

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041615\
 Data File : BF078595.D
 Acq On : 17 Apr 2015 7:04
 Operator : TP/IZ
 Sample : G1828-07DL 2X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB02ADL

Quant Time: Apr 17 06:54:35 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 17 03:45:36 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	22036	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	92246	20.00	ng	0.00
38) Acenaphthene-d10	10.42	164	49056	20.00	ng	0.00
63) Phenanthrene-d10	12.24	188	102377	20.00	ng	0.00
75) Chrysene-d12	15.49	240	116478	20.00	ng	-0.01
86) Perylene-d12	17.15	264	125245	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.91	112	16885	12.63	ng	0.00
7) Phenol-d6	6.30	99	32297	19.28	ng	0.00
23) Nitrobenzene-d5	7.39	82	24178	15.89	ng	0.00
41) 2,4,6-Tribromophenol	11.39	330	14922	36.68	ng	0.00
44) 2-Fluorobiphenyl	9.62	172	67835	19.77	ng	0.00
78) Terphenyl-d14	14.23	244	126408	24.52	ng	0.00

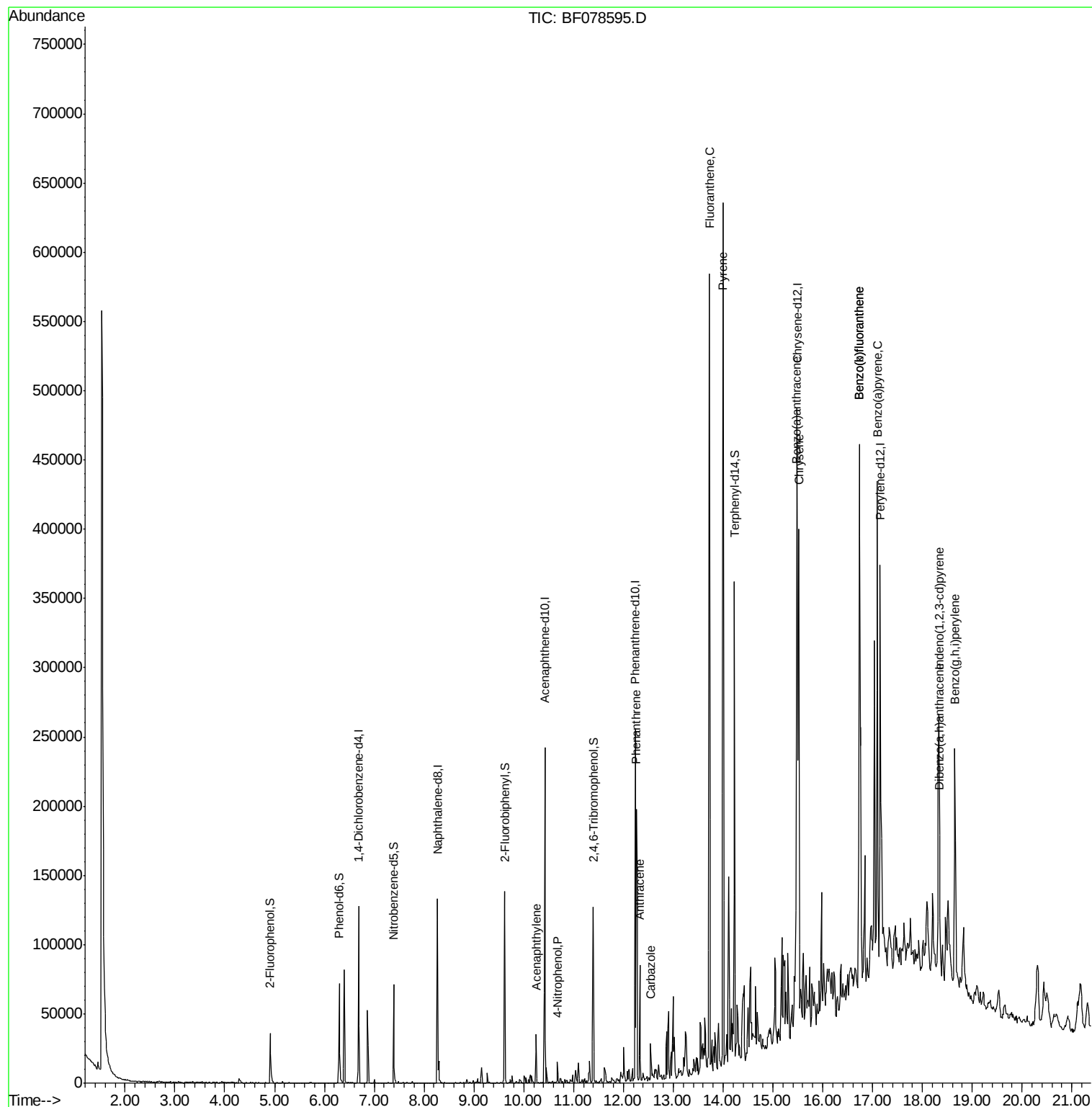
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
48) Acenaphthylene	10.25	152	22539	4.42	ng	100
55) 4-Nitrophenol	10.67	139	2468	6.52	ng	# 18
70) Phenanthrene	12.26	178	104859	17.71	ng	99
71) Anthracene	12.33	178	36711	6.29	ng	98
72) Carbazole	12.55	167	11188	2.05	ng	# 96
74) Fluoranthene	13.73	202	256754	41.11	ng	96
77) Pyrene	14.00	202	250035	34.20	ng	# 95
80) Benzo(a)anthracene	15.47	228	172540	24.90	ng	94
82) Chrysene	15.52	228	148472	22.80	ng	98
85) Indeno(1,2,3-cd)pyrene	18.33	276	116087	15.71	ng	# 91
87) Benzo(b)fluoranthene	16.73	252	310875	40.16	ng	# 95
88) Benzo(k)fluoranthene	16.73	252	311300	45.26	ng	97
89) Benzo(a)pyrene	17.10	252	163343	24.18	ng	96
90) Dibenzo(a,h)anthracene	18.34	278	31708	4.69	ng	# 90
91) Benzo(g,h,i)perylene	18.65	276	106393	15.69	ng	99

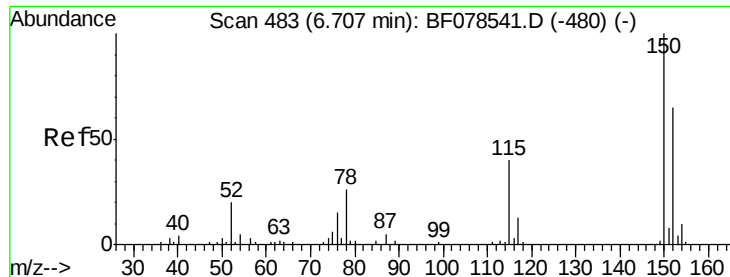
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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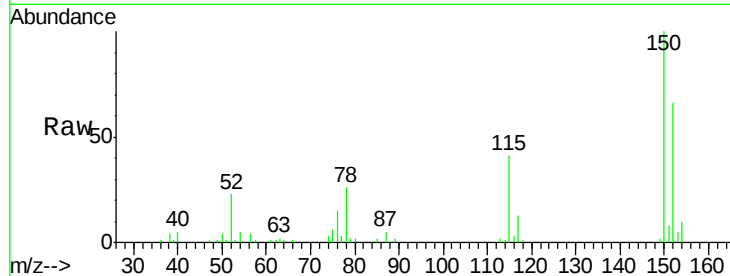




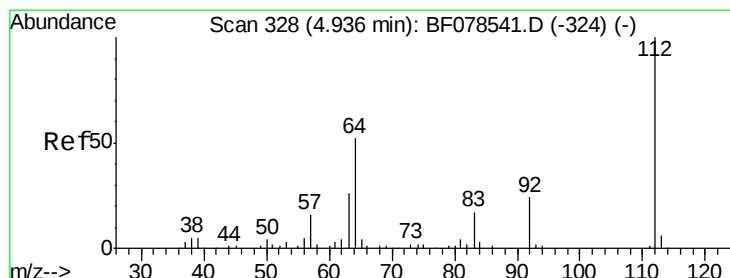
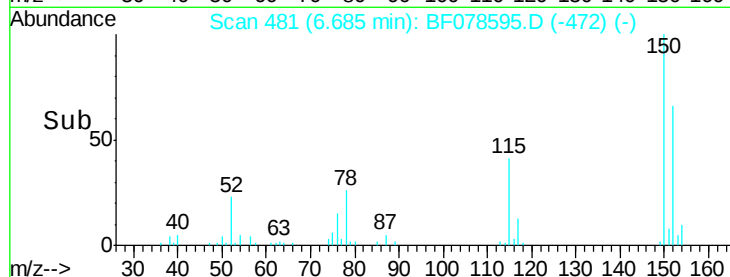
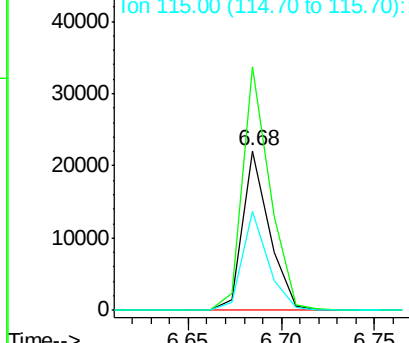
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.68 min Scan# 481
 Delta R.T. 0.00 min
 Lab File: BF078595.D
 Acq: 17 Apr 2015 7:04

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB02ADL

Tgt Ion:152 Resp: 22036
 Ion Ratio Lower Upper
 152 100
 150 152.4 125.9 188.9
 115 61.8 52.7 79.1

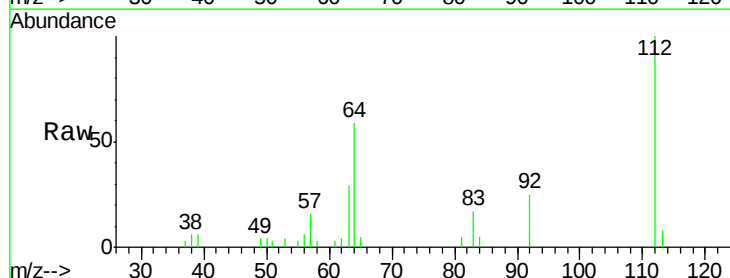


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

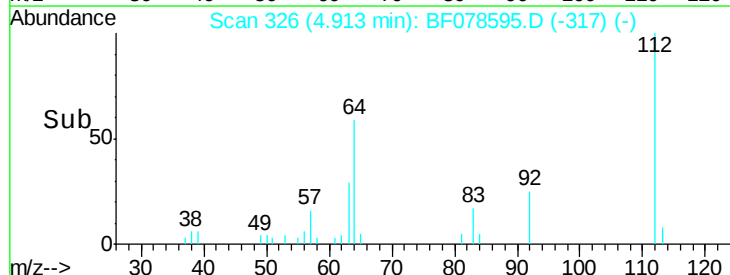
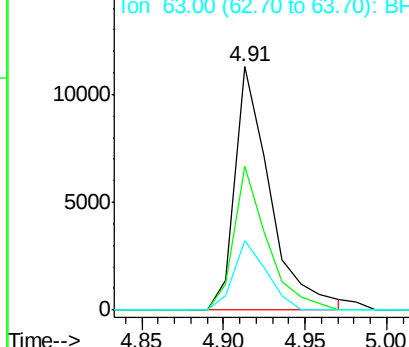


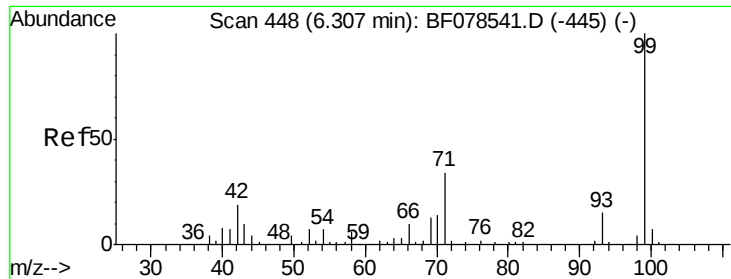
#5
 2-Fluorophenol
 Concen: 12.63 ng
 RT: 4.91 min Scan# 326
 Delta R.T. 0.00 min
 Lab File: BF078595.D
 Acq: 17 Apr 2015 7:04

Tgt Ion:112 Resp: 16885
 Ion Ratio Lower Upper
 112 100
 64 58.8 39.9 59.9
 63 28.8 20.2 30.4



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: 19.28 ng

RT: 6.30 min Scan# 447

Delta R.T. 0.00 min

Lab File: BF078595.D

Acq: 17 Apr 2015 7:04

Instrument :

BNA_F

ClientSampleId :

HS-SB02ADL

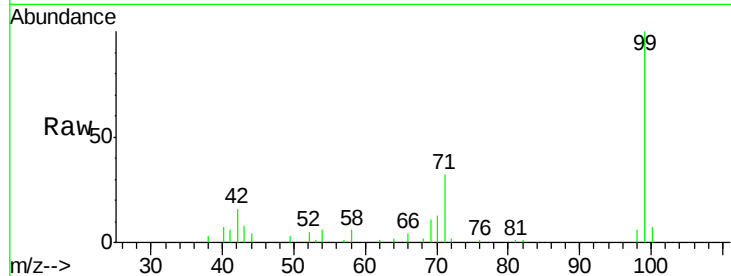
Tgt Ion: 99 Resp: 32297

Ion Ratio Lower Upper

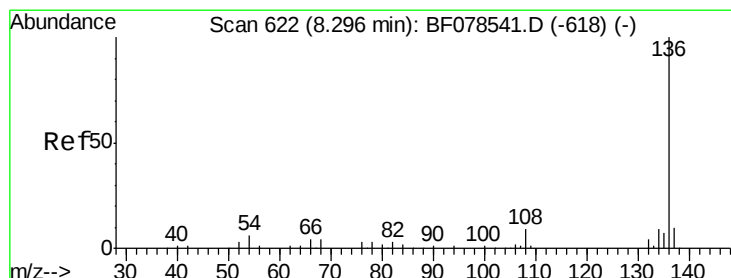
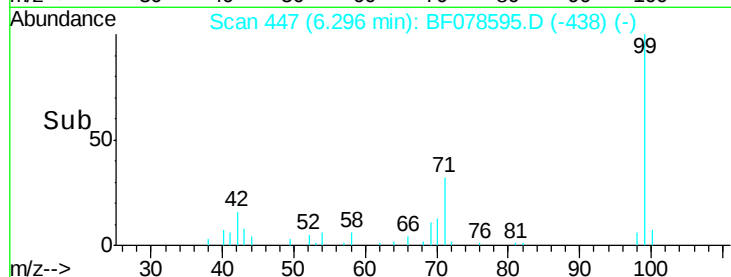
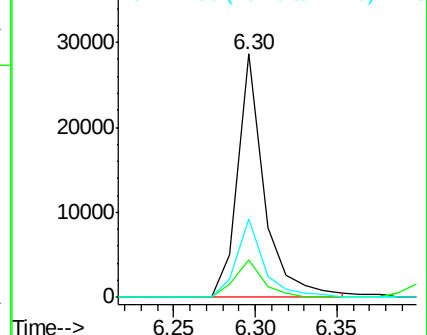
99 100

42 15.5 14.8 22.2

71 32.0 26.6 39.8



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.27 min Scan# 620

Delta R.T. 0.00 min

Lab File: BF078595.D

Acq: 17 Apr 2015 7:04

Tgt Ion: 136 Resp: 92246

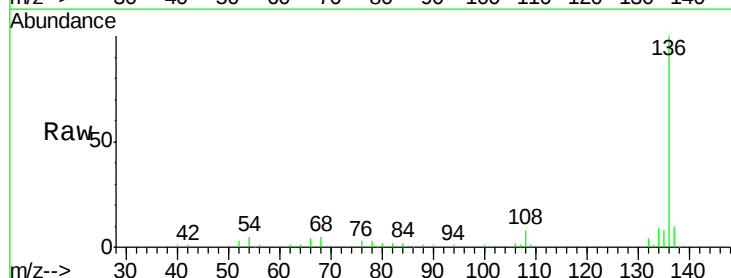
Ion Ratio Lower Upper

136 100

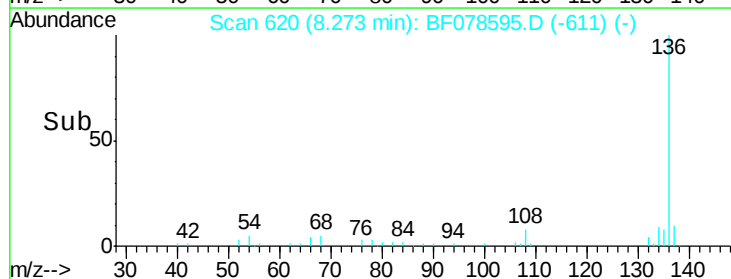
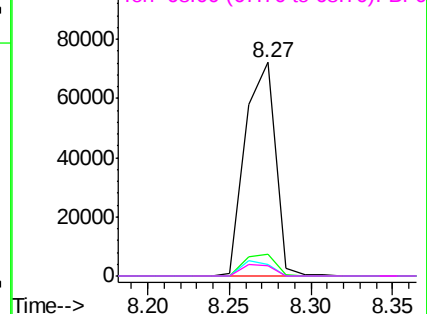
137 10.3 9.0 13.4

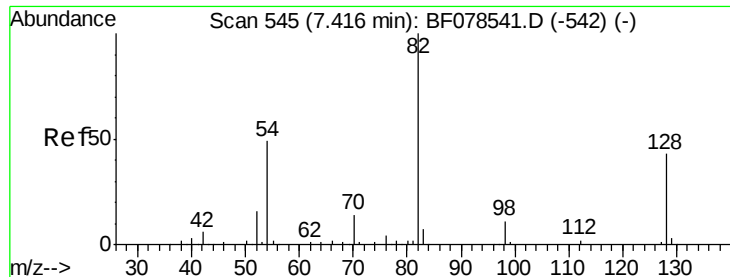
54 5.2 7.0 10.6#

68 4.9 5.4 8.2#



Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

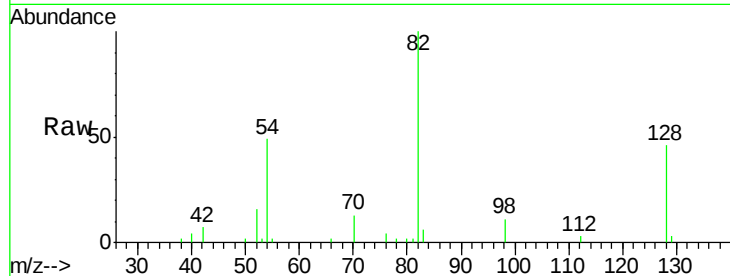




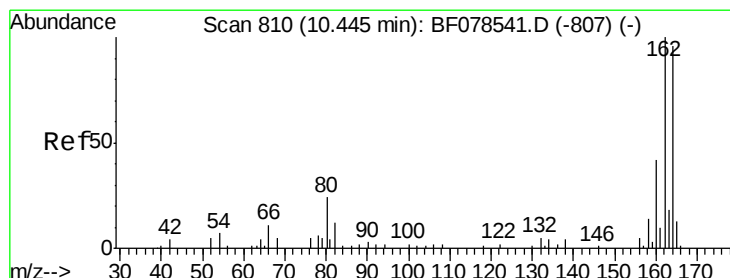
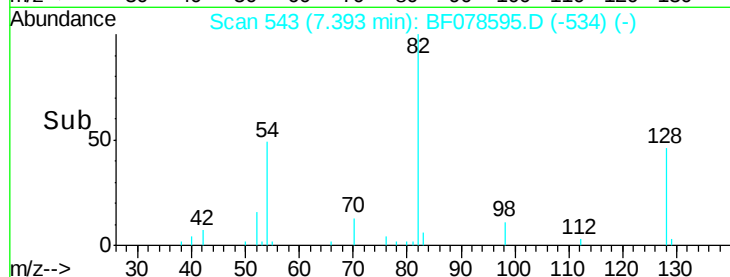
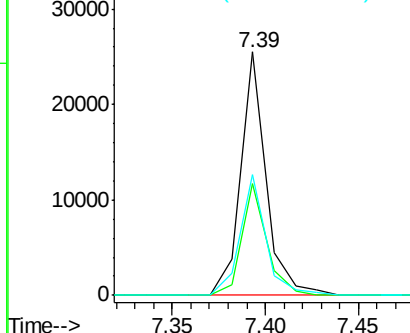
#23
 Nitrobenzene-d5
 Concen: 15.89 ng
 RT: 7.39 min Scan# 543
 Delta R.T. 0.00 min
 Lab File: BF078595.D
 Acq: 17 Apr 2015 7:04

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB02ADL

Tgt Ion: 82 Resp: 24178
 Ion Ratio Lower Upper
 82 100
 128 45.8 31.8 47.8
 54 49.4 41.5 62.3

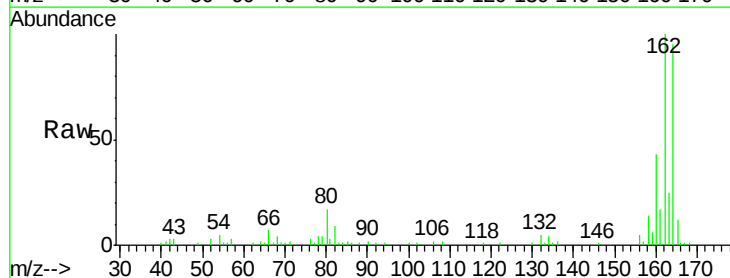


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

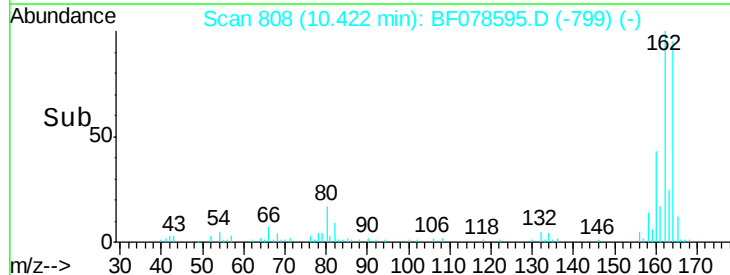
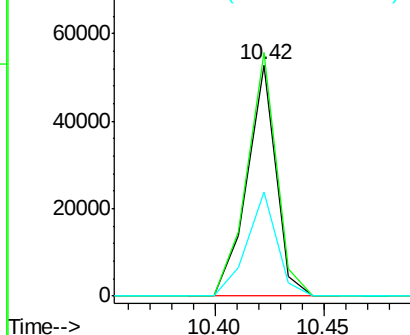


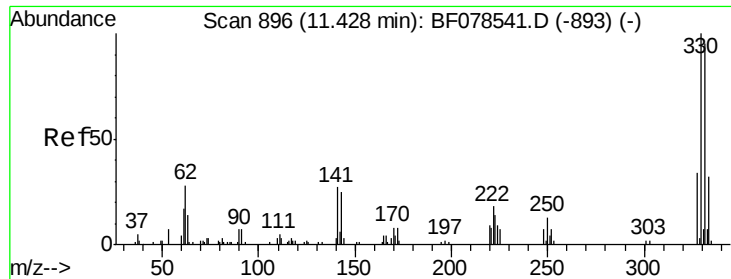
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.42 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: BF078595.D
 Acq: 17 Apr 2015 7:04

Tgt Ion: 164 Resp: 49056
 Ion Ratio Lower Upper
 164 100
 162 105.2 82.2 123.2
 160 45.0 34.7 52.1



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

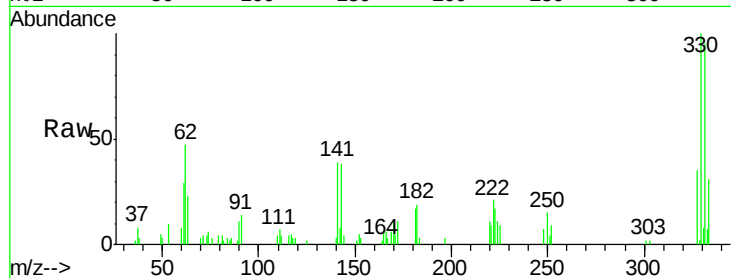




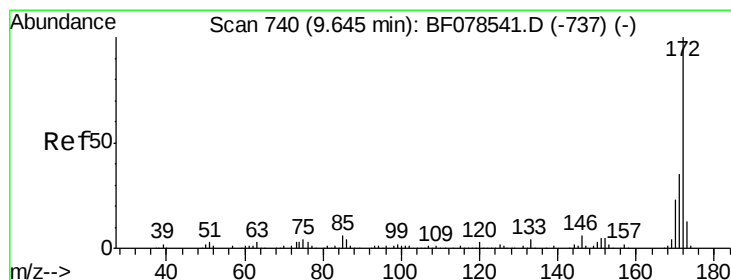
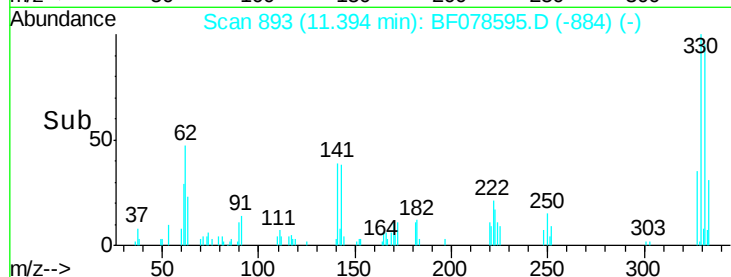
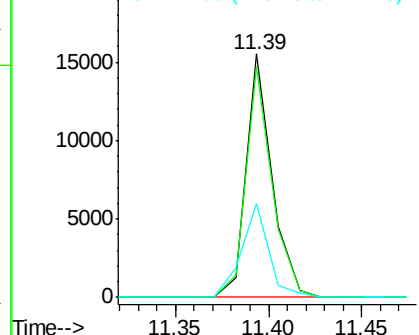
#41
 2,4,6-Tribromophenol
 Concen: 36.68 ng
 RT: 11.39 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: BF078595.D
 Acq: 17 Apr 2015 7:04

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB02ADL

Tgt Ion: 330 Resp: 14922
 Ion Ratio Lower Upper
 330 100
 332 95.9 78.6 117.8
 141 41.0 31.2 46.8

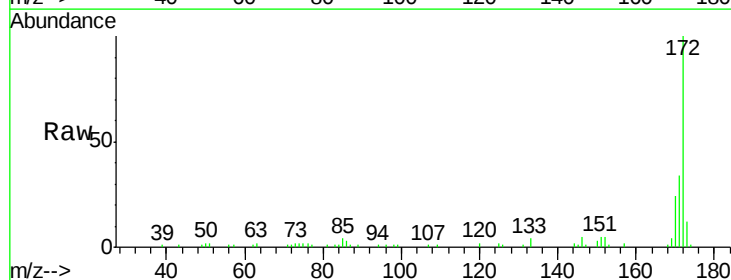


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

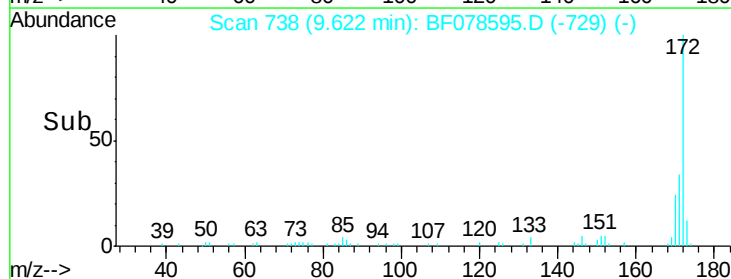
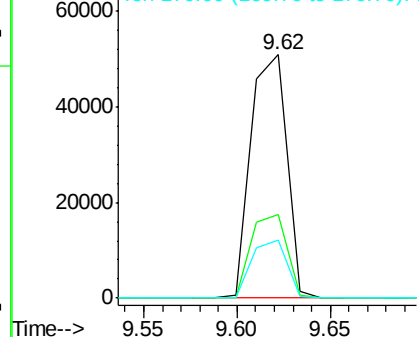


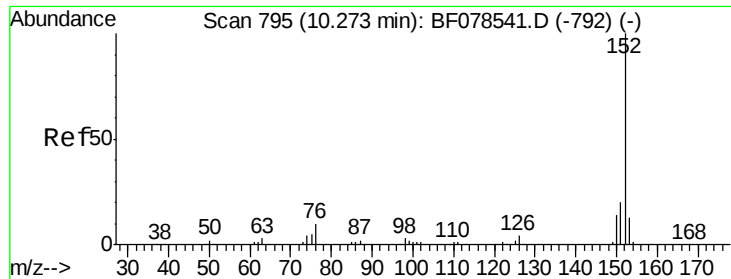
#44
 2-Fluorobiphenyl
 Concen: 19.77 ng
 RT: 9.62 min Scan# 738
 Delta R.T. 0.00 min
 Lab File: BF078595.D
 Acq: 17 Apr 2015 7:04

Tgt Ion: 172 Resp: 67835
 Ion Ratio Lower Upper
 172 100
 171 34.3 28.6 42.8
 170 23.6 18.5 27.7



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





#48

Acenaphthylene

Concen: 4.42 ng

RT: 10.25 min Scan# 793

Delta R.T. 0.00 min

Lab File: BF078595.D

Acq: 17 Apr 2015 7:04

Instrument :

BNA_F

ClientSampleId :

HS-SB02ADL

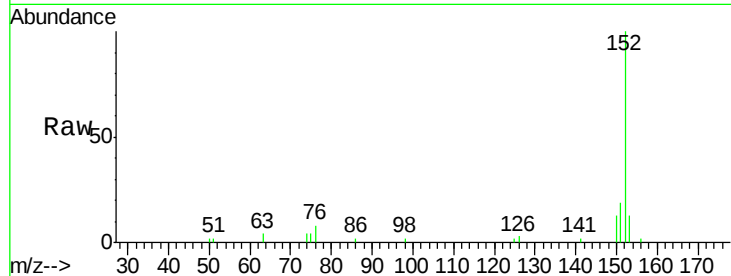
Tgt Ion:152 Resp: 22539

Ion Ratio Lower Upper

152 100

151 19.4 15.7 23.5

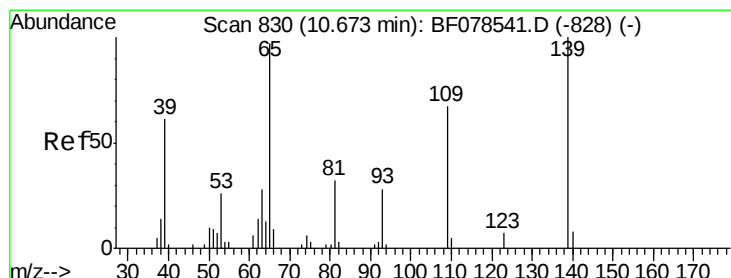
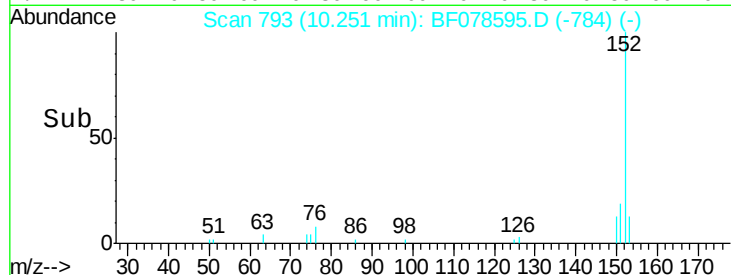
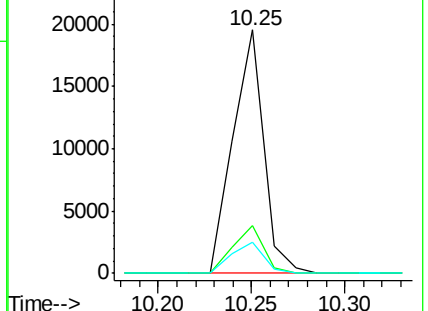
153 12.6 10.2 15.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#55

4-Nitrophenol

Concen: 6.52 ng

RT: 10.67 min Scan# 830

Delta R.T. 0.01 min

Lab File: BF078595.D

Acq: 17 Apr 2015 7:04

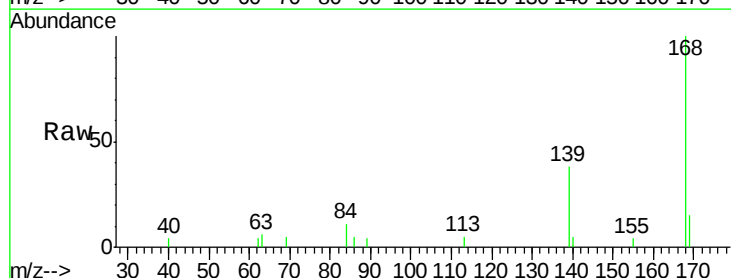
Tgt Ion:139 Resp: 2468

Ion Ratio Lower Upper

139 100

109 0.0 36.7 76.7#

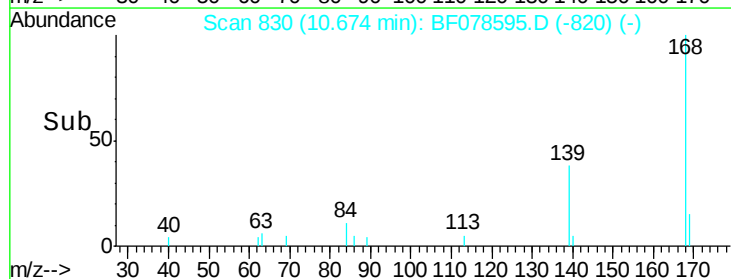
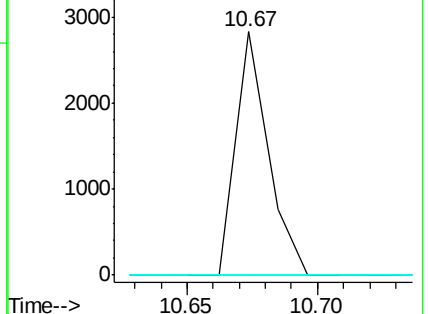
65 0.0 49.9 89.9#

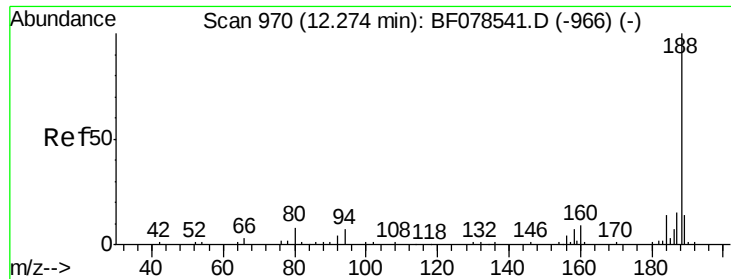


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

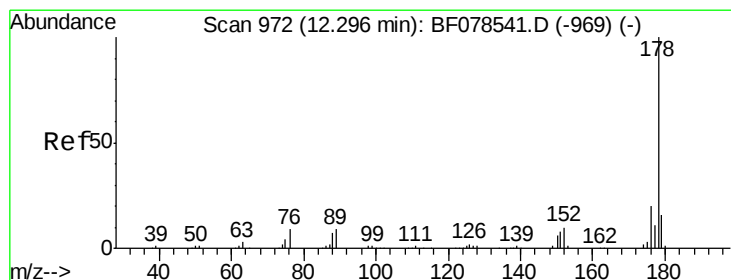
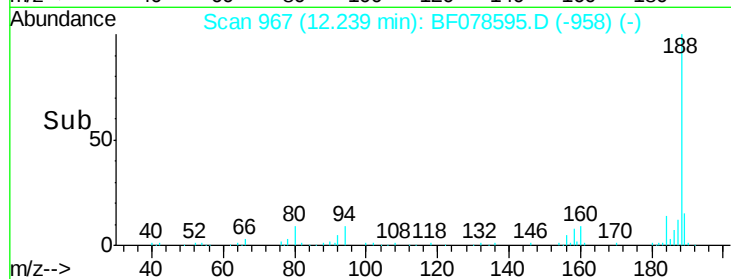
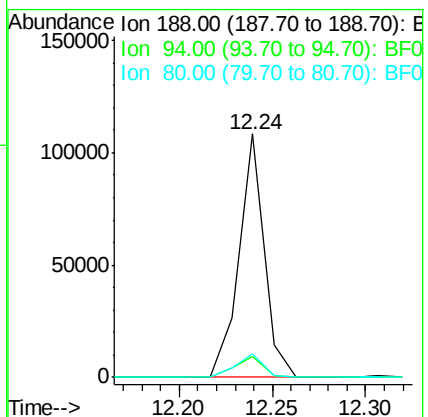
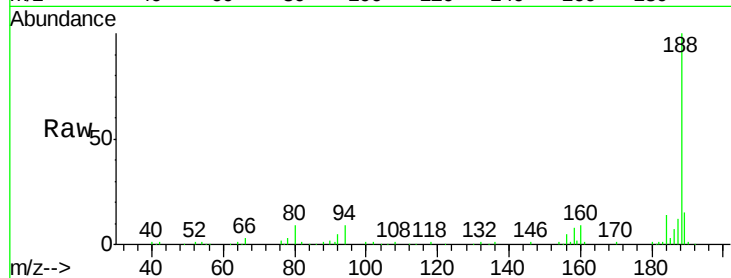




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.24 min Scan# 967
 Delta R.T. 0.00 min
 Lab File: BF078595.D
 Acq: 17 Apr 2015 7:04

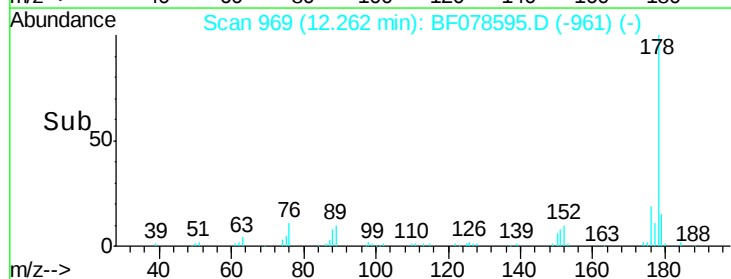
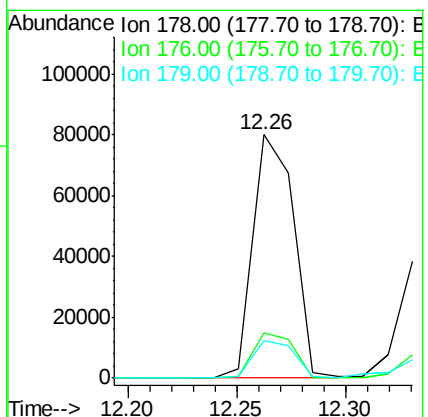
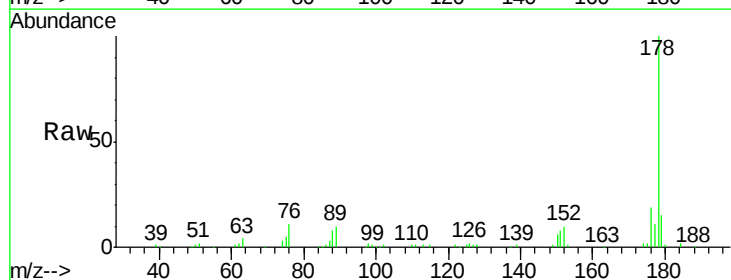
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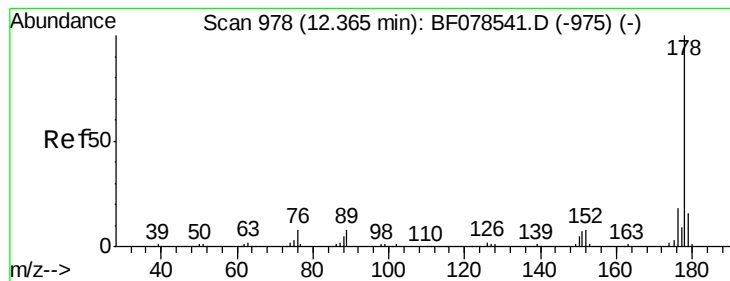
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	9.0	13.4#
80	9.4	9.5	14.3#



#70
 Phenanthrene
 Concen: 17.71 ng
 RT: 12.26 min Scan# 969
 Delta R.T. -0.01 min
 Lab File: BF078595.D
 Acq: 17 Apr 2015 7:04

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.0
179	15.5	12.2	18.2





#71

Anthracene

Concen: 6.29 ng

RT: 12.33 min Scan# 975

Delta R.T. 0.00 min

Lab File: BF078595.D

Acq: 17 Apr 2015 7:04

Instrument :

BNA_F

ClientSampleId :

HS-SB02ADL

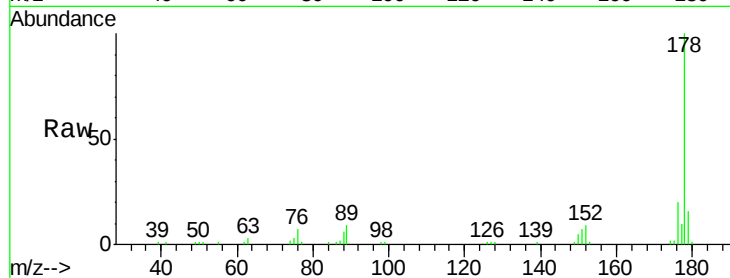
Tgt Ion:178 Resp: 36711

Ion Ratio Lower Upper

178 100

176 19.6 14.8 22.2

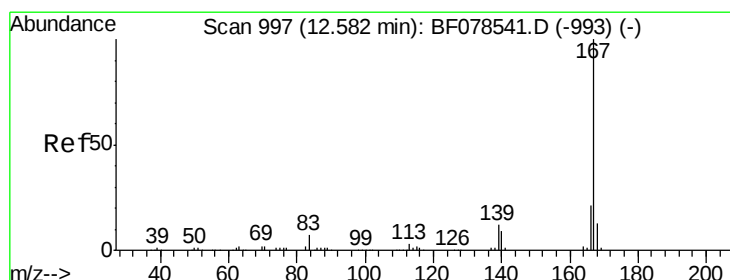
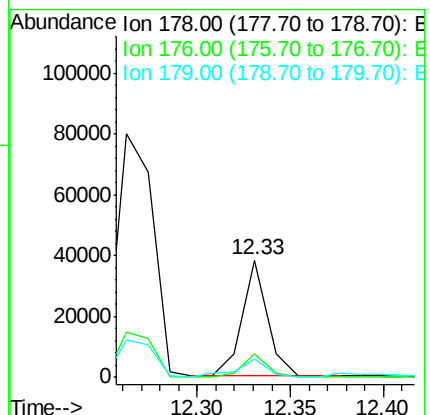
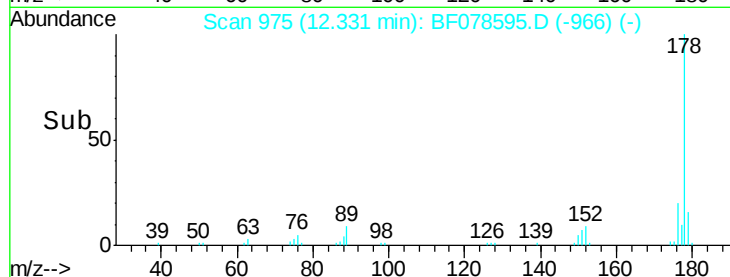
179 15.9 12.4 18.6



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: 2.05 ng

RT: 12.55 min Scan# 994

Delta R.T. 0.00 min

Lab File: BF078595.D

Acq: 17 Apr 2015 7:04

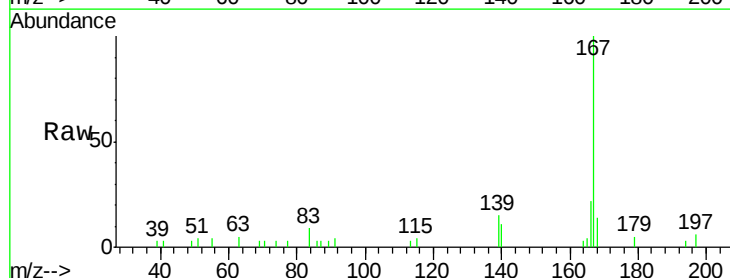
Tgt Ion:167 Resp: 11188

Ion Ratio Lower Upper

167 100

166 22.2 16.8 25.2

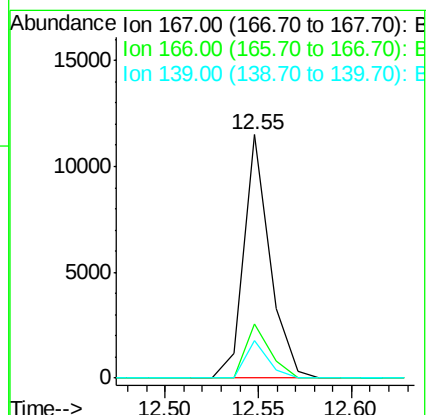
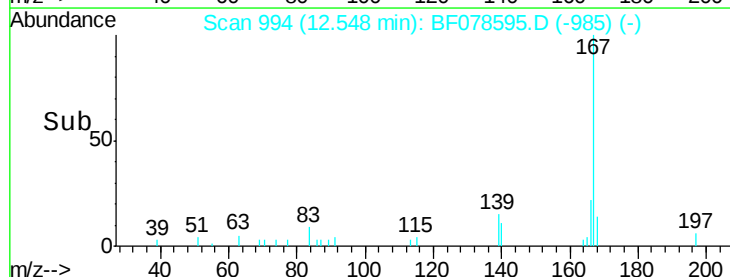
139 15.3 10.0 15.0#

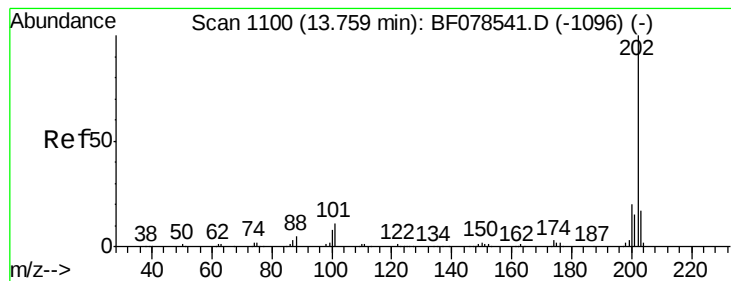


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 41.11 ng

RT: 13.73 min Scan# 1097

Delta R.T. 0.00 min

Lab File: BF078595.D

Acq: 17 Apr 2015 7:04

Instrument :

BNA_F

ClientSampleId :

HS-SB02ADL

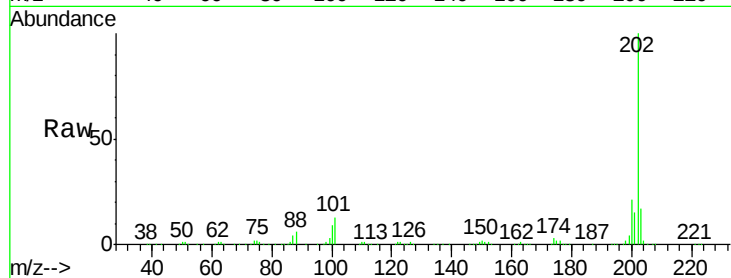
Tgt Ion:202 Resp: 256754

Ion Ratio Lower Upper

202 100

101 12.8 0.0 35.2

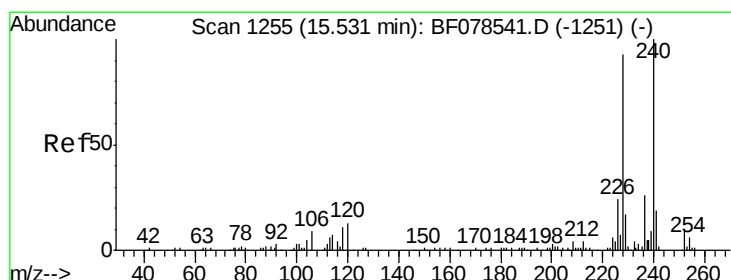
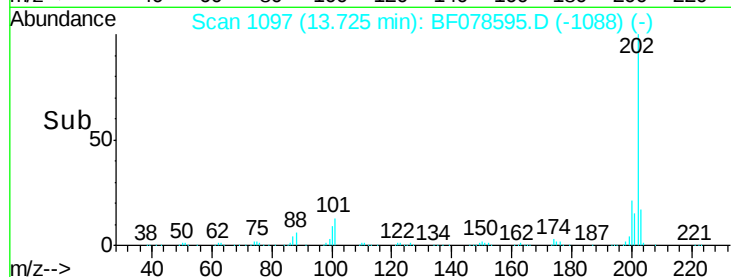
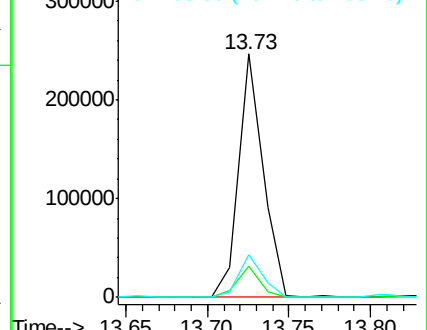
203 17.4 0.0 38.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.49 min Scan# 1251

Delta R.T. -0.01 min

Lab File: BF078595.D

Acq: 17 Apr 2015 7:04

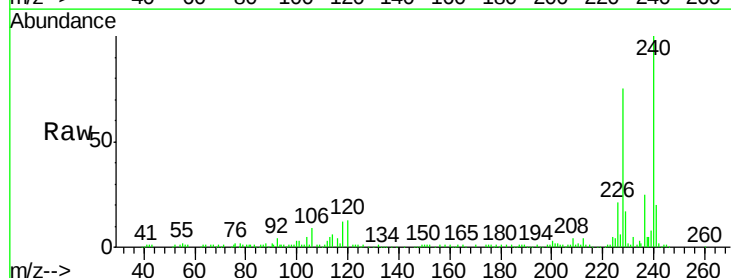
Tgt Ion:240 Resp: 116478

Ion Ratio Lower Upper

240 100

120 13.5 7.1 10.7#

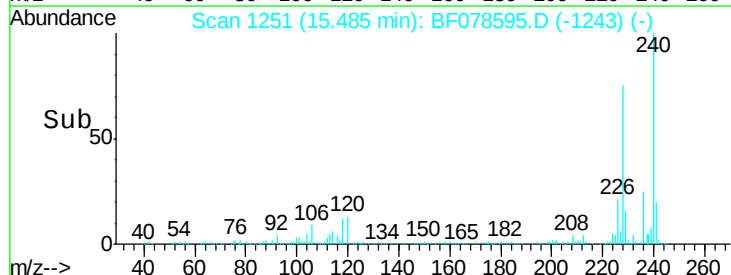
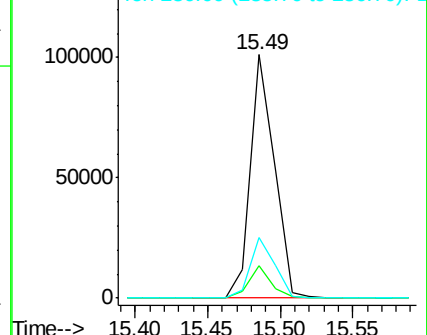
236 25.1 21.4 32.2

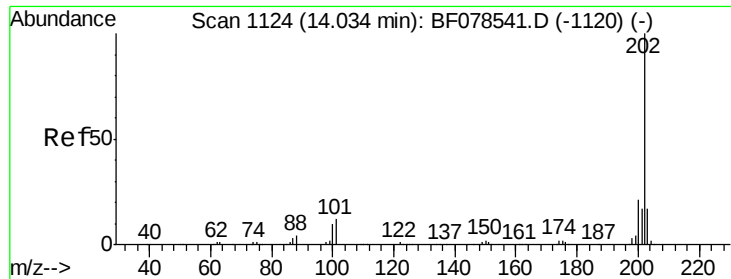


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 34.20 ng

RT: 14.00 min Scan# 1121

Delta R.T. 0.00 min

Lab File: BF078595.D

Acq: 17 Apr 2015 7:04

Instrument :

BNA_F

ClientSampleId :

HS-SB02ADL

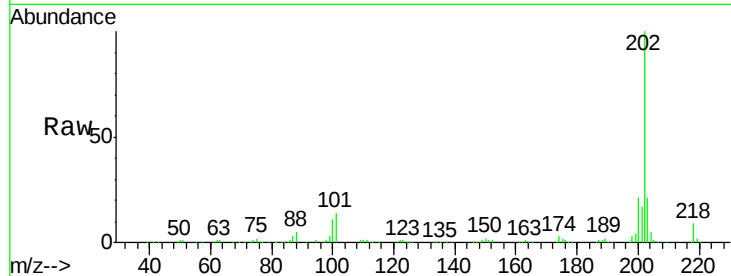
Tgt Ion:202 Resp: 250035

Ion Ratio Lower Upper

202 100

200 21.3 16.3 24.5

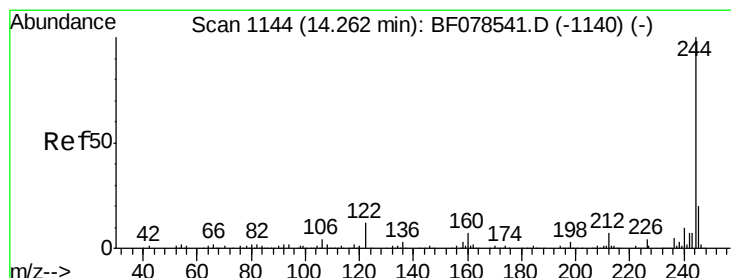
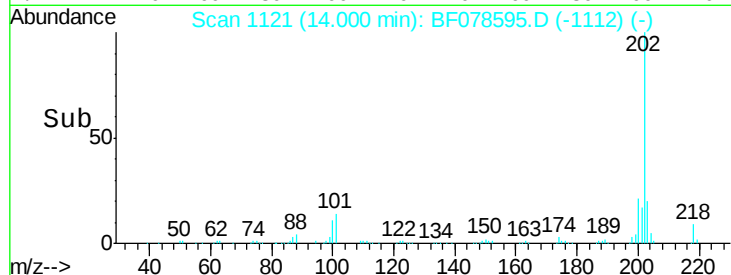
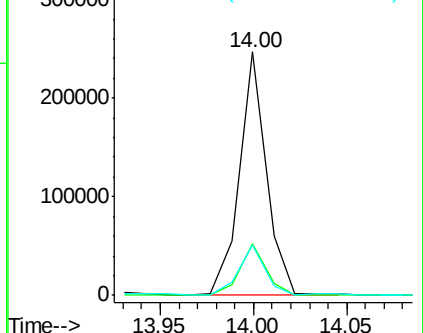
203 20.7 13.8 20.6#



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: 24.52 ng

RT: 14.23 min Scan# 1141

Delta R.T. 0.00 min

Lab File: BF078595.D

Acq: 17 Apr 2015 7:04

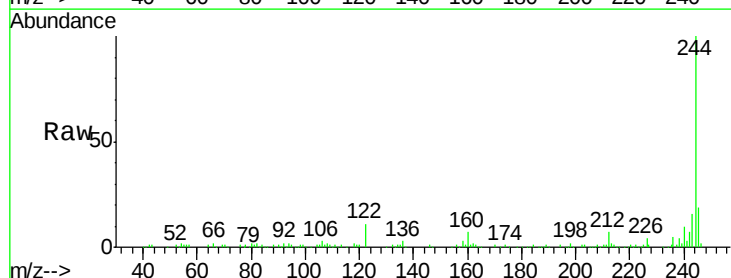
Tgt Ion:244 Resp: 126408

Ion Ratio Lower Upper

244 100

212 6.6 5.0 7.4

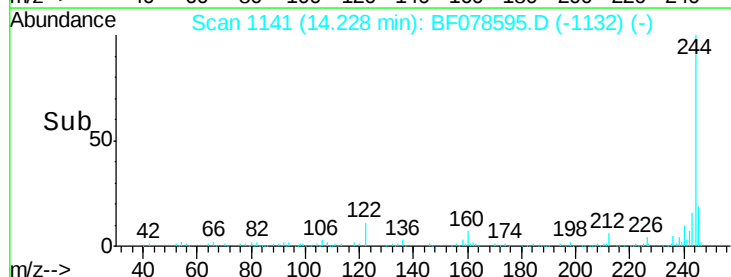
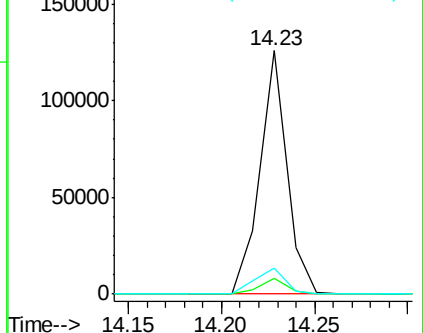
122 10.9 7.1 10.7#

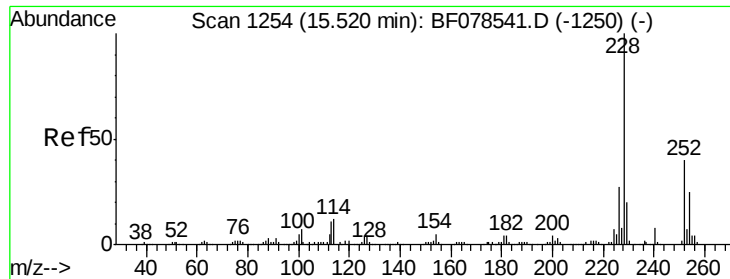


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 24.90 ng

RT: 15.47 min Scan# 1250

Delta R.T. -0.01 min

Lab File: BF078595.D

Acq: 17 Apr 2015 7:04

Instrument :

BNA_F

ClientSampleId :

HS-SB02ADL

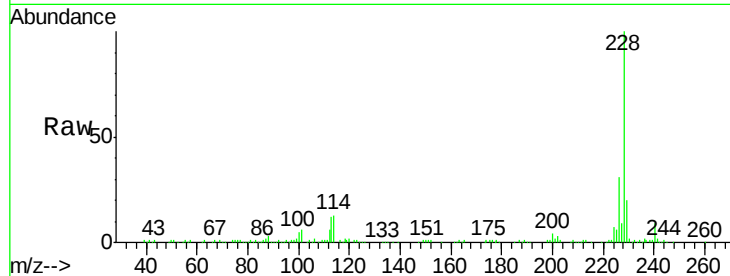
Tgt Ion: 228 Resp: 172540

Ion Ratio Lower Upper

228 100

226 30.6 21.3 31.9

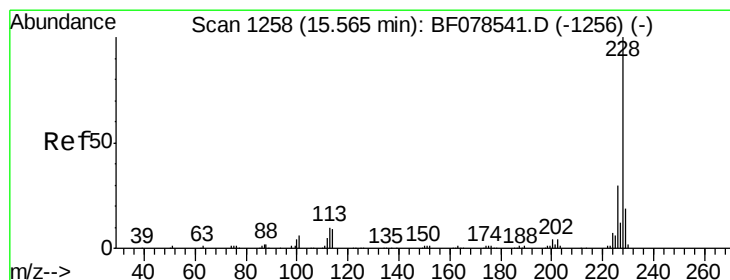
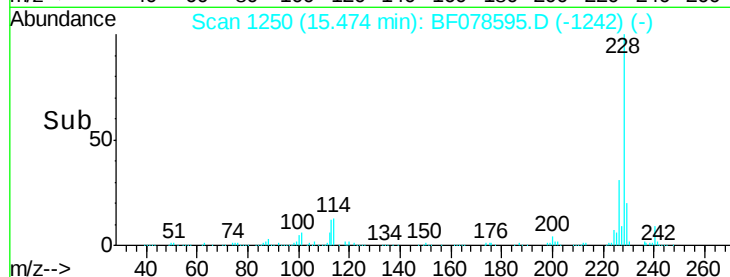
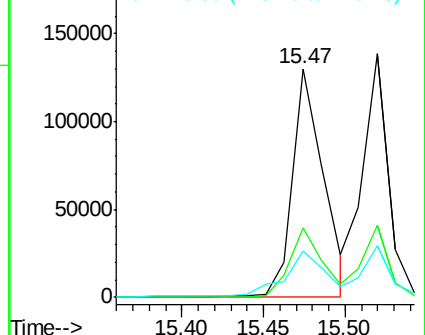
229 20.4 15.4 23.2



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: 22.80 ng

RT: 15.52 min Scan# 1254

Delta R.T. 0.00 min

Lab File: BF078595.D

Acq: 17 Apr 2015 7:04

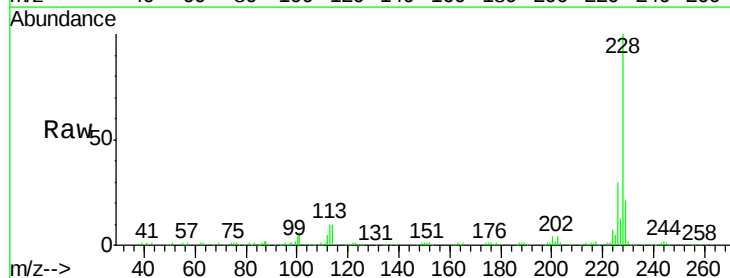
Tgt Ion: 228 Resp: 148472

Ion Ratio Lower Upper

228 100

226 29.6 24.2 36.4

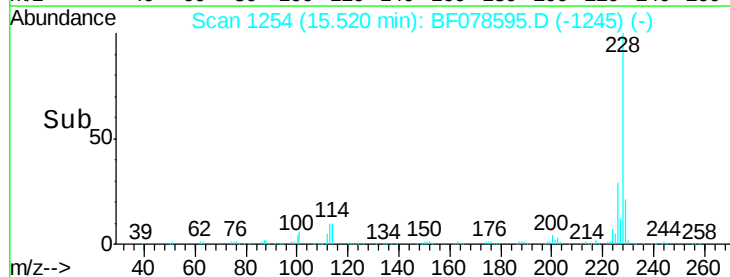
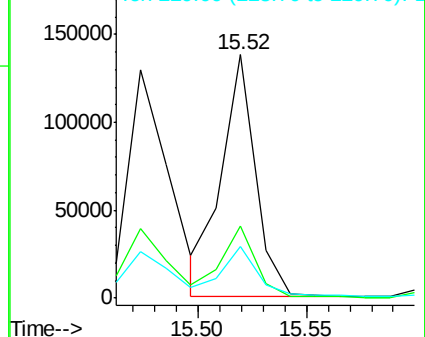
229 21.4 15.8 23.8

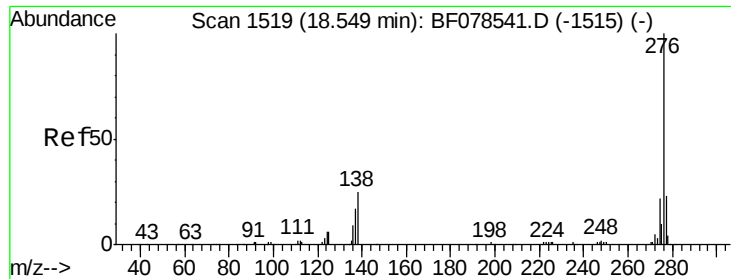


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

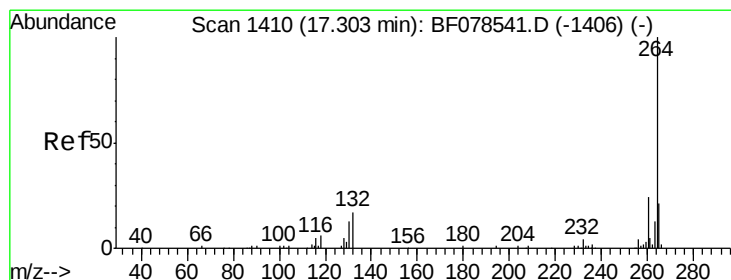
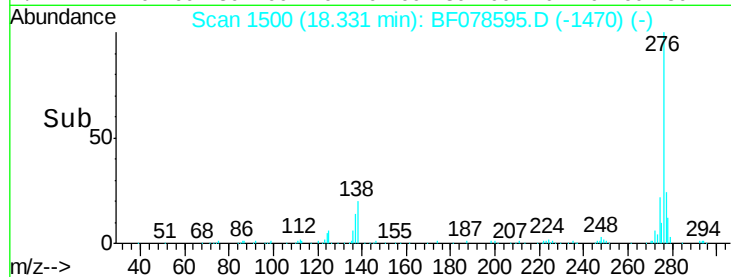
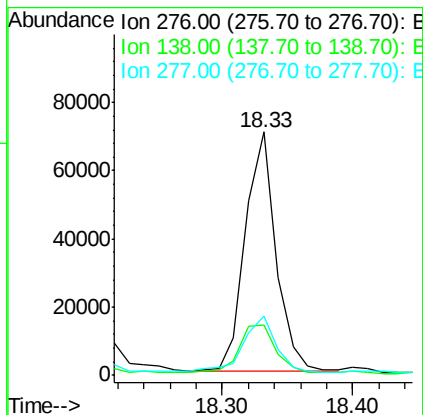
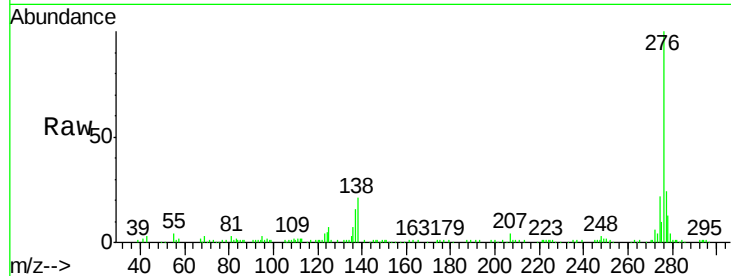




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 15.71 ng
 RT: 18.33 min Scan# 1500
 Delta R.T. 0.05 min
 Lab File: BF078595.D
 Acq: 17 Apr 2015 7:04

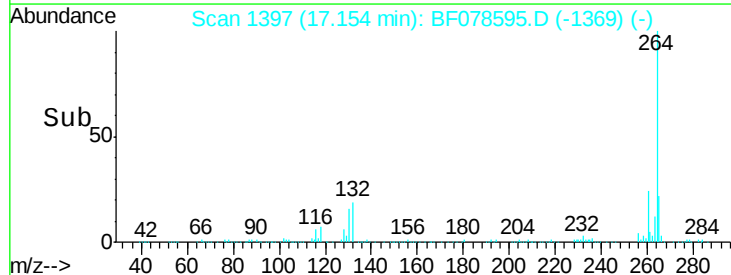
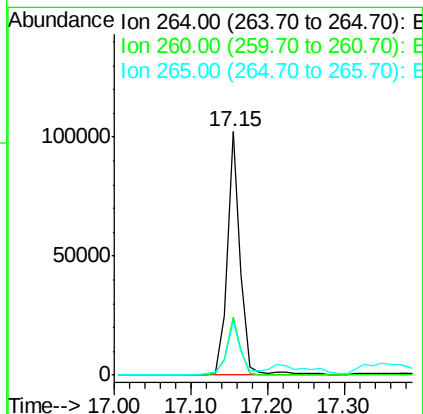
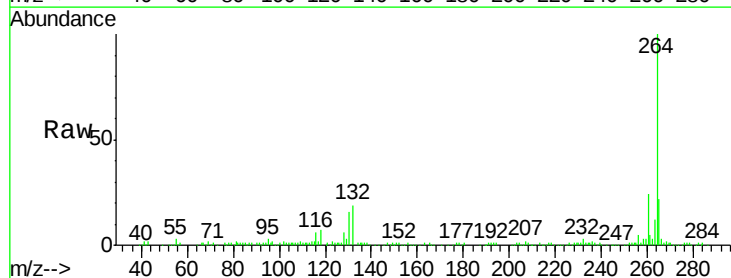
Instrument :
 BNA_F
 ClientSampleId :
 HS-SB02ADL

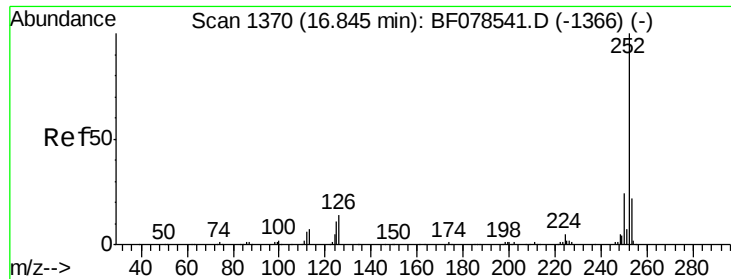
Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.7	16.9	25.3
277	25.7	15.8	23.6



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.15 min Scan# 1397
 Delta R.T. 0.02 min
 Lab File: BF078595.D
 Acq: 17 Apr 2015 7:04

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	27.8
265	22.3	17.0	25.6

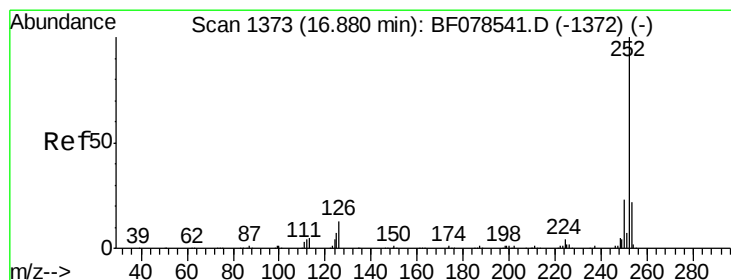
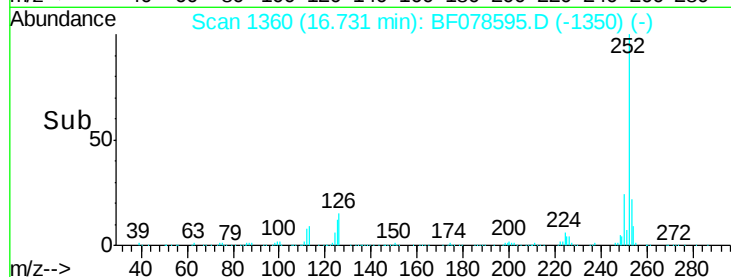
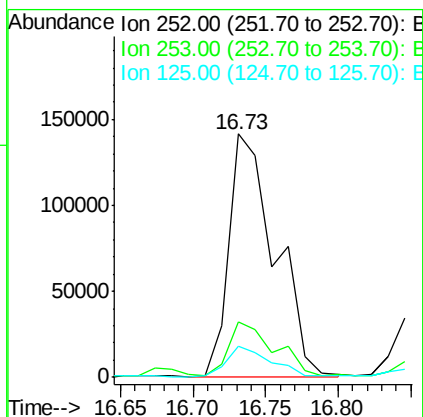
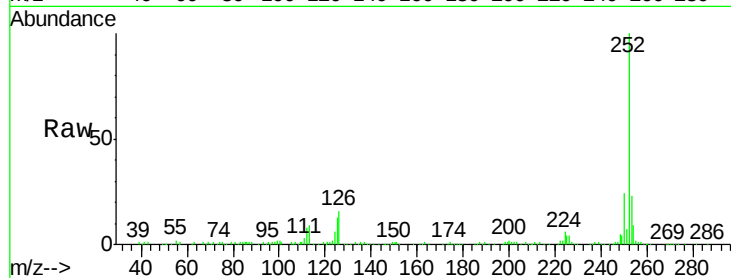




#87
Benzo(b)fluoranthene
Concen: 40.16 ng
RT: 16.73 min Scan# 1360
Delta R.T. 0.01 min
Lab File: BF078595.D
Acq: 17 Apr 2015 7:04

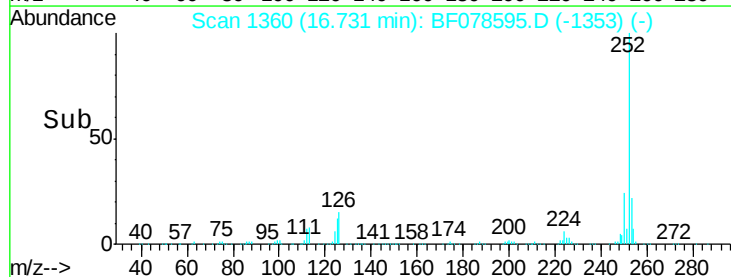
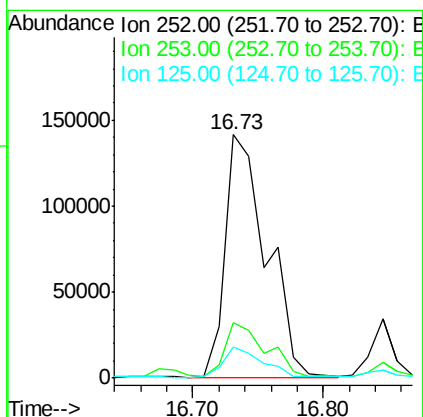
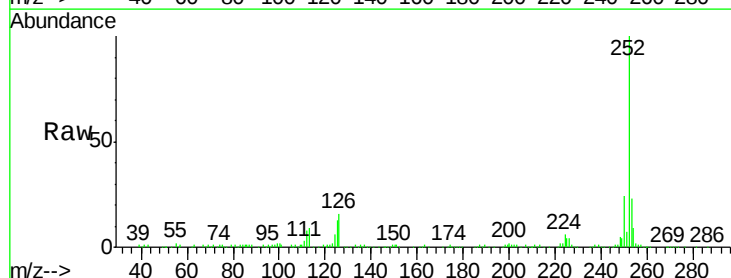
Instrument :
BNA_F
ClientSampleId :
HS-SB02ADL

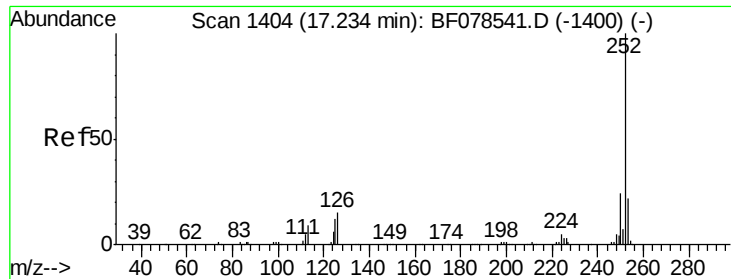
Tgt Ion:252 Resp: 310875
Ion Ratio Lower Upper
252 100
253 22.5 17.2 25.8
125 12.6 7.0 10.4#



#88
Benzo(k)fluoranthene
Concen: 45.26 ng
RT: 16.73 min Scan# 1360
Delta R.T. -0.02 min
Lab File: BF078595.D
Acq: 17 Apr 2015 7:04

Tgt Ion:252 Resp: 311300
Ion Ratio Lower Upper
252 100
253 22.5 17.5 26.3
125 12.6 11.6 17.4

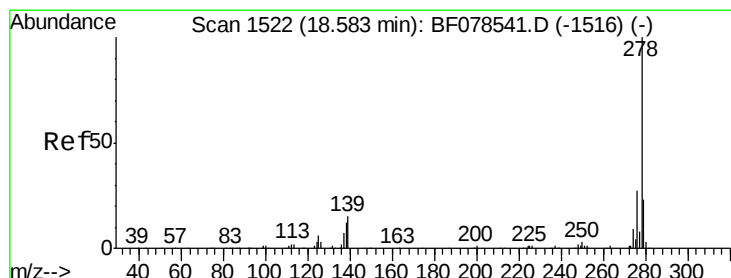
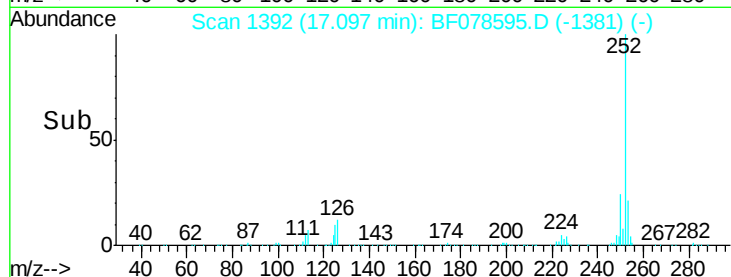
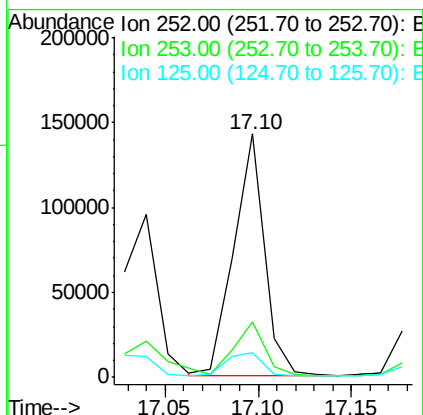
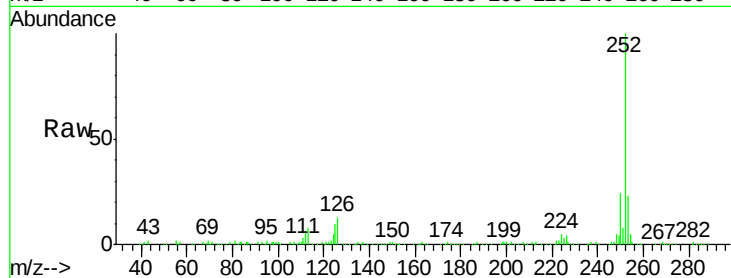




#89
Benzo(a)pyrene
Concen: 24.18 ng
RT: 17.10 min Scan# 1392
Delta R.T. 0.02 min
Lab File: BF078595.D
Acq: 17 Apr 2015 7:04

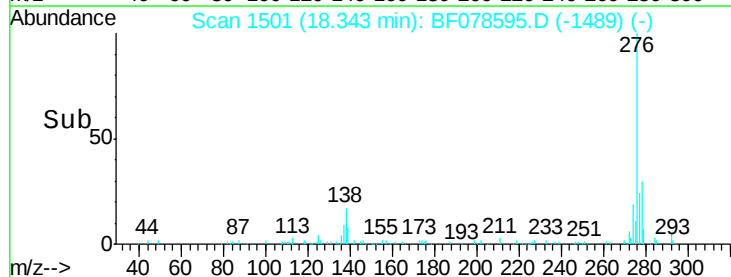
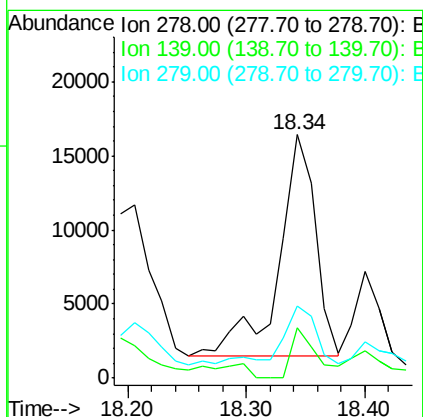
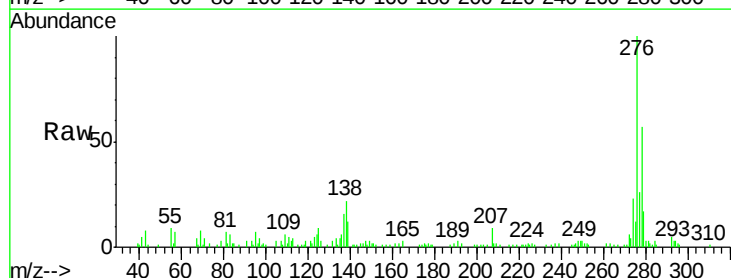
Instrument :
BNA_F
ClientSampleId :
HS-SB02ADL

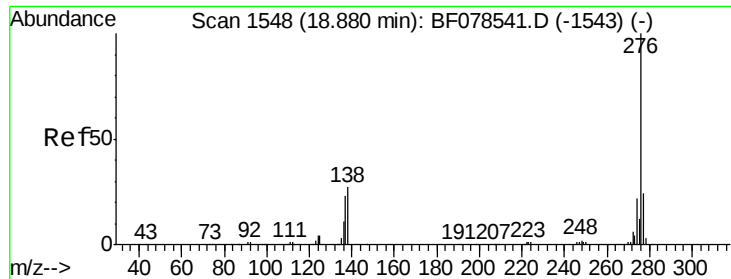
Tgt Ion:252 Resp: 163343
Ion Ratio Lower Upper
252 100
253 22.9 16.8 25.2
125 10.3 7.4 11.0



#90
Dibenzo(a,h)anthracene
Concen: 4.69 ng
RT: 18.34 min Scan# 1501
Delta R.T. 0.03 min
Lab File: BF078595.D
Acq: 17 Apr 2015 7:04

Tgt Ion:278 Resp: 31708
Ion Ratio Lower Upper
278 100
139 20.5 13.6 20.4#
279 29.6 19.0 28.6#





#91
 Benzo(g,h,i)perylene
 Concen: 15.69 ng
 RT: 18.65 min Scan# 1528
 Delta R.T. 0.05 min
 Lab File: BF078595.D
 Acq: 17 Apr 2015 7:04

Instrument :
 BNA_F
 ClientSampleId :
 HS-SB02ADL

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.0	28.4
138	24.7	19.9	29.9

