

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\
 Data File : BF099011.D
 Acq On : 2 Oct 2017 20:33
 Operator : SJ/JU
 Sample : I5531-17
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 03 01:02:11 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	134911	20.00	ng	-0.02
21) Naphthalene-d8	8.19	136	511757	20.00	ng	-0.02
38) Acenaphthene-d10	9.95	164	201025	20.00	ng	-0.02
63) Phenanthrene-d10	11.43	188	289743	20.00	ng	-0.01
75) Chrysene-d12	14.07	240	247457	20.00	ng	-0.01
86) Perylene-d12	15.57	264	256983	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	851952	100.53	ng	-0.01
7) Phenol-d6	6.53	99	1040453	99.52	ng	-0.01
23) Nitrobenzene-d5	7.46	82	631043	79.08	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	128564	78.16	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	1057539	87.82	ng	-0.02
78) Terphenyl-d14	13.02	244	697970	64.15	ng	-0.02

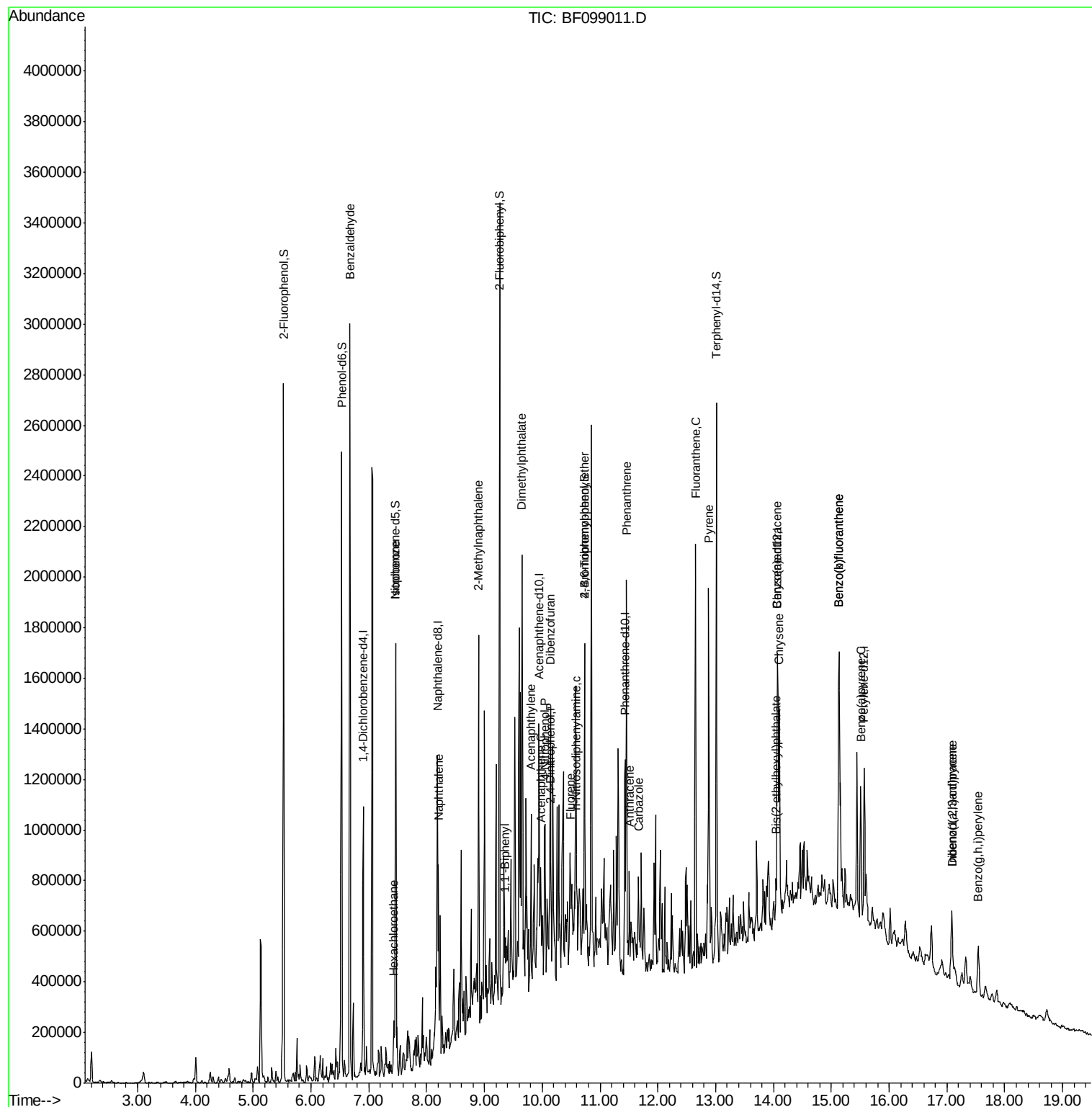
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.67	77	18410	3.04	ng	91
18) Hexachloroethane	7.43	117	9769	2.66	ng	# 1
25) Isophorone	7.46	82	629538	38.16	ng	# 65
31) Naphthalene	8.20	128	250462	10.42	ng	98
37) 2-Methylnaphthalene	8.90	142	423041	27.07	ng	97
45) 1,1'-Biphenyl	9.36	154	50143	2.90	ng	97
48) Acenaphthylene	9.80	152	89835	4.52	ng	# 91
49) Dimethylphthalate	9.65	163	173435	11.43	ng	# 97
51) Acenaphthene	9.97	154	28818	2.29	ng	# 82
53) 2,4-Dinitrophenol	10.13	184	643	6.17	ng	# 1
54) Dibenzofuran	10.15	168	131999	7.88	ng	# 82
55) 4-Nitrophenol	10.04	139	14442	4.43	ng	# 58
57) Fluorene	10.49	166	48014	3.57	ng	# 92
65) n-Nitrosodiphenylamine	10.60	169	58730	5.85	ng	# 43
66) 4-Bromophenyl-phenylether	10.73	248	9034	3.19	ng	# 1
70) Phenanthrene	11.46	178	555134	35.79	ng	99
71) Anthracene	11.50	178	144273	9.09	ng	99
72) Carbazole	11.66	167	41371	2.66	ng	# 85
74) Fluoranthene	12.65	202	655932	41.77	ng	98
77) Pvrene	12.88	202	550261	29.16	ng	99
80) Benzo(a)anthracene	14.06	228	326343	21.78	ng	95
82) Chrysene	14.10	228	370418	25.97	ng	98
83) Bis(2-ethylhexyl)phthalate	14.04	149	30356	2.49	ng	96
85) Indeno(1,2,3-cd)pyrene	17.08	276	183646	16.09	ng	98
87) Benzo(b)fluoranthene	15.13	252	757292	47.93	ng	# 96
88) Benzo(k)fluoranthene	15.13	252	757292	48.53	ng	97
89) Benzo(a)pyrene	15.51	252	229990	15.86	ng	# 94
90) Dibenzo(a,h)anthracene	17.09	278	51496	4.44	ng	# 82
91) Benzo(g,h,i)perylene	17.54	276	147047	12.82	ng	95

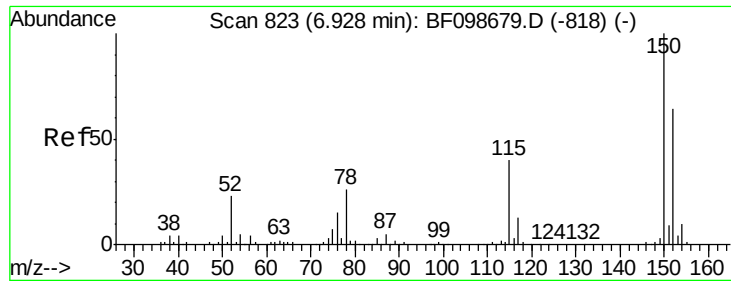
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100217\
Data File : BF099011.D
Acq On : 2 Oct 2017 20:33
Operator : SJ/JU
Sample : I5531-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Oct 03 01:02:11 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 23 13:50:58 2017
Response via : Initial Calibration



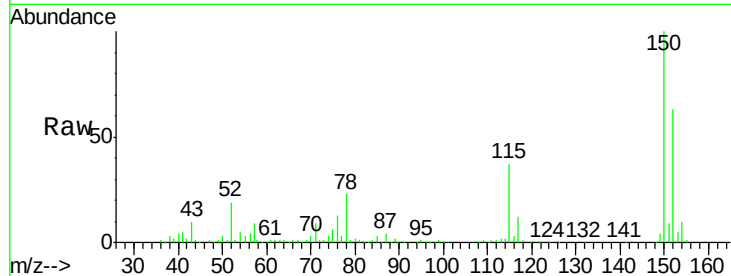


#1

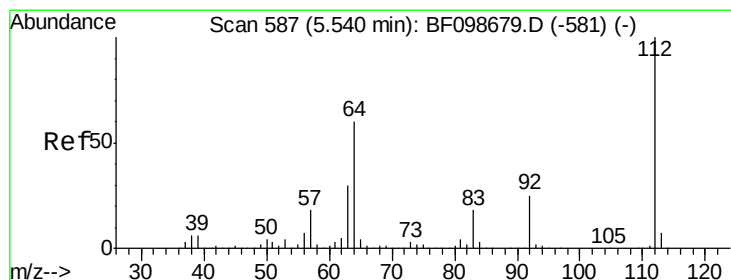
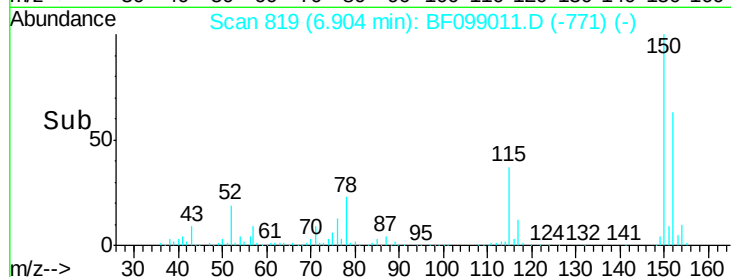
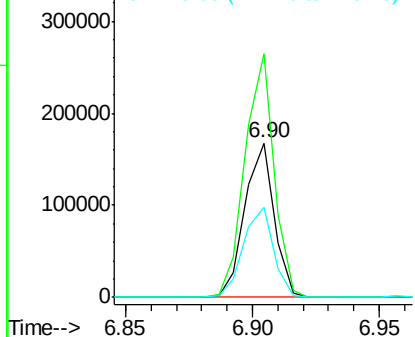
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.90 min Scan# 819
Delta R.T. -0.02 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 134911
Ion Ratio Lower Upper
152 100
150 158.0 124.6 186.8
115 58.5 50.1 75.1



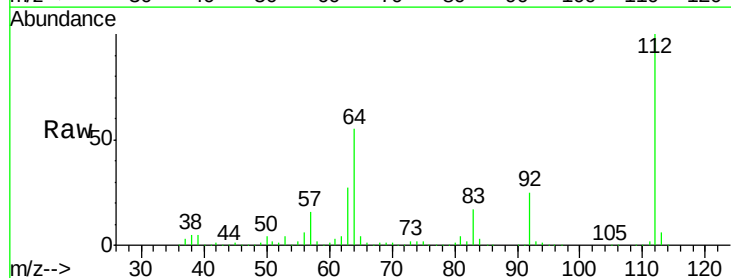
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



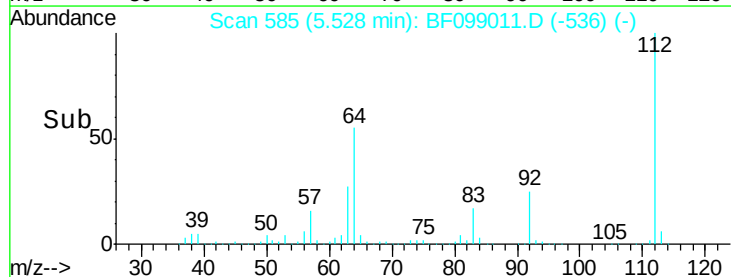
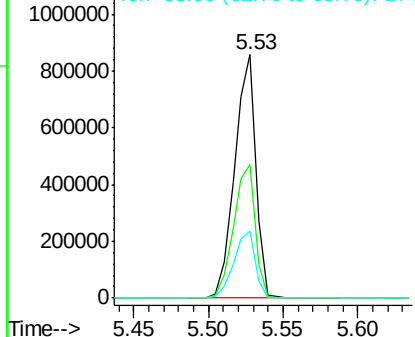
#5

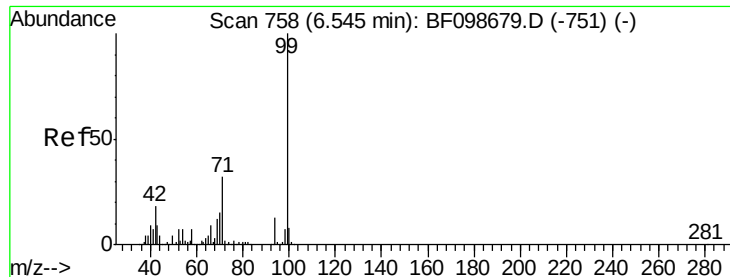
2-Fluorophenol
Concen: 100.53 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Tgt Ion:112 Resp: 851952
Ion Ratio Lower Upper
112 100
64 55.0 47.9 71.9
63 27.5 23.7 35.5



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: 99.52 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF099011.D

Acq: 2 Oct 2017 20:33

Instrument :

BNA_F

ClientSampleId :

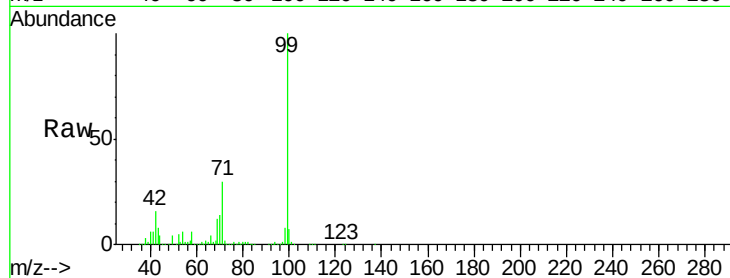
Tot Ion: 99 Resp: 1040453

Ion Ratio Lower Upper

99 100

42 15.6 14.5 21.7

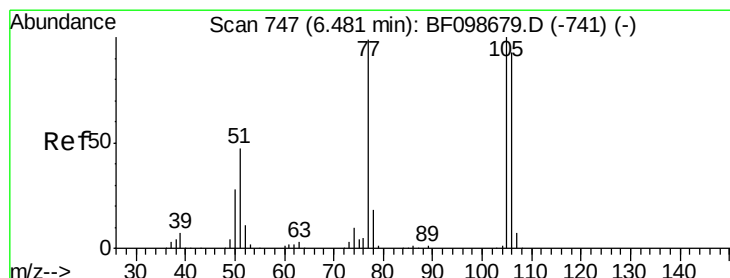
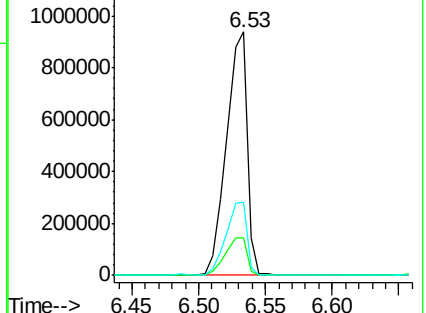
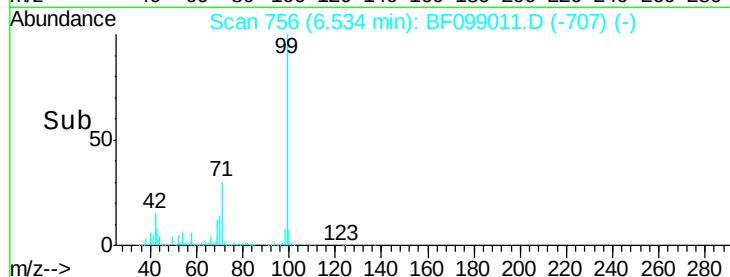
71 30.2 25.4 38.0



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: 3.04 ng

RT: 6.67 min Scan# 780

Delta R.T. 0.20 min

Lab File: BF099011.D

Acq: 2 Oct 2017 20:33

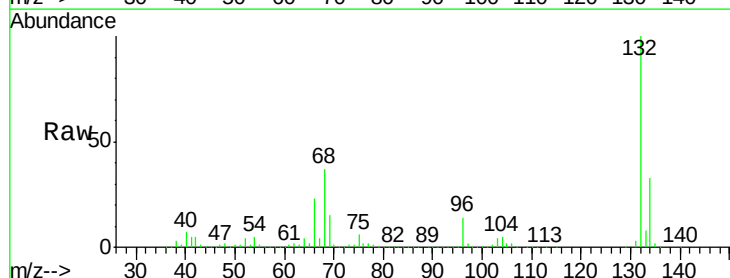
Tgt Ion: 77 Resp: 18410

Ion Ratio Lower Upper

77 100

105 91.7 81.1 121.1

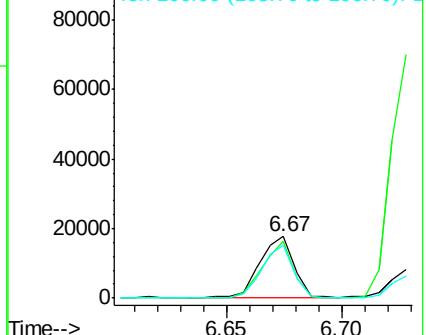
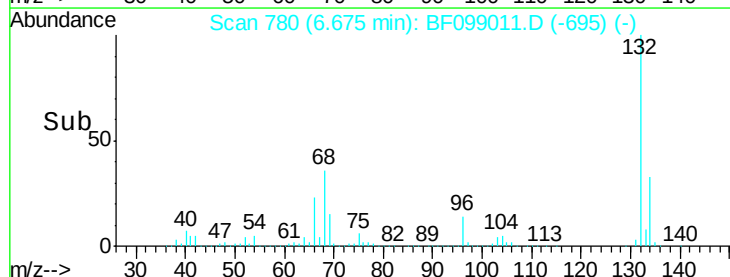
106 85.4 74.5 114.5

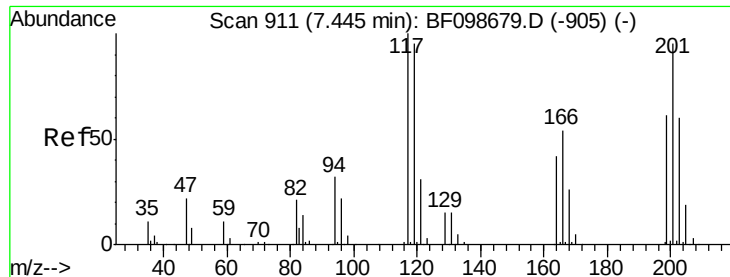


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

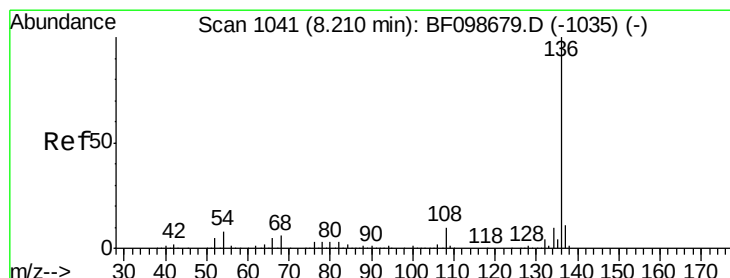
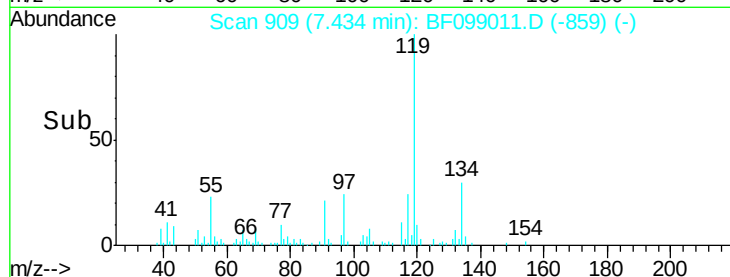
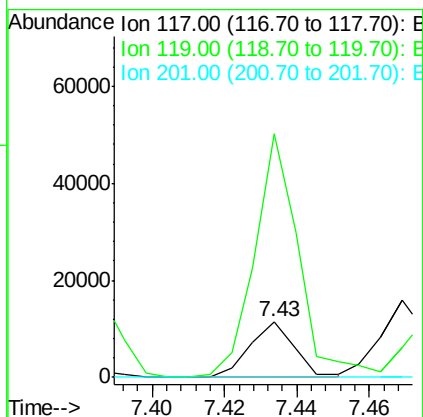
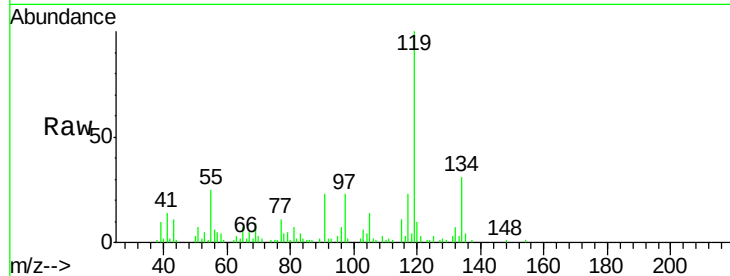




#18
Hexachloroethane
Concen: 2.66 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

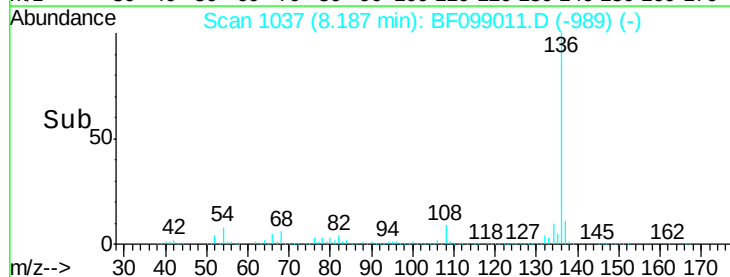
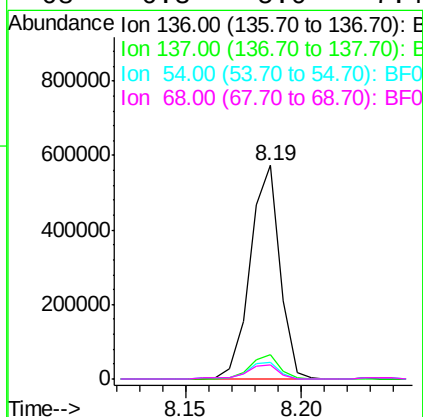
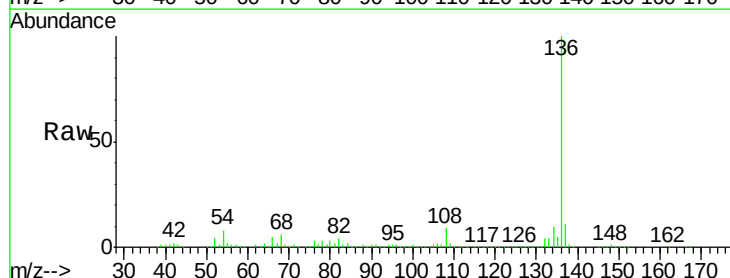
Instrument :
BNA_F
ClientSampleId :

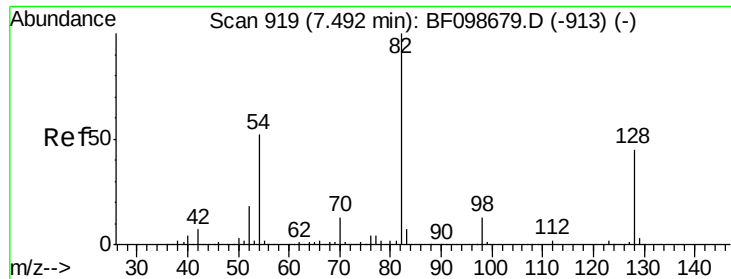
Tot Ion:117 Resp: 9769
Ion Ratio Lower Upper
117 100
119 436.5 75.8 113.8#
201 0.0 75.7 113.5#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 1037
Delta R.T. -0.02 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Tgt Ion:136 Resp: 511757
Ion Ratio Lower Upper
136 100
137 11.3 8.9 13.3
54 7.7 6.6 9.8
68 6.3 5.0 7.4

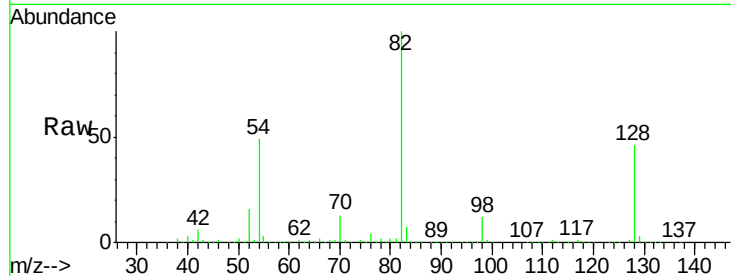




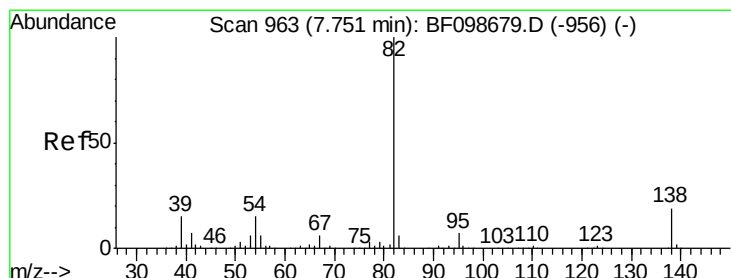
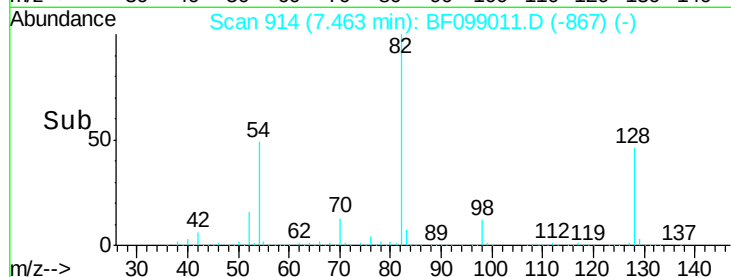
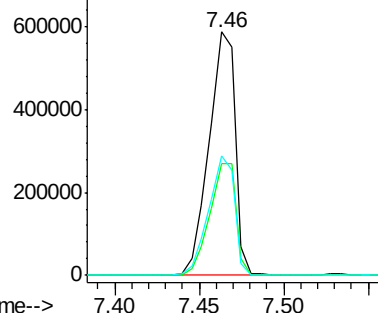
#23
Nitrobenzene-d5
Concen: 79.08 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.02 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion: 82 Resp: 631043
Ion Ratio Lower Upper
82 100
128 45.8 36.1 54.1
54 49.2 41.4 62.2

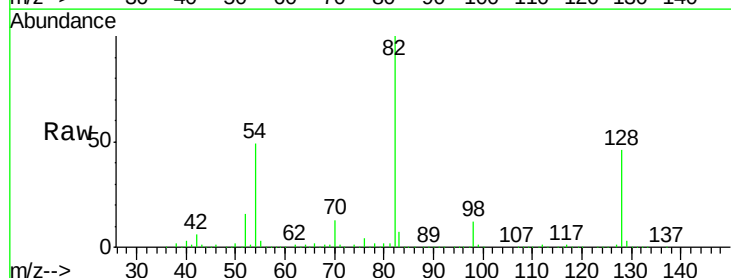


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

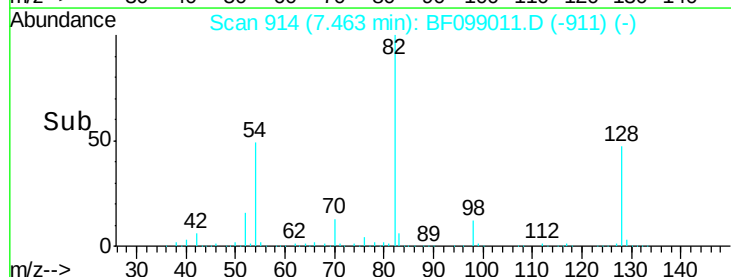
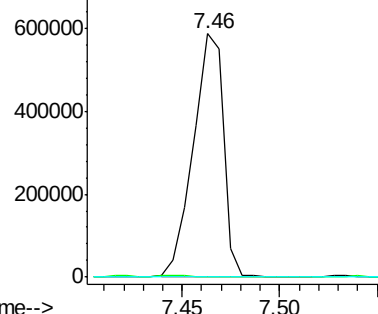


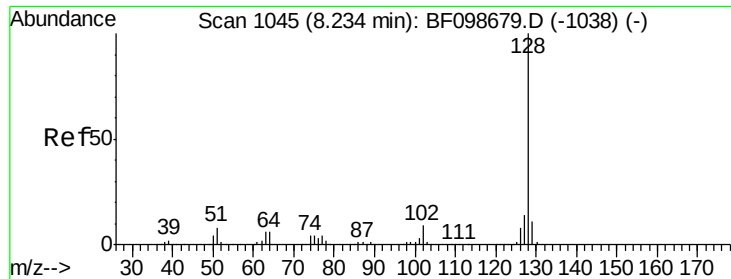
#25
Isophorone
Concen: 38.16 ng
RT: 7.46 min Scan# 914
Delta R.T. -0.28 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Tgt Ion: 82 Resp: 629538
Ion Ratio Lower Upper
82 100
95 0.3 5.2 7.8#
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): BF0

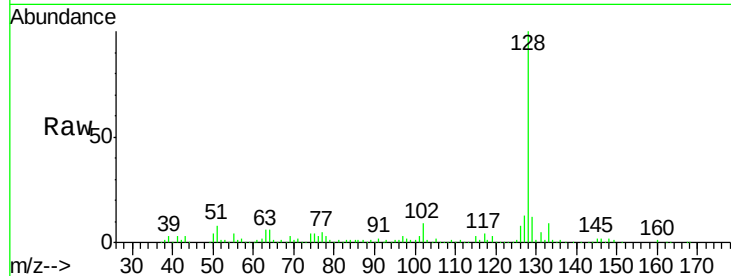




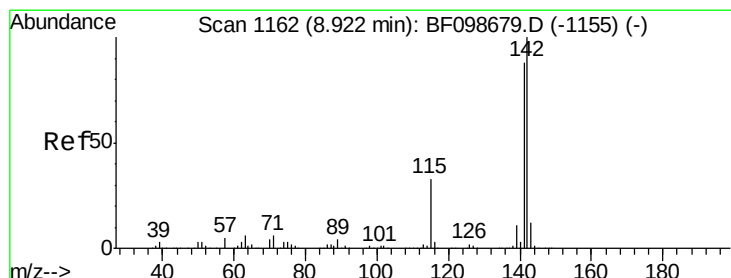
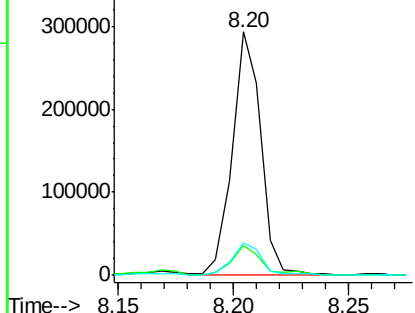
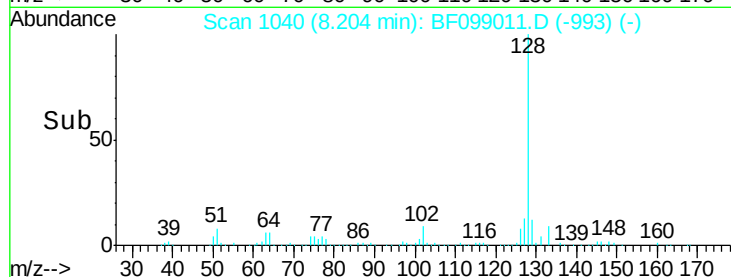
#31
Naphthalene
Concen: 10.42 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.02 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.1	8.8	13.2
127	13.2	10.9	16.3

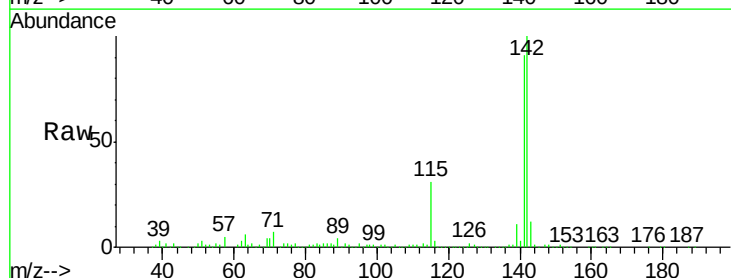


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

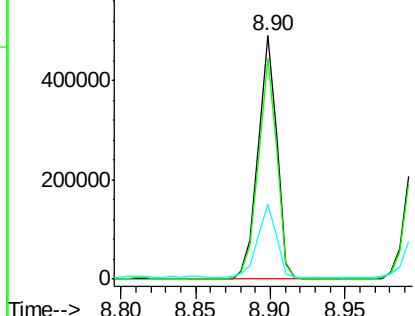
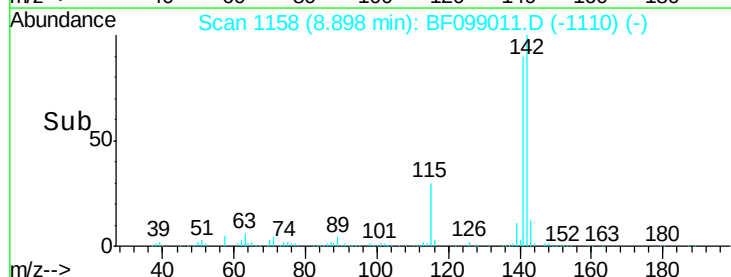


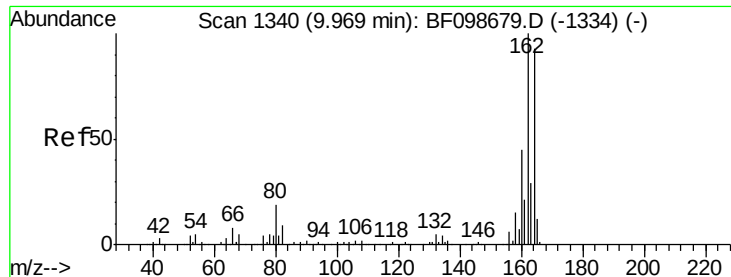
#37
2-Methylnaphthalene
Concen: 27.07 ng
RT: 8.90 min Scan# 1158
Delta R.T. -0.02 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.6	70.8	106.2
115	30.6	26.1	39.1



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.95 min Scan# 1336

Delta R.T. -0.02 min

Lab File: BF099011.D

Acq: 2 Oct 2017 20:33

Instrument :

BNA_F

ClientSampleId :

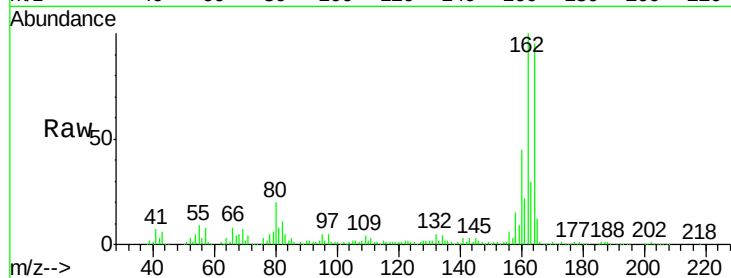
Tot Ion:164 Resp: 201025

Ion Ratio Lower Upper

164 100

162 105.1 86.1 129.1

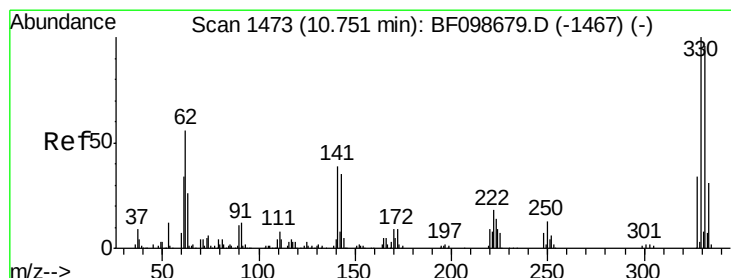
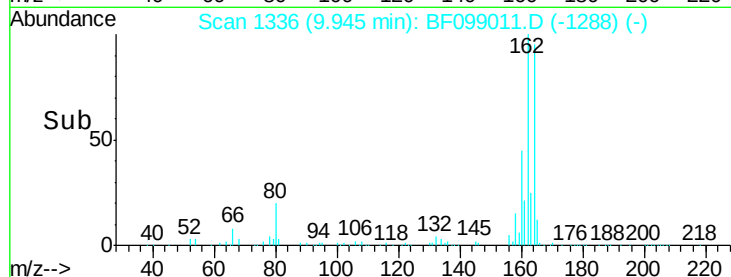
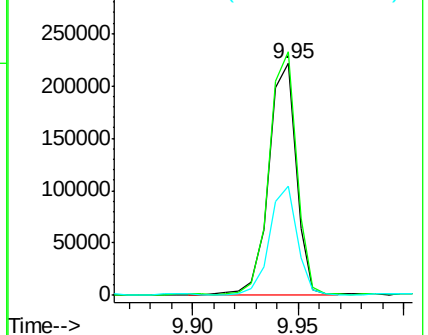
160 47.2 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 78.16 ng

RT: 10.73 min Scan# 1470

Delta R.T. -0.02 min

Lab File: BF099011.D

Acq: 2 Oct 2017 20:33

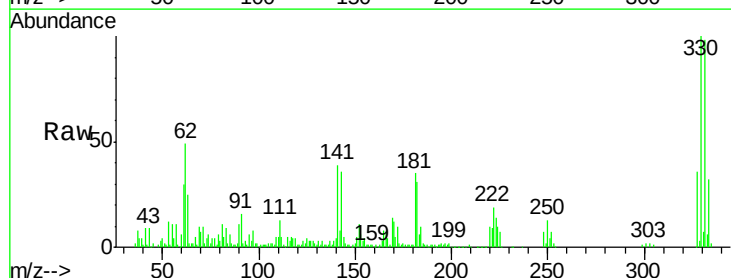
Tgt Ion:330 Resp: 128564

Ion Ratio Lower Upper

330 100

332 96.7 77.0 115.6

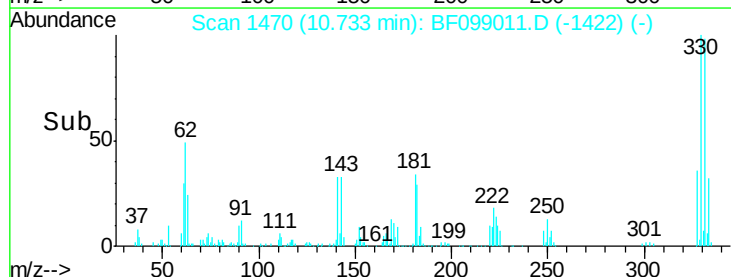
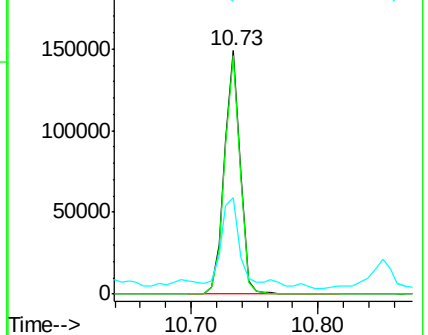
141 45.5 29.9 44.9#

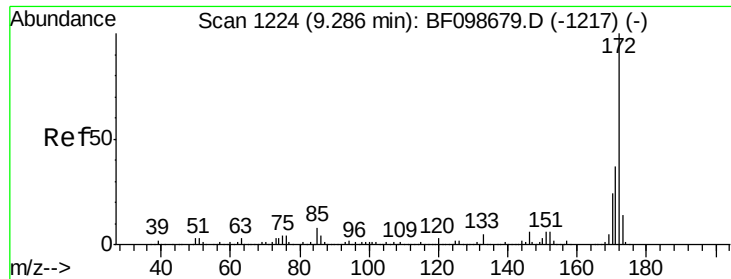


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

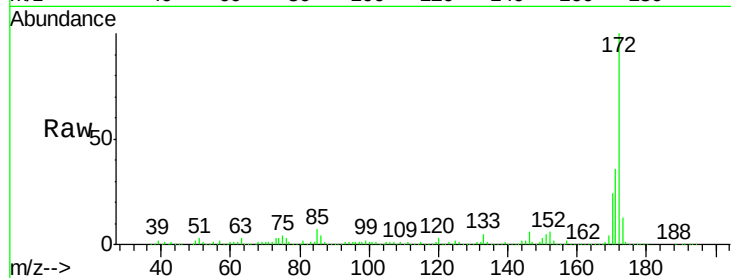




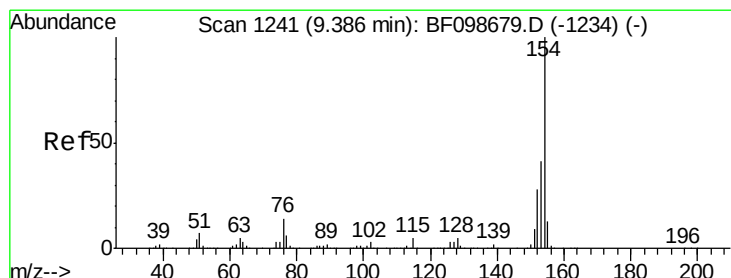
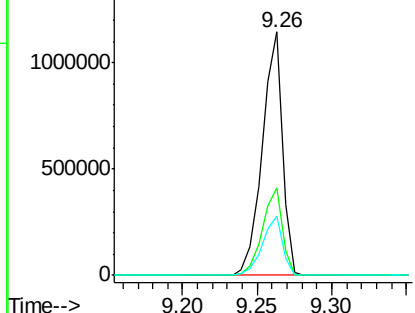
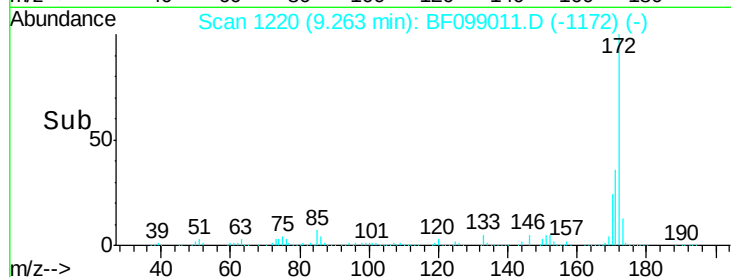
#44
2-Fluorobiphenyl
Concen: 87.82 ng
RT: 9.26 min Scan# 1220
Delta R.T. -0.02 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1057539
Ion Ratio Lower Upper
172 100
171 36.1 29.7 44.5
170 24.1 19.6 29.4

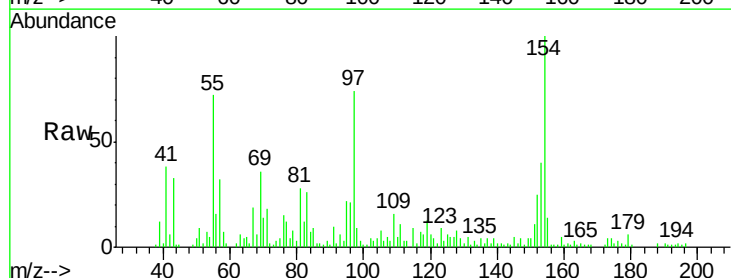


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

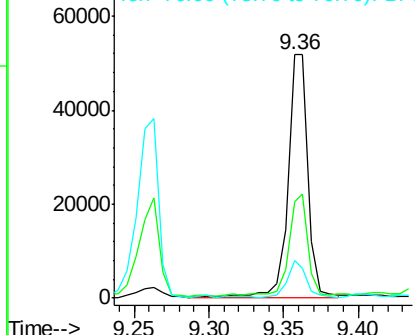
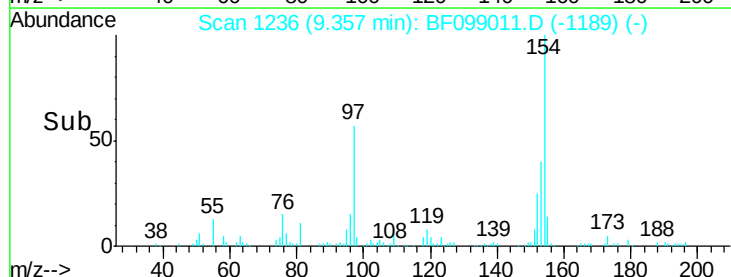


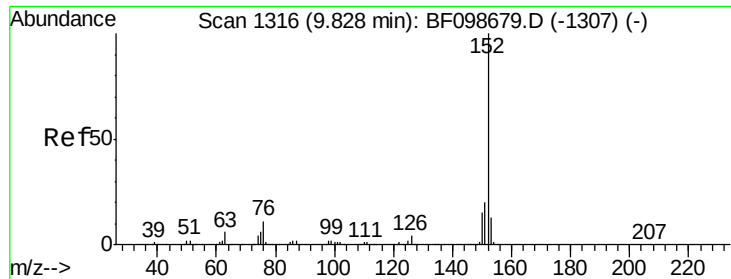
#45
1,1'-Biphenyl
Concen: 2.90 ng
RT: 9.36 min Scan# 1236
Delta R.T. -0.02 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Tgt Ion:154 Resp: 50143
Ion Ratio Lower Upper
154 100
153 39.7 21.3 61.3
76 15.4 0.0 34.0



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





#48

Acenaphthylene

Concen: 4.52 ng

RT: 9.80 min Scan# 1312

Delta R.T. -0.02 min

Lab File: BF099011.D

Acq: 2 Oct 2017 20:33

Instrument :

BNA_F

ClientSampled :

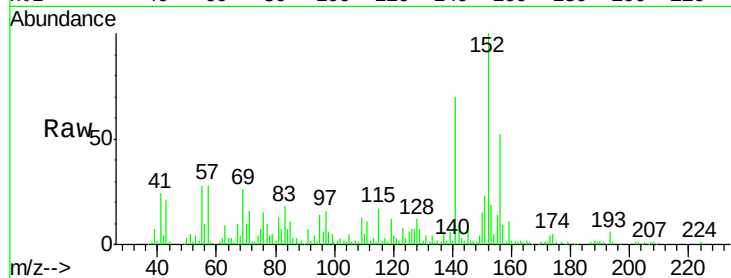
Tot Ion:152 Resp: 89835

Ion Ratio Lower Upper

152 100

151 22.7 16.3 24.5

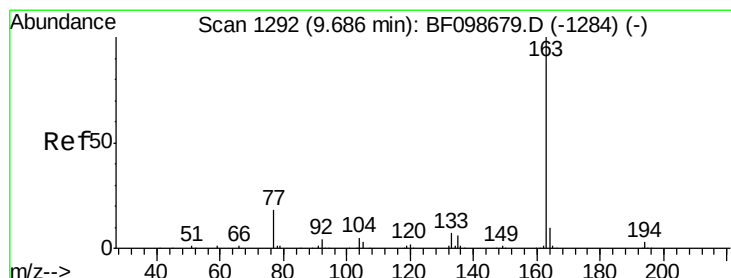
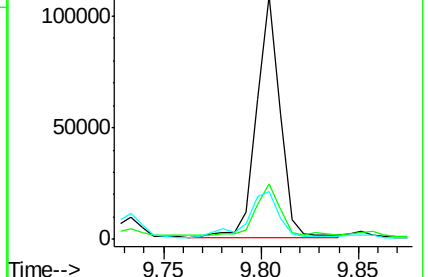
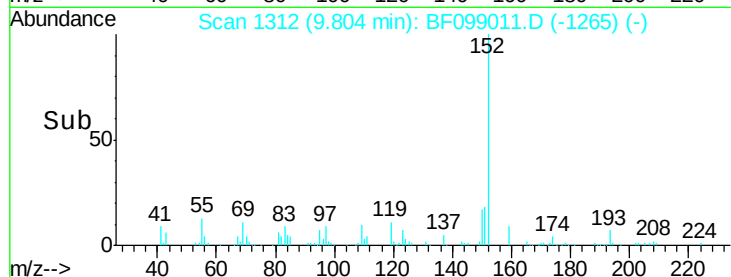
153 19.4 10.7 16.1#



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: 11.43 ng

RT: 9.65 min Scan# 1286

Delta R.T. -0.03 min

Lab File: BF099011.D

Acq: 2 Oct 2017 20:33

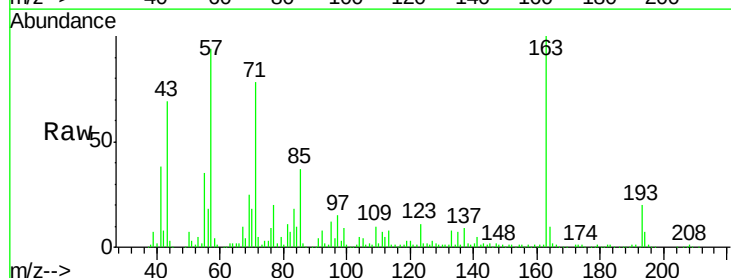
Tgt Ion:163 Resp: 173435

Ion Ratio Lower Upper

163 100

194 6.7 2.7 4.1#

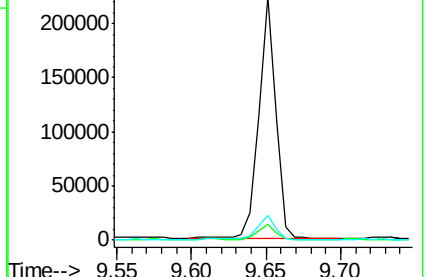
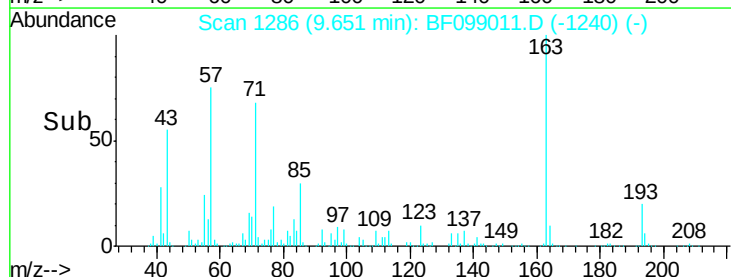
164 10.0 8.2 12.2

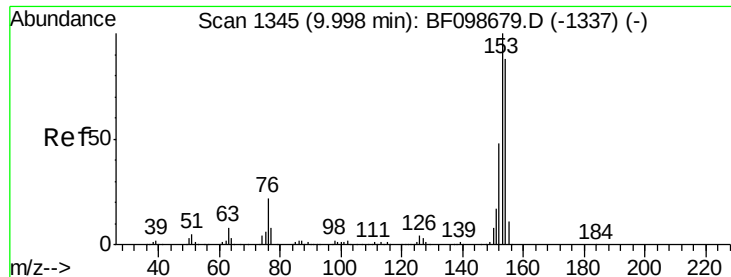


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 2.29 ng

RT: 9.97 min Scan# 1341

Delta R.T. -0.02 min

Lab File: BF099011.D

Acq: 2 Oct 2017 20:33

Instrument :

BNA_F

ClientSampled :

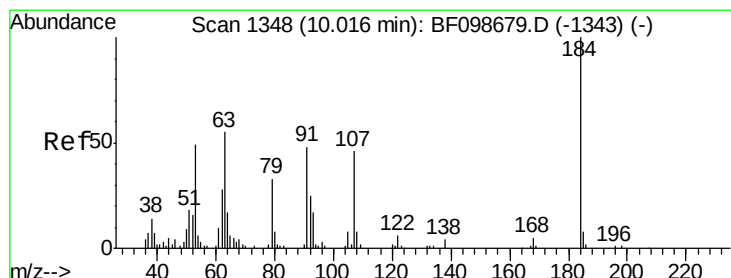
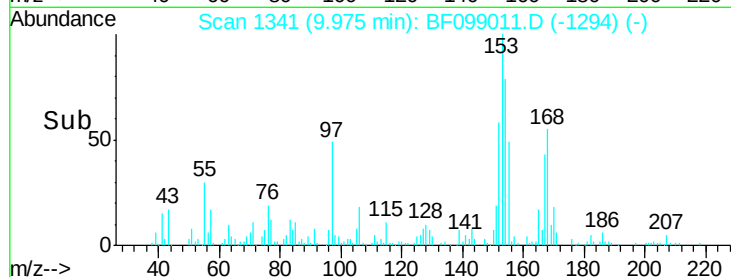
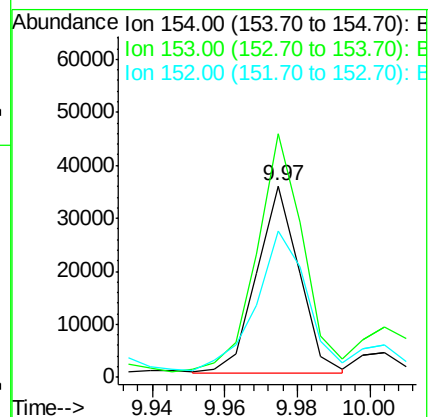
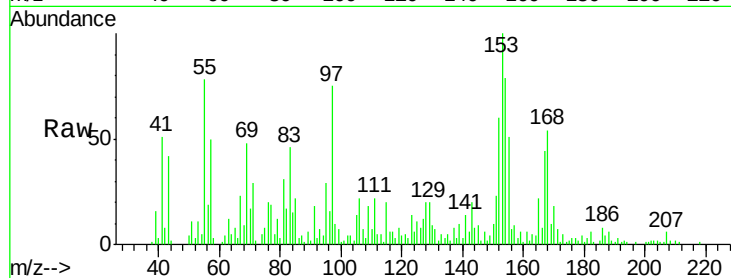
Tot Ion:154 Resp: 28818

Ion Ratio Lower Upper

154 100

153 127.1 91.2 136.8

152 76.3 43.8 65.8#



#53

2,4-Dinitrophenol

Concen: 6.17 ng

RT: 10.13 min Scan# 1367

Delta R.T. 0.12 min

Lab File: BF099011.D

Acq: 2 Oct 2017 20:33

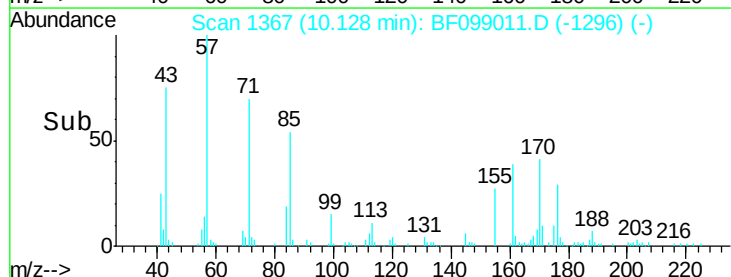
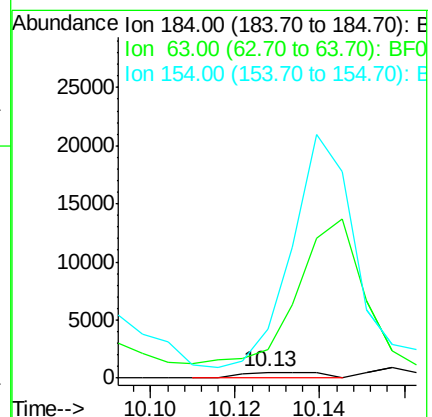
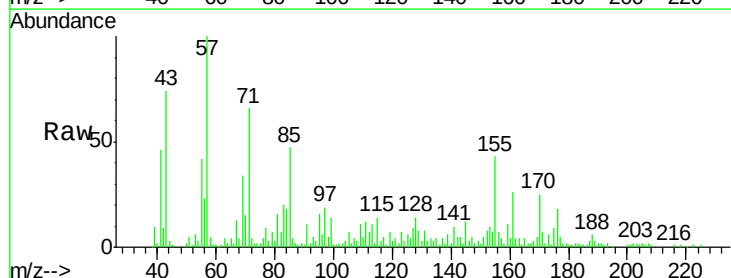
Tgt Ion:184 Resp: 643

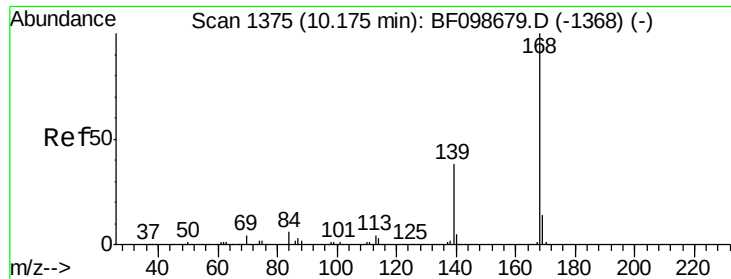
Ion Ratio Lower Upper

184 100

63 470.3 54.2 81.2#

154 812.7 53.5 80.3#

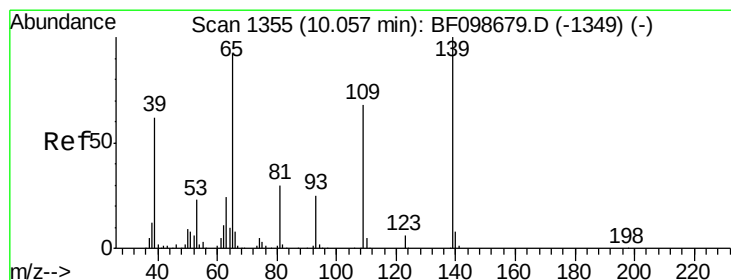
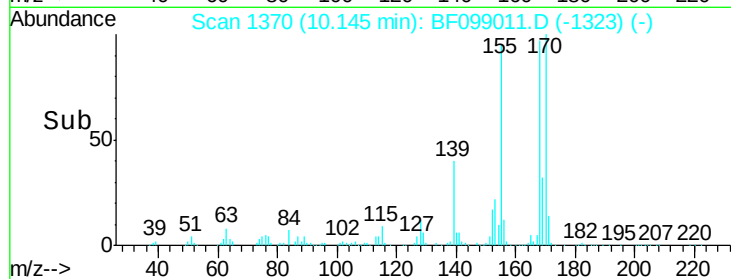
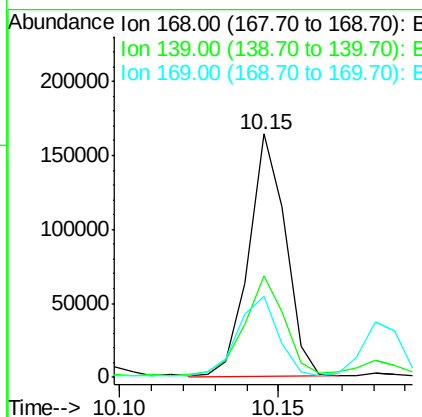
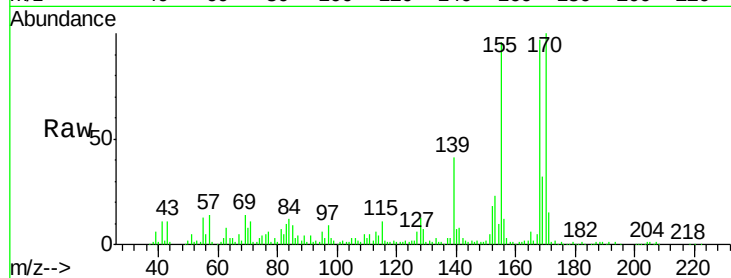




#54
Dibenzofuran
Concen: 7.88 ng
RT: 10.15 min Scan# 1370
Delta R.T. -0.02 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

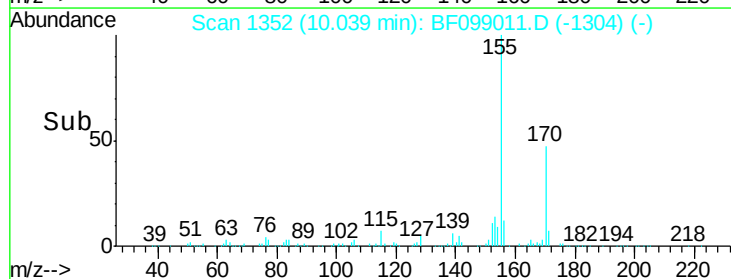
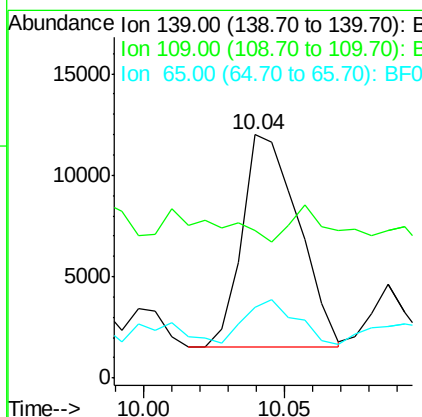
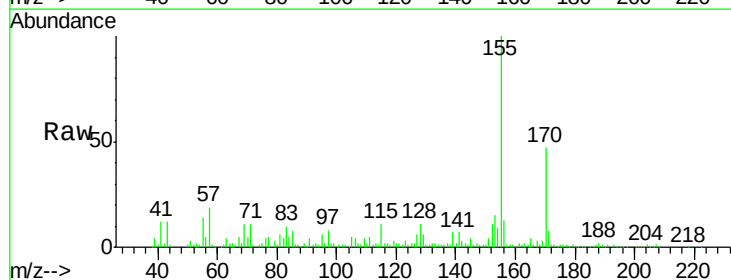
Instrument :
BNA_F
ClientSampleId :

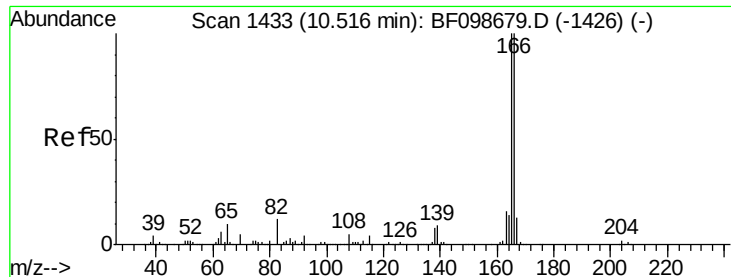
Tot Ion:168 Resp: 131999
Ion Ratio Lower Upper
168 100
139 41.9 30.1 45.1
169 33.1 10.9 16.3#



#55
4-Nitrophenol
Concen: 4.43 ng
RT: 10.04 min Scan# 1352
Delta R.T. -0.02 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Tgt Ion:139 Resp: 14442
Ion Ratio Lower Upper
139 100
109 60.7 48.4 88.4
65 29.0 72.6 112.6#

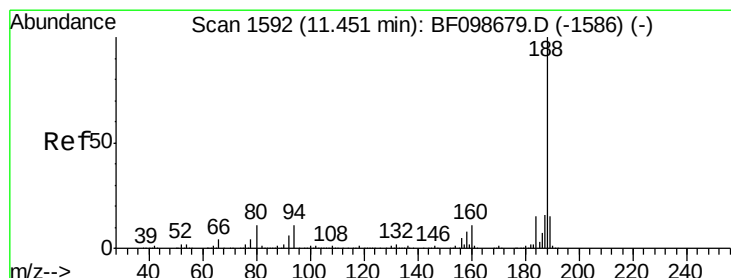
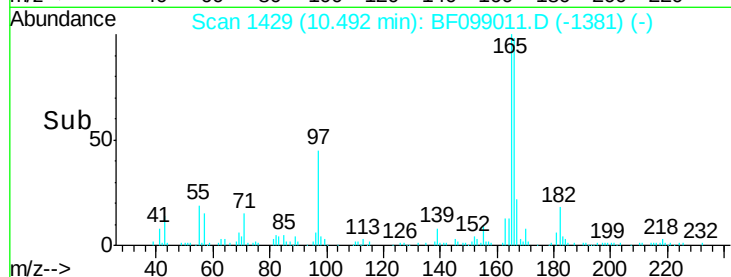
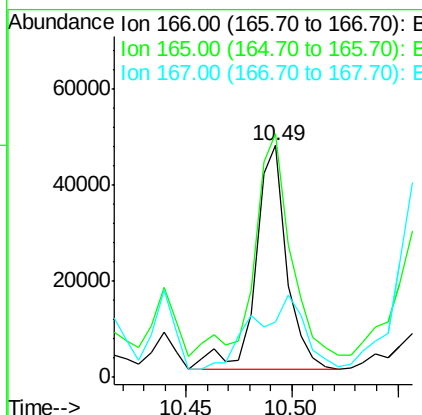
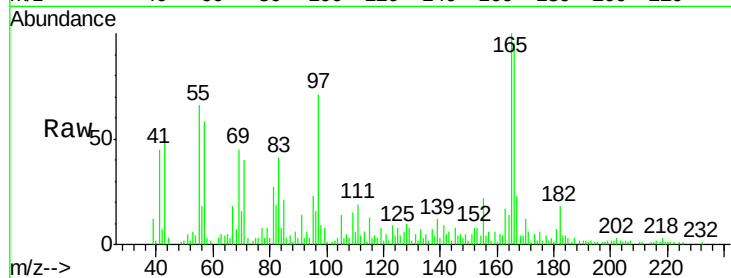




#57
 Fluorene
 Concen: 3.57 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. -0.02 min
 Lab File: BF099011.D
 Acq: 2 Oct 2017 20:33

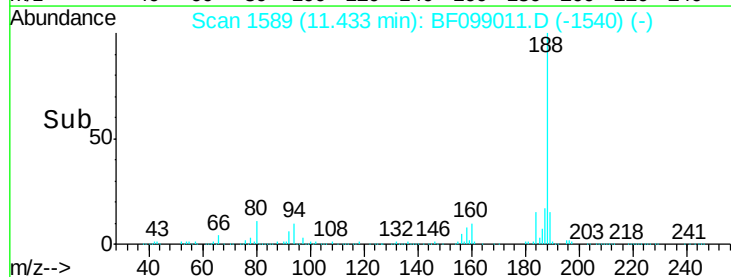
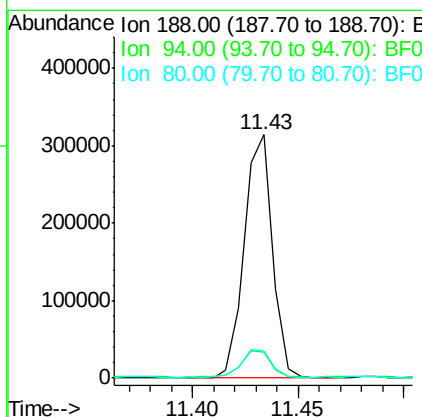
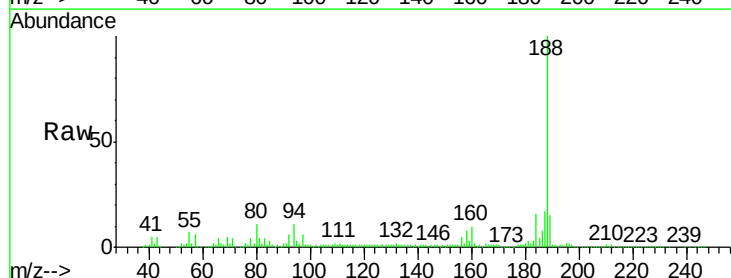
Instrument :
 BNA_F
 ClientSampleId :

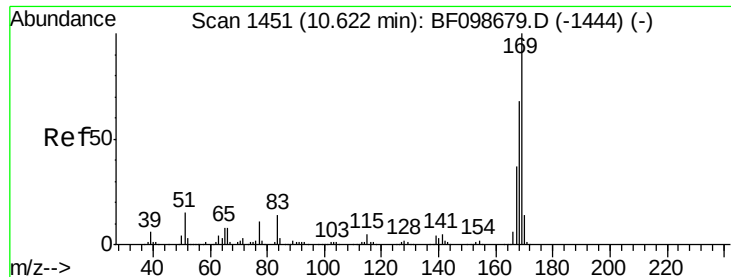
Tot Ion:166 Resp: 48014
 Ion Ratio Lower Upper
 166 100
 165 105.1 79.8 119.8
 167 24.1 10.6 16.0#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.43 min Scan# 1589
 Delta R.T. -0.01 min
 Lab File: BF099011.D
 Acq: 2 Oct 2017 20:33

Tgt Ion:188 Resp: 289743
 Ion Ratio Lower Upper
 188 100
 94 10.7 8.5 12.7
 80 11.2 9.2 13.8

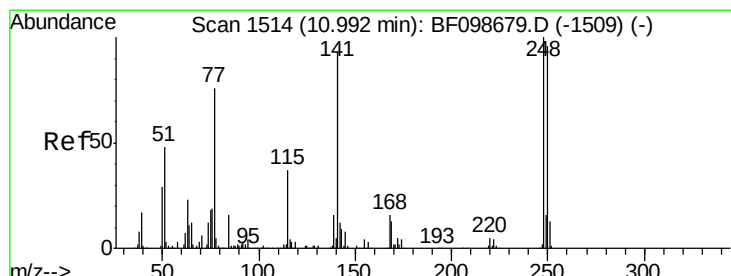
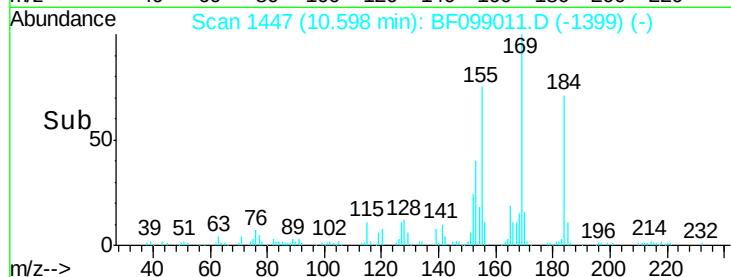
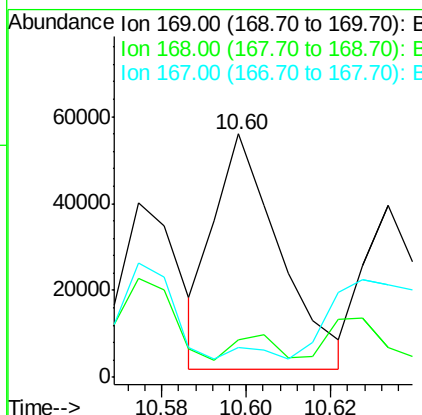
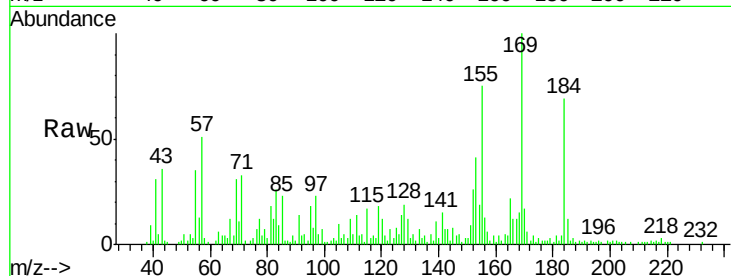




#65
n-Nitrosodiphenylamine
Concen: 5.85 ng
RT: 10.60 min Scan# 1447
Delta R.T. -0.02 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

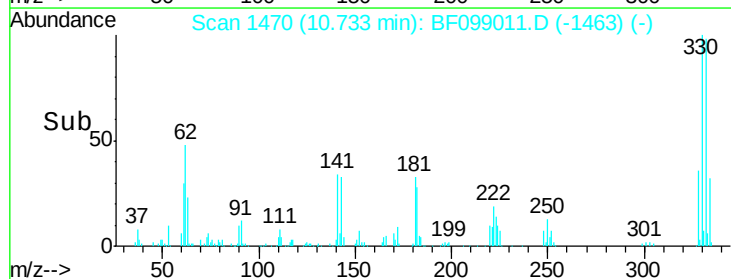
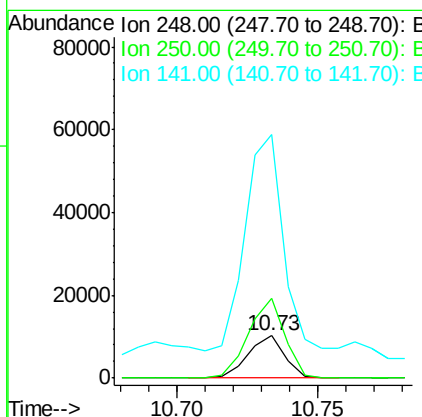
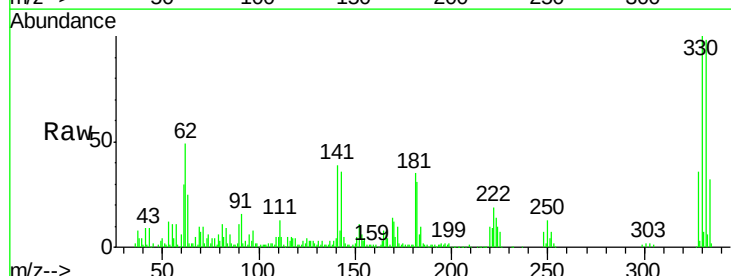
Instrument :
BNA_F
ClientSampled :

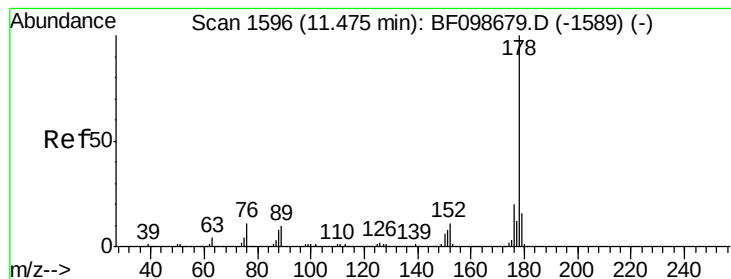
Tot Ion:169 Resp: 58730
Ion Ratio Lower Upper
169 100
168 15.4 54.4 81.6#
167 12.3 29.8 44.6#



#66
4-Bromophenyl-phenylether
Concen: 3.19 ng
RT: 10.73 min Scan# 1470
Delta R.T. -0.26 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Tgt Ion:248 Resp: 9034
Ion Ratio Lower Upper
248 100
250 190.5 76.9 115.3#
141 578.1 74.4 111.6#





#70

Phenanthrene

Concen: 35.79 ng

RT: 11.46 min Scan# 1593

Delta R.T. -0.02 min

Lab File: BF099011.D

Acq: 2 Oct 2017 20:33

Instrument :

BNA_F

ClientSampleId :

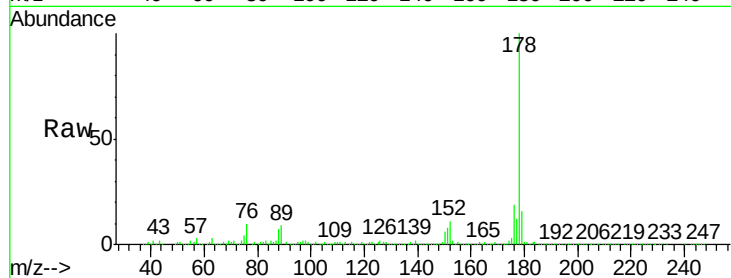
Tot Ion:178 Resp: 555134

Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.8

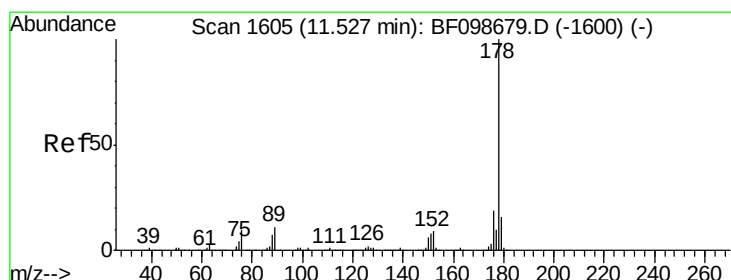
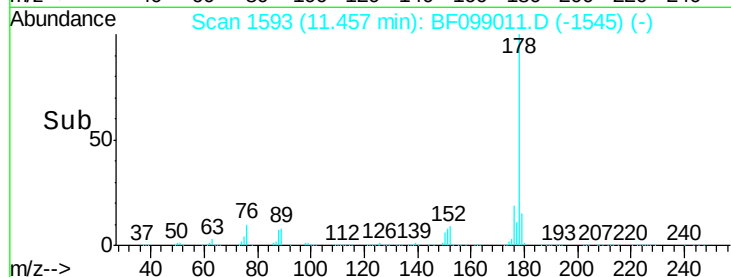
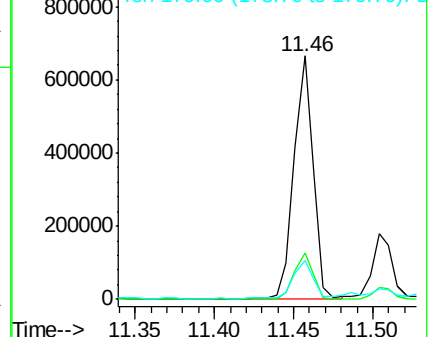
179 16.0 13.0 19.6



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: 9.09 ng

RT: 11.50 min Scan# 1601

Delta R.T. -0.02 min

Lab File: BF099011.D

Acq: 2 Oct 2017 20:33

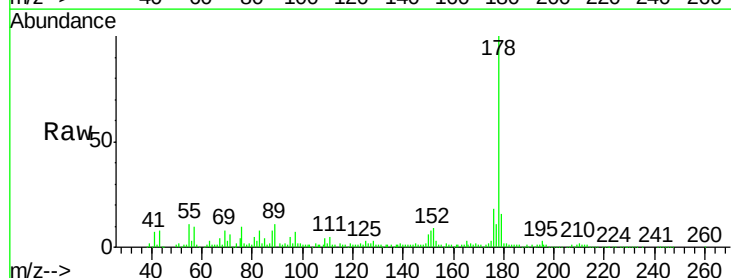
Tgt Ion:178 Resp: 144273

Ion Ratio Lower Upper

178 100

176 18.4 15.4 23.2

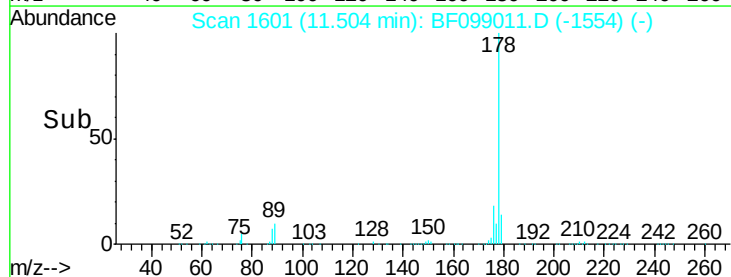
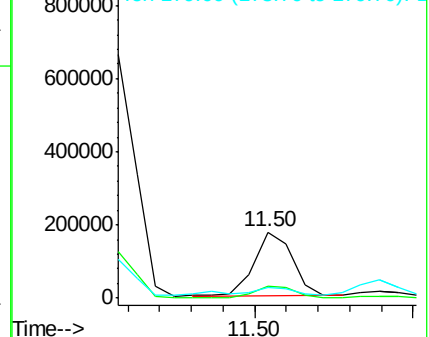
179 15.9 12.6 19.0

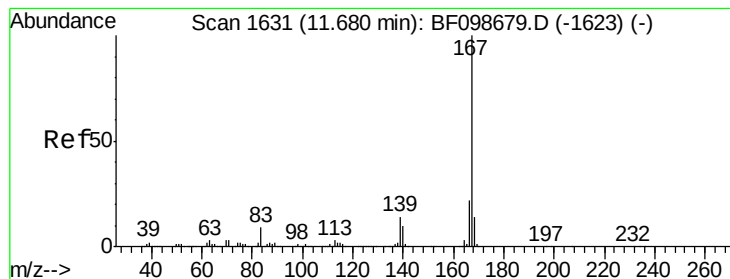


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 2.66 ng

RT: 11.66 min Scan# 1627

Delta R.T. -0.02 min

Lab File: BF099011.D

Acq: 2 Oct 2017 20:33

Instrument :

BNA_F

ClientSampleId :

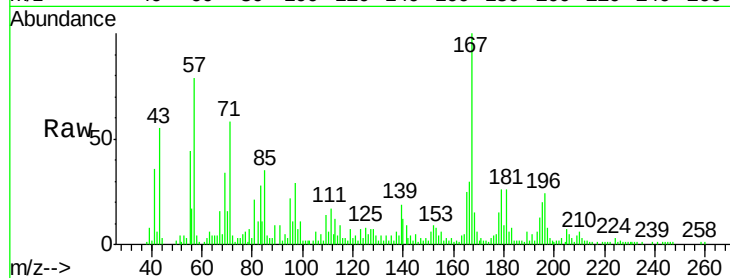
Tot Ion:167 Resp: 41371

Ion Ratio Lower Upper

167 100

166 29.8 17.6 26.4#

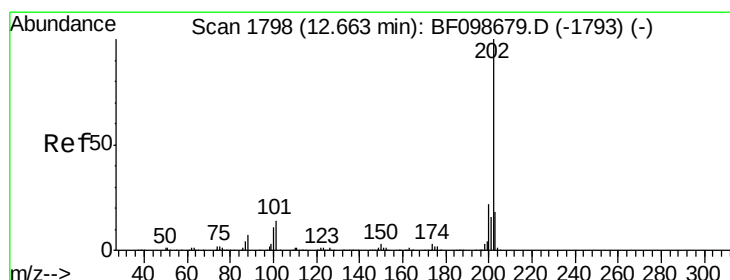
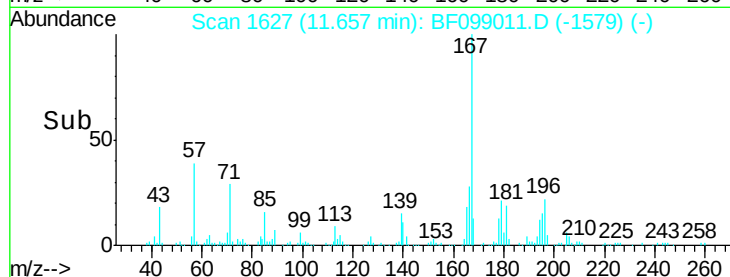
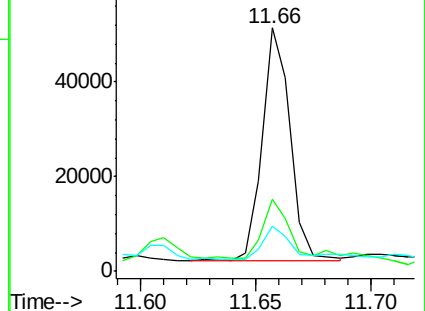
139 18.6 10.9 16.3#



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 41.77 ng

RT: 12.65 min Scan# 1796

Delta R.T. -0.01 min

Lab File: BF099011.D

Acq: 2 Oct 2017 20:33

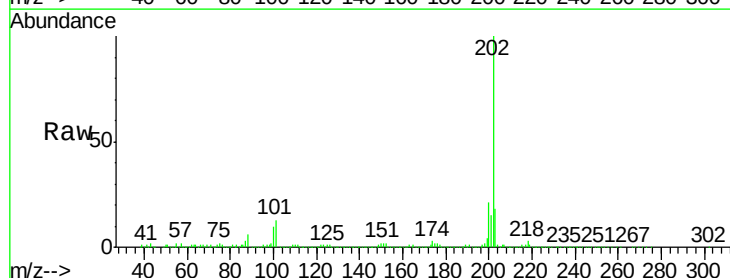
Tgt Ion:202 Resp: 655932

Ion Ratio Lower Upper

202 100

101 12.8 0.0 34.1

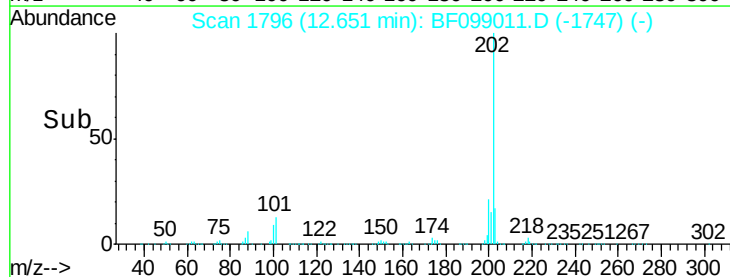
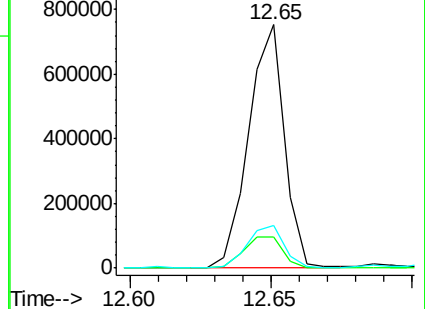
203 17.6 0.0 38.1

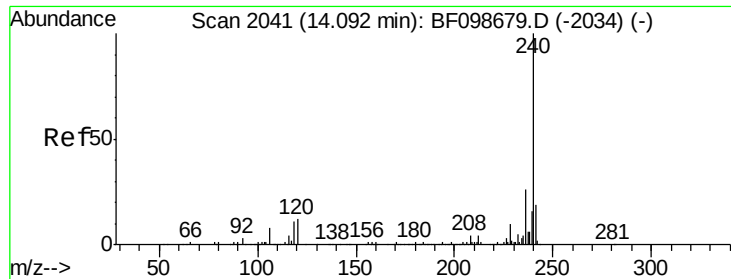


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.07 min Scan# 2038

Delta R.T. -0.01 min

Lab File: BF099011.D

Acq: 2 Oct 2017 20:33

Instrument :

BNA_F

ClientSampleId :

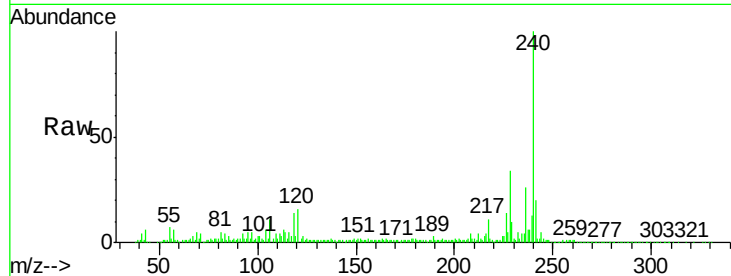
Tot Ion:240 Resp: 247457

Ion Ratio Lower Upper

240 100

120 15.8 9.5 14.3#

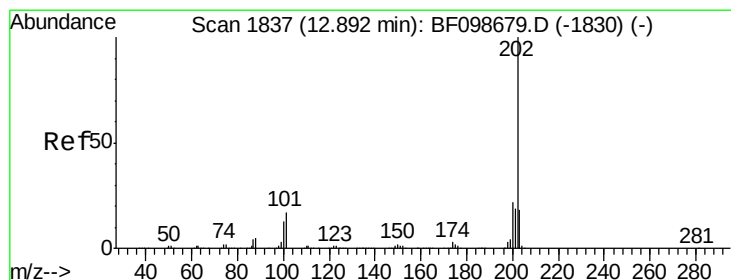
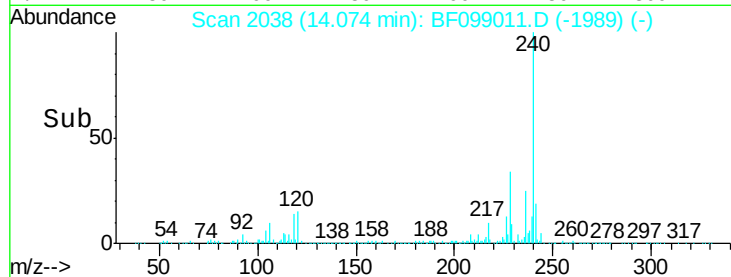
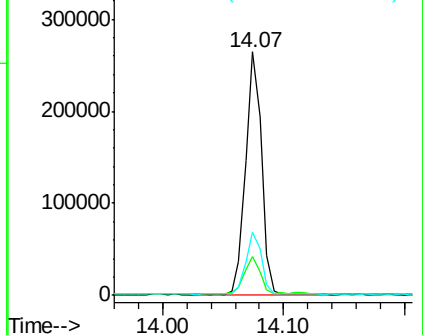
236 25.9 20.7 31.1



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: 29.16 ng

RT: 12.88 min Scan# 1835

Delta R.T. -0.01 min

Lab File: BF099011.D

Acq: 2 Oct 2017 20:33

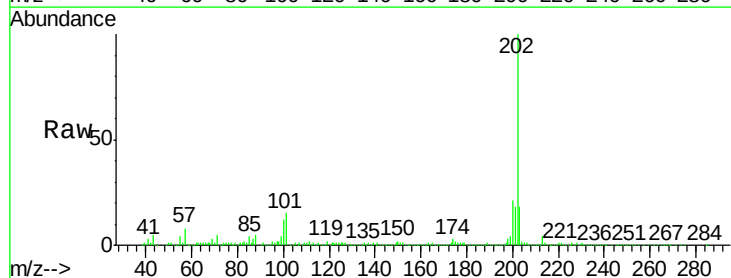
Tgt Ion:202 Resp: 550261

Ion Ratio Lower Upper

202 100

200 21.2 17.4 26.2

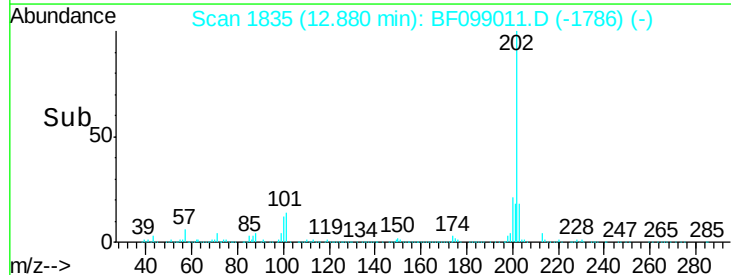
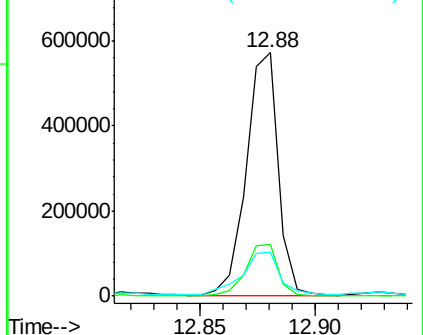
203 18.0 14.3 21.5

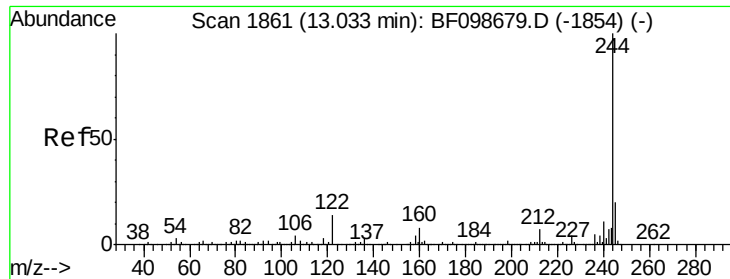


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 64.15 ng

RT: 13.02 min Scan# 1858

Delta R.T. -0.02 min

Lab File: BF099011.D

Acq: 2 Oct 2017 20:33

Instrument :

BNA_F

ClientSampleId :

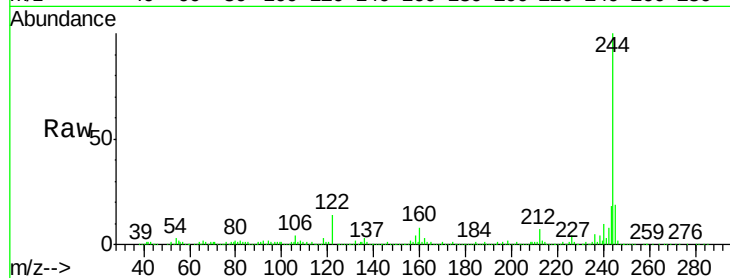
Tot Ion:244 Resp: 697970

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

122 13.5 11.0 16.4

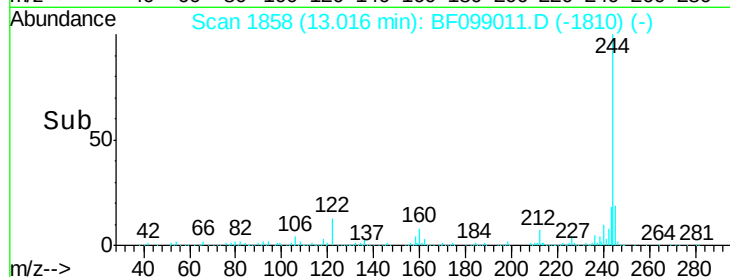


Abundance Ion 244.00 (243.70 to 244.70): E

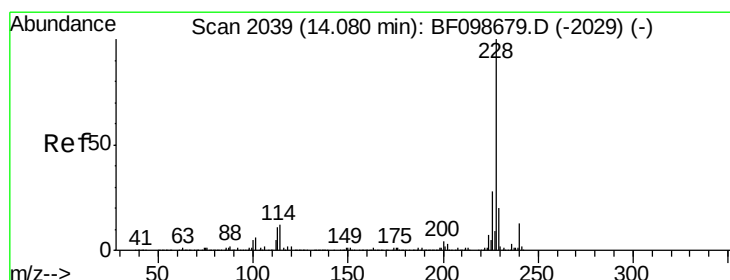
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



Time-->



#80

Benzo(a)anthracene

Concen: 21.78 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF099011.D

Acq: 2 Oct 2017 20:33

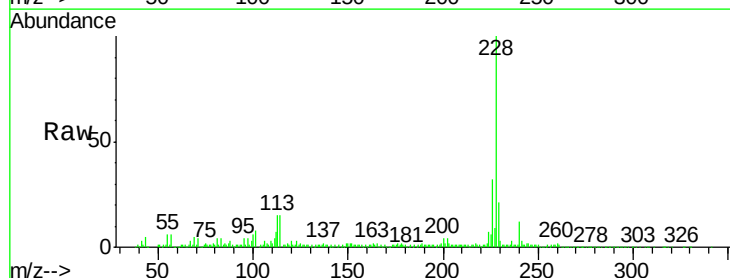
Tgt Ion:228 Resp: 326343

Ion Ratio Lower Upper

228 100

226 31.6 22.6 33.8

229 21.3 15.8 23.6

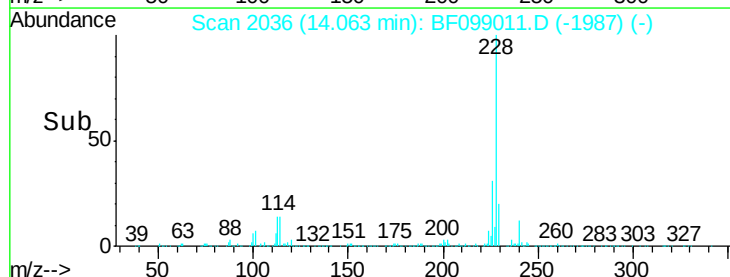


Abundance Ion 228.00 (227.70 to 228.70): E

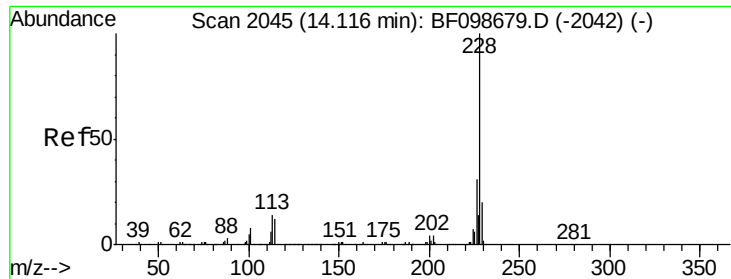
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

Time-->



Time-->



#82

Chrysene

Concen: 25.97 ng

RT: 14.10 min Scan# 2043

Delta R.T. -0.01 min

Lab File: BF099011.D

Acq: 2 Oct 2017 20:33

Instrument :

BNA_F

ClientSampleId :

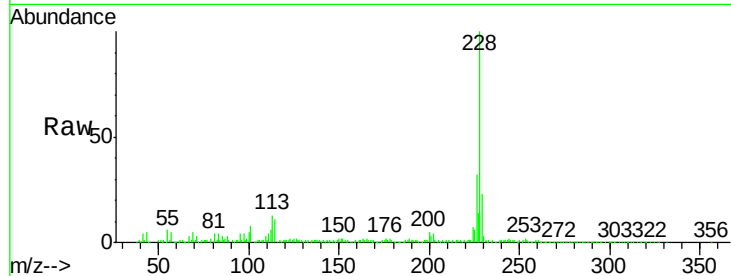
Tot Ion:228 Resp: 370418

Ion Ratio Lower Upper

228 100

226 31.6 25.0 37.6

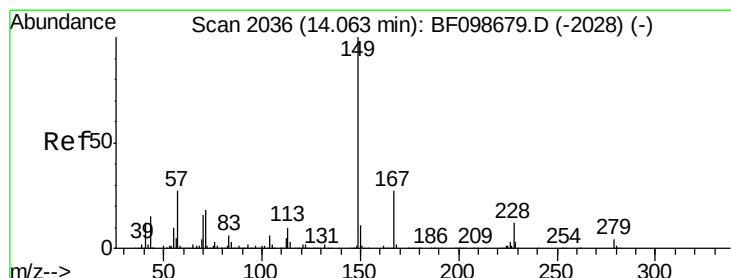
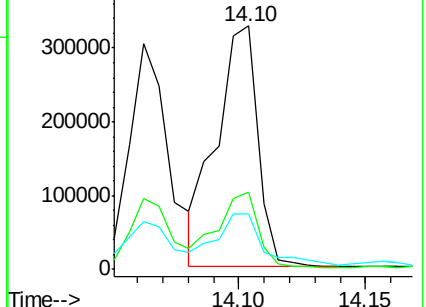
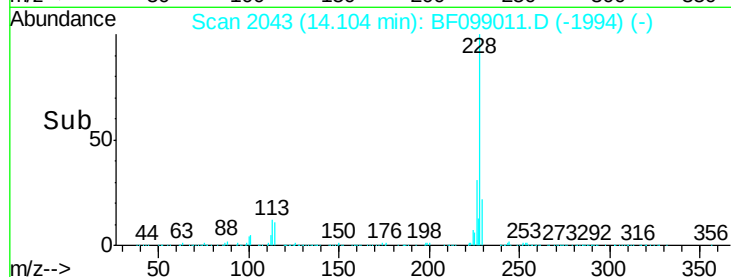
229 22.8 16.2 24.4



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 2.49 ng

RT: 14.04 min Scan# 2032

Delta R.T. -0.02 min

Lab File: BF099011.D

Acq: 2 Oct 2017 20:33

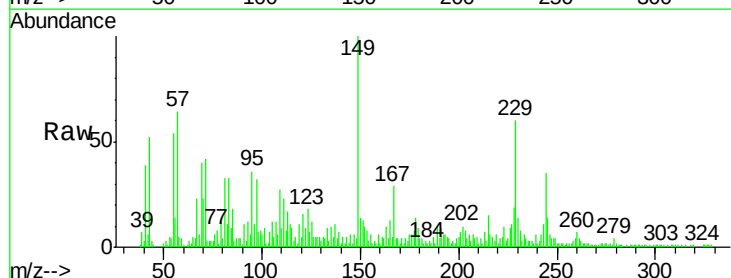
Tgt Ion:149 Resp: 30356

Ion Ratio Lower Upper

149 100

167 28.8 21.3 31.9

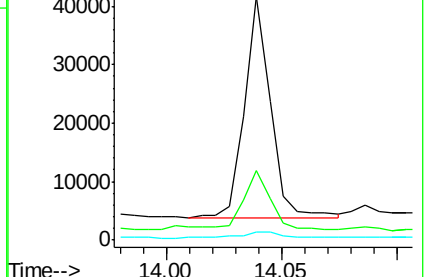
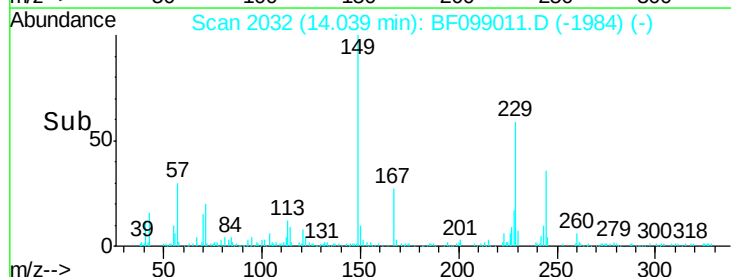
279 3.5 3.0 4.4

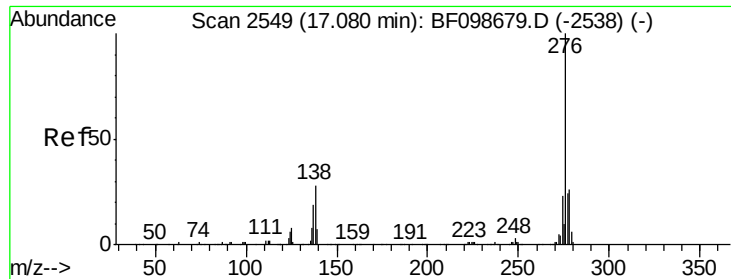


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

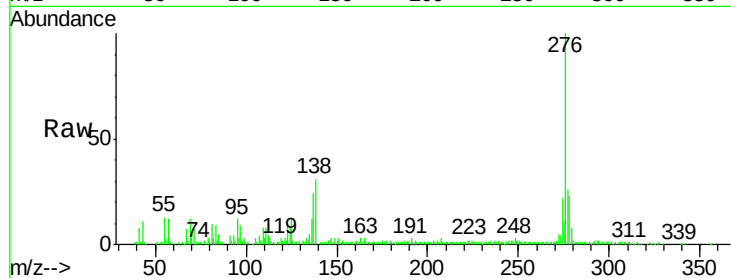




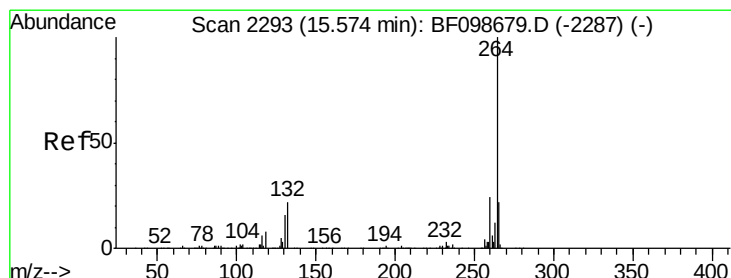
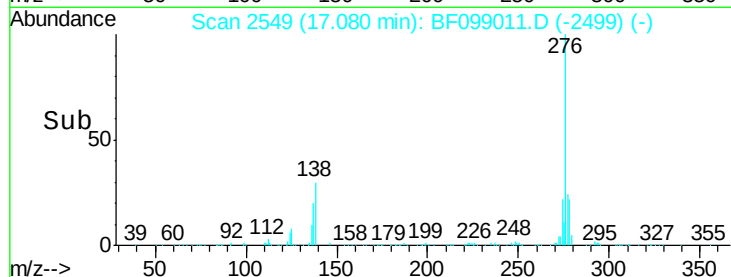
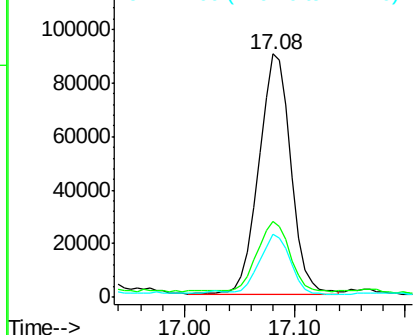
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 16.09 ng
 RT: 17.08 min Scan# 2549
 Delta R.T. -0.01 min
 Lab File: BF099011.D
 Acq: 2 Oct 2017 20:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	30.8	25.0	37.6
277	23.8	20.1	30.1

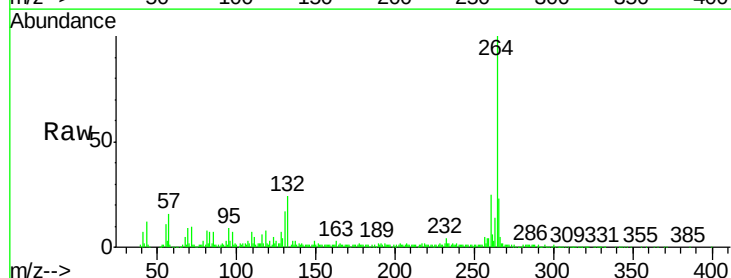


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

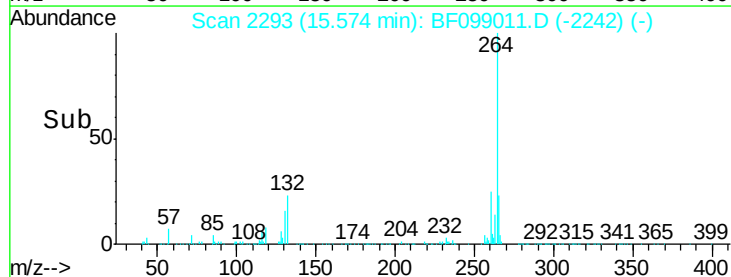
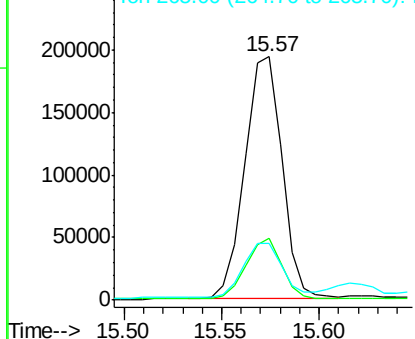


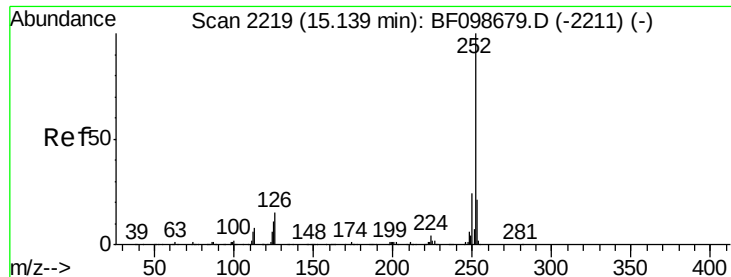
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.57 min Scan# 2293
 Delta R.T. 0.00 min
 Lab File: BF099011.D
 Acq: 2 Oct 2017 20:33

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.2	28.8
265	23.2	17.5	26.3



Abundance Ion 264.00 (263.70 to 264.70): E
 Ion 260.00 (259.70 to 260.70): E
 Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 47.93 ng

RT: 15.13 min Scan# 2218

Delta R.T. -0.01 min

Lab File: BF099011.D

Acq: 2 Oct 2017 20:33

Instrument :

BNA_F

ClientSampleId :

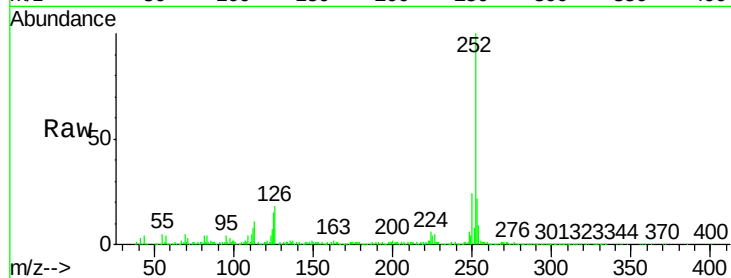
Tot Ion:252 Resp: 757292

Ion Ratio Lower Upper

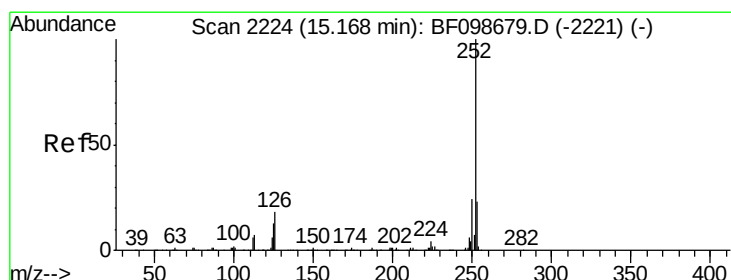
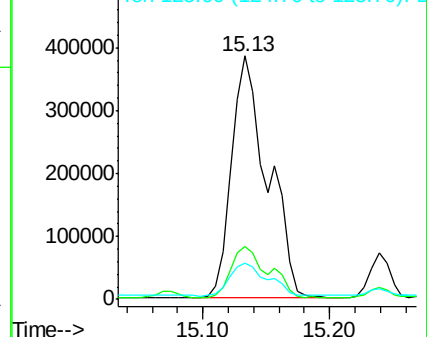
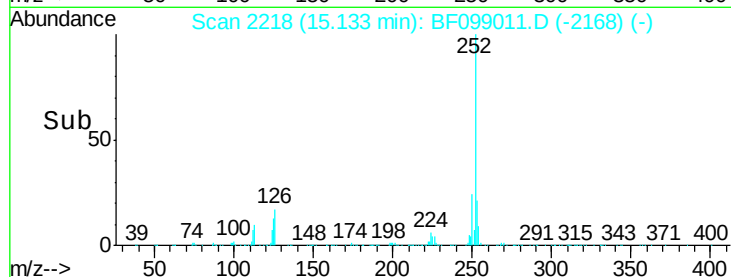
252 100

253 21.6 17.0 25.6

125 14.9 9.0 13.6#



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



#88

Benzo(k)fluoranthene

Concen: 48.53 ng

RT: 15.13 min Scan# 2218

Delta R.T. -0.04 min

Lab File: BF099011.D

Acq: 2 Oct 2017 20:33

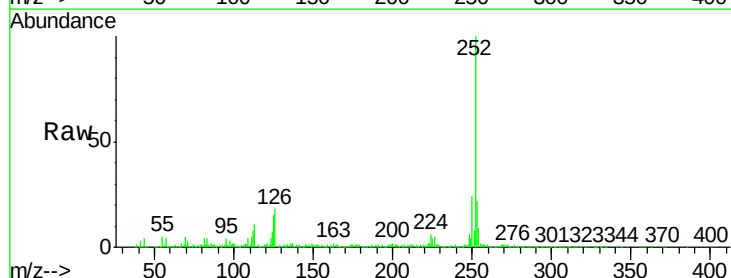
Tgt Ion:252 Resp: 757292

Ion Ratio Lower Upper

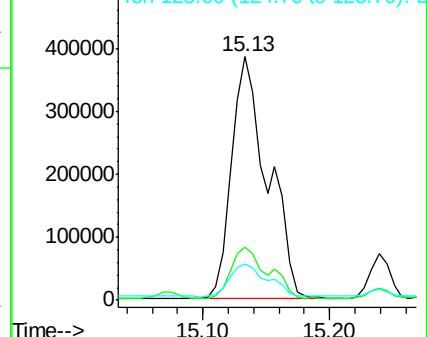
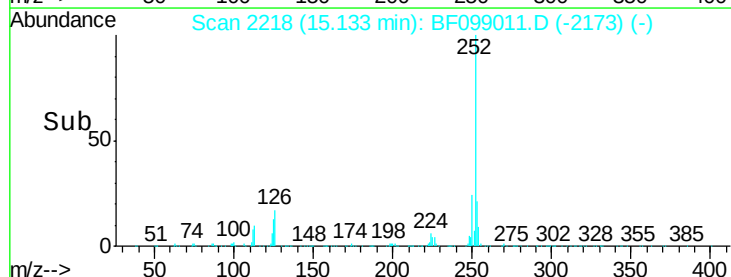
252 100

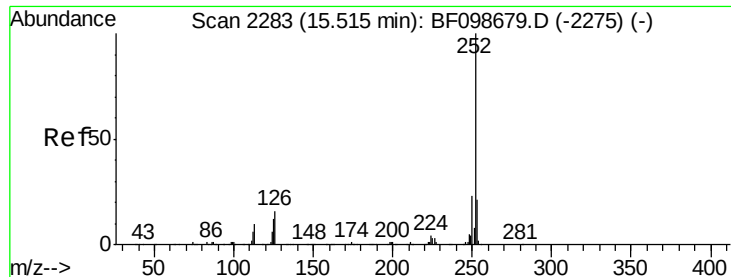
253 21.6 17.9 26.9

125 14.9 10.2 15.2



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

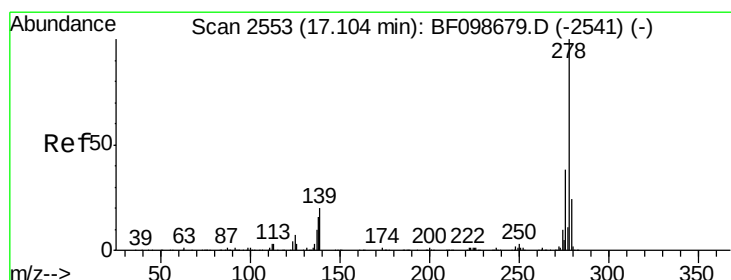
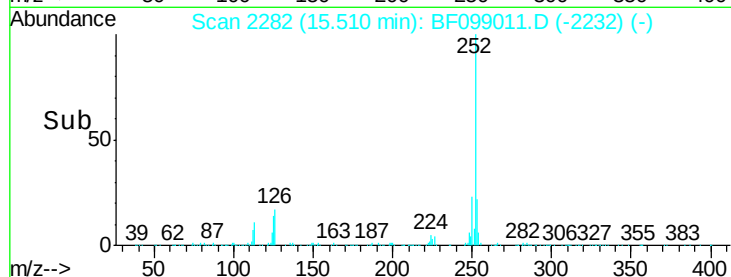
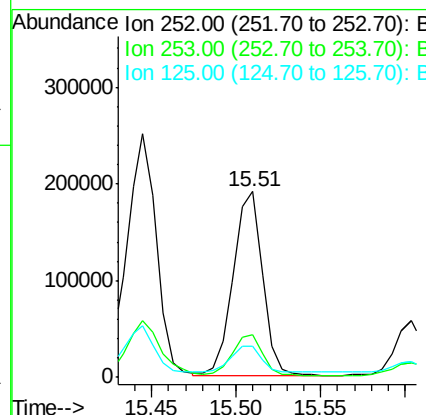
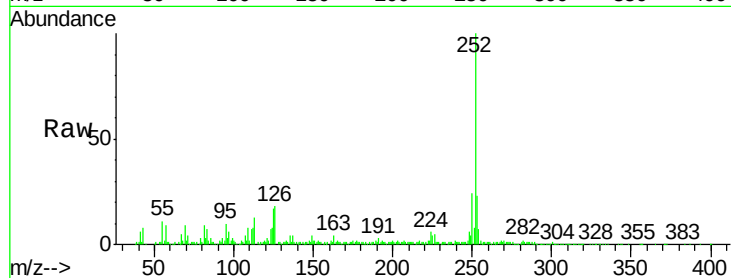




#89
Benzo(a)pyrene
Concen: 15.86 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

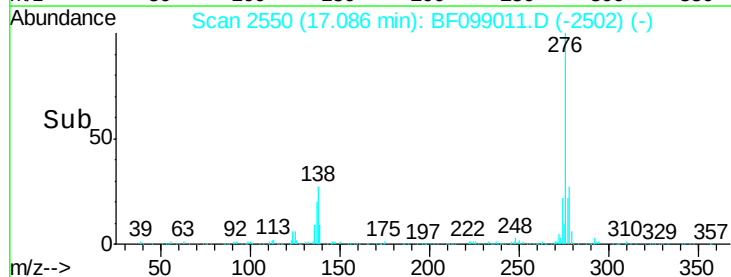
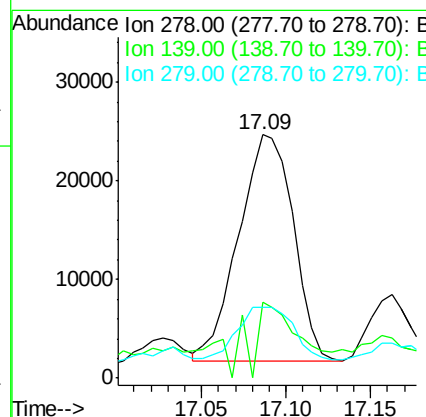
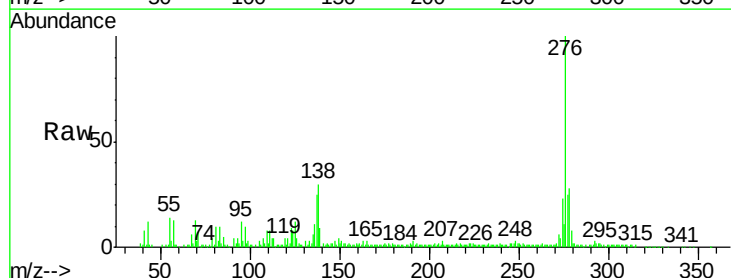
Instrument :
BNA_F
ClientSampleId :

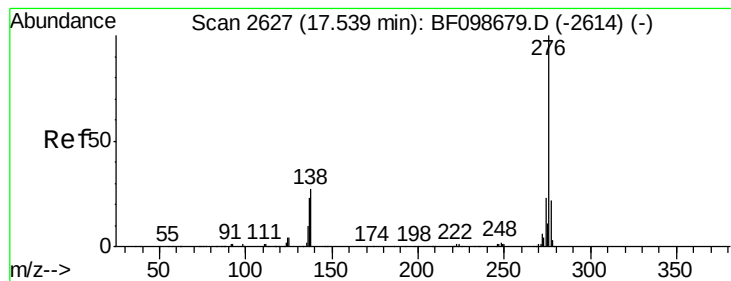
Tot Ion:252 Resp: 229990
Ion Ratio Lower Upper
252 100
253 23.1 17.1 25.7
125 16.7 9.8 14.6#



#90
Dibenzo(a,h)anthracene
Concen: 4.44 ng
RT: 17.09 min Scan# 2550
Delta R.T. -0.02 min
Lab File: BF099011.D
Acq: 2 Oct 2017 20:33

Tgt Ion:278 Resp: 51496
Ion Ratio Lower Upper
278 100
139 31.4 15.9 23.9#
279 29.3 19.0 28.4#





#91

Benzo(a,h,i)perylene

Concen: 12.82 ng

RT: 17.54 min Scan# 2627

Delta R.T. -0.01 min

Lab File: BF099011.D

Acq: 2 Oct 2017 20:33

Instrument :

BNA_F

ClientSampleId :

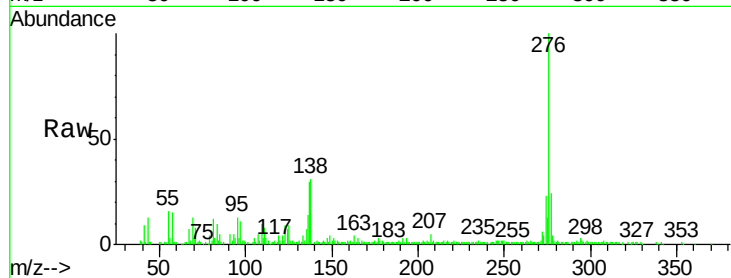
Tot Ion:276 Resp: 147047

Ion Ratio Lower Upper

276 100

277 24.5 17.9 26.9

138 30.6 21.8 32.8



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

