

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF091317\
 Data File : BF098506.D
 Acq On : 13 Sep 2017 23:04
 Operator : SJ/JU
 Sample : I5160-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 14 05:17:21 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF091117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 12 02:14:50 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.66	152	178358	20.00	ng	-0.01
21) Naphthalene-d8	7.94	136	722508	20.00	ng	-0.01
38) Acenaphthene-d10	9.69	164	304172	20.00	ng	-0.02
63) Phenanthrene-d10	11.17	188	469846	20.00	ng	-0.02
75) Chrysene-d12	13.80	240	336841	20.00	ng	-0.01
86) Perylene-d12	15.21	264	306211	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.27	112	1383622	114.70	ng	0.00
7) Phenol-d6	6.32	99	1757019	114.72	ng	0.00
23) Nitrobenzene-d5	7.23	82	1002184	77.33	ng	-0.01
41) 2,4,6-Tribromophenol	10.48	330	231003	113.79	ng	-0.01
44) 2-Fluorobiphenyl	9.02	172	1700051	94.73	ng	-0.02
78) Terphenyl-d14	12.76	244	1024174	65.63	ng	-0.01

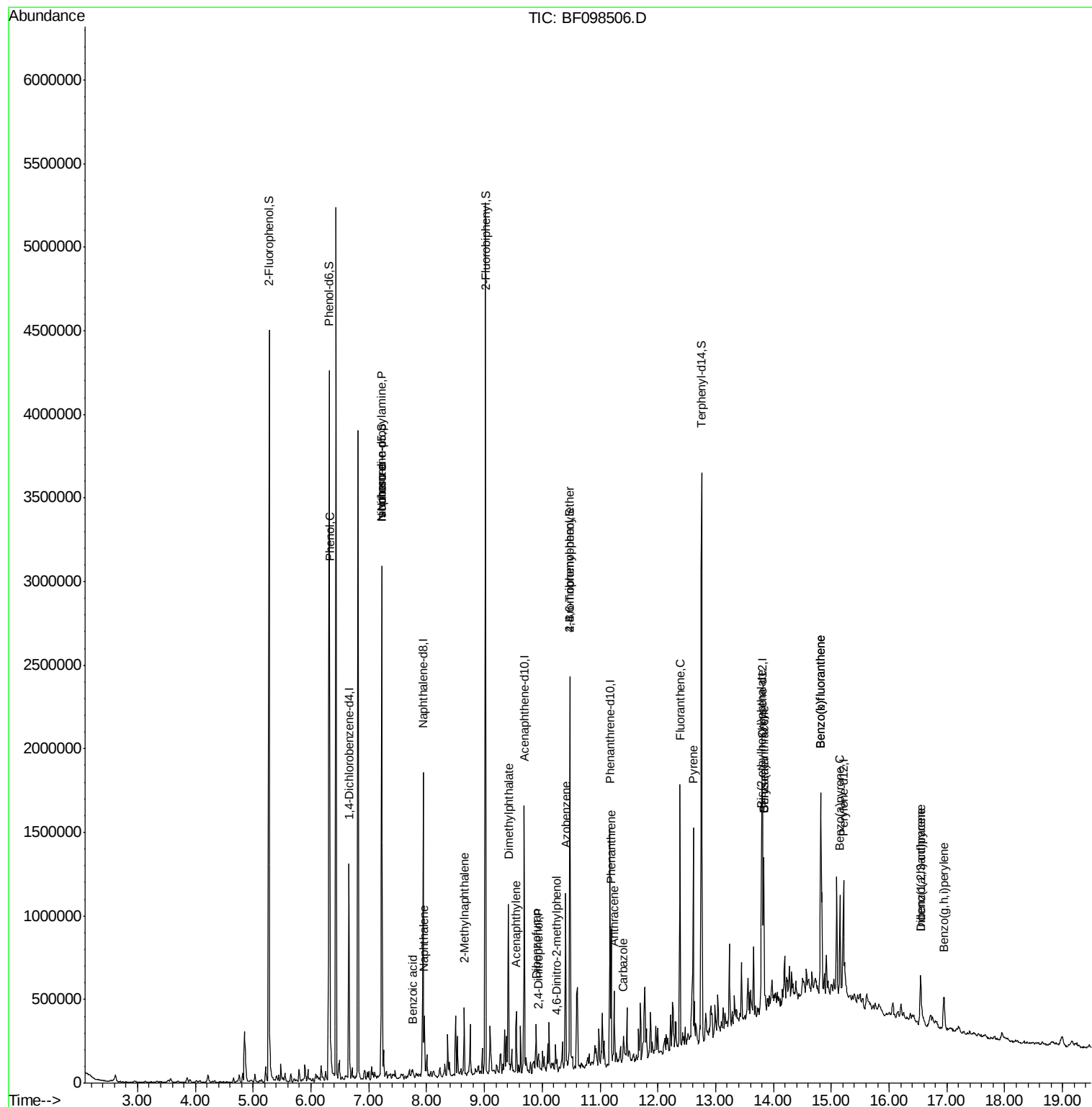
Target Compounds				Qvalue		
10) Phenol	6.33	94	54636	3.071	ng	93
19) n-Nitroso-di-n-propylamine	7.23	70	131432	13.642	ng	# 81
25) Isophorone	7.23	82	994495	37.927	ng	# 67
31) Naphthalene	7.96	128	145945	4.086	ng	100
32) Benzoic acid	7.76	122	4333	8.444	ng	# 16
37) 2-Methylnaphthalene	8.65	142	97830	4.522	ng	100
48) Acenaphthylene	9.55	152	124579	4.309	ng	98
49) Dimethylphthalate	9.41	163	337460	14.332	ng	100
53) 2,4-Dinitrophenol	9.93	184	106	8.566	ng	# 1
54) Dibenzofuran	9.89	168	63945	2.641	ng	# 94
62) Azobenzene	10.40	77	173929	7.207	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.25	198	117	5.001	ng	# 1
66) 4-Bromophenyl-phenylether	10.48	248	17268	3.872	ng	# 1
70) Phenanthrene	11.19	178	265874	10.674	ng	99
71) Anthracene	11.25	178	155768	6.091	ng	98
72) Carbazole	11.40	167	52237	2.192	ng	97
74) Fluoranthene	12.38	202	536529	21.517	ng	99
77) Pyrene	12.61	202	501211	18.862	ng	98
80) Benzo(a)anthracene	13.83	228	385441	19.518	ng	95
82) Chrysene	13.83	228	385441	19.308	ng	98
83) Bis(2-ethylhexyl)phthalate	13.79	149	49468	3.419	ng	# 99
85) Indeno(1,2,3-cd)pyrene	16.54	276	162382	11.594	ng	91
87) Benzo(b)fluoranthene	14.82	252	790107	41.037	ng	98
88) Benzo(k)fluoranthene	14.82	252	790107	43.957	ng	97
89) Benzo(a)pyrene	15.15	252	245484	14.311	ng	98
90) Dibenzo(a,h)anthracene	16.54	278	50523	4.049	ng	# 91
91) Benzo(g,h,i)perylene	16.95	276	142952	11.390	ng	97

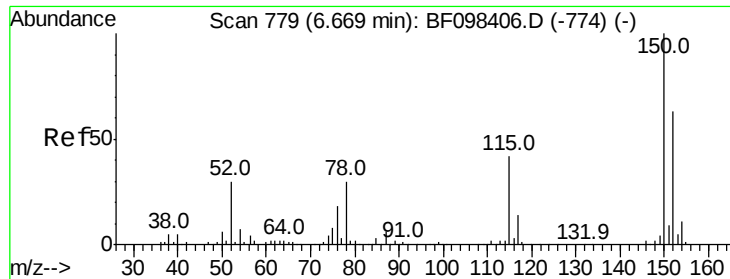
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF091317\
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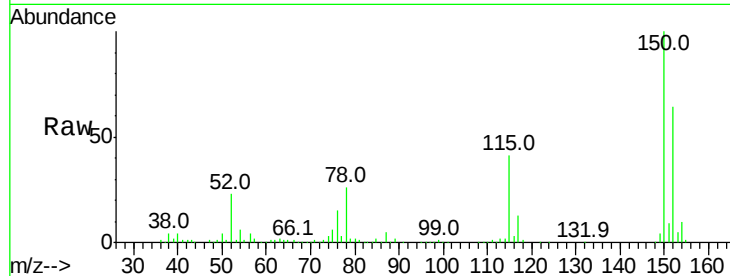


#1

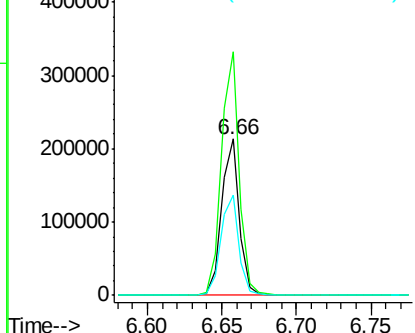
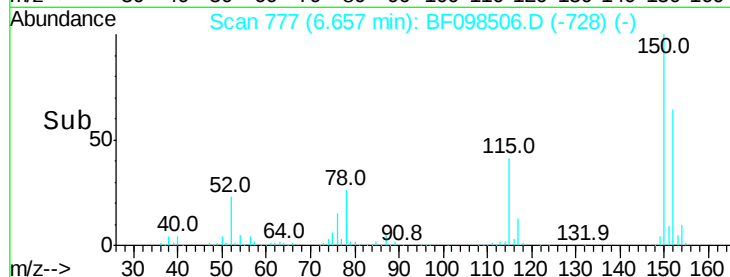
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.66 min Scan# 777
Delta R.T. -0.01 min
Lab File: BF098506.D
Acq: 13 Sep 2017 23:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 178358
Ion Ratio Lower Upper
152 100
150 155.8 126.2 189.2
115 64.1 52.2 78.2



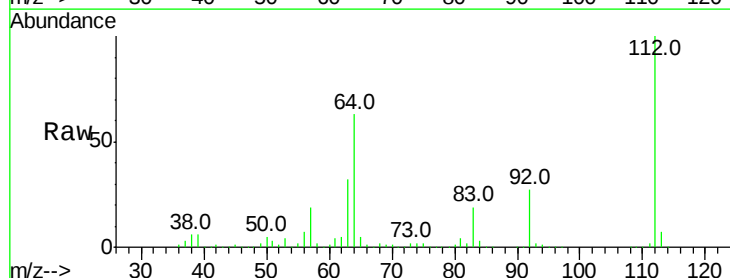
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



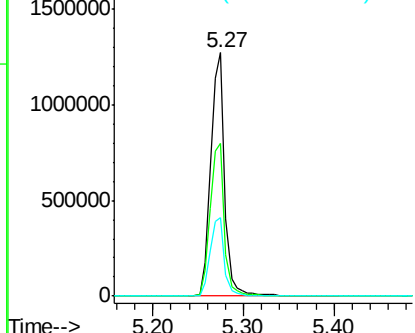
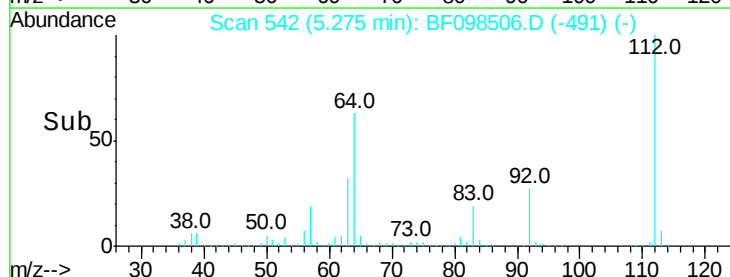
#5

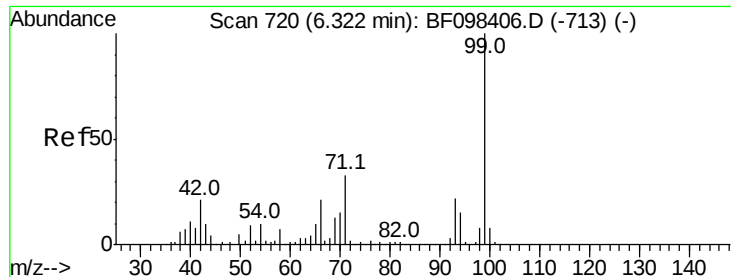
2-Fluorophenol
Concen: 114.697 ng
RT: 5.27 min Scan# 542
Delta R.T. 0.00 min
Lab File: BF098506.D
Acq: 13 Sep 2017 23:04

Tgt Ion:112 Resp: 1383622
Ion Ratio Lower Upper
112 100
64 62.7 46.0 69.0
63 32.1 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: 114.716 ng

RT: 6.32 min Scan# 719

Delta R.T. -0.01 min

Lab File: BF098506.D

Acq: 13 Sep 2017 23:04

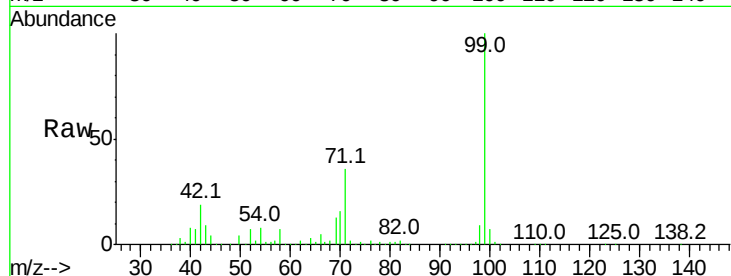
Instrument :

BNA_F

ClientSampleId :

Tot Ion: 99 Resp: 1757019

Ion	Ratio	Lower	Upper
99	100		
42	18.6	13.5	20.3
71	35.7	24.5	36.7

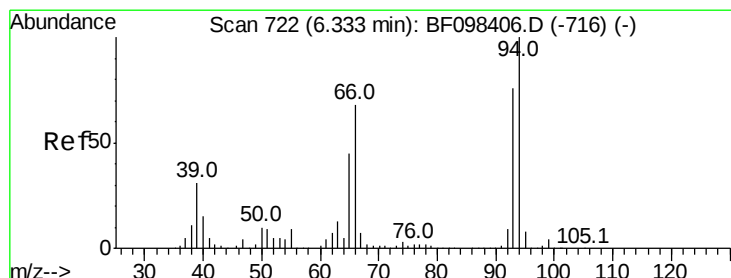
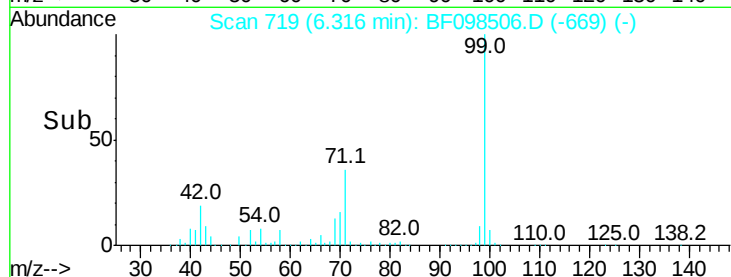
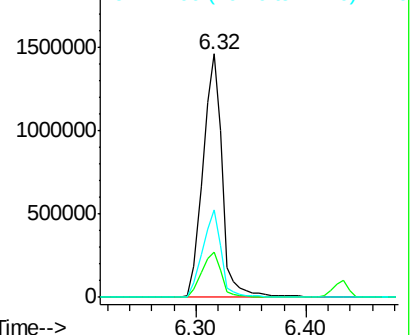


Abundance

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



#10

Phenol

Concen: 3.071 ng

RT: 6.33 min Scan# 721

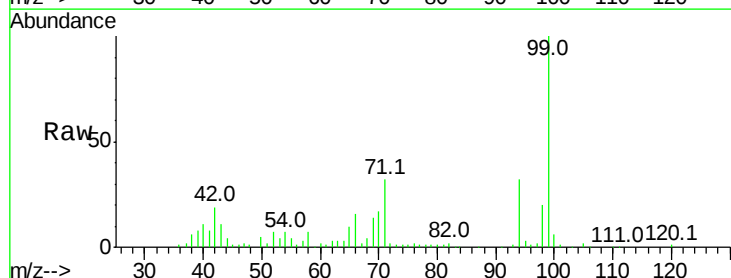
Delta R.T. -0.01 min

Lab File: BF098506.D

Acq: 13 Sep 2017 23:04

Tgt Ion: 94 Resp: 54636

Ion	Ratio	Lower	Upper
94	100		
65	31.2	9.9	49.9
66	49.5	23.1	63.1

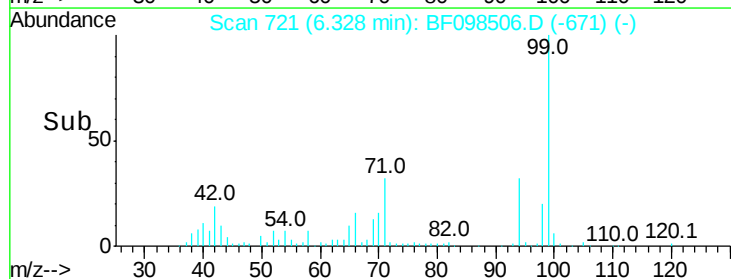
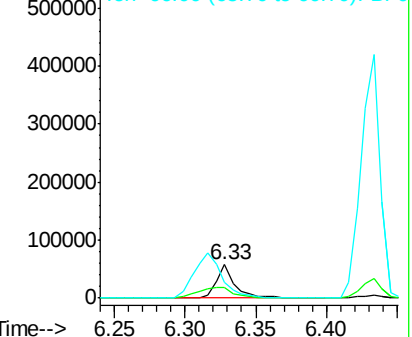


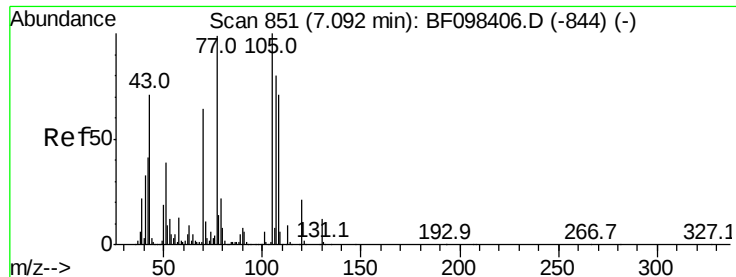
Abundance

Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

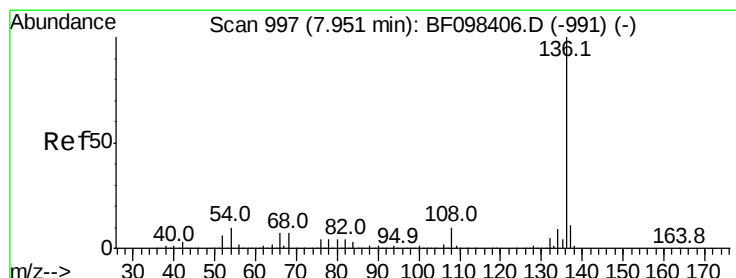
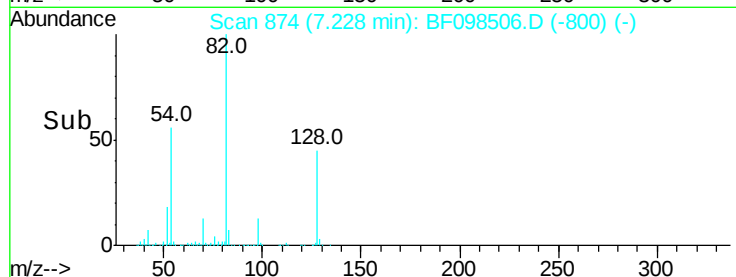
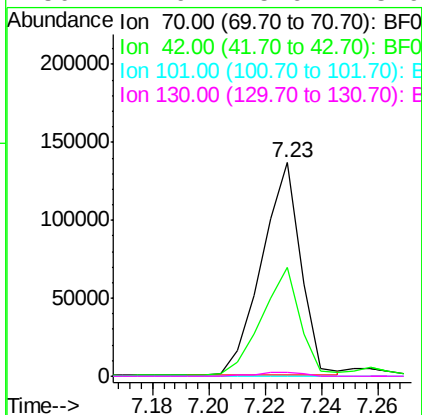
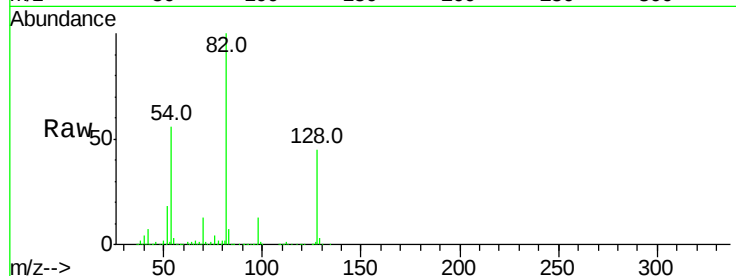




#19
n-Nitroso-di-n-propylamine
Concen: 13.642 ng
RT: 7.23 min Scan# 874
Delta R.T. 0.14 min
Lab File: BF098506.D
Acq: 13 Sep 2017 23:04

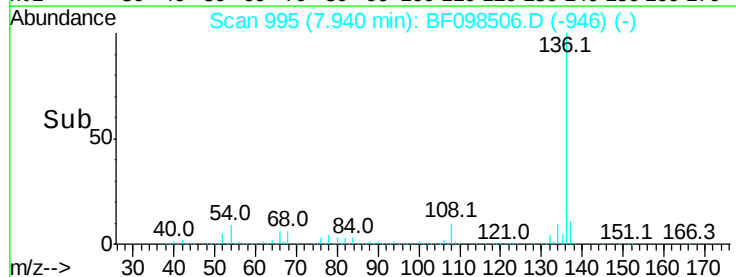
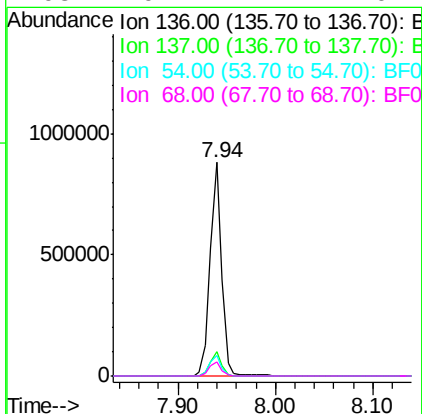
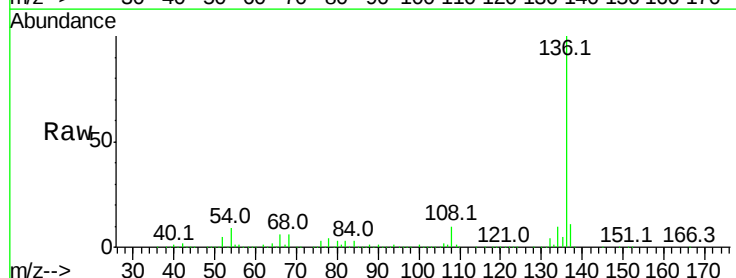
Instrument :
BNA_F
ClientSampleId :

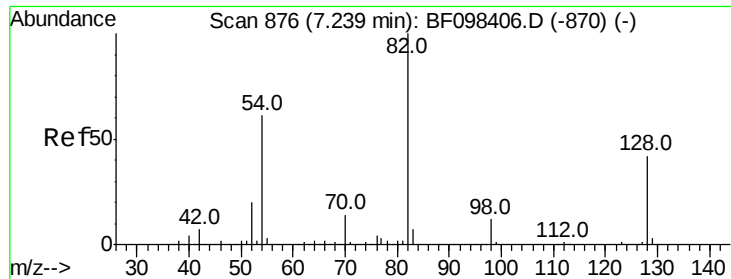
Tot Ion: 70 Resp: 131432
Ion Ratio Lower Upper
70 100
42 50.9 47.2 70.8
101 0.0 7.2 10.8#
130 1.9 15.9 23.9#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.94 min Scan# 995
Delta R.T. -0.01 min
Lab File: BF098506.D
Acq: 13 Sep 2017 23:04

Tgt Ion: 136 Resp: 722508
Ion Ratio Lower Upper
136 100
137 11.2 8.5 12.7
54 9.5 4.9 7.3#
68 6.4 4.1 6.1#





#23

Nitrobenzene-d5

Concen: 77.330 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.01 min

Lab File: BF098506.D

Acq: 13 Sep 2017 23:04

Instrument :

BNA_F

ClientSampleId :

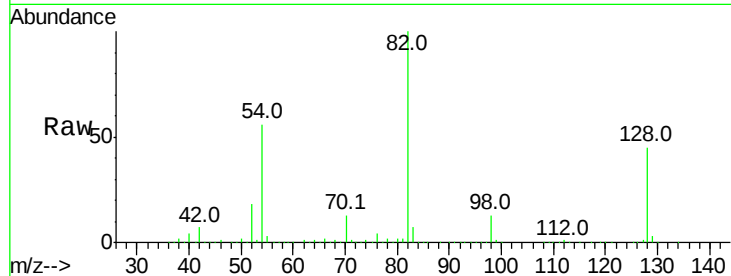
Tot Ion: 82 Resp: 1002184

Ion Ratio Lower Upper

82 100

128 44.6 34.0 51.0

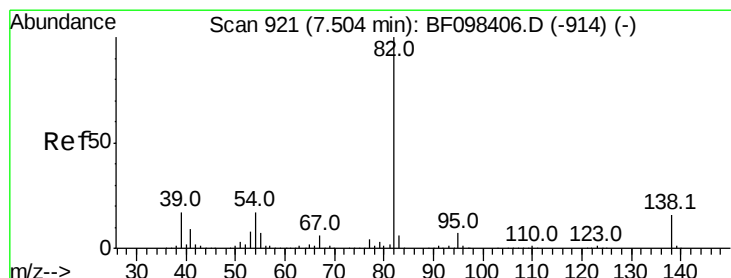
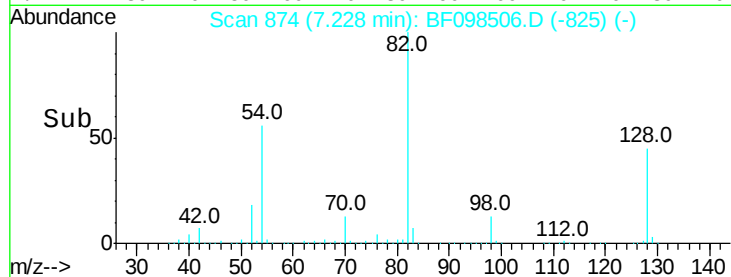
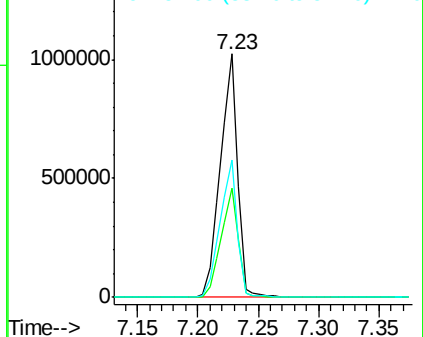
54 56.5 42.2 63.2



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: 37.927 ng

RT: 7.23 min Scan# 874

Delta R.T. -0.28 min

Lab File: BF098506.D

Acq: 13 Sep 2017 23:04

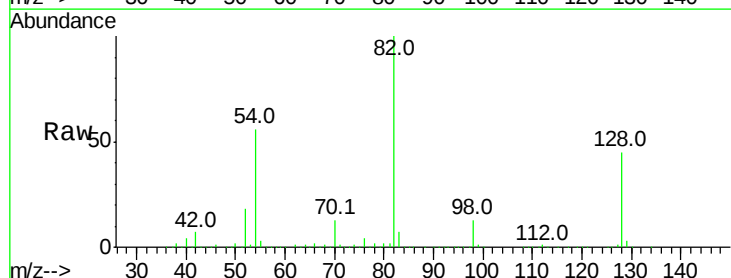
Tgt Ion: 82 Resp: 994495

Ion Ratio Lower Upper

82 100

95 0.2 5.3 7.9#

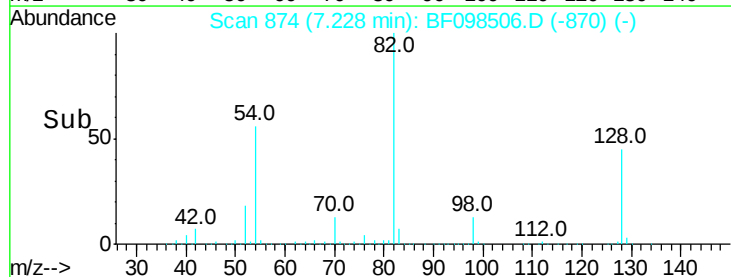
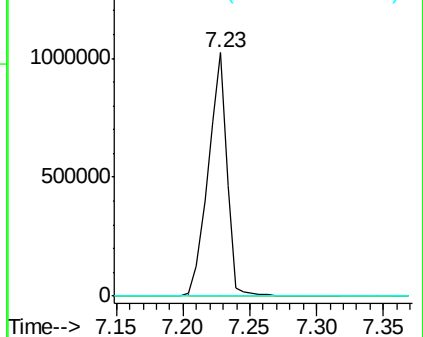
138 0.0 13.1 19.7#

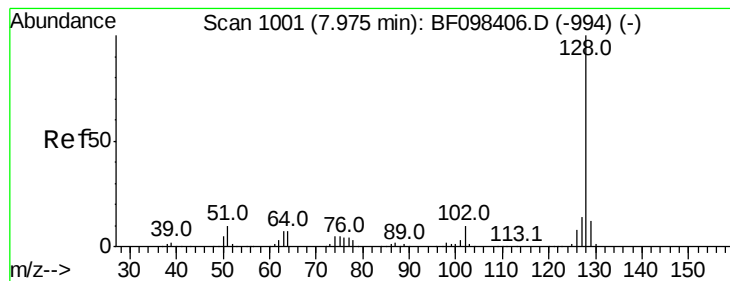


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): BF0





#31

Naphthalene

Concen: 4.086 ng

RT: 7.96 min Scan# 998

Delta R.T. -0.02 min

Lab File: BF098506.D

Acq: 13 Sep 2017 23:04

Instrument :

BNA_F

ClientSampleId :

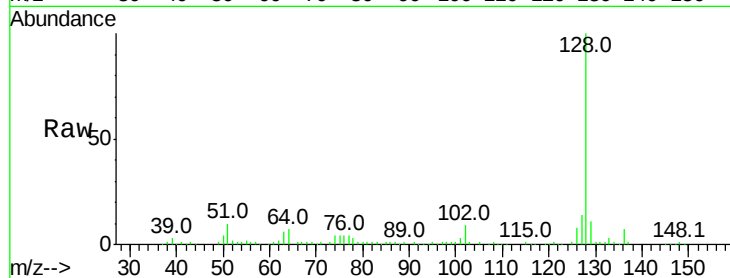
Tot Ion:128 Resp: 145945

Ion Ratio Lower Upper

128 100

129 11.4 9.0 13.6

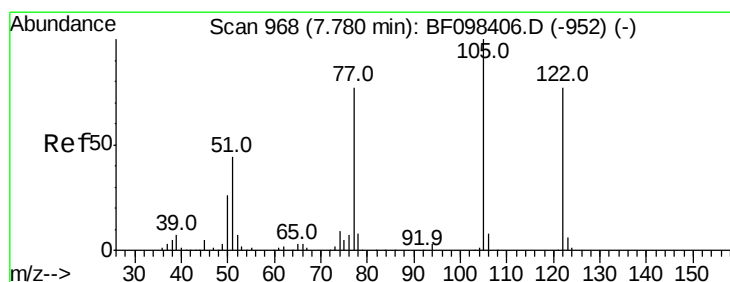
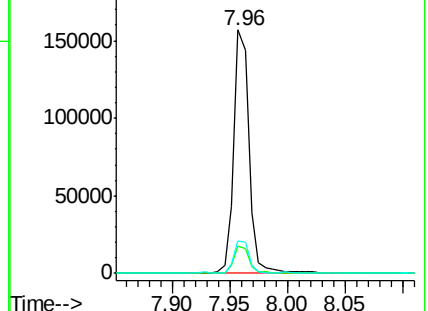
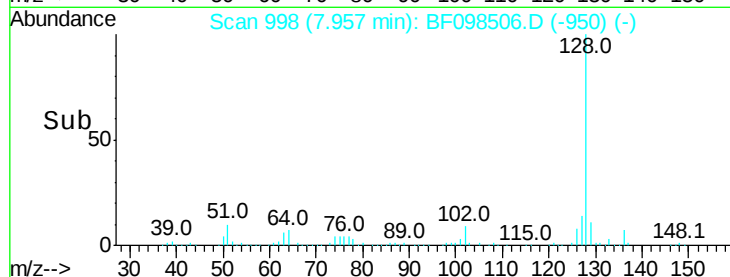
127 13.5 10.8 16.2



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: 8.444 ng

RT: 7.76 min Scan# 964

Delta R.T. -0.02 min

Lab File: BF098506.D

Acq: 13 Sep 2017 23:04

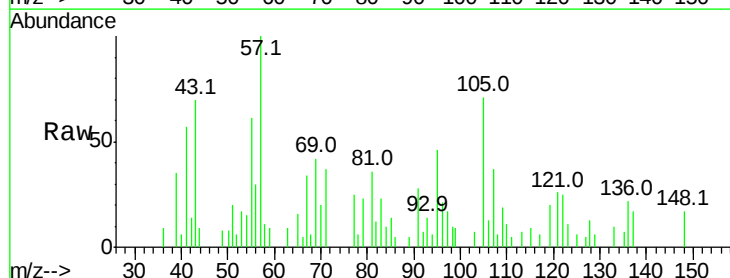
Tgt Ion:122 Resp: 4333

Ion Ratio Lower Upper

122 100

105 283.2 103.3 143.3#

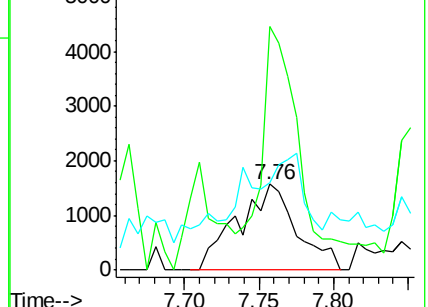
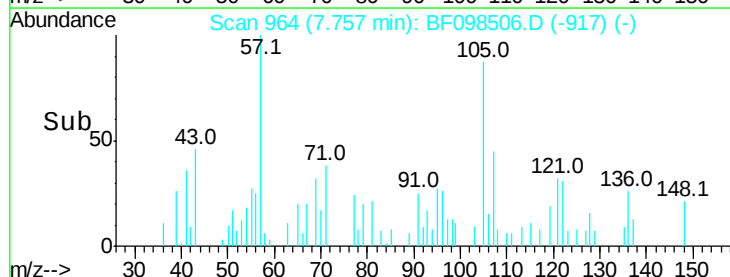
77 101.2 73.7 113.7

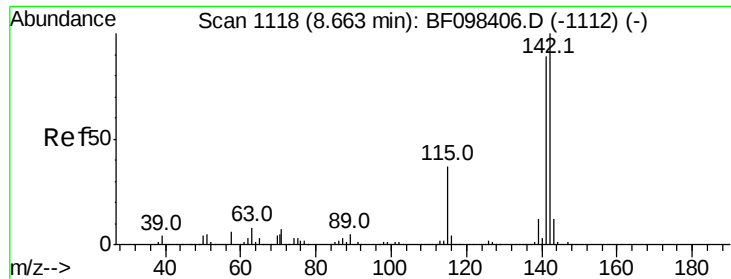


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

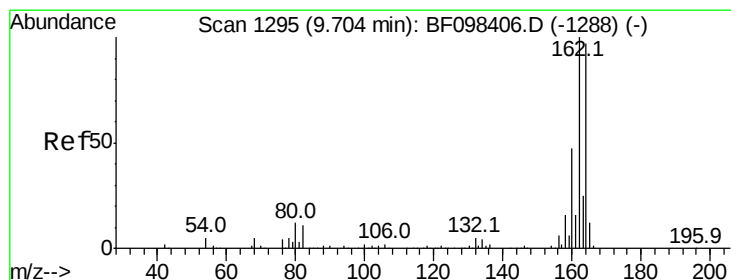
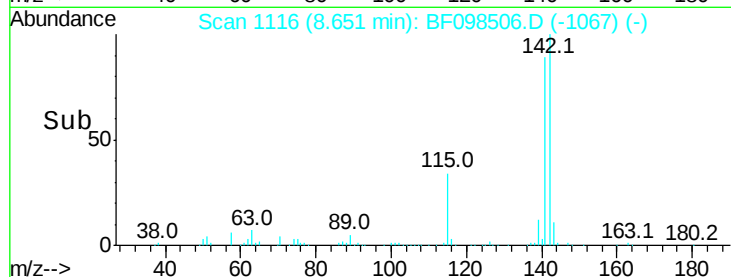
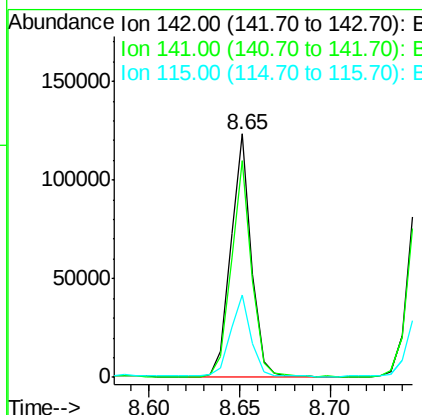
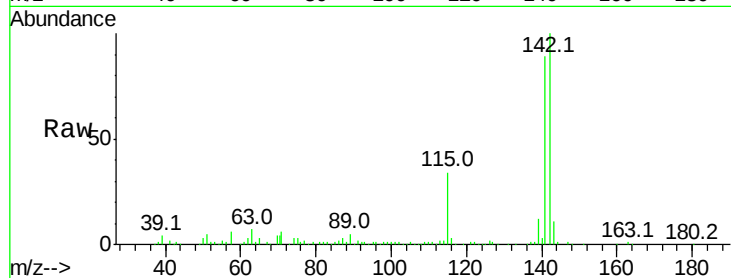




#37
2-Methylnaphthalene
Concen: 4.522 ng
RT: 8.65 min Scan# 1116
Delta R.T. -0.01 min
Lab File: BF098506.D
Acq: 13 Sep 2017 23:04

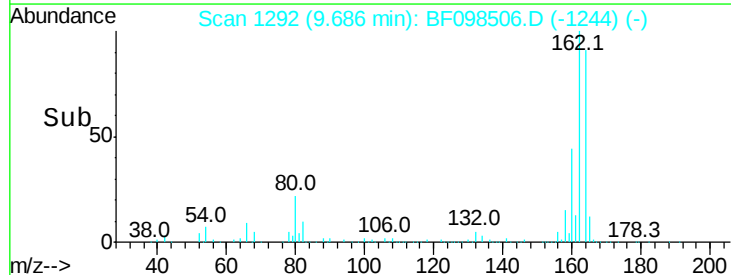
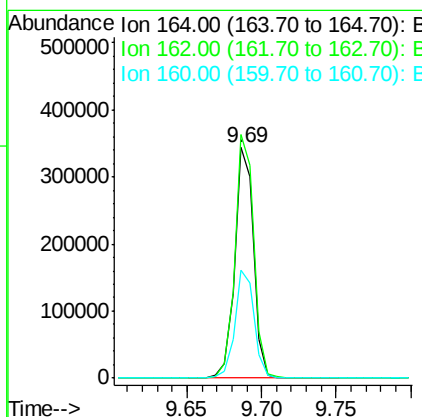
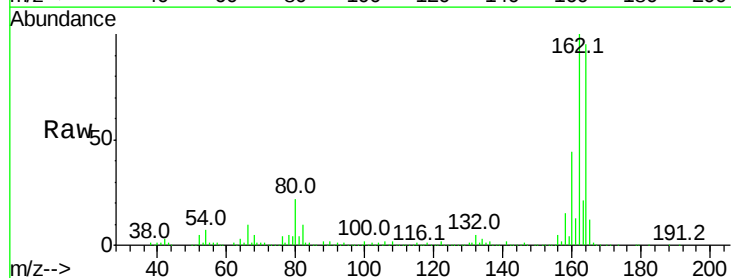
Instrument :
BNA_F
ClientSampleId :

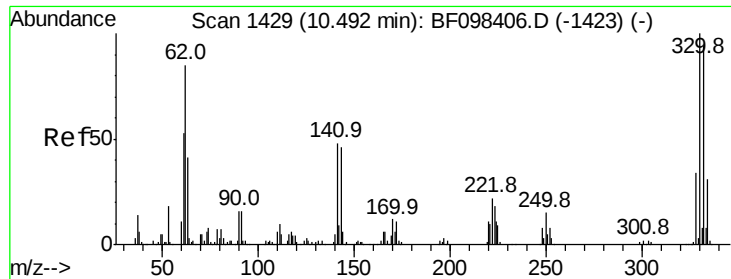
Tot Ion:142 Resp: 97830
Ion Ratio Lower Upper
142 100
141 88.8 71.3 106.9
115 33.9 27.1 40.7



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.02 min
Lab File: BF098506.D
Acq: 13 Sep 2017 23:04

Tgt Ion:164 Resp: 304172
Ion Ratio Lower Upper
164 100
162 105.7 82.6 123.8
160 46.7 36.2 54.2

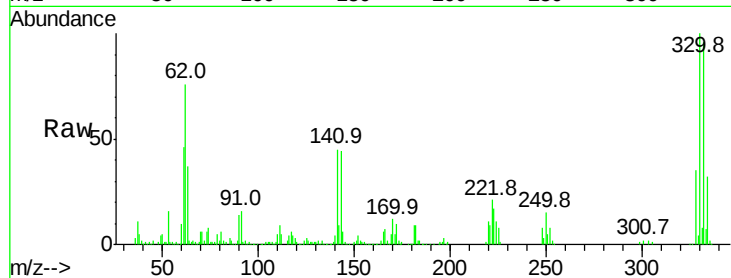




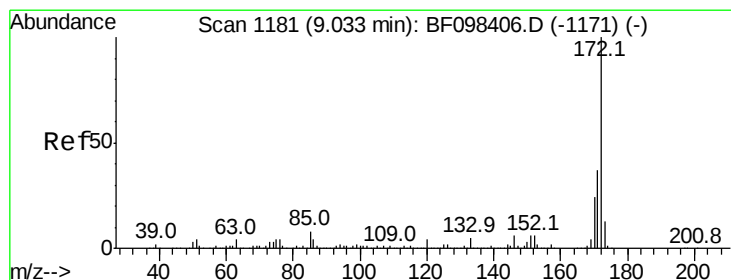
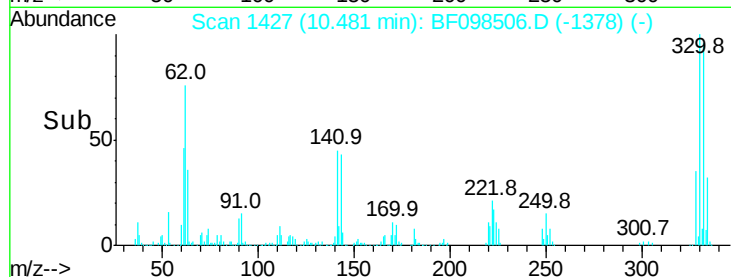
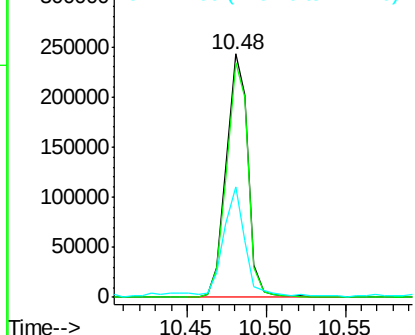
#41
 2,4,6-Tribromophenol
 Concen: 113.789 ng
 RT: 10.48 min Scan# 1427
 Delta R.T. -0.01 min
 Lab File: BF098506.D
 Acq: 13 Sep 2017 23:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 231003
 Ion Ratio Lower Upper
 330 100
 332 96.1 76.6 115.0
 141 44.2 31.4 47.2

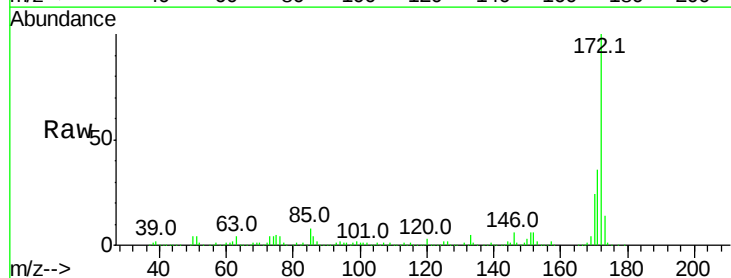


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

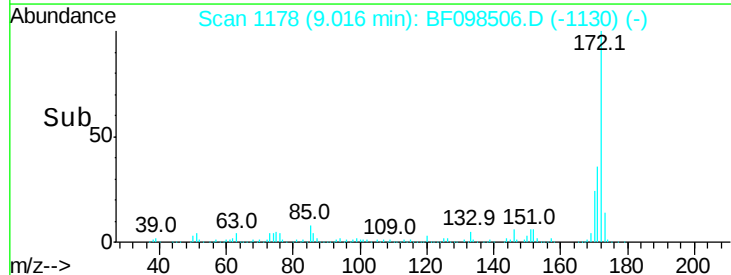
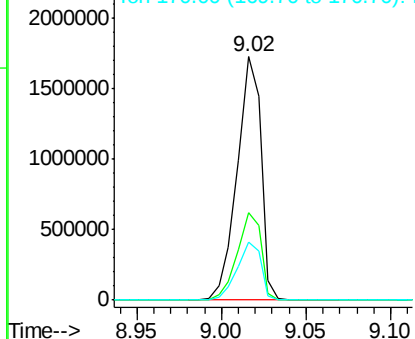


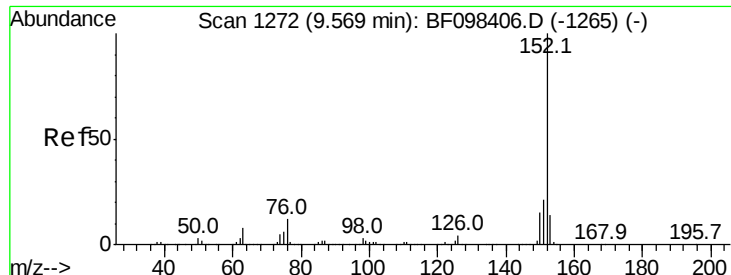
#44
 2-Fluorobiphenyl
 Concen: 94.731 ng
 RT: 9.02 min Scan# 1178
 Delta R.T. -0.02 min
 Lab File: BF098506.D
 Acq: 13 Sep 2017 23:04

Tgt Ion:172 Resp: 1700051
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.6 44.4
 170 23.8 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

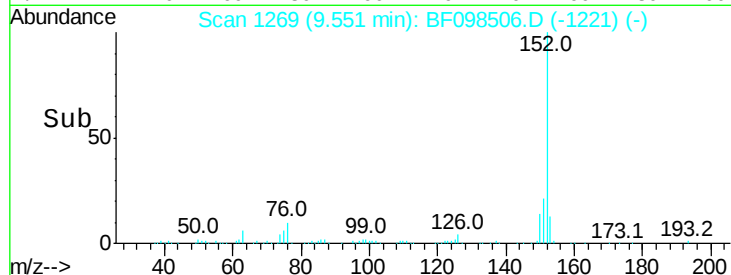
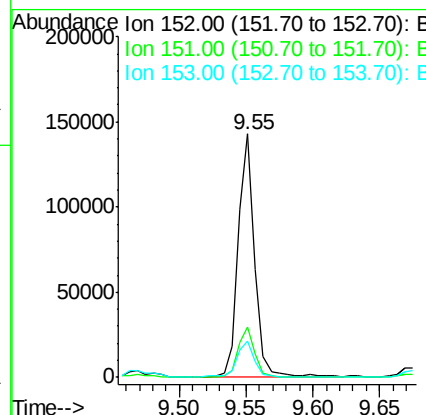
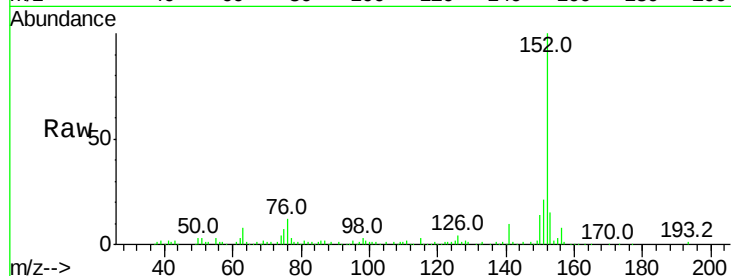




#48
Acenaphthylene
Concen: 4.309 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.02 min
Lab File: BF098506.D
Acq: 13 Sep 2017 23:04

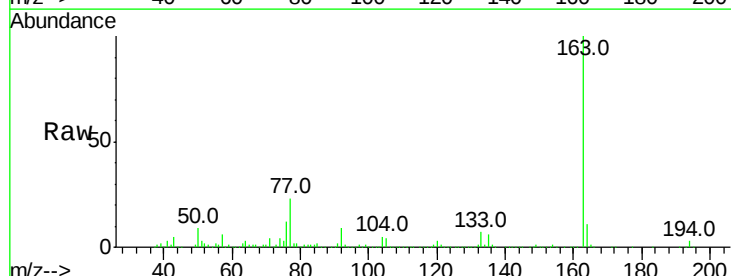
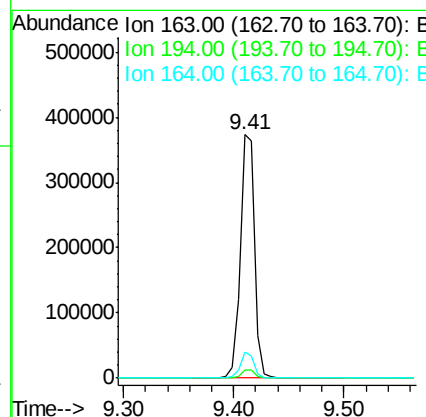
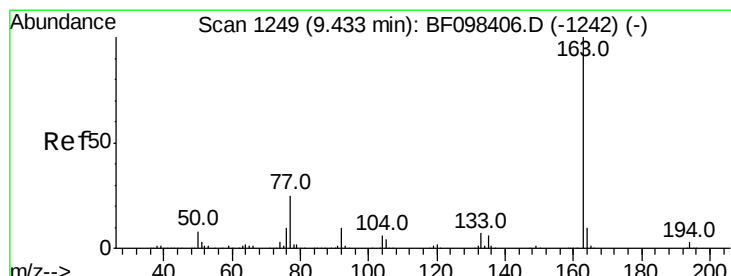
Instrument :
BNA_F
ClientSampleId :

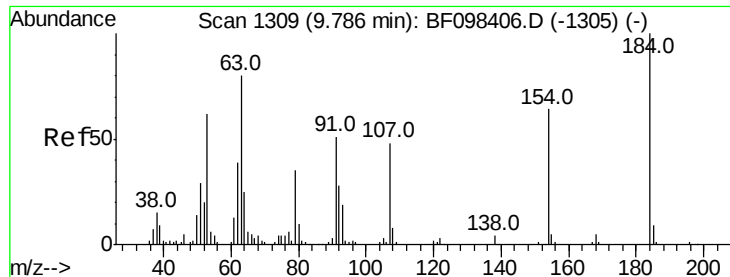
Tot Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.8	25.2
153	15.0	10.8	16.2



#49
Dimethylphthalate
Concen: 14.332 ng
RT: 9.41 min Scan# 1245
Delta R.T. -0.02 min
Lab File: BF098506.D
Acq: 13 Sep 2017 23:04

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.6	4.0
164	10.6	8.4	12.6

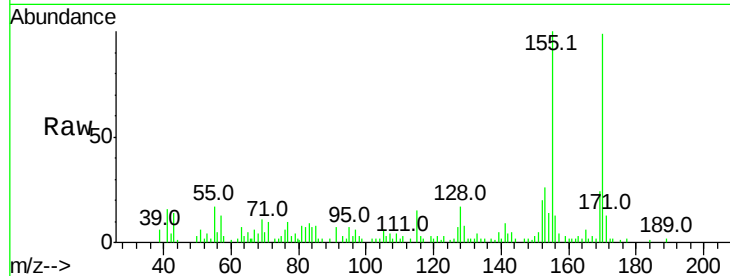




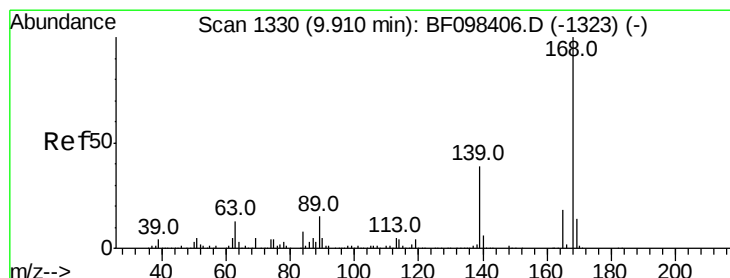
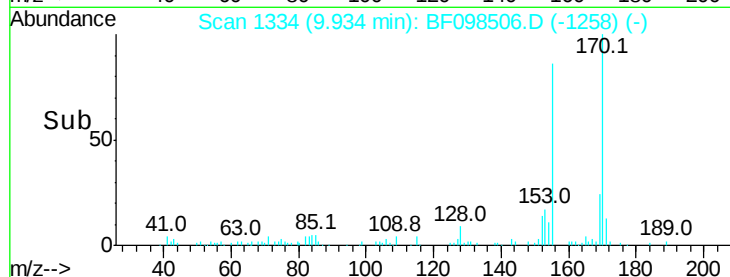
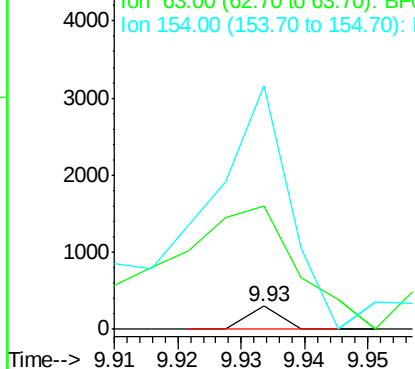
#53
2,4-Dinitrophenol
Concen: 8.566 ng
RT: 9.93 min Scan# 1334
Delta R.T. 0.15 min
Lab File: BF098506.D
Acq: 13 Sep 2017 23:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:184 Resp: 106
Ion Ratio Lower Upper
184 100
63 534.0 62.7 94.1#
154 1052.7 81.1 121.7#

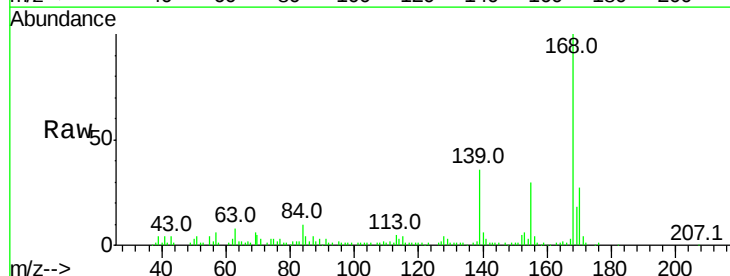


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E

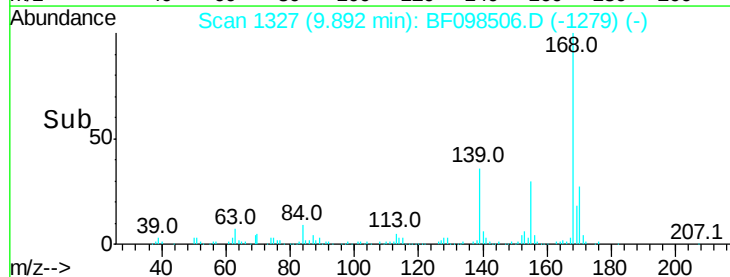
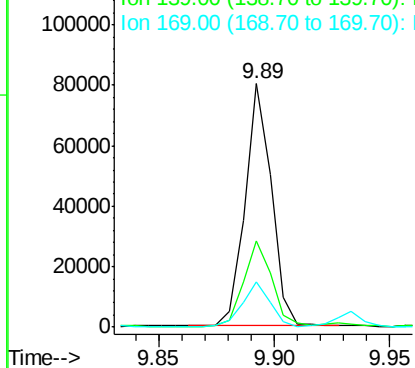


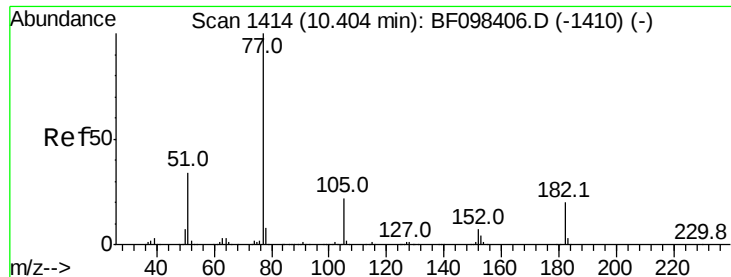
#54
Dibenzofuran
Concen: 2.641 ng
RT: 9.89 min Scan# 1327
Delta R.T. -0.02 min
Lab File: BF098506.D
Acq: 13 Sep 2017 23:04

Tgt Ion:168 Resp: 63945
Ion Ratio Lower Upper
168 100
139 35.6 30.6 45.8
169 18.3 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





#62

Azobenzene

Concen: 7.207 ng

RT: 10.40 min Scan# 1414

Delta R.T. 0.00 min

Lab File: BF098506.D

Acq: 13 Sep 2017 23:04

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 173929

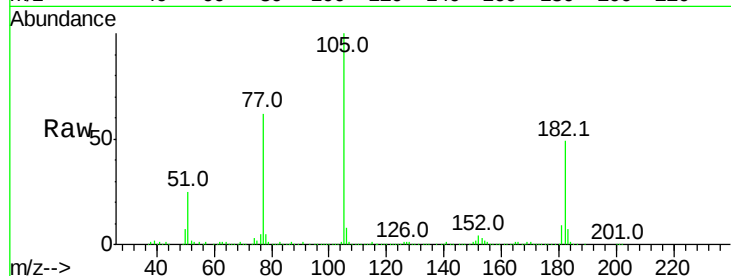
Ion Ratio Lower Upper

77 100

182 79.6 0.1 40.1#

105 161.2 3.6 43.6#

51 40.4 9.4 49.4

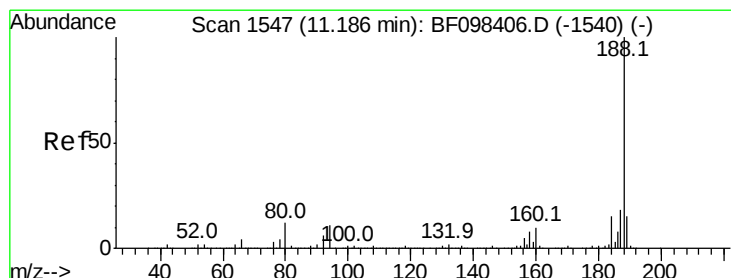
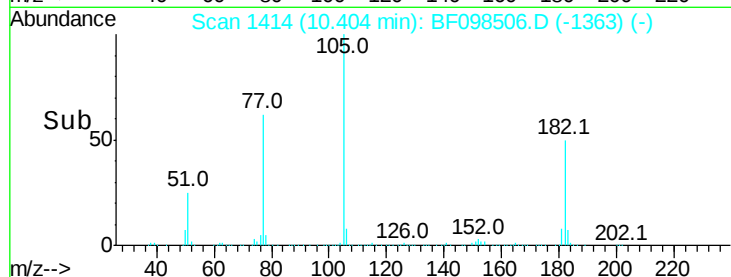
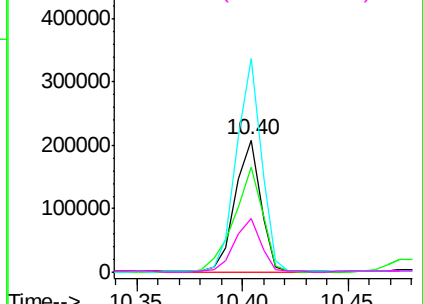


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 20.000 ng

RT: 11.17 min Scan# 1544

Delta R.T. -0.02 min

Lab File: BF098506.D

Acq: 13 Sep 2017 23:04

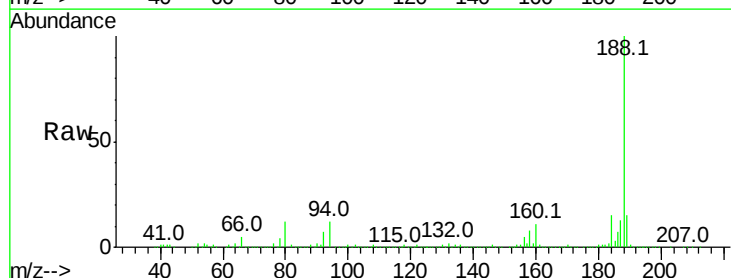
Tgt Ion: 188 Resp: 469846

Ion Ratio Lower Upper

188 100

94 11.7 9.4 14.2

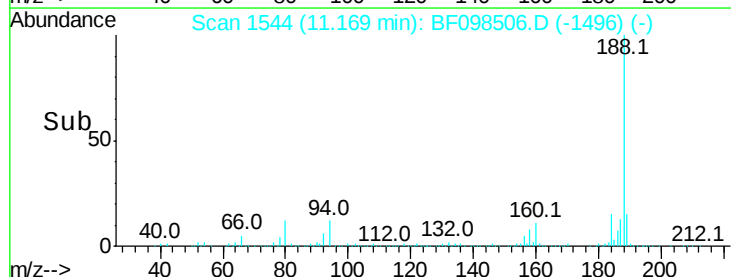
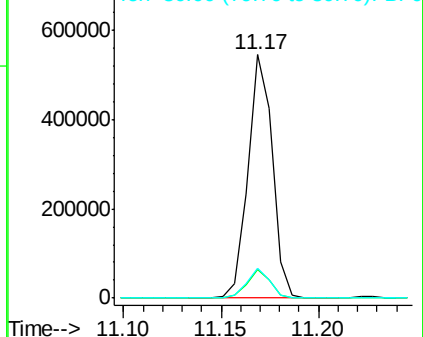
80 12.4 10.2 15.2

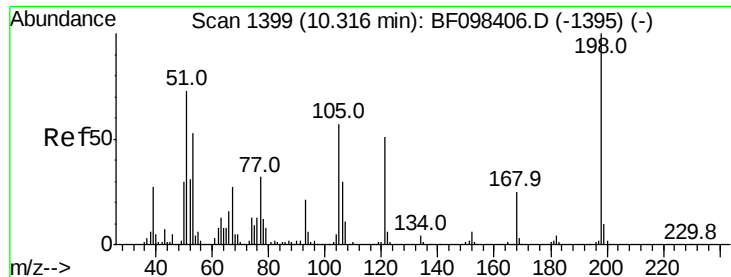


Abundance Ion 188.00 (187.70 to 188.70): E

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: 5.001 ng

RT: 10.25 min Scan# 1388

Delta R.T. -0.06 min

Lab File: BF098506.D

Acq: 13 Sep 2017 23:04

Instrument :

BNA_F

ClientSampled :

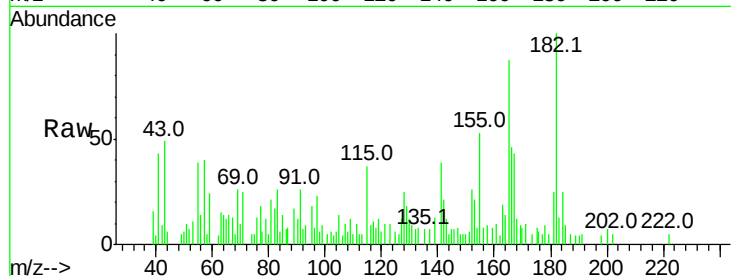
Tot Ion:198 Resp: 117

Ion Ratio Lower Upper

198 100

51 249.8 53.2 93.2#

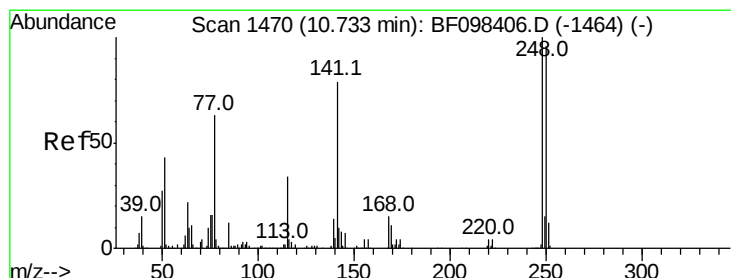
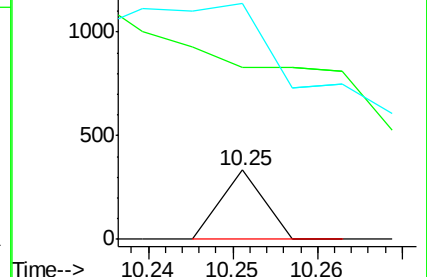
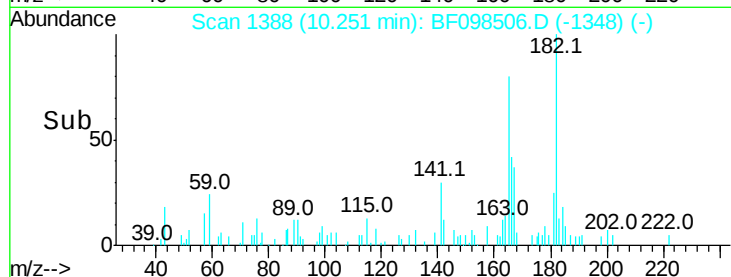
105 342.3 45.8 85.8#



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



#66

4-Bromophenyl-phenylether

Concen: 3.872 ng

RT: 10.48 min Scan# 1427

Delta R.T. -0.25 min

Lab File: BF098506.D

Acq: 13 Sep 2017 23:04

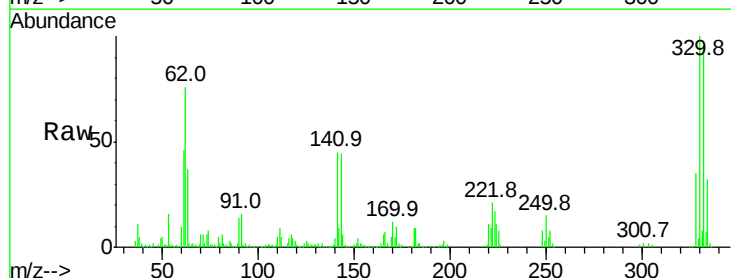
Tgt Ion:248 Resp: 17268

Ion Ratio Lower Upper

248 100

250 199.4 76.8 115.2#

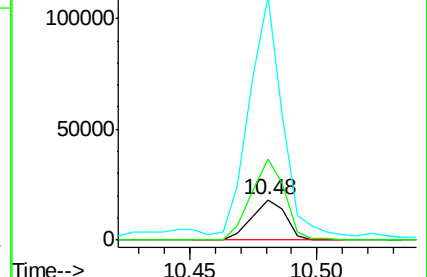
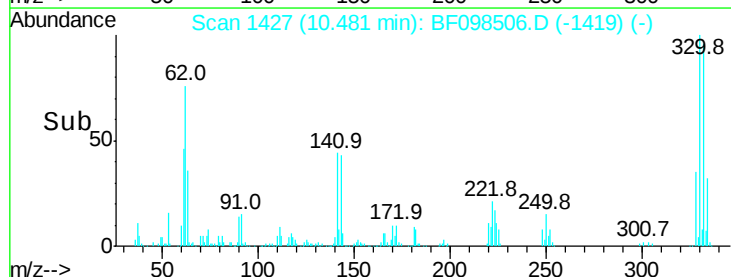
141 600.3 68.6 103.0#

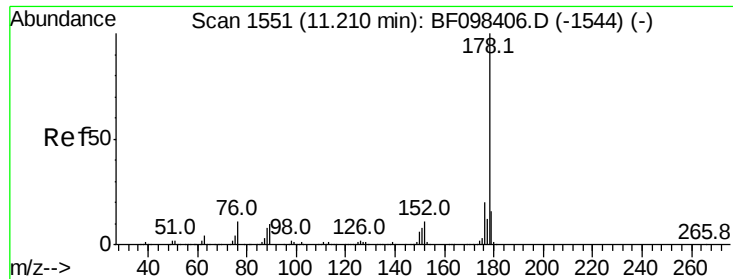


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

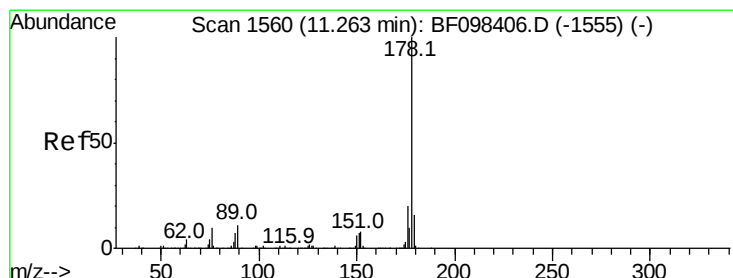
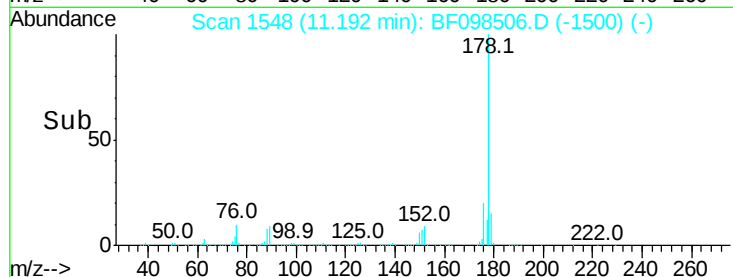
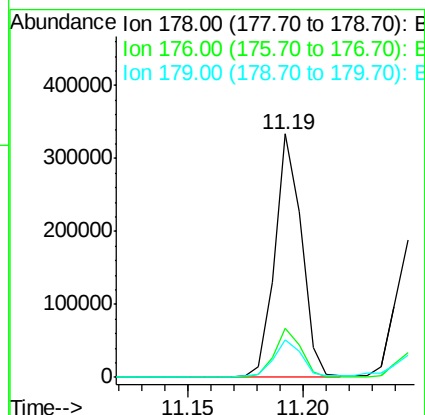
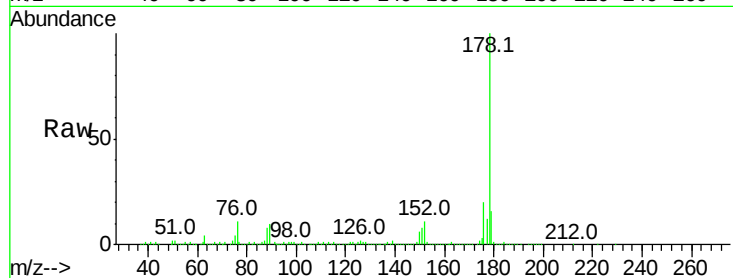




#70
Phenanthrene
Concen: 10.674 ng
RT: 11.19 min Scan# 1548
Delta R.T. -0.02 min
Lab File: BF098506.D
Acq: 13 Sep 2017 23:04

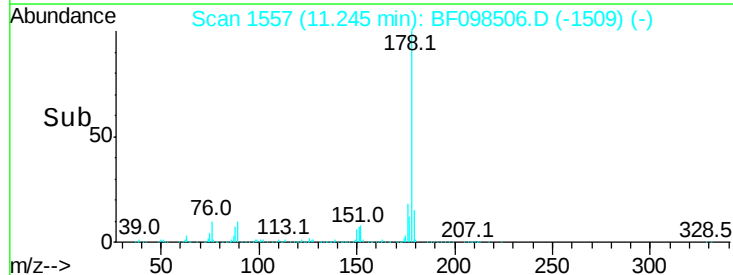
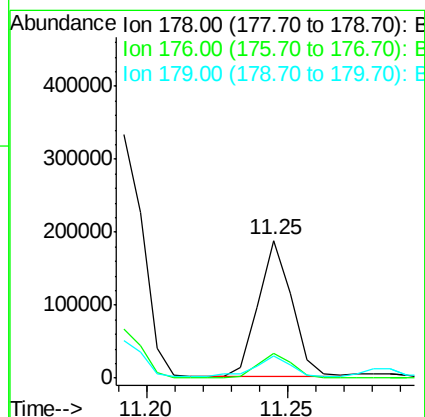
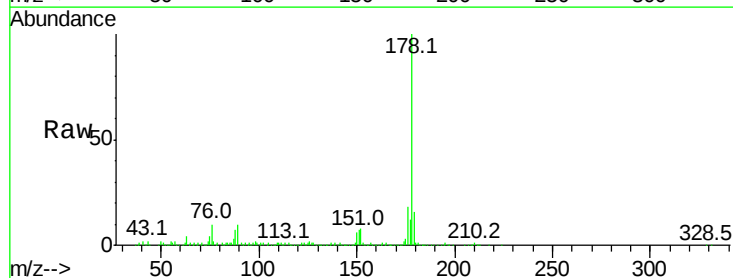
Instrument :
BNA_F
ClientSampleId :

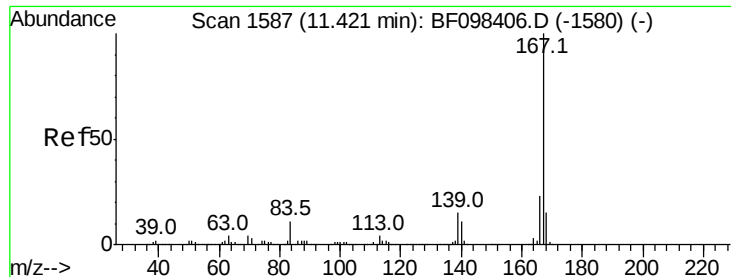
Tot Ion:178 Resp: 265874
Ion Ratio Lower Upper
178 100
176 20.1 16.2 24.4
179 15.5 12.6 19.0



#71
Anthracene
Concen: 6.091 ng
RT: 11.25 min Scan# 1557
Delta R.T. -0.02 min
Lab File: BF098506.D
Acq: 13 Sep 2017 23:04

Tgt Ion:178 Resp: 155768
Ion Ratio Lower Upper
178 100
176 17.9 15.8 23.8
179 15.9 12.7 19.1





#72

Carbazole

Concen: 2.192 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.02 min

Lab File: BF098506.D

Acq: 13 Sep 2017 23:04

Instrument :

BNA_F

ClientSampleId :

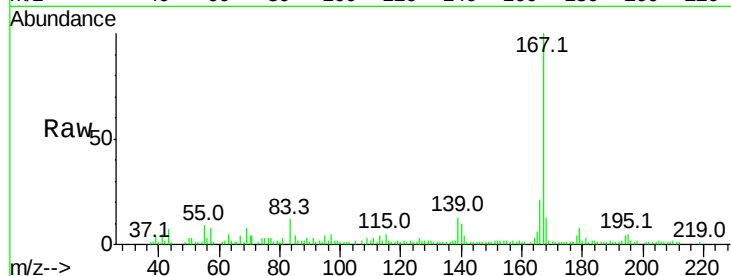
Tot Ion:167 Resp: 52237

Ion Ratio Lower Upper

167 100

166 21.1 18.1 27.1

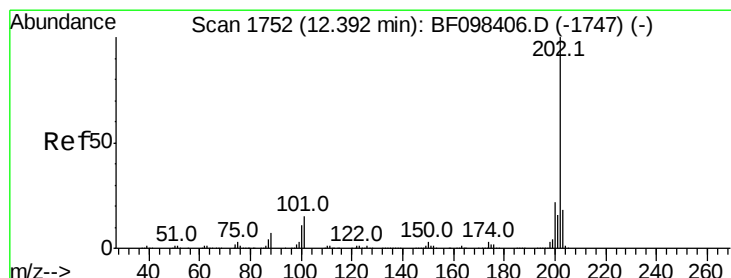
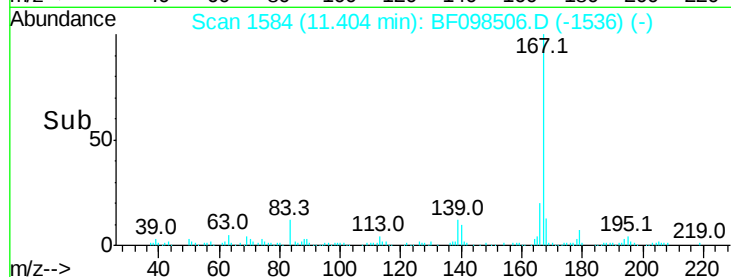
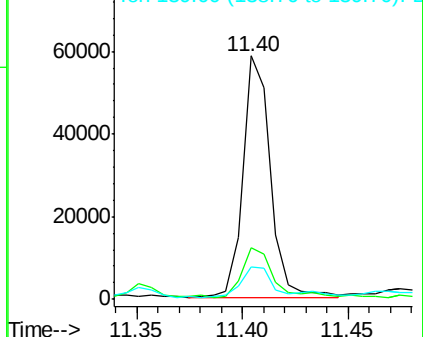
139 13.3 11.7 17.5



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: 21.517 ng

RT: 12.38 min Scan# 1750

Delta R.T. -0.01 min

Lab File: BF098506.D

Acq: 13 Sep 2017 23:04

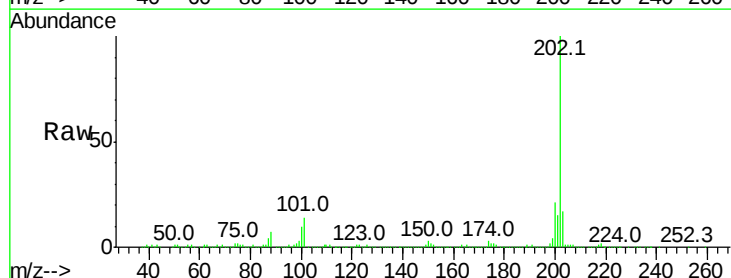
Tgt Ion:202 Resp: 536529

Ion Ratio Lower Upper

202 100

101 13.7 0.0 33.2

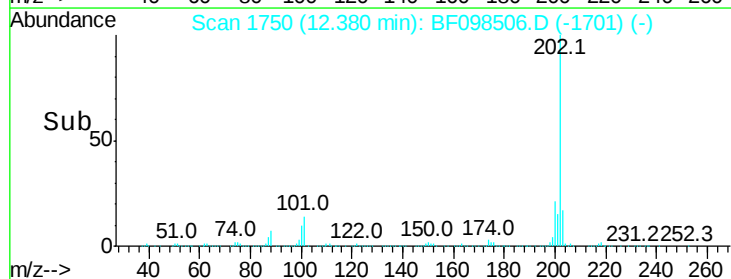
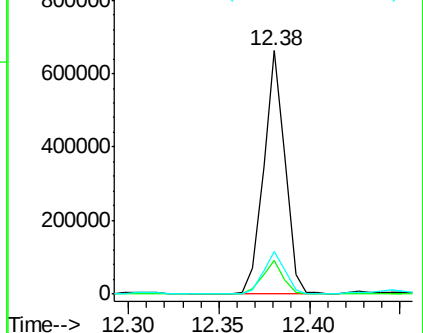
203 17.5 0.0 38.1

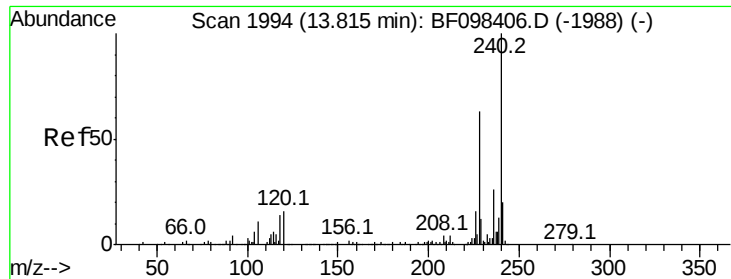


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.80 min Scan# 1992

Delta R.T. -0.01 min

Lab File: BF098506.D

Acq: 13 Sep 2017 23:04

Instrument :

BNA_F

ClientSampleId :

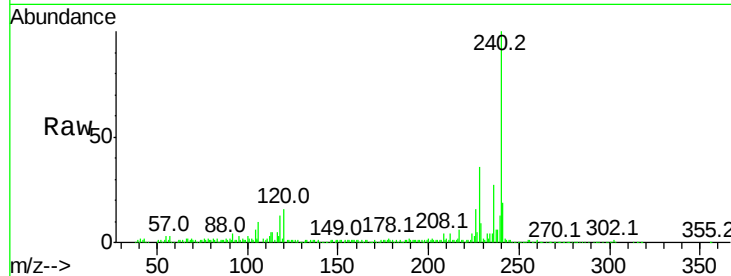
Tot Ion:240 Resp: 336841

Ion Ratio Lower Upper

240 100

120 15.6 5.8 8.8#

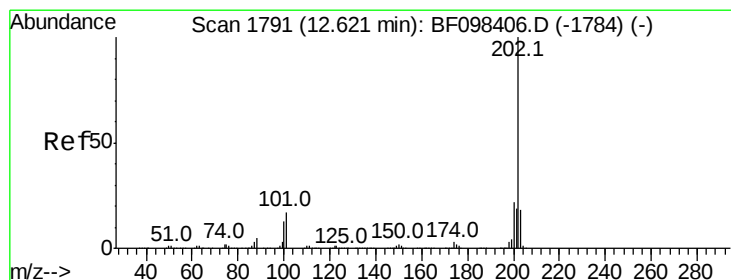
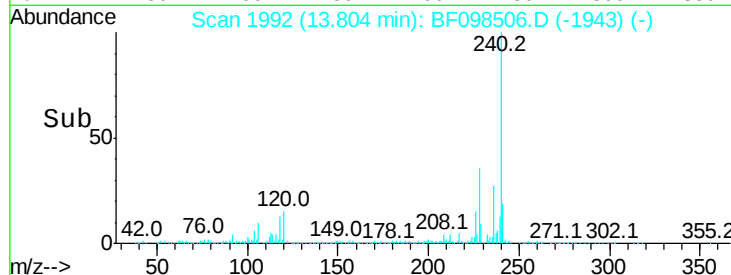
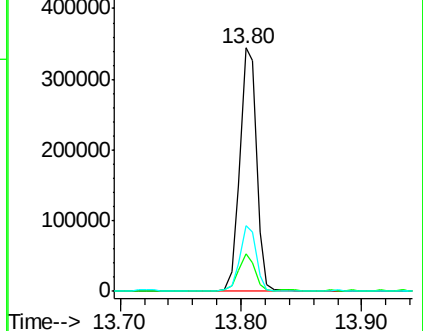
236 26.9 20.5 30.7



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: 18.862 ng

RT: 12.61 min Scan# 1789

Delta R.T. -0.01 min

Lab File: BF098506.D

Acq: 13 Sep 2017 23:04

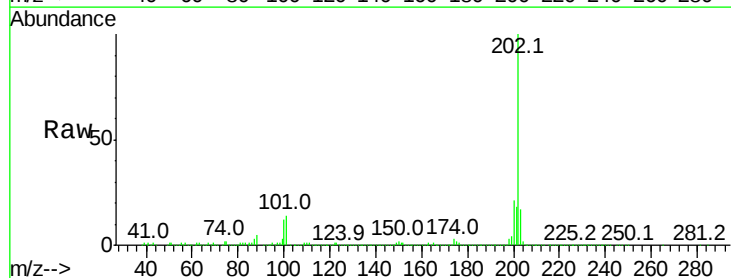
Tgt Ion:202 Resp: 501211

Ion Ratio Lower Upper

202 100

200 20.7 17.6 26.4

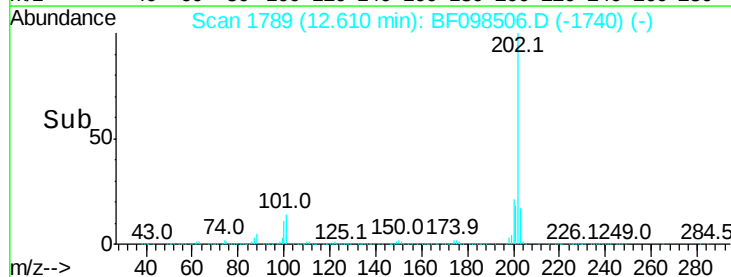
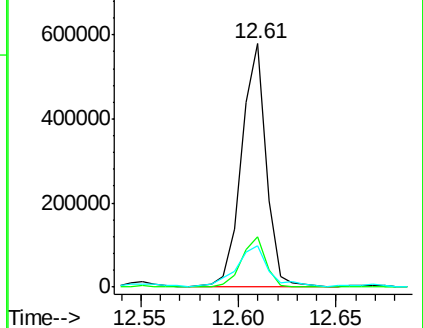
203 17.1 14.4 21.6

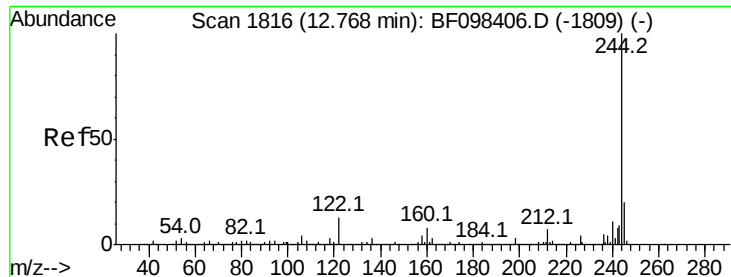


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

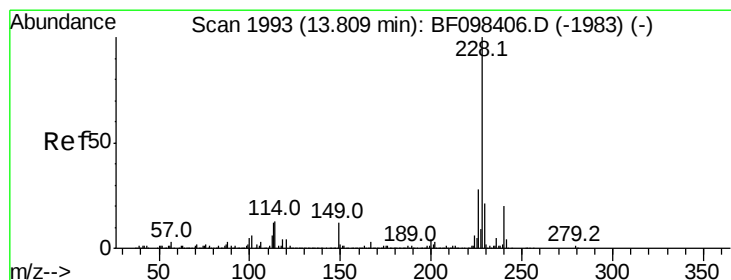
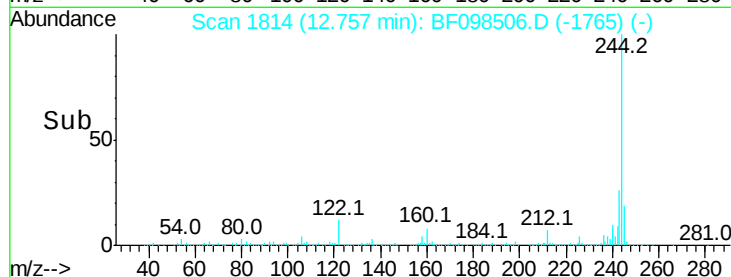
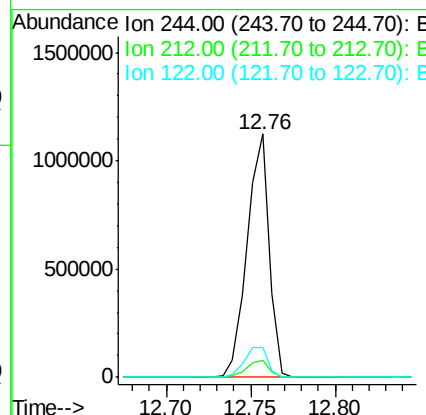
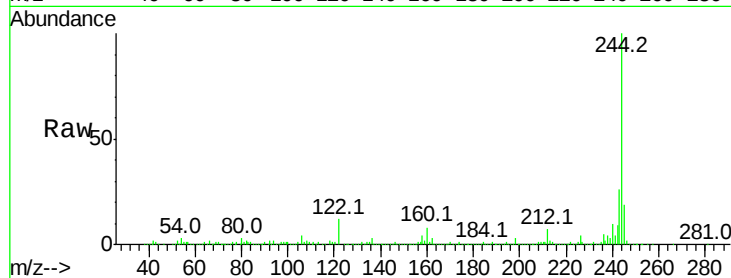




#78
 Terphenyl-d14
 Concen: 65.629 ng
 RT: 12.76 min Scan# 1814
 Delta R.T. -0.01 min
 Lab File: BF098506.D
 Acq: 13 Sep 2017 23:04

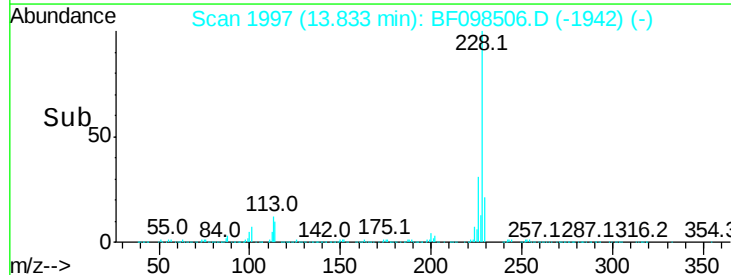
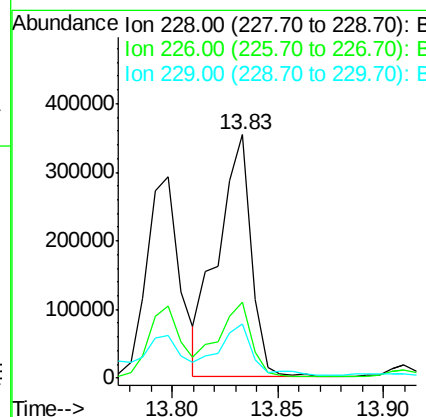
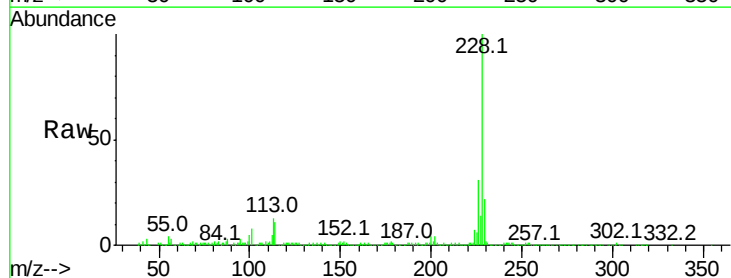
Instrument :
 BNA_F
 ClientSampled :

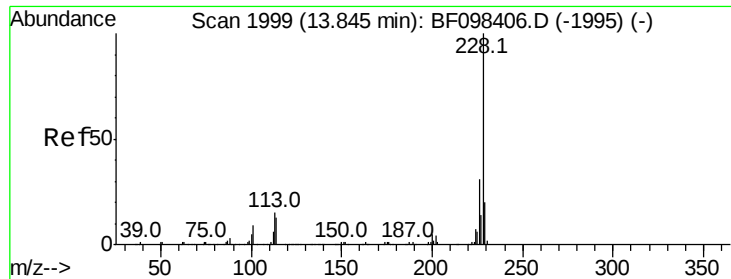
Tot Ion:244 Resp: 1024174
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 12.2 10.3 15.5



#80
 Benzo(a)anthracene
 Concen: 19.518 ng
 RT: 13.83 min Scan# 1997
 Delta R.T. 0.02 min
 Lab File: BF098506.D
 Acq: 13 Sep 2017 23:04

Tgt Ion:228 Resp: 385441
 Ion Ratio Lower Upper
 228 100
 226 31.0 22.6 33.8
 229 22.1 16.3 24.5





#82

Chrysene

Concen: 19.308 ng

RT: 13.83 min Scan# 1997

Delta R.T. -0.01 min

Lab File: BF098506.D

Acq: 13 Sep 2017 23:04

Instrument :

BNA_F

ClientSampled :

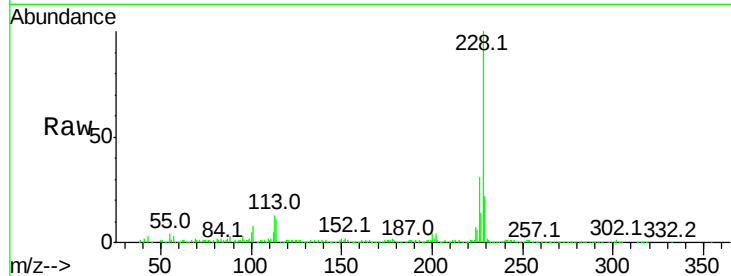
Tot Ion:228 Resp: 385441

Ion Ratio Lower Upper

228 100

226 31.0 24.9 37.3

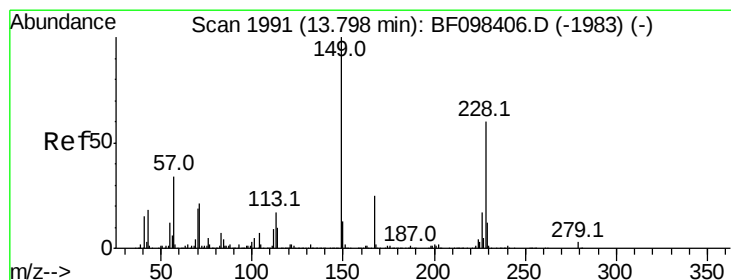
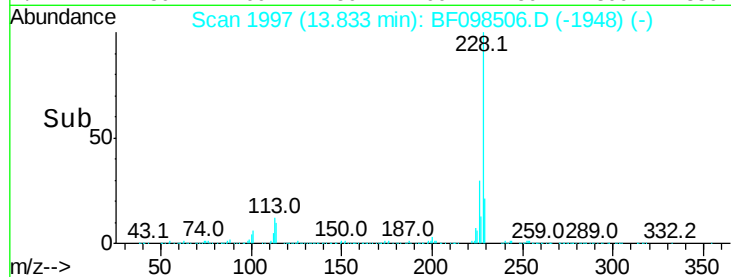
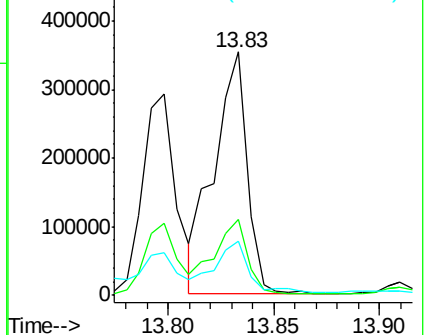
229 22.1 15.8 23.6



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.419 ng

RT: 13.79 min Scan# 1989

Delta R.T. -0.01 min

Lab File: BF098506.D

Acq: 13 Sep 2017 23:04

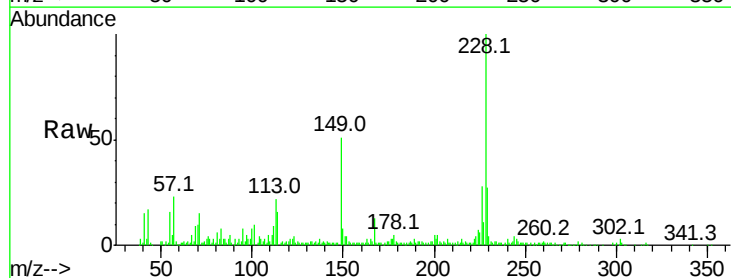
Tgt Ion:149 Resp: 49468

Ion Ratio Lower Upper

149 100

167 25.7 21.0 31.4

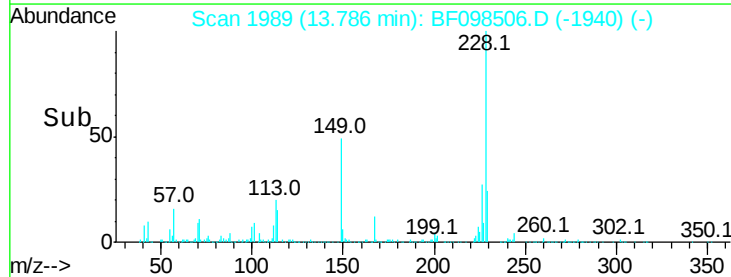
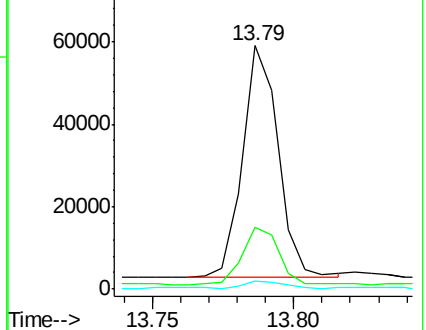
279 3.2 1.9 2.9#

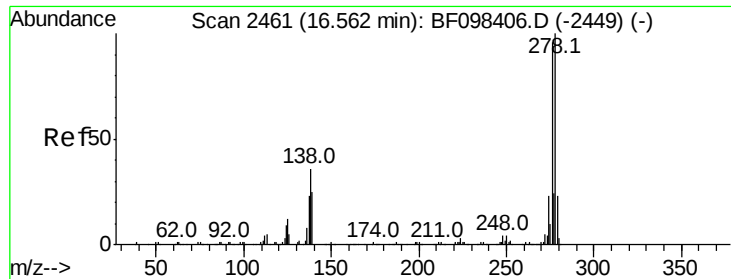


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

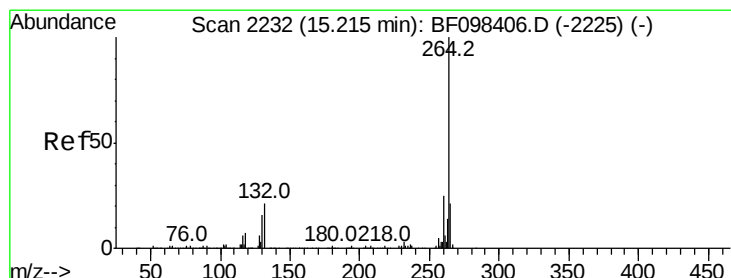
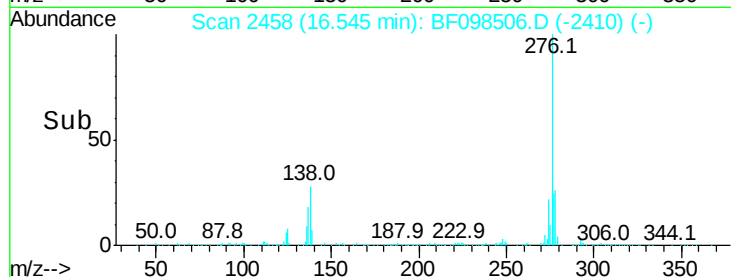
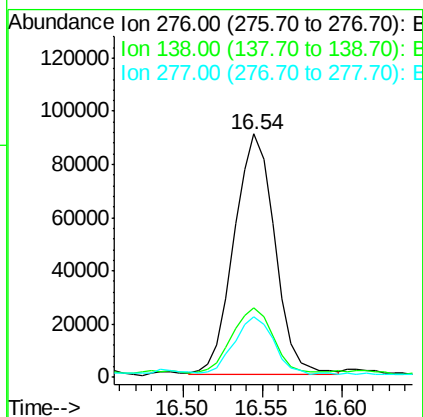
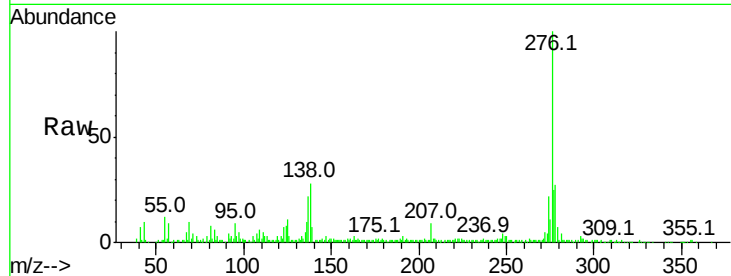




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 11.594 ng
 RT: 16.54 min Scan# 2458
 Delta R.T. -0.02 min
 Lab File: BF098506.D
 Acq: 13 Sep 2017 23:04

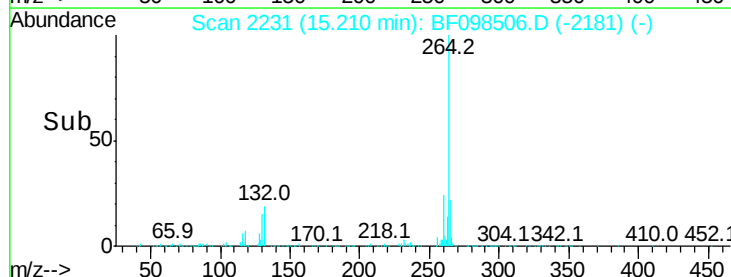
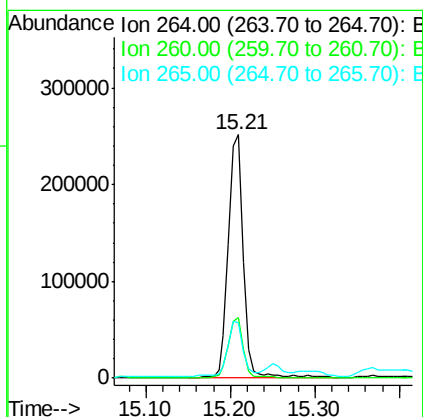
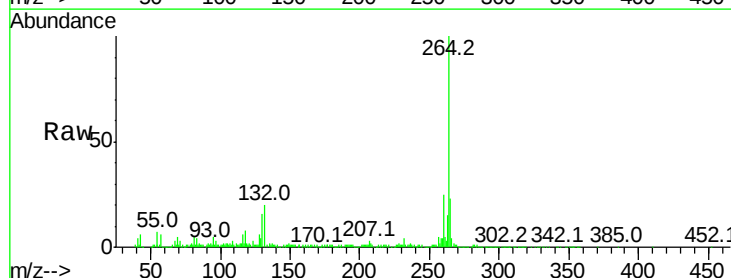
Instrument :
 BNA_F
 ClientSampleId :

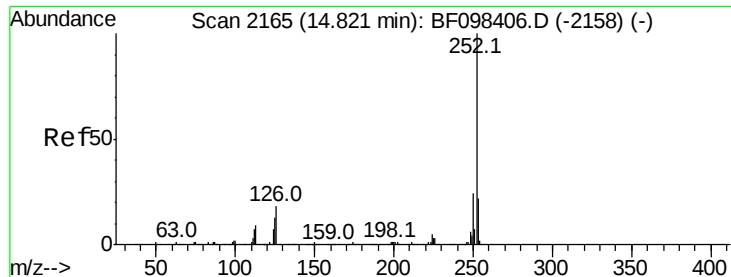
Tot Ion:276 Resp: 162382
 Ion Ratio Lower Upper
 276 100
 138 28.1 27.8 41.6
 277 22.4 20.2 30.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.21 min Scan# 2231
 Delta R.T. -0.01 min
 Lab File: BF098506.D
 Acq: 13 Sep 2017 23:04

Tgt Ion:264 Resp: 306211
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.5 29.3
 265 22.7 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 41.037 ng

RT: 14.82 min Scan# 2164

Delta R.T. -0.01 min

Lab File: BF098506.D

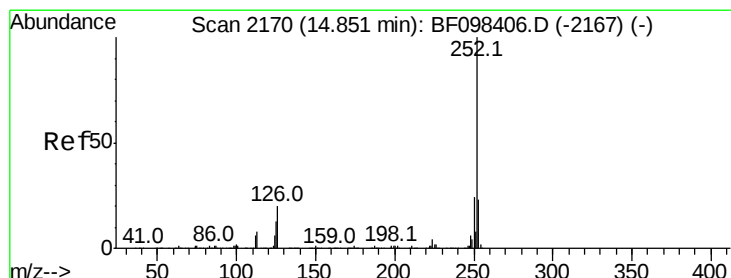
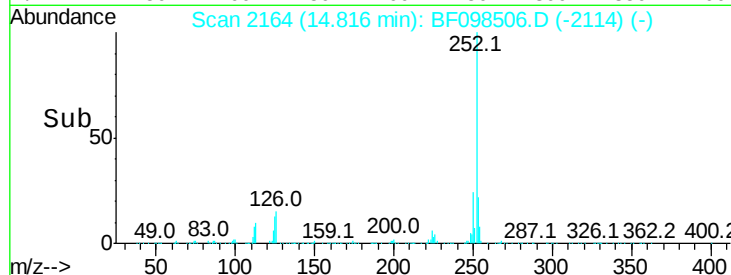
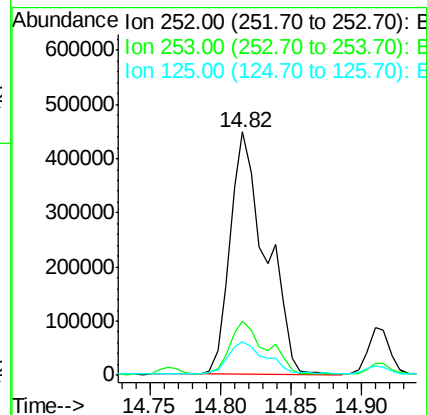
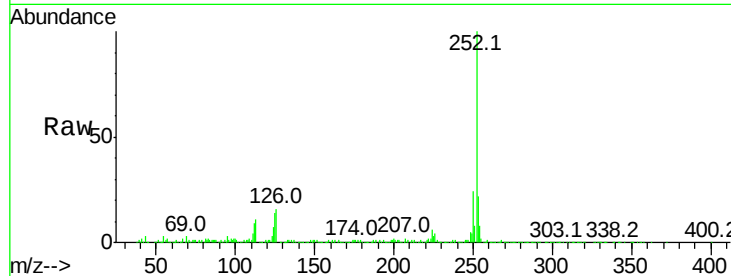
Acq: 13 Sep 2017 23:04

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	790107
Ion Ratio	Lower	Upper
252	100	
253	22.4	18.1 27.1
125	14.1	9.8 14.8



#88

Benzo(k)fluoranthene

Concen: 43.957 ng

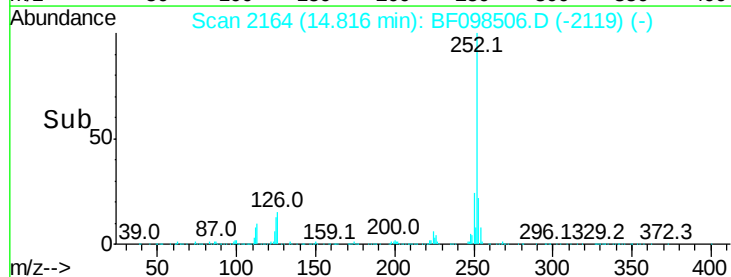
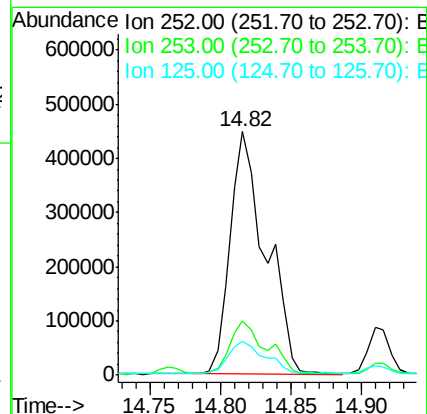
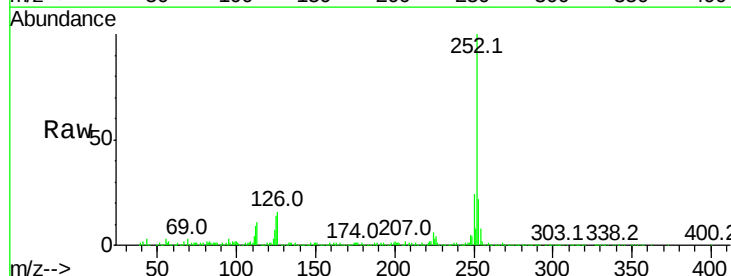
RT: 14.82 min Scan# 2164

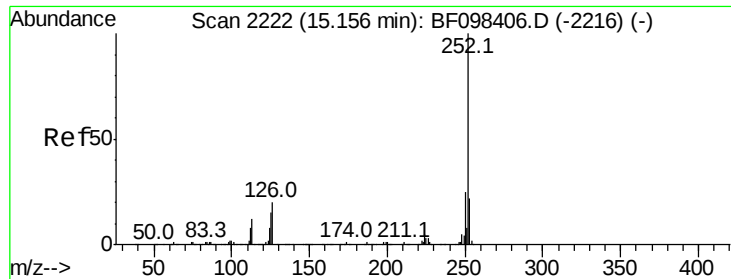
Delta R.T. -0.04 min

Lab File: BF098506.D

Acq: 13 Sep 2017 23:04

Tgt Ion:252	Resp:	790107
Ion Ratio	Lower	Upper
252	100	
253	22.4	18.4 27.6
125	14.1	13.1 19.7

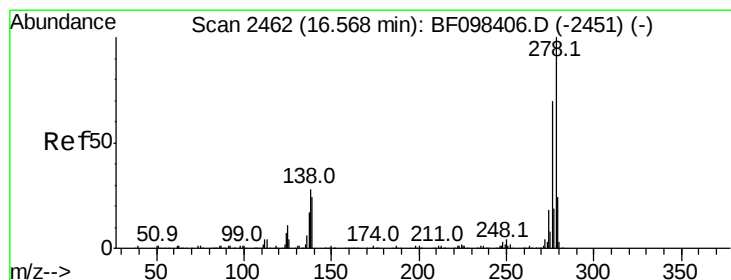
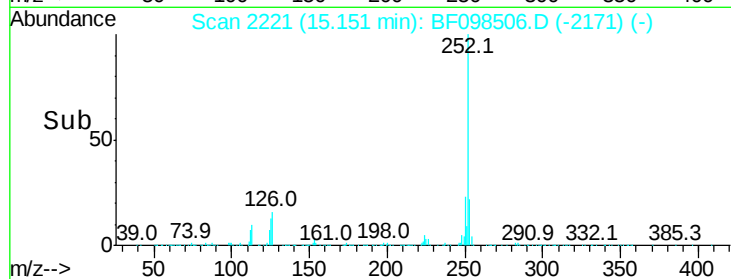
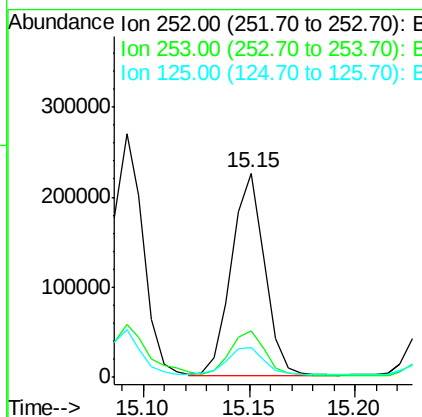
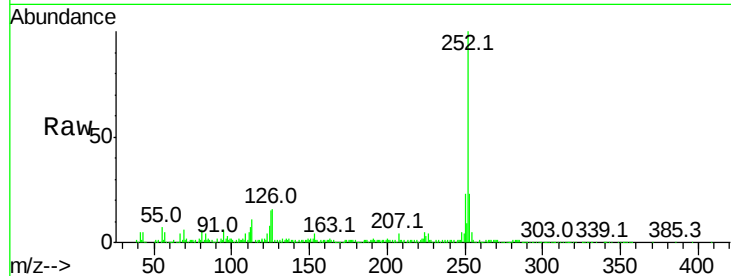




#89
Benzo(a)pyrene
Concen: 14.311 ng
RT: 15.15 min Scan# 2221
Delta R.T. -0.01 min
Lab File: BF098506.D
Acq: 13 Sep 2017 23:04

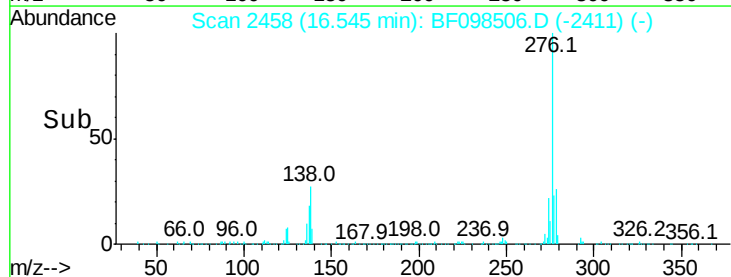
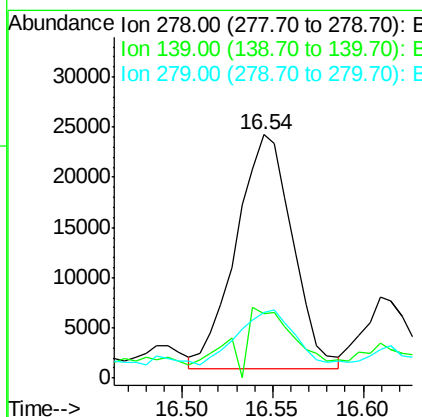
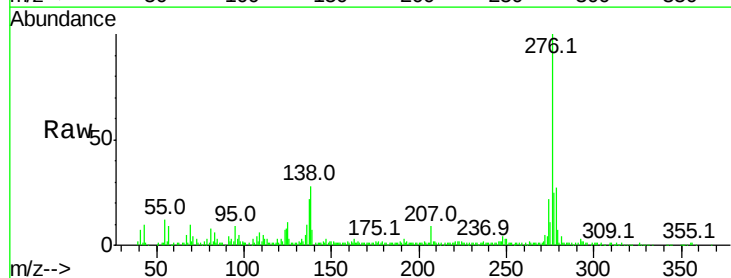
Instrument :
BNA_F
ClientSampleId :

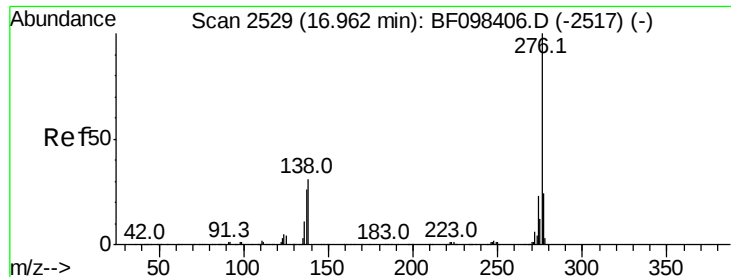
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	14.6	11.0	16.4



#90
Dibenzo(a,h)anthracene
Concen: 4.049 ng
RT: 16.54 min Scan# 2458
Delta R.T. -0.02 min
Lab File: BF098506.D
Acq: 13 Sep 2017 23:04

Tgt Ion	Ratio	Lower	Upper
278	100		
139	26.5	16.6	24.8#
279	26.7	19.3	28.9





#91

Benzo(a,h,i)perylene

Concen: 11.390 ng

RT: 16.95 min Scan# 2527

Delta R.T. -0.01 min

Lab File: BF098506.D

Acq: 13 Sep 2017 23:04

Instrument :

BNA_F

ClientSampleId :

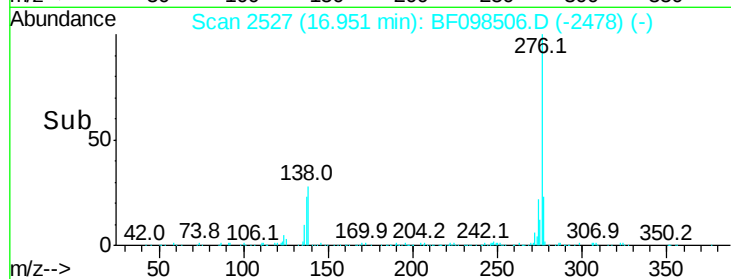
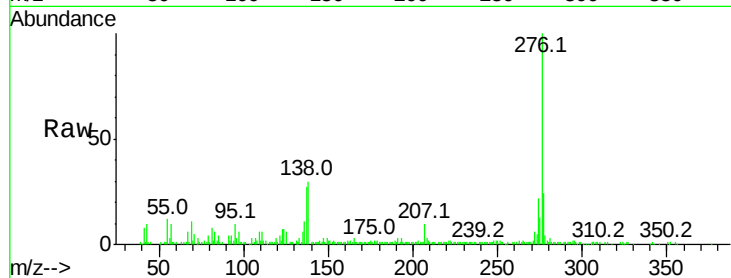
Tot Ion:276 Resp: 142952

Ion Ratio Lower Upper

276 100

277 24.4 18.6 28.0

138 29.8 25.4 38.0



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

