

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092817\
 Data File : BF098926.D
 Acq On : 29 Sep 2017 00:20
 Operator : SJ/JU
 Sample : I5481-01 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 29 00:48:48 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	6.92	152	145888	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	551460	20.00	ng	0.00
38) Acenaphthene-d10	9.96	164	208035	20.00	ng	0.00
63) Phenanthrene-d10	11.44	188	302638	20.00	ng	0.00
75) Chrysene-d12	14.09	240	265670	20.00	ng	0.00
86) Perylene-d12	15.58	264	223578	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	457951	49.97	ng	0.00
7) Phenol-d6	6.53	99	536370	47.44	ng	-0.01
23) Nitrobenzene-d5	7.47	82	318294	37.01	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	69209	40.66	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	534921	42.93	ng	-0.01
78) Terphenyl-d14	13.03	244	356207	30.49	ng	0.00

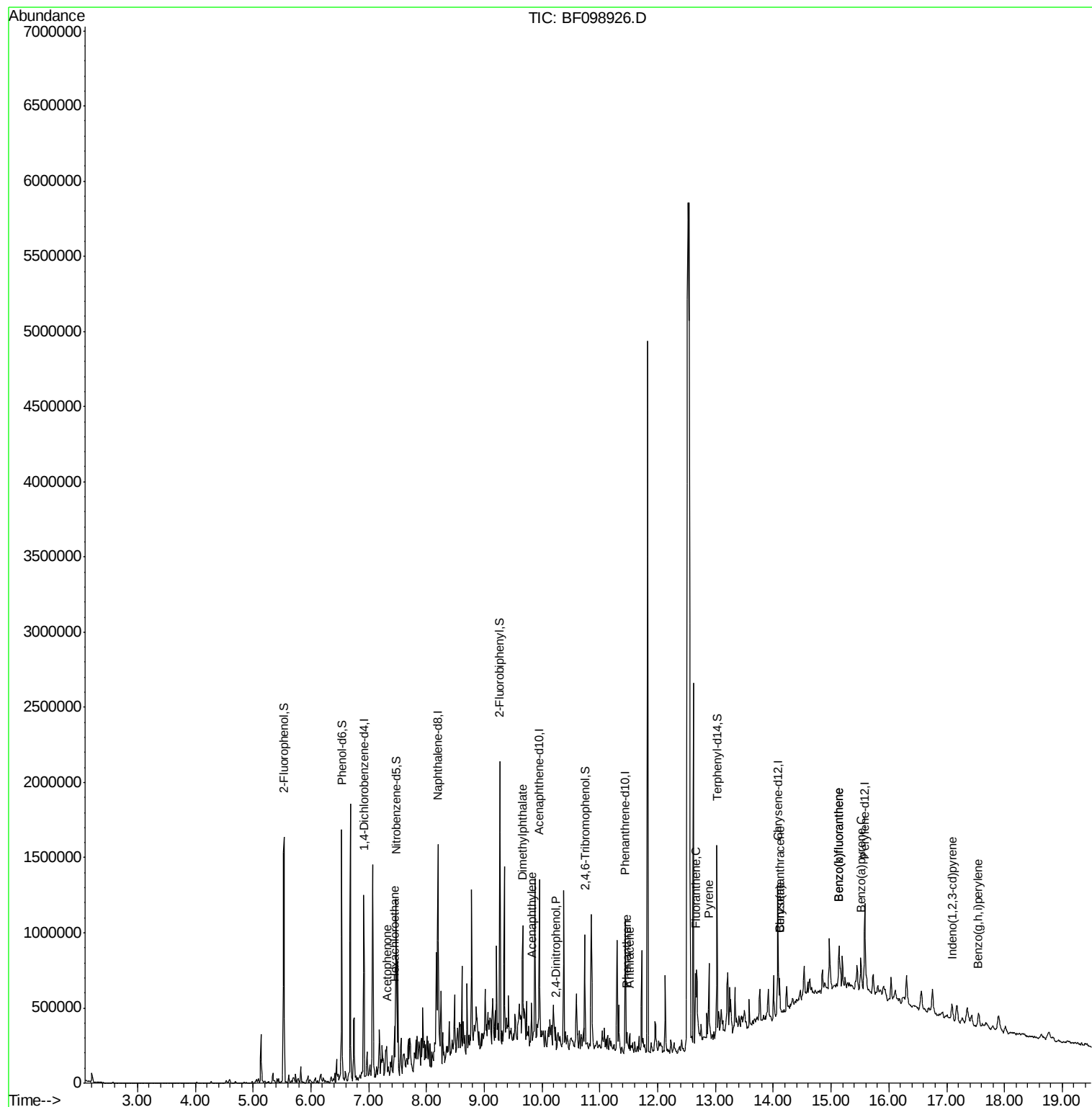
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	7.44	117	9035	2.27	ng	# 1
22) Acetophenone	7.30	105	35357	2.65	ng	# 59
48) Acenaphthylene	9.82	152	63879	3.11	ng	# 99
49) Dimethylphthalate	9.66	163	85983	5.48	ng	# 97
53) 2,4-Dinitrophenol	10.24	184	122	5.89	ng	# 50
70) Phenanthrene	11.46	178	33185	2.05	ng	# 97
71) Anthracene	11.52	178	41928	2.53	ng	# 99
74) Fluoranthene	12.66	202	89228	5.44	ng	# 97
77) Pyrene	12.89	202	101463	5.01	ng	# 97
80) Benzo(a)anthracene	14.11	228	95289	5.92	ng	# 96
82) Chrysene	14.11	228	95289	6.22	ng	# 95
85) Indeno(1,2,3-cd)pyrene	17.09	276	65625	5.36	ng	# 98
87) Benzo(b)fluoranthene	15.14	252	187891	13.67	ng	# 90
88) Benzo(k)fluoranthene	15.14	252	187891	13.84	ng	# 92
89) Benzo(a)pyrene	15.52	252	94675	7.50	ng	# 89
91) Benzo(g,h,i)perylene	17.56	276	66733	6.69	ng	# 94

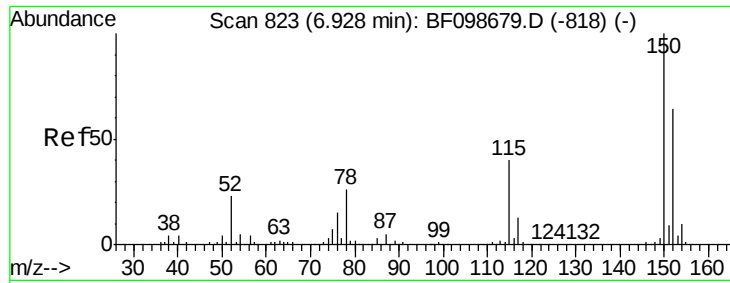
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092817\
Data File : BF098926.D
Acq On : 29 Sep 2017 00:20
Operator : SJ/JU
Sample : I5481-01 2X
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Sep 29 00:48:48 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



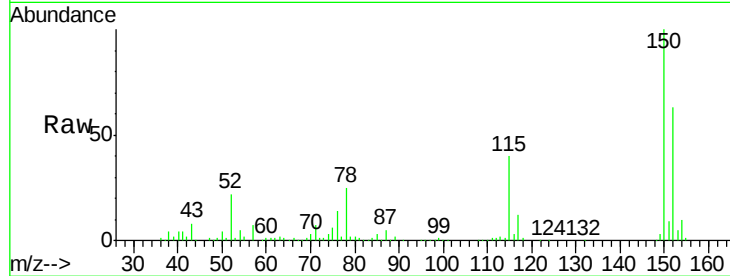


#1

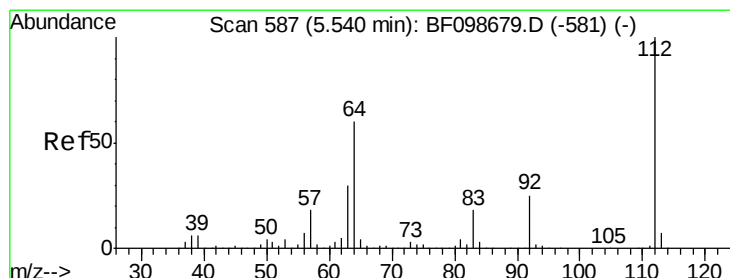
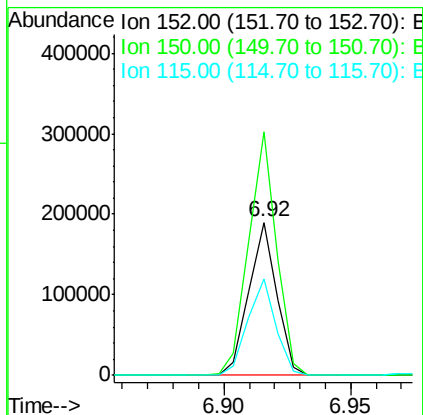
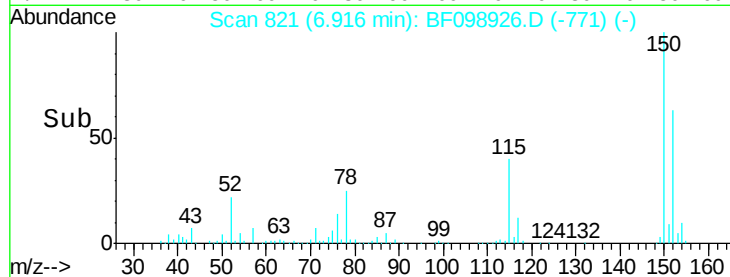
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098926.D
Acq: 29 Sep 2017 00:20

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 145888
Ion Ratio Lower Upper
152 100
150 159.4 124.6 186.8
115 63.2 50.1 75.1



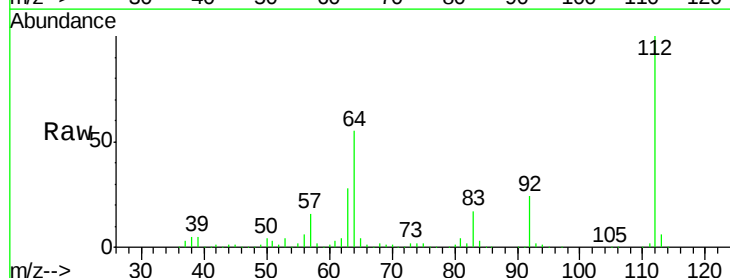
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



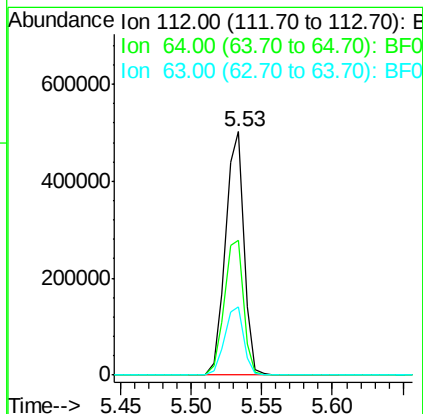
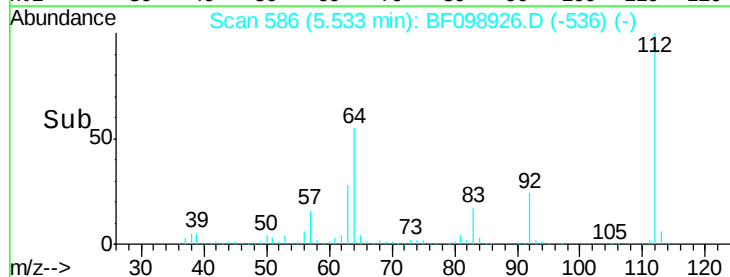
#5

2-Fluorophenol
Concen: 49.97 ng
RT: 5.53 min Scan# 586
Delta R.T. -0.01 min
Lab File: BF098926.D
Acq: 29 Sep 2017 00:20

Tgt Ion:112 Resp: 457951
Ion Ratio Lower Upper
112 100
64 55.3 47.9 71.9
63 27.9 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: 47.44 ng

RT: 6.53 min Scan# 756

Delta R.T. -0.01 min

Lab File: BF098926.D

Acq: 29 Sep 2017 00:20

Instrument :

BNA_F

ClientSampleId :

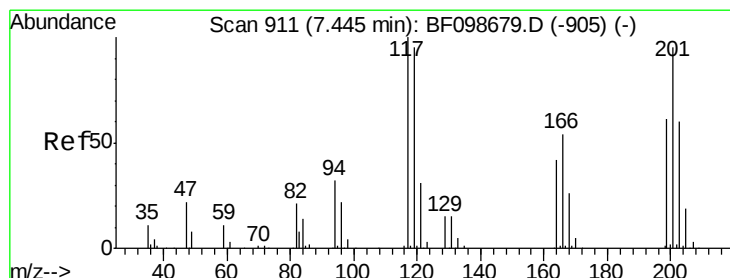
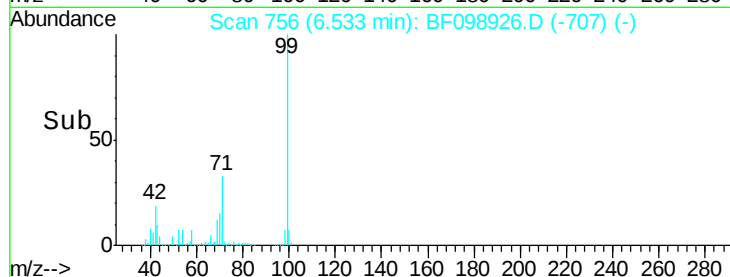
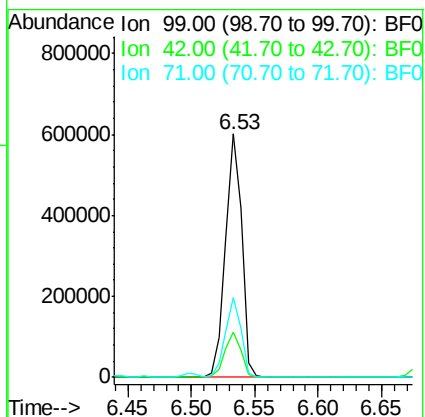
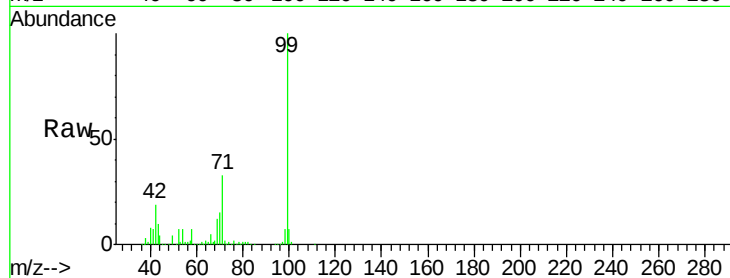
Tot Ion: 99 Resp: 536370

Ion Ratio Lower Upper

99 100

42 18.8 14.5 21.7

71 32.7 25.4 38.0



#18

Hexachloroethane

Concen: 2.27 ng

RT: 7.44 min Scan# 911

Delta R.T. 0.01 min

Lab File: BF098926.D

Acq: 29 Sep 2017 00:20

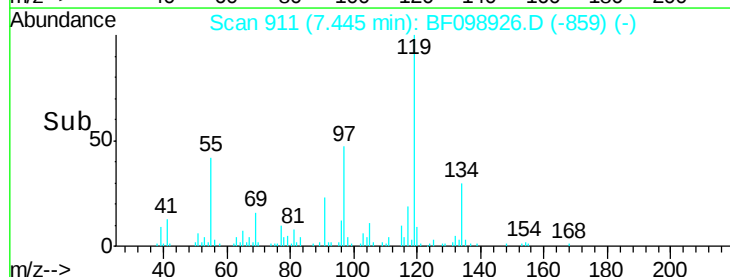
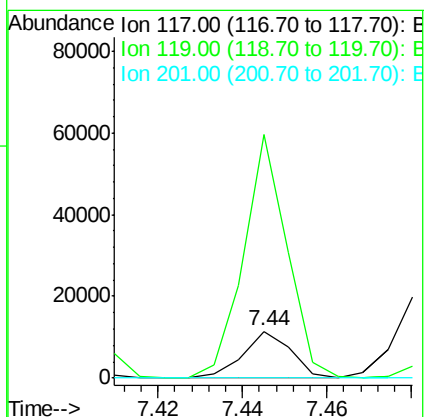
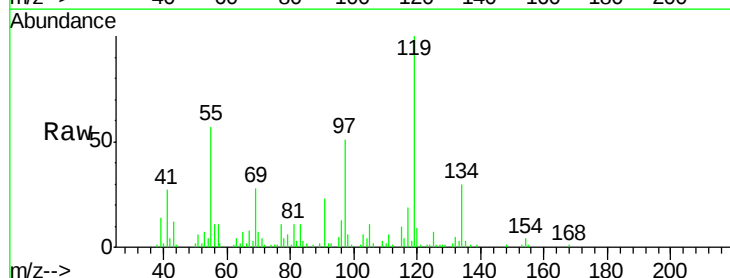
Tgt Ion: 117 Resp: 9035

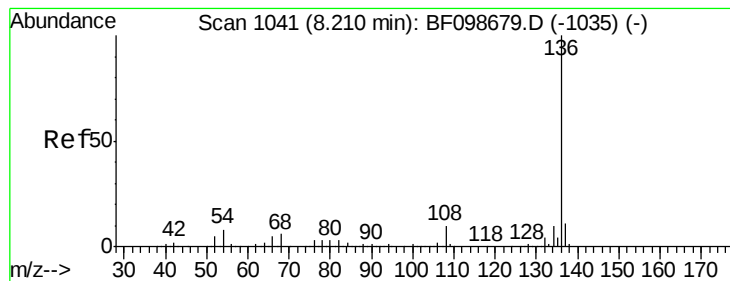
Ion Ratio Lower Upper

117 100

119 523.3 75.8 113.8#

201 0.0 75.7 113.5#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.20 min Scan# 1039

Delta R.T. -0.01 min

Lab File: BF098926.D

Acq: 29 Sep 2017 00:20

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 551460

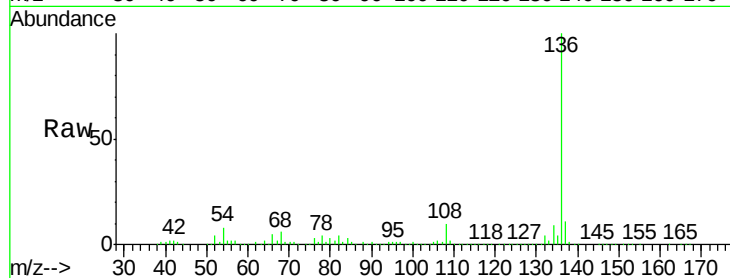
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 8.3 6.6 9.8

68 6.5 5.0 7.4

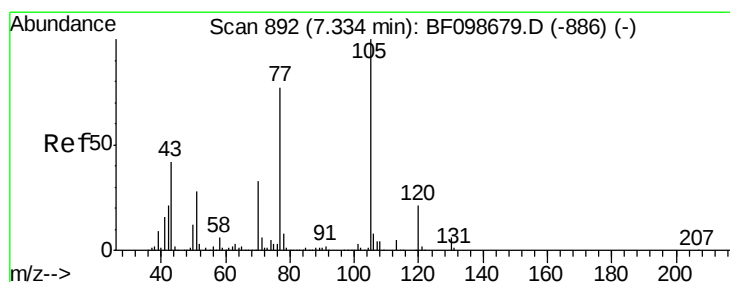
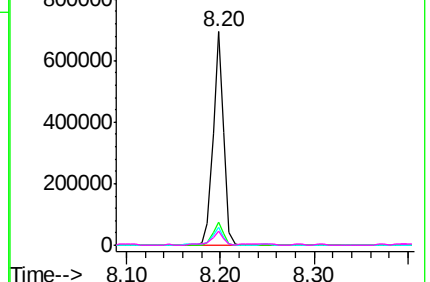
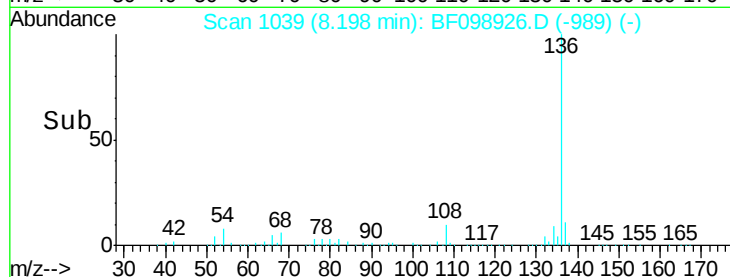


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#22

Acetophenone

Concen: 2.65 ng

RT: 7.30 min Scan# 887

Delta R.T. -0.03 min

Lab File: BF098926.D

Acq: 29 Sep 2017 00:20

Tgt Ion:105 Resp: 35357

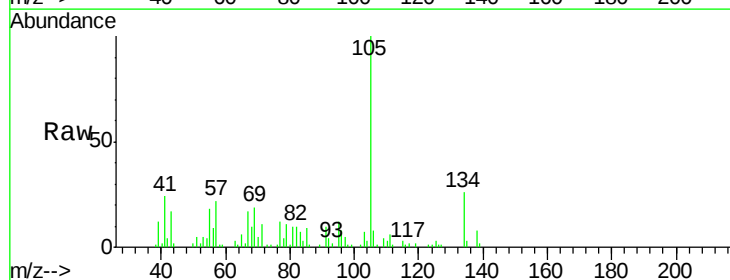
Ion Ratio Lower Upper

105 100

71 10.9 4.4 6.6#

51 5.2 22.3 33.5#

120 0.0 16.9 25.3#

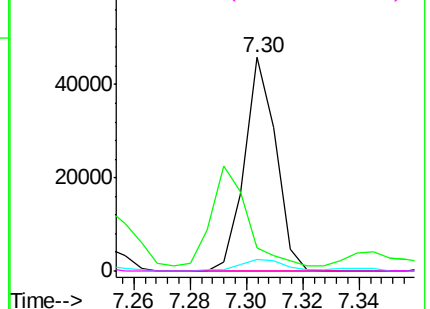
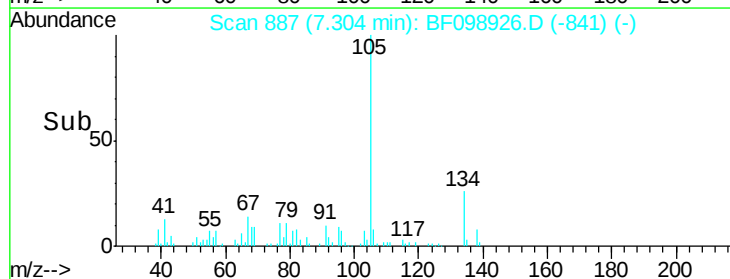


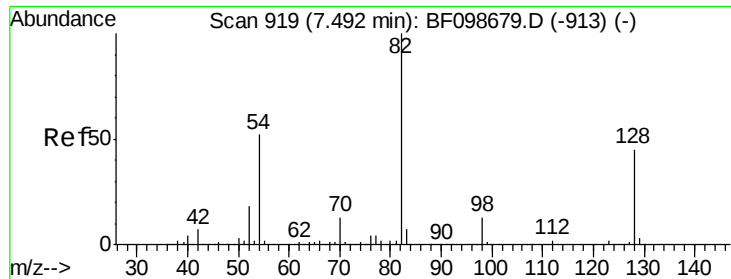
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E

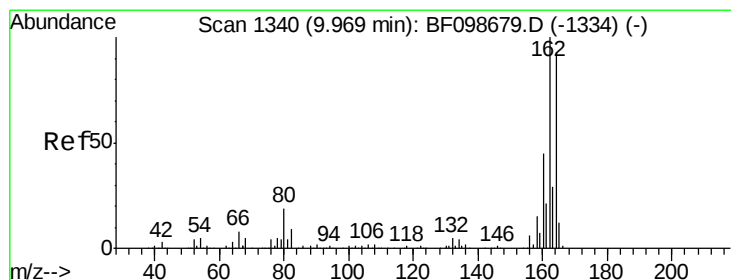
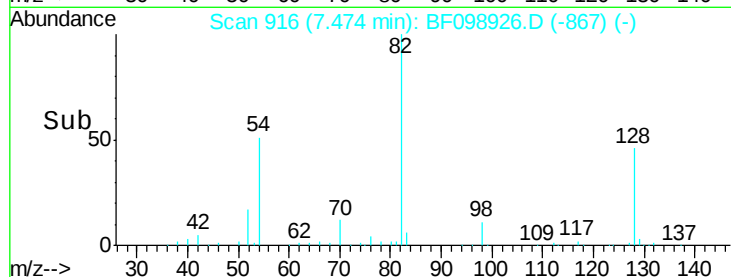
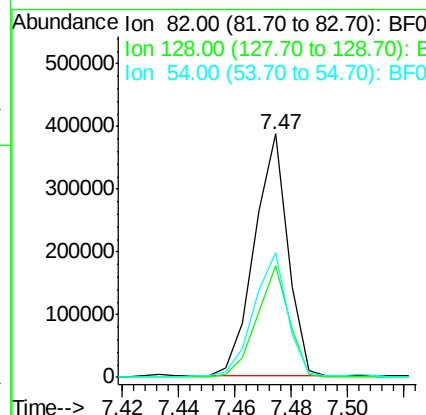
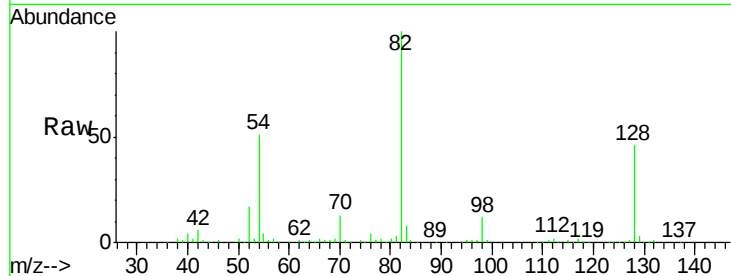




#23
Nitrobenzene-d5
Concen: 37.01 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.01 min
Lab File: BF098926.D
Acq: 29 Sep 2017 00:20

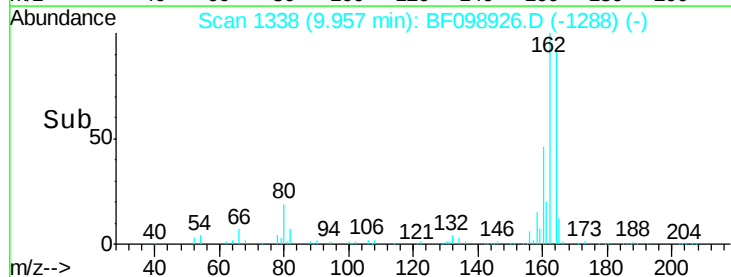
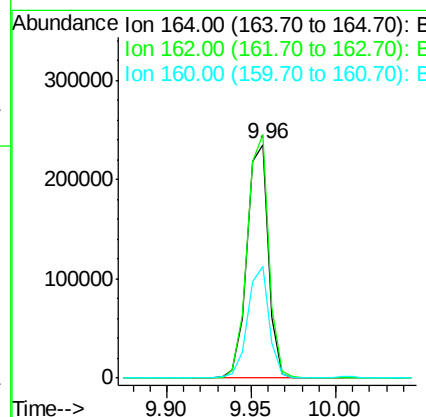
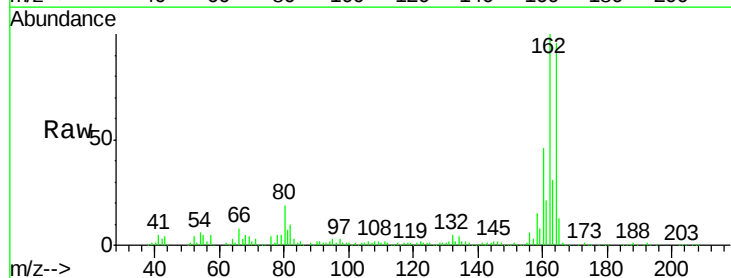
Instrument :
BNA_F
ClientSampled :

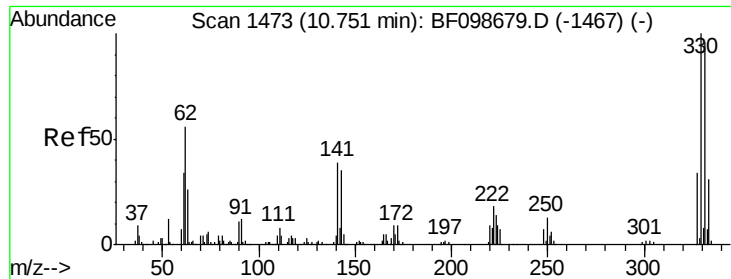
Tot Ion: 82 Resp: 318294
Ion Ratio Lower Upper
82 100
128 46.0 36.1 54.1
54 51.2 41.4 62.2



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.01 min
Lab File: BF098926.D
Acq: 29 Sep 2017 00:20

Tgt Ion:164 Resp: 208035
Ion Ratio Lower Upper
164 100
162 104.1 86.1 129.1
160 47.7 38.3 57.5

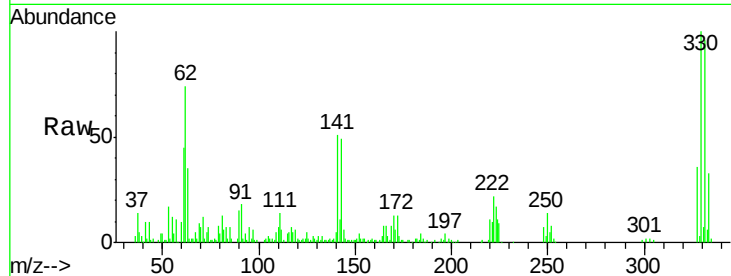




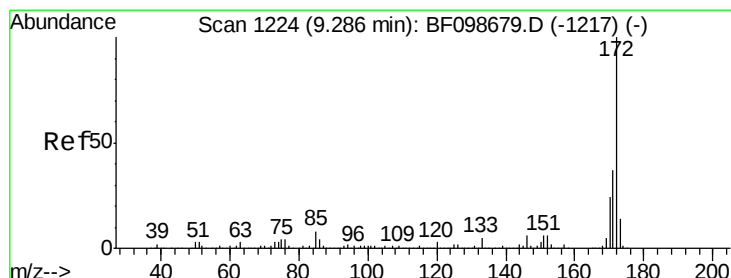
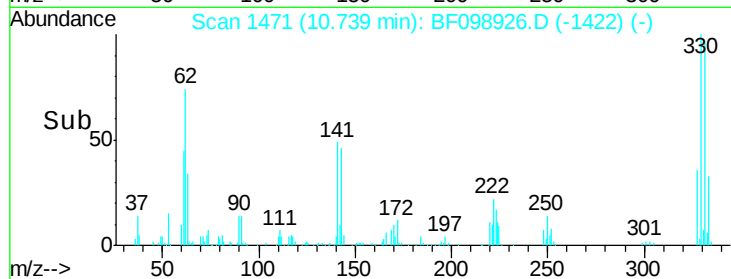
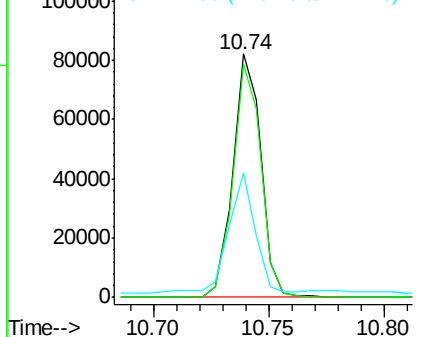
#41
 2,4,6-Tribromophenol
 Concen: 40.66 ng
 RT: 10.74 min Scan# 1471
 Delta R.T. -0.01 min
 Lab File: BF098926.D
 Acq: 29 Sep 2017 00:20

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:330 Resp: 69209
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.0 115.6
 141 48.1 29.9 44.9#

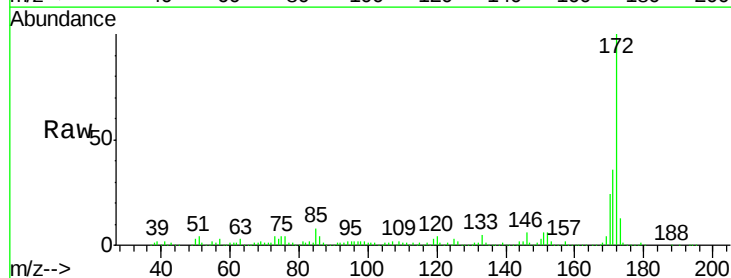


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

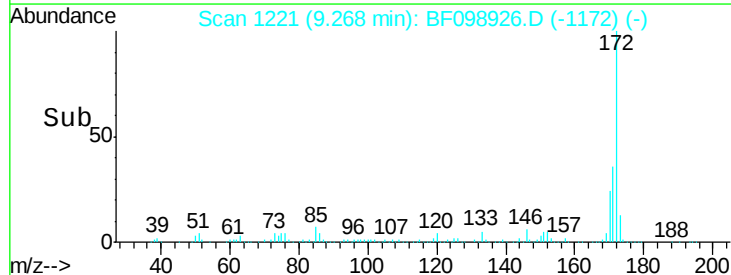
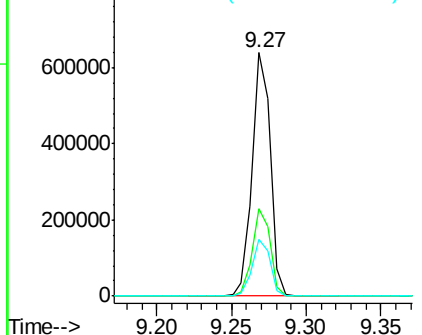


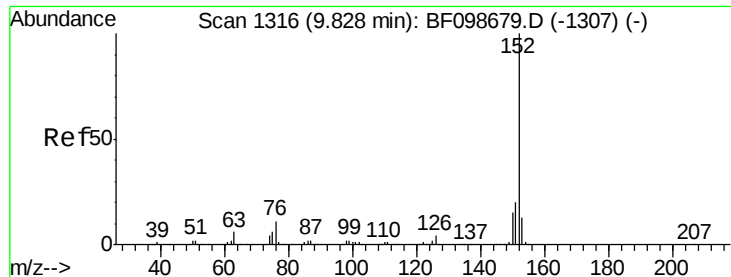
#44
 2-Fluorobiphenyl
 Concen: 42.93 ng
 RT: 9.27 min Scan# 1221
 Delta R.T. -0.01 min
 Lab File: BF098926.D
 Acq: 29 Sep 2017 00:20

Tgt Ion:172 Resp: 534921
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.7 44.5
 170 23.6 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





#48

Acenaphthylene

Concen: 3.11 ng

RT: 9.82 min Scan# 1314

Delta R.T. -0.01 min

Lab File: BF098926.D

Acq: 29 Sep 2017 00:20

Instrument :

BNA_F

ClientSampleId :

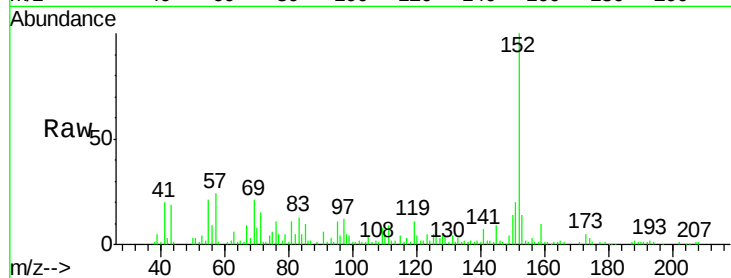
Tot Ion:152 Resp: 63879

Ion Ratio Lower Upper

152 100

151 20.3 16.3 24.5

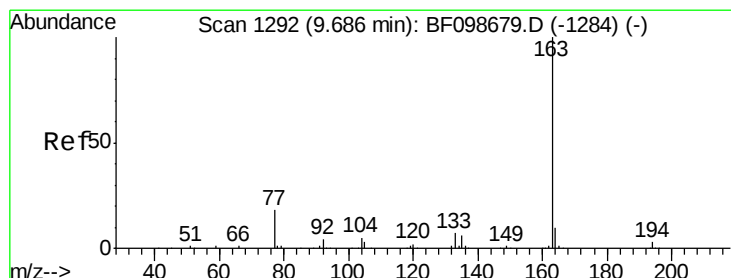
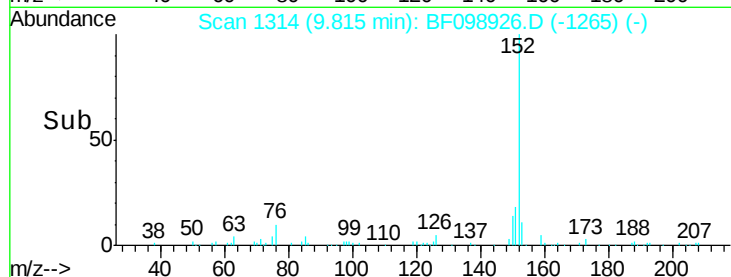
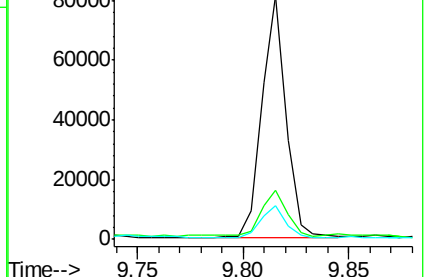
153 13.8 10.7 16.1



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: 5.48 ng

RT: 9.66 min Scan# 1288

Delta R.T. -0.02 min

Lab File: BF098926.D

Acq: 29 Sep 2017 00:20

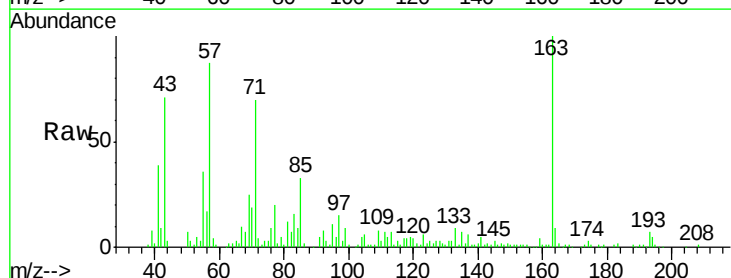
Tgt Ion:163 Resp: 85983

Ion Ratio Lower Upper

163 100

194 4.8 2.7 4.1#

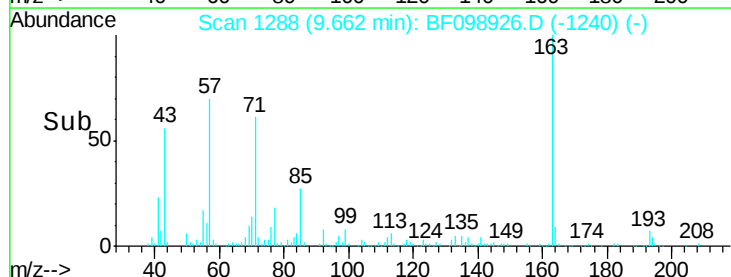
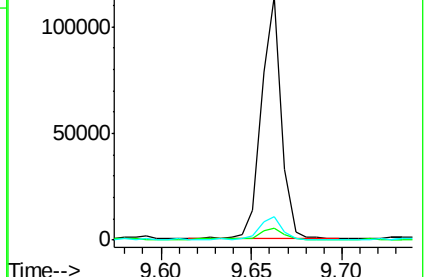
164 9.5 8.2 12.2

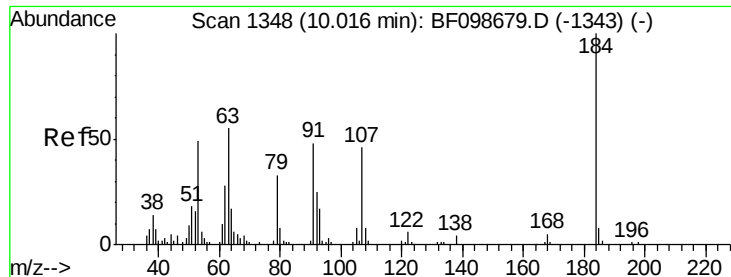


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#53

2,4-Dinitrophenol

Concen: 5.89 ng

RT: 10.24 min Scan# 1387

Delta R.T. 0.24 min

Lab File: BF098926.D

Acq: 29 Sep 2017 00:20

Instrument :

BNA_F

ClientSampled :

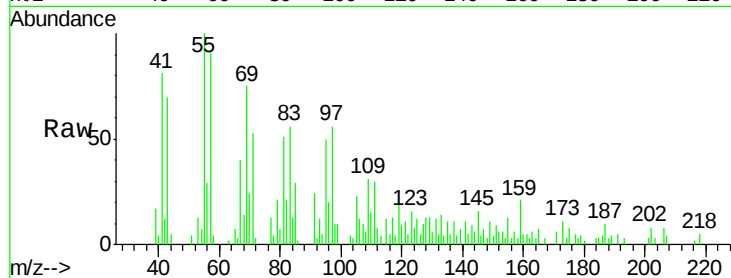
Tot Ion:184 Resp: 122

Ion Ratio Lower Upper

184 100

63 91.9 54.2 81.2#

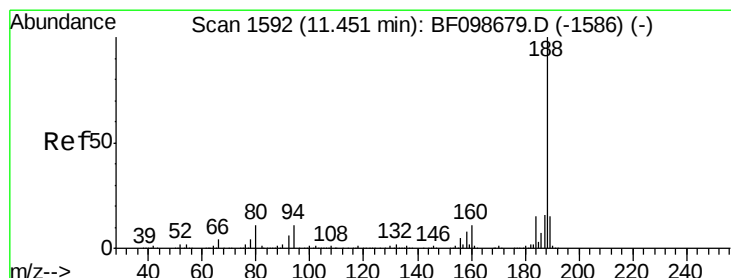
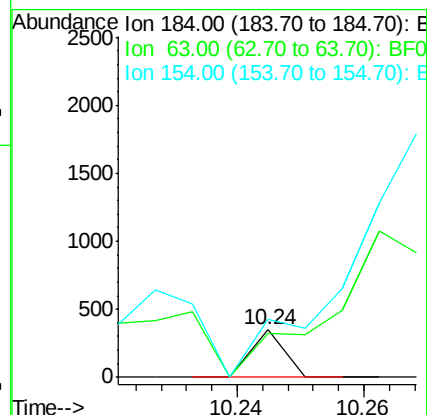
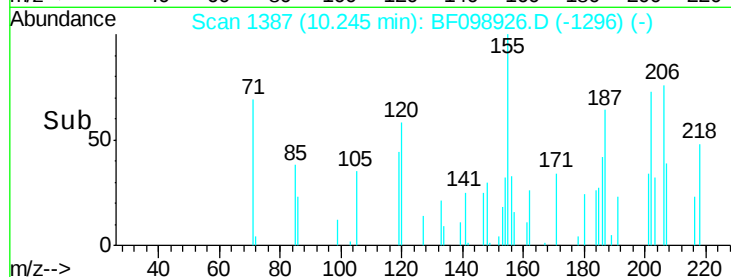
154 123.6 53.5 80.3#



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.44 min Scan# 1590

Delta R.T. -0.01 min

Lab File: BF098926.D

Acq: 29 Sep 2017 00:20

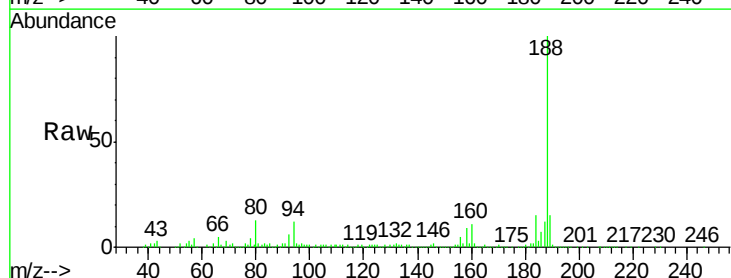
Tgt Ion:188 Resp: 302638

Ion Ratio Lower Upper

188 100

94 12.2 8.5 12.7

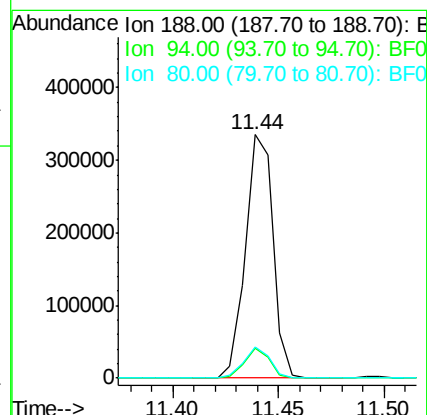
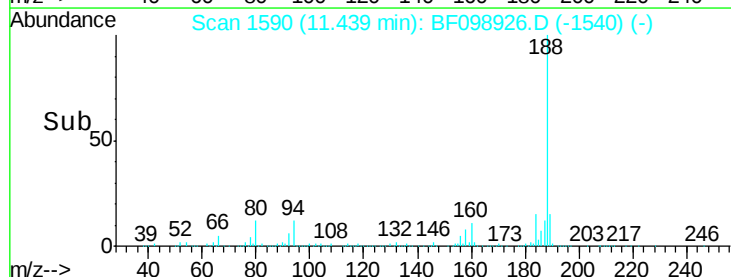
80 12.6 9.2 13.8

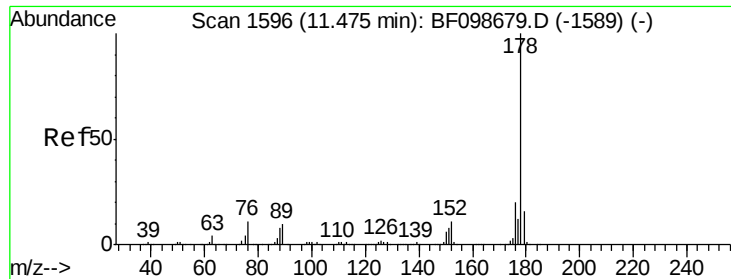


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

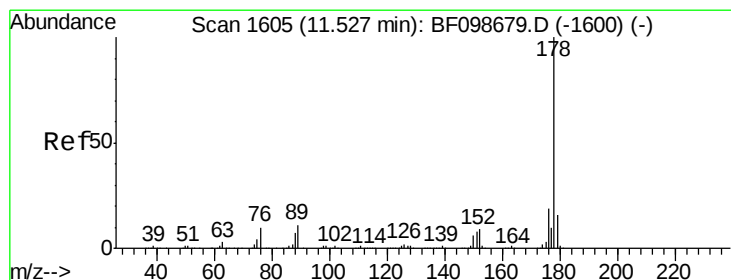
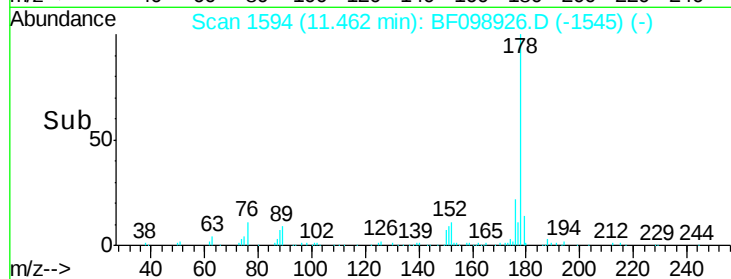
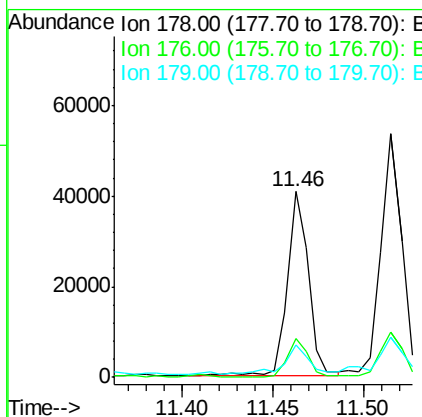
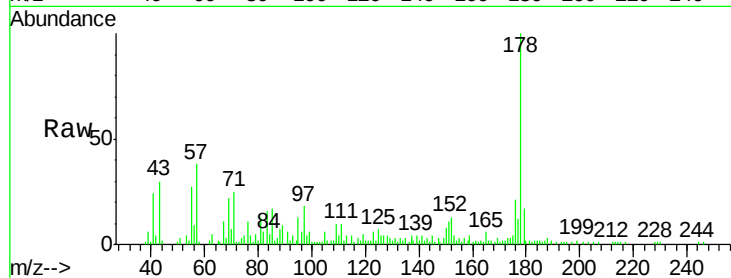




#70
Phenanthrene
Concen: 2.05 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF098926.D
Acq: 29 Sep 2017 00:20

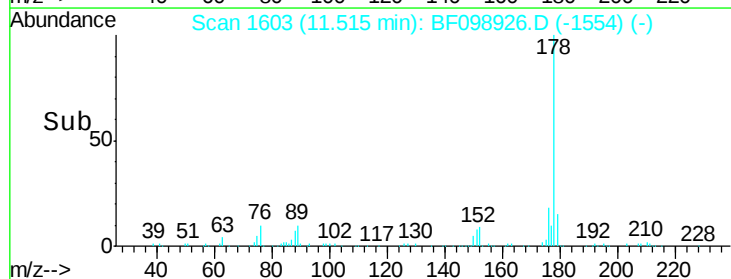
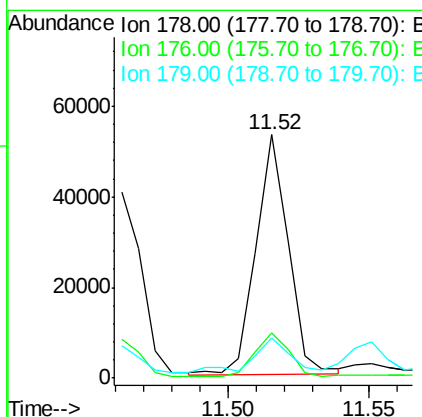
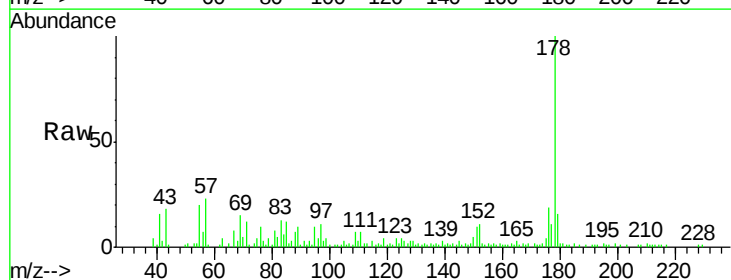
Instrument :
BNA_F
ClientSampleId :

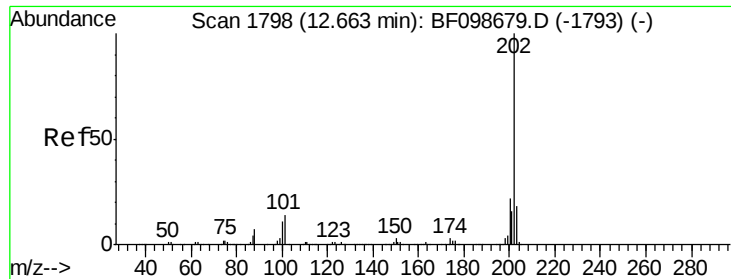
Tot Ion:178 Resp: 33185
Ion Ratio Lower Upper
178 100
176 21.1 15.8 23.8
179 17.3 13.0 19.6



#71
Anthracene
Concen: 2.53 ng
RT: 11.52 min Scan# 1603
Delta R.T. -0.01 min
Lab File: BF098926.D
Acq: 29 Sep 2017 00:20

Tgt Ion:178 Resp: 41928
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.2
179 16.3 12.6 19.0





#74

Fluoranthene

Concen: 5.44 ng

RT: 12.66 min Scan# 1797

Delta R.T. -0.01 min

Lab File: BF098926.D

Acq: 29 Sep 2017 00:20

Instrument :

BNA_F

ClientSampleId :

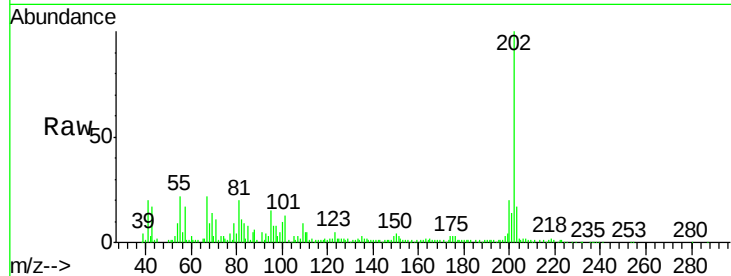
Tot Ion:202 Resp: 89228

Ion Ratio Lower Upper

202 100

101 12.5 0.0 34.1

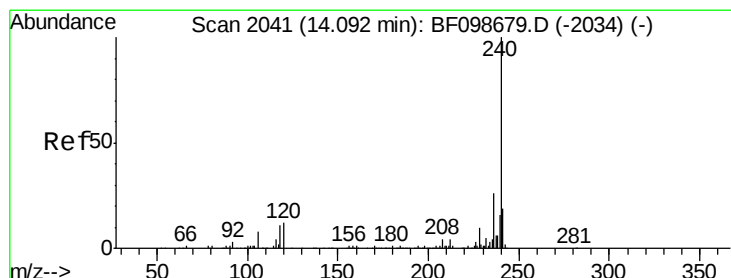
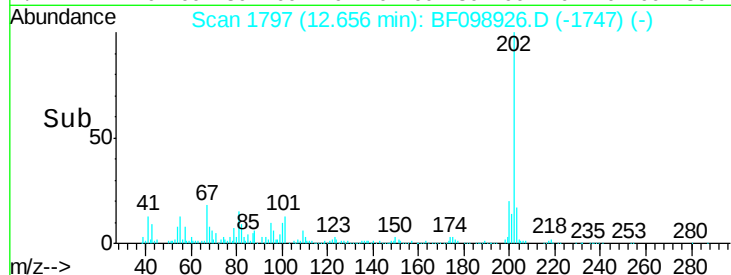
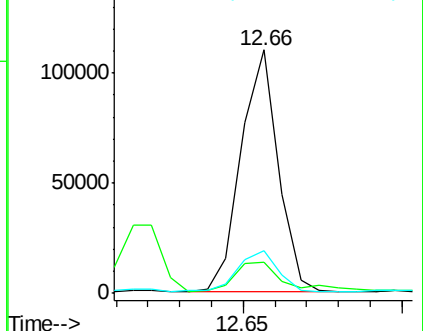
203 17.4 0.0 38.1



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: 14.09 min Scan# 2040

Delta R.T. -0.00 min

Lab File: BF098926.D

Acq: 29 Sep 2017 00:20

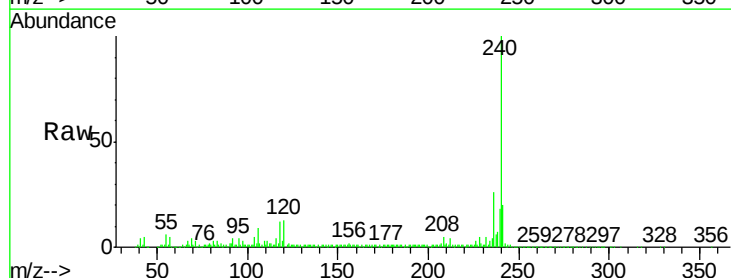
Tgt Ion:240 Resp: 265670

Ion Ratio Lower Upper

240 100

120 13.2 9.5 14.3

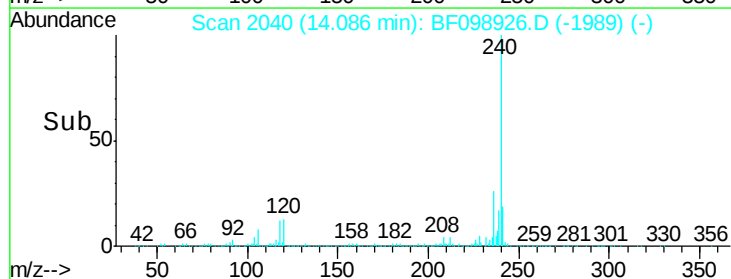
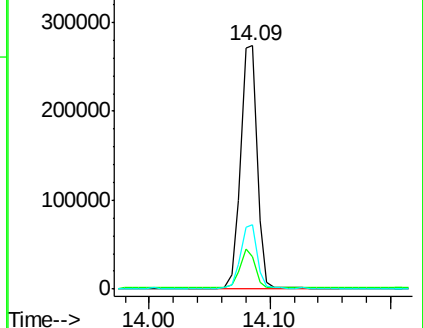
236 26.4 20.7 31.1

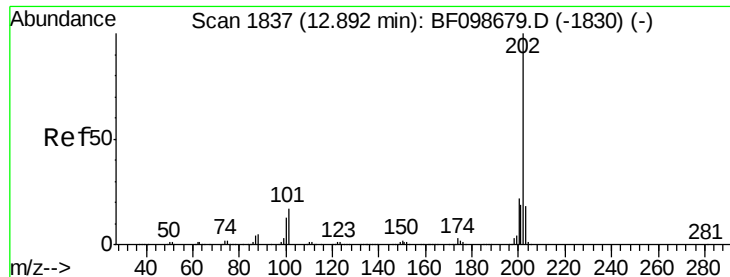


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 5.01 ng

RT: 12.89 min Scan# 1836

Delta R.T. -0.01 min

Lab File: BF098926.D

Acq: 29 Sep 2017 00:20

Instrument :

BNA_F

ClientSampleId :

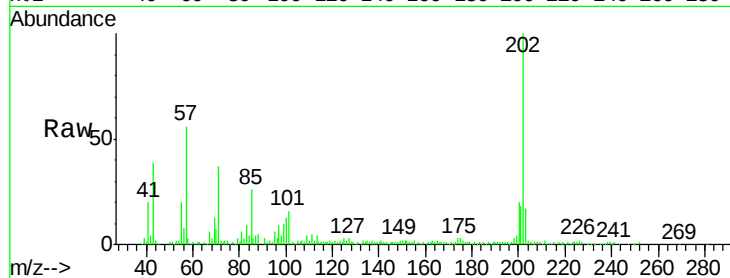
Tot Ion:202 Resp: 101463

Ion Ratio Lower Upper

202 100

200 19.8 17.4 26.2

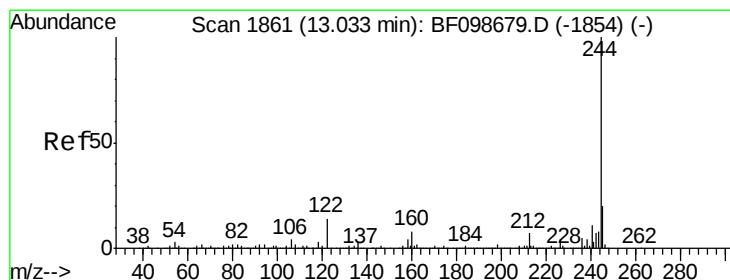
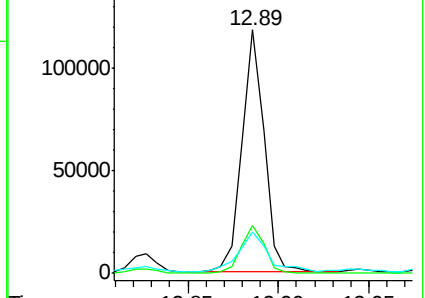
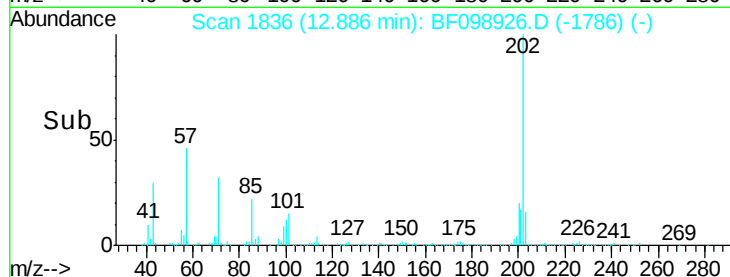
203 17.0 14.3 21.5



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: 30.49 ng

RT: 13.03 min Scan# 1860

Delta R.T. -0.01 min

Lab File: BF098926.D

Acq: 29 Sep 2017 00:20

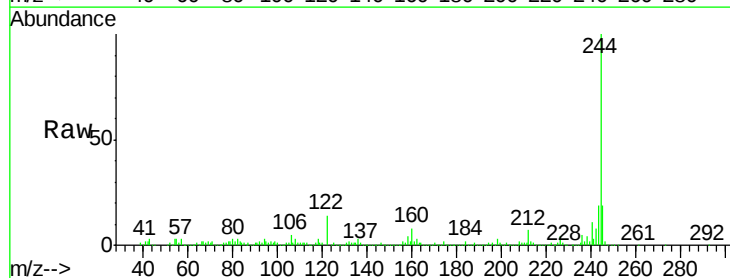
Tgt Ion:244 Resp: 356207

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

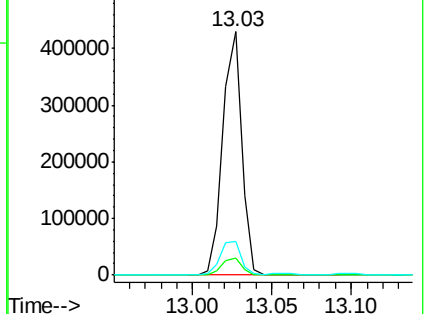
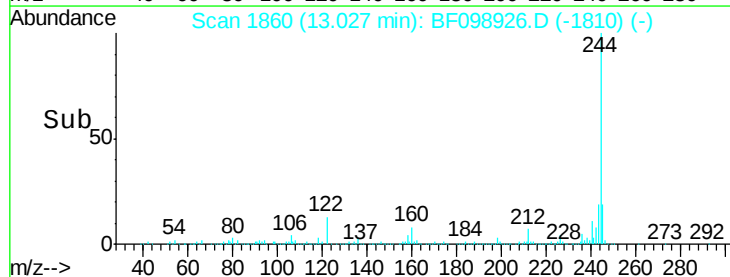
122 13.6 11.0 16.4

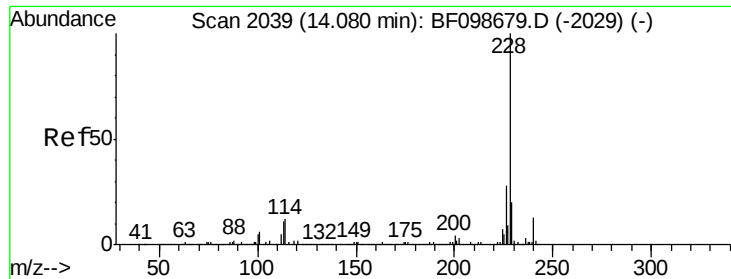


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

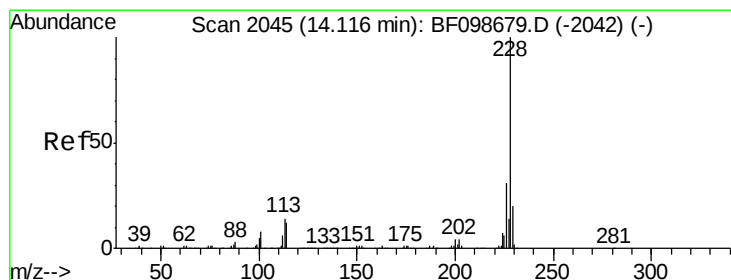
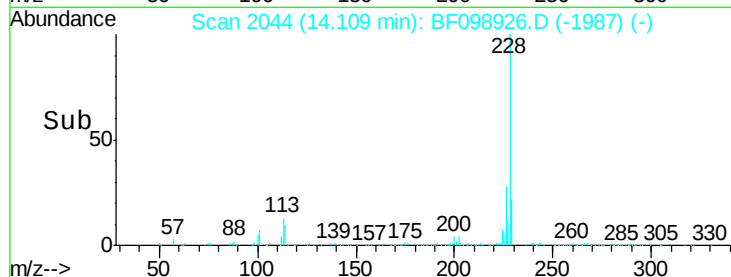
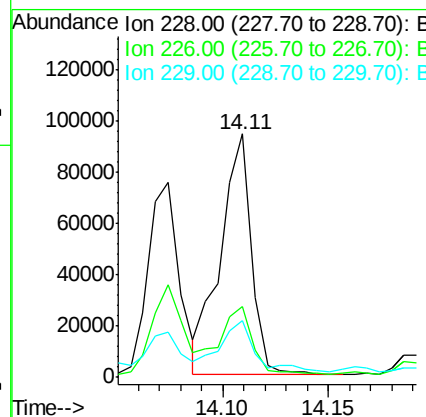
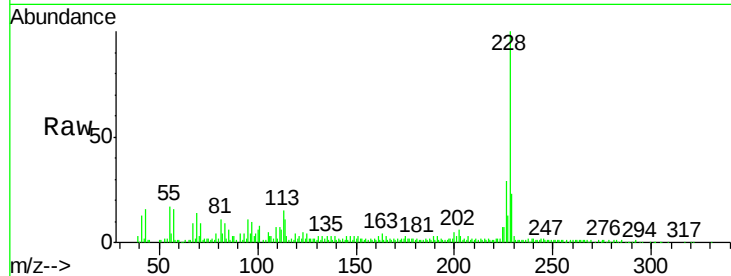




#80
Benzo(a)anthracene
Concen: 5.92 ng
RT: 14.11 min Scan# 2044
Delta R.T. 0.03 min
Lab File: BF098926.D
Acq: 29 Sep 2017 00:20

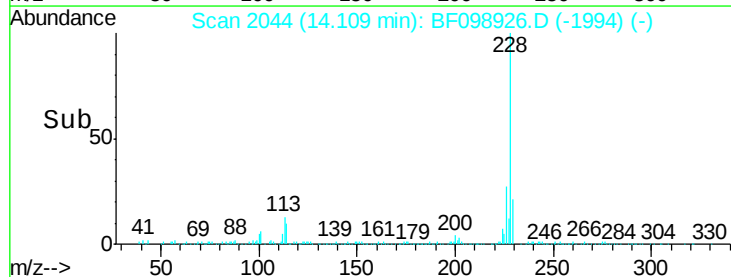
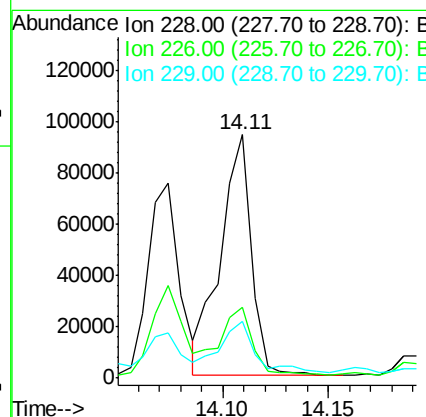
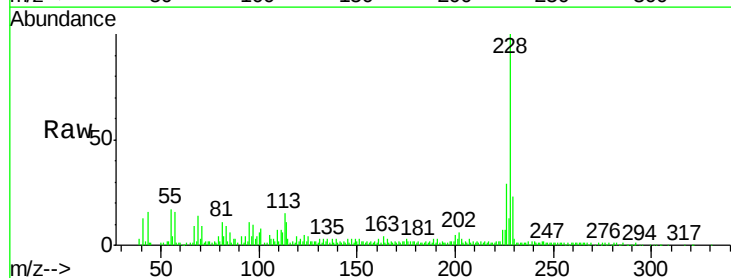
Instrument :
BNA_F
ClientSampleId :

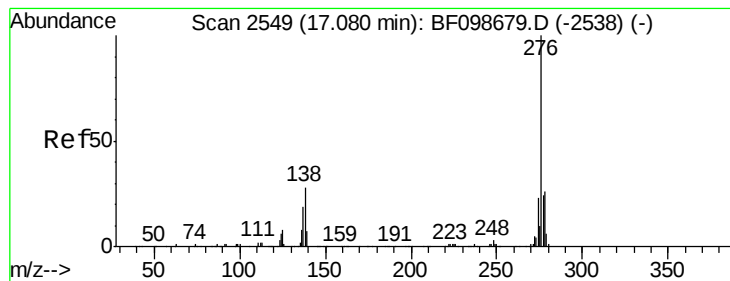
Tot Ion:228 Resp: 95289
Ion Ratio Lower Upper
228 100
226 28.8 22.6 33.8
229 23.4 15.8 23.6



#82
Chrysene
Concen: 6.22 ng
RT: 14.11 min Scan# 2044
Delta R.T. -0.01 min
Lab File: BF098926.D
Acq: 29 Sep 2017 00:20

Tgt Ion:228 Resp: 95289
Ion Ratio Lower Upper
228 100
226 28.8 25.0 37.6
229 23.4 16.2 24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 5.36 ng

RT: 17.09 min Scan# 2551

Delta R.T. 0.01 min

Lab File: BF098926.D

Acq: 29 Sep 2017 00:20

Instrument :

BNA_F

ClientSampleId :

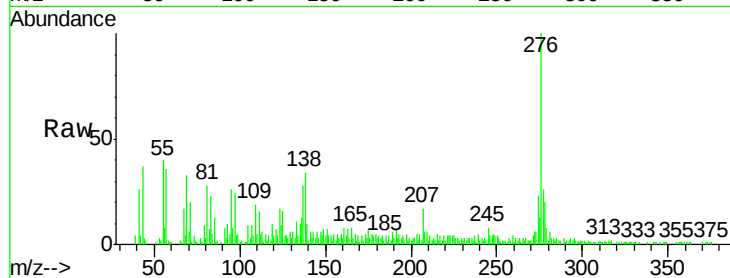
Tot Ion:276 Resp: 65625

Ion Ratio Lower Upper

276 100

138 29.9 25.0 37.6

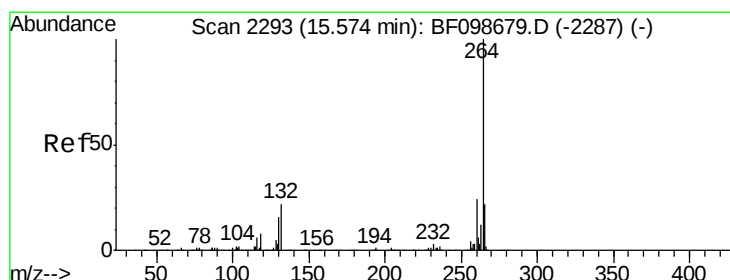
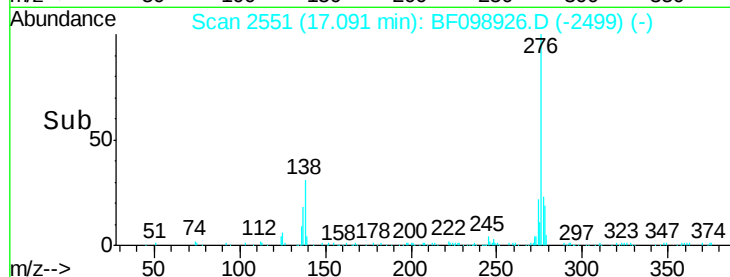
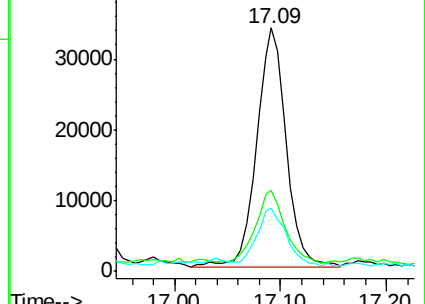
277 24.7 20.1 30.1



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: 15.58 min Scan# 2294

Delta R.T. 0.01 min

Lab File: BF098926.D

Acq: 29 Sep 2017 00:20

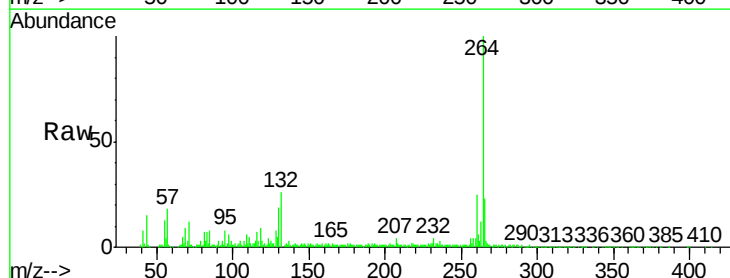
Tgt Ion:264 Resp: 223578

Ion Ratio Lower Upper

264 100

260 25.1 19.2 28.8

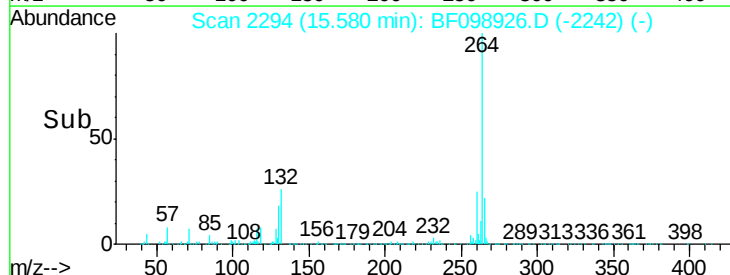
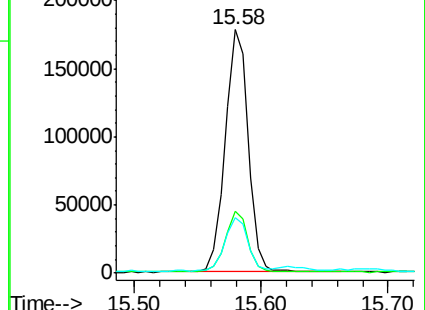
265 22.6 17.5 26.3

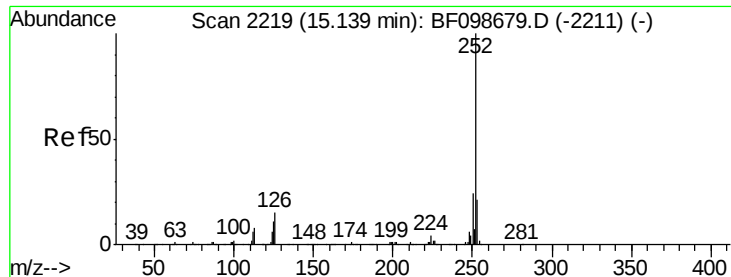


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 13.67 ng

RT: 15.14 min Scan# 2219

Delta R.T. -0.00 min

Lab File: BF098926.D

Acq: 29 Sep 2017 00:20

Instrument :

BNA_F

ClientSampleId :

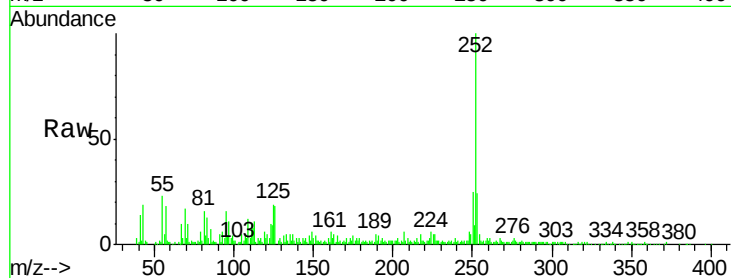
Tot Ion:252 Resp: 187891

Ion Ratio Lower Upper

252 100

253 23.6 17.0 25.6

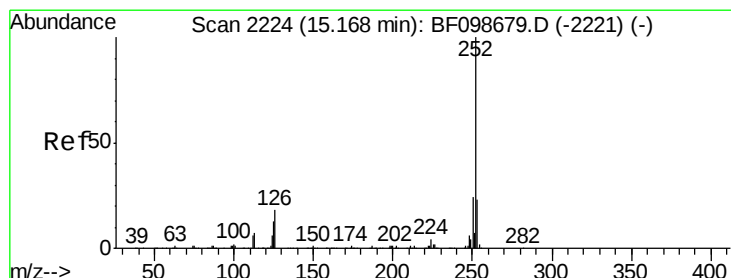
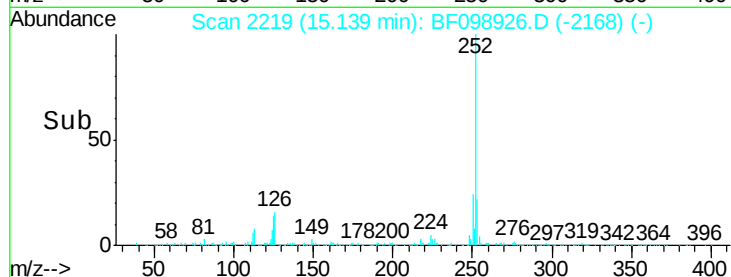
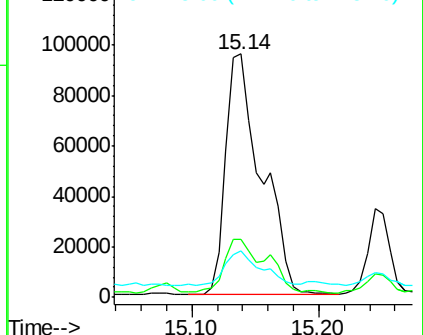
125 19.2 9.0 13.6#



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: 13.84 ng

RT: 15.14 min Scan# 2219

Delta R.T. -0.03 min

Lab File: BF098926.D

Acq: 29 Sep 2017 00:20

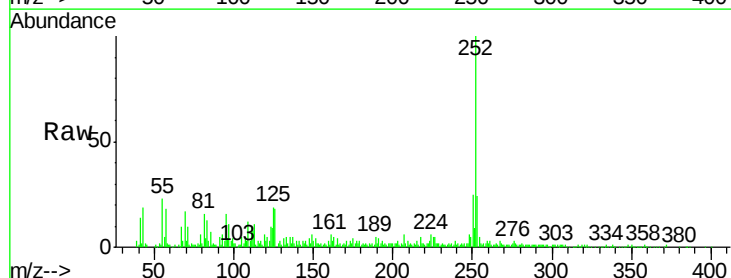
Tgt Ion:252 Resp: 187891

Ion Ratio Lower Upper

252 100

253 23.6 17.9 26.9

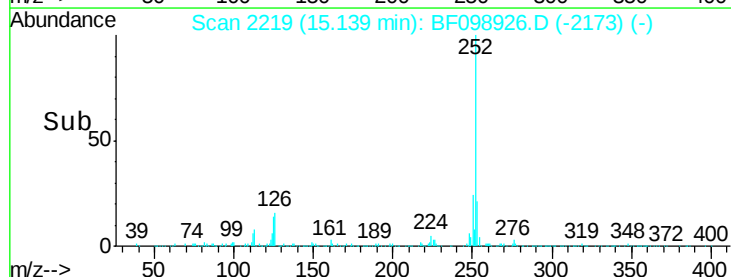
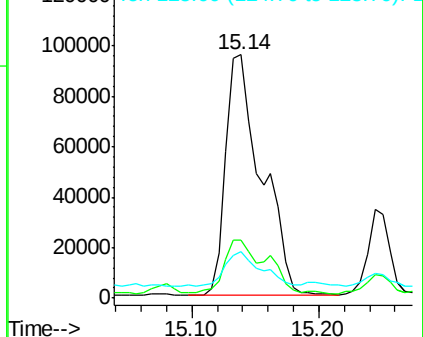
125 19.2 10.2 15.2#

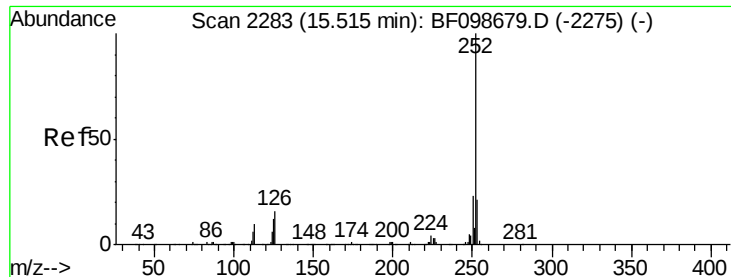


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 7.50 ng

RT: 15.52 min Scan# 2283

Delta R.T. -0.00 min

Lab File: BF098926.D

Acq: 29 Sep 2017 00:20

Instrument :

BNA_F

ClientSampled :

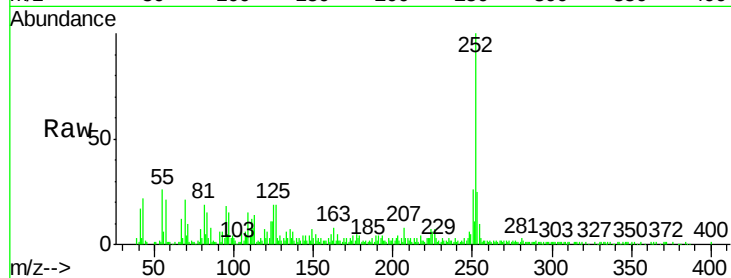
Tot Ion:252 Resp: 94675

Ion Ratio Lower Upper

252 100

253 25.1 17.1 25.7

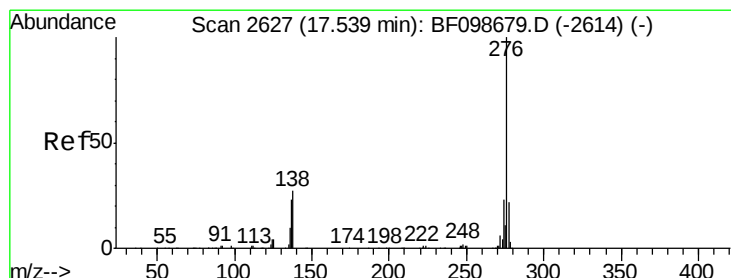
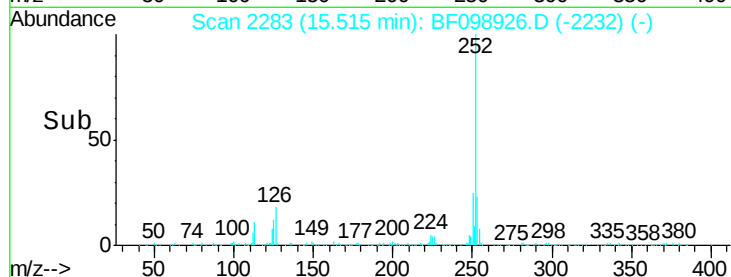
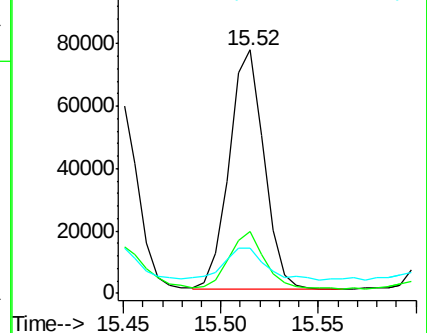
125 18.8 9.8 14.6#



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



#91

Benzo(g,h,i)perylene

Concen: 6.69 ng

RT: 17.56 min Scan# 2630

Delta R.T. 0.01 min

Lab File: BF098926.D

Acq: 29 Sep 2017 00:20

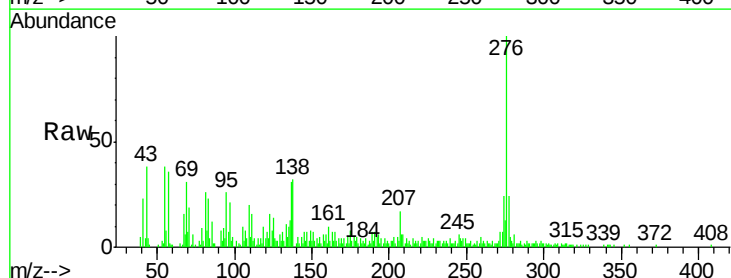
Tgt Ion:276 Resp: 66733

Ion Ratio Lower Upper

276 100

277 23.5 17.9 26.9

138 32.0 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

