

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071317\
 Data File : BF096754.D
 Acq On : 14 Jul 2017 3:41
 Operator : SJ/JU
 Sample : I4172-01
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-P6-SSW

Quant Time: Jul 14 04:51:21 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 13 14:49:34 2017
 Response via : Initial Calibration

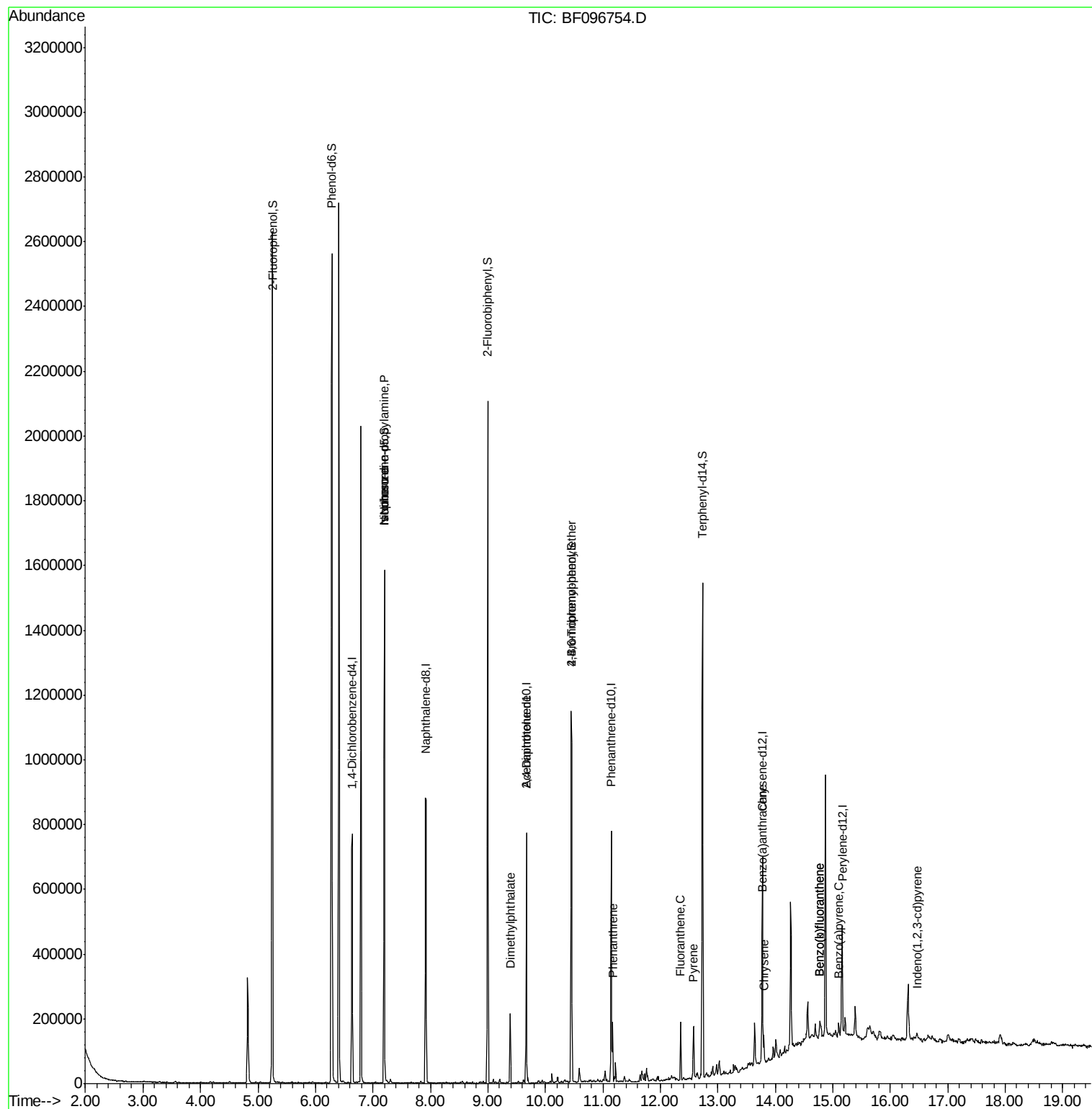
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	114851	20.00	ng	0.00
21) Naphthalene-d8	7.92	136	422492	20.00	ng	0.00
38) Acenaphthene-d10	9.67	164	140714	20.00	ng	0.00
63) Phenanthrene-d10	11.15	188	246897	20.00	ng	0.00
75) Chrysene-d12	13.77	240	196505	20.00	ng	0.00
86) Perylene-d12	15.16	264	135516	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	766770	100.38	ng	0.02
7) Phenol-d6	6.29	99	895516	97.70	ng	0.00
23) Nitrobenzene-d5	7.20	82	486503	71.33	ng	0.00
41) 2,4,6-Tribromophenol	10.46	330	127724	106.34	ng	0.00
44) 2-Fluorobiphenyl	9.00	172	670406	75.27	ng	0.00
78) Terphenyl-d14	12.73	244	447450	39.49	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.20	70	62923	11.39	ng	# 85
25) Isophorone	7.20	82	472109	37.21	ng	# 67
49) Dimethylphthalate	9.39	163	88342	8.34	ng	97
56) 2,4-Dinitrotoluene	9.67	165	17727	6.01	ng	# 32
66) 4-Bromophenyl-phenylether	10.46	248	8233	3.27	ng	# 1
70) Phenanthrene	11.17	178	57555	4.29	ng	98
74) Fluoranthene	12.35	202	68798	5.35	ng	97
77) Pyrene	12.58	202	63176	3.54	ng	98
80) Benzo(a)anthracene	13.76	228	31339	2.56	ng	96
82) Chrysene	13.80	228	27340	2.27	ng	96
85) Indeno(1,2,3-cd)pyrene	16.47	276	8778	4.09	ng	# 88
87) Benzo(b)fluoranthene	14.77	252	34119	4.17	ng	# 90
88) Benzo(k)fluoranthene	14.77	252	34119	4.41	ng	# 94
89) Benzo(a)pyrene	15.10	252	18274	2.44	ng	# 93

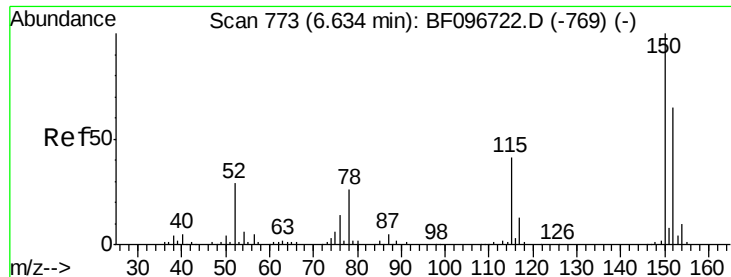
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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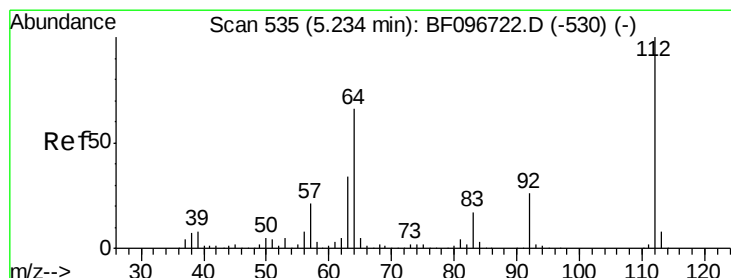
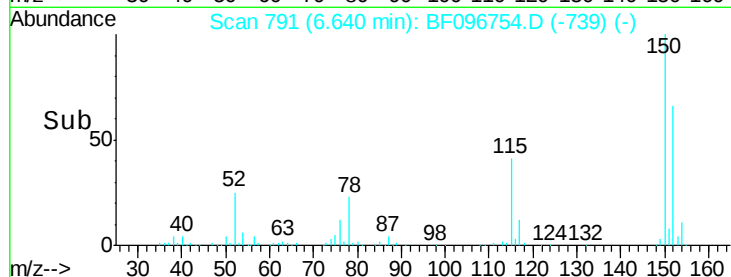
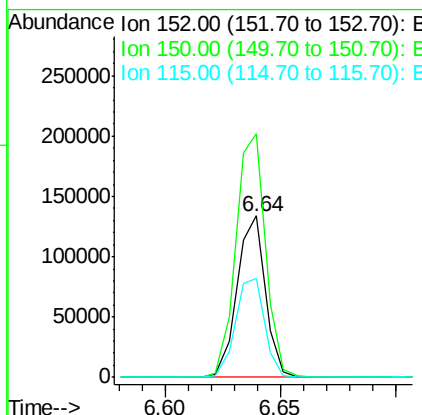
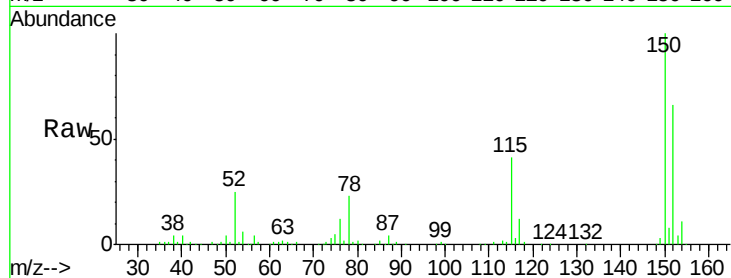


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.64 min Scan# 791
Delta R.T. 0.01 min
Lab File: BF096754.D
Acq: 14 Jul 2017 3:41

Instrument :
BNA_F
ClientSampleId :
E2-P6-SSW

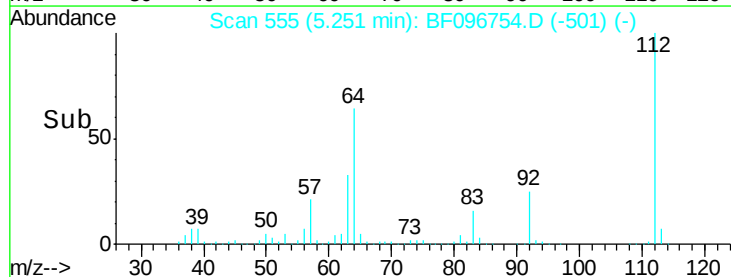
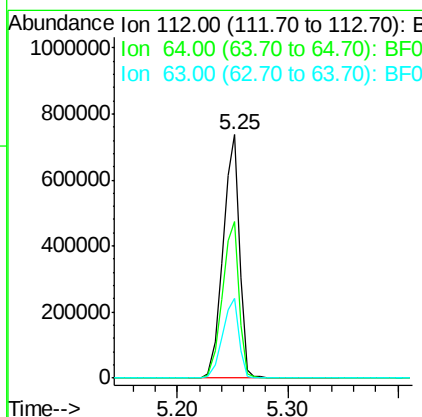
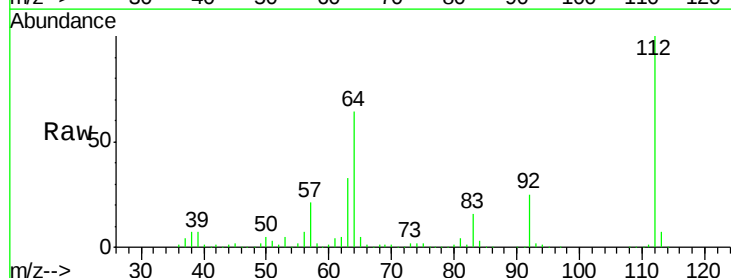
Tot Ion:152 Resp: 114851
Ion Ratio Lower Upper
152 100
150 150.7 126.2 189.2
115 61.1 52.2 78.2

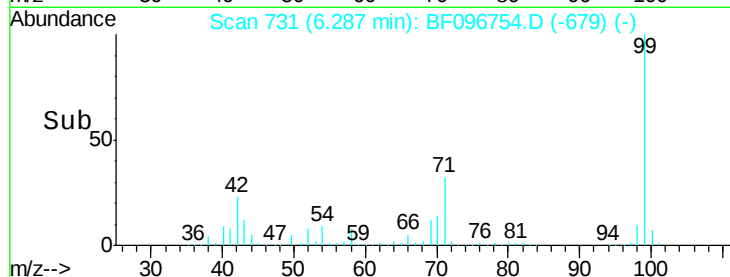
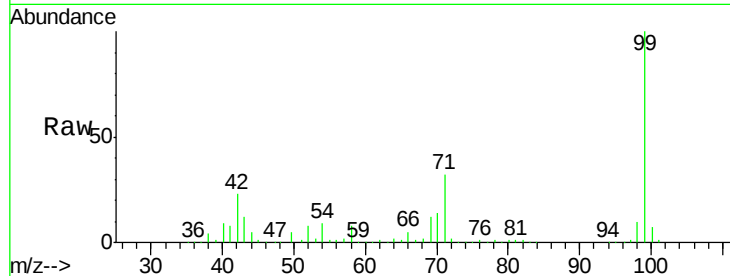
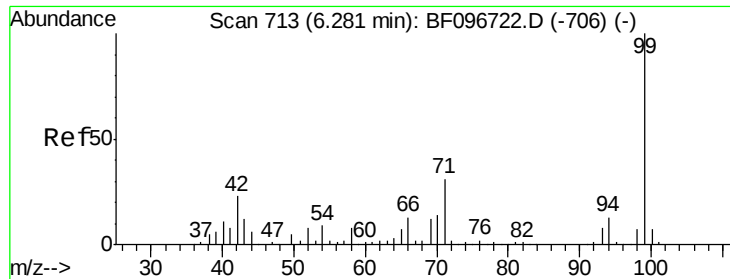


#5

2-Fluorophenol
Concen: 100.38 ng
RT: 5.25 min Scan# 555
Delta R.T. 0.02 min
Lab File: BF096754.D
Acq: 14 Jul 2017 3:41

Tgt Ion:112 Resp: 766770
Ion Ratio Lower Upper
112 100
64 64.1 46.0 69.0
63 32.8 23.4 35.0





#7

Phenol-d6

Concen: 97.70 ng

RT: 6.29 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF096754.D

Acq: 14 Jul 2017 3:41

Instrument :

BNA_F

ClientSampleId :

E2-P6-SSW

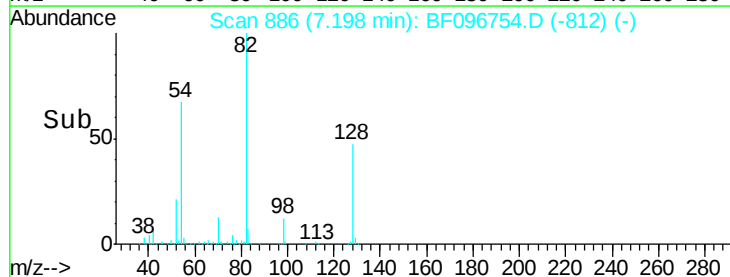
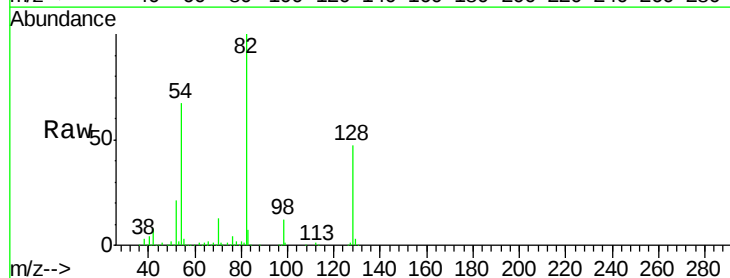
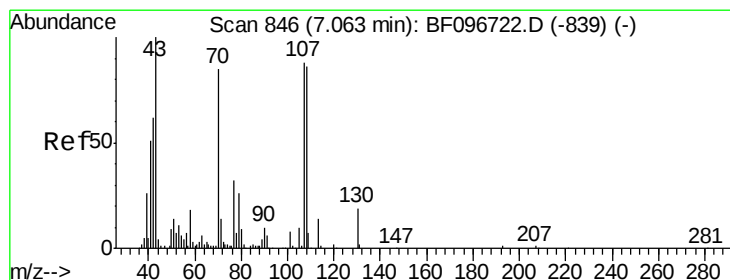
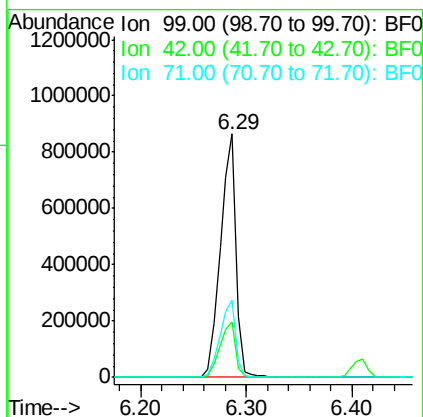
Tot Ion: 99 Resp: 895516

Ion Ratio Lower Upper

99 100

42 22.6 13.5 20.3#

71 31.6 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 11.39 ng

RT: 7.20 min Scan# 886

Delta R.T. 0.14 min

Lab File: BF096754.D

Acq: 14 Jul 2017 3:41

Tgt Ion: 70 Resp: 62923

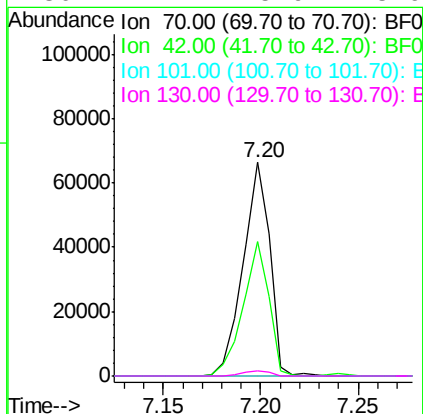
Ion Ratio Lower Upper

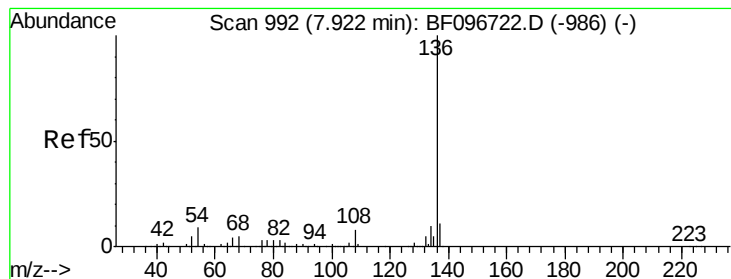
70 100

42 63.0 47.2 70.8

101 0.0 7.2 10.8#

130 2.1 15.9 23.9#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.92 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BF096754.D

Acq: 14 Jul 2017 3:41

Instrument :

BNA_F

ClientSampleId :

E2-P6-SSW

Tot Ion:136 Resp: 422492

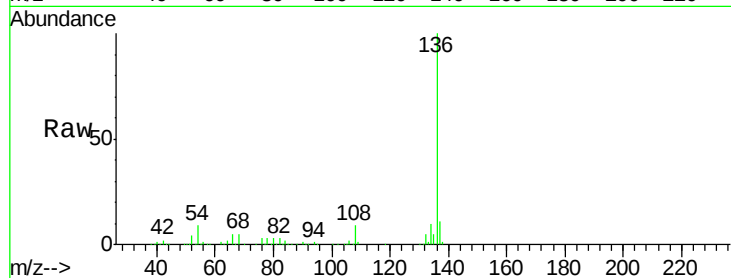
Ion Ratio Lower Upper

136 100

137 10.6 8.5 12.7

54 9.1 4.9 7.3#

68 5.0 4.1 6.1

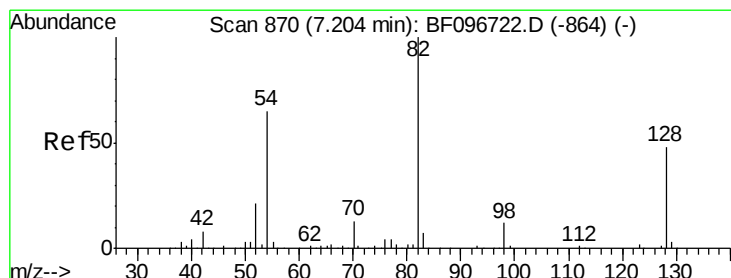
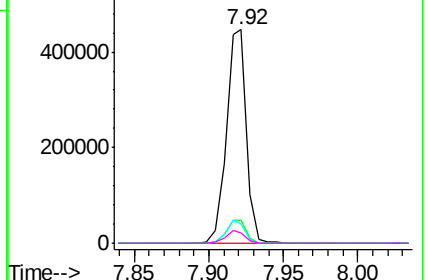
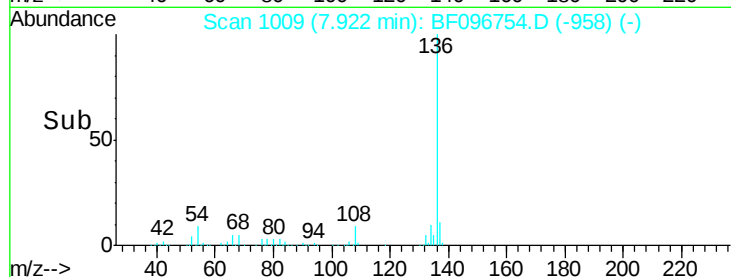


Abundance Ion 136.00 (135.70 to 136.70): E

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: 71.33 ng

RT: 7.20 min Scan# 886

Delta R.T. -0.01 min

Lab File: BF096754.D

Acq: 14 Jul 2017 3:41

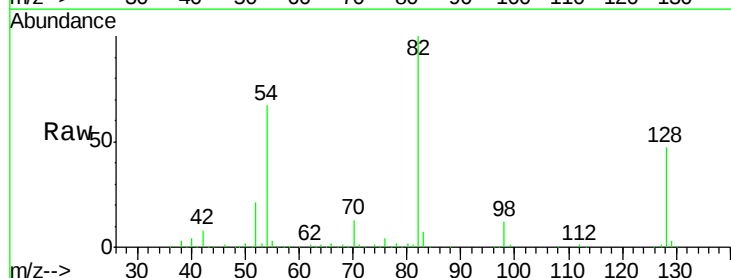
Tgt Ion: 82 Resp: 486503

Ion Ratio Lower Upper

82 100

128 46.6 34.0 51.0

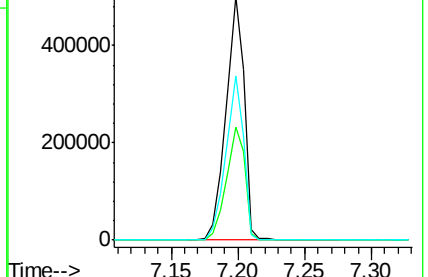
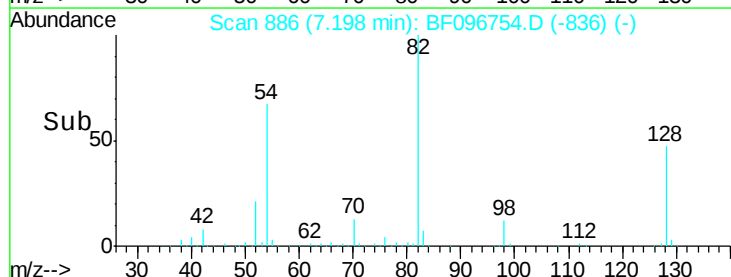
54 67.4 42.2 63.2#

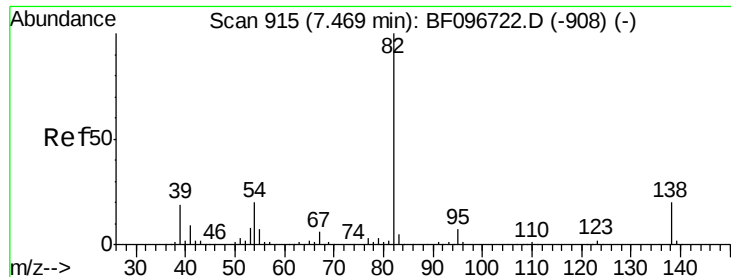


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#25

Isophorone

Concen: 37.21 ng

RT: 7.20 min Scan# 886

Delta R.T. -0.27 min

Lab File: BF096754.D

Acq: 14 Jul 2017 3:41

Instrument :

BNA_F

ClientSampleId :

E2-P6-SSW

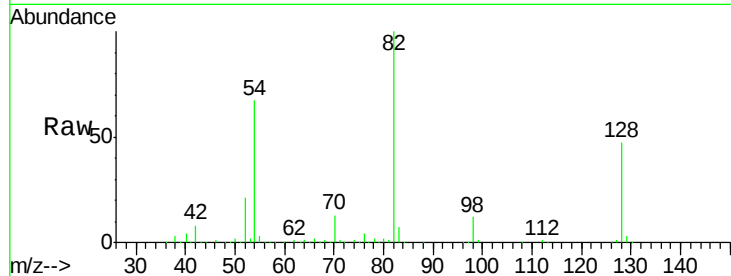
Tot Ion: 82 Resp: 472109

Ion Ratio Lower Upper

82 100

95 0.0 5.3 7.9#

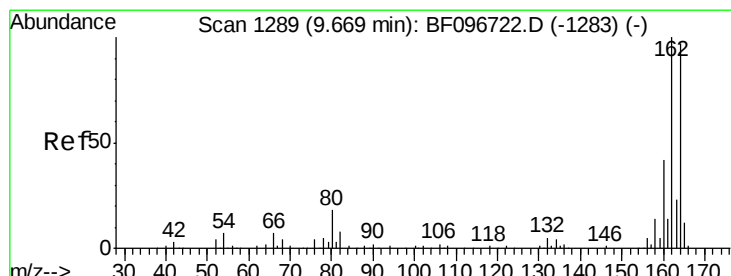
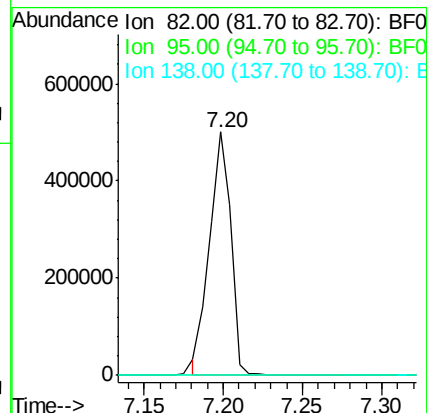
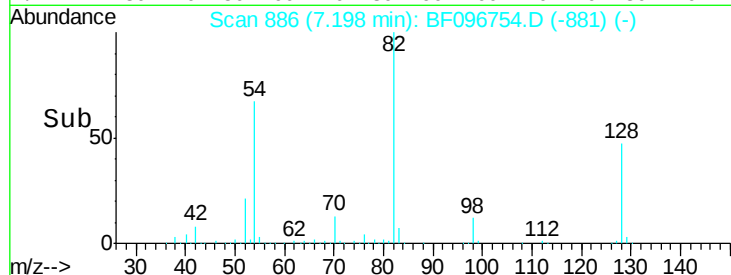
138 0.0 13.1 19.7#



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: 9.67 min Scan# 1306

Delta R.T. 0.00 min

Lab File: BF096754.D

Acq: 14 Jul 2017 3:41

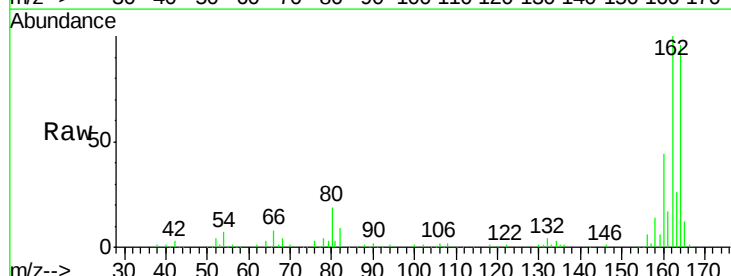
Tgt Ion: 164 Resp: 140714

Ion Ratio Lower Upper

164 100

162 103.7 82.6 123.8

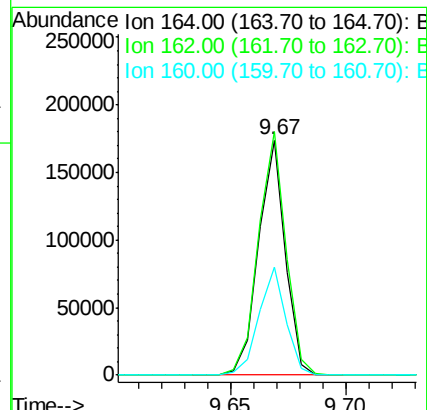
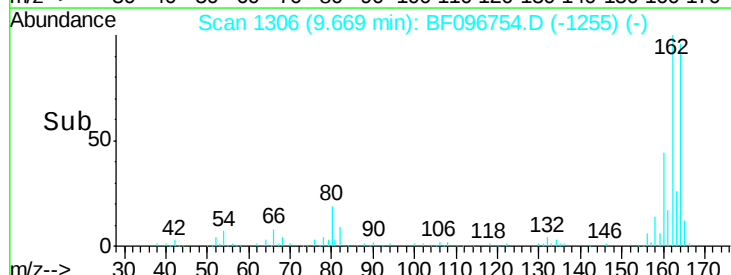
160 45.9 36.2 54.2

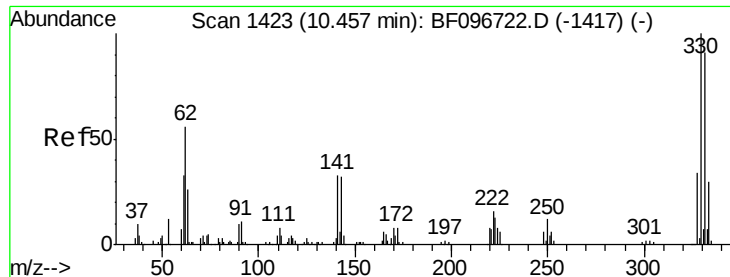


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

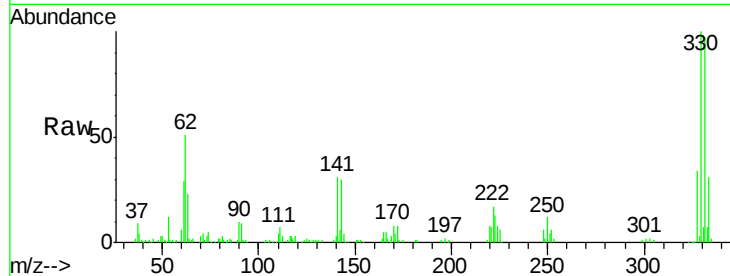




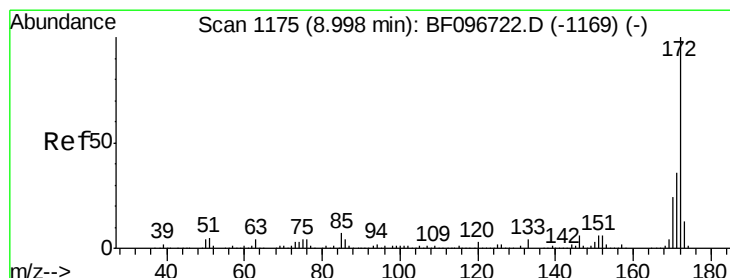
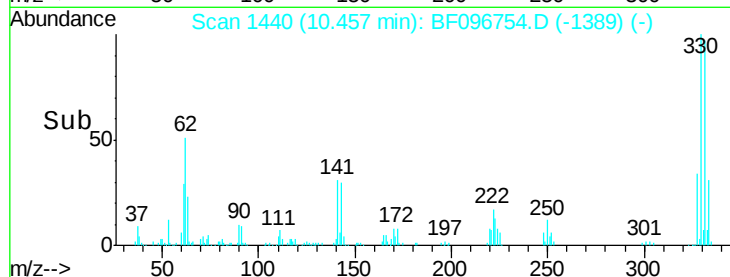
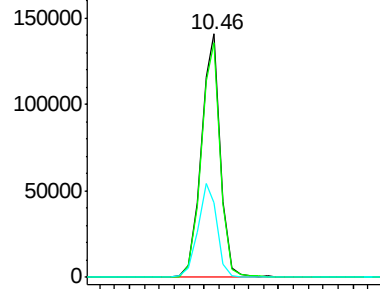
#41
 2,4,6-Tribromophenol
 Concen: 106.34 ng
 RT: 10.46 min Scan# 1440
 Delta R.T. 0.00 min
 Lab File: BF096754.D
 Acq: 14 Jul 2017 3:41

Instrument :
 BNA_F
 ClientSampleId :
 E2-P6-SSW

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.6	115.0
141	39.1	31.4	47.2

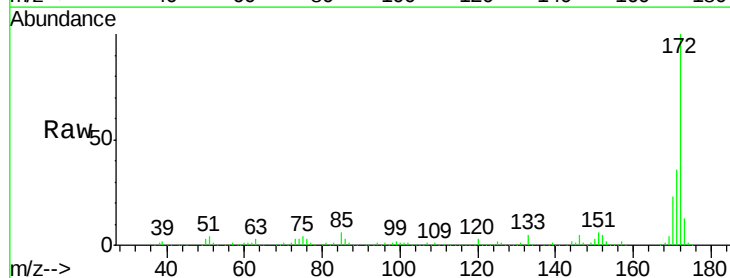


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

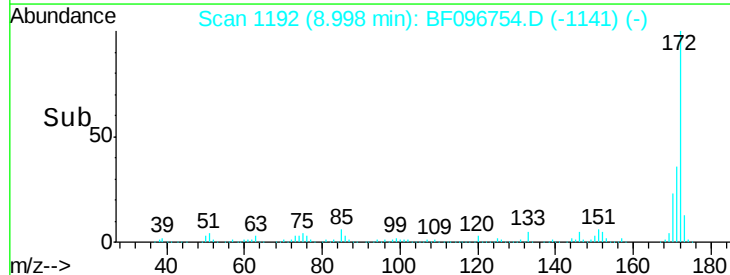
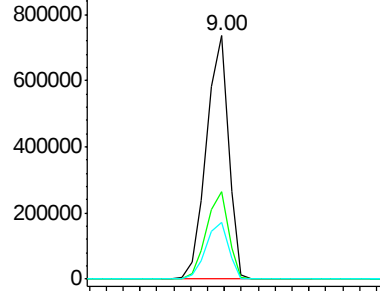


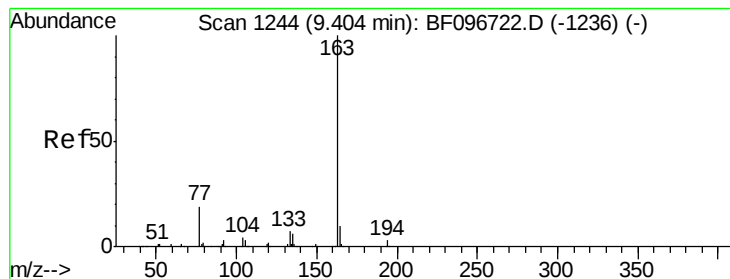
#44
 2-Fluorobiphenyl
 Concen: 75.27 ng
 RT: 9.00 min Scan# 1192
 Delta R.T. 0.00 min
 Lab File: BF096754.D
 Acq: 14 Jul 2017 3:41

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.6	44.4
170	23.1	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: 8.34 ng

RT: 9.39 min Scan# 1259

Delta R.T. -0.01 min

Lab File: BF096754.D

Acq: 14 Jul 2017 3:41

Instrument :

BNA_F

ClientSampleId :

E2-P6-SSW

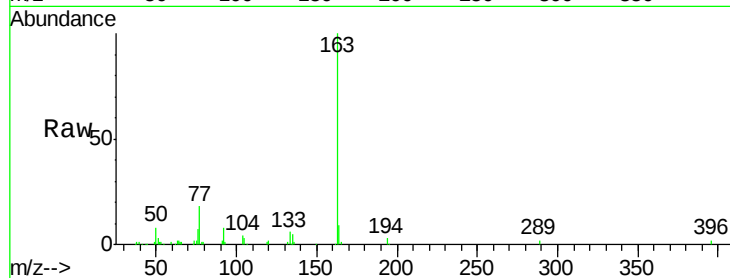
Tot Ion:163 Resp: 88342

Ion Ratio Lower Upper

163 100

194 2.7 2.6 4.0

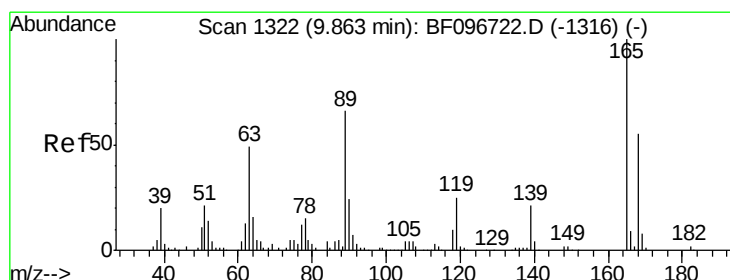
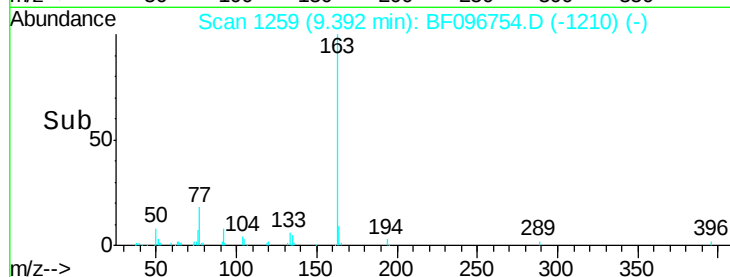
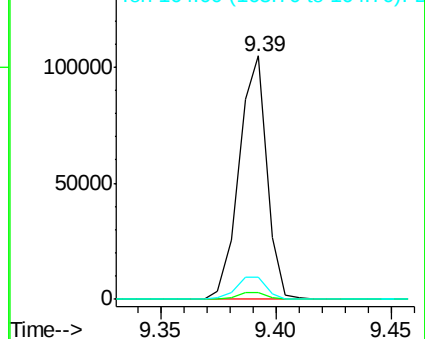
164 9.4 8.4 12.6



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: 6.01 ng

RT: 9.67 min Scan# 1306

Delta R.T. -0.19 min

Lab File: BF096754.D

Acq: 14 Jul 2017 3:41

Tgt Ion:165 Resp: 17727

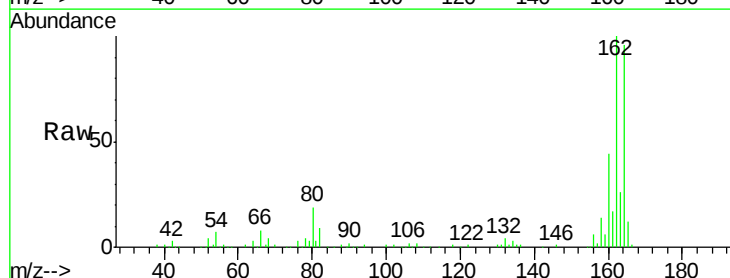
Ion Ratio Lower Upper

165 100

63 0.0 25.4 38.0#

89 1.5 46.4 69.6#

182 0.0 1.8 2.6#

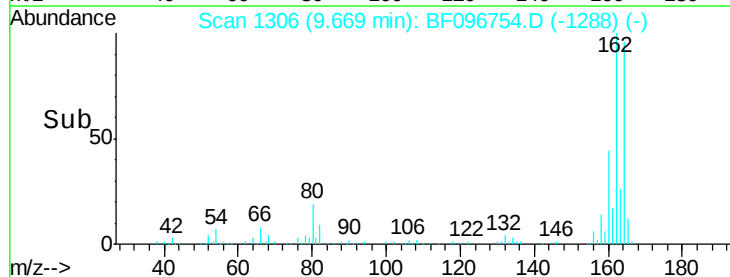
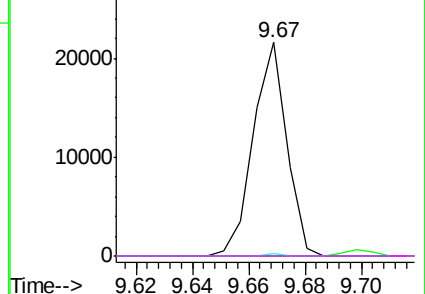


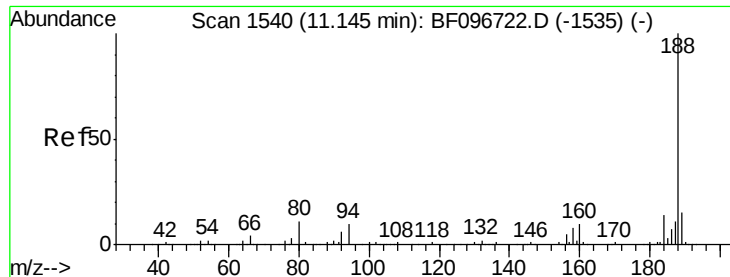
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

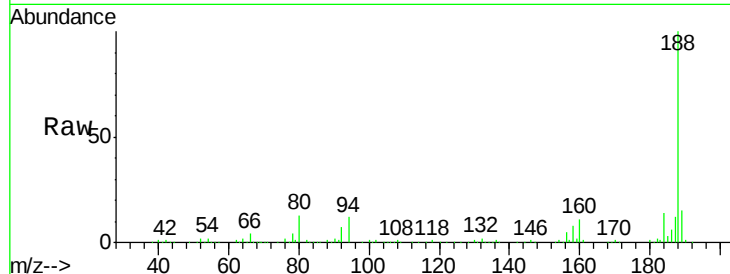




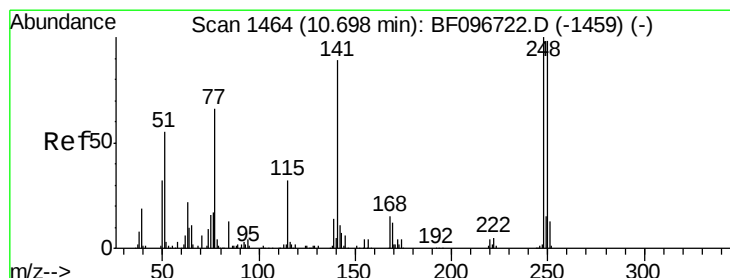
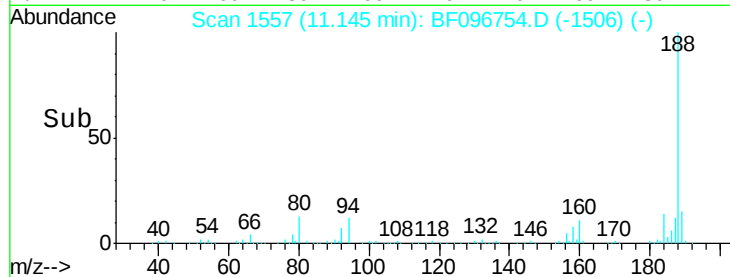
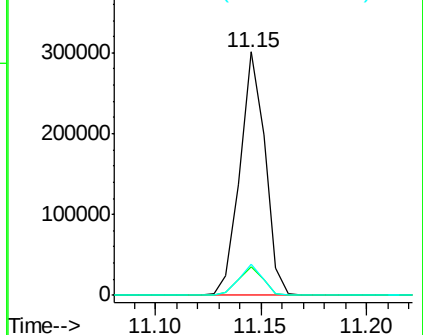
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.15 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BF096754.D
Acq: 14 Jul 2017 3:41

Instrument :
BNA_F
ClientSampleId :
E2-P6-SSW

Tot Ion:188 Resp: 246897
Ion Ratio Lower Upper
188 100
94 12.0 9.4 14.2
80 13.0 10.2 15.2

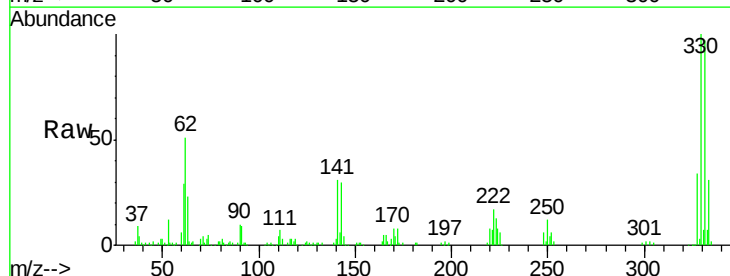


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

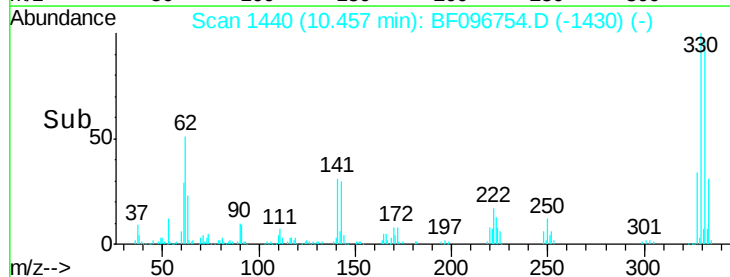
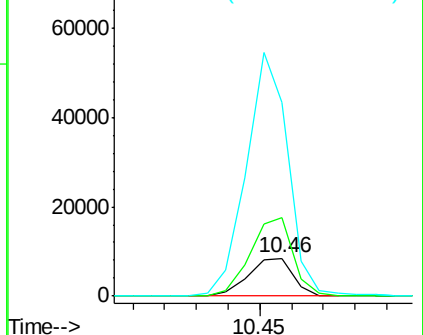


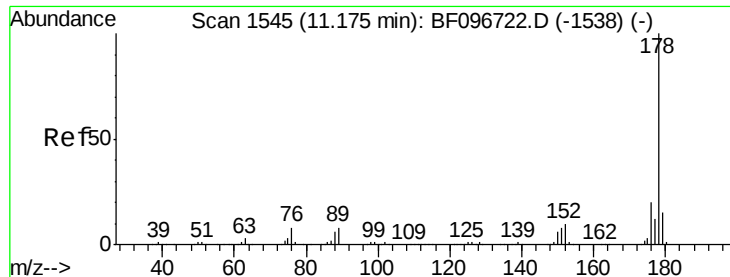
#66
4-Bromophenyl-phenylether
Concen: 3.27 ng
RT: 10.46 min Scan# 1440
Delta R.T. -0.24 min
Lab File: BF096754.D
Acq: 14 Jul 2017 3:41

Tgt Ion:248 Resp: 8233
Ion Ratio Lower Upper
248 100
250 208.3 76.8 115.2#
141 517.2 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

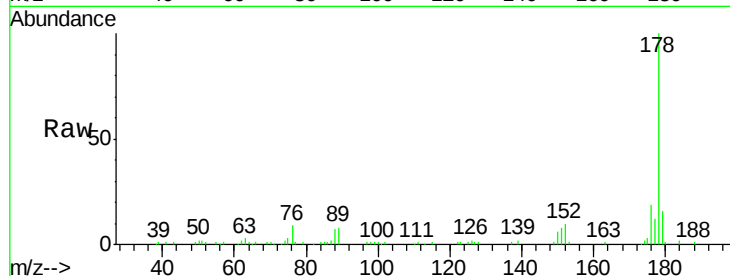




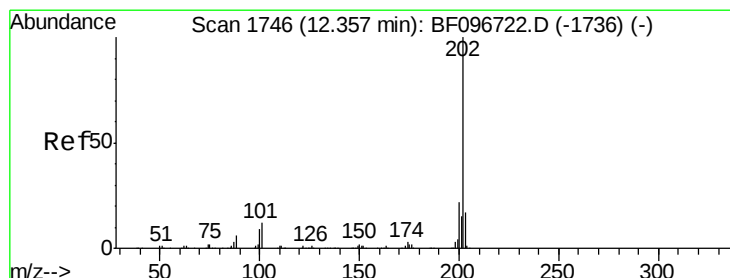
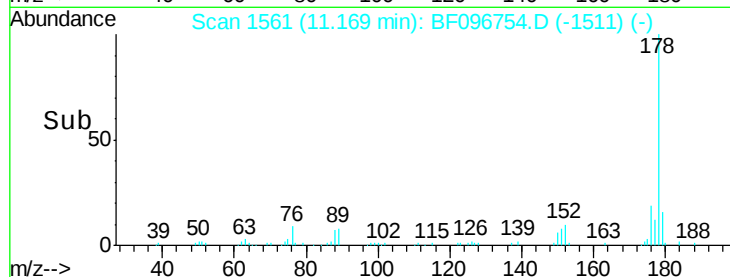
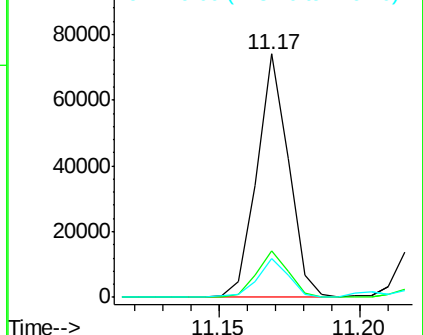
#70
Phenanthrene
Concen: 4.29 ng
RT: 11.17 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF096754.D
Acq: 14 Jul 2017 3:41

Instrument :
BNA_F
ClientSampleId :
E2-P6-SSW

Tot Ion:178 Resp: 57555
Ion Ratio Lower Upper
178 100
176 19.1 16.2 24.4
179 16.0 12.6 19.0

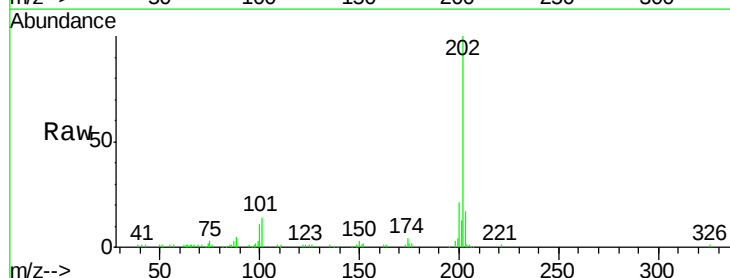


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

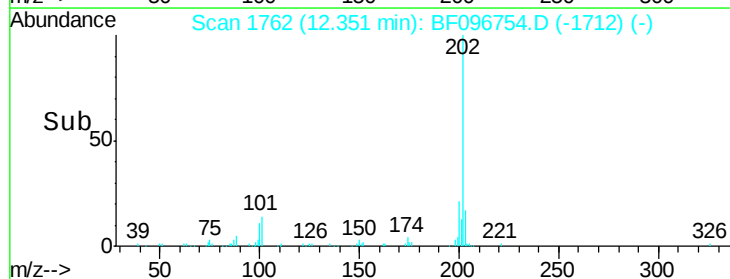
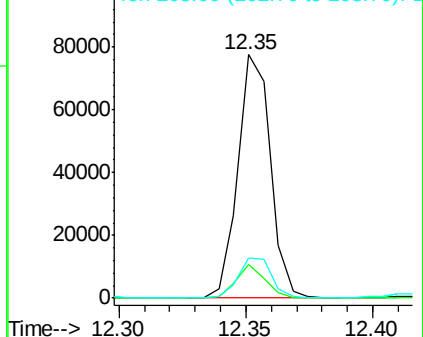


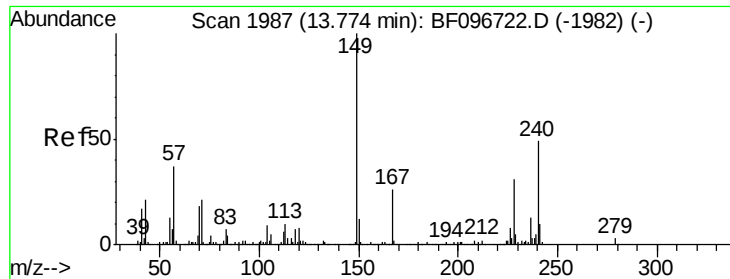
#74
Fluoranthene
Concen: 5.35 ng
RT: 12.35 min Scan# 1762
Delta R.T. -0.01 min
Lab File: BF096754.D
Acq: 14 Jul 2017 3:41

Tgt Ion:202 Resp: 68798
Ion Ratio Lower Upper
202 100
101 13.9 0.0 33.2
203 16.6 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

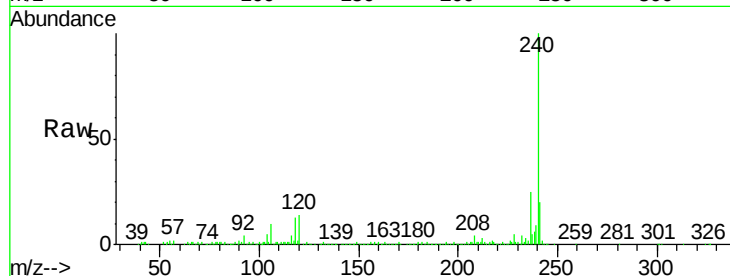




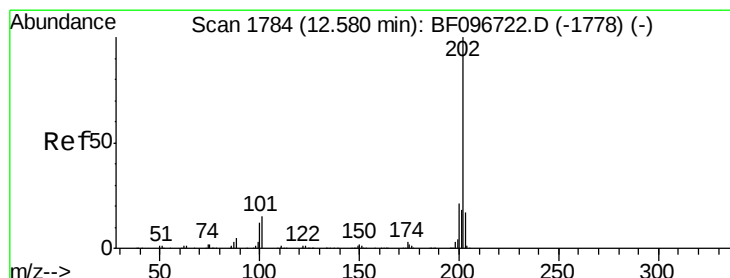
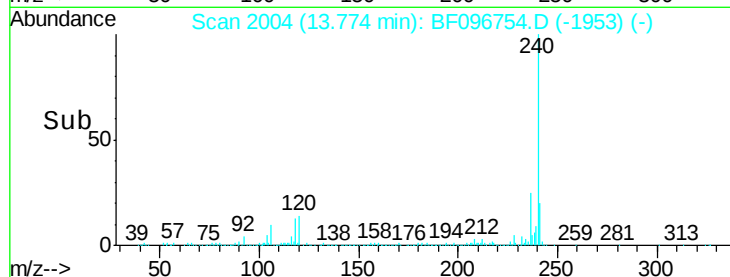
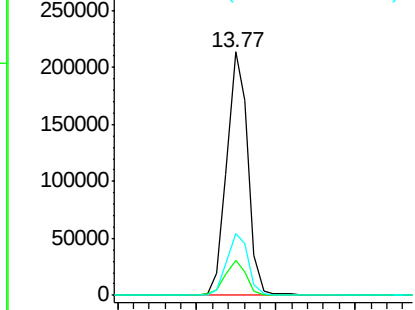
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.77 min Scan# 2004
 Delta R.T. 0.00 min
 Lab File: BF096754.D
 Acq: 14 Jul 2017 3:41

Instrument :
 BNA_F
 ClientSampleId :
 E2-P6-SSW

Tot Ion:240 Resp: 196505
 Ion Ratio Lower Upper
 240 100
 120 14.1 5.8 8.8#
 236 25.3 20.5 30.7

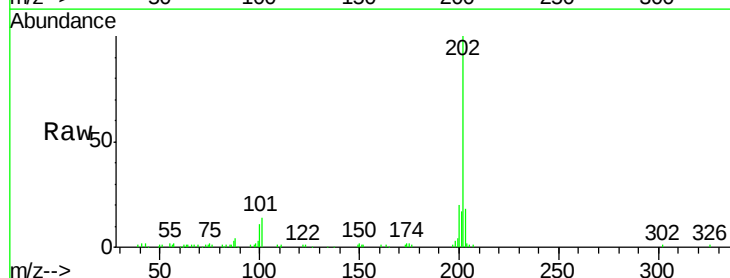


Abundance Ion 240.00 (239.70 to 240.70): E
 Ion 120.00 (119.70 to 120.70): E
 Ion 236.00 (235.70 to 236.70): E

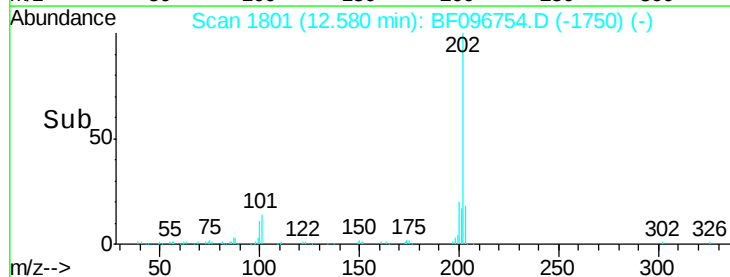
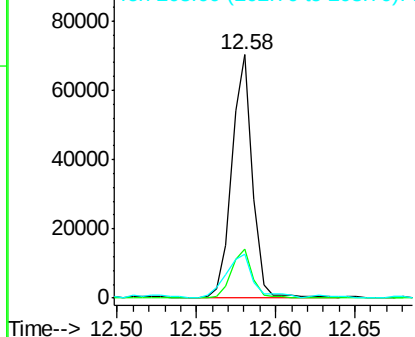


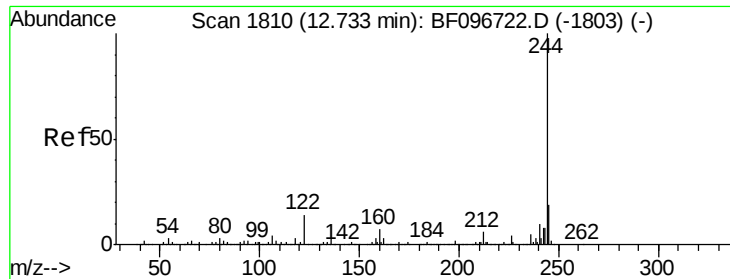
#77
 Pyrene
 Concen: 3.54 ng
 RT: 12.58 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: BF096754.D
 Acq: 14 Jul 2017 3:41

Tgt Ion:202 Resp: 63176
 Ion Ratio Lower Upper
 202 100
 200 20.0 17.6 26.4
 203 18.0 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





#78

Terphenyl-d14

Concen: 39.49 ng

RT: 12.73 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BF096754.D

Acq: 14 Jul 2017 3:41

Instrument :

BNA_F

ClientSampleId :

E2-P6-SSW

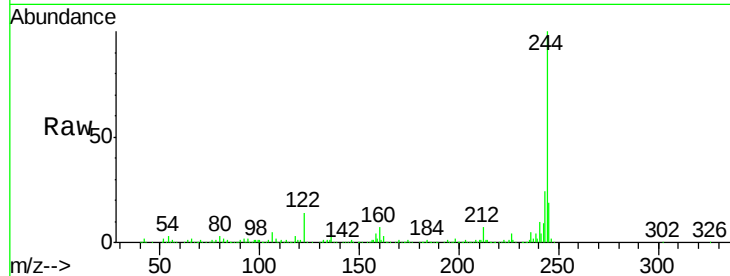
Tot Ion:244 Resp: 447450

Ion Ratio Lower Upper

244 100

212 6.7 6.0 9.0

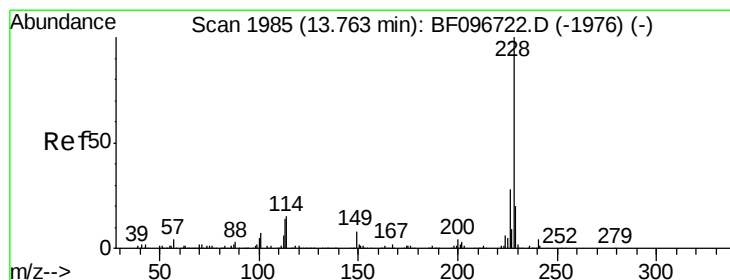
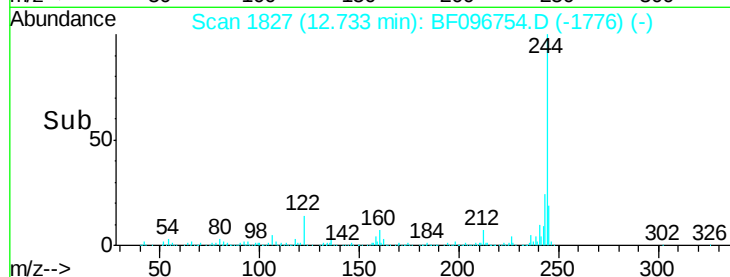
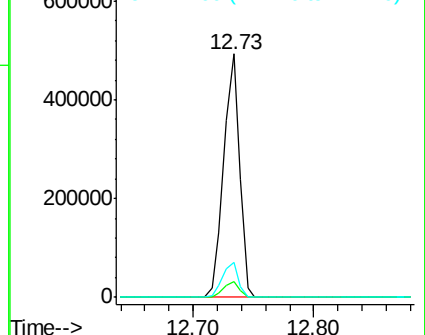
122 14.3 10.3 15.5



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: 2.56 ng

RT: 13.76 min Scan# 2002

Delta R.T. 0.00 min

Lab File: BF096754.D

Acq: 14 Jul 2017 3:41

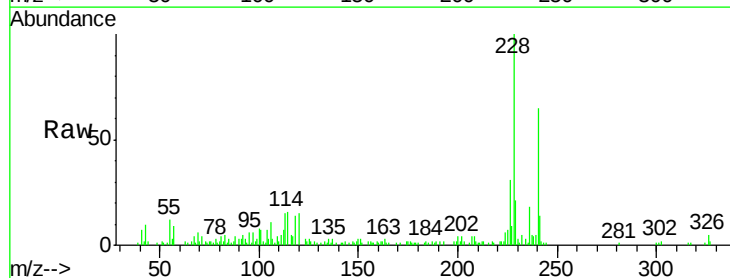
Tgt Ion:228 Resp: 31339

Ion Ratio Lower Upper

228 100

226 30.9 22.6 33.8

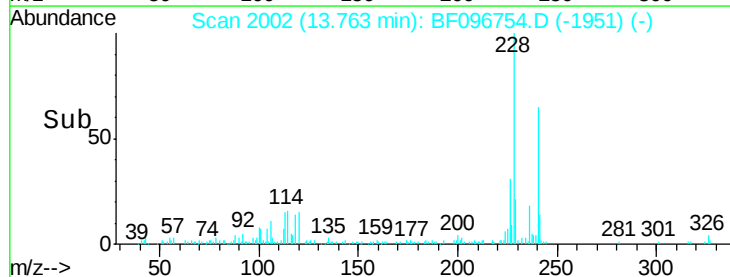
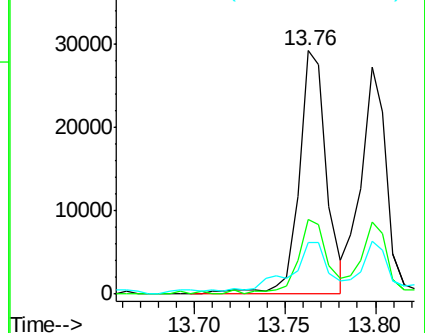
229 21.3 16.3 24.5

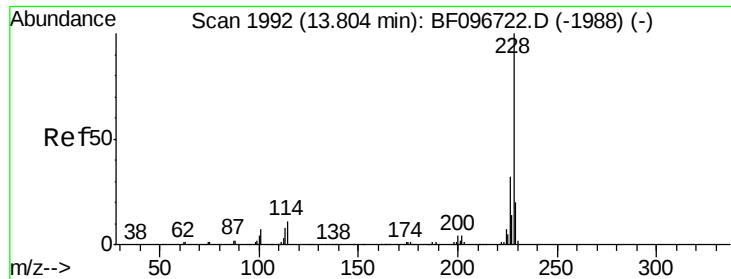


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

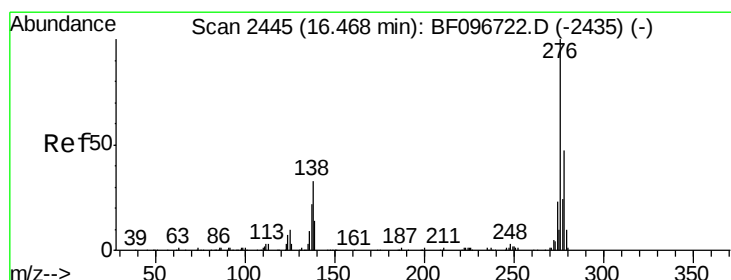
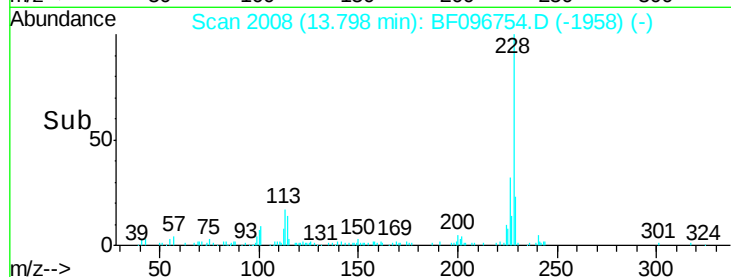
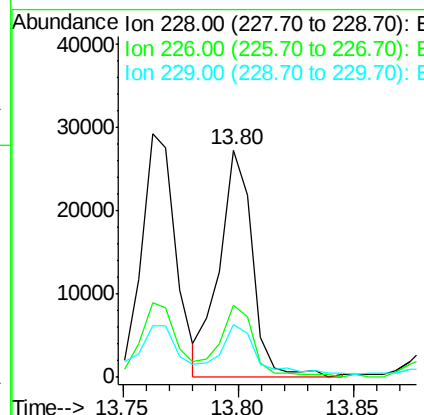
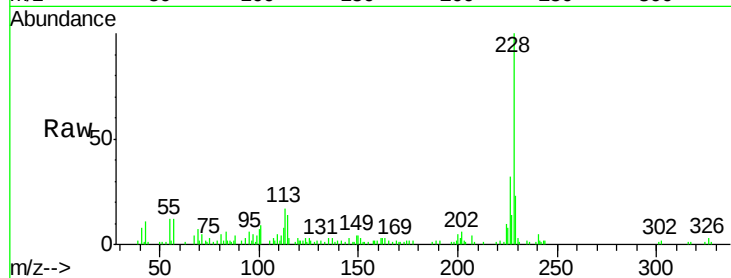




#82
Chrysene
Concen: 2.27 ng
RT: 13.80 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF096754.D
Acq: 14 Jul 2017 3:41

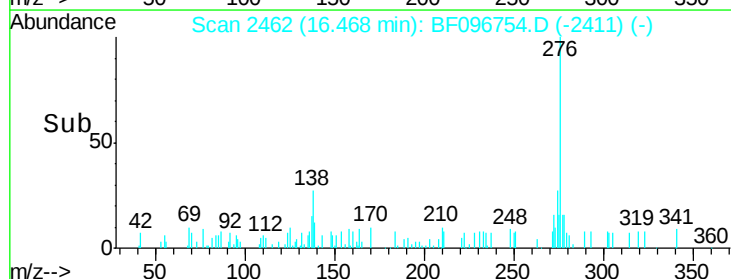
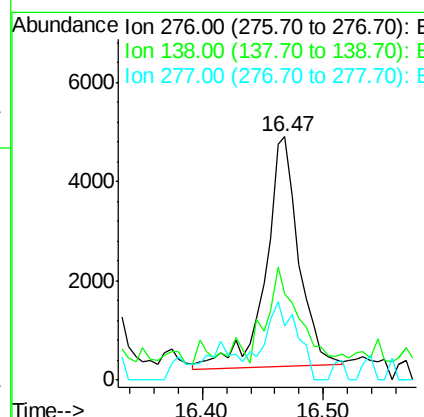
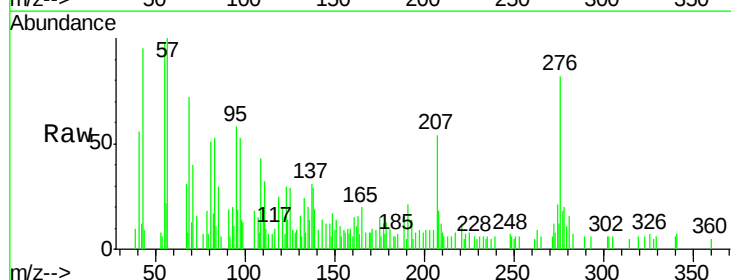
Instrument :
BNA_F
ClientSampleId :
E2-P6-SSW

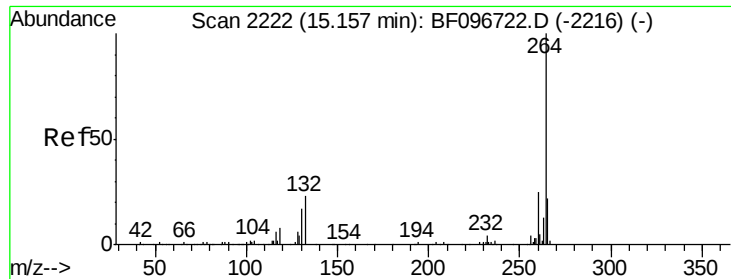
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.9	24.9	37.3
229	23.3	15.8	23.6



#85
Indeno(1,2,3-cd)pyrene
Concen: 4.09 ng
RT: 16.47 min Scan# 2462
Delta R.T. 0.00 min
Lab File: BF096754.D
Acq: 14 Jul 2017 3:41

Tgt Ion	Ratio	Lower	Upper
276	100		
138	39.4	27.8	41.6
277	34.1	20.2	30.4

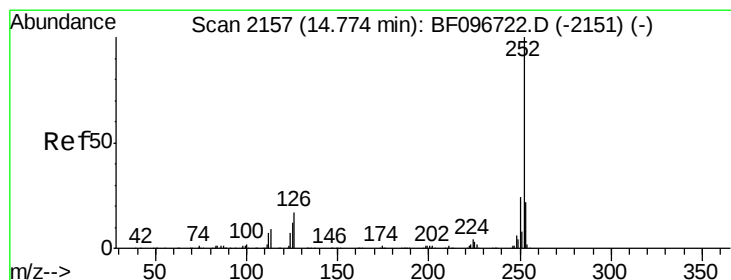
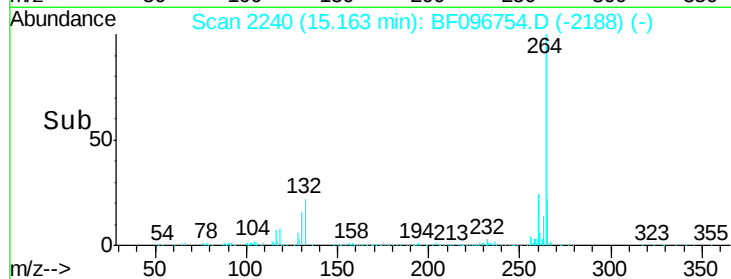
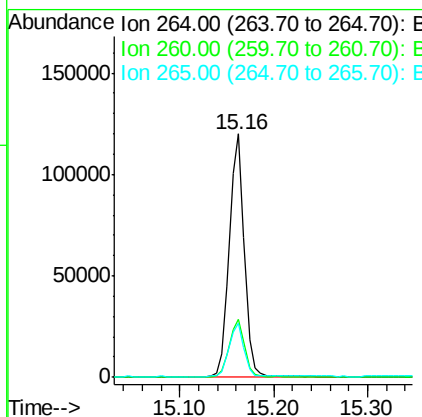
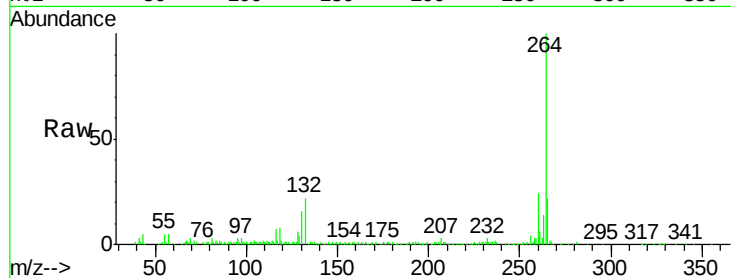




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.16 min Scan# 2240
Delta R.T. 0.01 min
Lab File: BF096754.D
Acq: 14 Jul 2017 3:41

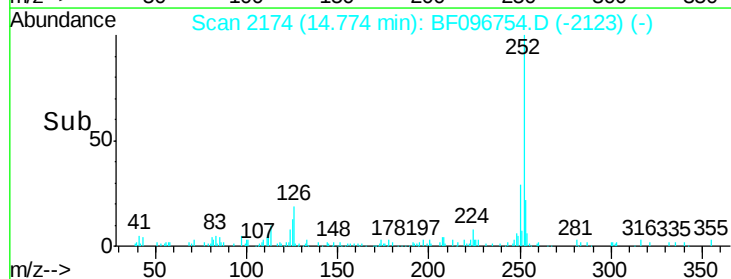
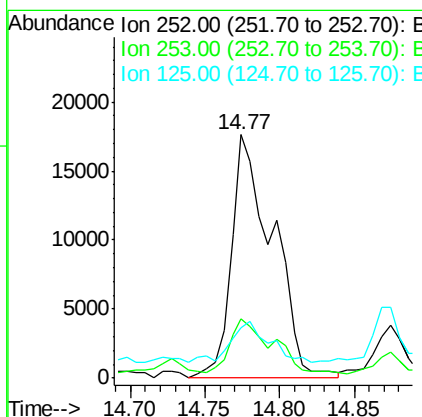
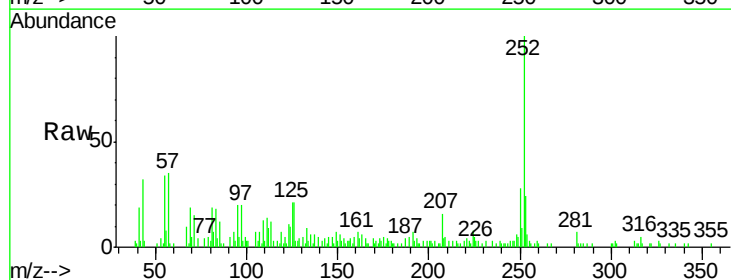
Instrument :
BNA_F
ClientSampleId :
E2-P6-SSW

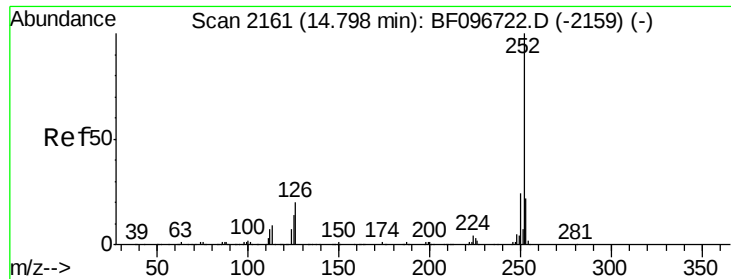
Tot Ion:264 Resp: 135516
Ion Ratio Lower Upper
264 100
260 23.9 19.5 29.3
265 22.2 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 4.17 ng
RT: 14.77 min Scan# 2174
Delta R.T. 0.00 min
Lab File: BF096754.D
Acq: 14 Jul 2017 3:41

Tgt Ion:252 Resp: 34119
Ion Ratio Lower Upper
252 100
253 24.5 18.1 27.1
125 20.9 9.8 14.8#

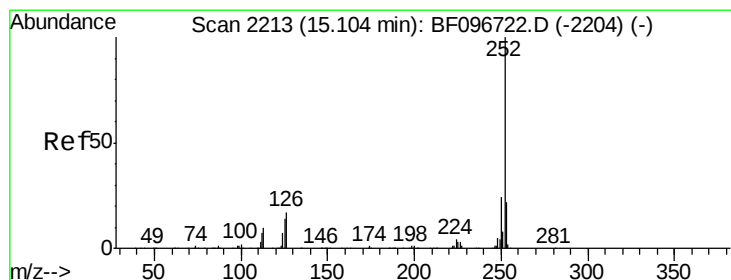
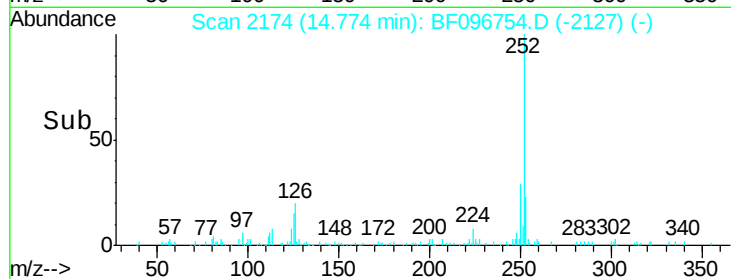
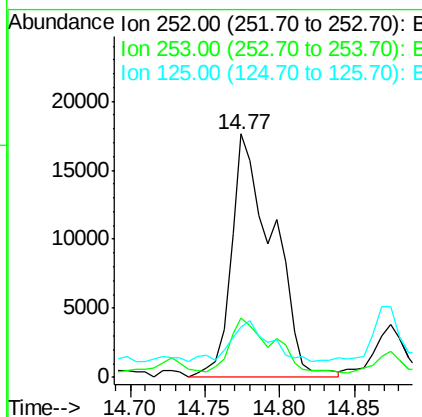
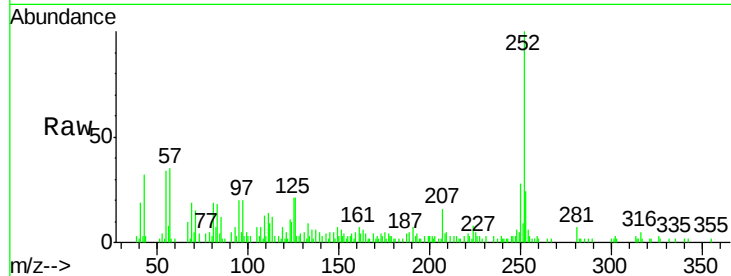




#88
Benzo(k)fluoranthene
Concen: 4.41 ng
RT: 14.77 min Scan# 2174
Delta R.T. -0.02 min
Lab File: BF096754.D
Acq: 14 Jul 2017 3:41

Instrument :
BNA_F
ClientSampleId :
E2-P6-SSW

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	18.4	27.6
125	20.9	13.1	19.7



#89
Benzo(a)pyrene
Concen: 2.44 ng
RT: 15.10 min Scan# 2230
Delta R.T. 0.00 min
Lab File: BF096754.D
Acq: 14 Jul 2017 3:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	21.0	11.0	16.4

