

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070517\
 Data File : BF096509.D
 Acq On : 6 Jul 2017 3:47
 Operator : SJ/MA
 Sample : I3975-01
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

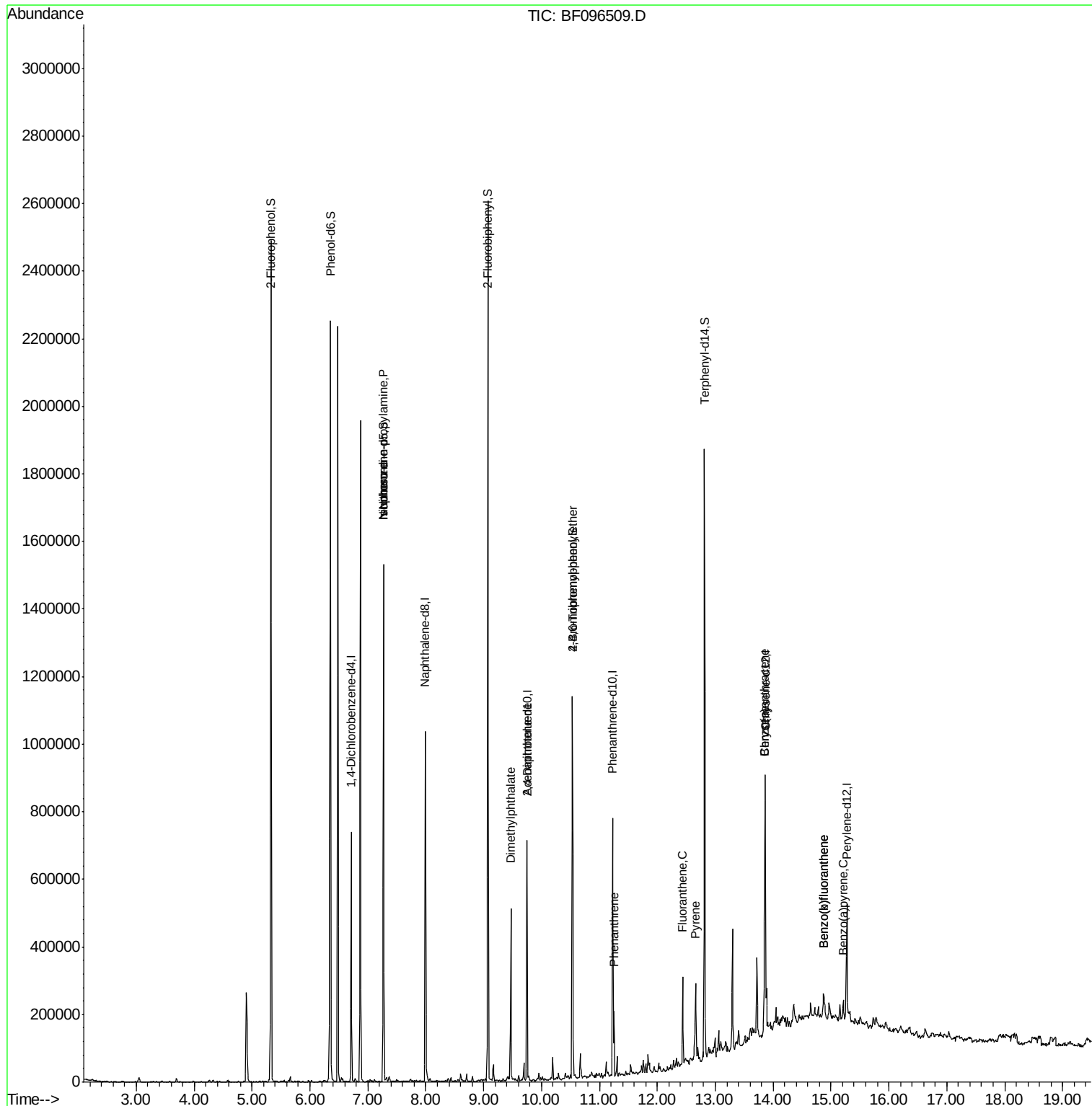
Quant Time: Jul 06 04:43:37 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 05 13:27:10 2017
 Response via : Initial Calibration

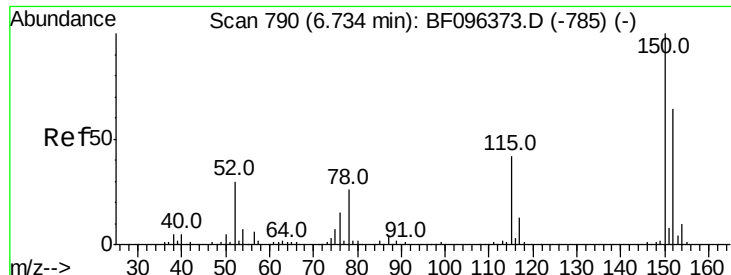
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	112975	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	470539	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	144999	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	248646	20.00	ng	0.00
75) Chrysene-d12	13.86	240	234136	20.00	ng	0.00
86) Perylene-d12	15.27	264	149916	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	668055	87.28	ng	0.00
7) Phenol-d6	6.35	99	800034	85.02	ng	0.00
23) Nitrobenzene-d5	7.27	82	438188	55.96	ng	0.00
41) 2,4,6-Tribromophenol	10.53	330	116679	103.02	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	761928	89.84	ng	0.00
78) Terphenyl-d14	12.82	244	527209	48.12	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.27	70	58054	10.36	ng	# 86
25) Isophorone	7.27	82	436644	28.76	ng	# 67
49) Dimethylphthalate	9.47	163	214608	19.83	ng	99
56) 2,4-Dinitrotoluene	9.75	165	19626	6.47	ng	# 31
66) 4-Bromophenyl-phenylether	10.53	248	7587	3.13	ng	# 1
70) Phenanthrene	11.25	178	61091	4.55	ng	98
74) Fluoranthene	12.44	202	97359	7.39	ng	99
77) Pyrene	12.66	202	91196	4.85	ng	98
80) Benzo(a)anthracene	13.85	228	44886	3.31	ng	93
82) Chrysene	13.85	228	44886	3.16	ng	96
87) Benzo(b)fluoranthene	14.87	252	50978	5.43	ng	# 90
88) Benzo(k)fluoranthene	14.87	252	50978	6.07	ng	94
89) Benzo(a)pyrene	15.21	252	24141	2.88	ng	# 86

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

```
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Misc      :  
ALS Vial  : 37    Sample Multiplier: 1
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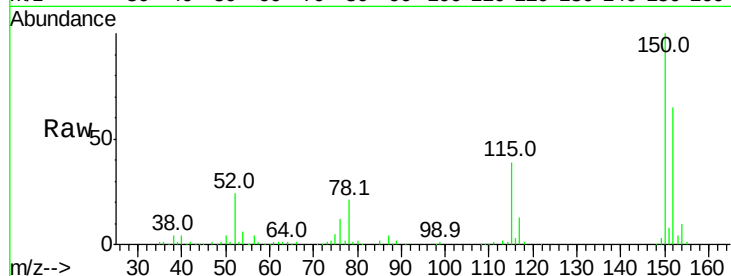


#1

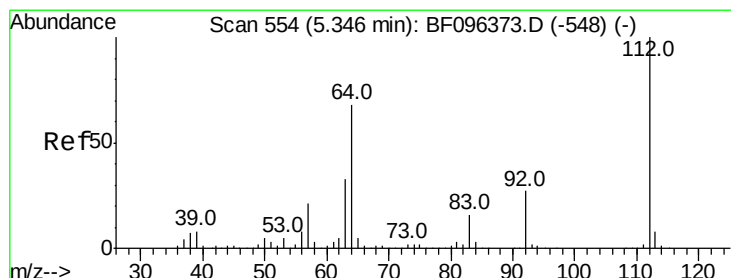
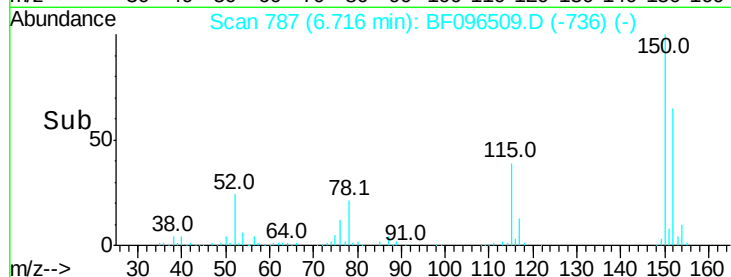
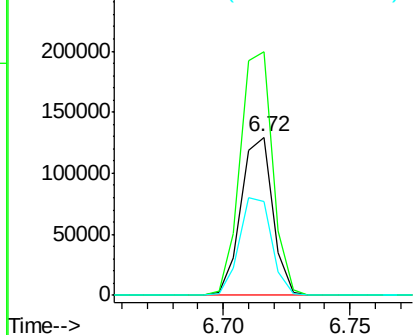
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.72 min Scan# 787
 Delta R.T. -0.00 min
 Lab File: BF096509.D
 Acq: 6 Jul 2017 3:47

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 112975
 Ion Ratio Lower Upper
 152 100
 150 153.7 126.2 189.2
 115 59.7 52.2 78.2



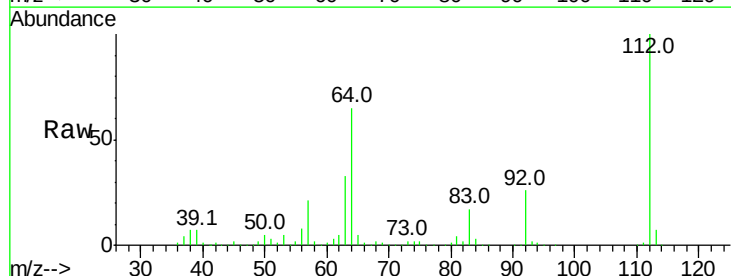
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



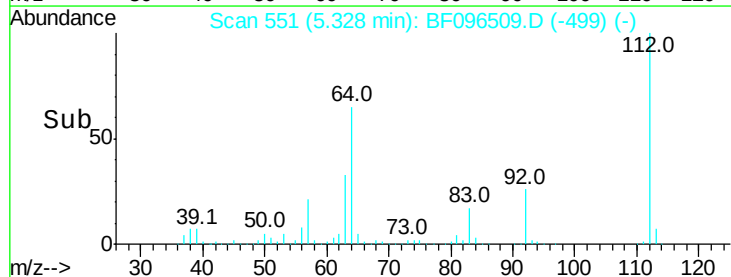
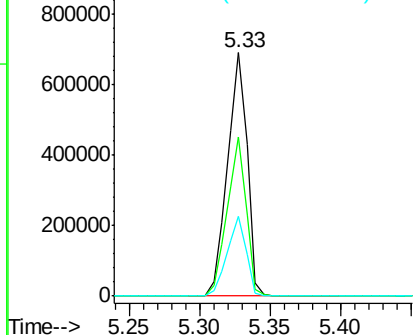
#5

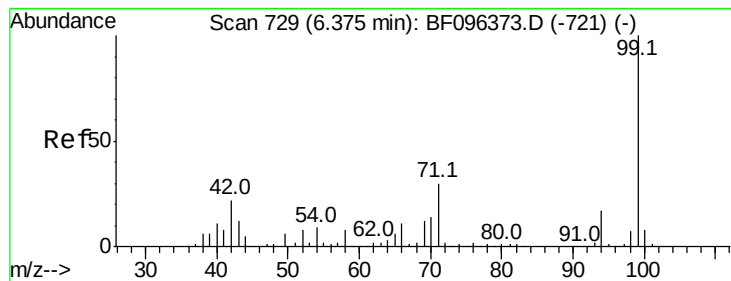
2-Fluorophenol
 Concen: 87.28 ng
 RT: 5.33 min Scan# 551
 Delta R.T. 0.01 min
 Lab File: BF096509.D
 Acq: 6 Jul 2017 3:47

Tgt Ion:112 Resp: 668055
 Ion Ratio Lower Upper
 112 100
 64 65.2 46.0 69.0
 63 33.0 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: 85.02 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF096509.D

Acq: 6 Jul 2017 3:47

Instrument :

BNA_F

ClientSampled :

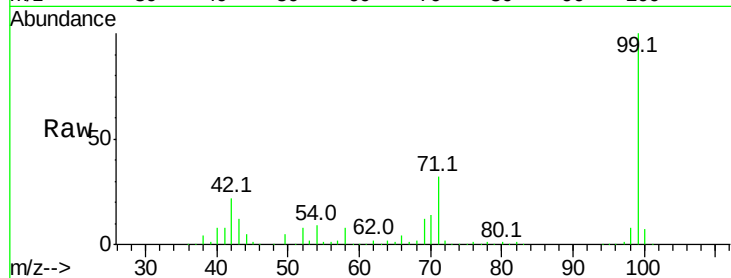
Tot Ion: 99 Resp: 800034

Ion Ratio Lower Upper

99 100

42 21.7 13.5 20.3#

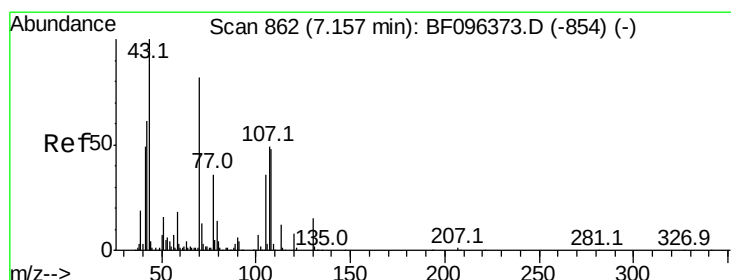
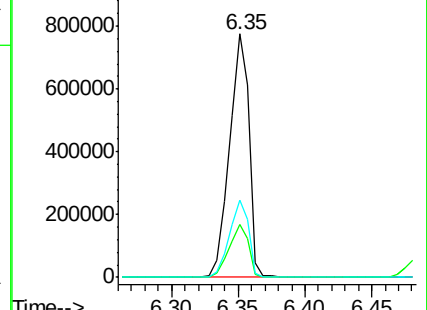
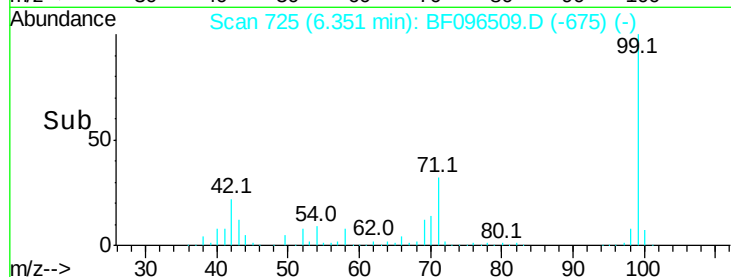
71 31.8 24.5 36.7



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: 10.36 ng

RT: 7.27 min Scan# 882

Delta R.T. 0.14 min

Lab File: BF096509.D

Acq: 6 Jul 2017 3:47

Tgt Ion: 70 Resp: 58054

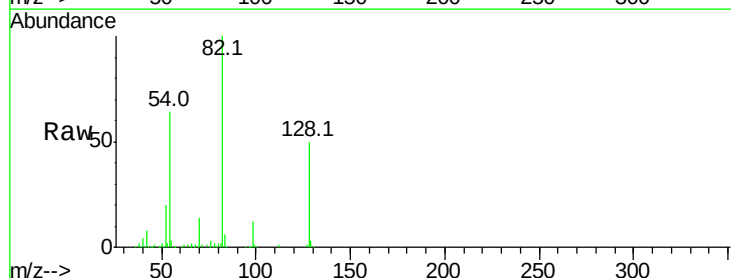
Ion Ratio Lower Upper

70 100

42 56.0 47.2 70.8

101 0.0 7.2 10.8#

130 2.0 15.9 23.9#

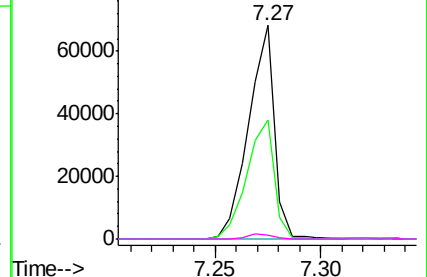
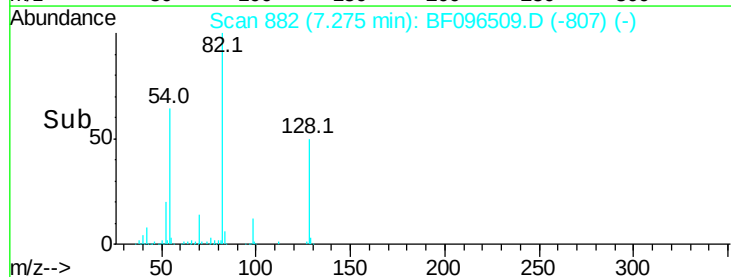


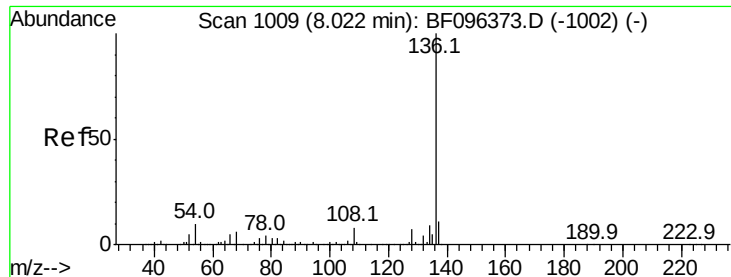
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

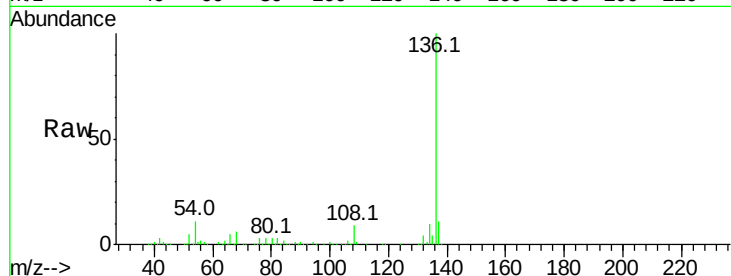




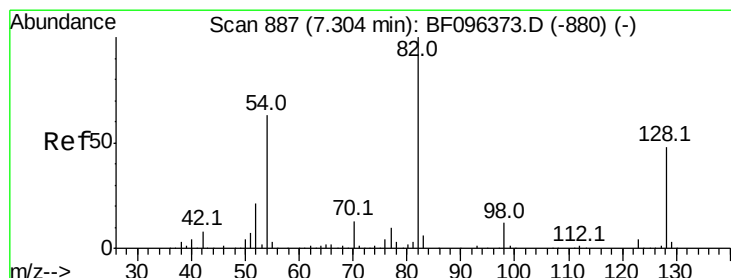
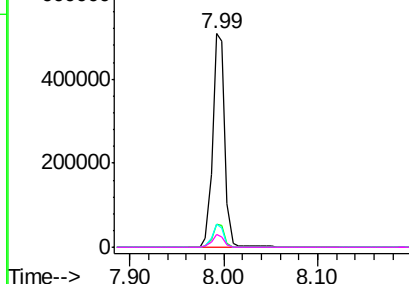
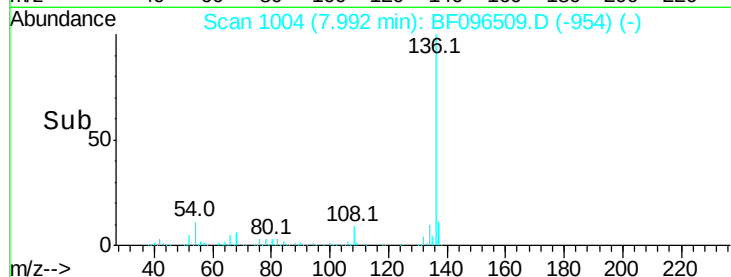
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF096509.D
Acq: 6 Jul 2017 3:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	470539
Ion Ratio	Lower	Upper
136	100	
137	10.8	8.5 12.7
54	11.1	4.9 7.3#
68	6.1	4.1 6.1

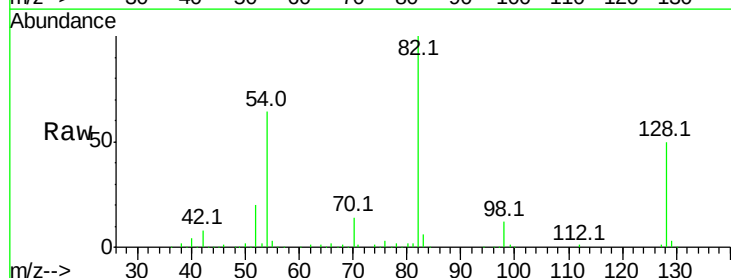


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

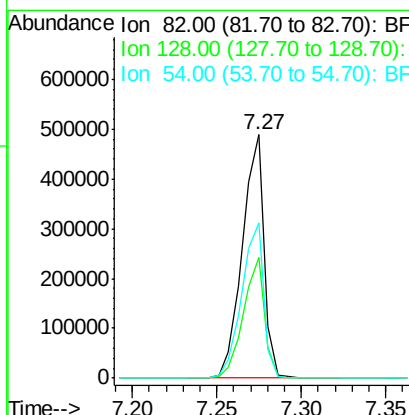
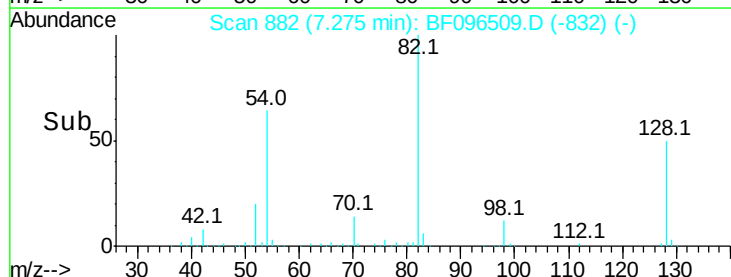


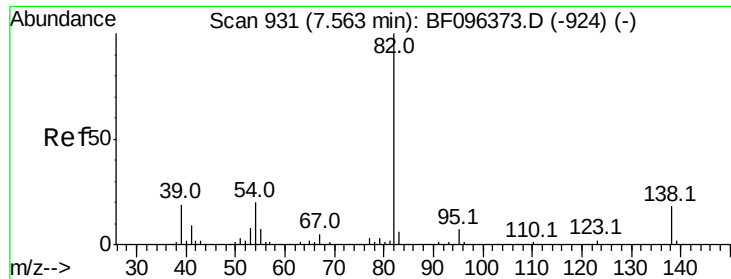
#23
Nitrobenzene-d5
Concen: 55.96 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF096509.D
Acq: 6 Jul 2017 3:47

Tgt Ion: 82	Resp:	438188
Ion Ratio	Lower	Upper
82	100	
128	49.6	34.0 51.0
54	63.9	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: 28.76 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.26 min

Lab File: BF096509.D

Acq: 6 Jul 2017 3:47

Instrument :

BNA_F

ClientSampleId :

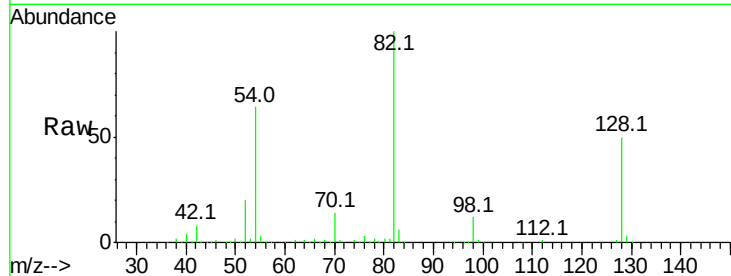
Tot Ion: 82 Resp: 436644

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

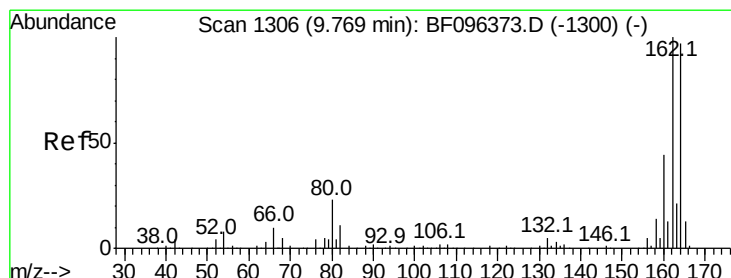
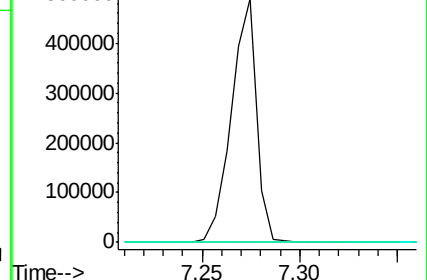
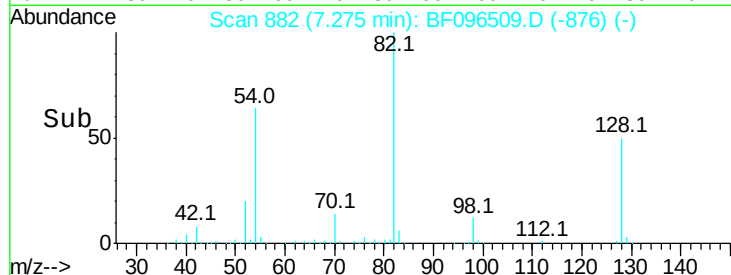
138 0.0 13.1 19.7#



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): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF096509.D

Acq: 6 Jul 2017 3:47

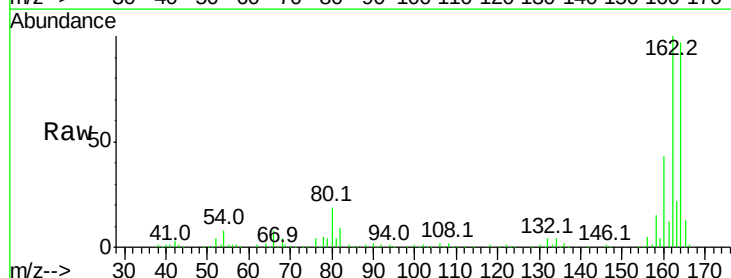
Tgt Ion:164 Resp: 144999

Ion Ratio Lower Upper

164 100

162 103.4 82.6 123.8

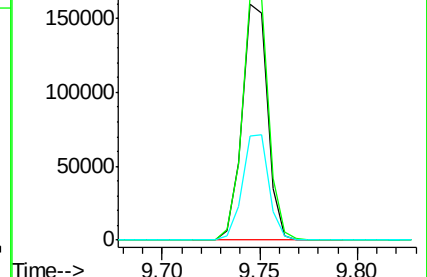
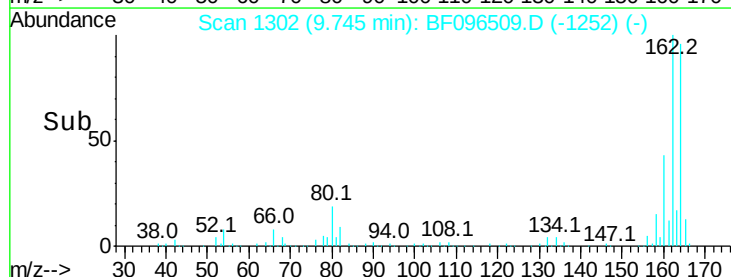
160 44.4 36.2 54.2

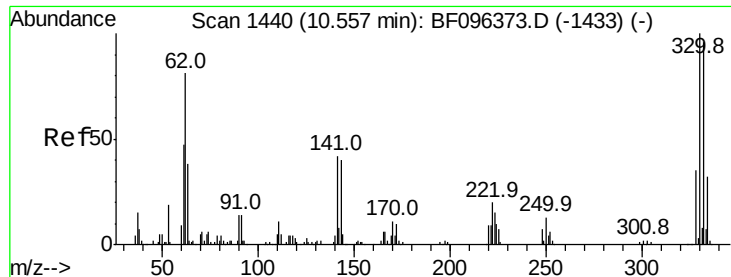


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

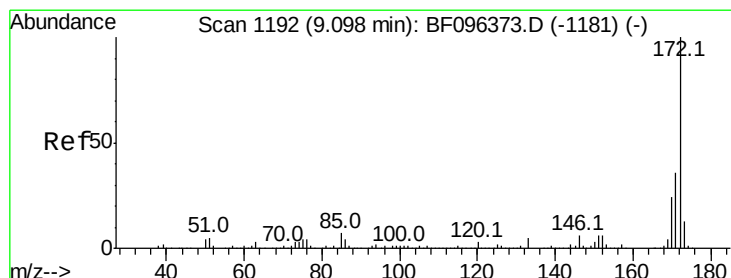
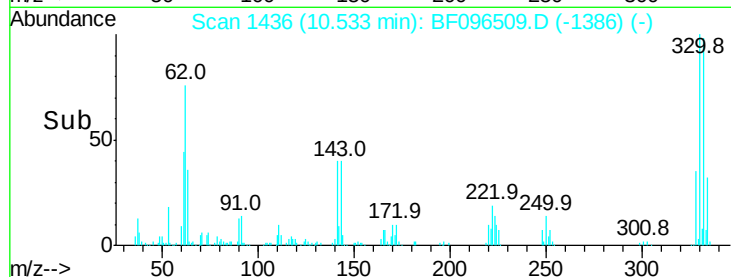
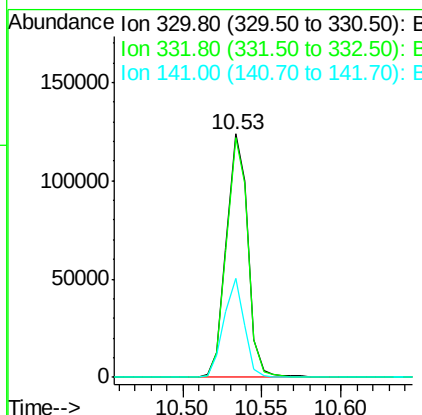
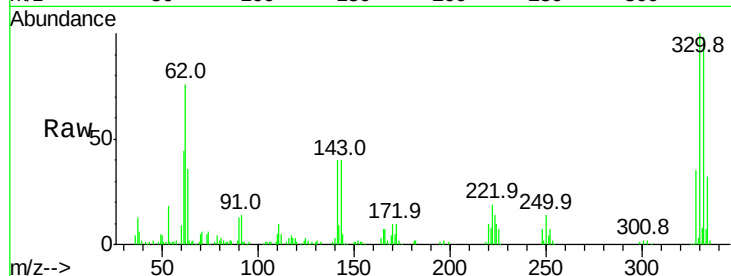




#41
 2,4,6-Tribromophenol
 Concen: 103.02 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. -0.01 min
 Lab File: BF096509.D
 Acq: 6 Jul 2017 3:47

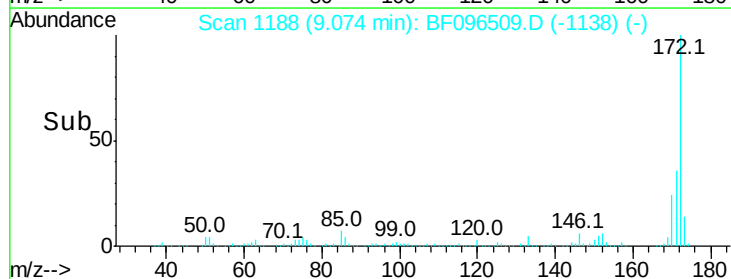
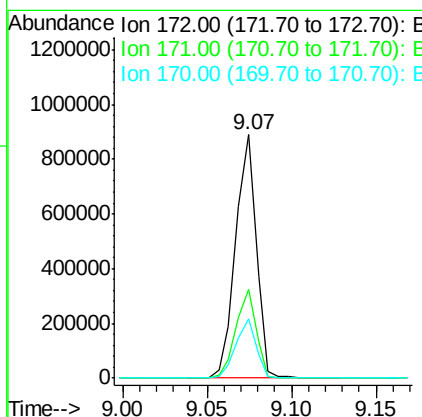
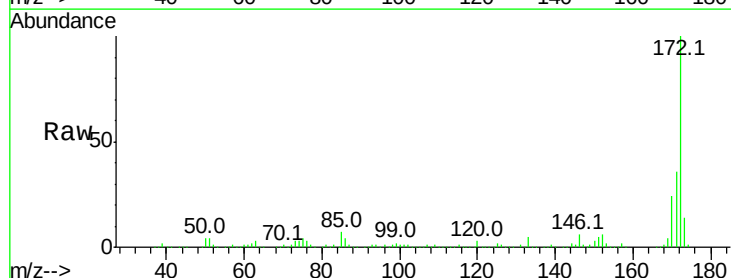
Instrument :
 BNA_F
 ClientSampled :

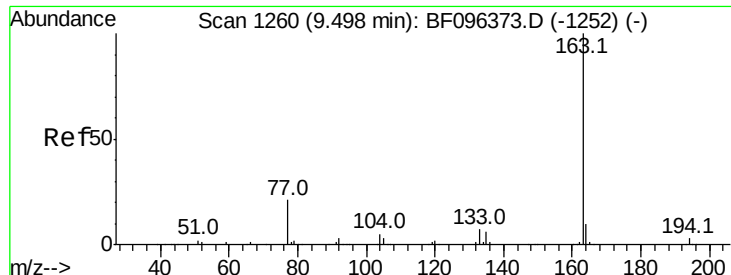
Tot Ion:330 Resp: 116679
 Ion Ratio Lower Upper
 330 100
 332 98.2 76.6 115.0
 141 39.4 31.4 47.2



#44
 2-Fluorobiphenyl
 Concen: 89.84 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF096509.D
 Acq: 6 Jul 2017 3:47

Tgt Ion:172 Resp: 761928
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.6 44.4
 170 24.1 19.8 29.8

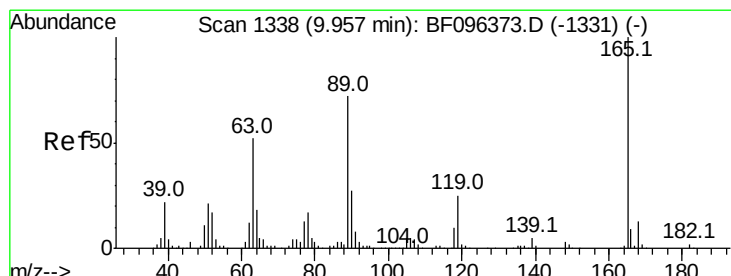
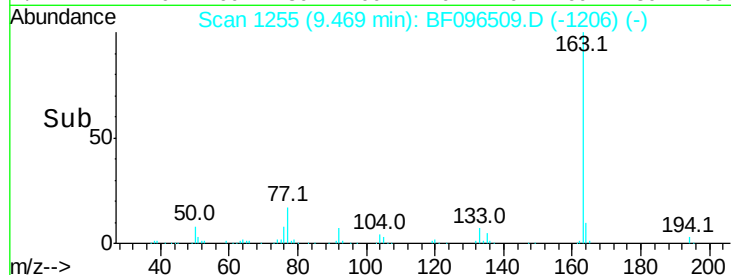
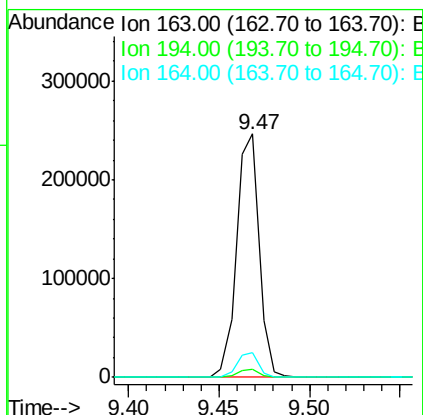
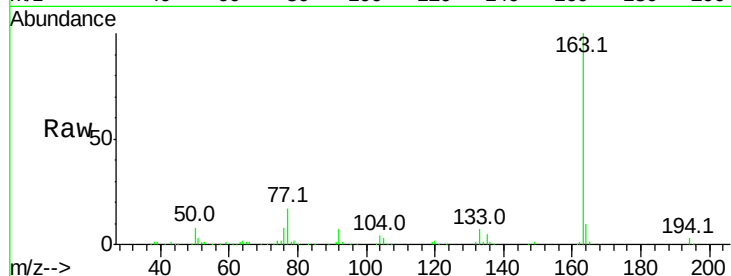




#49
Dimethylphthalate
Concen: 19.83 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF096509.D
Acq: 6 Jul 2017 3:47

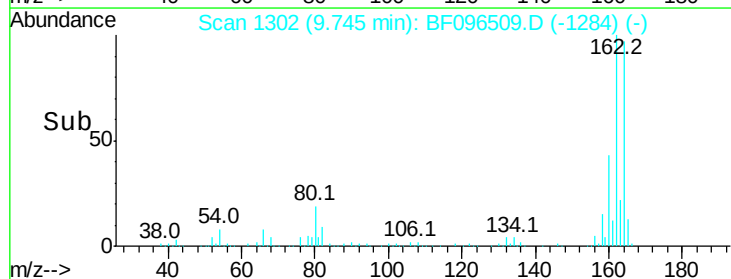
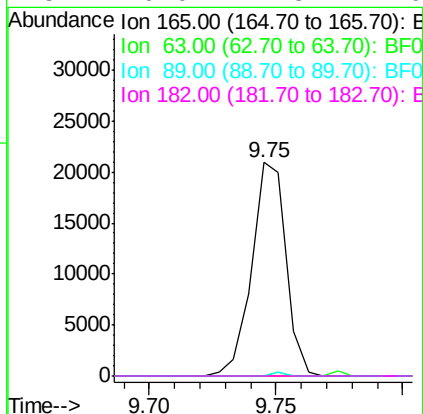
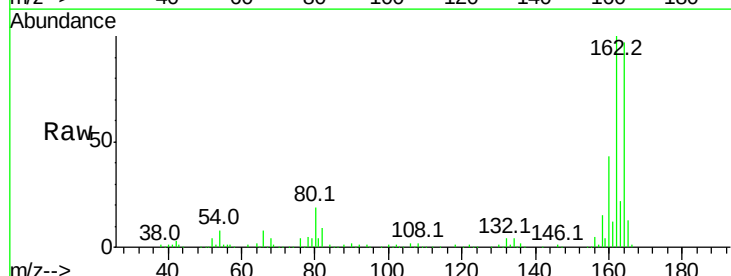
Instrument :
BNA_F
ClientSampleId :

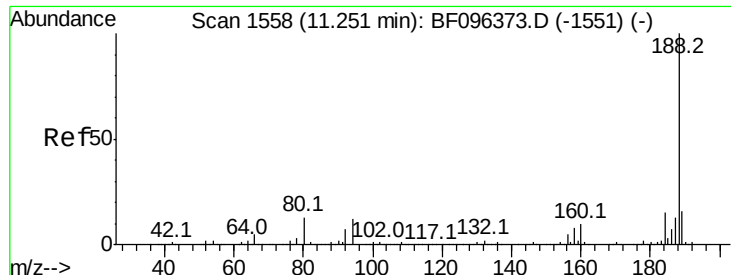
Tot Ion:163 Resp: 214608
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 10.3 8.4 12.6



#56
2,4-Dinitrotoluene
Concen: 6.47 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.19 min
Lab File: BF096509.D
Acq: 6 Jul 2017 3:47

Tgt Ion:165 Resp: 19626
Ion Ratio Lower Upper
165 100
63 0.0 25.4 38.0#
89 0.0 46.4 69.6#
182 0.0 1.8 2.6#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.23 min Scan# 1554

Delta R.T. -0.01 min

Lab File: BF096509.D

Acq: 6 Jul 2017 3:47

Instrument :

BNA_F

ClientSampleId :

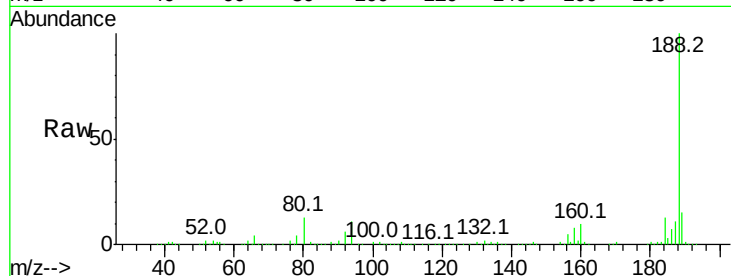
Tot Ion:188 Resp: 248646

Ion	Ratio	Lower	Upper
188	100		
94	11.4	9.4	14.2
80	12.6	10.2	15.2

188 100

94 11.4 9.4 14.2

80 12.6 10.2 15.2

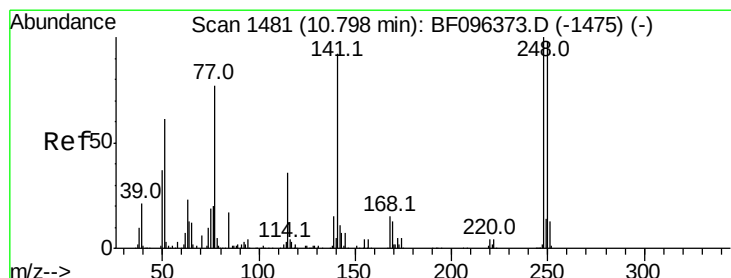
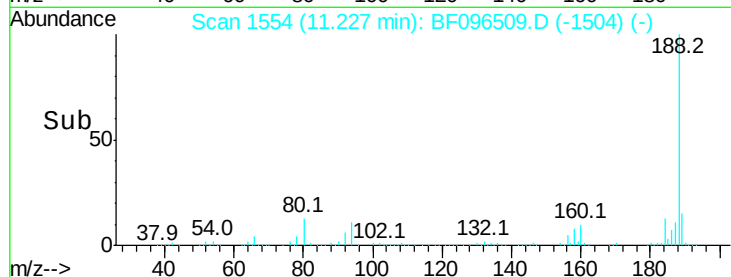


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

Time-->



#66

4-Bromophenyl-phenylether

Concen: 3.13 ng

RT: 10.53 min Scan# 1436

Delta R.T. -0.25 min

Lab File: BF096509.D

Acq: 6 Jul 2017 3:47

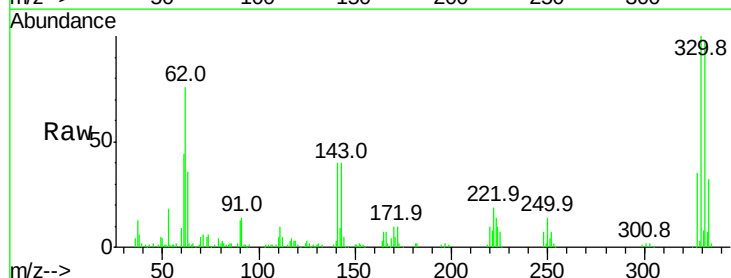
Tgt Ion:248 Resp: 7587

Ion	Ratio	Lower	Upper
248	100		
250	206.4	76.8	115.2#
141	615.2	68.6	103.0#

248 100

250 206.4 76.8 115.2#

141 615.2 68.6 103.0#

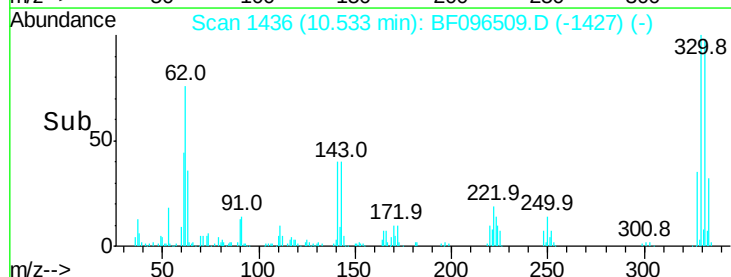


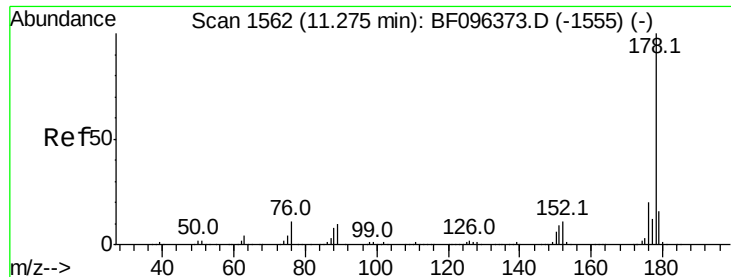
Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

Time-->





#70

Phenanthrene

Concen: 4.55 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.01 min

Lab File: BF096509.D

Acq: 6 Jul 2017 3:47

Instrument :

BNA_F

ClientSampled :

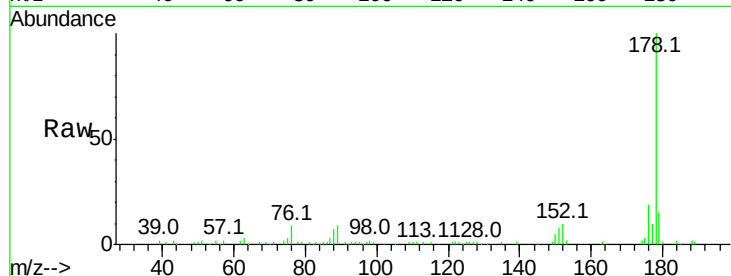
Tot Ion:178 Resp: 61091

Ion Ratio Lower Upper

178 100

176 19.4 16.2 24.4

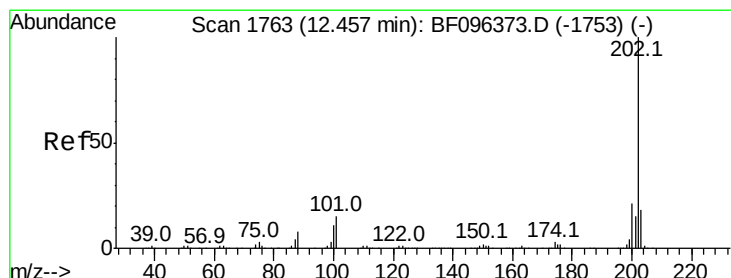
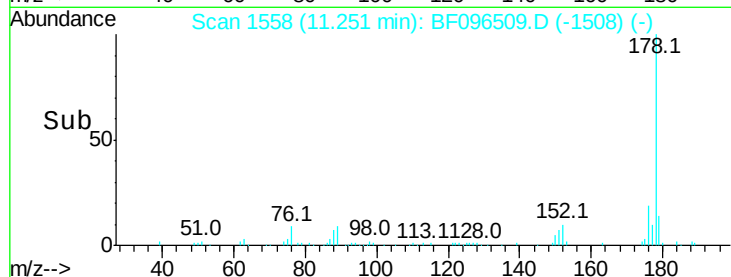
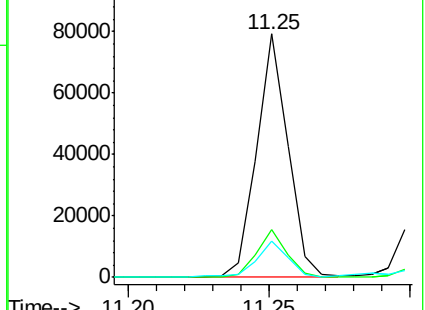
179 14.7 12.6 19.0



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: 7.39 ng

RT: 12.44 min Scan# 1760

Delta R.T. -0.00 min

Lab File: BF096509.D

Acq: 6 Jul 2017 3:47

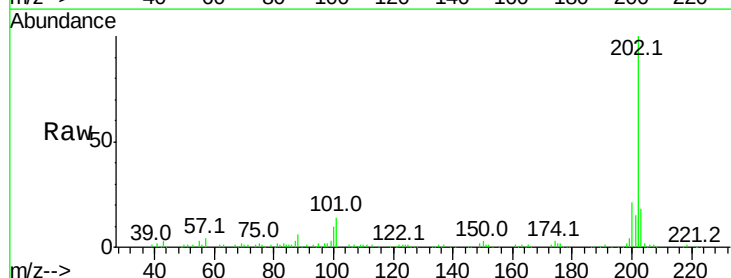
Tgt Ion:202 Resp: 97359

Ion Ratio Lower Upper

202 100

101 13.8 0.0 33.2

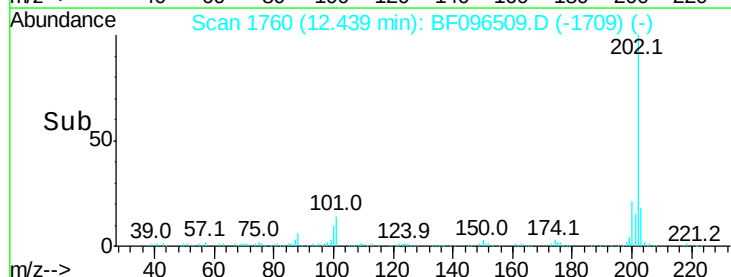
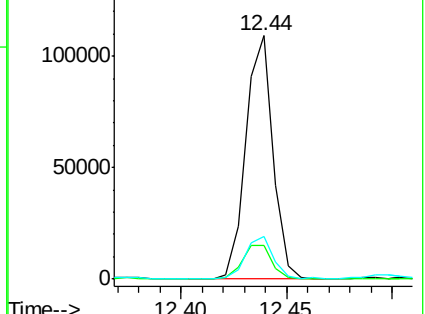
203 17.6 0.0 38.1

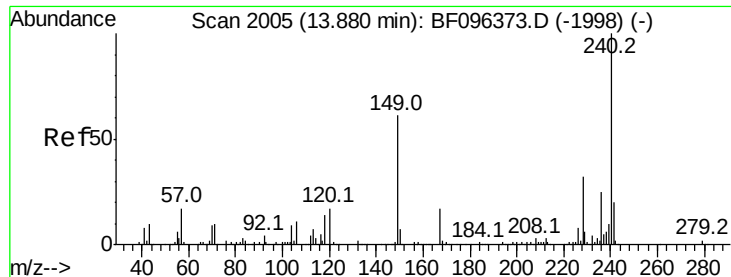


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF096509.D

Acq: 6 Jul 2017 3:47

Instrument :

BNA_F

ClientSampleId :

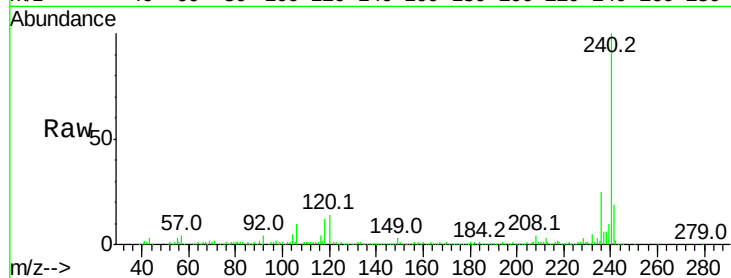
Tot Ion:240 Resp: 234136

Ion Ratio Lower Upper

240 100

120 14.4 5.8 8.8#

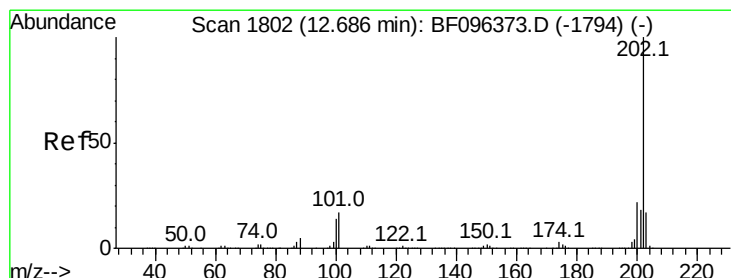
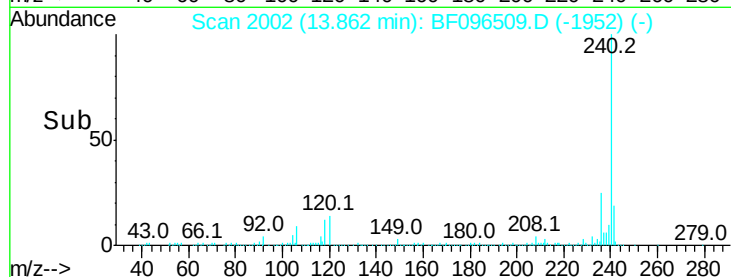
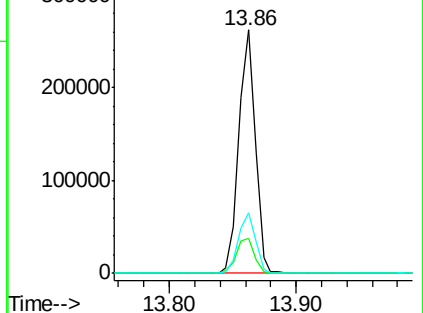
236 24.9 20.5 30.7



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 4.85 ng

RT: 12.66 min Scan# 1798

Delta R.T. -0.01 min

Lab File: BF096509.D

Acq: 6 Jul 2017 3:47

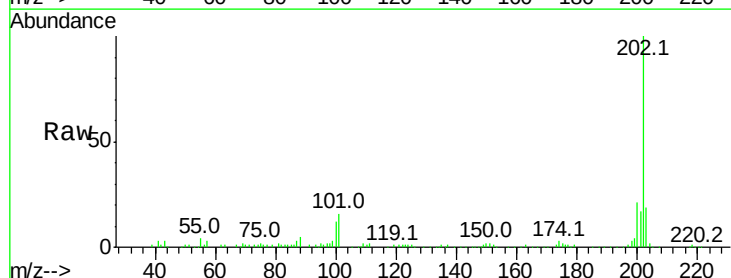
Tgt Ion:202 Resp: 91196

Ion Ratio Lower Upper

202 100

200 20.8 17.6 26.4

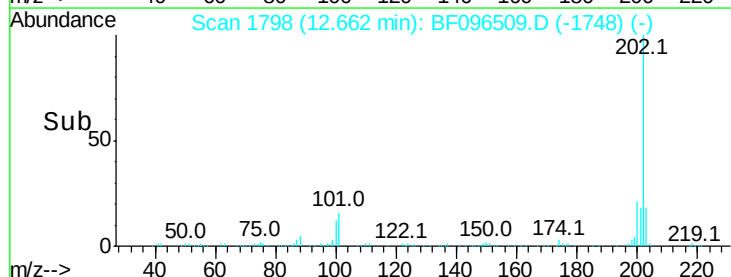
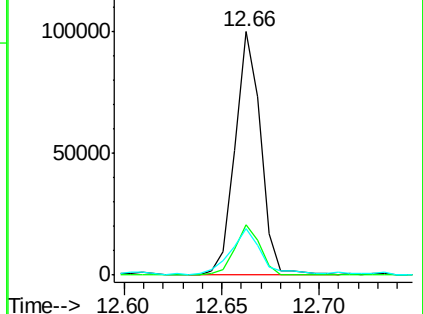
203 18.9 14.4 21.6

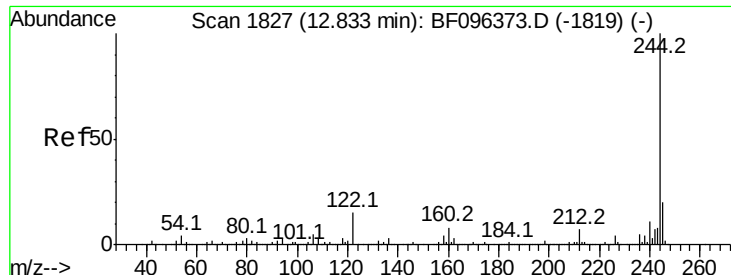


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

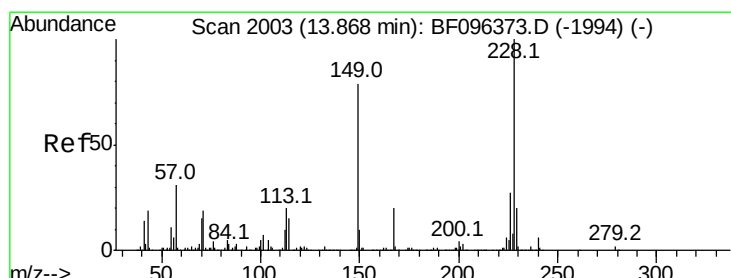
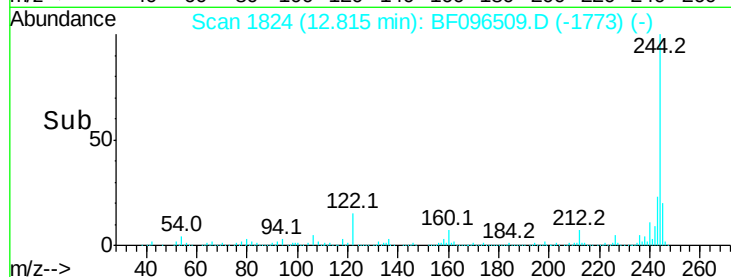
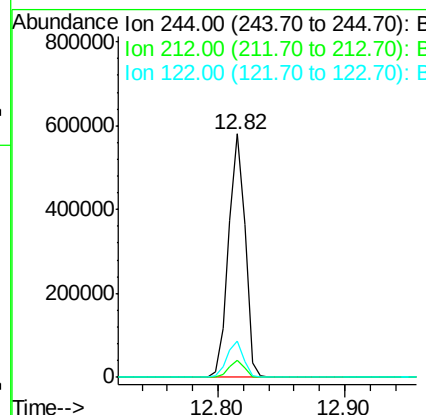
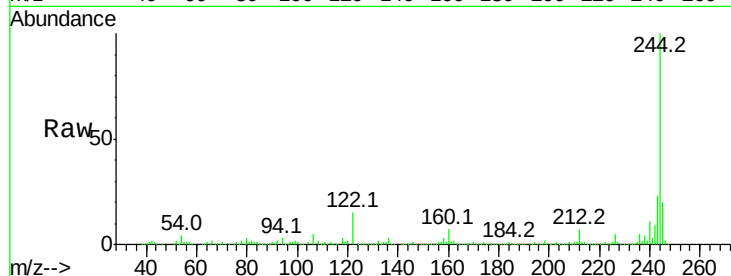




#78
 Terphenyl-d14
 Concen: 48.12 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BF096509.D
 Acq: 6 Jul 2017 3:47

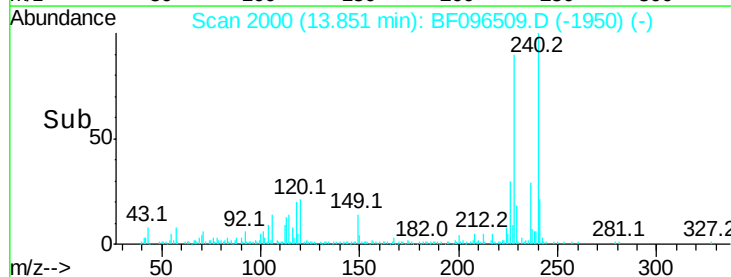
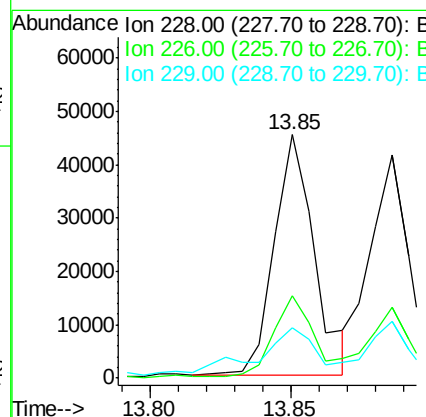
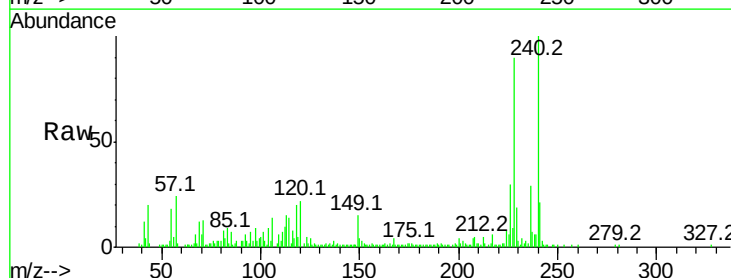
Instrument :
 BNA_F
 ClientSampleId :

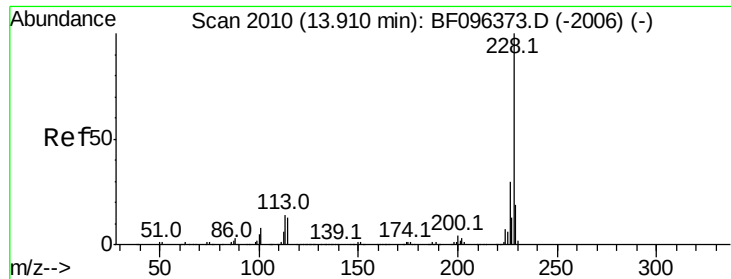
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	15.1	10.3	15.5



#80
 Benzo(a)anthracene
 Concen: 3.31 ng
 RT: 13.85 min Scan# 2000
 Delta R.T. -0.01 min
 Lab File: BF096509.D
 Acq: 6 Jul 2017 3:47

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.8	22.6	33.8
229	20.9	16.3	24.5

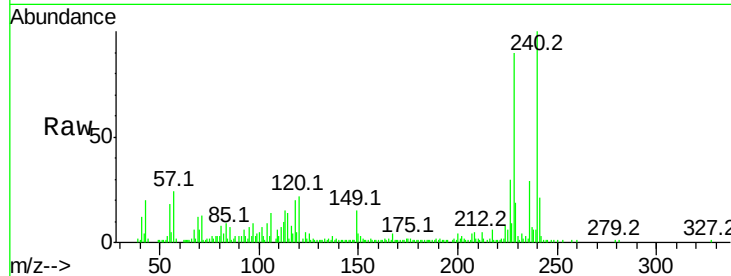




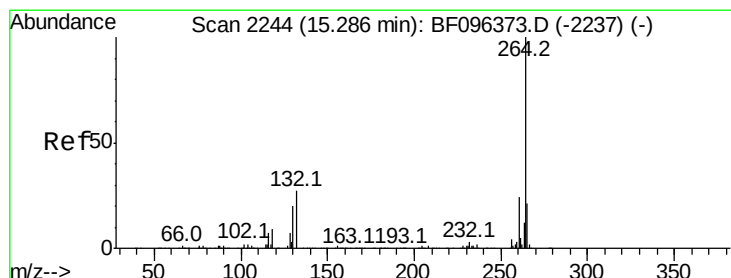
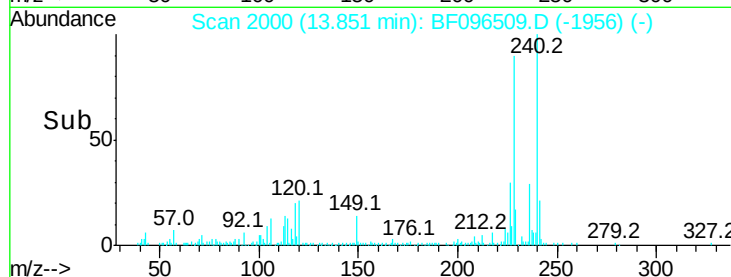
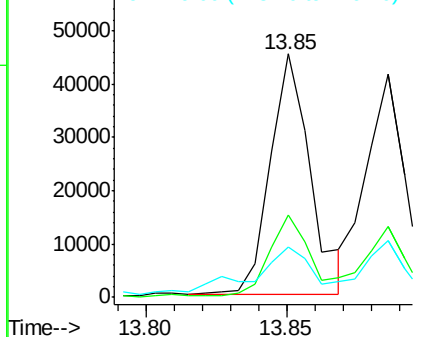
#82
Chrysene
Concen: 3.16 ng
RT: 13.85 min Scan# 2000
Delta R.T. -0.04 min
Lab File: BF096509.D
Acq: 6 Jul 2017 3:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 44886
Ion Ratio Lower Upper
228 100
226 33.8 24.9 37.3
229 20.9 15.8 23.6

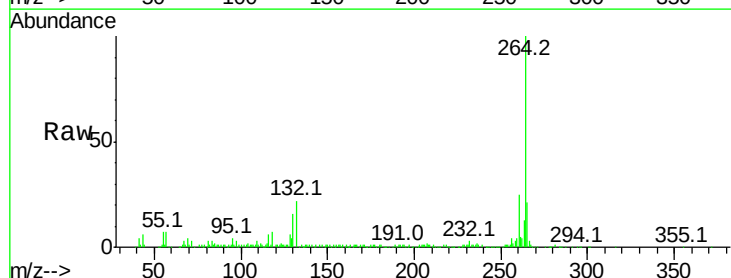


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

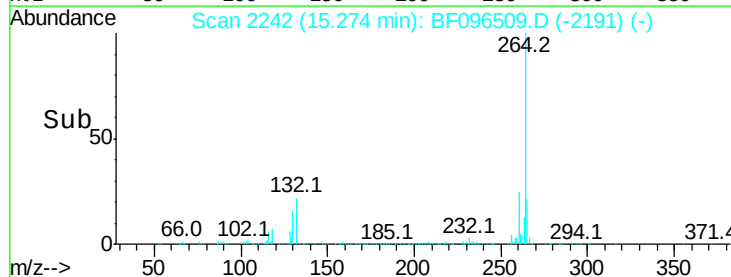
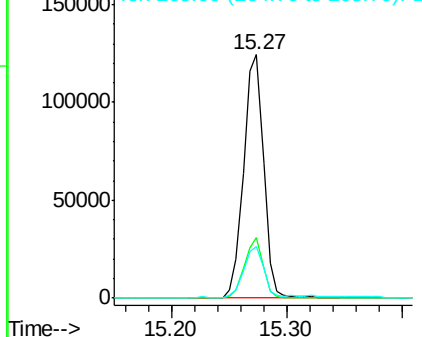


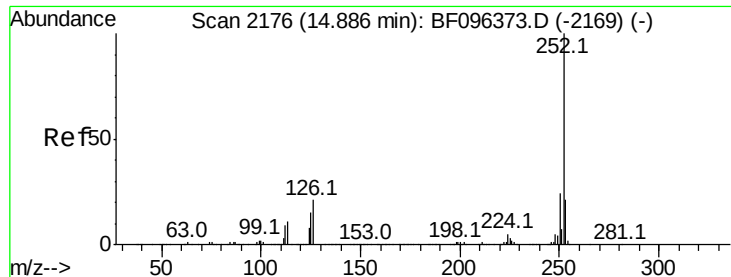
#86
Perylene-d12
Concen: 20.00 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.00 min
Lab File: BF096509.D
Acq: 6 Jul 2017 3:47

Tgt Ion:264 Resp: 149916
Ion Ratio Lower Upper
264 100
260 24.7 19.5 29.3
265 21.0 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

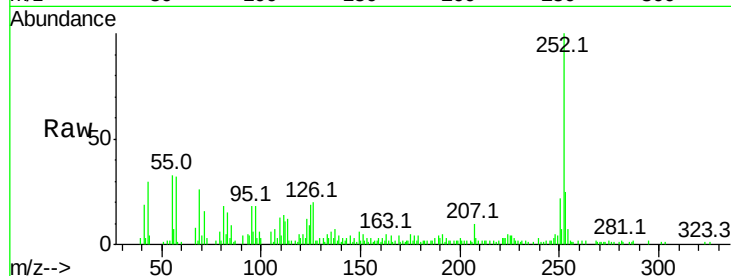




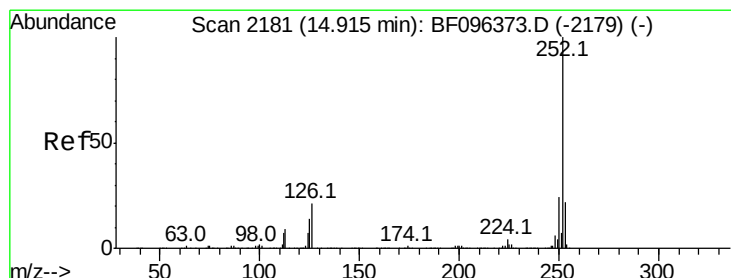
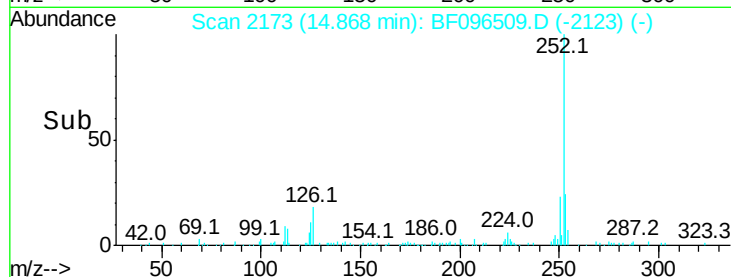
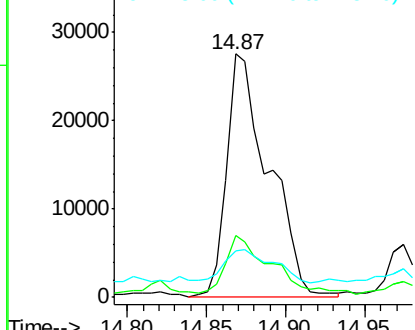
#87
Benzo(b)fluoranthene
Concen: 5.43 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF096509.D
Acq: 6 Jul 2017 3:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 50978
Ion Ratio Lower Upper
252 100
253 25.4 18.1 27.1
125 19.3 9.8 14.8#

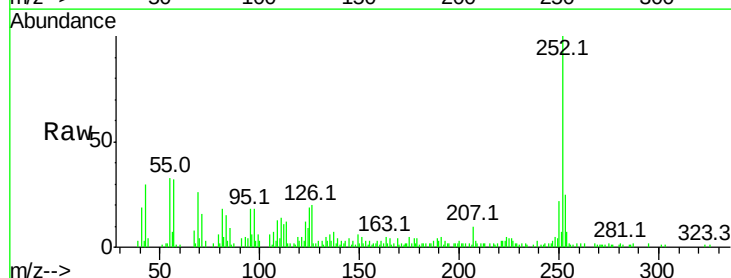


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

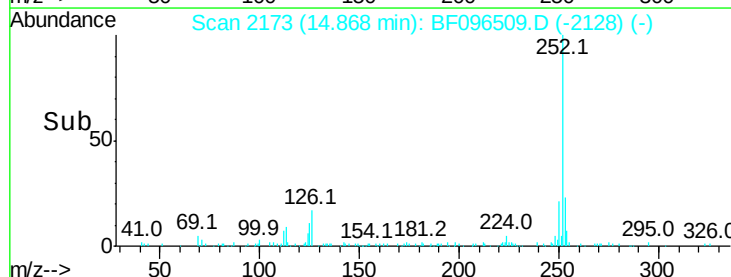
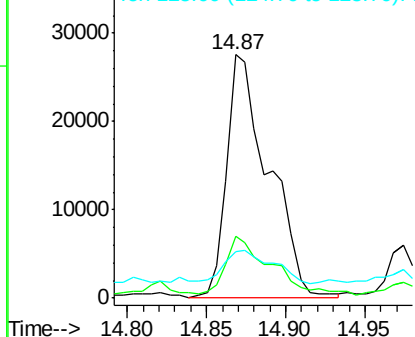


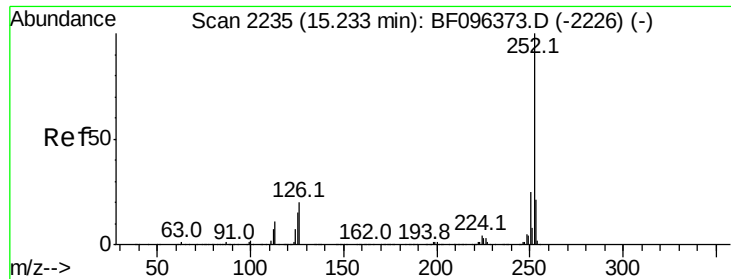
#88
Benzo(k)fluoranthene
Concen: 6.07 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.04 min
Lab File: BF096509.D
Acq: 6 Jul 2017 3:47

Tgt Ion:252 Resp: 50978
Ion Ratio Lower Upper
252 100
253 25.4 18.4 27.6
125 19.3 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: 2.88 ng

RT: 15.21 min Scan# 2231

Delta R.T. -0.01 min

Lab File: BF096509.D

Acq: 6 Jul 2017 3:47

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 24141

Ion Ratio Lower Upper

252 100

253 24.6 17.5 26.3

125 24.6 11.0 16.4#

