

Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
 Data File : BF08179.D
 Acq On : 31 Aug 2017 2:09
 Operator : SJ/JU
 Sample : I5024-04 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 31 06:52:09 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 15:59:04 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	118236	20.00	ng	-0.03
21) Naphthalene-d8	8.01	136	422166	20.00	ng	-0.02
38) Acenaphthene-d10	9.76	164	154807	20.00	ng	-0.03
63) Phenanthrene-d10	11.25	188	269486	20.00	ng	-0.02
75) Chrysene-d12	13.88	240	234798	20.00	ng	-0.02
86) Perylene-d12	15.29	264	168605	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	182666	23.50	ng	-0.03
7) Phenol-d6	6.36	99	253030	23.96	ng	-0.03
23) Nitrobenzene-d5	7.29	82	137878	17.74	ng	-0.04
41) 2,4,6-Tribromophenol	10.55	330	28542	21.25	ng	-0.03
44) 2-Fluorobiphenyl	9.08	172	223514	21.21	ng	-0.03
78) Terphenyl-d14	12.82	244	171843	15.26	ng	-0.03

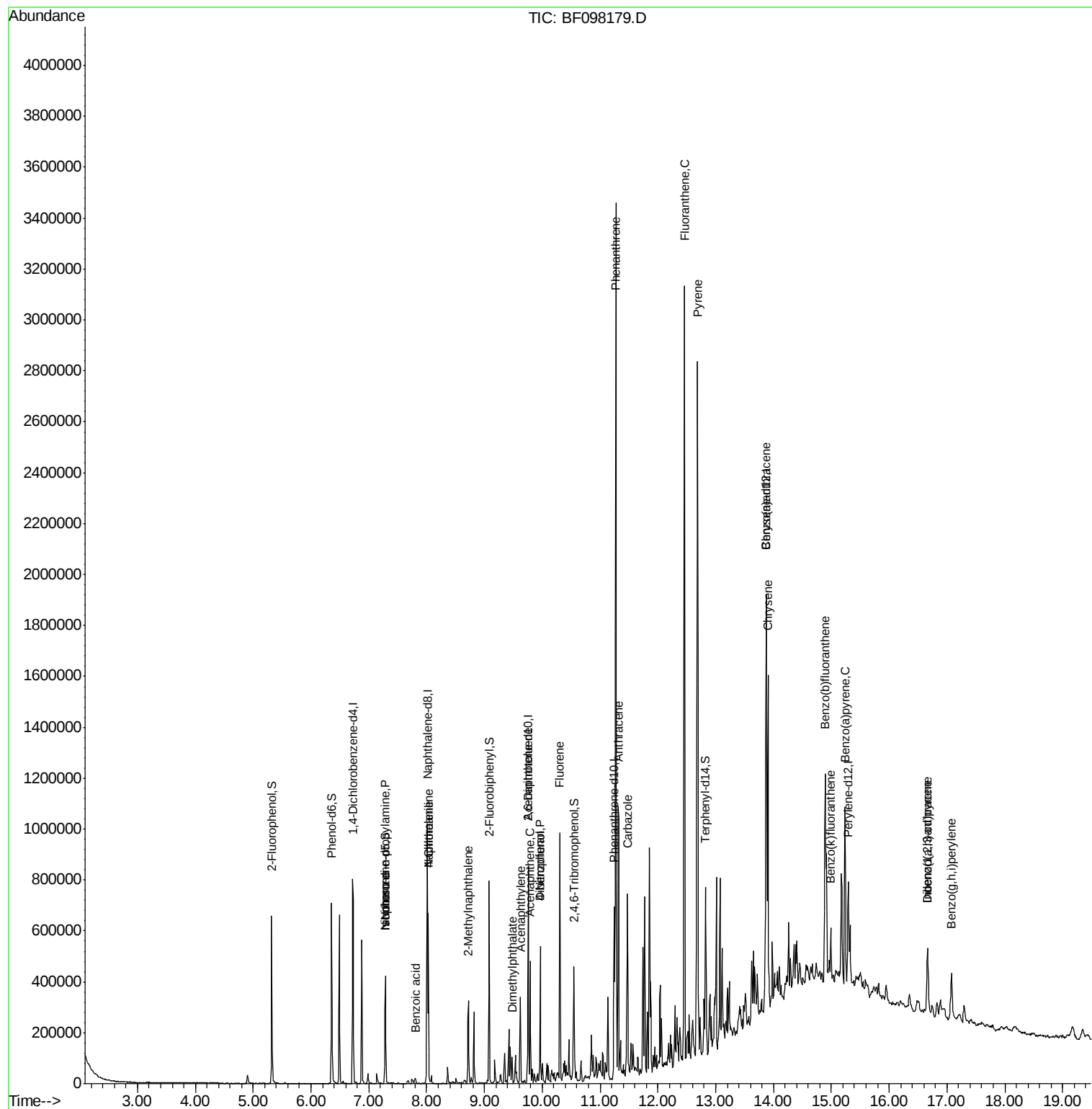
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	16929	2.342	ng	# 72
25) Isophorone	7.29	82	133760	8.278	ng	# 67
31) Naphthalene	8.03	128	277939	12.682	ng	100
32) Benzoic acid	7.80	122	4051	7.119	ng	# 20
33) 4-Chloroaniline	8.03	127	36576	3.957	ng	# 32
37) 2-Methylnaphthalene	8.72	142	85782	6.384	ng	97
48) Acenaphthylene	9.62	152	122951	7.506	ng	98
49) Dimethylphthalate	9.47	163	33135	2.928	ng	99
50) 2,6-Dinitrotoluene	9.76	165	23151	10.249	ng	# 35
51) Acenaphthene	9.79	154	93235	9.025	ng	99
54) Dibenzofuran	9.96	168	164393	11.874	ng	98
55) 4-Nitrophenol	9.96	139	62771	27.001	ng	# 28
57) Fluorene	10.30	166	263225	24.590	ng	96
70) Phenanthrene	11.27	178	1373816	95.669	ng	100
71) Anthracene	11.32	178	398220	27.341	ng	99
72) Carbazole	11.47	167	247719	17.918	ng	98
74) Fluoranthene	12.46	202	1390618	92.778	ng	100
77) Pyrene	12.69	202	1171927	61.026	ng	99
80) Benzo(a)anthracene	13.87	228	593268	42.158	ng	96
82) Chrysene	13.90	228	474041	33.863	ng	97
85) Indeno(1,2,3-cd)pyrene	16.66	276	159509	15.489	ng	# 90
87) Benzo(b)fluoranthene	14.89	252	614250	57.797	ng	99
88) Benzo(k)fluoranthene	14.99	252	87504	8.764	ng	95
89) Benzo(a)pyrene	15.24	252	321428	34.164	ng	98
90) Dibenzo(a,h)anthracene	16.67	278	41225	5.382	ng	# 92
91) Benzo(g,h,i)perylene	17.08	276	145416	18.195	ng	91

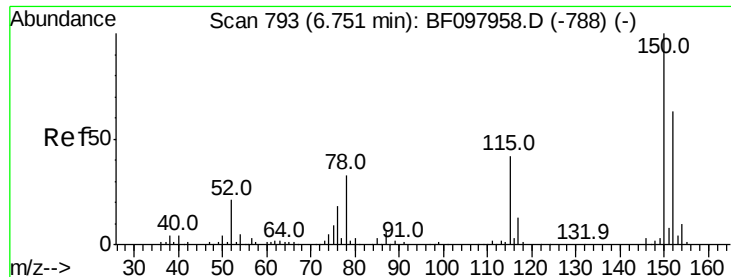
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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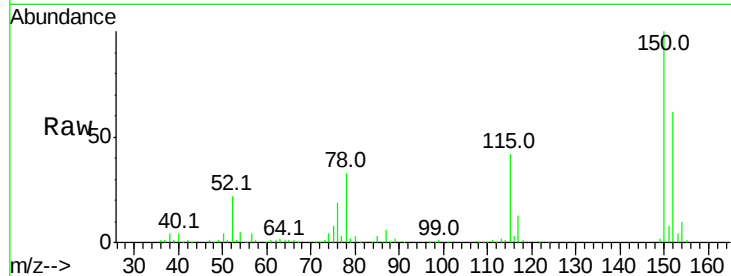


#1

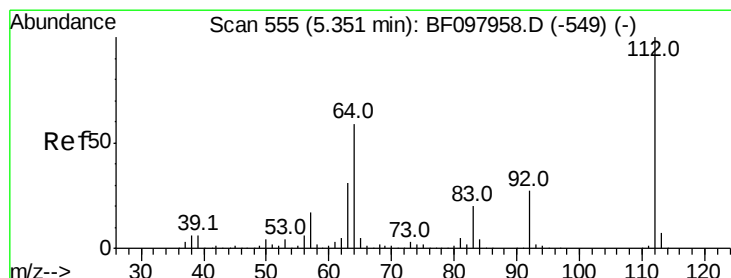
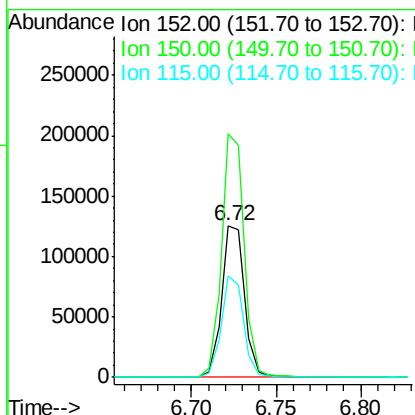
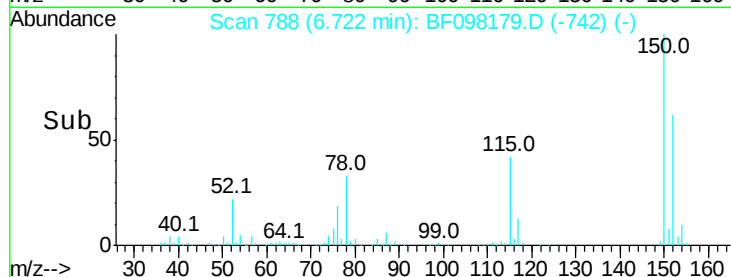
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.03 min
Lab File: BF098179.D
Acq: 31 Aug 2017 2:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 118236
Ion Ratio Lower Upper
152 100
150 160.5 126.2 189.2
115 67.3 52.2 78.2



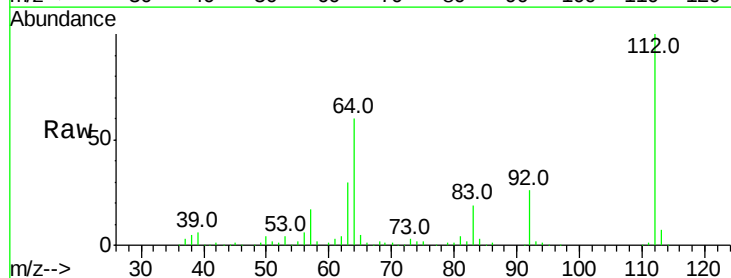
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



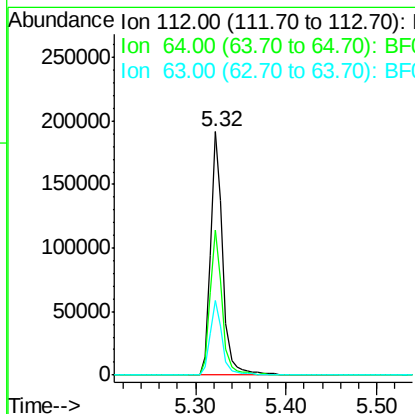
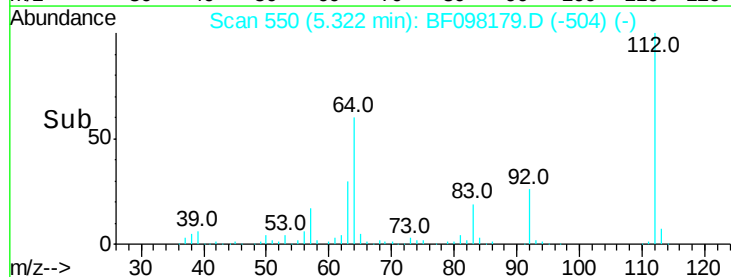
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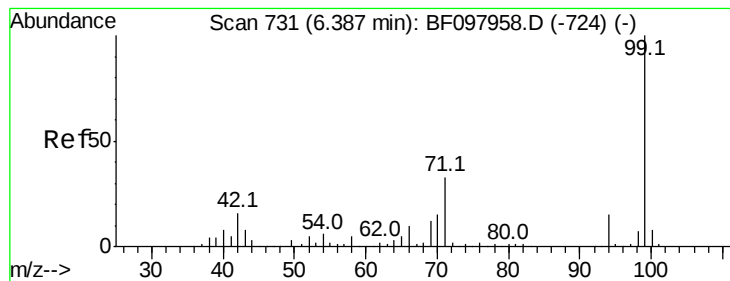
2-Fluorophenol
Concen: 23.499 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.03 min
Lab File: BF098179.D
Acq: 31 Aug 2017 2:09

Tgt Ion:112 Resp: 182666
Ion Ratio Lower Upper
112 100
64 59.6 46.0 69.0
63 30.5 23.4 35.0



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 23.958 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.03 min

Lab File: BF098179.D

Acq: 31 Aug 2017 2:09

Instrument :

BNA_F

ClientSampleId :

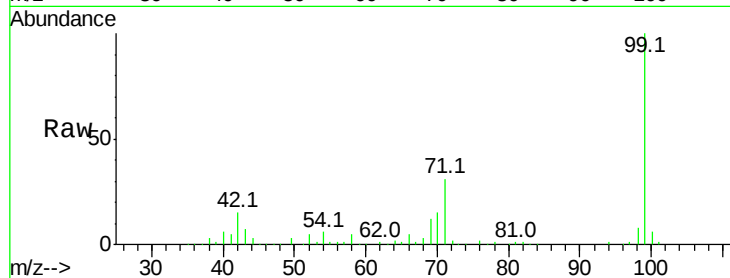
Tot Ion: 99 Resp: 253030

Ion Ratio Lower Upper

99 100

42 14.8 13.5 20.3

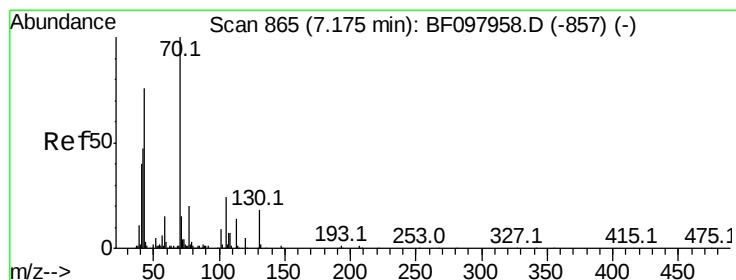
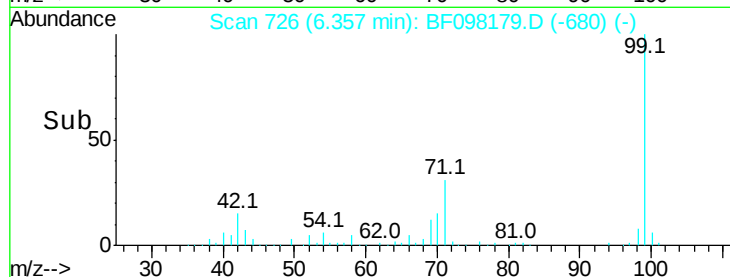
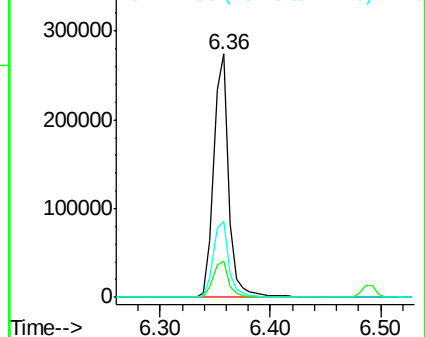
71 31.0 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.342 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.11 min

Lab File: BF098179.D

Acq: 31 Aug 2017 2:09

Tgt Ion: 70 Resp: 16929

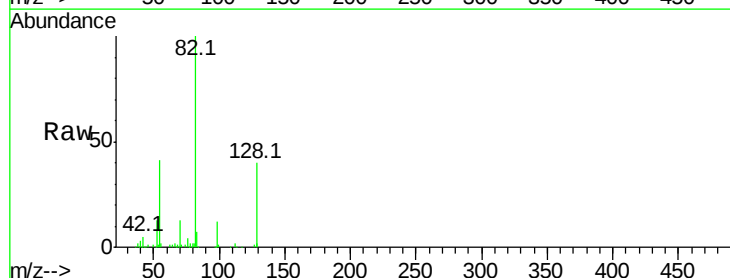
Ion Ratio Lower Upper

70 100

42 41.4 47.2 70.8#

101 0.0 7.2 10.8#

130 0.0 15.9 23.9#

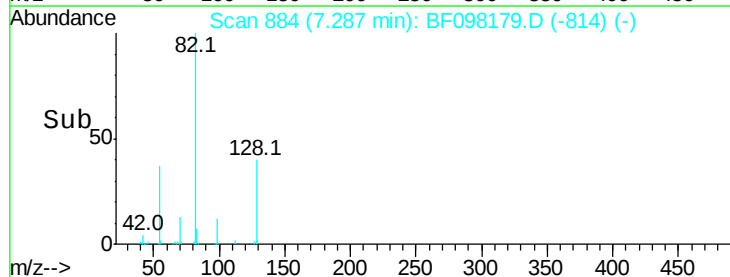
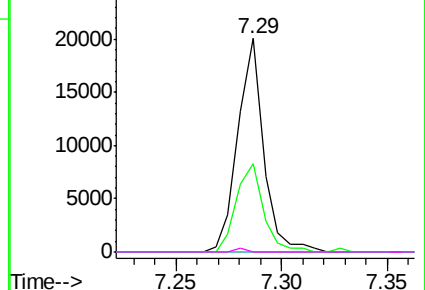


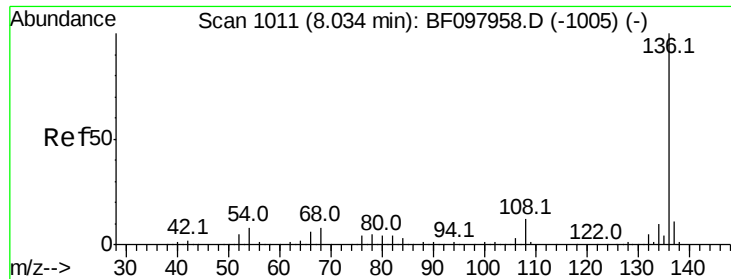
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

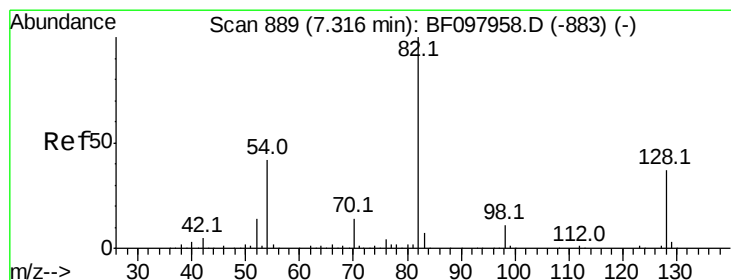
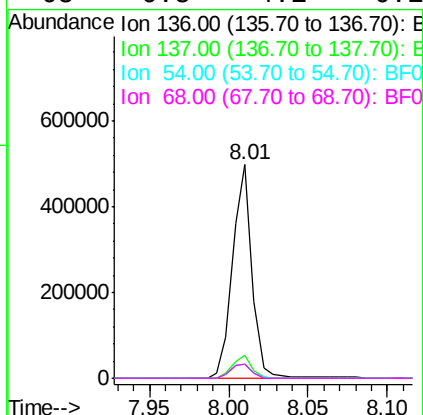
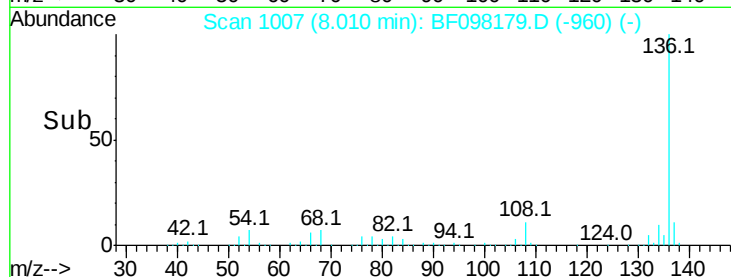
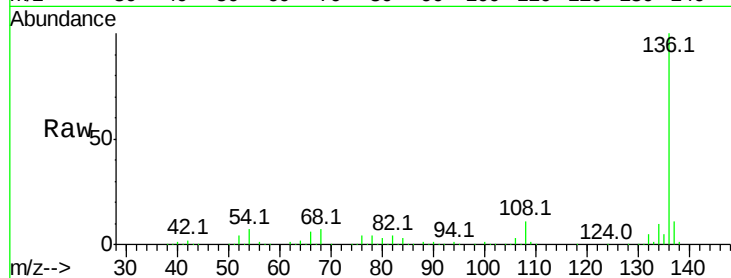




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.02 min
Lab File: BF098179.D
Acq: 31 Aug 2017 2:09

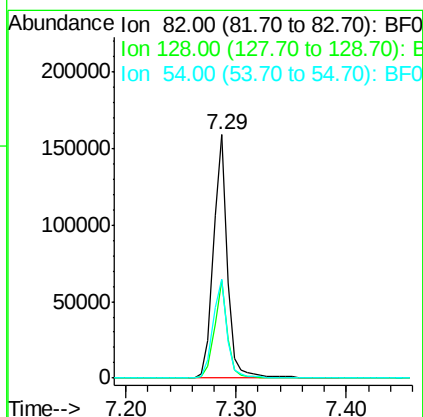
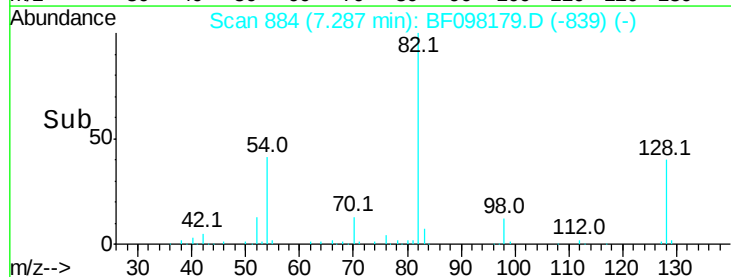
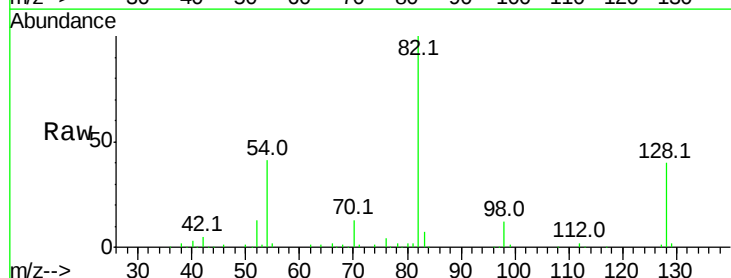
Instrument :
BNA_F
ClientSampleId :

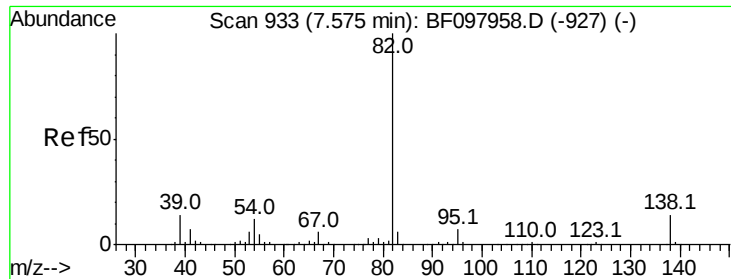
Tot Ion:	136	Resp:	422166
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	6.9	4.9	7.3
68	6.8	4.1	6.1#



#23
Nitrobenzene-d5
Concen: 17.742 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.04 min
Lab File: BF098179.D
Acq: 31 Aug 2017 2:09

Tgt Ion:	82	Resp:	137878
Ion	Ratio	Lower	Upper
82	100		
128	39.9	34.0	51.0
54	40.8	42.2	63.2#





#25

Isophorone

Concen: 8.278 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.29 min

Lab File: BF098179.D

Acq: 31 Aug 2017 2:09

Instrument :

BNA_F

ClientSampleId :

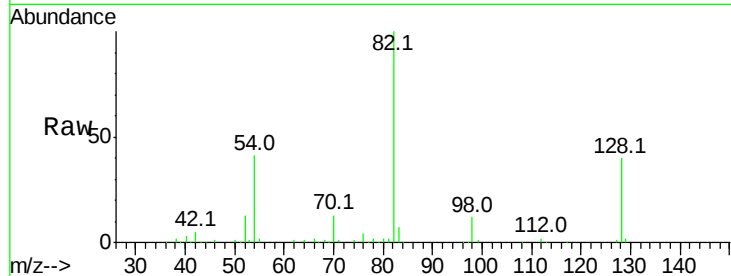
Tot Ion: 82 Resp: 133760

Ion Ratio Lower Upper

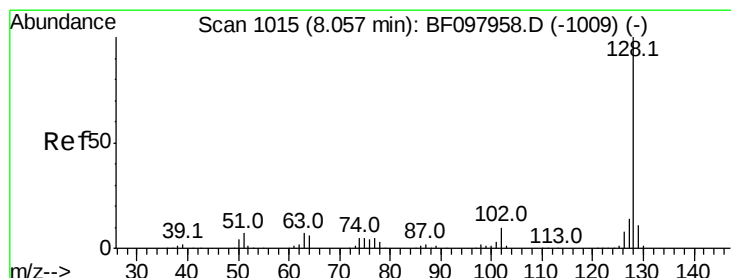
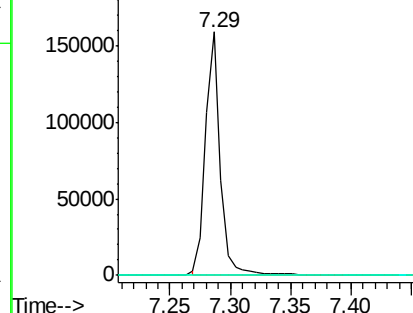
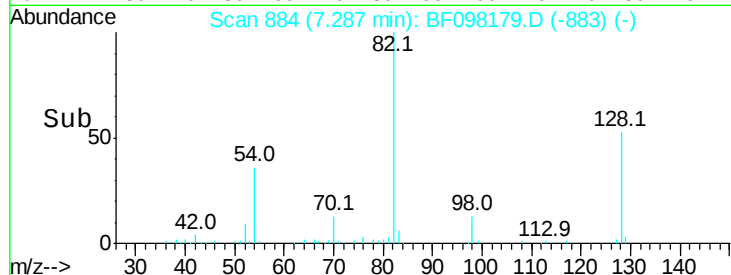
82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



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: 12.682 ng

RT: 8.03 min Scan# 1010

Delta R.T. -0.03 min

Lab File: BF098179.D

Acq: 31 Aug 2017 2:09

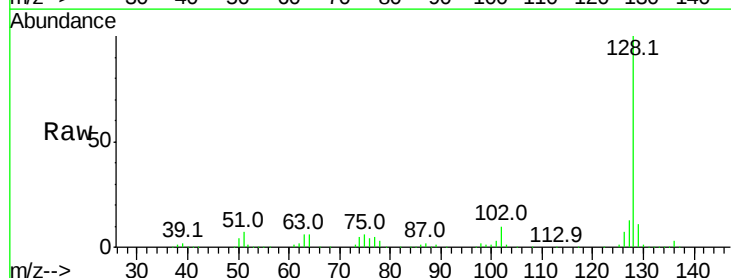
Tgt Ion: 128 Resp: 277939

Ion Ratio Lower Upper

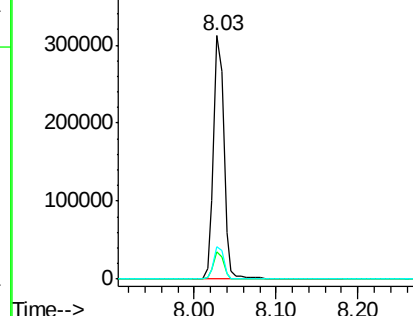
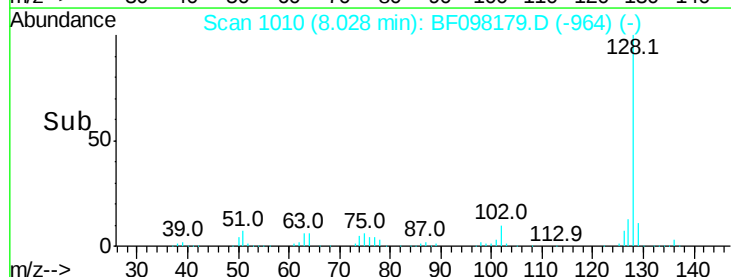
128 100

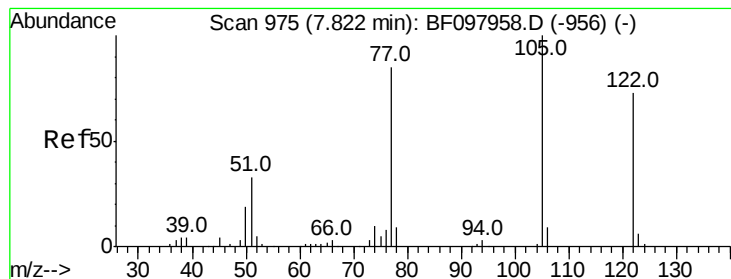
129 11.2 9.0 13.6

127 13.3 10.8 16.2



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





#32

Benzoic acid

Concen: 7.119 ng

RT: 7.80 min Scan# 972

Delta R.T. -0.03 min

Lab File: BF098179.D

Acq: 31 Aug 2017 2:09

Instrument :

BNA_F

ClientSampleId :

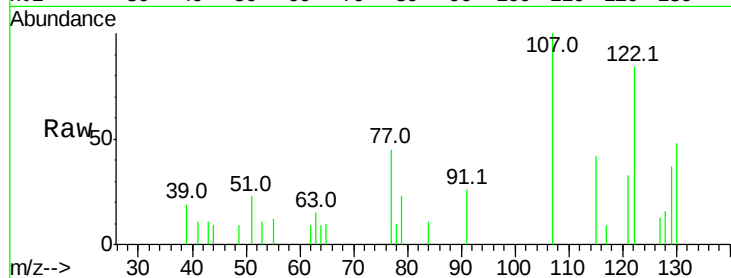
Tot Ion:122 Resp: 4051

Ion Ratio Lower Upper

122 100

105 0.0 103.3 143.3#

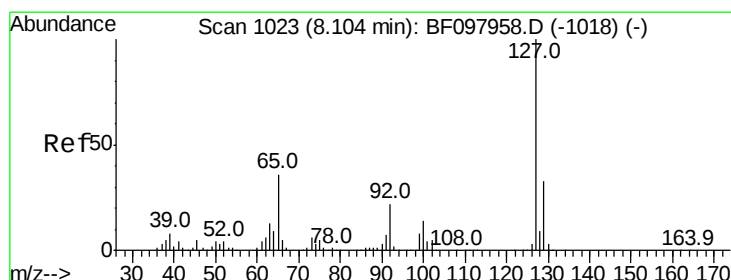
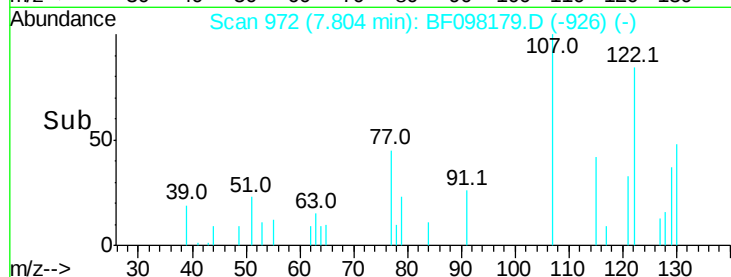
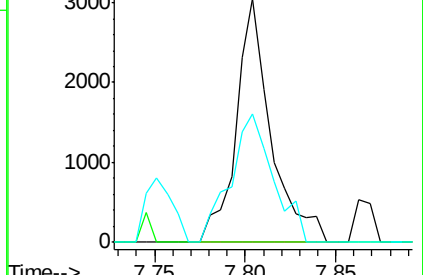
77 52.9 73.7 113.7#



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: 3.957 ng

RT: 8.03 min Scan# 1010

Delta R.T. -0.08 min

Lab File: BF098179.D

Acq: 31 Aug 2017 2:09

Tgt Ion:127 Resp: 36576

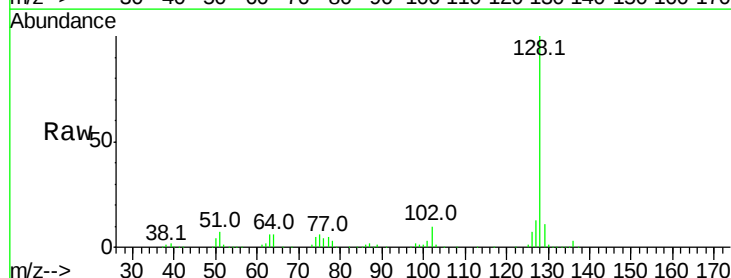
Ion Ratio Lower Upper

127 100

129 84.5 26.2 39.2#

65 0.0 27.8 41.8#

92 0.0 16.8 25.2#

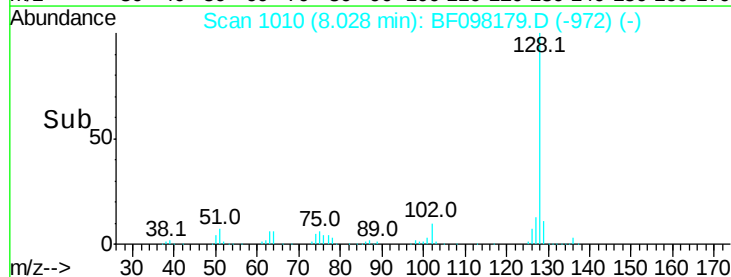
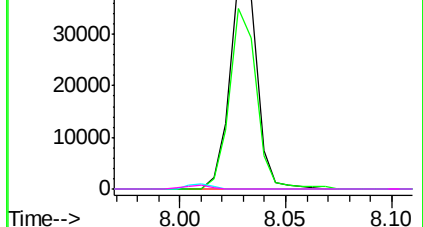


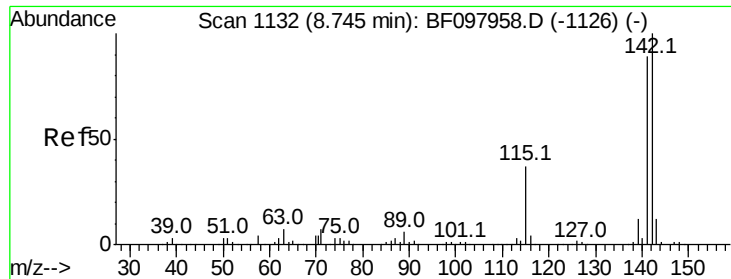
Abundance Ion 127.00 (126.70 to 127.70): E

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

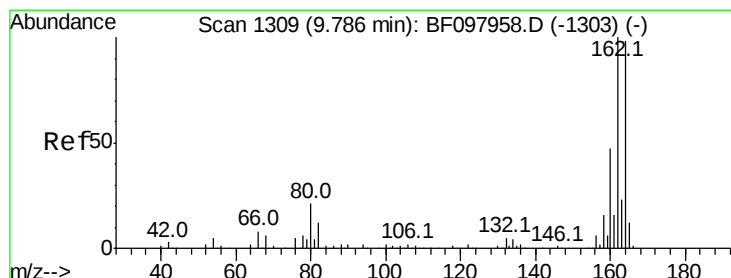
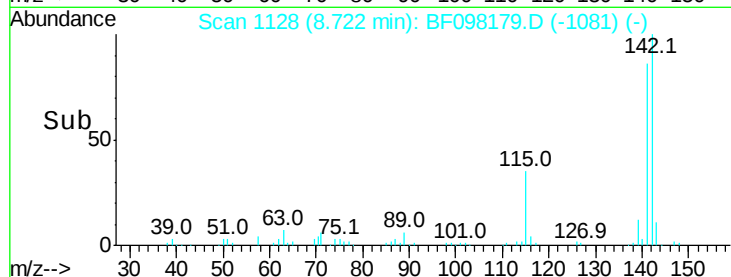
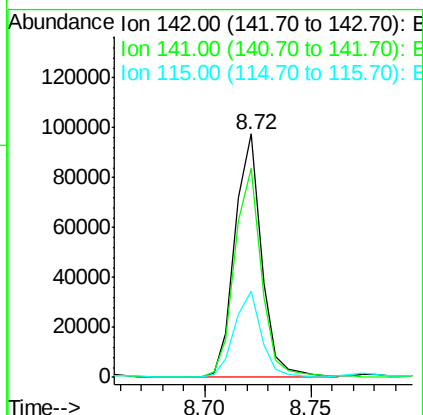
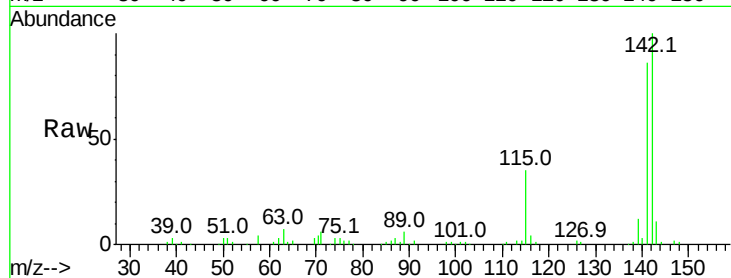




#37
 2-Methylnaphthalene
 Concen: 6.384 ng
 RT: 8.72 min Scan# 1128
 Delta R.T. -0.02 min
 Lab File: BF098179.D
 Acq: 31 Aug 2017 2:09

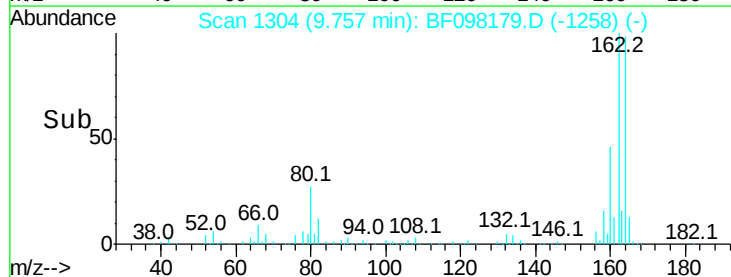
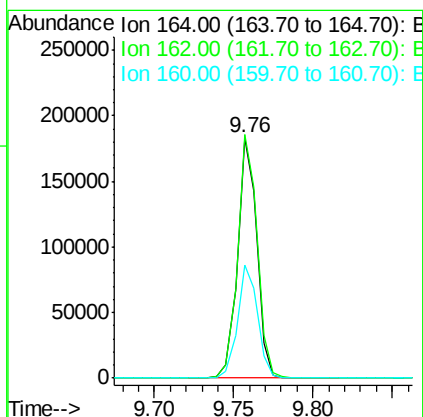
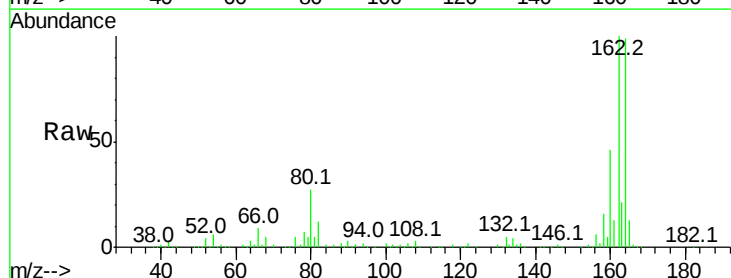
Instrument :
 BNA_F
 ClientSampleId :

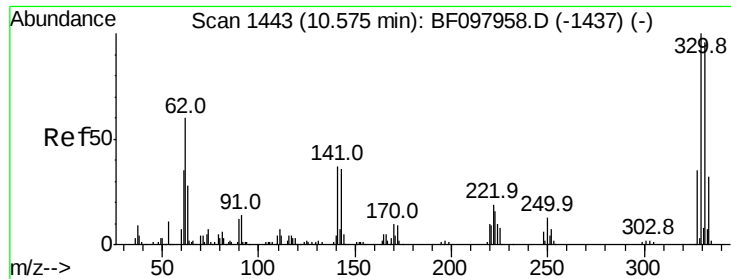
Tot Ion:142 Resp: 85782
 Ion Ratio Lower Upper
 142 100
 141 85.9 71.3 106.9
 115 35.2 27.1 40.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.03 min
 Lab File: BF098179.D
 Acq: 31 Aug 2017 2:09

Tgt Ion:164 Resp: 154807
 Ion Ratio Lower Upper
 164 100
 162 101.3 82.6 123.8
 160 46.9 36.2 54.2

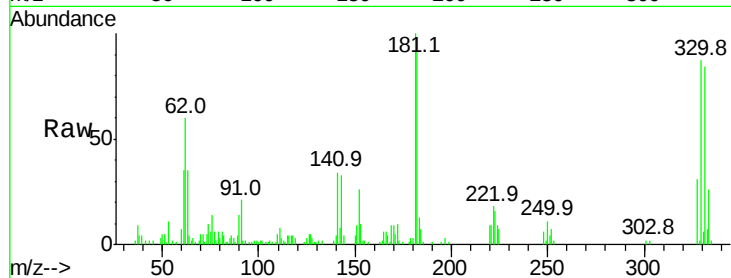




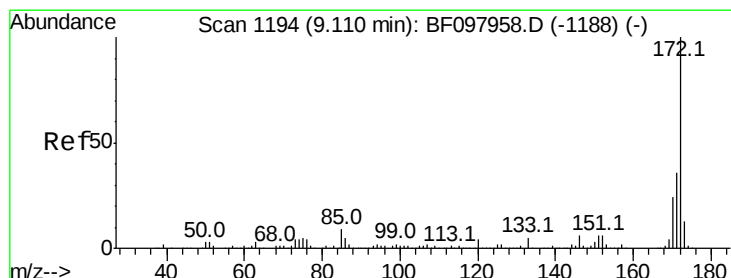
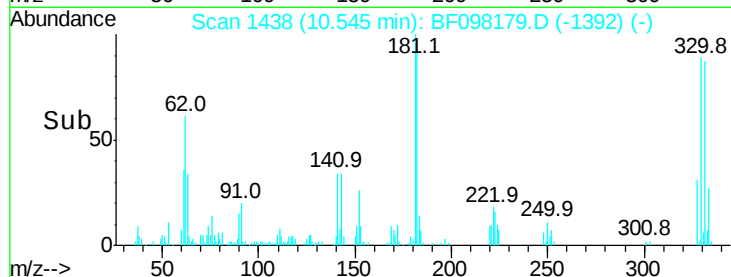
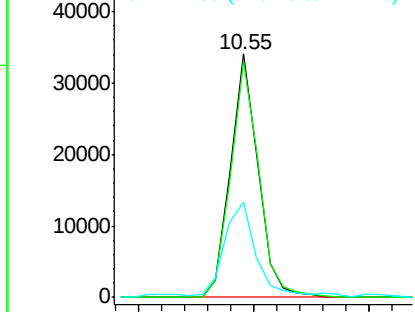
#41
 2,4,6-Tribromophenol
 Concen: 21.249 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.03 min
 Lab File: BF098179.D
 Acq: 31 Aug 2017 2:09

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.5	76.6	115.0
141	46.2	31.4	47.2

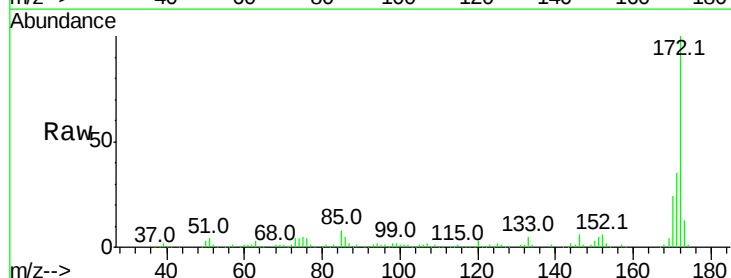


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

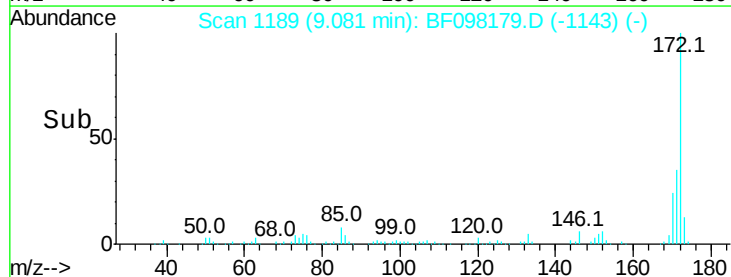
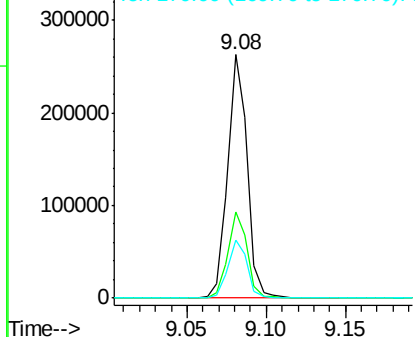


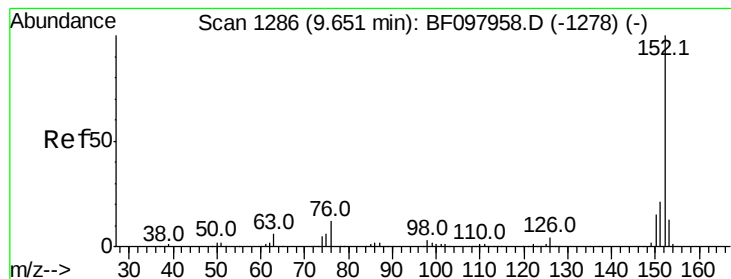
#44
 2-Fluorobiphenyl
 Concen: 21.213 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.03 min
 Lab File: BF098179.D
 Acq: 31 Aug 2017 2:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.6	44.4
170	23.7	19.8	29.8



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





#48

Acenaphthylene

Concen: 7.506 ng

RT: 9.62 min Scan# 1281

Delta R.T. -0.03 min

Lab File: BF098179.D

Acq: 31 Aug 2017 2:09

Instrument :

BNA_F

ClientSampleId :

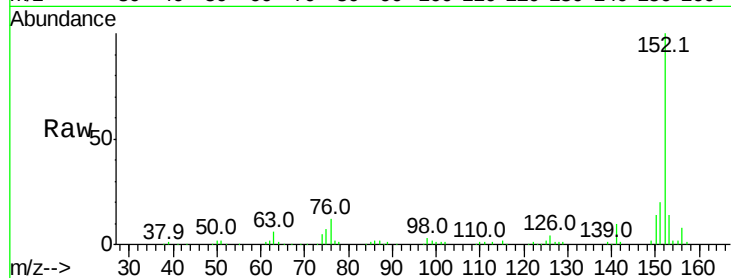
Tot Ion:152 Resp: 122951

Ion Ratio Lower Upper

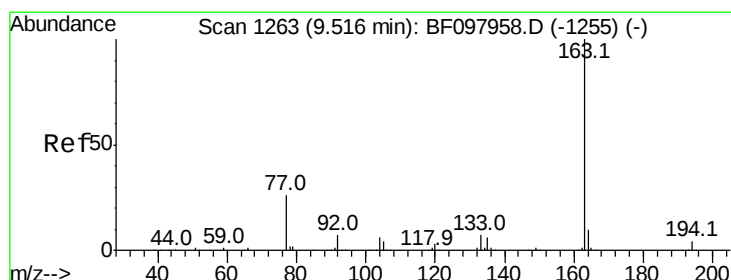
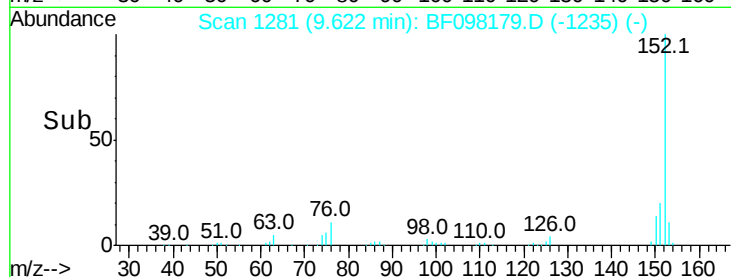
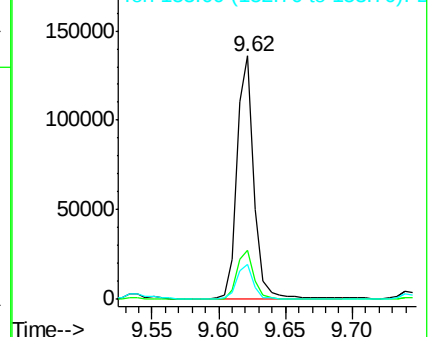
152 100

151 20.3 16.8 25.2

153 14.1 10.8 16.2



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



#49

Dimethylphthalate

Concen: 2.928 ng

RT: 9.47 min Scan# 1256

Delta R.T. -0.04 min

Lab File: BF098179.D

Acq: 31 Aug 2017 2:09

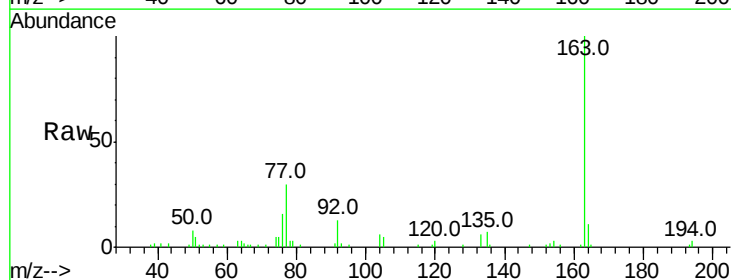
Tgt Ion:163 Resp: 33135

Ion Ratio Lower Upper

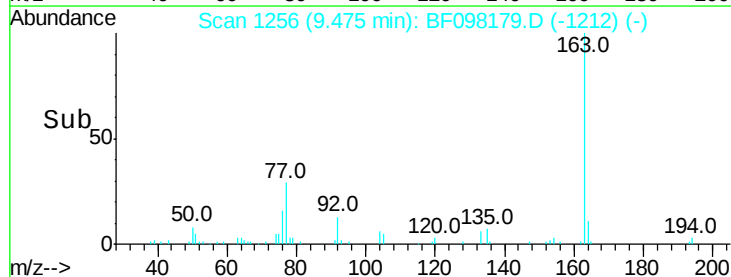
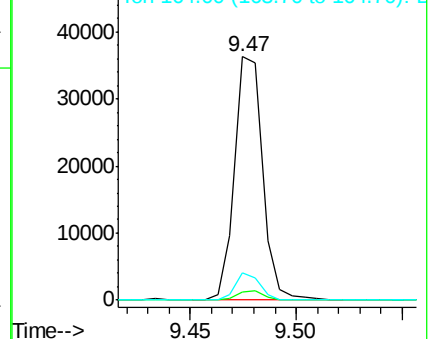
163 100

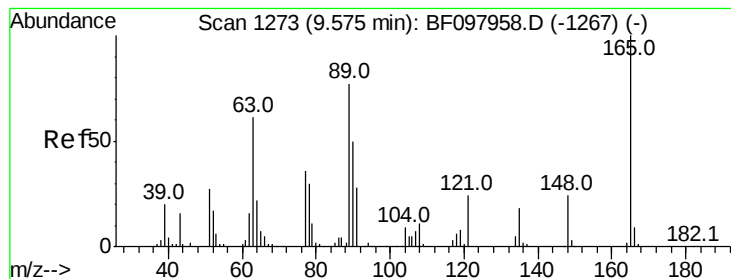
194 3.2 2.6 4.0

164 11.2 8.4 12.6



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: 10.249 ng

RT: 9.76 min Scan# 1304

Delta R.T. 0.18 min

Lab File: BF098179.D

Acq: 31 Aug 2017 2:09

Instrument :

BNA_F

ClientSampleId :

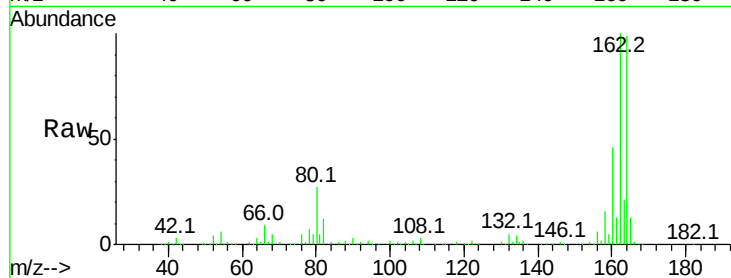
Tot Ion:165 Resp: 23151

Ion Ratio Lower Upper

165 100

63 2.4 34.3 51.5#

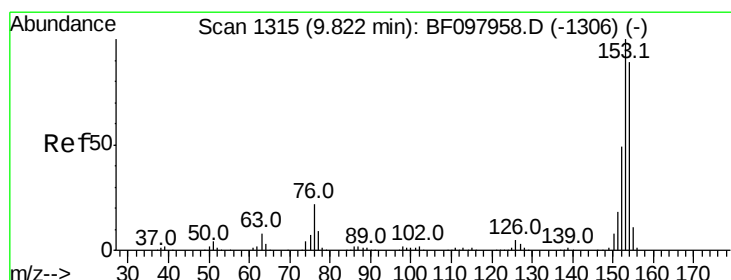
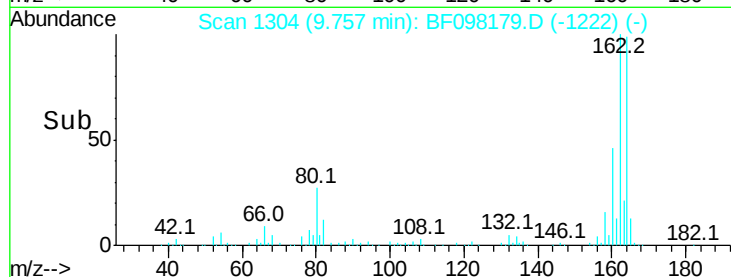
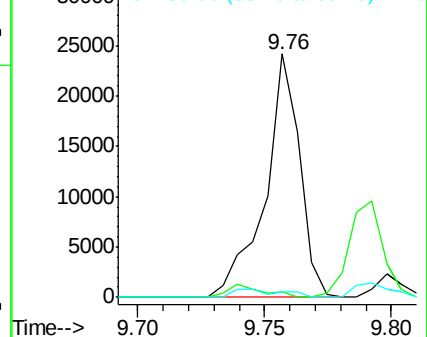
89 2.1 37.1 55.7#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#51

Acenaphthene

Concen: 9.025 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.03 min

Lab File: BF098179.D

Acq: 31 Aug 2017 2:09

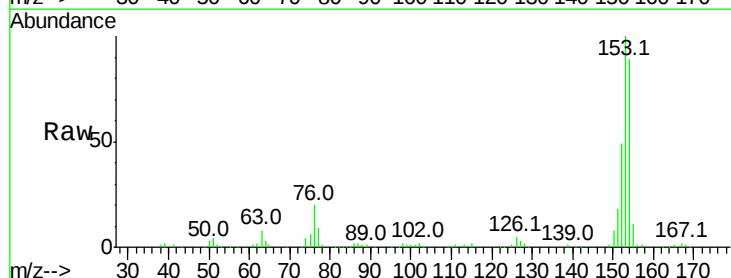
Tgt Ion:154 Resp: 93235

Ion Ratio Lower Upper

154 100

153 112.2 90.5 135.7

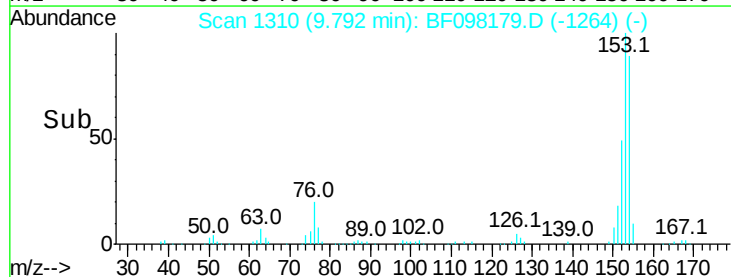
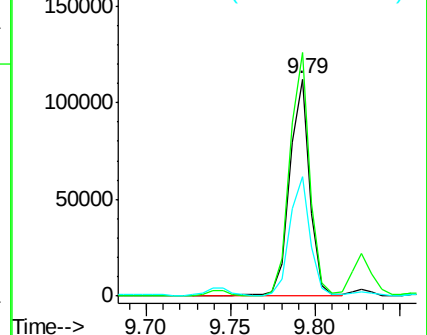
152 54.9 43.6 65.4

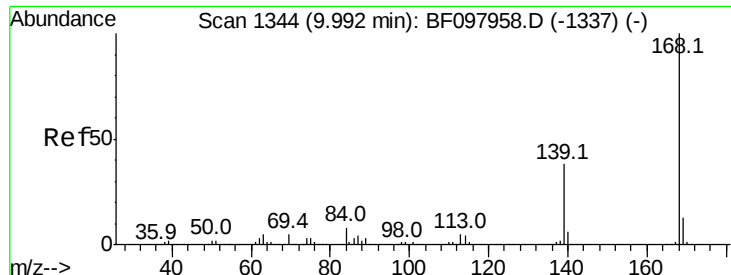


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#54

Dibenzofuran

Concen: 11.874 ng

RT: 9.96 min Scan# 1339

Delta R.T. -0.03 min

Lab File: BF098179.D

Acq: 31 Aug 2017 2:09

Instrument :
BNA_F
ClientSampled :

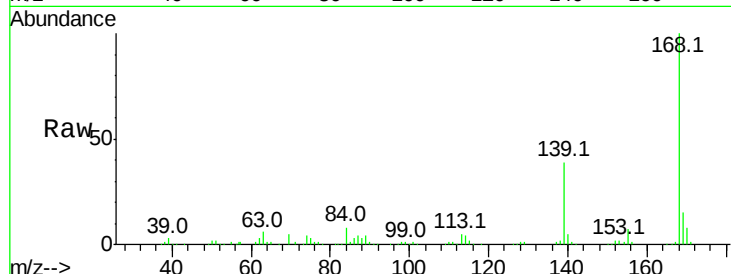
Tot Ion:168 Resp: 164393

Ion Ratio Lower Upper

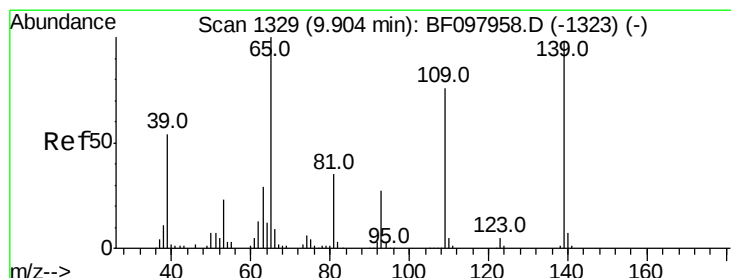
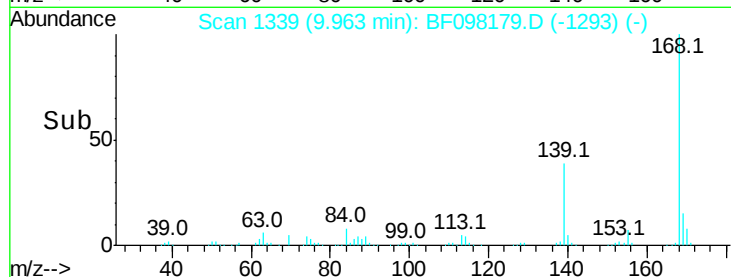
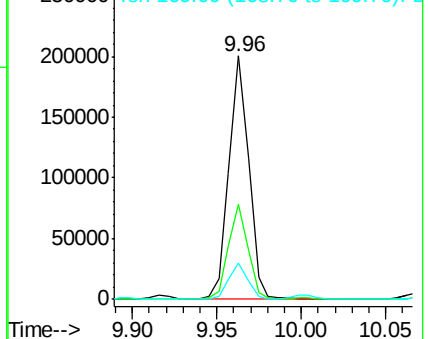
168 100

139 39.2 30.6 45.8

169 14.7 10.8 16.2



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



#55

4-Nitrophenol

Concen: 27.001 ng

RT: 9.96 min Scan# 1339

Delta R.T. 0.06 min

Lab File: BF098179.D

Acq: 31 Aug 2017 2:09

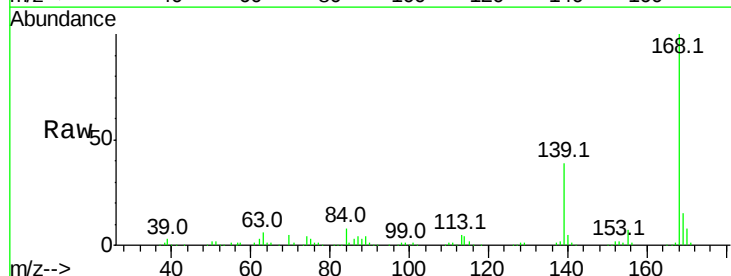
Tgt Ion:139 Resp: 62771

Ion Ratio Lower Upper

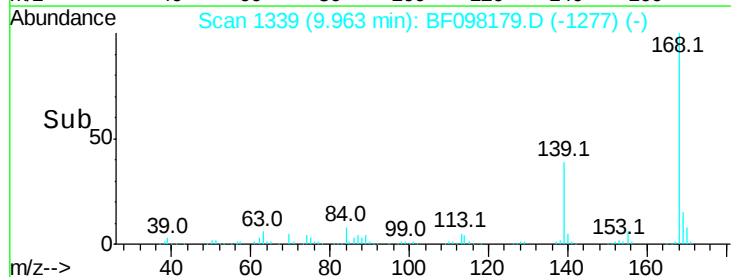
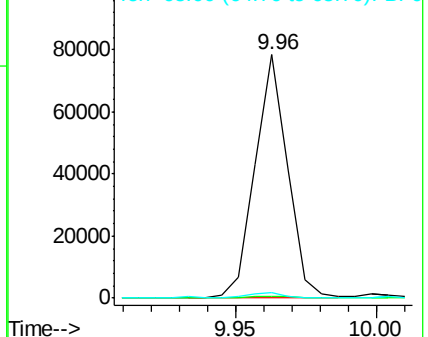
139 100

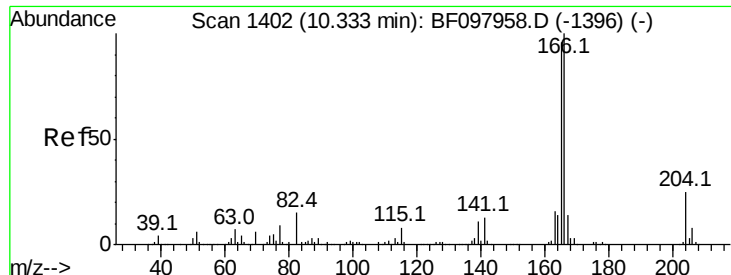
109 1.0 34.1 74.1#

65 2.3 31.4 71.4#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

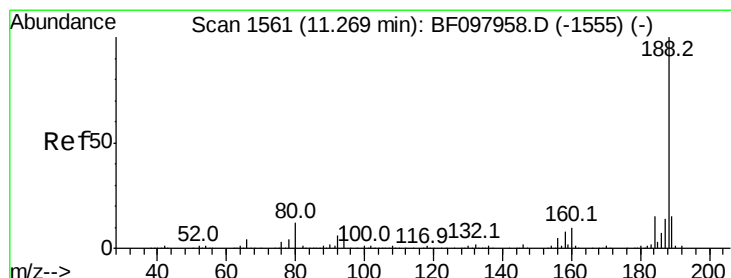
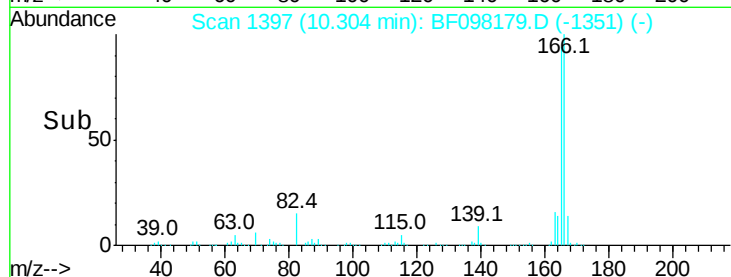
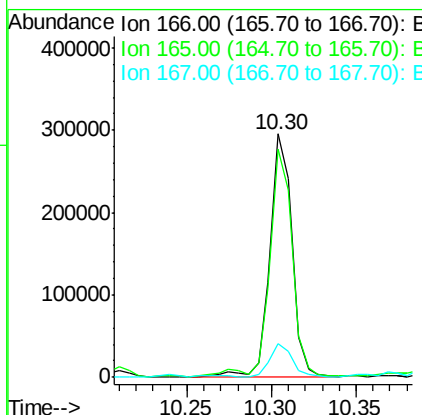
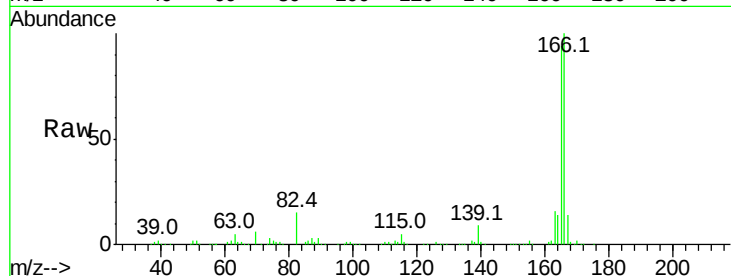




#57
Fluorene
 Concen: 24.590 ng
 RT: 10.30 min Scan# 1397
 Delta R.T. -0.03 min
 Lab File: BF098179.D
 Acq: 31 Aug 2017 2:09

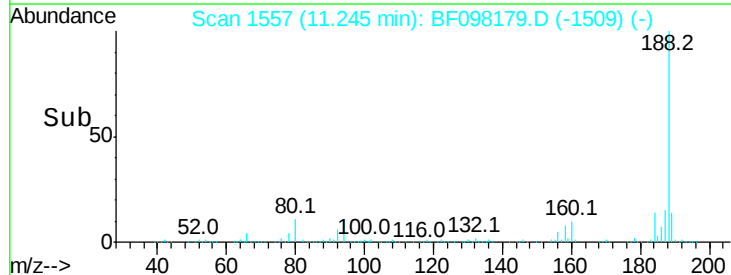
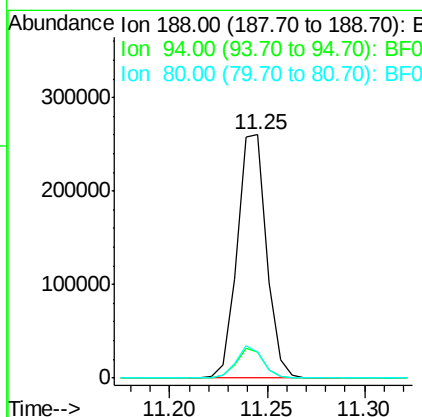
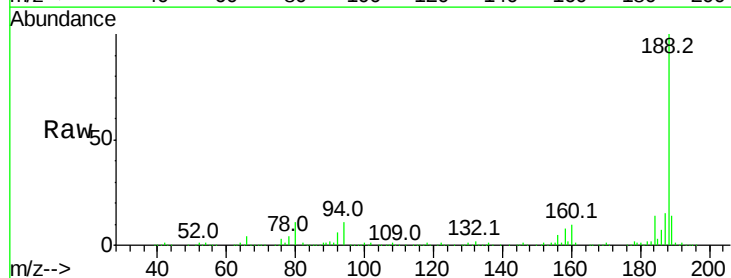
Instrument :
 BNA_F
 ClientSampleId :

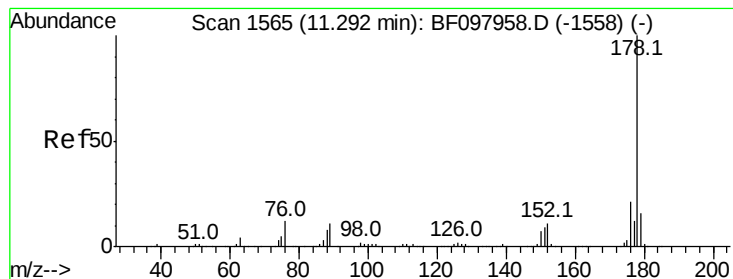
Tot Ion	Ratio	Lower	Upper
166	100		
165	93.8	78.8	118.2
167	13.8	10.6	16.0



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1557
 Delta R.T. -0.02 min
 Lab File: BF098179.D
 Acq: 31 Aug 2017 2:09

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.7	9.4	14.2
80	10.8	10.2	15.2





#70

Phenanthrene

Concen: 95.669 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.02 min

Lab File: BF098179.D

Acq: 31 Aug 2017 2:09

Instrument :

BNA_F

ClientSampleId :

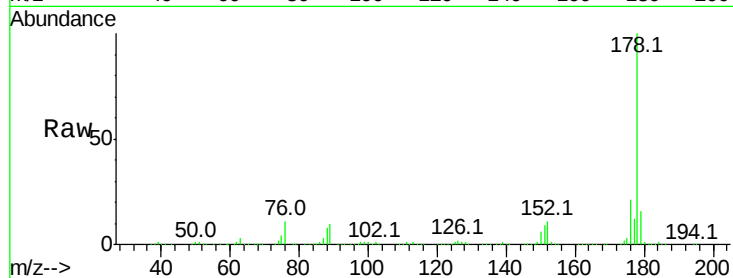
Tot Ion:178 Resp: 1373816

Ion Ratio Lower Upper

178 100

176 20.6 16.2 24.4

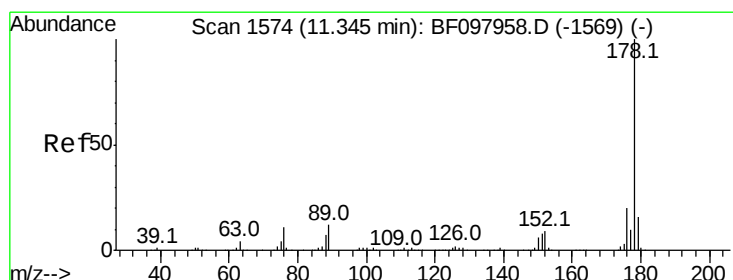
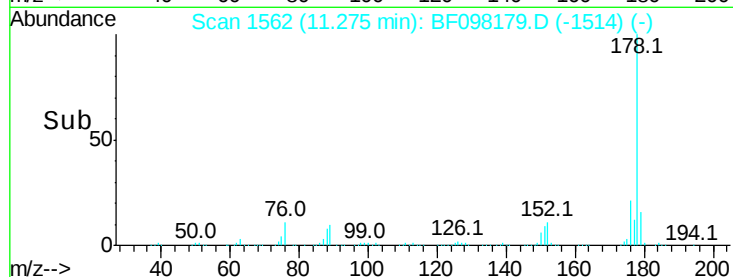
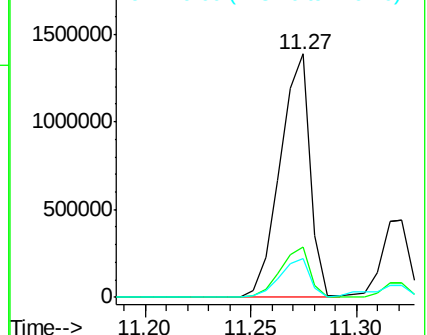
179 15.7 12.6 19.0



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



#71

Anthracene

Concen: 27.341 ng

RT: 11.32 min Scan# 1570

Delta R.T. -0.02 min

Lab File: BF098179.D

Acq: 31 Aug 2017 2:09

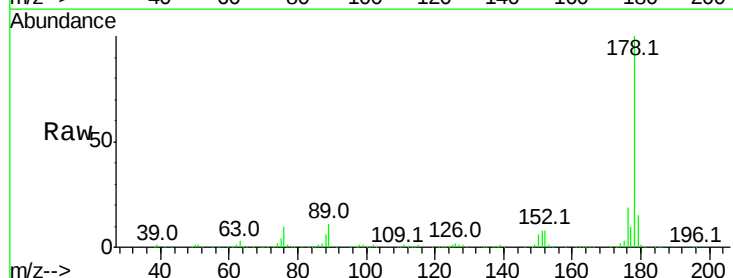
Tgt Ion:178 Resp: 398220

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.8

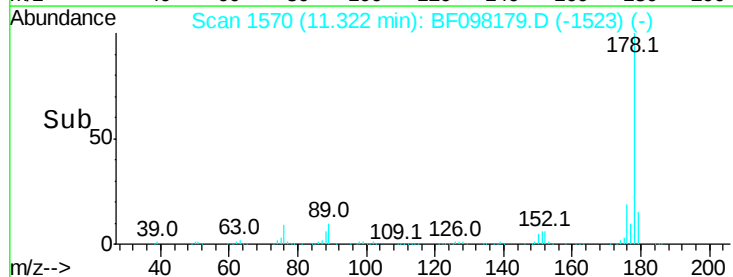
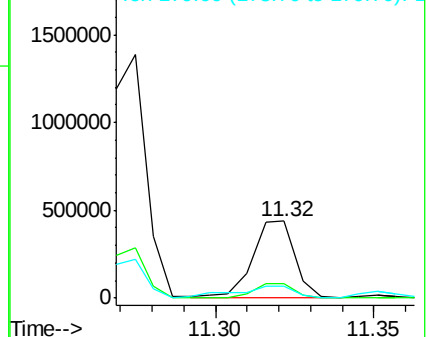
179 15.3 12.7 19.1

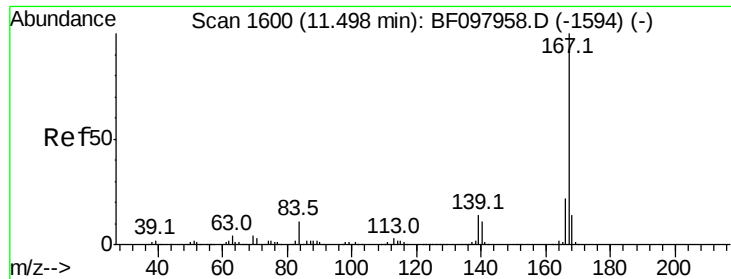


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 17.918 ng

RT: 11.47 min Scan# 1596

Delta R.T. -0.02 min

Lab File: BF098179.D

Acq: 31 Aug 2017 2:09

Instrument :

BNA_F

ClientSampleId :

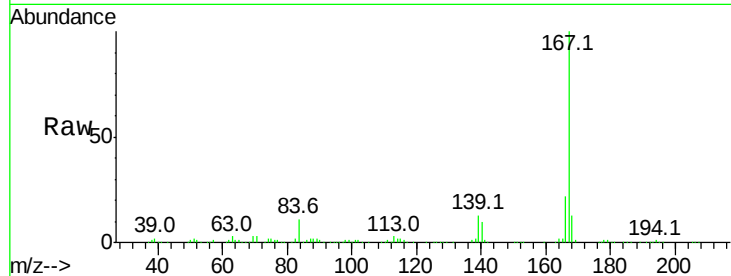
Tot Ion:167 Resp: 247719

Ion Ratio Lower Upper

167 100

166 21.9 18.1 27.1

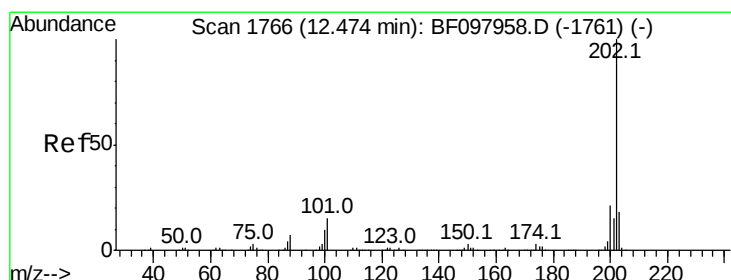
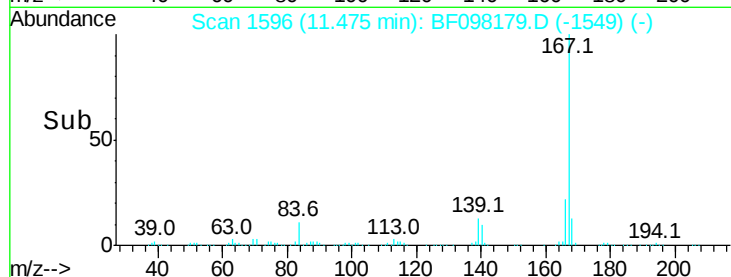
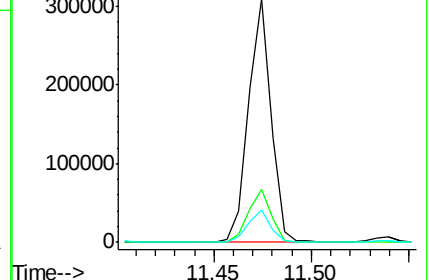
139 13.3 11.7 17.5



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: 92.778 ng

RT: 12.46 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BF098179.D

Acq: 31 Aug 2017 2:09

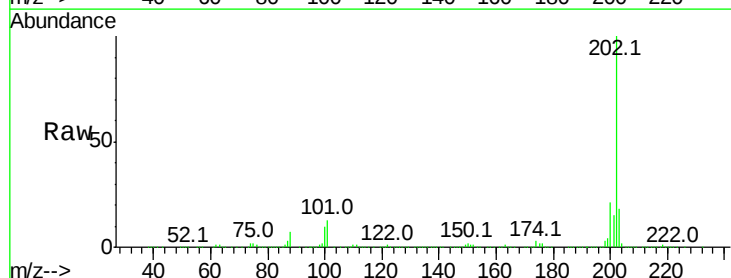
Tgt Ion:202 Resp: 1390618

Ion Ratio Lower Upper

202 100

101 13.3 0.0 33.2

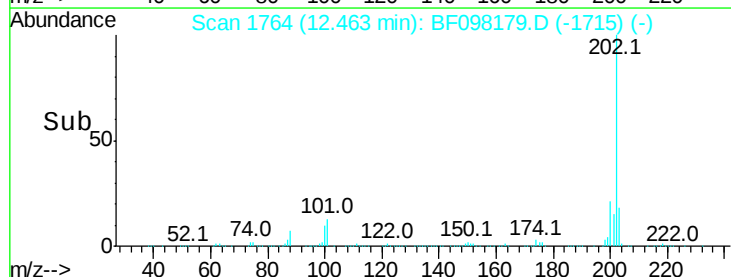
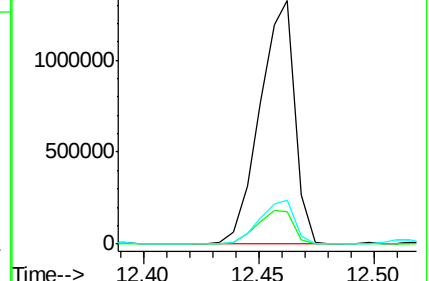
203 17.9 0.0 38.1

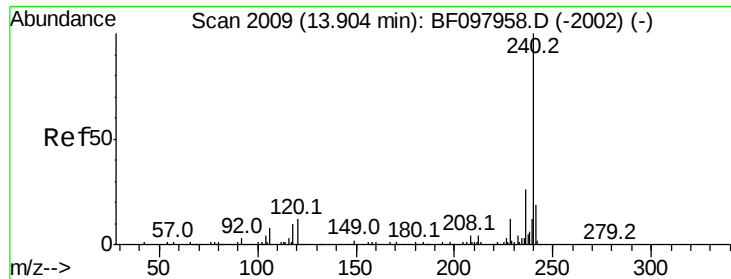


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.02 min

Lab File: BF098179.D

Acq: 31 Aug 2017 2:09

Instrument :

BNA_F

ClientSampleId :

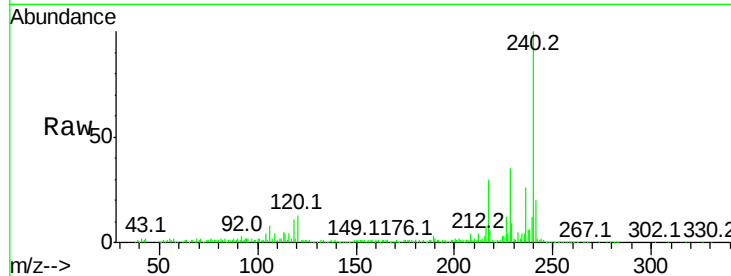
Tot Ion:240 Resp: 234798

Ion Ratio Lower Upper

240 100

120 12.6 5.8 8.8#

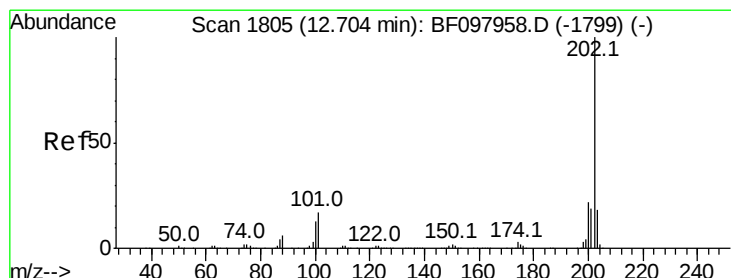
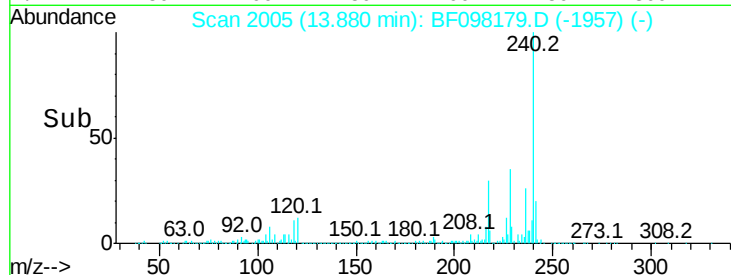
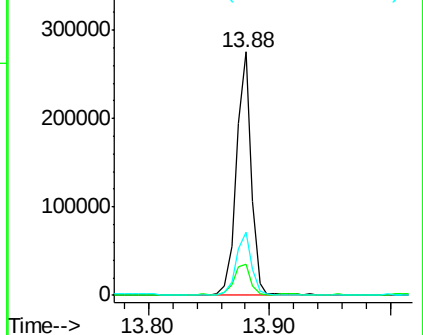
236 25.7 20.5 30.7



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: 61.026 ng

RT: 12.69 min Scan# 1802

Delta R.T. -0.02 min

Lab File: BF098179.D

Acq: 31 Aug 2017 2:09

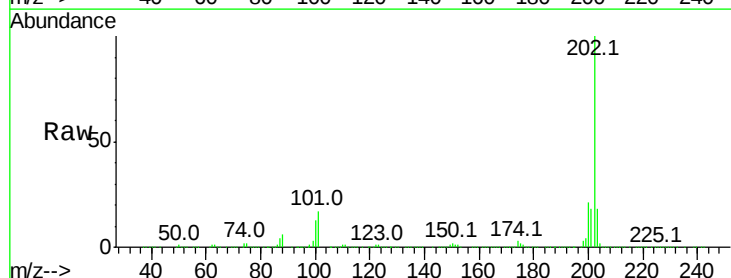
Tgt Ion:202 Resp: 1171927

Ion Ratio Lower Upper

202 100

200 21.2 17.6 26.4

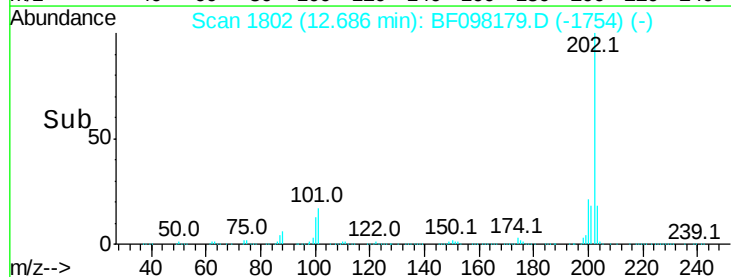
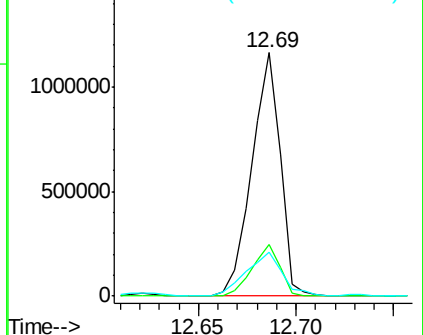
203 18.0 14.4 21.6

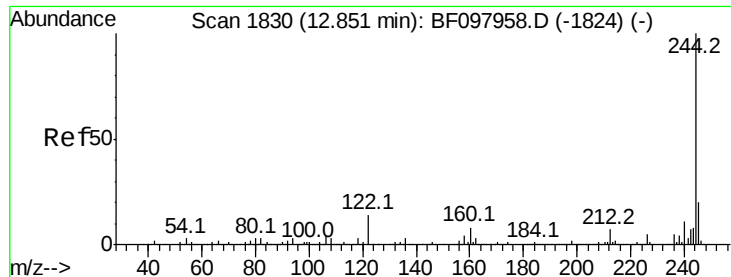


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 15.262 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.03 min

Lab File: BF098179.D

Acq: 31 Aug 2017 2:09

Instrument :

BNA_F

ClientSampleId :

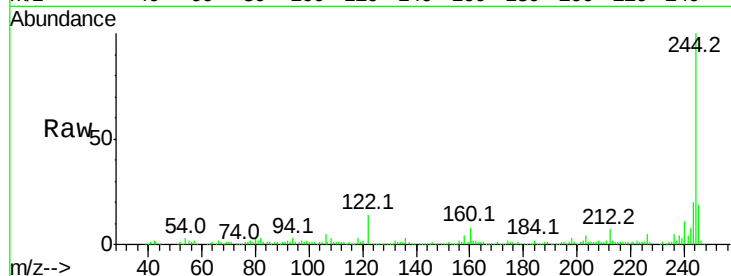
Tot Ion:244 Resp: 171843

Ion Ratio Lower Upper

244 100

212 7.2 6.0 9.0

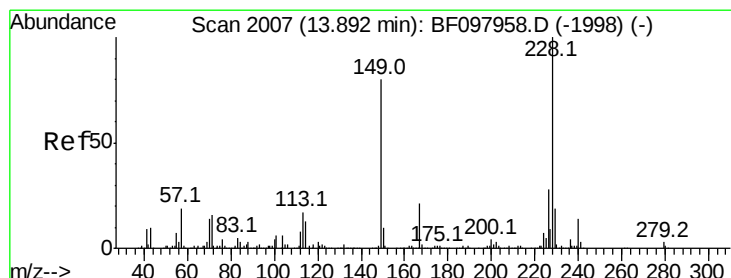
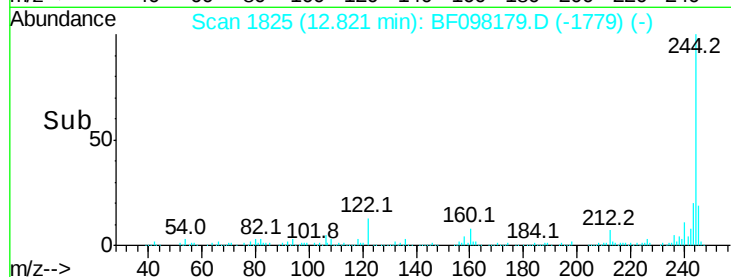
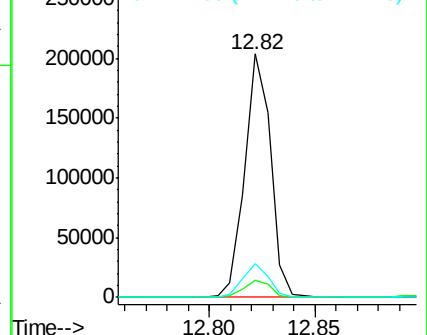
122 13.6 10.3 15.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 42.158 ng

RT: 13.87 min Scan# 2003

Delta R.T. -0.02 min

Lab File: BF098179.D

Acq: 31 Aug 2017 2:09

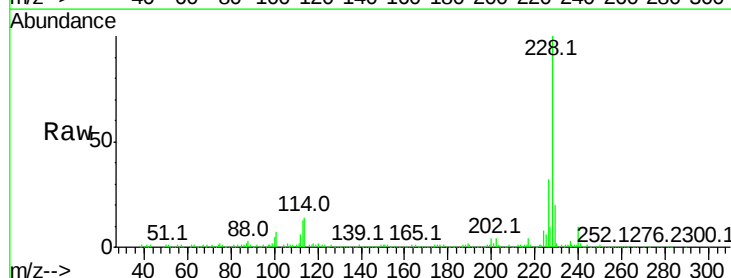
Tgt Ion:228 Resp: 593268

Ion Ratio Lower Upper

228 100

226 31.8 22.6 33.8

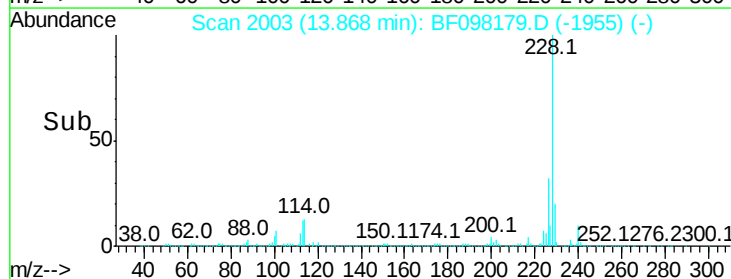
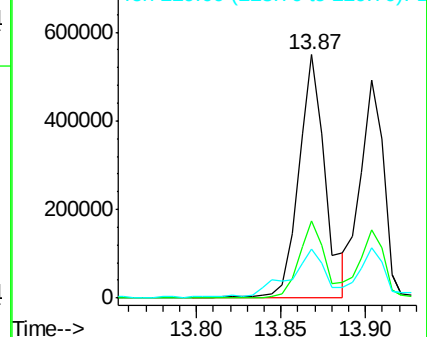
229 20.2 16.3 24.5

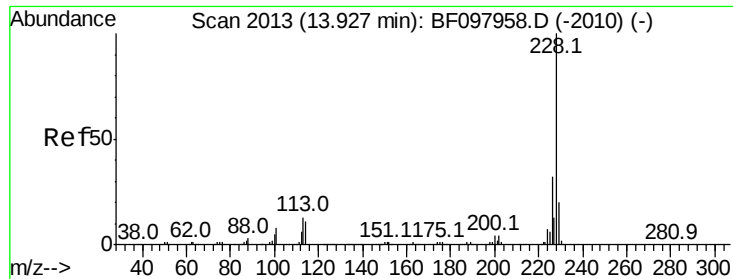


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 33.863 ng

RT: 13.90 min Scan# 2009

Delta R.T. -0.02 min

Lab File: BF098179.D

Acq: 31 Aug 2017 2:09

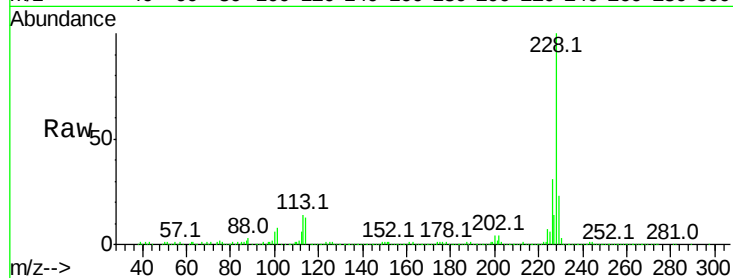
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 474041

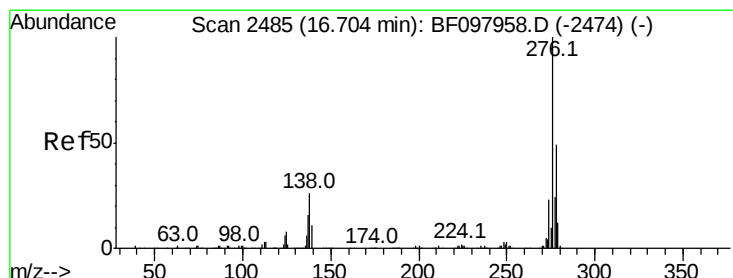
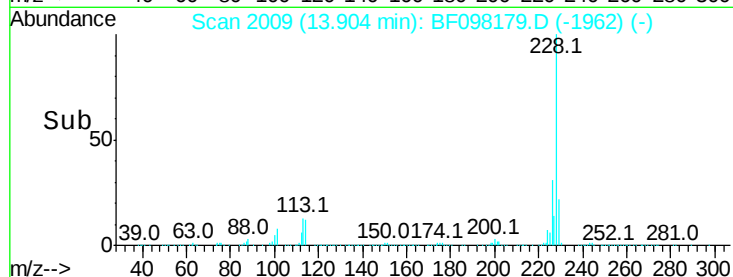
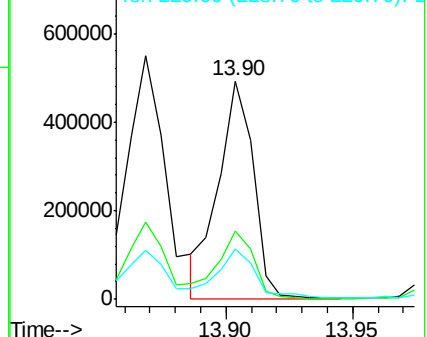
Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.9	37.3
229	23.0	15.8	23.6



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 15.489 ng

RT: 16.66 min Scan# 2478

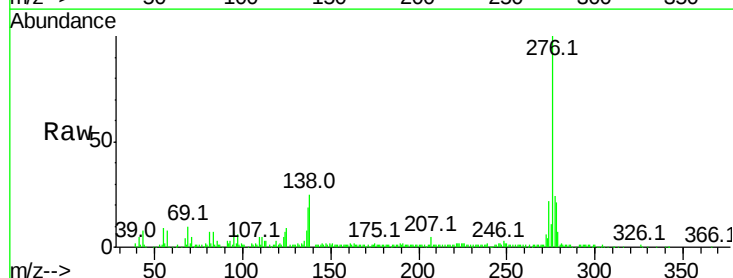
Delta R.T. -0.02 min

Lab File: BF098179.D

Acq: 31 Aug 2017 2:09

Tgt Ion:276 Resp: 159509

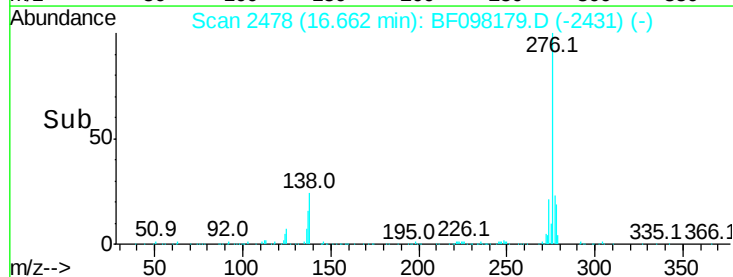
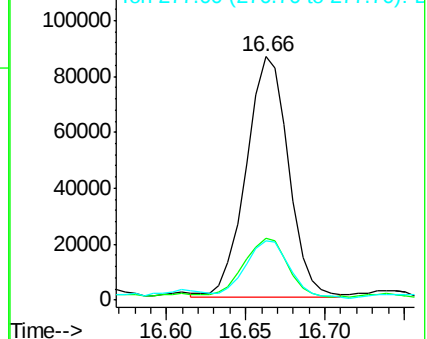
Ion	Ratio	Lower	Upper
276	100		
138	24.7	27.8	41.6#
277	24.9	20.2	30.4

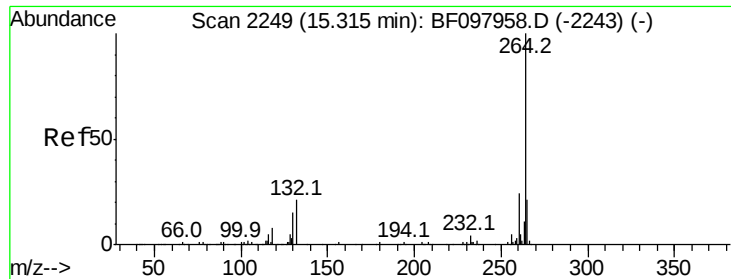


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

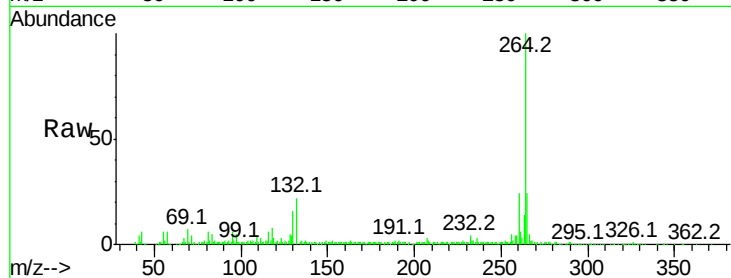




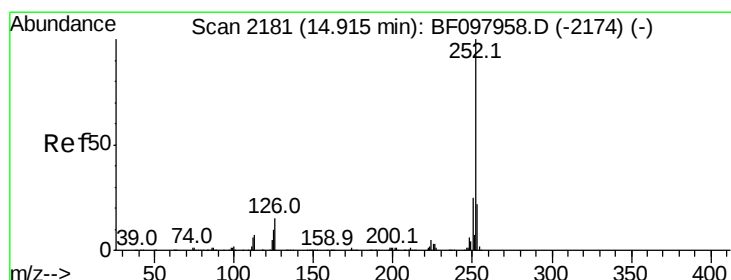
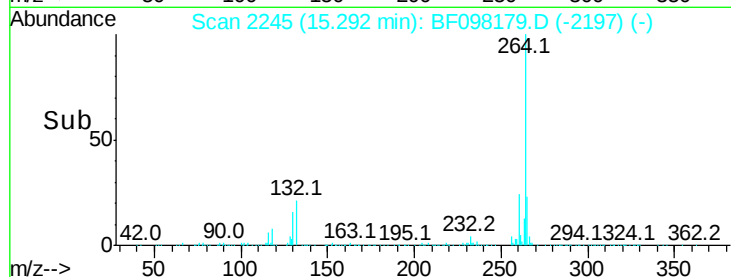
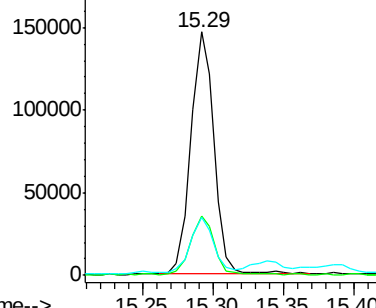
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2245
Delta R.T. -0.02 min
Lab File: BF098179.D
Acq: 31 Aug 2017 2:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.5	29.3
265	24.0	17.2	25.8

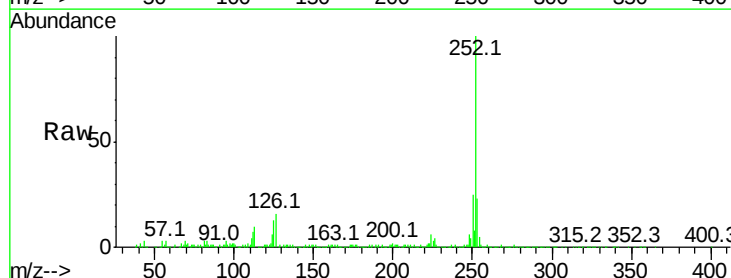


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

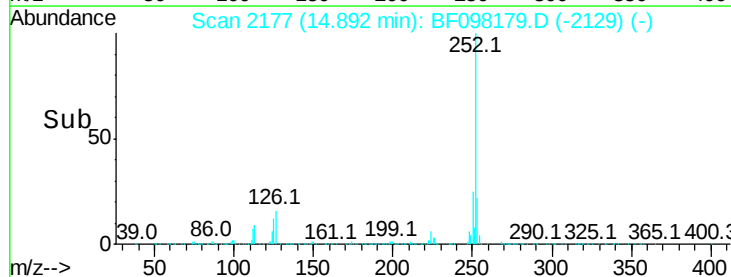
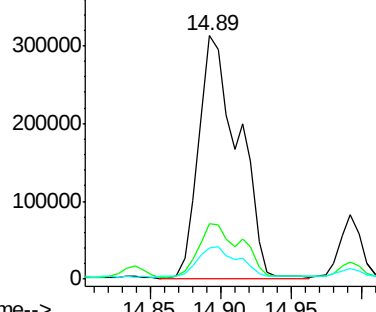


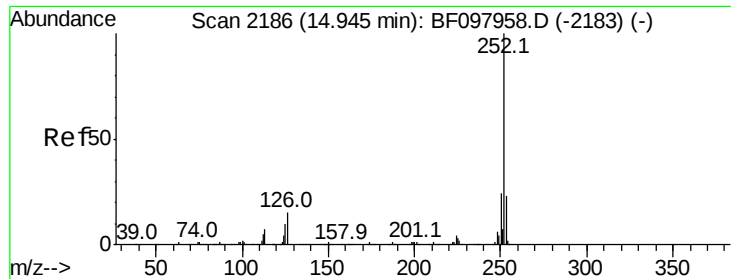
#87
Benzo(b)fluoranthene
Concen: 57.797 ng
RT: 14.89 min Scan# 2177
Delta R.T. -0.02 min
Lab File: BF098179.D
Acq: 31 Aug 2017 2:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	13.0	9.8	14.8



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

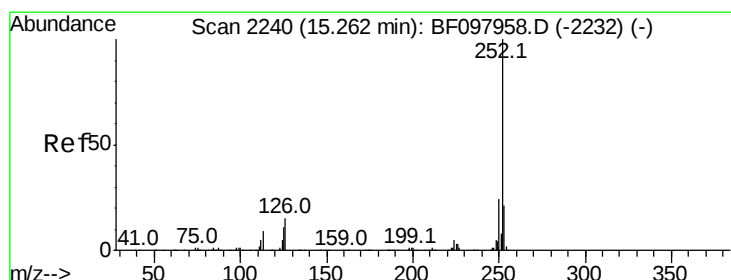
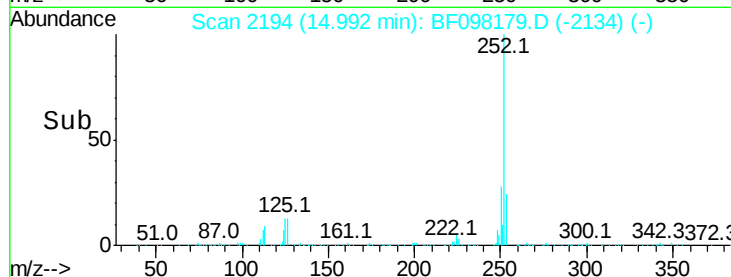
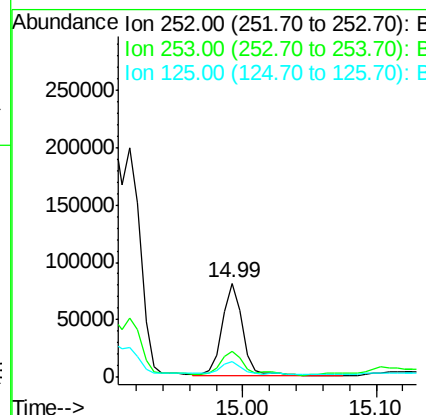
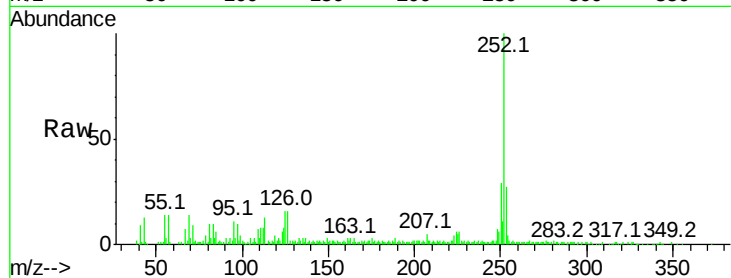




#88
 Benzo(k)fluoranthene
 Concen: 8.764 ng
 RT: 14.99 min Scan# 2194
 Delta R.T. 0.05 min
 Lab File: BF098179.D
 Acq: 31 Aug 2017 2:09

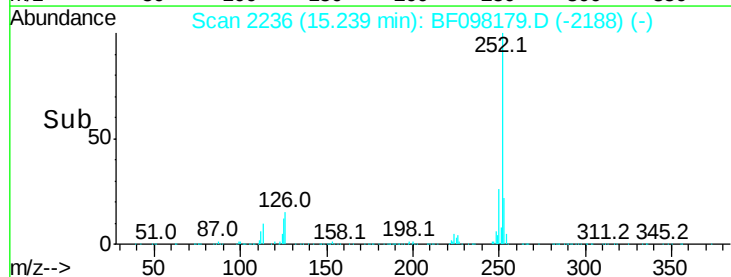
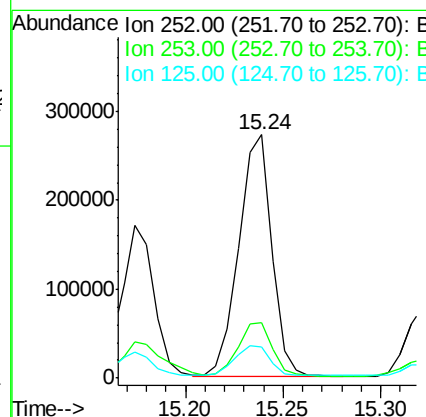
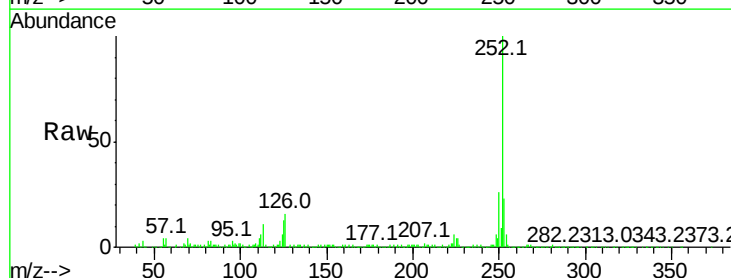
Instrument :
 BNA_F
 ClientSampleId :

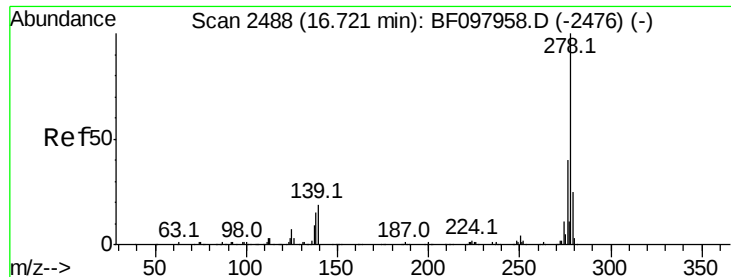
Tot Ion	Ratio	Lower	Upper
252	100		
253	27.4	18.4	27.6
125	16.3	13.1	19.7



#89
 Benzo(a)pyrene
 Concen: 34.164 ng
 RT: 15.24 min Scan# 2236
 Delta R.T. -0.02 min
 Lab File: BF098179.D
 Acq: 31 Aug 2017 2:09

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	12.8	11.0	16.4

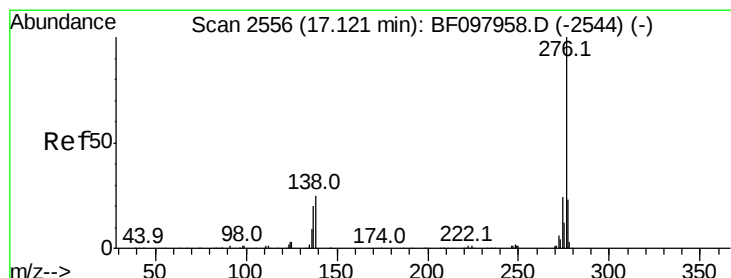
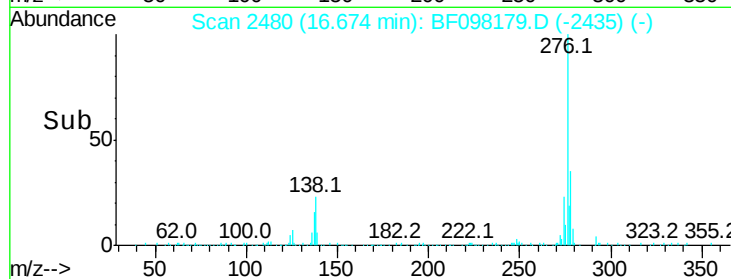
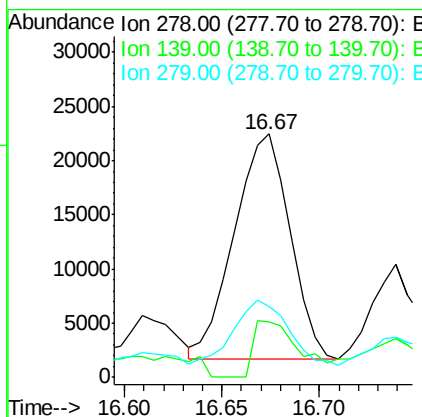
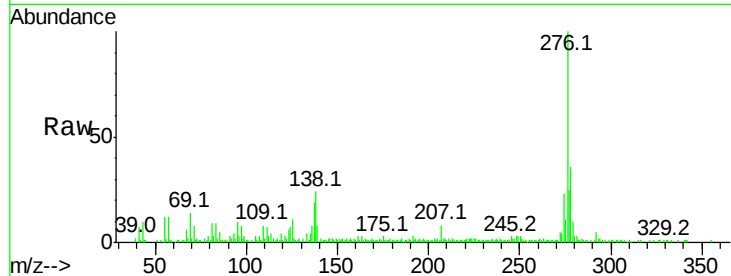




#90
Dibenzo(a,h)anthracene
Concen: 5.382 ng
RT: 16.67 min Scan# 2480
Delta R.T. -0.04 min
Lab File: BF098179.D
Acq: 31 Aug 2017 2:09

Instrument :
BNA_F
ClientSampleId :

Tot Ion:278 Resp: 41225
Ion Ratio Lower Upper
278 100
139 22.8 16.6 24.8
279 29.2 19.3 28.9#



#91
Benzo(g,h,i)perylene
Concen: 18.195 ng
RT: 17.08 min Scan# 2549
Delta R.T. -0.03 min
Lab File: BF098179.D
Acq: 31 Aug 2017 2:09

Tgt Ion:276 Resp: 145416
Ion Ratio Lower Upper
276 100
277 26.6 18.6 28.0
138 25.8 25.4 38.0

