

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121616\
 Data File : BF091692.D
 Acq On : 17 Dec 2016 00:13
 Operator : UM/SJ
 Sample : H6125-01
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-49(11-13)-12-14-16

Quant Time: Dec 17 04:04:34 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF120916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 16 00:35:41 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.78	152	216037	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	546343	20.00	ng	0.01
38) Acenaphthene-d10	9.85	164	273316	20.00	ng	0.02
63) Phenanthrene-d10	11.30	188	436613	20.00	ng	-0.01
75) Chrysene-d12	13.93	240	485219	20.00	ng	-0.01
86) Perylene-d12	15.33	264	450545	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.39	112	1449595	113.05	ng	0.01
7) Phenol-d6	6.43	99	2644096	165.40	ng	0.00
23) Nitrobenzene-d5	7.36	82	1423360	145.41	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	413281	182.05	ng	0.01
44) 2-Fluorobiphenyl	9.17	172	1561970	98.75	ng	0.02
78) Terphenyl-d14	12.89	244	1058111	49.48	ng	-0.01

Target Compounds

						Qvalue
9) Benzaldehyde	6.32	77	53495	4.86	ng	# 20
10) Phenol	6.44	94	149897	8.02	ng	# 89
15) Benzyl Alcohol	6.94	79	84059	6.66	ng	# 42
18) Hexachloroethane	7.37	117	1372435	227.15	ng	# 13
19) n-Nitroso-di-n-propylamine	7.23	70	229930	23.00	ng	# 54
20) 3+4-Methylphenols	7.21	107	24658	Below Cal		# 1
22) Acetophenone	7.20	105	76489	5.84	ng	# 1
24) Nitrobenzene	7.34	77	435715	42.13	ng	# 50
25) Isophorone	7.62	82	897947	51.60	ng	# 1
26) 2-Nitrophenol	7.65	139	28343	6.21	ng	# 1
27) 2,4-Dimethylphenol	7.74	122	114754	14.31	ng	# 1
28) bis(2-Chloroethoxy)methane	7.84	93	46141	4.52	ng	# 1
29) 2,4-Dichlorophenol	7.94	162	74062	10.62	ng	# 1
30) 1,2,4-Trichlorobenzene	8.00	180	40072	5.05	ng	# 53
31) Naphthalene	8.11	128	2183281	85.89	ng	# 94
32) Benzoic acid	7.89	122	77956	17.06	ng	# 1
33) 4-Chloroaniline	8.11	127	485080	44.29	ng	# 44
35) Caprolactam	8.54	113	690020	338.73	ng	# 76
36) 4-Chloro-3-methylphenol	8.64	107	107673	13.76	ng	# 29
37) 2-Methylnaphthalene	8.82	142	3336272	202.78	ng	# 95
42) 2,4,6-Trichlorophenol	9.09	196	47222	9.80	ng	# 12
43) 2,4,5-Trichlorophenol	9.09	196	47222	9.54	ng	# 1
46) 2-Chloronaphthalene	9.34	162	31850	2.08	ng	# 1
47) 2-Nitroaniline	9.40	65	31028	6.02	ng	# 1
48) Acenaphthylene	9.71	152	103441	4.43	ng	# 1
49) Dimethylphthalate	9.56	163	300248	17.35	ng	# 80
50) 2,6-Dinitrotoluene	9.65	165	85798	22.59	ng	# 73
51) Acenaphthene	9.87	154	217383	13.39	ng	# 88
52) 3-Nitroaniline	9.80	138	42931	9.62	ng	# 39
53) 2,4-Dinitrophenol	9.89	184	1740	3.27	ng	# 1
54) Dibenzofuran	10.04	168	242817	12.09	ng	# 48
55) 4-Nitrophenol	9.95	139	96132	28.96	ng	# 22
56) 2,4-Dinitrotoluene	10.04	165	60050	12.61	ng	# 54
57) Fluorene	10.38	166	399439	25.70	ng	# 92

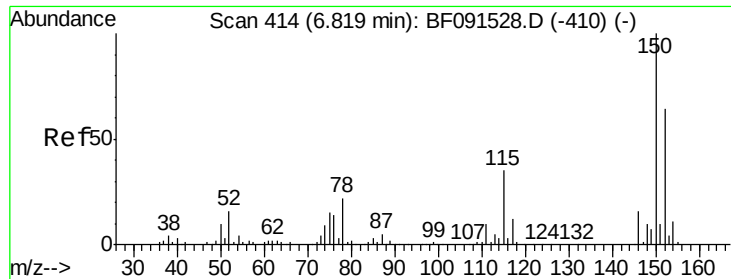
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF121616\
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 Operator : UM/SJ
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 16 00:35:41 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
62) Azobenzene	10.53	77	68434	3.62	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.44	198	3037	4.02	ng	# 1
65) n-Nitrosodiphenylamine	10.49	169	333889	25.65	ng	# 51
68) Atrazine	11.00	200	14827	3.54	ng	# 1
70) Phenanthrene	11.33	178	1881457	87.02	ng	99
71) Anthracene	11.38	178	357616	15.33	ng	99
72) Carbazole	11.53	167	96957	4.74	ng	# 87
74) Fluoranthene	12.52	202	1172492	51.79	ng	96
77) Pyrene	12.74	202	1102633	28.64	ng	99
80) Benzo(a)anthracene	13.92	228	940853	33.39	ng	98
82) Chrysene	13.95	228	619584	21.02	ng	97
85) Indeno(1,2,3-cd)pyrene	16.67	276	282225	10.64	ng	95
87) Benzo(b)fluoranthene	14.93	252	1065424	39.67	ng	99
88) Benzo(k)fluoranthene	14.93	252	1065424	45.12	ng	99
89) Benzo(a)pyrene	15.22	252	405960	16.78	ng	94
90) Dibenzo(a,h)anthracene	16.68	278	71231	3.29	ng	94
91) Benzo(g,h,i)perylene	17.07	276	266382	12.08	ng	# 93

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.78 min Scan# 411

Delta R.T. -0.00 min

Lab File: BF091692.D

Acq: 17 Dec 2016 00:13

Instrument :

BNA_F

ClientSampleId :

SB-49(11-13)-12-14-16

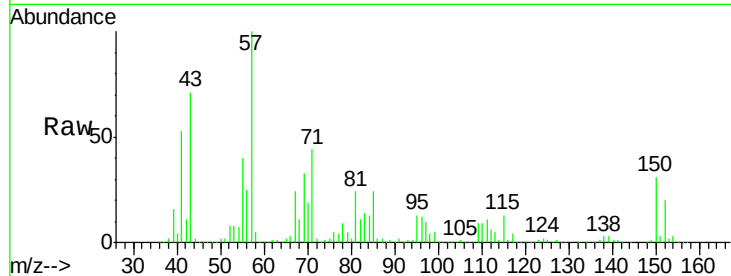
Tgt Ion:152 Resp: 216037

Ion Ratio Lower Upper

152 100

150 157.6 122.5 183.7

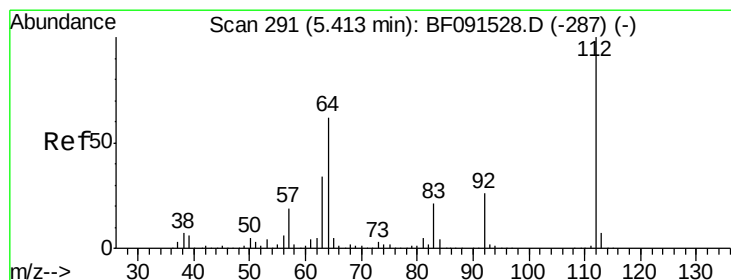
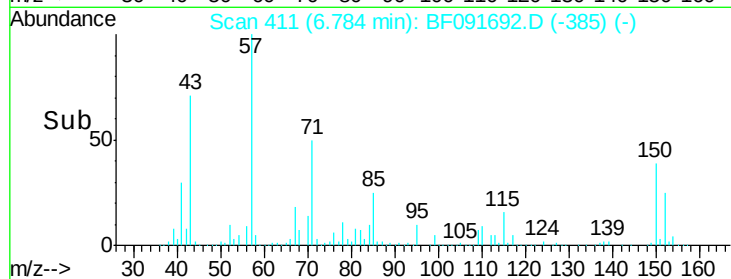
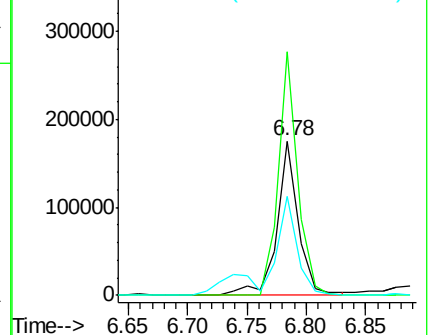
115 64.3 51.8 77.8



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



#5

2-Fluorophenol

Concen: 113.05 ng

RT: 5.39 min Scan# 289

Delta R.T. 0.01 min

Lab File: BF091692.D

Acq: 17 Dec 2016 00:13

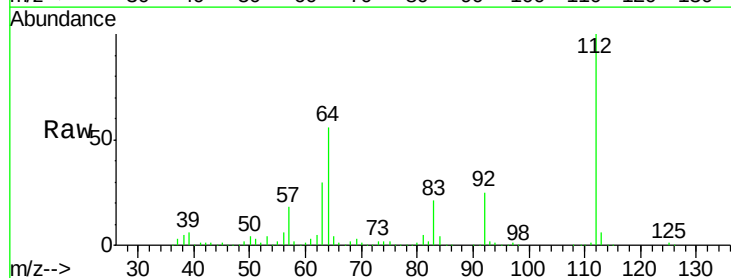
Tgt Ion:112 Resp: 1449595

Ion Ratio Lower Upper

112 100

64 55.5 61.5 92.3#

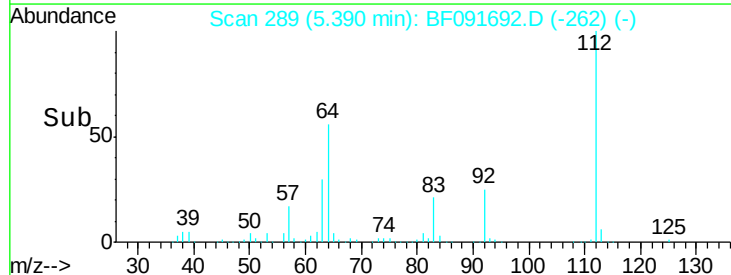
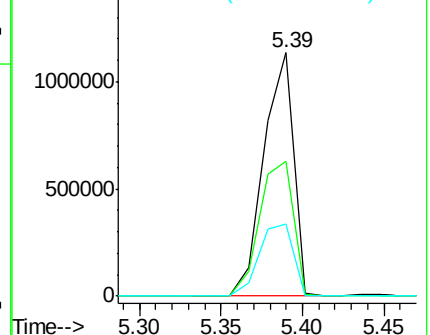
63 29.8 33.3 49.9#

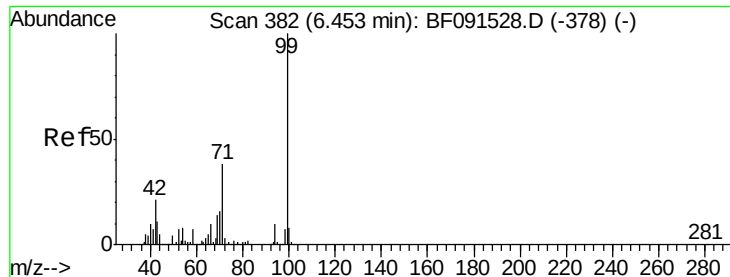


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 165.40 ng

RT: 6.43 min Scan# 380

Delta R.T. -0.00 min

Lab File: BF091692.D

Acq: 17 Dec 2016 00:13

Instrument :

BNA_F

ClientSampleId :

SB-49(11-13)-12-14-16

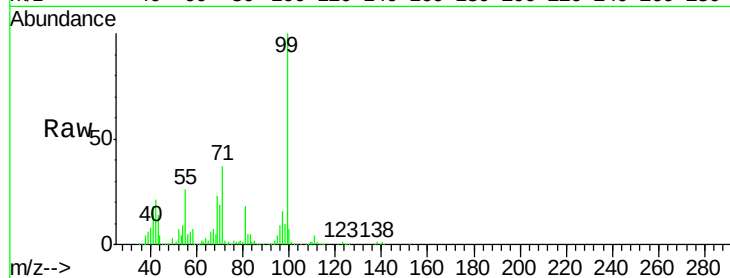
Tgt Ion: 99 Resp: 2644096

Ion Ratio Lower Upper

99 100

42 20.5 20.6 31.0#

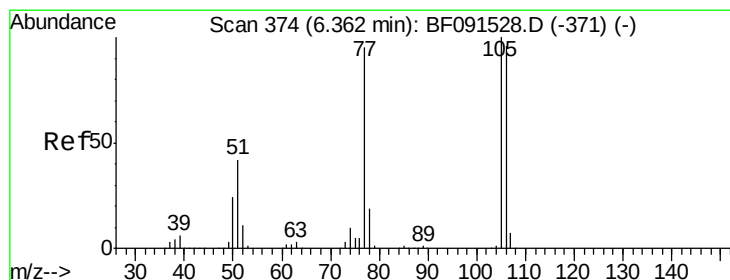
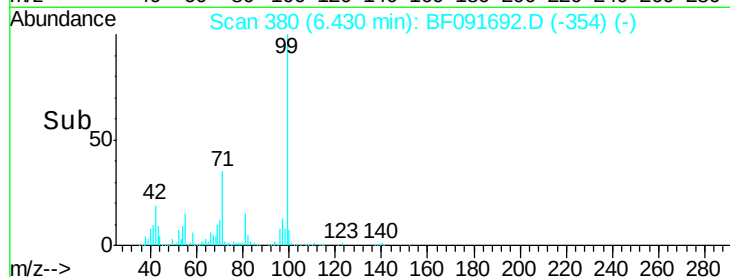
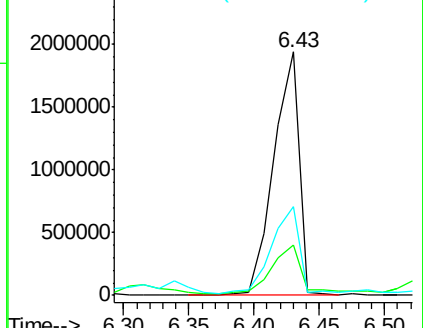
71 36.6 29.9 44.9



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



#9

Benzaldehyde

Concen: 4.86 ng

RT: 6.32 min Scan# 370

Delta R.T. -0.01 min

Lab File: BF091692.D

Acq: 17 Dec 2016 00:13

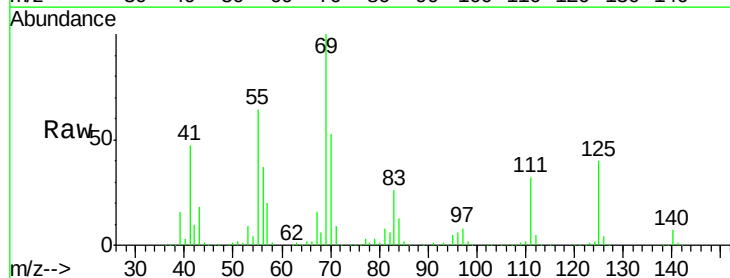
Tgt Ion: 77 Resp: 53495

Ion Ratio Lower Upper

77 100

105 16.6 66.4 106.4#

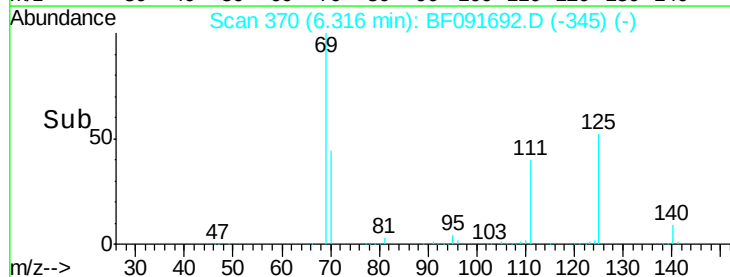
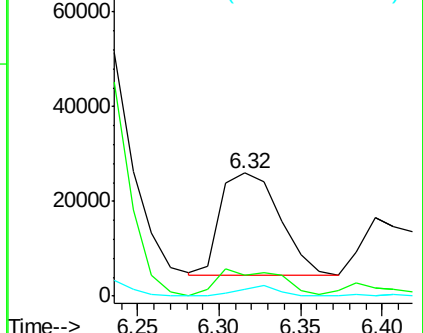
106 5.3 60.9 100.9#

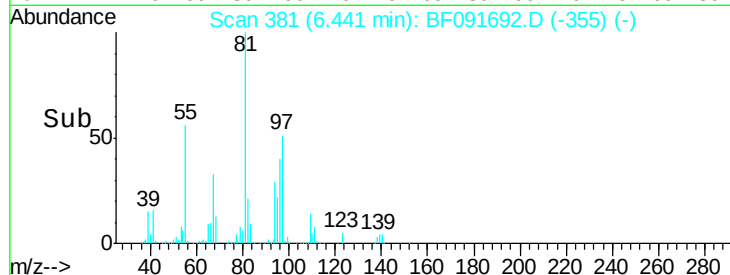
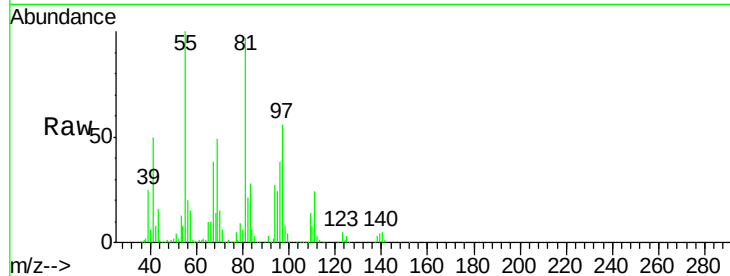
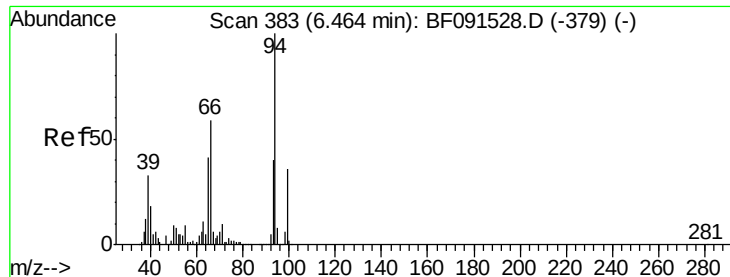


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 8.02 ng

RT: 6.44 min Scan# 381

Delta R.T. -0.00 min

Lab File: BF091692.D

Acq: 17 Dec 2016 00:13

Instrument :

BNA_F

ClientSampleId :

SB-49(11-13)-12-14-16

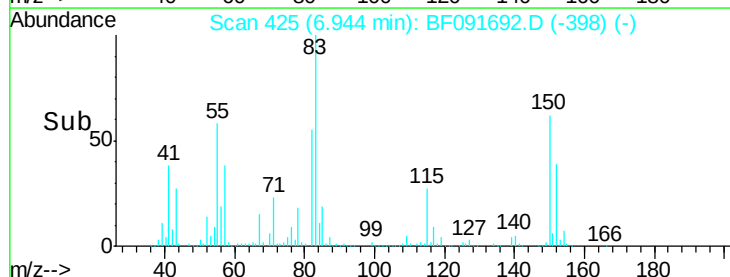
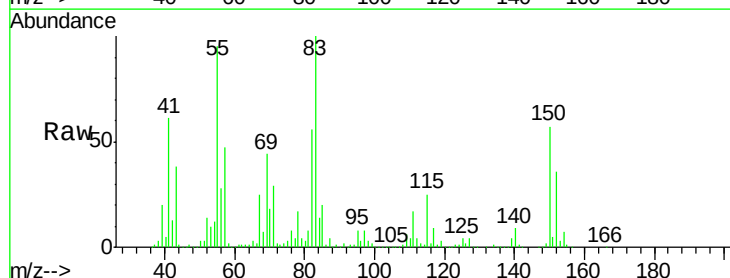
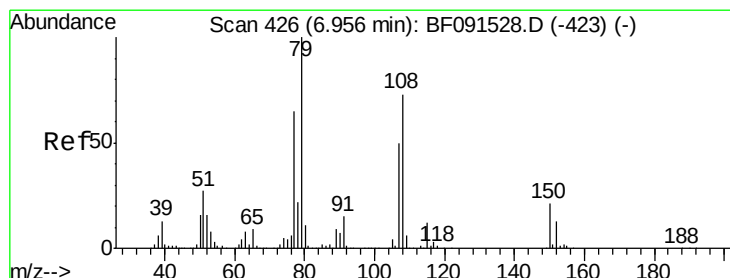
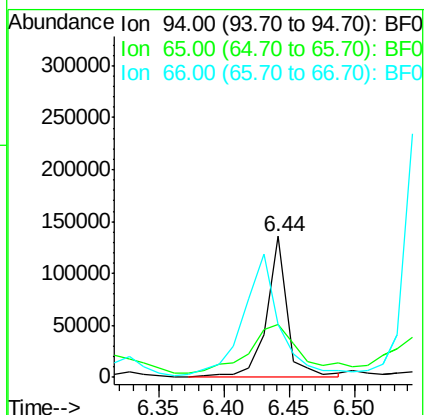
Tgt Ion: 94 Resp: 149897

Ion Ratio Lower Upper

94 100

65 37.7 16.9 56.9

66 37.5 30.6 70.6



#15

Benzyl Alcohol

Concen: 6.66 ng

RT: 6.94 min Scan# 425

Delta R.T. 0.01 min

Lab File: BF091692.D

Acq: 17 Dec 2016 00:13

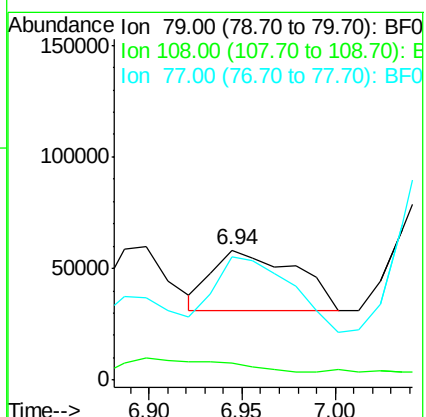
Tgt Ion: 79 Resp: 84059

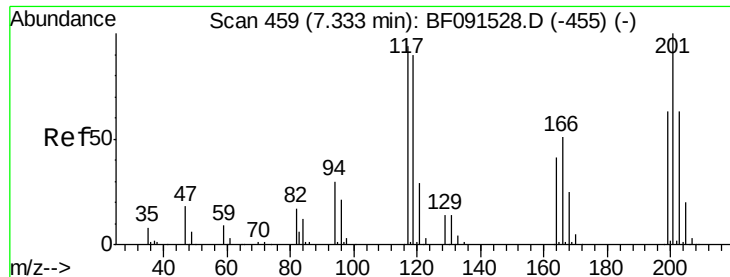
Ion Ratio Lower Upper

79 100

108 13.4 62.7 94.1#

77 94.6 51.7 77.5#

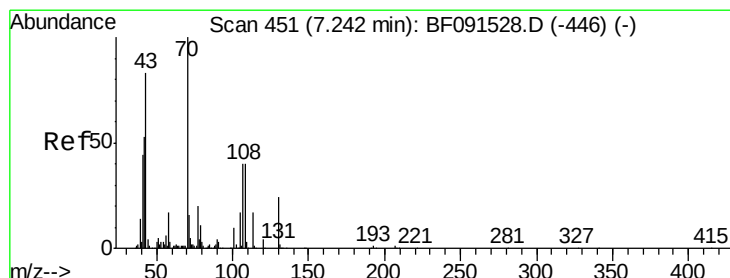
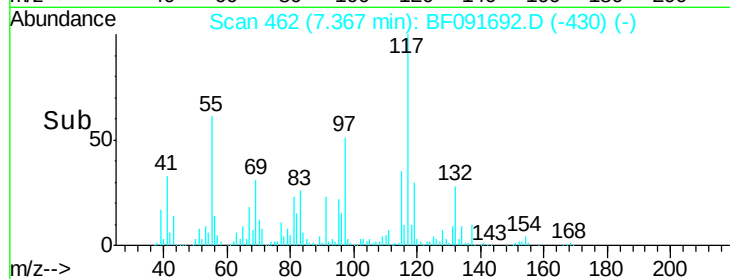
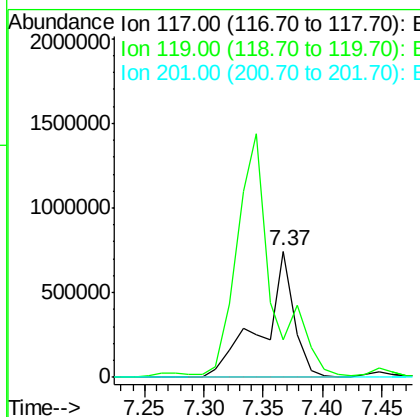
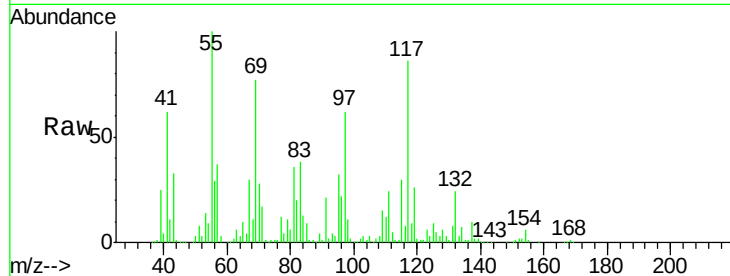




#18
 Hexachloroethane
 Concen: 227.15 ng
 RT: 7.37 min Scan# 462
 Delta R.T. 0.07 min
 Lab File: BF091692.D
 Acq: 17 Dec 2016 00:13

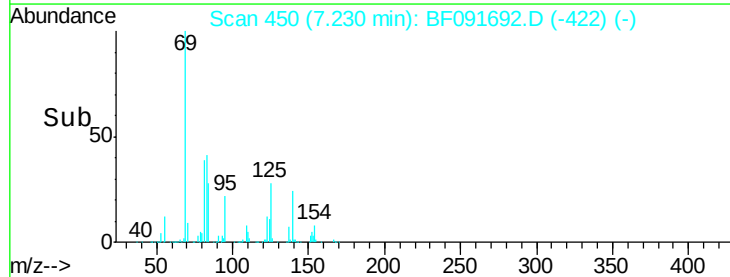
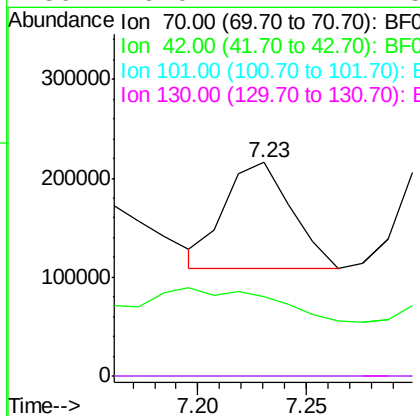
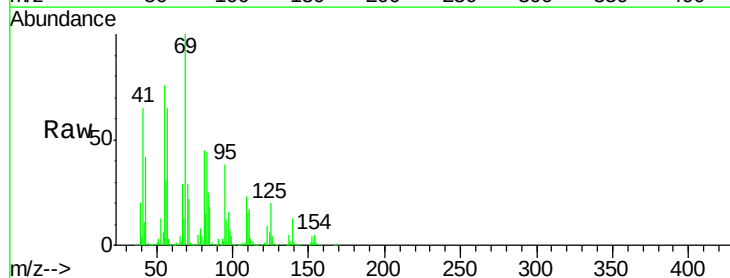
Instrument :
 BNA_F
 ClientSampleId :
 SB-49(11-13)-12-14-16

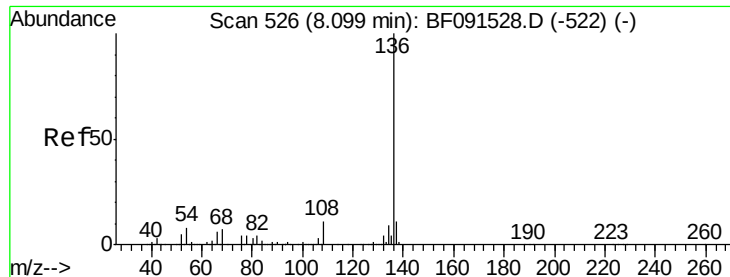
Tgt Ion: 117 Resp: 1372435
 Ion Ratio Lower Upper
 117 100
 119 30.2 78.6 118.0#
 201 0.0 86.7 130.1#



#19
 n-Nitroso-di-n-propylamine
 Concen: 23.00 ng
 RT: 7.23 min Scan# 450
 Delta R.T. 0.02 min
 Lab File: BF091692.D
 Acq: 17 Dec 2016 00:13

Tgt Ion: 70 Resp: 229930
 Ion Ratio Lower Upper
 70 100
 42 36.9 64.8 97.2#
 101 0.1 6.2 9.4#
 130 0.0 11.7 17.5#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 525

Delta R.T. 0.01 min

Lab File: BF091692.D

Acq: 17 Dec 2016 00:13

Instrument :

BNA_F

ClientSampleId :

SB-49(11-13)-12-14-16

Tgt Ion:136 Resp: 546343

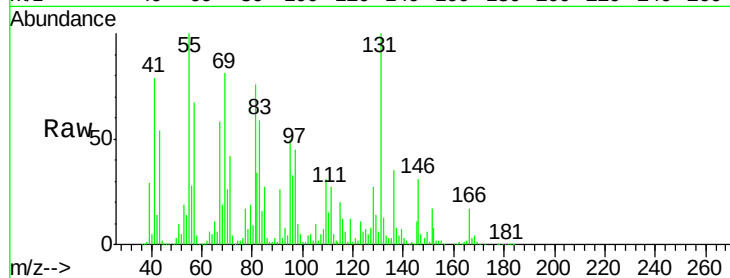
Ion Ratio Lower Upper

136 100

137 23.8 9.1 13.7#

54 41.2 9.1 13.7#

68 55.0 5.9 8.9#

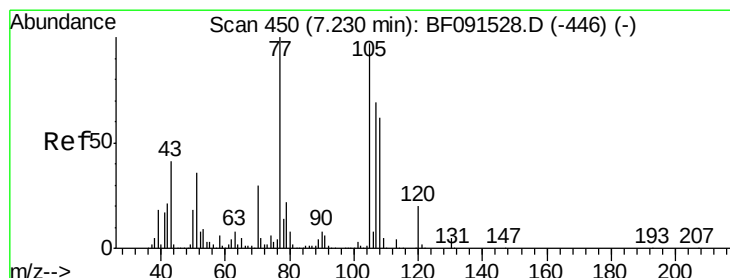
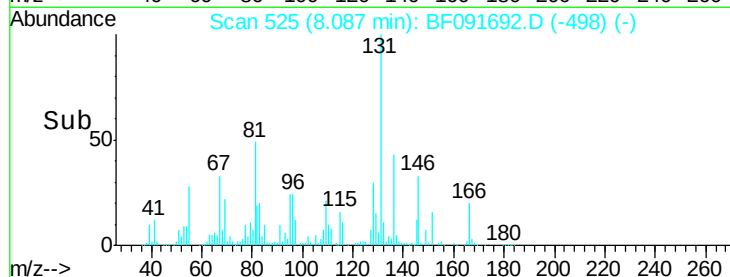
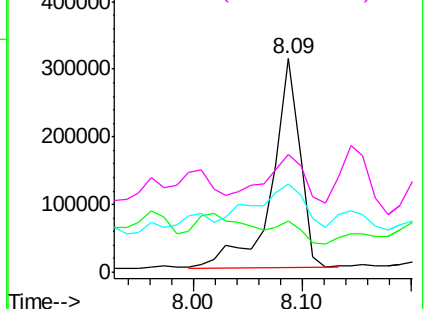


Abundance Ion 136.00 (135.70 to 136.70): E

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: 5.84 ng

RT: 7.20 min Scan# 447

Delta R.T. -0.00 min

Lab File: BF091692.D

Acq: 17 Dec 2016 00:13

Tgt Ion:105 Resp: 76489

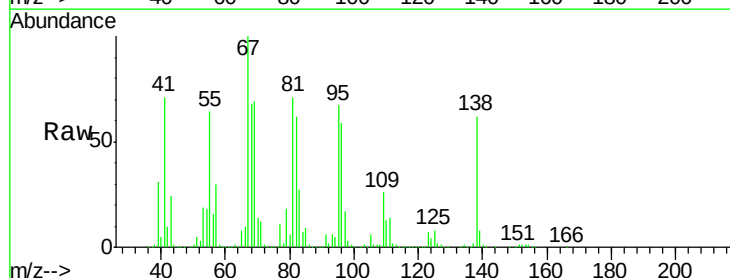
Ion Ratio Lower Upper

105 100

71 208.8 7.9 11.9#

51 89.8 24.5 36.7#

120 0.7 16.6 24.8#

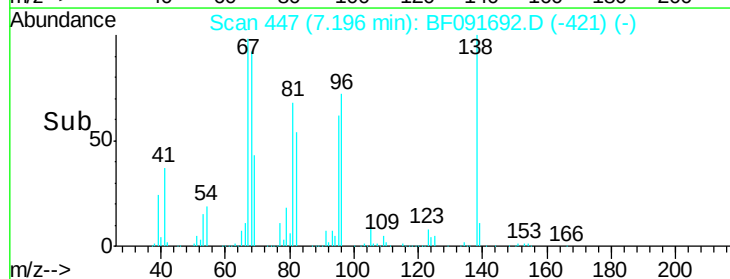
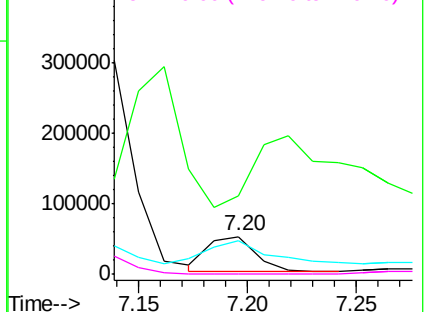


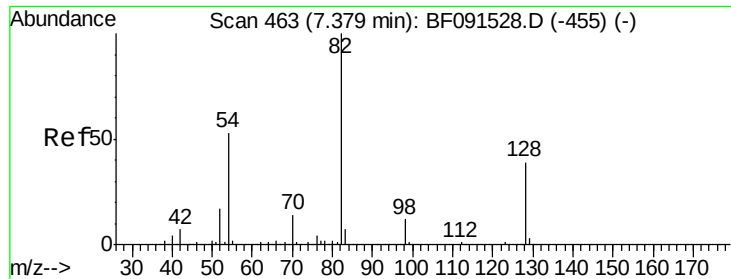
Abundance Ion 105.00 (104.70 to 105.70): E

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

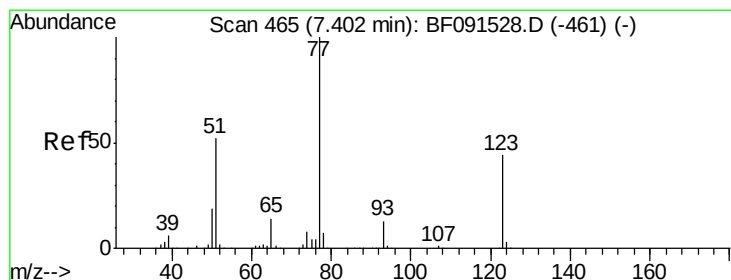
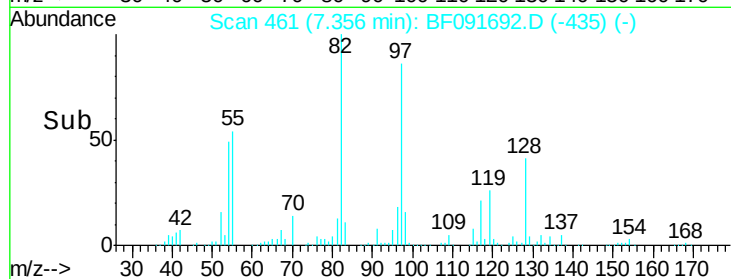
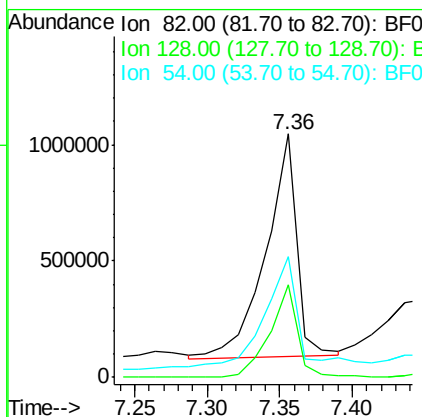
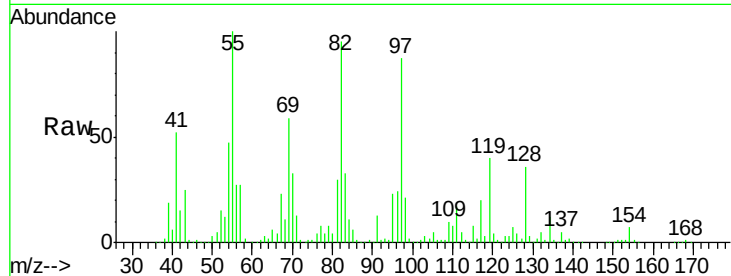




#23
 Nitrobenzene-d5
 Concen: 145.41 ng
 RT: 7.36 min Scan# 461
 Delta R.T. -0.00 min
 Lab File: BF091692.D
 Acq: 17 Dec 2016 00:13

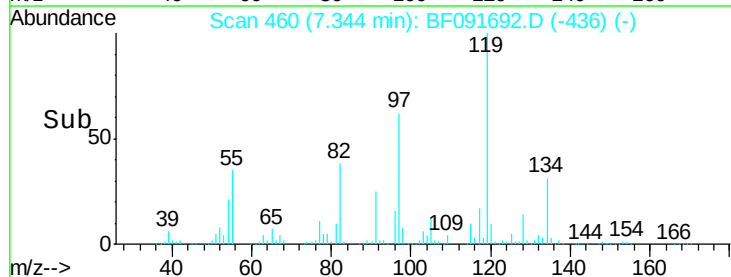
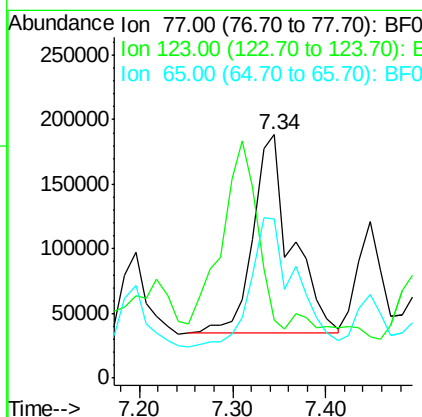
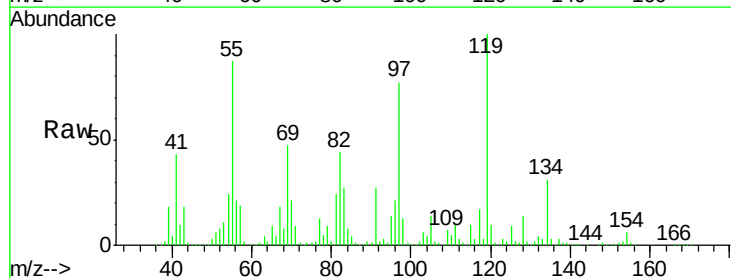
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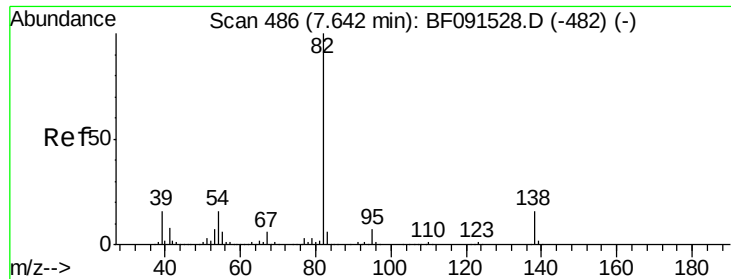
Tgt Ion: 82 Resp: 1423360
 Ion Ratio Lower Upper
 82 100
 128 38.0 31.8 47.6
 54 49.6 49.1 73.7



#24
 Nitrobenzene
 Concen: 42.13 ng
 RT: 7.34 min Scan# 460
 Delta R.T. -0.02 min
 Lab File: BF091692.D
 Acq: 17 Dec 2016 00:13

Tgt Ion: 77 Resp: 435715
 Ion Ratio Lower Upper
 77 100
 123 23.8 28.5 42.7#
 65 65.1 12.5 18.7#





#25

Isophorone

Concen: 51.60 ng

RT: 7.62 min Scan# 484

Delta R.T. -0.00 min

Lab File: BF091692.D

Acq: 17 Dec 2016 00:13

Instrument :

BNA_F

ClientSampleId :

SB-49(11-13)-12-14-16

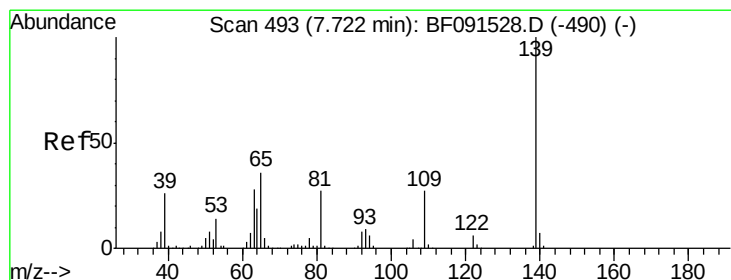
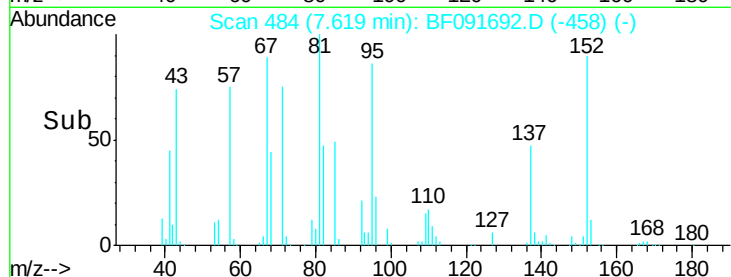
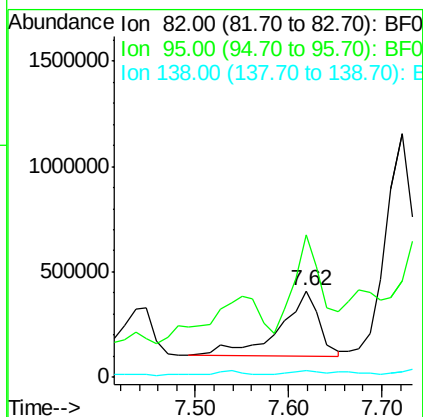
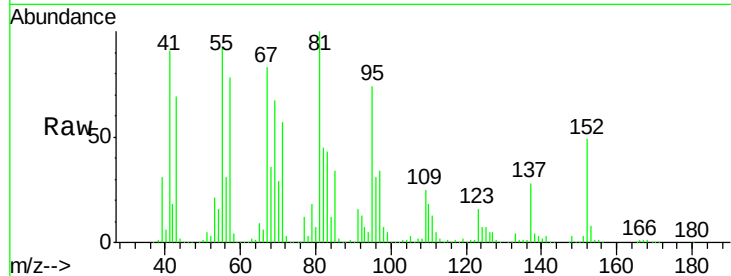
Tgt Ion: 82 Resp: 897947

Ion Ratio Lower Upper

82 100

95 164.2 5.7 8.5#

138 8.5 13.4 20.0#



#26

2-Nitrophenol

Concen: 6.21 ng

RT: 7.65 min Scan# 487

Delta R.T. -0.03 min

Lab File: BF091692.D

Acq: 17 Dec 2016 00:13

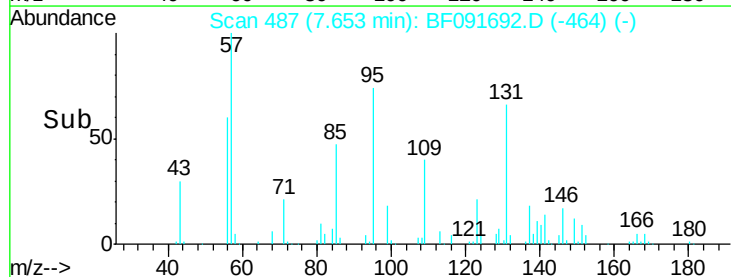
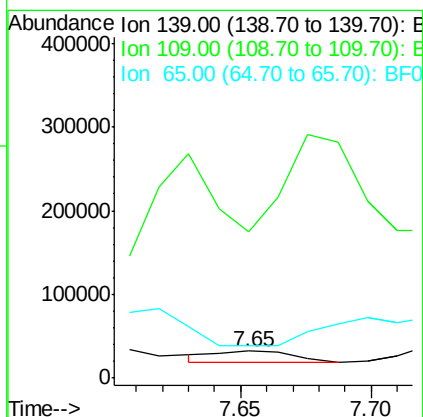
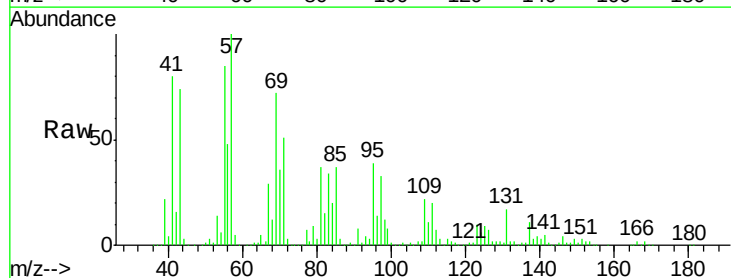
Tgt Ion: 139 Resp: 28343

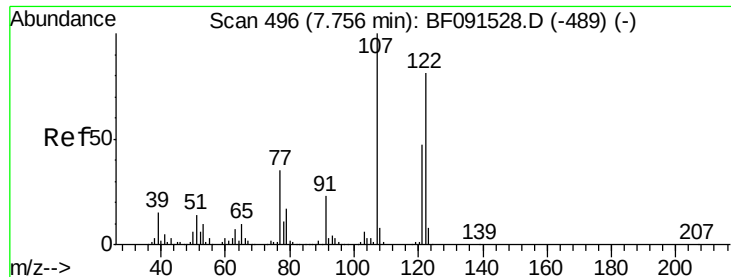
Ion Ratio Lower Upper

139 100

109 540.7 25.3 37.9#

65 118.7 55.4 83.2#





#27

2,4-Dimethylphenol

Concen: 14.31 ng

RT: 7.74 min Scan# 495

Delta R.T. 0.01 min

Lab File: BF091692.D

Acq: 17 Dec 2016 00:13

Instrument :

BNA_F

ClientSampleId :

SB-49(11-13)-12-14-16

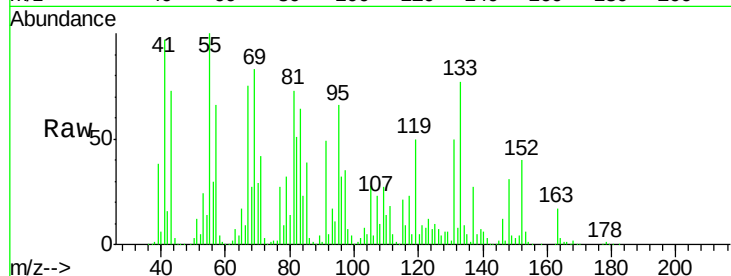
Tgt Ion:122 Resp: 114754

Ion Ratio Lower Upper

122 100

107 266.2 96.8 145.2#

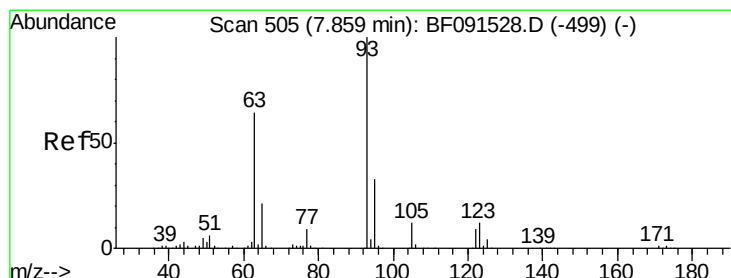
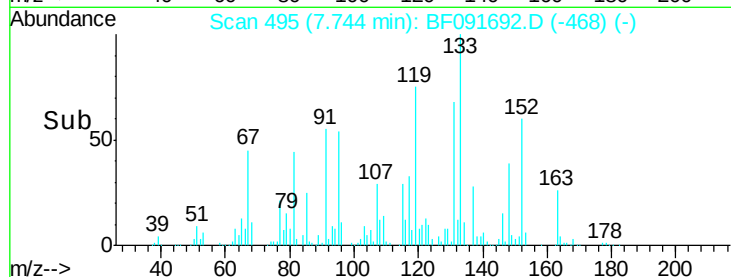
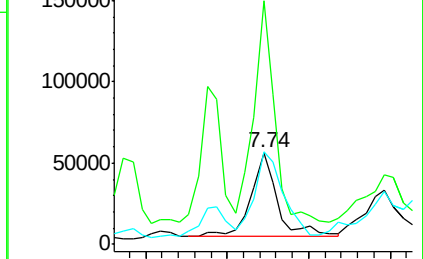
121 100.9 47.7 71.5#



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: 4.52 ng

RT: 7.84 min Scan# 503

Delta R.T. 0.01 min

Lab File: BF091692.D

Acq: 17 Dec 2016 00:13

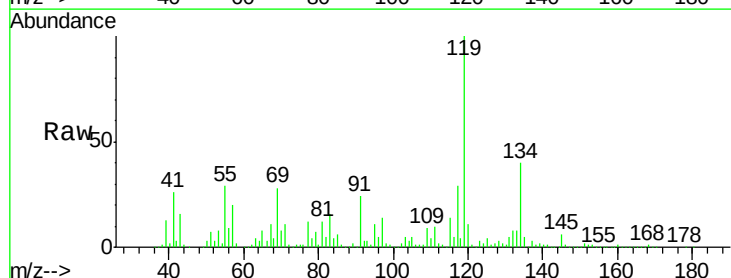
Tgt Ion: 93 Resp: 46141

Ion Ratio Lower Upper

93 100

95 402.7 26.0 39.0#

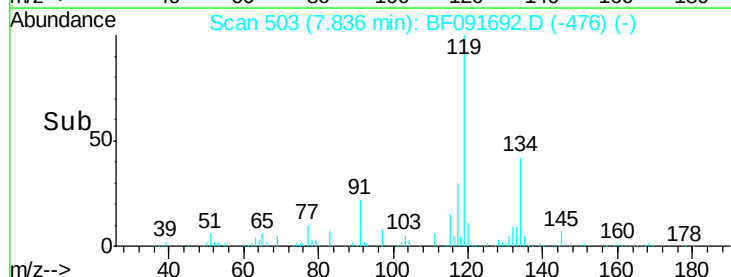
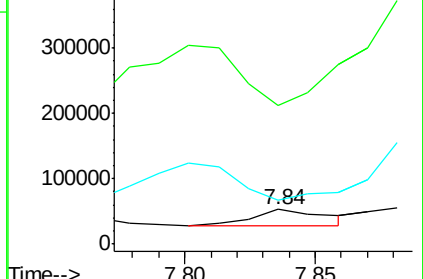
123 127.2 8.6 12.8#

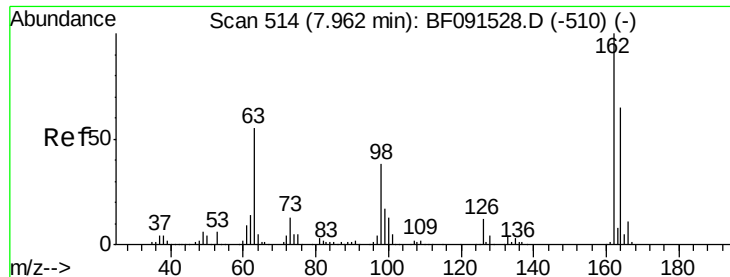


Abundance Ion 93.00 (92.70 to 93.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 123.00 (122.70 to 123.70): E

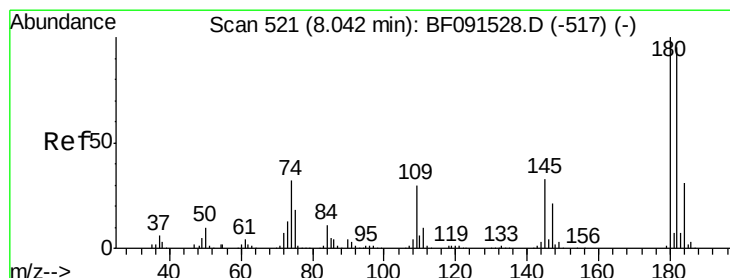
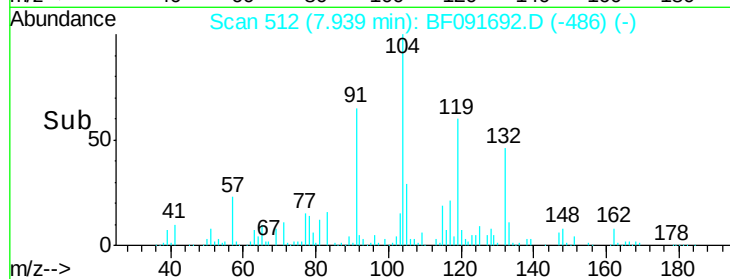
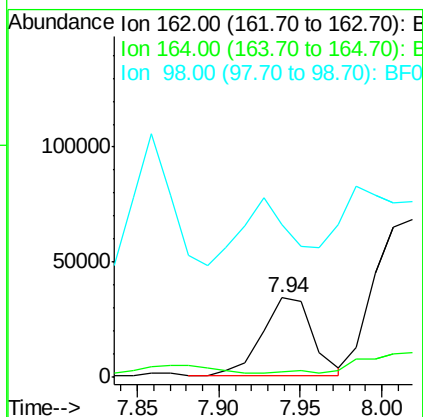
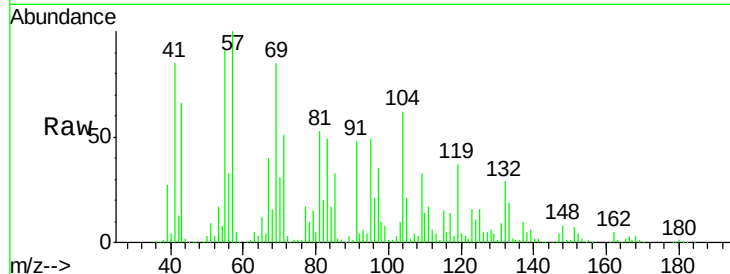




#29
2,4-Dichlorophenol
Concen: 10.62 ng
RT: 7.94 min Scan# 512
Delta R.T. -0.00 min
Lab File: BF091692.D
Acq: 17 Dec 2016 00:13

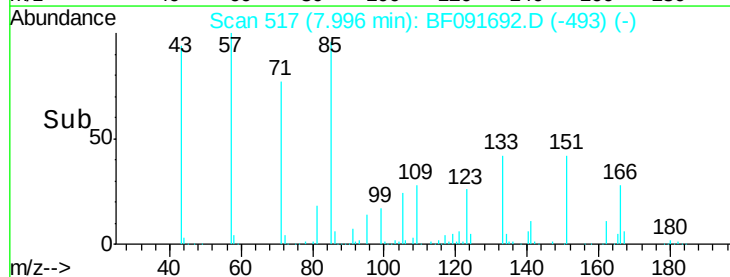
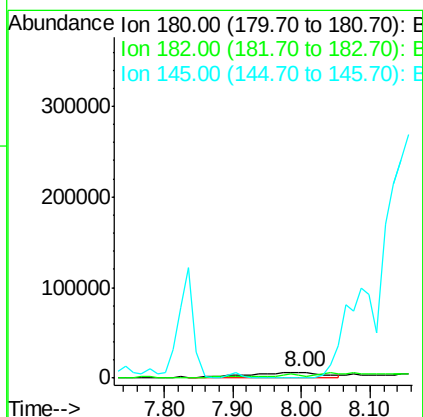
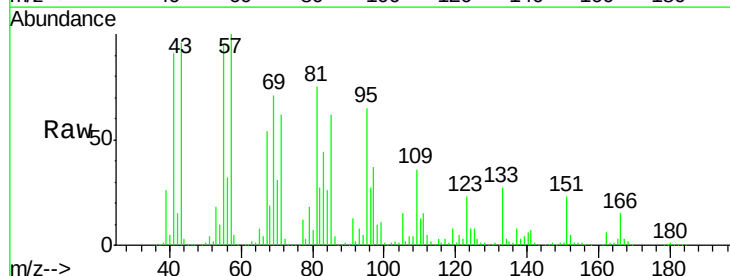
Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16

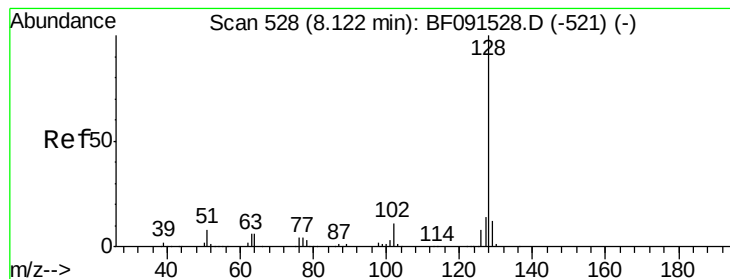
Tgt Ion:162 Resp: 74062
Ion Ratio Lower Upper
162 100
164 7.4 45.0 85.0#
98 192.6 21.3 61.3#



#30
1,2,4-Trichlorobenzene
Concen: 5.05 ng
RT: 8.00 min Scan# 517
Delta R.T. -0.02 min
Lab File: BF091692.D
Acq: 17 Dec 2016 00:13

Tgt Ion:180 Resp: 40072
Ion Ratio Lower Upper
180 100
182 48.5 75.8 113.8#
145 7.7 27.0 40.4#





#31

Naphthalene

Concen: 85.89 ng

RT: 8.11 min Scan# 527

Delta R.T. 0.01 min

Lab File: BF091692.D

Acq: 17 Dec 2016 00:13

Instrument :

BNA_F

ClientSampleId :

SB-49(11-13)-12-14-16

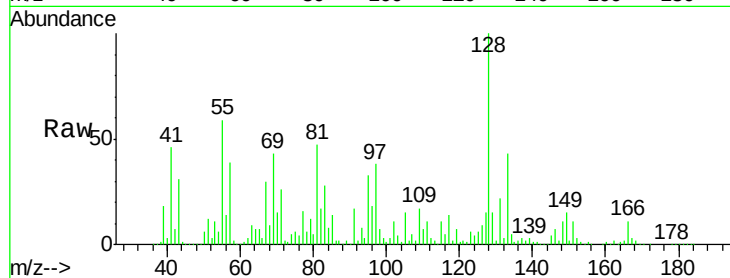
Tgt Ion:128 Resp: 2183281

Ion Ratio Lower Upper

128 100

129 14.7 9.1 13.7#

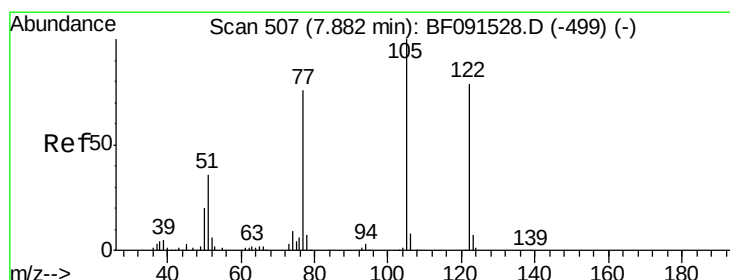
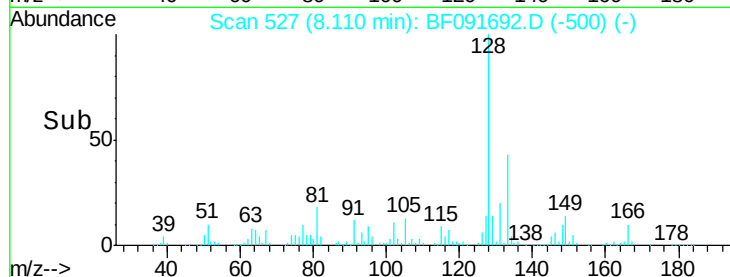
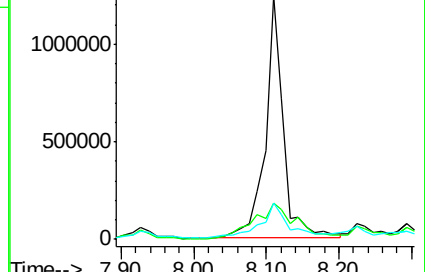
127 15.1 11.0 16.4



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: 17.06 ng

RT: 7.89 min Scan# 508

Delta R.T. 0.03 min

Lab File: BF091692.D

Acq: 17 Dec 2016 00:13

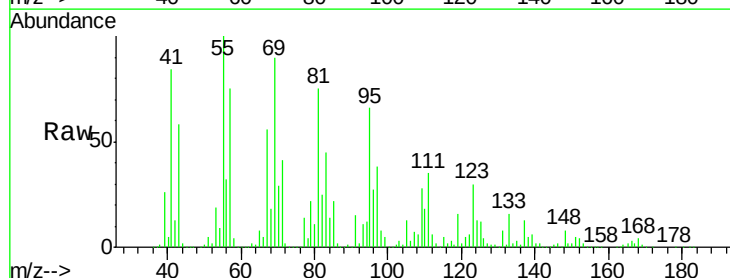
Tgt Ion:122 Resp: 77956

Ion Ratio Lower Upper

122 100

105 234.7 113.0 153.0#

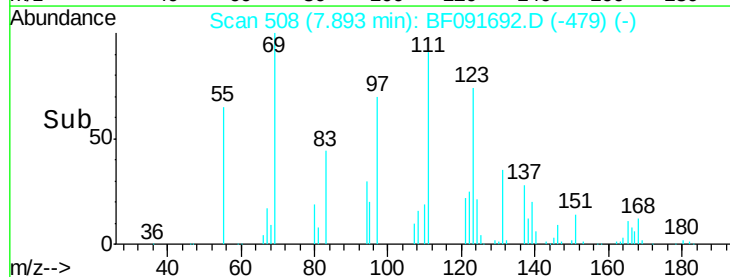
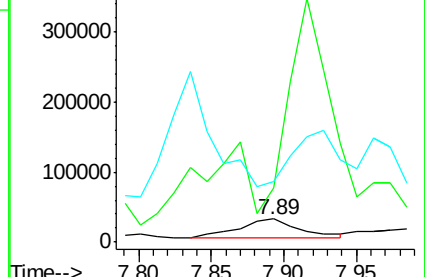
77 262.6 82.0 122.0#

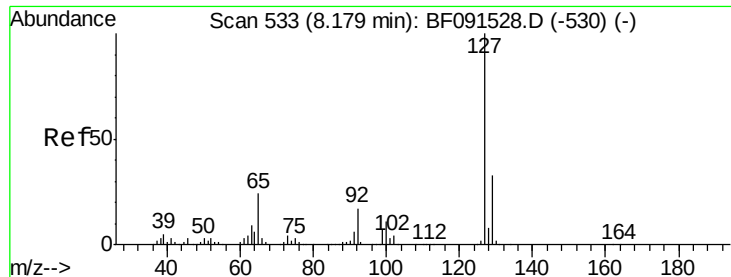


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

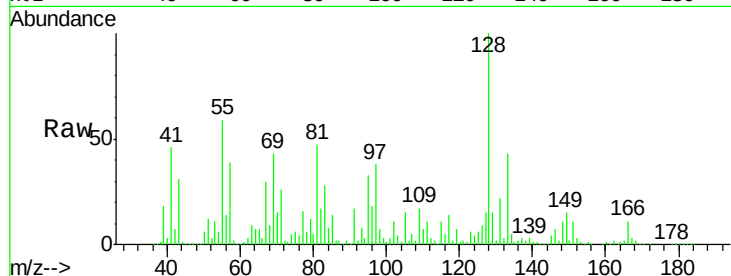




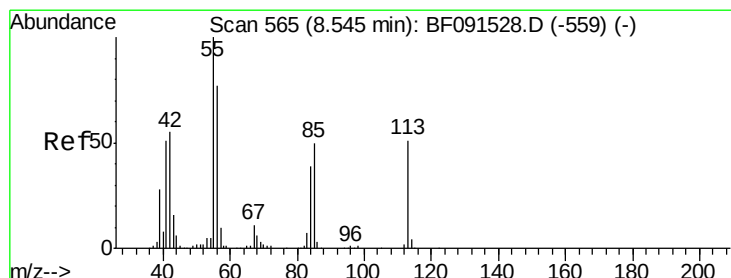
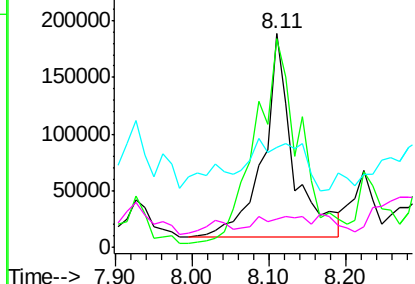
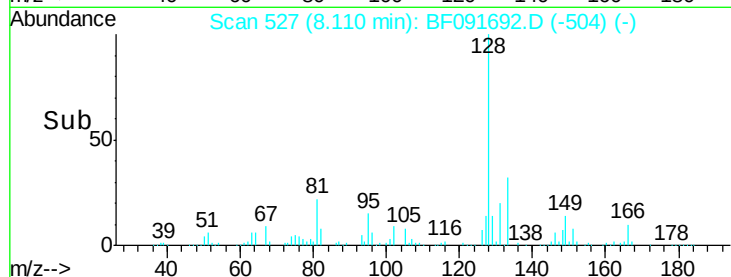
#33
4-Chloroaniline
Concen: 44.29 ng
RT: 8.11 min Scan# 527
Delta R.T. -0.03 min
Lab File: BF091692.D
Acq: 17 Dec 2016 00:13

Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16

Tgt Ion:	127	Resp:	485080
Ion	Ratio	Lower	Upper
127	100		
129	97.5	26.2	39.4#
65	46.8	26.6	39.8#
92	13.3	15.4	23.0#

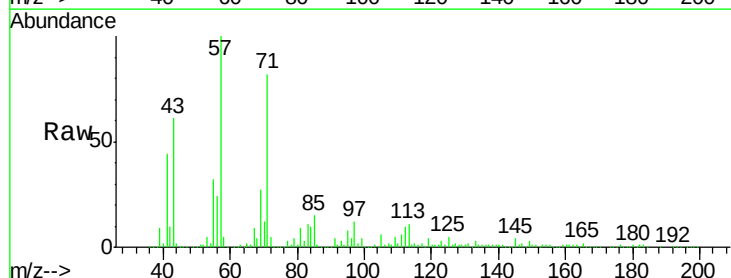


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF0
Ion 92.00 (91.70 to 92.70): BF0

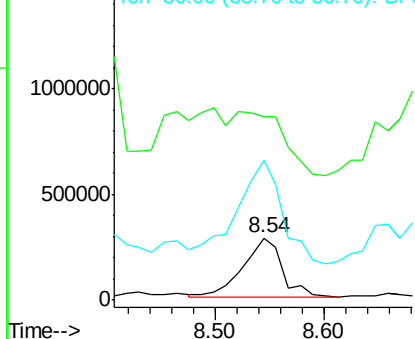
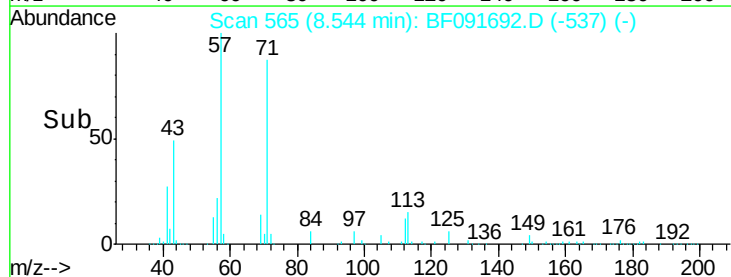


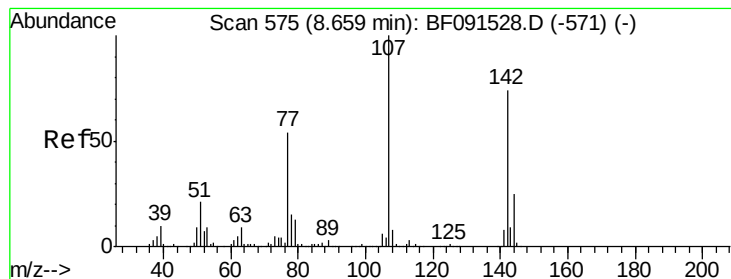
#35
Caprolactam
Concen: 338.73 ng
RT: 8.54 min Scan# 565
Delta R.T. 0.02 min
Lab File: BF091692.D
Acq: 17 Dec 2016 00:13

Tgt Ion:	113	Resp:	690020
Ion	Ratio	Lower	Upper
113	100		
55	297.0	239.8	279.8#
56	226.8	165.6	205.6#



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF0
Ion 56.00 (55.70 to 56.70): BF0





#36

4-Chloro-3-methylphenol

Concen: 13.76 ng

RT: 8.64 min Scan# 573

Delta R.T. -0.00 min

Lab File: BF091692.D

Acq: 17 Dec 2016 00:13

Instrument :

BNA_F

ClientSampleId :

SB-49(11-13)-12-14-16

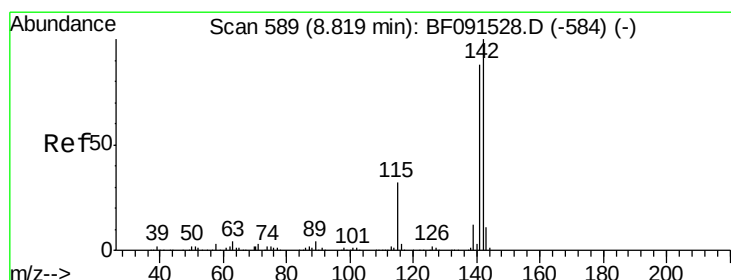
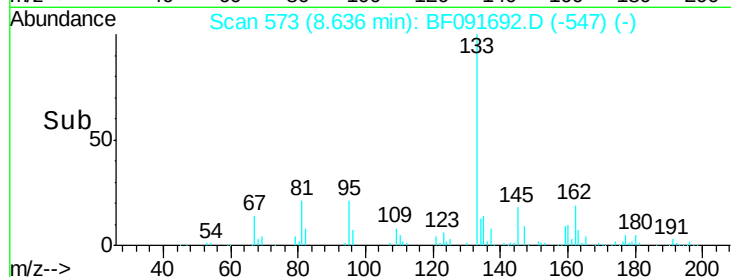
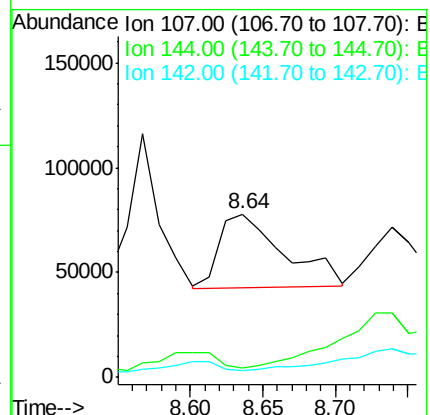
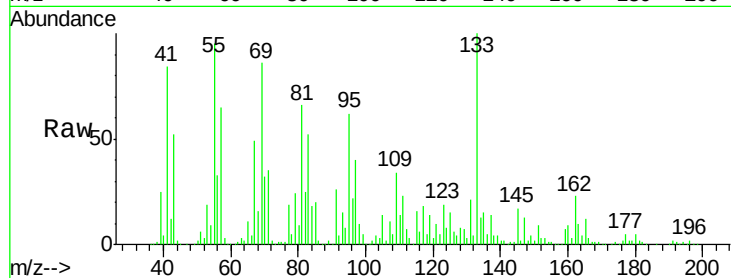
Tgt Ion:107 Resp: 107673

Ion Ratio Lower Upper

107 100

144 5.5 18.9 28.3#

142 4.4 58.5 87.7#



#37

2-Methylnaphthalene

Concen: 202.78 ng

RT: 8.82 min Scan# 589

Delta R.T. 0.03 min

Lab File: BF091692.D

Acq: 17 Dec 2016 00:13

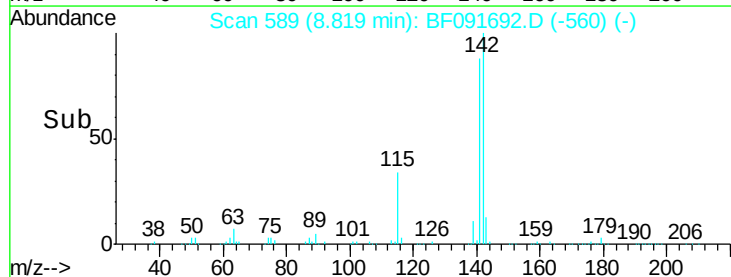
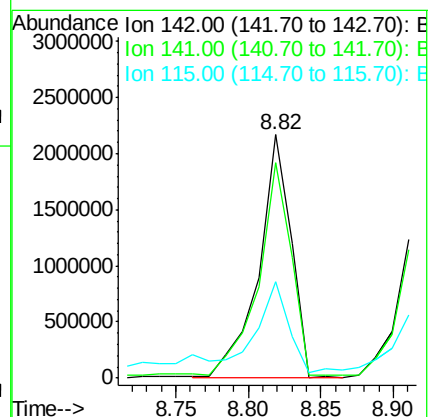
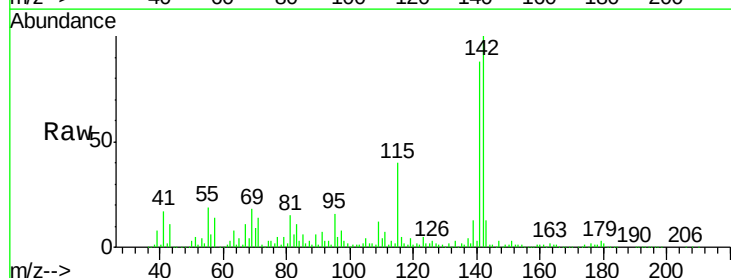
Tgt Ion:142 Resp: 3336272

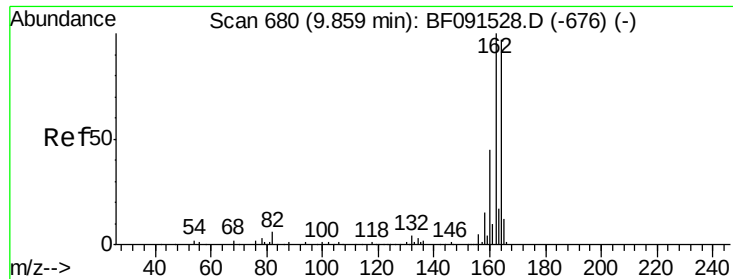
Ion Ratio Lower Upper

142 100

141 88.5 71.7 107.5

115 39.5 25.0 37.6#

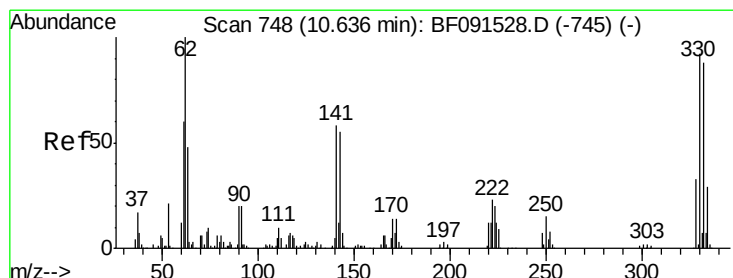
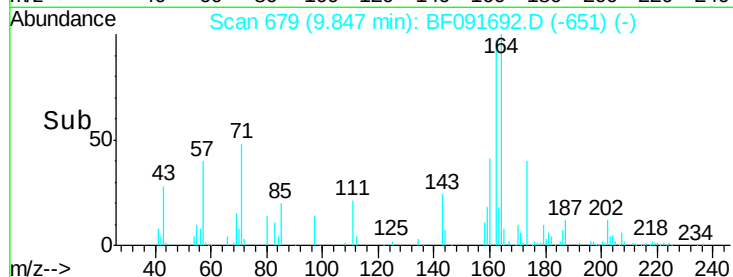
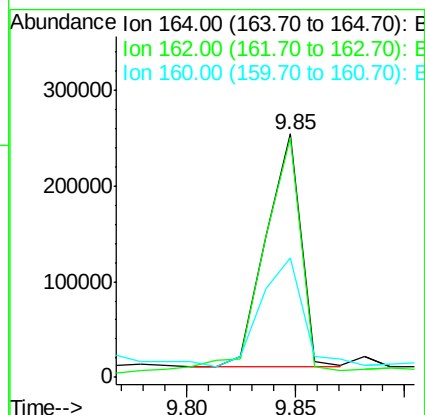
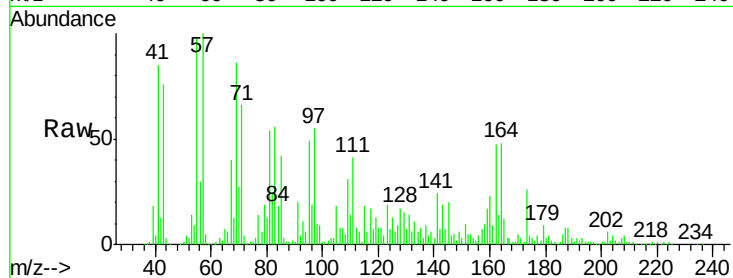




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 679
 Delta R.T. 0.02 min
 Lab File: BF091692.D
 Acq: 17 Dec 2016 00:13

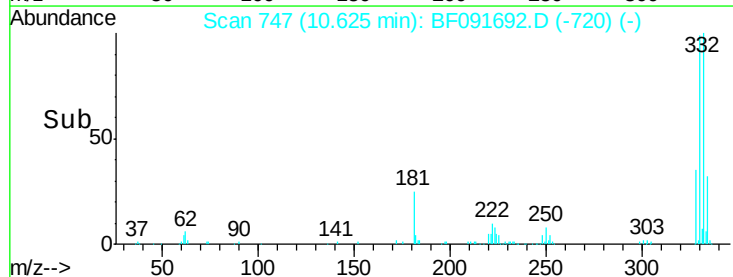
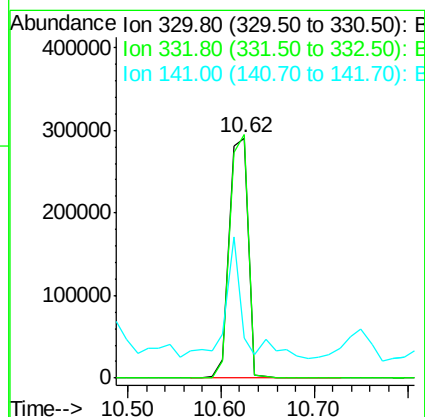
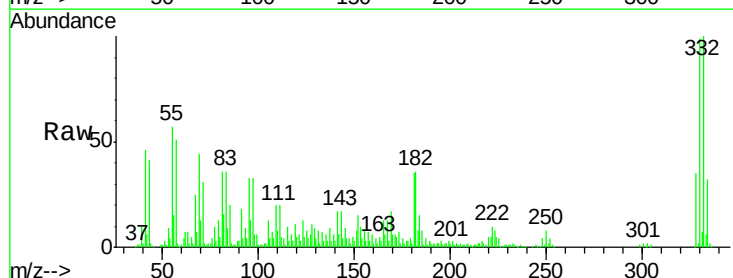
Instrument :
 BNA_F
 ClientSampleId :
 SB-49(11-13)-12-14-16

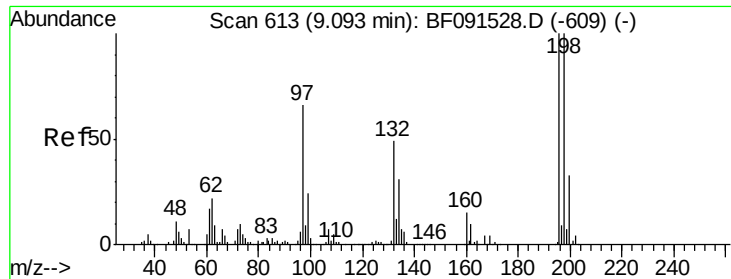
Tgt Ion:164 Resp: 273316
 Ion Ratio Lower Upper
 164 100
 162 98.5 82.6 124.0
 160 48.8 36.7 55.1



#41
 2,4,6-Tribromophenol
 Concen: 182.05 ng
 RT: 10.62 min Scan# 747
 Delta R.T. 0.01 min
 Lab File: BF091692.D
 Acq: 17 Dec 2016 00:13

Tgt Ion:330 Resp: 413281
 Ion Ratio Lower Upper
 330 100
 332 99.0 76.2 114.4
 141 33.2 33.6 50.4#





#42

2,4,6-Trichlorophenol

Concen: 9.80 ng

RT: 9.09 min Scan# 613

Delta R.T. 0.02 min

Lab File: BF091692.D

Acq: 17 Dec 2016 00:13

Instrument :

BNA_F

ClientSampleId :

SB-49(11-13)-12-14-16

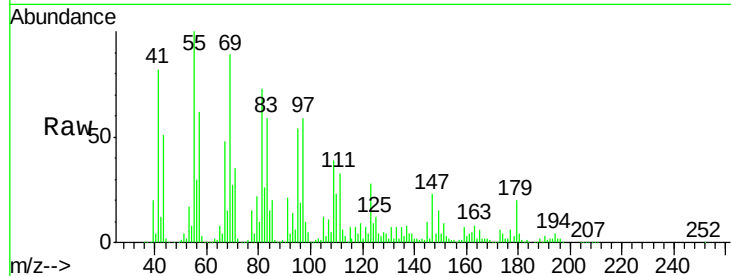
Tgt Ion:196 Resp: 47222

Ion Ratio Lower Upper

196 100

198 0.0 77.4 116.0#

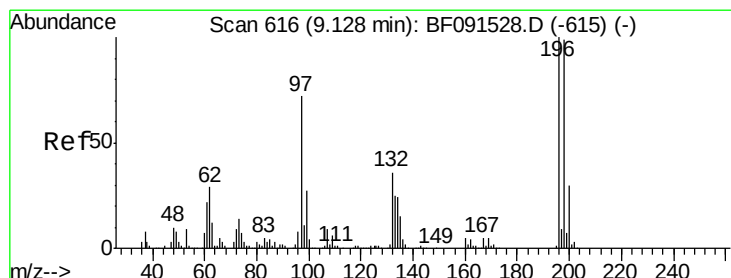
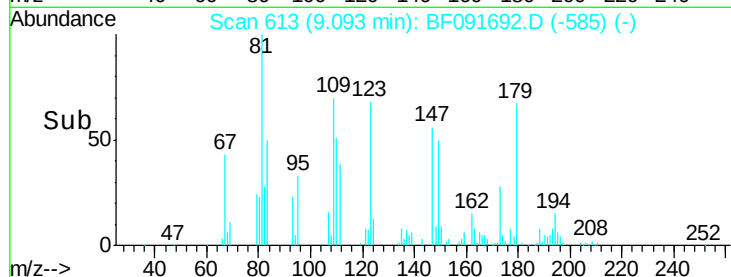
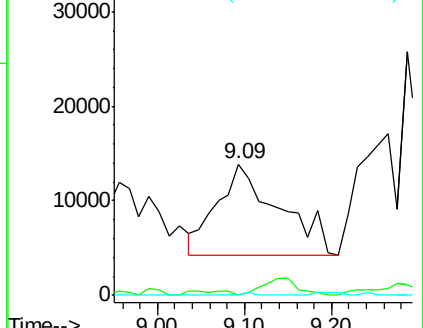
200 0.0 25.2 37.8#



Abundance Ion 196.00 (195.70 to 196.70): E

Ion 198.00 (197.70 to 198.70): E

Ion 200.00 (199.70 to 200.70): E



#43

2,4,5-Trichlorophenol

Concen: 9.54 ng

RT: 9.09 min Scan# 613

Delta R.T. -0.01 min

Lab File: BF091692.D

Acq: 17 Dec 2016 00:13

Tgt Ion:196 Resp: 47222

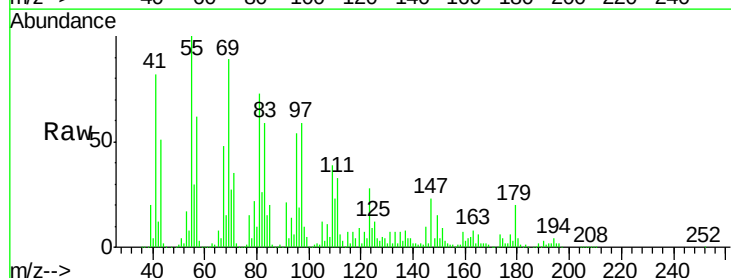
Ion Ratio Lower Upper

196 100

198 0.0 77.0 115.6#

97 3162.4 33.5 50.3#

132 113.3 20.5 30.7#

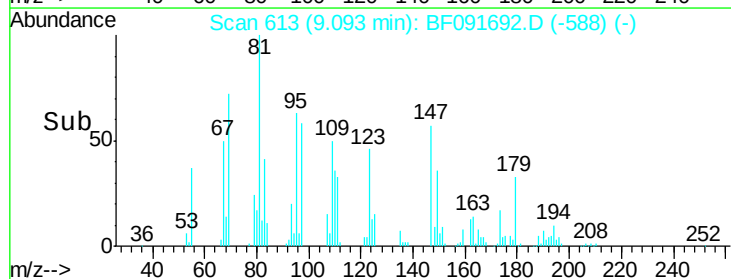
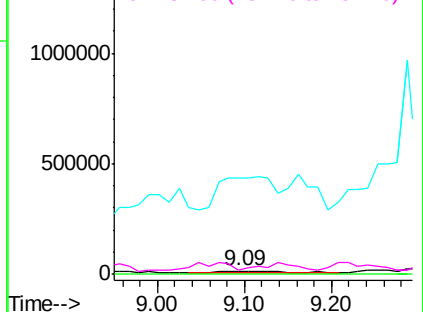


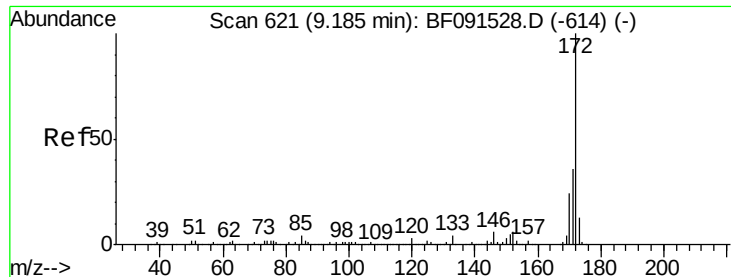
Abundance Ion 196.00 (195.70 to 196.70): E

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

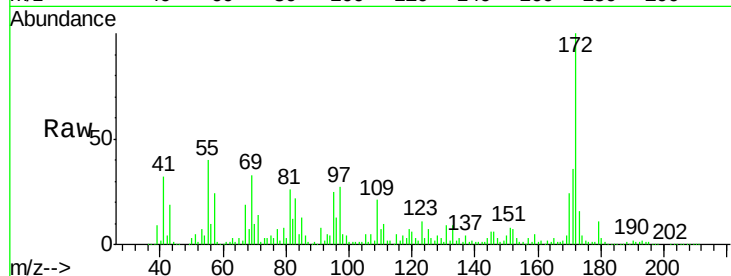




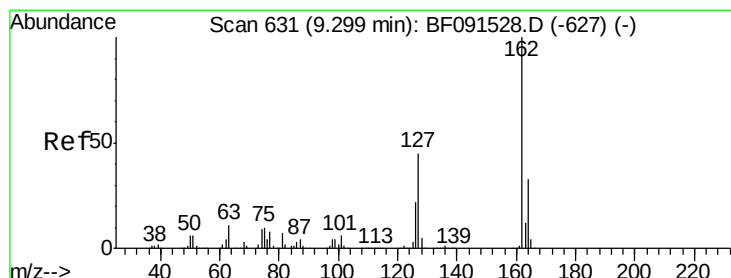
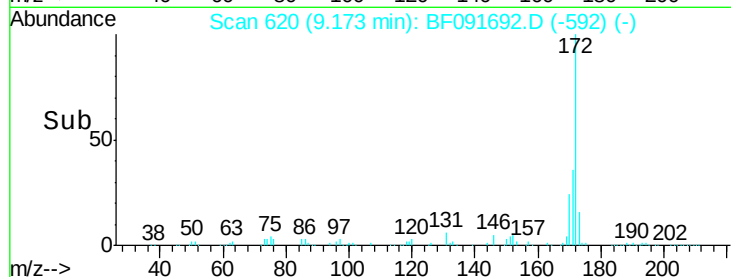
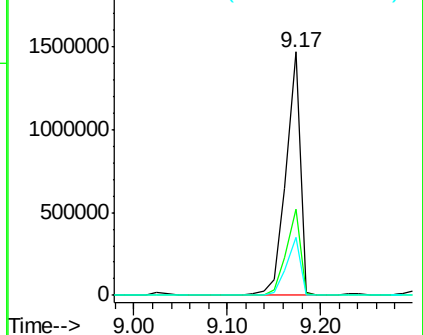
#44
 2-Fluorobiphenyl
 Concen: 98.75 ng
 RT: 9.17 min Scan# 620
 Delta R.T. 0.02 min
 Lab File: BF091692.D
 Acq: 17 Dec 2016 00:13

Instrument :
 BNA_F
 ClientSampleId :
 SB-49(11-13)-12-14-16

Tgt Ion:172 Resp: 1561970
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.4 44.0
 170 23.8 19.7 29.5

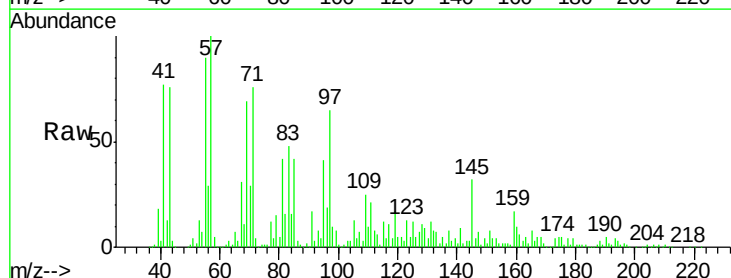


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

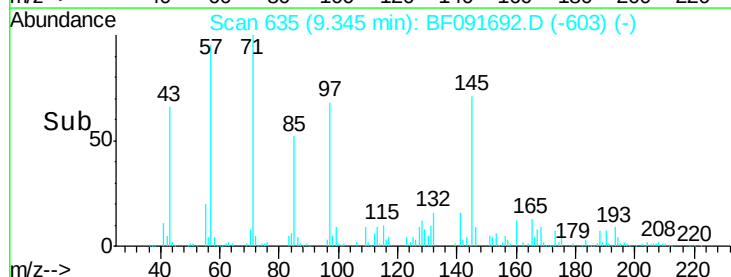
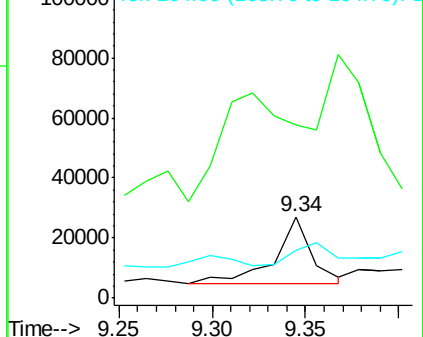


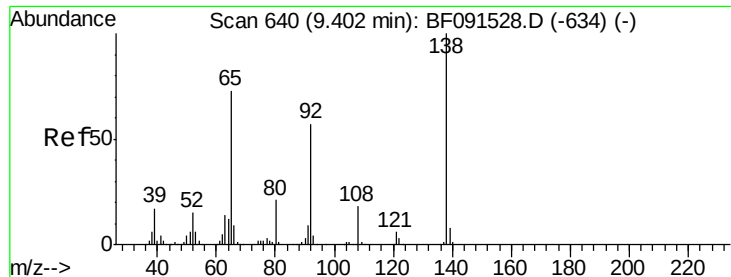
#46
 2-Chloronaphthalene
 Concen: 2.08 ng
 RT: 9.34 min Scan# 635
 Delta R.T. 0.07 min
 Lab File: BF091692.D
 Acq: 17 Dec 2016 00:13

Tgt Ion:162 Resp: 31850
 Ion Ratio Lower Upper
 162 100
 127 212.9 34.3 51.5#
 164 59.2 26.6 40.0#



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: 6.02 ng

RT: 9.40 min Scan# 640

Delta R.T. 0.03 min

Lab File: BF091692.D

Acq: 17 Dec 2016 00:13

Instrument :

BNA_F

ClientSampleId :

SB-49(11-13)-12-14-16

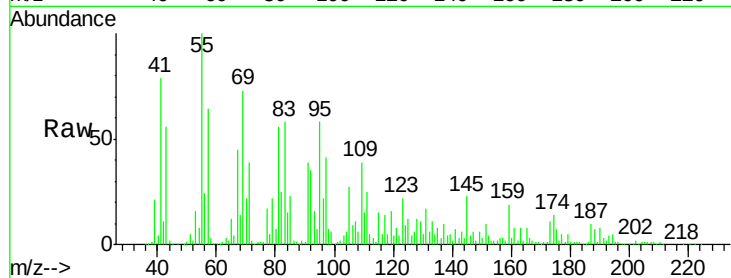
Tgt Ion: 65 Resp: 31028

Ion Ratio Lower Upper

65 100

92 294.4 53.6 80.4#

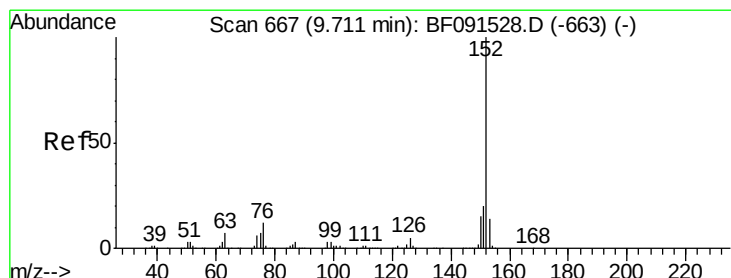
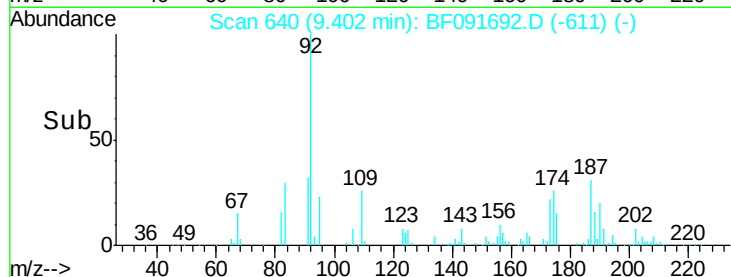
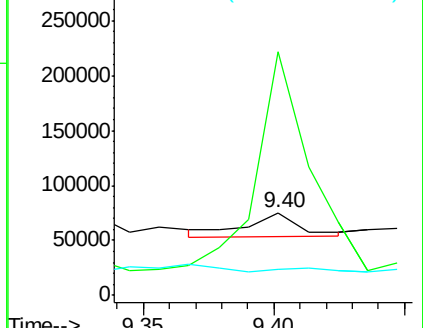
138 31.4 91.0 136.6#



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: 4.43 ng

RT: 9.71 min Scan# 667

Delta R.T. 0.02 min

Lab File: BF091692.D

Acq: 17 Dec 2016 00:13

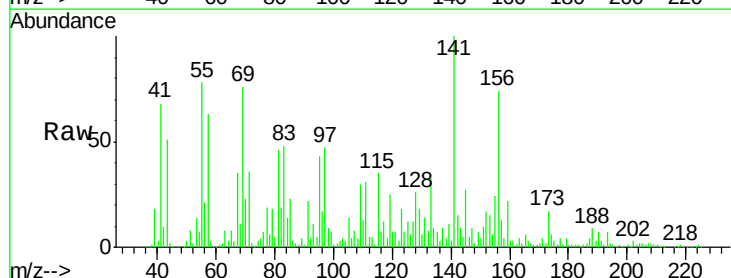
Tgt Ion: 152 Resp: 103441

Ion Ratio Lower Upper

152 100

151 56.0 16.6 24.8#

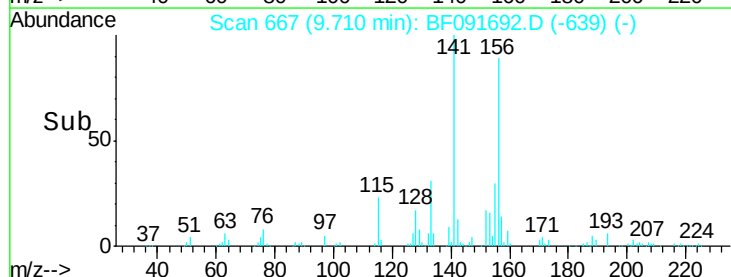
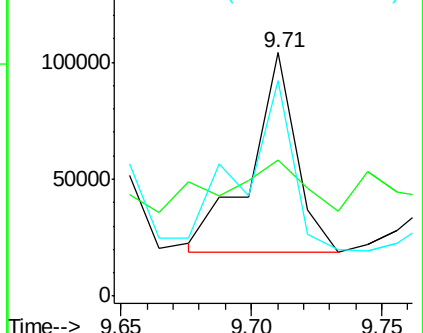
153 88.3 10.7 16.1#

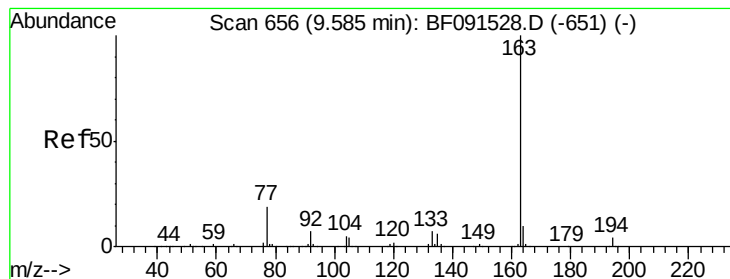


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Dimethylphthalate

Concen: 17.35 ng

RT: 9.56 min Scan# 654

Delta R.T. -0.00 min

Lab File: BF091692.D

Acq: 17 Dec 2016 00:13

Instrument :

BNA_F

ClientSampleId :

SB-49(11-13)-12-14-16

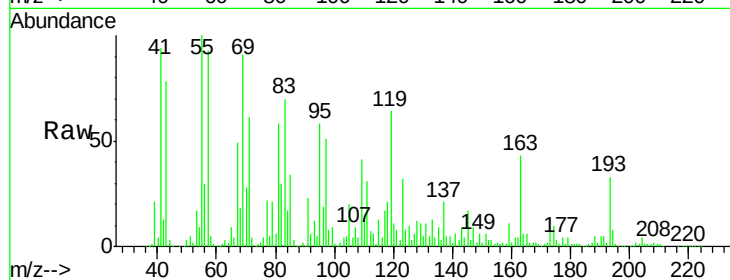
Tgt Ion:163 Resp: 300248

Ion Ratio Lower Upper

163 100

194 18.9 3.0 4.4#

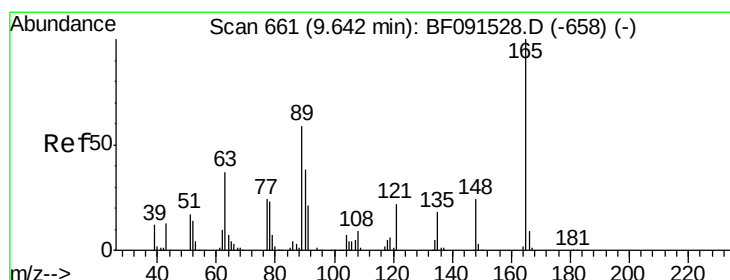
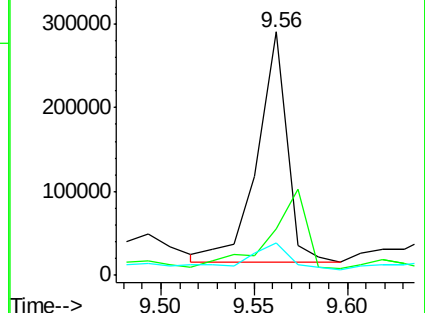
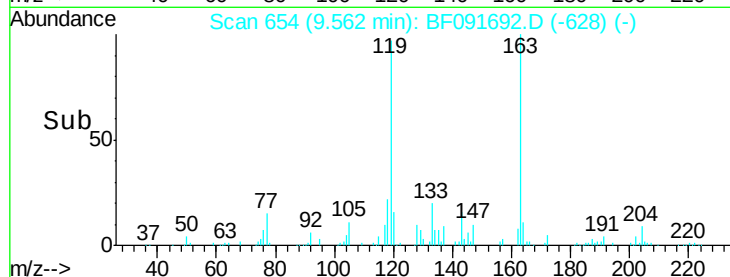
164 13.5 7.8 11.8#



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: 22.59 ng

RT: 9.65 min Scan# 662

Delta R.T. 0.03 min

Lab File: BF091692.D

Acq: 17 Dec 2016 00:13

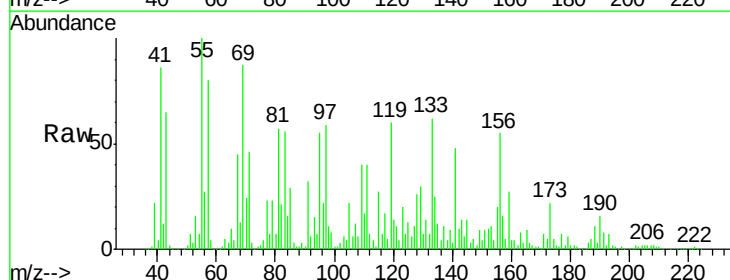
Tgt Ion:165 Resp: 85798

Ion Ratio Lower Upper

165 100

63 57.5 59.4 89.0#

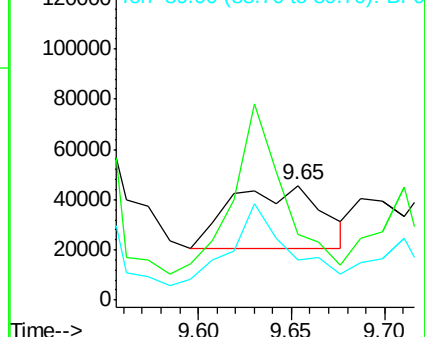
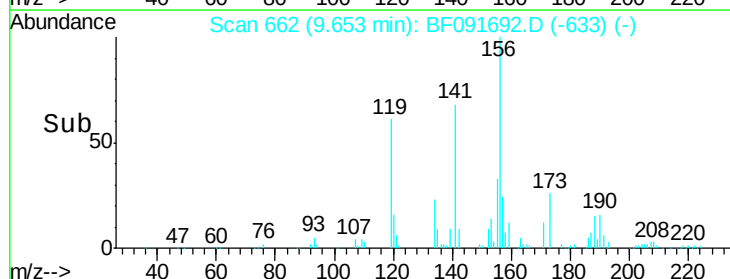
89 35.3 50.8 76.2#

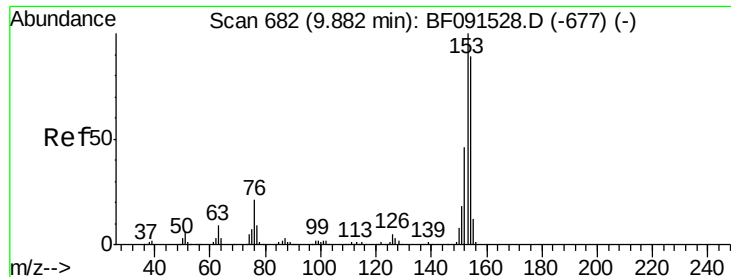


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0





#51

Acenaphthene

Concen: 13.39 ng

RT: 9.87 min Scan# 681

Delta R.T. 0.01 min

Lab File: BF091692.D

Acq: 17 Dec 2016 00:13

Instrument :

BNA_F

ClientSampleId :

SB-49(11-13)-12-14-16

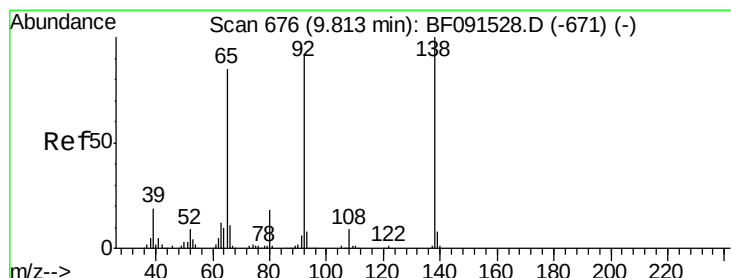
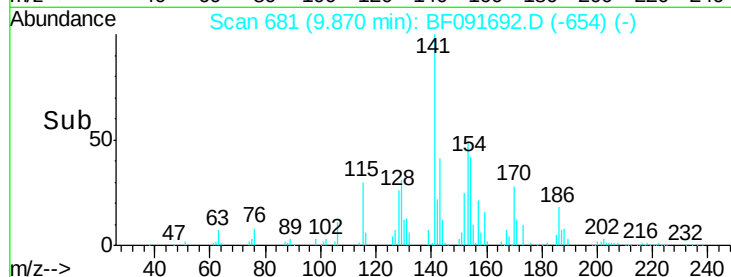
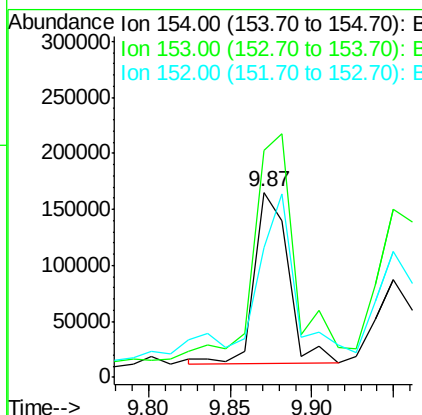
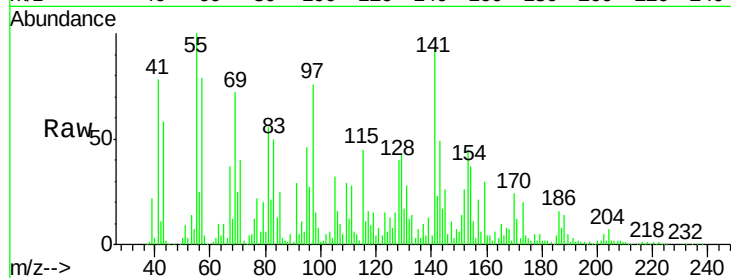
Tgt Ion:154 Resp: 217383

Ion Ratio Lower Upper

154 100

153 122.2 91.0 136.6

152 69.8 44.2 66.2#



#52

3-Nitroaniline

Concen: 9.62 ng

RT: 9.80 min Scan# 675

Delta R.T. 0.01 min

Lab File: BF091692.D

Acq: 17 Dec 2016 00:13

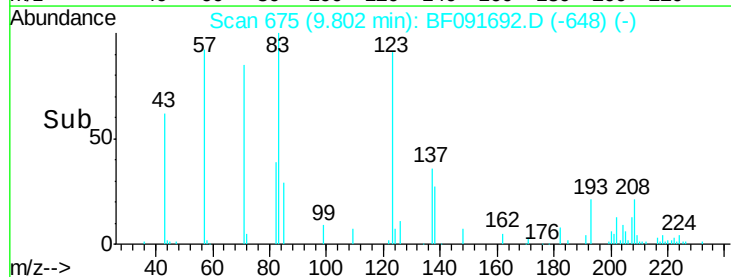
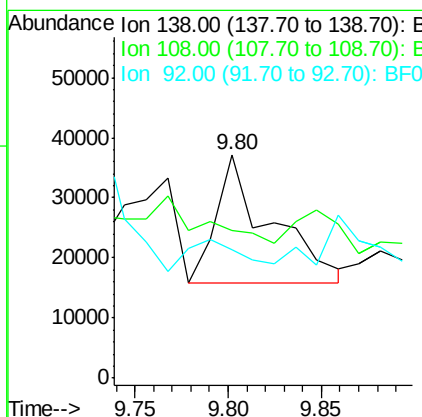
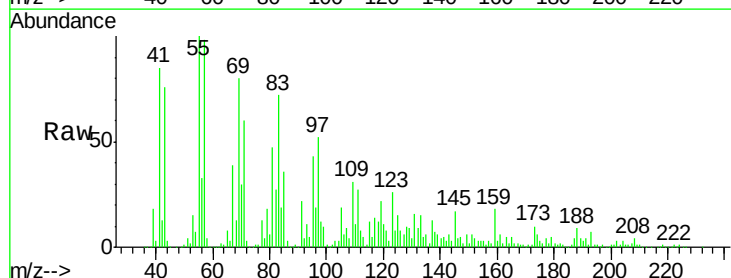
Tgt Ion:138 Resp: 42931

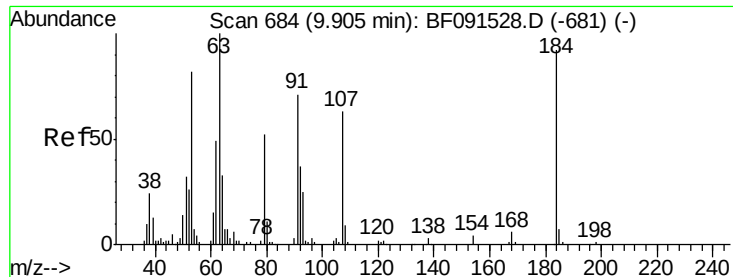
Ion Ratio Lower Upper

138 100

108 66.2 8.1 12.1#

92 57.4 92.5 138.7#

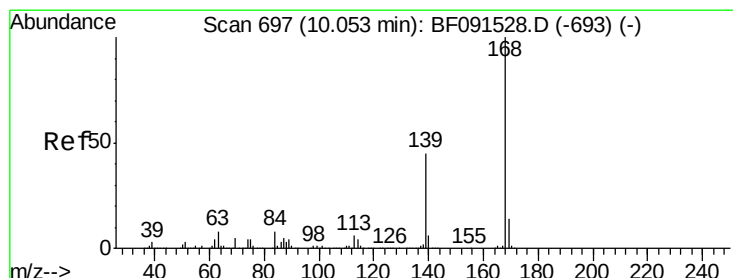
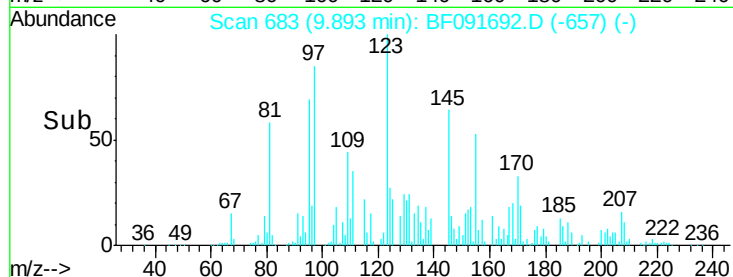
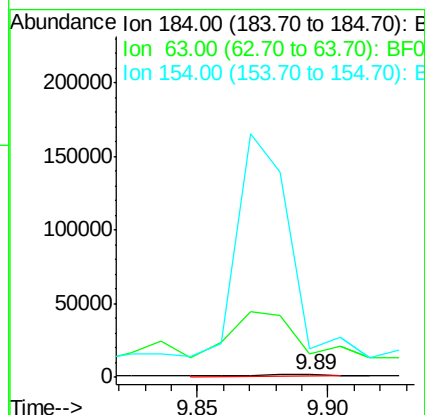
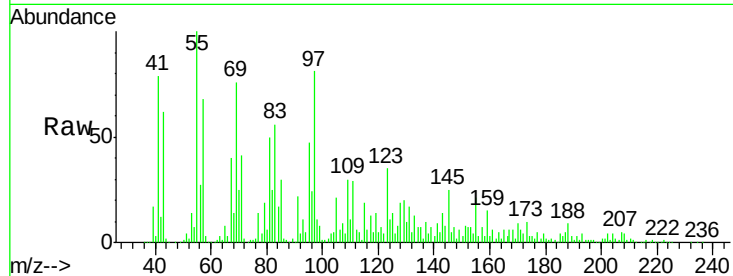




#53
2,4-Dinitrophenol
Concen: 3.27 ng
RT: 9.89 min Scan# 683
Delta R.T. -0.00 min
Lab File: BF091692.D
Acq: 17 Dec 2016 00:13

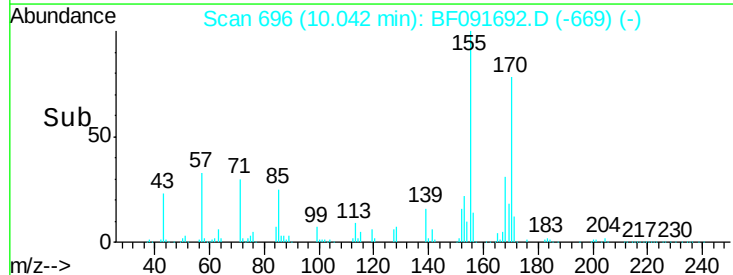
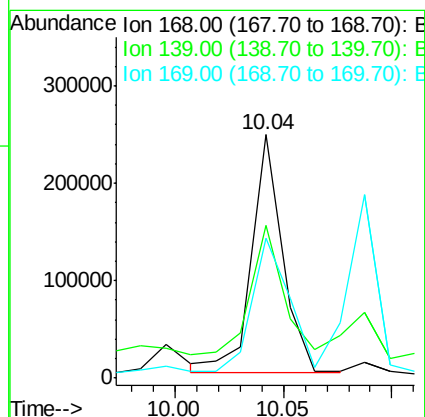
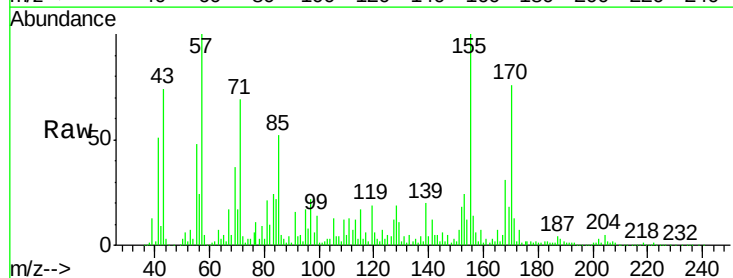
Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16

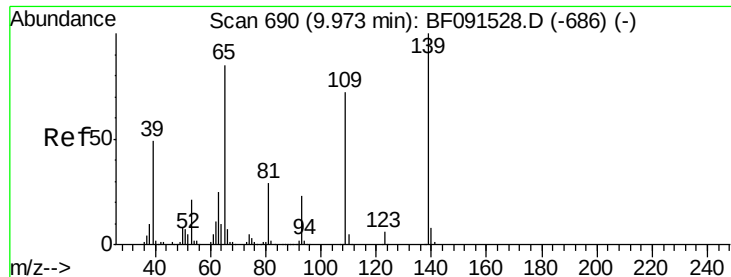
Tgt Ion:184 Resp: 1740
Ion Ratio Lower Upper
184 100
63 977.3 58.3 87.5#
154 1148.6 48.6 73.0#



#54
Dibenzofuran
Concen: 12.09 ng
RT: 10.04 min Scan# 696
Delta R.T. 0.01 min
Lab File: BF091692.D
Acq: 17 Dec 2016 00:13

Tgt Ion:168 Resp: 242817
Ion Ratio Lower Upper
168 100
139 62.6 33.4 50.2#
169 57.7 11.1 16.7#

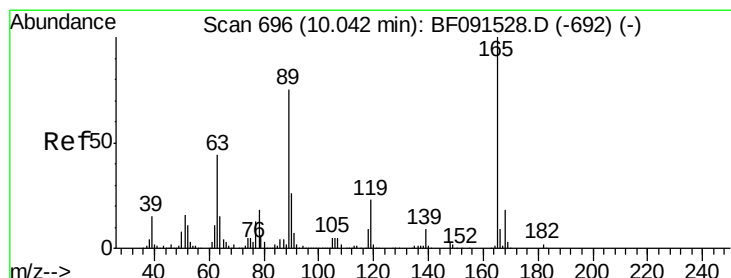
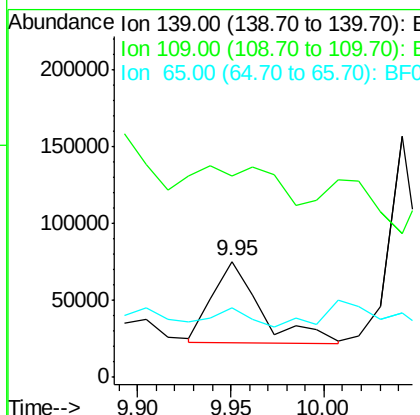
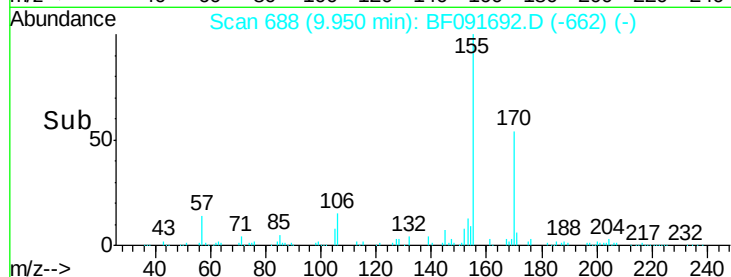
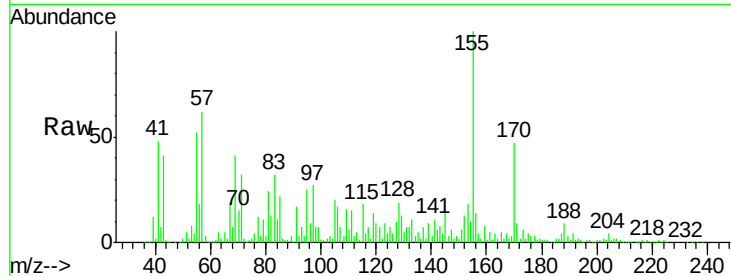




#55
4-Nitrophenol
Concen: 28.96 ng
RT: 9.95 min Scan# 688
Delta R.T. -0.00 min
Lab File: BF091692.D
Acq: 17 Dec 2016 00:13

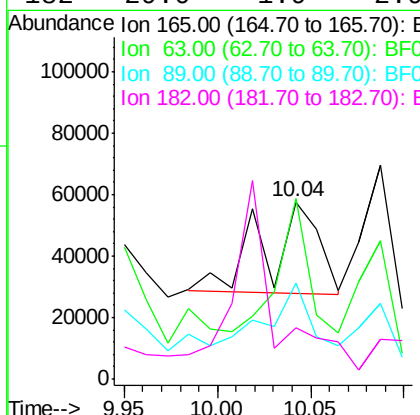
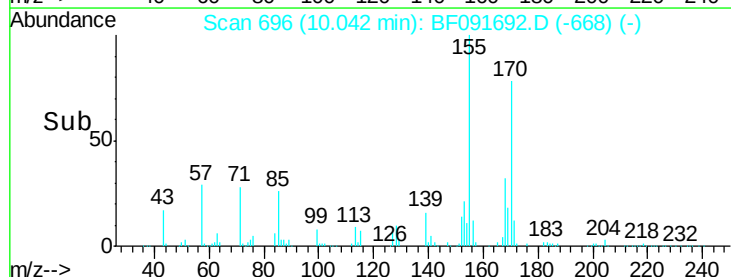
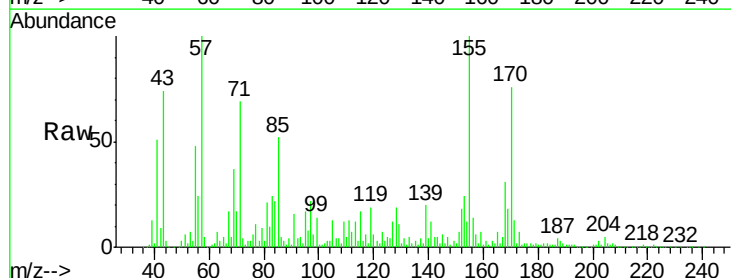
Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16

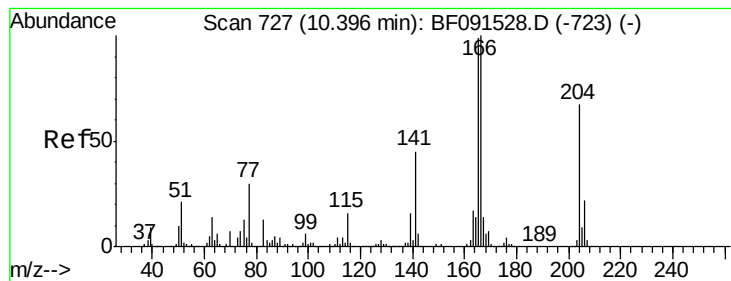
Tgt Ion:139 Resp: 96132
Ion Ratio Lower Upper
139 100
109 173.0 54.9 94.9#
65 60.1 102.2 142.2#



#56
2,4-Dinitrotoluene
Concen: 12.61 ng
RT: 10.04 min Scan# 696
Delta R.T. 0.02 min
Lab File: BF091692.D
Acq: 17 Dec 2016 00:13

Tgt Ion:165 Resp: 60050
Ion Ratio Lower Upper
165 100
63 102.4 29.0 43.4#
89 54.0 43.1 64.7
182 29.0 1.9 2.9#





#57

Fluorene

Concen: 25.70 ng

RT: 10.38 min Scan# 726

Delta R.T. 0.01 min

Lab File: BF091692.D

Acq: 17 Dec 2016 00:13

Instrument :

BNA_F

ClientSampleId :

SB-49(11-13)-12-14-16

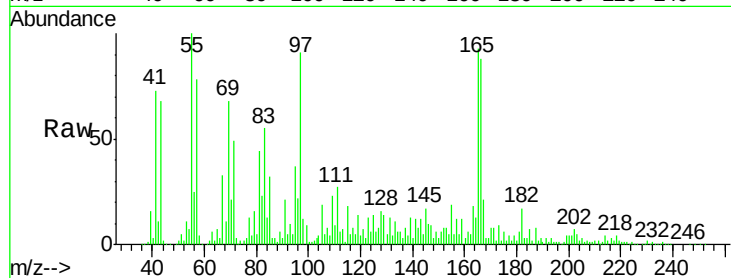
Tgt Ion:166 Resp: 399439

Ion Ratio Lower Upper

166 100

165 106.1 80.0 120.0

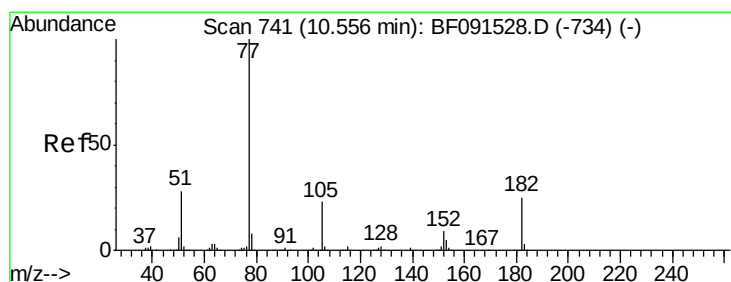
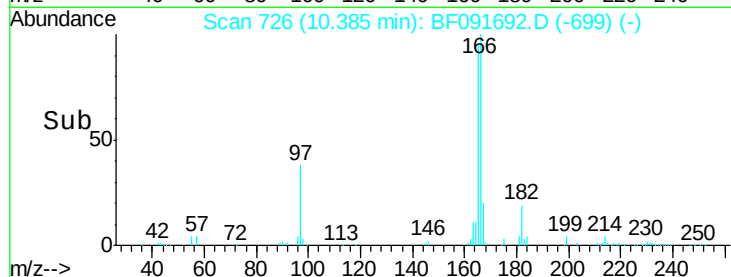
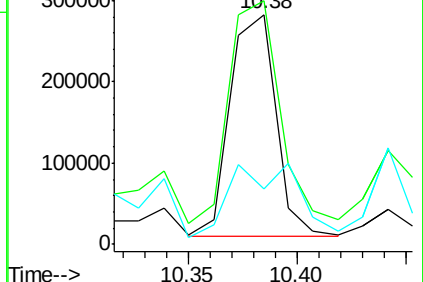
167 24.0 10.8 16.2#



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



#62

Azobenzene

Concen: 3.62 ng

RT: 10.53 min Scan# 739

Delta R.T. -0.00 min

Lab File: BF091692.D

Acq: 17 Dec 2016 00:13

Tgt Ion: 77 Resp: 68434

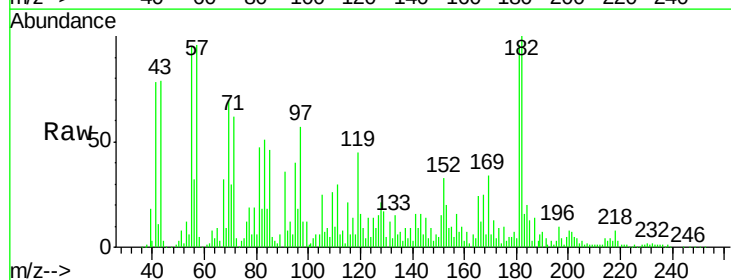
Ion Ratio Lower Upper

77 100

182 513.4 12.5 52.5#

105 126.2 3.7 43.7#

51 41.6 11.9 51.9

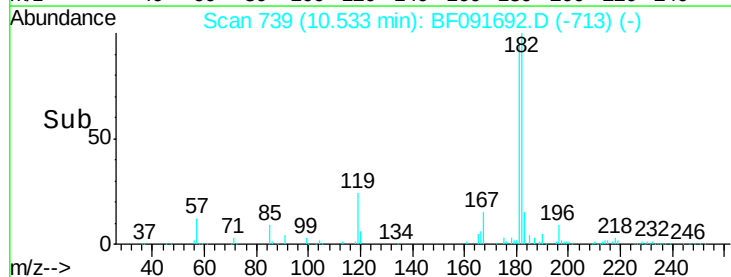
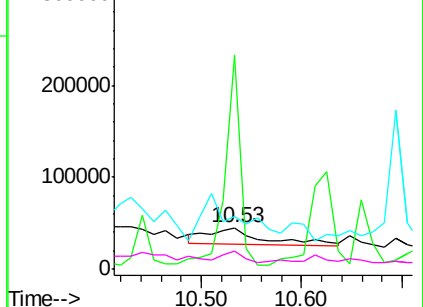


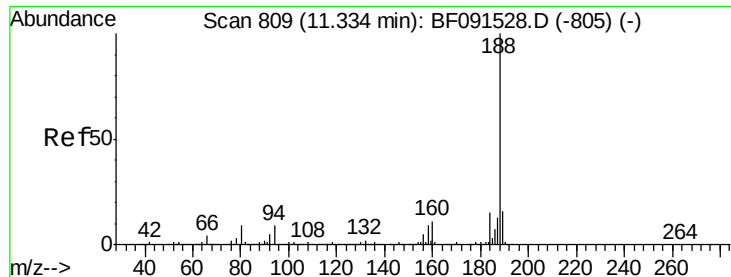
Abundance Ion 77.00 (76.70 to 77.70): BF0

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

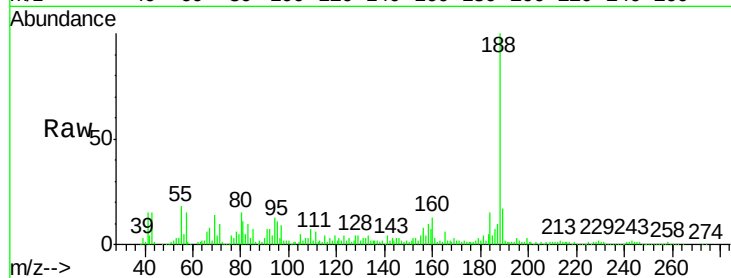




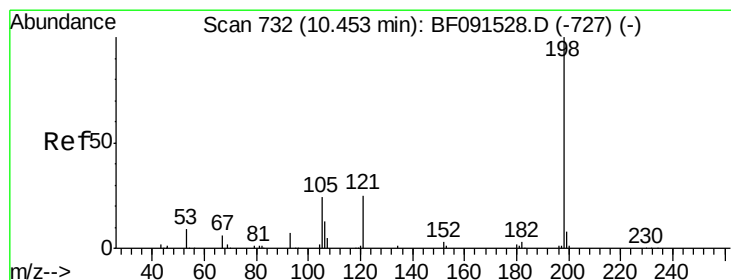
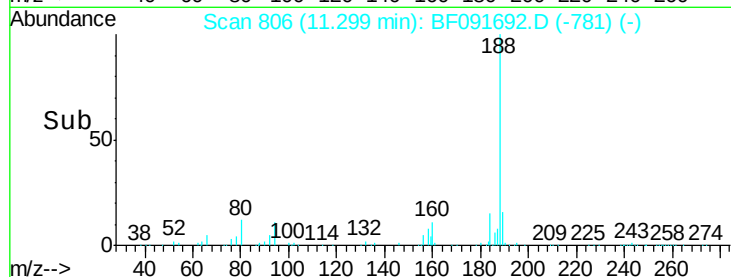
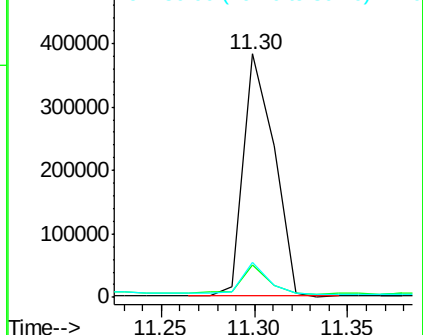
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.30 min Scan# 806
Delta R.T. -0.01 min
Lab File: BF091692.D
Acq: 17 Dec 2016 00:13

Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16

Tgt Ion:188 Resp: 436613
Ion Ratio Lower Upper
188 100
94 13.2 9.2 13.8
80 14.6 10.5 15.7

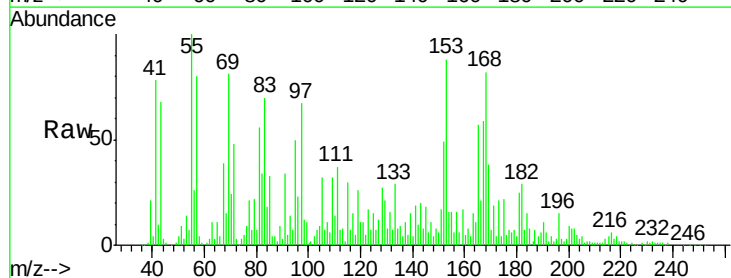


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

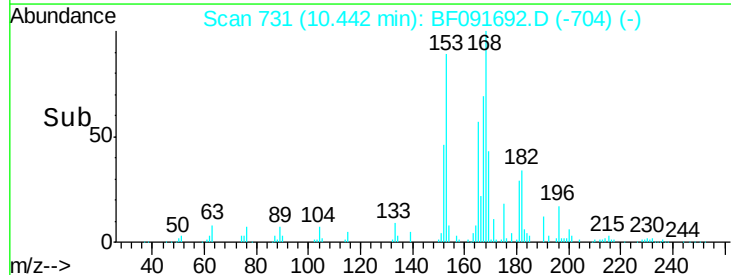
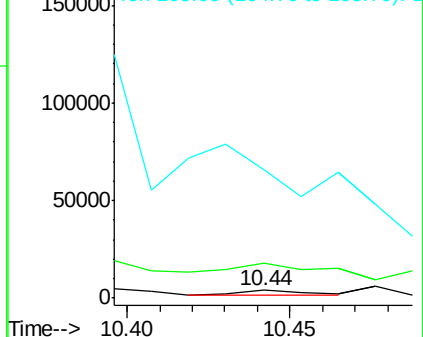


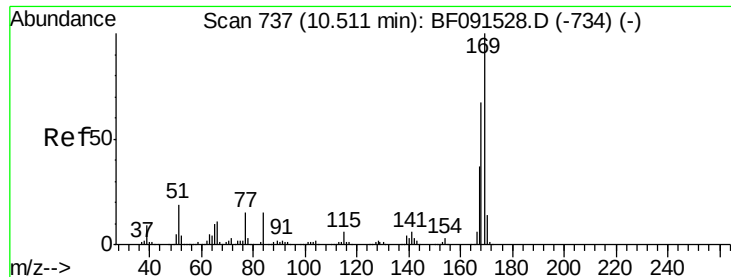
#64
4,6-Dinitro-2-methylphenol
Concen: 4.02 ng
RT: 10.44 min Scan# 731
Delta R.T. 0.01 min
Lab File: BF091692.D
Acq: 17 Dec 2016 00:13

Tgt Ion:198 Resp: 3037
Ion Ratio Lower Upper
198 100
51 447.9 77.1 117.1#
105 1644.0 44.8 84.8#



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: 25.65 ng

RT: 10.49 min Scan# 735

Delta R.T. -0.00 min

Lab File: BF091692.D

Acq: 17 Dec 2016 00:13

Instrument :

BNA_F

ClientSampleId :

SB-49(11-13)-12-14-16

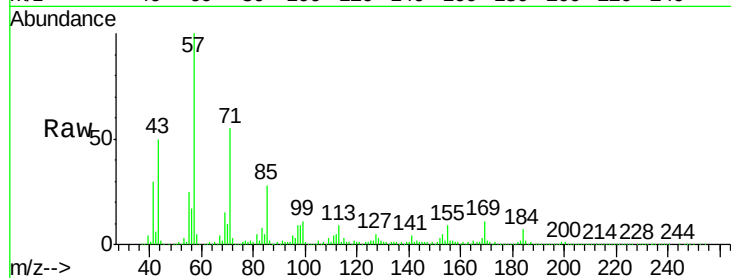
Tgt Ion:169 Resp: 333889

Ion Ratio Lower Upper

169 100

168 24.2 53.8 80.8#

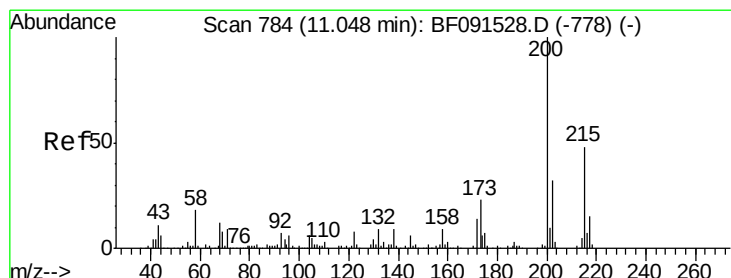
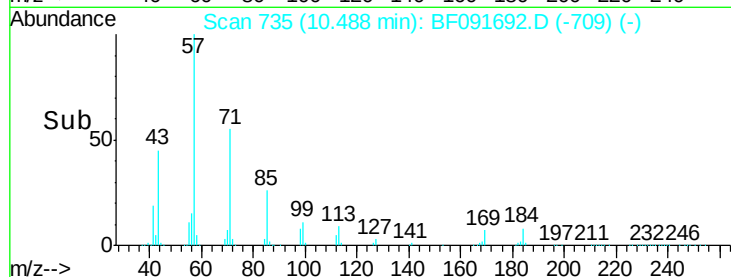
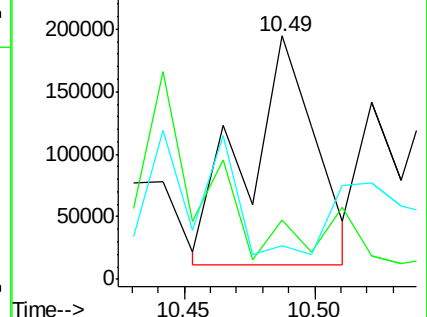
167 13.8 29.8 44.8#



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: 3.54 ng

RT: 11.00 min Scan# 780

Delta R.T. -0.01 min

Lab File: BF091692.D

Acq: 17 Dec 2016 00:13

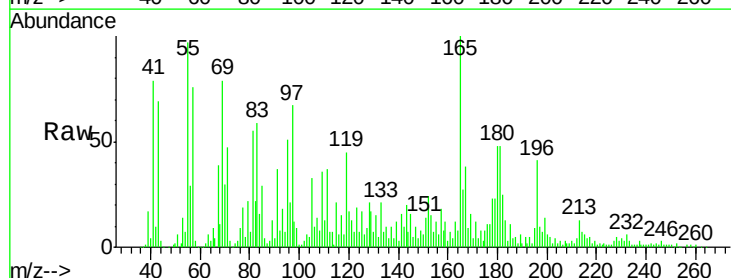
Tgt Ion:200 Resp: 14827

Ion Ratio Lower Upper

200 100

173 133.4 7.8 47.8#

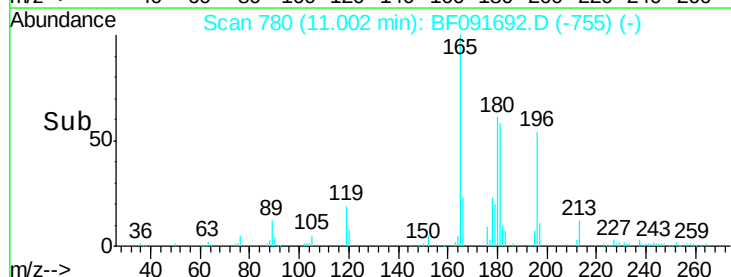
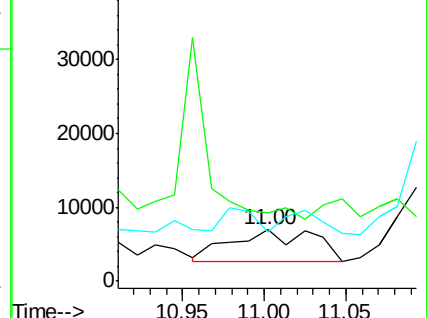
215 95.4 24.3 64.3#

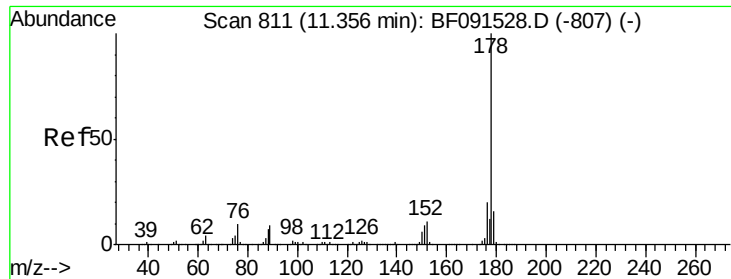


Abundance Ion 200.00 (199.70 to 200.70): E

Ion 173.00 (172.70 to 173.70): E

Ion 215.00 (214.70 to 215.70): E





#70

Phenanthrene

Concen: 87.02 ng

RT: 11.33 min Scan# 809

Delta R.T. -0.00 min

Lab File: BF091692.D

Acq: 17 Dec 2016 00:13

Instrument :

BNA_F

ClientSampleId :

SB-49(11-13)-12-14-16

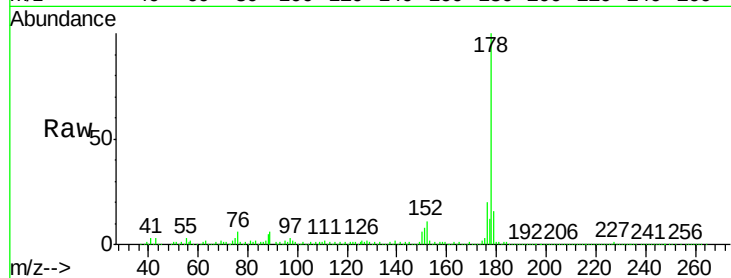
Tgt Ion:178 Resp: 1881457

Ion Ratio Lower Upper

178 100

176 20.0 15.9 23.9

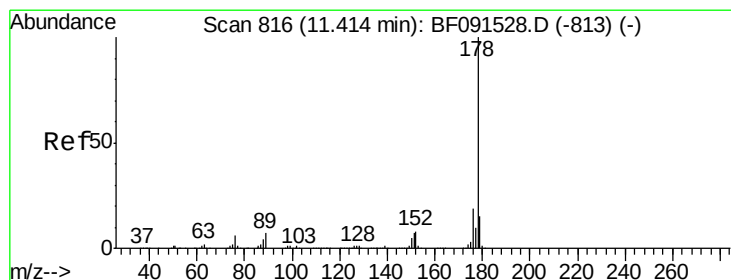
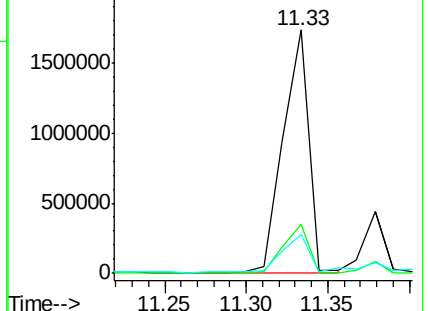
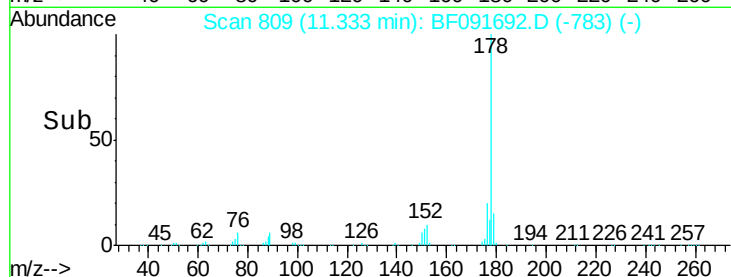
179 16.2 12.6 18.8



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



#71

Anthracene

Concen: 15.33 ng

RT: 11.38 min Scan# 813

Delta R.T. -0.00 min

Lab File: BF091692.D

Acq: 17 Dec 2016 00:13

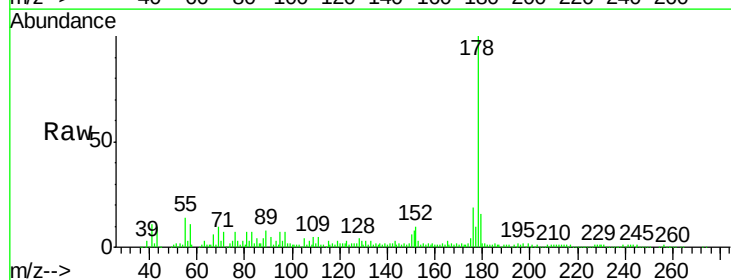
Tgt Ion:178 Resp: 357616

Ion Ratio Lower Upper

178 100

176 19.1 15.8 23.6

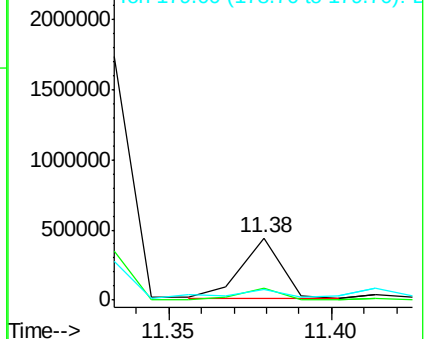
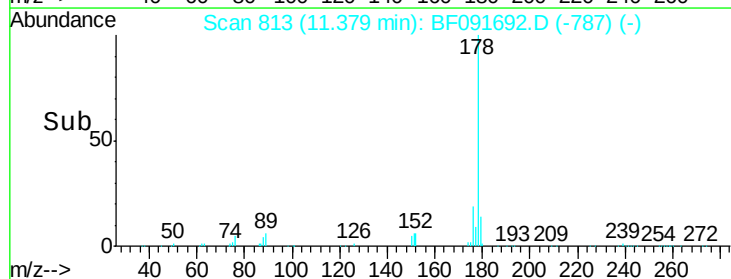
179 16.3 12.7 19.1

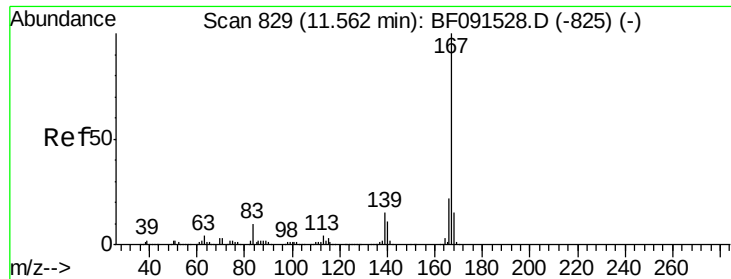


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 4.74 ng

RT: 11.53 min Scan# 826

Delta R.T. -0.01 min

Lab File: BF091692.D

Acq: 17 Dec 2016 00:13

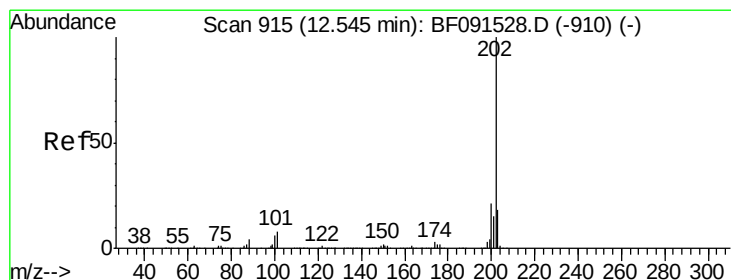
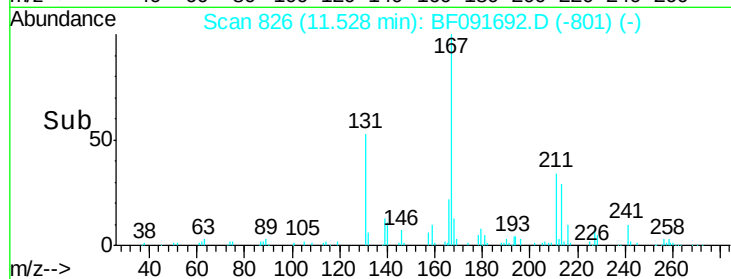
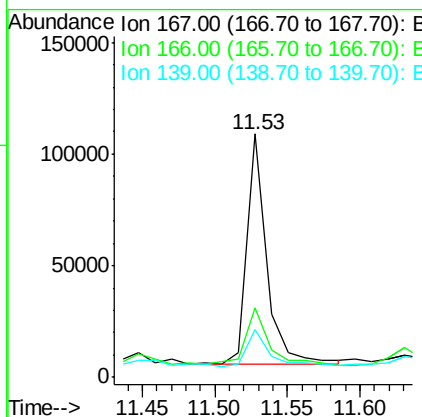
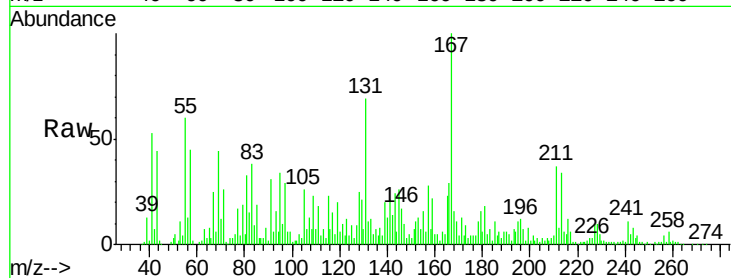
Instrument :

BNA_F

ClientSampleId :

SB-49(11-13)-12-14-16

Tgt Ion:	167	Resp:	96957
Ion Ratio	Lower	Upper	
167	100		
166	28.7	18.1	27.1#
139	19.7	11.5	17.3#



#74

Fluoranthene

Concen: 51.79 ng

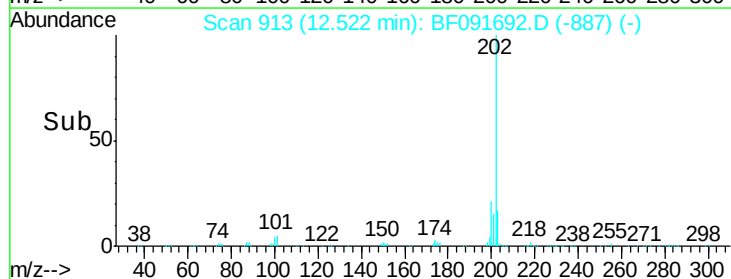
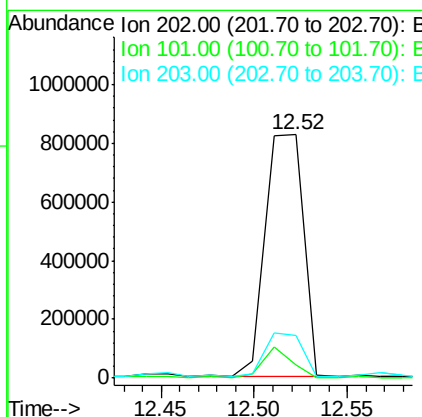
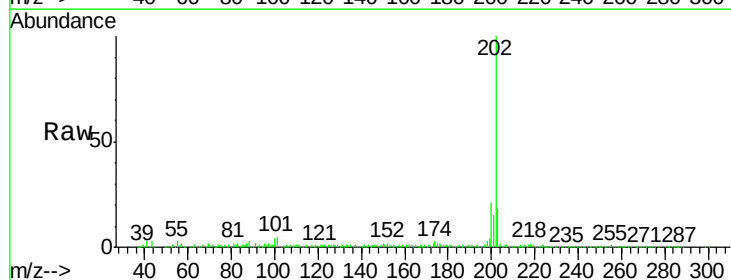
RT: 12.52 min Scan# 913

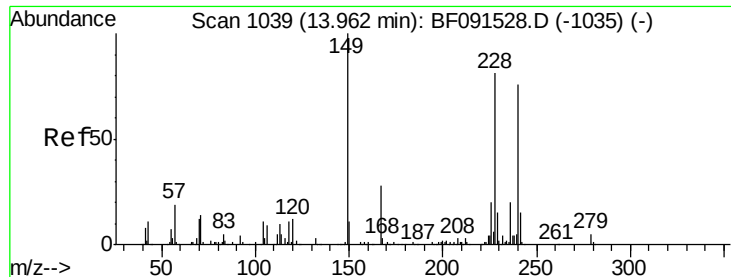
Delta R.T. -0.00 min

Lab File: BF091692.D

Acq: 17 Dec 2016 00:13

Tgt Ion:	202	Resp:	1172492
Ion Ratio	Lower	Upper	
202	100		
101	5.3	0.0	29.5
203	17.8	0.0	37.8





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.93 min Scan# 1036

Delta R.T. -0.01 min

Lab File: BF091692.D

Acq: 17 Dec 2016 00:13

Instrument :

BNA_F

ClientSampleId :

SB-49(11-13)-12-14-16

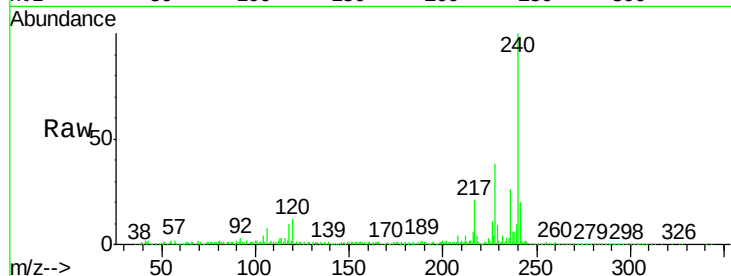
Tgt Ion:240 Resp: 485219

Ion Ratio Lower Upper

240 100

120 11.5 12.1 18.1#

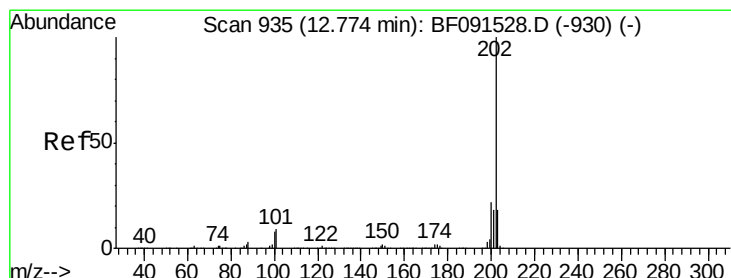
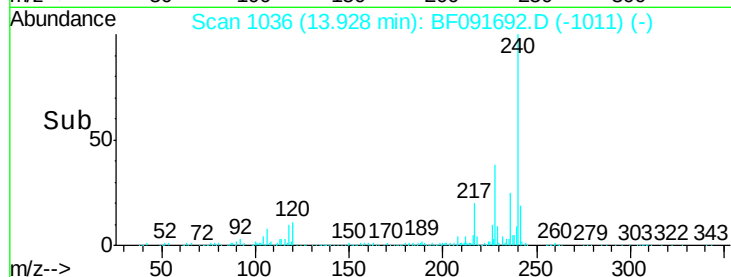
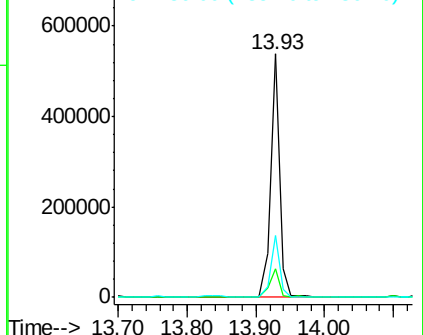
236 25.5 21.0 31.6



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: 28.64 ng

RT: 12.74 min Scan# 932

Delta R.T. -0.00 min

Lab File: BF091692.D

Acq: 17 Dec 2016 00:13

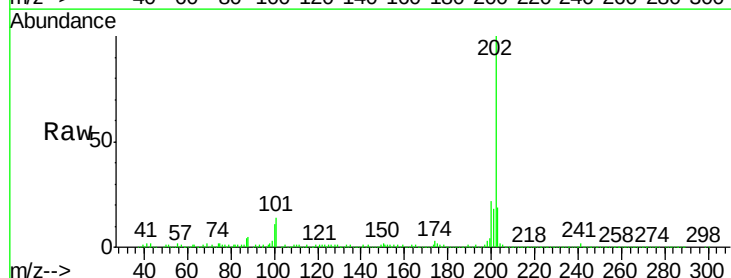
Tgt Ion:202 Resp: 1102633

Ion Ratio Lower Upper

202 100

200 21.8 17.6 26.4

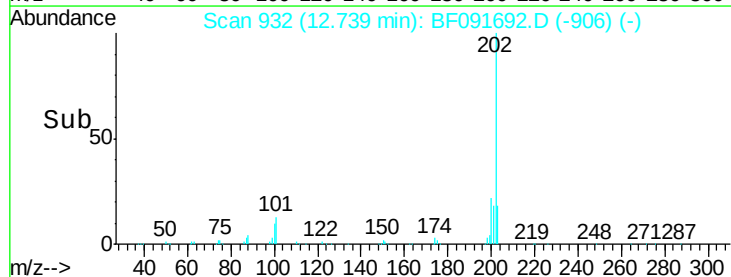
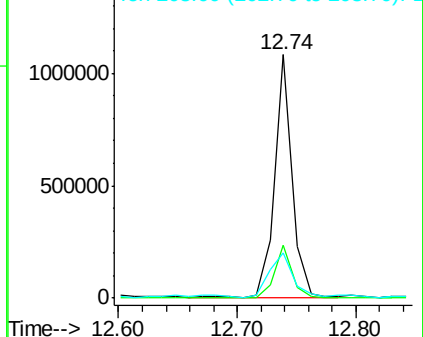
203 18.7 14.0 21.0

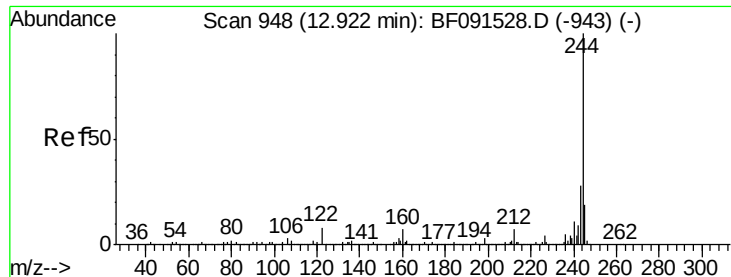


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

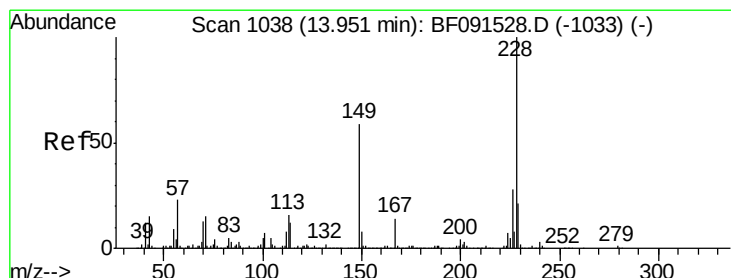
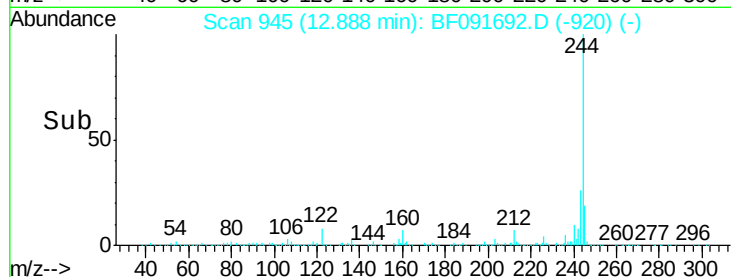
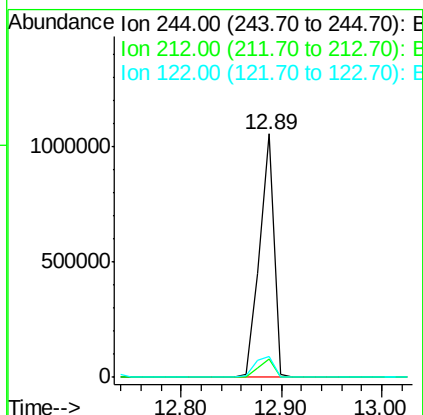
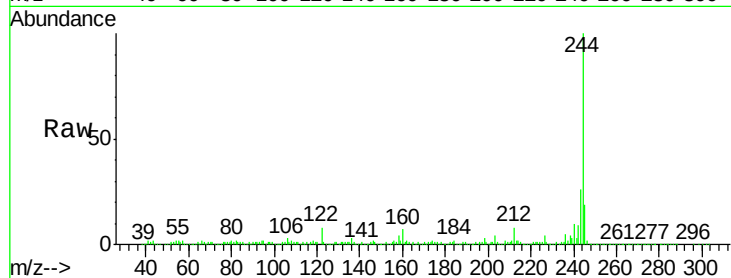




#78
 Terphenyl-d14
 Concen: 49.48 ng
 RT: 12.89 min Scan# 945
 Delta R.T. -0.01 min
 Lab File: BF091692.D
 Acq: 17 Dec 2016 00:13

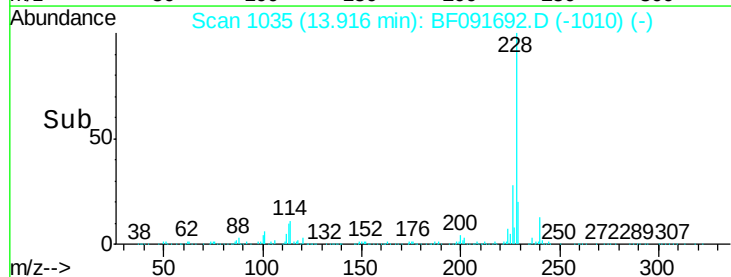
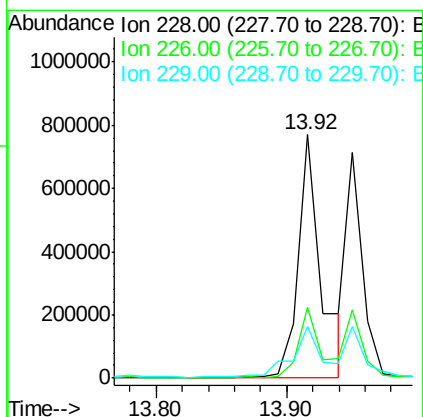
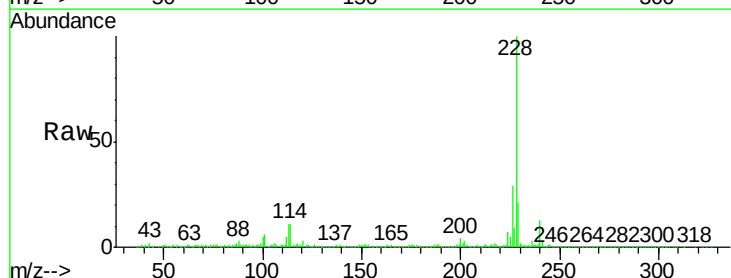
Instrument :
 BNA_F
 ClientSampleId :
 SB-49(11-13)-12-14-16

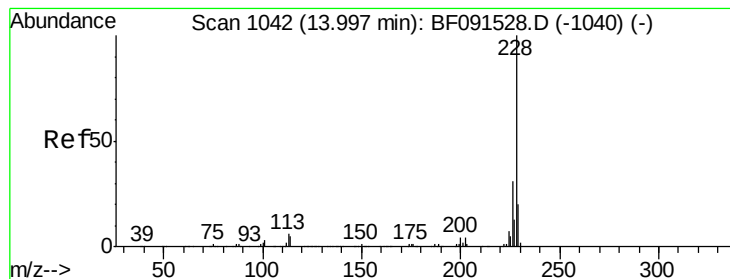
Tgt Ion:244 Resp: 1058111
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.5 9.7
 122 8.3 9.5 14.3#



#80
 Benzo(a)anthracene
 Concen: 33.39 ng
 RT: 13.92 min Scan# 1035
 Delta R.T. -0.01 min
 Lab File: BF091692.D
 Acq: 17 Dec 2016 00:13

Tgt Ion:228 Resp: 940853
 Ion Ratio Lower Upper
 228 100
 226 29.0 22.5 33.7
 229 21.2 16.4 24.6





#82

Chrysene

Concen: 21.02 ng

RT: 13.95 min Scan# 1038

Delta R.T. -0.01 min

Lab File: BF091692.D

Acq: 17 Dec 2016 00:13

Instrument :

BNA_F

ClientSampleId :

SB-49(11-13)-12-14-16

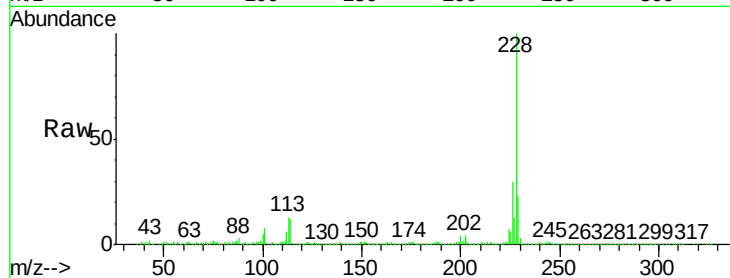
Tgt Ion:228 Resp: 619584

Ion Ratio Lower Upper

228 100

226 30.4 25.0 37.4

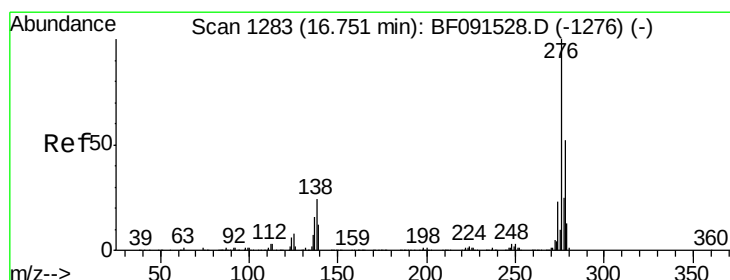
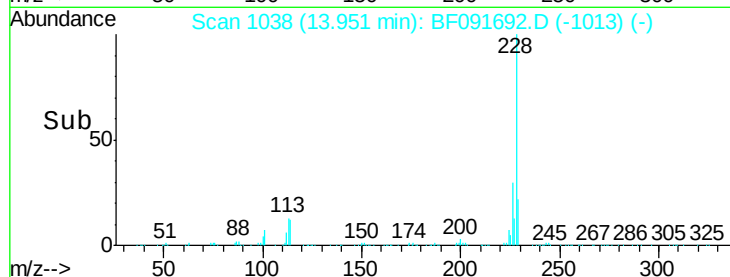
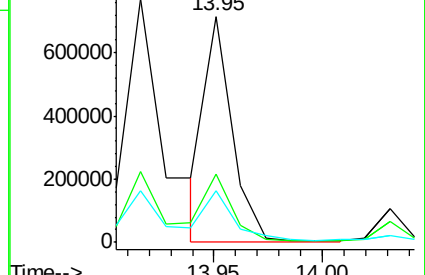
229 22.9 16.0 24.0



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 10.64 ng

RT: 16.67 min Scan# 1276

Delta R.T. -0.03 min

Lab File: BF091692.D

Acq: 17 Dec 2016 00:13

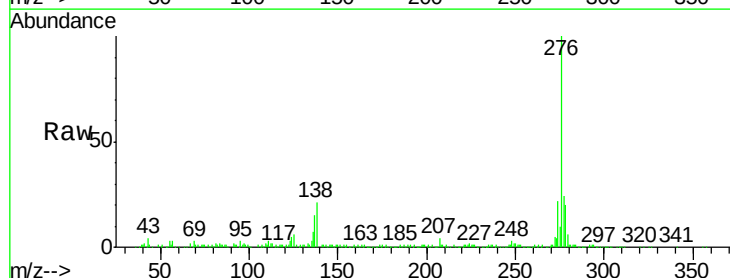
Tgt Ion:276 Resp: 282225

Ion Ratio Lower Upper

276 100

138 26.3 21.0 31.4

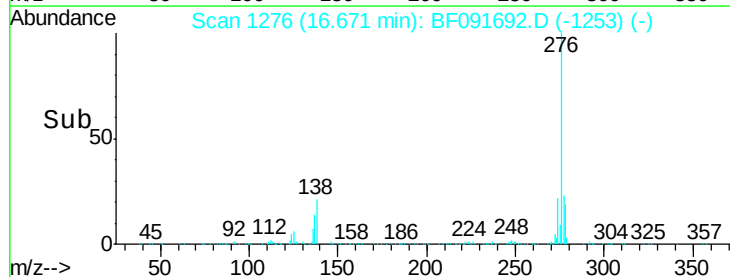
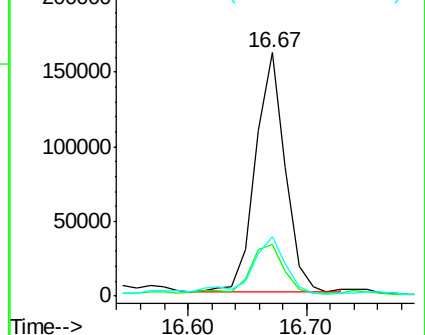
277 30.1 20.2 30.2

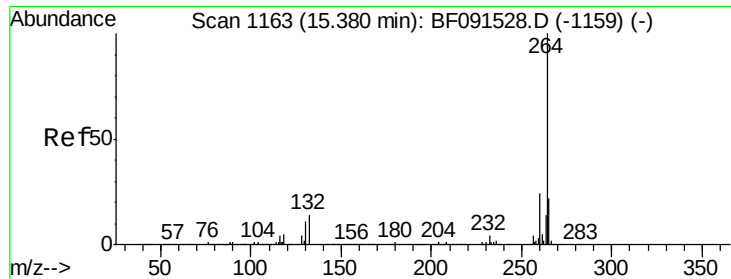


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

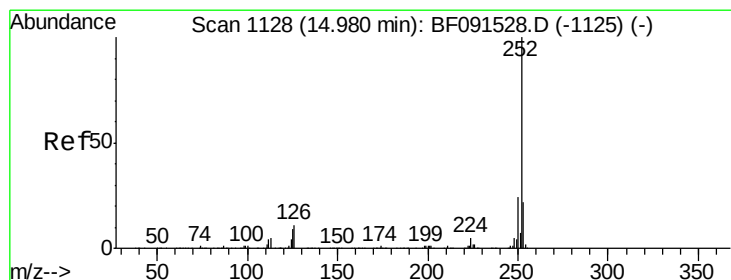
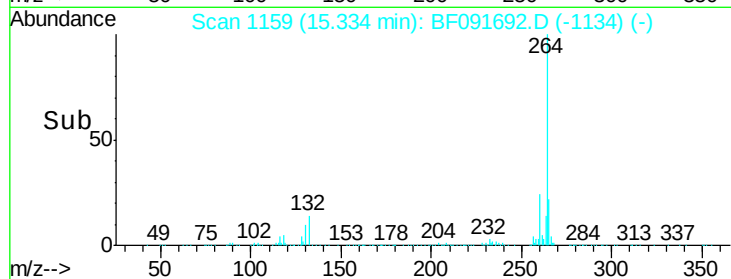
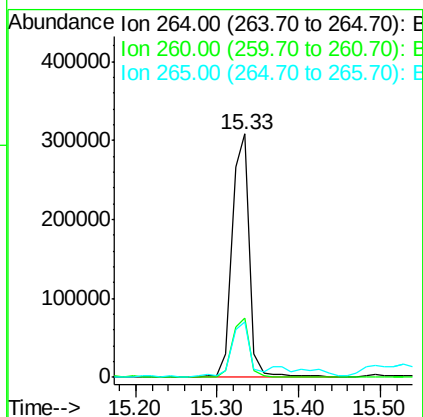
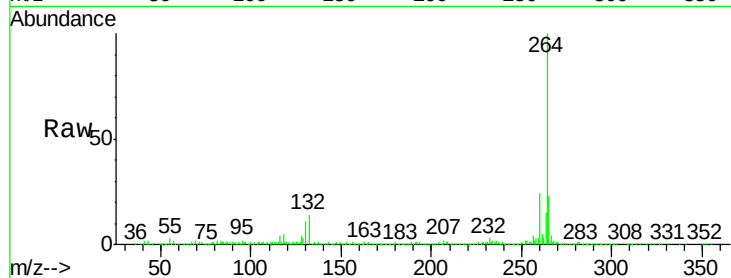




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.33 min Scan# 1159
Delta R.T. -0.01 min
Lab File: BF091692.D
Acq: 17 Dec 2016 00:13

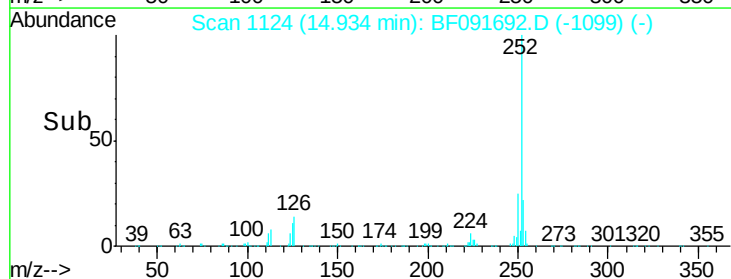
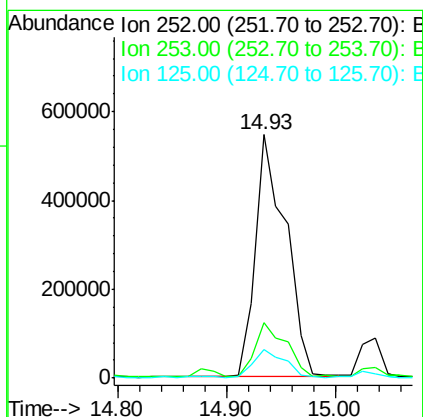
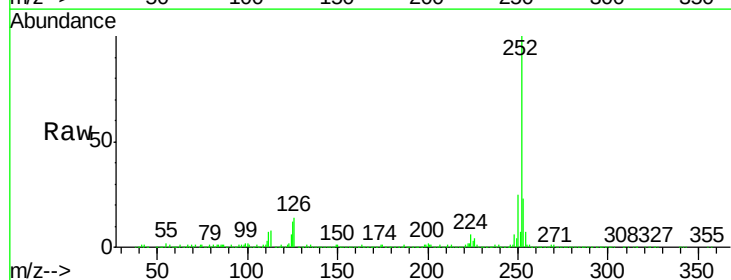
Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16

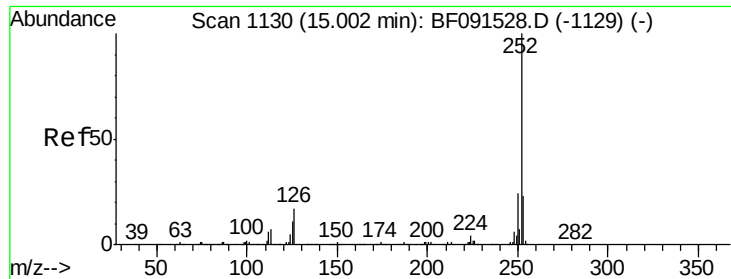
Tgt Ion: 264 Resp: 450545
Ion Ratio Lower Upper
264 100
260 24.2 18.8 28.2
265 22.5 17.0 25.6



#87
Benzo(b)fluoranthene
Concen: 39.67 ng
RT: 14.93 min Scan# 1124
Delta R.T. -0.01 min
Lab File: BF091692.D
Acq: 17 Dec 2016 00:13

Tgt Ion: 252 Resp: 1065424
Ion Ratio Lower Upper
252 100
253 22.8 18.2 27.2
125 11.9 8.6 13.0

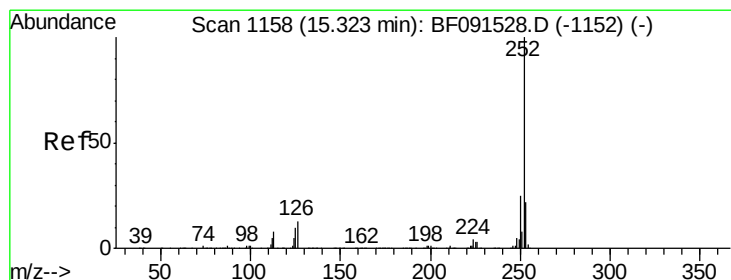
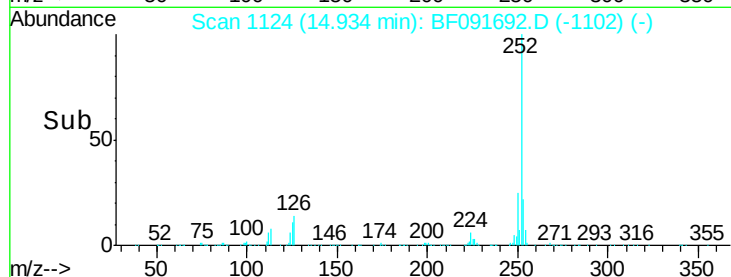
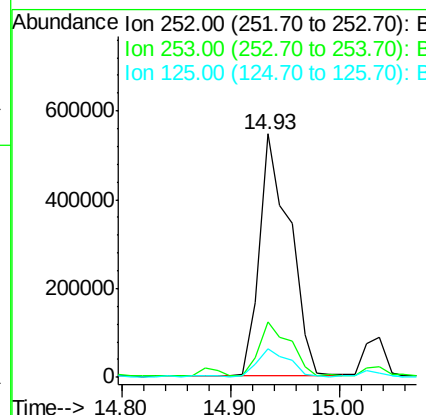
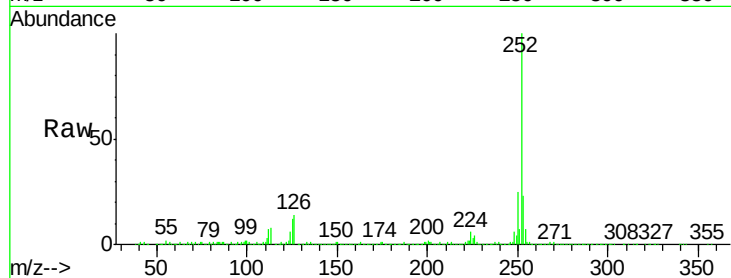




#88
Benzo(k)fluoranthene
Concen: 45.12 ng
RT: 14.93 min Scan# 1124
Delta R.T. -0.05 min
Lab File: BF091692.D
Acq: 17 Dec 2016 00:13

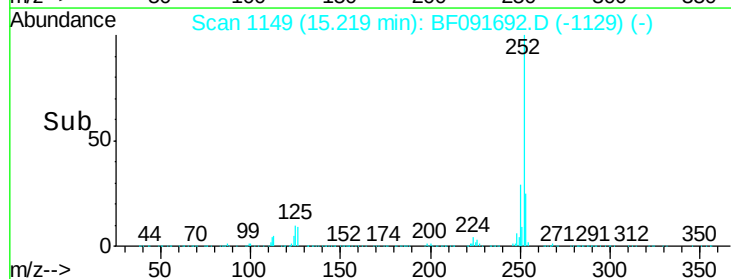
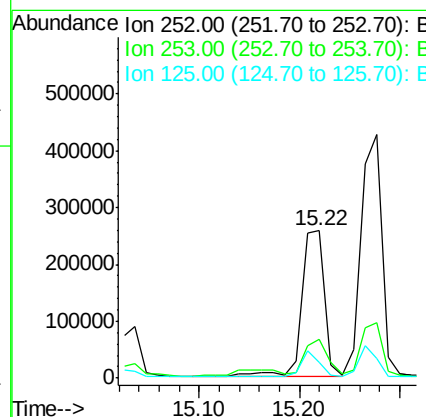
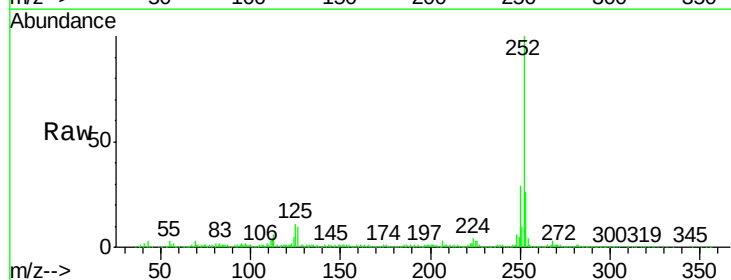
Instrument :
BNA_F
ClientSampleId :
SB-49(11-13)-12-14-16

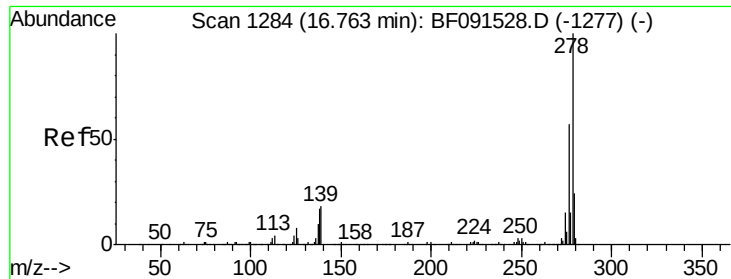
Tgt Ion:252 Resp: 1065424
Ion Ratio Lower Upper
252 100
253 22.8 17.8 26.8
125 11.9 9.6 14.4



#89
Benzo(a)pyrene
Concen: 16.78 ng
RT: 15.22 min Scan# 1149
Delta R.T. -0.07 min
Lab File: BF091692.D
Acq: 17 Dec 2016 00:13

Tgt Ion:252 Resp: 405960
Ion Ratio Lower Upper
252 100
253 26.3 18.2 27.4
125 11.0 10.4 15.6





#90

Dibenzo(a,h)anthracene

Concen: 3.29 ng

RT: 16.68 min Scan# 1277

Delta R.T. -0.03 min

Lab File: BF091692.D

Acq: 17 Dec 2016 00:13

Instrument :

BNA_F

ClientSampleId :

SB-49(11-13)-12-14-16

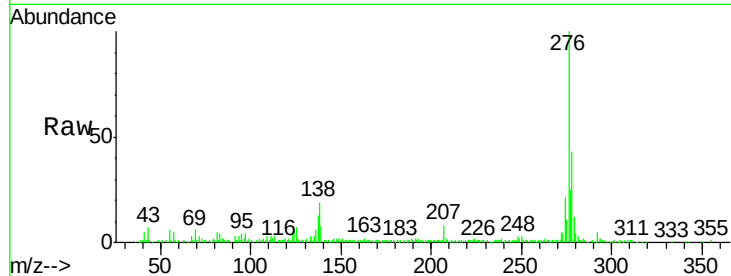
Tgt Ion:278 Resp: 71231

Ion Ratio Lower Upper

278 100

139 17.7 15.1 22.7

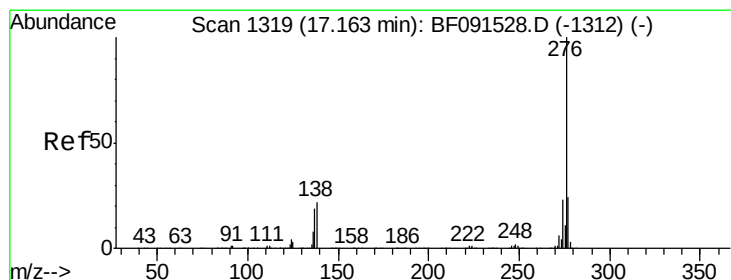
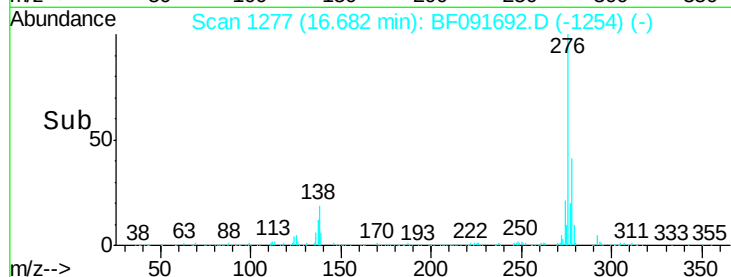
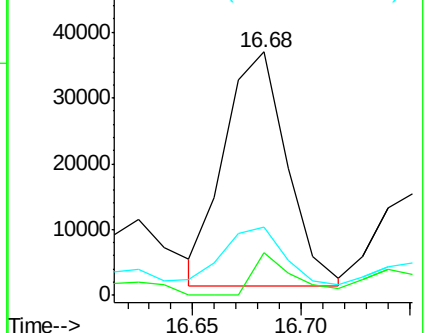
279 27.9 19.0 28.6



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: 12.08 ng

RT: 17.07 min Scan# 1311

Delta R.T. -0.05 min

Lab File: BF091692.D

Acq: 17 Dec 2016 00:13

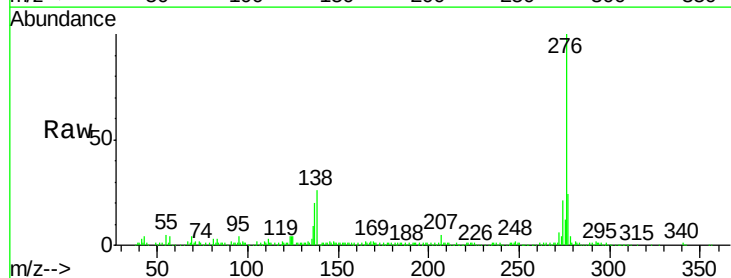
Tgt Ion:276 Resp: 266382

Ion Ratio Lower Upper

276 100

277 24.1 19.0 28.4

138 25.7 15.4 23.0#



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

