

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071117\
 Data File : BF096672.D
 Acq On : 12 Jul 2017 5:09
 Operator : SJ/JU
 Sample : I4130-08
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS1-WSW

Quant Time: Jul 12 06:56:22 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

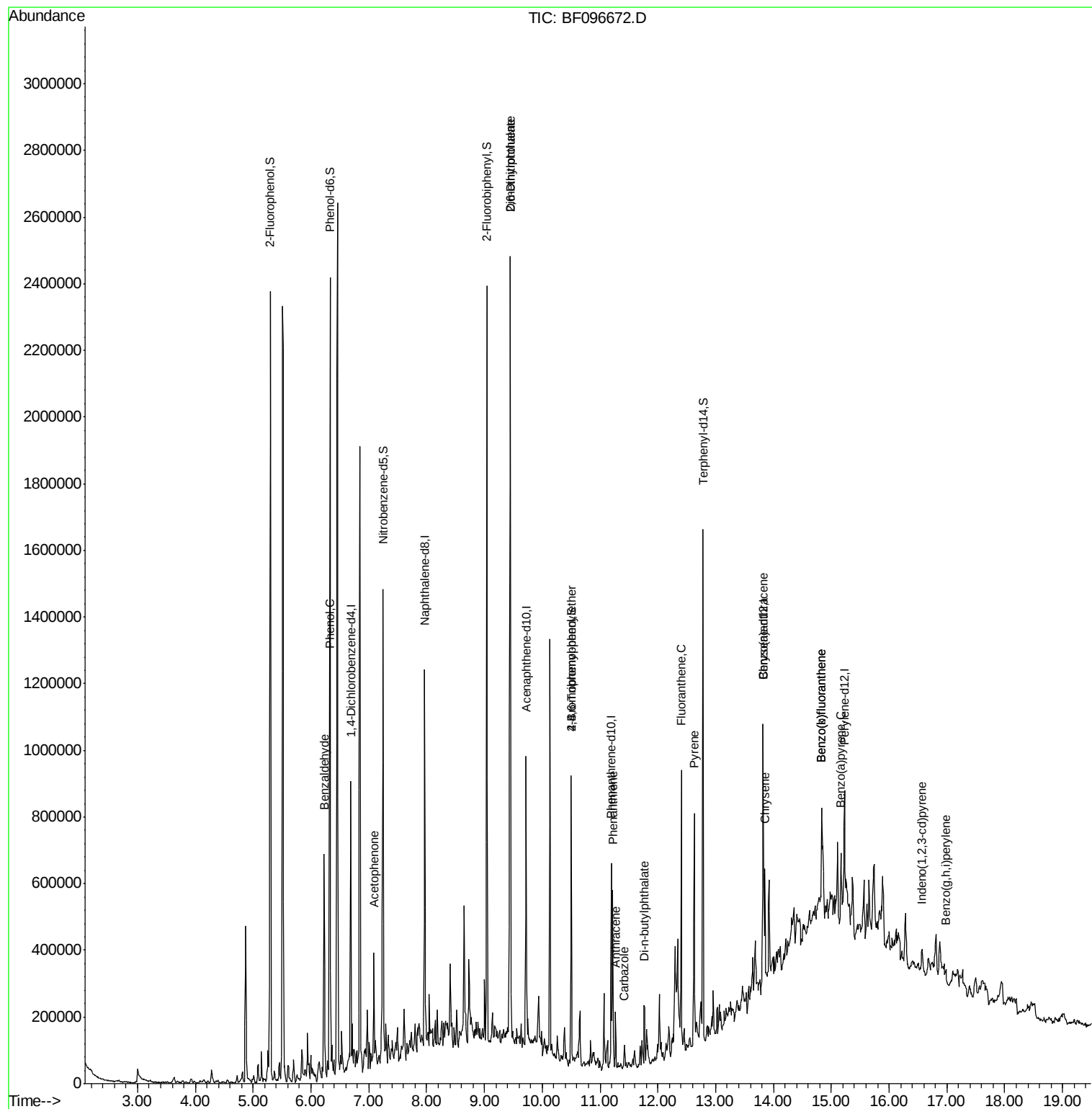
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	115985	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	456743	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	159202	20.00	ng	-0.02
63) Phenanthrene-d10	11.19	188	214087	20.00	ng	-0.02
75) Chrysene-d12	13.83	240	212938	20.00	ng	-0.02
86) Perylene-d12	15.23	264	150841	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	665586	84.70	ng	-0.01
7) Phenol-d6	6.33	99	804977	83.33	ng	-0.02
23) Nitrobenzene-d5	7.25	82	421751	55.49	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	96387	77.51	ng	-0.02
44) 2-Fluorobiphenyl	9.05	172	669568	71.91	ng	-0.02
78) Terphenyl-d14	12.78	244	443022	44.46	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	6.23	77	99531	16.462	ng	98
10) Phenol	6.34	94	48550	4.411	ng	90
22) Acetophenone	7.09	105	63763	6.389	ng	92
49) Dimethylphthalate	9.45	163	1143132	96.186	ng	100
50) 2,6-Dinitrotoluene	9.45	165	12388	4.714	ng	# 1
66) 4-Bromophenyl-phenylether	10.50	248	6145	2.949	ng	# 1
70) Phenanthrene	11.22	178	193319	16.704	ng	98
71) Anthracene	11.27	178	51828	4.395	ng	98
72) Carbazole	11.42	167	26332	2.220	ng	99
73) Di-n-butylphthalate	11.76	149	82610	5.751	ng	99
74) Fluoranthene	12.40	202	304630	26.848	ng	99
77) Pyrene	12.63	202	287857	16.842	ng	99
80) Benzo(a)anthracene	13.82	228	151781	12.309	ng	99
82) Chrysene	13.85	228	124680	9.655	ng	98
85) Indeno(1,2,3-cd)pyrene	16.57	276	44294	4.346	ng	95
87) Benzo(b)fluoranthene	14.83	252	195206	20.653	ng	# 89
88) Benzo(k)fluoranthene	14.83	252	195206	23.089	ng	93
89) Benzo(a)pyrene	15.17	252	90948	10.778	ng	# 88
91) Benzo(a,h,i)perylene	16.97	276	40005	5.816	ng	98

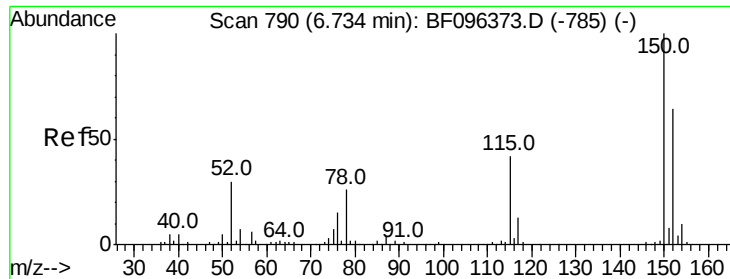
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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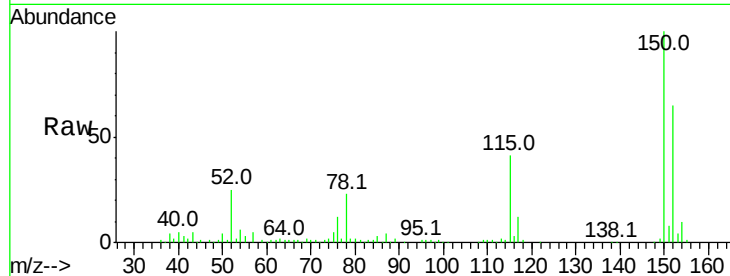


#1

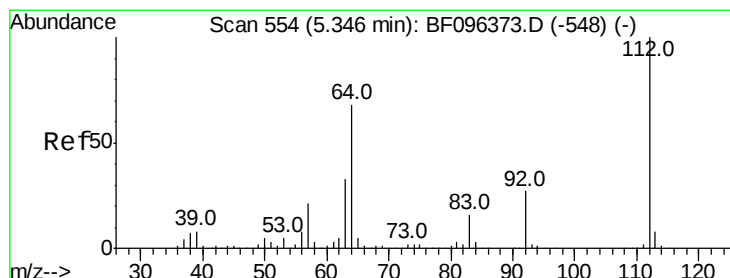
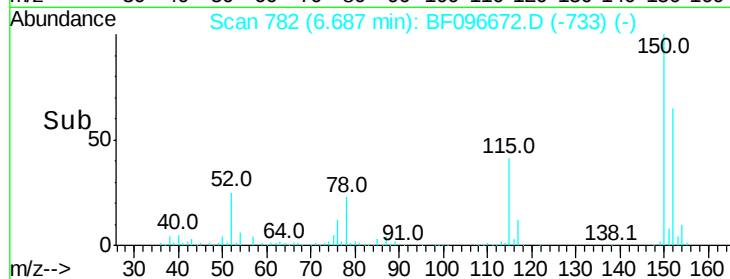
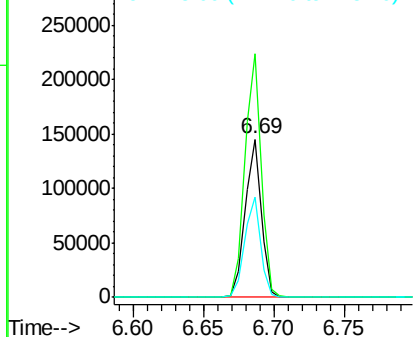
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF096672.D
Acq: 12 Jul 2017 5:09

Instrument :
BNA_F
ClientSampleId :
E2-HS1-WSW

Tot Ion:152 Resp: 115985
Ion Ratio Lower Upper
152 100
150 154.1 126.2 189.2
115 63.4 52.2 78.2



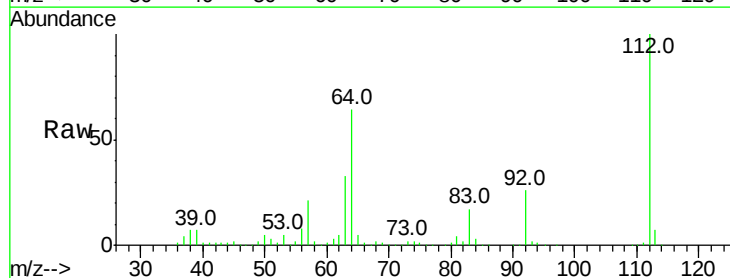
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



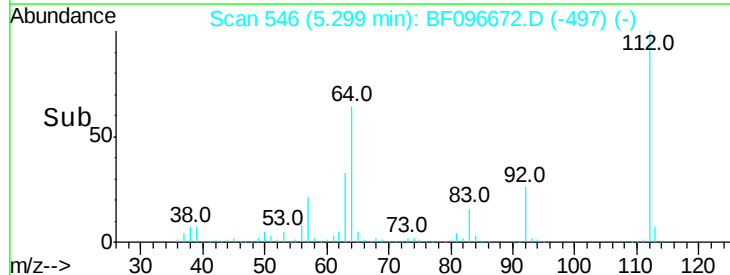
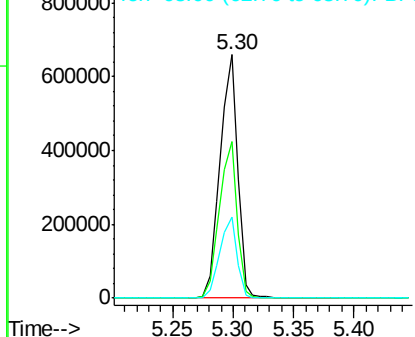
#5

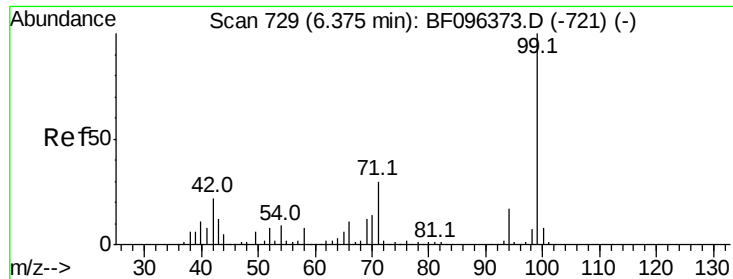
2-Fluorophenol
Concen: 84.699 ng
RT: 5.30 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF096672.D
Acq: 12 Jul 2017 5:09

Tgt Ion:112 Resp: 665586
Ion Ratio Lower Upper
112 100
64 64.4 46.0 69.0
63 33.3 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: 83.325 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.02 min

Lab File: BF096672.D

Acq: 12 Jul 2017 5:09

Instrument :

BNA_F

ClientSampleId :

E2-HS1-WSW

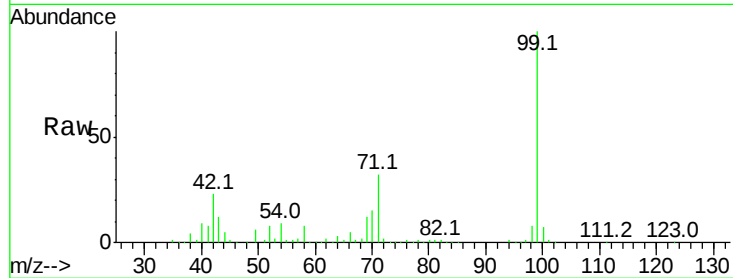
Tot Ion: 99 Resp: 804977

Ion Ratio Lower Upper

99 100

42 22.5 13.5 20.3#

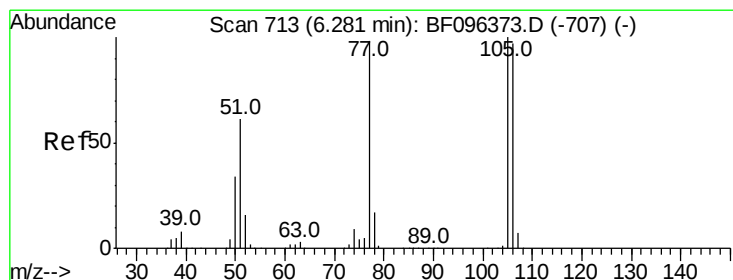
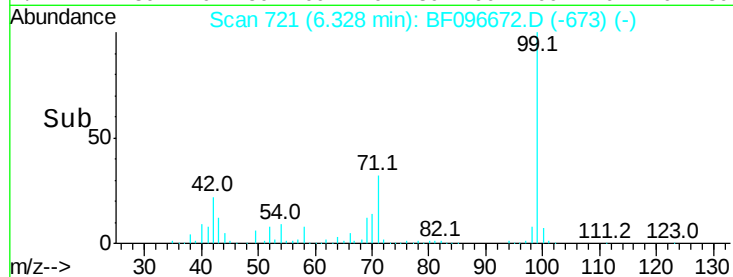
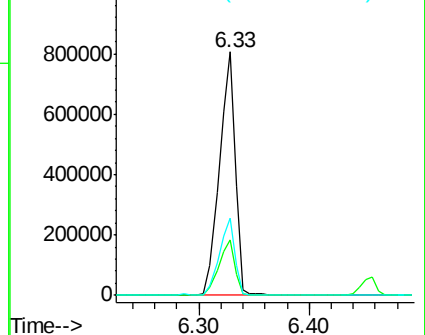
71 31.8 24.5 36.7



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 16.462 ng

RT: 6.23 min Scan# 704

Delta R.T. -0.02 min

Lab File: BF096672.D

Acq: 12 Jul 2017 5:09

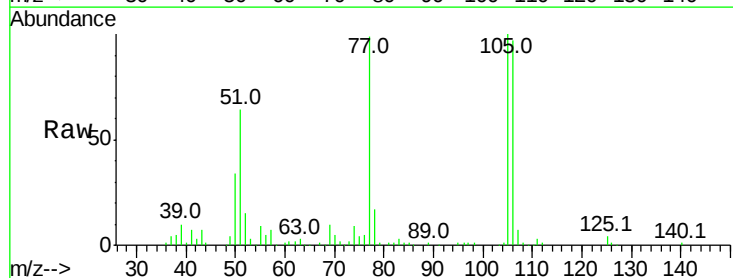
Tgt Ion: 77 Resp: 99531

Ion Ratio Lower Upper

77 100

105 101.1 83.8 123.8

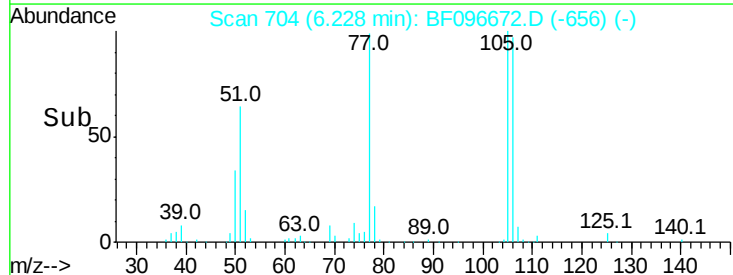
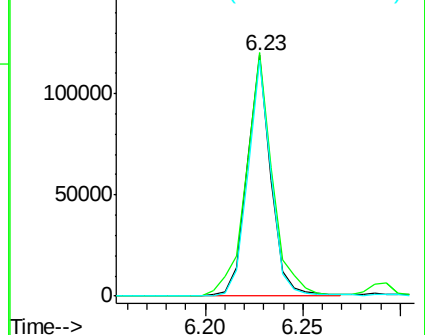
106 97.9 79.1 119.1

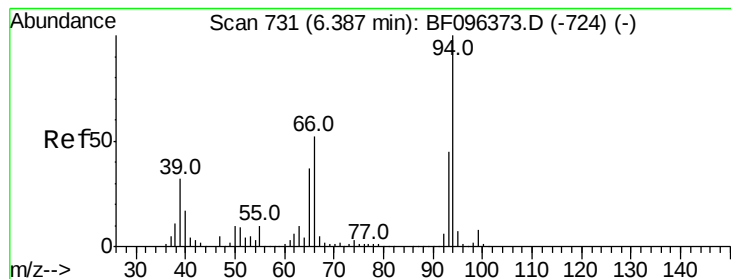


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): BF0

Ion 106.00 (105.70 to 106.70): BF0





#10

Phenol

Concen: 4.411 ng

RT: 6.34 min Scan# 723

Delta R.T. -0.02 min

Lab File: BF096672.D

Acq: 12 Jul 2017 5:09

Instrument :

BNA_F

ClientSampleId :

E2-HS1-WSW

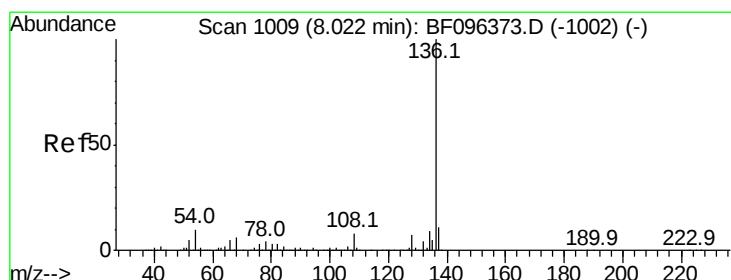
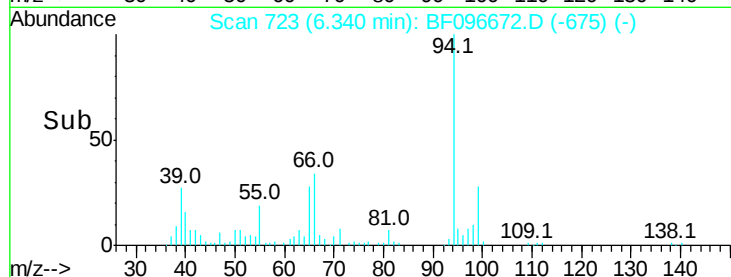
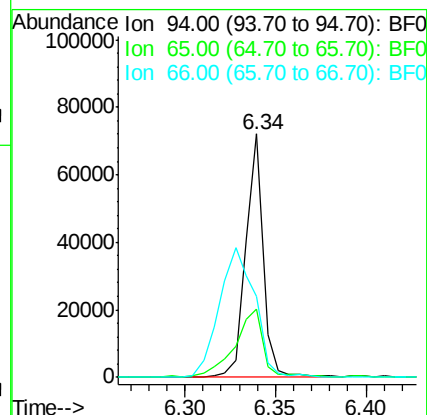
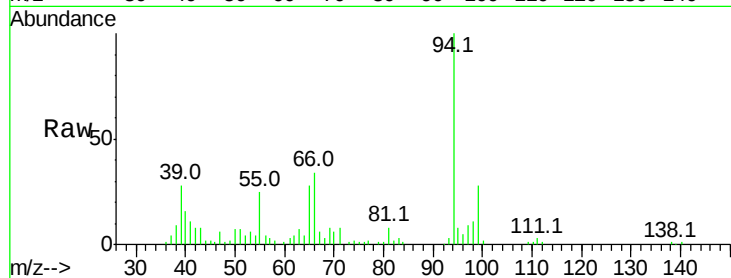
Tot Ion: 94 Resp: 48550

Ion Ratio Lower Upper

94 100

65 27.8 9.9 49.9

66 33.5 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: BF096672.D

Acq: 12 Jul 2017 5:09

Tgt Ion: 136 Resp: 456743

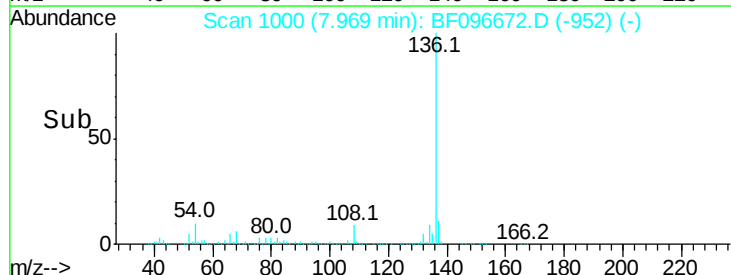
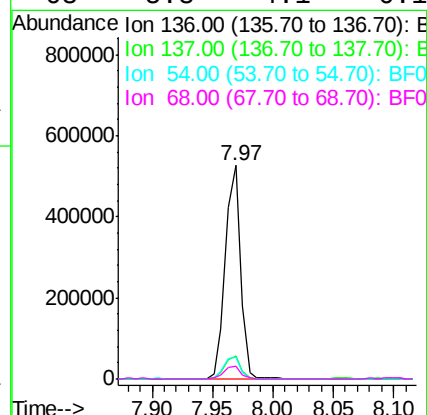
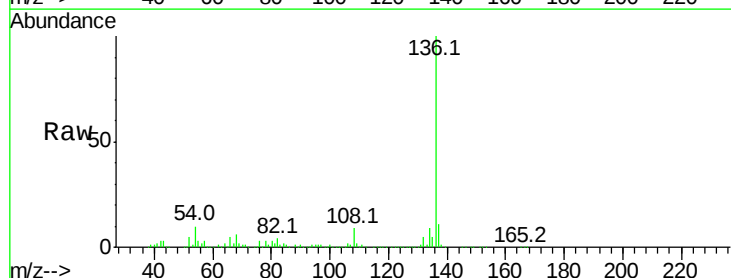
Ion Ratio Lower Upper

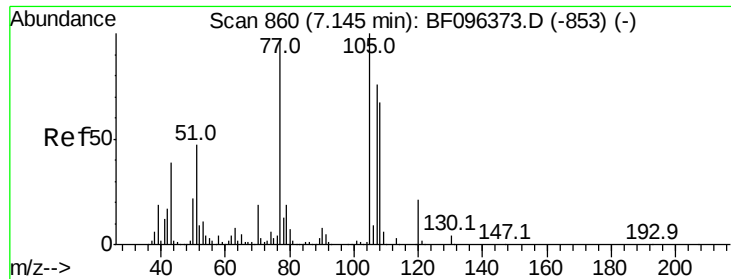
136 100

137 10.8 8.5 12.7

54 10.0 4.9 7.3#

68 5.8 4.1 6.1





#22

Acetophenone

Concen: 6.389 ng

RT: 7.09 min Scan# 851

Delta R.T. -0.02 min

Lab File: BF096672.D

Acq: 12 Jul 2017 5:09

Instrument :

BNA_F

ClientSampleId :

E2-HS1-WSW

Tot Ion:105 Resp: 63763

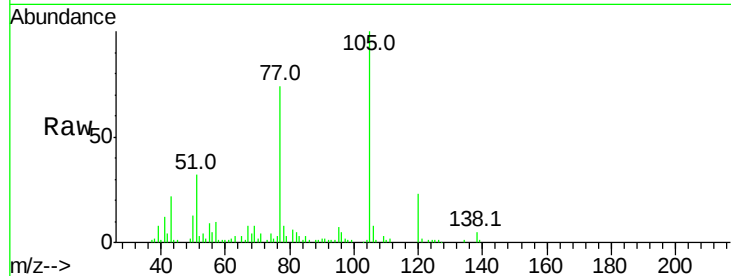
Ion Ratio Lower Upper

105 100

71 4.0 2.8 4.2

51 31.6 30.7 46.1

120 23.0 17.4 26.0

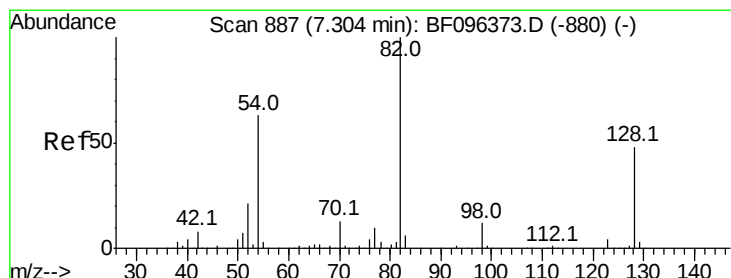
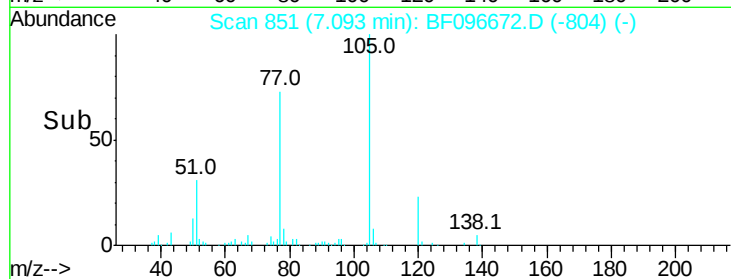
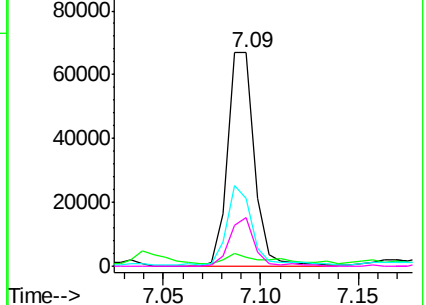


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 55.487 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.02 min

Lab File: BF096672.D

Acq: 12 Jul 2017 5:09

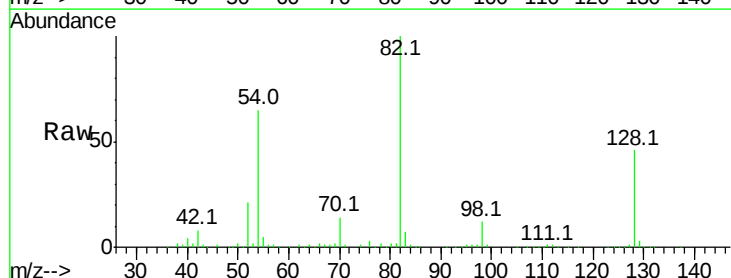
Tgt Ion: 82 Resp: 421751

Ion Ratio Lower Upper

82 100

128 45.6 34.0 51.0

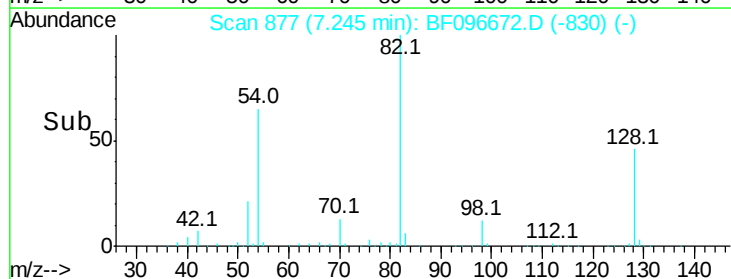
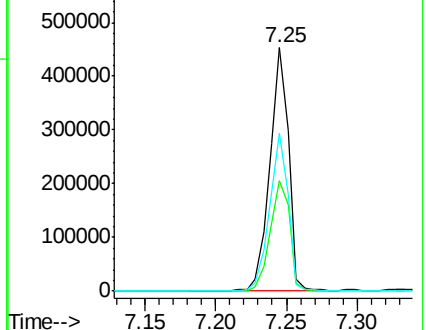
54 64.8 42.2 63.2#

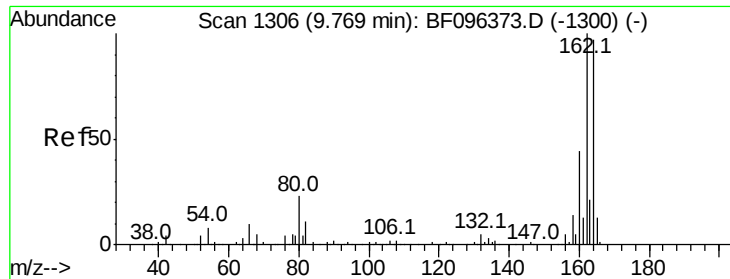


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

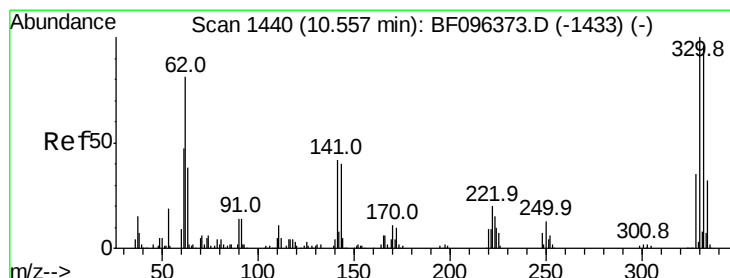
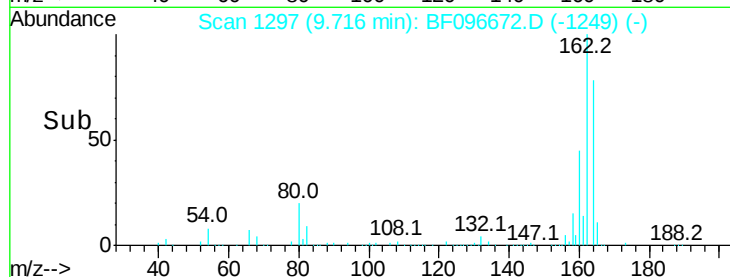
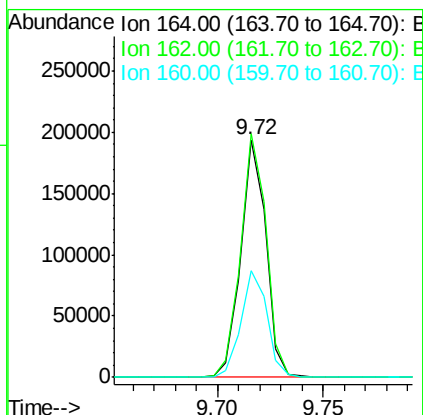
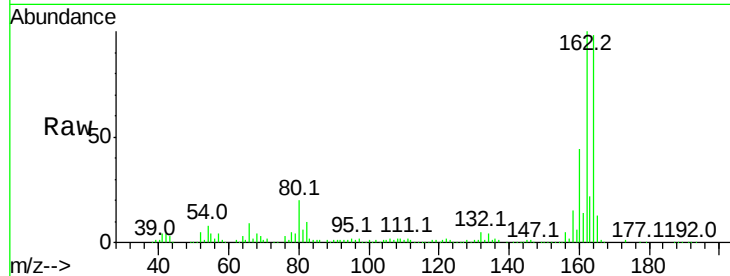




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.72 min Scan# 1297
 Delta R.T. -0.02 min
 Lab File: BF096672.D
 Acq: 12 Jul 2017 5:09

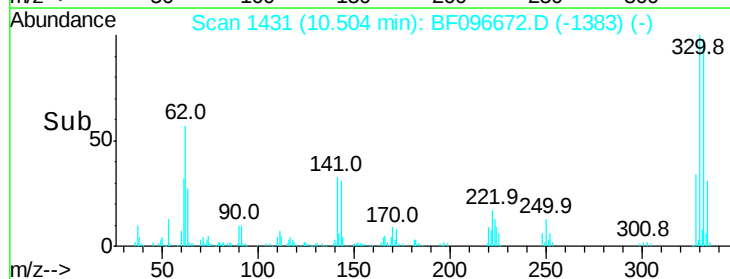
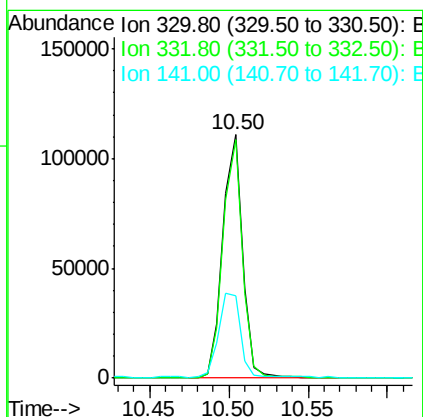
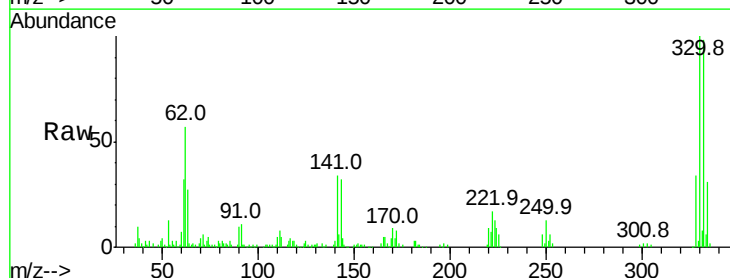
Instrument :
 BNA_F
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 E2-HS1-WSW

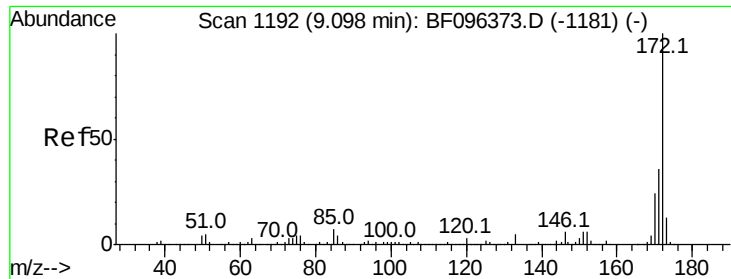
Tot Ion:164 Resp: 159202
 Ion Ratio Lower Upper
 164 100
 162 102.4 82.6 123.8
 160 45.1 36.2 54.2



#41
 2,4,6-Tribromophenol
 Concen: 77.509 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.02 min
 Lab File: BF096672.D
 Acq: 12 Jul 2017 5:09

Tgt Ion:330 Resp: 96387
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.6 115.0
 141 37.2 31.4 47.2

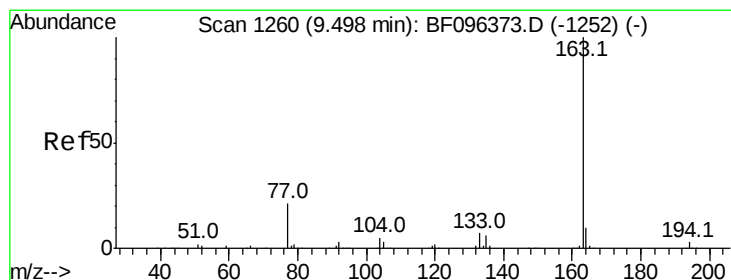
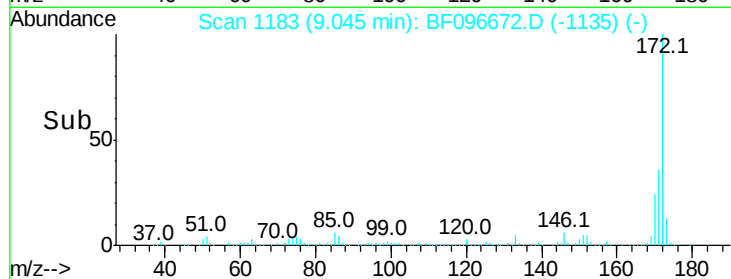
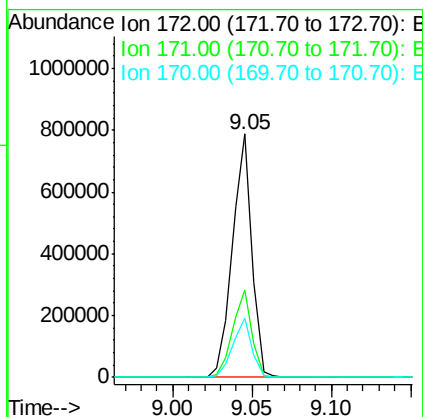
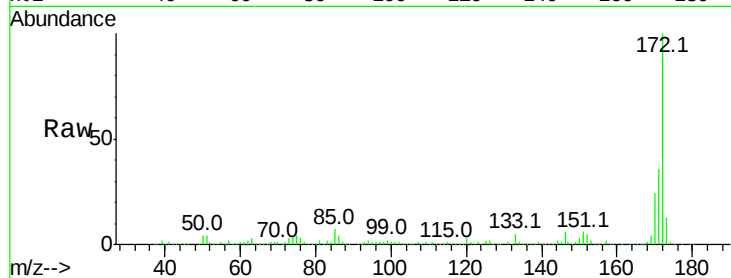




#44
2-Fluorobiphenyl
Concen: 71.909 ng
RT: 9.05 min Scan# 1183
Delta R.T. -0.02 min
Lab File: BF096672.D
Acq: 12 Jul 2017 5:09

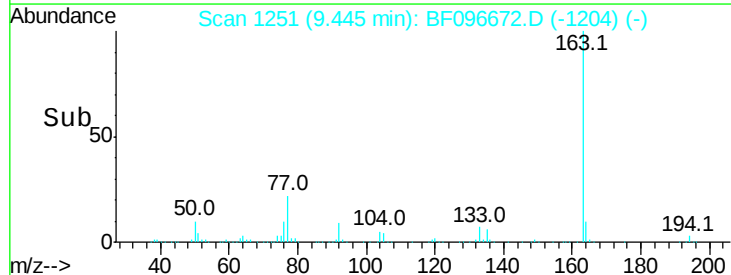
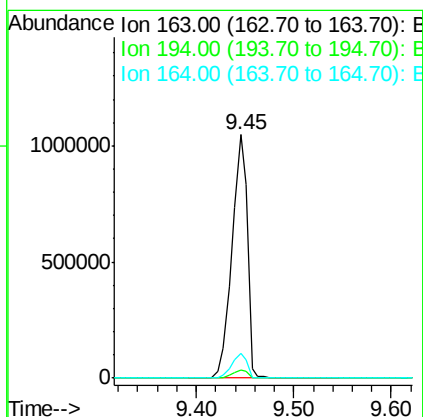
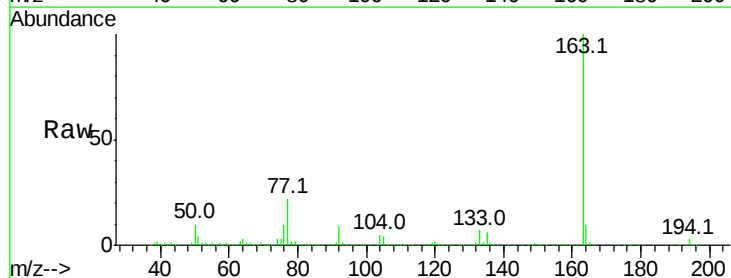
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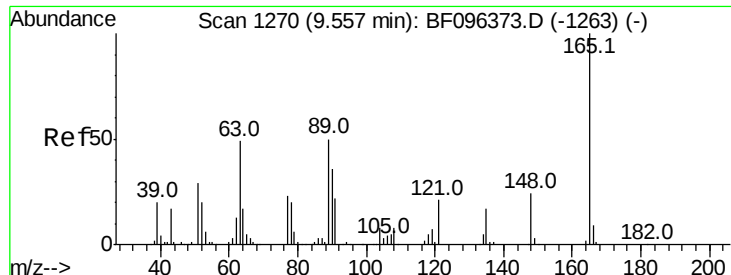
Tot Ion:172 Resp: 669568
Ion Ratio Lower Upper
172 100
171 35.8 29.6 44.4
170 24.1 19.8 29.8



#49
Dimethylphthalate
Concen: 96.186 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.02 min
Lab File: BF096672.D
Acq: 12 Jul 2017 5:09

Tgt Ion:163 Resp: 1143132
Ion Ratio Lower Upper
163 100
194 3.2 2.6 4.0
164 10.4 8.4 12.6

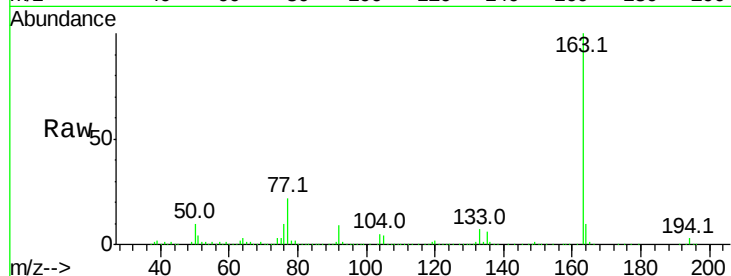




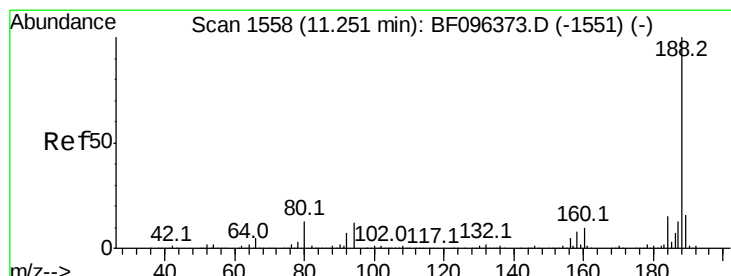
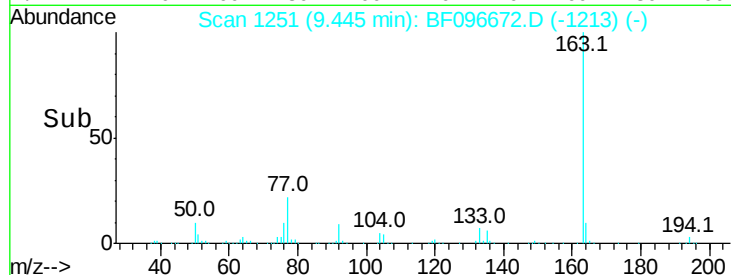
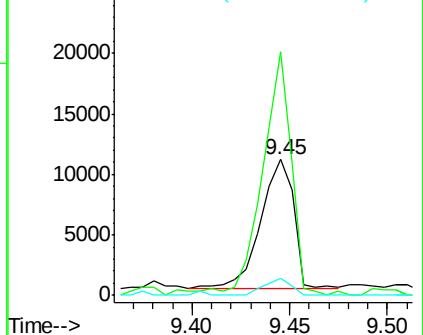
#50
 2,6-Dinitrotoluene
 Concen: 4.714 ng
 RT: 9.45 min Scan# 1251
 Delta R.T. -0.08 min
 Lab File: BF096672.D
 Acq: 12 Jul 2017 5:09

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS1-WSW

Tot Ion:165 Resp: 12388
 Ion Ratio Lower Upper
 165 100
 63 179.4 34.3 51.5#
 89 12.1 37.1 55.7#

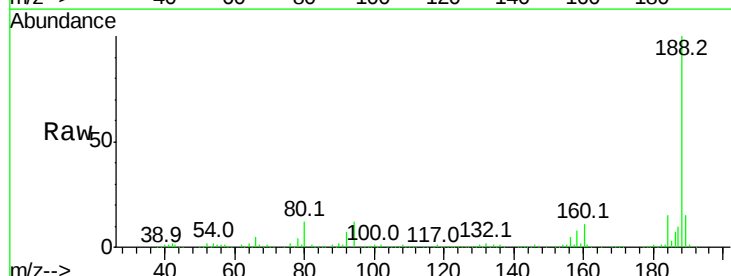


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

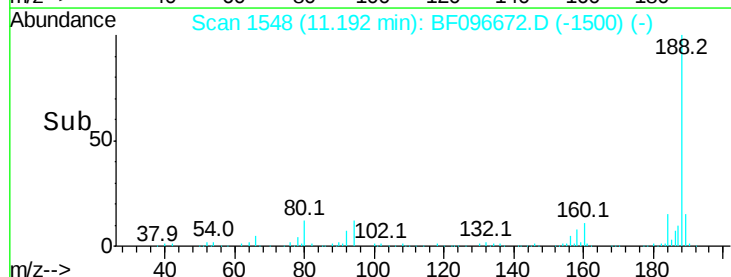
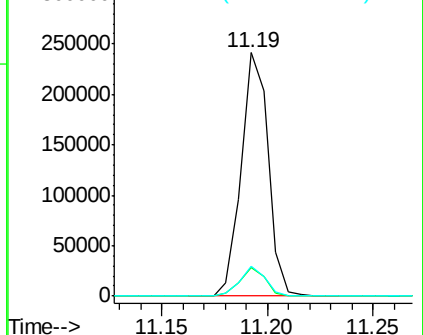


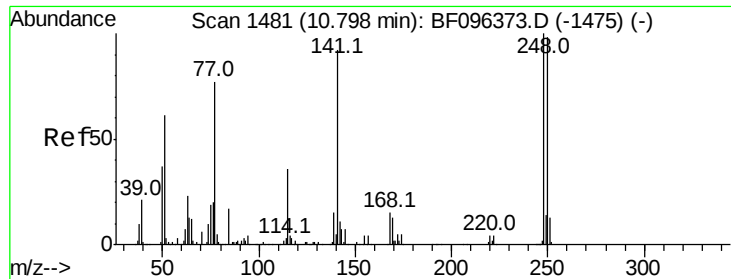
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.19 min Scan# 1548
 Delta R.T. -0.02 min
 Lab File: BF096672.D
 Acq: 12 Jul 2017 5:09

Tgt Ion:188 Resp: 214087
 Ion Ratio Lower Upper
 188 100
 94 11.8 9.4 14.2
 80 12.3 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

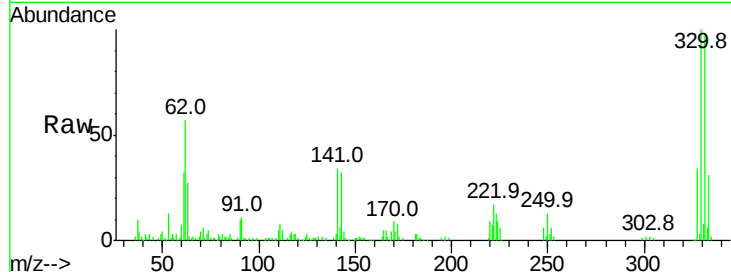




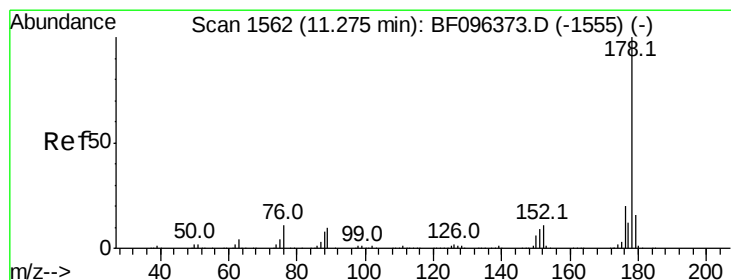
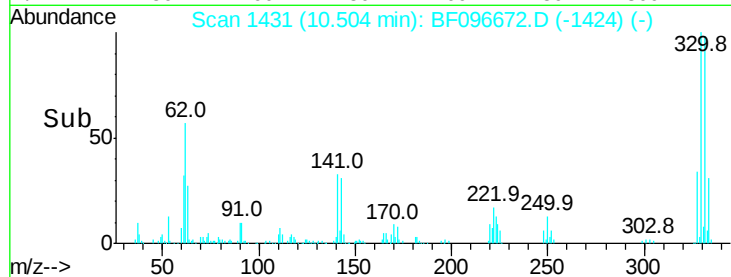
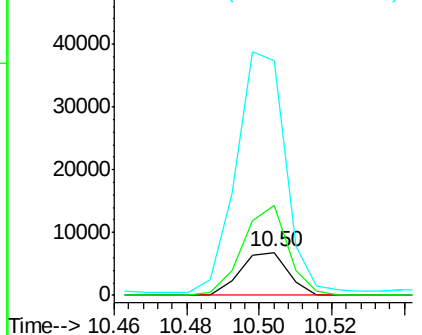
#66
 4-Bromophenyl-phenylether
 Concen: 2.949 ng
 RT: 10.50 min Scan# 1431
 Delta R.T. -0.26 min
 Lab File: BF096672.D
 Acq: 12 Jul 2017 5:09

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS1-WSW

Tot Ion:248 Resp: 6145
 Ion Ratio Lower Upper
 248 100
 250 209.0 76.8 115.2#
 141 547.6 68.6 103.0#

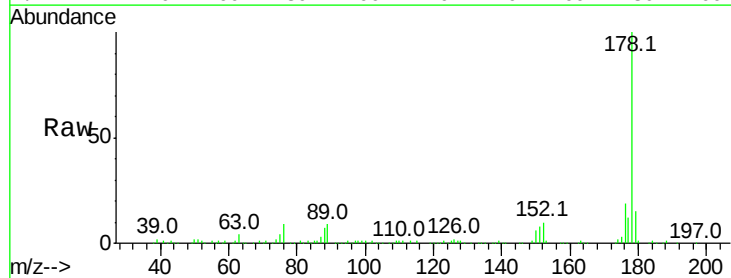


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

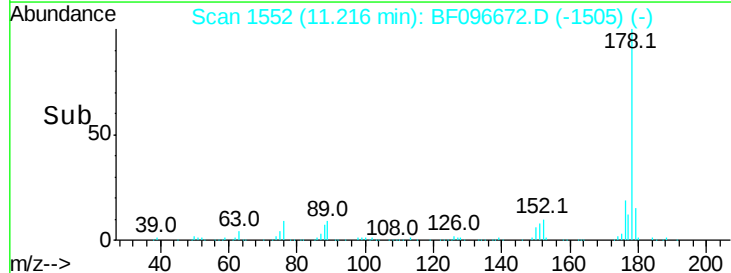
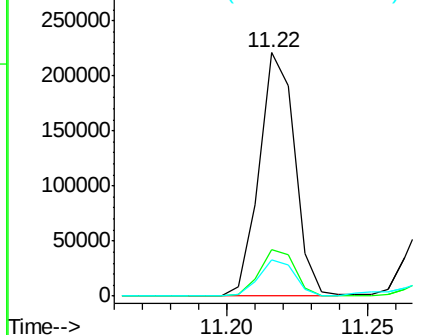


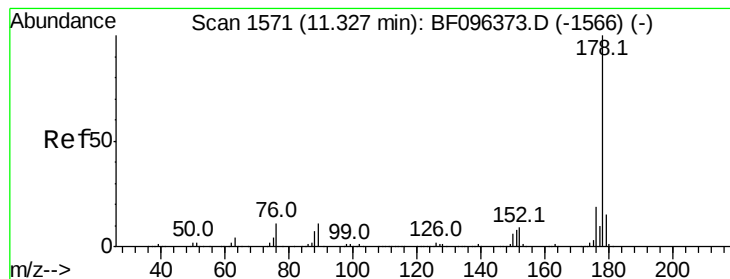
#70
 Phenanthrene
 Concen: 16.704 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. -0.02 min
 Lab File: BF096672.D
 Acq: 12 Jul 2017 5:09

Tgt Ion:178 Resp: 193319
 Ion Ratio Lower Upper
 178 100
 176 19.3 16.2 24.4
 179 15.0 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





#71

Anthracene

Concen: 4.395 ng

RT: 11.27 min Scan# 1561

Delta R.T. -0.02 min

Lab File: BF096672.D

Acq: 12 Jul 2017 5:09

Instrument :

BNA_F

ClientSampleId :

E2-HS1-WSW

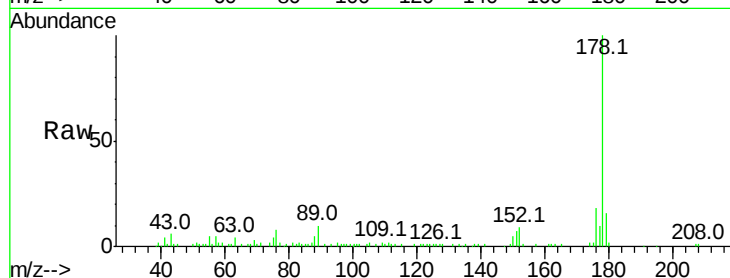
Tot Ion:178 Resp: 51828

Ion Ratio Lower Upper

178 100

176 18.1 15.8 23.8

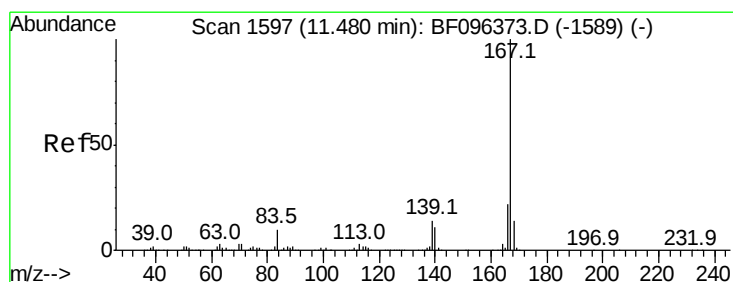
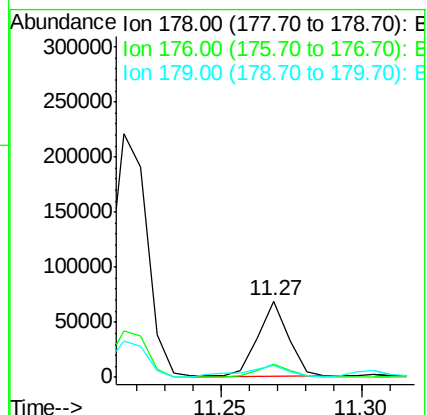
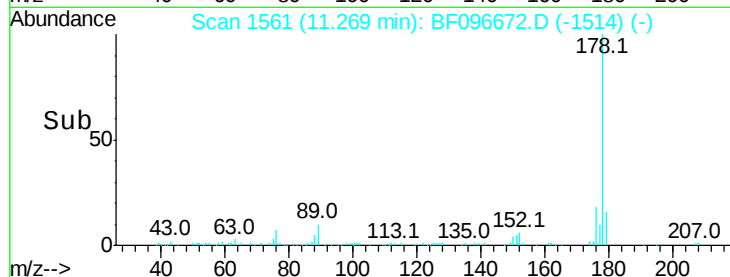
179 16.0 12.7 19.1



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: 2.220 ng

RT: 11.42 min Scan# 1587

Delta R.T. -0.02 min

Lab File: BF096672.D

Acq: 12 Jul 2017 5:09

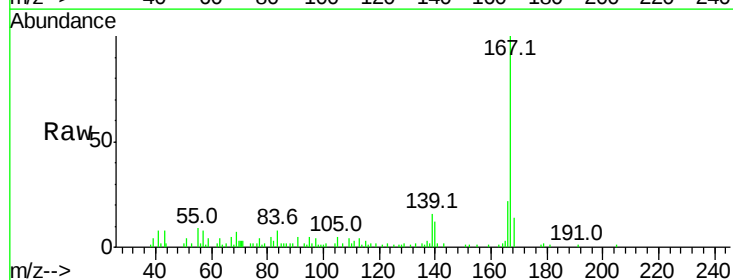
Tgt Ion:167 Resp: 26332

Ion Ratio Lower Upper

167 100

166 22.4 18.1 27.1

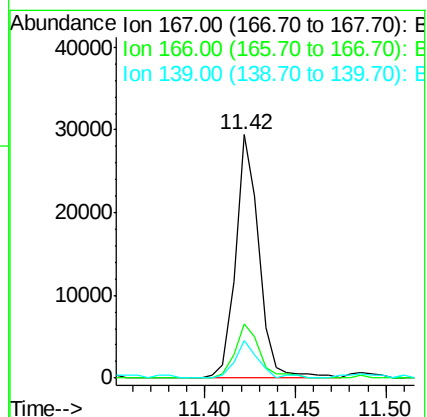
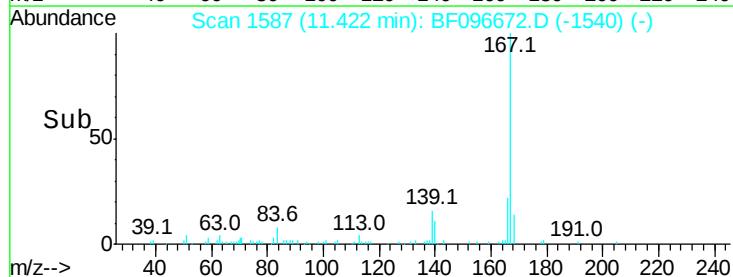
139 15.7 11.7 17.5

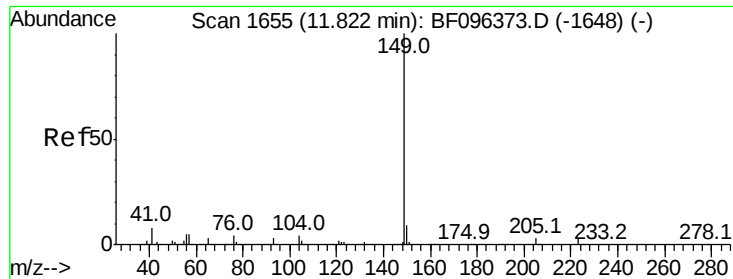


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#73

Di-n-butylphthalate

Concen: 5.751 ng

RT: 11.76 min Scan# 1645

Delta R.T. -0.02 min

Lab File: BF096672.D

Acq: 12 Jul 2017 5:09

Instrument :

BNA_F

ClientSampleId :

E2-HS1-WSW

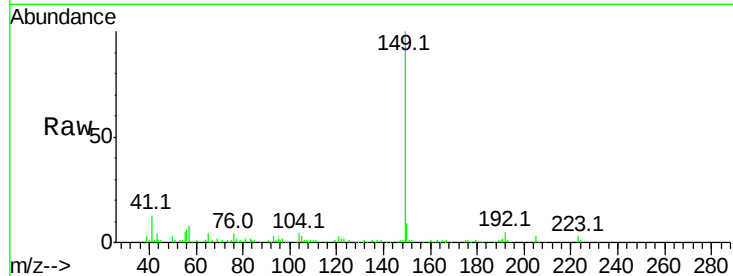
Tot Ion:149 Resp: 82610

Ion Ratio Lower Upper

149 100

150 9.5 7.7 11.5

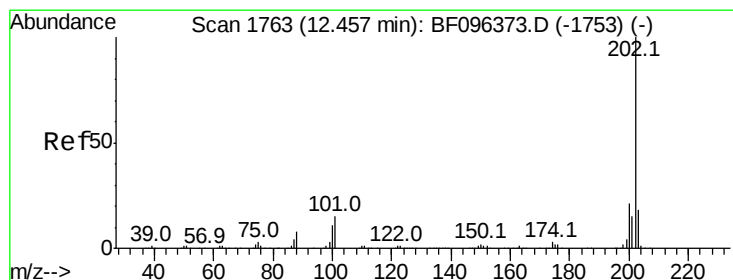
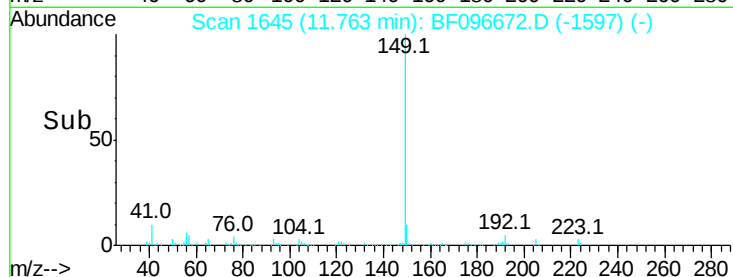
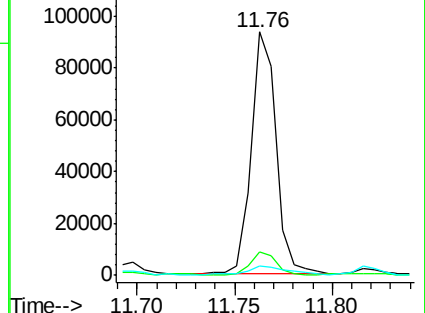
104 4.0 4.0 6.0



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: 26.848 ng

RT: 12.40 min Scan# 1754

Delta R.T. -0.02 min

Lab File: BF096672.D

Acq: 12 Jul 2017 5:09

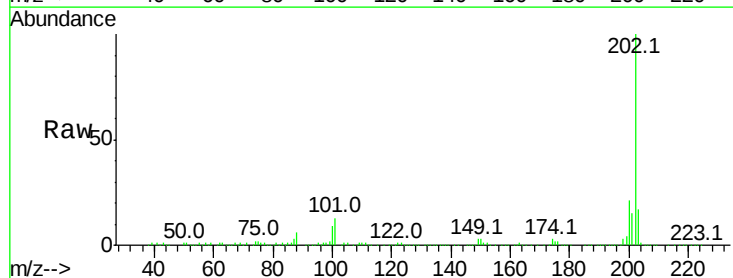
Tgt Ion:202 Resp: 304630

Ion Ratio Lower Upper

202 100

101 12.9 0.0 33.2

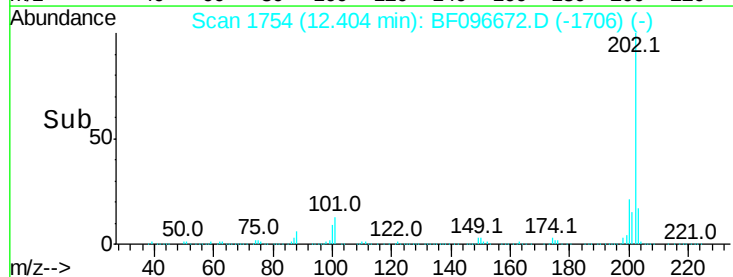
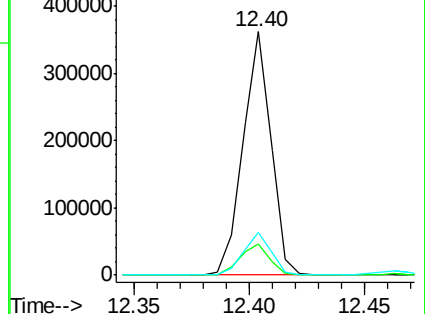
203 17.3 0.0 38.1

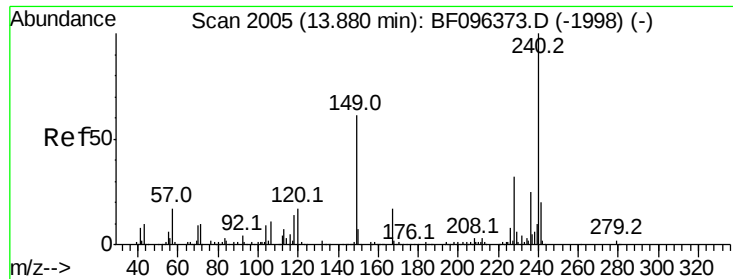


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF096672.D

Acq: 12 Jul 2017 5:09

Instrument :

BNA_F

ClientSampleId :

E2-HS1-WSW

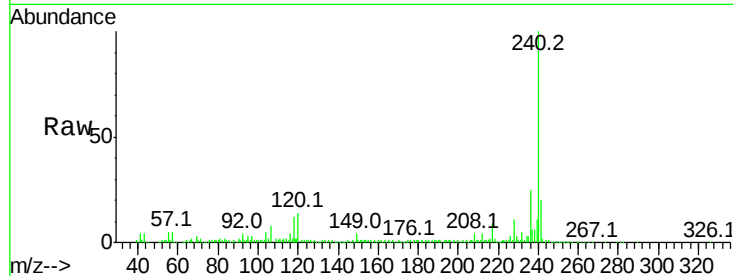
Tot Ion:240 Resp: 212938

Ion Ratio Lower Upper

240 100

120 13.9 5.8 8.8#

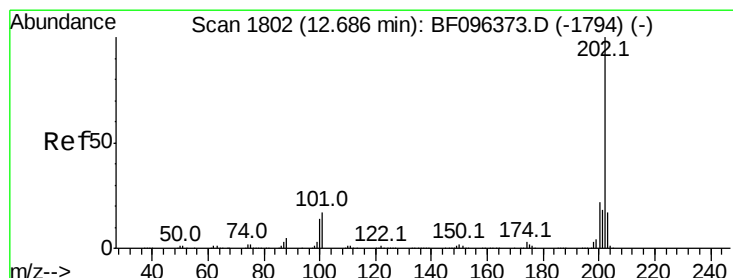
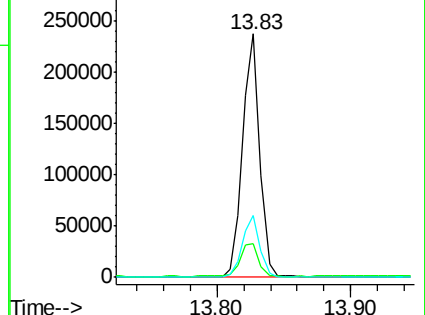
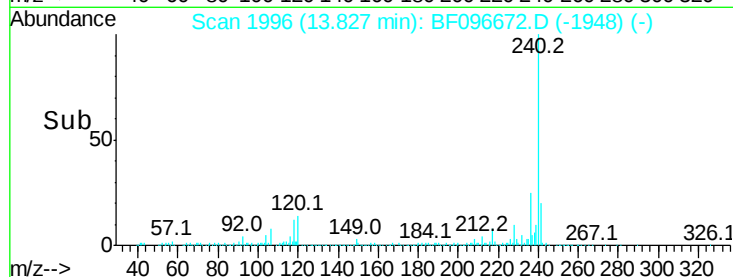
236 25.2 20.5 30.7



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: 16.842 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.02 min

Lab File: BF096672.D

Acq: 12 Jul 2017 5:09

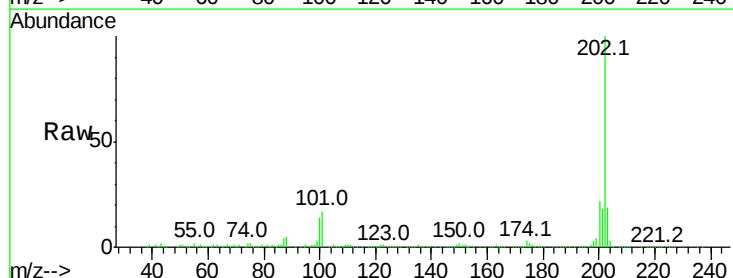
Tgt Ion:202 Resp: 287857

Ion Ratio Lower Upper

202 100

200 21.6 17.6 26.4

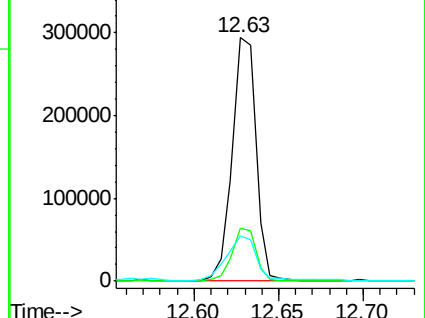
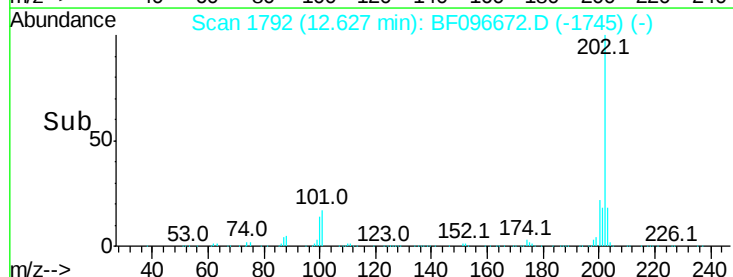
203 18.5 14.4 21.6

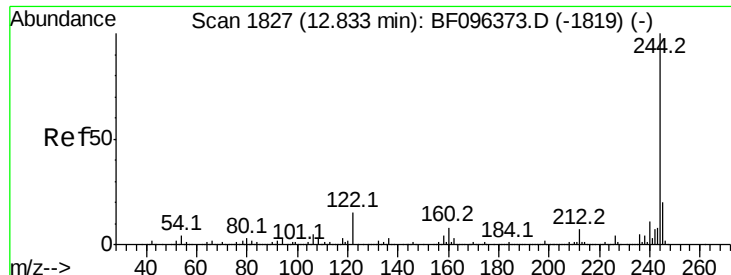


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 44.457 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.02 min

Lab File: BF096672.D

Acq: 12 Jul 2017 5:09

Instrument :

BNA_F

ClientSampleId :

E2-HS1-WSW

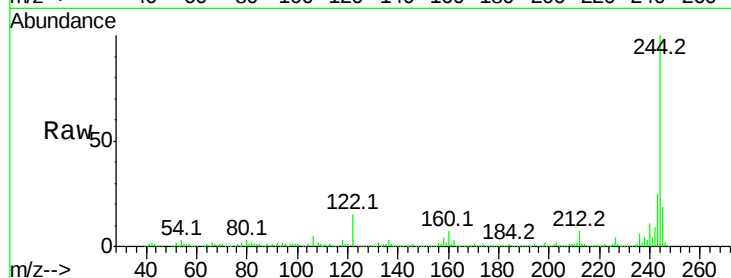
Tot Ion:244 Resp: 443022

Ion Ratio Lower Upper

244 100

212 6.6 6.0 9.0

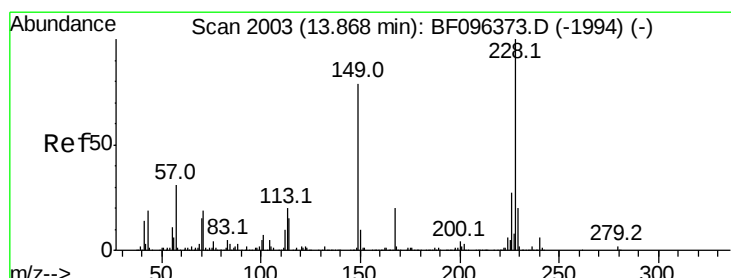
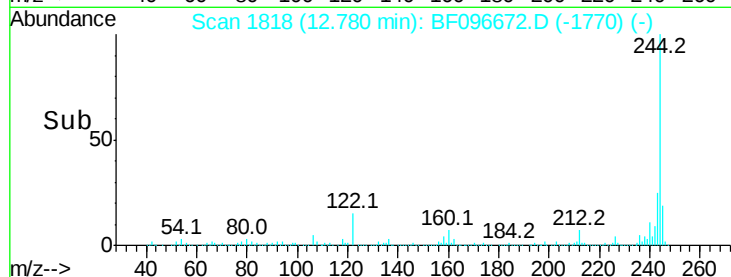
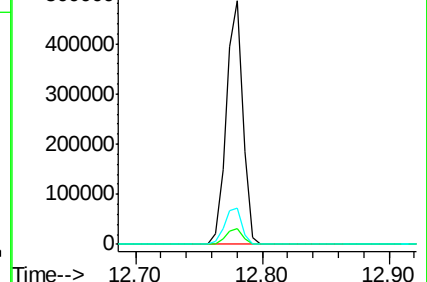
122 14.8 10.3 15.5



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: 12.309 ng

RT: 13.82 min Scan# 1994

Delta R.T. -0.02 min

Lab File: BF096672.D

Acq: 12 Jul 2017 5:09

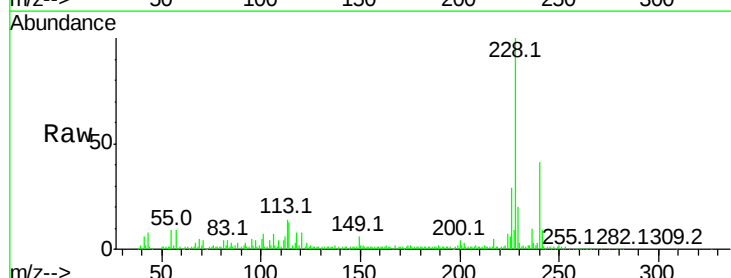
Tgt Ion:228 Resp: 151781

Ion Ratio Lower Upper

228 100

226 28.9 22.6 33.8

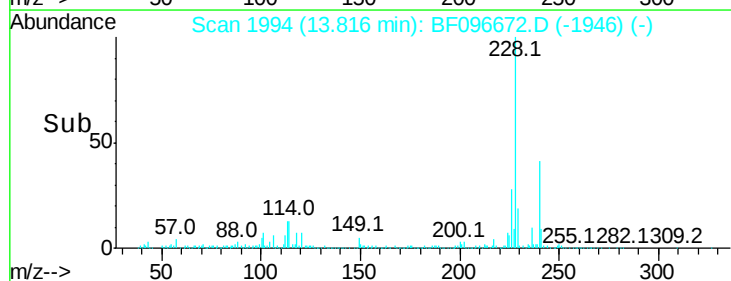
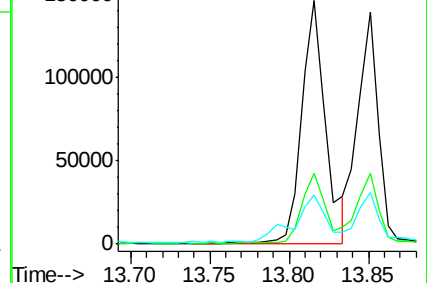
229 20.3 16.3 24.5

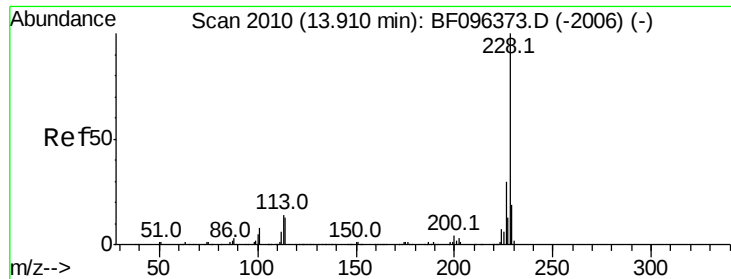


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 9.655 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.02 min

Lab File: BF096672.D

Acq: 12 Jul 2017 5:09

Instrument :

BNA_F

ClientSampleId :

E2-HS1-WSW

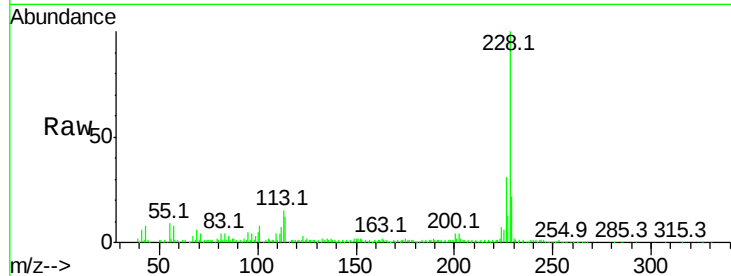
Tot Ion:228 Resp: 124680

Ion Ratio Lower Upper

228 100

226 30.7 24.9 37.3

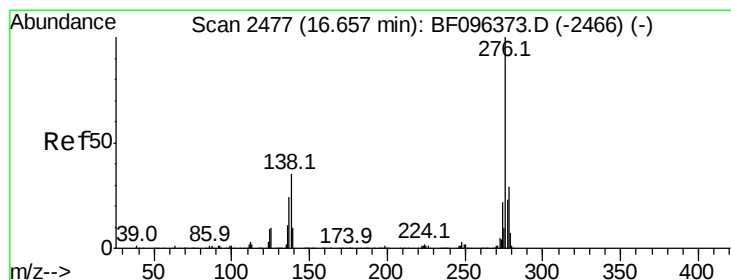
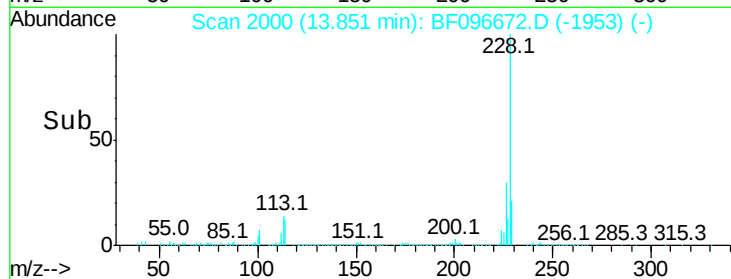
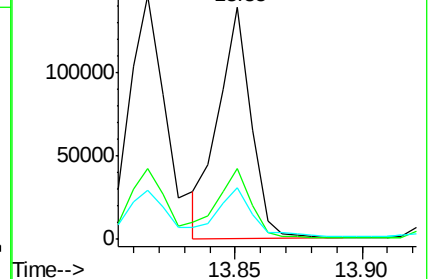
229 22.0 15.8 23.6



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: 4.346 ng

RT: 16.57 min Scan# 2462

Delta R.T. -0.04 min

Lab File: BF096672.D

Acq: 12 Jul 2017 5:09

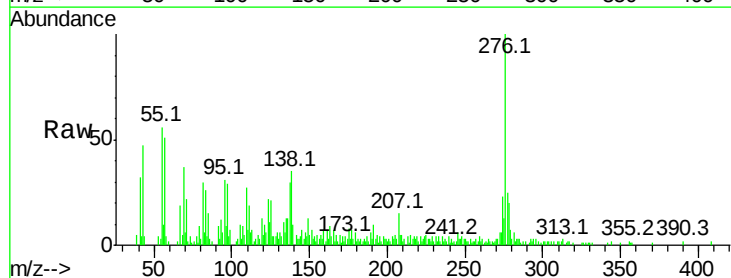
Tgt Ion:276 Resp: 44294

Ion Ratio Lower Upper

276 100

138 30.6 27.8 41.6

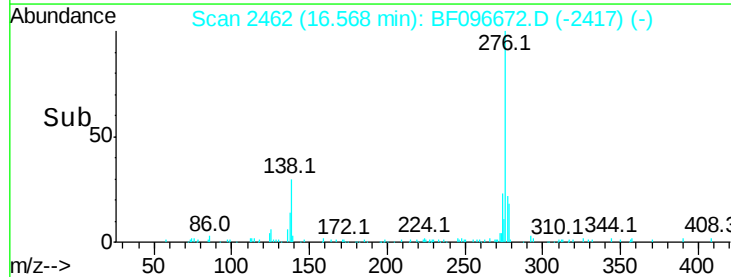
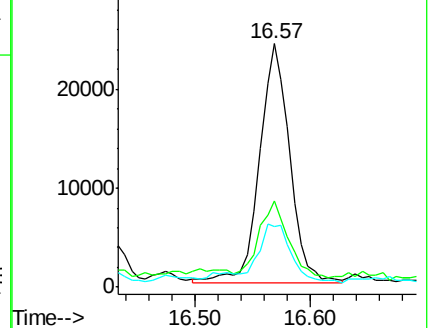
277 26.6 20.2 30.4

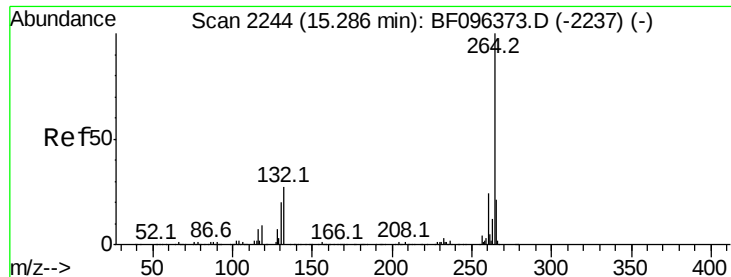


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

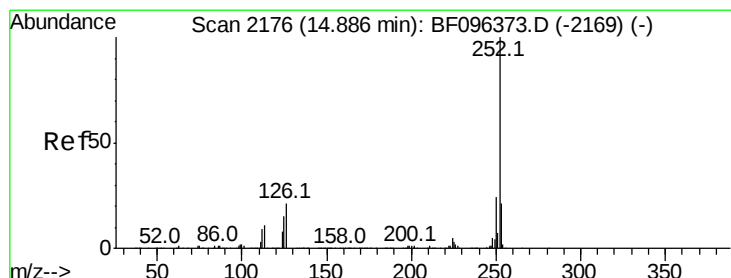
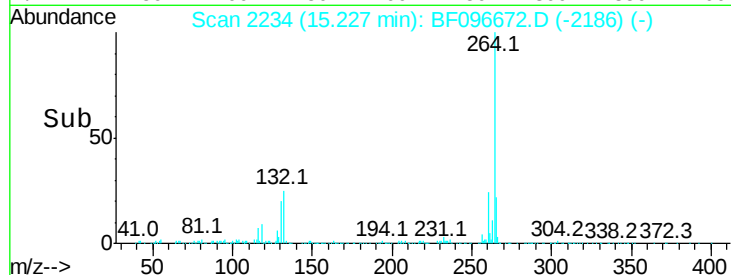
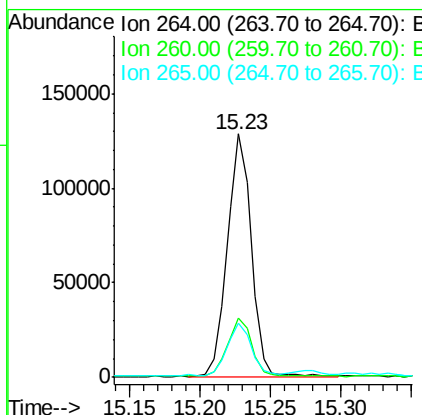
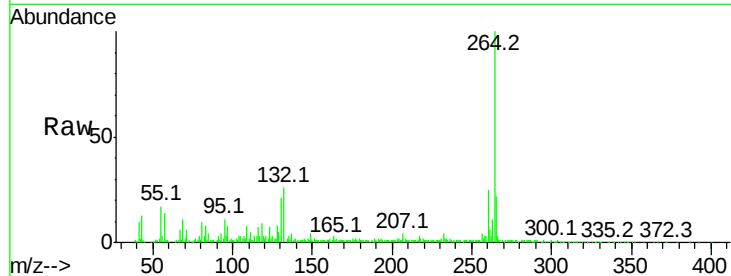




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2234
Delta R.T. -0.02 min
Lab File: BF096672.D
Acq: 12 Jul 2017 5:09

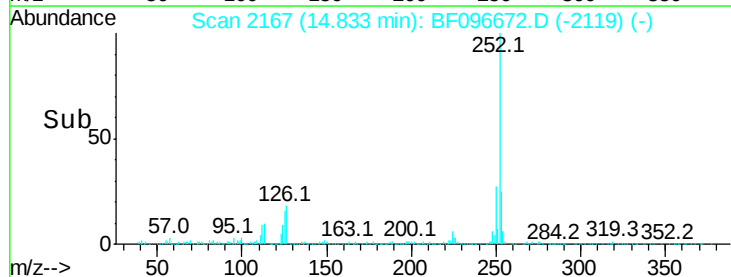
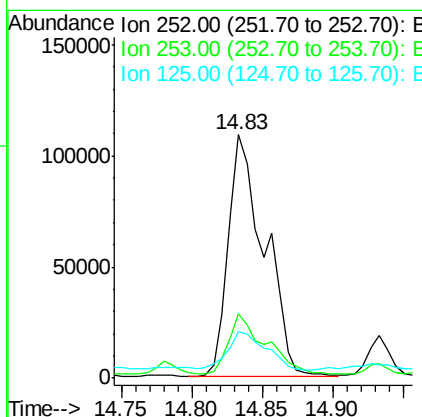
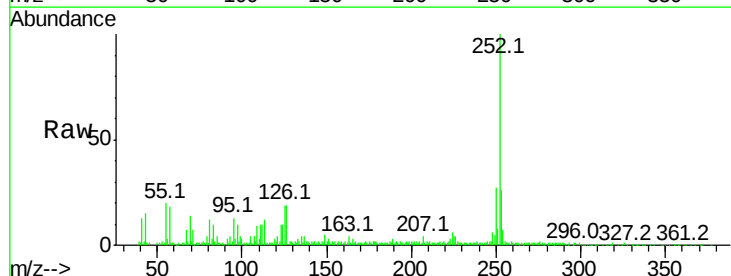
Instrument :
BNA_F
ClientSampleId :
E2-HS1-WSW

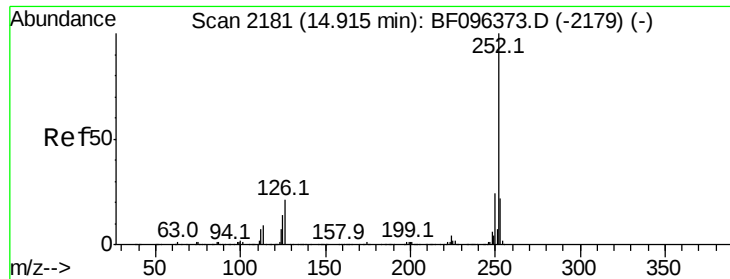
Tot Ion:264 Resp: 150841
Ion Ratio Lower Upper
264 100
260 24.6 19.5 29.3
265 22.2 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 20.653 ng
RT: 14.83 min Scan# 2167
Delta R.T. -0.02 min
Lab File: BF096672.D
Acq: 12 Jul 2017 5:09

Tgt Ion:252 Resp: 195206
Ion Ratio Lower Upper
252 100
253 26.2 18.1 27.1
125 19.3 9.8 14.8#

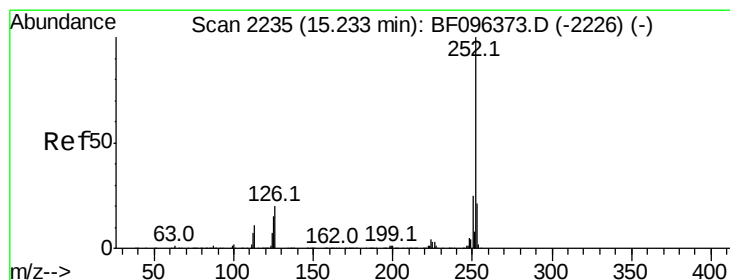
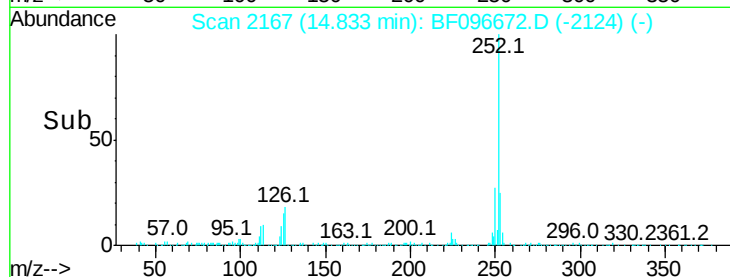
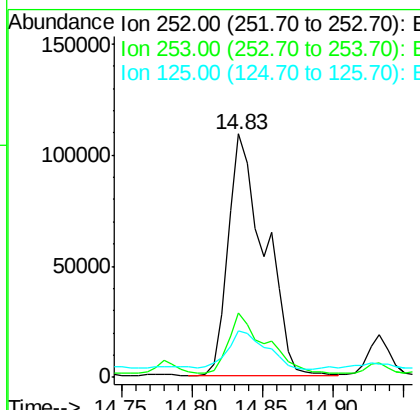
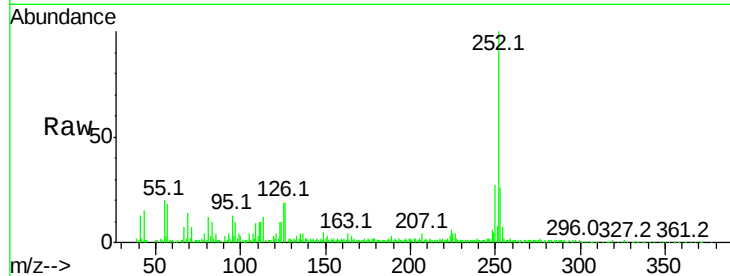




#88
Benzo(k)fluoranthene
Concen: 23.089 ng
RT: 14.83 min Scan# 2167
Delta R.T. -0.05 min
Lab File: BF096672.D
Acq: 12 Jul 2017 5:09

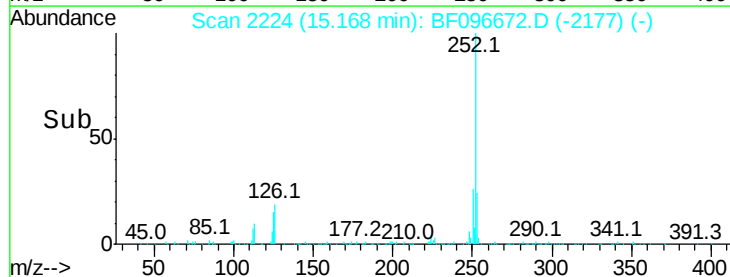
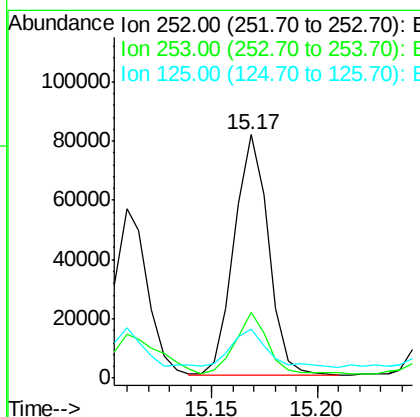
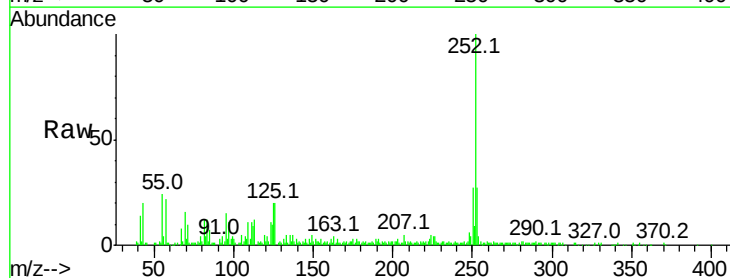
Instrument :
BNA_F
ClientSampleId :
E2-HS1-WSW

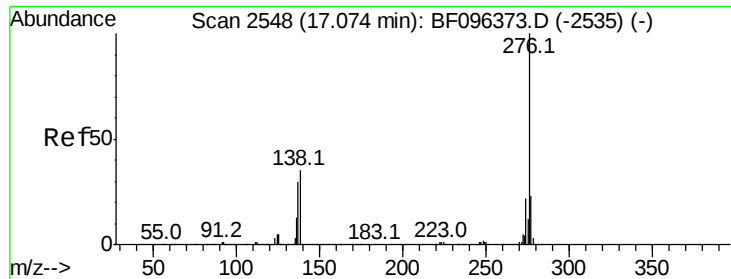
Tot Ion:	252	Resp:	195206
Ion	Ratio	Lower	Upper
252	100		
253	26.2	18.4	27.6
125	19.3	13.1	19.7



#89
Benzo(a)pyrene
Concen: 10.778 ng
RT: 15.17 min Scan# 2224
Delta R.T. -0.02 min
Lab File: BF096672.D
Acq: 12 Jul 2017 5:09

Tgt Ion:	252	Resp:	90948
Ion	Ratio	Lower	Upper
252	100		
253	26.8	17.5	26.3#
125	19.9	11.0	16.4#

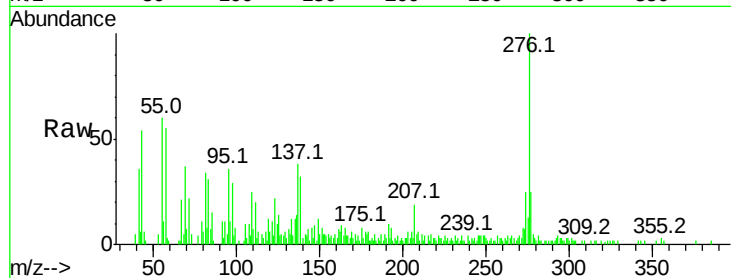




#91
 Benzo(a,h,i)perylene
 Concen: 5.816 ng
 RT: 16.97 min Scan# 2531
 Delta R.T. -0.03 min
 Lab File: BF096672.D
 Acq: 12 Jul 2017 5:09

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS1-WSW

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.4	18.6	28.0
138	31.7	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

