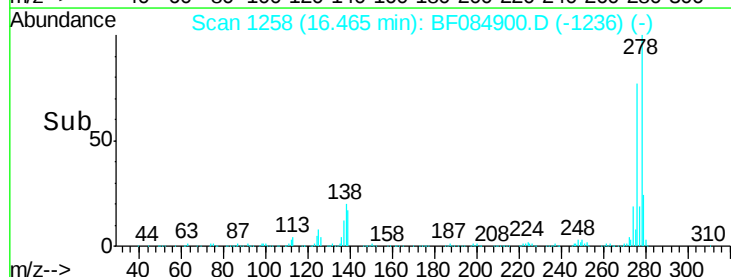
279 23.9 18.9 28.3

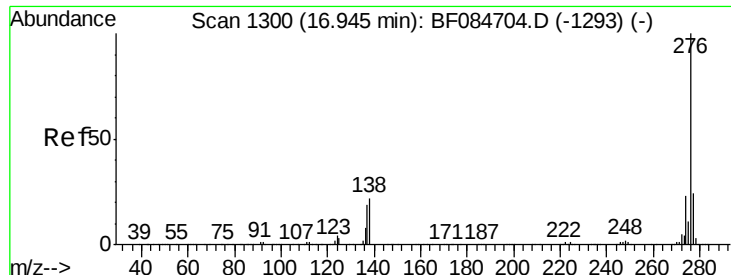


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 42.98 ng

RT: 16.84 min Scan# 1291

Delta R.T. -0.05 min

Lab File: BF084900.D

Acq: 6 Feb 2016 9:55

Instrument :

BNA_F

ClientSampleId :

S4-B009(5-7)MSD

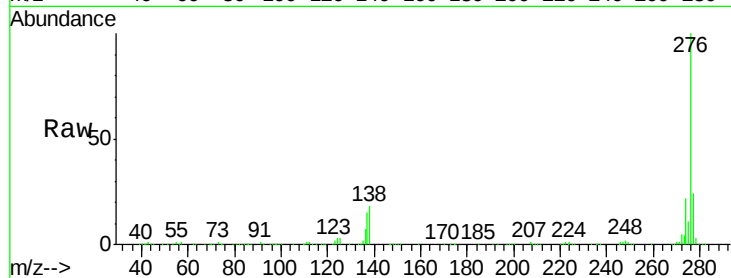
Tgt Ion: 276 Resp: 680615

Ion Ratio Lower Upper

276 100

277 23.5 18.8 28.2

138 17.8 17.8 26.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

