

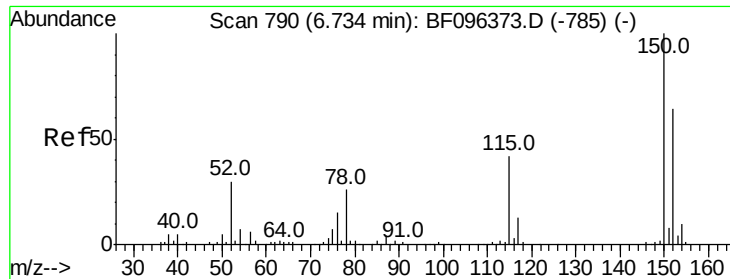
Data Path : Z:\HPCHEM1\BNA F\DATA\BF070517\
 Data File : BF096511.D
 Acq On : 6 Jul 2017 4:42
 Operator : SJ/MA
 Sample : I3975-03
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 06 06:26:09 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	116570	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	479884	20.00	ng	0.00
38) Acenaphthene-d10	9.74	164	153700	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	252686	20.00	ng	0.00
75) Chrysene-d12	13.86	240	231405	20.00	ng	0.00
86) Perylene-d12	15.27	264	149123	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	583714	73.91	ng	0.00
7) Phenol-d6	6.35	99	704981	72.61	ng	0.00
23) Nitrobenzene-d5	7.27	82	375667	47.04	ng	0.00
41) 2,4,6-Tribromophenol	10.53	330	106200	88.46	ng	0.00
44) 2-Fluorobiphenyl	9.07	172	679746	75.62	ng	0.00
78) Terphenyl-d14	12.82	244	478554	44.19	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.27	70	48546	8.39	ng	# 86
25) Isophorone	7.27	82	373164	24.10	ng	# 67
49) Dimethylphthalate	9.47	163	226719	19.76	ng	98
56) 2,4-Dinitrotoluene	9.74	165	19338	6.02	ng	# 31
66) 4-Bromophenyl-phenylether	10.53	248	7114	2.89	ng	# 1
74) Fluoranthene	12.44	202	35516	2.65	ng	98
87) Benzo(b)fluoranthene	14.87	252	23083	2.47	ng	# 67
88) Benzo(k)fluoranthene	14.87	252	23083	2.76	ng	# 71

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

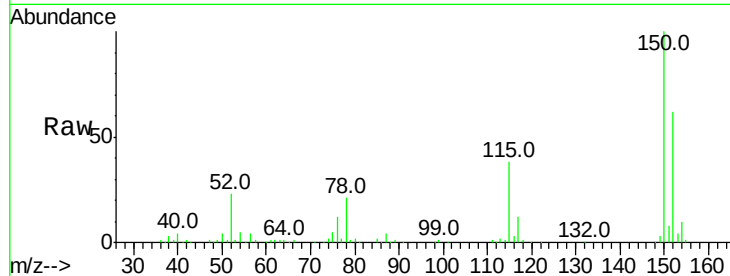


#1

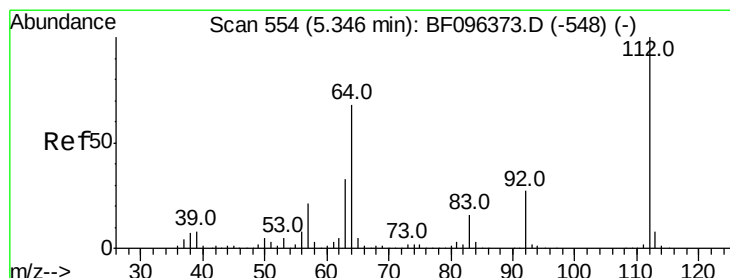
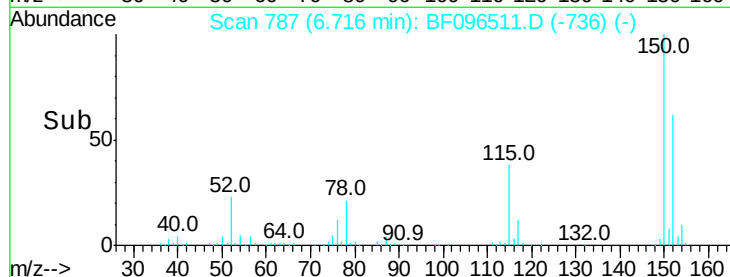
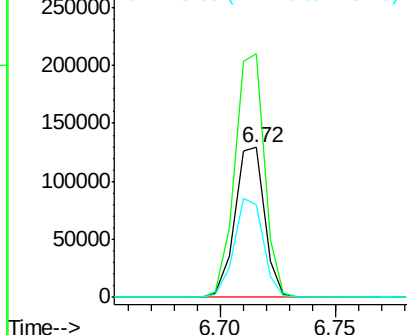
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF096511.D
Acq: 6 Jul 2017 4:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 116570
Ion Ratio Lower Upper
152 100
150 162.4 126.2 189.2
115 61.4 52.2 78.2



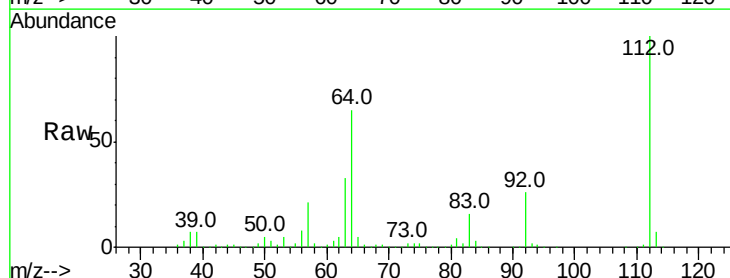
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



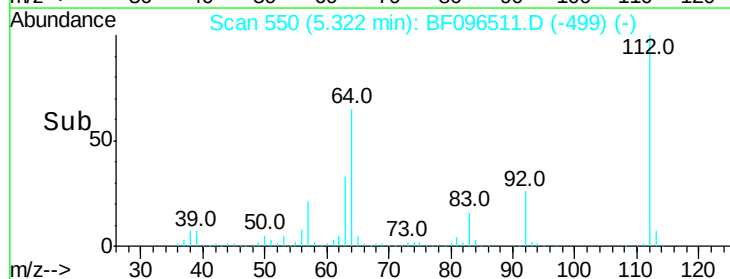
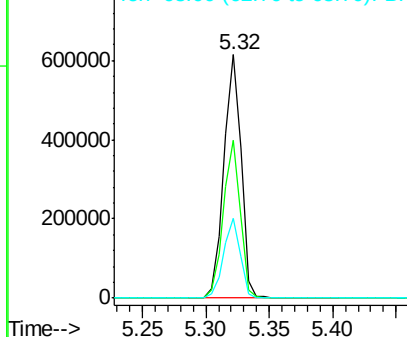
#5

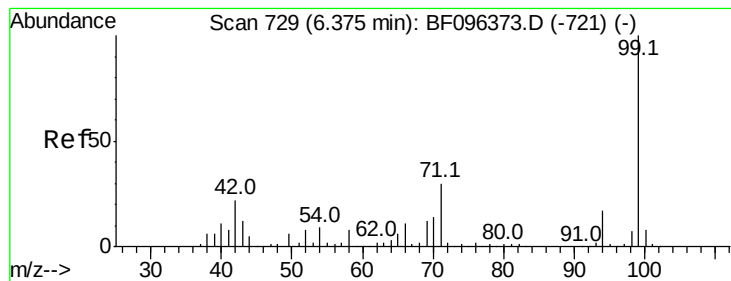
2-Fluorophenol
Concen: 73.91 ng
RT: 5.32 min Scan# 550
Delta R.T. -0.00 min
Lab File: BF096511.D
Acq: 6 Jul 2017 4:42

Tgt Ion:112 Resp: 583714
Ion Ratio Lower Upper
112 100
64 64.9 46.0 69.0
63 32.9 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: 72.61 ng

RT: 6.35 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF096511.D

Acq: 6 Jul 2017 4:42

Instrument :

BNA_F

ClientSampled :

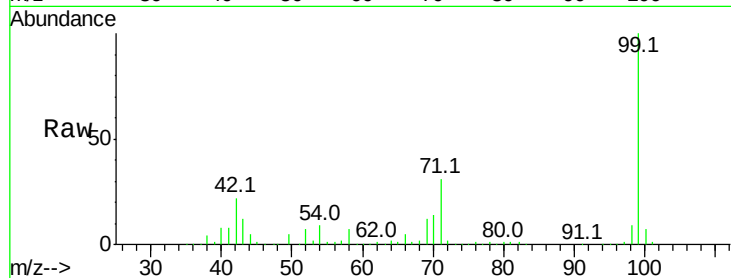
Tot Ion: 99 Resp: 704981

Ion Ratio Lower Upper

99 100

42 22.1 13.5 20.3#

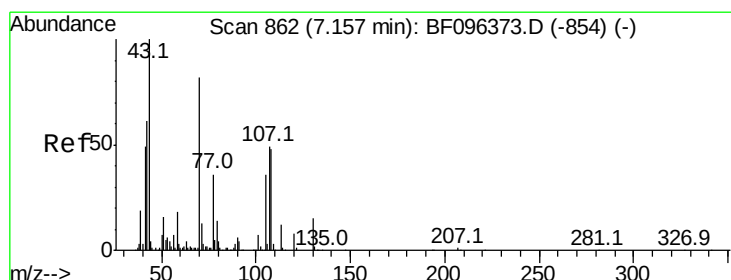
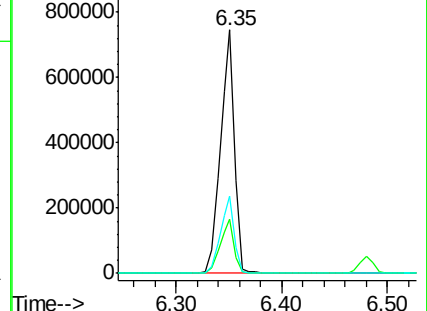
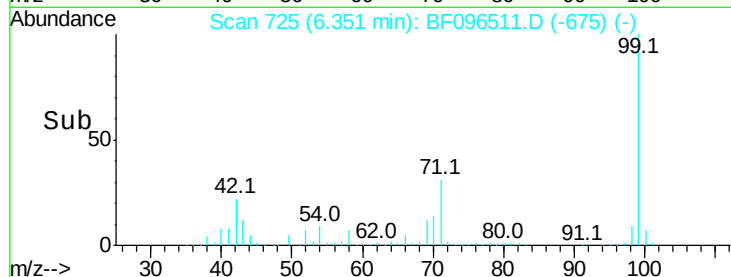
71 31.5 24.5 36.7



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: 8.39 ng

RT: 7.27 min Scan# 881

Delta R.T. 0.14 min

Lab File: BF096511.D

Acq: 6 Jul 2017 4:42

Tgt Ion: 70 Resp: 48546

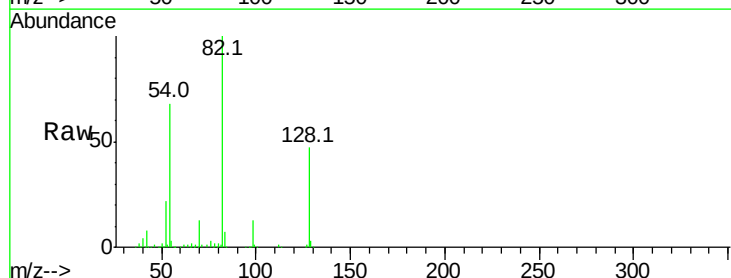
Ion Ratio Lower Upper

70 100

42 62.4 47.2 70.8

101 0.0 7.2 10.8#

130 2.7 15.9 23.9#

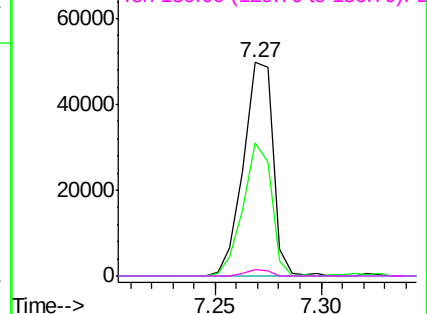
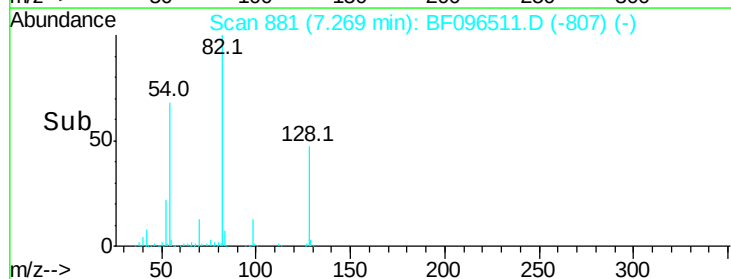


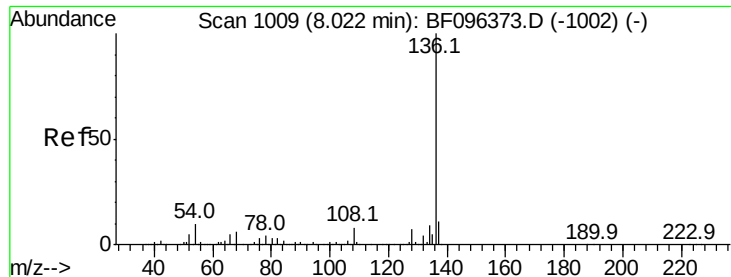
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

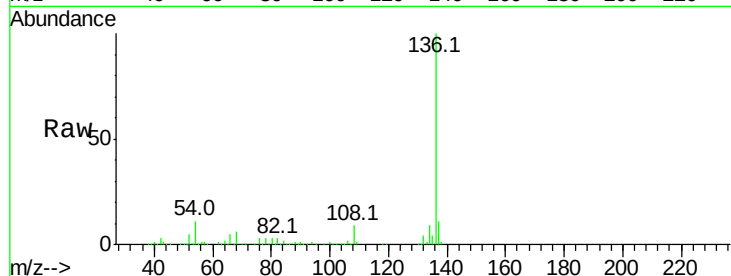




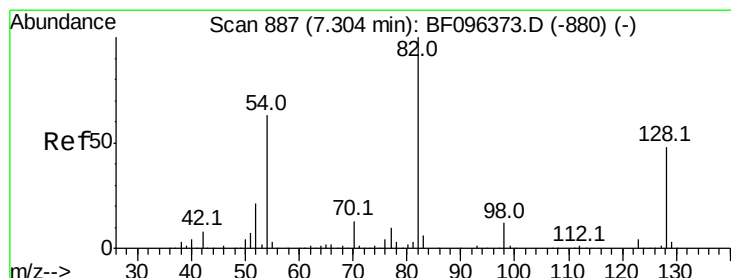
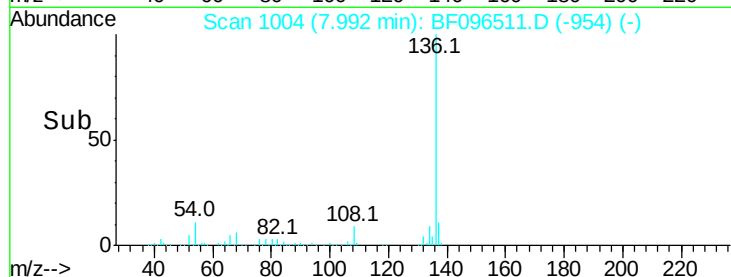
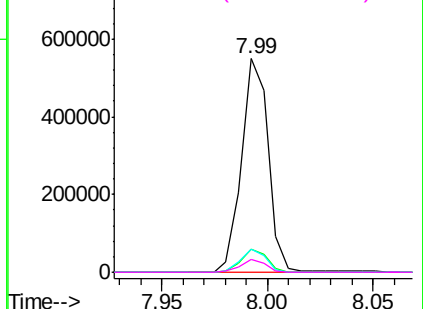
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF096511.D
Acq: 6 Jul 2017 4:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	479884
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	11.0	4.9	7.3#
68	5.8	4.1	6.1

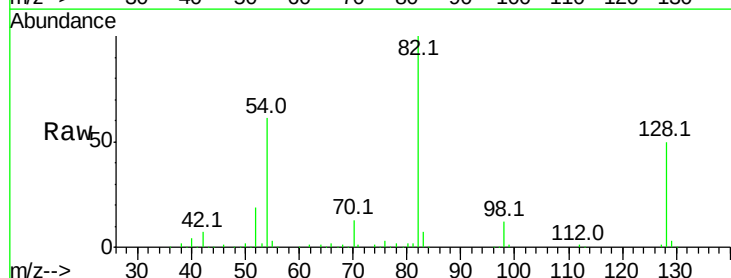


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

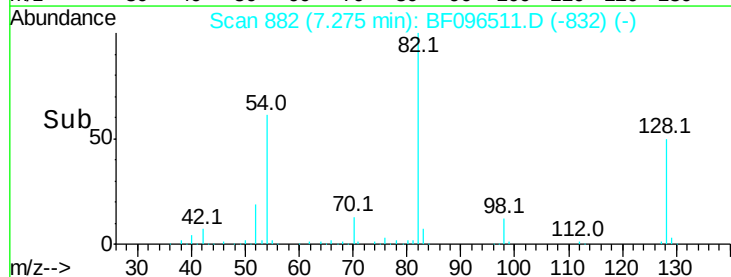
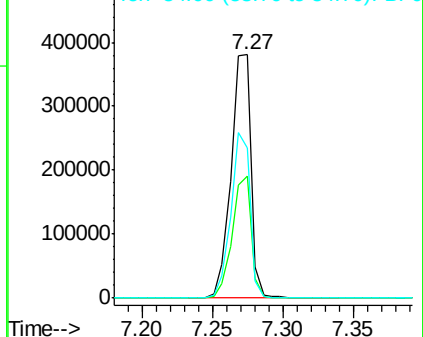


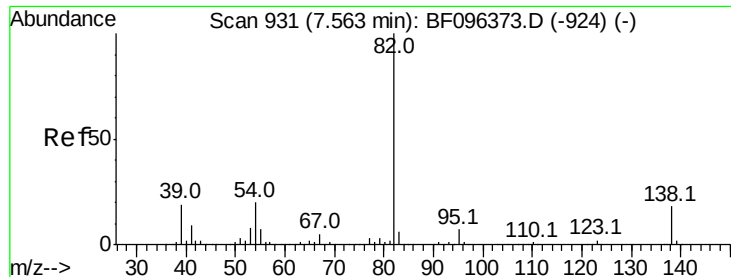
#23
Nitrobenzene-d5
Concen: 47.04 ng
RT: 7.27 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF096511.D
Acq: 6 Jul 2017 4:42

Tgt Ion:	82	Resp:	375667
Ion	Ratio	Lower	Upper
82	100		
128	50.3	34.0	51.0
54	61.4	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





#25

Isophorone

Concen: 24.10 ng

RT: 7.27 min Scan# 882

Delta R.T. -0.26 min

Lab File: BF096511.D

Acq: 6 Jul 2017 4:42

Instrument :

BNA_F

ClientSampleId :

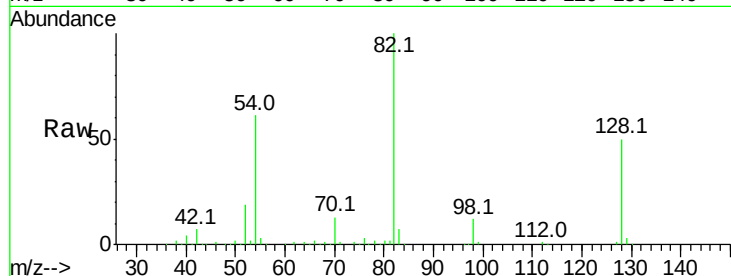
Tot Ion: 82 Resp: 373164

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

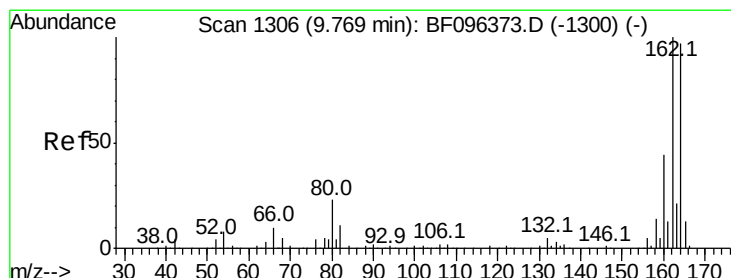
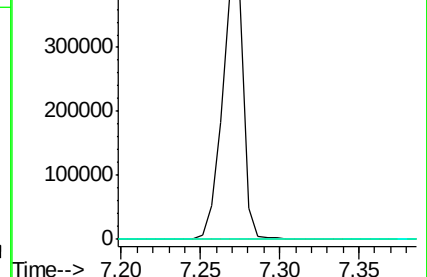
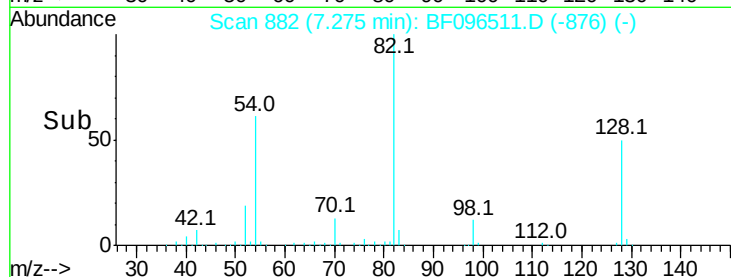
138 0.0 13.1 19.7#



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: 9.74 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF096511.D

Acq: 6 Jul 2017 4:42

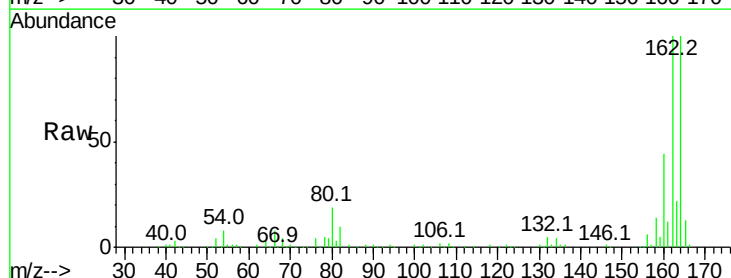
Tgt Ion:164 Resp: 153700

Ion Ratio Lower Upper

164 100

162 100.0 82.6 123.8

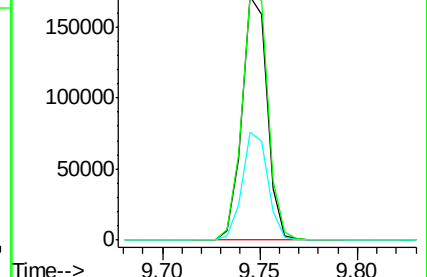
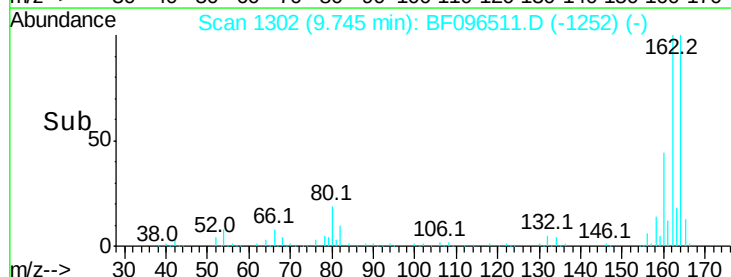
160 44.3 36.2 54.2

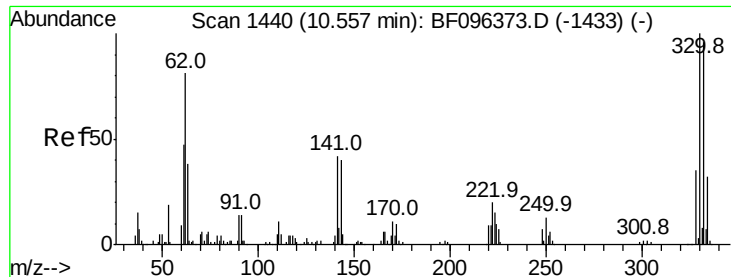


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

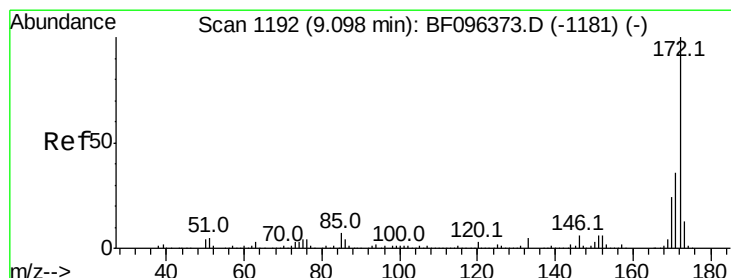
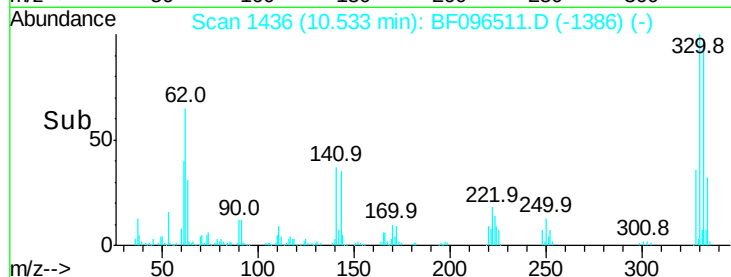
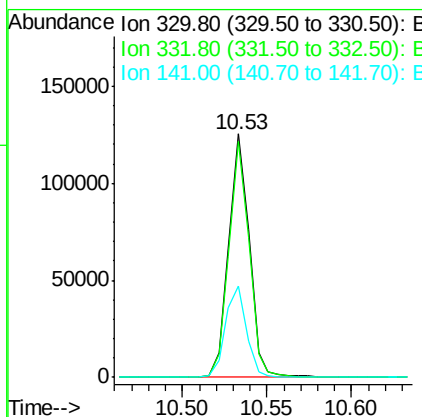
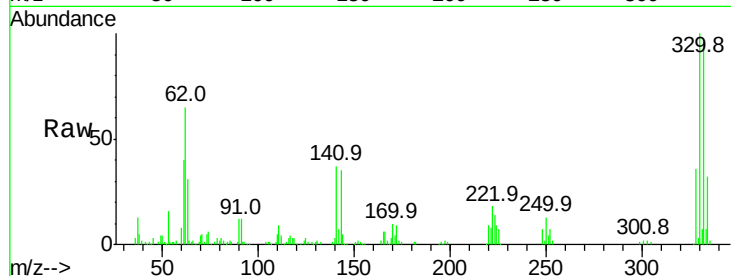




#41
 2,4,6-Tribromophenol
 Concen: 88.46 ng
 RT: 10.53 min Scan# 1436
 Delta R.T. -0.01 min
 Lab File: BF096511.D
 Acq: 6 Jul 2017 4:42

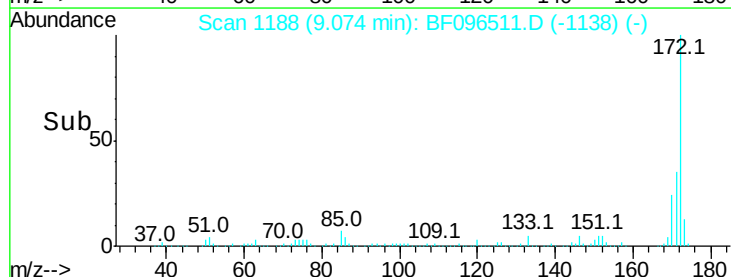
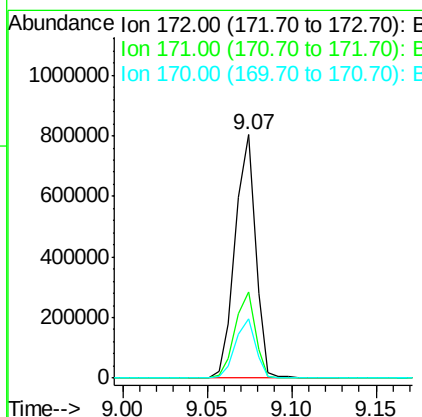
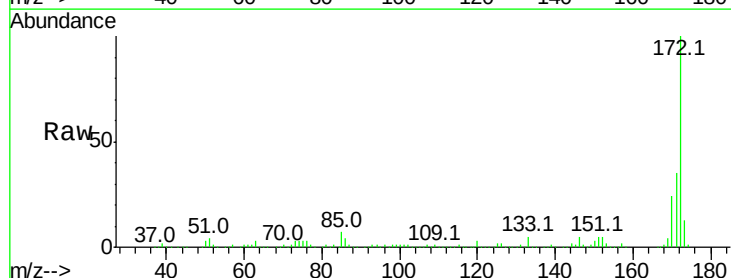
Instrument :
 BNA_F
 ClientSampleId :

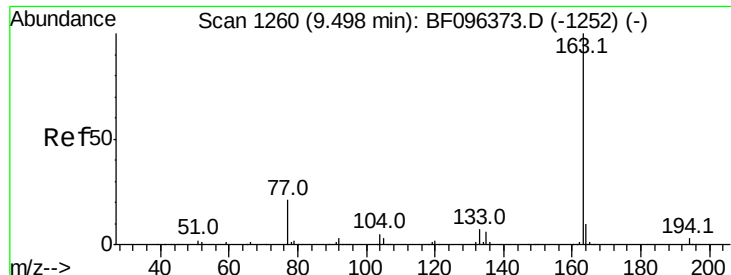
Tot Ion	Ratio	Lower	Upper
330	100		
332	95.4	76.6	115.0
141	38.3	31.4	47.2



#44
 2-Fluorobiphenyl
 Concen: 75.62 ng
 RT: 9.07 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF096511.D
 Acq: 6 Jul 2017 4:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.6	44.4
170	24.1	19.8	29.8

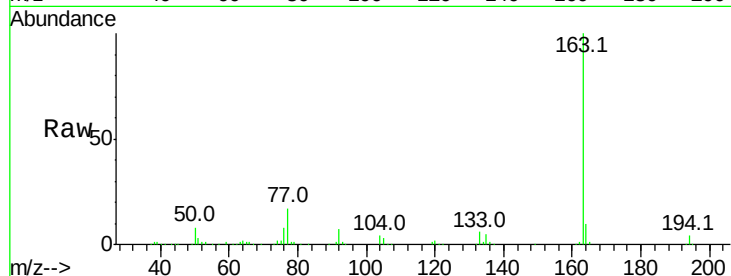




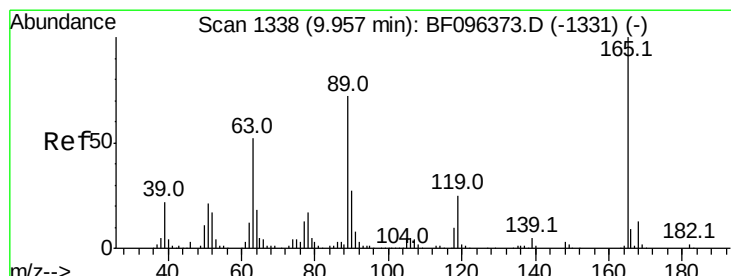
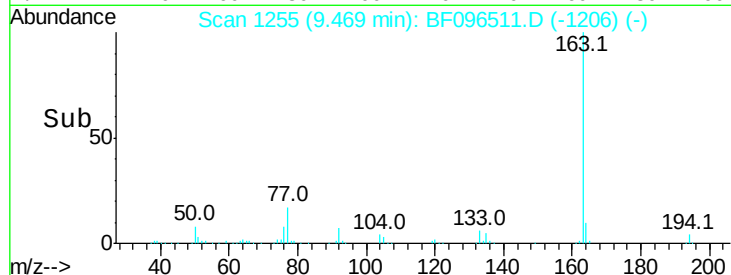
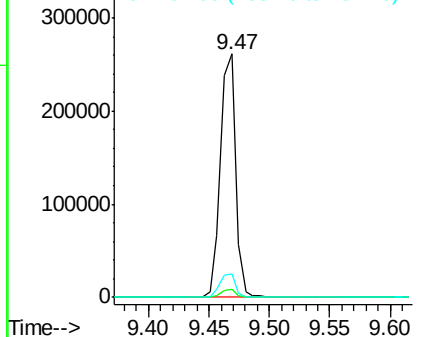
#49
Dimethylphthalate
Concen: 19.76 ng
RT: 9.47 min Scan# 1255
Delta R.T. -0.01 min
Lab File: BF096511.D
Acq: 6 Jul 2017 4:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.5	2.6	4.0
164	9.7	8.4	12.6



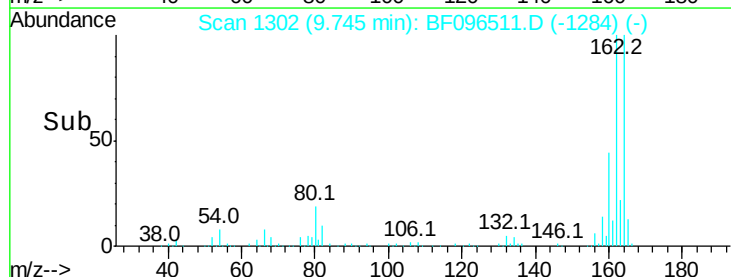
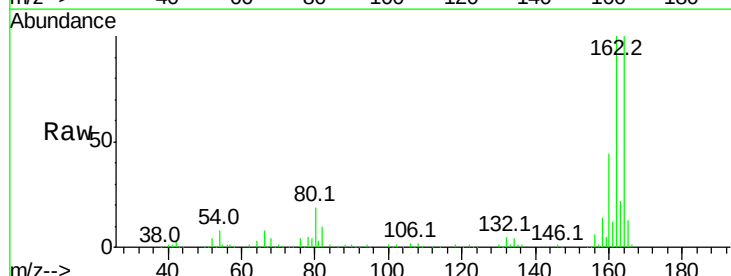
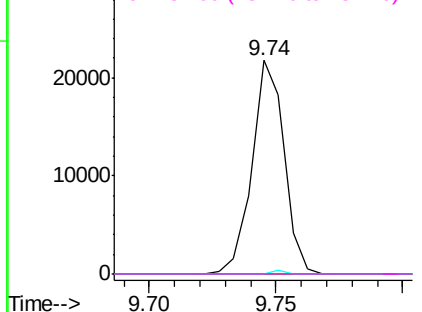
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

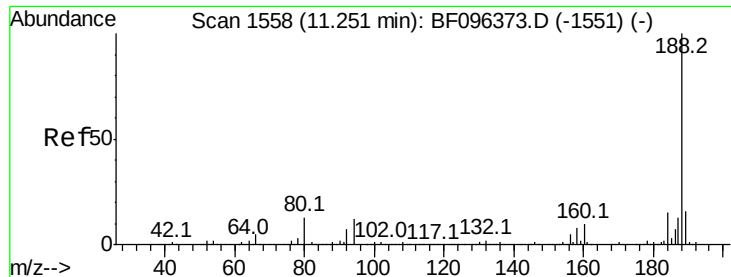


#56
2,4-Dinitrotoluene
Concen: 6.02 ng
RT: 9.74 min Scan# 1302
Delta R.T. -0.19 min
Lab File: BF096511.D
Acq: 6 Jul 2017 4:42

Tgt 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#

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: 20.00 ng

RT: 11.23 min Scan# 1554

Delta R.T. -0.01 min

Lab File: BF096511.D

Acq: 6 Jul 2017 4:42

Instrument :

BNA_F

ClientSampleId :

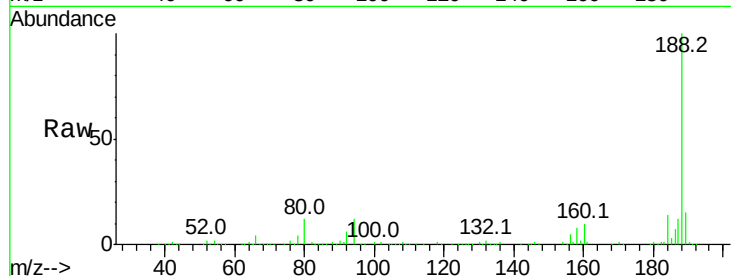
Tot Ion:188 Resp: 252686

Ion	Ratio	Lower	Upper
188	100		
94	11.6	9.4	14.2
80	11.7	10.2	15.2

188 100

94 11.6 9.4 14.2

80 11.7 10.2 15.2



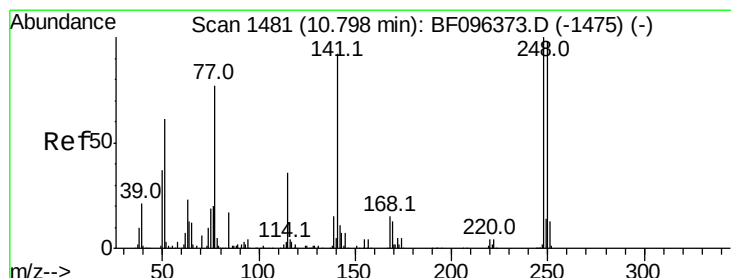
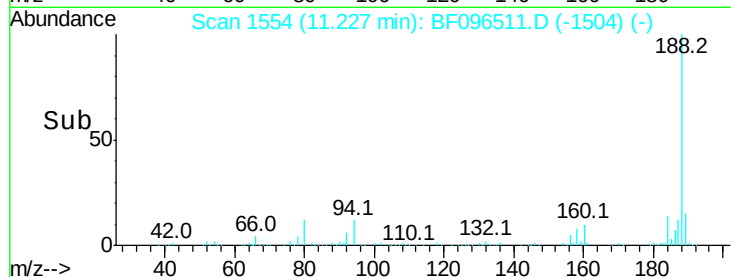
Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

11.23

Time-->



#66

4-Bromophenyl-phenylether

Concen: 2.89 ng

RT: 10.53 min Scan# 1436

Delta R.T. -0.25 min

Lab File: BF096511.D

Acq: 6 Jul 2017 4:42

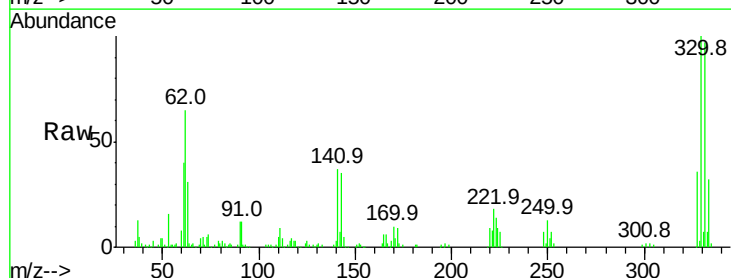
Tgt Ion:248 Resp: 7114

Ion	Ratio	Lower	Upper
248	100		
250	197.8	76.8	115.2#
141	557.0	68.6	103.0#

248 100

250 197.8 76.8 115.2#

141 557.0 68.6 103.0#



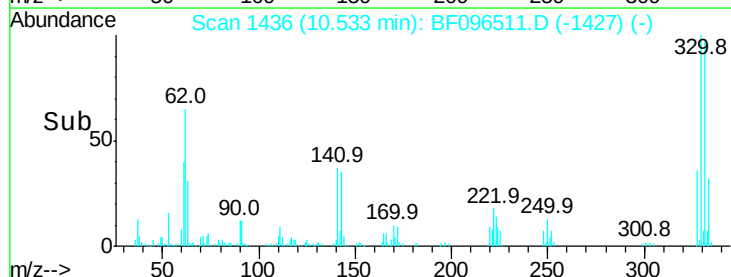
Abundance Ion 248.00 (247.70 to 248.70): E

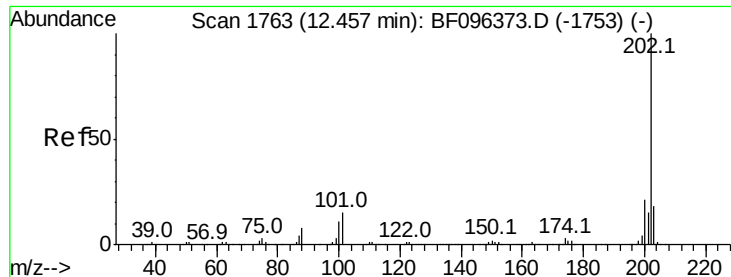
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

10.53

Time-->





#74

Fluoranthene

Concen: 2.65 ng

RT: 12.44 min Scan# 1760

Delta R.T. -0.00 min

Lab File: BF096511.D

Acq: 6 Jul 2017 4:42

Instrument :

BNA_F

ClientSampleId :

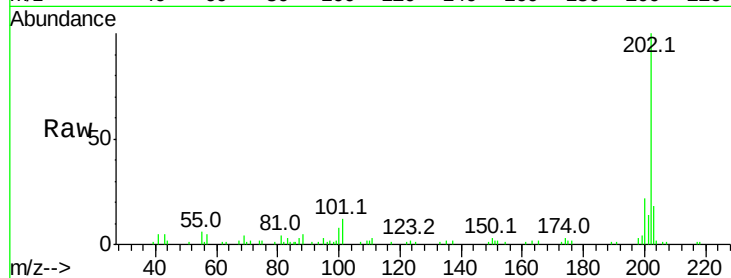
Tot Ion:202 Resp: 35516

Ion Ratio Lower Upper

202 100

101 12.4 0.0 33.2

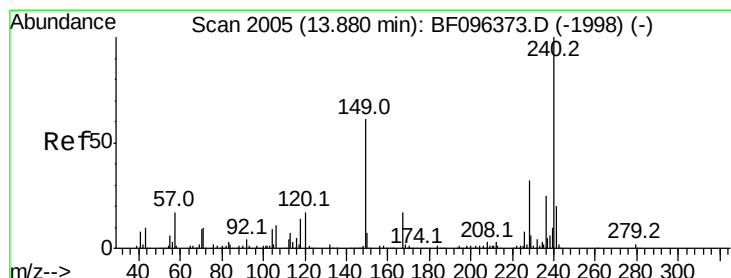
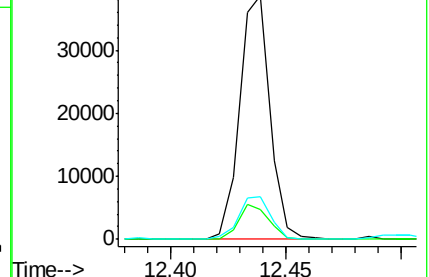
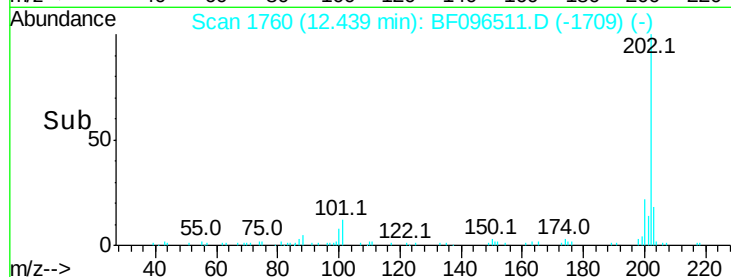
203 17.6 0.0 38.1



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: BF096511.D

Acq: 6 Jul 2017 4:42

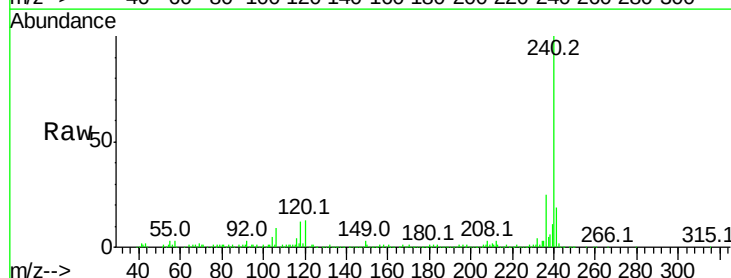
Tgt Ion:240 Resp: 231405

Ion Ratio Lower Upper

240 100

120 13.1 5.8 8.8#

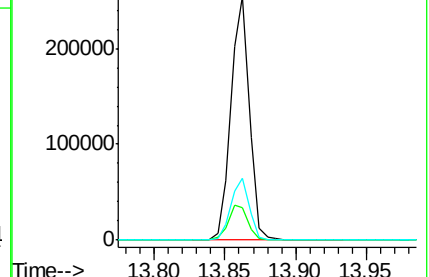
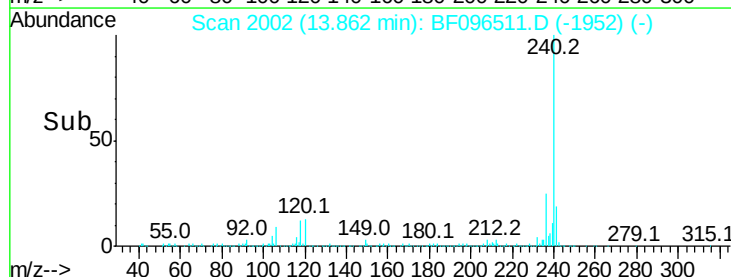
236 25.3 20.5 30.7

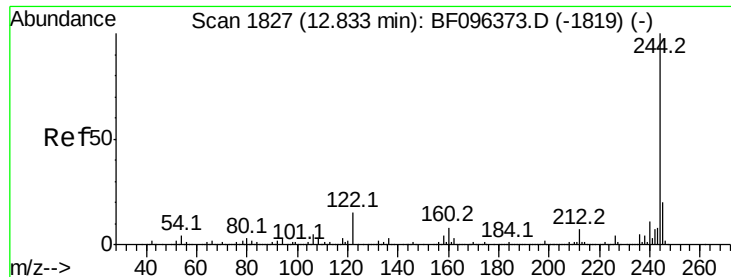


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

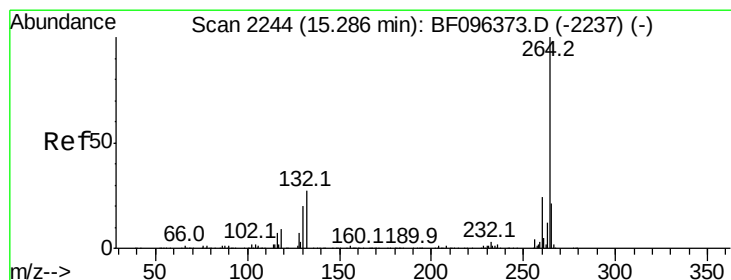
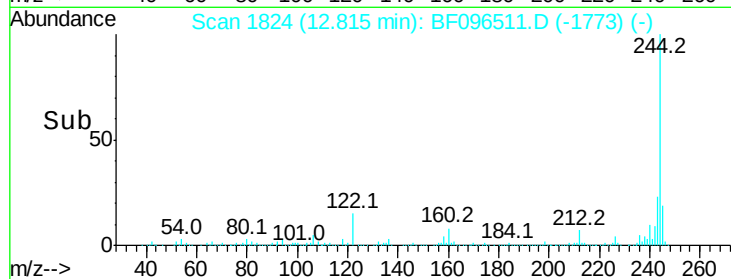
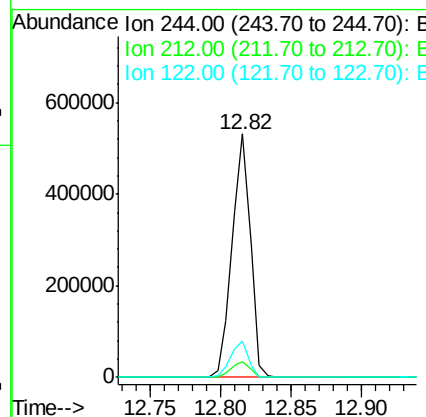
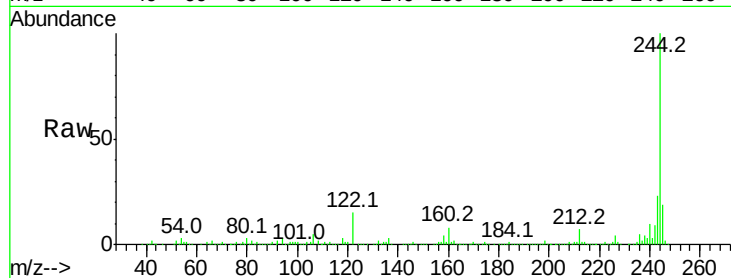




#78
 Terphenyl-d14
 Concen: 44.19 ng
 RT: 12.82 min Scan# 1824
 Delta R.T. -0.00 min
 Lab File: BF096511.D
 Acq: 6 Jul 2017 4:42

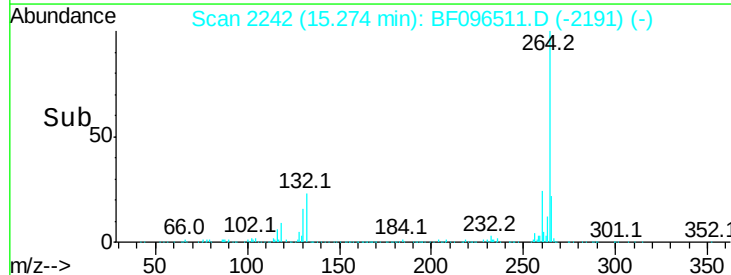
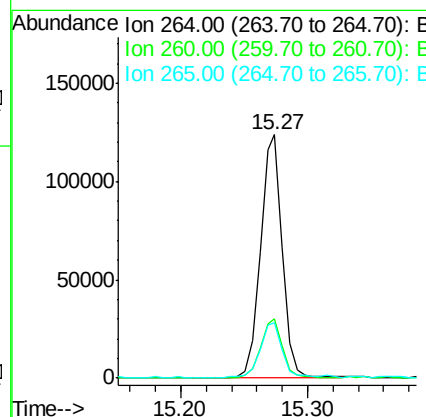
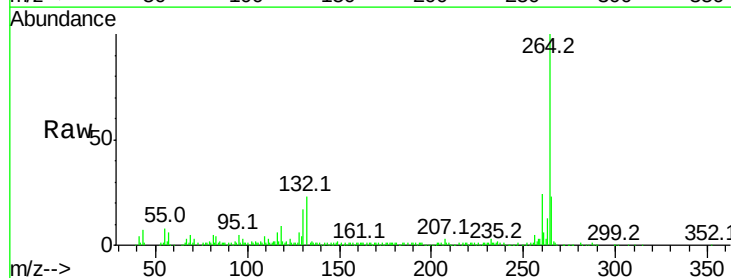
Instrument :
 BNA_F
 ClientSampleId :

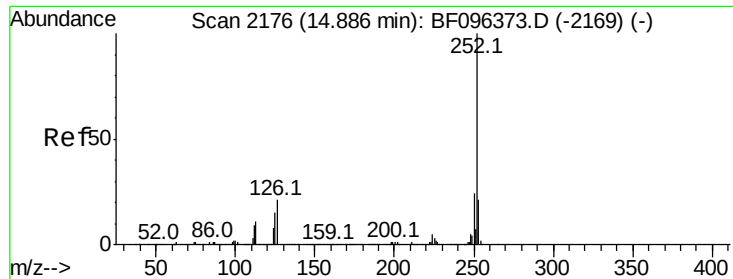
Tot Ion:244 Resp: 478554
 Ion Ratio Lower Upper
 244 100
 212 6.6 6.0 9.0
 122 14.7 10.3 15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.27 min Scan# 2242
 Delta R.T. -0.00 min
 Lab File: BF096511.D
 Acq: 6 Jul 2017 4:42

Tgt Ion:264 Resp: 149123
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.5 29.3
 265 22.9 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 2.47 ng

RT: 14.87 min Scan# 2173

Delta R.T. -0.01 min

Lab File: BF096511.D

Acq: 6 Jul 2017 4:42

Instrument :

BNA_F

ClientSampleId :

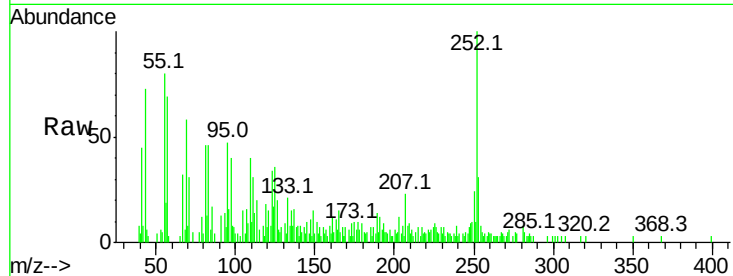
Tot Ion:252 Resp: 23083

Ion Ratio Lower Upper

252 100

253 30.9 18.1 27.1#

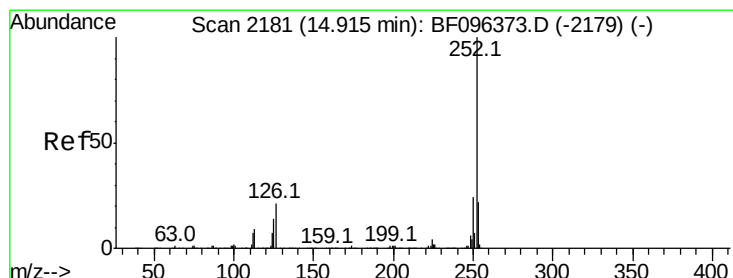
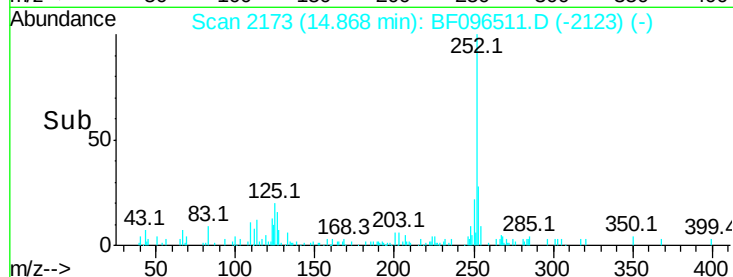
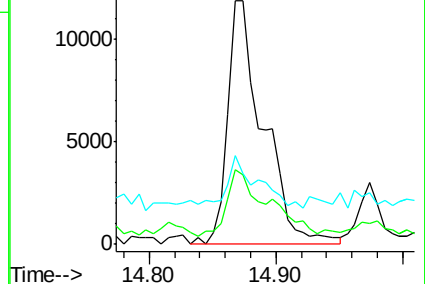
125 36.2 9.8 14.8#



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: 2.76 ng

RT: 14.87 min Scan# 2173

Delta R.T. -0.04 min

Lab File: BF096511.D

Acq: 6 Jul 2017 4:42

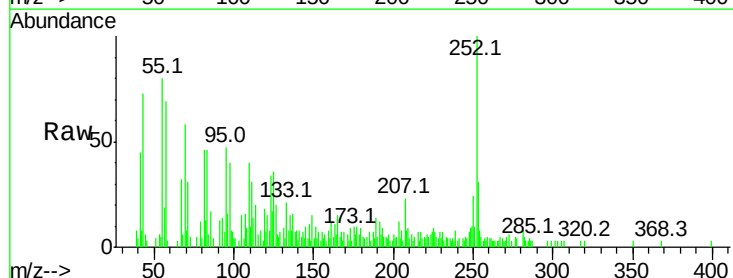
Tgt Ion:252 Resp: 23083

Ion Ratio Lower Upper

252 100

253 30.9 18.4 27.6#

125 36.2 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

