

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122216\
 Data File : BF091904.D
 Acq On : 23 Dec 2016 4:39
 Operator : UM/SJ
 Sample : H6182-06RE
 Misc :
 ALS Vial : 55 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-52(0-1)-121916RE

Quant Time: Dec 23 06:41:00 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 16:17:51 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	140792	20.00	ng	0.02
21) Naphthalene-d8	8.11	136	272746	20.00	ng	0.07
38) Acenaphthene-d10	9.88	164	120818	20.00	ng	0.09
63) Phenanthrene-d10	11.28	188	434772	20.00	ng	0.01
75) Chrysene-d12	13.91	240	387936	20.00	ng	0.00
86) Perylene-d12	15.30	264	304643	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.40	112	1640151	194.51	ng	0.06
7) Phenol-d6	6.45	99	1655099	160.77	ng	0.05
23) Nitrobenzene-d5	7.34	82	698484	142.40	ng	0.02
41) 2,4,6-Tribromophenol	10.62	330	271785	271.82	ng	0.05
44) 2-Fluorobiphenyl	9.22	172	542880	93.33	ng	0.10
78) Terphenyl-d14	12.85	244	1462898	91.46	ng	0.00

Target Compounds

						Qvalue
4) n-Nitrosodimethylamine	2.96	42	21345	3.91	ng	# 1
6) Aniline	6.44	93	53032	3.97	ng	# 1
9) Benzaldehyde	6.30	77	51599	6.61	ng	# 10
10) Phenol	6.46	94	129535	11.04	ng	# 1
15) Benzyl Alcohol	6.89	79	37582	4.70	ng	# 57
17) 2-Methylphenol	7.13	107	20282	2.63	ng	# 1
18) Hexachloroethane	7.36	117	3008418	778.62	ng	# 10
19) n-Nitroso-di-n-propylamine	7.23	70	258707	37.77	ng	# 72
20) 3+4-Methylphenols	7.22	107	18936	2.06	ng	# 1
22) Acetophenone	7.12	105	2043282	303.73	ng	# 57
24) Nitrobenzene	7.37	77	715001	136.86	ng	# 24
25) Isophorone	7.79	82	4573066	505.34	ng	# 28
26) 2-Nitrophenol	7.86	139	598435	232.29	ng	# 1
27) 2,4-Dimethylphenol	7.81	122	162392	38.00	ng	# 1
28) bis(2-Chloroethoxy)methane	7.96	93	130925	23.86	ng	# 1
29) 2,4-Dichlorophenol	8.08	162	532877	147.27	ng	# 1
30) 1,2,4-Trichlorobenzene	8.04	180	41326	10.42	ng	# 55
31) Naphthalene	8.16	128	728685	58.37	ng	# 1
32) Benzoic acid	7.95	122	84060	26.52	ng	# 1
33) 4-Chloroaniline	8.17	127	213547	37.94	ng	# 1
35) Caprolactam	8.64	113	870331	731.97	ng	# 1
36) 4-Chloro-3-methylphenol	8.72	107	25485	6.12	ng	# 35
37) 2-Methylnaphthalene	8.90	142	4502784	Below Cal		# 96
42) 2,4,6-Trichlorophenol	9.15	196	37850	17.73	ng	# 14
43) 2,4,5-Trichlorophenol	9.15	196	37850	17.23	ng	# 1
45) 1,1'-Biphenyl	9.32	154	62542	7.56	ng	# 1
46) 2-Chloronaphthalene	9.41	162	37707	5.76	ng	# 1
47) 2-Nitroaniline	9.39	65	47072	20.18	ng	# 47
48) Acenaphthylene	9.76	152	81768	8.12	ng	# 1
49) Dimethylphthalate	9.60	163	103418	13.38	ng	# 50
50) 2,6-Dinitrotoluene	9.69	165	106587	63.02	ng	# 21
51) Acenaphthene	9.92	154	70775	10.36	ng	# 1
52) 3-Nitroaniline	9.85	138	67982	32.48	ng	# 43
53) 2,4-Dinitrophenol	9.86	184	7080	7.52	ng	# 1

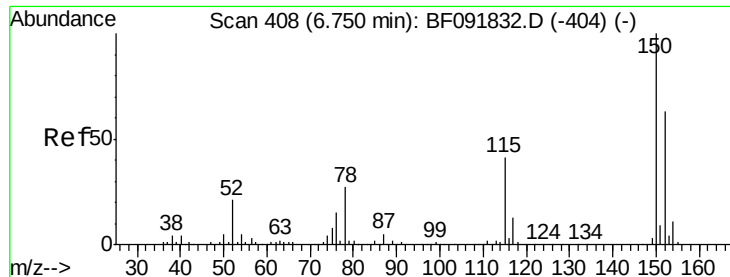
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
54) Dibenzofuran	10.08	168	341830	37.06	ng	# 19
55) 4-Nitrophenol	9.98	139	94705	66.64	ng	# 16
56) 2,4-Dinitrotoluene	10.08	165	114188	53.79	ng	# 61
57) Fluorene	10.44	166	94073	14.02	ng	# 1
58) 2,3,4,6-Tetrachlorophenol	10.16	232	11825	6.81	ng	# 18
59) Diethylphthalate	10.29	149	30138	4.02	ng	# 17
60) 4-Chlorophenyl-phenylether	10.41	204	6201	2.11	ng	# 1
61) 4-Nitroaniline	10.32	138	22652	10.44	ng	78
62) Azobenzene	10.52	77	105770	12.80	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.41	198	20819	7.92	ng	# 1
65) n-Nitrosodiphenylamine	10.44	169	287493	22.28	ng	# 74
68) Atrazine	10.96	200	21035	5.05	ng	# 1
70) Phenanthrene	11.30	178	450724	19.12	ng	# 95
71) Anthracene	11.30	178	450724	17.61	ng	97
73) Di-n-butylphthalate	11.85	149	28260	Below	Cal	# 1
74) Fluoranthene	12.49	202	59870	Below	Cal	88
76) Benzdine	12.58	184	2512	Below	Cal	# 1
77) Pyrene	12.71	202	87369	3.07	ng	# 93
80) Benzo(a)anthracene	13.89	228	61449	2.81	ng	# 82
82) Chrysene	13.89	228	61449	2.80	ng	# 87
83) Bis(2-ethylhexyl)phthalate	13.89	149	68570	4.50	ng	# 87

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.77 min Scan# 410

Delta R.T. 0.02 min

Lab File: BF091904.D

Acq: 23 Dec 2016 4:39

Instrument :

BNA_F

ClientSampleId :

SB-52(0-1)-121916RE

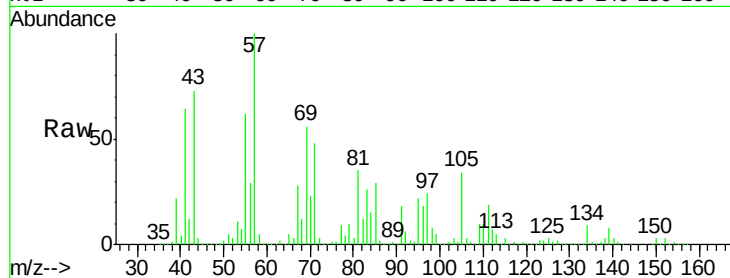
Tgt Ion:152 Resp: 140792

Ion Ratio Lower Upper

152 100

150 135.9 124.9 187.3

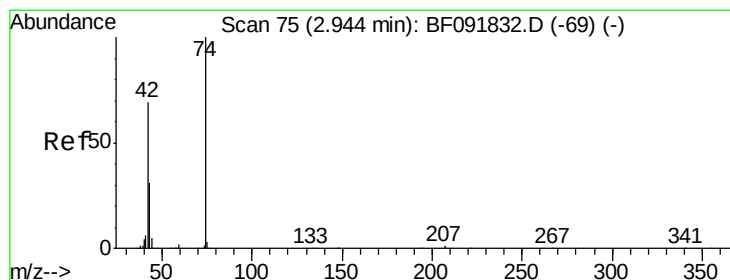
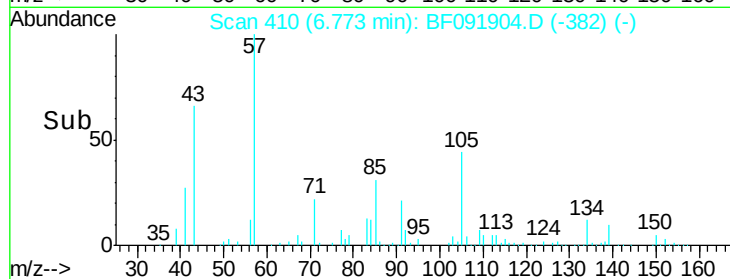
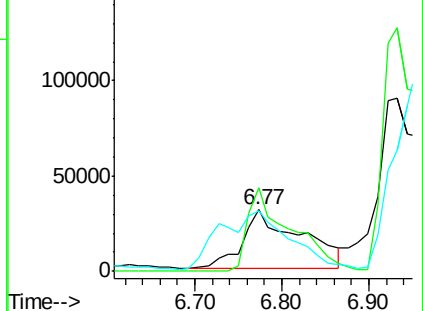
115 99.4 46.0 69.0#



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



#4

n-Nitrosodimethylamine

Concen: 3.91 ng

RT: 2.96 min Scan# 76

Delta R.T. 0.01 min

Lab File: BF091904.D

Acq: 23 Dec 2016 4:39

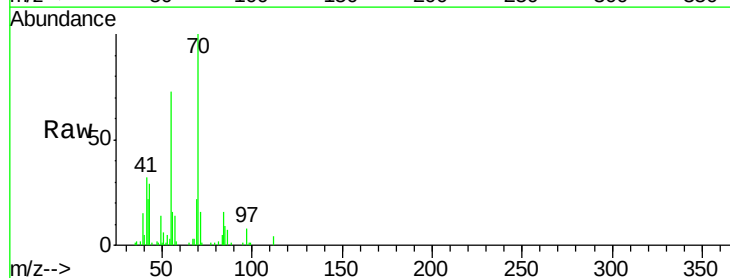
Tgt Ion: 42 Resp: 21345

Ion Ratio Lower Upper

42 100

74 0.0 117.0 175.4#

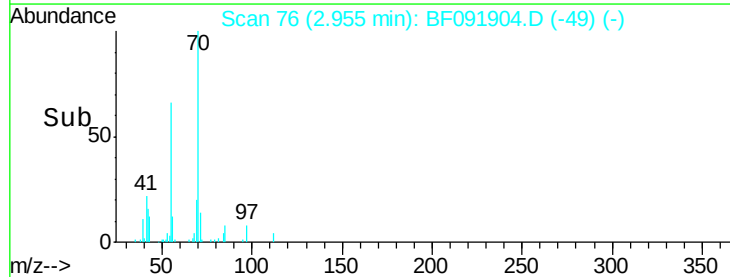
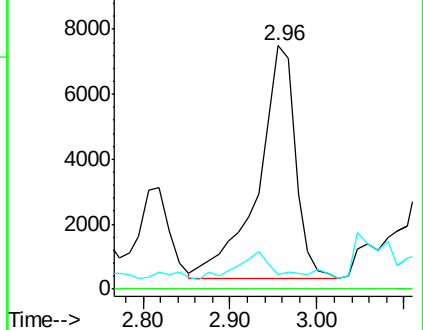
44 6.2 5.5 8.3

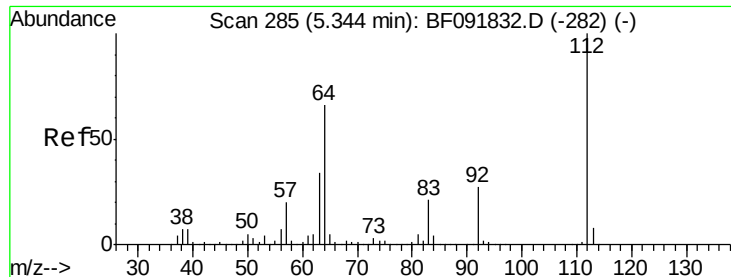


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 194.51 ng

RT: 5.40 min Scan# 290

Delta R.T. 0.06 min

Lab File: BF091904.D

Acq: 23 Dec 2016 4:39

Instrument :

BNA_F

ClientSampleId :

SB-52(0-1)-121916RE

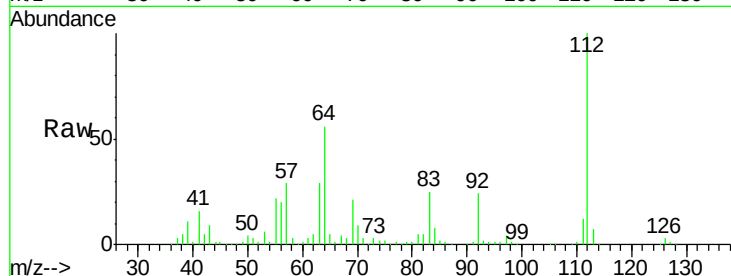
Tgt Ion: 112 Resp: 1640151

Ion Ratio Lower Upper

112 100

64 55.6 46.1 69.1

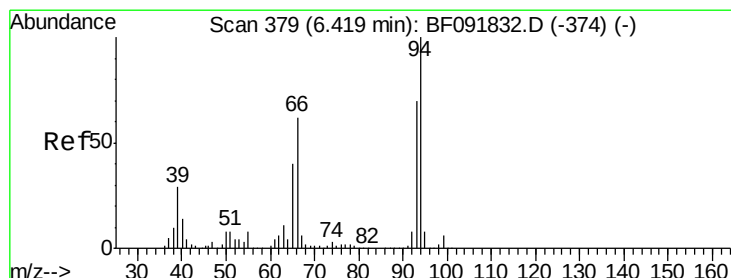
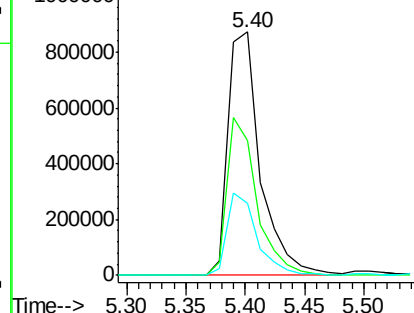
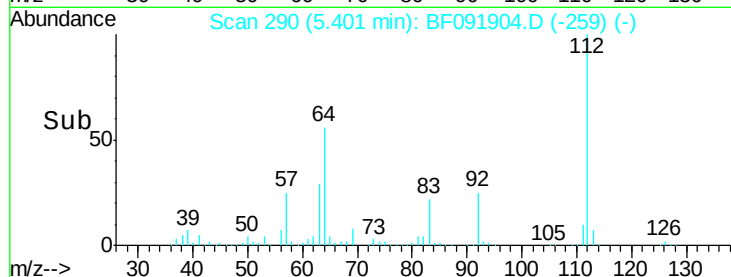
63 29.5 23.8 35.6



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: 3.97 ng

RT: 6.44 min Scan# 381

Delta R.T. 0.02 min

Lab File: BF091904.D

Acq: 23 Dec 2016 4:39

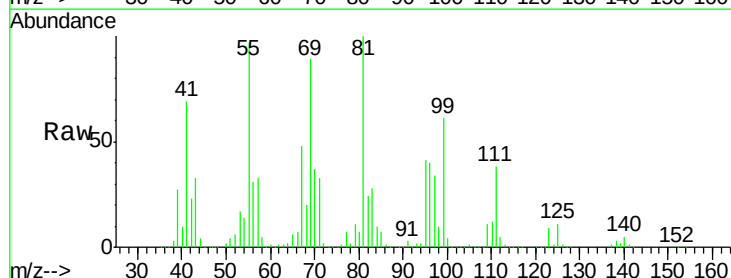
Tgt Ion: 93 Resp: 53032

Ion Ratio Lower Upper

93 100

66 273.2 76.2 114.2#

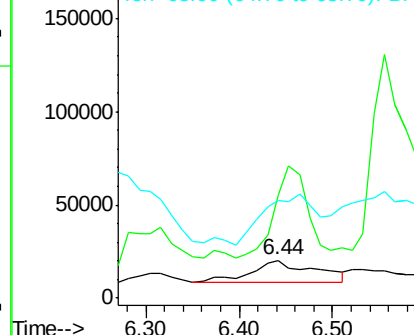
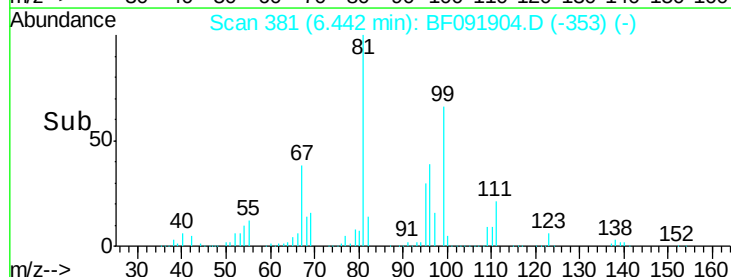
65 259.2 49.3 73.9#

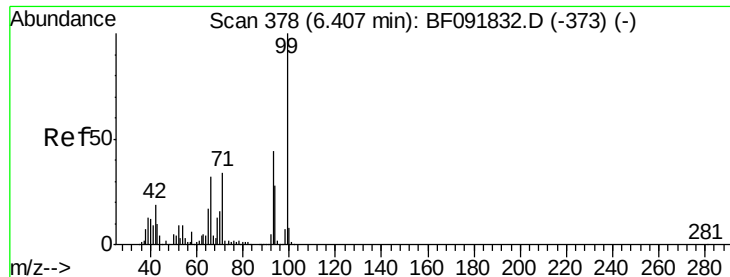


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

Ion 65.00 (64.70 to 65.70): BF0





#7

Phenol-d6

Concen: 160.77 ng

RT: 6.45 min Scan# 382

Delta R.T. 0.05 min

Lab File: BF091904.D

Acq: 23 Dec 2016 4:39

Instrument :

BNA_F

ClientSampleId :

SB-52(0-1)-121916RE

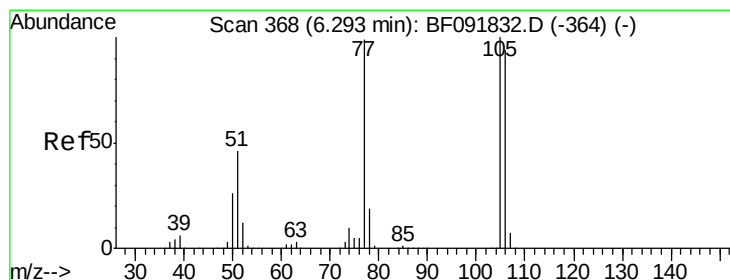
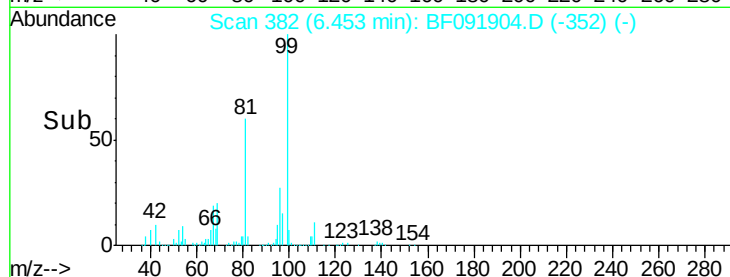
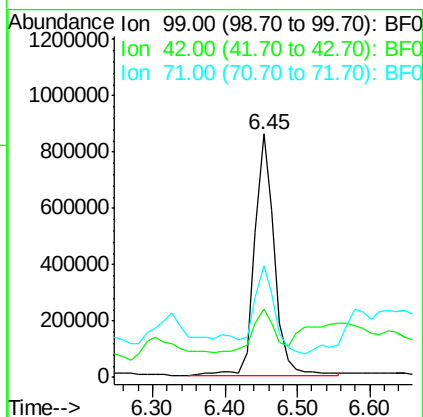
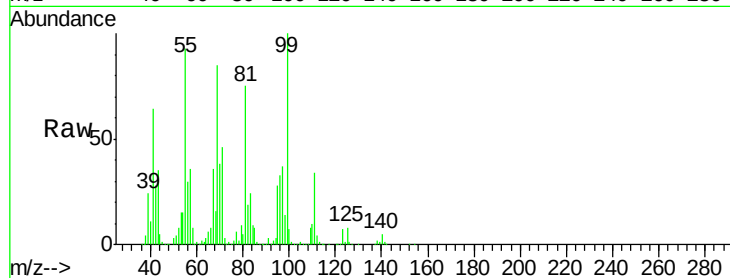
Tgt Ion: 99 Resp: 1655099

Ion Ratio Lower Upper

99 100

42 28.2 15.6 23.4#

71 46.0 27.5 41.3#



#9

Benzaldehyde

Concen: 6.61 ng

RT: 6.30 min Scan# 369

Delta R.T. 0.01 min

Lab File: BF091904.D

Acq: 23 Dec 2016 4:39

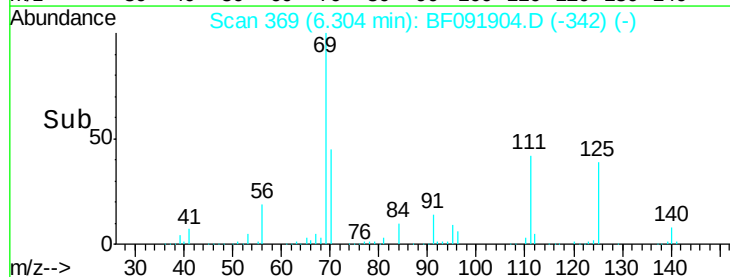
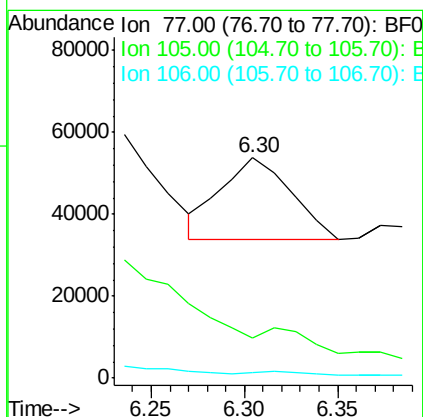
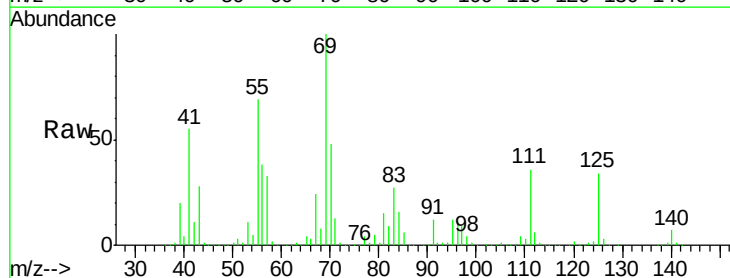
Tgt Ion: 77 Resp: 51599

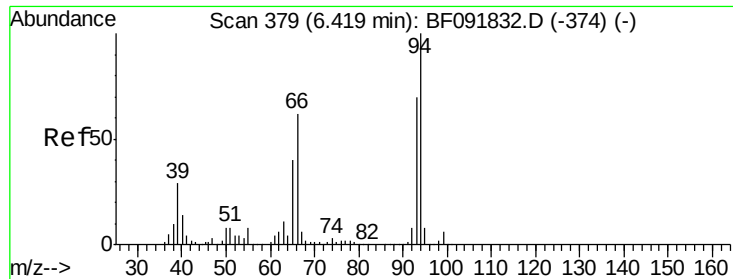
Ion Ratio Lower Upper

77 100

105 18.2 83.9 123.9#

106 2.3 77.6 117.6#





#10

Phenol

Concen: 11.04 ng

RT: 6.46 min Scan# 383

Delta R.T. 0.05 min

Lab File: BF091904.D

Acq: 23 Dec 2016 4:39

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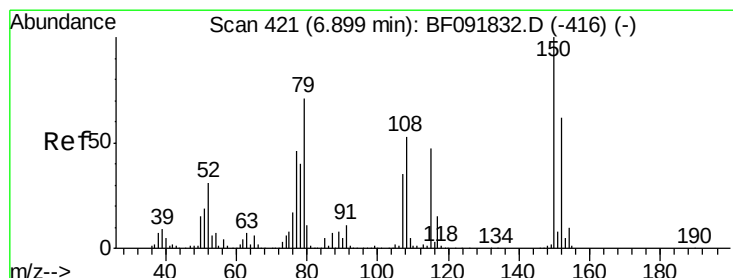
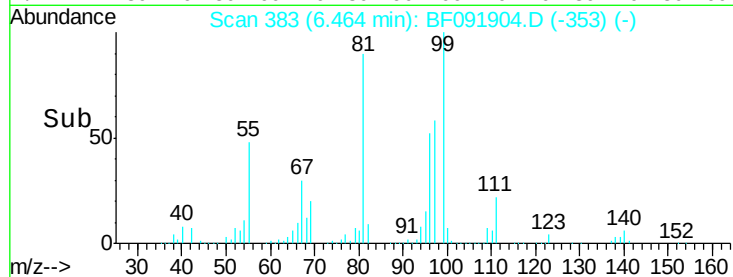
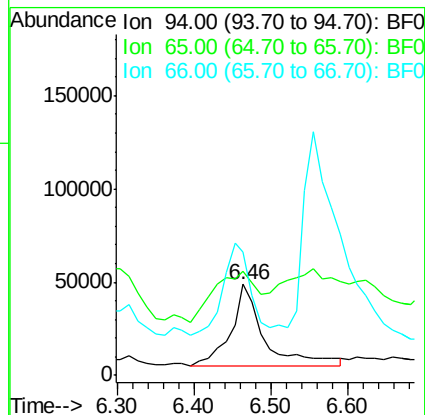
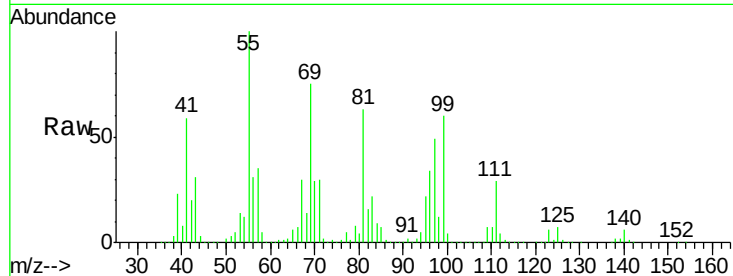
Tgt Ion: 94 Resp: 129535

Ion Ratio Lower Upper

94 100

65 114.4 21.4 61.4#

66 136.0 44.0 84.0#



#15

Benzyl Alcohol

Concen: 4.70 ng

RT: 6.89 min Scan# 420

Delta R.T. -0.01 min

Lab File: BF091904.D

Acq: 23 Dec 2016 4:39

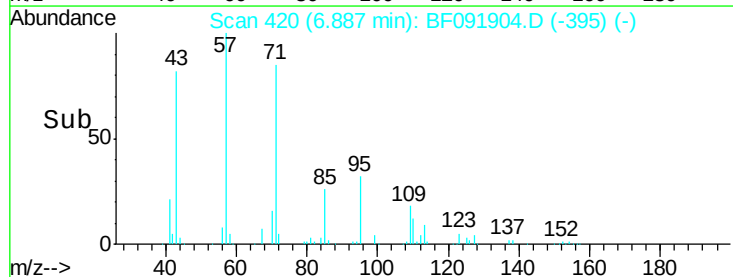
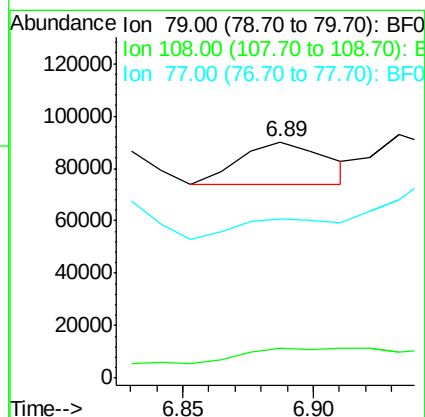
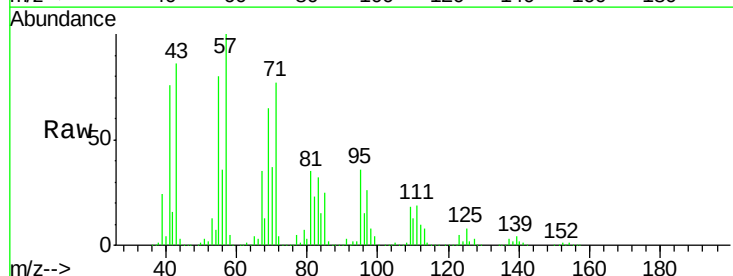
Tgt Ion: 79 Resp: 37582

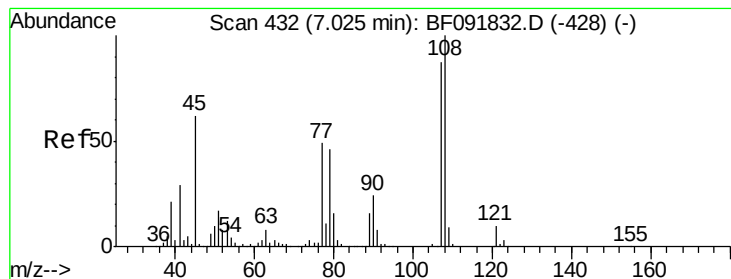
Ion Ratio Lower Upper

79 100

108 12.4 61.4 92.0#

77 67.1 50.9 76.3





#17

2-Methylphenol

Concen: 2.63 ng

RT: 7.13 min Scan# 441

Delta R.T. 0.10 min

Lab File: BF091904.D

Acq: 23 Dec 2016 4:39

Instrument :

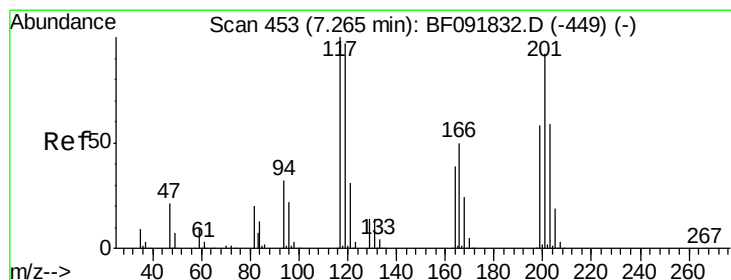
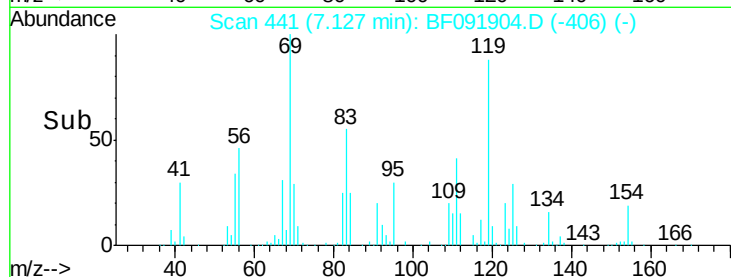
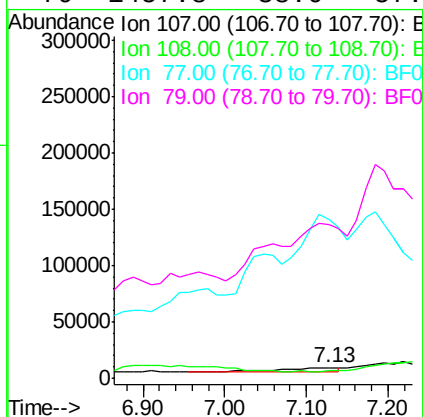
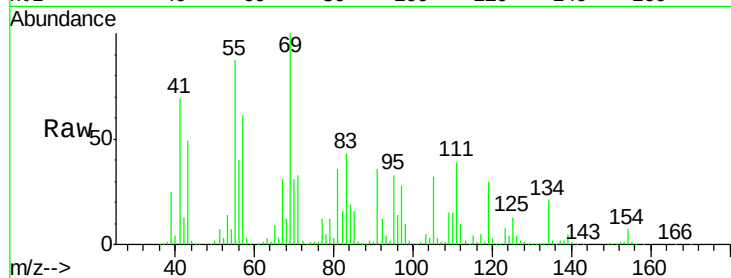
BNA_F

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Tgt Ion:107 Resp: 20282

Ion	Ratio	Lower	Upper
107	100		
108	72.2	93.0	139.6#
77	1508.3	39.8	59.8#
79	1457.8	38.0	57.0#



#18

Hexachloroethane

Concen: 778.62 ng

RT: 7.36 min Scan# 461

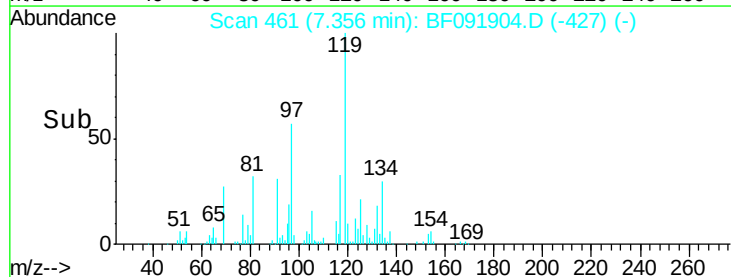
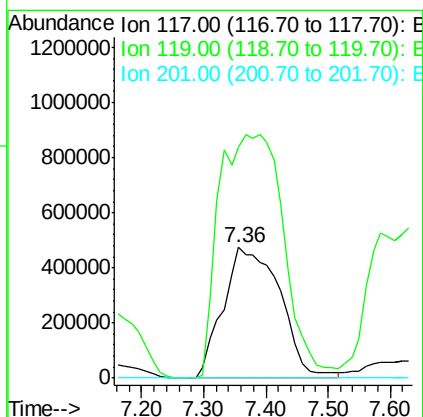
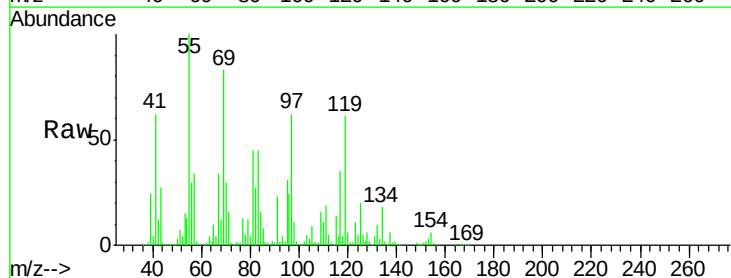
Delta R.T. 0.09 min

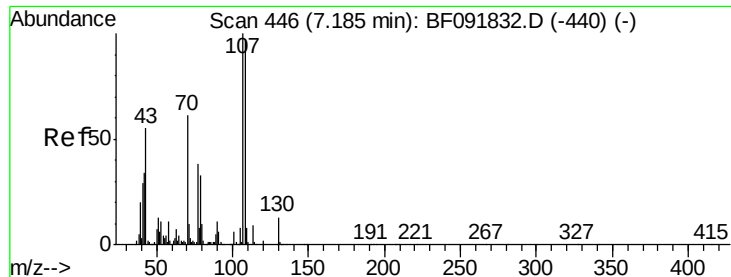
Lab File: BF091904.D

Acq: 23 Dec 2016 4:39

Tgt Ion:117 Resp: 3008418

Ion	Ratio	Lower	Upper
117	100		
119	176.5	78.1	117.1#
201	0.0	78.6	117.8#

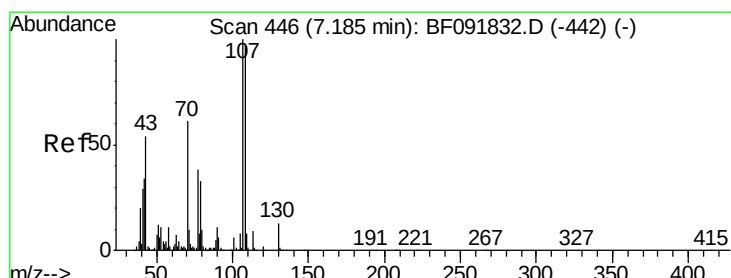
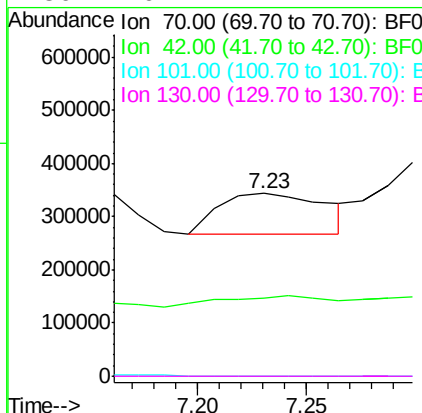
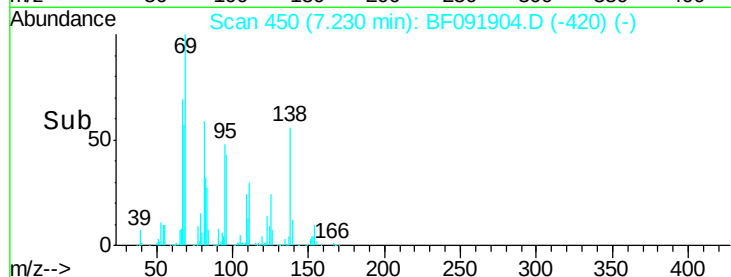
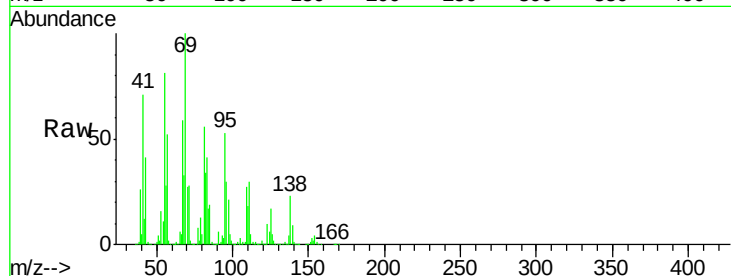




#19
n-Nitroso-di-n-propylamine
Concen: 37.77 ng
RT: 7.23 min Scan# 450
Delta R.T. 0.05 min
Lab File: BF091904.D
Acq: 23 Dec 2016 4:39

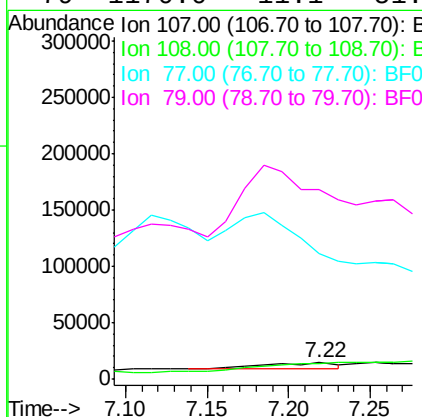
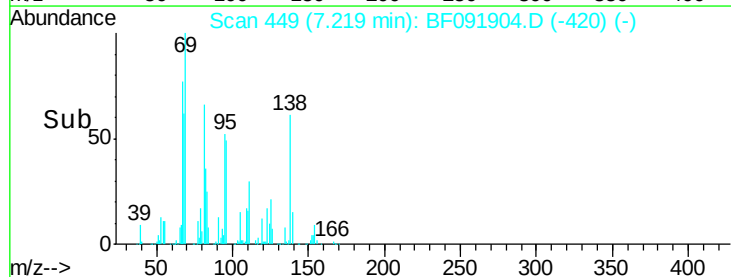
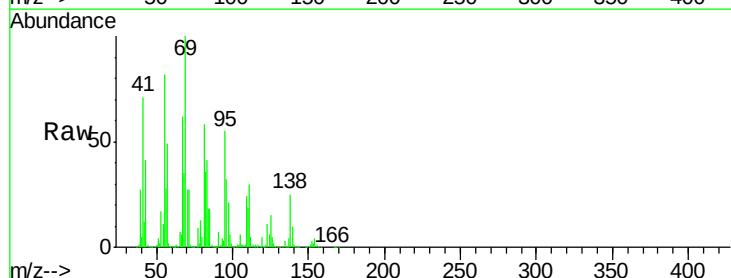
Instrument :
BNA_F
ClientSampleId :
SB-52(0-1)-121916RE

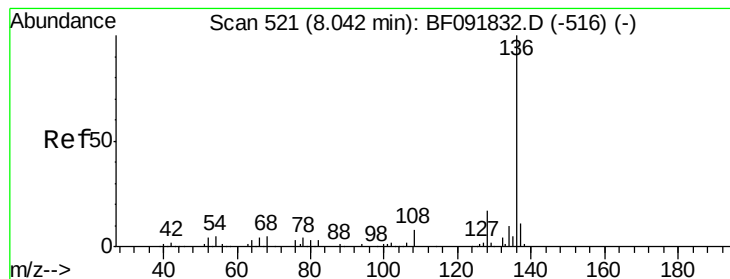
Tgt Ion: 70 Resp: 258707
Ion Ratio Lower Upper
70 100
42 42.8 49.4 74.0#
101 0.2 7.4 11.2#
130 0.1 14.2 21.4#



#20
3+4-Methylphenols
Concen: 2.06 ng
RT: 7.22 min Scan# 449
Delta R.T. 0.03 min
Lab File: BF091904.D
Acq: 23 Dec 2016 4:39

Tgt Ion: 107 Resp: 18936
Ion Ratio Lower Upper
107 100
108 96.3 73.0 113.0
77 773.4 71.3 111.3#
79 1170.0 11.1 51.1#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.11 min Scan# 527

Delta R.T. 0.07 min

Lab File: BF091904.D

Acq: 23 Dec 2016 4:39

Instrument :

BNA_F

ClientSampleId :

SB-52(0-1)-121916RE

Tgt Ion:136 Resp: 272746

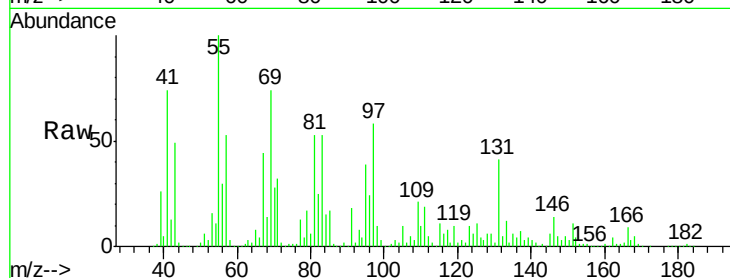
Ion Ratio Lower Upper

136 100

137 176.5 8.4 12.6#

54 277.6 4.5 6.7#

68 370.9 3.6 5.4#



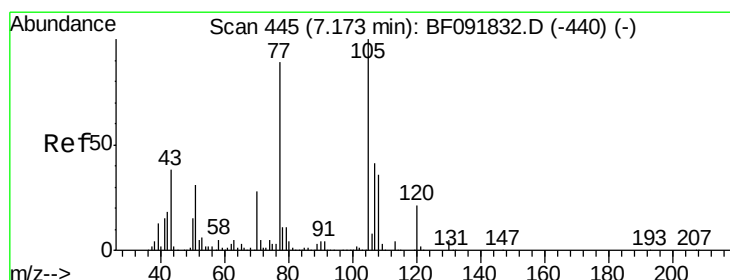
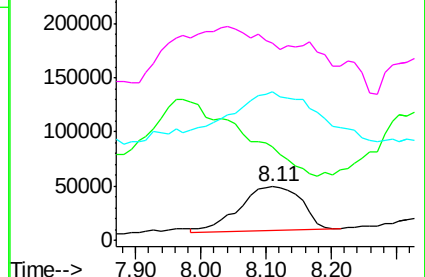
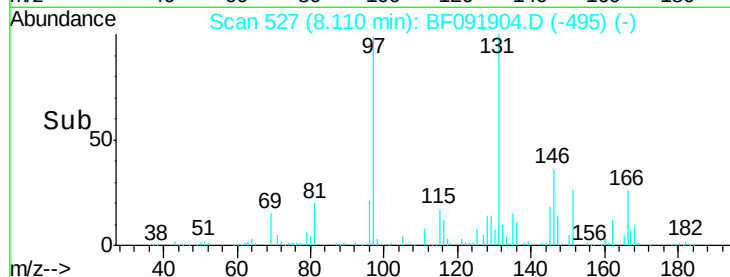
Abundance Ion 136.00 (135.70 to 136.70): E

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

Time-->



#22

Acetophenone

Concen: 303.73 ng

RT: 7.12 min Scan# 440

Delta R.T. -0.06 min

Lab File: BF091904.D

Acq: 23 Dec 2016 4:39

Tgt Ion:105 Resp: 2043282

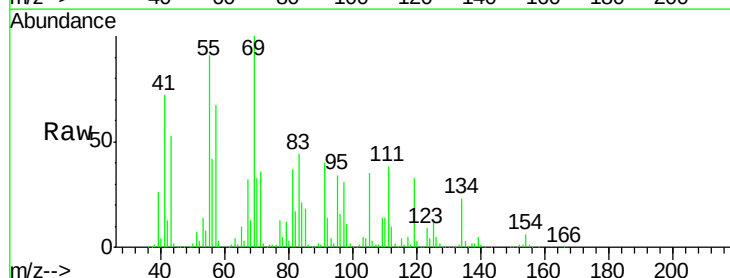
Ion Ratio Lower Upper

105 100

71 103.5 3.2 4.8#

51 19.9 26.2 39.4#

120 9.7 16.6 24.8#



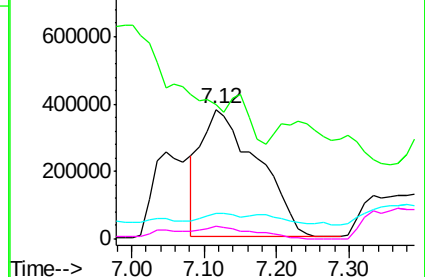
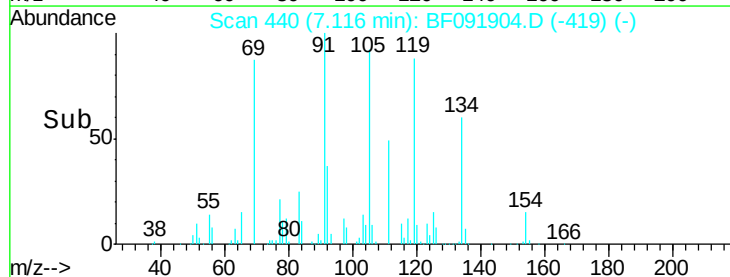
Abundance Ion 105.00 (104.70 to 105.70): E

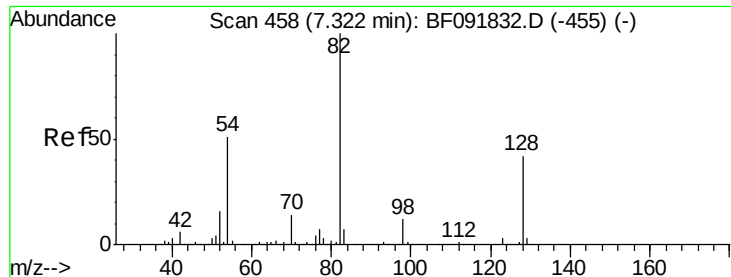
Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

Time-->

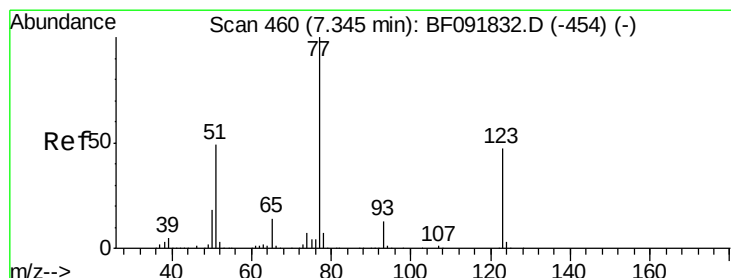
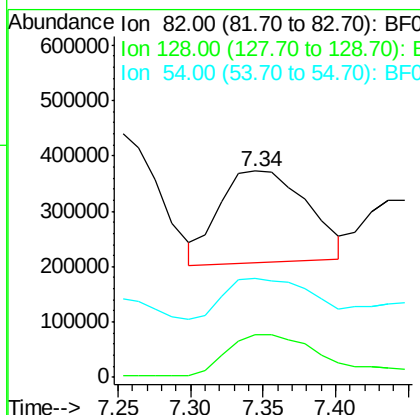
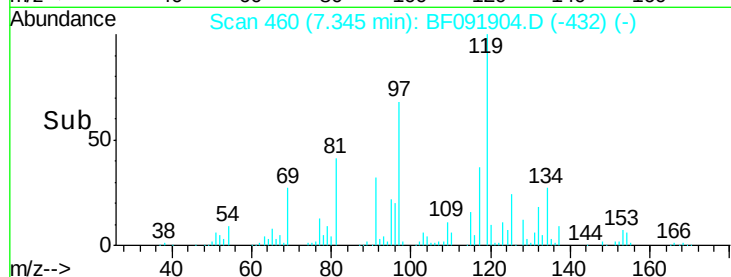
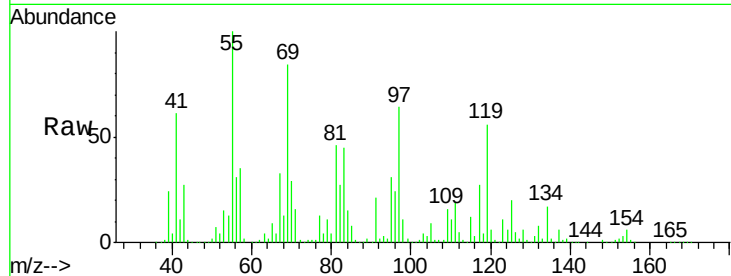




#23
 Nitrobenzene-d5
 Concen: 142.40 ng
 RT: 7.34 min Scan# 460
 Delta R.T. 0.02 min
 Lab File: BF091904.D
 Acq: 23 Dec 2016 4:39

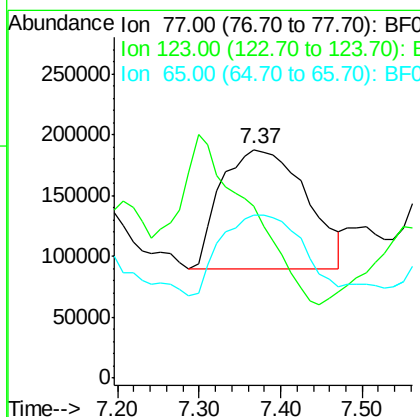
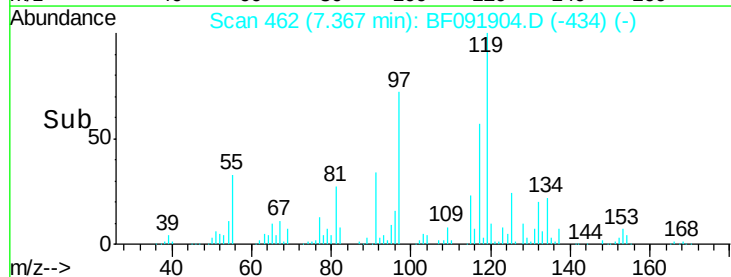
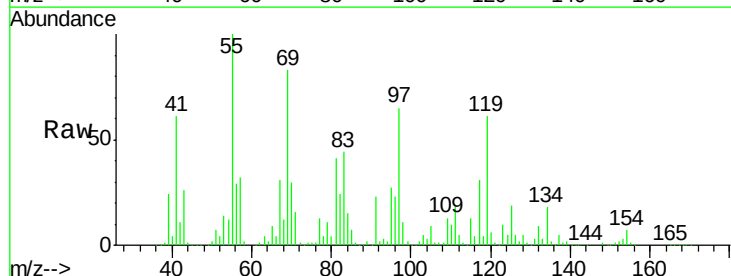
Instrument :
 BNA_F
 ClientSampleId :
 SB-52(0-1)-121916RE

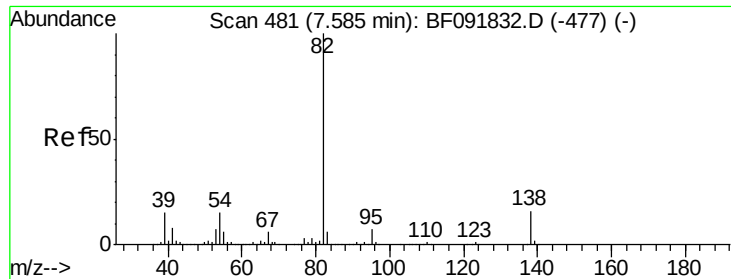
Tgt Ion: 82 Resp: 698484
 Ion Ratio Lower Upper
 82 100
 128 20.8 34.6 52.0#
 54 48.2 39.5 59.3



#24
 Nitrobenzene
 Concen: 136.86 ng
 RT: 7.37 min Scan# 462
 Delta R.T. 0.02 min
 Lab File: BF091904.D
 Acq: 23 Dec 2016 4:39

Tgt Ion: 77 Resp: 715001
 Ion Ratio Lower Upper
 77 100
 123 75.1 33.0 49.4#
 65 71.2 11.2 16.8#





#25

Isophorone

Concen: 505.34 ng

RT: 7.79 min Scan# 499

Delta R.T. 0.21 min

Lab File: BF091904.D

Acq: 23 Dec 2016 4:39

Instrument :

BNA_F

ClientSampleId :

SB-52(0-1)-121916RE

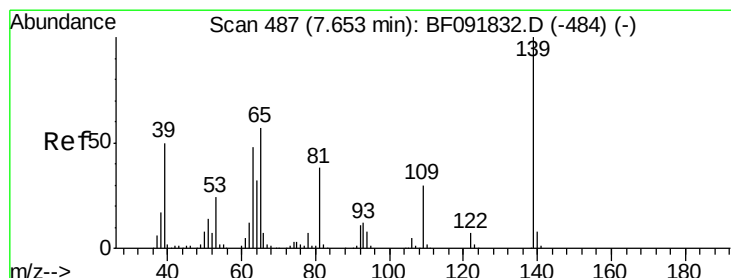
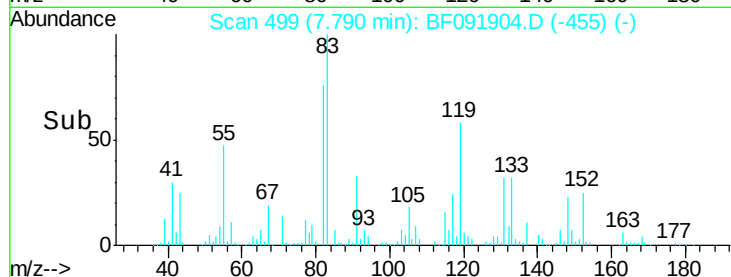
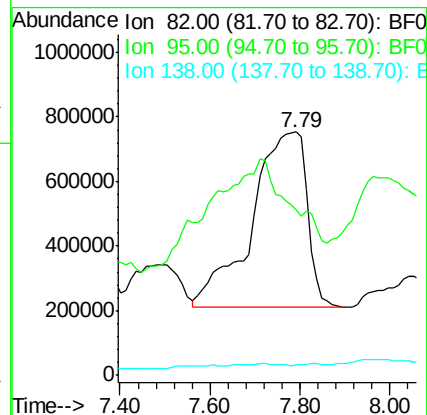
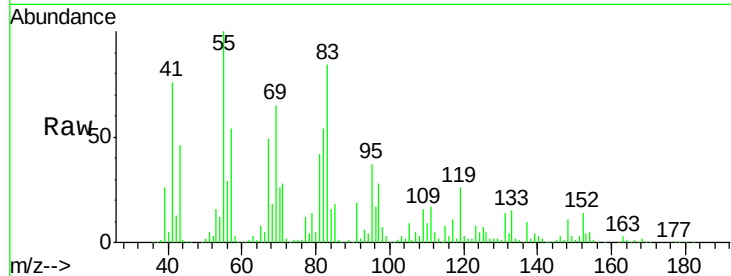
Tgt Ion: 82 Resp: 4573066

Ion Ratio Lower Upper

82 100

95 67.8 5.6 8.4#

138 4.2 14.6 22.0#



#26

2-Nitrophenol

Concen: 232.29 ng

RT: 7.86 min Scan# 505

Delta R.T. 0.21 min

Lab File: BF091904.D

Acq: 23 Dec 2016 4:39

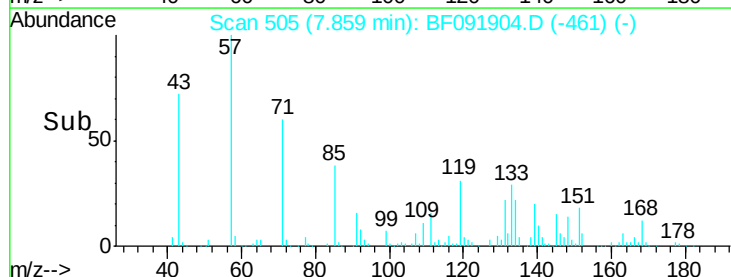
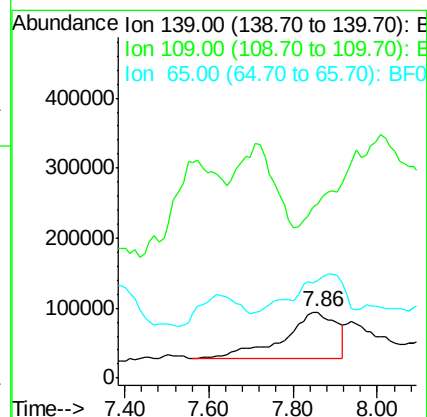
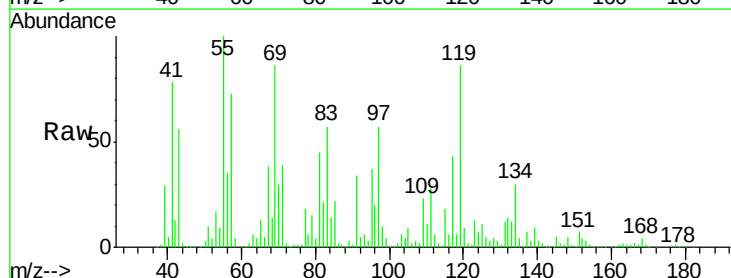
Tgt Ion: 139 Resp: 598435

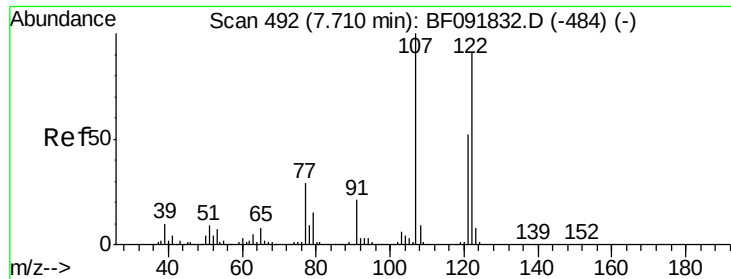
Ion Ratio Lower Upper

139 100

109 263.4 23.3 34.9#

65 147.8 42.7 64.1#





#27

2,4-Dimethylphenol

Concen: 38.00 ng

RT: 7.81 min Scan# 501

Delta R.T. 0.10 min

Lab File: BF091904.D

Acq: 23 Dec 2016 4:39

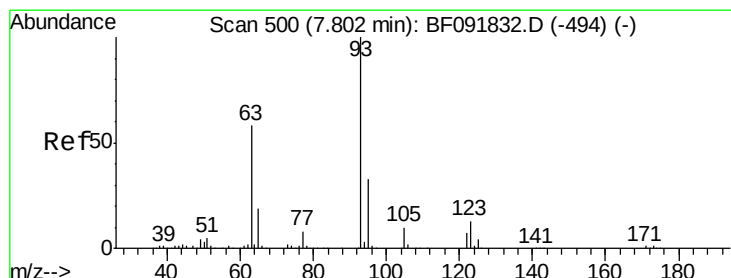
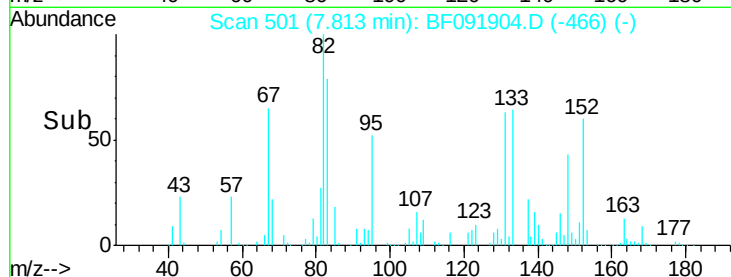
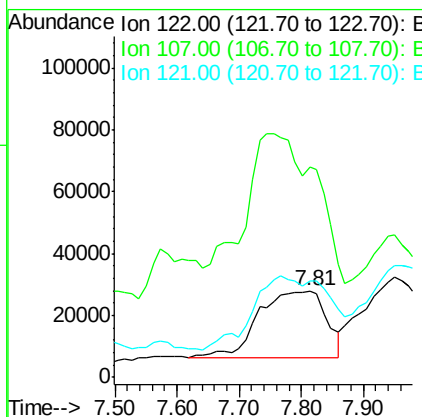
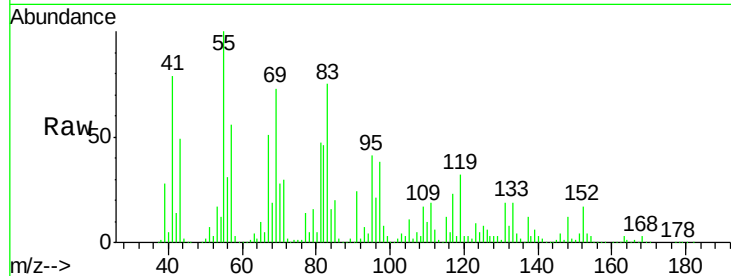
Instrument :

BNA_F

ClientSampleId :

SB-52(0-1)-121916RE

Tgt Ion:	122	Resp:	162392
Ion	Ratio	Lower	Upper
122	100		
107	242.8	94.1	141.1#
121	112.1	46.0	69.0#



#28

bis(2-Chloroethoxy)methane

Concen: 23.86 ng

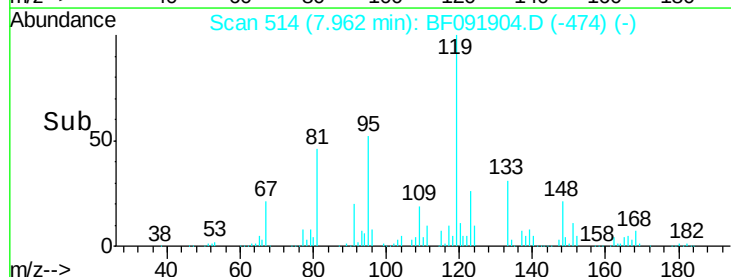
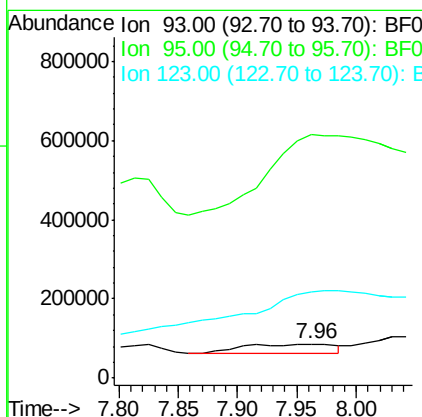
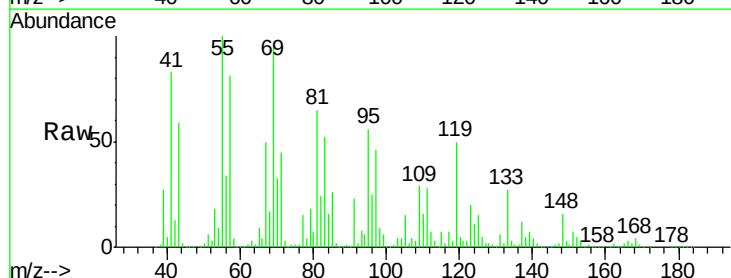
RT: 7.96 min Scan# 514

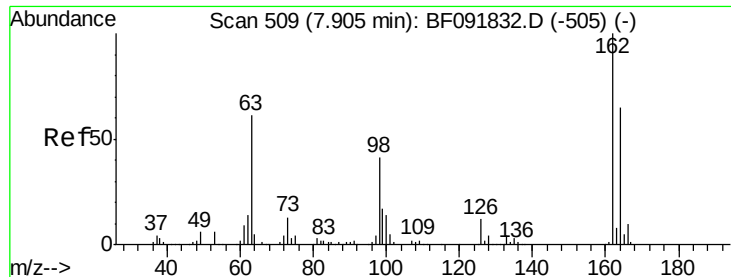
Delta R.T. 0.16 min

Lab File: BF091904.D

Acq: 23 Dec 2016 4:39

Tgt Ion:	93	Resp:	130925
Ion	Ratio	Lower	Upper
93	100		
95	709.1	26.5	39.7#
123	252.2	8.6	13.0#

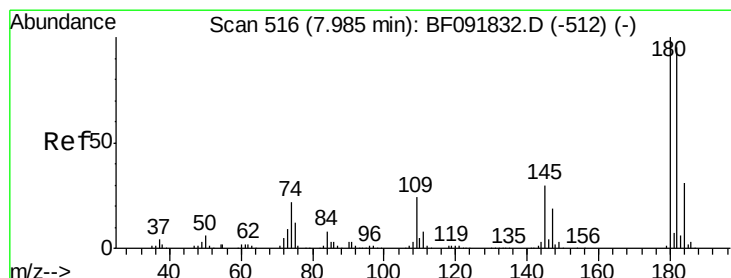
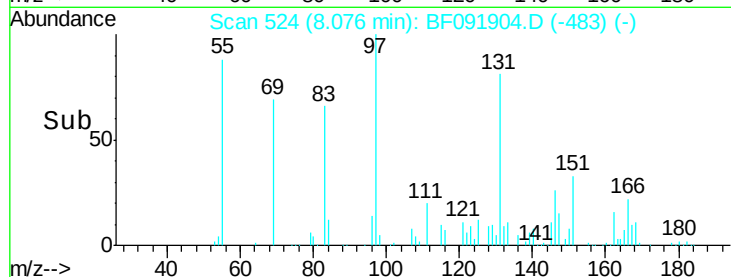
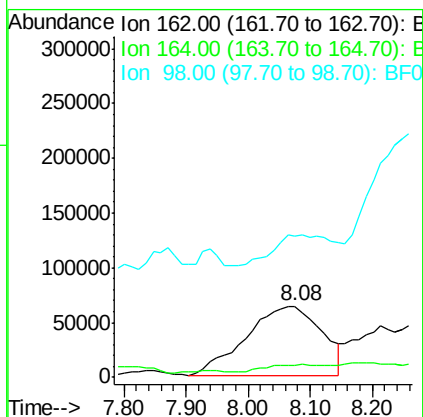
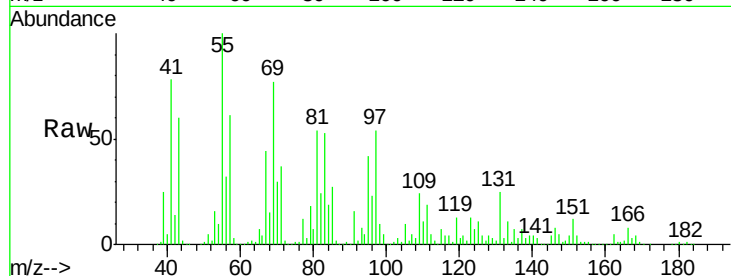




#29
2,4-Dichlorophenol
Concen: 147.27 ng
RT: 8.08 min Scan# 524
Delta R.T. 0.17 min
Lab File: BF091904.D
Acq: 23 Dec 2016 4:39

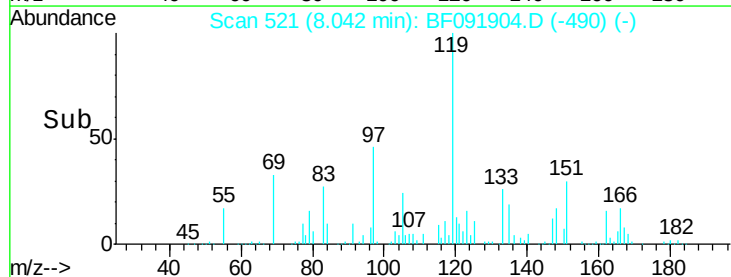
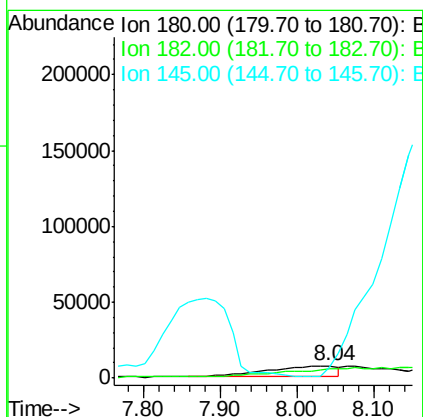
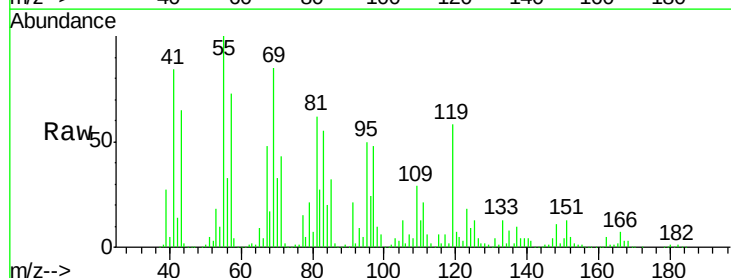
Instrument :
BNA_F
ClientSampleId :
SB-52(0-1)-121916RE

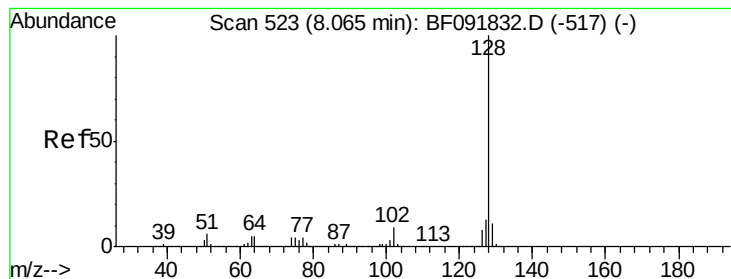
Tgt Ion:162 Resp: 532877
Ion Ratio Lower Upper
162 100
164 17.4 46.8 86.8#
98 198.9 9.1 49.1#



#30
1,2,4-Trichlorobenzene
Concen: 10.42 ng
RT: 8.04 min Scan# 521
Delta R.T. 0.06 min
Lab File: BF091904.D
Acq: 23 Dec 2016 4:39

Tgt Ion:180 Resp: 41326
Ion Ratio Lower Upper
180 100
182 71.5 78.2 117.4#
145 85.4 21.6 32.4#





#31

Naphthalene

Concen: 58.37 ng

RT: 8.16 min Scan# 531

Delta R.T. 0.09 min

Lab File: BF091904.D

Acq: 23 Dec 2016 4:39

Instrument :

BNA_F

ClientSampleId :

SB-52(0-1)-121916RE

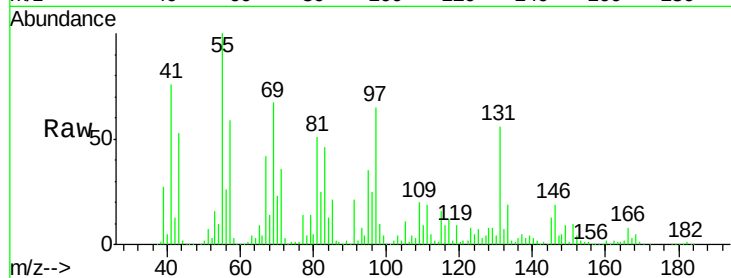
Tgt Ion:128 Resp: 728685

Ion Ratio Lower Upper

128 100

129 99.4 9.5 14.3#

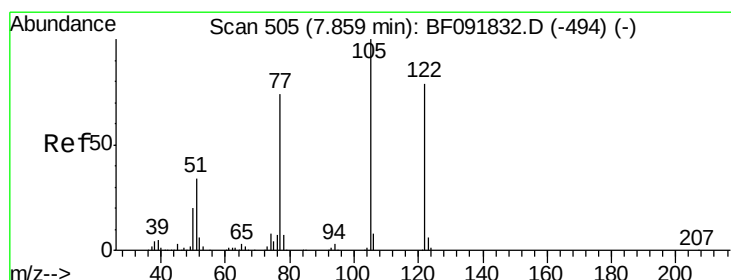
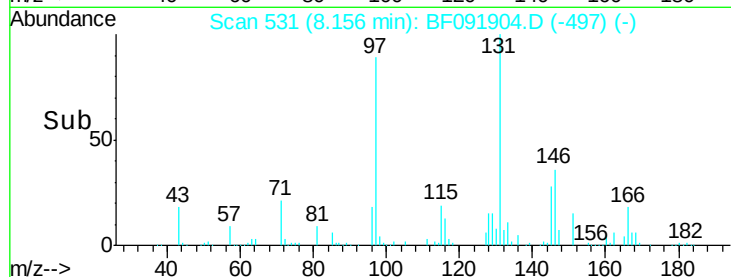
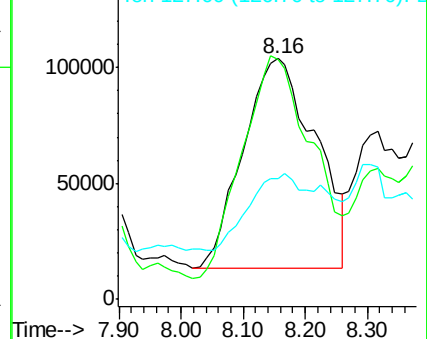
127 50.2 10.8 16.2#



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: 26.52 ng

RT: 7.95 min Scan# 513

Delta R.T. 0.09 min

Lab File: BF091904.D

Acq: 23 Dec 2016 4:39

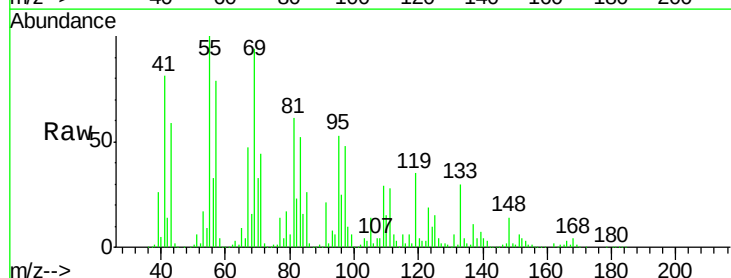
Tgt Ion:122 Resp: 84060

Ion Ratio Lower Upper

122 100

105 480.6 107.2 147.2#

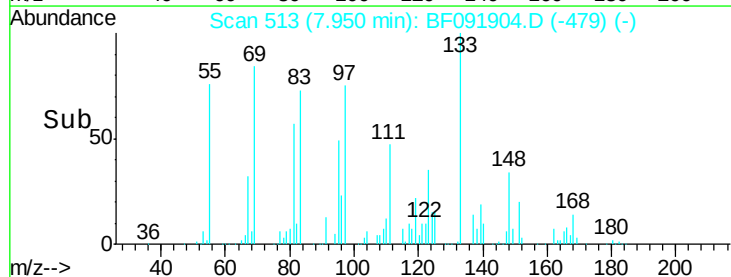
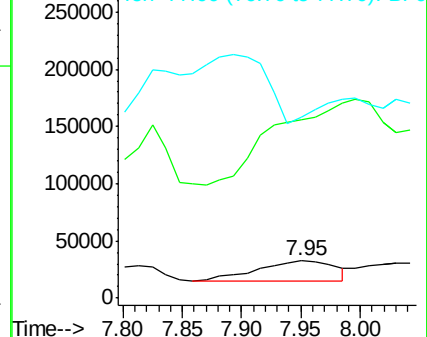
77 488.5 74.5 114.5#

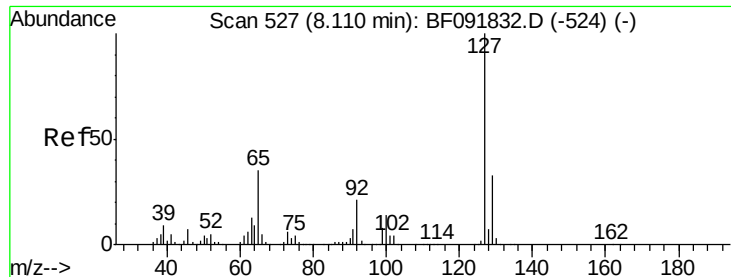


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

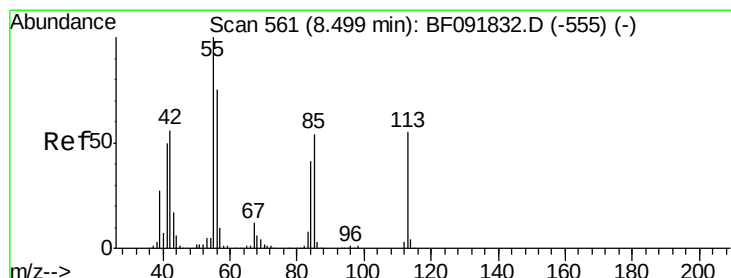
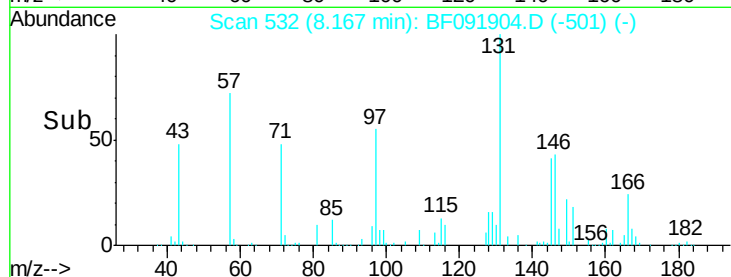
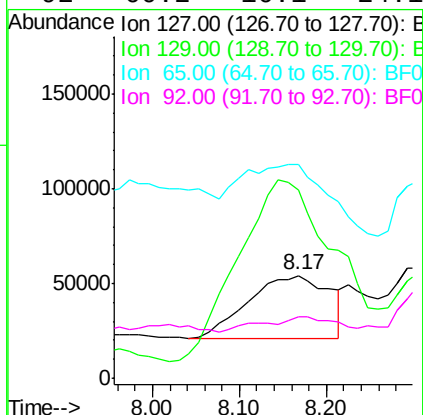
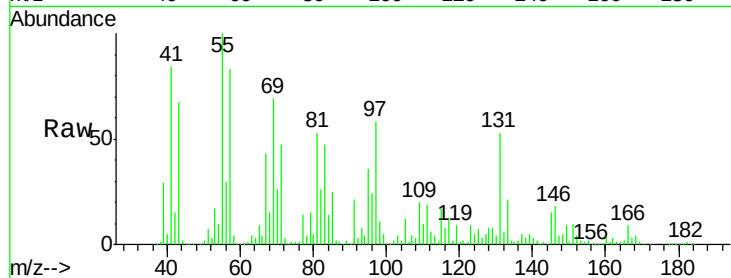




#33
4-Chloroaniline
Concen: 37.94 ng
RT: 8.17 min Scan# 532
Delta R.T. 0.06 min
Lab File: BF091904.D
Acq: 23 Dec 2016 4:39

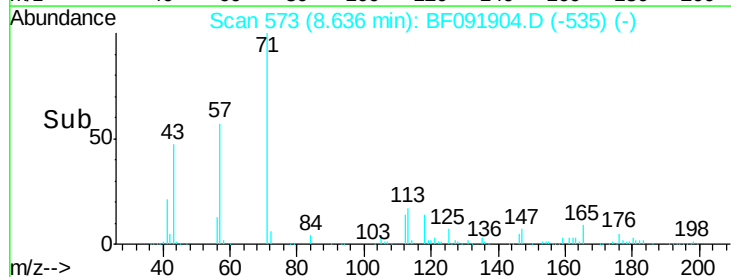
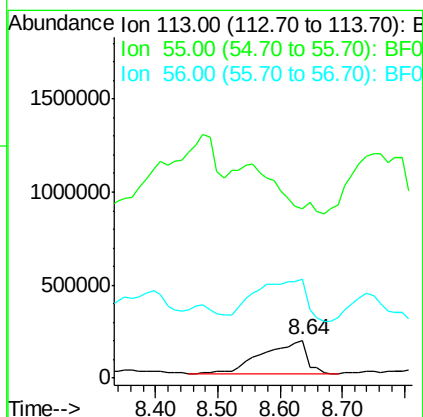
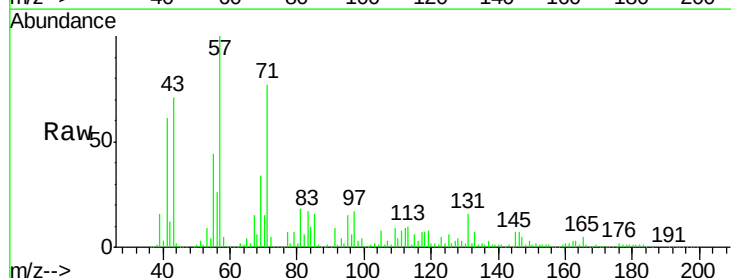
Instrument :
BNA_F
ClientSampleId :
SB-52(0-1)-121916RE

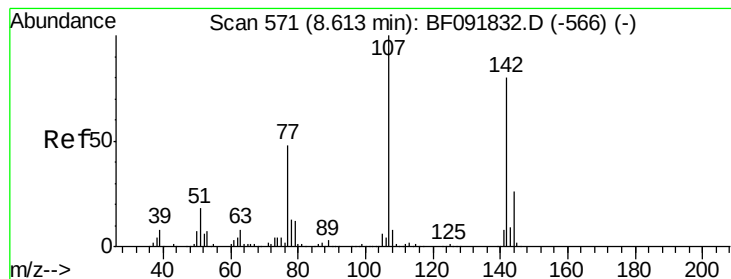
Tgt Ion:127 Resp: 213547
Ion Ratio Lower Upper
127 100
129 183.7 26.3 39.5#
65 207.8 25.8 38.8#
92 60.2 16.1 24.1#



#35
Caprolactam
Concen: 731.97 ng
RT: 8.64 min Scan# 573
Delta R.T. 0.14 min
Lab File: BF091904.D
Acq: 23 Dec 2016 4:39

Tgt Ion:113 Resp: 870331
Ion Ratio Lower Upper
113 100
55 448.6 119.2 159.2#
56 262.9 83.8 123.8#





#36

4-Chloro-3-methylphenol

Concen: 6.12 ng

RT: 8.72 min Scan# 580

Delta R.T. 0.10 min

Lab File: BF091904.D

Acq: 23 Dec 2016 4:39

Instrument :

BNA_F

ClientSampleId :

SB-52(0-1)-121916RE

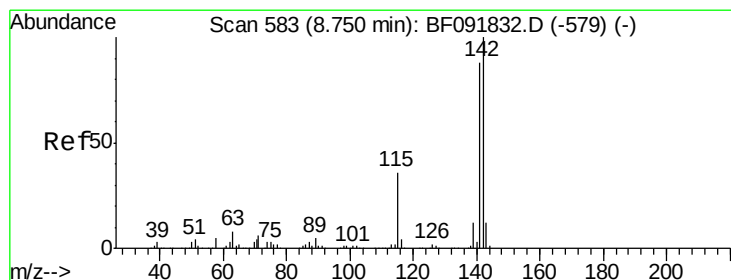
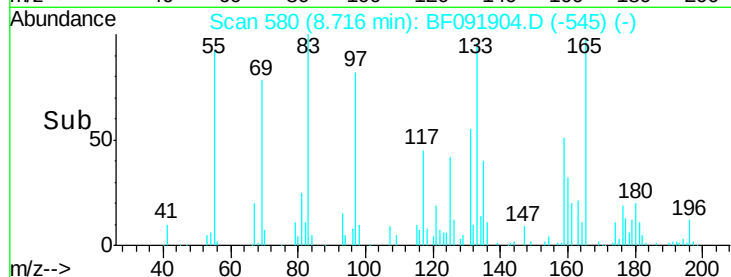
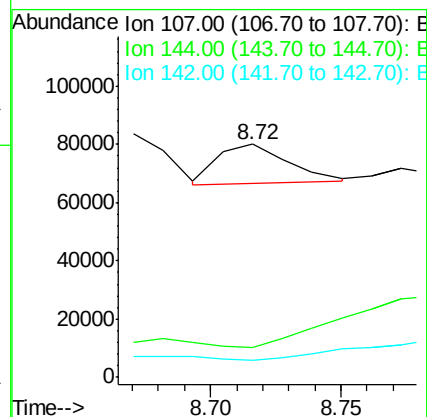
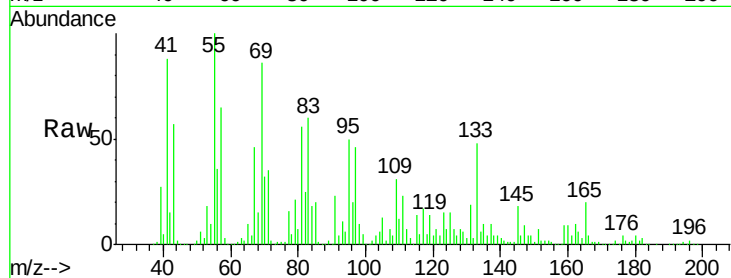
Tgt Ion:107 Resp: 25485

Ion Ratio Lower Upper

107 100

144 12.6 19.3 28.9#

142 7.5 59.0 88.6#



#37

2-Methylnaphthalene

Concen: Below Cal

RT: 8.90 min Scan# 596

Delta R.T. 0.15 min

Lab File: BF091904.D

Acq: 23 Dec 2016 4:39

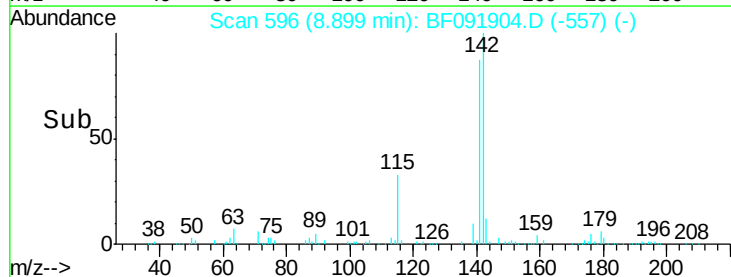
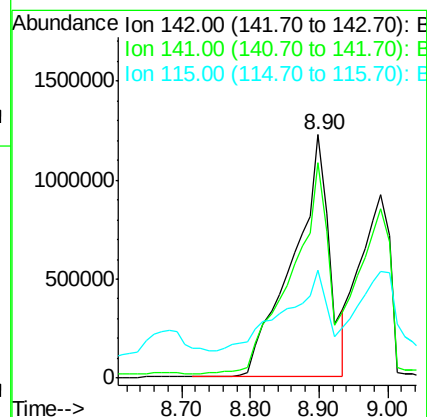
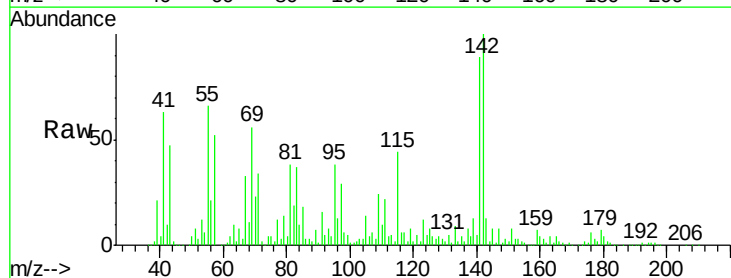
Tgt Ion:142 Resp: 4502784

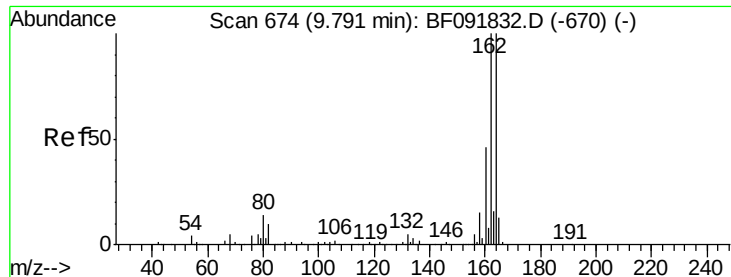
Ion Ratio Lower Upper

142 100

141 88.7 71.0 106.6

115 44.2 28.3 42.5#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.88 min Scan# 682

Delta R.T. 0.09 min

Lab File: BF091904.D

Acq: 23 Dec 2016 4:39

Instrument :

BNA_F

ClientSampleId :

SB-52(0-1)-121916RE

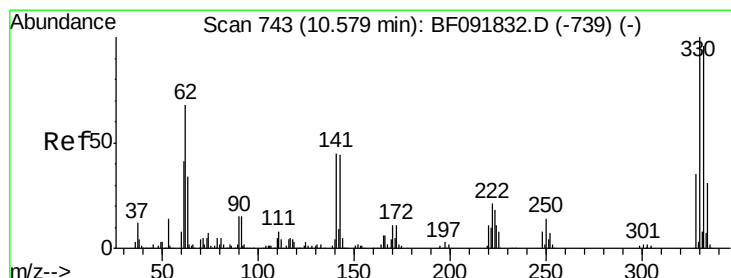
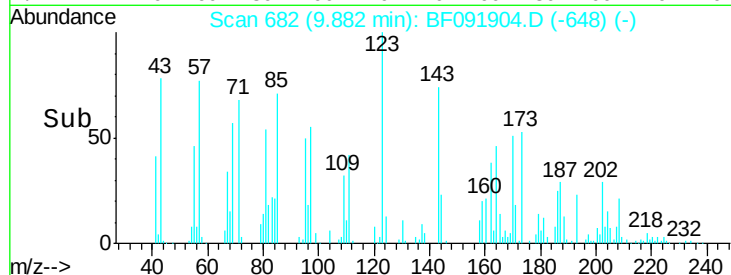
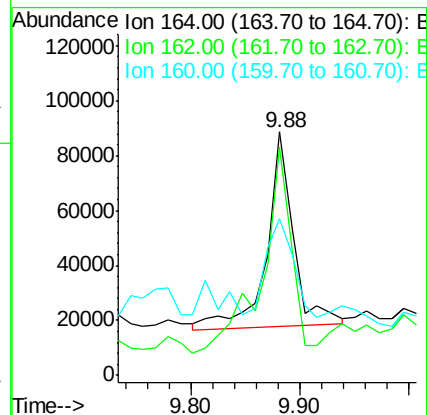
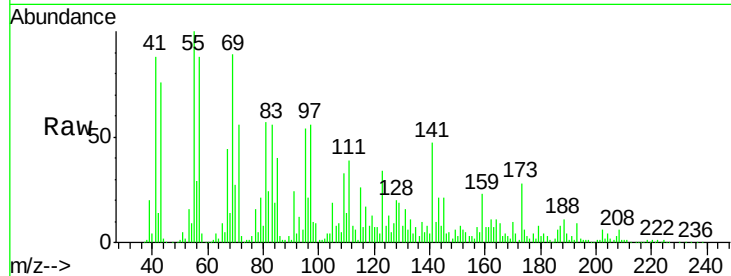
Tgt Ion:164 Resp: 120818

Ion Ratio Lower Upper

164 100

162 93.8 80.2 120.2

160 64.3 36.9 55.3#



#41

2,4,6-Tribromophenol

Concen: 271.82 ng

RT: 10.62 min Scan# 747

Delta R.T. 0.05 min

Lab File: BF091904.D

Acq: 23 Dec 2016 4:39

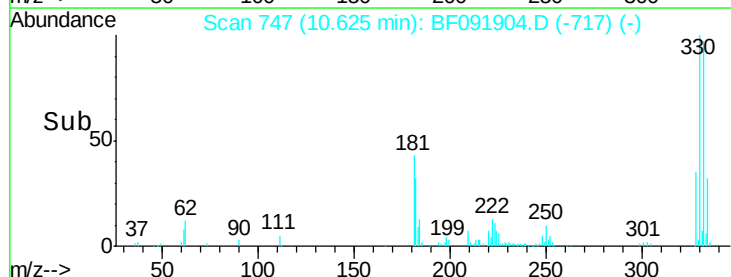
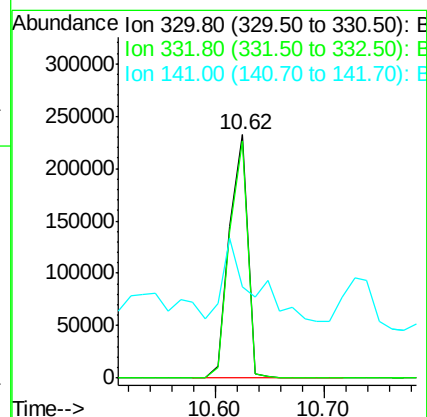
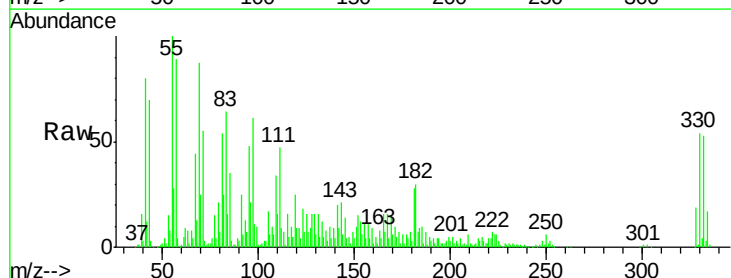
Tgt Ion:330 Resp: 271785

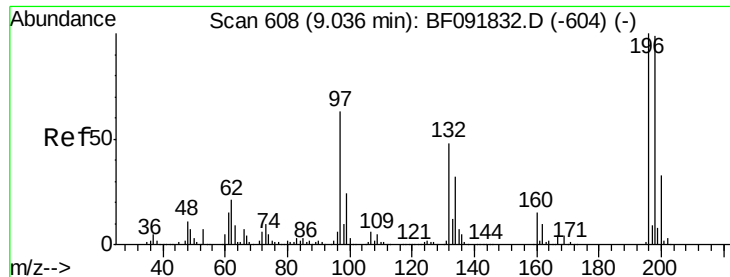
Ion Ratio Lower Upper

330 100

332 96.6 77.4 116.2

141 55.8 34.1 51.1#

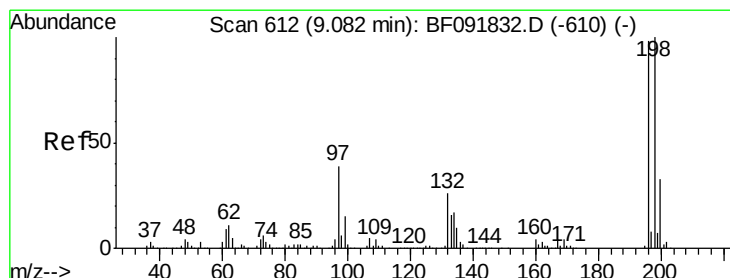
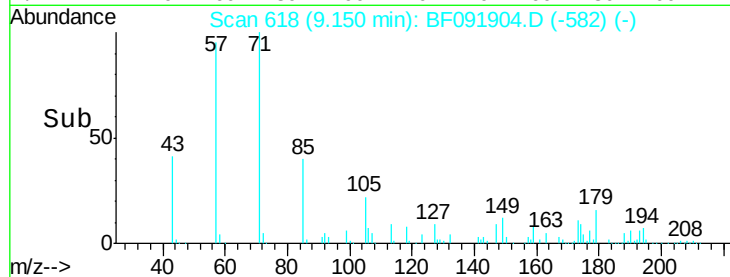
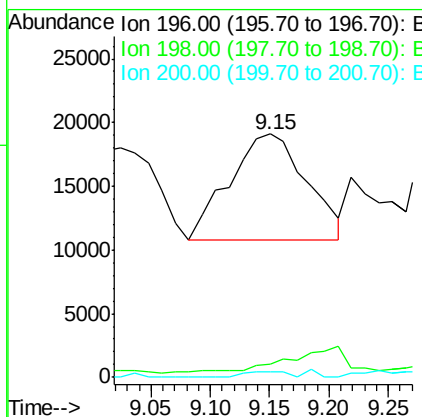
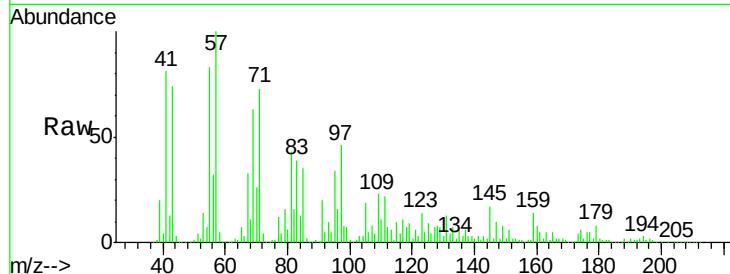




#42
 2,4,6-Trichlorophenol
 Concen: 17.73 ng
 RT: 9.15 min Scan# 618
 Delta R.T. 0.11 min
 Lab File: BF091904.D
 Acq: 23 Dec 2016 4:39

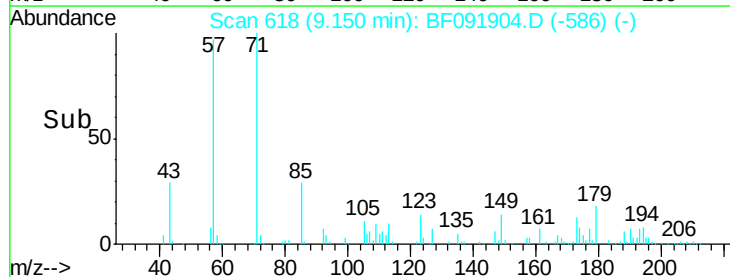
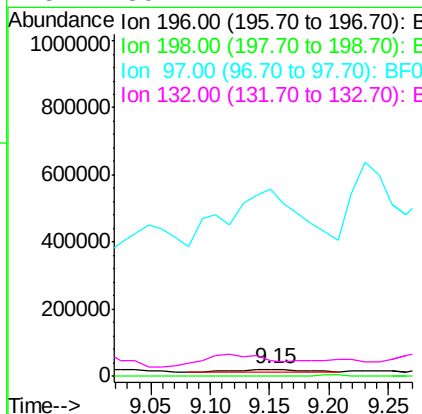
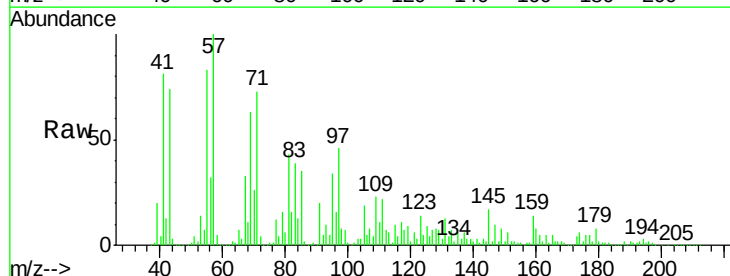
Instrument :
 BNA_F
 ClientSampleId :
 SB-52(0-1)-121916RE

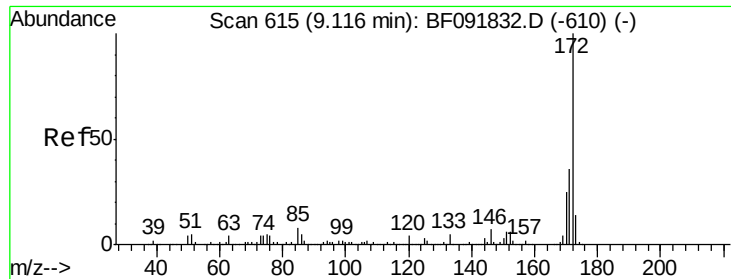
Tgt Ion:196 Resp: 37850
 Ion Ratio Lower Upper
 196 100
 198 5.4 82.1 123.1#
 200 2.4 27.0 40.4#



#43
 2,4,5-Trichlorophenol
 Concen: 17.23 ng
 RT: 9.15 min Scan# 618
 Delta R.T. 0.07 min
 Lab File: BF091904.D
 Acq: 23 Dec 2016 4:39

Tgt Ion:196 Resp: 37850
 Ion Ratio Lower Upper
 196 100
 198 5.4 79.4 119.2#
 97 2921.7 51.5 77.3#
 132 239.1 27.4 41.2#

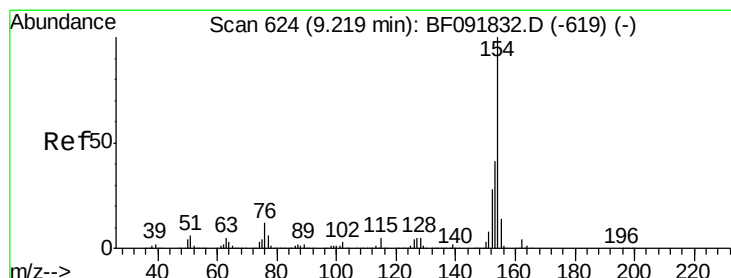
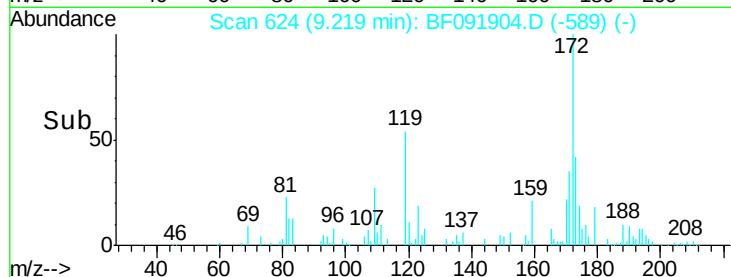
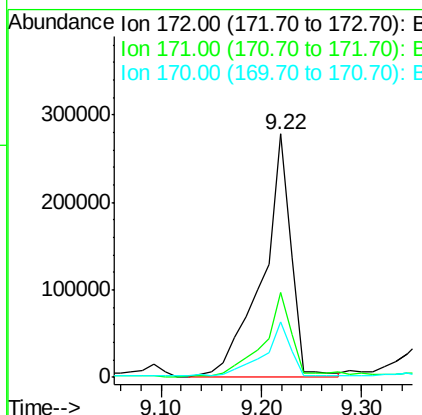
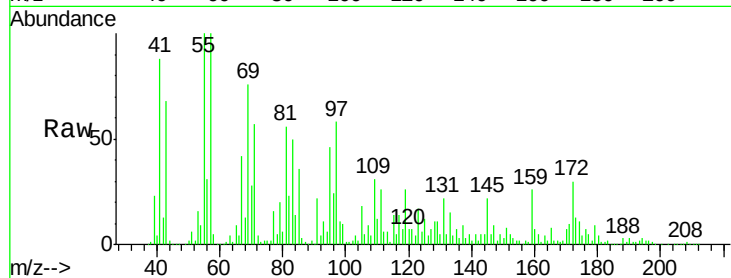




#44
 2-Fluorobiphenyl
 Concen: 93.33 ng
 RT: 9.22 min Scan# 624
 Delta R.T. 0.10 min
 Lab File: BF091904.D
 Acq: 23 Dec 2016 4:39

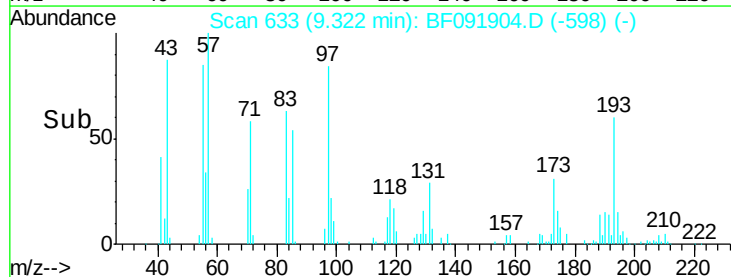
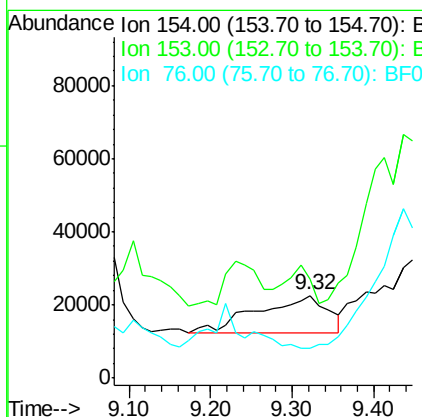
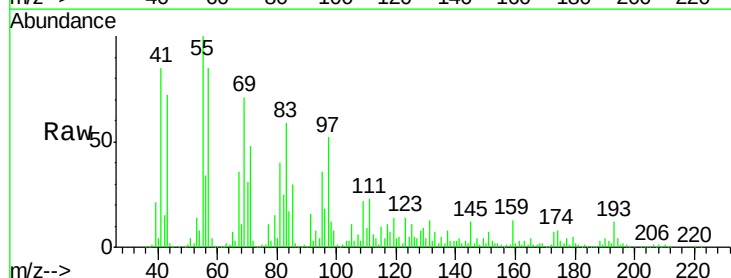
Instrument :
 BNA_F
 ClientSampleId :
 SB-52(0-1)-121916RE

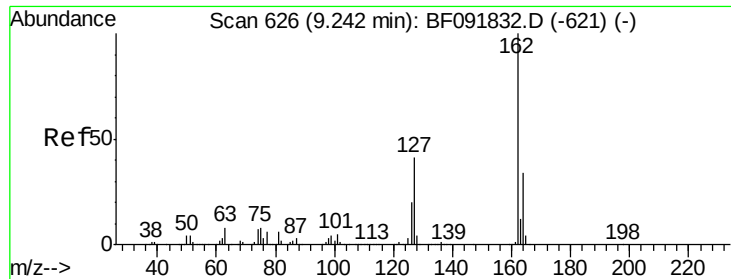
Tgt Ion:172 Resp: 542880
 Ion Ratio Lower Upper
 172 100
 171 34.8 29.4 44.0
 170 22.9 20.2 30.4



#45
 1,1'-Biphenyl
 Concen: 7.56 ng
 RT: 9.32 min Scan# 633
 Delta R.T. 0.10 min
 Lab File: BF091904.D
 Acq: 23 Dec 2016 4:39

Tgt Ion:154 Resp: 62542
 Ion Ratio Lower Upper
 154 100
 153 120.6 20.9 60.9#
 76 36.6 0.0 30.5#





#46

2-Chloronaphthalene

Concen: 5.76 ng

RT: 9.41 min Scan# 641

Delta R.T. 0.17 min

Lab File: BF091904.D

Acq: 23 Dec 2016 4:39

Instrument :

BNA_F

ClientSampleId :

SB-52(0-1)-121916RE

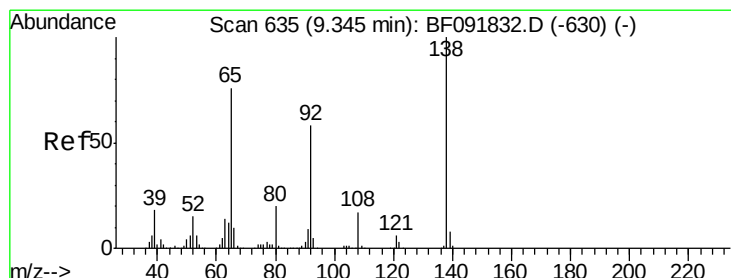
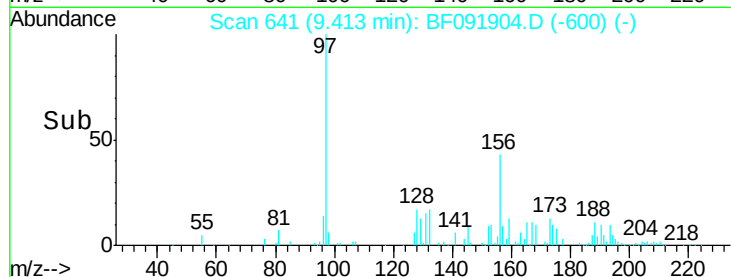
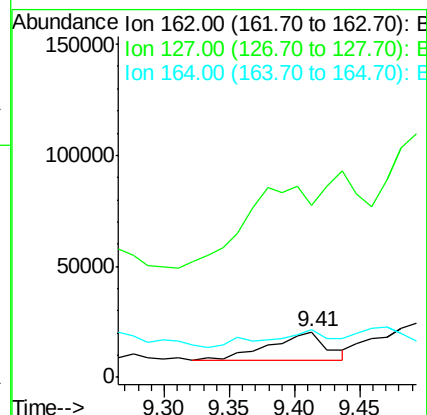
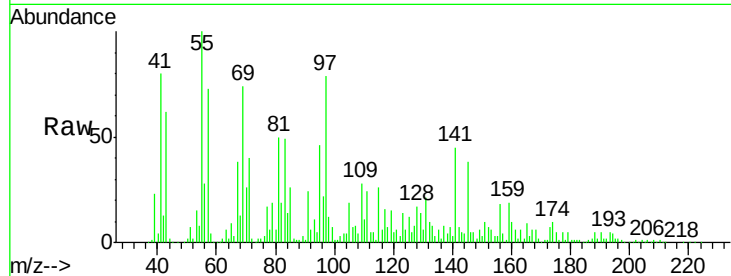
Tgt Ion: 162 Resp: 37707

Ion Ratio Lower Upper

162 100

127 381.0 30.7 46.1#

164 105.5 27.6 41.4#



#47

2-Nitroaniline

Concen: 20.18 ng

RT: 9.39 min Scan# 639

Delta R.T. 0.05 min

Lab File: BF091904.D

Acq: 23 Dec 2016 4:39

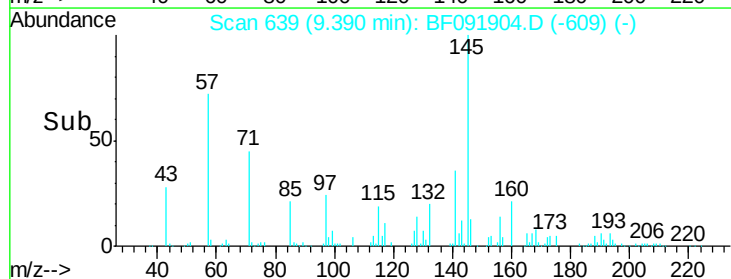
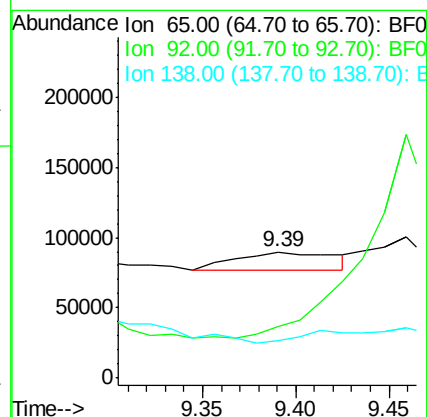
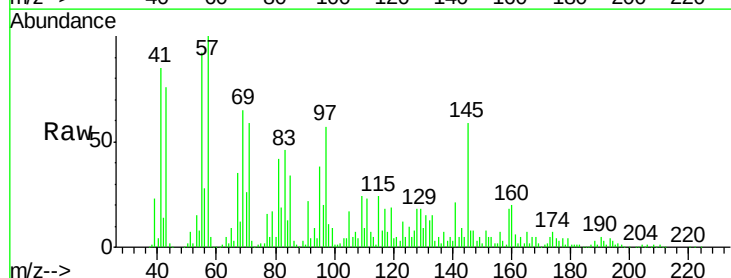
Tgt Ion: 65 Resp: 47072

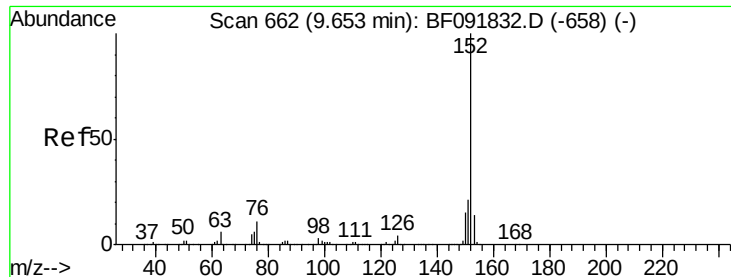
Ion Ratio Lower Upper

65 100

92 41.4 53.9 80.9#

138 30.2 76.8 115.2#





#48

Acenaphthylene

Concen: 8.12 ng

RT: 9.76 min Scan# 671

Delta R.T. 0.10 min

Lab File: BF091904.D

Acq: 23 Dec 2016 4:39

Instrument :

BNA_F

ClientSampleId :

SB-52(0-1)-121916RE

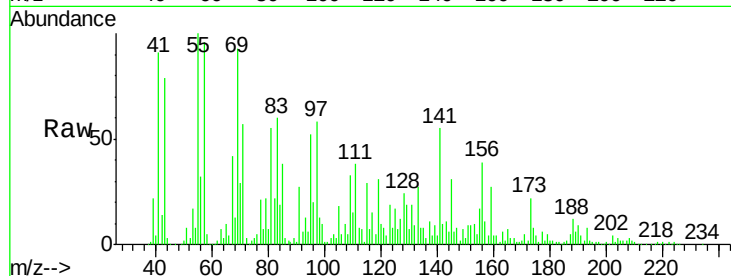
Tgt Ion:152 Resp: 81768

Ion Ratio Lower Upper

152 100

151 93.2 16.9 25.3#

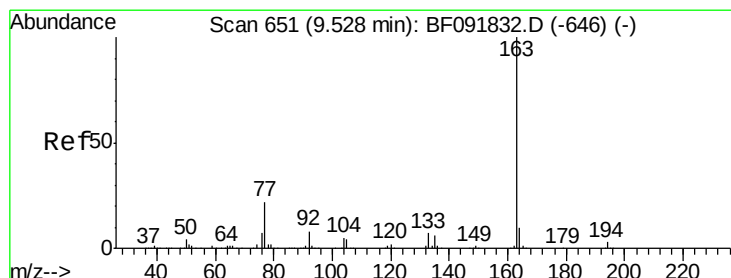
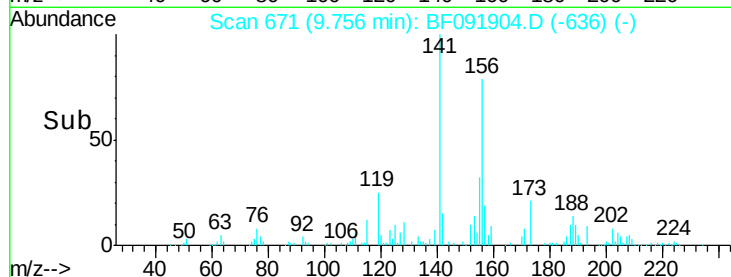
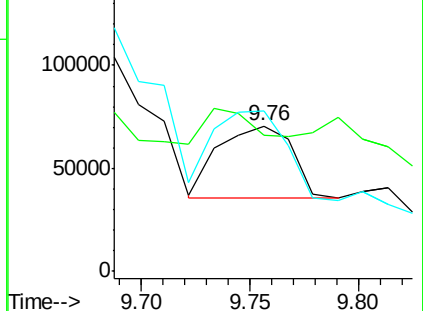
153 109.9 11.4 17.2#



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: 13.38 ng

RT: 9.60 min Scan# 657

Delta R.T. 0.07 min

Lab File: BF091904.D

Acq: 23 Dec 2016 4:39

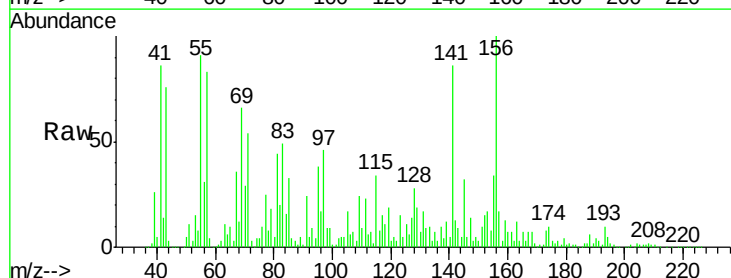
Tgt Ion:163 Resp: 103418

Ion Ratio Lower Upper

163 100

194 37.6 3.0 4.4#

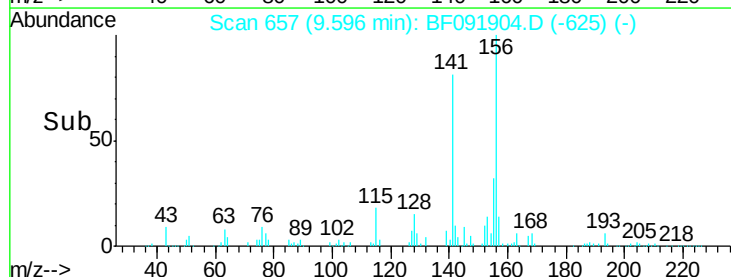
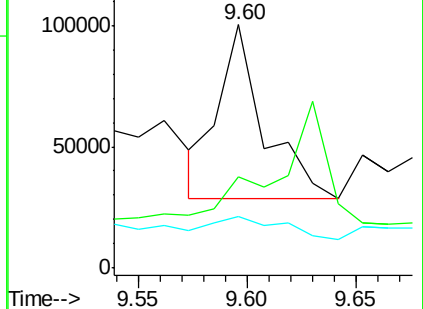
164 21.3 8.0 12.0#

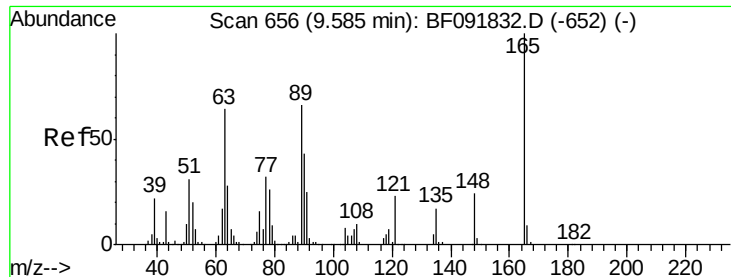


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

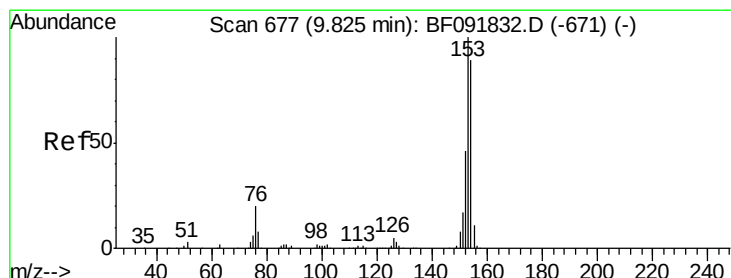
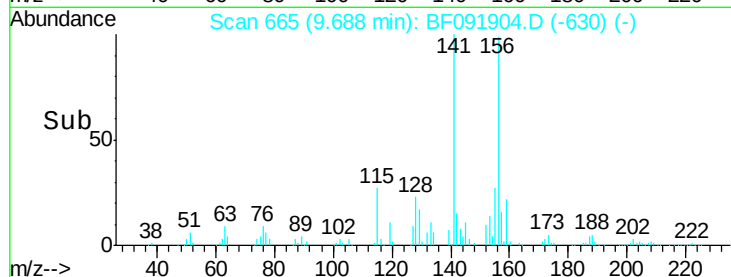
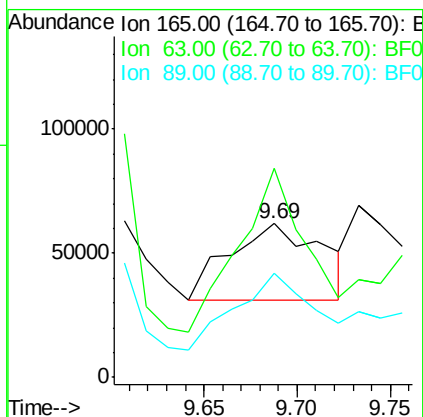
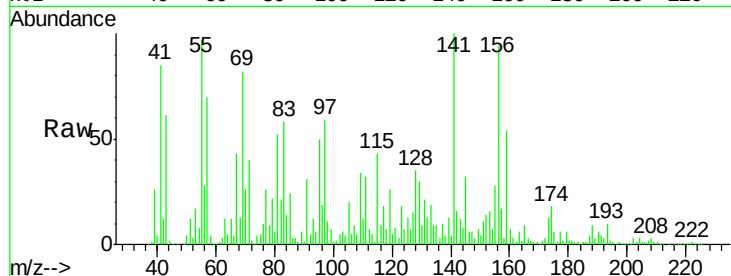




#50
2,6-Dinitrotoluene
Concen: 63.02 ng
RT: 9.69 min Scan# 665
Delta R.T. 0.10 min
Lab File: BF091904.D
Acq: 23 Dec 2016 4:39

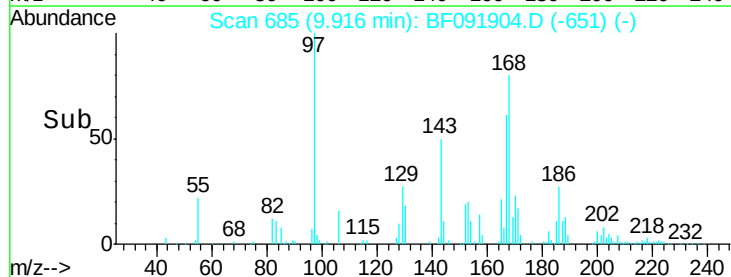
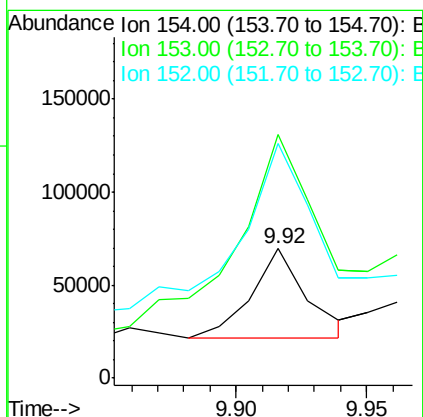
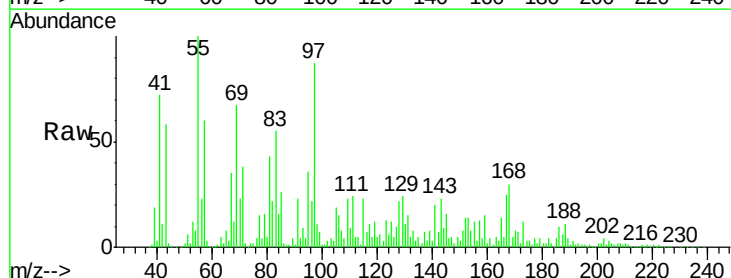
Instrument :
BNA_F
ClientSampleId :
SB-52(0-1)-121916RE

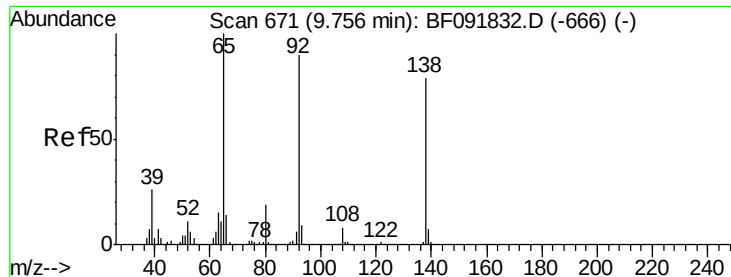
Tgt Ion:165 Resp: 106587
Ion Ratio Lower Upper
165 100
63 135.8 36.2 54.4#
89 67.9 40.2 60.4#



#51
Acenaphthene
Concen: 10.36 ng
RT: 9.92 min Scan# 685
Delta R.T. 0.09 min
Lab File: BF091904.D
Acq: 23 Dec 2016 4:39

Tgt Ion:154 Resp: 70775
Ion Ratio Lower Upper
154 100
153 188.1 88.6 133.0#
152 181.4 41.6 62.4#





#52

3-Nitroaniline

Concen: 32.48 ng

RT: 9.85 min Scan# 679

Delta R.T. 0.09 min

Lab File: BF091904.D

Acq: 23 Dec 2016 4:39

Instrument :

BNA_F

ClientSampleId :

SB-52(0-1)-121916RE

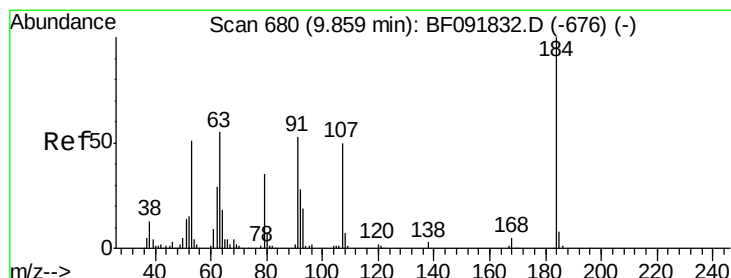
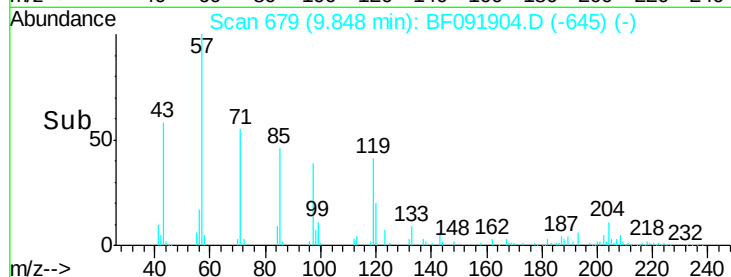
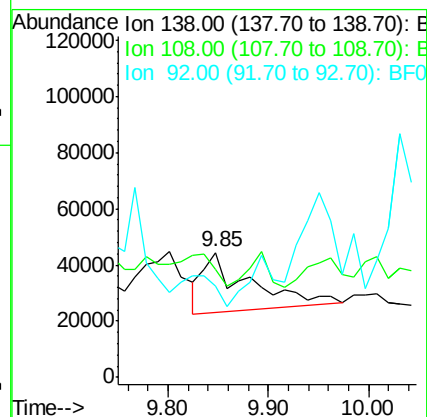
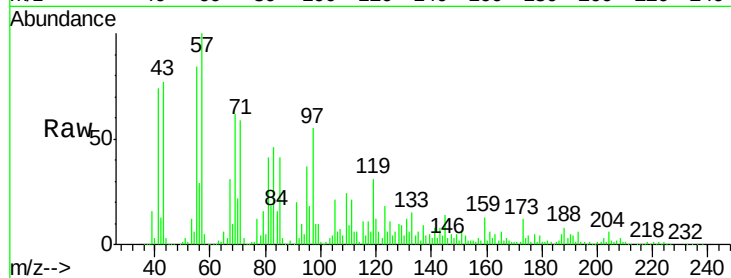
Tgt Ion:138 Resp: 67982

Ion Ratio Lower Upper

138 100

108 86.0 8.5 12.7#

92 72.7 97.8 146.8#



#53

2,4-Dinitrophenol

Concen: 7.52 ng

RT: 9.86 min Scan# 680

Delta R.T. -0.00 min

Lab File: BF091904.D

Acq: 23 Dec 2016 4:39

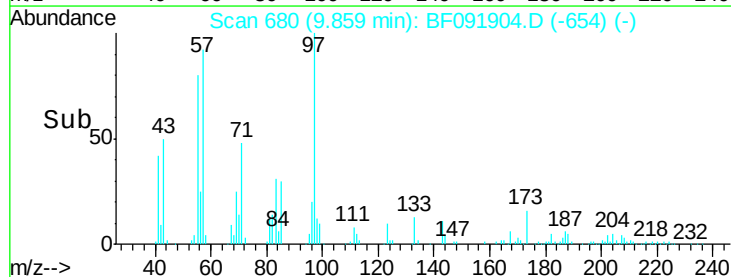
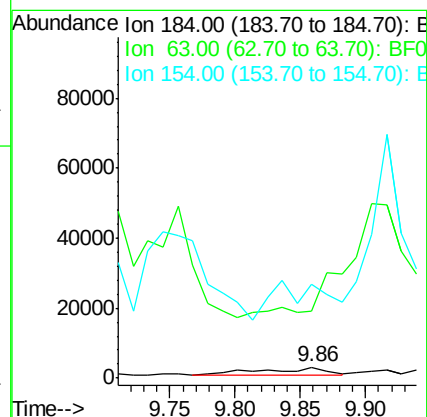
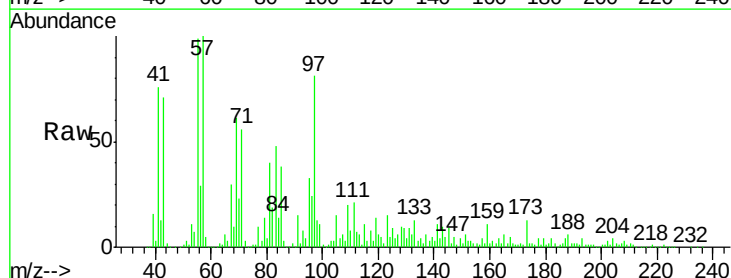
Tgt Ion:184 Resp: 7080

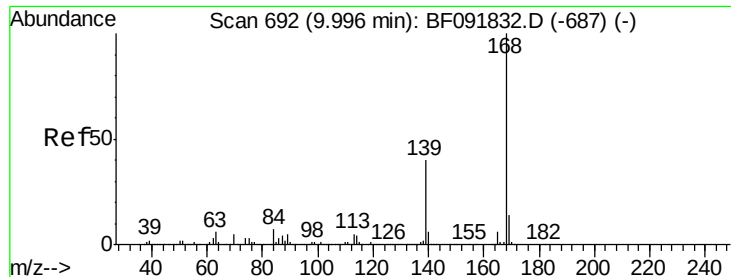
Ion Ratio Lower Upper

184 100

63 633.7 28.4 42.6#

154 884.3 44.3 66.5#

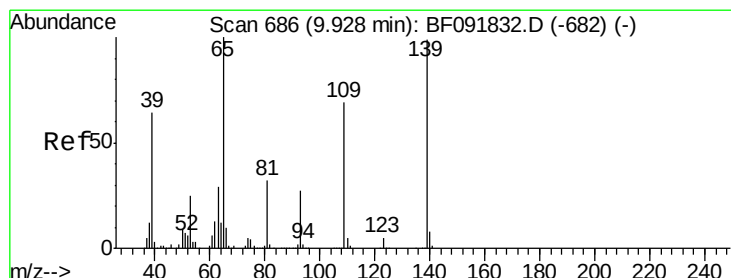
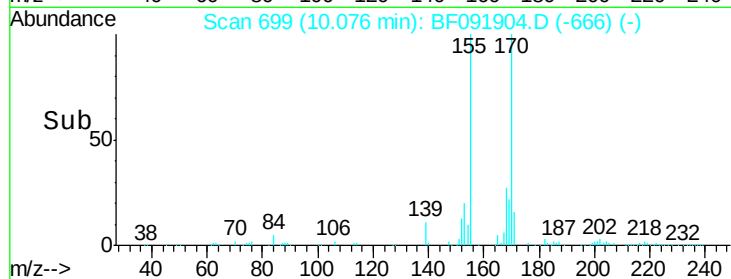
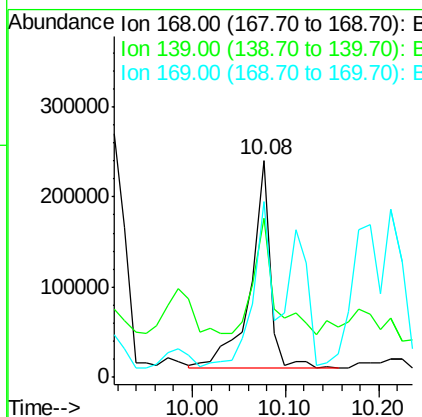
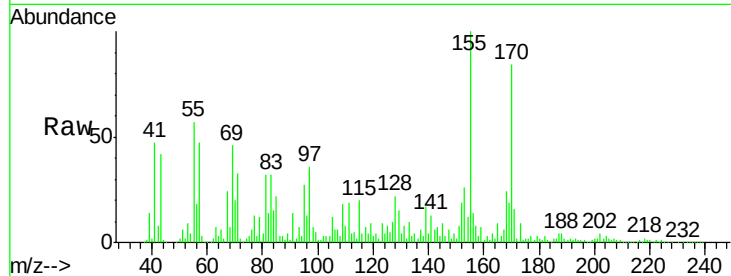




#54
Dibenzofuran
Concen: 37.06 ng
RT: 10.08 min Scan# 699
Delta R.T. 0.08 min
Lab File: BF091904.D
Acq: 23 Dec 2016 4:39

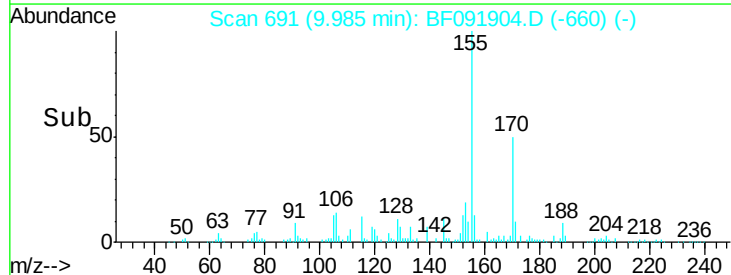
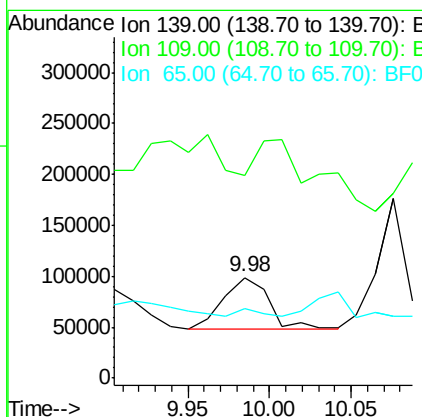
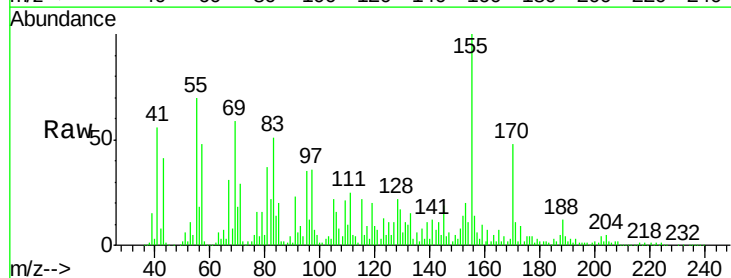
Instrument :
BNA_F
ClientSampleId :
SB-52(0-1)-121916RE

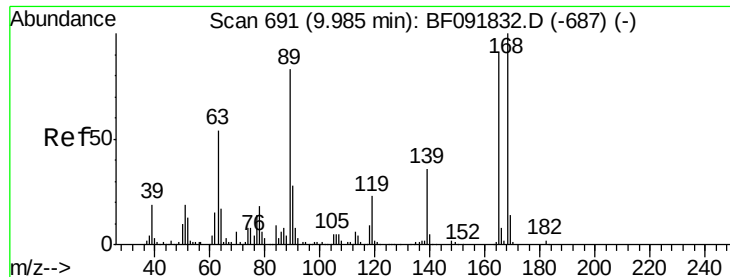
Tgt Ion:168 Resp: 341830
Ion Ratio Lower Upper
168 100
139 73.2 32.6 49.0#
169 80.9 11.3 16.9#



#55
4-Nitrophenol
Concen: 66.64 ng
RT: 9.98 min Scan# 691
Delta R.T. 0.06 min
Lab File: BF091904.D
Acq: 23 Dec 2016 4:39

Tgt Ion:139 Resp: 94705
Ion Ratio Lower Upper
139 100
109 201.5 52.2 92.2#
65 69.3 85.8 125.8#

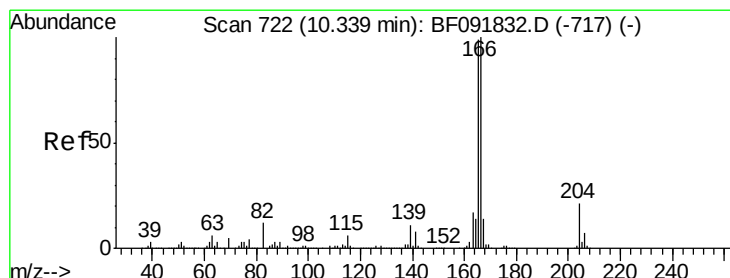
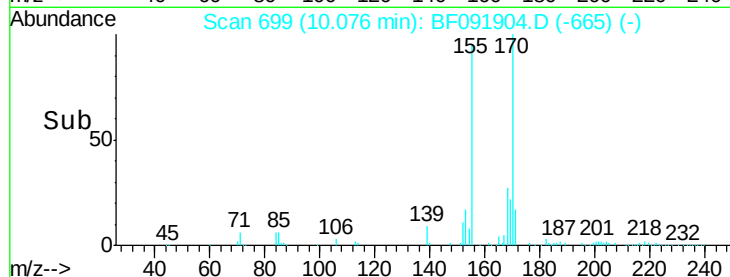
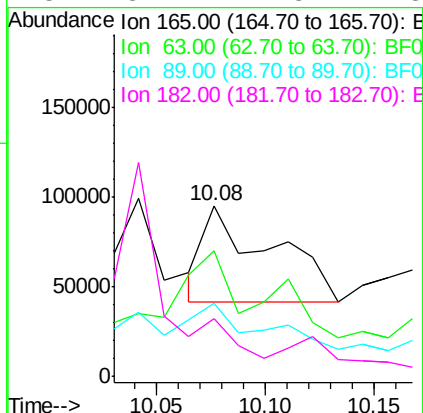
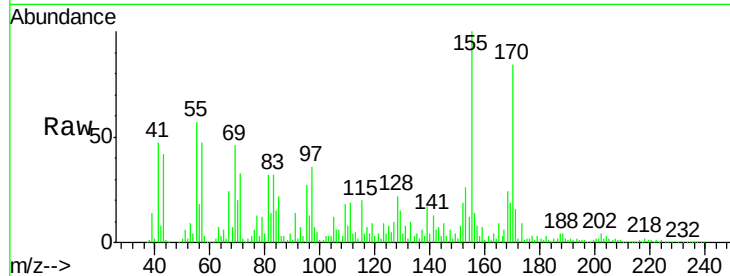




#56
2,4-Dinitrotoluene
Concen: 53.79 ng
RT: 10.08 min Scan# 699
Delta R.T. 0.09 min
Lab File: BF091904.D
Acq: 23 Dec 2016 4:39

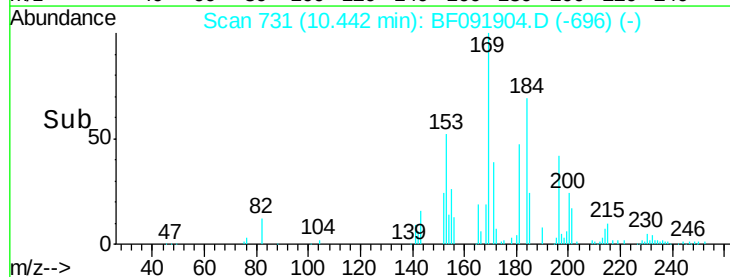
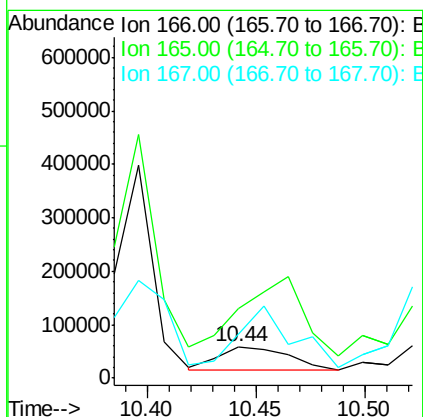
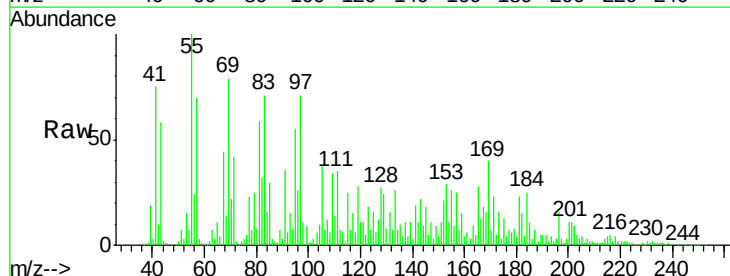
Instrument :
BNA_F
ClientSampleId :
SB-52(0-1)-121916RE

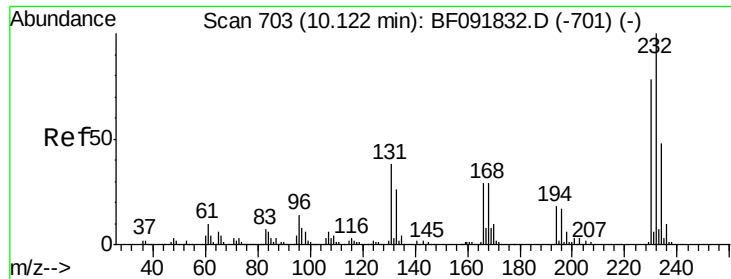
Tgt Ion:165 Resp: 114188
Ion Ratio Lower Upper
165 100
63 73.6 40.2 60.4#
89 42.6 62.5 93.7#
182 34.2 1.8 2.8#



#57
Fluorene
Concen: 14.02 ng
RT: 10.44 min Scan# 731
Delta R.T. 0.10 min
Lab File: BF091904.D
Acq: 23 Dec 2016 4:39

Tgt Ion:166 Resp: 94073
Ion Ratio Lower Upper
166 100
165 222.7 77.8 116.8#
167 138.7 10.8 16.2#





#58

2,3,4,6-Tetrachlorophenol

Concen: 6.81 ng

RT: 10.16 min Scan# 706

Delta R.T. 0.03 min

Lab File: BF091904.D

Acq: 23 Dec 2016 4:39

Instrument :

BNA_F

ClientSampleId :

SB-52(0-1)-121916RE

Tgt Ion:232 Resp: 11825

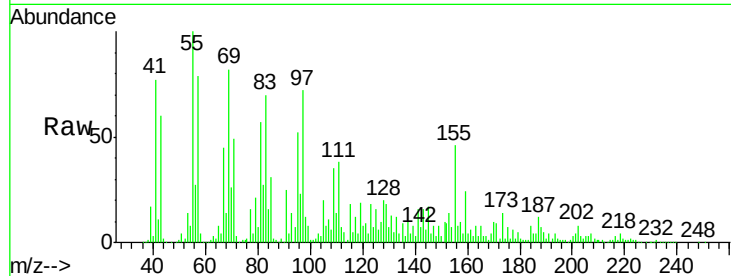
Ion Ratio Lower Upper

232 100

131 0.0 40.1 60.1#

130 221.7 1.8 2.8#

166 0.0 26.6 39.8#

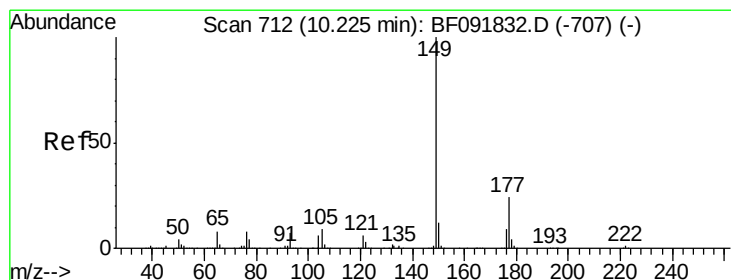
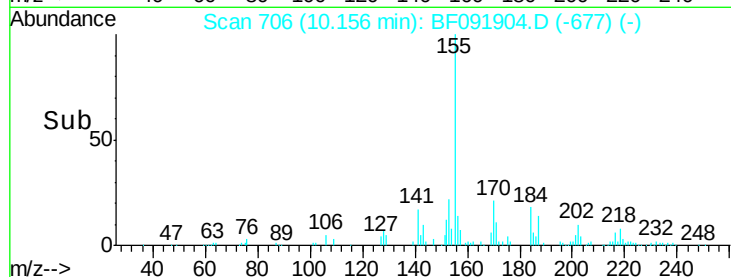
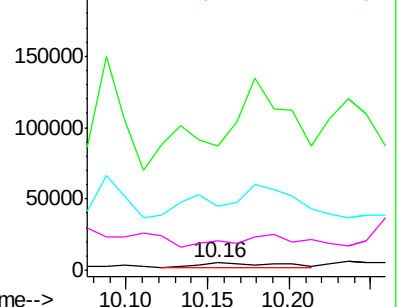


Abundance Ion 232.00 (231.70 to 232.70): E

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: 4.02 ng

RT: 10.29 min Scan# 718

Delta R.T. 0.07 min

Lab File: BF091904.D

Acq: 23 Dec 2016 4:39

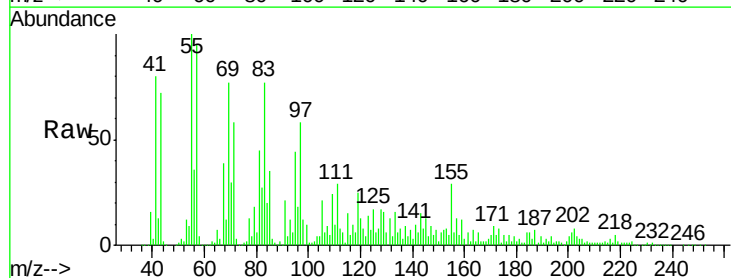
Tgt Ion:149 Resp: 30138

Ion Ratio Lower Upper

149 100

177 69.3 16.6 25.0#

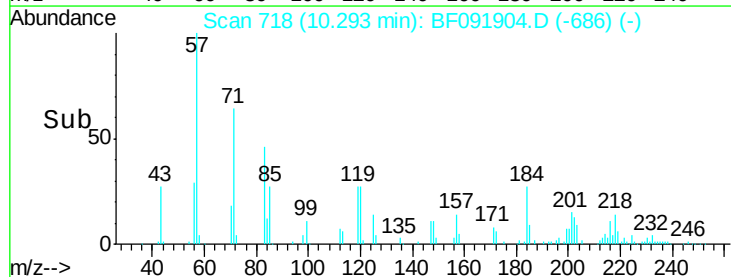
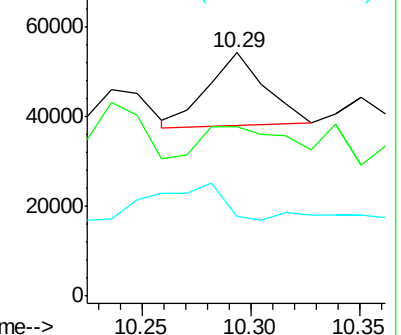
150 33.0 10.4 15.6#

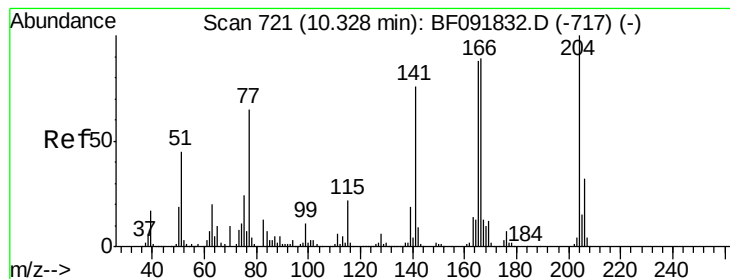


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





#60

4-Chlorophenyl-phenylether

Concen: 2.11 ng

RT: 10.41 min Scan# 728

Delta R.T. 0.08 min

Lab File: BF091904.D

Acq: 23 Dec 2016 4:39

Instrument :

BNA_F

ClientSampleId :

SB-52(0-1)-121916RE

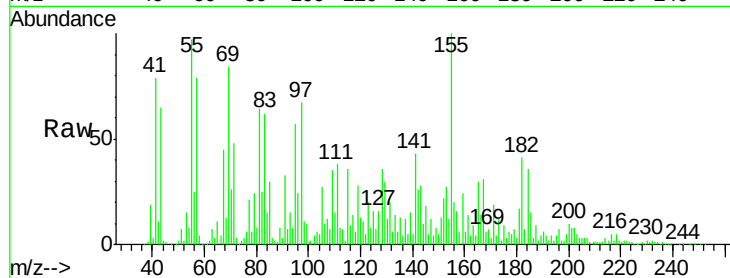
Tgt Ion:204 Resp: 6201

Ion Ratio Lower Upper

204 100

206 110.1 25.8 38.6#

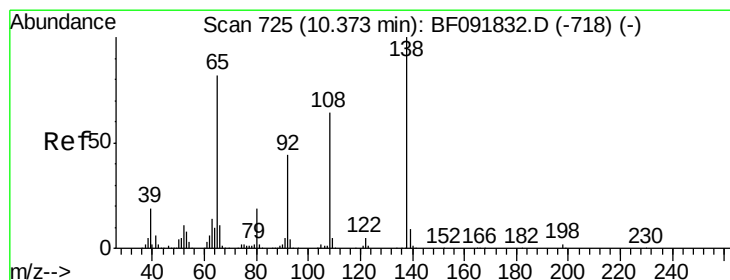
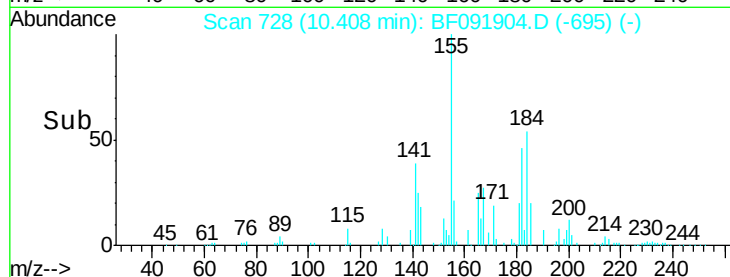
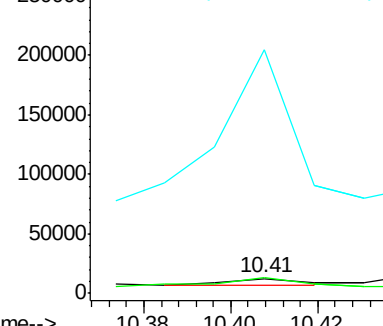
141 1649.6 59.4 89.0#



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: 10.44 ng

RT: 10.32 min Scan# 720

Delta R.T. -0.06 min

Lab File: BF091904.D

Acq: 23 Dec 2016 4:39

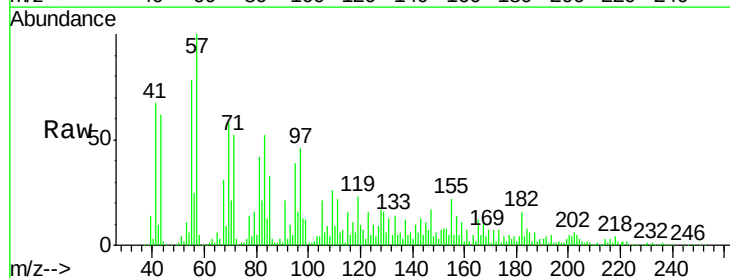
Tgt Ion:138 Resp: 22652

Ion Ratio Lower Upper

138 100

92 68.2 31.7 71.7

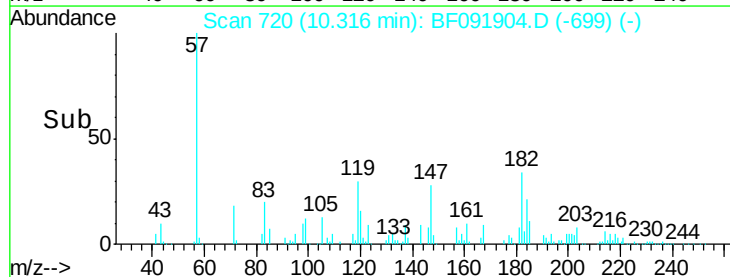
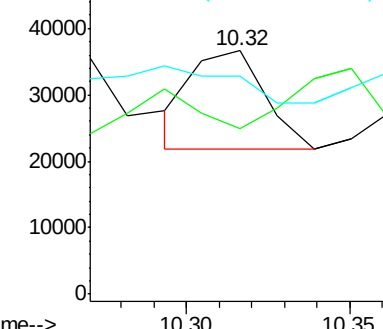
108 89.6 52.6 92.6

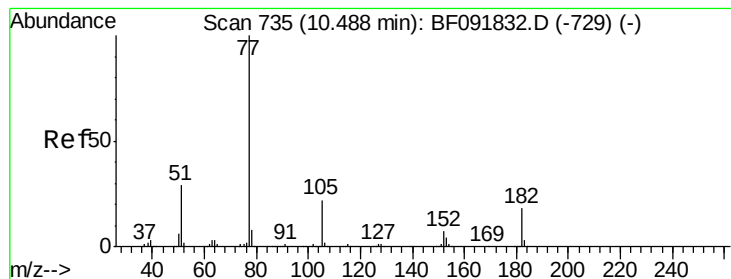


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF0

Ion 108.00 (107.70 to 108.70): E





#62

Azobenzene

Concen: 12.80 ng

RT: 10.52 min Scan# 738

Delta R.T. 0.03 min

Lab File: BF091904.D

Acq: 23 Dec 2016 4:39

Instrument :

BNA_F

ClientSampleId :

SB-52(0-1)-121916RE

Tgt Ion: 77 Resp: 105770

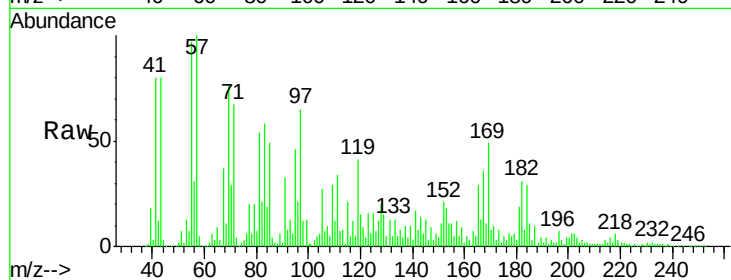
Ion Ratio Lower Upper

77 100

182 152.7 0.0 39.3#

105 131.3 2.3 42.3#

51 32.9 8.9 48.9

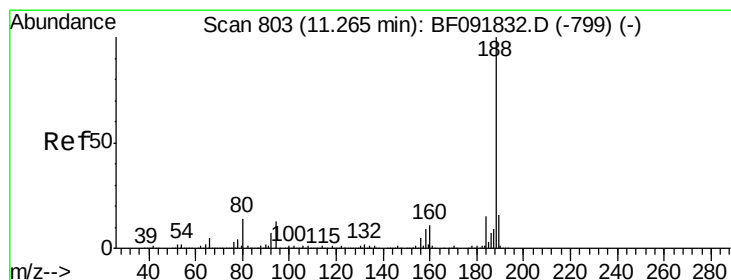
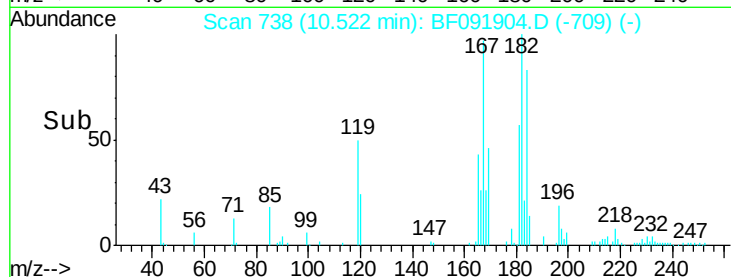
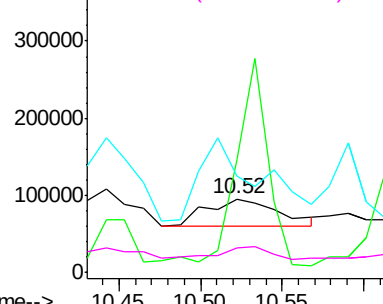


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 11.28 min Scan# 804

Delta R.T. 0.01 min

Lab File: BF091904.D

Acq: 23 Dec 2016 4:39

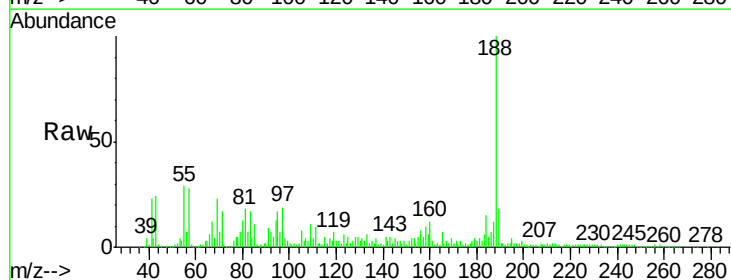
Tgt Ion: 188 Resp: 434772

Ion Ratio Lower Upper

188 100

94 12.6 10.0 15.0

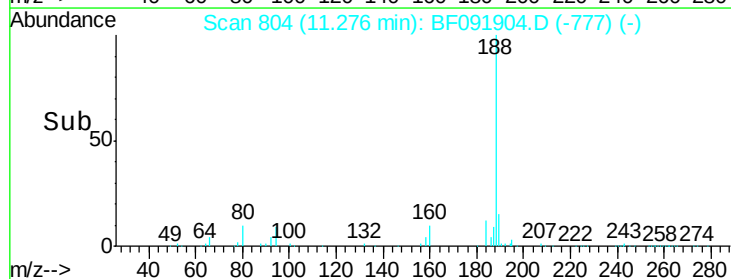
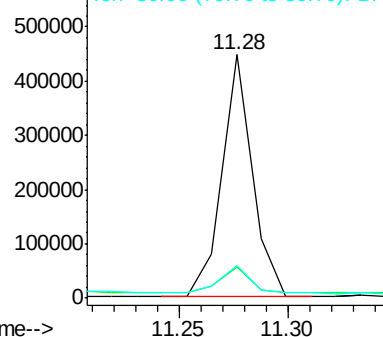
80 13.3 11.2 16.8

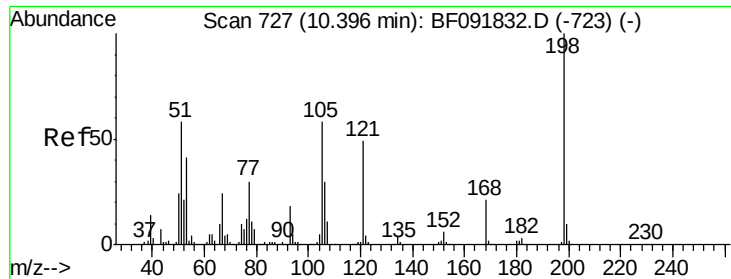


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.92 ng

RT: 10.41 min Scan# 728

Delta R.T. 0.01 min

Lab File: BF091904.D

Acq: 23 Dec 2016 4:39

Instrument :

BNA_F

ClientSampleId :

SB-52(0-1)-121916RE

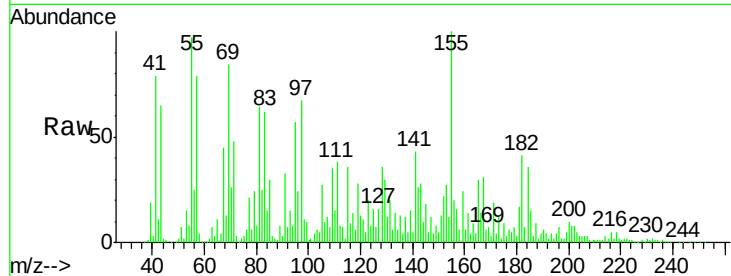
Tgt Ion:198 Resp: 20819

Ion Ratio Lower Upper

198 100

51 295.0 6.7 46.7#

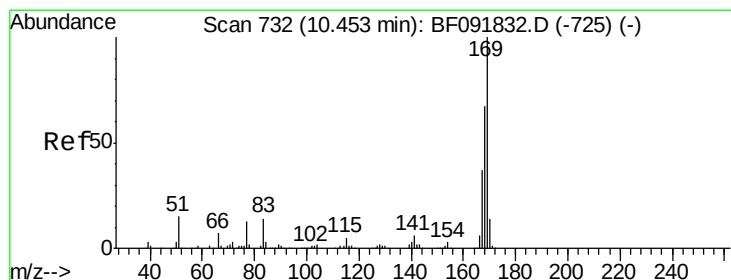
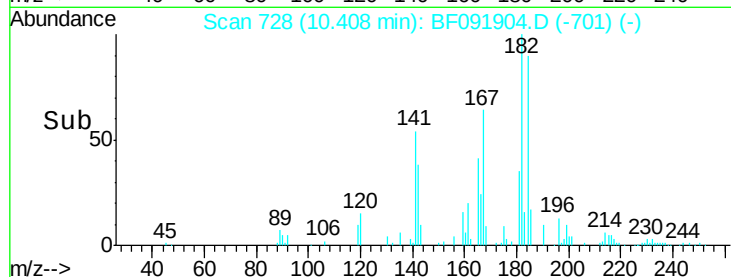
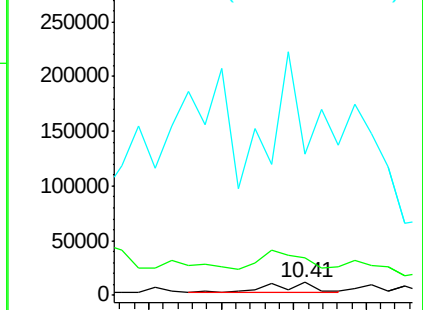
105 1097.3 16.6 56.6#



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: 22.28 ng

RT: 10.44 min Scan# 731

Delta R.T. -0.01 min

Lab File: BF091904.D

Acq: 23 Dec 2016 4:39

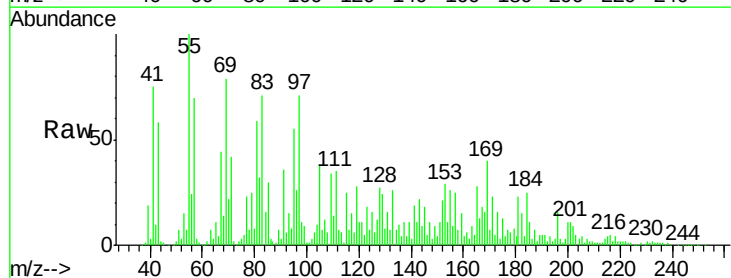
Tgt Ion:169 Resp: 287493

Ion Ratio Lower Upper

169 100

168 39.6 54.2 81.2#

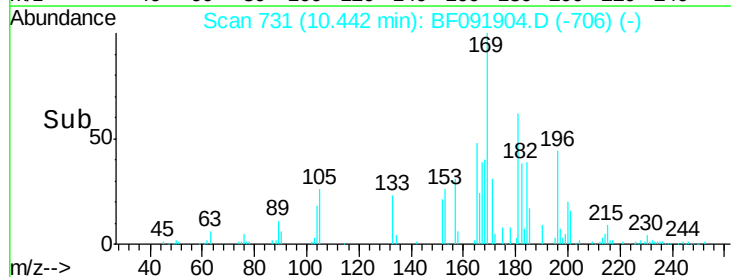
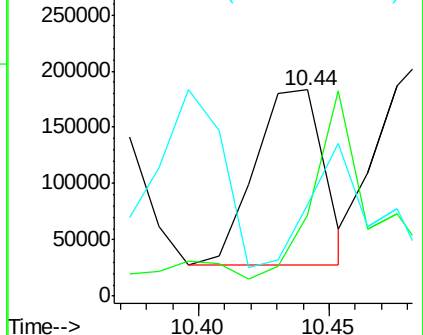
167 44.3 30.2 45.4

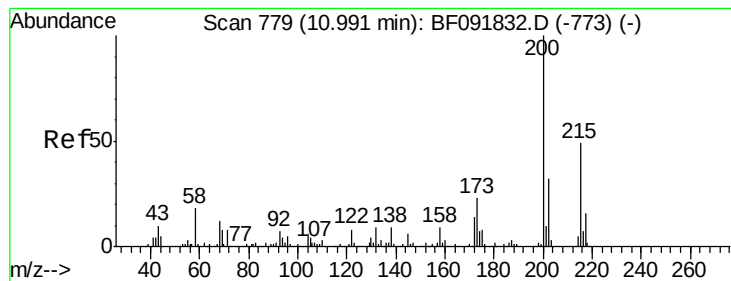


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#68

Atrazine

Concen: 5.05 ng

RT: 10.96 min Scan# 776

Delta R.T. -0.03 min

Lab File: BF091904.D

Acq: 23 Dec 2016 4:39

Instrument :

BNA_F

ClientSampleId :

SB-52(0-1)-121916RE

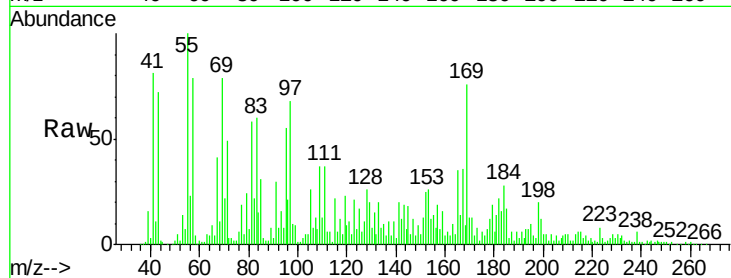
Tgt Ion:200 Resp: 21035

Ion Ratio Lower Upper

200 100

173 186.9 9.6 49.6#

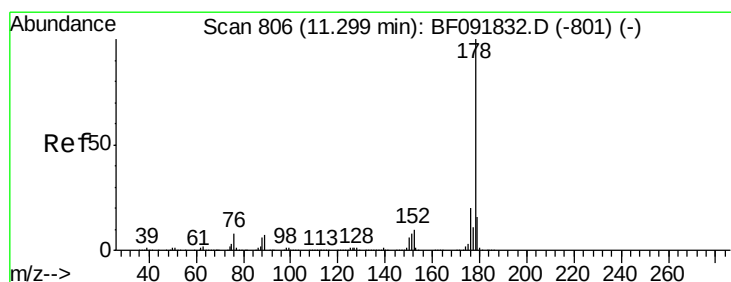
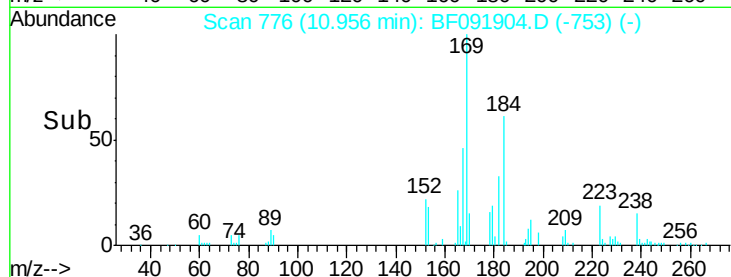
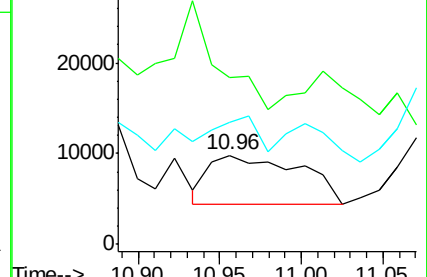
215 136.6 25.7 65.7#



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



#70

Phenanthrene

Concen: 19.12 ng

RT: 11.30 min Scan# 806

Delta R.T. -0.00 min

Lab File: BF091904.D

Acq: 23 Dec 2016 4:39

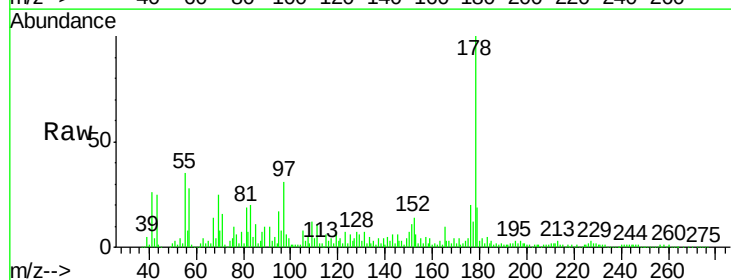
Tgt Ion:178 Resp: 450724

Ion Ratio Lower Upper

178 100

176 19.6 16.6 25.0

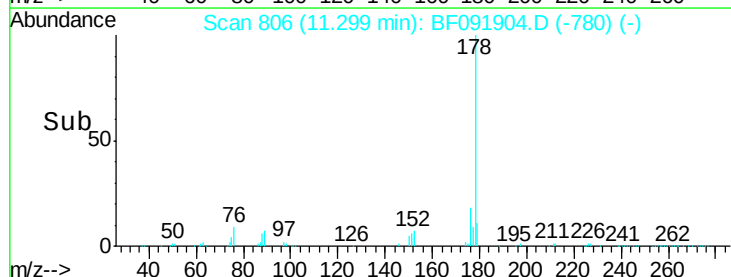
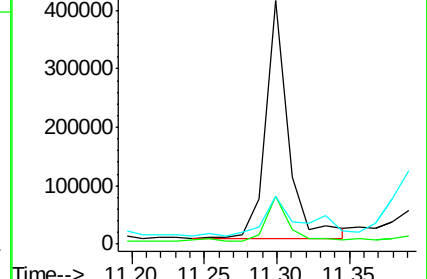
179 19.4 12.8 19.2#

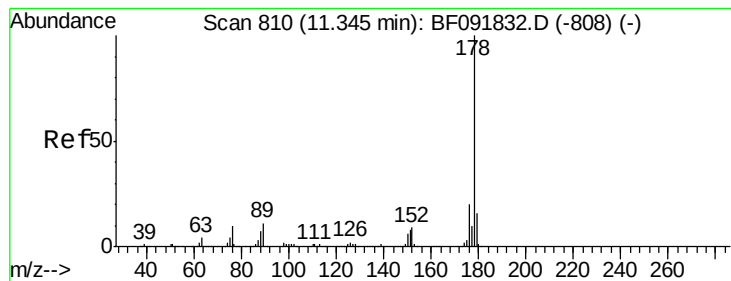


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 17.61 ng

RT: 11.30 min Scan# 806

Delta R.T. -0.04 min

Lab File: BF091904.D

Acq: 23 Dec 2016 4:39

Instrument :

BNA_F

ClientSampleId :

SB-52(0-1)-121916RE

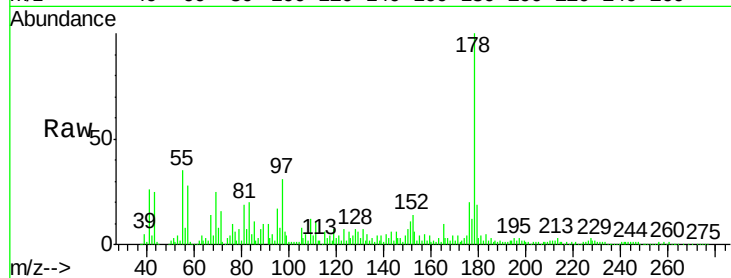
Tgt Ion:178 Resp: 450724

Ion Ratio Lower Upper

178 100

176 19.6 15.9 23.9

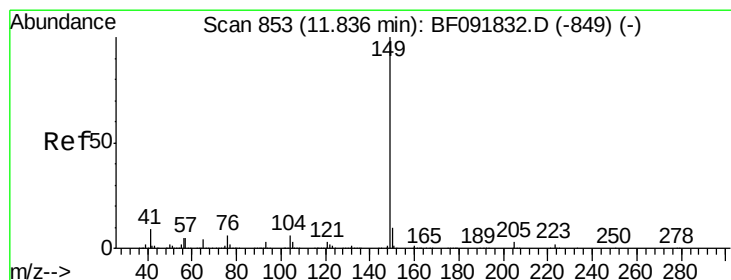
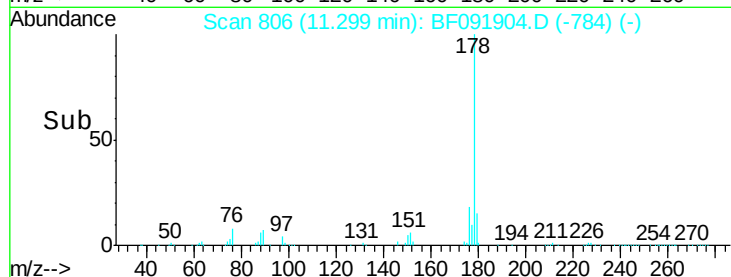
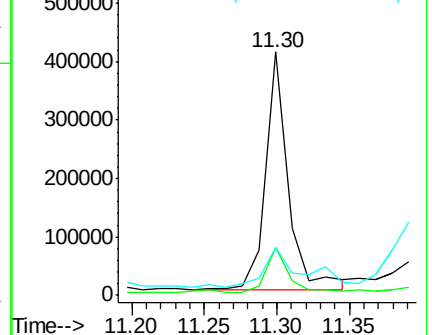
179 19.4 13.2 19.8



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



#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.85 min Scan# 854

Delta R.T. 0.01 min

Lab File: BF091904.D

Acq: 23 Dec 2016 4:39

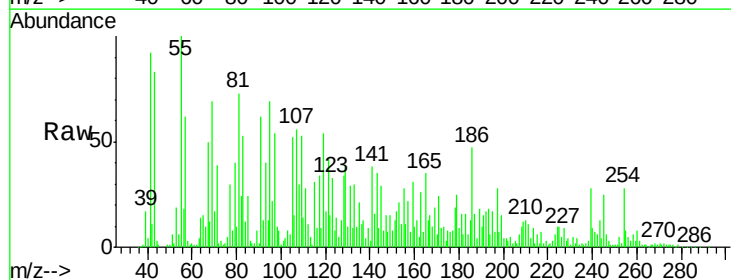
Tgt Ion:149 Resp: 28260

Ion Ratio Lower Upper

149 100

150 50.4 8.1 12.1#

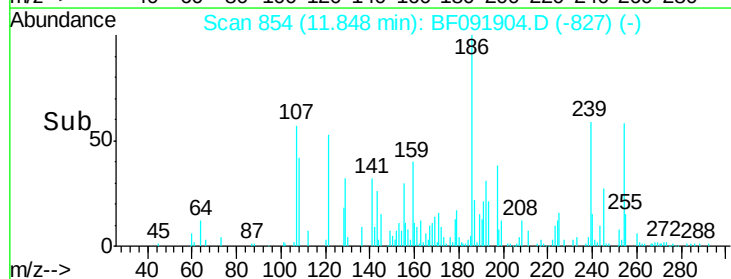
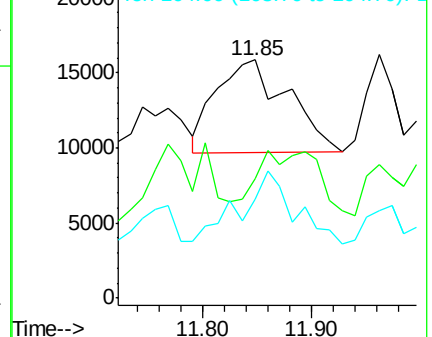
104 41.4 4.6 7.0#

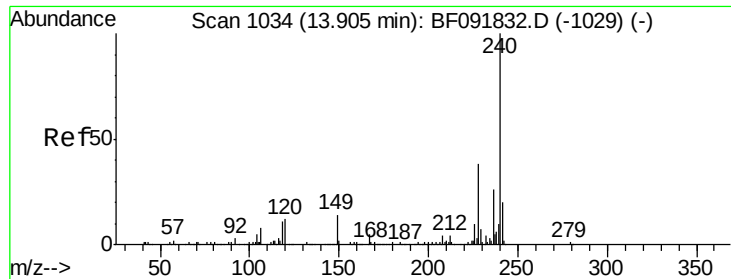


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.91 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BF091904.D

Acq: 23 Dec 2016 4:39

Instrument :

BNA_F

ClientSampleId :

SB-52(0-1)-121916RE

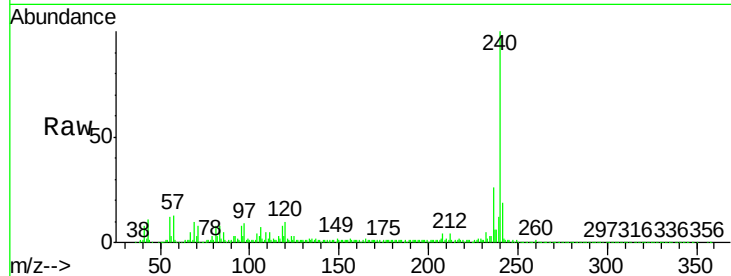
Tgt Ion:240 Resp: 387936

Ion Ratio Lower Upper

240 100

120 9.8 12.9 19.3#

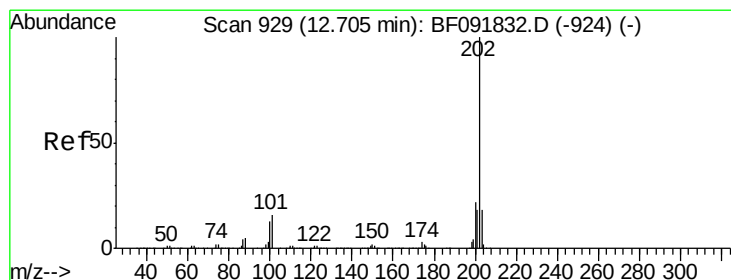
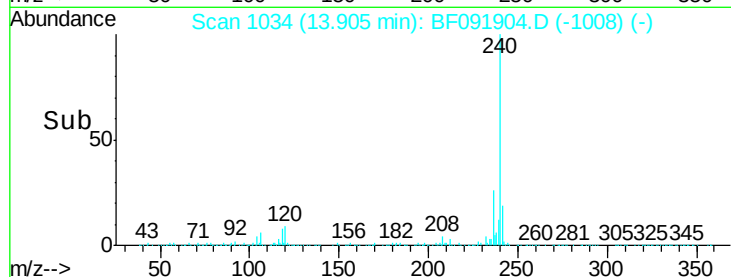
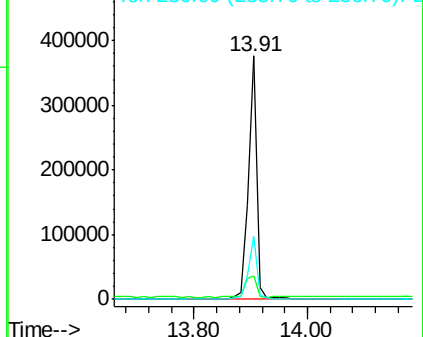
236 25.8 20.9 31.3



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



#77

Pyrene

Concen: 3.07 ng

RT: 12.71 min Scan# 929

Delta R.T. -0.00 min

Lab File: BF091904.D

Acq: 23 Dec 2016 4:39

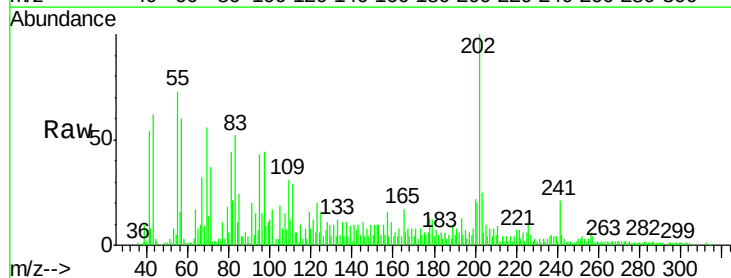
Tgt Ion:202 Resp: 87369

Ion Ratio Lower Upper

202 100

200 21.7 17.7 26.5

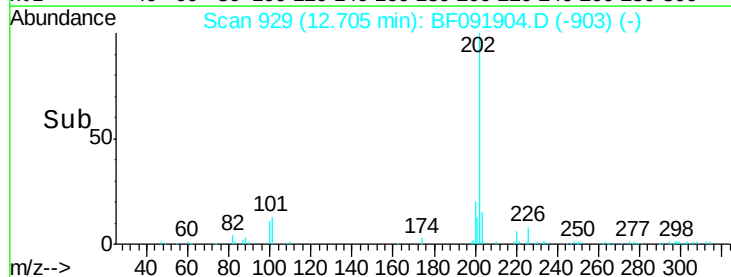
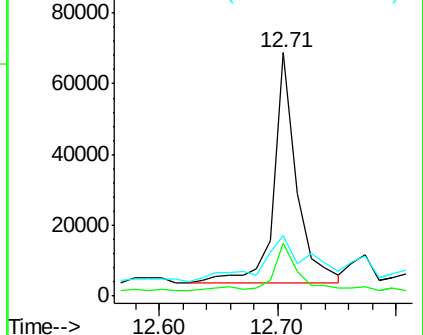
203 25.0 14.7 22.1#

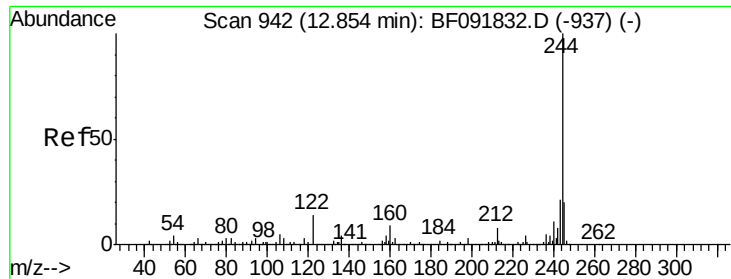


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 91.46 ng

RT: 12.85 min Scan# 942

Delta R.T. -0.00 min

Lab File: BF091904.D

Acq: 23 Dec 2016 4:39

Instrument :

BNA_F

ClientSampleId :

SB-52(0-1)-121916RE

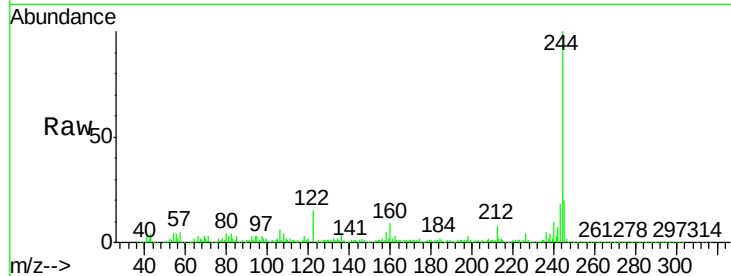
Tgt Ion:244 Resp: 1462898

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

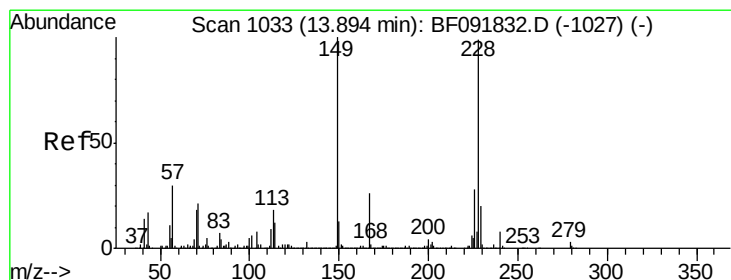
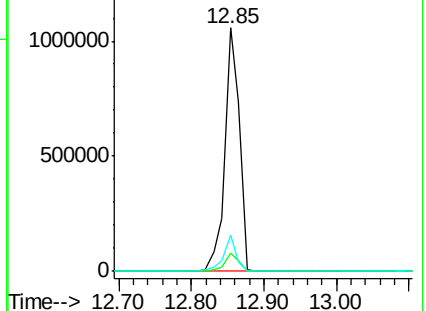
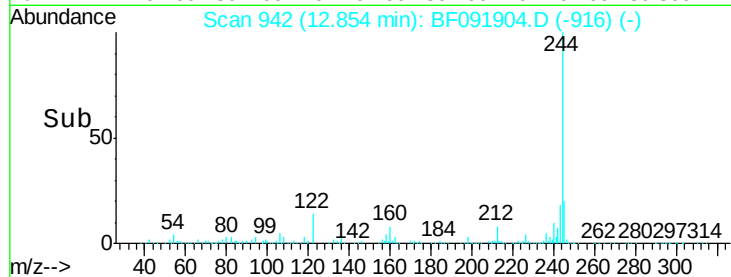
122 14.8 11.4 17.2



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



#80

Benzo(a)anthracene

Concen: 2.81 ng

RT: 13.89 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BF091904.D

Acq: 23 Dec 2016 4:39

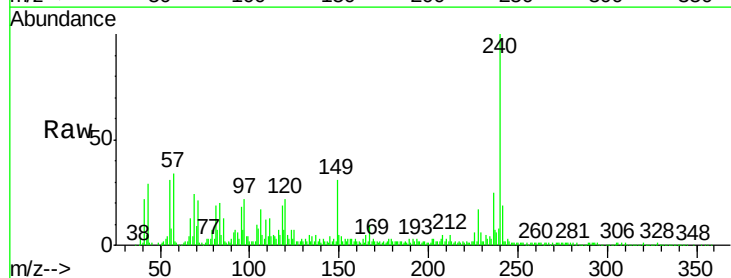
Tgt Ion:228 Resp: 61449

Ion Ratio Lower Upper

228 100

226 32.0 22.4 33.6

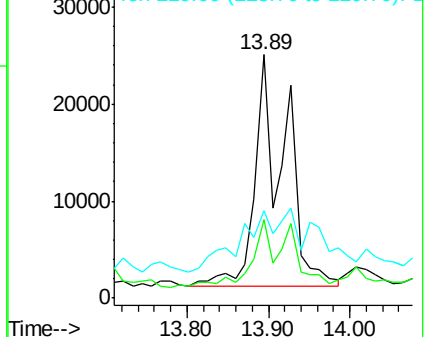
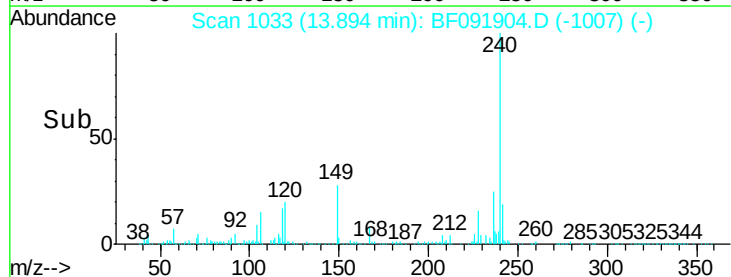
229 35.7 16.2 24.4#

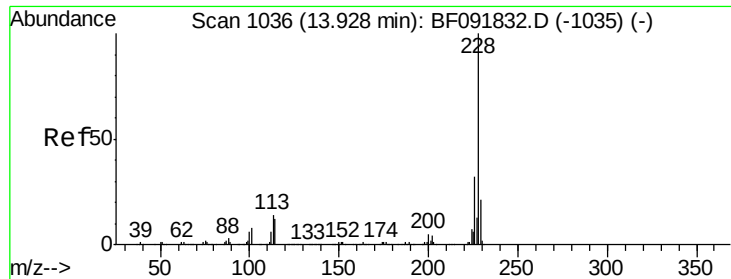


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.80 ng

RT: 13.89 min Scan# 1033

Delta R.T. -0.03 min

Lab File: BF091904.D

Acq: 23 Dec 2016 4:39

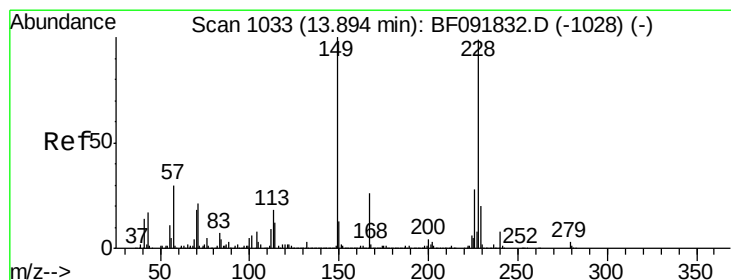
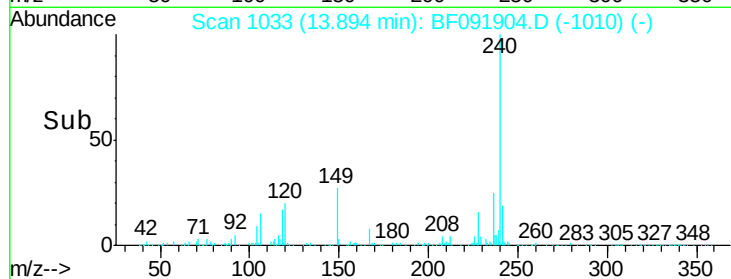
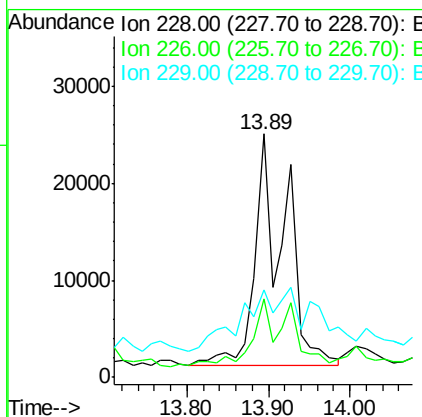
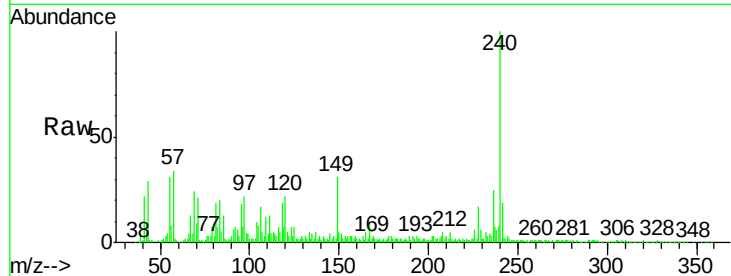
Instrument :

BNA_F

ClientSampleId :

SB-52(0-1)-121916RE

Tgt Ion:	228	Resp:	61449
Ion	Ratio	Lower	Upper
228	100		
226	32.0	25.4	38.0
229	35.7	16.2	24.2#



#83

Bis(2-ethylhexyl)phthalate

Concen: 4.50 ng

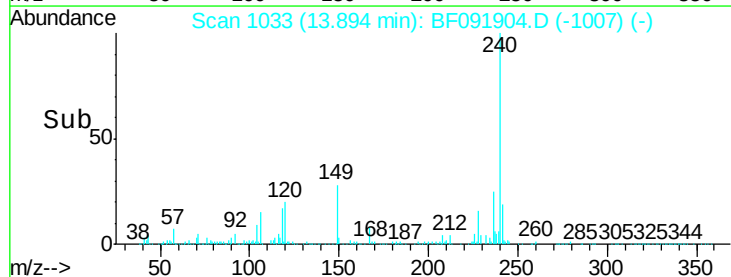
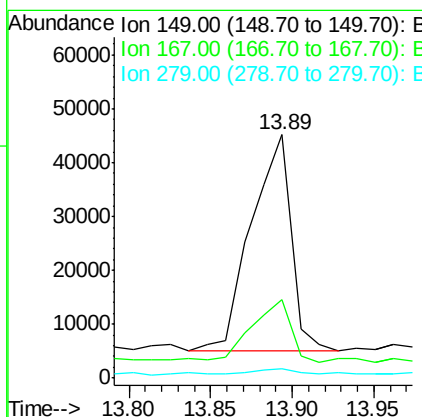
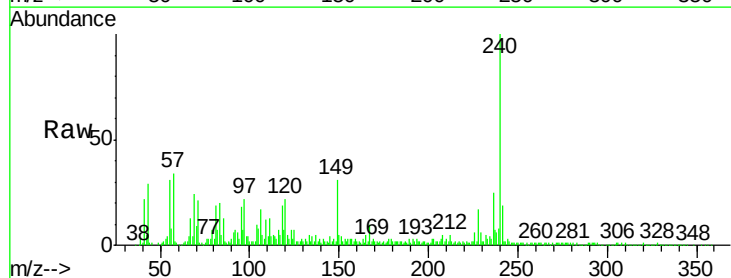
RT: 13.89 min Scan# 1033

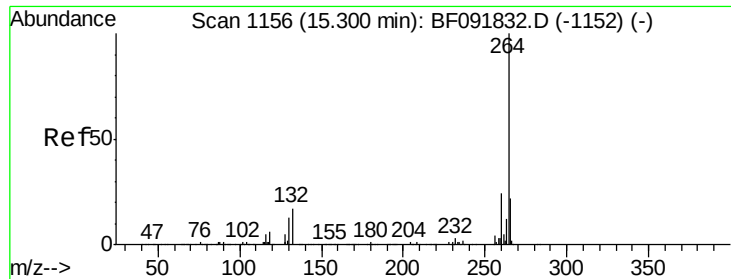
Delta R.T. -0.00 min

Lab File: BF091904.D

Acq: 23 Dec 2016 4:39

Tgt Ion:	149	Resp:	68570
Ion	Ratio	Lower	Upper
149	100		
167	32.4	20.2	30.4#
279	4.1	1.8	2.8#





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 1156
Delta R.T. -0.00 min
Lab File: BF091904.D
Acq: 23 Dec 2016 4:39

Instrument :
BNA_F
ClientSampleId :
SB-52(0-1)-121916RE

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	22.1	17.4	26.0

