

Data Path : Z:\HPCHEM1\BNA F\DATA\BF071117\
 Data File : BF096678.D
 Acq On : 12 Jul 2017 7:55
 Operator : SJ/JU
 Sample : I4130-14
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS2-ESW

Quant Time: Jul 12 08:32:31 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	102813	20.00	ng	-0.01
21) Naphthalene-d8	7.97	136	390649	20.00	ng	-0.02
38) Acenaphthene-d10	9.72	164	134926	20.00	ng	-0.01
63) Phenanthrene-d10	11.20	188	201116	20.00	ng	-0.01
75) Chrysene-d12	13.83	240	198538	20.00	ng	-0.01
86) Perylene-d12	15.23	264	153904	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.30	112	615666	88.38	ng	-0.01
7) Phenol-d6	6.33	99	759621	88.70	ng	-0.02
23) Nitrobenzene-d5	7.25	82	360492	55.45	ng	-0.02
41) 2,4,6-Tribromophenol	10.50	330	98424	93.39	ng	-0.02
44) 2-Fluorobiphenyl	9.05	172	560438	71.02	ng	-0.02
78) Terphenyl-d14	12.78	244	397064	42.74	ng	-0.02

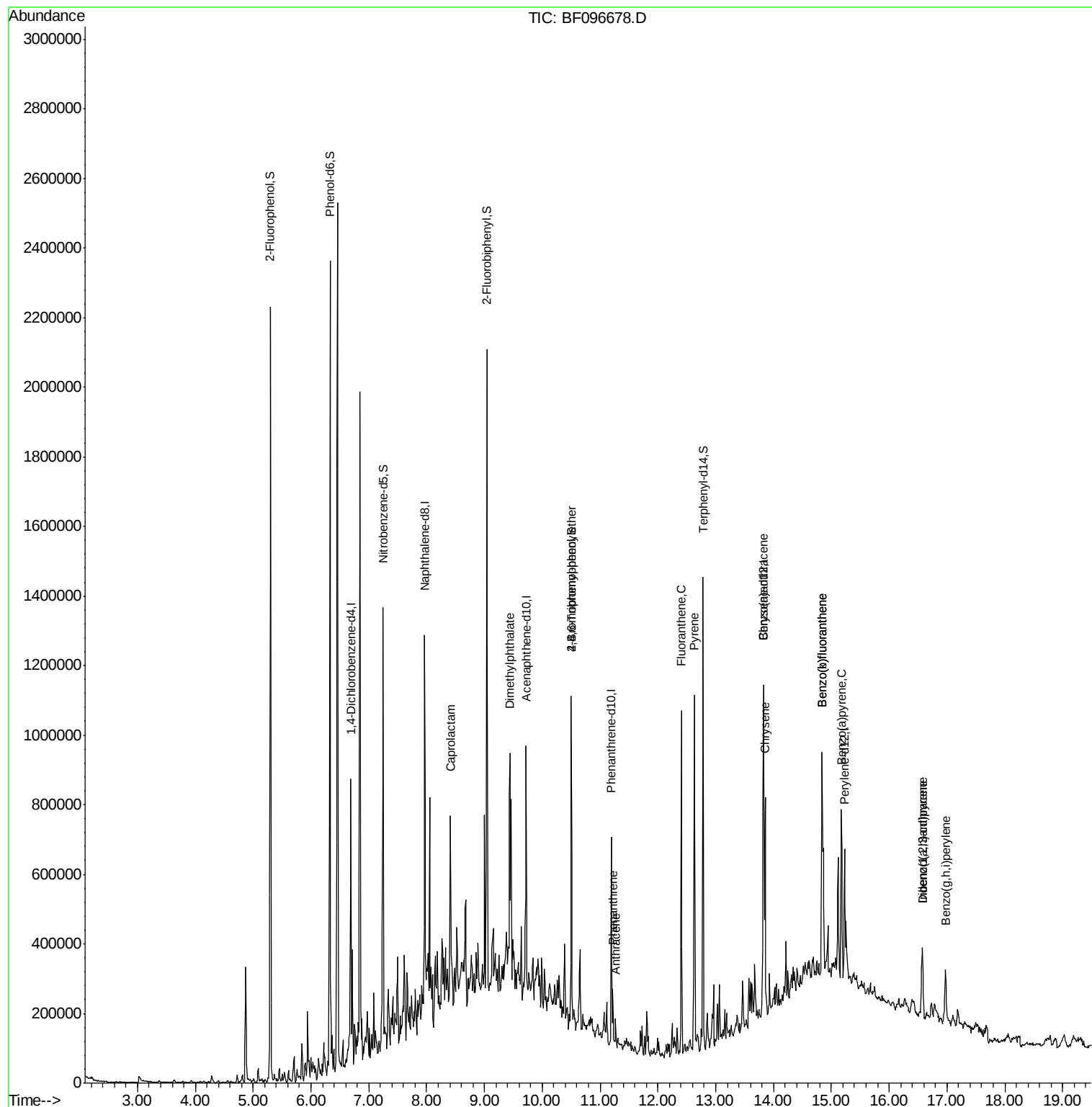
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
35) Caprolactam	8.41	113	9608	5.254	ng	# 1
49) Dimethylphthalate	9.44	163	198401	19.698	ng	# 99
66) 4-Bromophenyl-phenylether	10.50	248	5926	3.027	ng	# 1
70) Phenanthrene	11.22	178	52795	4.856	ng	98
71) Anthracene	11.27	178	26451	2.388	ng	99
74) Fluoranthene	12.41	202	413518	38.794	ng	98
77) Pyrene	12.63	202	414770	26.027	ng	99
80) Benzo(a)anthracene	13.82	228	277067	24.099	ng	97
82) Chrysene	13.86	228	228716	18.997	ng	97
85) Indeno(1,2,3-cd)pyrene	16.57	276	113500	11.943	ng	99
87) Benzo(b)fluoranthene	14.84	252	432777	44.877	ng	# 96
88) Benzo(k)fluoranthene	14.84	252	432777	50.169	ng	99
89) Benzo(a)pyrene	15.17	252	214200	24.879	ng	97
90) Dibenzo(a,h)anthracene	16.57	278	30752	4.540	ng	# 75
91) Benzo(a,h,i)perylene	16.97	276	102030	14.537	ng	99

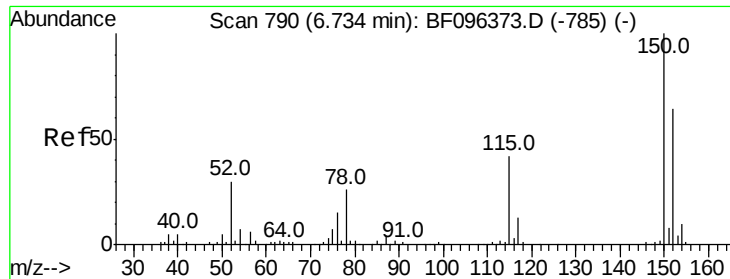
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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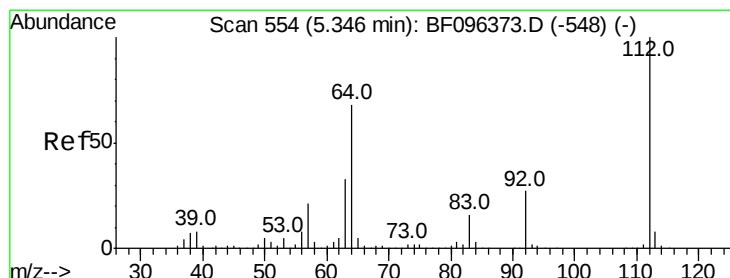
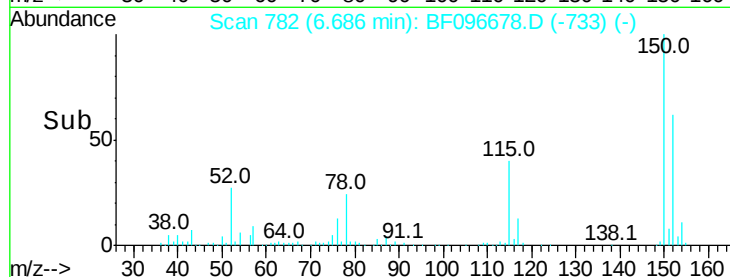
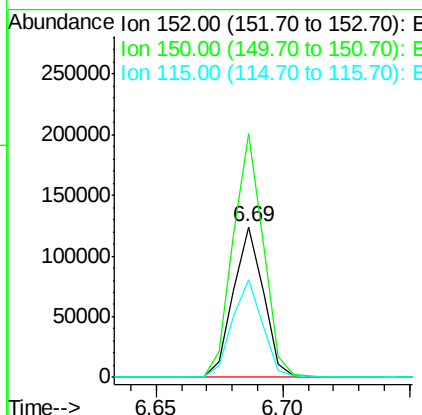
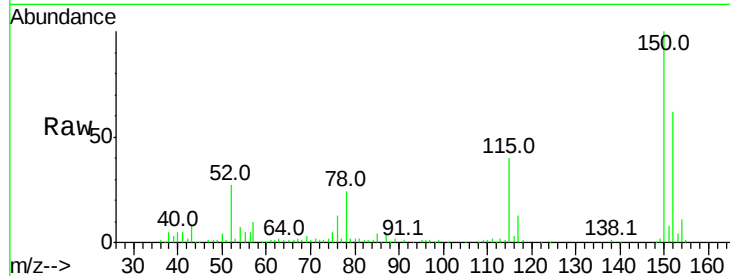


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 782
Delta R.T. -0.01 min
Lab File: BF096678.D
Acq: 12 Jul 2017 7:55

Instrument :
BNA_F
ClientSampleId :
E2-HS2-ESW

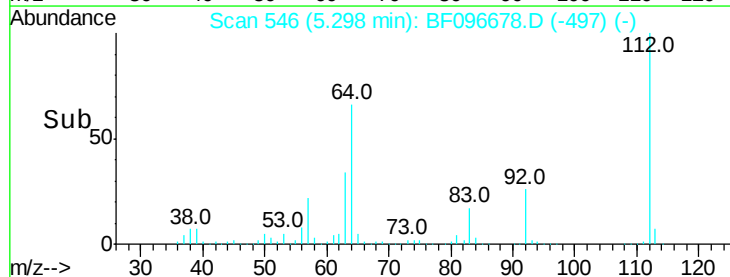
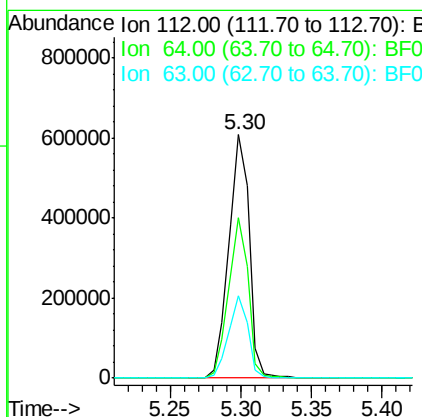
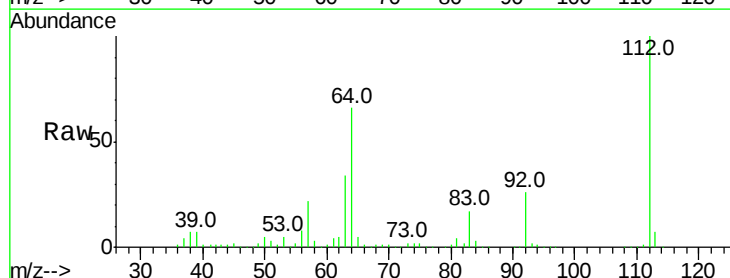
Tot Ion:152 Resp: 102813
Ion Ratio Lower Upper
152 100
150 161.8 126.2 189.2
115 64.8 52.2 78.2

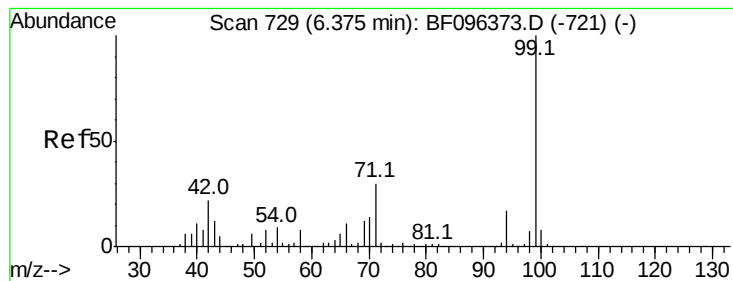


#5

2-Fluorophenol
Concen: 88.384 ng
RT: 5.30 min Scan# 546
Delta R.T. -0.01 min
Lab File: BF096678.D
Acq: 12 Jul 2017 7:55

Tgt Ion:112 Resp: 615666
Ion Ratio Lower Upper
112 100
64 66.0 46.0 69.0
63 33.6 23.4 35.0





#7

Phenol-d6

Concen: 88.704 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.02 min

Lab File: BF096678.D

Acq: 12 Jul 2017 7:55

Instrument :

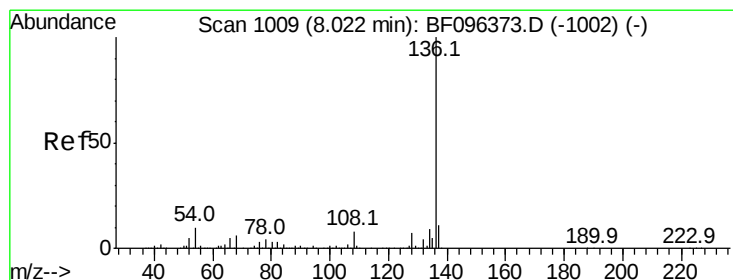
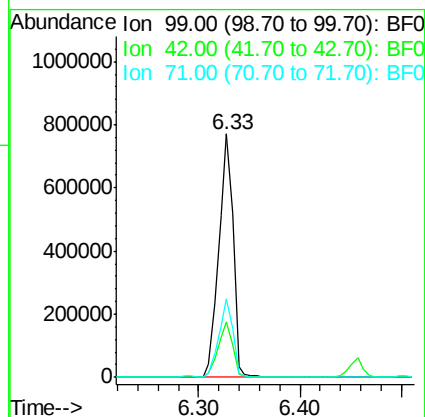
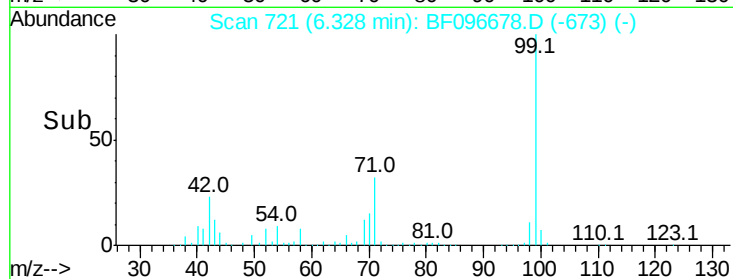
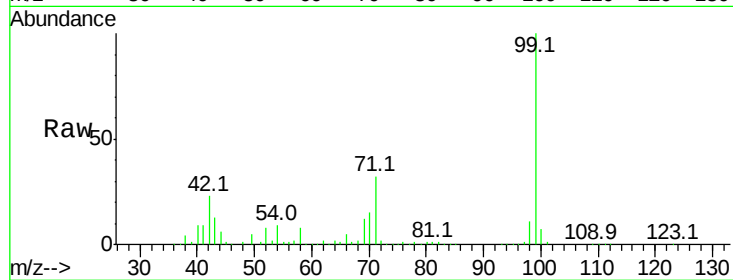
BNA_F

ClientSampleId :

E2-HS2-ESW

Tot Ion: 99 Resp: 759621

Ion	Ratio	Lower	Upper
99	100		
42	23.0	13.5	20.3#
71	32.3	24.5	36.7



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1000

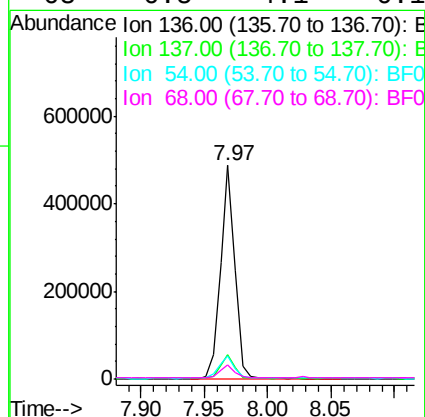
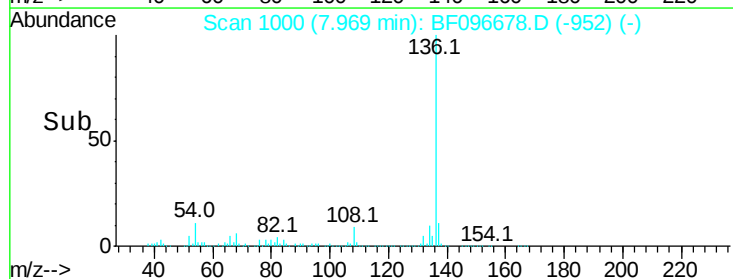
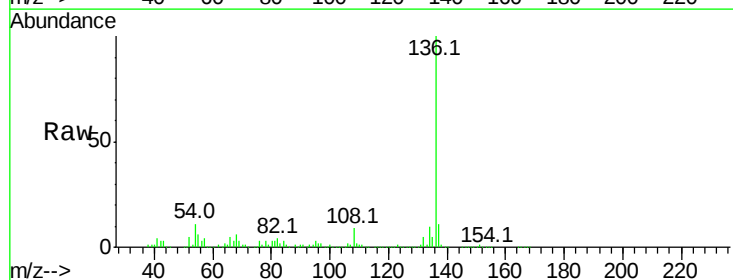
Delta R.T. -0.02 min

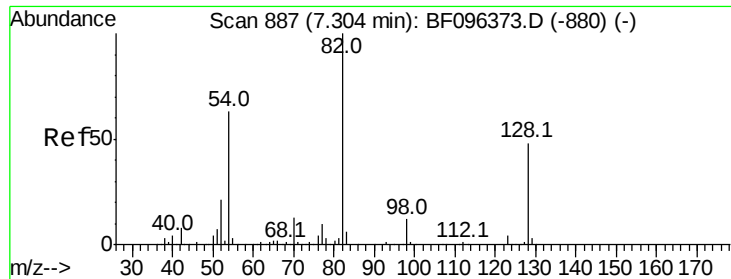
Lab File: BF096678.D

Acq: 12 Jul 2017 7:55

Tgt Ion: 136 Resp: 390649

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.5	12.7
54	11.0	4.9	7.3#
68	6.5	4.1	6.1#

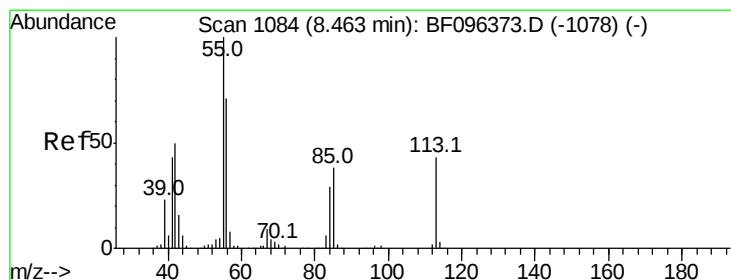
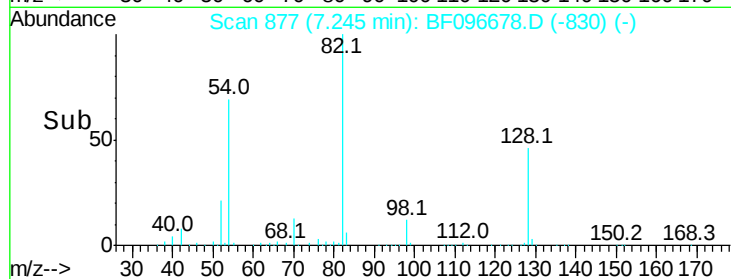
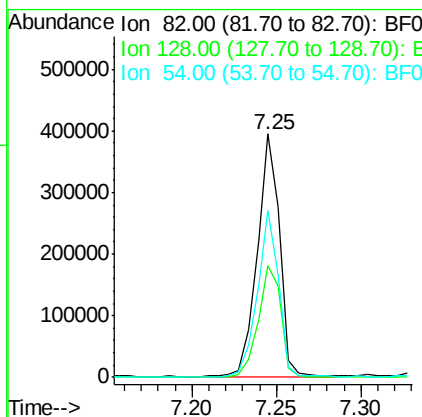
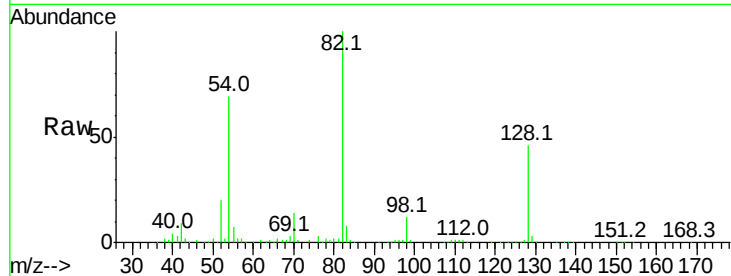




#23
Nitrobenzene-d5
Concen: 55.452 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.02 min
Lab File: BF096678.D
Acq: 12 Jul 2017 7:55

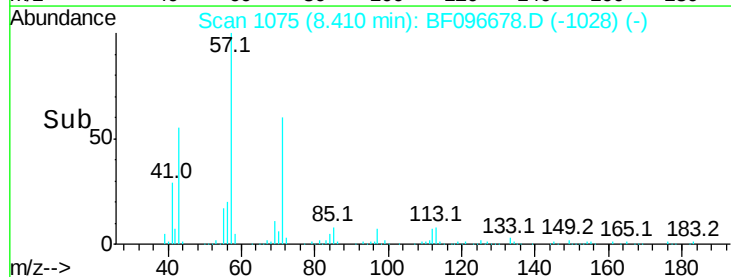
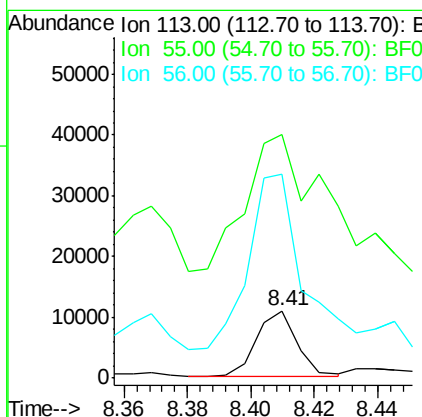
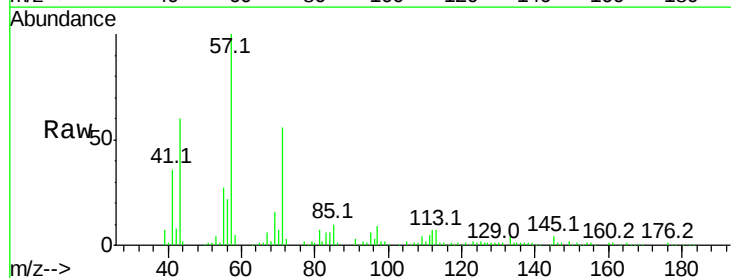
Instrument :
BNA_F
ClientSampleId :
E2-HS2-ESW

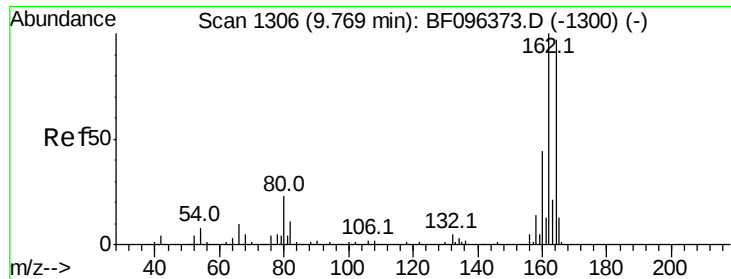
Tot Ion: 82 Resp: 360492
Ion Ratio Lower Upper
82 100
128 45.7 34.0 51.0
54 68.6 42.2 63.2#



#35
Caprolactam
Concen: 5.254 ng
RT: 8.41 min Scan# 1075
Delta R.T. -0.02 min
Lab File: BF096678.D
Acq: 12 Jul 2017 7:55

Tgt Ion: 113 Resp: 9608
Ion Ratio Lower Upper
113 100
55 361.0 150.2 190.2#
56 301.5 107.8 147.8#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.72 min Scan# 1298

Delta R.T. -0.01 min

Lab File: BF096678.D

Acq: 12 Jul 2017 7:55

Instrument :

BNA_F

ClientSampleId :

E2-HS2-ESW

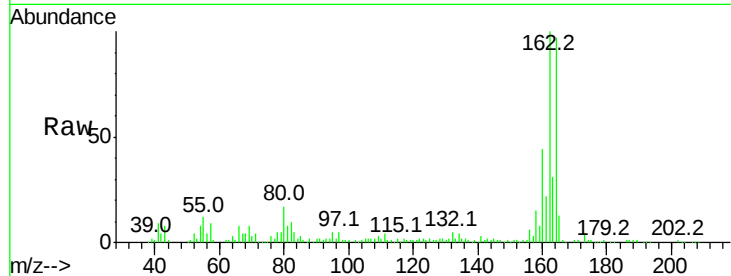
Tot Ion:164 Resp: 134926

Ion Ratio Lower Upper

164 100

162 103.6 82.6 123.8

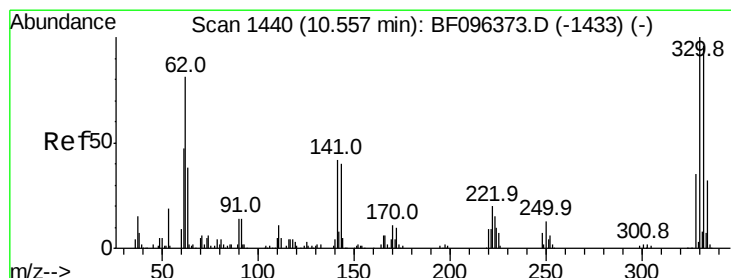
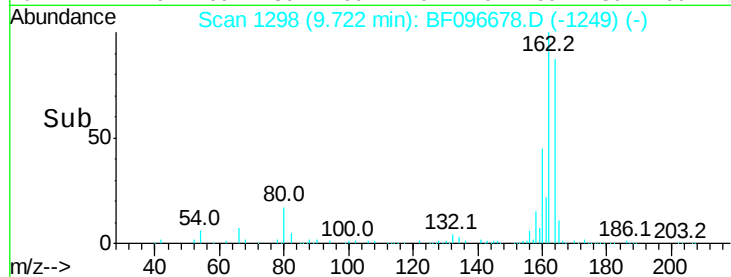
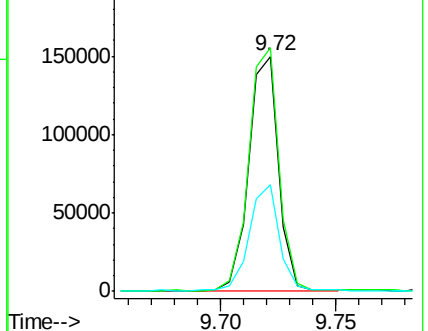
160 45.6 36.2 54.2



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: 93.387 ng

RT: 10.50 min Scan# 1431

Delta R.T. -0.02 min

Lab File: BF096678.D

Acq: 12 Jul 2017 7:55

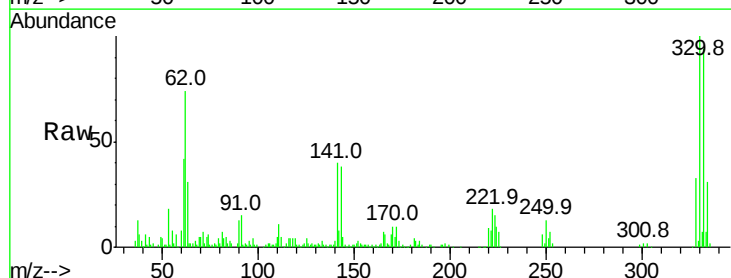
Tgt Ion:330 Resp: 98424

Ion Ratio Lower Upper

330 100

332 93.6 76.6 115.0

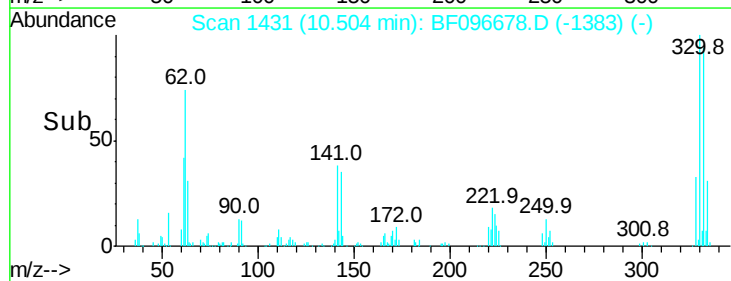
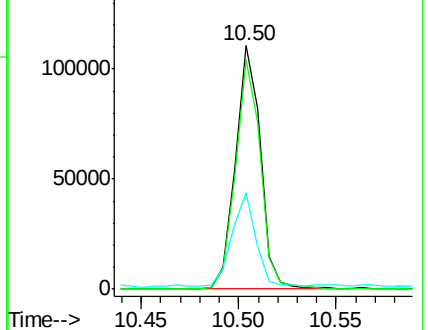
141 37.8 31.4 47.2

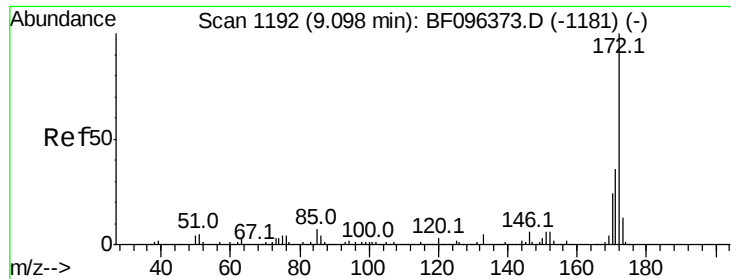


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

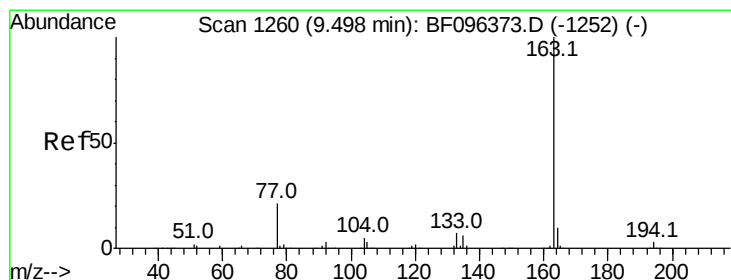
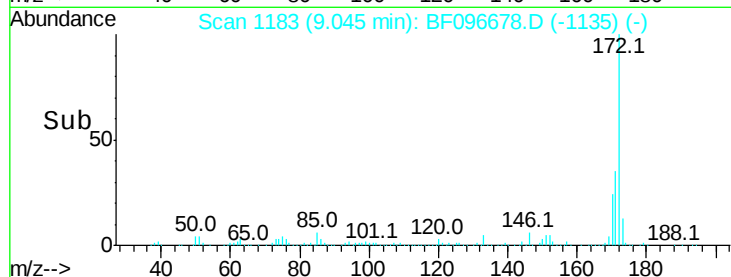
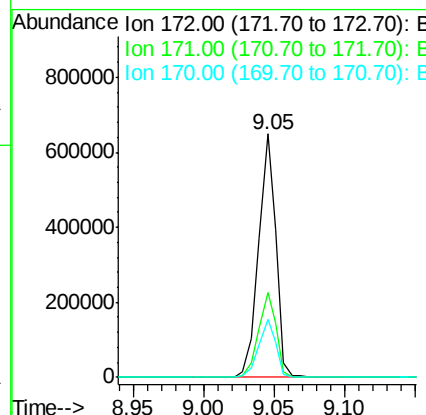
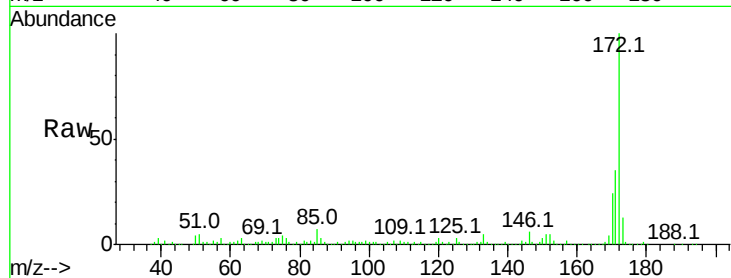




#44
2-Fluorobiphenyl
Concen: 71.018 ng
RT: 9.05 min Scan# 1183
Delta R.T. -0.02 min
Lab File: BF096678.D
Acq: 12 Jul 2017 7:55

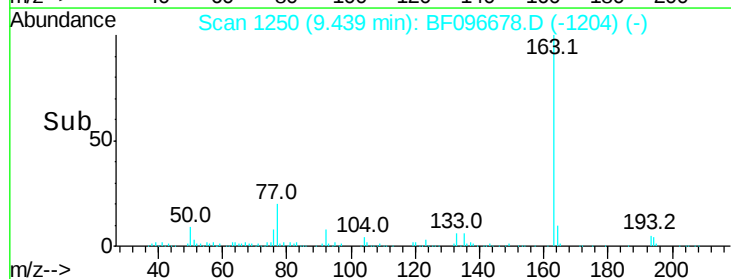
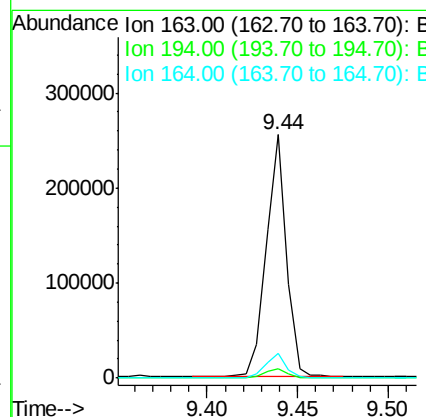
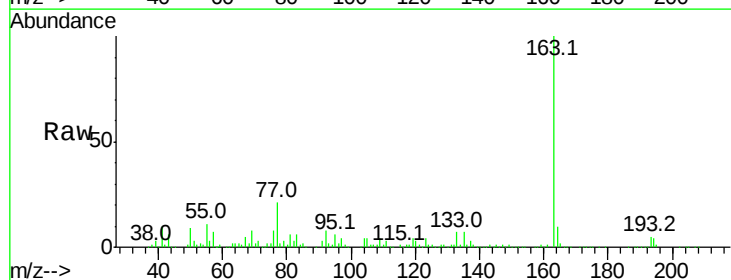
Instrument :
BNA_F
ClientSampleId :
E2-HS2-ESW

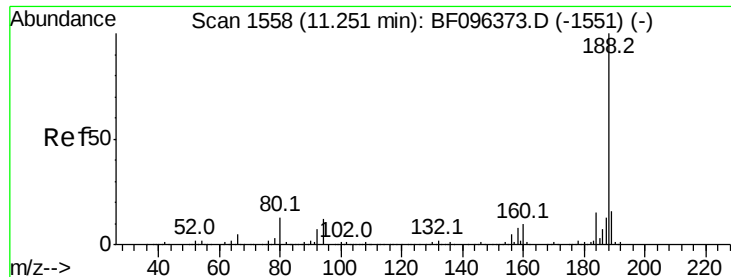
Tot Ion:172 Resp: 560438
Ion Ratio Lower Upper
172 100
171 35.1 29.6 44.4
170 23.8 19.8 29.8



#49
Dimethylphthalate
Concen: 19.698 ng
RT: 9.44 min Scan# 1250
Delta R.T. -0.03 min
Lab File: BF096678.D
Acq: 12 Jul 2017 7:55

Tgt Ion:163 Resp: 198401
Ion Ratio Lower Upper
163 100
194 4.1 2.6 4.0#
164 10.1 8.4 12.6





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.20 min Scan# 1549

Delta R.T. -0.01 min

Lab File: BF096678.D

Acq: 12 Jul 2017 7:55

Instrument :

BNA_F

ClientSampleId :

E2-HS2-ESW

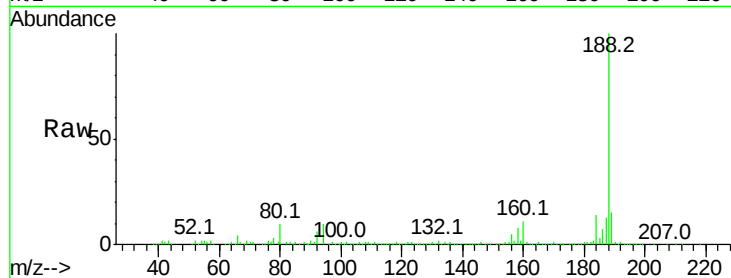
Tot Ion:188 Resp: 201116

Ion Ratio Lower Upper

188 100

94 10.4 9.4 14.2

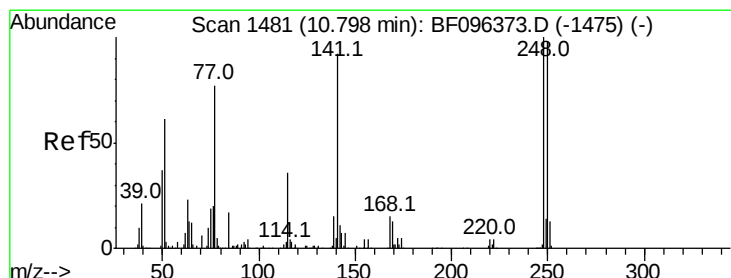
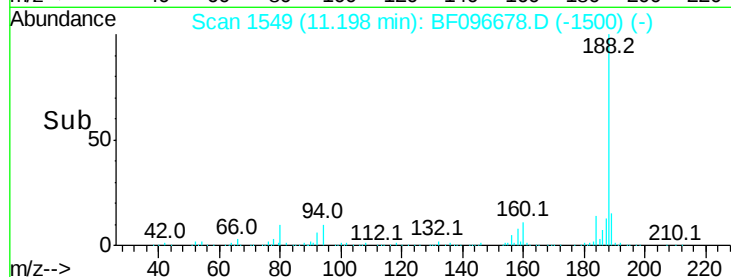
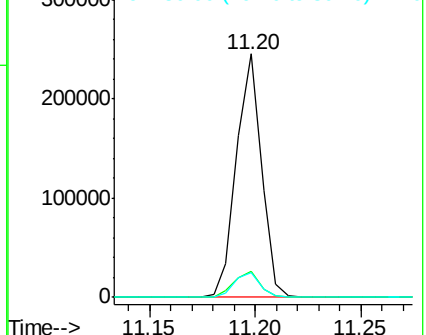
80 10.3 10.2 15.2



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: 3.027 ng

RT: 10.50 min Scan# 1431

Delta R.T. -0.26 min

Lab File: BF096678.D

Acq: 12 Jul 2017 7:55

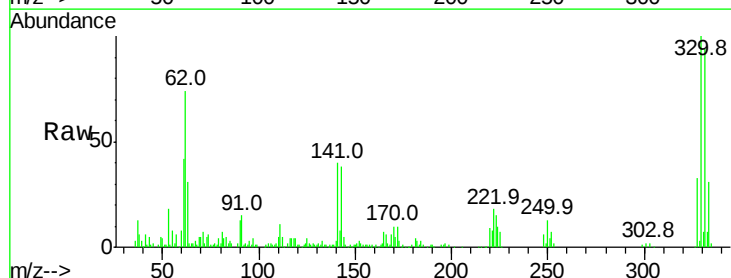
Tgt Ion:248 Resp: 5926

Ion Ratio Lower Upper

248 100

250 222.0 76.8 115.2#

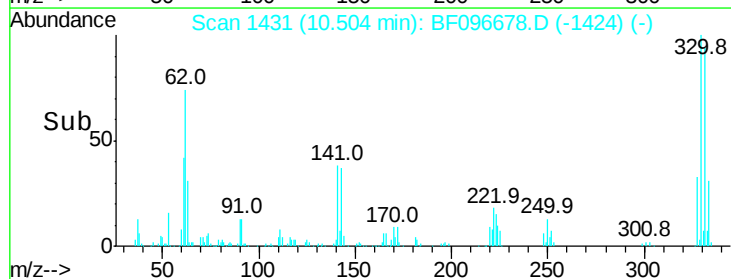
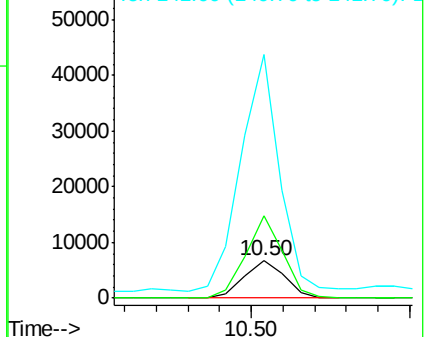
141 656.4 68.6 103.0#

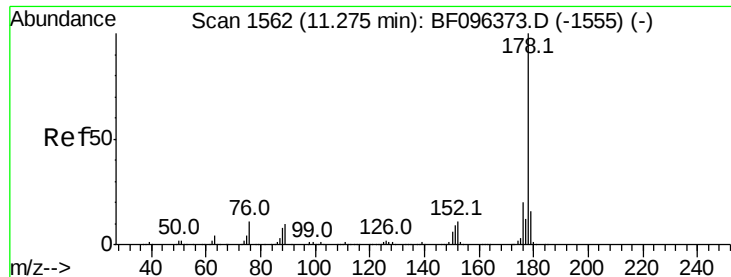


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

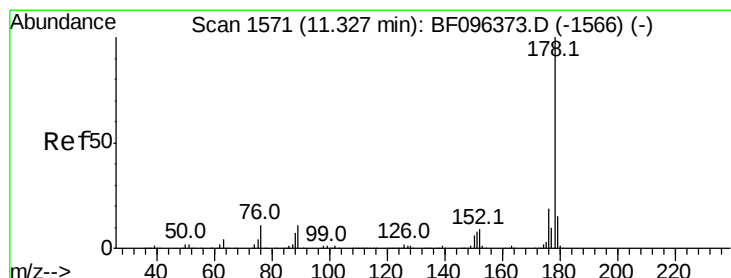
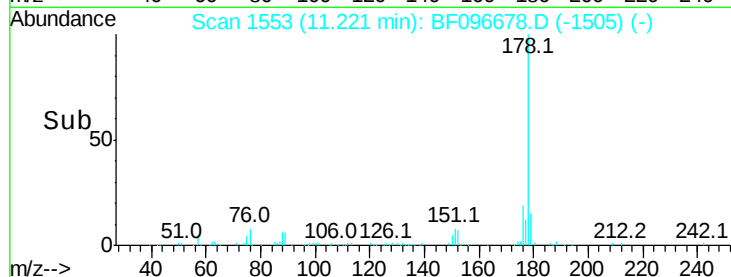
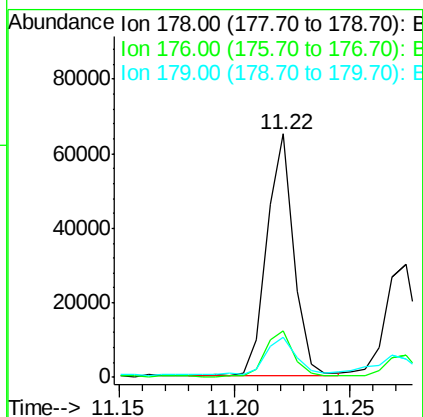
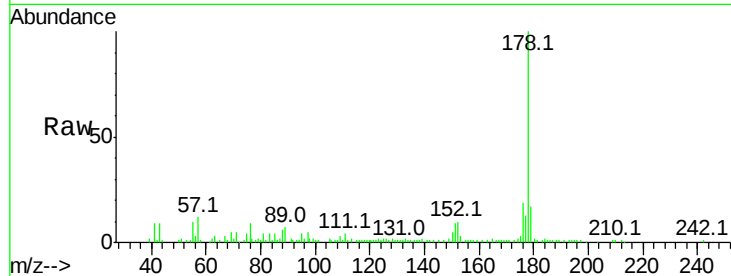




#70
Phenanthrene
Concen: 4.856 ng
RT: 11.22 min Scan# 1553
Delta R.T. -0.02 min
Lab File: BF096678.D
Acq: 12 Jul 2017 7:55

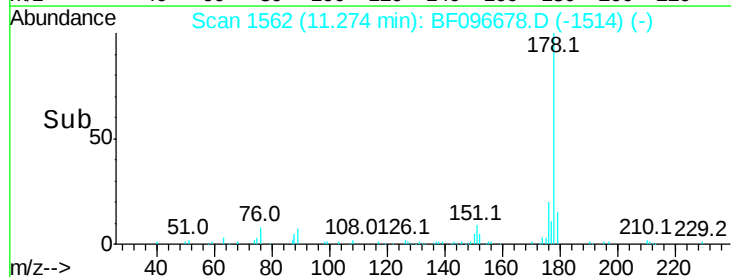
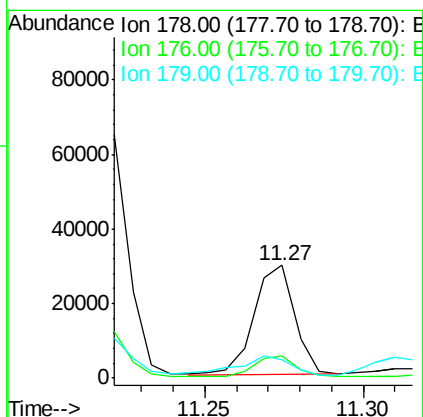
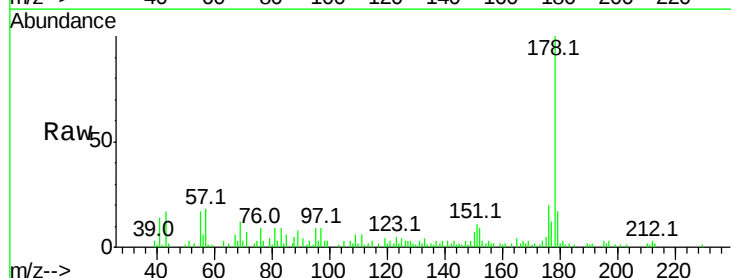
Instrument :
BNA_F
ClientSampleId :
E2-HS2-ESW

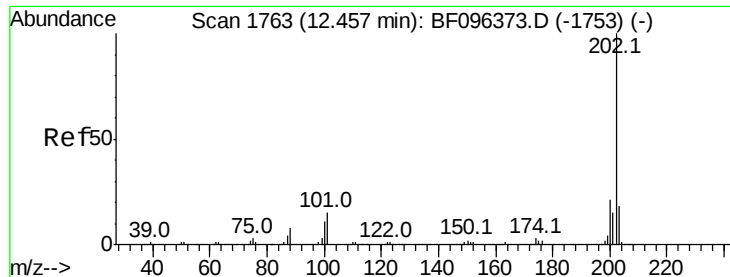
Tot Ion:178 Resp: 52795
Ion Ratio Lower Upper
178 100
176 19.3 16.2 24.4
179 16.7 12.6 19.0



#71
Anthracene
Concen: 2.388 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.02 min
Lab File: BF096678.D
Acq: 12 Jul 2017 7:55

Tgt Ion:178 Resp: 26451
Ion Ratio Lower Upper
178 100
176 19.9 15.8 23.8
179 16.6 12.7 19.1





#74

Fluoranthene

Concen: 38.794 ng

RT: 12.41 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BF096678.D

Acq: 12 Jul 2017 7:55

Instrument :

BNA_F

ClientSampleId :

E2-HS2-ESW

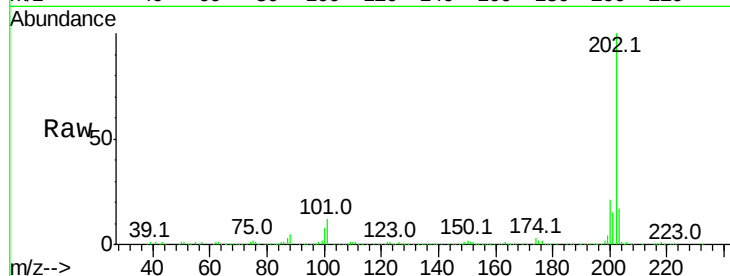
Tot Ion:202 Resp: 413518

Ion Ratio Lower Upper

202 100

101 11.9 0.0 33.2

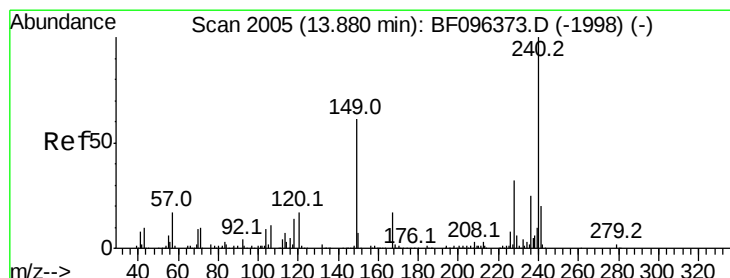
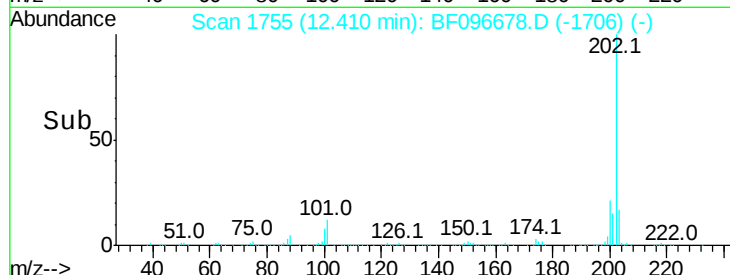
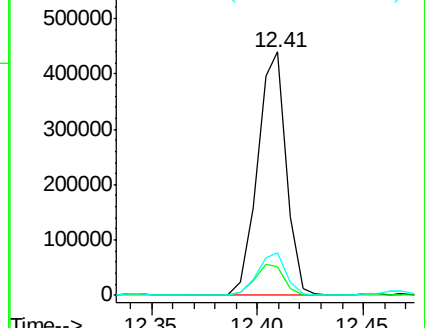
203 17.5 0.0 38.1



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# 1997

Delta R.T. -0.01 min

Lab File: BF096678.D

Acq: 12 Jul 2017 7:55

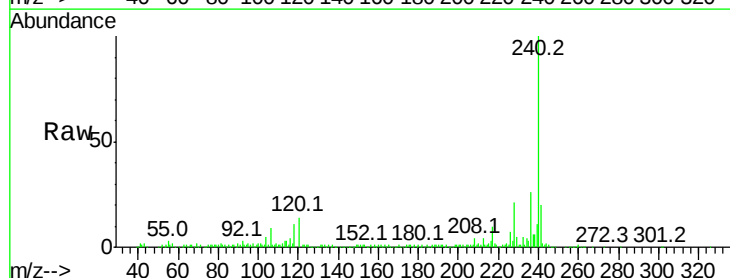
Tgt Ion:240 Resp: 198538

Ion Ratio Lower Upper

240 100

120 13.7 5.8 8.8#

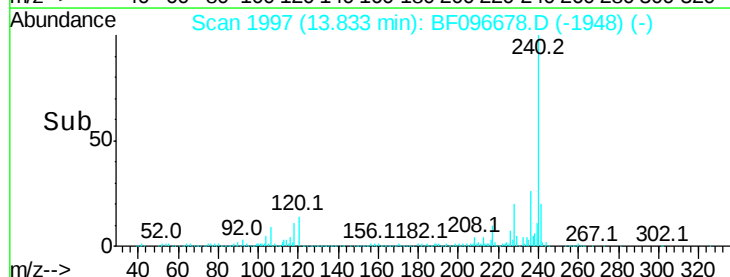
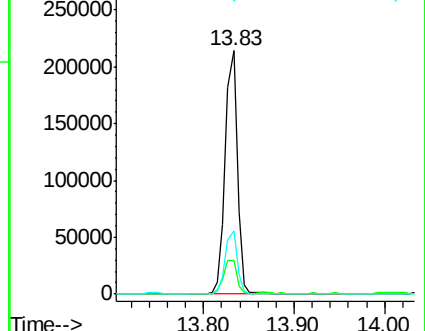
236 26.1 20.5 30.7

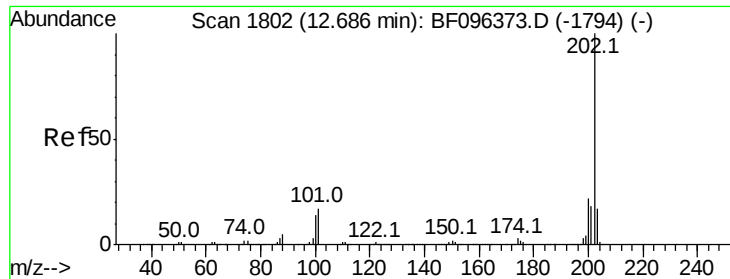


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 26.027 ng

RT: 12.63 min Scan# 1793

Delta R.T. -0.02 min

Lab File: BF096678.D

Acq: 12 Jul 2017 7:55

Instrument :

BNA_F

ClientSampleId :

E2-HS2-ESW

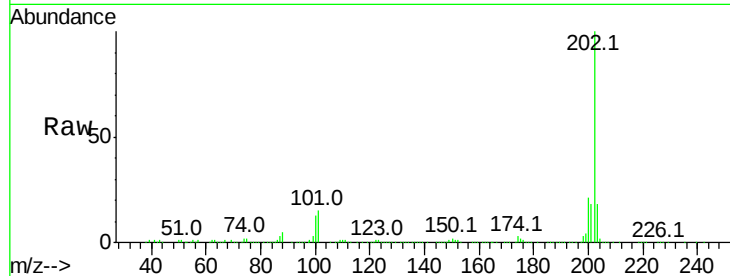
Tot Ion:202 Resp: 414770

Ion Ratio Lower Upper

202 100

200 21.3 17.6 26.4

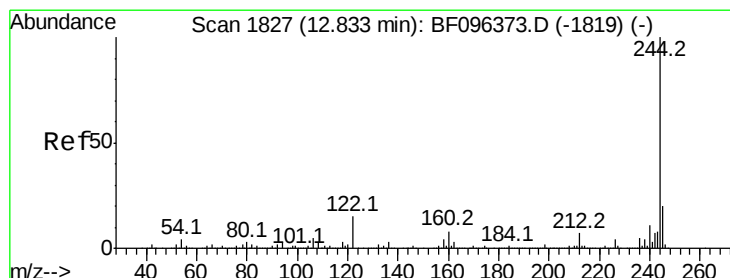
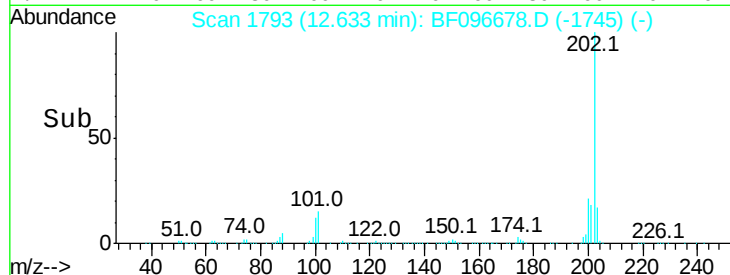
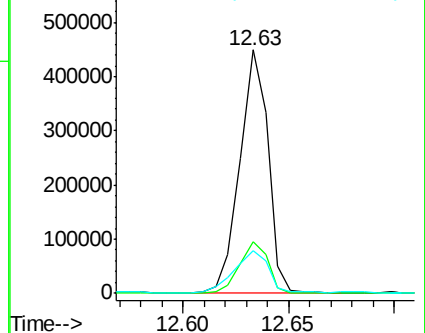
203 17.7 14.4 21.6



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: 42.735 ng

RT: 12.78 min Scan# 1818

Delta R.T. -0.02 min

Lab File: BF096678.D

Acq: 12 Jul 2017 7:55

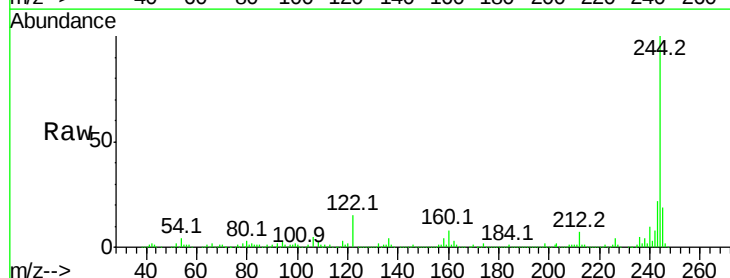
Tgt Ion:244 Resp: 397064

Ion Ratio Lower Upper

244 100

212 6.9 6.0 9.0

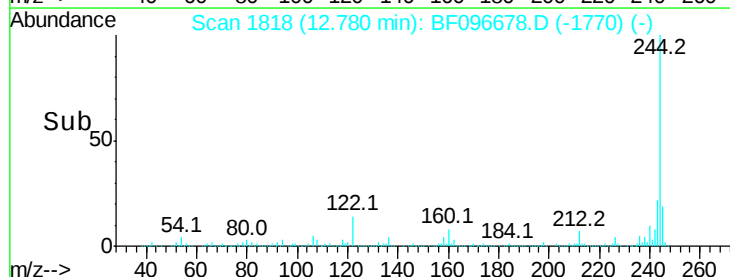
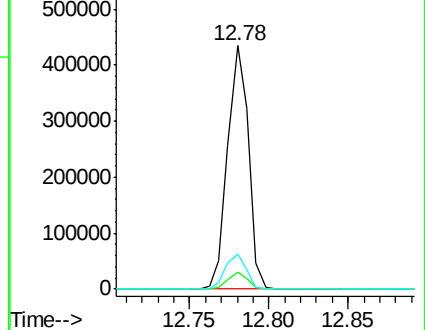
122 14.6 10.3 15.5

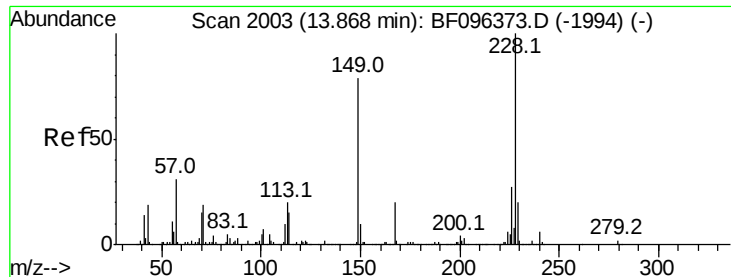


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 24.099 ng

RT: 13.82 min Scan# 1995

Delta R.T. -0.01 min

Lab File: BF096678.D

Acq: 12 Jul 2017 7:55

Instrument :

BNA_F

ClientSampleId :

E2-HS2-ESW

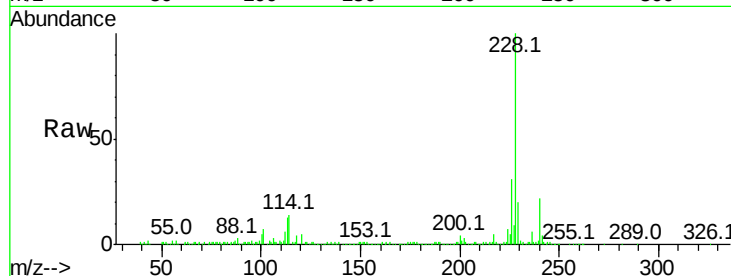
Tot Ion:228 Resp: 277067

Ion Ratio Lower Upper

228 100

226 30.6 22.6 33.8

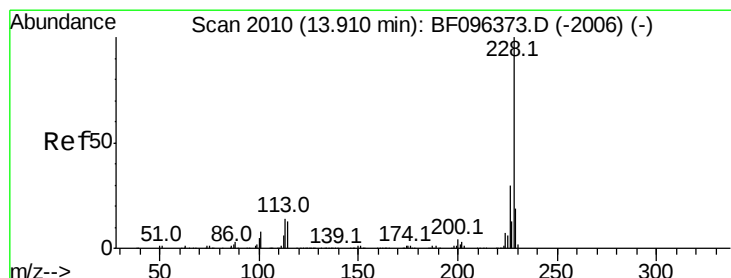
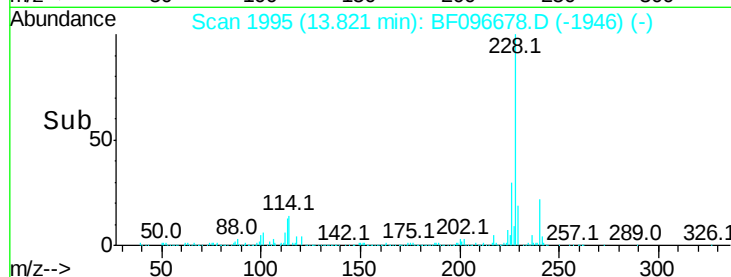
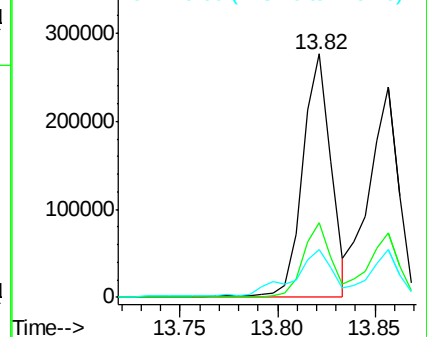
229 19.8 16.3 24.5



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: 18.997 ng

RT: 13.86 min Scan# 2001

Delta R.T. -0.02 min

Lab File: BF096678.D

Acq: 12 Jul 2017 7:55

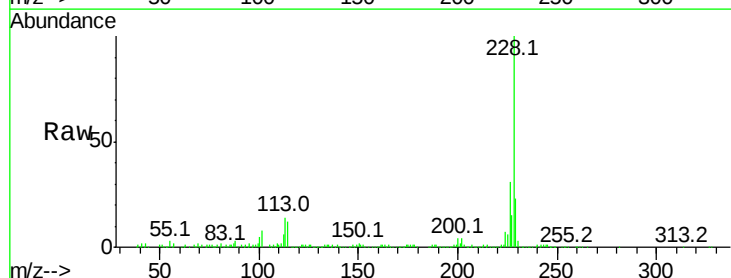
Tgt Ion:228 Resp: 228716

Ion Ratio Lower Upper

228 100

226 30.7 24.9 37.3

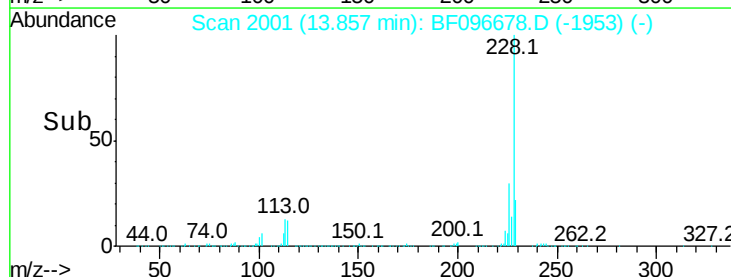
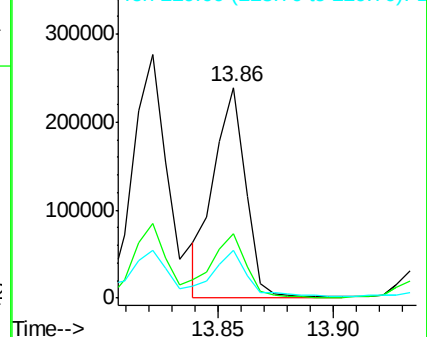
229 22.8 15.8 23.6

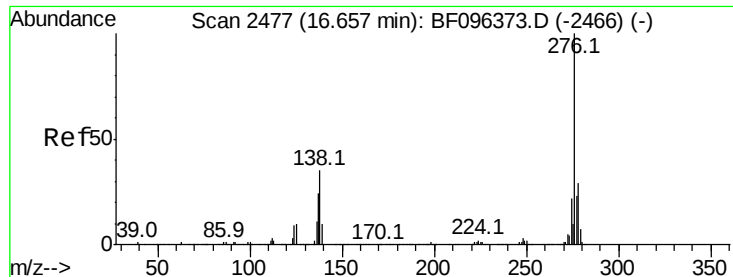


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

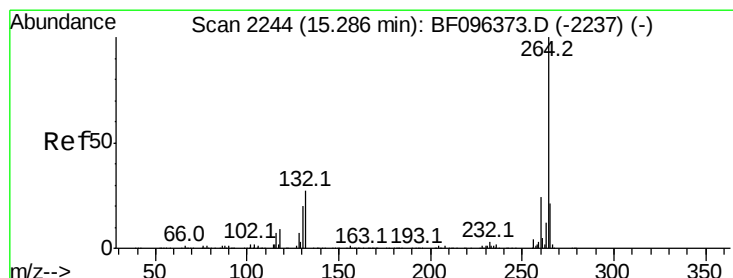
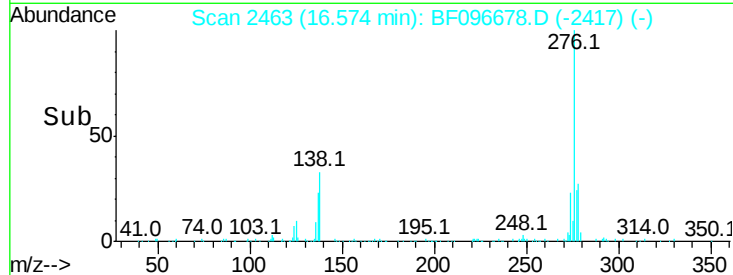
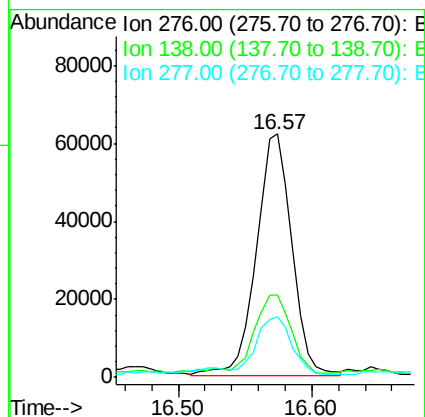
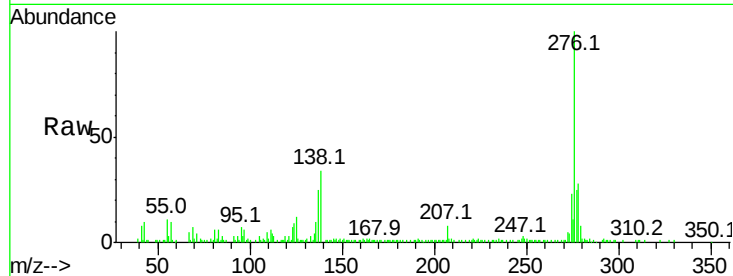




#85
Indeno(1,2,3-cd)pyrene
Concen: 11.943 ng
RT: 16.57 min Scan# 2463
Delta R.T. -0.03 min
Lab File: BF096678.D
Acq: 12 Jul 2017 7:55

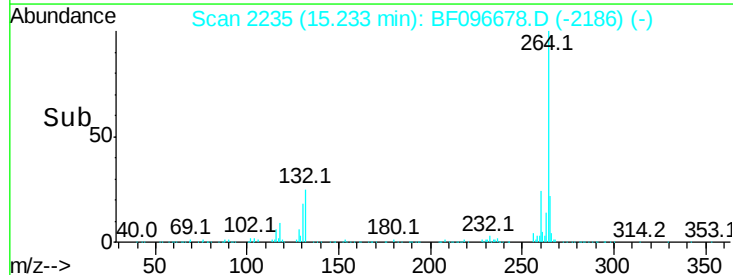
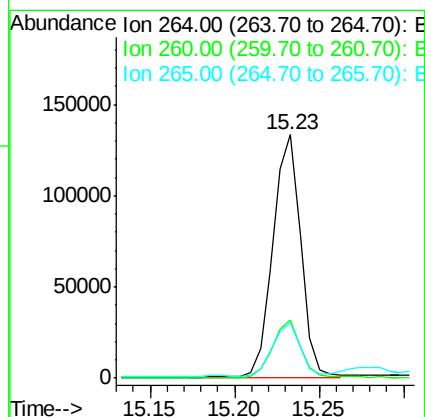
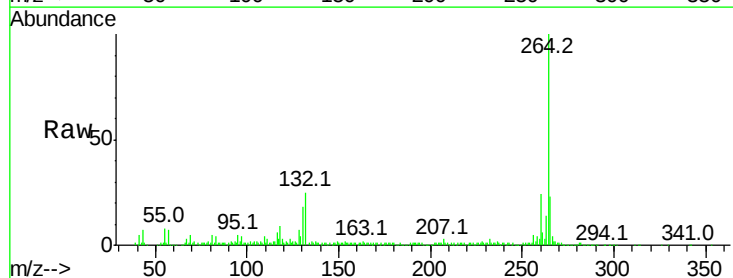
Instrument :
BNA_F
ClientSampleId :
E2-HS2-ESW

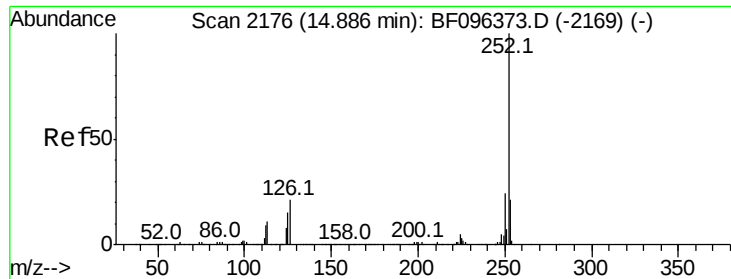
Tot Ion:276 Resp: 113500
Ion Ratio Lower Upper
276 100
138 34.5 27.8 41.6
277 25.6 20.2 30.4



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF096678.D
Acq: 12 Jul 2017 7:55

Tgt Ion:264 Resp: 153904
Ion Ratio Lower Upper
264 100
260 23.9 19.5 29.3
265 22.7 17.2 25.8





#87

Benzo(b)fluoranthene

Concen: 44.877 ng

RT: 14.84 min Scan# 2168

Delta R.T. -0.01 min

Lab File: BF096678.D

Acq: 12 Jul 2017 7:55

Instrument :

BNA_F

ClientSampleId :

E2-HS2-ESW

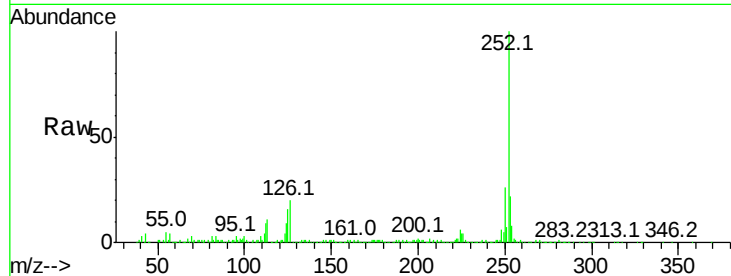
Tot Ion:252 Resp: 432777

Ion Ratio Lower Upper

252 100

253 22.2 18.1 27.1

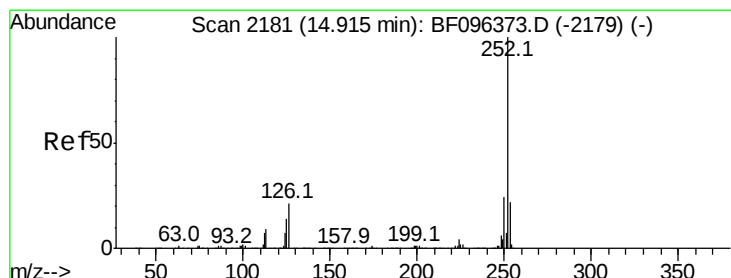
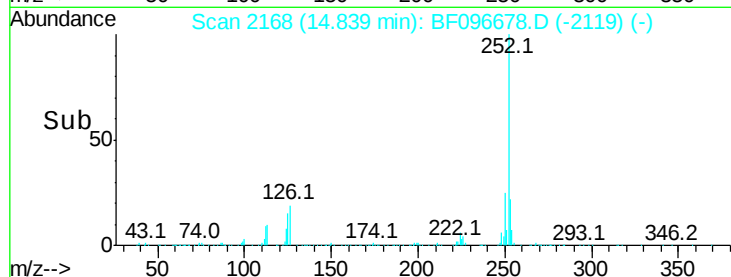
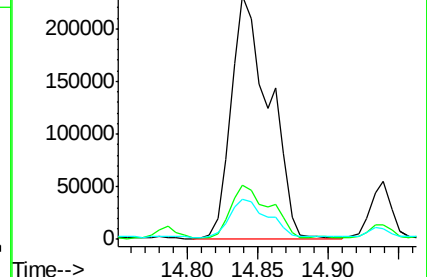
125 16.3 9.8 14.8#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88

Benzo(k)fluoranthene

Concen: 50.169 ng

RT: 14.84 min Scan# 2168

Delta R.T. -0.04 min

Lab File: BF096678.D

Acq: 12 Jul 2017 7:55

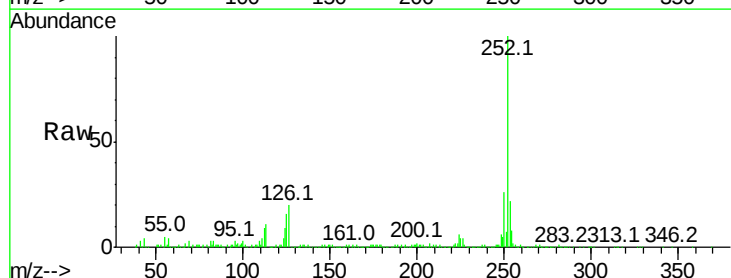
Tgt Ion:252 Resp: 432777

Ion Ratio Lower Upper

252 100

253 22.2 18.4 27.6

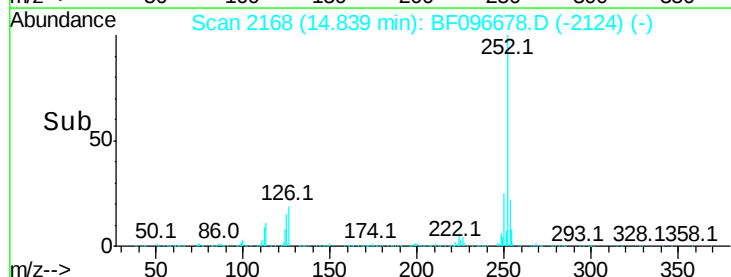
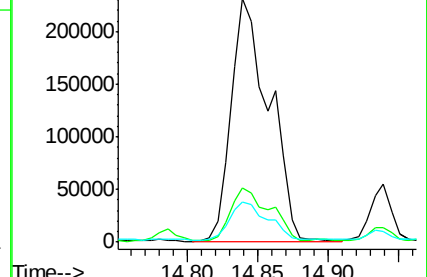
125 16.3 13.1 19.7

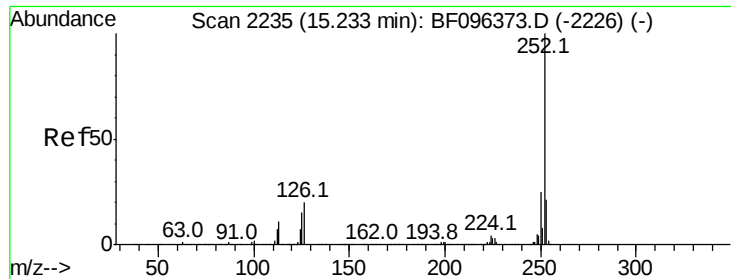


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

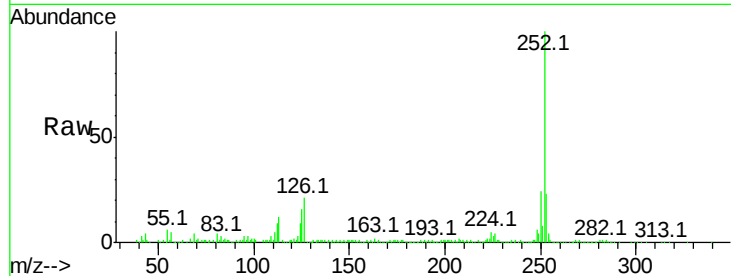




#89
Benzo(a)pyrene
Concen: 24.879 ng
RT: 15.17 min Scan# 2225
Delta R.T. -0.02 min
Lab File: BF096678.D
Acq: 12 Jul 2017 7:55

Instrument :
BNA_F
ClientSampleId :
E2-HS2-ESW

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	16.3	11.0	16.4

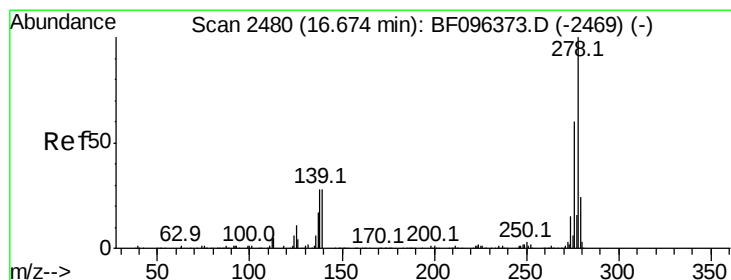
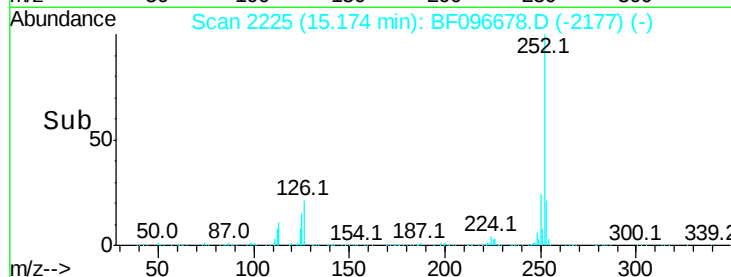
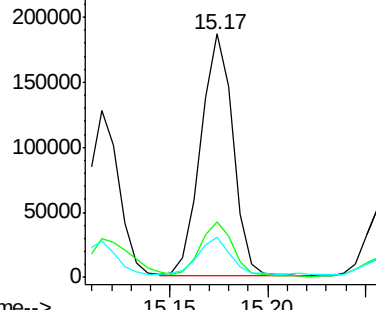


Abundance

Ion 252.00 (251.70 to 252.70): E

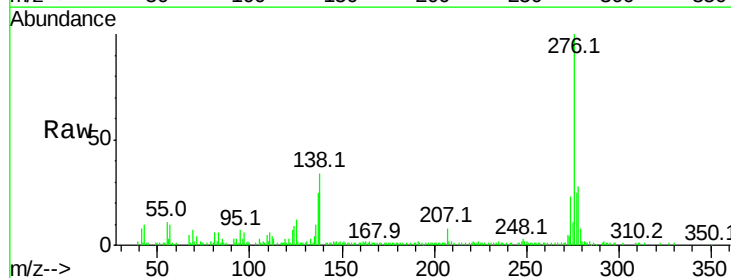
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90
Dibenzo(a,h)anthracene
Concen: 4.540 ng
RT: 16.57 min Scan# 2463
Delta R.T. -0.04 min
Lab File: BF096678.D
Acq: 12 Jul 2017 7:55

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	16.6	24.8#
279	28.2	19.3	28.9

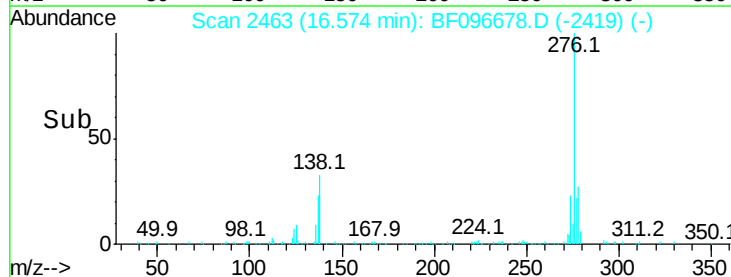
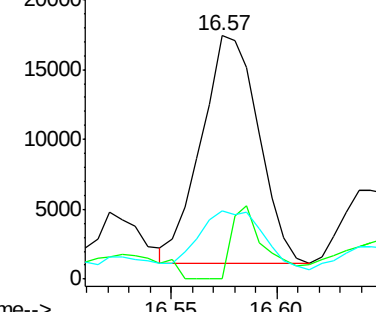


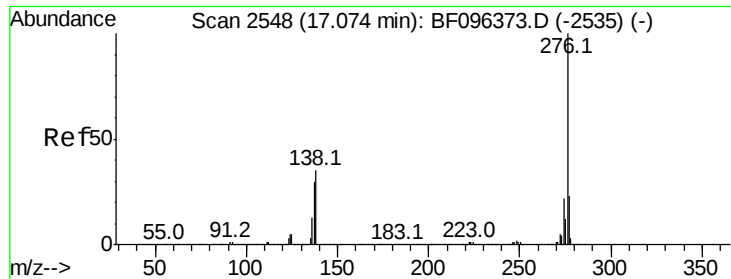
Abundance

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

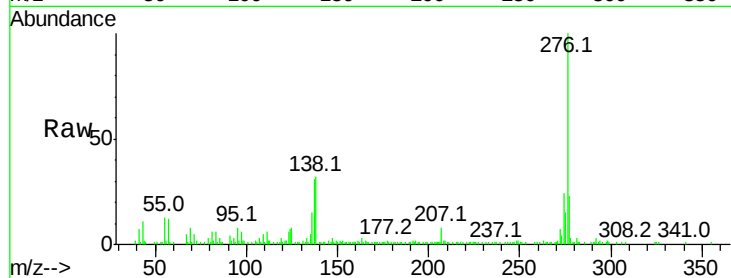




#91
 Benzo(a,h,i)perylene
 Concen: 14.537 ng
 RT: 16.97 min Scan# 2531
 Delta R.T. -0.03 min
 Lab File: BF096678.D
 Acq: 12 Jul 2017 7:55

Instrument :
 BNA_F
 ClientSampleId :
 E2-HS2-ESW

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.0	18.6	28.0
138	32.0	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

