

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071117\
 Data File : BF096670.D
 Acq On : 12 Jul 2017 4:13
 Operator : SJ/JU
 Sample : I4130-06 2X
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS1-SSW

Quant Time: Jul 12 05:03:22 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF070117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 07 13:02:33 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	102080	20.00	ng	-0.02
21) Naphthalene-d8	7.97	136	445257	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	174105	20.00	ng	-0.02
63) Phenanthrene-d10	11.19	188	226820	20.00	ng	-0.02
75) Chrysene-d12	13.83	240	195936	20.00	ng	-0.02
86) Perylene-d12	15.23	264	162134	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	256134	37.03	ng	-0.02
7) Phenol-d6	6.32	99	538731	63.36	ng	-0.02
23) Nitrobenzene-d5	7.25	82	323413	43.65	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	18869	13.87	ng	-0.02
44) 2-Fluorobiphenyl	9.04	172	542622	53.29	ng	-0.02
78) Terphenyl-d14	12.77	244	281415	30.69	ng	-0.02

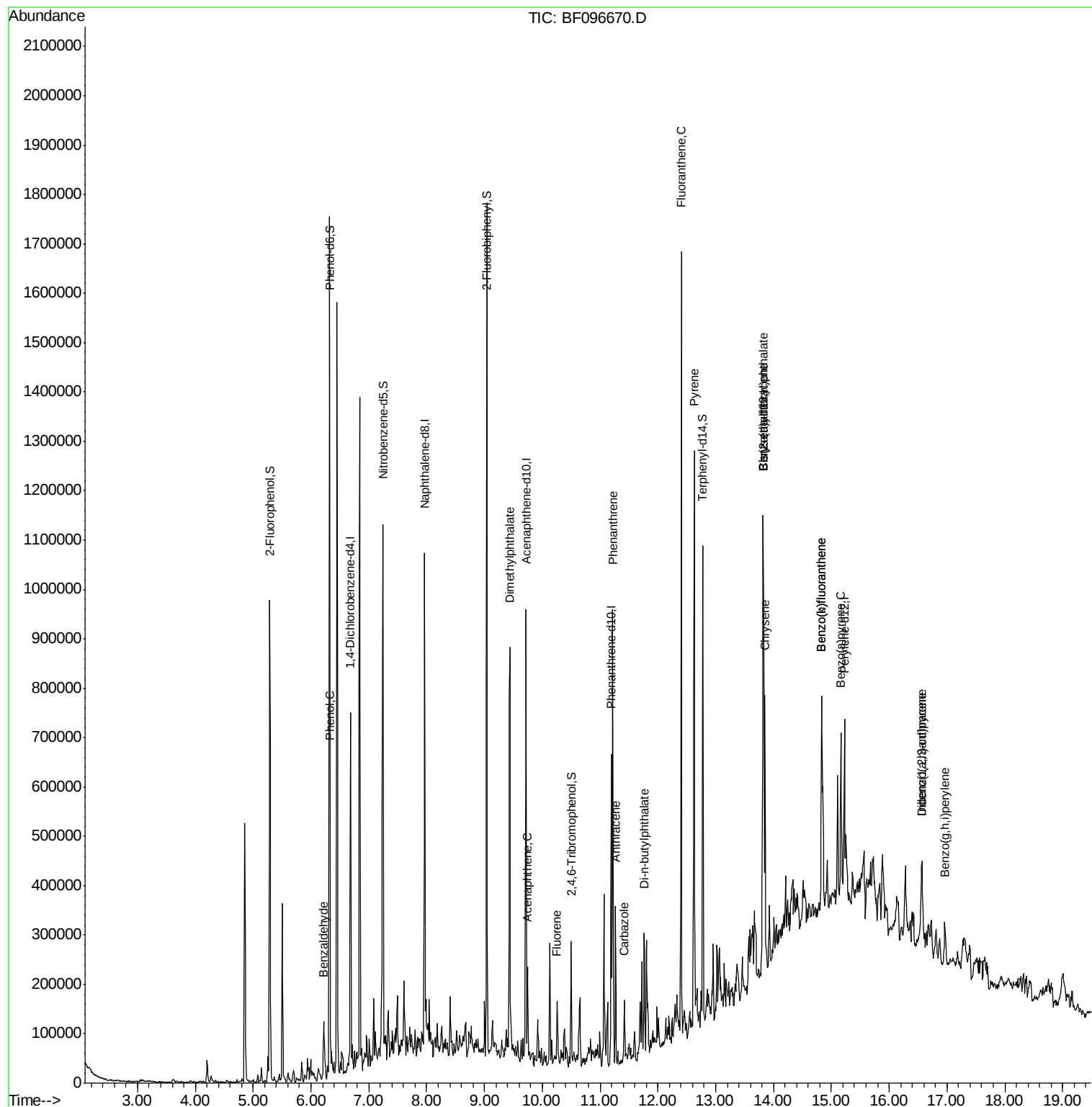
Target Compounds				Qvalue		
9) Benzaldehyde	6.23	77	14186	2.666	ng	98
10) Phenol	6.33	94	28420	2.934	ng	91
49) Dimethylphthalate	9.44	163	344582	26.512	ng	97
51) Acenaphthene	9.75	154	38073	3.506	ng	99
57) Fluorene	10.26	166	31603	3.121	ng	96
70) Phenanthrene	11.22	178	354554	28.916	ng	99
71) Anthracene	11.27	178	98828	7.910	ng	98
72) Carbazole	11.42	167	47896	3.812	ng	97
73) Di-n-butylphthalate	11.76	149	88273	5.800	ng	99
74) Fluoranthene	12.40	202	575796	47.897	ng	98
77) Pyrene	12.63	202	508065	32.305	ng	99
80) Benzo(a)anthracene	13.82	228	235868	20.788	ng	99
82) Chrysene	13.85	228	188996	15.906	ng	96
83) Bis(2-ethylhexyl)phthalate	13.82	149	19016	2.140	ng	# 96
85) Indeno(1,2,3-cd)pyrene	16.56	276	79263	8.451	ng	99
87) Benzo(b)fluoranthene	14.83	252	310742	30.587	ng	97
88) Benzo(k)fluoranthene	14.83	252	310742	34.194	ng	98
89) Benzo(a)pyrene	15.17	252	162531	17.919	ng	97
90) Dibenzo(a,h)anthracene	16.57	278	21994	3.082	ng	# 72
91) Benzo(a,h,i)perylene	16.97	276	65275	8.828	ng	99

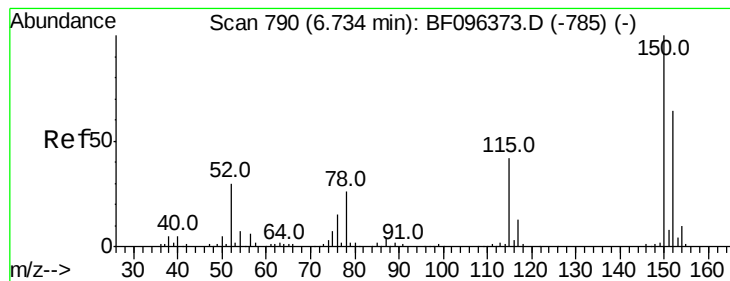
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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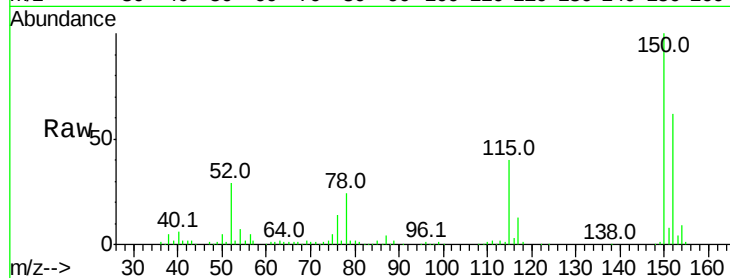


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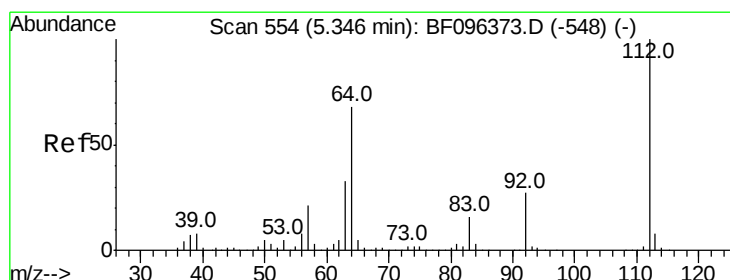
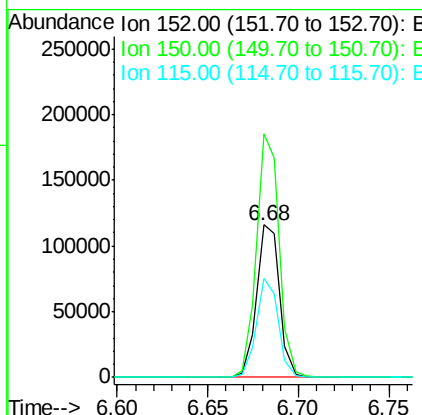
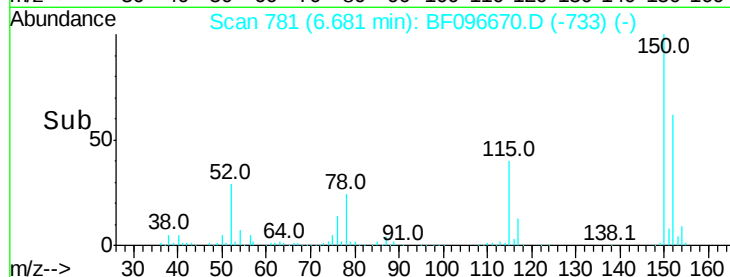
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.68 min Scan# 781
Delta R.T. -0.02 min
Lab File: BF096670.D
Acq: 12 Jul 2017 4:13

Instrument :
BNA_F
ClientSampleId :
E2-HS1-SSW

Tot Ion:152 Resp: 102080
Ion Ratio Lower Upper
152 100
150 160.0 126.2 189.2
115 64.7 52.2 78.2



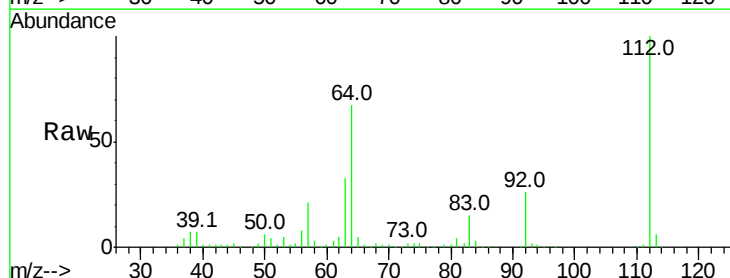
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



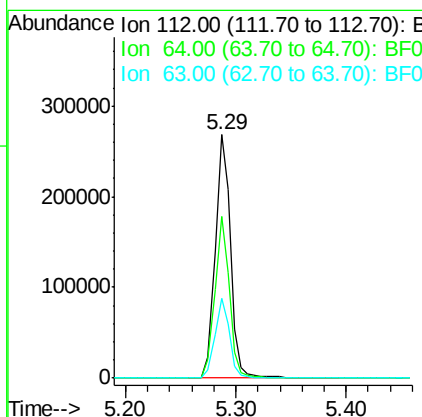
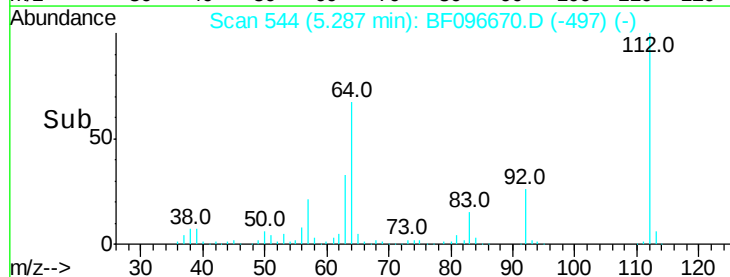
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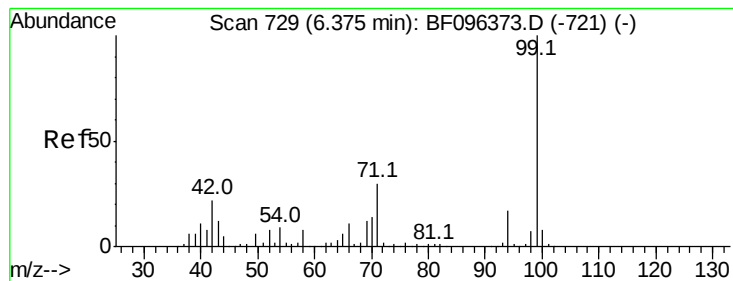
2-Fluorophenol
Concen: 37.034 ng
RT: 5.29 min Scan# 544
Delta R.T. -0.02 min
Lab File: BF096670.D
Acq: 12 Jul 2017 4:13

Tgt Ion:112 Resp: 256134
Ion Ratio Lower Upper
112 100
64 66.6 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: 63.362 ng

RT: 6.32 min Scan# 720

Delta R.T. -0.02 min

Lab File: BF096670.D

Acq: 12 Jul 2017 4:13

Instrument :

BNA_F

ClientSampleId :

E2-HS1-SSW

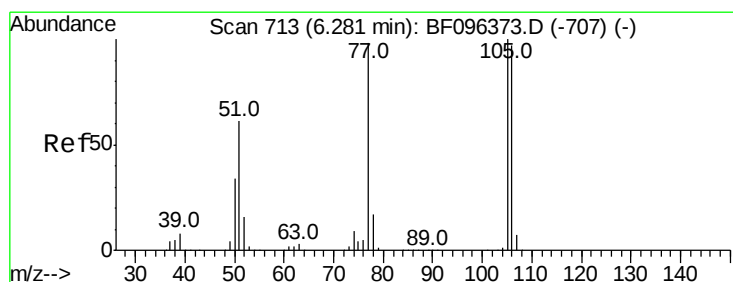
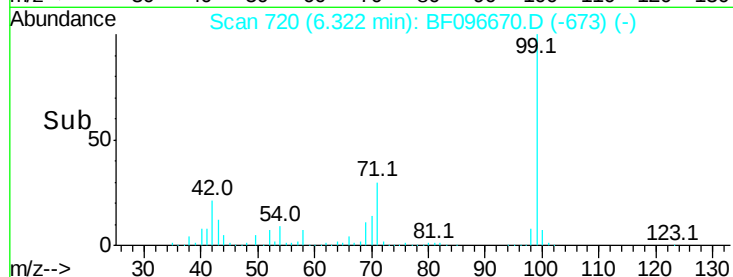
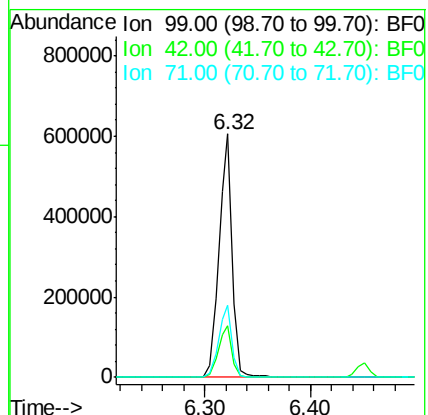
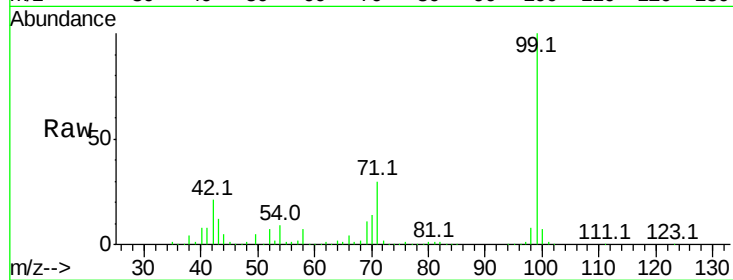
Tot Ion: 99 Resp: 538731

Ion Ratio Lower Upper

99 100

42 21.5 13.5 20.3#

71 29.7 24.5 36.7



#9

Benzaldehyde

Concen: 2.666 ng

RT: 6.23 min Scan# 704

Delta R.T. -0.02 min

Lab File: BF096670.D

Acq: 12 Jul 2017 4:13

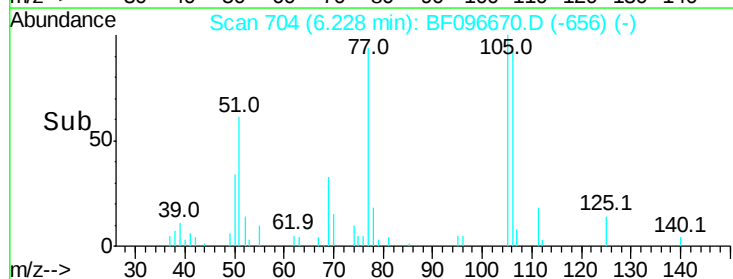
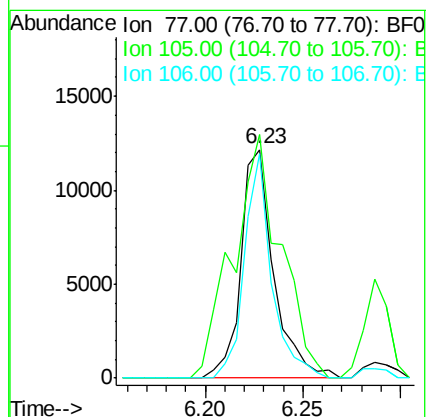
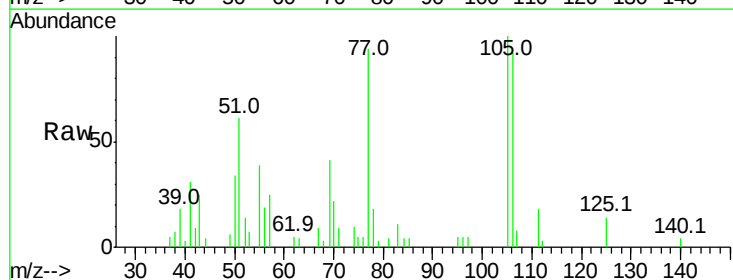
Tgt Ion: 77 Resp: 14186

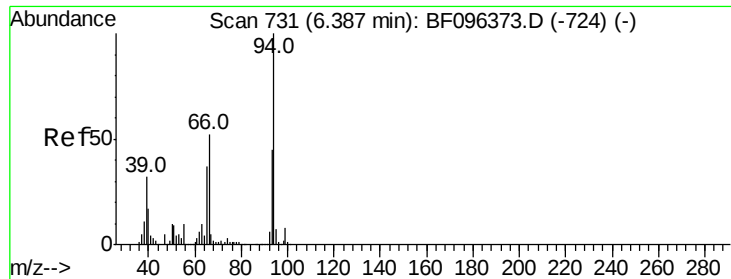
Ion Ratio Lower Upper

77 100

105 106.7 83.8 123.8

106 98.1 79.1 119.1





#10

Phenol

Concen: 2.934 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.02 min

Lab File: BF096670.D

Acq: 12 Jul 2017 4:13

Instrument :

BNA_F

ClientSampleId :

E2-HS1-SSW

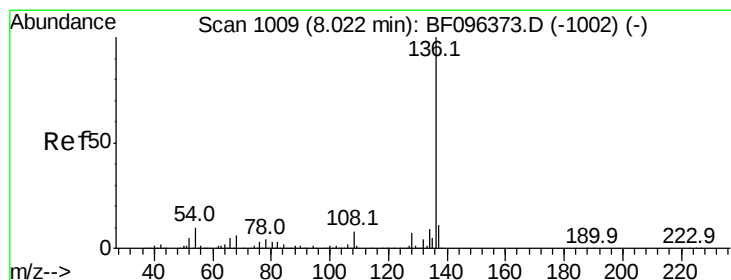
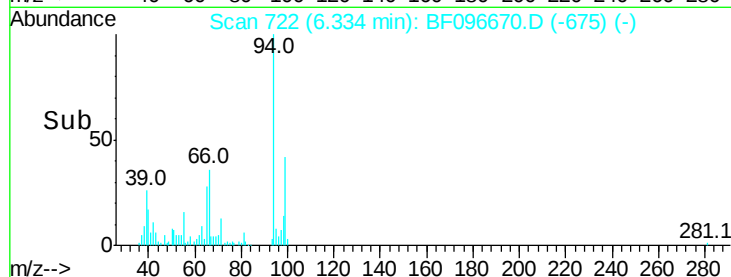
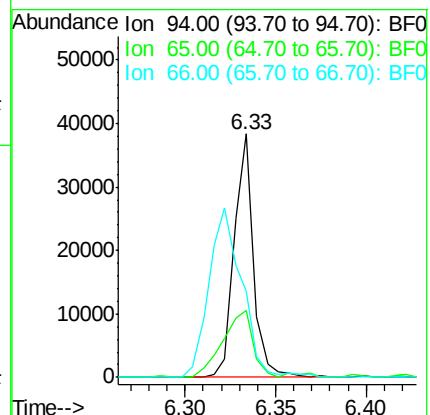
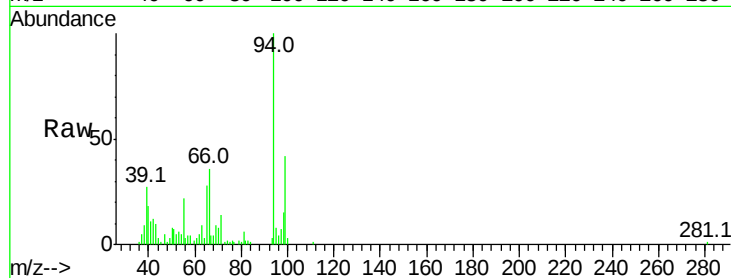
Tot Ion: 94 Resp: 28420

Ion Ratio Lower Upper

94 100

65 27.6 9.9 49.9

66 35.7 23.1 63.1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1000

Delta R.T. -0.02 min

Lab File: BF096670.D

Acq: 12 Jul 2017 4:13

Tgt Ion: 136 Resp: 445257

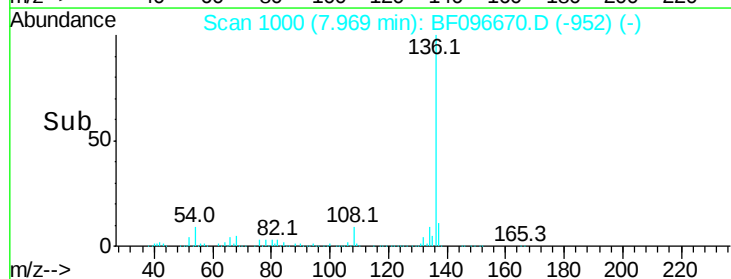
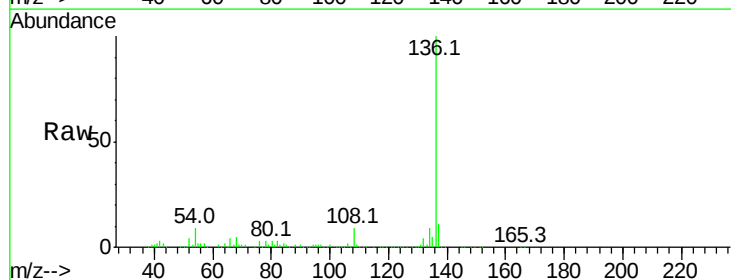
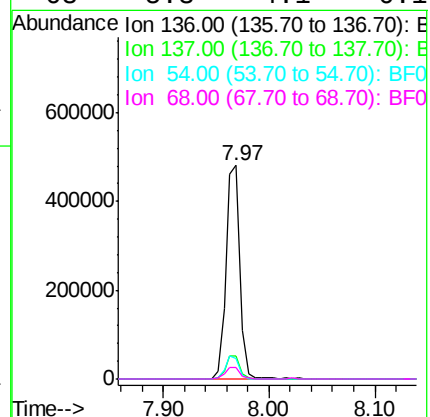
Ion Ratio Lower Upper

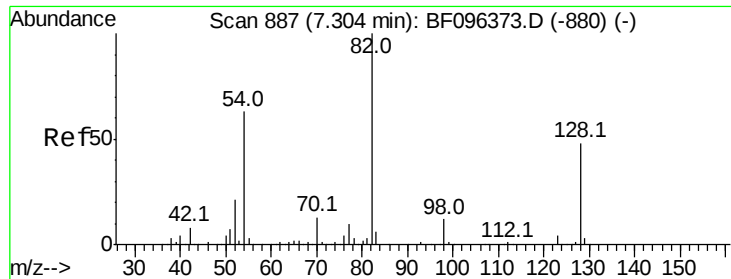
136 100

137 11.0 8.5 12.7

54 9.4 4.9 7.3#

68 5.3 4.1 6.1

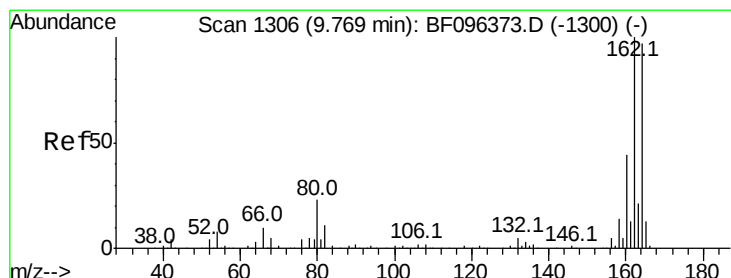
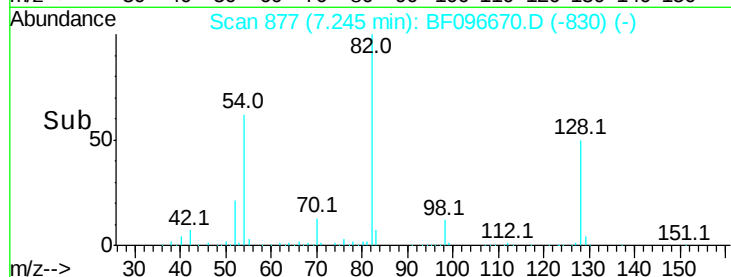
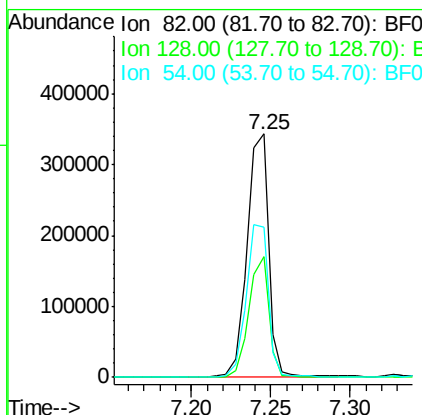
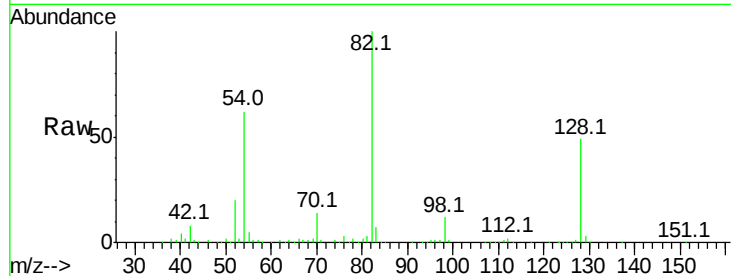




#23
Nitrobenzene-d5
Concen: 43.647 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.02 min
Lab File: BF096670.D
Acq: 12 Jul 2017 4:13

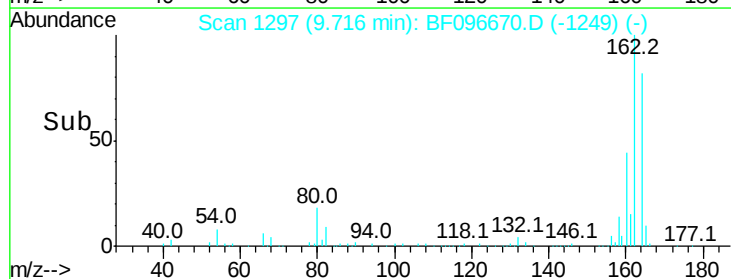
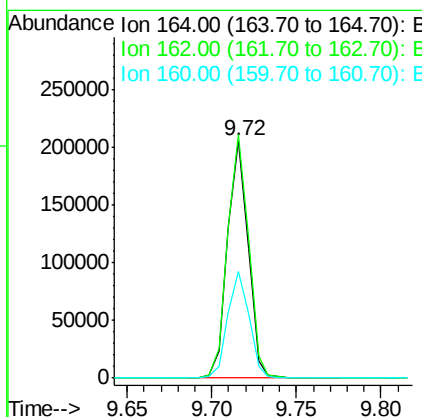
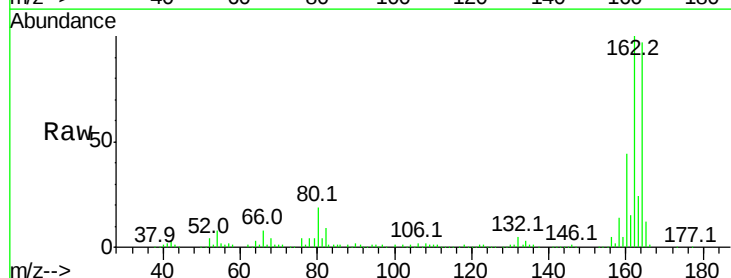
Instrument :
BNA_F
ClientSampleId :
E2-HS1-SSW

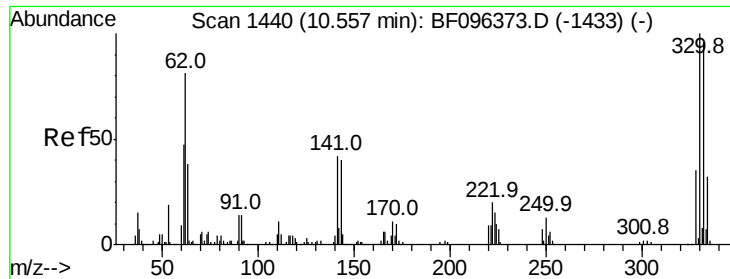
Tot Ion: 82 Resp: 323413
Ion Ratio Lower Upper
82 100
128 49.5 34.0 51.0
54 61.9 42.2 63.2



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF096670.D
Acq: 12 Jul 2017 4:13

Tgt Ion:164 Resp: 174105
Ion Ratio Lower Upper
164 100
162 102.6 82.6 123.8
160 44.9 36.2 54.2

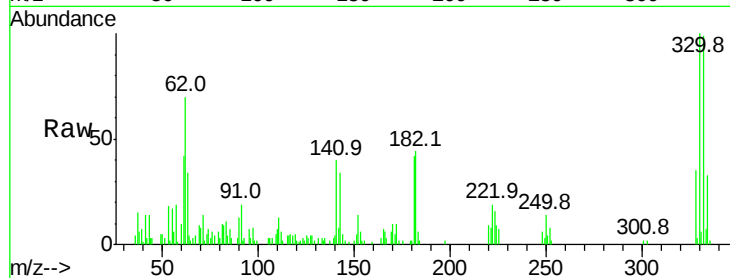




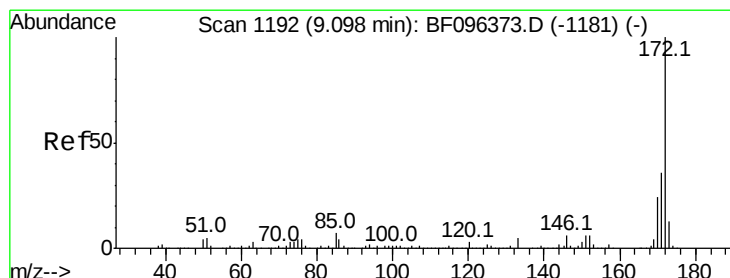
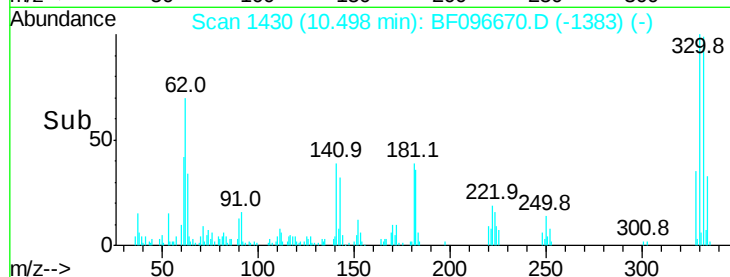
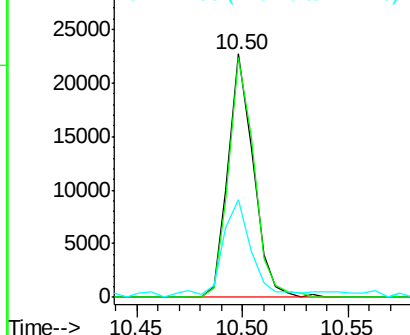
#41
 2,4,6-Tribromophenol
 Concen: 13.875 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF096670.D
 Acq: 12 Jul 2017 4:13

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS1-SSW

Tot Ion:330 Resp: 18869
 Ion Ratio Lower Upper
 330 100
 332 99.6 76.6 115.0
 141 47.5 31.4 47.2#

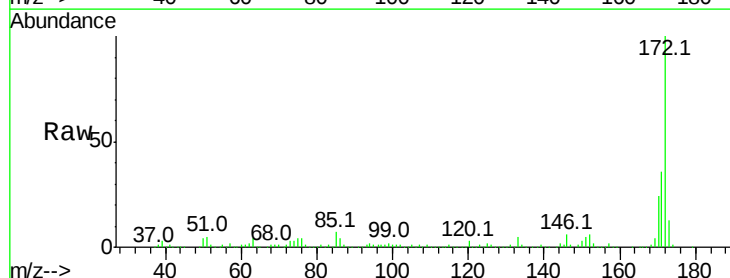


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

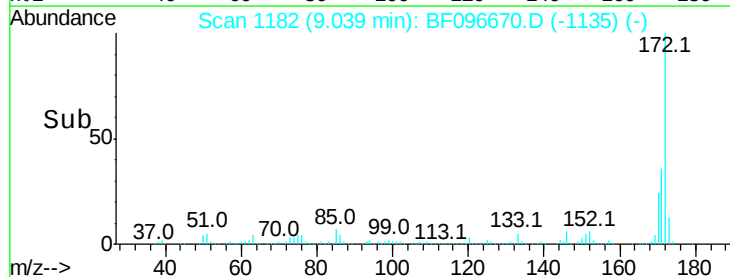
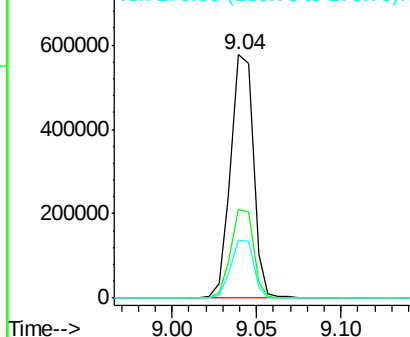


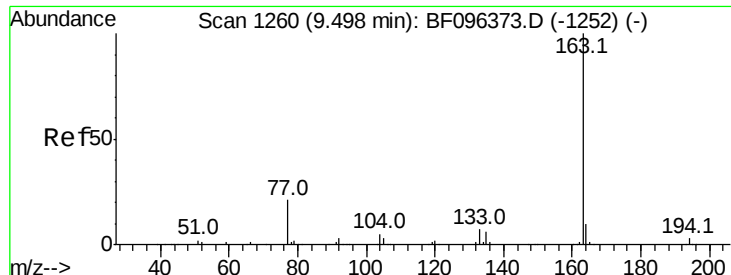
#44
 2-Fluorobiphenyl
 Concen: 53.287 ng
 RT: 9.04 min Scan# 1182
 Delta R.T. -0.02 min
 Lab File: BF096670.D
 Acq: 12 Jul 2017 4:13

Tgt Ion:172 Resp: 542622
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.6 44.4
 170 23.7 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

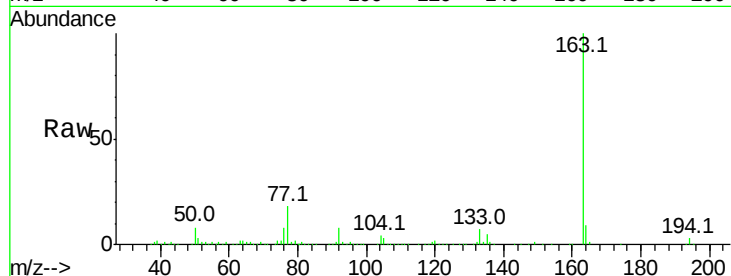




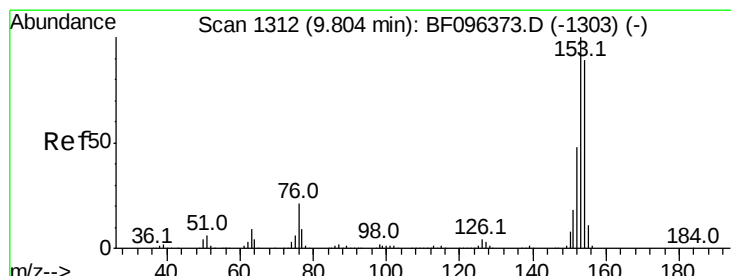
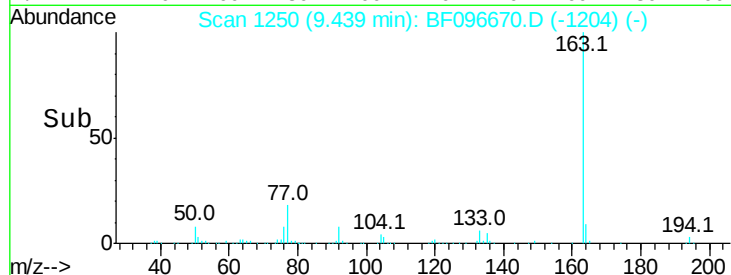
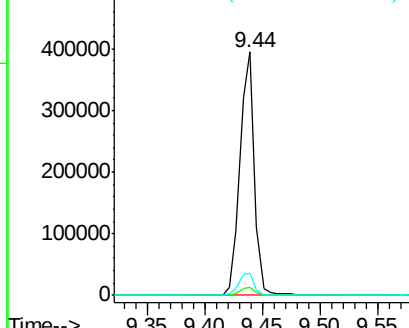
#49
Dimethylphthalate
Concen: 26.512 ng
RT: 9.44 min Scan# 1250
Delta R.T. -0.03 min
Lab File: BF096670.D
Acq: 12 Jul 2017 4:13

Instrument :
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ClientSampleId :
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Tot Ion:163 Resp: 344582
Ion Ratio Lower Upper
163 100
194 3.4 2.6 4.0
164 9.2 8.4 12.6

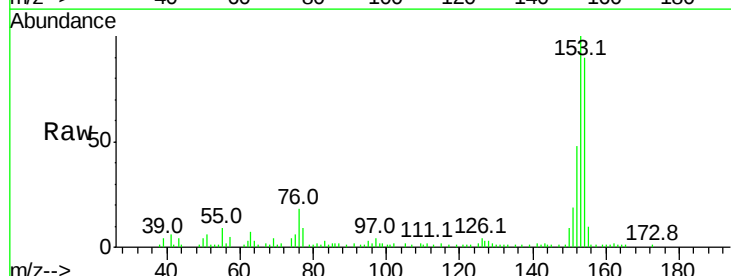


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

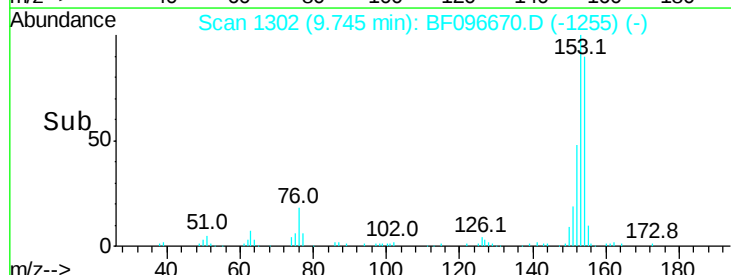
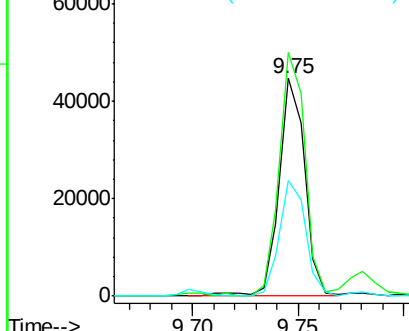


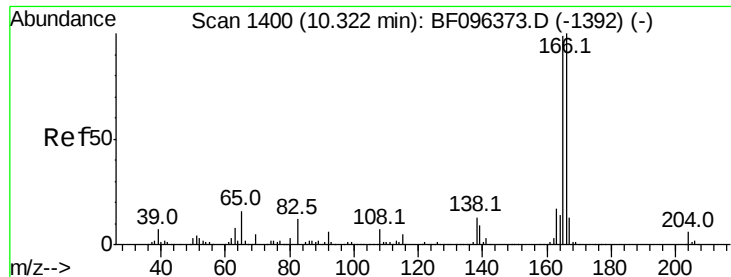
#51
Acenaphthene
Concen: 3.506 ng
RT: 9.75 min Scan# 1302
Delta R.T. -0.02 min
Lab File: BF096670.D
Acq: 12 Jul 2017 4:13

Tgt Ion:154 Resp: 38073
Ion Ratio Lower Upper
154 100
153 111.7 90.5 135.7
152 53.1 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

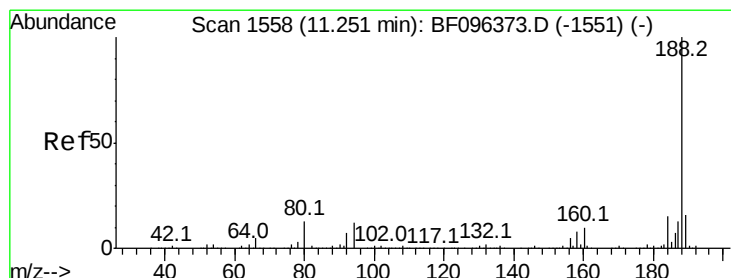
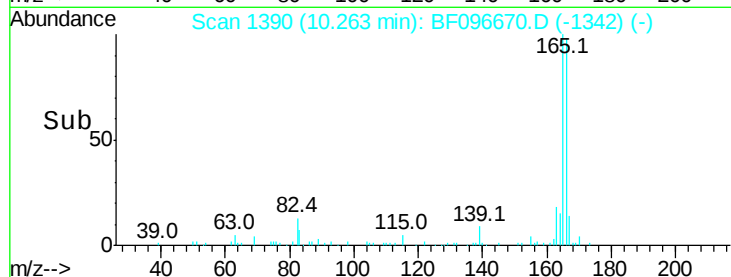
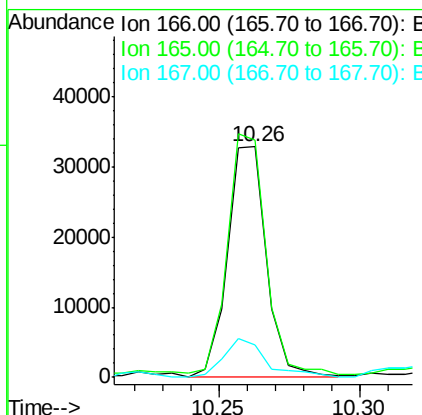
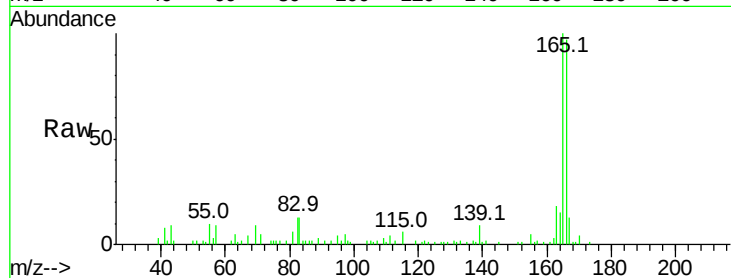




#57
Fluorene
 Concen: 3.121 ng
 RT: 10.26 min Scan# 1390
 Delta R.T. -0.02 min
 Lab File: BF096670.D
 Acq: 12 Jul 2017 4:13

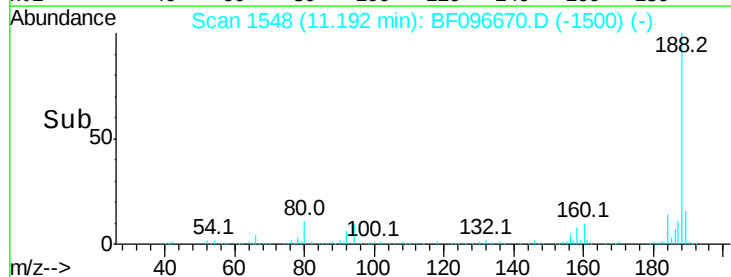
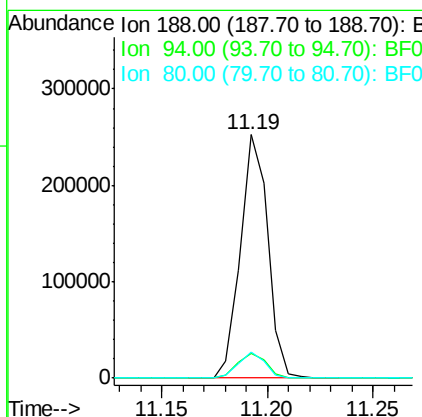
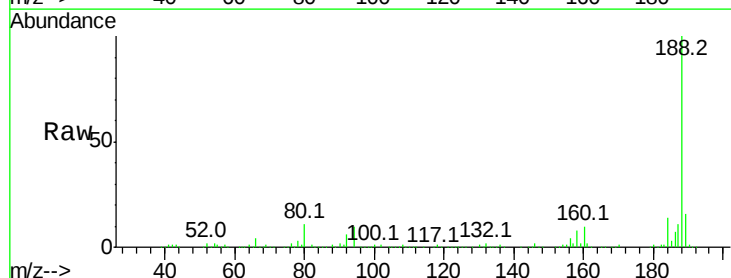
Instrument :
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 ClientSampleId :
 E2-HS1-SSW

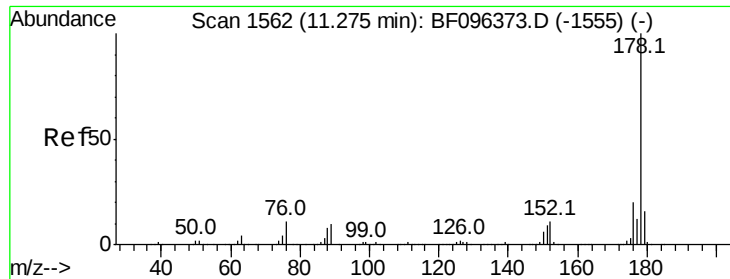
Tot Ion:166 Resp: 31603
 Ion Ratio Lower Upper
 166 100
 165 102.7 78.8 118.2
 167 13.8 10.6 16.0



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.19 min Scan# 1548
 Delta R.T. -0.02 min
 Lab File: BF096670.D
 Acq: 12 Jul 2017 4:13

Tgt Ion:188 Resp: 226820
 Ion Ratio Lower Upper
 188 100
 94 10.4 9.4 14.2
 80 10.9 10.2 15.2

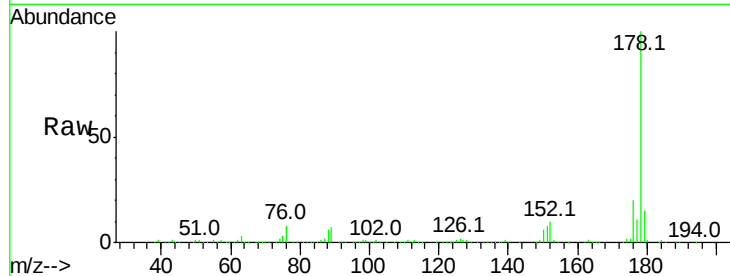




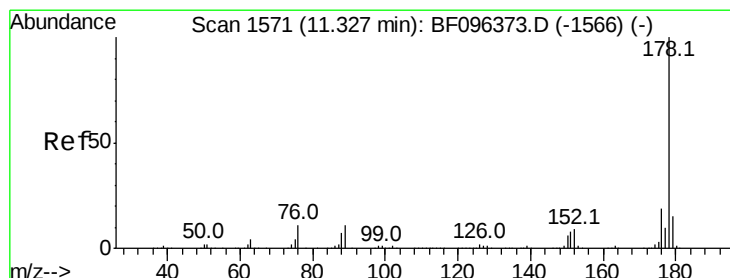
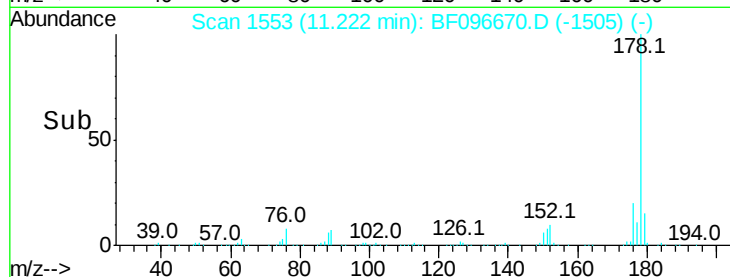
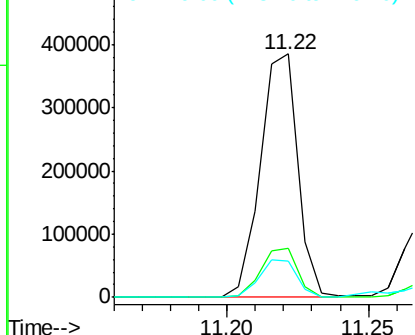
#70
Phenanthrene
Concen: 28.916 ng
RT: 11.22 min Scan# 1553
Delta R.T. -0.02 min
Lab File: BF096670.D
Acq: 12 Jul 2017 4:13

Instrument :
BNA_F
ClientSampleId :
E2-HS1-SSW

Tot Ion:178 Resp: 354554
Ion Ratio Lower Upper
178 100
176 19.9 16.2 24.4
179 15.1 12.6 19.0

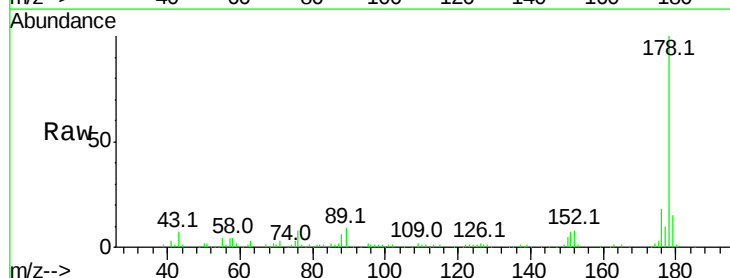


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

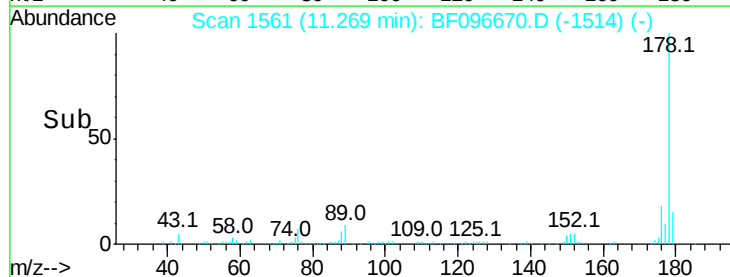
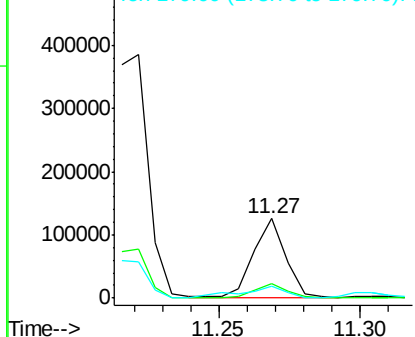


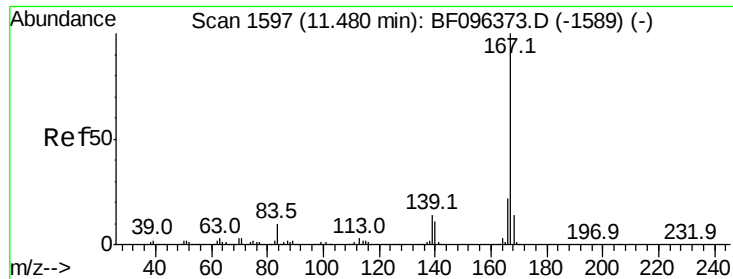
#71
Anthracene
Concen: 7.910 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.02 min
Lab File: BF096670.D
Acq: 12 Jul 2017 4:13

Tgt Ion:178 Resp: 98828
Ion Ratio Lower Upper
178 100
176 18.4 15.8 23.8
179 15.3 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: 3.812 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.02 min

Lab File: BF096670.D

Acq: 12 Jul 2017 4:13

Instrument :

BNA_F

ClientSampleId :

E2-HS1-SSW

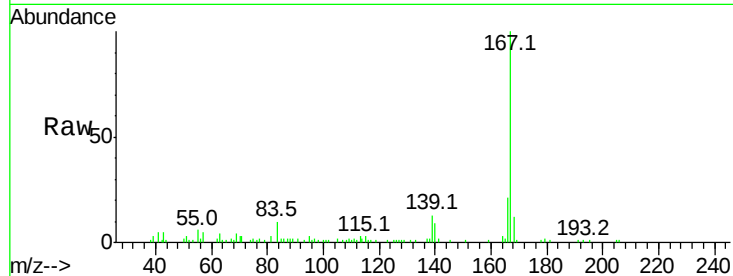
Tot Ion:167 Resp: 47896

Ion Ratio Lower Upper

167 100

166 21.2 18.1 27.1

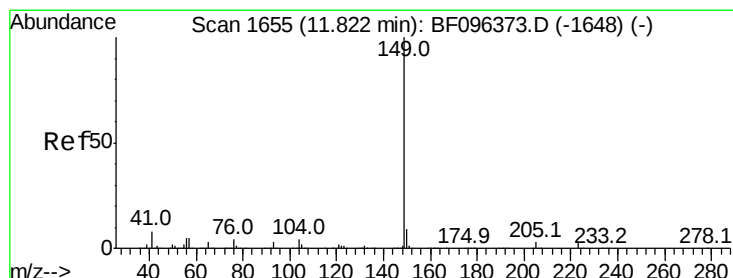
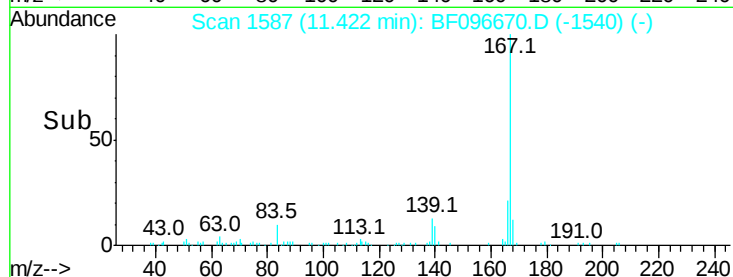
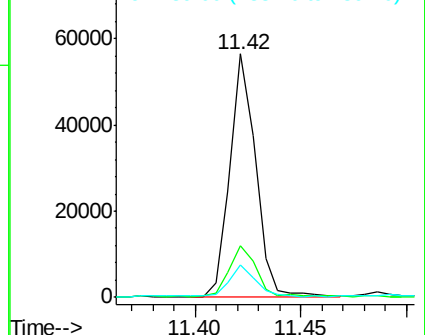
139 13.3 11.7 17.5



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



#73

Di-n-butylphthalate

Concen: 5.800 ng

RT: 11.76 min Scan# 1645

Delta R.T. -0.02 min

Lab File: BF096670.D

Acq: 12 Jul 2017 4:13

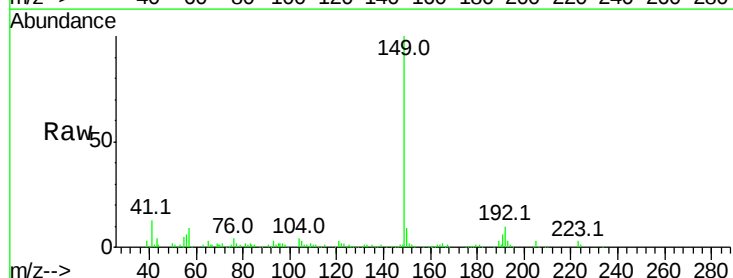
Tgt Ion:149 Resp: 88273

Ion Ratio Lower Upper

149 100

150 9.3 7.7 11.5

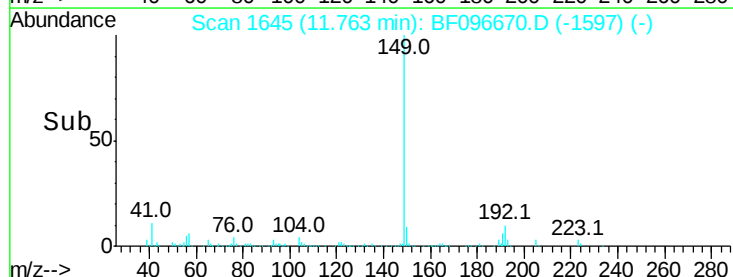
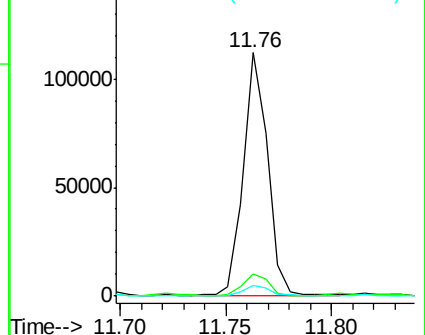
104 4.2 4.0 6.0

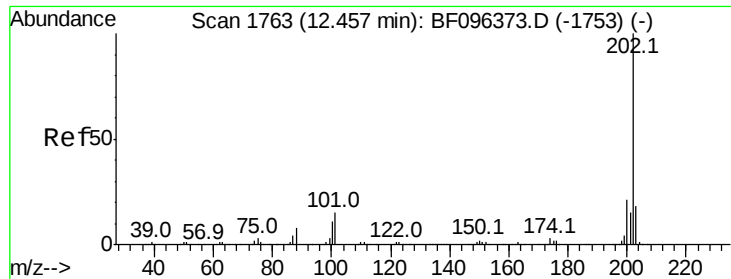


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 47.897 ng

RT: 12.40 min Scan# 1754

Delta R.T. -0.02 min

Lab File: BF096670.D

Acq: 12 Jul 2017 4:13

Instrument :

BNA_F

ClientSampleId :

E2-HS1-SSW

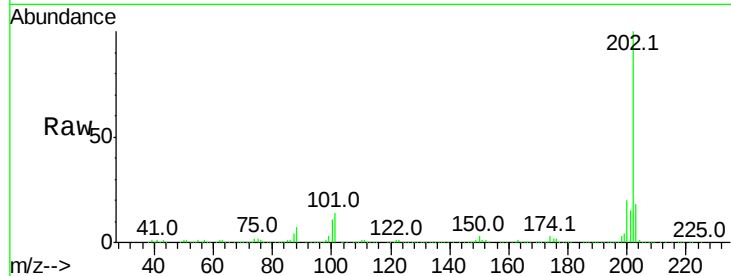
Tot Ion:202 Resp: 575796

Ion Ratio Lower Upper

202 100

101 14.2 0.0 33.2

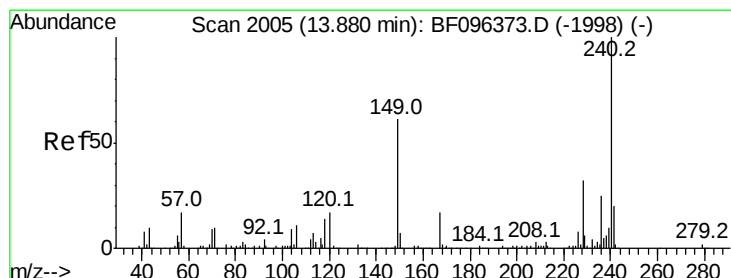
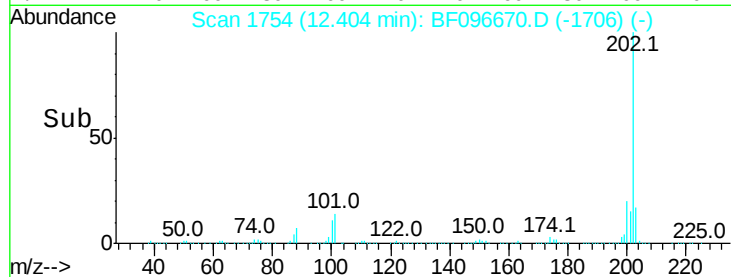
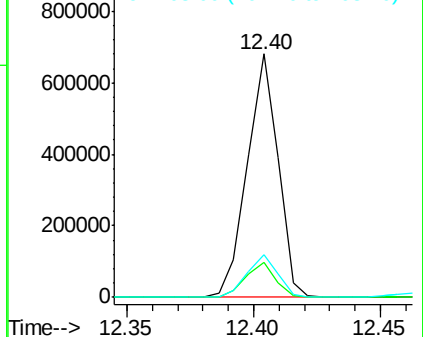
203 17.5 0.0 38.1



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: 13.83 min Scan# 1996

Delta R.T. -0.02 min

Lab File: BF096670.D

Acq: 12 Jul 2017 4:13

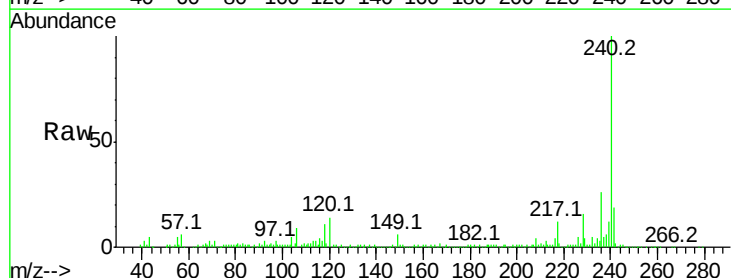
Tgt Ion:240 Resp: 195936

Ion Ratio Lower Upper

240 100

120 13.8 5.8 8.8#

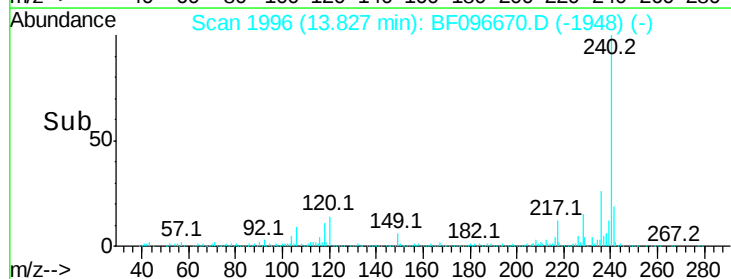
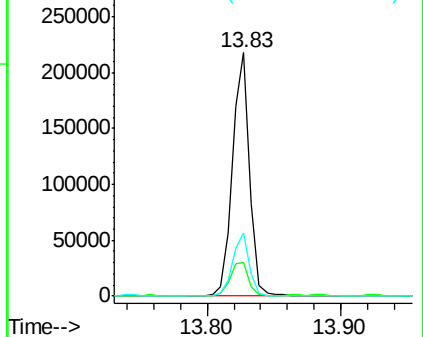
236 26.1 20.5 30.7

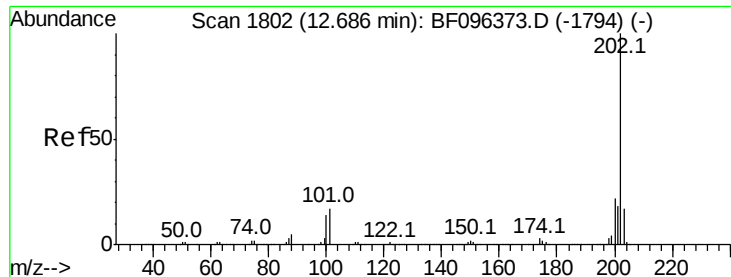


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 32.305 ng

RT: 12.63 min Scan# 1793

Delta R.T. -0.02 min

Lab File: BF096670.D

Acq: 12 Jul 2017 4:13

Instrument :

BNA_F

ClientSampleId :

E2-HS1-SSW

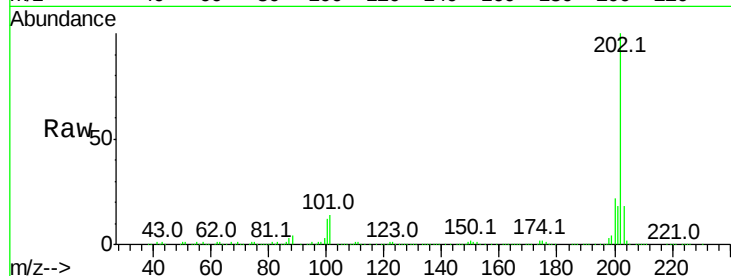
Tot Ion:202 Resp: 508065

Ion Ratio Lower Upper

202 100

200 21.7 17.6 26.4

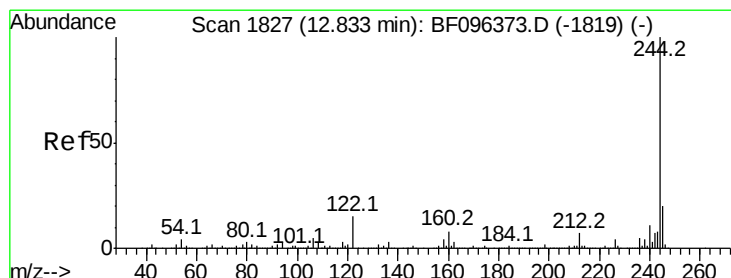
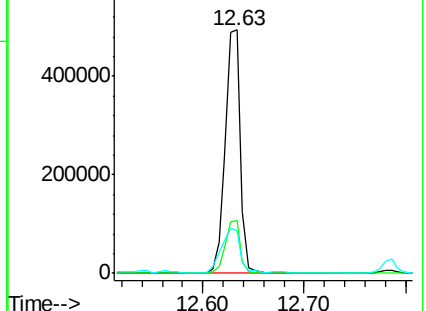
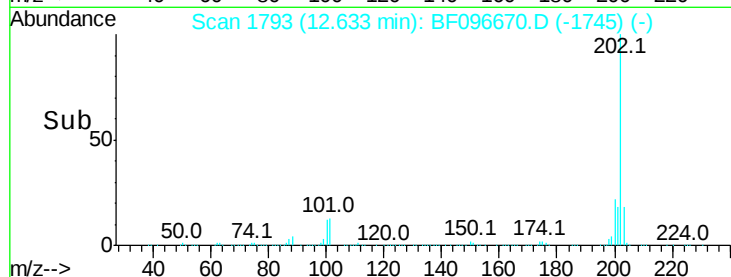
203 17.7 14.4 21.6



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: 30.691 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.02 min

Lab File: BF096670.D

Acq: 12 Jul 2017 4:13

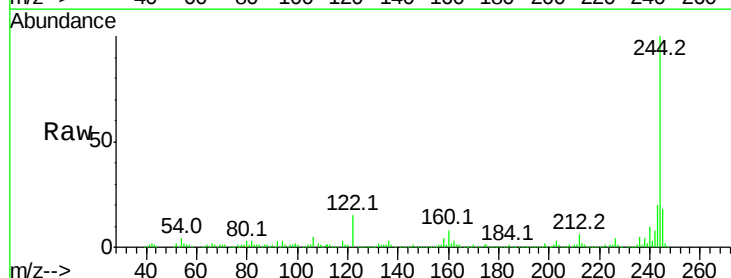
Tgt Ion:244 Resp: 281415

Ion Ratio Lower Upper

244 100

212 6.2 6.0 9.0

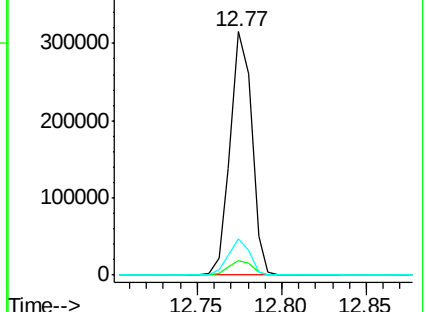
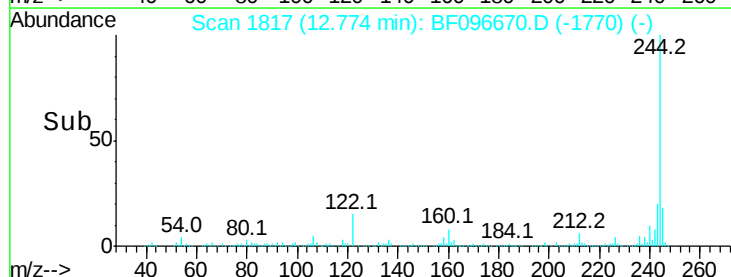
122 14.9 10.3 15.5

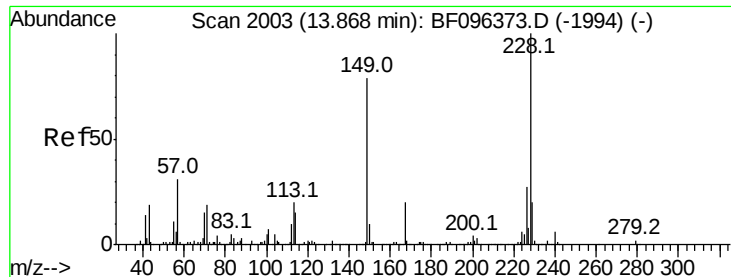


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 20.788 ng

RT: 13.82 min Scan# 1994

Delta R.T. -0.02 min

Lab File: BF096670.D

Acq: 12 Jul 2017 4:13

Instrument :

BNA_F

ClientSampleId :

E2-HS1-SSW

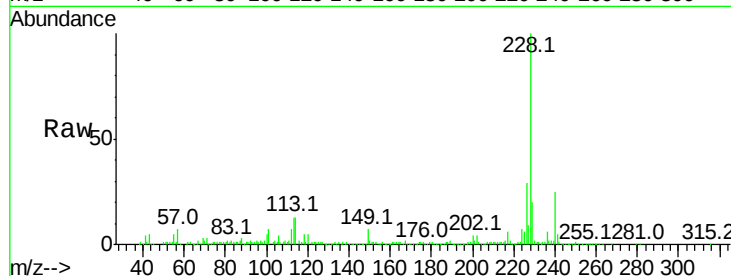
Tot Ion:228 Resp: 235868

Ion Ratio Lower Upper

228 100

226 28.9 22.6 33.8

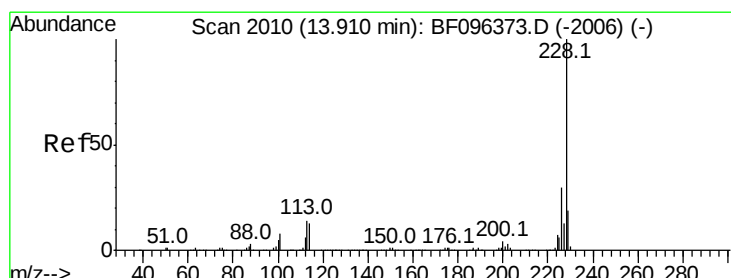
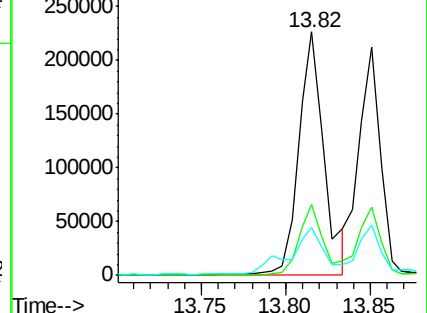
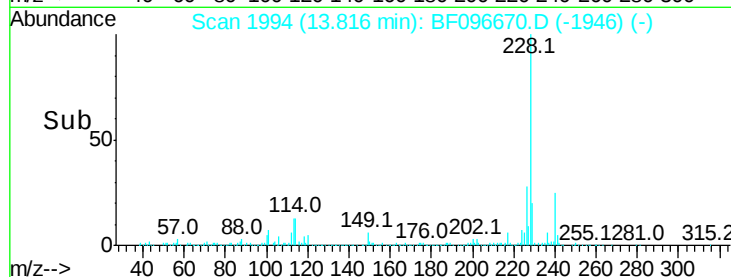
229 19.8 16.3 24.5



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: 15.906 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.02 min

Lab File: BF096670.D

Acq: 12 Jul 2017 4:13

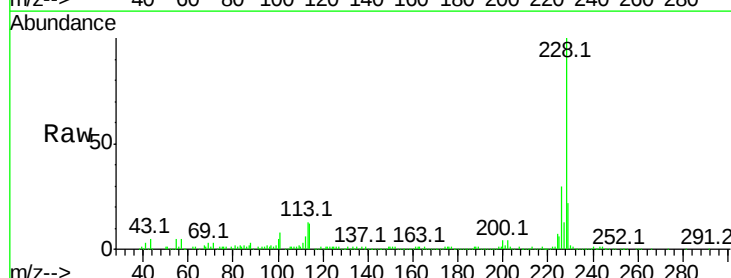
Tgt Ion:228 Resp: 188996

Ion Ratio Lower Upper

228 100

226 29.8 24.9 37.3

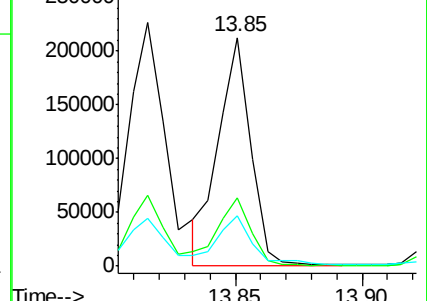
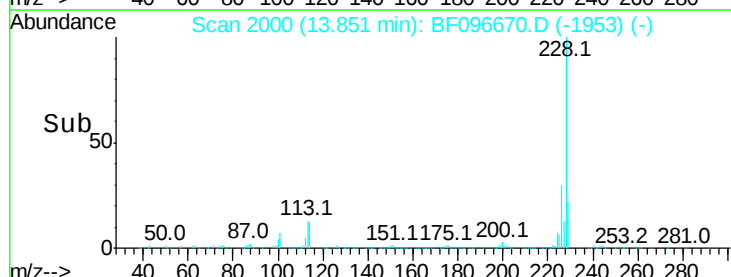
229 22.2 15.8 23.6

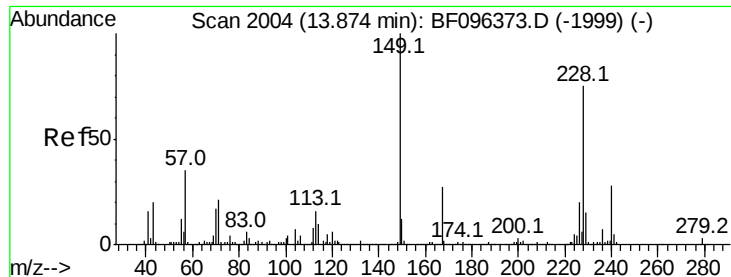


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Bis(2-ethylhexyl)phthalate

Concen: 2.140 ng

RT: 13.82 min Scan# 1995

Delta R.T. -0.02 min

Lab File: BF096670.D

Acq: 12 Jul 2017 4:13

Instrument :

BNA_F

ClientSampleId :

E2-HS1-SSW

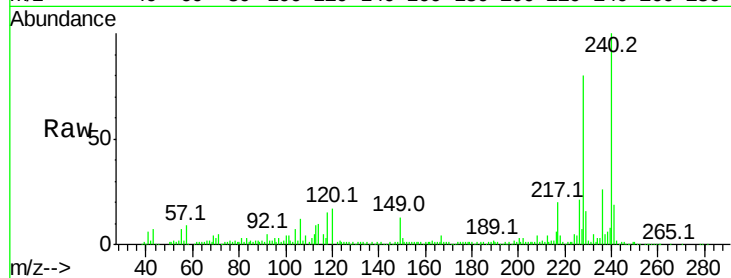
Tot Ion:149 Resp: 19016

Ion Ratio Lower Upper

149 100

167 28.4 21.0 31.4

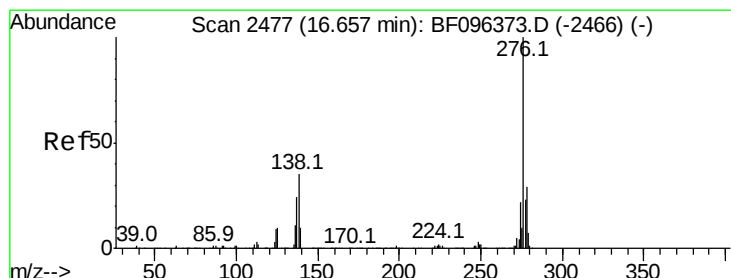
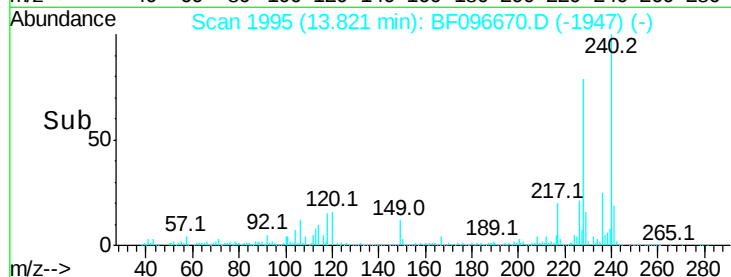
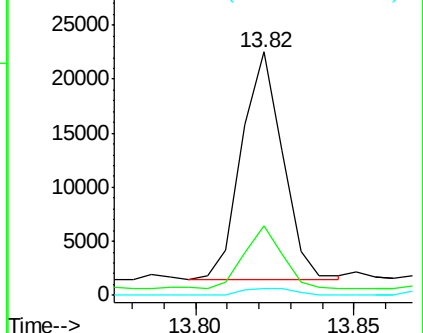
279 3.0 1.9 2.9#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#85

Indeno(1,2,3-cd)pyrene

Concen: 8.451 ng

RT: 16.56 min Scan# 2461

Delta R.T. -0.04 min

Lab File: BF096670.D

Acq: 12 Jul 2017 4:13

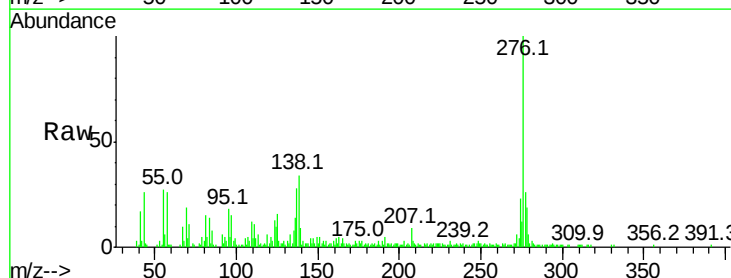
Tgt Ion:276 Resp: 79263

Ion Ratio Lower Upper

276 100

138 35.6 27.8 41.6

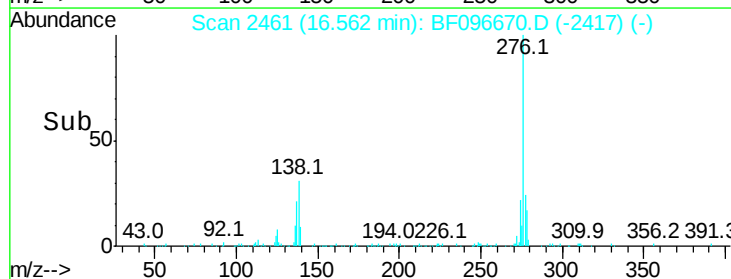
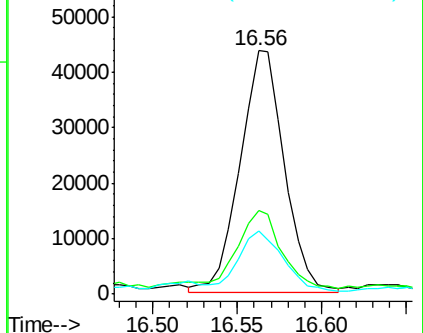
277 24.8 20.2 30.4

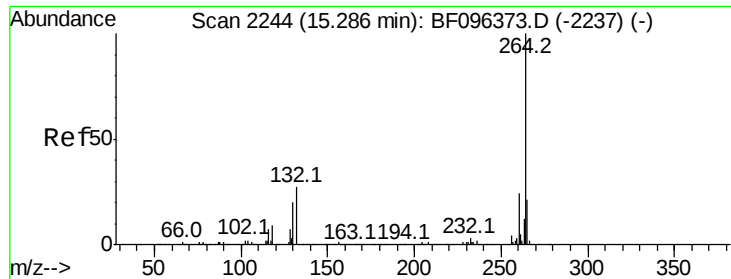


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

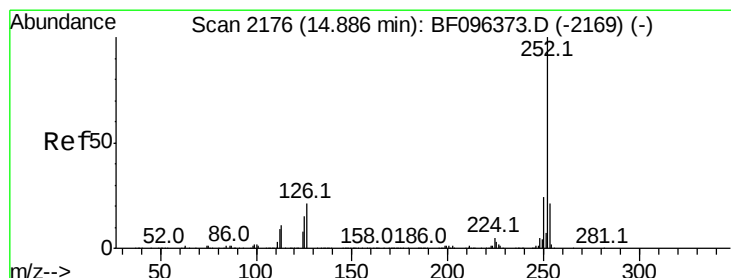
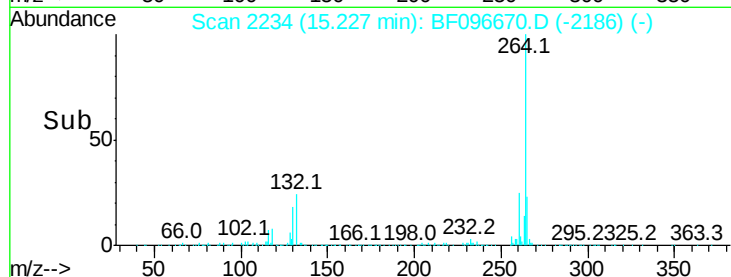
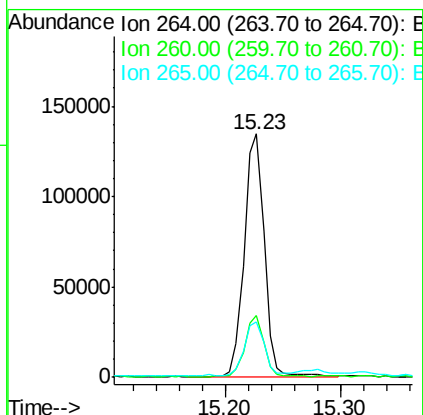
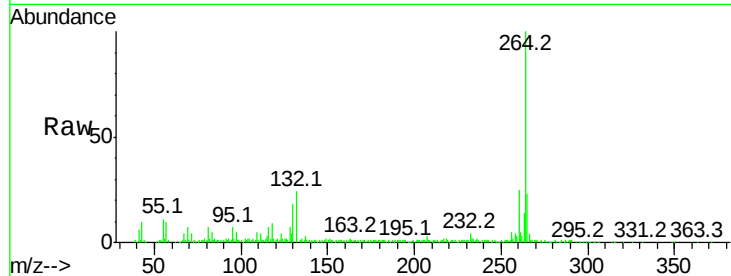




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.02 min
Lab File: BF096670.D
Acq: 12 Jul 2017 4:13

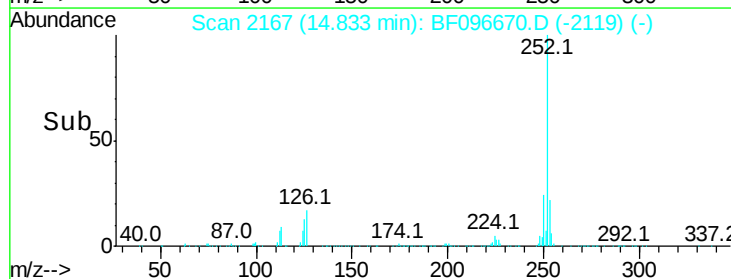
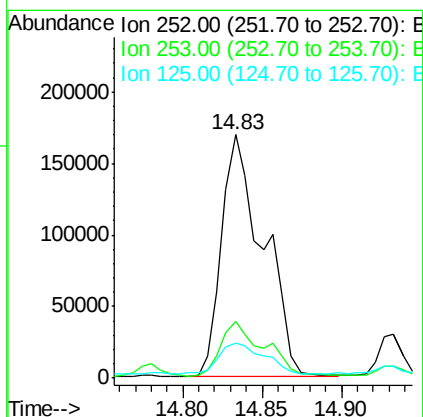
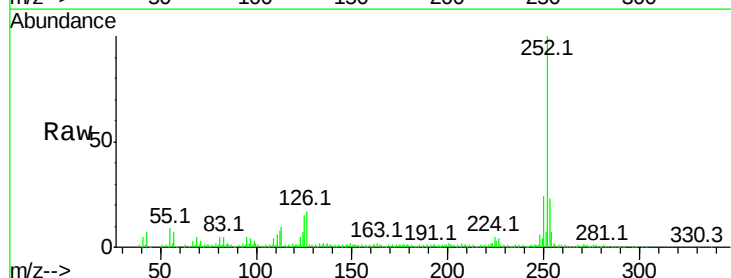
Instrument :
BNA_F
ClientSampleId :
E2-HS1-SSW

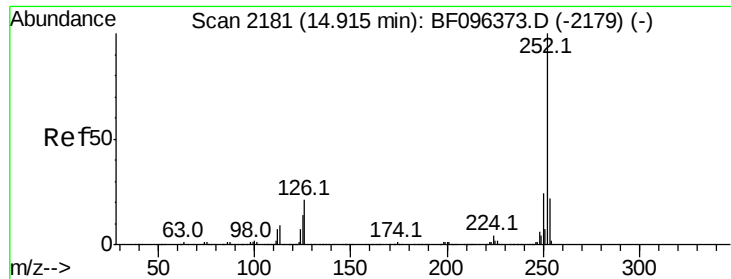
Tot Ion:264 Resp: 162134
Ion Ratio Lower Upper
264 100
260 25.4 19.5 29.3
265 22.9 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 30.587 ng
RT: 14.83 min Scan# 2167
Delta R.T. -0.02 min
Lab File: BF096670.D
Acq: 12 Jul 2017 4:13

Tgt Ion:252 Resp: 310742
Ion Ratio Lower Upper
252 100
253 23.1 18.1 27.1
125 14.6 9.8 14.8

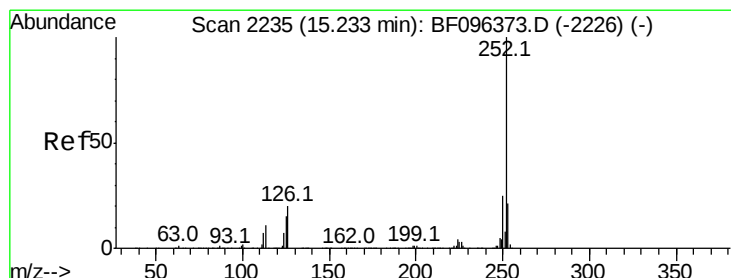
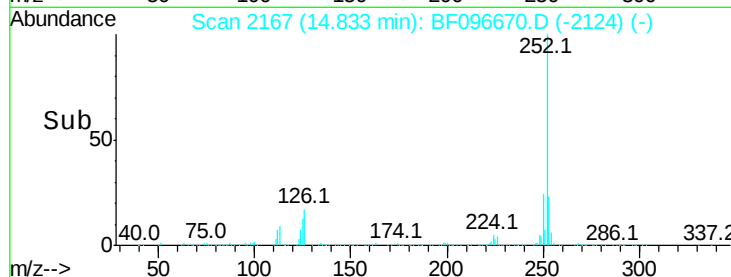
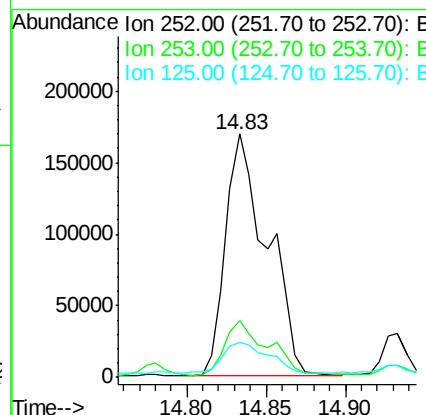
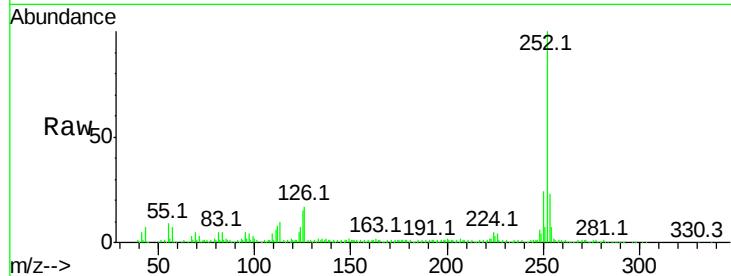




#88
Benzo(k)fluoranthene
Concen: 34.194 ng
RT: 14.83 min Scan# 2167
Delta R.T. -0.05 min
Lab File: BF096670.D
Acq: 12 Jul 2017 4:13

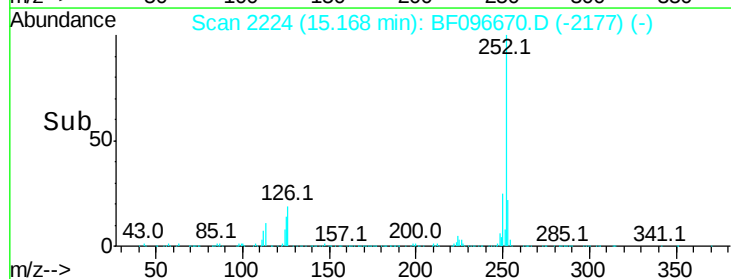
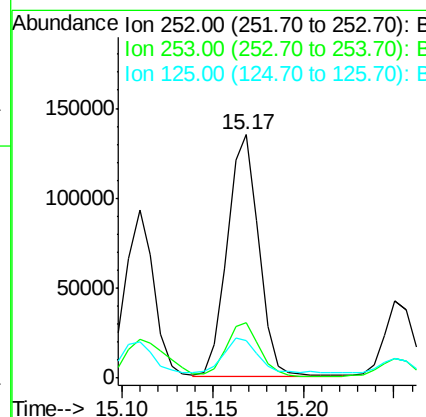
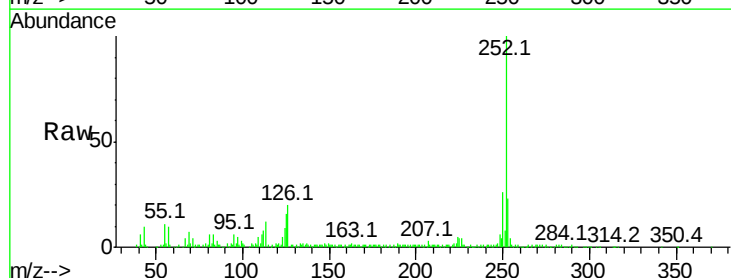
Instrument :
BNA_F
ClientSampleId :
E2-HS1-SSW

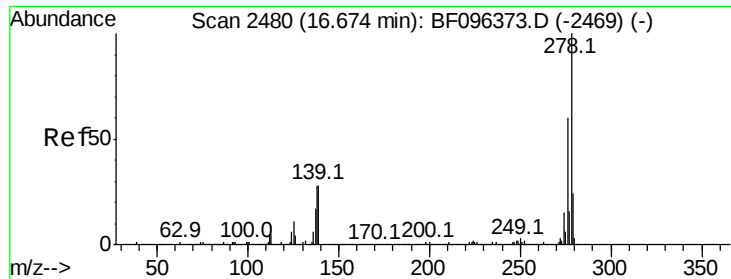
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.4	27.6
125	14.6	13.1	19.7



#89
Benzo(a)pyrene
Concen: 17.919 ng
RT: 15.17 min Scan# 2224
Delta R.T. -0.02 min
Lab File: BF096670.D
Acq: 12 Jul 2017 4:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.5	26.3
125	15.5	11.0	16.4





#90

Dibenzo(a,h)anthracene

Concen: 3.082 ng

RT: 16.57 min Scan# 2462

Delta R.T. -0.05 min

Lab File: BF096670.D

Acq: 12 Jul 2017 4:13

Instrument :

BNA_F

ClientSampleId :

E2-HS1-SSW

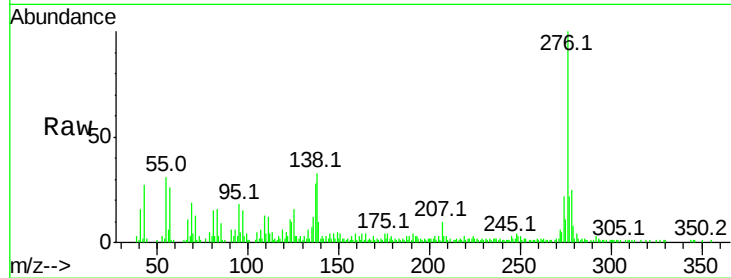
Tot Ion:278 Resp: 21994

Ion Ratio Lower Upper

278 100

139 39.6 16.6 24.8#

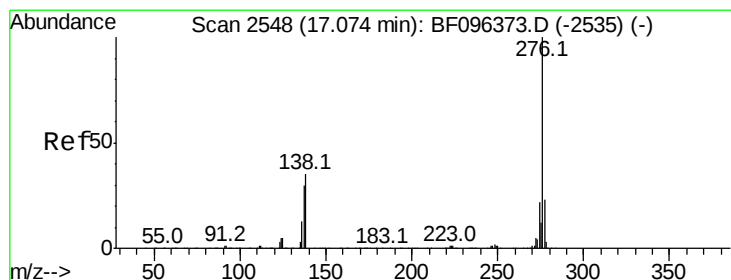
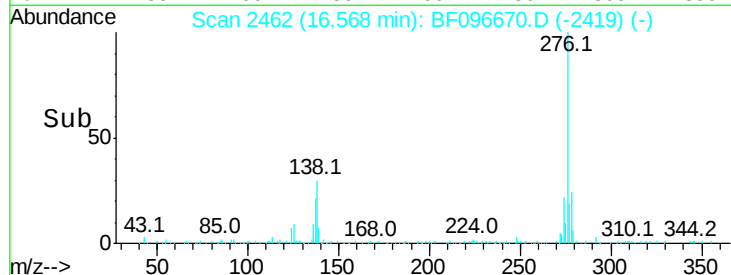
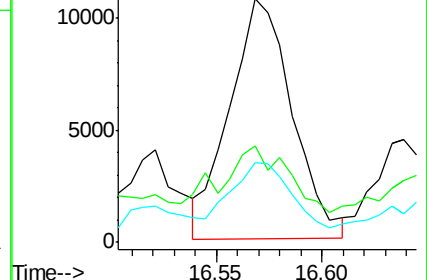
279 32.7 19.3 28.9#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 8.828 ng

RT: 16.97 min Scan# 2530

Delta R.T. -0.04 min

Lab File: BF096670.D

Acq: 12 Jul 2017 4:13

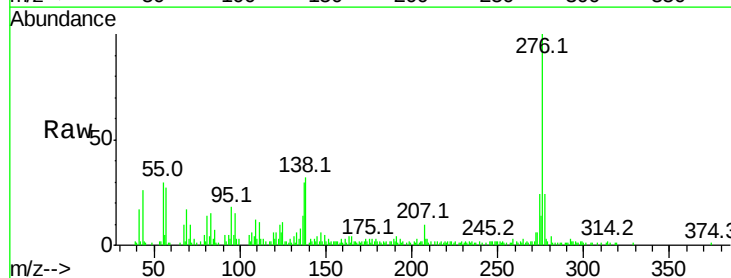
Tgt Ion:276 Resp: 65275

Ion Ratio Lower Upper

276 100

277 24.0 18.6 28.0

138 32.1 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

