

Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
 Data File : BF098182.D
 Acq On : 31 Aug 2017 3:34
 Operator : SJ/JU
 Sample : I5023-10 5X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 31 06:53:57 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	6.73	152	128274	20.00	ng	-0.02
21) Naphthalene-d8	8.01	136	479074	20.00	ng	-0.02
38) Acenaphthene-d10	9.76	164	185238	20.00	ng	-0.02
63) Phenanthrene-d10	11.24	188	300770	20.00	ng	-0.02
75) Chrysene-d12	13.87	240	248207	20.00	ng	-0.02
86) Perylene-d12	15.29	264	175764	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.32	112	172006	20.40	ng	-0.03
7) Phenol-d6	6.36	99	229580	20.04	ng	-0.03
23) Nitrobenzene-d5	7.29	82	128906	14.62	ng	-0.04
41) 2,4,6-Tribromophenol	10.54	330	26758	16.65	ng	-0.03
44) 2-Fluorobiphenyl	9.08	172	213136	16.90	ng	-0.03
78) Terphenyl-d14	12.82	244	144703	12.16	ng	-0.03

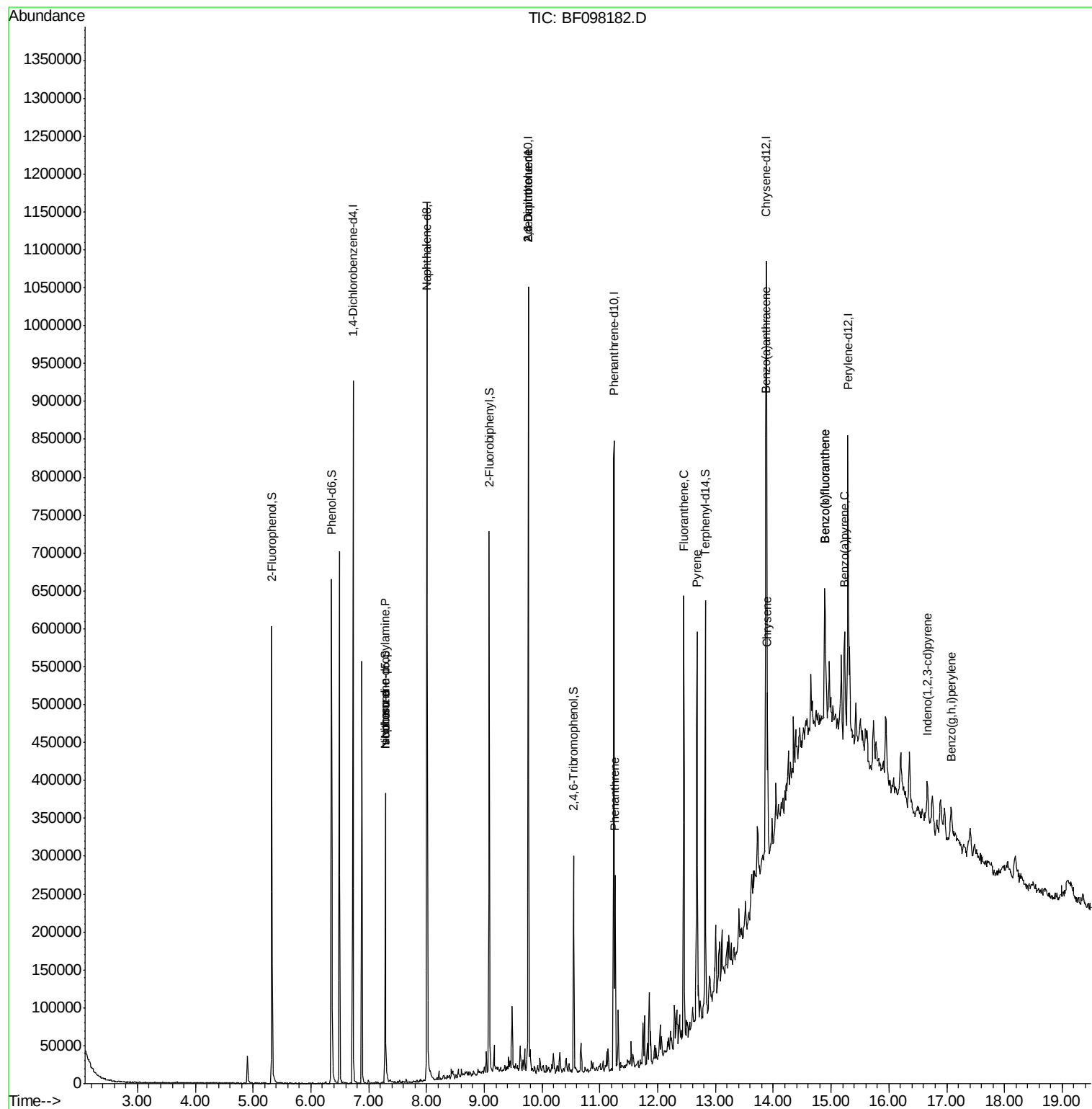
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.29	70	16751	2.136	ng	# 67
25) Isophorone	7.29	82	125381	6.837	ng	# 67
50) 2,6-Dinitrotoluene	9.76	165	24122	8.925	ng	# 34
56) 2,4-Dinitrotoluene	9.76	165	24122	7.112	ng	# 33
70) Phenanthrene	11.26	178	84014	5.242	ng	99
74) Fluoranthene	12.45	202	201279	12.032	ng	99
77) Pyrene	12.68	202	190748	9.396	ng	97
80) Benzo(a)anthracene	13.86	228	91332	6.140	ng	98
82) Chrysene	13.90	228	85655	5.788	ng	97
85) Indeno(1,2,3-cd)pyrene	16.66	276	30240	2.778	ng	92
87) Benzo(b)fluoranthene	14.89	252	115622	10.436	ng	# 93
88) Benzo(k)fluoranthene	14.89	252	115622	11.108	ng	97
89) Benzo(a)pyrene	15.23	252	58450	5.959	ng	# 94
91) Benzo(a,h,i)perylene	17.08	276	31413	3.770	ng	93

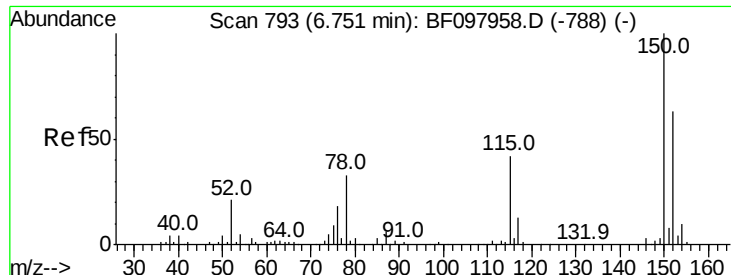
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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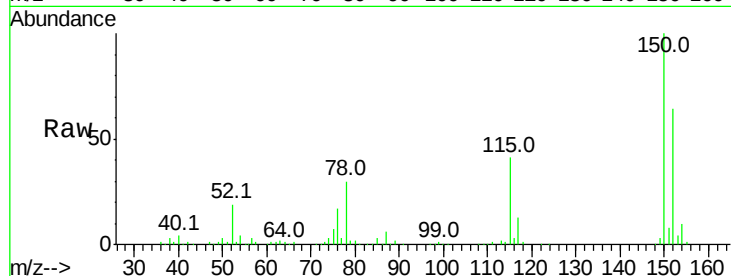


#1

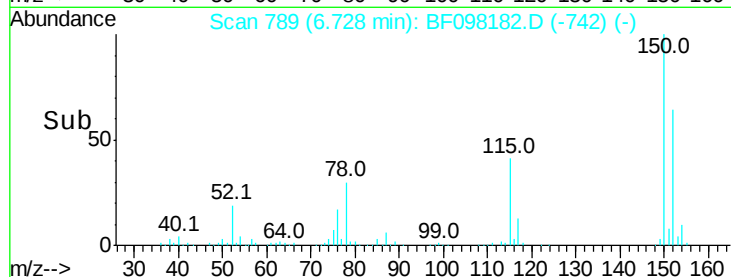
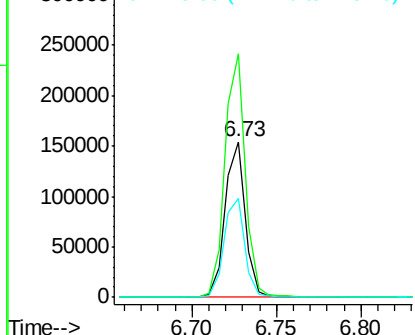
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 789
 Delta R.T. -0.02 min
 Lab File: BF098182.D
 Acq: 31 Aug 2017 3:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 128274
 Ion Ratio Lower Upper
 152 100
 150 156.3 126.2 189.2
 115 63.4 52.2 78.2



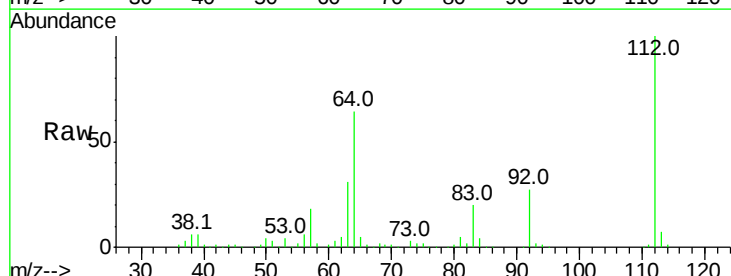
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



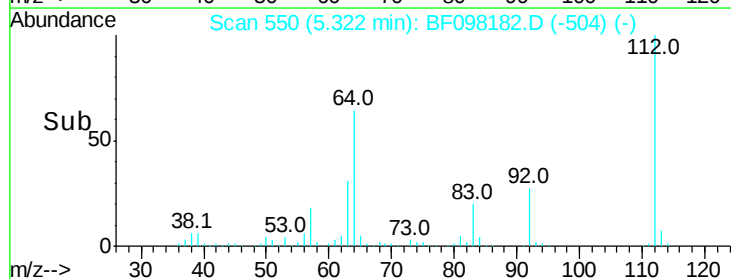
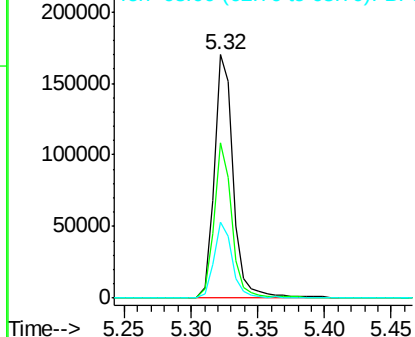
#5

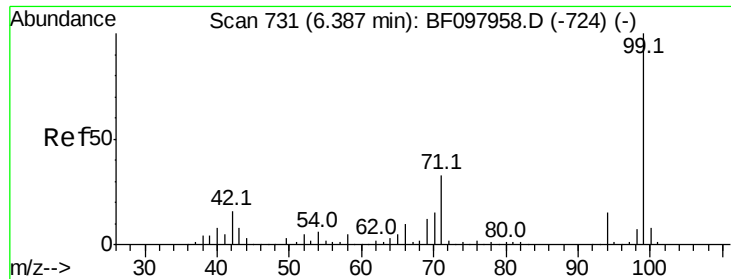
2-Fluorophenol
 Concen: 20.396 ng
 RT: 5.32 min Scan# 550
 Delta R.T. -0.03 min
 Lab File: BF098182.D
 Acq: 31 Aug 2017 3:34

Tgt Ion:112 Resp: 172006
 Ion Ratio Lower Upper
 112 100
 64 63.6 46.0 69.0
 63 31.2 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: 20.036 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.03 min

Lab File: BF098182.D

Acq: 31 Aug 2017 3:34

Instrument :

BNA_F

ClientSampleId :

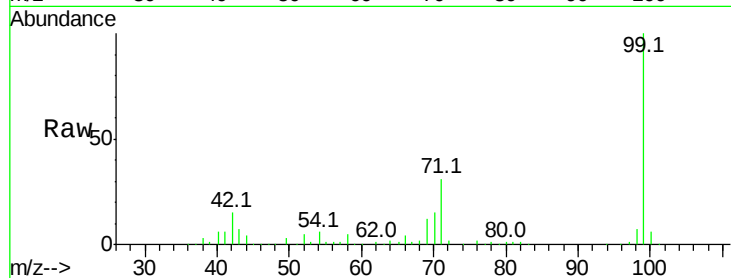
Tot Ion: 99 Resp: 229580

Ion Ratio Lower Upper

99 100

42 15.2 13.5 20.3

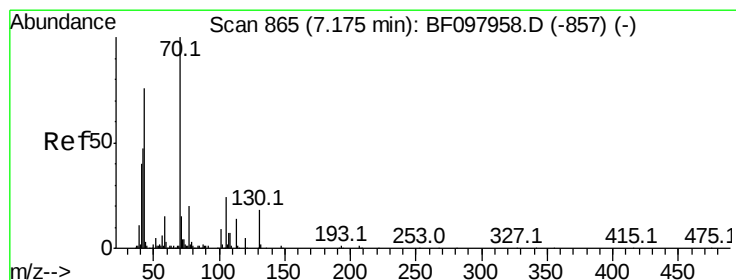
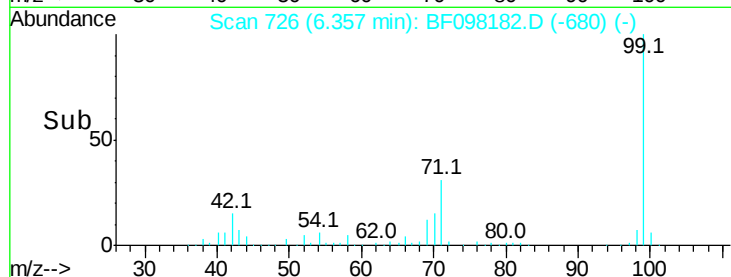
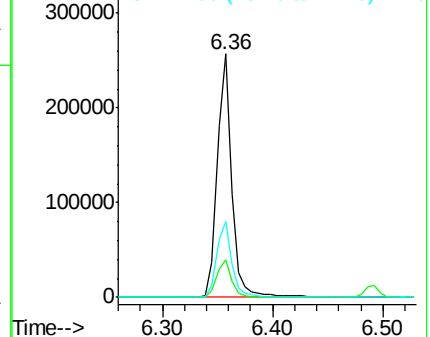
71 31.3 24.5 36.7



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: 2.136 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.11 min

Lab File: BF098182.D

Acq: 31 Aug 2017 3:34

Tgt Ion: 70 Resp: 16751

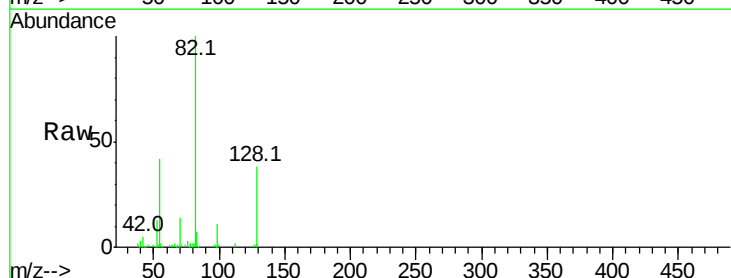
Ion Ratio Lower Upper

70 100

42 35.7 47.2 70.8#

101 0.0 7.2 10.8#

130 0.0 15.9 23.9#

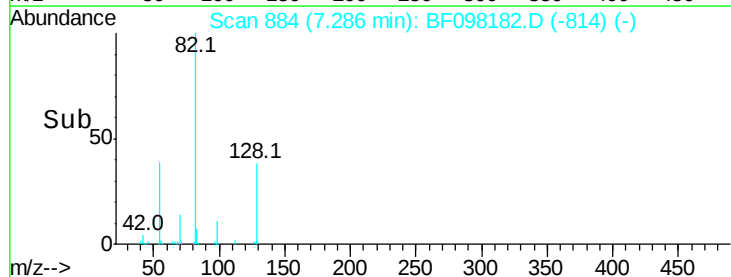
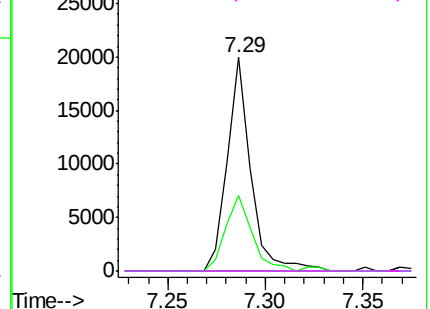


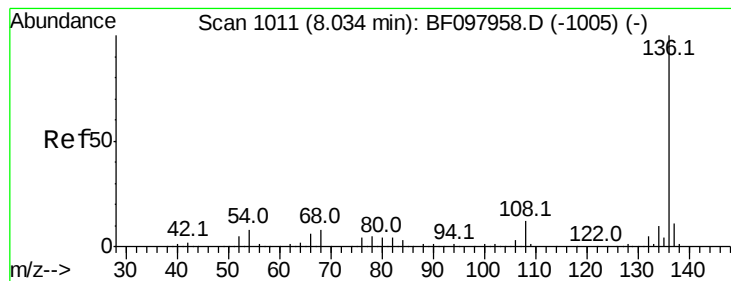
Abundance Ion 70.00 (69.70 to 70.70): BF0

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: BF098182.D

Acq: 31 Aug 2017 3:34

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 479074

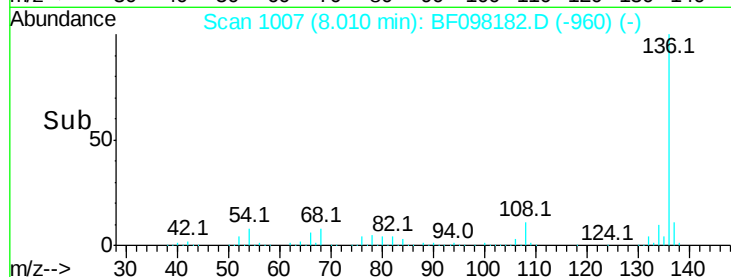
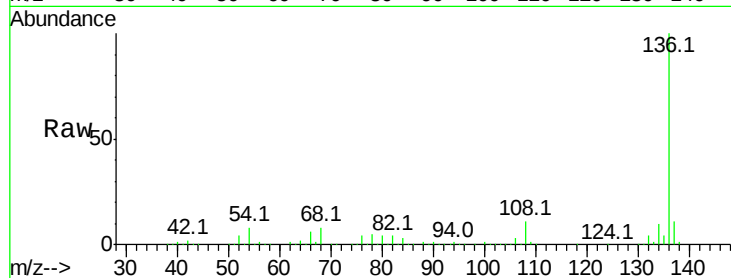
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 7.6 4.9 7.3#

68 7.7 4.1 6.1#



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

8.01

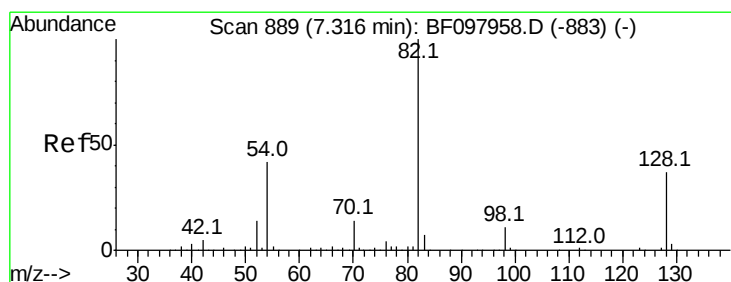
600000

400000

200000

0

Time--> 7.90 8.00 8.10 8.20



#23

Nitrobenzene-d5

Concen: 14.617 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.04 min

Lab File: BF098182.D

Acq: 31 Aug 2017 3:34

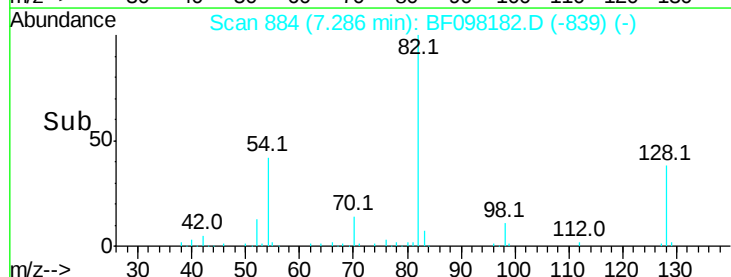
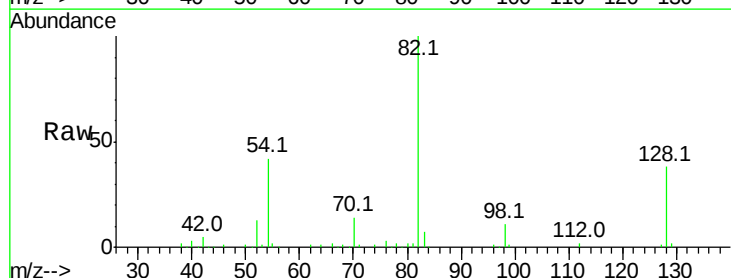
Tgt Ion: 82 Resp: 128906

Ion Ratio Lower Upper

82 100

128 38.2 34.0 51.0

54 42.4 42.2 63.2



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

7.29

200000

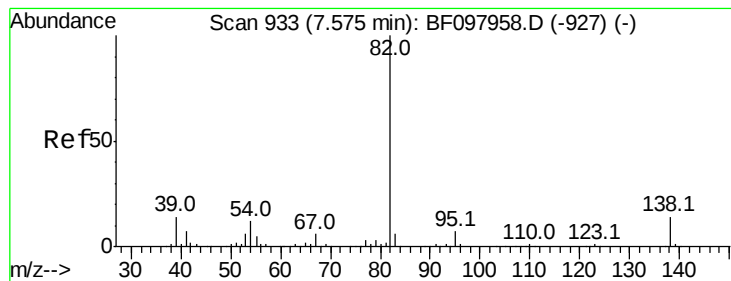
150000

100000

50000

0

Time--> 7.20 7.30 7.40



#25

Isophorone

Concen: 6.837 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.29 min

Lab File: BF098182.D

Acq: 31 Aug 2017 3:34

Instrument :

BNA_F

ClientSampleId :

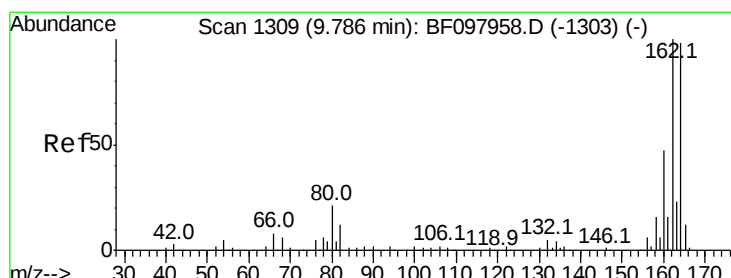
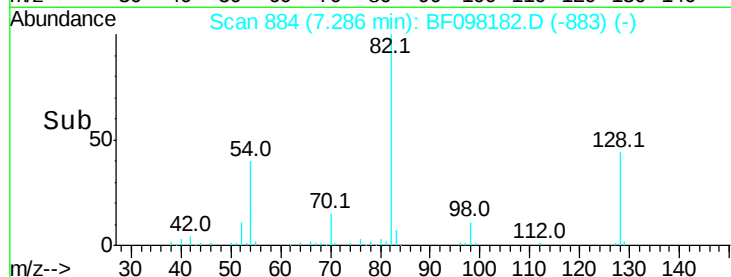
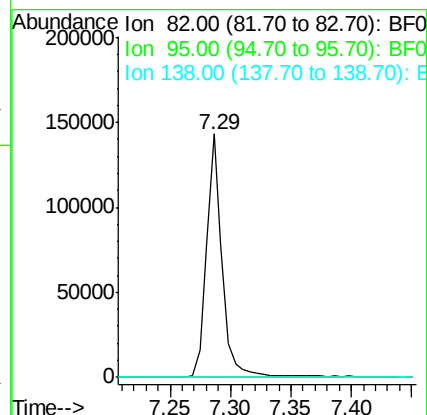
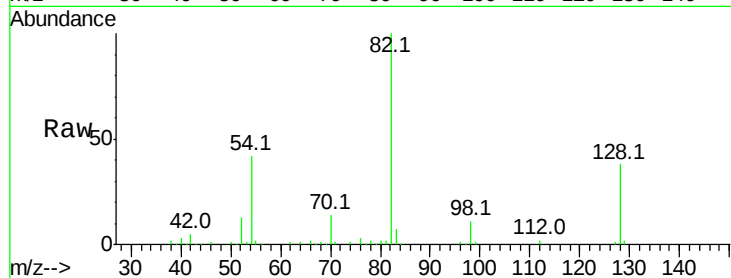
Tot Ion: 82 Resp: 125381

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.02 min

Lab File: BF098182.D

Acq: 31 Aug 2017 3:34

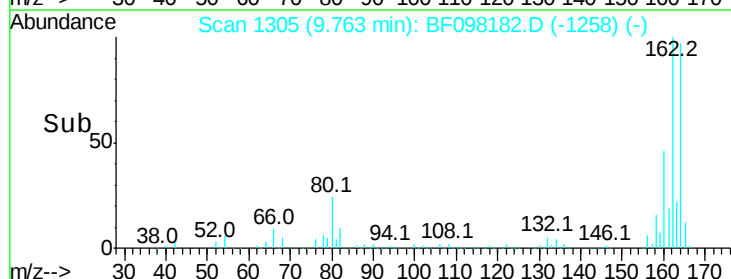
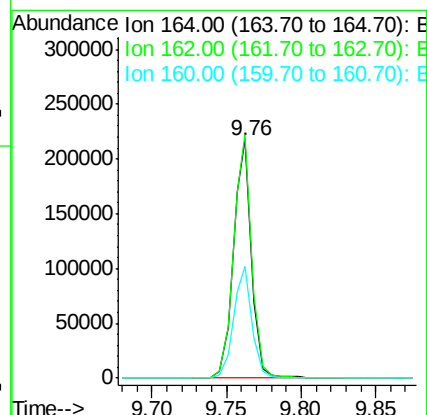
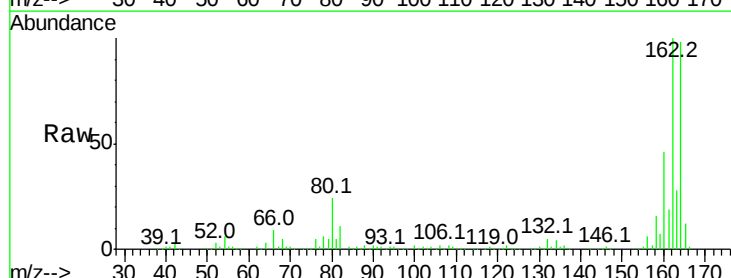
Tgt Ion:164 Resp: 185238

Ion Ratio Lower Upper

164 100

162 102.4 82.6 123.8

160 47.3 36.2 54.2

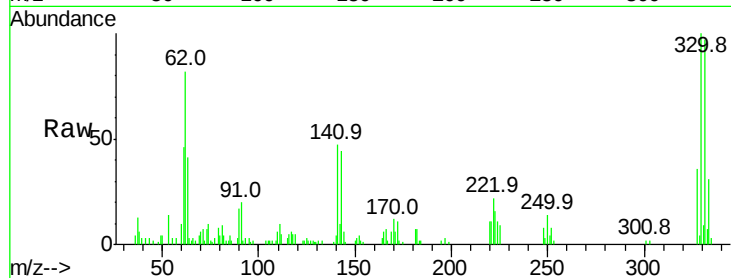




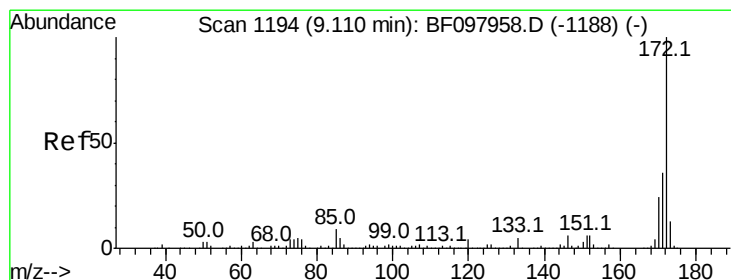
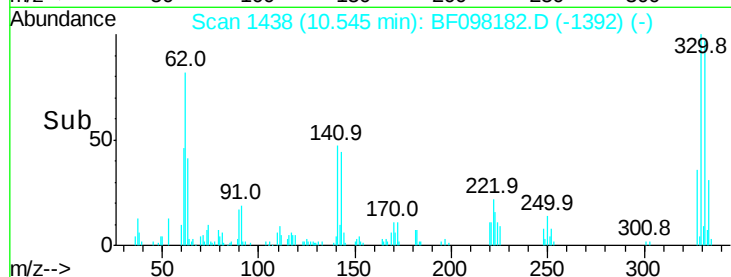
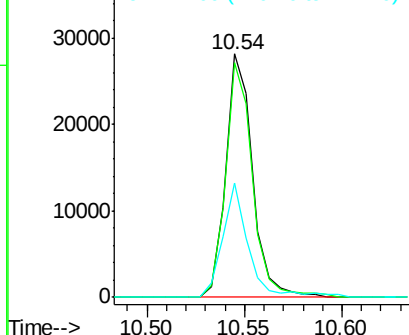
#41
 2,4,6-Tribromophenol
 Concen: 16.648 ng
 RT: 10.54 min Scan# 1438
 Delta R.T. -0.03 min
 Lab File: BF098182.D
 Acq: 31 Aug 2017 3:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 26758
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.6 115.0
 141 45.4 31.4 47.2

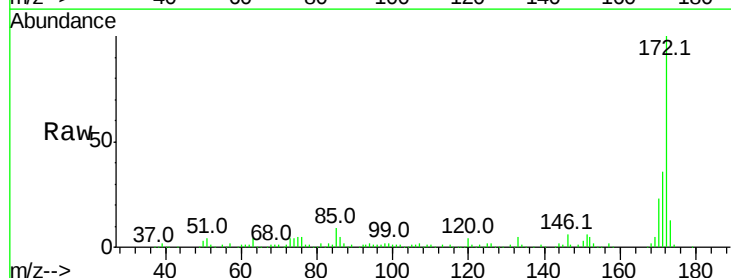


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

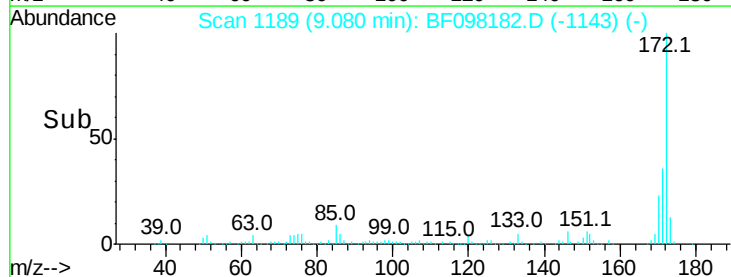
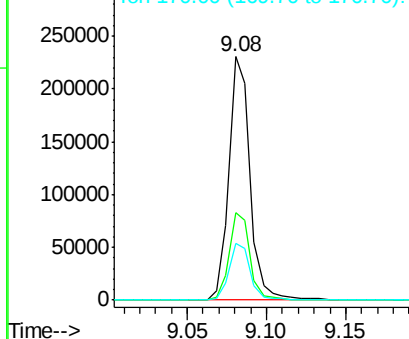


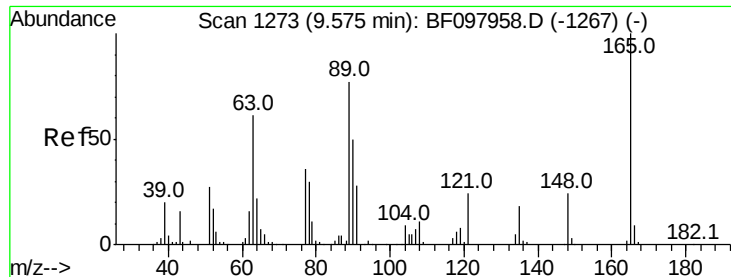
#44
 2-Fluorobiphenyl
 Concen: 16.905 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.03 min
 Lab File: BF098182.D
 Acq: 31 Aug 2017 3:34

Tgt Ion:172 Resp: 213136
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.6 44.4
 170 23.3 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





#50

2,6-Dinitrotoluene

Concen: 8.925 ng

RT: 9.76 min Scan# 1305

Delta R.T. 0.19 min

Lab File: BF098182.D

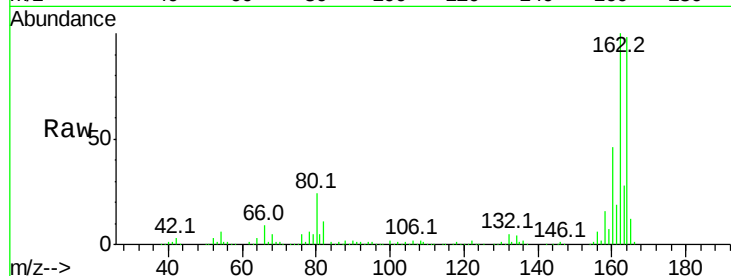
Acq: 31 Aug 2017 3:34

Instrument :

BNA_F

ClientSampleId :

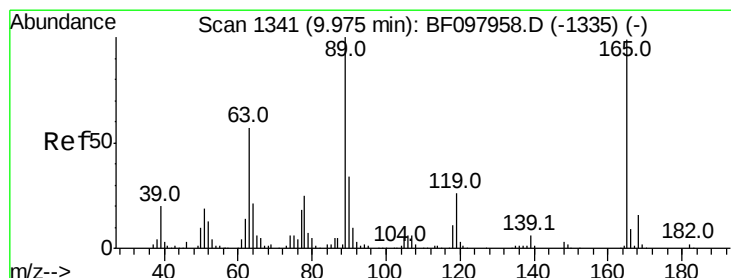
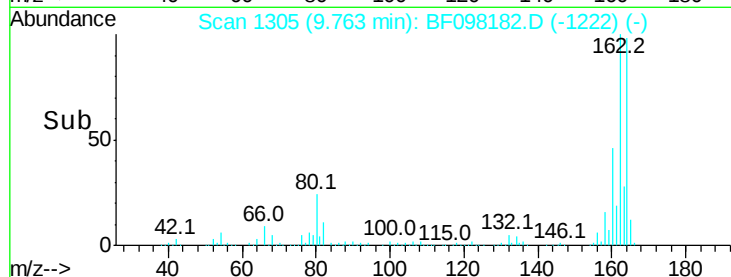
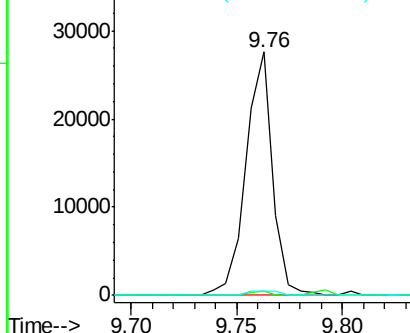
Tot Ion:165	Resp:	24122
Ion Ratio	Lower	Upper
165 100		
63 1.9	34.3	51.5#
89 1.5	37.1	55.7#



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



#56

2,4-Dinitrotoluene

Concen: 7.112 ng

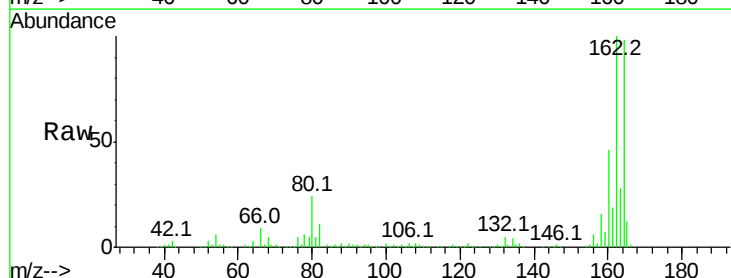
RT: 9.76 min Scan# 1305

Delta R.T. -0.21 min

Lab File: BF098182.D

Acq: 31 Aug 2017 3:34

Tgt Ion:165	Resp:	24122
Ion Ratio	Lower	Upper
165 100		
63 1.9	25.4	38.0#
89 1.5	46.4	69.6#
182 0.0	1.8	2.6#

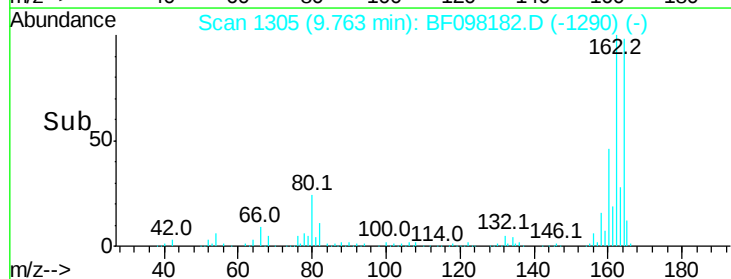
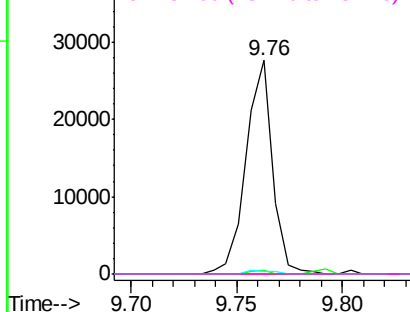


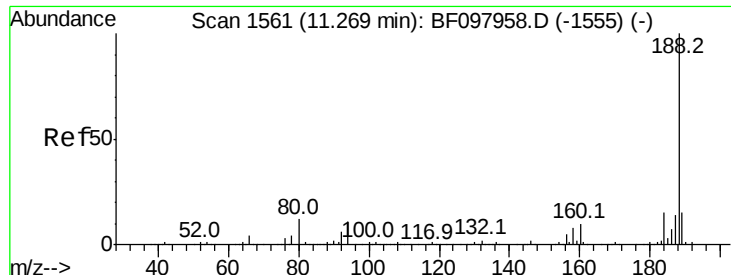
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

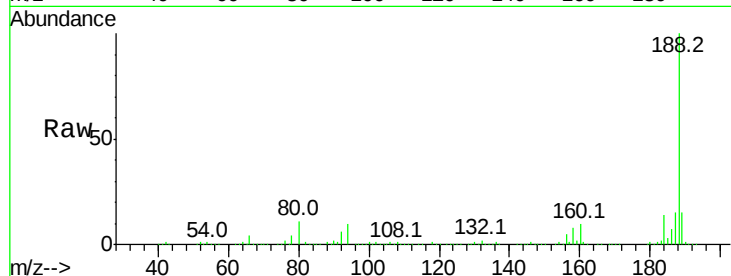




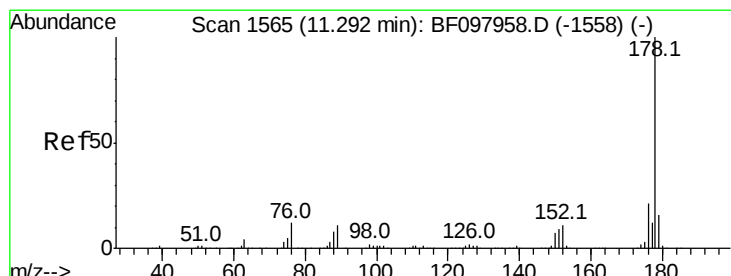
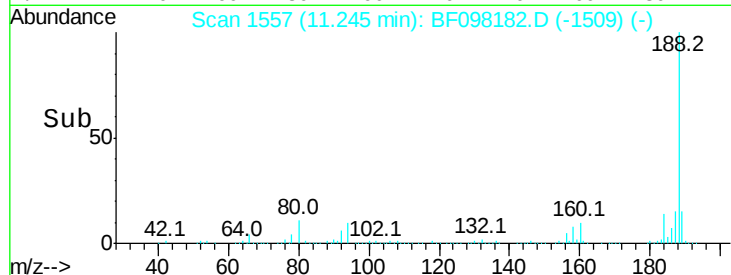
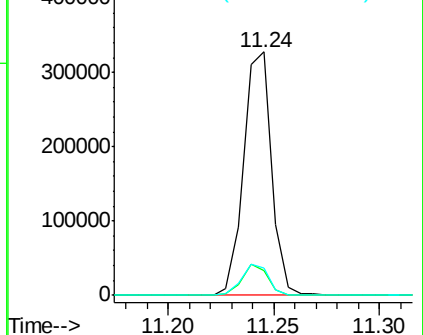
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1557
Delta R.T. -0.02 min
Lab File: BF098182.D
Acq: 31 Aug 2017 3:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 300770
Ion Ratio Lower Upper
188 100
94 10.3 9.4 14.2
80 11.3 10.2 15.2

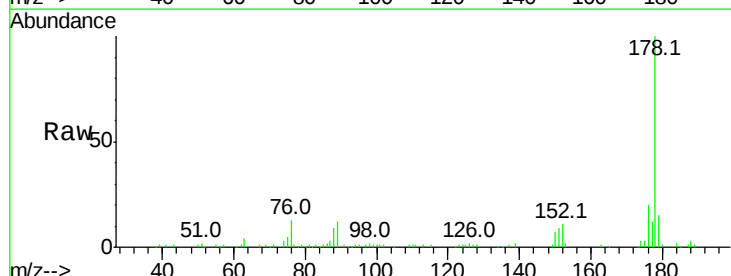


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

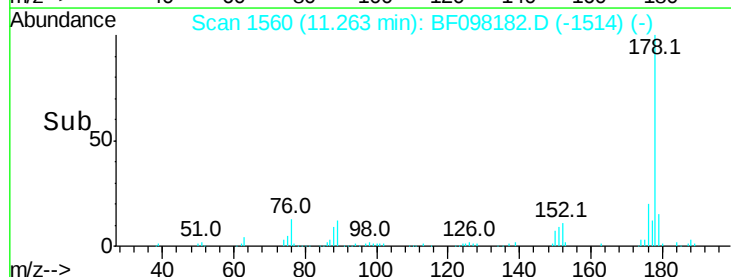
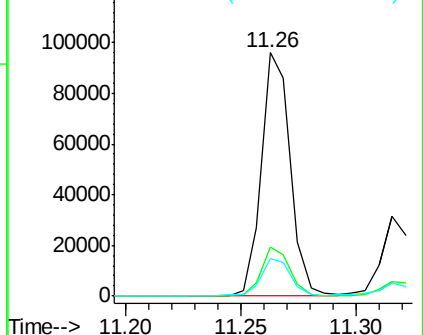


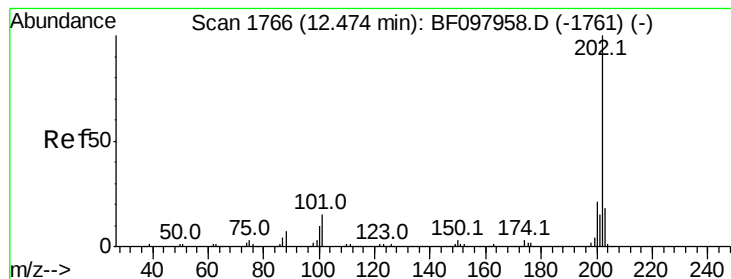
#70
Phenanthrene
Concen: 5.242 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.03 min
Lab File: BF098182.D
Acq: 31 Aug 2017 3:34

Tgt Ion:178 Resp: 84014
Ion Ratio Lower Upper
178 100
176 20.1 16.2 24.4
179 15.2 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





#74

Fluoranthene

Concen: 12.032 ng

RT: 12.45 min Scan# 1762

Delta R.T. -0.02 min

Lab File: BF098182.D

Acq: 31 Aug 2017 3:34

Instrument :

BNA_F

ClientSampleId :

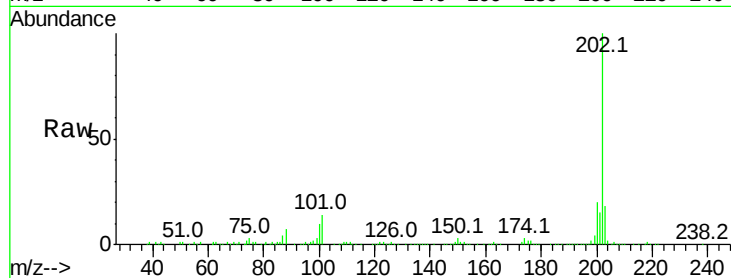
Tot Ion:202 Resp: 201279

Ion Ratio Lower Upper

202 100

101 13.6 0.0 33.2

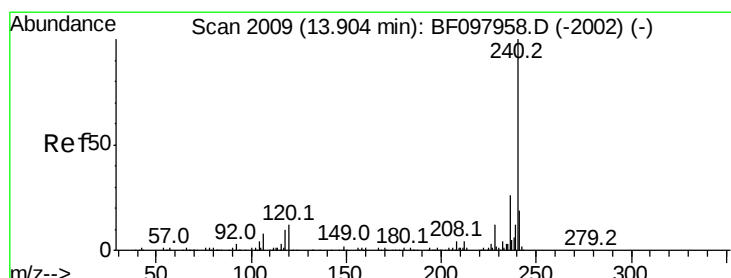
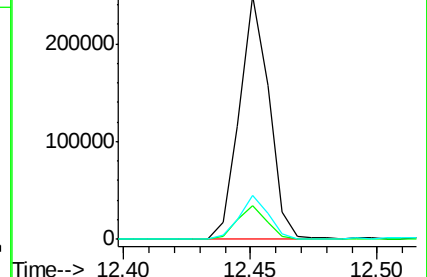
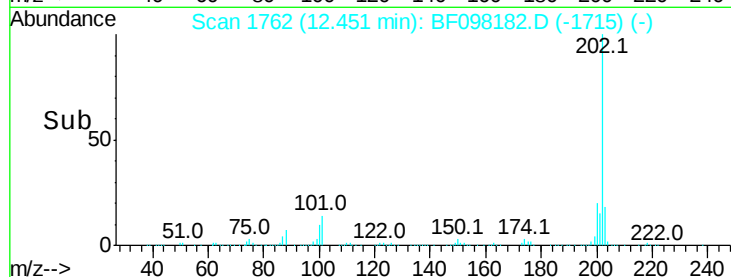
203 17.8 0.0 38.1



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: 13.87 min Scan# 2004

Delta R.T. -0.02 min

Lab File: BF098182.D

Acq: 31 Aug 2017 3:34

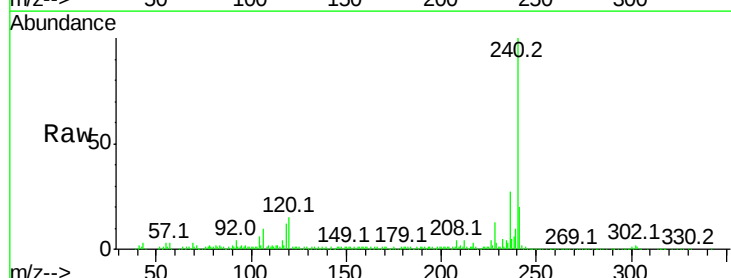
Tgt Ion:240 Resp: 248207

Ion Ratio Lower Upper

240 100

120 15.1 5.8 8.8#

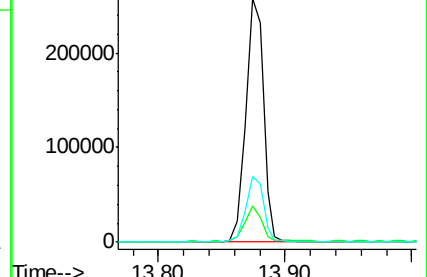
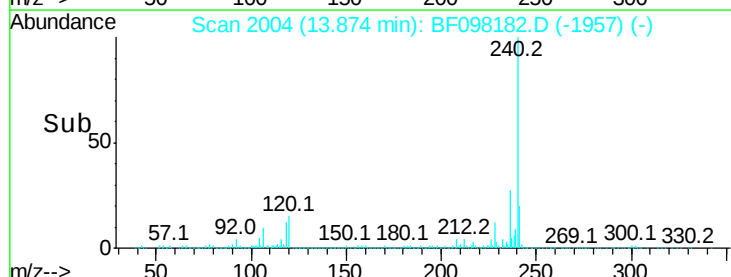
236 27.0 20.5 30.7

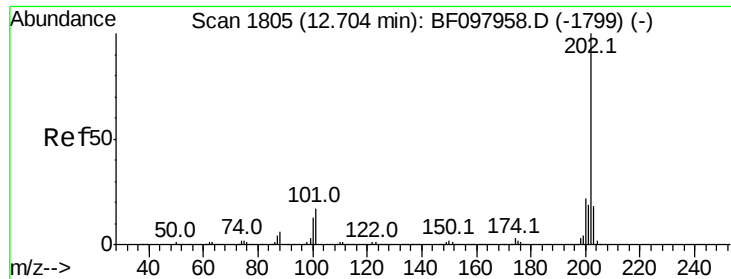


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

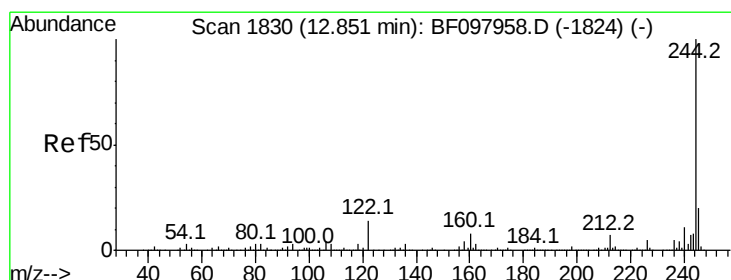
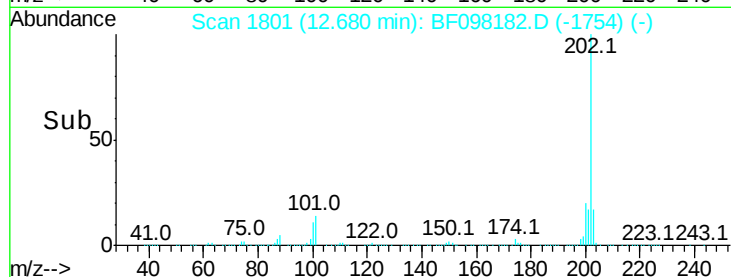
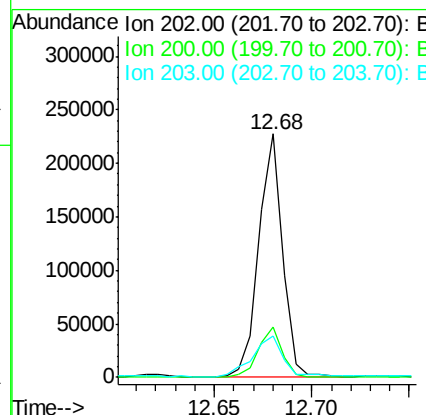
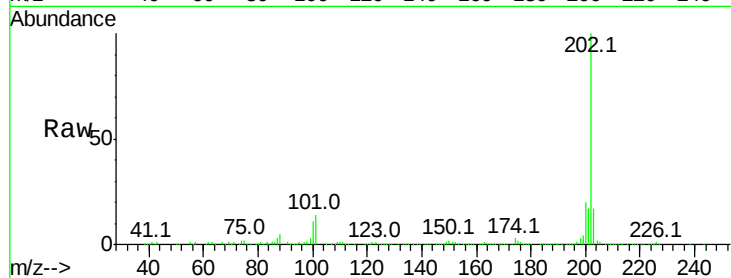




#77
Pvrene
Concen: 9.396 ng
RT: 12.68 min Scan# 1801
Delta R.T. -0.02 min
Lab File: BF098182.D
Acq: 31 Aug 2017 3:34

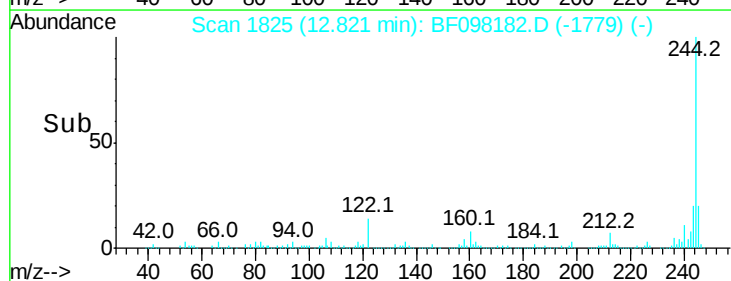
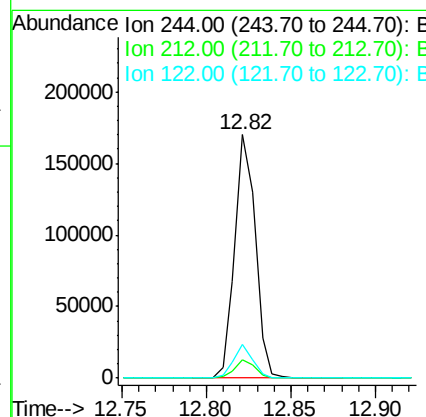
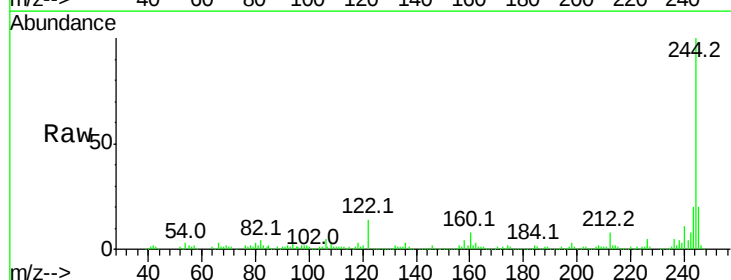
Instrument :
BNA_F
ClientSampleId :

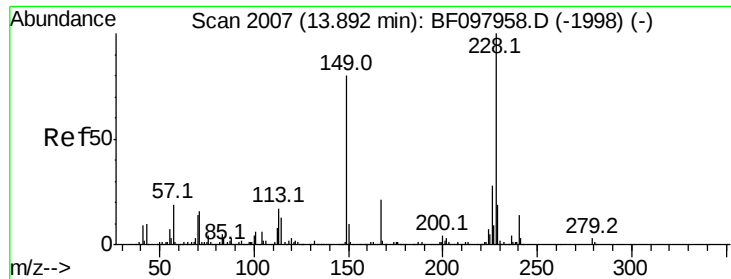
Tot Ion:202 Resp: 190748
Ion Ratio Lower Upper
202 100
200 20.4 17.6 26.4
203 17.2 14.4 21.6



#78
Terphenyl-d14
Concen: 12.157 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.03 min
Lab File: BF098182.D
Acq: 31 Aug 2017 3:34

Tgt Ion:244 Resp: 144703
Ion Ratio Lower Upper
244 100
212 7.6 6.0 9.0
122 13.7 10.3 15.5

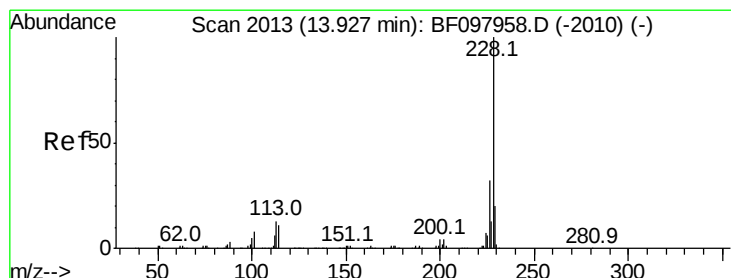
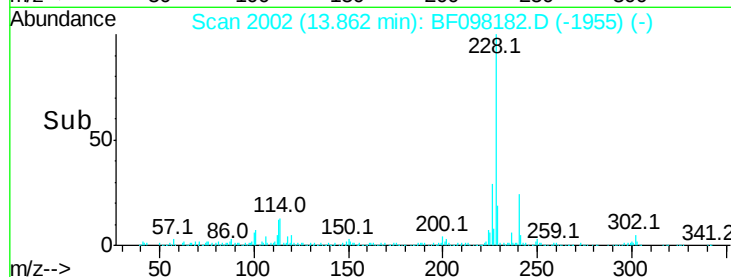
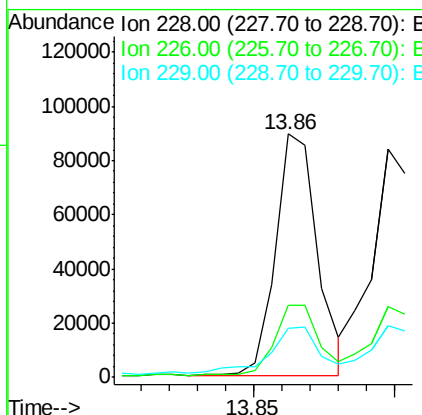
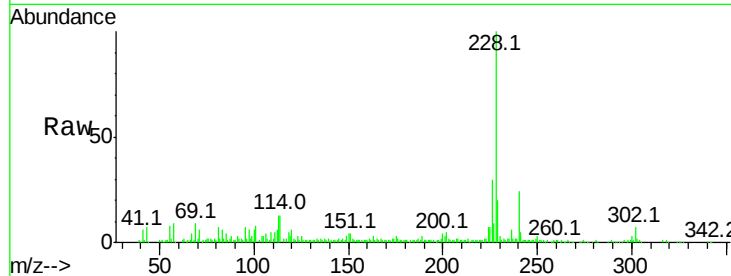




#80
Benzo(a)anthracene
Concen: 6.140 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.02 min
Lab File: BF098182.D
Acq: 31 Aug 2017 3:34

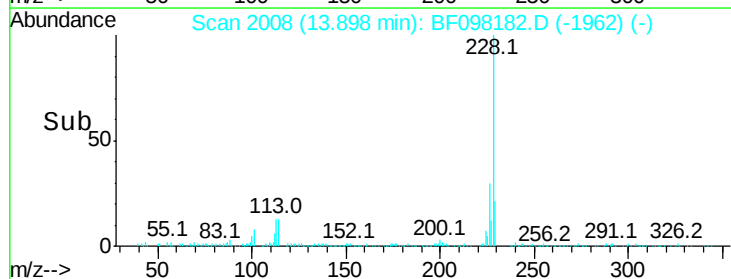
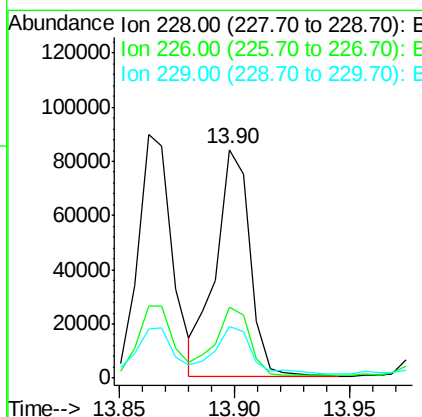
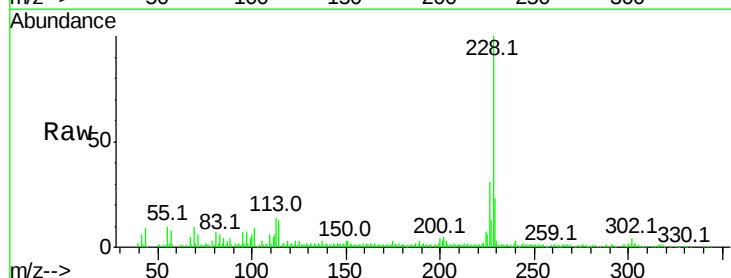
Instrument :
BNA_F
ClientSampled :

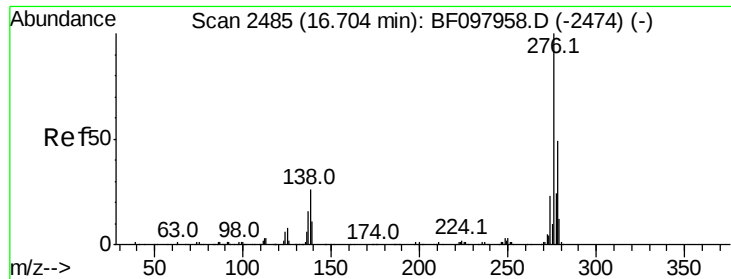
Tot Ion:228 Resp: 91332
Ion Ratio Lower Upper
228 100
226 29.8 22.6 33.8
229 20.2 16.3 24.5



#82
Chrysene
Concen: 5.788 ng
RT: 13.90 min Scan# 2008
Delta R.T. -0.03 min
Lab File: BF098182.D
Acq: 31 Aug 2017 3:34

Tgt Ion:228 Resp: 85655
Ion Ratio Lower Upper
228 100
226 30.8 24.9 37.3
229 22.6 15.8 23.6

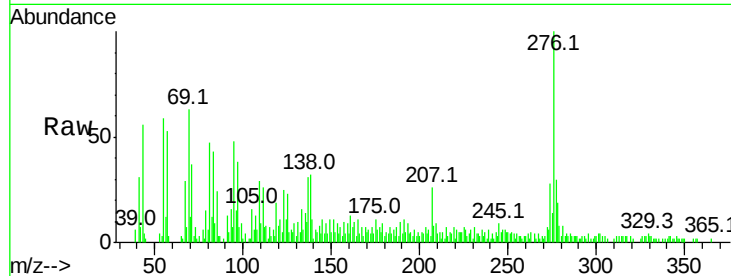




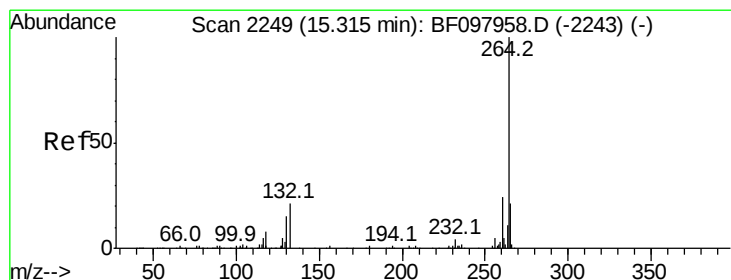
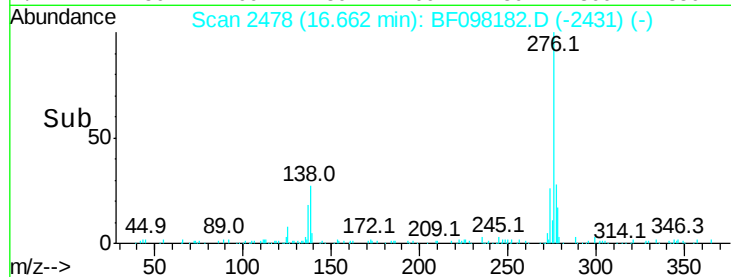
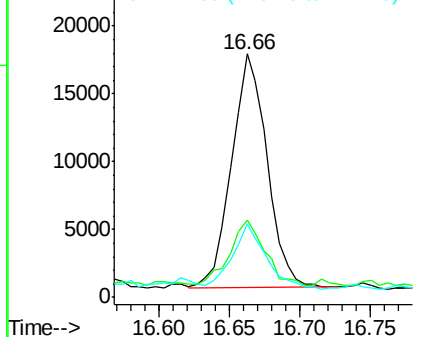
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.778 ng
 RT: 16.66 min Scan# 2478
 Delta R.T. -0.02 min
 Lab File: BF098182.D
 Acq: 31 Aug 2017 3:34

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion:276 Resp: 30240
 Ion Ratio Lower Upper
 276 100
 138 28.2 27.8 41.6
 277 27.2 20.2 30.4

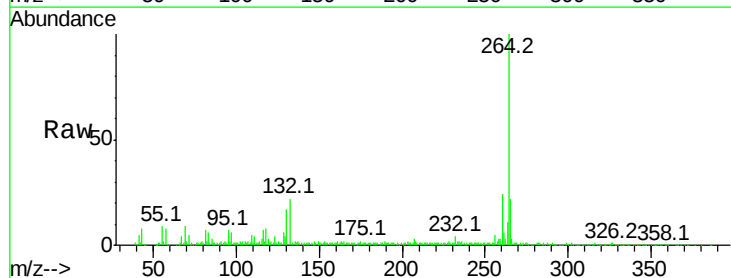


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

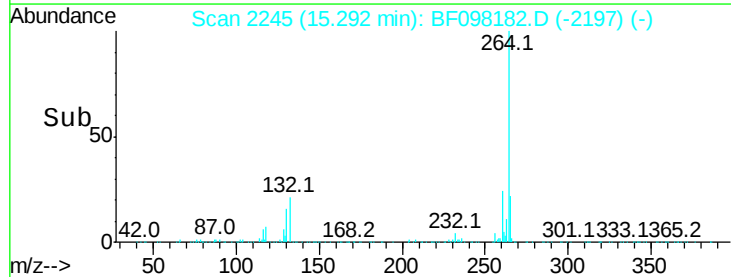
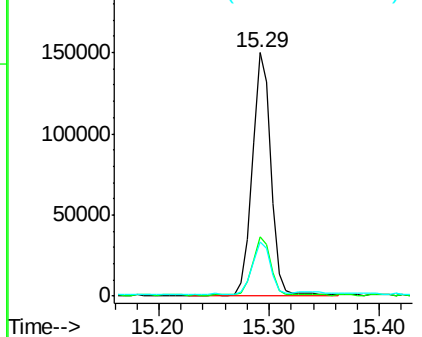


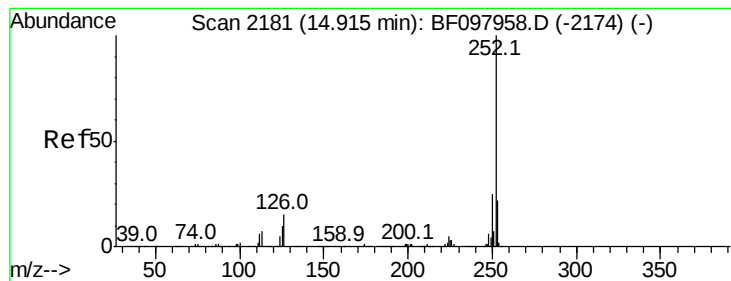
#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.29 min Scan# 2245
 Delta R.T. -0.02 min
 Lab File: BF098182.D
 Acq: 31 Aug 2017 3:34

Tgt Ion:264 Resp: 175764
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.5 29.3
 265 22.3 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: 10.436 ng

RT: 14.89 min Scan# 2177

Delta R.T. -0.02 min

Lab File: BF098182.D

Acq: 31 Aug 2017 3:34

Instrument :

BNA_F

ClientSampleId :

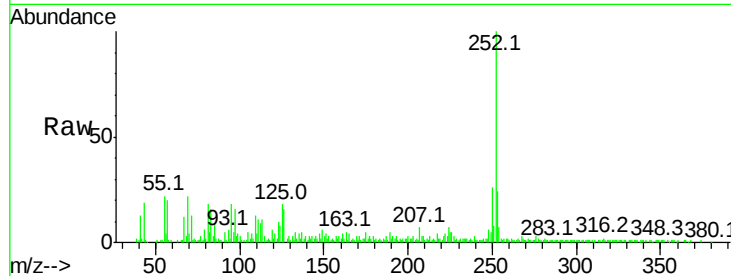
Tot Ion:252 Resp: 115622

Ion Ratio Lower Upper

252 100

253 24.0 18.1 27.1

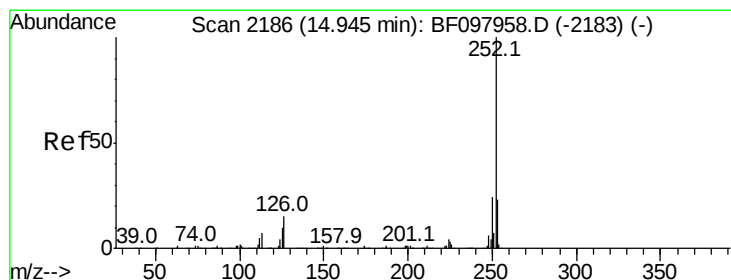
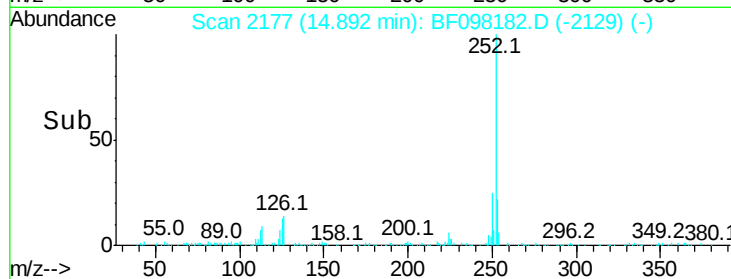
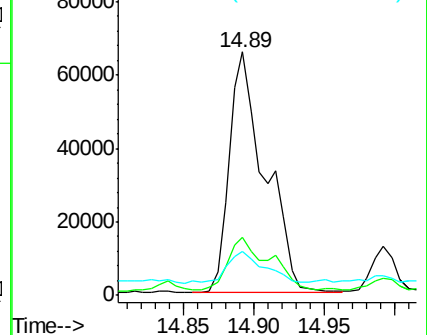
125 18.0 9.8 14.8#



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: 11.108 ng

RT: 14.89 min Scan# 2177

Delta R.T. -0.05 min

Lab File: BF098182.D

Acq: 31 Aug 2017 3:34

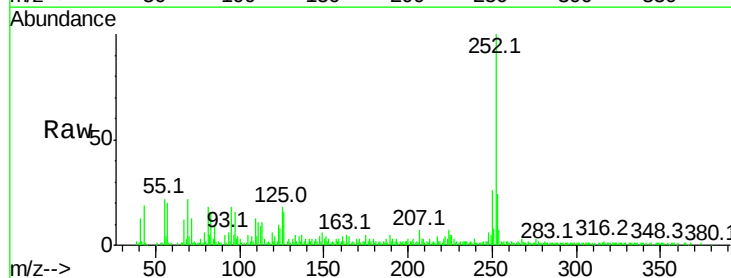
Tgt Ion:252 Resp: 115622

Ion Ratio Lower Upper

252 100

253 24.0 18.4 27.6

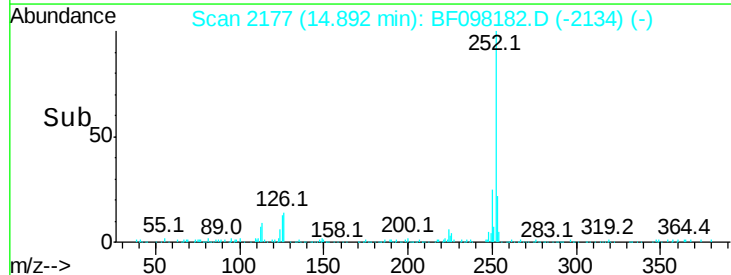
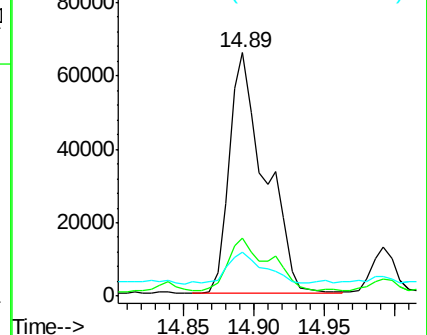
125 18.0 13.1 19.7

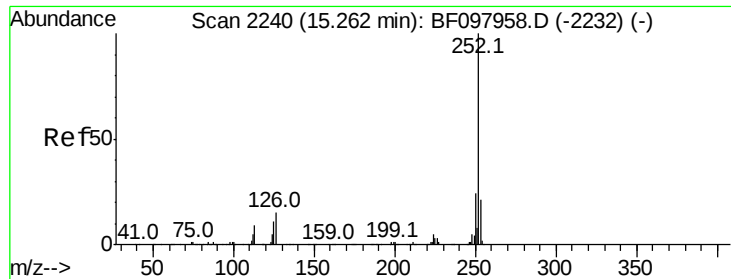


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

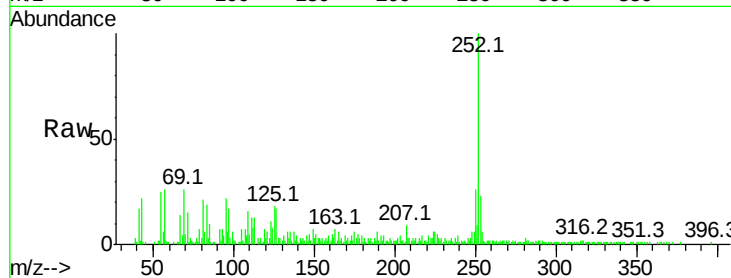




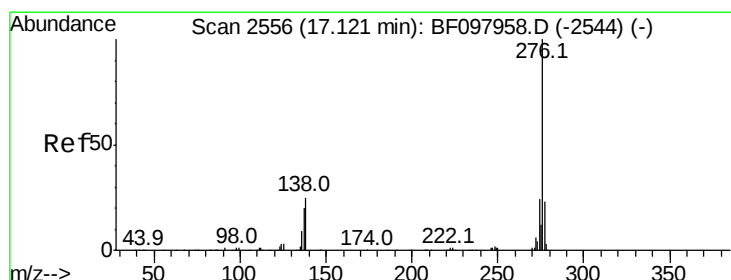
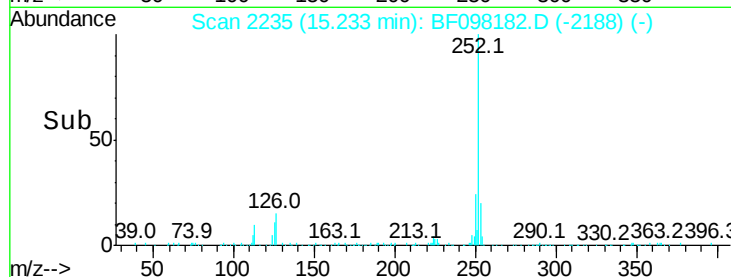
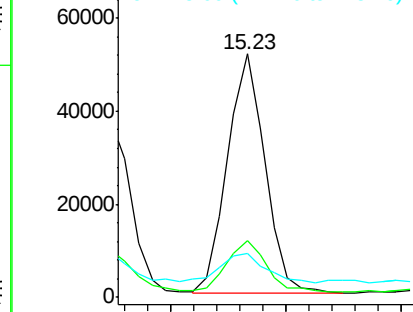
#89
Benzo(a)pyrene
Concen: 5.959 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.02 min
Lab File: BF098182.D
Acq: 31 Aug 2017 3:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.5	26.3
125	18.1	11.0	16.4

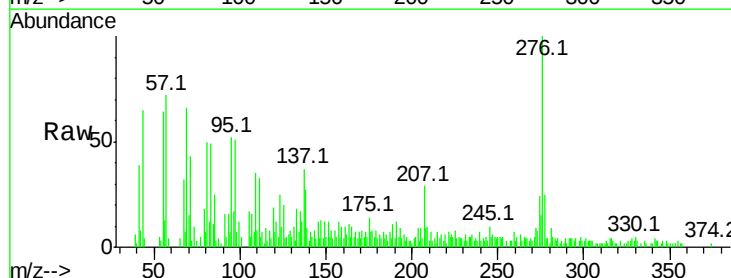


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 3.770 ng
RT: 17.08 min Scan# 2549
Delta R.T. -0.03 min
Lab File: BF098182.D
Acq: 31 Aug 2017 3:34

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.6	28.0
138	26.7	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

