

Data Path : Z:\HPCHEM1\BNA F\DATA\BF072117\
 Data File : BF096940.D
 Acq On : 21 Jul 2017 13:22
 Operator : SJ/JU
 Sample : I4253-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-O-P-6-7-SSW

Quant Time: Jul 24 11:18:25 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF071317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 18 13:33:22 2017
 Response via : Initial Calibration

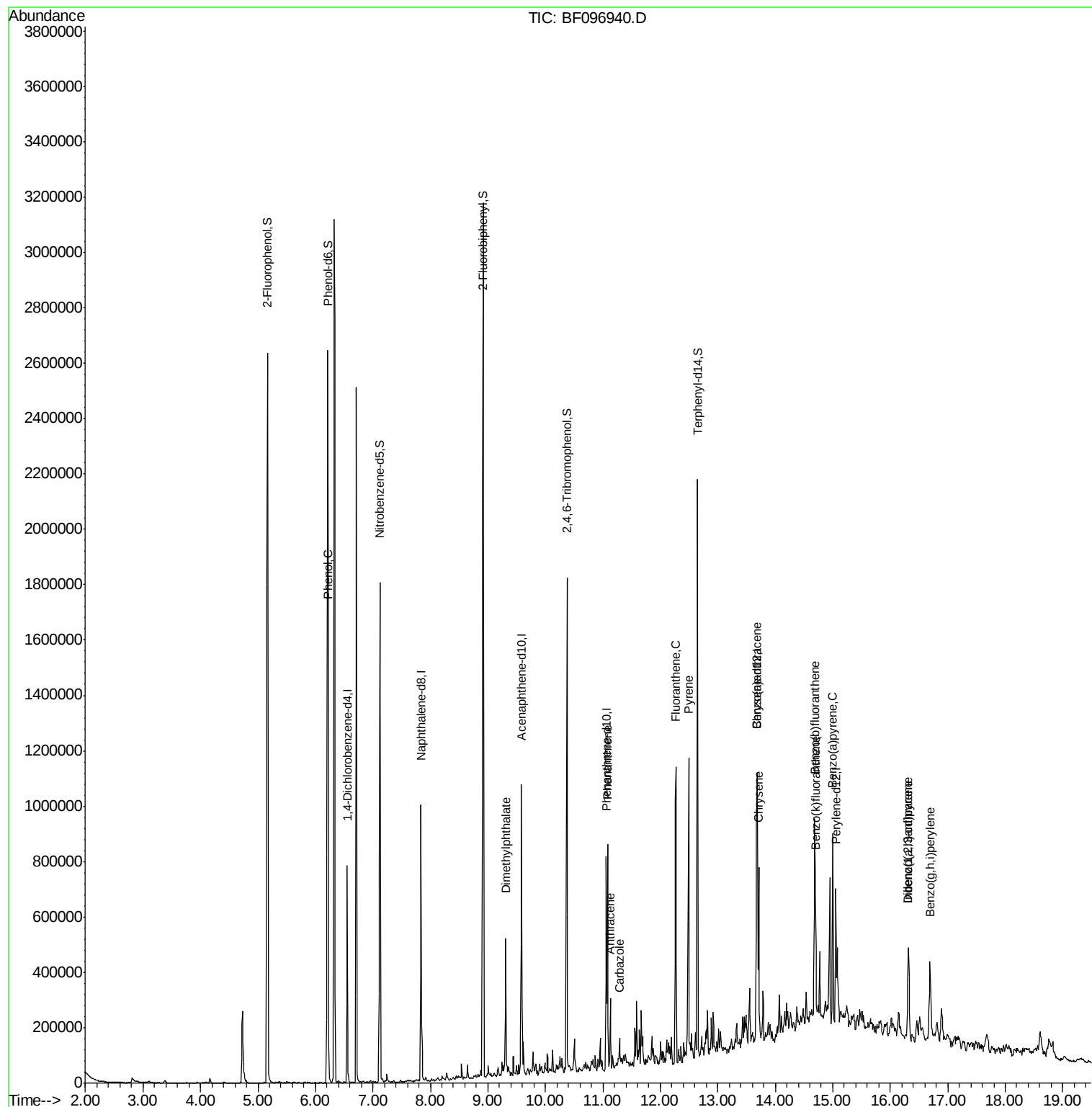
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.55	152	114594	20.00	ng	-0.05
21) Naphthalene-d8	7.83	136	454873	20.00	ng	-0.05
38) Acenaphthene-d10	9.58	164	210643	20.00	ng	-0.05
63) Phenanthrene-d10	11.06	188	289980	20.00	ng	-0.05
75) Chrysene-d12	13.69	240	208332	20.00	ng	-0.05
86) Perylene-d12	15.05	264	203010	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.17	112	872282	114.45	ng	-0.03
7) Phenol-d6	6.22	99	1103687	120.68	ng	-0.04
23) Nitrobenzene-d5	7.12	82	636427	86.66	ng	-0.05
41) 2,4,6-Tribromophenol	10.37	330	211834	117.82	ng	-0.05
44) 2-Fluorobiphenyl	8.92	172	1058593	79.40	ng	-0.05
78) Terphenyl-d14	12.65	244	680343	56.64	ng	-0.05
Target Compounds						
10) Phenol	6.23	94	22870	2.212	ng	91
49) Dimethylphthalate	9.31	163	172253	10.860	ng	99
70) Phenanthrene	11.08	178	308662	19.576	ng	98
71) Anthracene	11.13	178	84803	5.320	ng	98
72) Carbazole	11.29	167	37121	2.405	ng	97
74) Fluoranthene	12.27	202	434168	28.768	ng	99
77) Pyrene	12.49	202	441468	23.349	ng	98
80) Benzo(a)anthracene	13.67	228	280758	21.629	ng	97
82) Chrysene	13.71	228	238723m	18.681	ng	
85) Indeno(1,2,3-cd)pyrene	16.32	276	202201	19.402	ng	94
87) Benzo(b)fluoranthene	14.69	252	384644m	31.415	ng	
88) Benzo(k)fluoranthene	14.70	252	114943m	9.914	ng	
89) Benzo(a)pyrene	15.00	252	308767	27.495	ng	95
90) Dibenzo(a,h)anthracene	16.32	278	49987m	4.838	ng	
91) Benzo(a,h,i)perylene	16.69	276	194328	17.562	ng	97

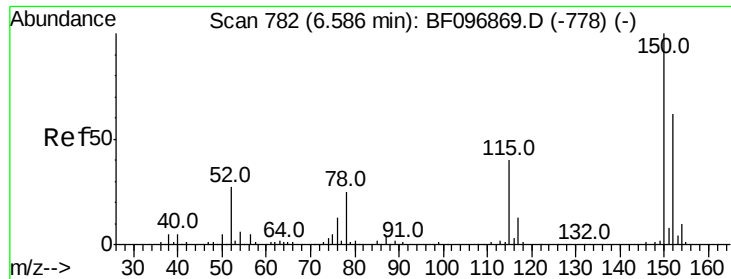
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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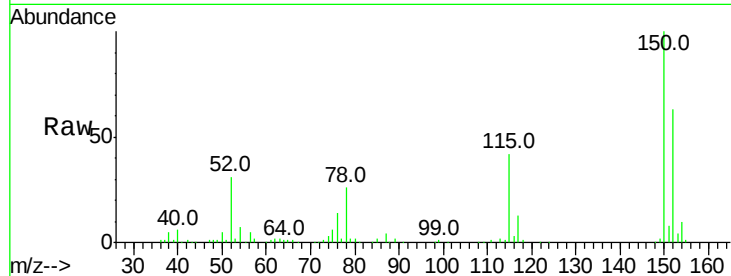


#1

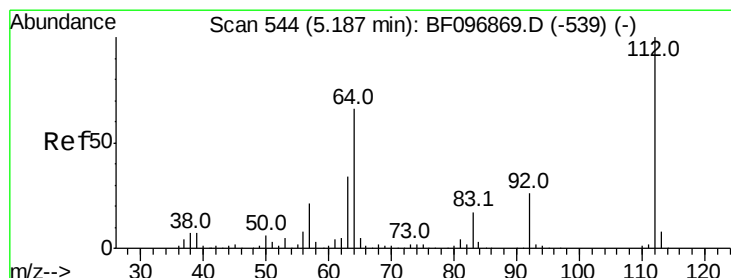
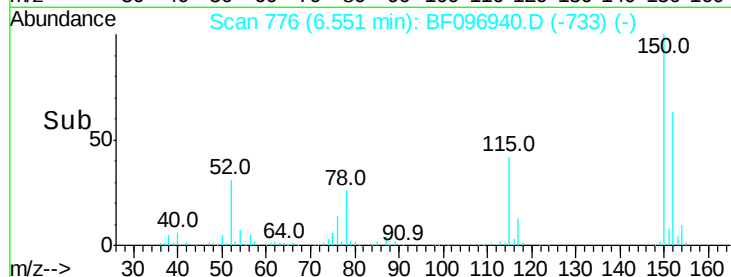
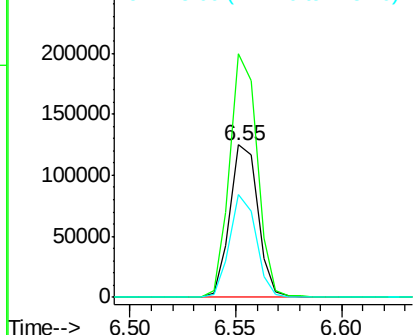
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.55 min Scan# 776
Delta R.T. -0.05 min
Lab File: BF096940.D
Acq: 21 Jul 2017 13:22

Instrument :
BNA_F
ClientSampleId :
E2-O-P-6-7-SSW

Tot Ion:152 Resp: 114594
Ion Ratio Lower Upper
152 100
150 159.5 126.2 189.2
115 67.2 52.2 78.2



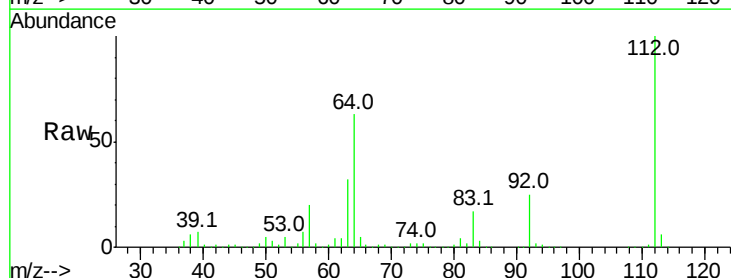
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



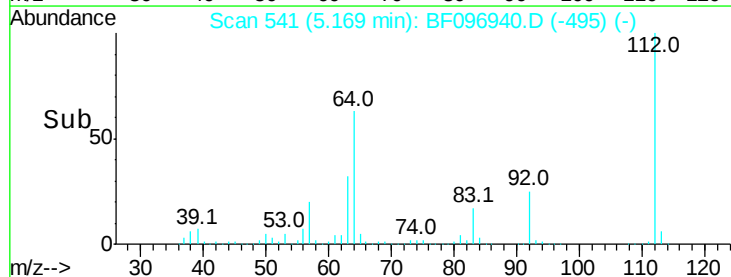
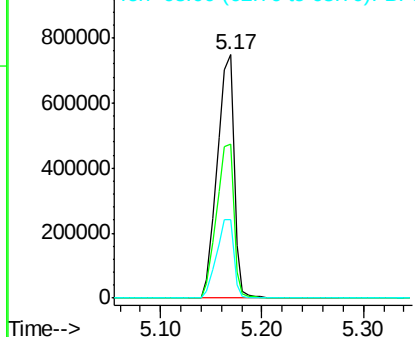
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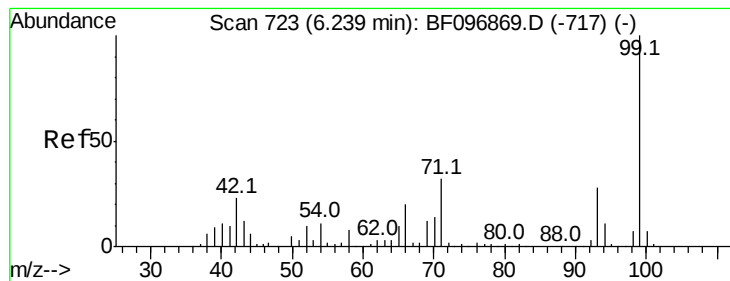
2-Fluorophenol
Concen: 114.452 ng
RT: 5.17 min Scan# 541
Delta R.T. -0.03 min
Lab File: BF096940.D
Acq: 21 Jul 2017 13:22

Tgt Ion:112 Resp: 872282
Ion Ratio Lower Upper
112 100
64 63.3 46.0 69.0
63 32.5 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: 120.676 ng

RT: 6.22 min Scan# 719

Delta R.T. -0.04 min

Lab File: BF096940.D

Acq: 21 Jul 2017 13:22

Instrument :

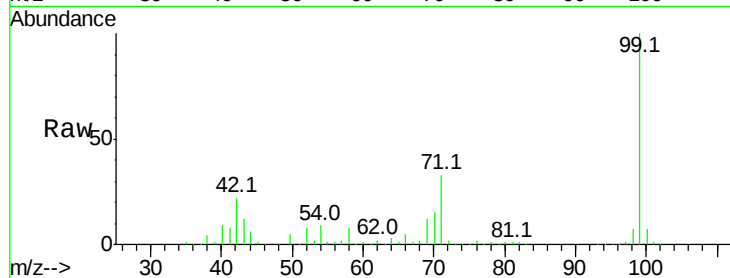
BNA_F

ClientSampleId :

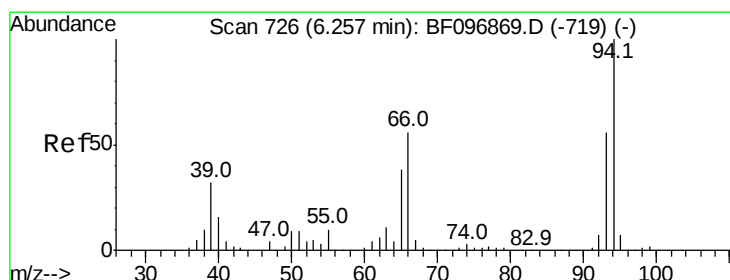
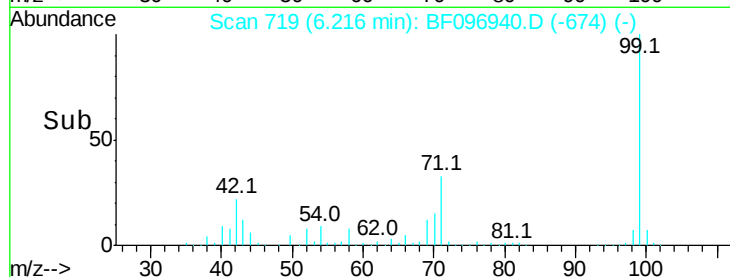
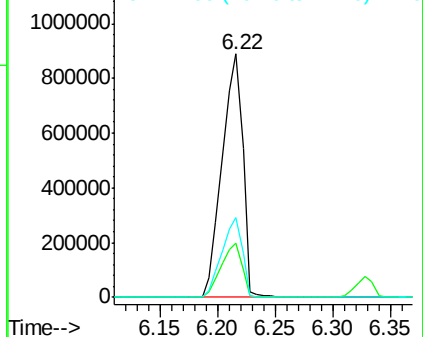
E2-O-P-6-7-SSW

Tot Ion: 99 Resp: 1103687

Ion	Ratio	Lower	Upper
99	100		
42	22.4	13.5	20.3#
71	33.0	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



#10

Phenol

Concen: 2.212 ng

RT: 6.23 min Scan# 721

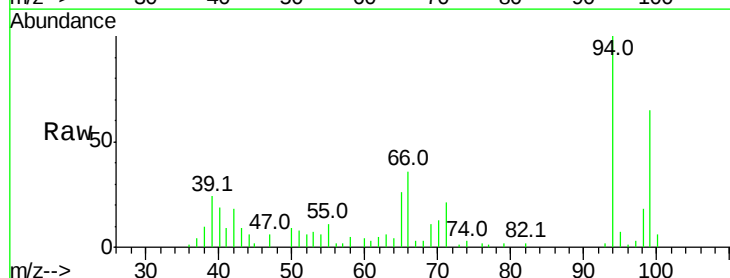
Delta R.T. -0.04 min

Lab File: BF096940.D

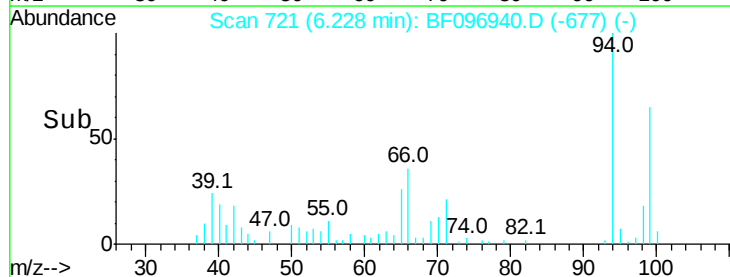
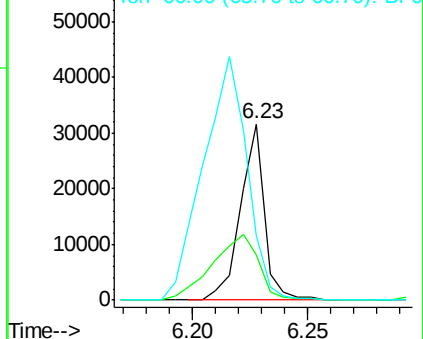
Acq: 21 Jul 2017 13:22

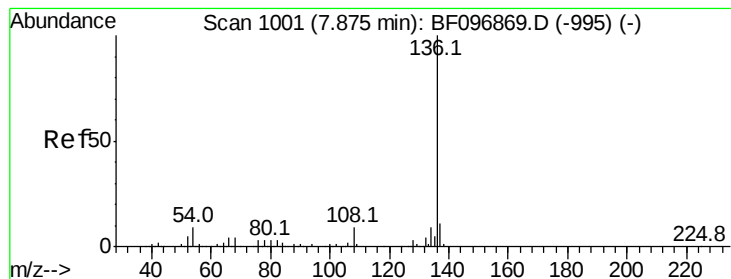
Tgt Ion: 94 Resp: 22870

Ion	Ratio	Lower	Upper
94	100		
65	25.7	9.9	49.9
66	36.5	23.1	63.1



Abundance Ion 94.00 (93.70 to 94.70): BF0
Ion 65.00 (64.70 to 65.70): BF0
Ion 66.00 (65.70 to 66.70): BF0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.83 min Scan# 994

Delta R.T. -0.05 min

Lab File: BF096940.D

Acq: 21 Jul 2017 13:22

Instrument :

BNA_F

ClientSampleId :

E2-O-P-6-7-SSW

Tot Ion:136 Resp: 454873

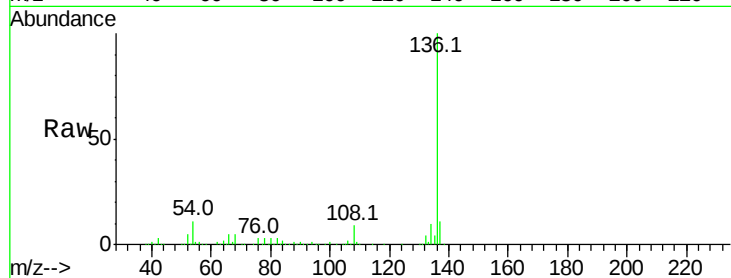
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 10.8 4.9 7.3#

68 5.3 4.1 6.1

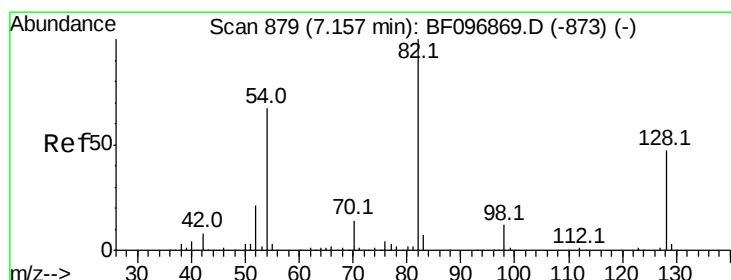
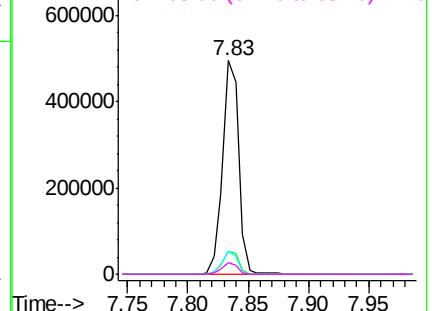
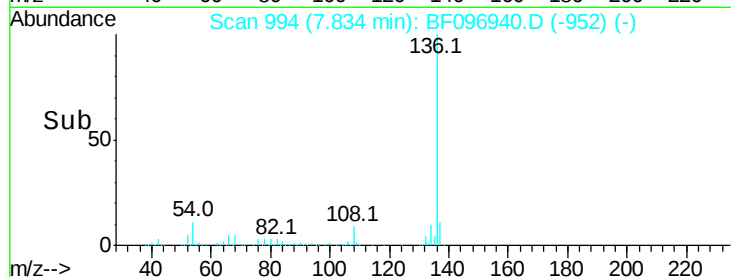


Abundance Ion 136.00 (135.70 to 136.70): E

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: 86.663 ng

RT: 7.12 min Scan# 873

Delta R.T. -0.05 min

Lab File: BF096940.D

Acq: 21 Jul 2017 13:22

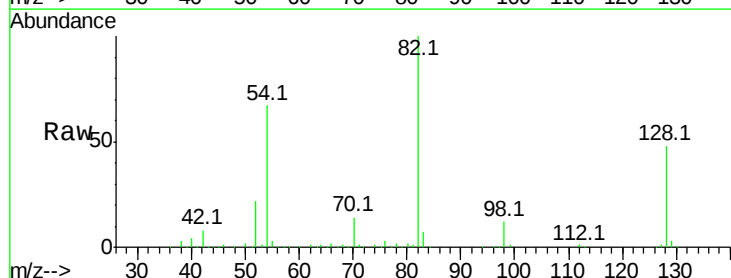
Tgt Ion: 82 Resp: 636427

Ion Ratio Lower Upper

82 100

128 47.6 34.0 51.0

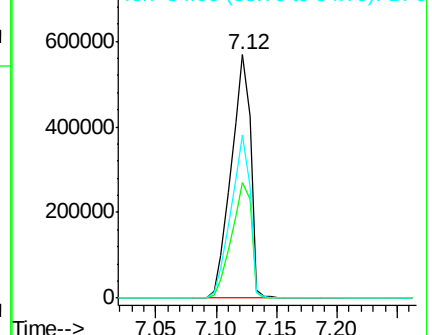
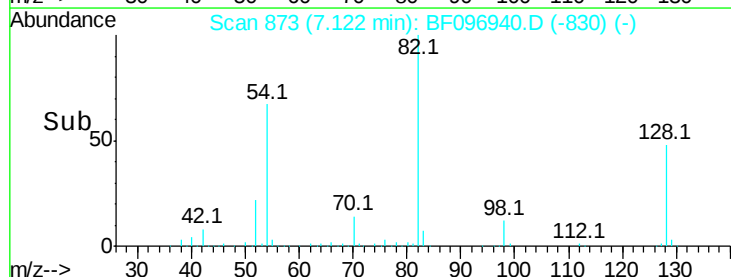
54 66.9 42.2 63.2#

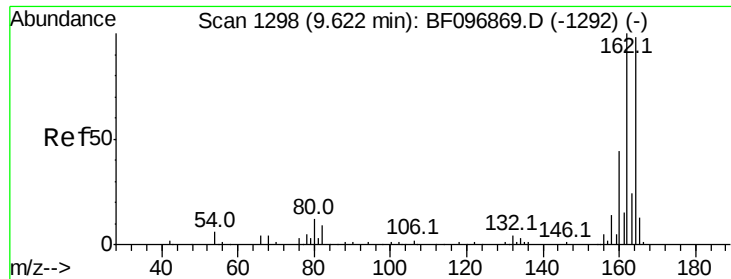


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

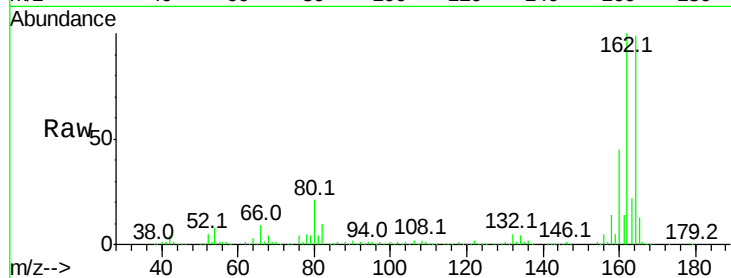




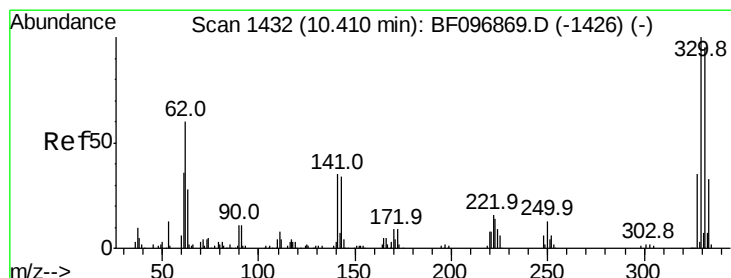
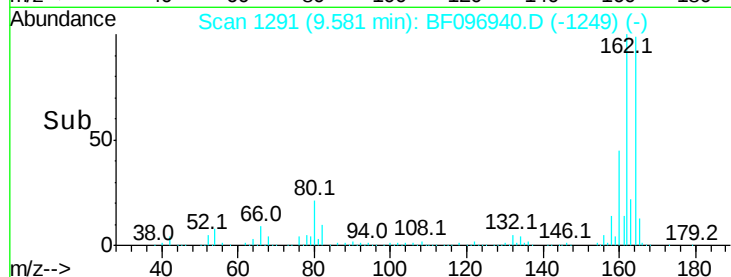
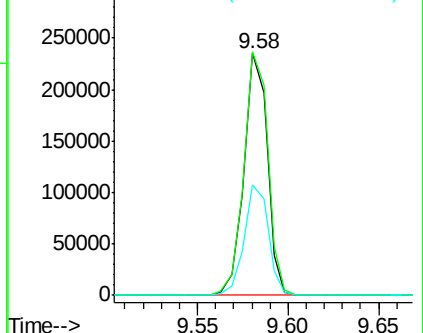
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.58 min Scan# 1291
 Delta R.T. -0.05 min
 Lab File: BF096940.D
 Acq: 21 Jul 2017 13:22

Instrument :
 BNA_F
 ClientSampleId :
 E2-O-P-6-7-SSW

Tot Ion:164 Resp: 210643
 Ion Ratio Lower Upper
 164 100
 162 100.5 82.6 123.8
 160 45.4 36.2 54.2

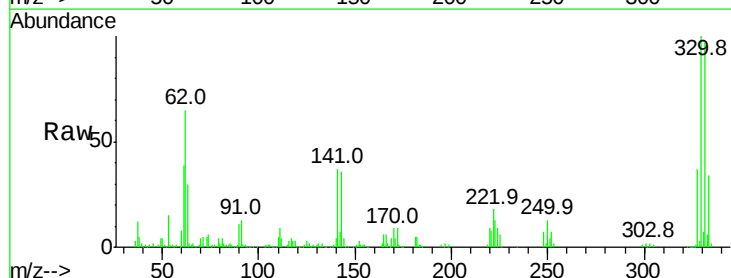


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

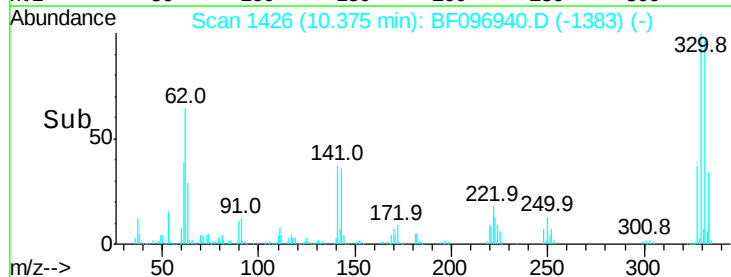
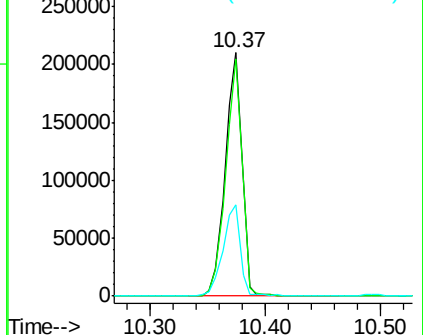


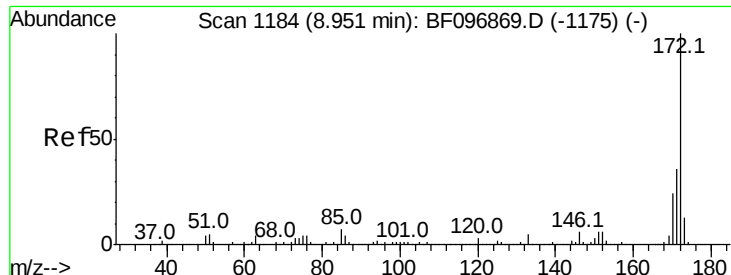
#41
 2,4,6-Tribromophenol
 Concen: 117.815 ng
 RT: 10.37 min Scan# 1426
 Delta R.T. -0.05 min
 Lab File: BF096940.D
 Acq: 21 Jul 2017 13:22

Tgt Ion:330 Resp: 211834
 Ion Ratio Lower Upper
 330 100
 332 94.9 76.6 115.0
 141 38.1 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

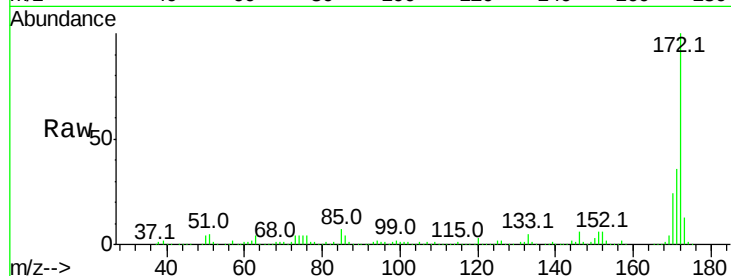




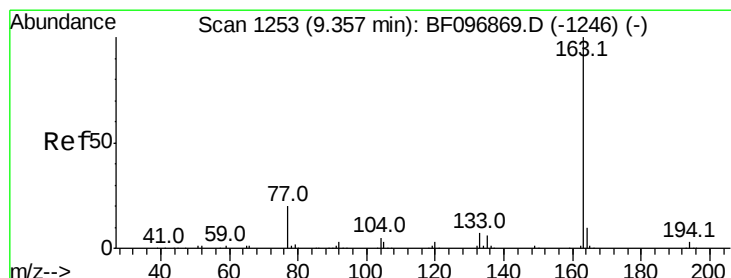
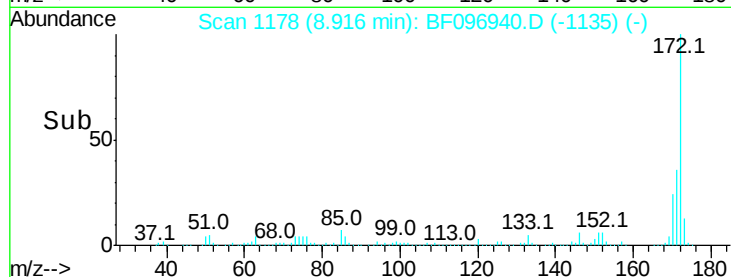
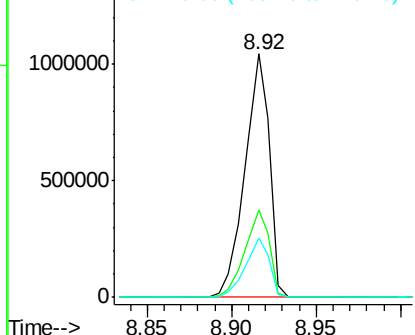
#44
2-Fluorobiphenyl
Concen: 79.399 ng
RT: 8.92 min Scan# 1178
Delta R.T. -0.05 min
Lab File: BF096940.D
Acq: 21 Jul 2017 13:22

Instrument :
BNA_F
ClientSampleId :
E2-O-P-6-7-SSW

Tot Ion:172 Resp: 1058593
Ion Ratio Lower Upper
172 100
171 36.0 29.6 44.4
170 24.5 19.8 29.8

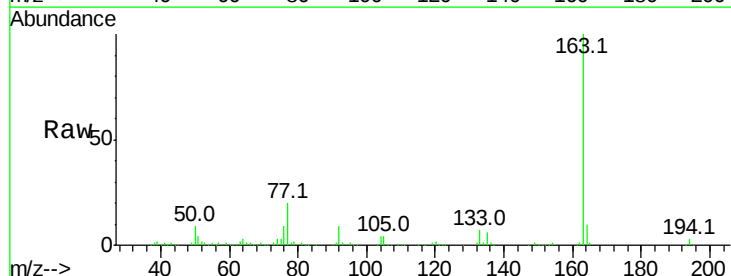


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

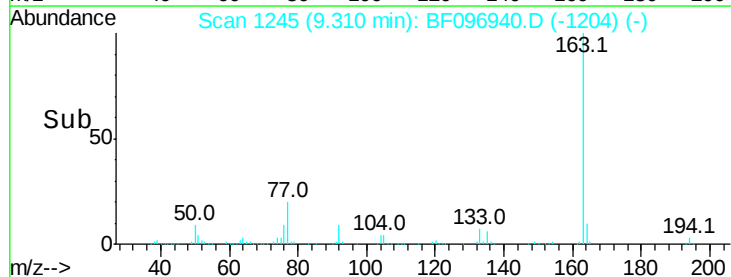
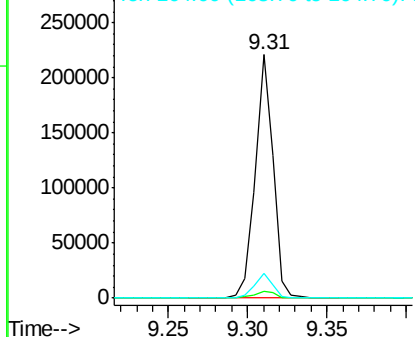


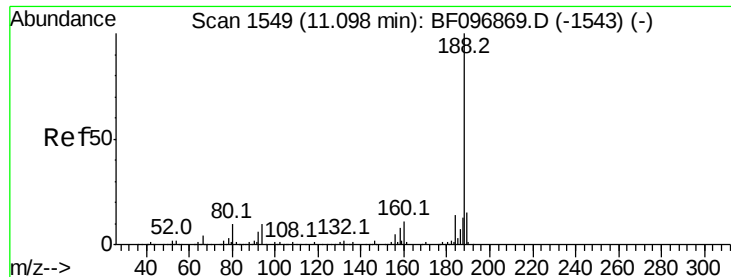
#49
Dimethylphthalate
Concen: 10.860 ng
RT: 9.31 min Scan# 1245
Delta R.T. -0.06 min
Lab File: BF096940.D
Acq: 21 Jul 2017 13:22

Tgt Ion:163 Resp: 172253
Ion Ratio Lower Upper
163 100
194 3.0 2.6 4.0
164 10.0 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

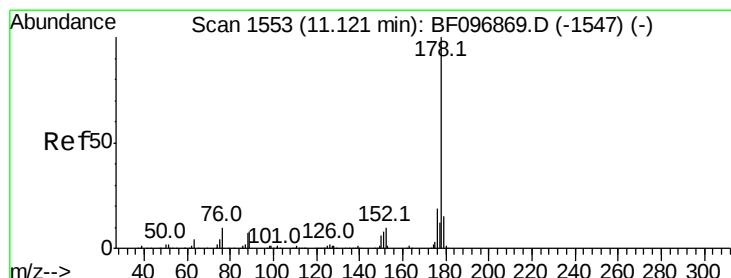
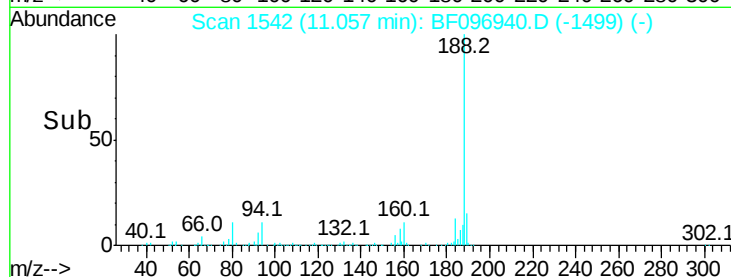
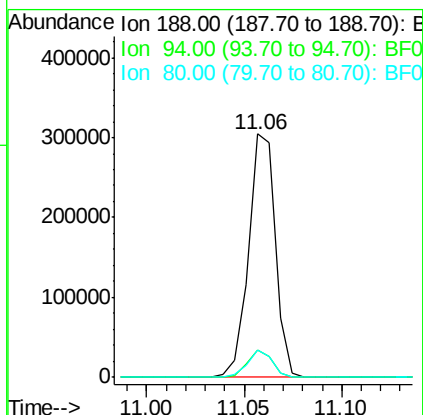
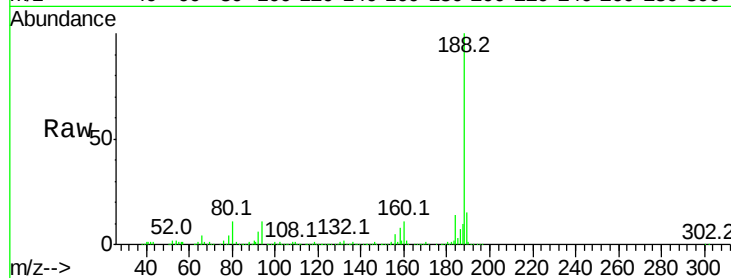




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.06 min Scan# 1542
Delta R.T. -0.05 min
Lab File: BF096940.D
Acq: 21 Jul 2017 13:22

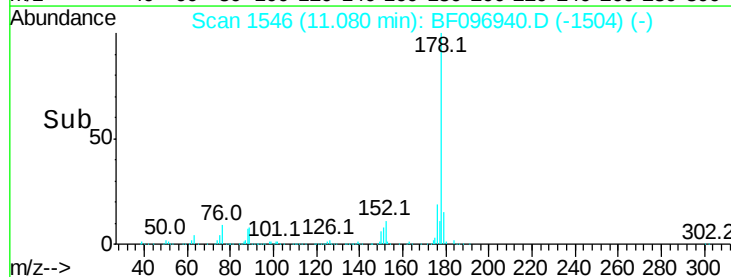
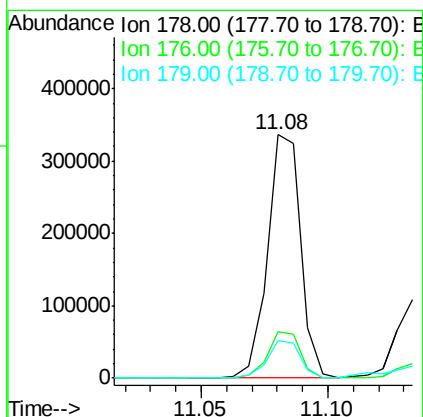
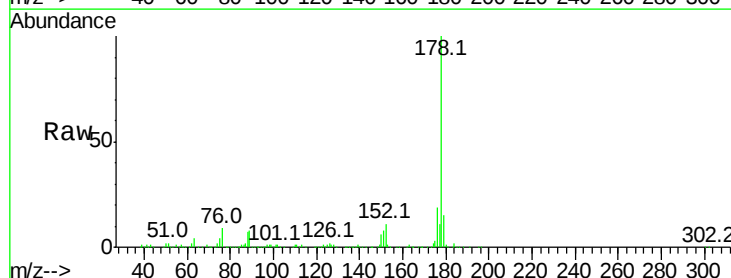
Instrument :
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E2-O-P-6-7-SSW

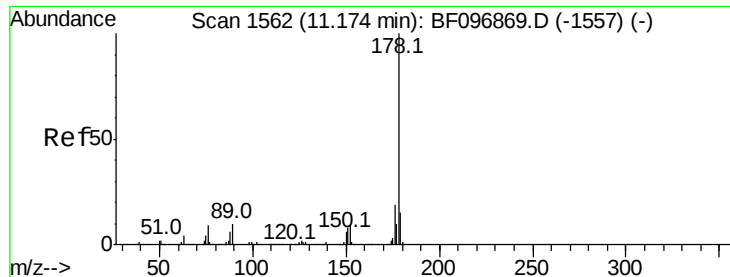
Tot Ion:188 Resp: 289980
Ion Ratio Lower Upper
188 100
94 11.4 9.4 14.2
80 11.4 10.2 15.2



#70
Phenanthrene
Concen: 19.576 ng
RT: 11.08 min Scan# 1546
Delta R.T. -0.05 min
Lab File: BF096940.D
Acq: 21 Jul 2017 13:22

Tgt Ion:178 Resp: 308662
Ion Ratio Lower Upper
178 100
176 19.1 16.2 24.4
179 15.4 12.6 19.0





#71

Anthracene

Concen: 5.320 ng

RT: 11.13 min Scan# 1555

Delta R.T. -0.05 min

Lab File: BF096940.D

Acq: 21 Jul 2017 13:22

Instrument :

BNA_F

ClientSampleId :

E2-O-P-6-7-SSW

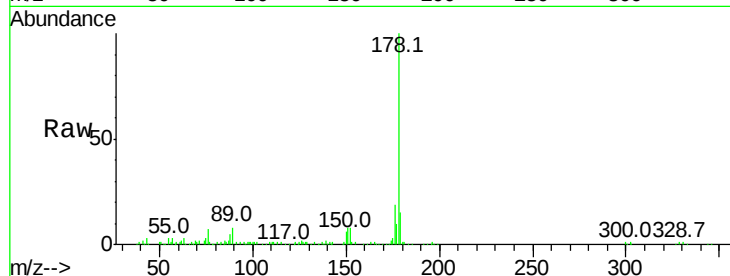
Tot Ion:178 Resp: 84803

Ion Ratio Lower Upper

178 100

176 18.9 15.8 23.8

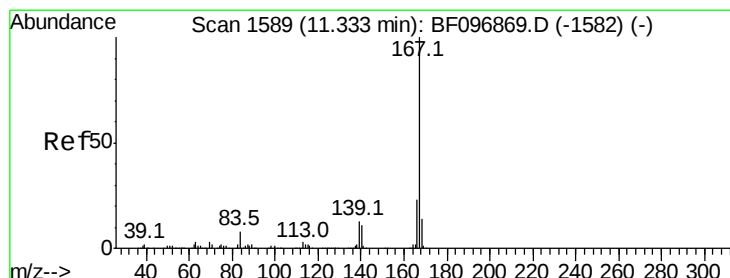
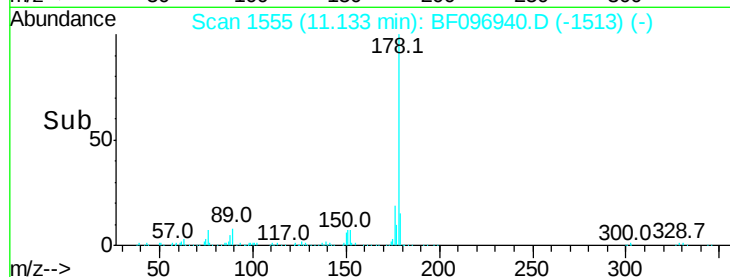
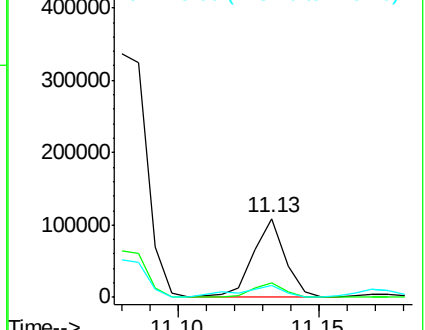
179 14.6 12.7 19.1



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



#72

Carbazole

Concen: 2.405 ng

RT: 11.29 min Scan# 1582

Delta R.T. -0.05 min

Lab File: BF096940.D

Acq: 21 Jul 2017 13:22

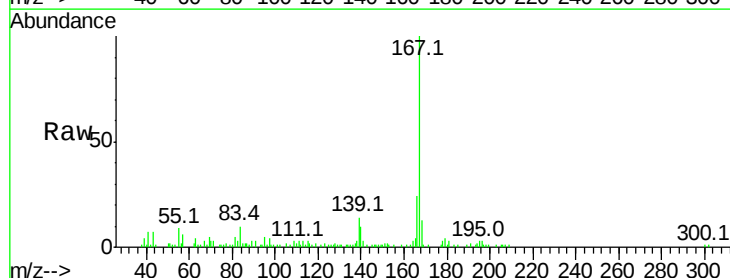
Tgt Ion:167 Resp: 37121

Ion Ratio Lower Upper

167 100

166 24.3 18.1 27.1

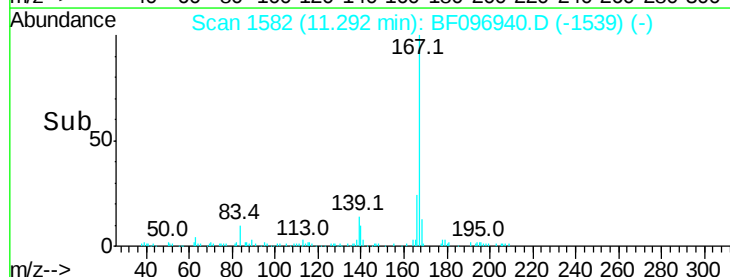
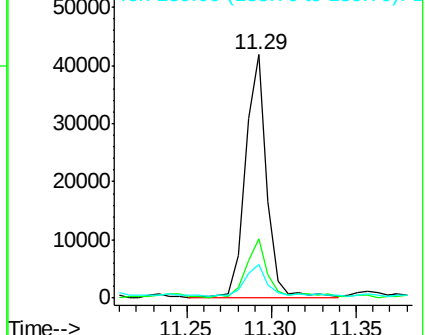
139 13.7 11.7 17.5

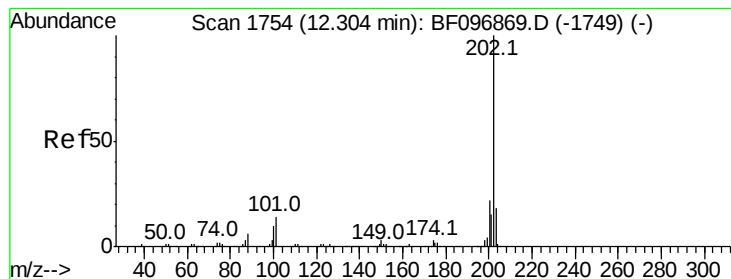


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 28.768 ng

RT: 12.27 min Scan# 1748

Delta R.T. -0.05 min

Lab File: BF096940.D

Acq: 21 Jul 2017 13:22

Instrument :

BNA_F

ClientSampleId :

E2-O-P-6-7-SSW

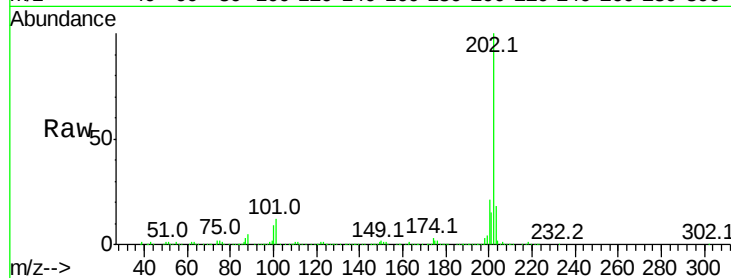
Tot Ion:202 Resp: 434168

Ion Ratio Lower Upper

202 100

101 12.3 0.0 33.2

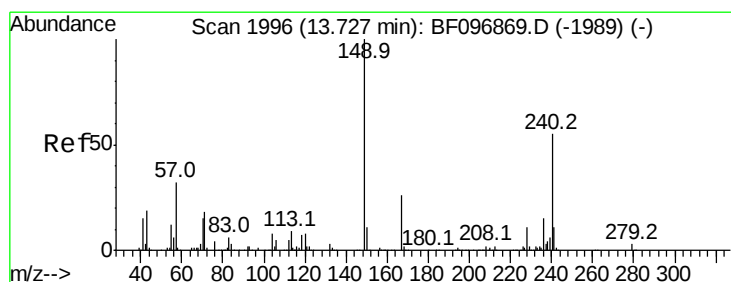
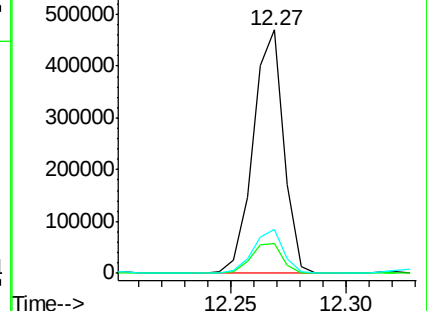
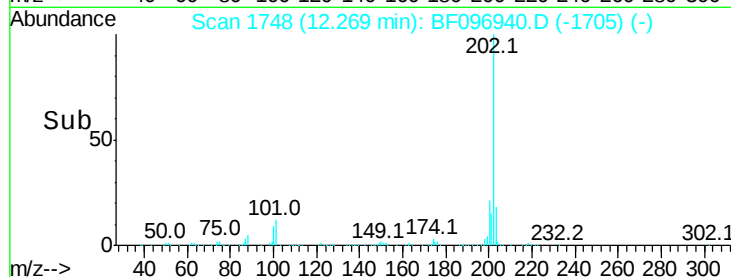
203 17.8 0.0 38.1



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: 13.69 min Scan# 1989

Delta R.T. -0.05 min

Lab File: BF096940.D

Acq: 21 Jul 2017 13:22

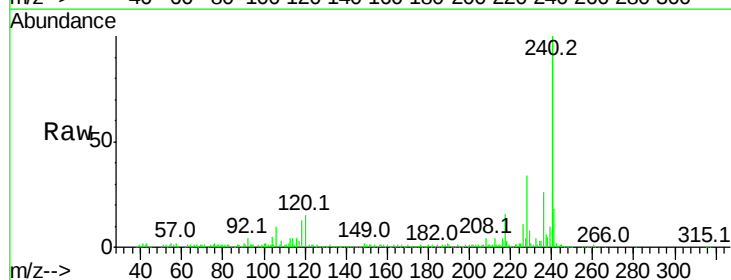
Tgt Ion:240 Resp: 208332

Ion Ratio Lower Upper

240 100

120 15.4 5.8 8.8#

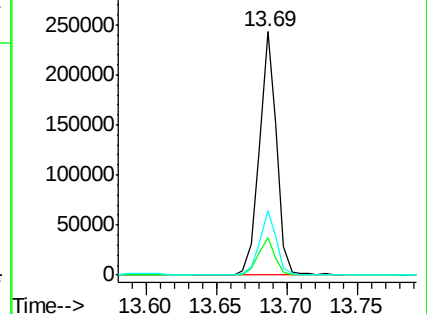
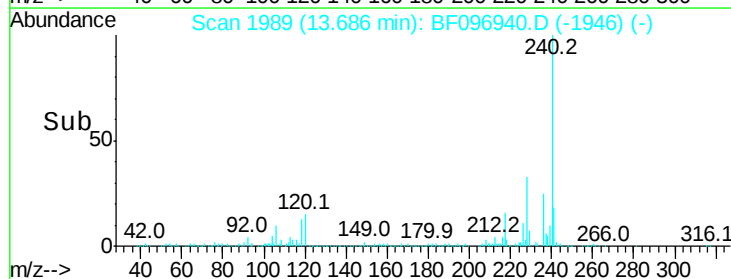
236 26.4 20.5 30.7

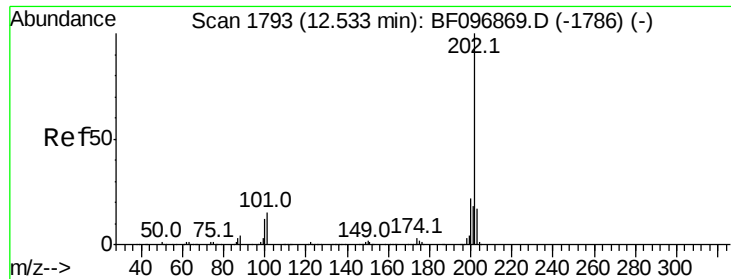


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

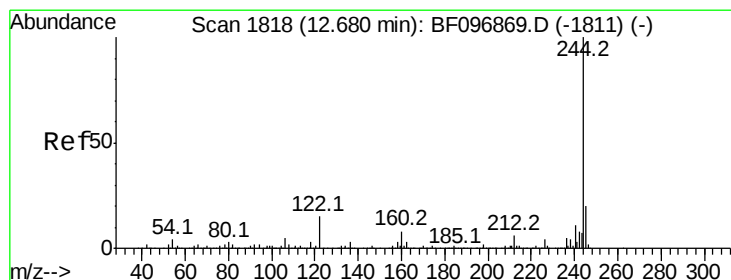
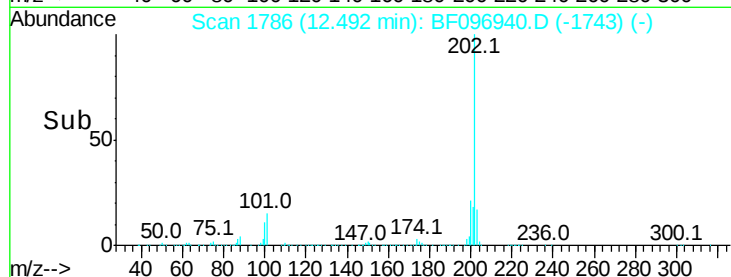
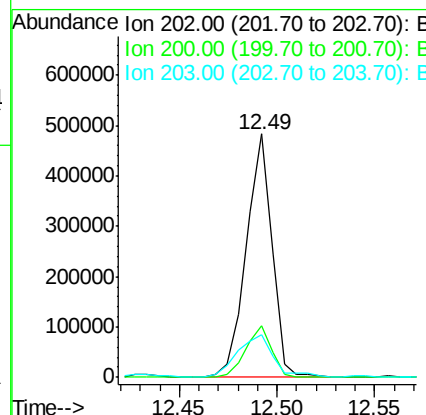
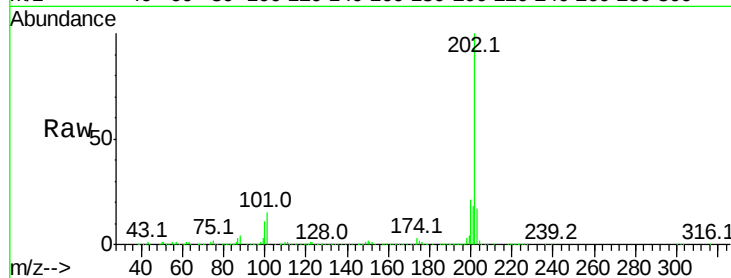




#77
Pvrene
Concen: 23.349 ng
RT: 12.49 min Scan# 1786
Delta R.T. -0.05 min
Lab File: BF096940.D
Acq: 21 Jul 2017 13:22

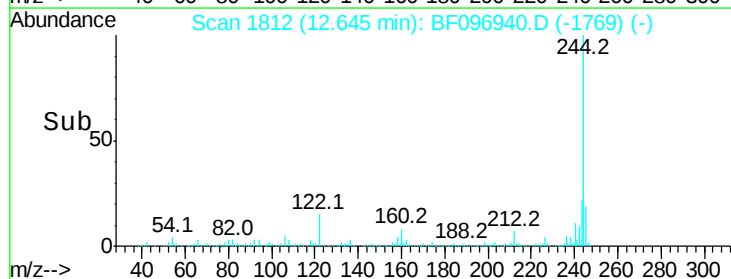
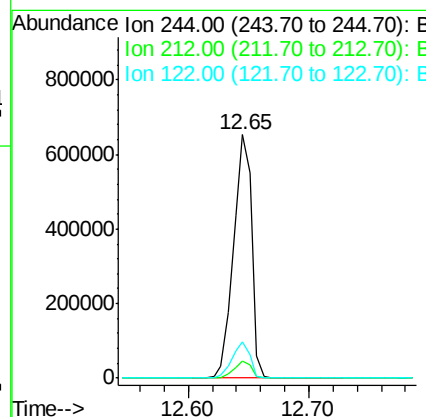
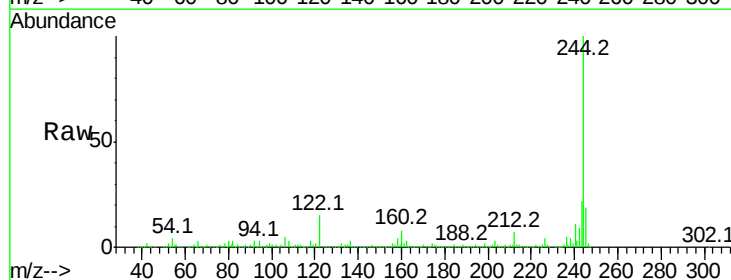
Instrument :
BNA_F
ClientSampleId :
E2-O-P-6-7-SSW

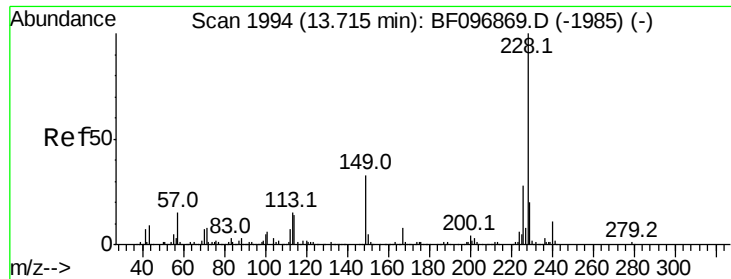
Tot Ion:202 Resp: 441468
Ion Ratio Lower Upper
202 100
200 21.1 17.6 26.4
203 17.3 14.4 21.6



#78
Terphenyl-d14
Concen: 56.635 ng
RT: 12.65 min Scan# 1812
Delta R.T. -0.05 min
Lab File: BF096940.D
Acq: 21 Jul 2017 13:22

Tgt Ion:244 Resp: 680343
Ion Ratio Lower Upper
244 100
212 6.8 6.0 9.0
122 15.0 10.3 15.5





#80

Benzo(a)anthracene

Concen: 21.629 ng

RT: 13.67 min Scan# 1987

Delta R.T. -0.05 min

Lab File: BF096940.D

Acq: 21 Jul 2017 13:22

Instrument :

BNA_F

ClientSampleId :

E2-O-P-6-7-SSW

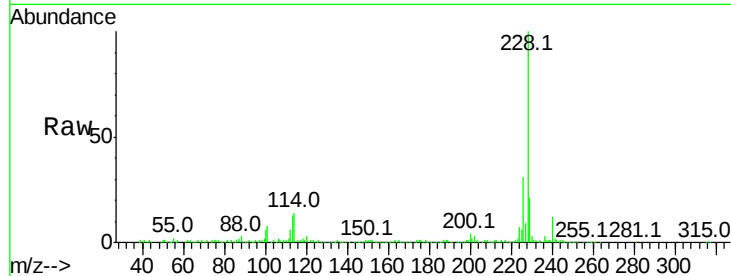
Tot Ion:228 Resp: 280758

Ion Ratio Lower Upper

228 100

226 31.1 22.6 33.8

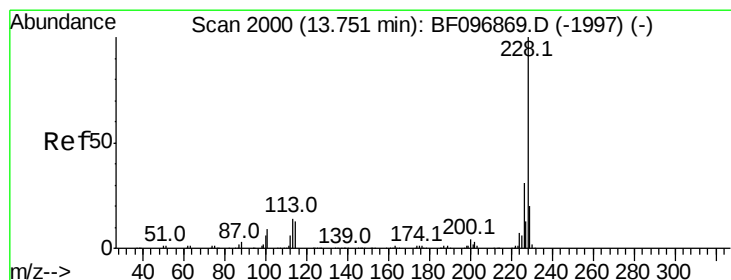
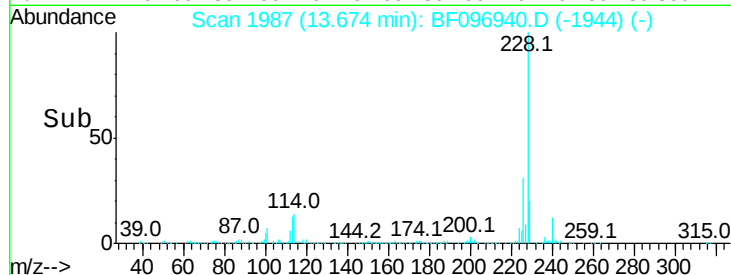
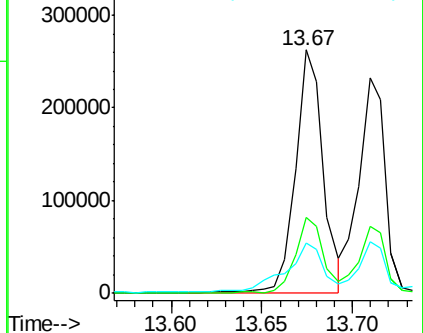
229 20.6 16.3 24.5



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: 18.681 ng m

RT: 13.71 min Scan# 1993

Delta R.T. -0.05 min

Lab File: BF096940.D

Acq: 21 Jul 2017 13:22

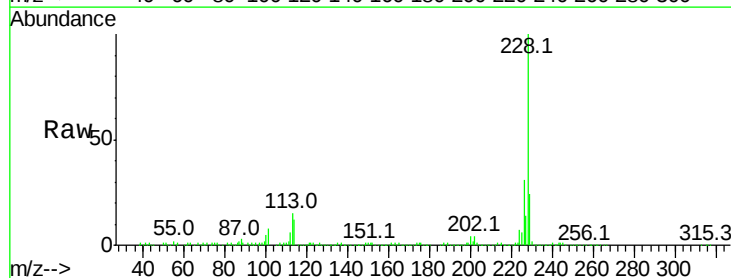
Tgt Ion:228 Resp: 238723

Ion Ratio Lower Upper

228 100

226 30.8 24.9 37.3

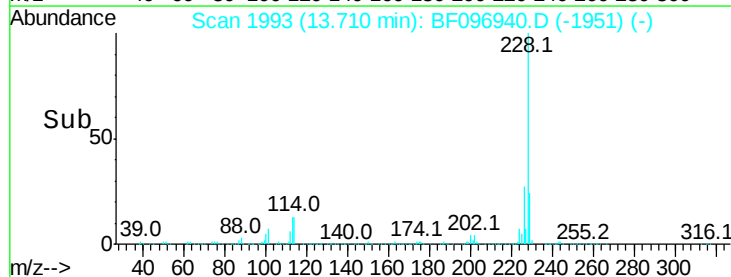
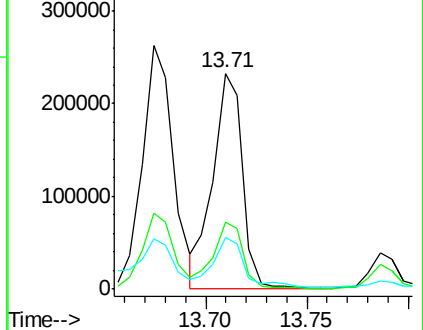
229 23.7 15.8 23.6#

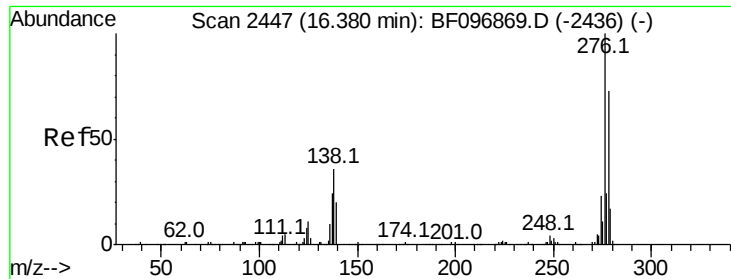


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Indeno(1,2,3-cd)pyrene

Concen: 19.402 ng

RT: 16.32 min Scan# 2436

Delta R.T. -0.08 min

Lab File: BF096940.D

Acq: 21 Jul 2017 13:22

Instrument :

BNA_F

ClientSampleId :

E2-O-P-6-7-SSW

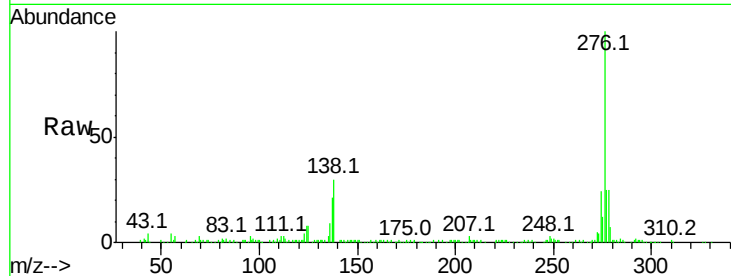
Tot Ion:276 Resp: 202201

Ion Ratio Lower Upper

276 100

138 29.7 27.8 41.6

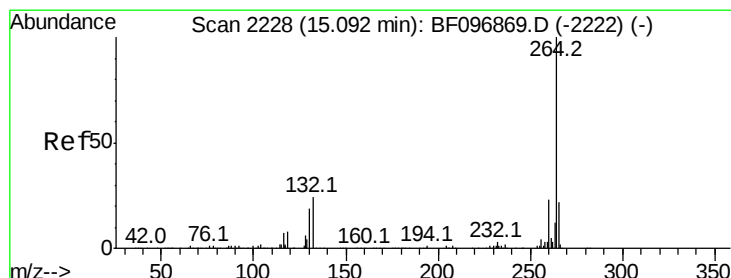
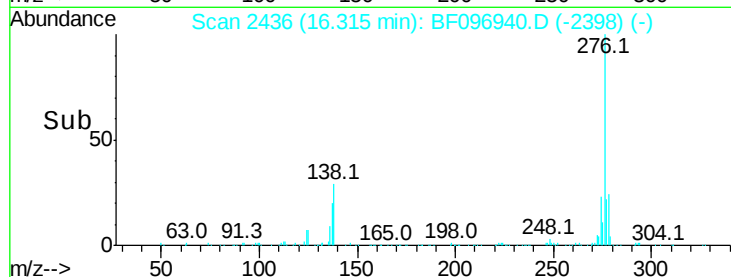
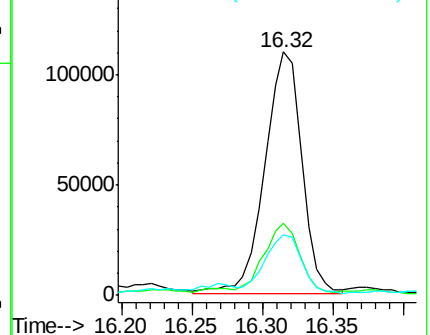
277 23.9 20.2 30.4



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.05 min Scan# 2221

Delta R.T. -0.05 min

Lab File: BF096940.D

Acq: 21 Jul 2017 13:22

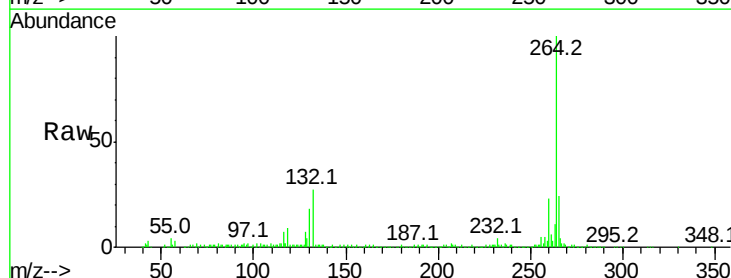
Tgt Ion:264 Resp: 203010

Ion Ratio Lower Upper

264 100

260 23.3 19.5 29.3

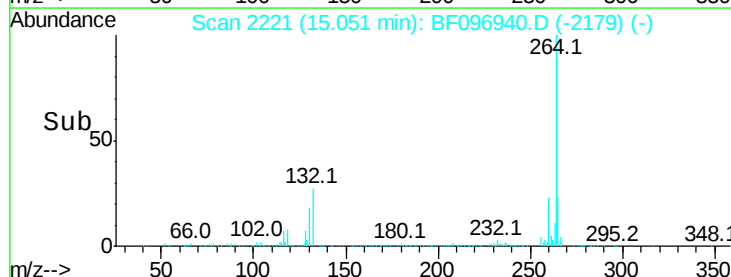
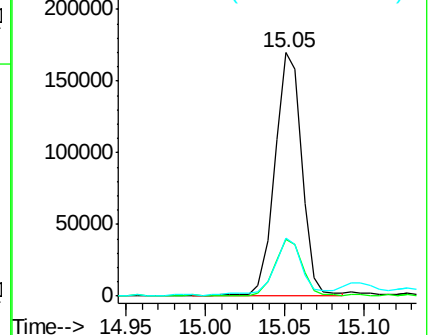
265 23.8 17.2 25.8

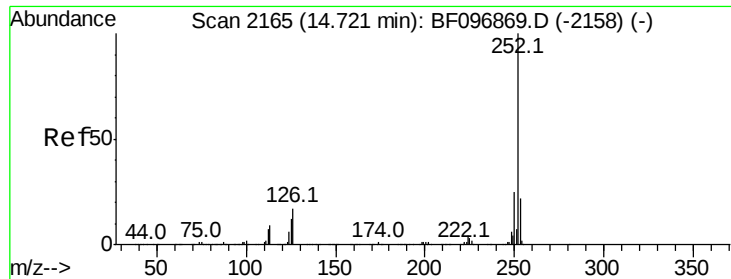


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 31.415 ng m

RT: 14.69 min Scan# 2159

Delta R.T. -0.04 min

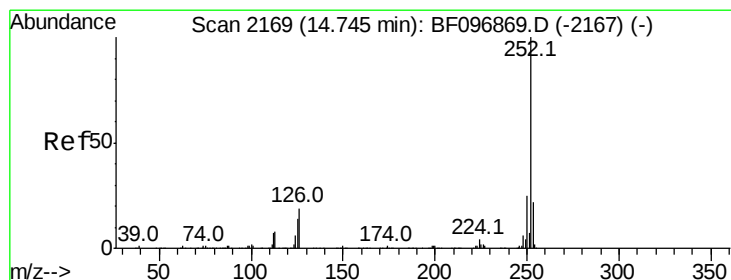
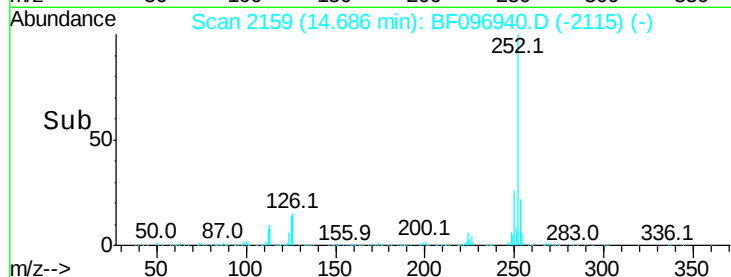
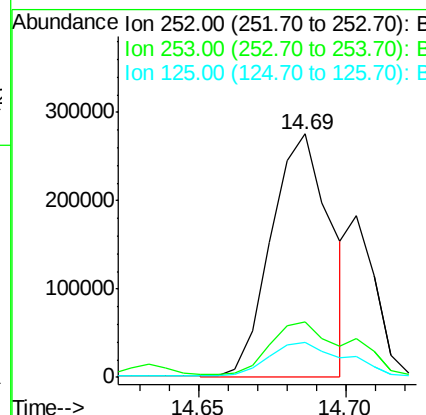
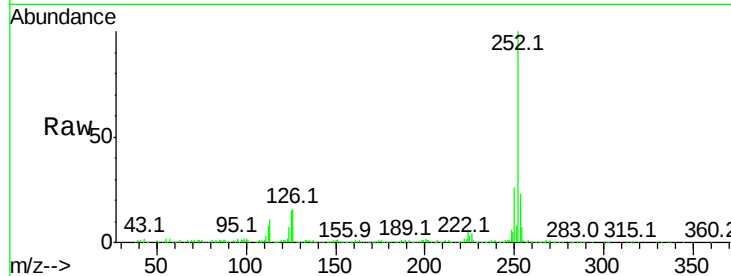
Lab File: BF096940.D

Acq: 21 Jul 2017 13:22

Instrument :
BNA_F
ClientSampleId :
E2-O-P-6-7-SSW

Tot Ion:252 Resp: 384644

Ion	Ratio	Lower	Upper
252	100		
253	22.7	18.1	27.1
125	14.6	9.8	14.8



#88

Benzo(k)fluoranthene

Concen: 9.914 ng m

RT: 14.70 min Scan# 2162

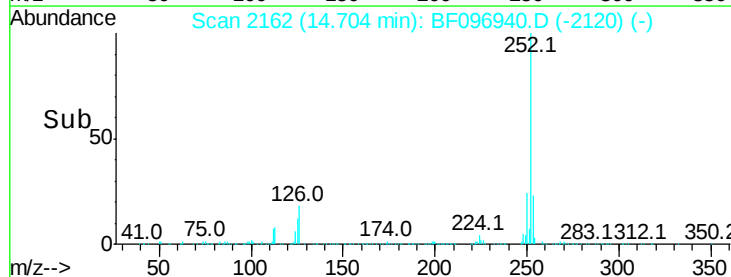
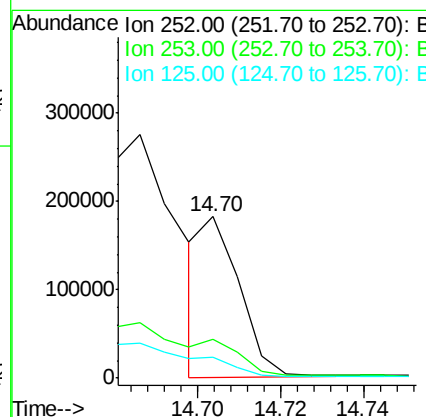
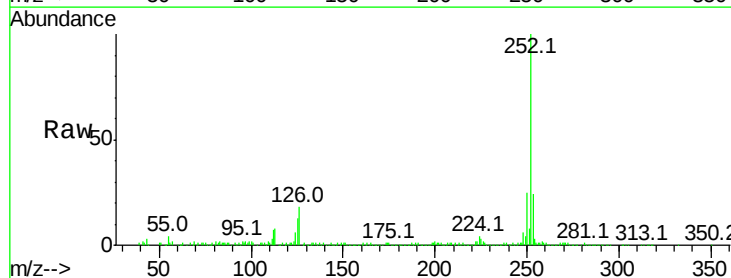
Delta R.T. -0.05 min

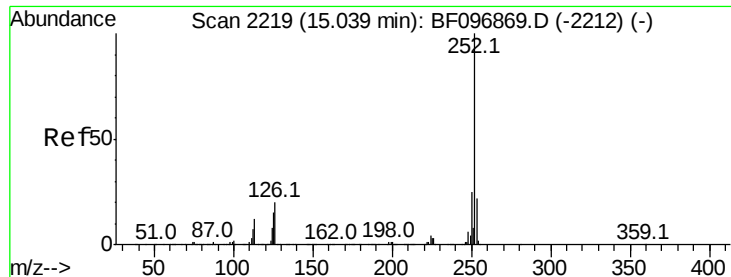
Lab File: BF096940.D

Acq: 21 Jul 2017 13:22

Tgt Ion:252 Resp: 114943

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.4	27.6
125	12.9	13.1	19.7#

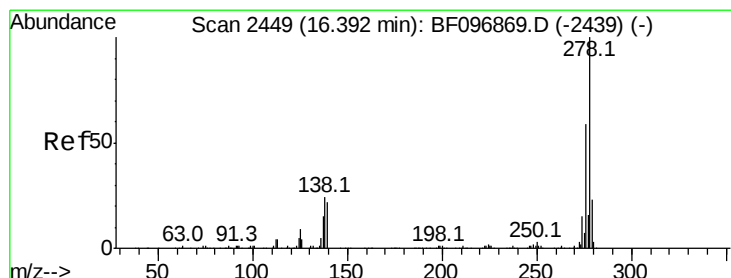
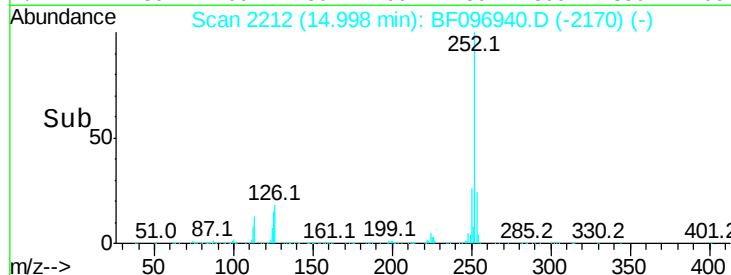
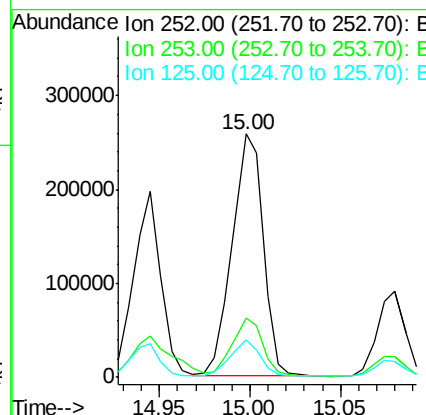
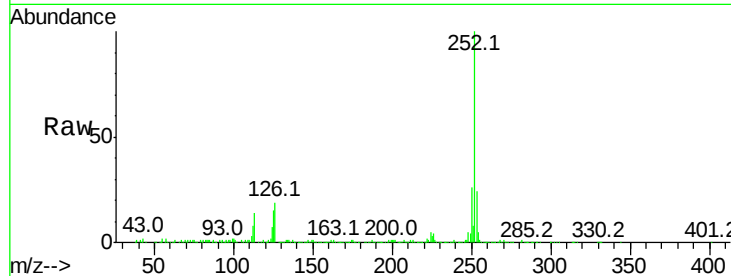




#89
Benzo(a)pyrene
Concen: 27.495 ng
RT: 15.00 min Scan# 2212
Delta R.T. -0.05 min
Lab File: BF096940.D
Acq: 21 Jul 2017 13:22

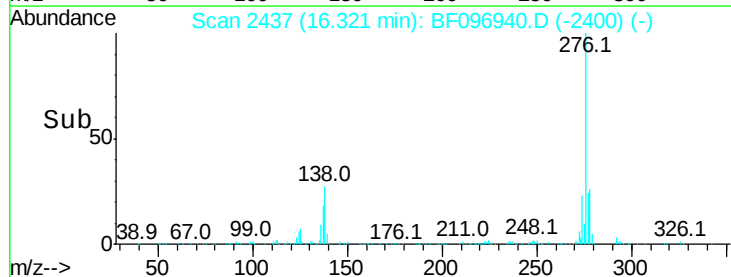
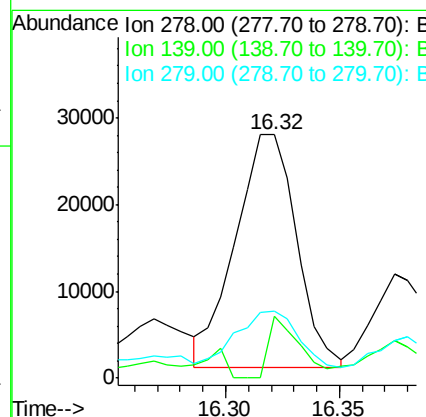
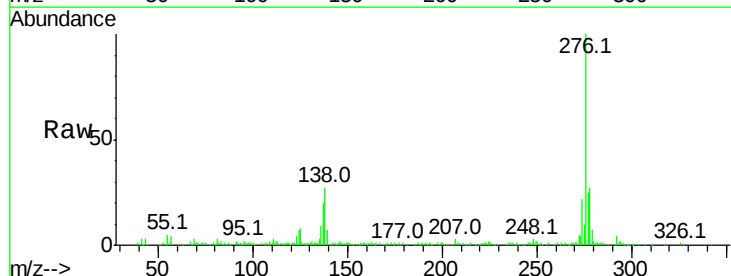
Instrument :
BNA_F
ClientSampleId :
E2-O-P-6-7-SSW

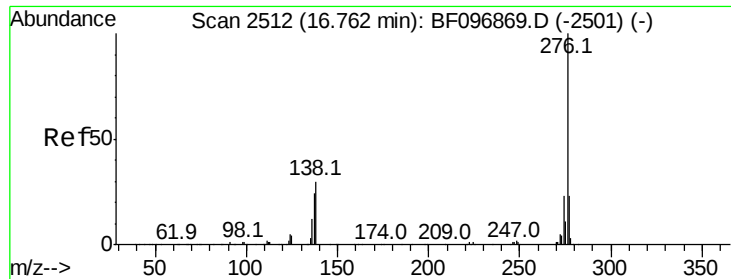
Tot Ion:252 Resp: 308767
Ion Ratio Lower Upper
252 100
253 24.4 17.5 26.3
125 15.3 11.0 16.4



#90
Dibenzo(a,h)anthracene
Concen: 4.838 ng m
RT: 16.32 min Scan# 2437
Delta R.T. -0.08 min
Lab File: BF096940.D
Acq: 21 Jul 2017 13:22

Tgt Ion:278 Resp: 49987
Ion Ratio Lower Upper
278 100
139 25.4 16.6 24.8#
279 27.7 19.3 28.9

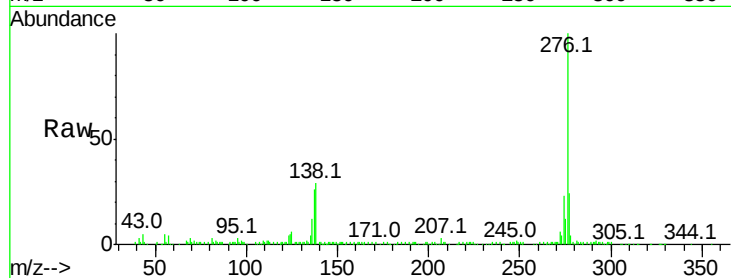




#91
 Benzo(a,h,i)perylene
 Concen: 17.562 ng
 RT: 16.69 min Scan# 2500
 Delta R.T. -0.09 min
 Lab File: BF096940.D
 Acq: 21 Jul 2017 13:22

Instrument :
 BNA_F
 ClientSampleId :
 E2-O-P-6-7-SSW

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.6	28.0
138	29.3	25.4	38.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

