

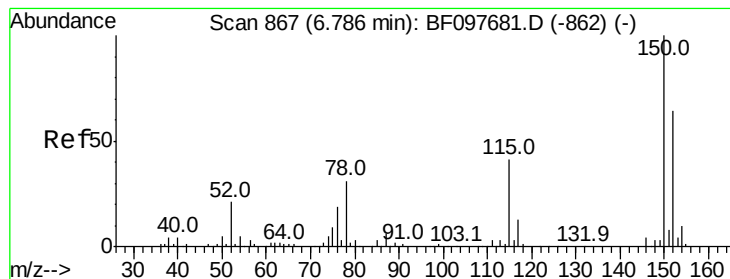
Data Path : Z:\HPCHEM1\BNA F\DATA\BF090217\
 Data File : BF098250.D
 Acq On : 2 Sep 2017 17:15
 Operator : SJ/JU
 Sample : I5069-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 04 07:24:26 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	6.71	152	110752	20.00	ng	-0.04
21) Naphthalene-d8	7.99	136	418206	20.00	ng	-0.04
38) Acenaphthene-d10	9.75	164	166168	20.00	ng	-0.04
63) Phenanthrene-d10	11.23	188	264626	20.00	ng	-0.04
75) Chrysene-d12	13.86	240	246692	20.00	ng	-0.04
86) Perylene-d12	15.27	264	242040	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	746537	102.53	ng	-0.03
7) Phenol-d6	6.36	99	1024847	103.59	ng	-0.03
23) Nitrobenzene-d5	7.27	82	614915	79.88	ng	-0.05
41) 2,4,6-Tribromophenol	10.53	330	148730	103.16	ng	-0.04
44) 2-Fluorobiphenyl	9.07	172	837306	74.03	ng	-0.04
78) Terphenyl-d14	12.82	244	603619	51.03	ng	-0.04
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.27	70	80656	11.910	ng	Qvalue # 72
25) Isophorone	7.27	82	601095	37.551	ng	# 67
49) Dimethylphthalate	9.46	163	95993	7.903	ng	100
56) 2,4-Dinitrotoluene	9.75	165	20667	6.792	ng	# 32
64) 4,6-Dinitro-2-methylphenol	10.53	198	322	8.534	ng	# 1
66) 4-Bromophenyl-phenylether	10.53	248	9387	3.416	ng	# 1
70) Phenanthrene	11.25	178	48463	3.437	ng	100
74) Fluoranthene	12.43	202	68086	4.626	ng	98
77) Pyrene	12.66	202	60612	3.004	ng	98
80) Benzo(a)anthracene	13.85	228	36017	2.436	ng	95
82) Chrysene	13.89	228	30149	2.050	ng	97
87) Benzo(b)fluoranthene	14.87	252	57626	3.777	ng	# 88
88) Benzo(k)fluoranthene	14.87	252	57626	4.020	ng	92
89) Benzo(a)pyrene	15.22	252	30061	2.226	ng	# 91

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

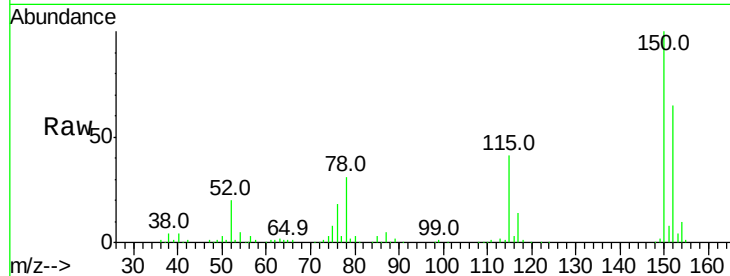


#1

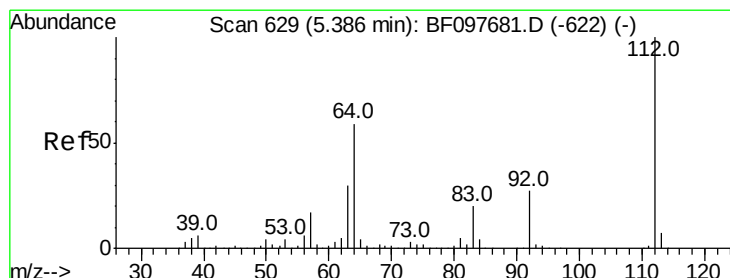
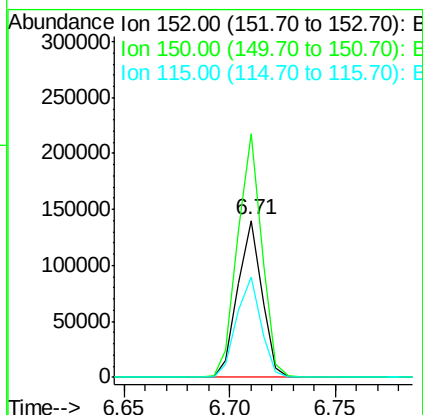
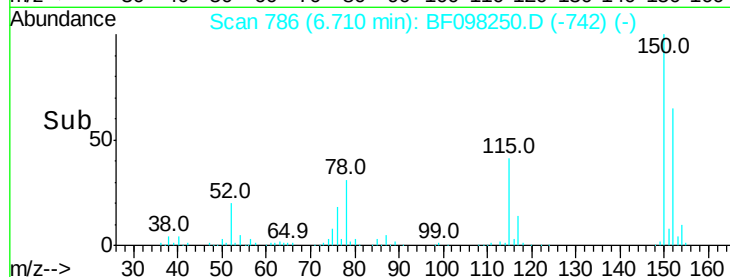
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.71 min Scan# 786
Delta R.T. -0.04 min
Lab File: BF098250.D
Acq: 2 Sep 2017 17:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 110752
Ion Ratio Lower Upper
152 100
150 155.0 126.2 189.2
115 63.6 52.2 78.2



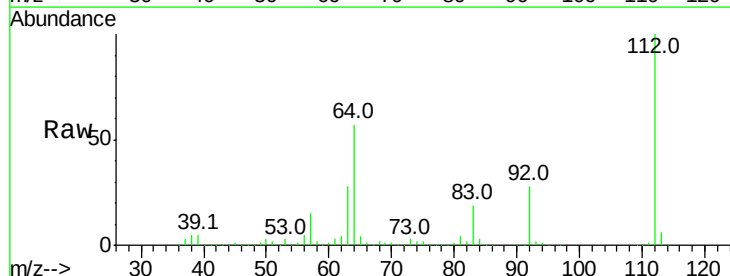
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



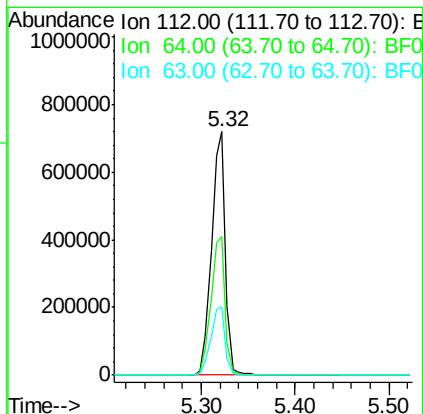
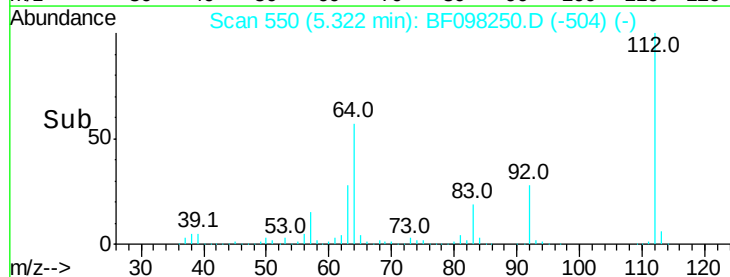
#5

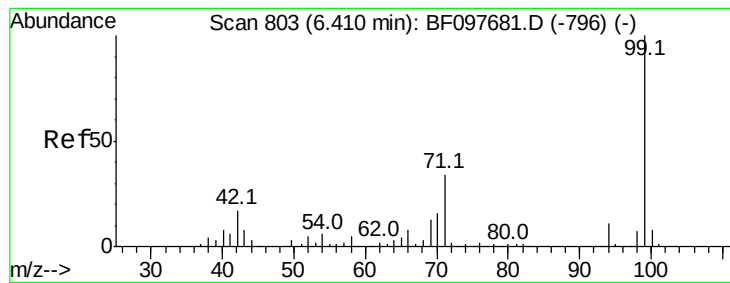
2-Fluorophenol
Concen: 102.530 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.03 min
Lab File: BF098250.D
Acq: 2 Sep 2017 17:15

Tgt Ion:112 Resp: 746537
Ion Ratio Lower Upper
112 100
64 57.2 46.0 69.0
63 28.1 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: 103.593 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.03 min

Lab File: BF098250.D

Acq: 2 Sep 2017 17:15

Instrument :

BNA_F

ClientSampleId :

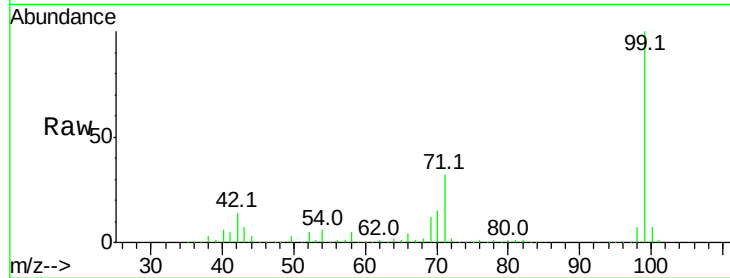
Tot Ion: 99 Resp: 1024847

Ion	Ratio	Lower	Upper
99	100		
42	14.4	13.5	20.3
71	31.7	24.5	36.7

99 100

42 14.4 13.5 20.3

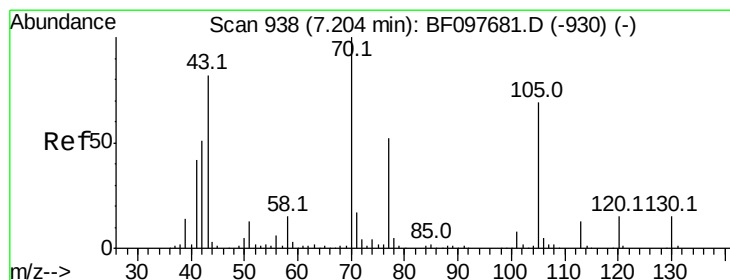
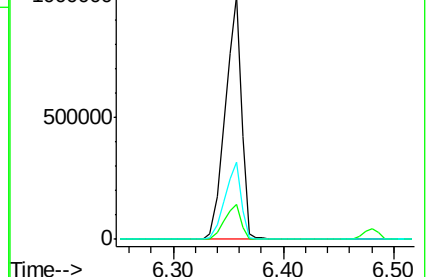
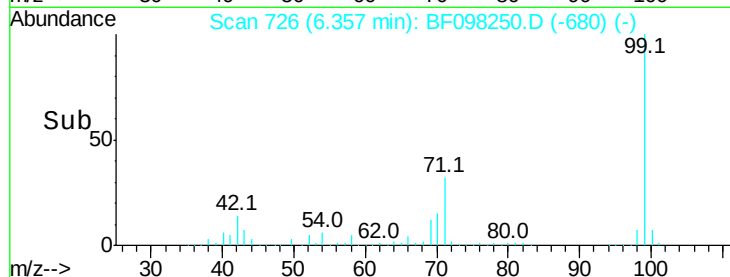
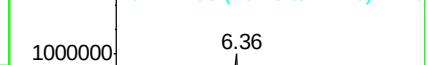
71 31.7 24.5 36.7



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



#19

n-Nitroso-di-n-propylamine

Concen: 11.910 ng

RT: 7.27 min Scan# 882

Delta R.T. 0.10 min

Lab File: BF098250.D

Acq: 2 Sep 2017 17:15

Tgt Ion: 70 Resp: 80656

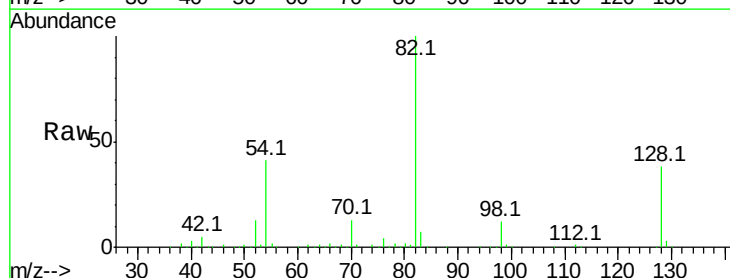
Ion	Ratio	Lower	Upper
70	100		
42	40.7	47.2	70.8#
101	0.0	7.2	10.8#
130	1.9	15.9	23.9#

70 100

42 40.7 47.2 70.8#

101 0.0 7.2 10.8#

130 1.9 15.9 23.9#

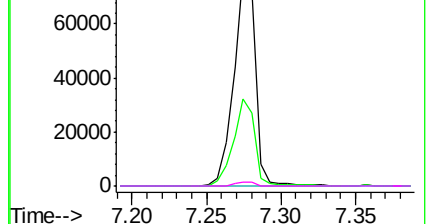
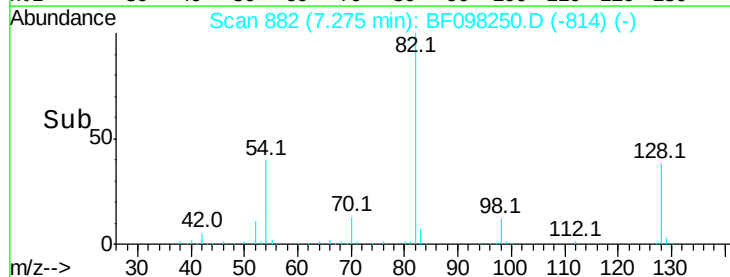
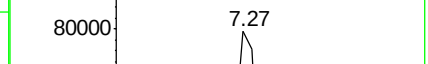


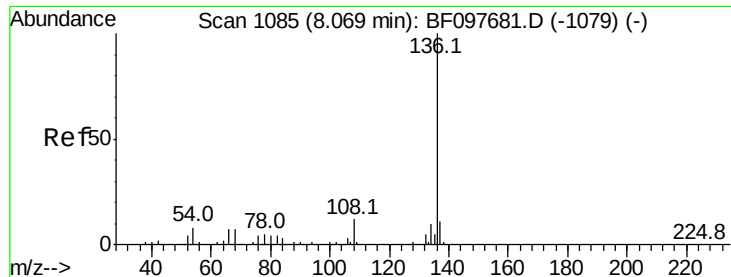
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

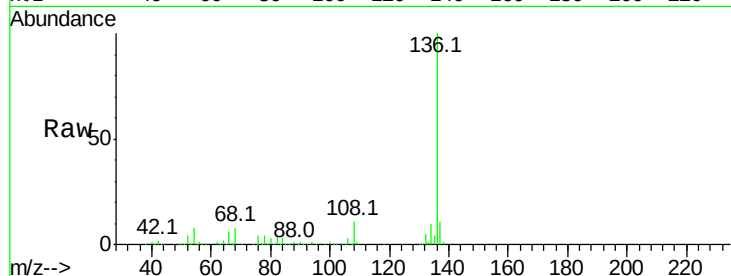




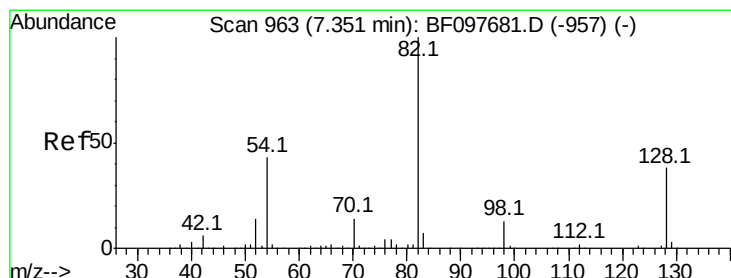
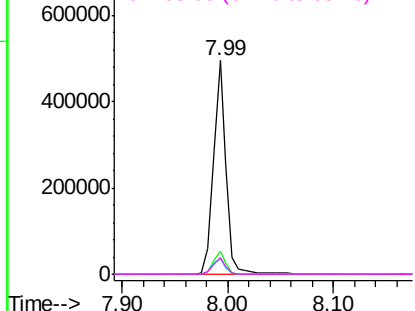
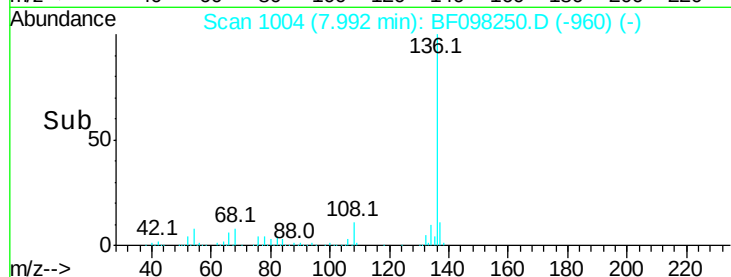
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.04 min
Lab File: BF098250.D
Acq: 2 Sep 2017 17:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136 Resp: 418206
Ion Ratio Lower Upper
136 100
137 10.5 8.5 12.7
54 7.5 4.9 7.3#
68 7.5 4.1 6.1#

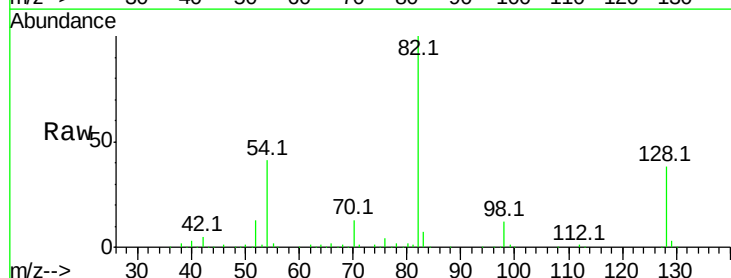


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

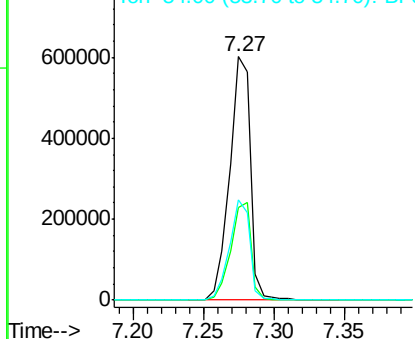
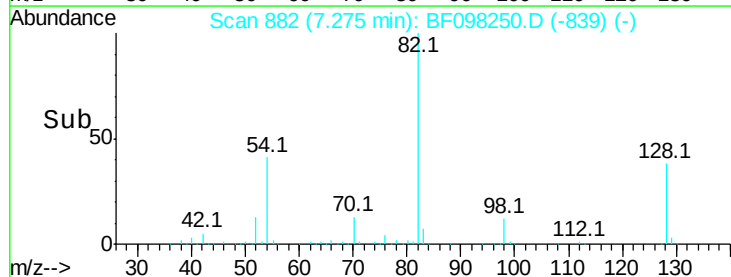


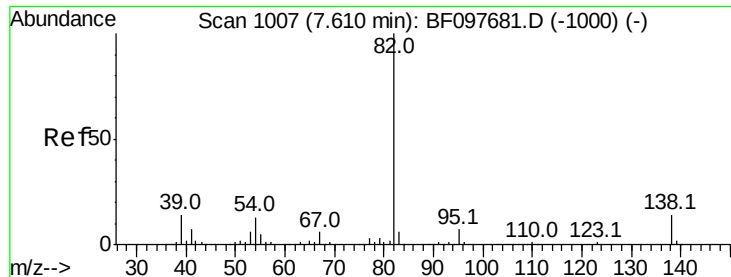
#23
Nitrobenzene-d5
Concen: 79.877 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.05 min
Lab File: BF098250.D
Acq: 2 Sep 2017 17:15

Tgt Ion: 82 Resp: 614915
Ion Ratio Lower Upper
82 100
128 37.9 34.0 51.0
54 41.0 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





#25

Isophorone

Concen: 37.551 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.31 min

Lab File: BF098250.D

Acq: 2 Sep 2017 17:15

Instrument :

BNA_F

ClientSampleId :

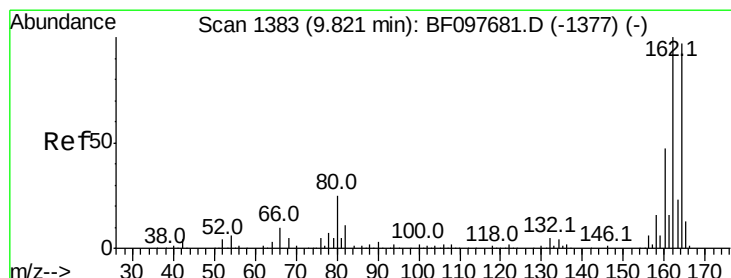
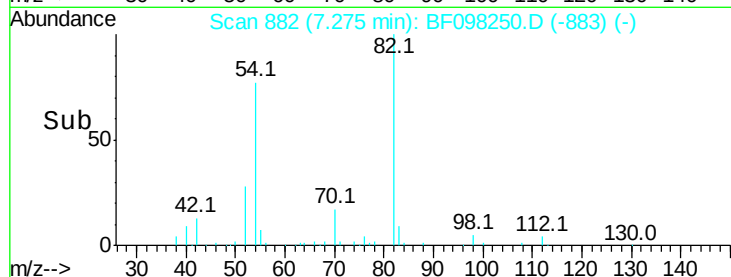
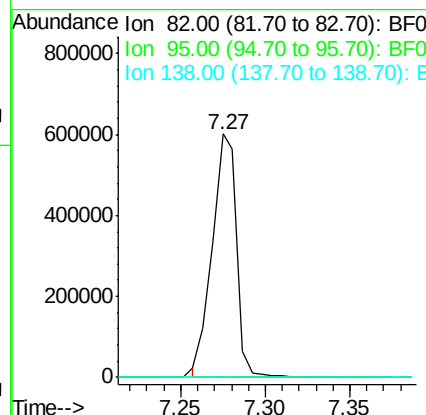
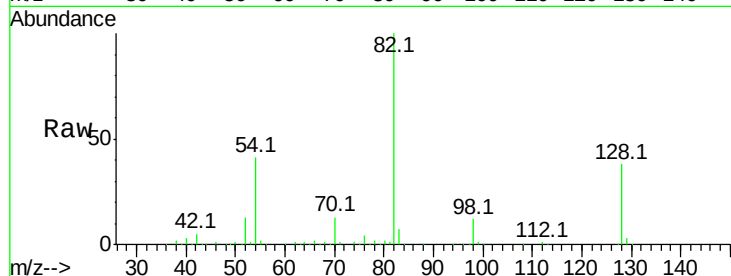
Tot Ion: 82 Resp: 601095

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: 9.75 min Scan# 1302

Delta R.T. -0.04 min

Lab File: BF098250.D

Acq: 2 Sep 2017 17:15

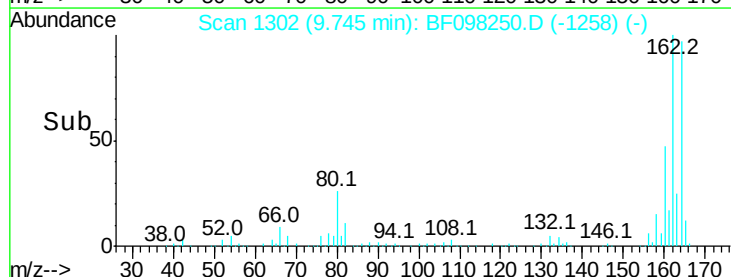
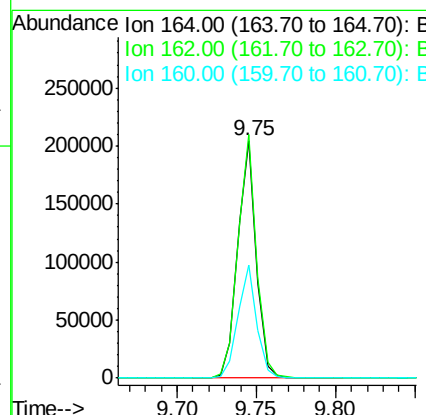
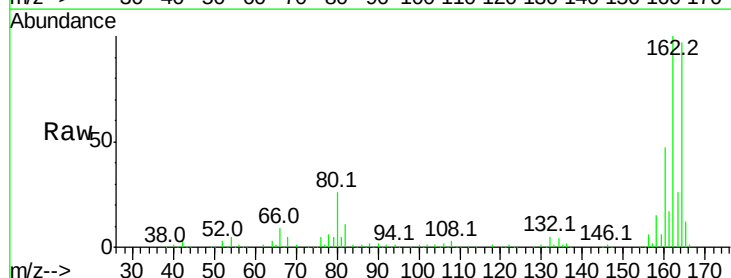
Tgt Ion: 164 Resp: 166168

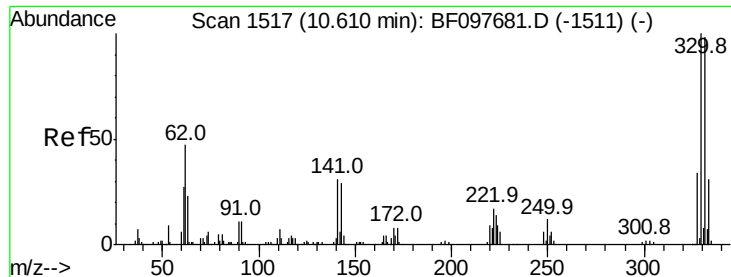
Ion Ratio Lower Upper

164 100

162 102.6 82.6 123.8

160 47.9 36.2 54.2





#41

2,4,6-Tribromophenol

Concen: 103.157 ng

RT: 10.53 min Scan# 1436

Delta R.T. -0.04 min

Lab File: BF098250.D

Acq: 2 Sep 2017 17:15

Instrument :

BNA_F

ClientSampleId :

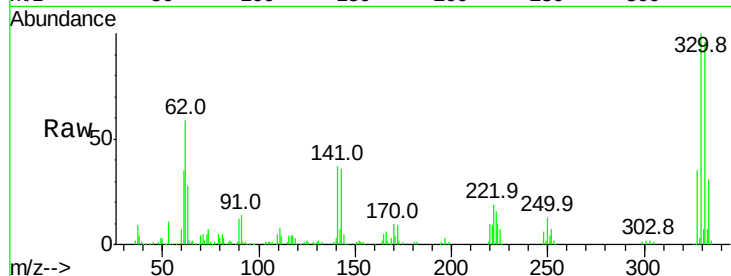
Tot Ion:330 Resp: 148730

Ion Ratio Lower Upper

330 100

332 96.0 76.6 115.0

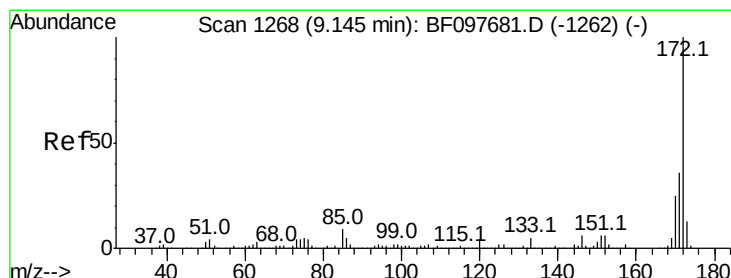
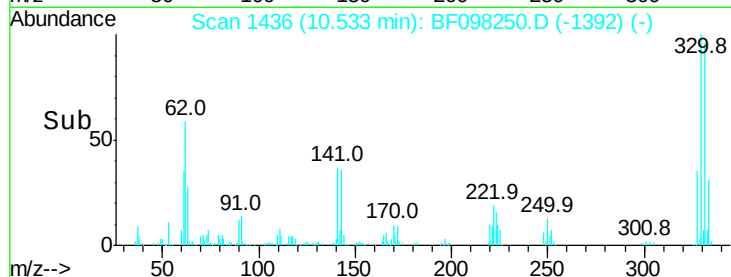
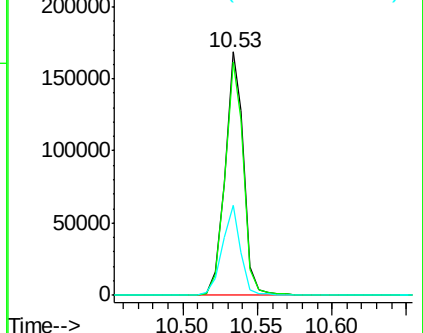
141 36.6 31.4 47.2



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: 74.032 ng

RT: 9.07 min Scan# 1187

Delta R.T. -0.04 min

Lab File: BF098250.D

Acq: 2 Sep 2017 17:15

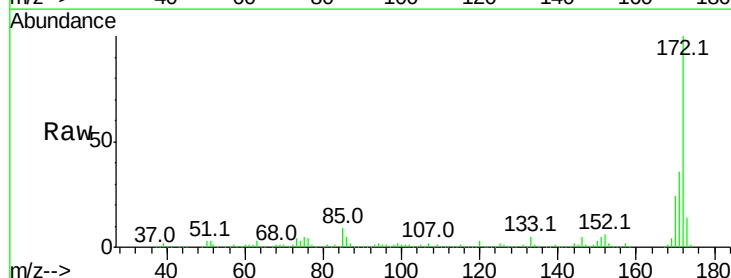
Tgt Ion:172 Resp: 837306

Ion Ratio Lower Upper

172 100

171 36.0 29.6 44.4

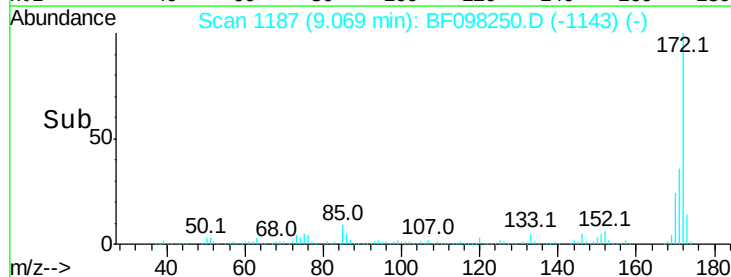
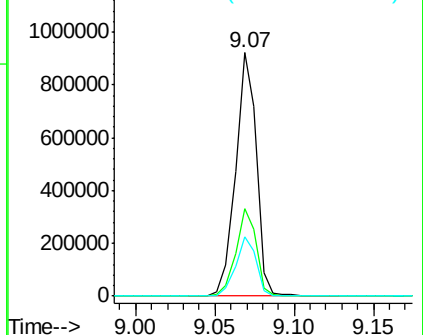
170 24.4 19.8 29.8

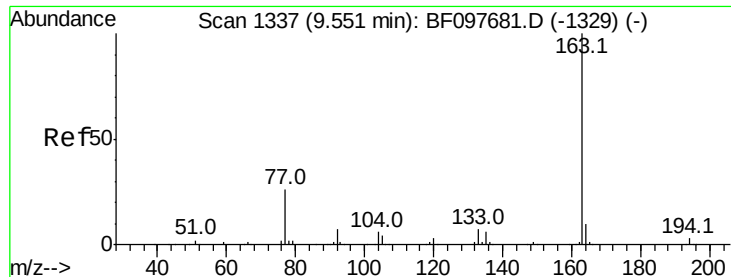


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

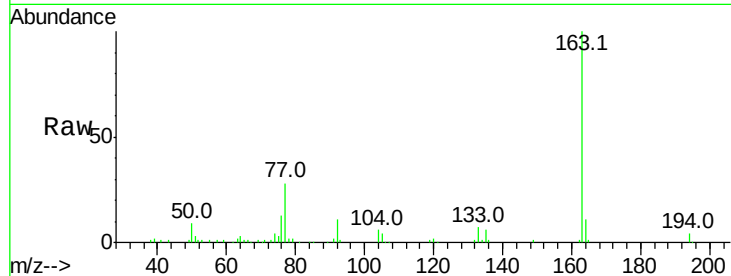




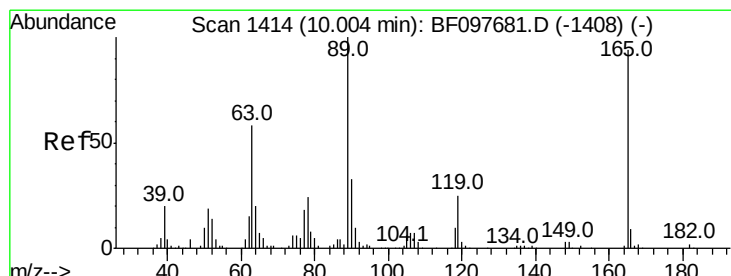
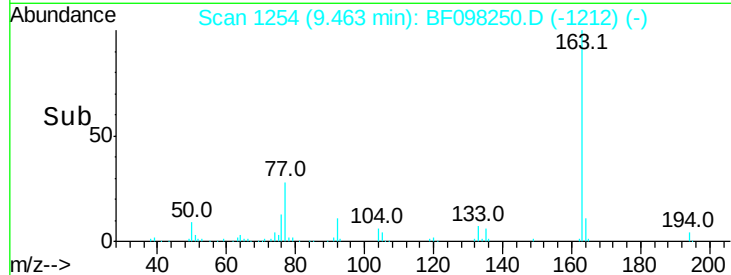
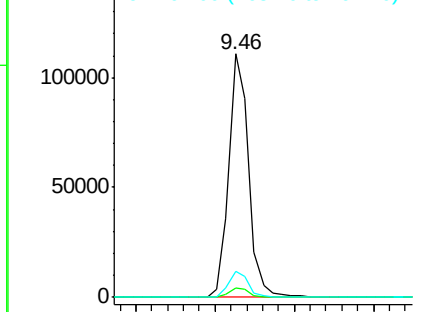
#49
 Dimethylphthalate
 Concen: 7.903 ng
 RT: 9.46 min Scan# 1254
 Delta R.T. -0.05 min
 Lab File: BF098250.D
 Acq: 2 Sep 2017 17:15

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.6	4.0
164	10.5	8.4	12.6



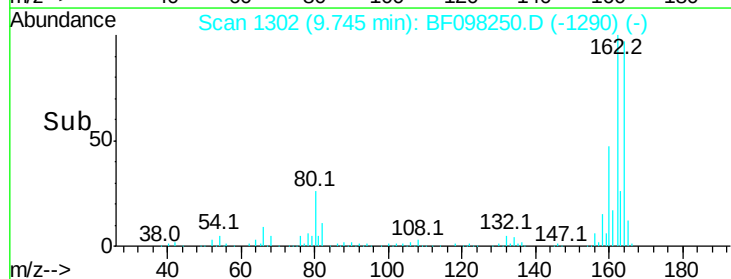
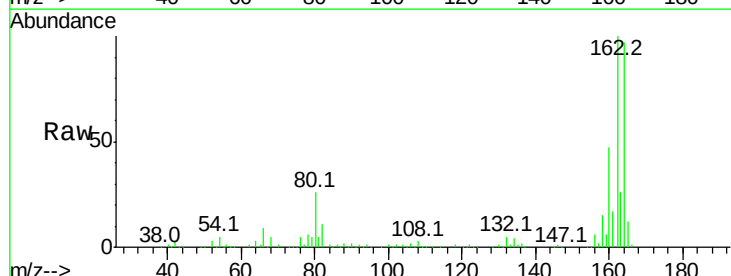
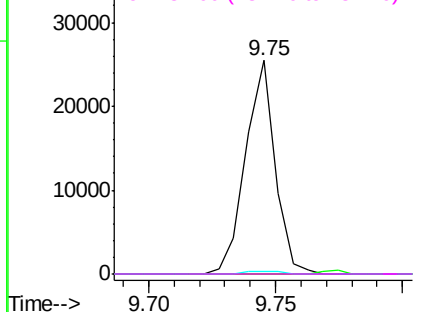
Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E

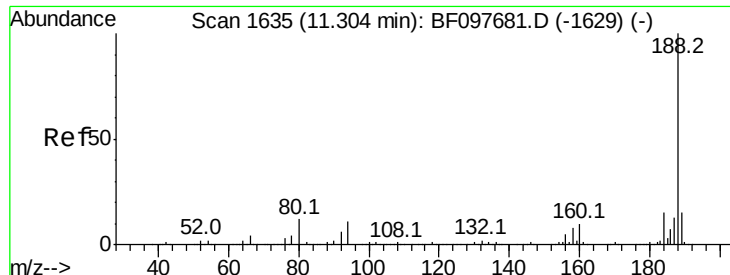


#56
 2,4-Dinitrotoluene
 Concen: 6.792 ng
 RT: 9.75 min Scan# 1302
 Delta R.T. -0.23 min
 Lab File: BF098250.D
 Acq: 2 Sep 2017 17:15

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	25.4	38.0#
89	1.4	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: 11.23 min Scan# 1554

Delta R.T. -0.04 min

Lab File: BF098250.D

Acq: 2 Sep 2017 17:15

Instrument :

BNA_F

ClientSampleId :

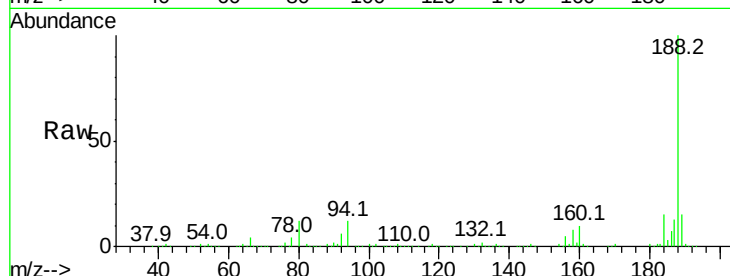
Tot Ion:188 Resp: 264626

Ion Ratio Lower Upper

188 100

94 11.7 9.4 14.2

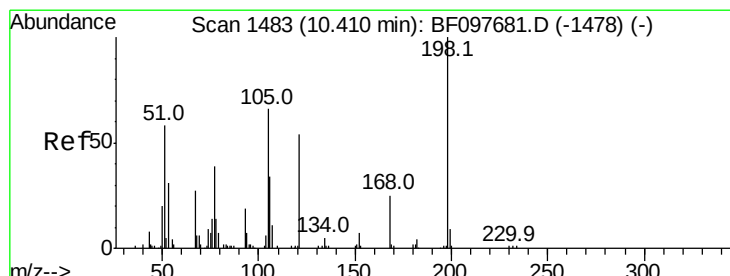
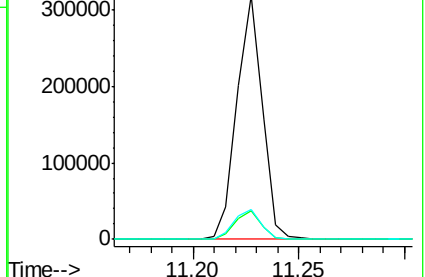
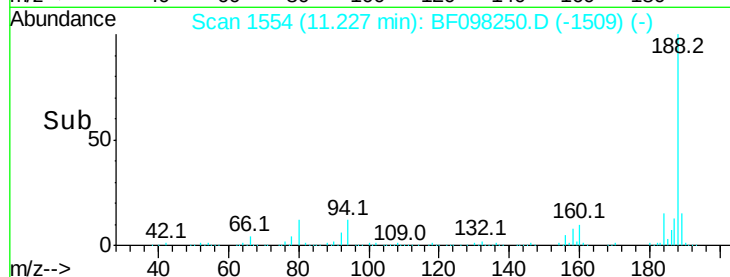
80 12.4 10.2 15.2



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: 8.534 ng

RT: 10.53 min Scan# 1436

Delta R.T. 0.15 min

Lab File: BF098250.D

Acq: 2 Sep 2017 17:15

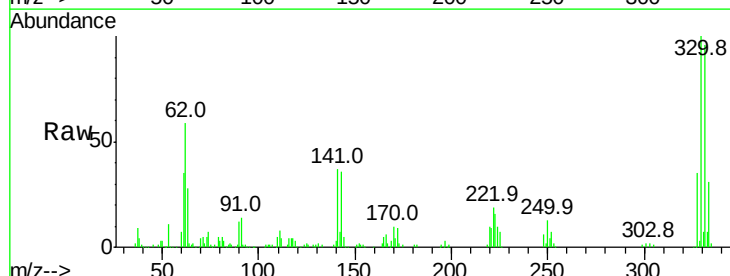
Tgt Ion:198 Resp: 322

Ion Ratio Lower Upper

198 100

51 141.6 53.2 93.2#

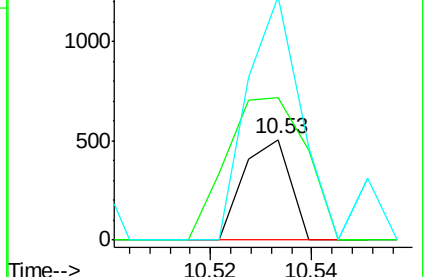
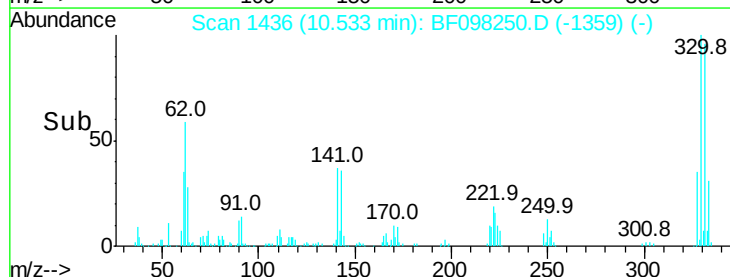
105 242.0 45.8 85.8#

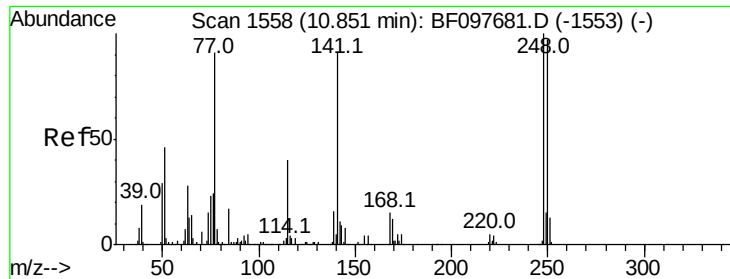


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF0

Ion 105.00 (104.70 to 105.70): E

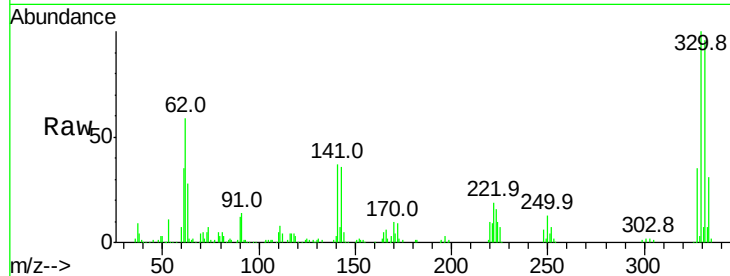




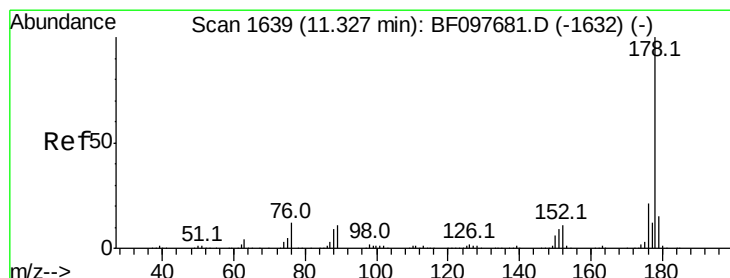
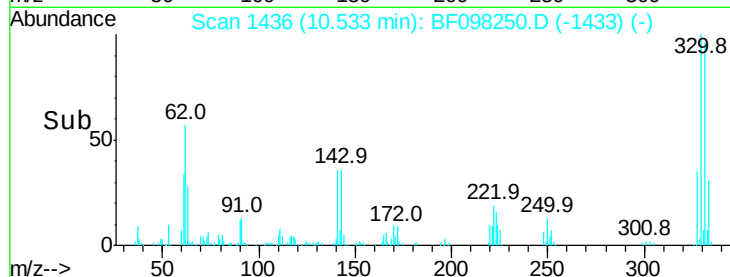
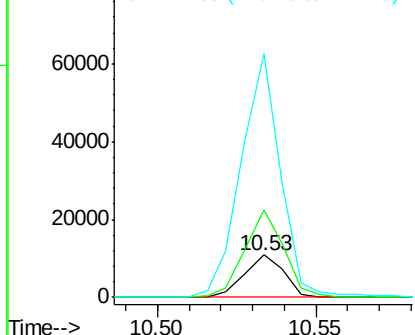
#66
4-Bromophenyl-phenylether
Concen: 3.416 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.28 min
Lab File: BF098250.D
Acq: 2 Sep 2017 17:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 9387
Ion Ratio Lower Upper
248 100
250 209.0 76.8 115.2#
141 579.3 68.6 103.0#

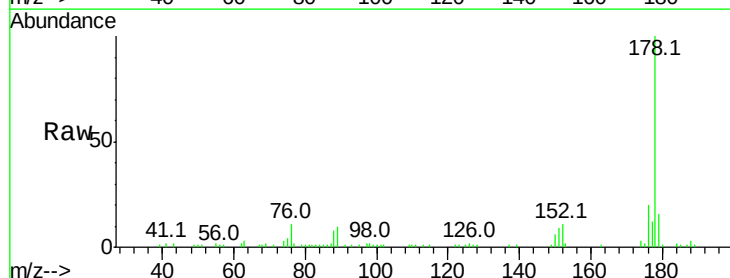


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

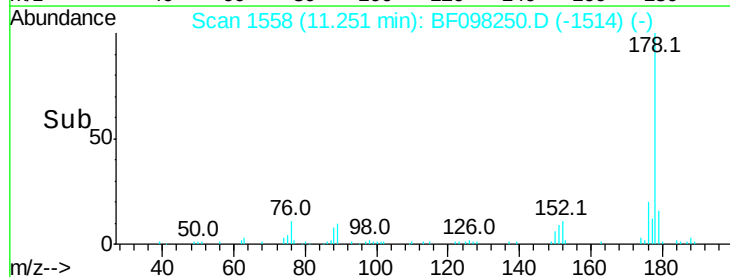
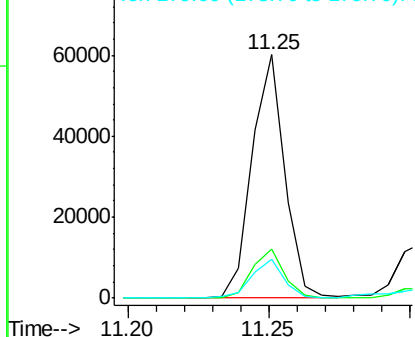


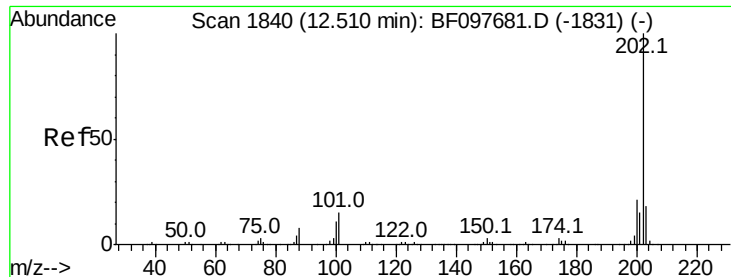
#70
Phenanthrene
Concen: 3.437 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.04 min
Lab File: BF098250.D
Acq: 2 Sep 2017 17:15

Tgt Ion:178 Resp: 48463
Ion Ratio Lower Upper
178 100
176 20.4 16.2 24.4
179 15.8 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

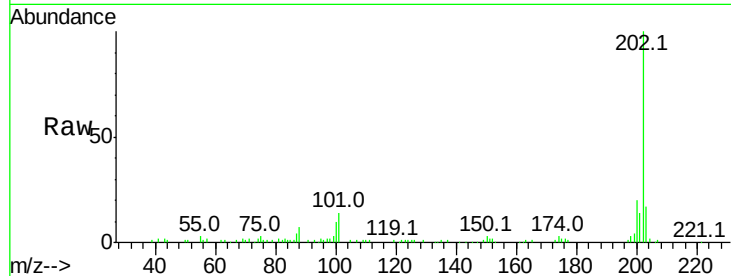




#74
Fluoranthene
Concen: 4.626 ng
RT: 12.43 min Scan# 1759
Delta R.T. -0.04 min
Lab File: BF098250.D
Acq: 2 Sep 2017 17:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
101	14.0	0.0	33.2
203	17.4	0.0	38.1

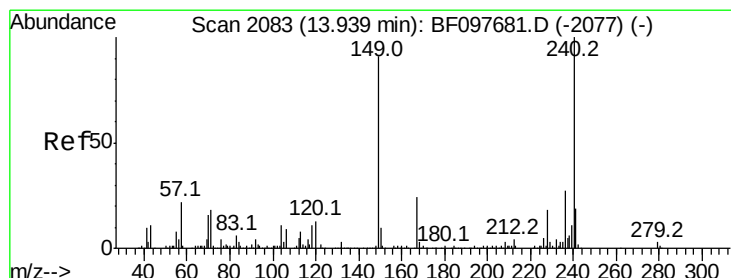
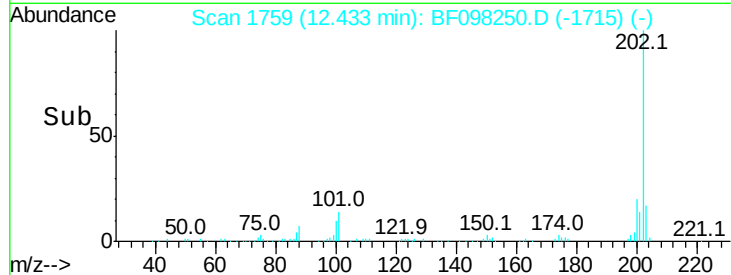
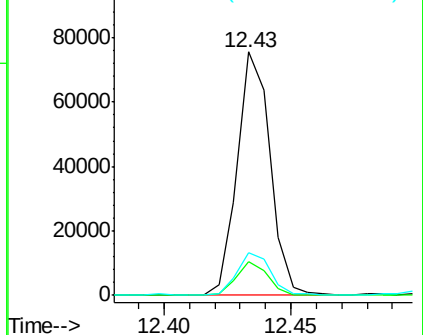


Abundance

Ion 202.00 (201.70 to 202.70): E

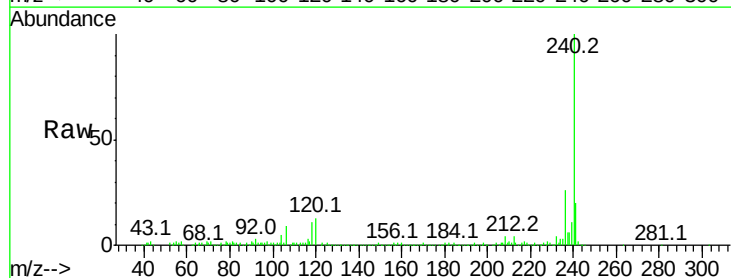
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.04 min
Lab File: BF098250.D
Acq: 2 Sep 2017 17:15

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.9	5.8	8.8#
236	26.2	20.5	30.7

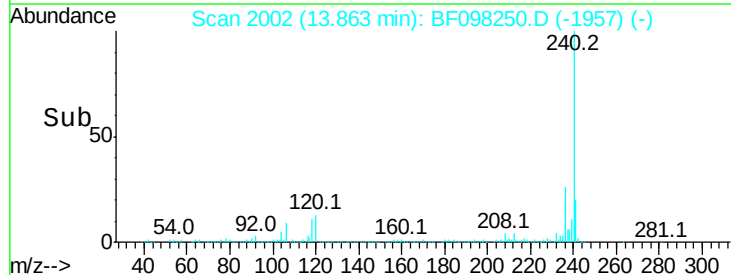
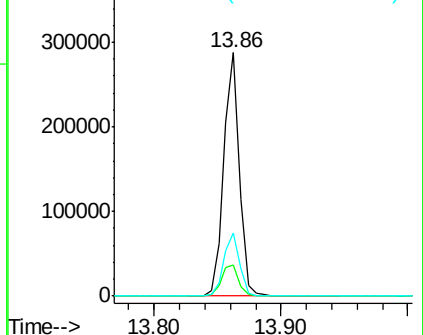


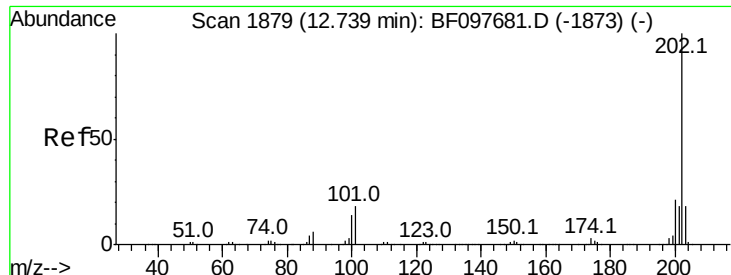
Abundance

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

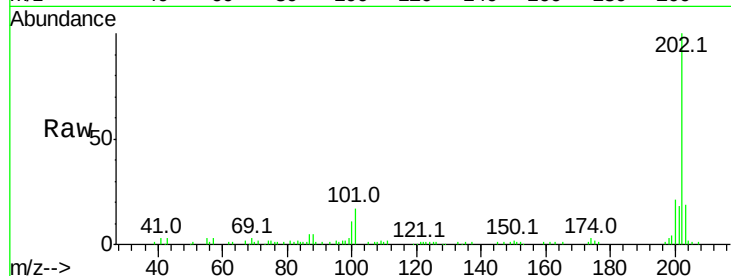




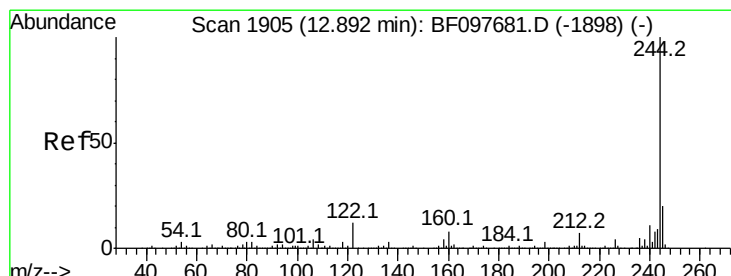
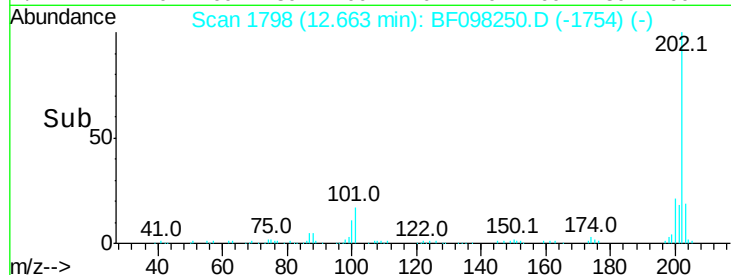
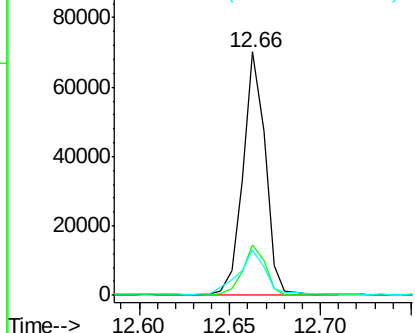
#77
Pvrene
Concen: 3.004 ng
RT: 12.66 min Scan# 1798
Delta R.T. -0.04 min
Lab File: BF098250.D
Acq: 2 Sep 2017 17:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 60612
Ion Ratio Lower Upper
202 100
200 20.8 17.6 26.4
203 18.8 14.4 21.6

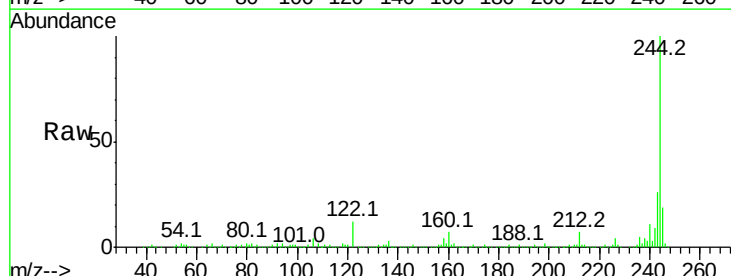


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

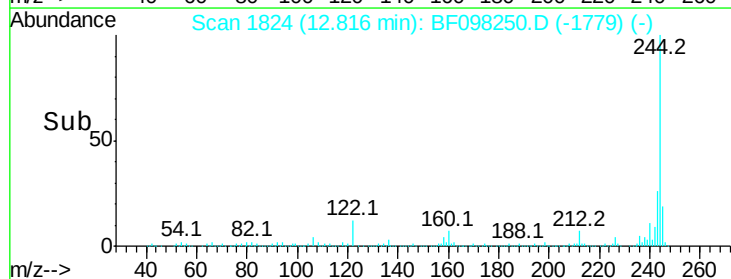
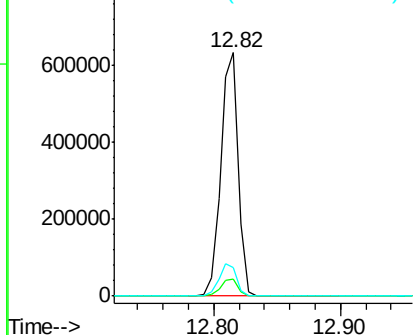


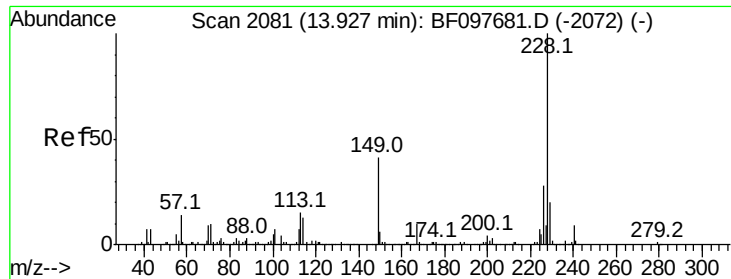
#78
Terphenyl-d14
Concen: 51.025 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.04 min
Lab File: BF098250.D
Acq: 2 Sep 2017 17:15

Tgt Ion:244 Resp: 603619
Ion Ratio Lower Upper
244 100
212 7.1 6.0 9.0
122 12.0 10.3 15.5



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.436 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.04 min

Lab File: BF098250.D

Acq: 2 Sep 2017 17:15

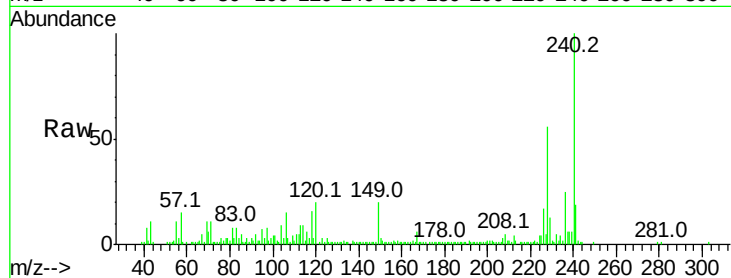
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 36017

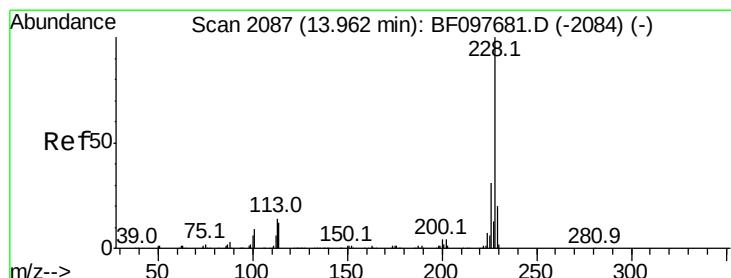
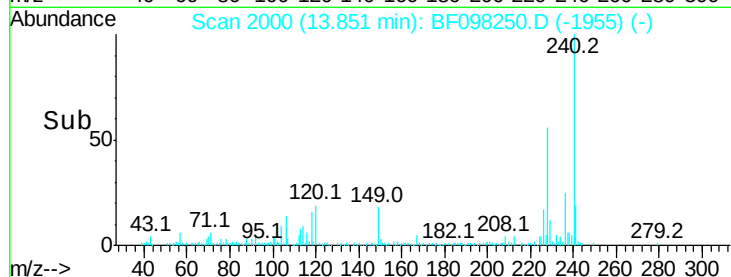
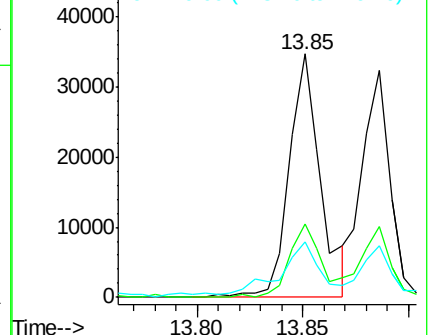
Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.6	33.8
229	23.0	16.3	24.5



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 2.050 ng

RT: 13.89 min Scan# 2006

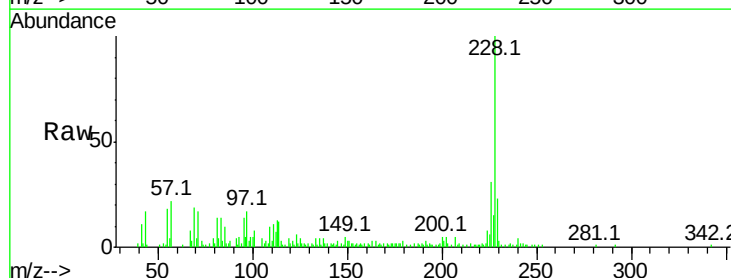
Delta R.T. -0.04 min

Lab File: BF098250.D

Acq: 2 Sep 2017 17:15

Tgt Ion:228 Resp: 30149

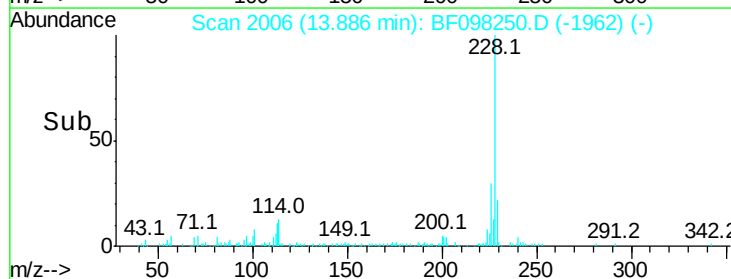
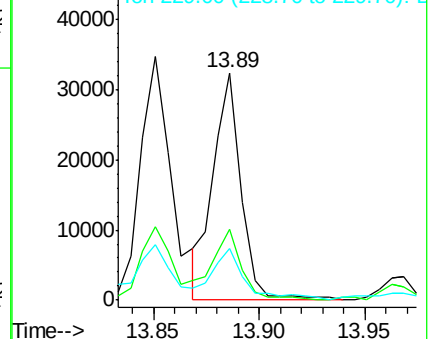
Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.9	37.3
229	22.7	15.8	23.6

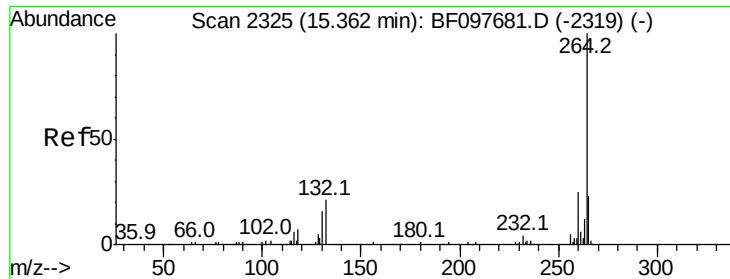


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

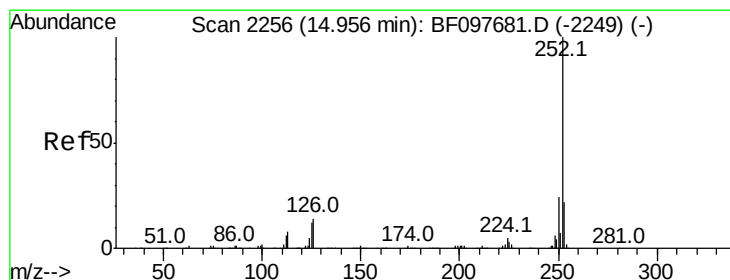
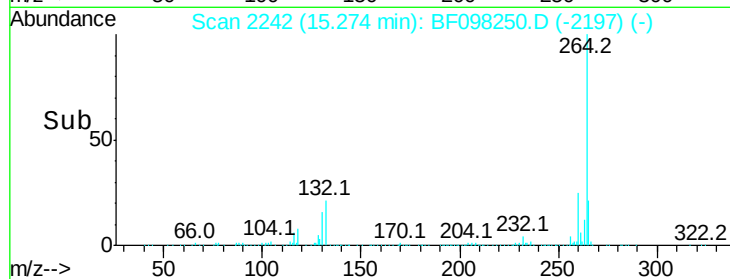
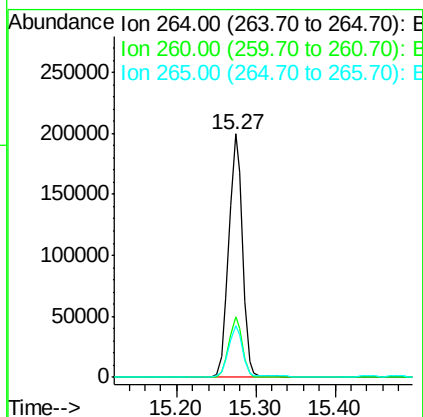
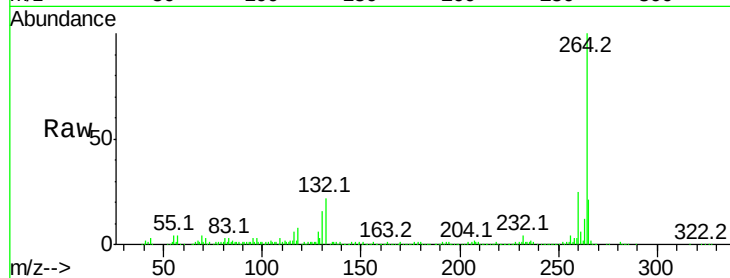




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.04 min
Lab File: BF098250.D
Acq: 2 Sep 2017 17:15

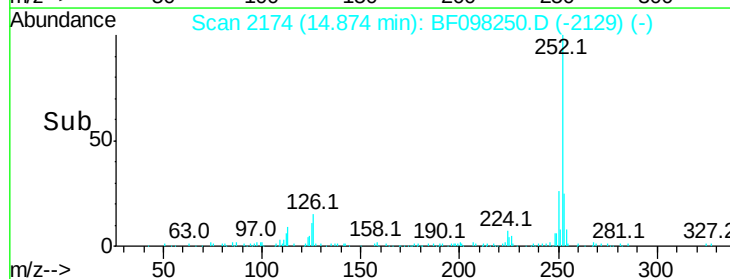
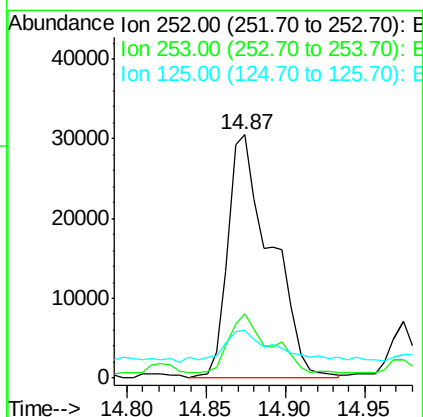
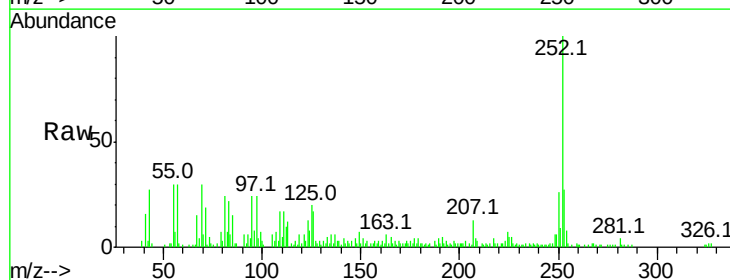
Instrument :
BNA_F
ClientSampleId :

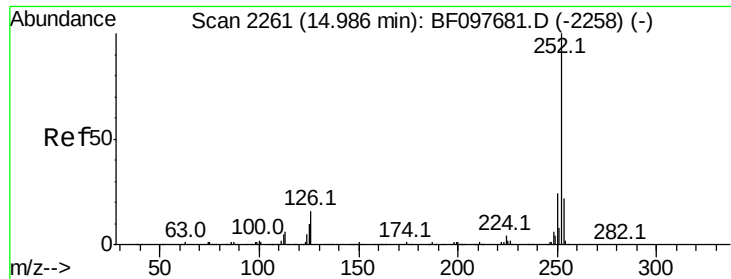
Tot Ion:264 Resp: 242040
Ion Ratio Lower Upper
264 100
260 24.9 19.5 29.3
265 21.3 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 3.777 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.04 min
Lab File: BF098250.D
Acq: 2 Sep 2017 17:15

Tgt Ion:252 Resp: 57626
Ion Ratio Lower Upper
252 100
253 26.7 18.1 27.1
125 19.7 9.8 14.8#

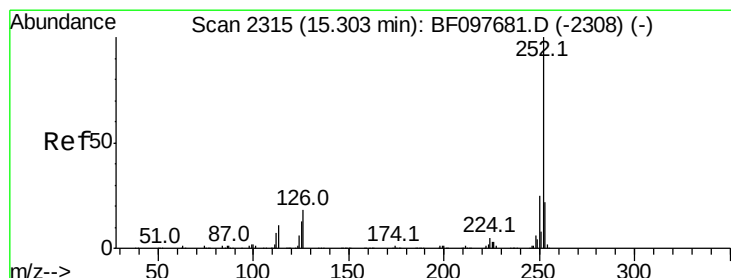
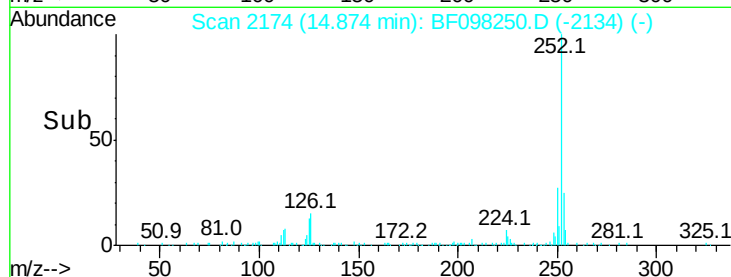
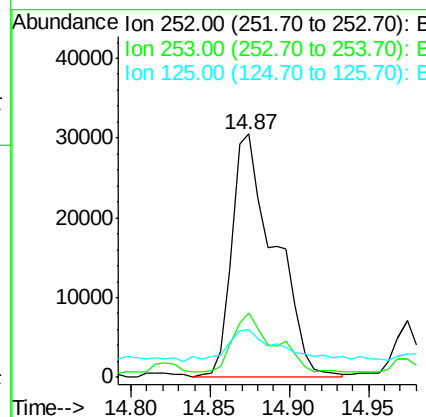
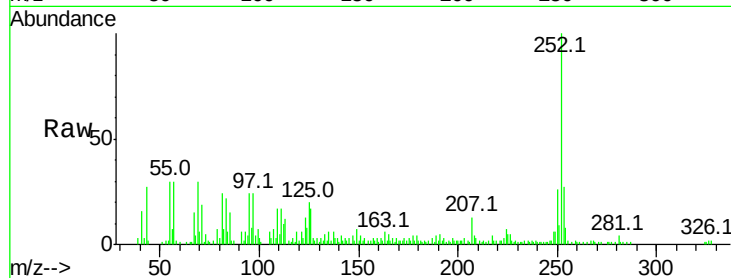




#88
Benzo(k)fluoranthene
Concen: 4.020 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.06 min
Lab File: BF098250.D
Acq: 2 Sep 2017 17:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 57626
Ion Ratio Lower Upper
252 100
253 26.7 18.4 27.6
125 19.7 13.1 19.7



#89
Benzo(a)pyrene
Concen: 2.226 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.04 min
Lab File: BF098250.D
Acq: 2 Sep 2017 17:15

Tgt Ion:252 Resp: 30061
Ion Ratio Lower Upper
252 100
253 25.1 17.5 26.3
125 18.9 11.0 16.4

