

Data Path : Z:\HPCHEM1\BNA F\DATA\BF083017\
 Data File : BF08186.D
 Acq On : 31 Aug 2017 6:35
 Operator : SJ/JU
 Sample : I4990-01 2X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 31 08:51:39 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

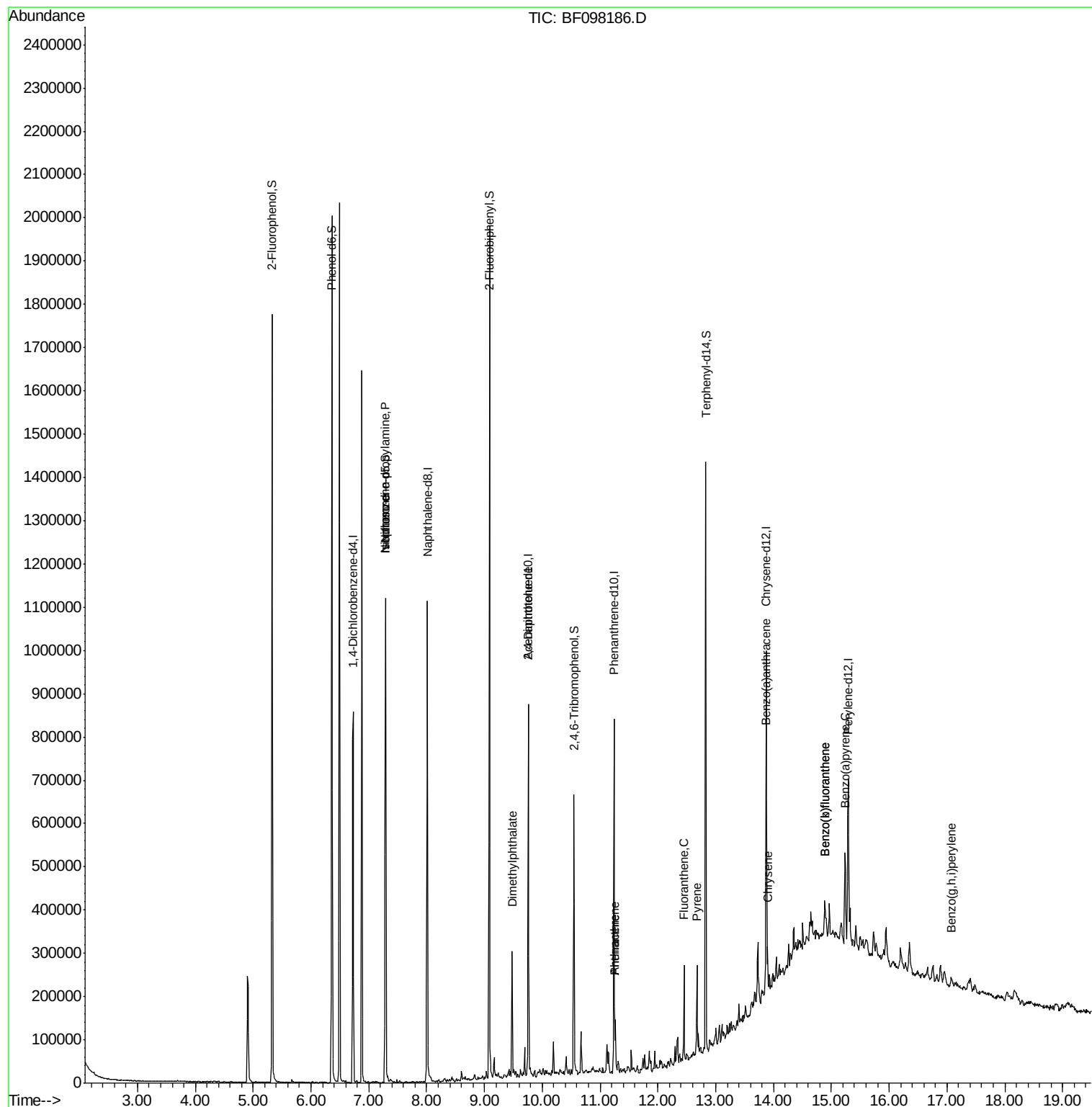
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	123466	20.00	ng	-0.02
21) Naphthalene-d8	8.01	136	454657	20.00	ng	-0.02
38) Acenaphthene-d10	9.76	164	168106	20.00	ng	-0.03
63) Phenanthrene-d10	11.24	188	278527	20.00	ng	-0.02
75) Chrysene-d12	13.87	240	240974	20.00	ng	-0.02
86) Perylene-d12	15.29	264	157217	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	487786	60.09	ng	-0.02
7) Phenol-d6	6.36	99	717391	65.05	ng	-0.02
23) Nitrobenzene-d5	7.29	82	415060	49.59	ng	-0.04
41) 2,4,6-Tribromophenol	10.55	330	61637	42.26	ng	-0.03
44) 2-Fluorobiphenyl	9.09	172	596540	52.14	ng	-0.02
78) Terphenyl-d14	12.83	244	419224	36.28	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	56297	7.457	ng	# 71
25) Isophorone	7.29	82	407023	23.388	ng	# 67
49) Dimethylphthalate	9.48	163	104345	8.492	ng	99
56) 2,4-Dinitrotoluene	9.76	165	21921	7.121	ng	# 32
70) Phenanthrene	11.26	178	36555	2.463	ng	98
71) Anthracene	11.26	178	36555	2.428	ng	97
74) Fluoranthene	12.45	202	79379	5.124	ng	99
77) Pyrene	12.68	202	84675	4.296	ng	97
80) Benzo(a)anthracene	13.86	228	38184	2.644	ng	95
82) Chrysene	13.90	228	38798	2.700	ng	96
87) Benzo(b)fluoranthene	14.89	252	46259	4.668	ng	# 87
88) Benzo(k)fluoranthene	14.89	252	46259	4.969	ng	# 91
89) Benzo(a)pyrene	15.23	252	23314	2.657	ng	# 83
91) Benzo(a,h,i)perylene	17.07	276	17167	2.304	ng	# 93

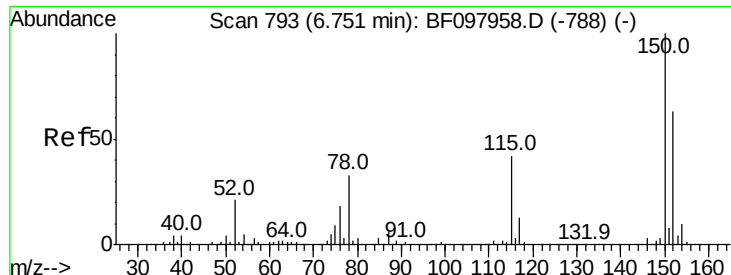
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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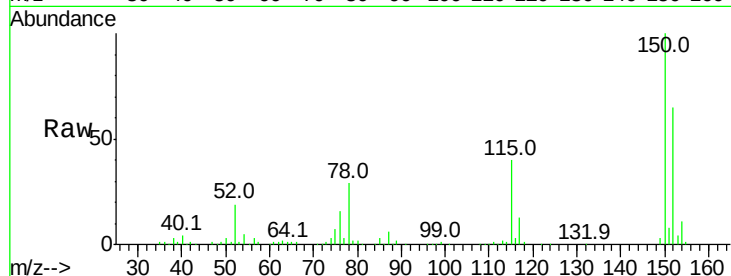


#1

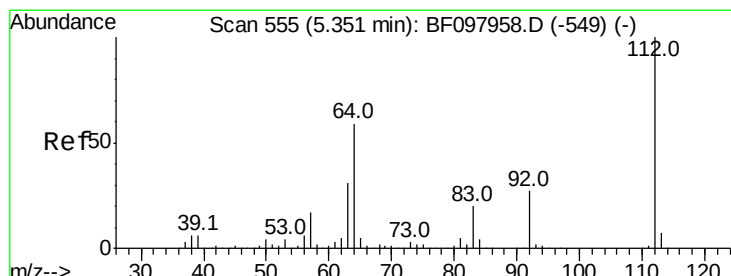
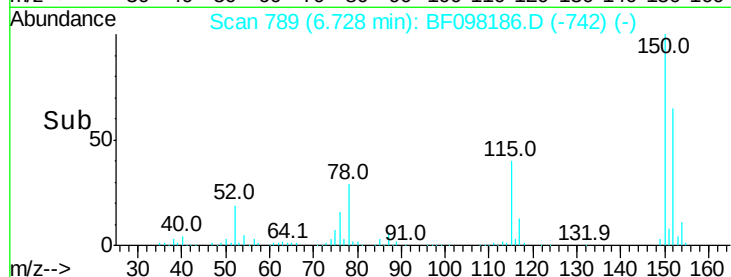
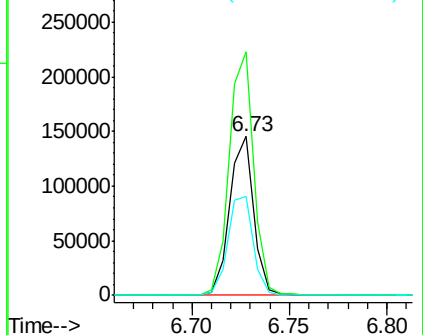
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.02 min
Lab File: BF098186.D
Acq: 31 Aug 2017 6:35

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.5	126.2	189.2
115	62.1	52.2	78.2



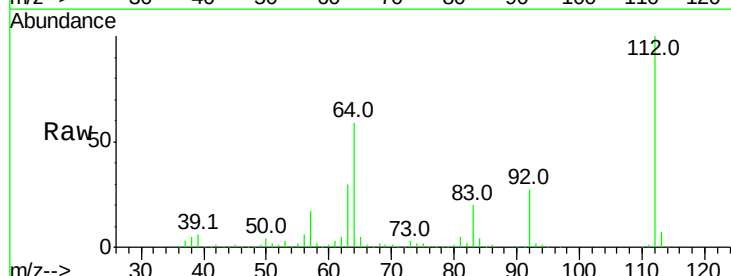
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



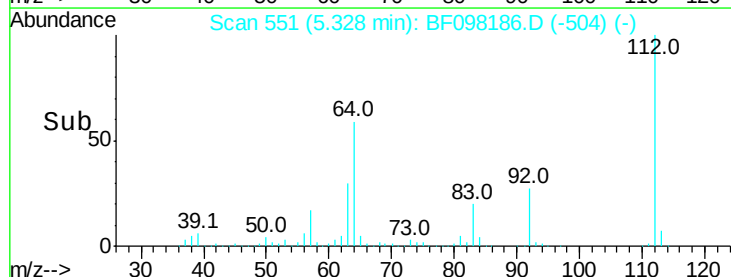
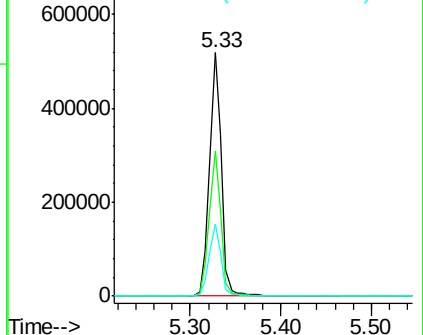
#5

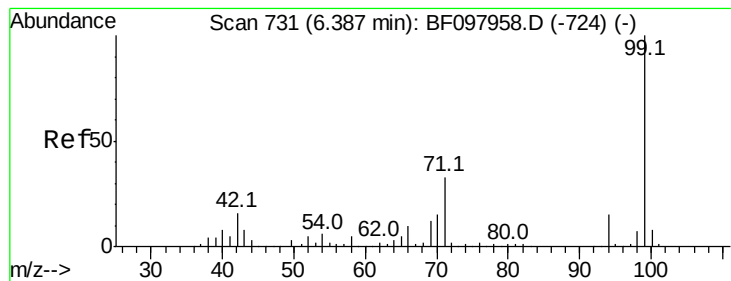
2-Fluorophenol
Concen: 60.094 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF098186.D
Acq: 31 Aug 2017 6:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.5	46.0	69.0
63	29.9	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: 65.048 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.02 min

Lab File: BF098186.D

Acq: 31 Aug 2017 6:35

Instrument :

BNA_F

ClientSampled :

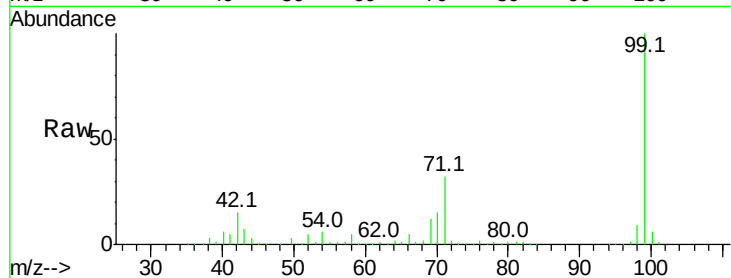
Tot Ion: 99 Resp: 717391

Ion Ratio Lower Upper

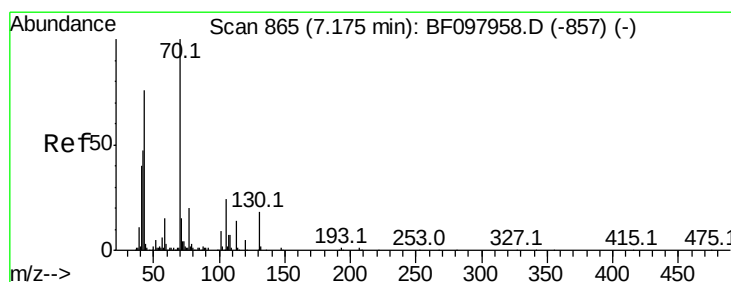
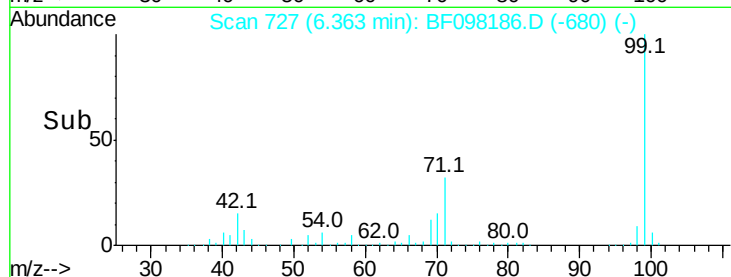
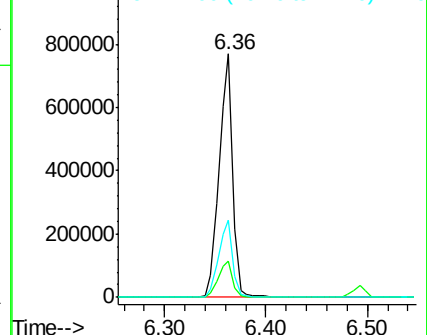
99 100

42 14.8 13.5 20.3

71 31.9 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: 7.457 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.11 min

Lab File: BF098186.D

Acq: 31 Aug 2017 6:35

Tgt Ion: 70 Resp: 56297

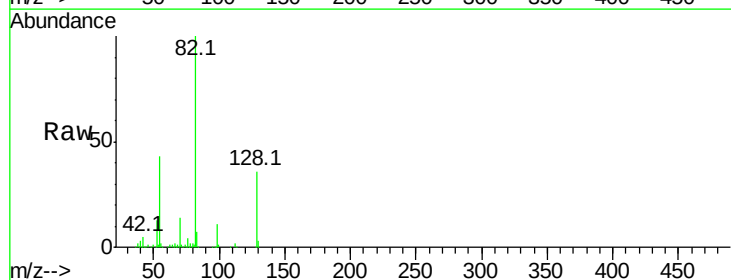
Ion Ratio Lower Upper

70 100

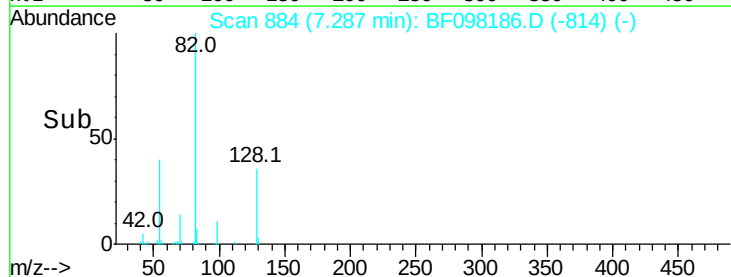
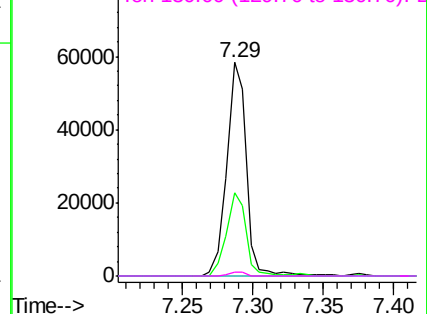
42 39.2 47.2 70.8#

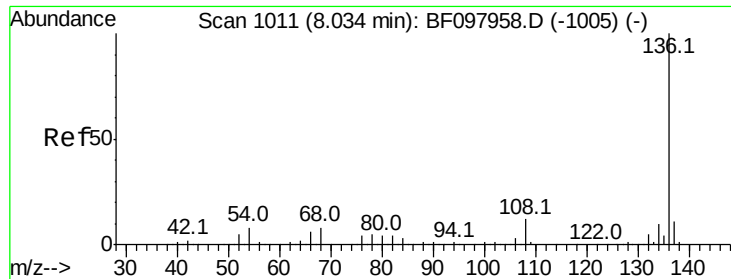
101 0.0 7.2 10.8#

130 1.9 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

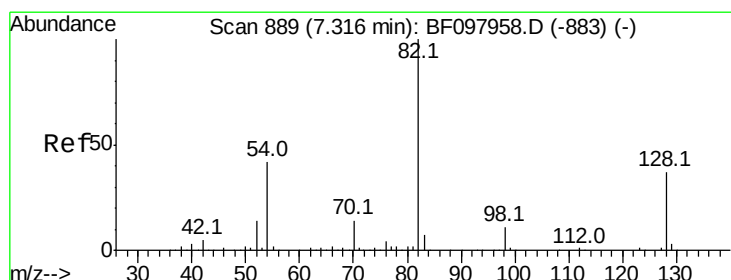
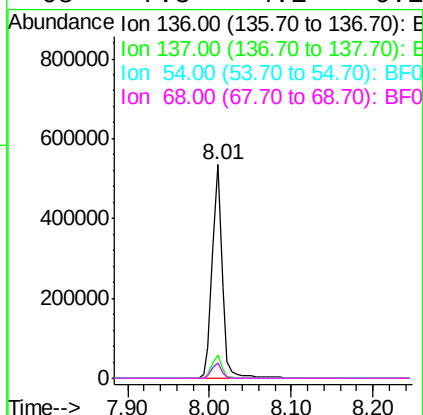
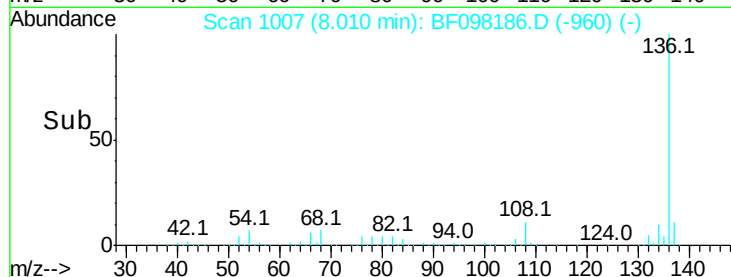
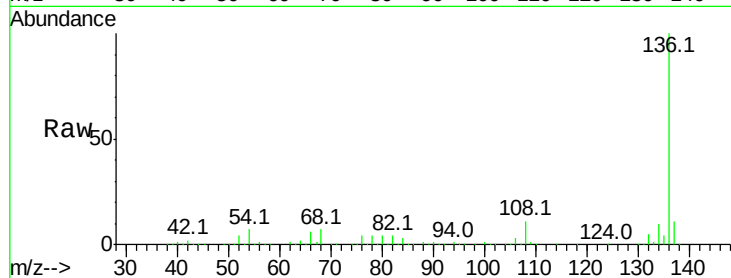




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.02 min
Lab File: BF098186.D
Acq: 31 Aug 2017 6:35

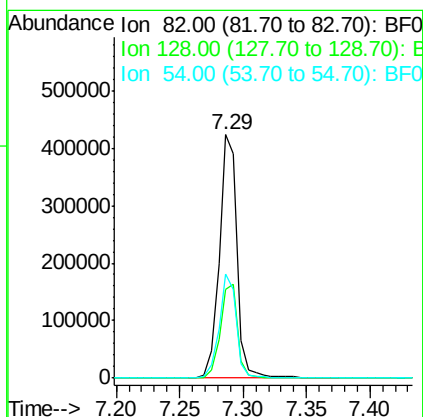
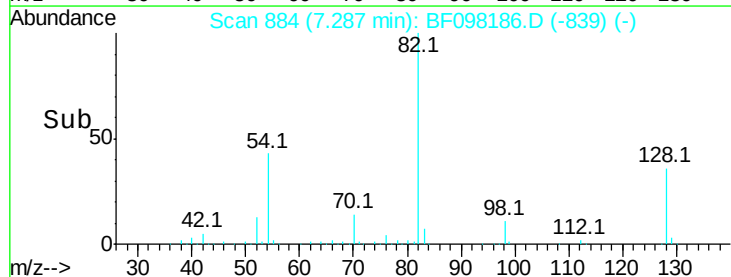
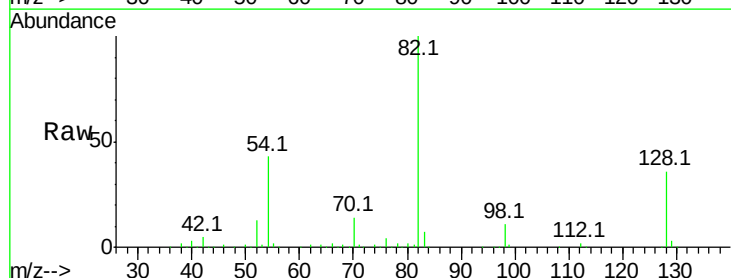
Instrument :
BNA_F
ClientSampleId :

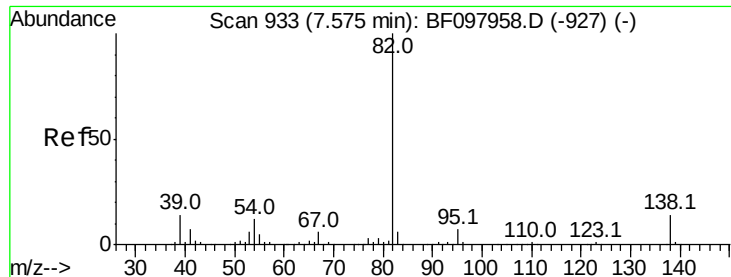
Tot Ion:	136	Resp:	454657
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.5	12.7
54	7.5	4.9	7.3#
68	7.3	4.1	6.1#



#23
Nitrobenzene-d5
Concen: 49.593 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.04 min
Lab File: BF098186.D
Acq: 31 Aug 2017 6:35

Tgt Ion:	82	Resp:	415060
Ion	Ratio	Lower	Upper
82	100		
128	36.3	34.0	51.0
54	42.6	42.2	63.2





#25

Isophorone

Concen: 23.388 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.29 min

Lab File: BF098186.D

Acq: 31 Aug 2017 6:35

Instrument :

BNA_F

ClientSampleId :

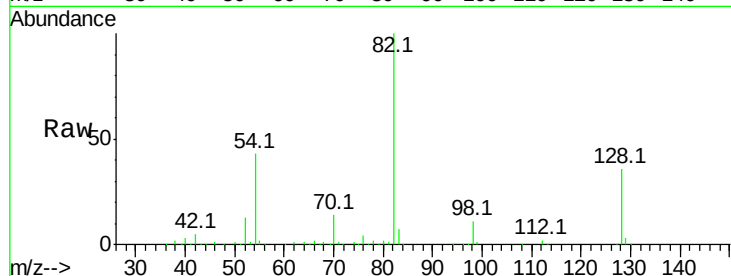
Tot Ion: 82 Resp: 407023

Ion Ratio Lower Upper

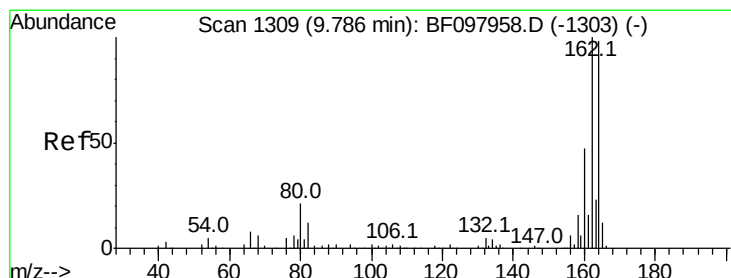
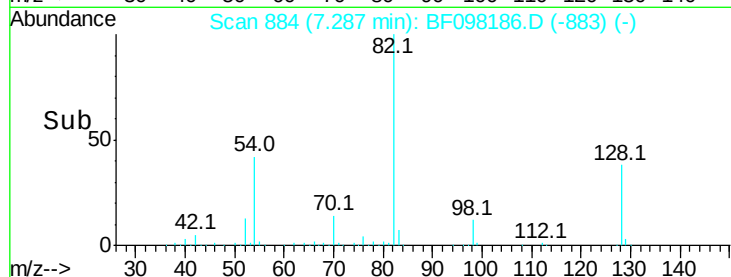
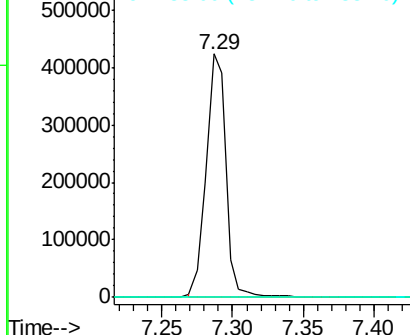
82 100

95 0.0 5.3 7.9#

138 0.0 13.1 19.7#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.03 min

Lab File: BF098186.D

Acq: 31 Aug 2017 6:35

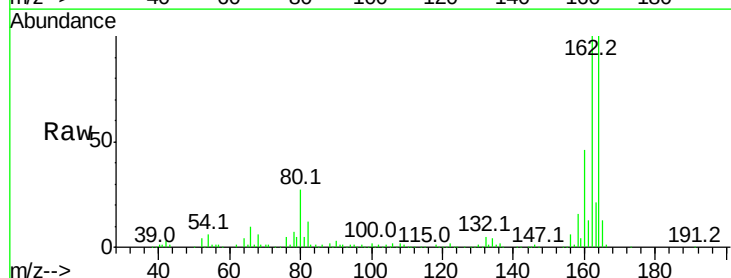
Tgt Ion:164 Resp: 168106

Ion Ratio Lower Upper

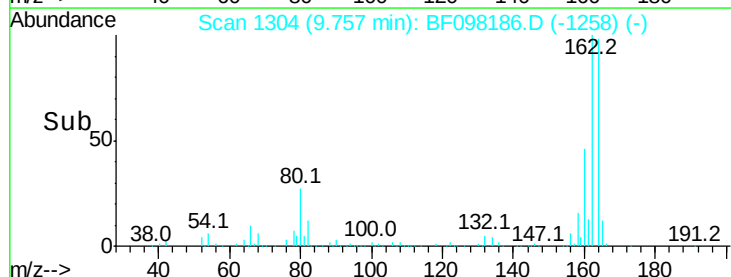
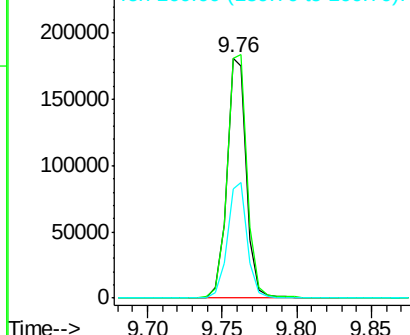
164 100

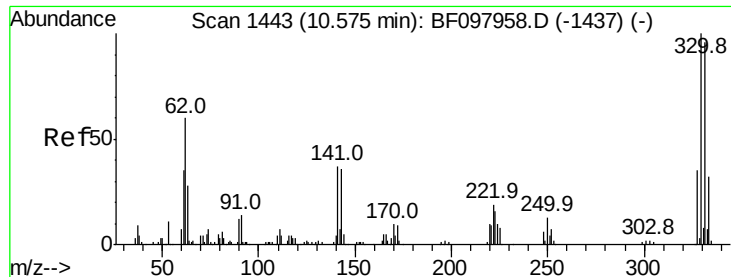
162 99.6 82.6 123.8

160 45.6 36.2 54.2



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

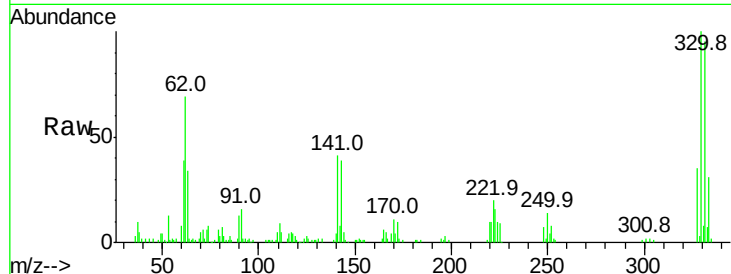




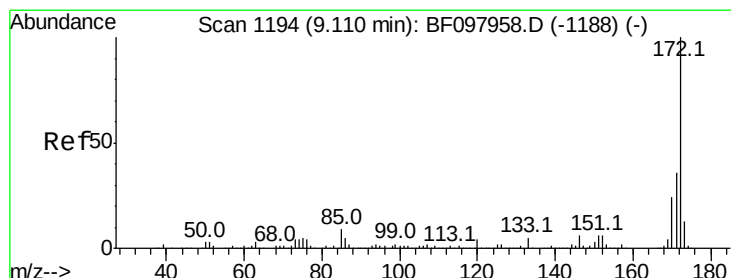
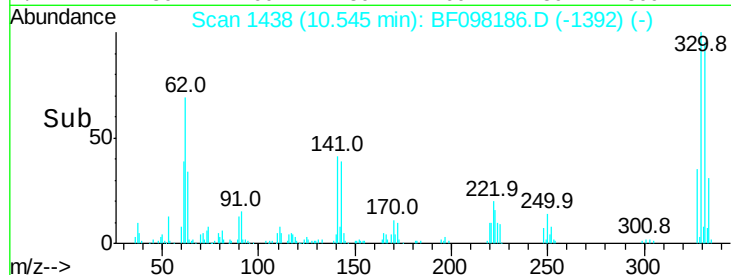
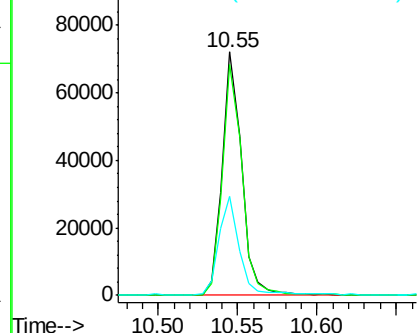
#41
 2,4,6-Tribromophenol
 Concen: 42.258 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.03 min
 Lab File: BF098186.D
 Acq: 31 Aug 2017 6:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.6	115.0
141	43.9	31.4	47.2

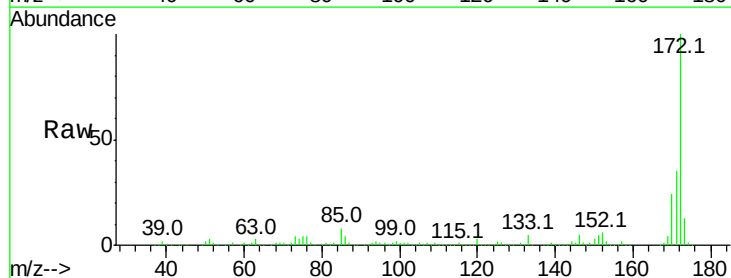


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

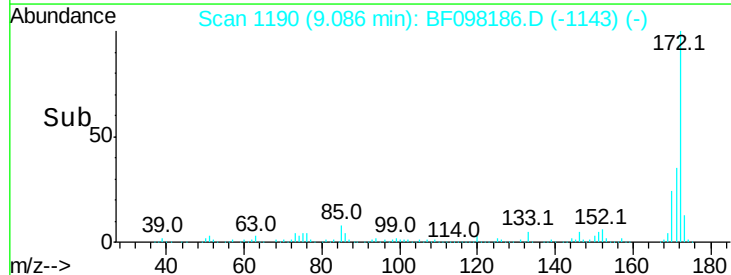
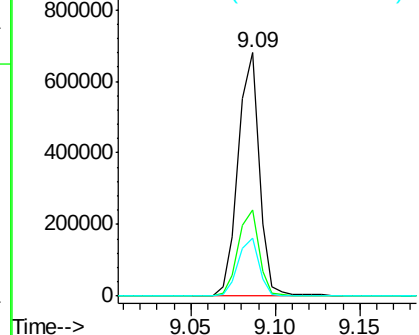


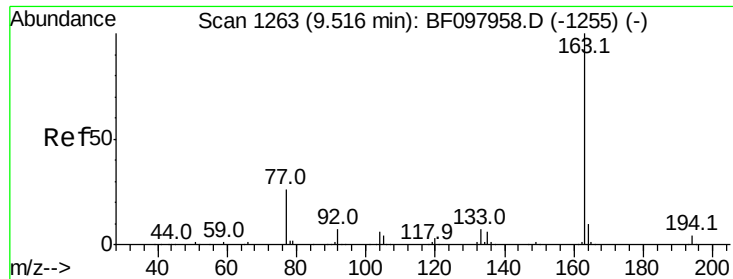
#44
 2-Fluorobiphenyl
 Concen: 52.136 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.02 min
 Lab File: BF098186.D
 Acq: 31 Aug 2017 6:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	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

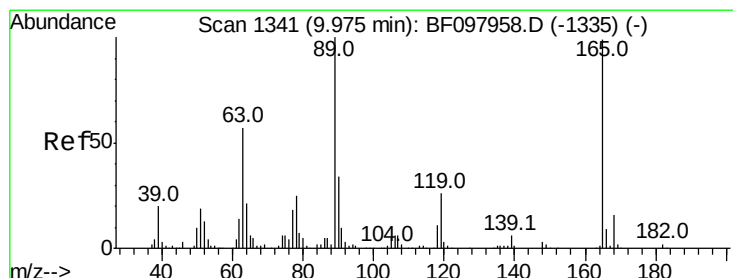
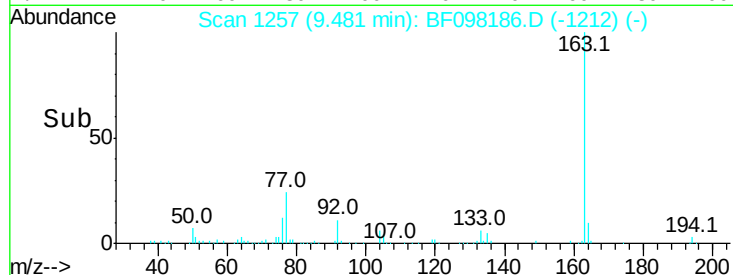
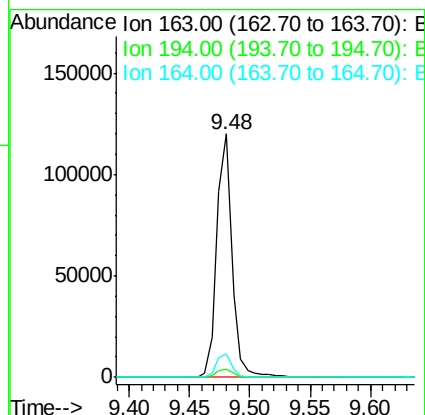
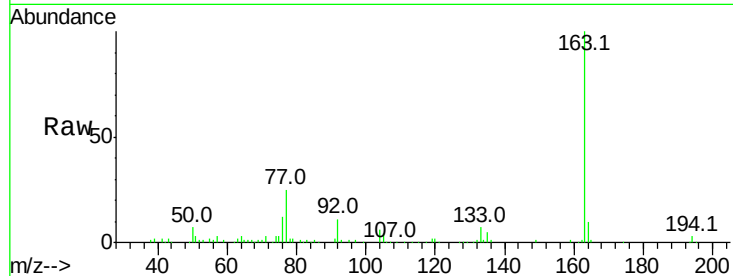




#49
Dimethylphthalate
Concen: 8.492 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.04 min
Lab File: BF098186.D
Acq: 31 Aug 2017 6:35

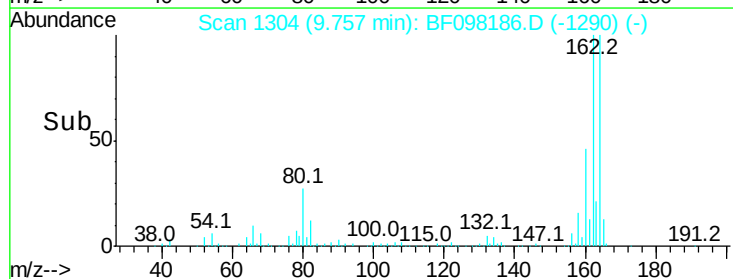
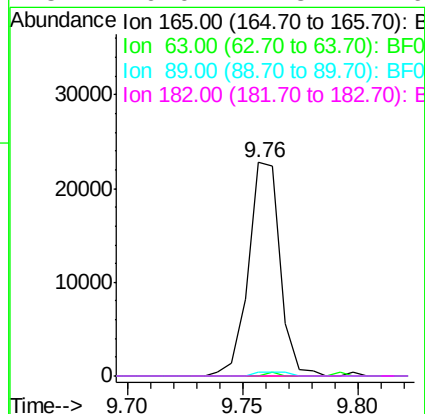
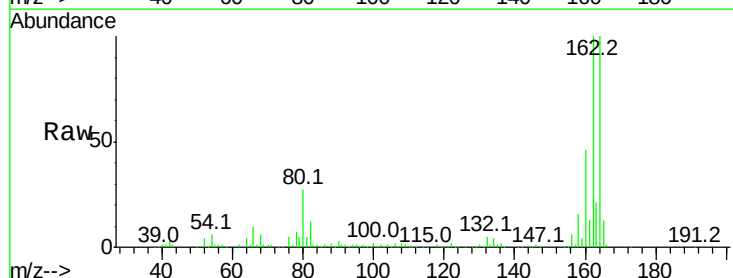
Instrument :
BNA_F
ClientSampleId :

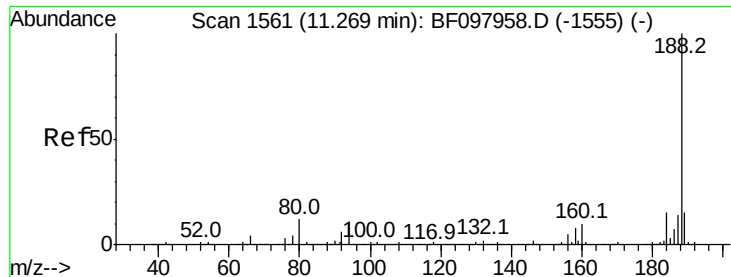
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.6	4.0
164	9.9	8.4	12.6



#56
2,4-Dinitrotoluene
Concen: 7.121 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.22 min
Lab File: BF098186.D
Acq: 31 Aug 2017 6:35

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	25.4	38.0#
89	1.7	46.4	69.6#
182	0.0	1.8	2.6#

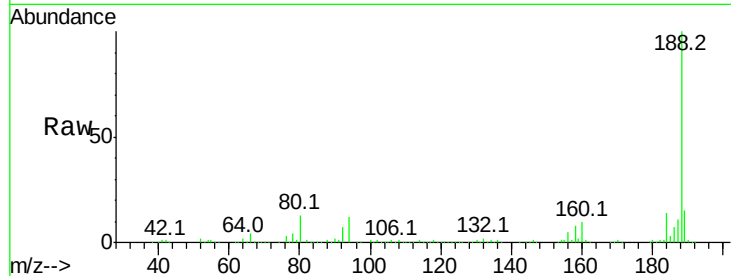




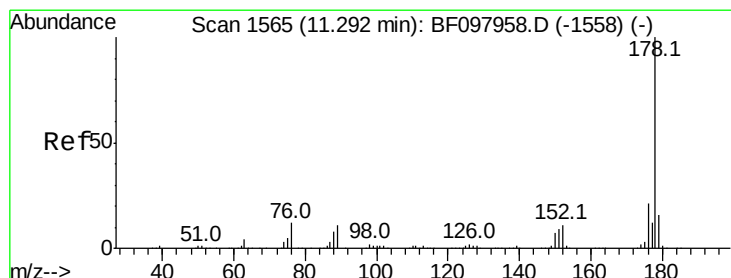
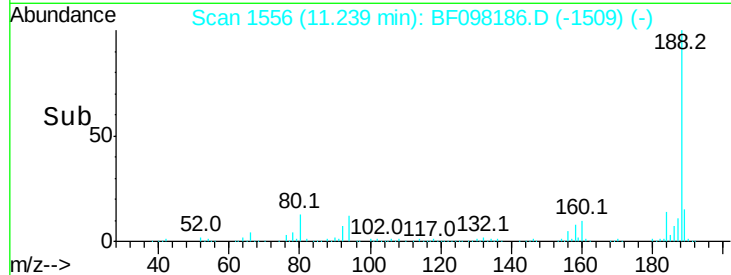
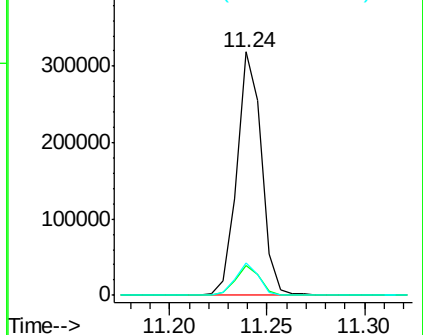
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.02 min
Lab File: BF098186.D
Acq: 31 Aug 2017 6:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 278527
Ion Ratio Lower Upper
188 100
94 12.3 9.4 14.2
80 13.2 10.2 15.2

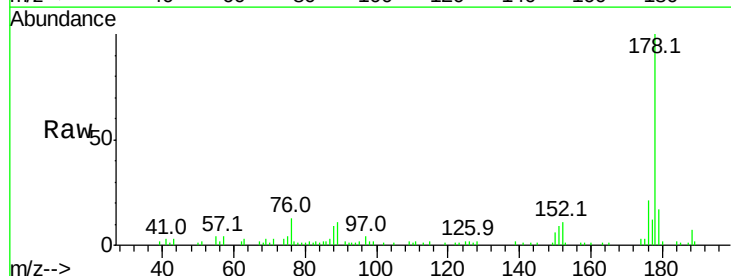


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

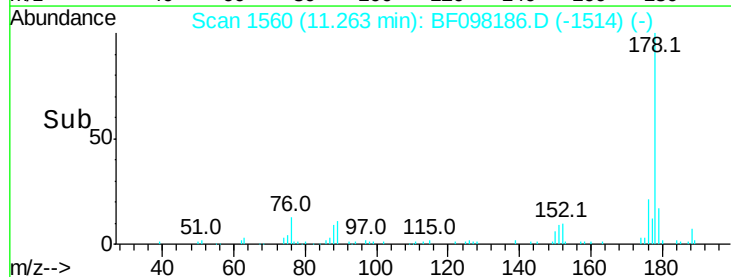
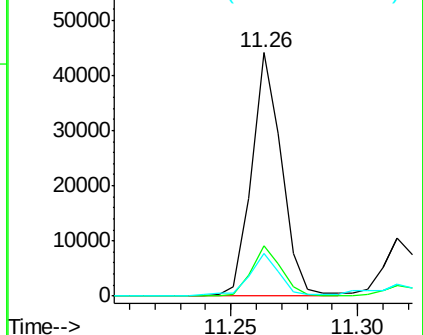


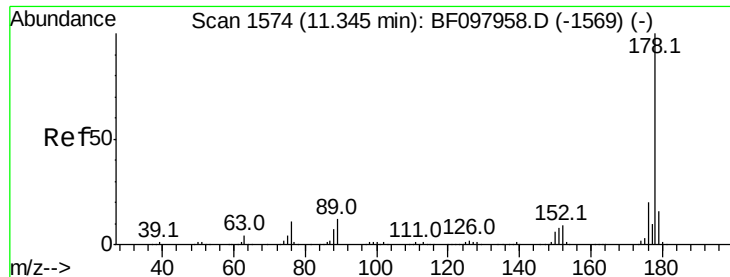
#70
Phenanthrene
Concen: 2.463 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.03 min
Lab File: BF098186.D
Acq: 31 Aug 2017 6:35

Tgt Ion:178 Resp: 36555
Ion Ratio Lower Upper
178 100
176 20.8 16.2 24.4
179 17.5 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

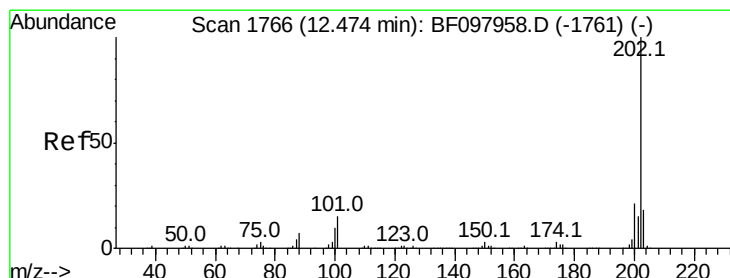
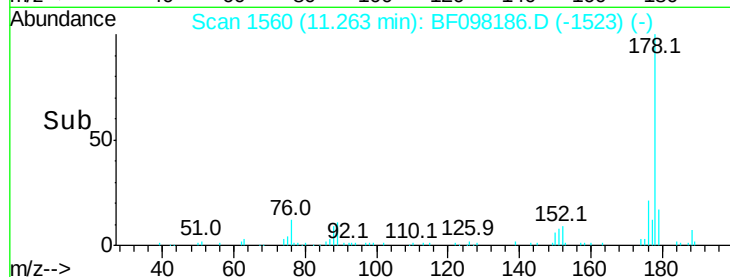
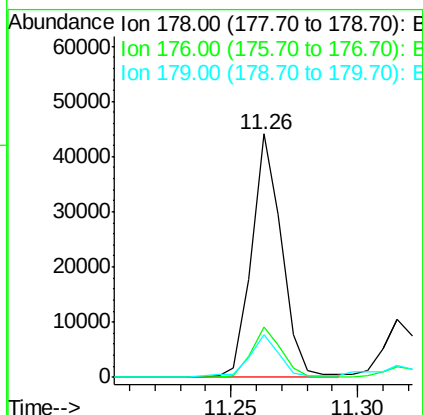
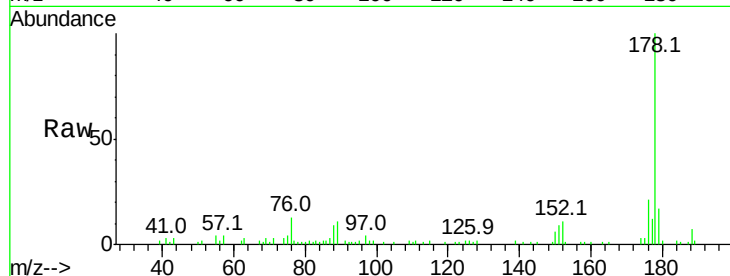




#71
 Anthracene
 Concen: 2.428 ng
 RT: 11.26 min Scan# 1560
 Delta R.T. -0.08 min
 Lab File: BF098186.D
 Acq: 31 Aug 2017 6:35

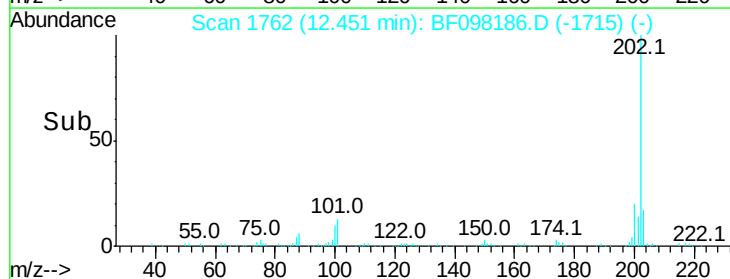
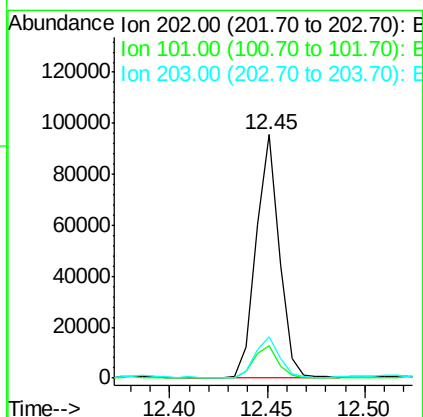
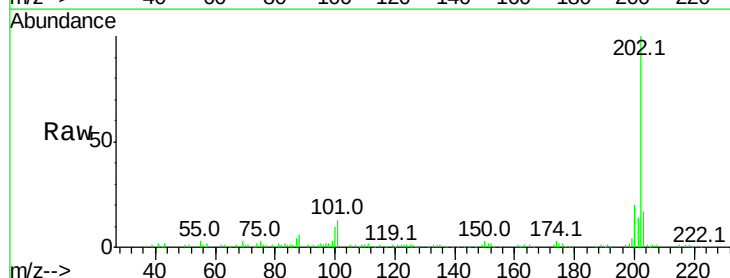
Instrument :
 BNA_F
 ClientSampled :

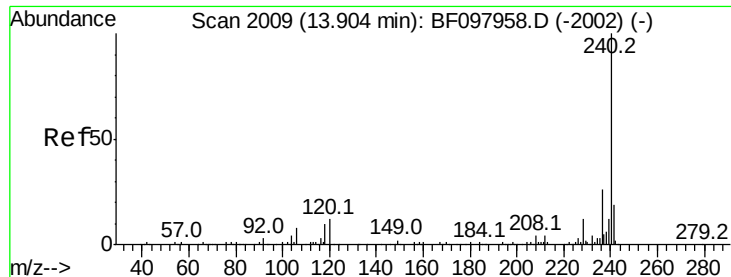
Tot Ion	Ratio	Lower	Upper
178	100		
176	20.8	15.8	23.8
179	17.5	12.7	19.1



#74
 Fluoranthene
 Concen: 5.124 ng
 RT: 12.45 min Scan# 1762
 Delta R.T. -0.02 min
 Lab File: BF098186.D
 Acq: 31 Aug 2017 6:35

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	33.2
203	17.1	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.02 min

Lab File: BF098186.D

Acq: 31 Aug 2017 6:35

Instrument :

BNA_F

ClientSampleId :

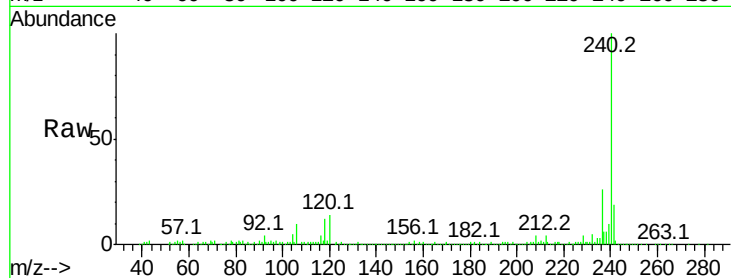
Tot Ion:240 Resp: 240974

Ion Ratio Lower Upper

240 100

120 13.6 5.8 8.8#

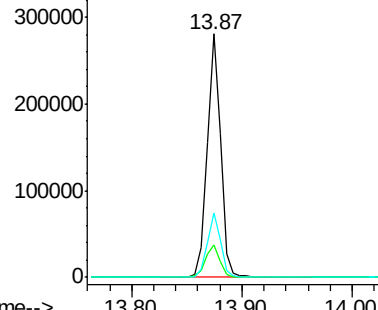
236 26.3 20.5 30.7



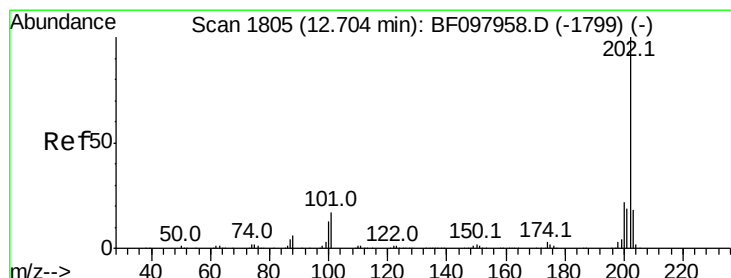
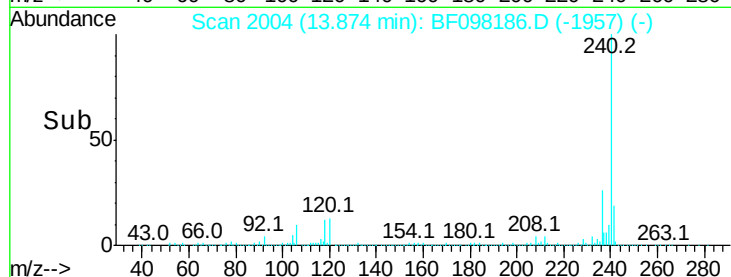
Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->



#77

Pyrene

Concen: 4.296 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.02 min

Lab File: BF098186.D

Acq: 31 Aug 2017 6:35

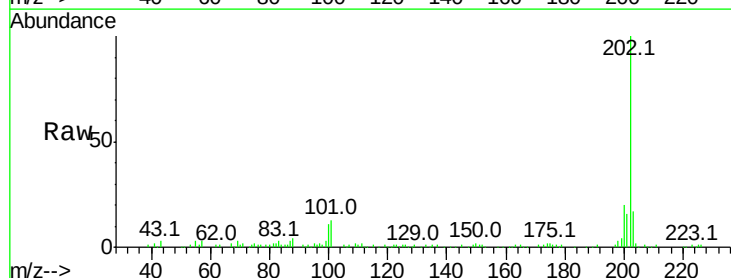
Tgt Ion:202 Resp: 84675

Ion Ratio Lower Upper

202 100

200 20.4 17.6 26.4

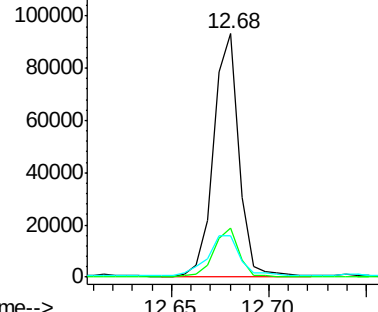
203 17.0 14.4 21.6



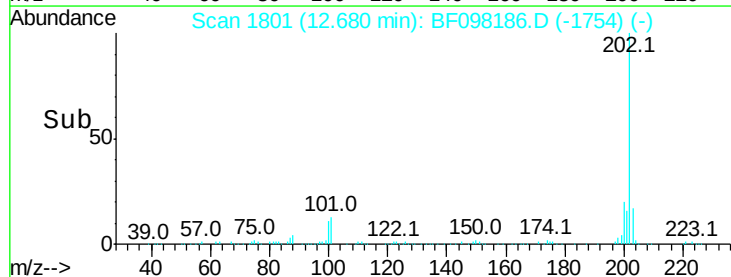
Abundance Ion 202.00 (201.70 to 202.70): E

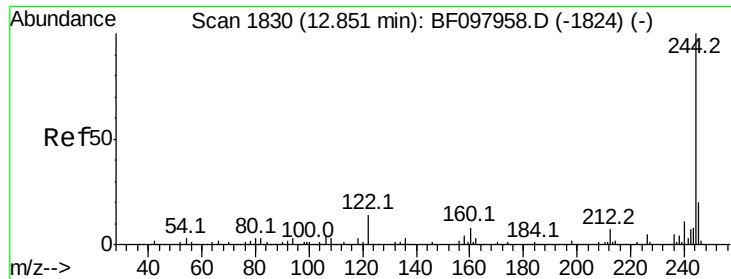
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->

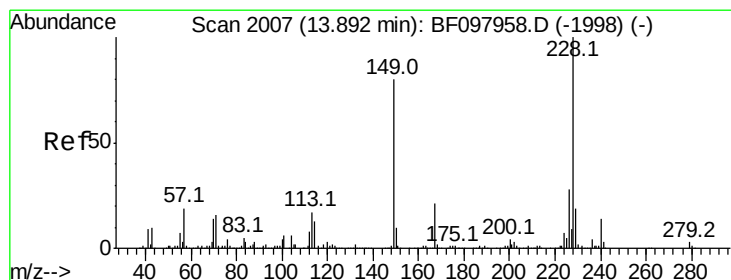
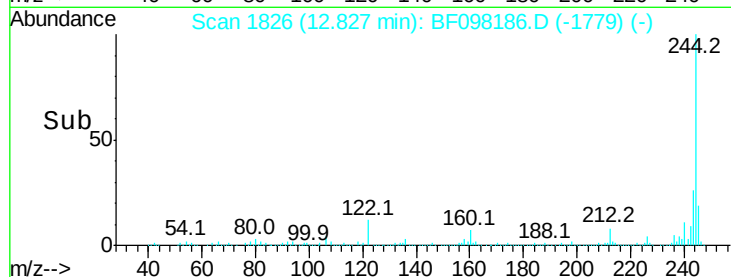
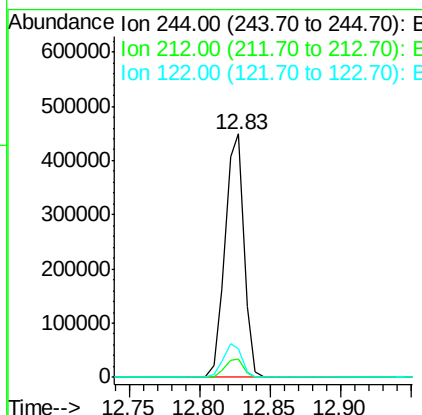
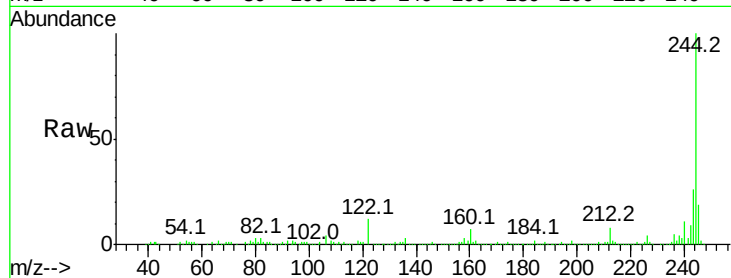




#78
 Terphenyl-d14
 Concen: 36.279 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.02 min
 Lab File: BF098186.D
 Acq: 31 Aug 2017 6:35

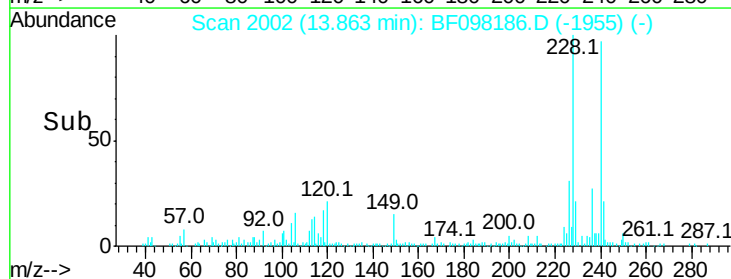
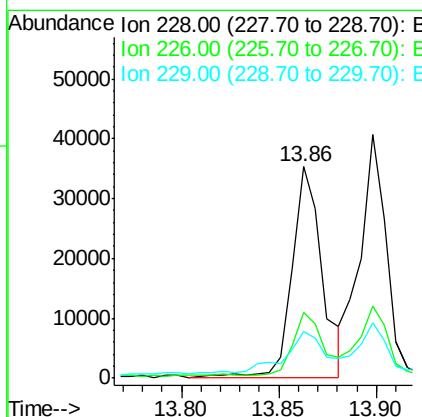
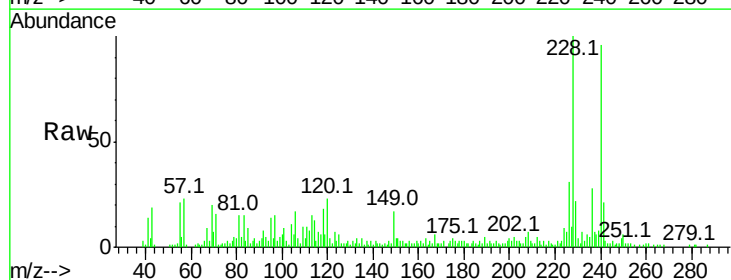
Instrument :
 BNA_F
 ClientSampleId :

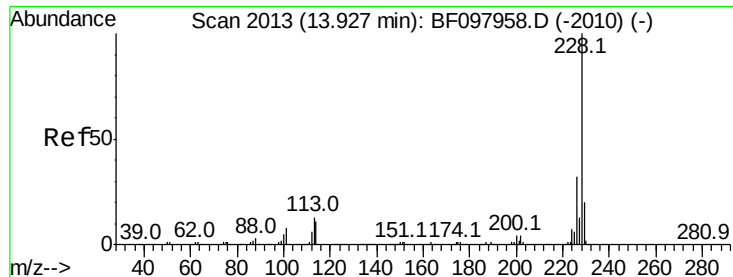
Tot Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	11.7	10.3	15.5



#80
 Benzo(a)anthracene
 Concen: 2.644 ng
 RT: 13.86 min Scan# 2002
 Delta R.T. -0.02 min
 Lab File: BF098186.D
 Acq: 31 Aug 2017 6:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	22.6	33.8
229	22.3	16.3	24.5





#82

Chrysene

Concen: 2.700 ng

RT: 13.90 min Scan# 2008

Delta R.T. -0.03 min

Lab File: BF098186.D

Acq: 31 Aug 2017 6:35

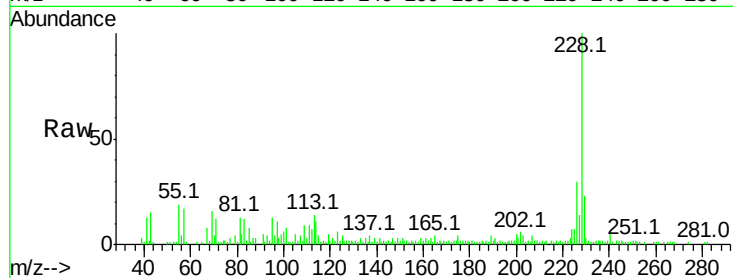
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 38798

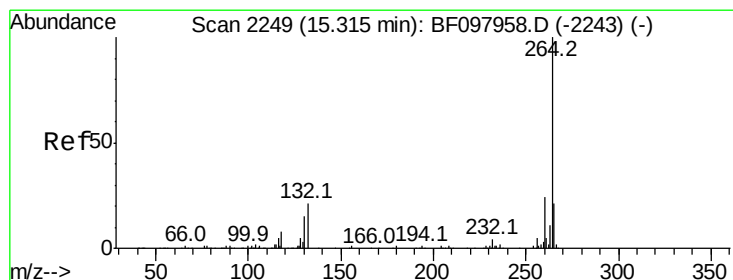
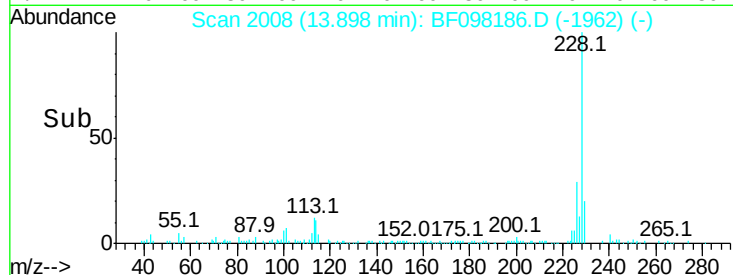
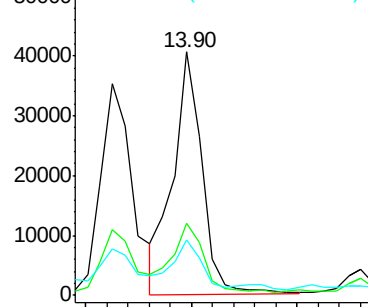
Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.9	37.3
229	22.6	15.8	23.6



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.29 min Scan# 2245

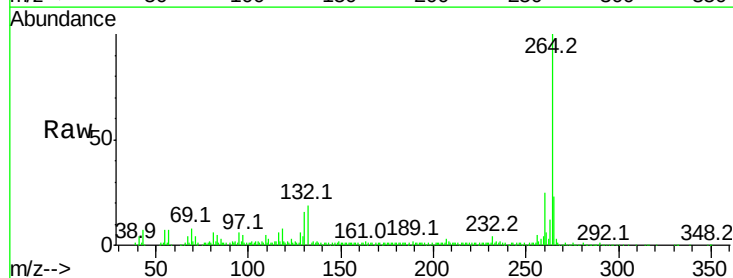
Delta R.T. -0.02 min

Lab File: BF098186.D

Acq: 31 Aug 2017 6:35

Tgt Ion:264 Resp: 157217

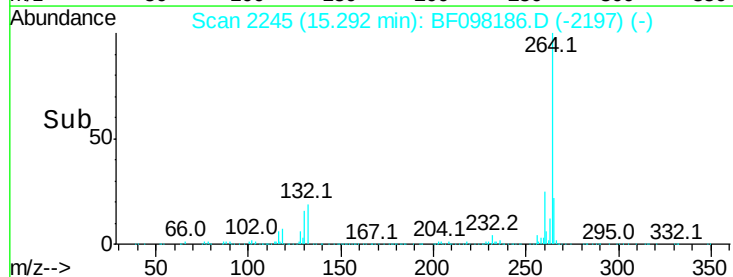
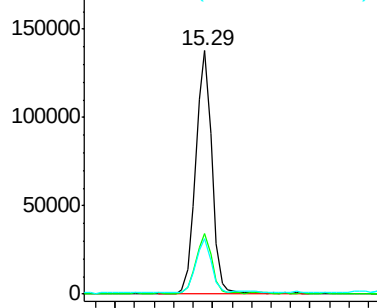
Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.5	29.3
265	22.7	17.2	25.8

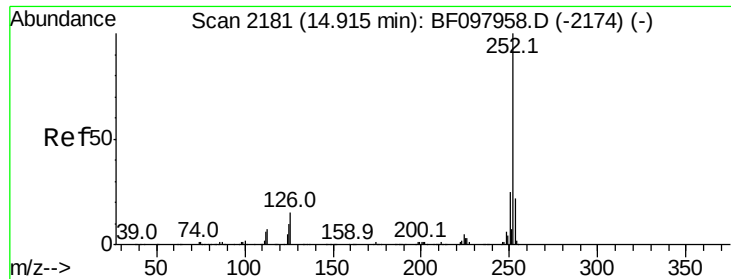


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 4.668 ng

RT: 14.89 min Scan# 2176

Delta R.T. -0.02 min

Lab File: BF098186.D

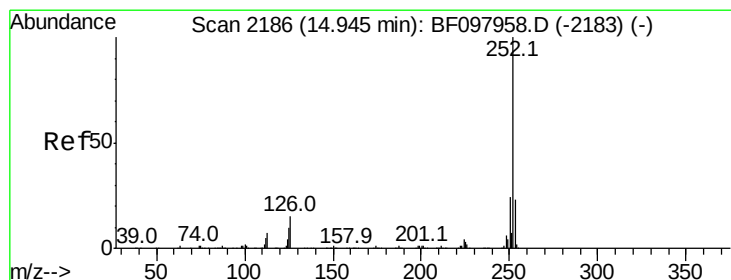
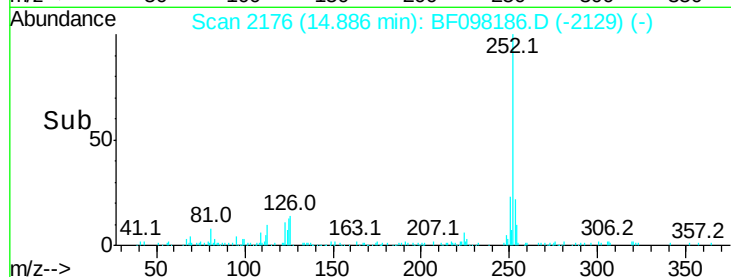
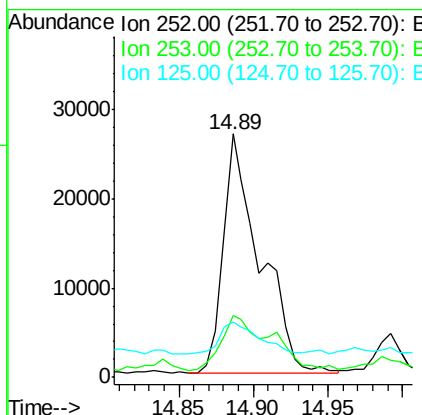
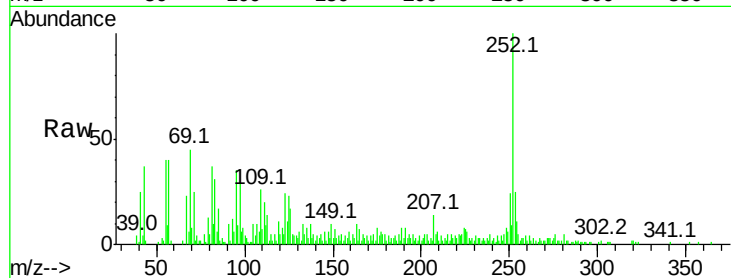
Acq: 31 Aug 2017 6:35

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252	Resp:	46259
Ion Ratio	Lower	Upper
252	100	
253	25.4	18.1 27.1
125	22.9	9.8 14.8#



#88

Benzo(k)fluoranthene

Concen: 4.969 ng

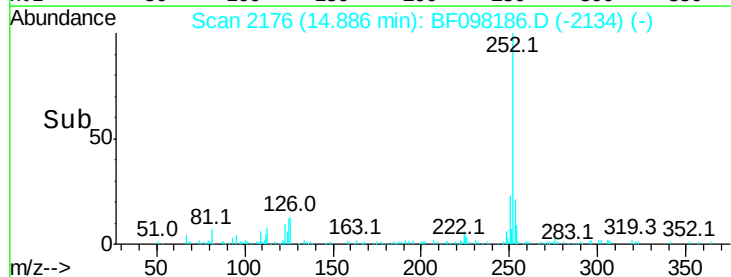
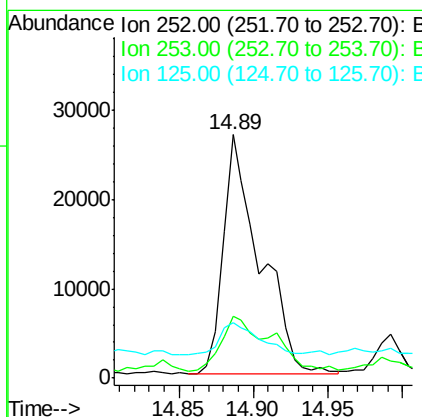
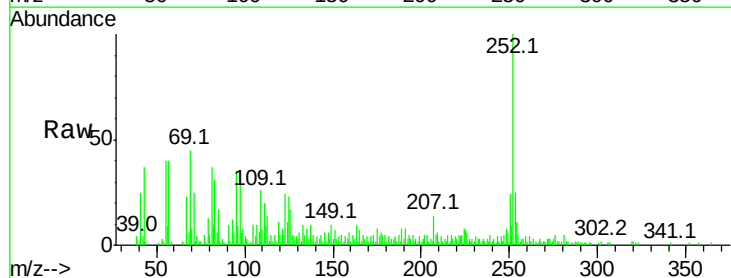
RT: 14.89 min Scan# 2176

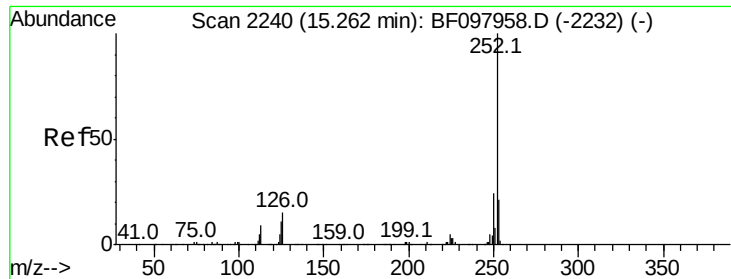
Delta R.T. -0.05 min

Lab File: BF098186.D

Acq: 31 Aug 2017 6:35

Tgt Ion:252	Resp:	46259
Ion Ratio	Lower	Upper
252	100	
253	25.4	18.4 27.6
125	22.9	13.1 19.7#





#89

Benzo(a)pyrene

Concen: 2.657 ng

RT: 15.23 min Scan# 2235

Delta R.T. -0.02 min

Lab File: BF098186.D

Acq: 31 Aug 2017 6:35

Instrument :

BNA_F

ClientSampled :

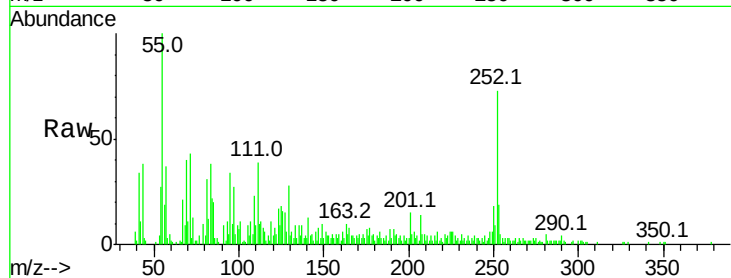
Tot Ion:252 Resp: 23314

Ion Ratio Lower Upper

252 100

253 26.5 17.5 26.3#

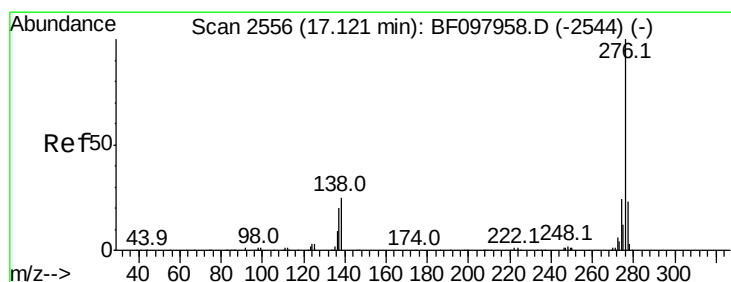
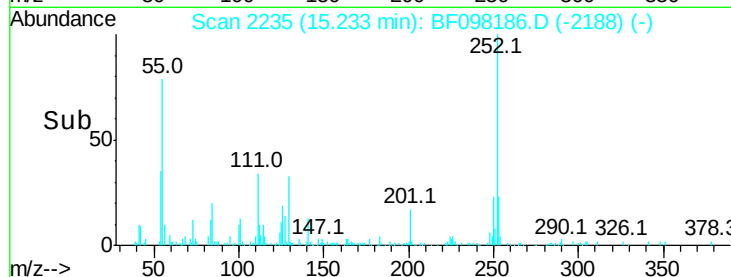
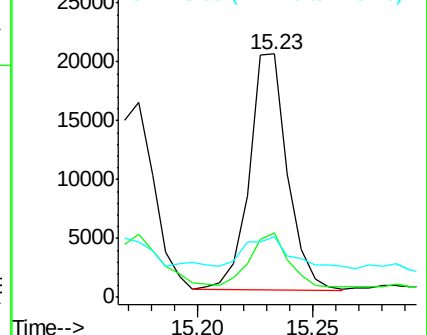
125 24.8 11.0 16.4#



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: 2.304 ng

RT: 17.07 min Scan# 2548

Delta R.T. -0.04 min

Lab File: BF098186.D

Acq: 31 Aug 2017 6:35

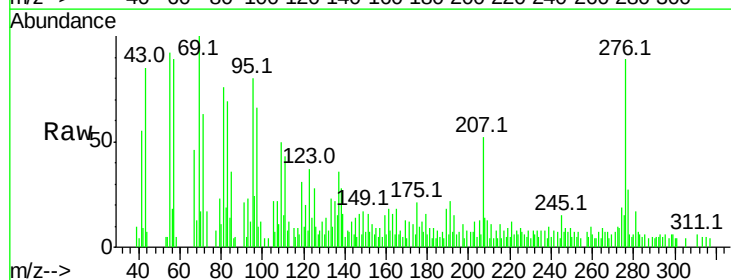
Tgt Ion:276 Resp: 17167

Ion Ratio Lower Upper

276 100

277 30.0 18.6 28.0#

138 31.0 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

