

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041615\
 Data File : BF078575.D
 Acq On : 16 Apr 2015 19:49
 Operator : TP/IZ
 Sample : G1855-01
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB12A(6-12)

Quant Time: Apr 17 01:23:19 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 00:52:22 2015
 Response via : Initial Calibration

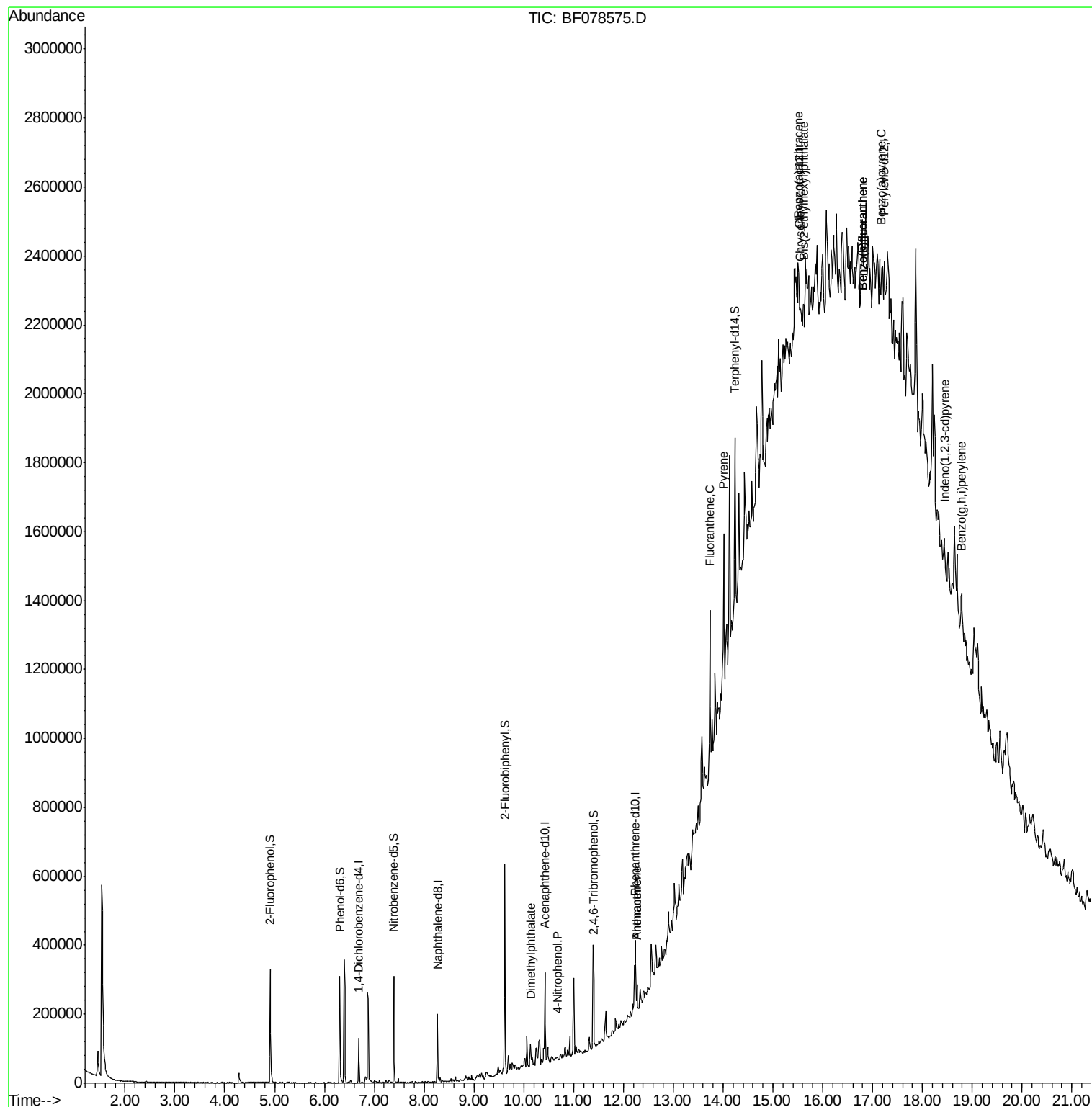
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	24179	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	99943	20.00	ng	0.00
38) Acenaphthene-d10	10.42	164	52789	20.00	ng	0.00
63) Phenanthrene-d10	12.24	188	100971	20.00	ng	0.00
75) Chrysene-d12	15.52	240	92938	20.00	ng	0.03
86) Perylene-d12	17.23	264	91914	20.00	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	4.91	112	122304	83.40	ng	0.01
7) Phenol-d6	6.31	99	160622	87.40	ng	0.01
23) Nitrobenzene-d5	7.39	82	96267	58.38	ng	0.00
41) 2,4,6-Tribromophenol	11.40	330	41232	94.18	ng	0.01
44) 2-Fluorobiphenyl	9.62	172	205062	55.53	ng	0.00
78) Terphenyl-d14	14.24	244	210847	51.26	ng	0.01
Target Compounds						Qvalue
49) Dimethylphthalate	10.14	163	21087	5.32	ng	# 98
55) 4-Nitrophenol	10.67	139	1275	4.57	ng	# 1
70) Phenanthrene	12.27	178	28623	4.90	ng	95
71) Anthracene	12.27	178	28424	4.94	ng	95
74) Fluoranthene	13.74	202	201589	32.73	ng	96
77) Pyrene	14.01	202	175026	30.00	ng	# 94
80) Benzo(a)anthracene	15.51	228	66123	11.96	ng	# 91
82) Chrysene	15.54	228	50816	9.78	ng	# 92
83) Bis(2-ethylhexyl)phthalate	15.61	149	13188	3.78	ng	# 82
85) Indeno(1,2,3-cd)pyrene	18.45	276	29847	5.06	ng	# 85
87) Benzo(b)fluoranthene	16.80	252	81868	14.41	ng	# 38
88) Benzo(k)fluoranthene	16.80	252	82083	16.26	ng	# 35
89) Benzo(a)pyrene	17.18	252	42560	8.58	ng	# 18
91) Benzo(g,h,i)perylene	18.78	276	28659	5.76	ng	# 79

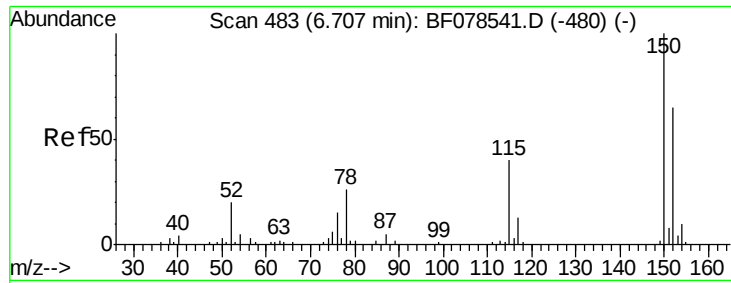
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF078575.D

Acq: 16 Apr 2015 19:49

Instrument :

BNA_F

ClientSampleId :

LS-SB12A(6-12)

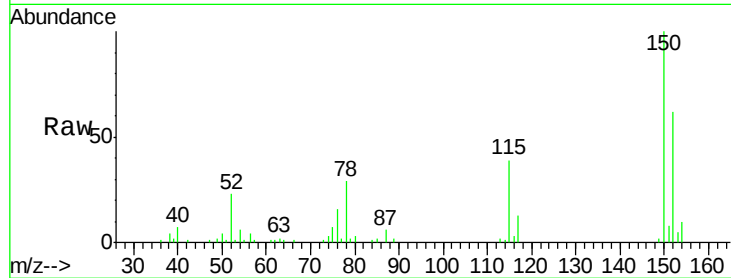
Tgt Ion:152 Resp: 24179

Ion Ratio Lower Upper

152 100

150 160.2 125.9 188.9

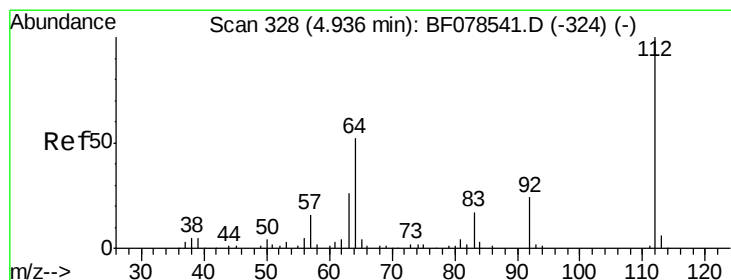
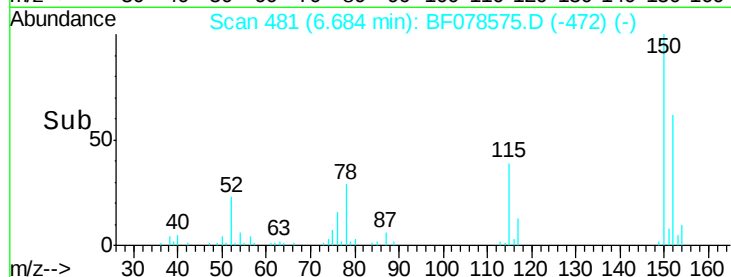
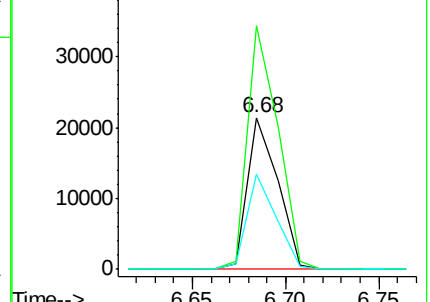
115 62.6 52.7 79.1



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: 83.40 ng

RT: 4.91 min Scan# 326

Delta R.T. 0.01 min

Lab File: BF078575.D

Acq: 16 Apr 2015 19:49

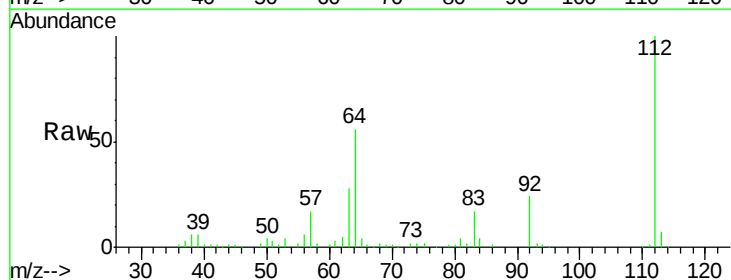
Tgt Ion:112 Resp: 122304

Ion Ratio Lower Upper

112 100

64 56.3 39.9 59.9

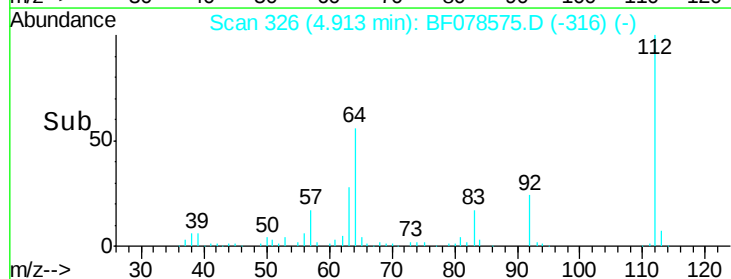
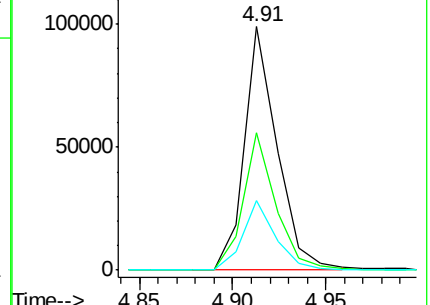
63 28.4 20.2 30.4

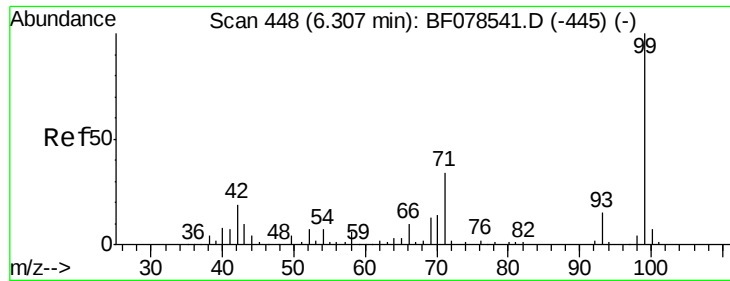


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 87.40 ng

RT: 6.31 min Scan# 448

Delta R.T. 0.01 min

Lab File: BF078575.D

Acq: 16 Apr 2015 19:49

Instrument :

BNA_F

ClientSampleId :

LS-SB12A(6-12)

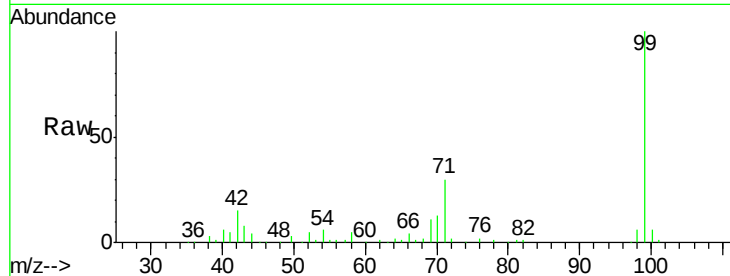
Tgt Ion: 99 Resp: 160622

Ion Ratio Lower Upper

99 100

42 14.9 14.8 22.2

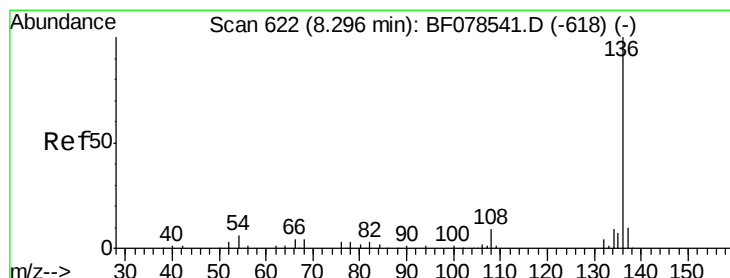
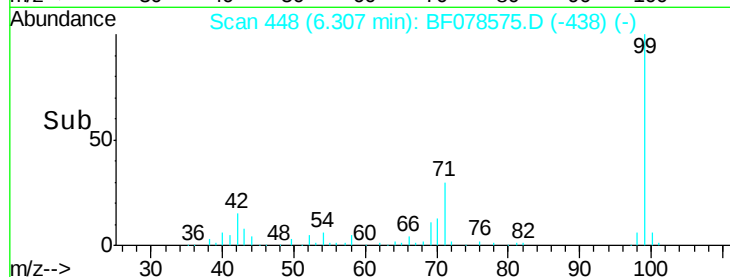
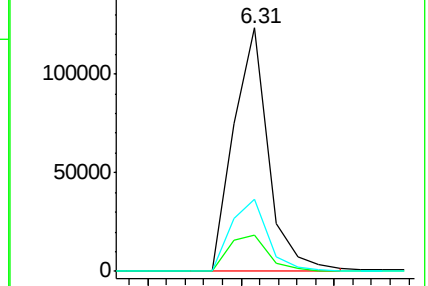
71 29.8 26.6 39.8



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: BF078575.D

Acq: 16 Apr 2015 19:49

Tgt Ion: 136 Resp: 99943

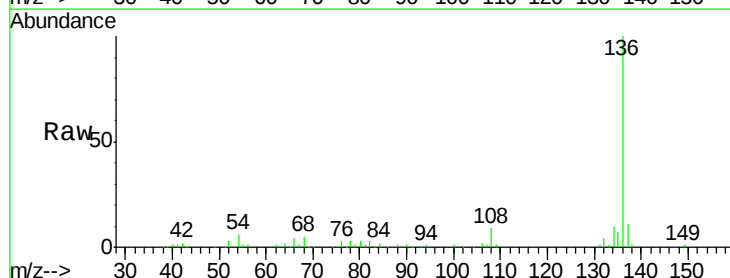
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.4

54 6.2 7.0 10.6#

68 5.1 5.4 8.2#

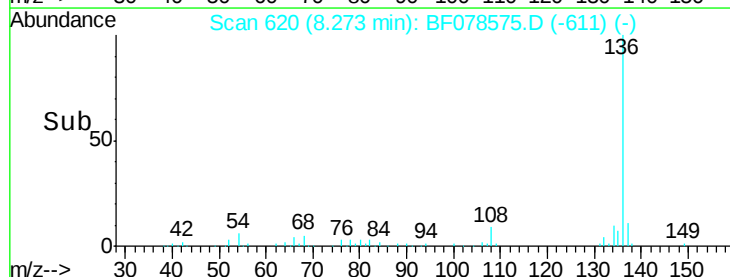
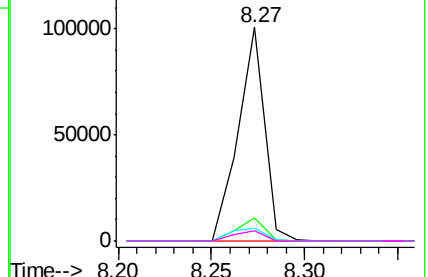


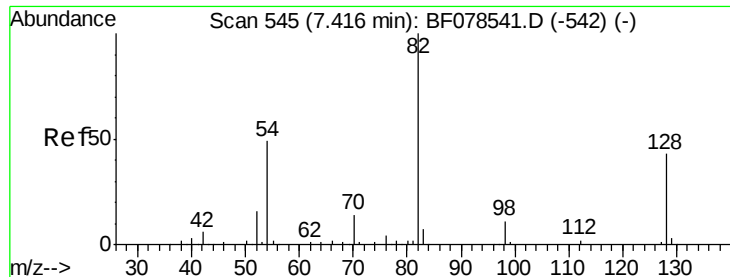
Abundance Ion 136.00 (135.70 to 136.70): E

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

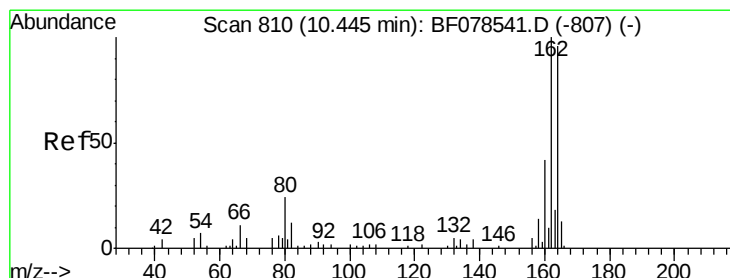
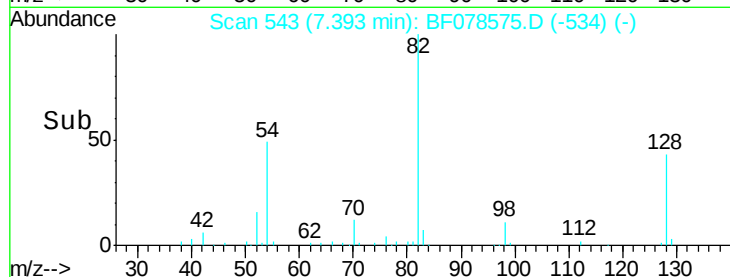
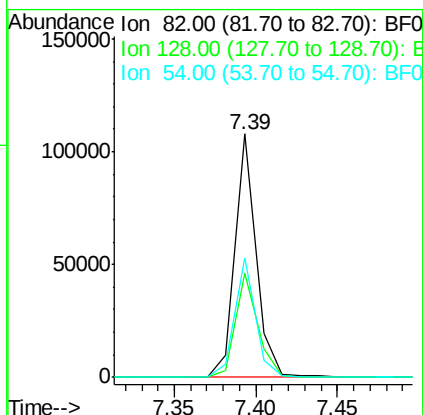
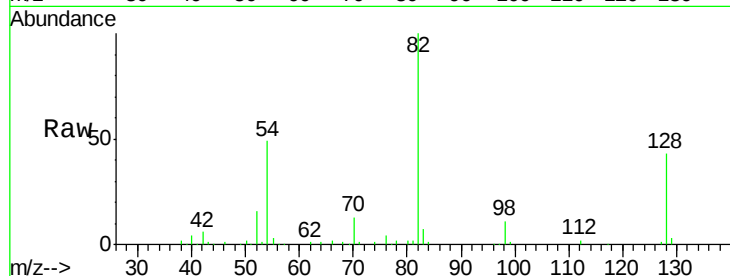




#23
 Nitrobenzene-d5
 Concen: 58.38 ng
 RT: 7.39 min Scan# 543
 Delta R.T. 0.00 min
 Lab File: BF078575.D
 Acq: 16 Apr 2015 19:49

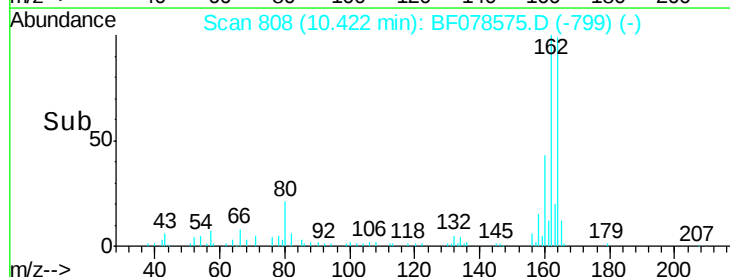
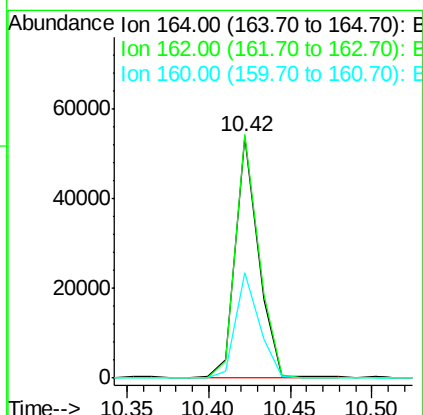
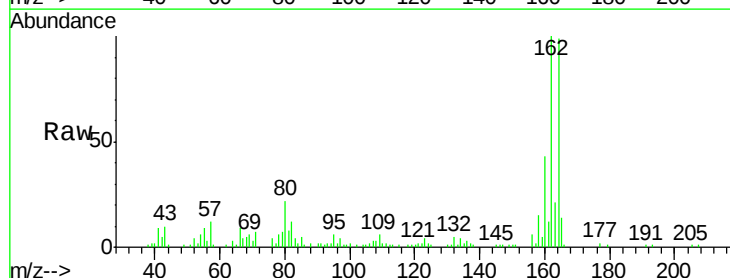
Instrument :
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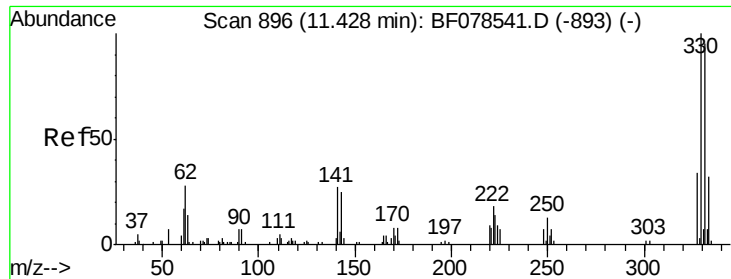
Tgt Ion	Ratio	Lower	Upper
82	100		
128	43.0	31.8	47.8
54	49.0	41.5	62.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.42 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: BF078575.D
 Acq: 16 Apr 2015 19:49

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.8	82.2	123.2
160	43.6	34.7	52.1

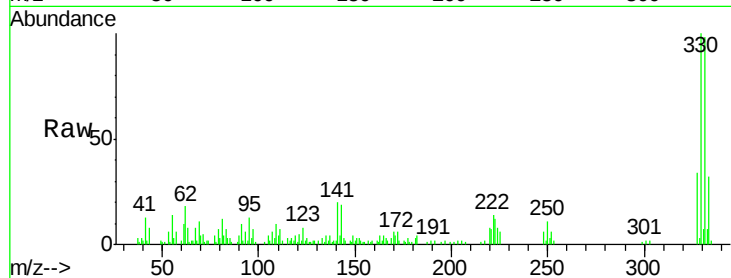




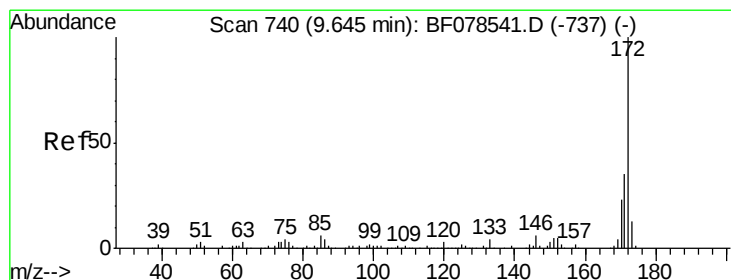
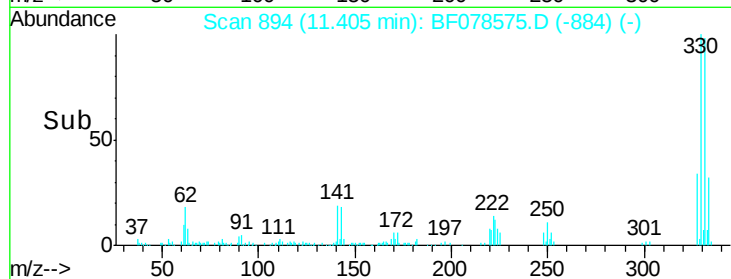
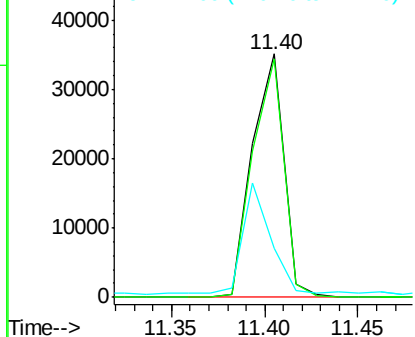
#41
 2,4,6-Tribromophenol
 Concen: 94.18 ng
 RT: 11.40 min Scan# 894
 Delta R.T. 0.01 min
 Lab File: BF078575.D
 Acq: 16 Apr 2015 19:49

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB12A(6-12)

Tgt Ion:330 Resp: 41232
 Ion Ratio Lower Upper
 330 100
 332 96.7 78.6 117.8
 141 40.1 31.2 46.8

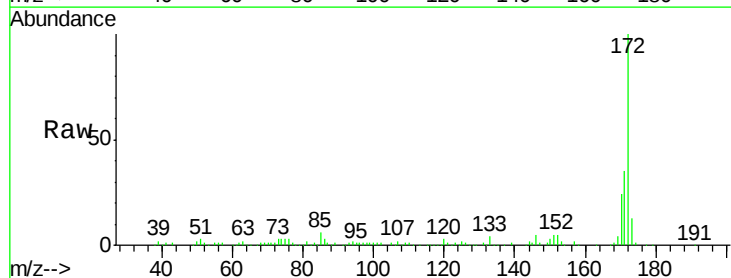


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

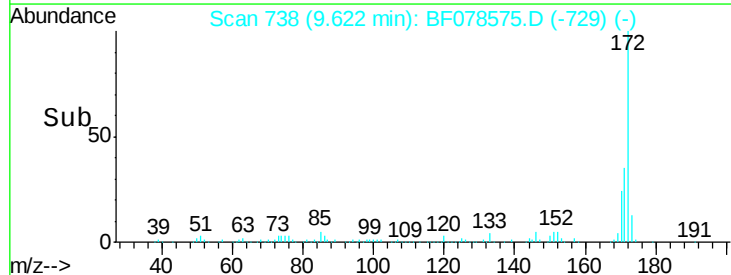
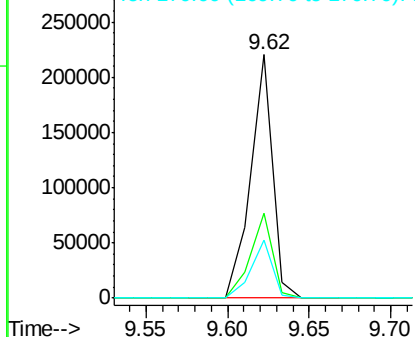


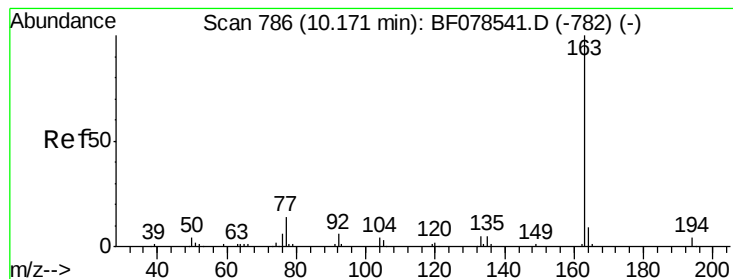
#44
 2-Fluorobiphenyl
 Concen: 55.53 ng
 RT: 9.62 min Scan# 738
 Delta R.T. 0.00 min
 Lab File: BF078575.D
 Acq: 16 Apr 2015 19:49

Tgt Ion:172 Resp: 205062
 Ion Ratio Lower Upper
 172 100
 171 34.9 28.6 42.8
 170 23.7 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





#49

Dimethylphthalate

Concen: 5.32 ng

RT: 10.14 min Scan# 783

Delta R.T. 0.00 min

Lab File: BF078575.D

Acq: 16 Apr 2015 19:49

Instrument :

BNA_F

ClientSampleId :

LS-SB12A(6-12)

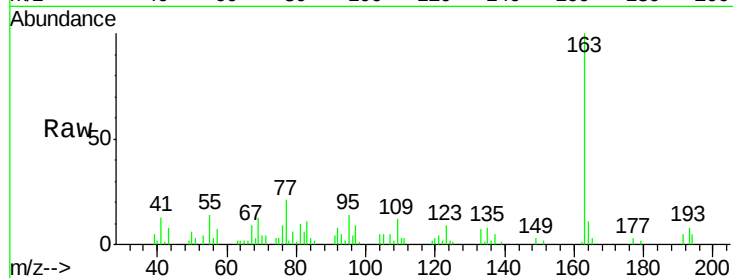
Tgt Ion:163 Resp: 21087

Ion Ratio Lower Upper

163 100

194 5.1 2.3 3.5#

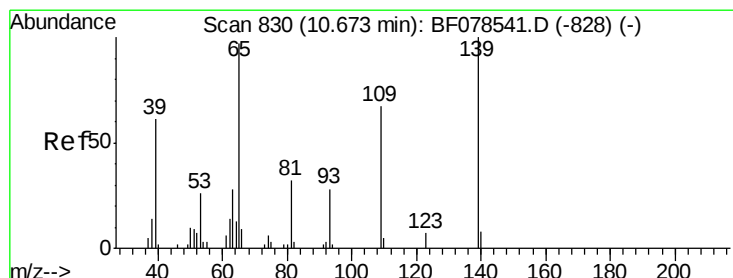
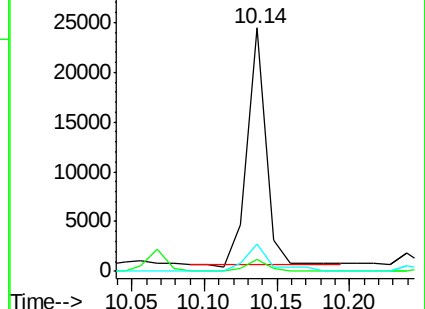
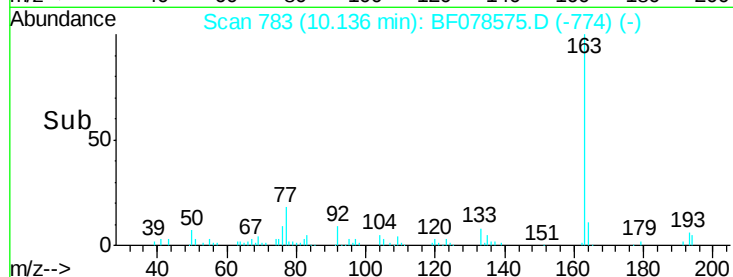
164 11.1 8.6 13.0



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#55

4-Nitrophenol

Concen: 4.57 ng

RT: 10.67 min Scan# 830

Delta R.T. 0.02 min

Lab File: BF078575.D

Acq: 16 Apr 2015 19:49

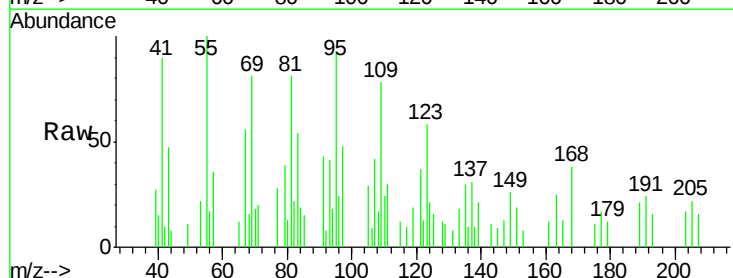
Tgt Ion:139 Resp: 1275

Ion Ratio Lower Upper

139 100

109 372.4 36.7 76.7#

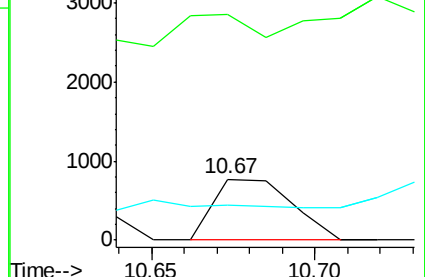
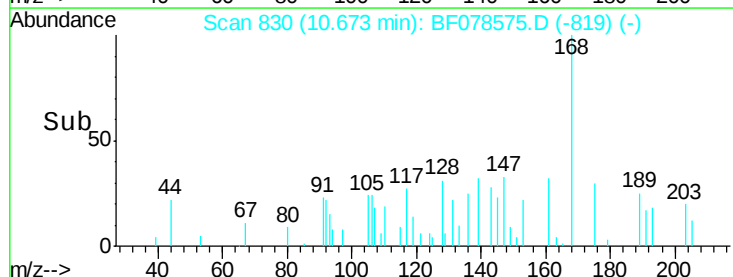
65 57.4 49.9 89.9

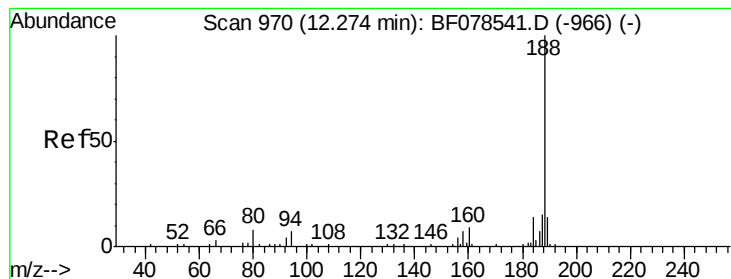


Abundance Ion 139.00 (138.70 to 139.70): E

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: BF078575.D

Acq: 16 Apr 2015 19:49

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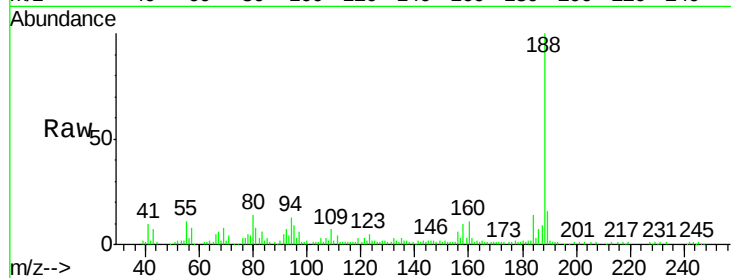
Tgt Ion:188 Resp: 100971

Ion Ratio Lower Upper

188 100

94 13.5 9.0 13.4#

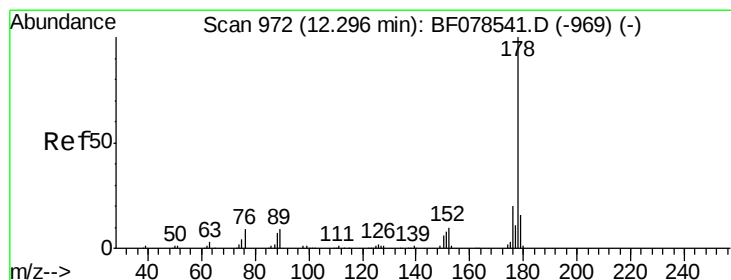
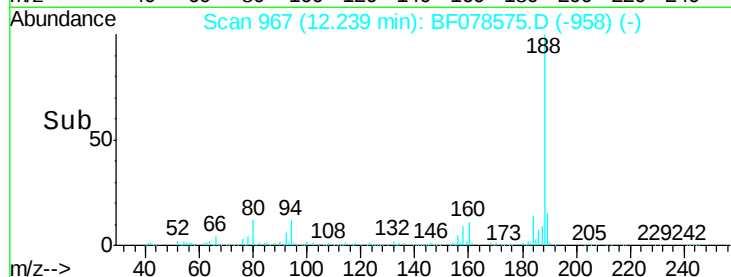
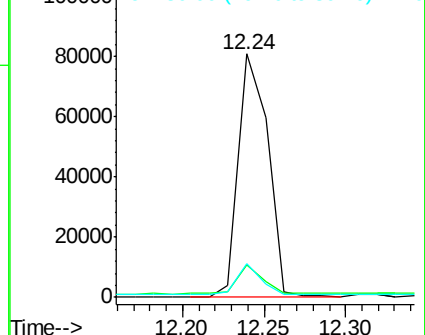
80 13.7 9.5 14.3



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



#70

Phenanthrene

Concen: 4.90 ng

RT: 12.27 min Scan# 970

Delta R.T. 0.00 min

Lab File: BF078575.D

Acq: 16 Apr 2015 19:49

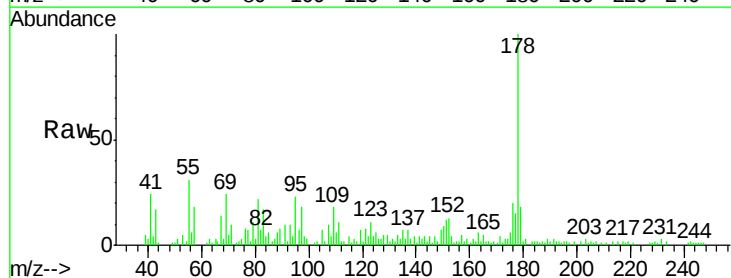
Tgt Ion:178 Resp: 28623

Ion Ratio Lower Upper

178 100

176 20.5 15.4 23.0

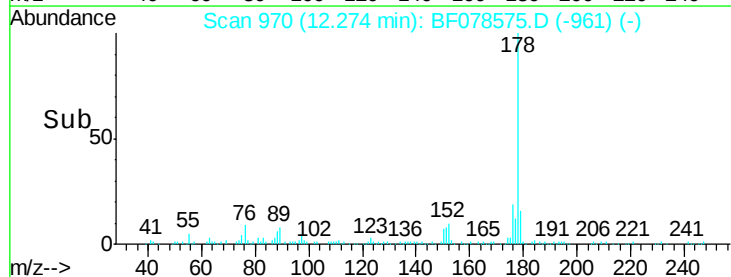
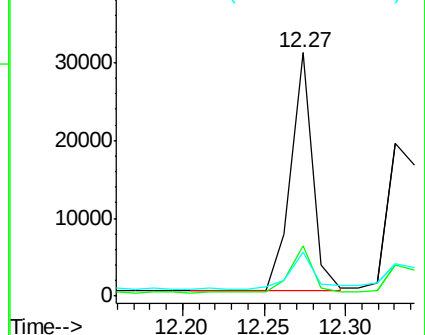
179 18.1 12.2 18.2

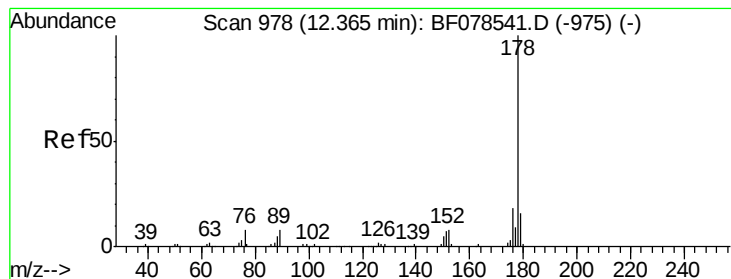


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 4.94 ng

RT: 12.27 min Scan# 970

Delta R.T. -0.06 min

Lab File: BF078575.D

Acq: 16 Apr 2015 19:49

Instrument :

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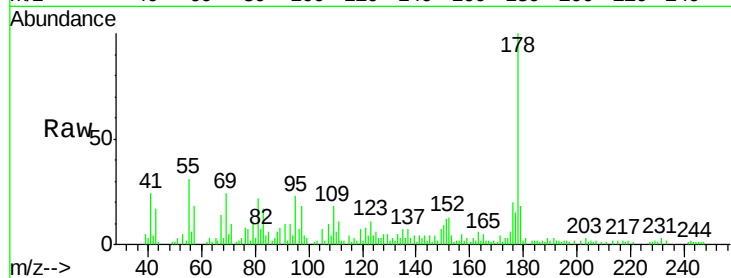
Tgt Ion:178 Resp: 28424

Ion Ratio Lower Upper

178 100

176 20.5 14.8 22.2

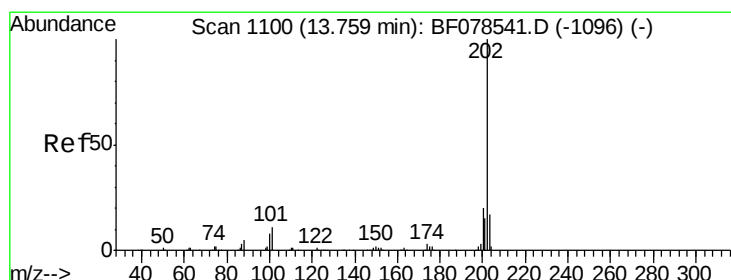
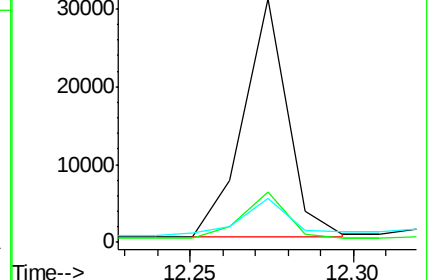
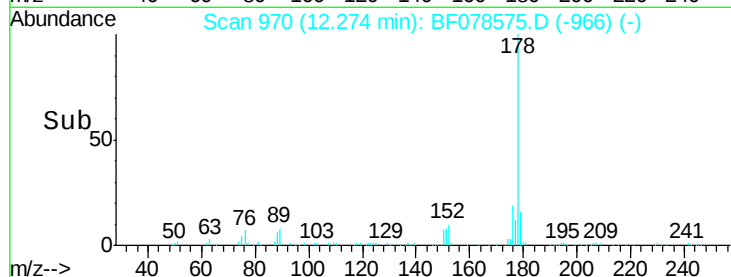
179 18.1 12.4 18.6



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



#74

Fluoranthene

Concen: 32.73 ng

RT: 13.74 min Scan# 1098

Delta R.T. 0.01 min

Lab File: BF078575.D

Acq: 16 Apr 2015 19:49

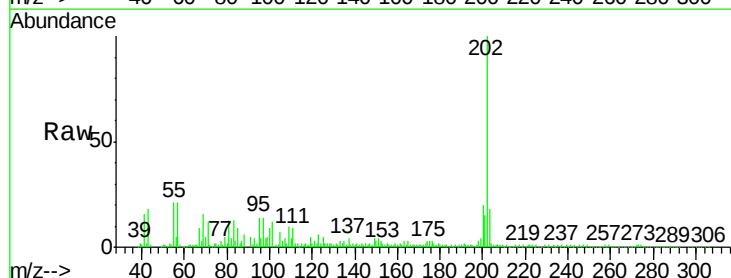
Tgt Ion:202 Resp: 201589

Ion Ratio Lower Upper

202 100

101 11.8 0.0 35.2

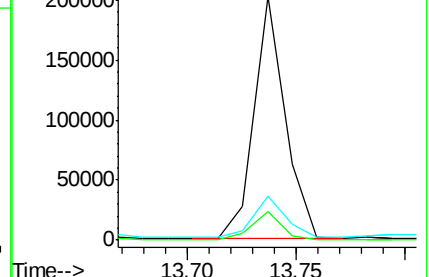
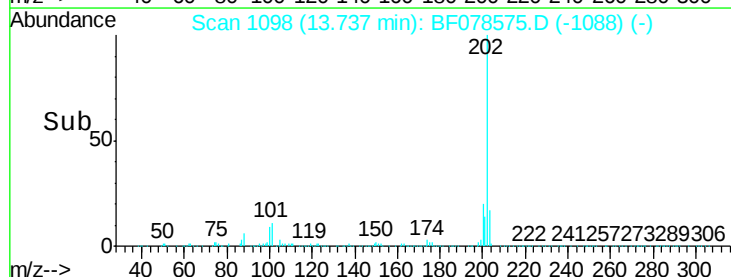
203 18.3 0.0 38.5

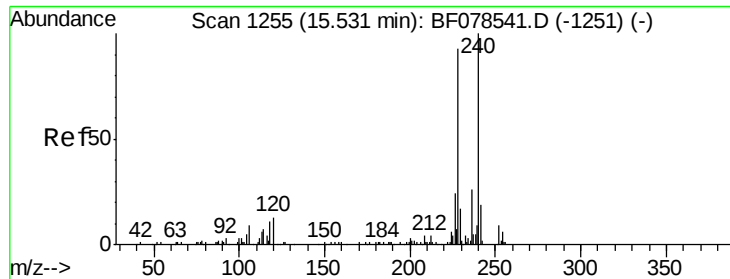


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

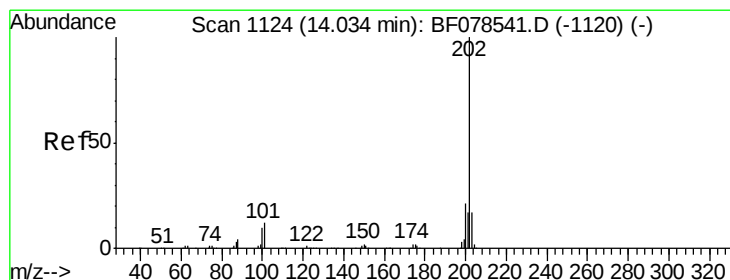
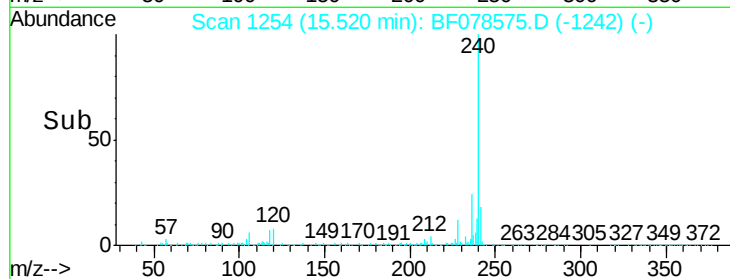
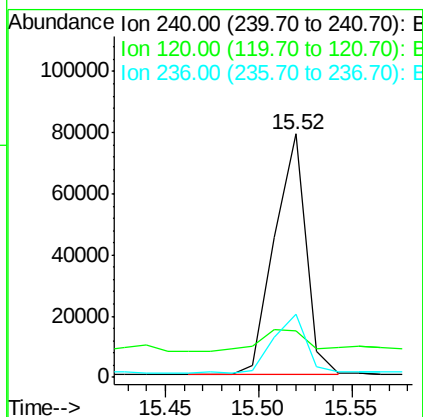
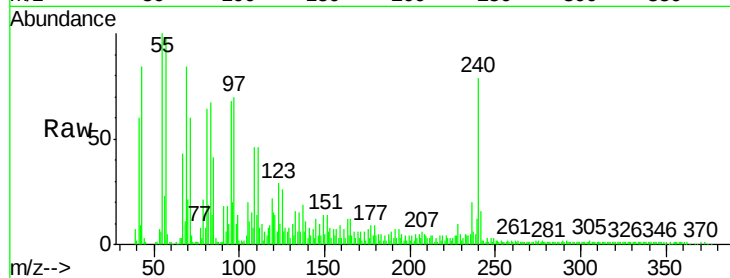




#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.52 min Scan# 1254
Delta R.T. 0.03 min
Lab File: BF078575.D
Acq: 16 Apr 2015 19:49

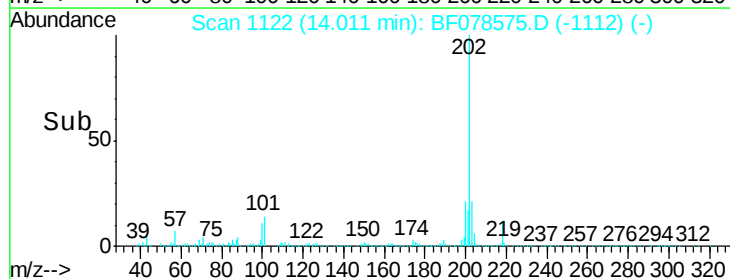
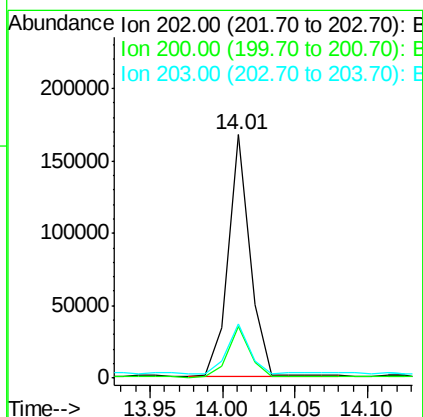
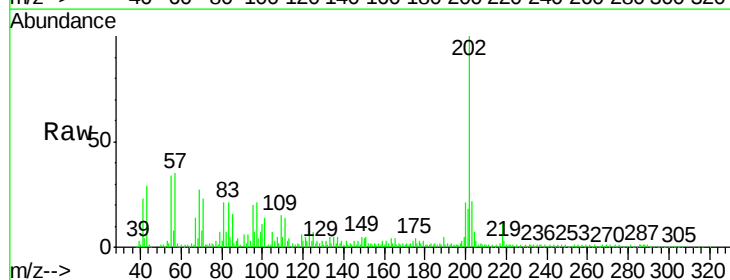
Instrument :
BNA_F
ClientSampleId :
LS-SB12A(6-12)

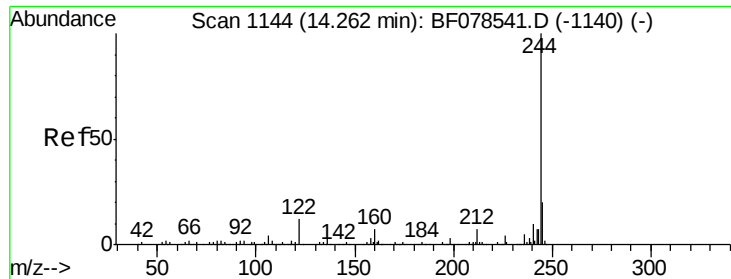
Tgt Ion:240 Resp: 92938
Ion Ratio Lower Upper
240 100
120 19.2 7.1 10.7#
236 26.0 21.4 32.2



#77
Pyrene
Concen: 30.00 ng
RT: 14.01 min Scan# 1122
Delta R.T. 0.01 min
Lab File: BF078575.D
Acq: 16 Apr 2015 19:49

Tgt Ion:202 Resp: 175026
Ion Ratio Lower Upper
202 100
200 21.3 16.3 24.5
203 22.3 13.8 20.6#





#78

Terphenyl-d14

Concen: 51.26 ng

RT: 14.24 min Scan# 1142

Delta R.T. 0.01 min

Lab File: BF078575.D

Acq: 16 Apr 2015 19:49

Instrument :

BNA_F

ClientSampleId :

LS-SB12A(6-12)

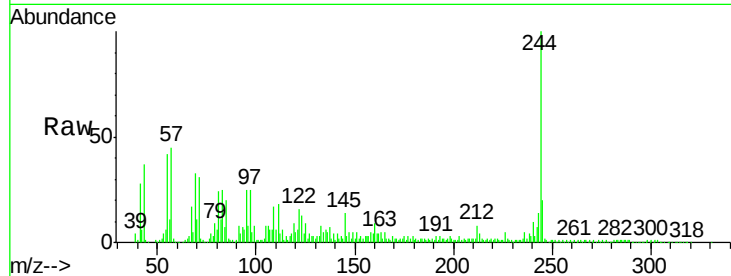
Tgt Ion:244 Resp: 210847

Ion Ratio Lower Upper

244 100

212 7.6 5.0 7.4#

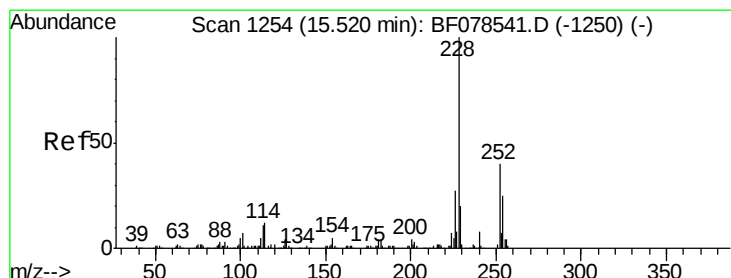
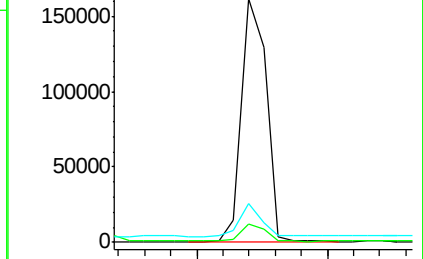
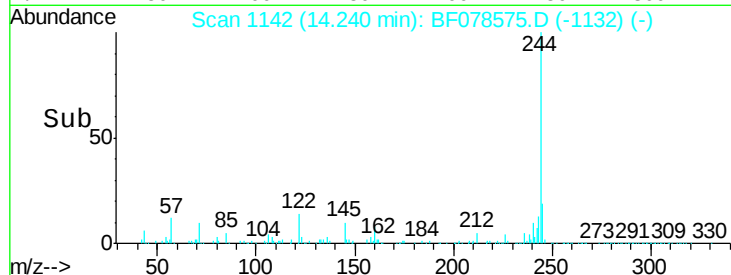
122 16.1 7.1 10.7#



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: 11.96 ng

RT: 15.51 min Scan# 1253

Delta R.T. 0.03 min

Lab File: BF078575.D

Acq: 16 Apr 2015 19:49

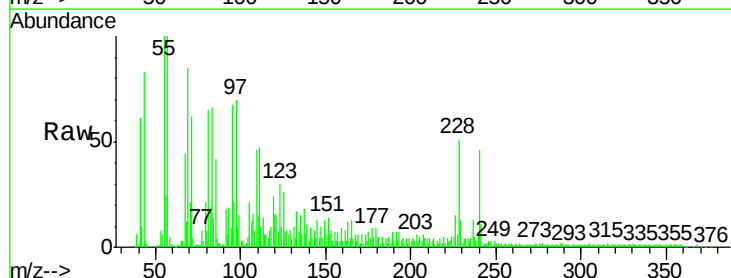
Tgt Ion:228 Resp: 66123

Ion Ratio Lower Upper

228 100

226 29.9 21.3 31.9

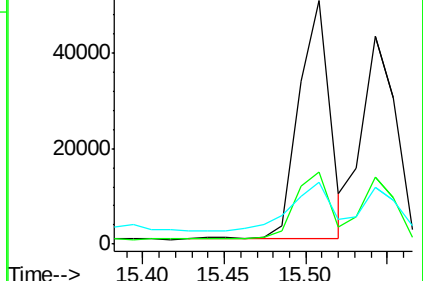
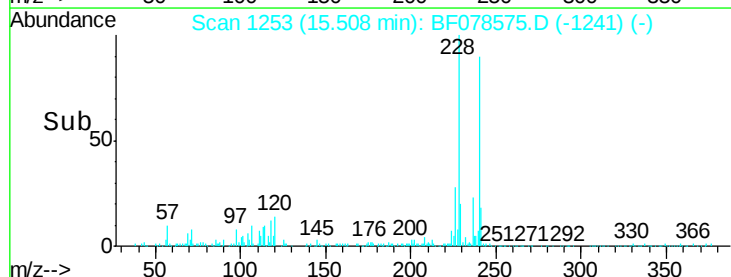
229 25.5 15.4 23.2#

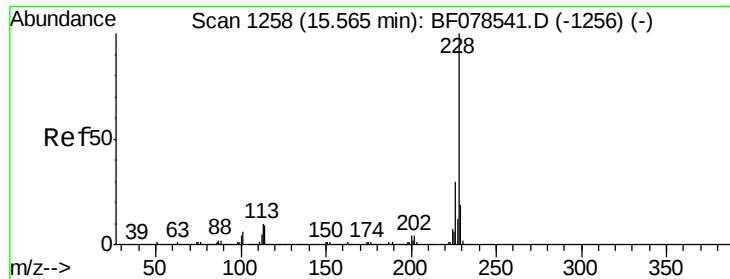


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 9.78 ng

RT: 15.54 min Scan# 1256

Delta R.T. 0.02 min

Lab File: BF078575.D

Acq: 16 Apr 2015 19:49

Instrument :

BNA_F

ClientSampleId :

LS-SB12A(6-12)

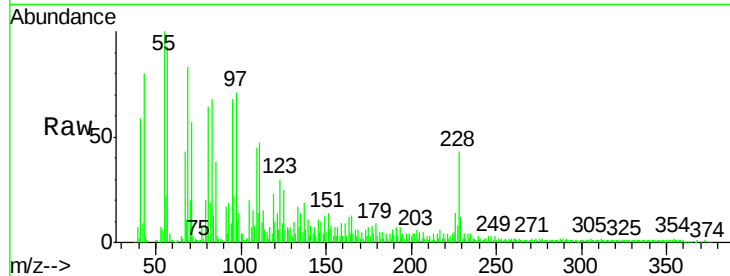
Tgt Ion: 228 Resp: 50816

Ion Ratio Lower Upper

228 100

226 31.9 24.2 36.4

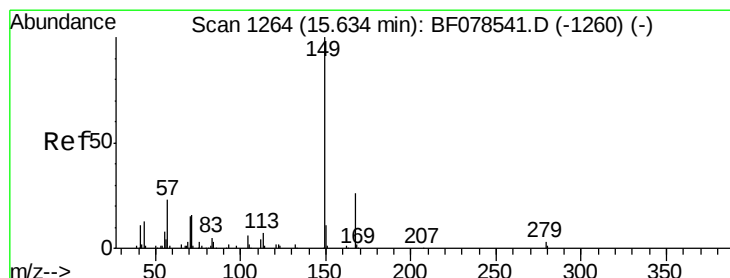
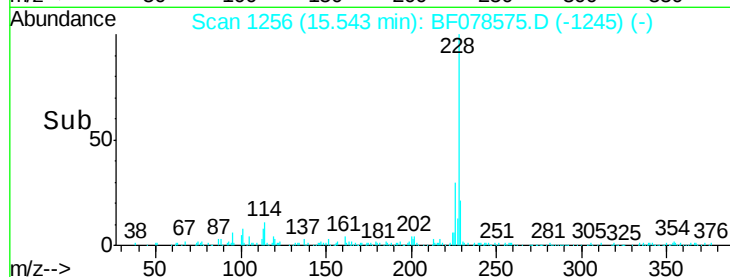
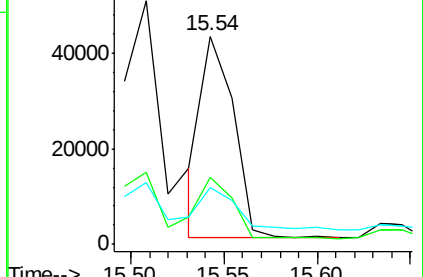
229 27.3 15.8 23.8#



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.78 ng

RT: 15.61 min Scan# 1262

Delta R.T. 0.02 min

Lab File: BF078575.D

Acq: 16 Apr 2015 19:49

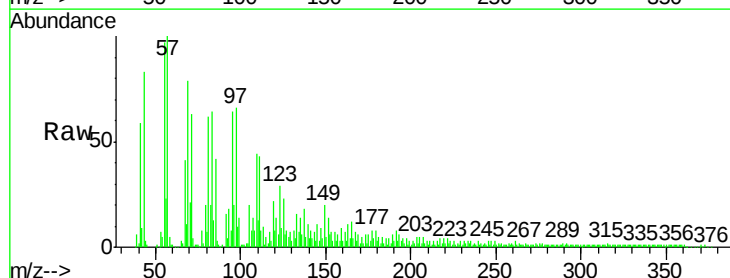
Tgt Ion: 149 Resp: 13188

Ion Ratio Lower Upper

149 100

167 37.7 22.2 33.2#

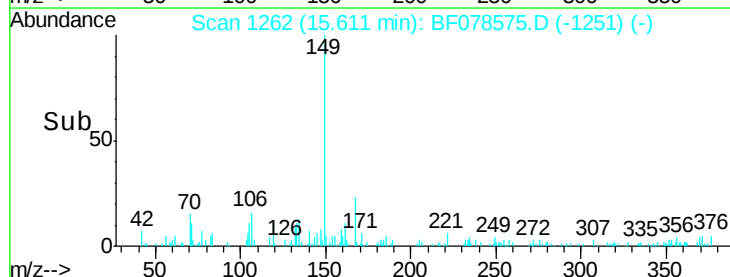
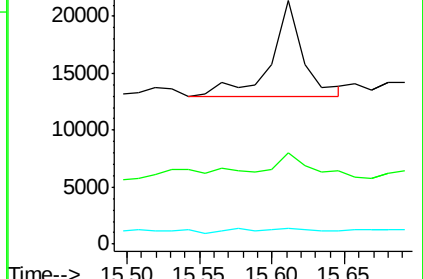
279 6.4 3.2 4.8#

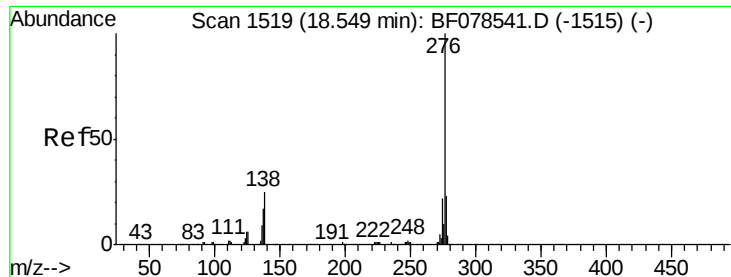


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

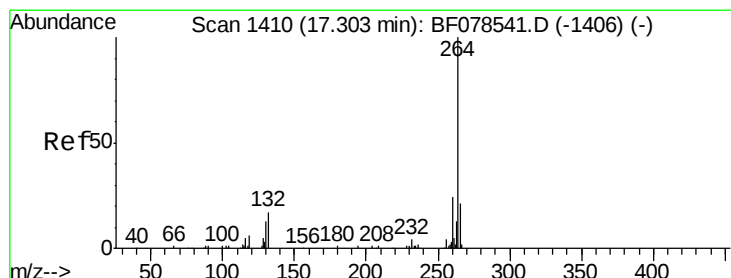
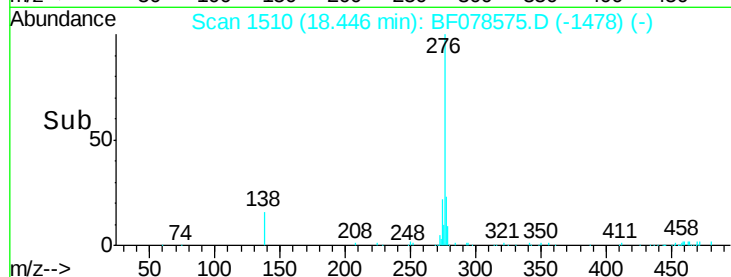
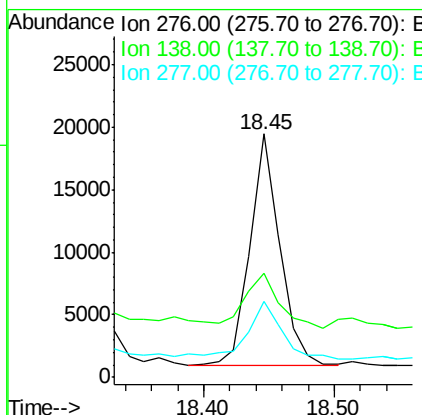
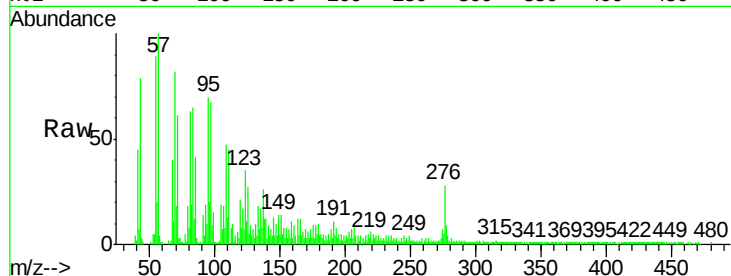




#85
Indeno(1,2,3-cd)pyrene
Concen: 5.06 ng
RT: 18.45 min Scan# 1510
Delta R.T. 0.07 min
Lab File: BF078575.D
Acq: 16 Apr 2015 19:49

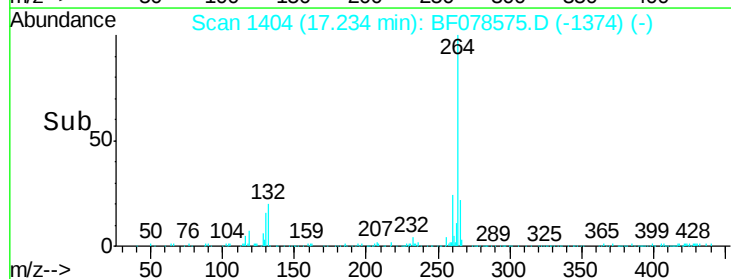
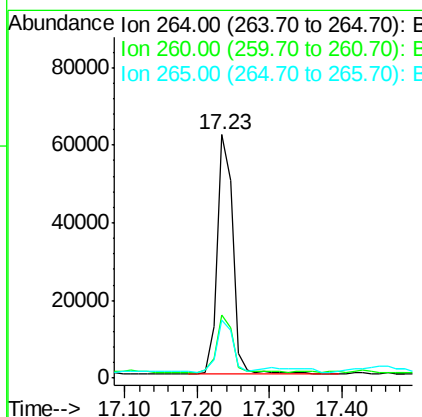
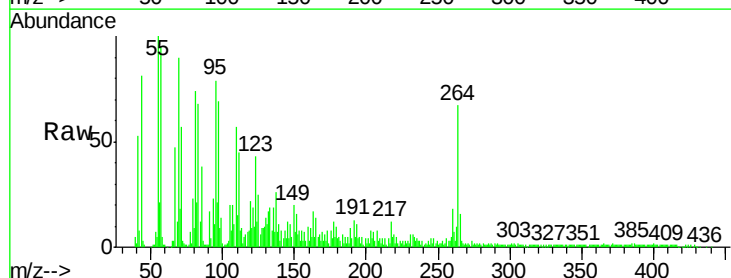
Instrument :
BNA_F
ClientSampleId :
LS-SB12A(6-12)

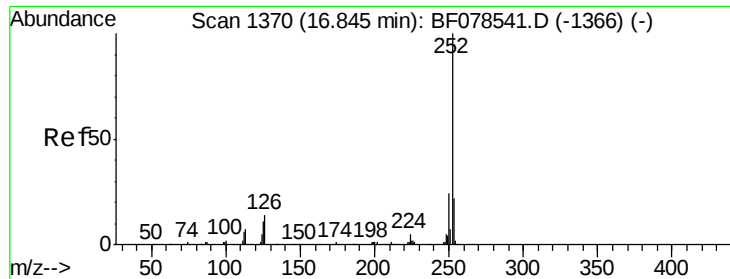
Tgt Ion: 276 Resp: 29847
Ion Ratio Lower Upper
276 100
138 26.8 16.9 25.3#
277 28.0 15.8 23.6#



#86
Perylene-d12
Concen: 20.00 ng
RT: 17.23 min Scan# 1404
Delta R.T. 0.05 min
Lab File: BF078575.D
Acq: 16 Apr 2015 19:49

Tgt Ion: 264 Resp: 91914
Ion Ratio Lower Upper
264 100
260 26.2 18.6 27.8
265 23.6 17.0 25.6





#87

Benzo(b)fluoranthene

Concen: 14.41 ng

RT: 16.80 min Scan# 1366

Delta R.T. 0.05 min

Lab File: BF078575.D

Acq: 16 Apr 2015 19:49

Instrument :

BNA_F

ClientSampleId :

LS-SB12A(6-12)

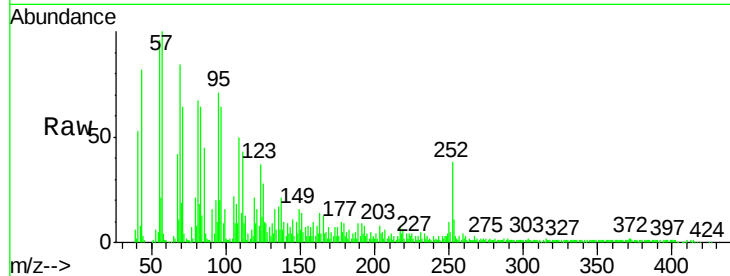
Tgt Ion:252 Resp: 81868

Ion Ratio Lower Upper

252 100

253 28.6 17.2 25.8#

125 73.0 7.0 10.4#



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

Time-->

16.75 16.80 16.85

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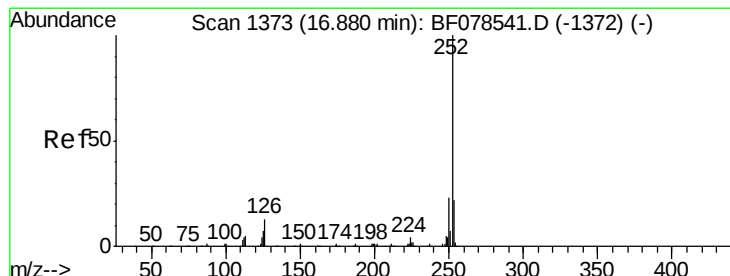
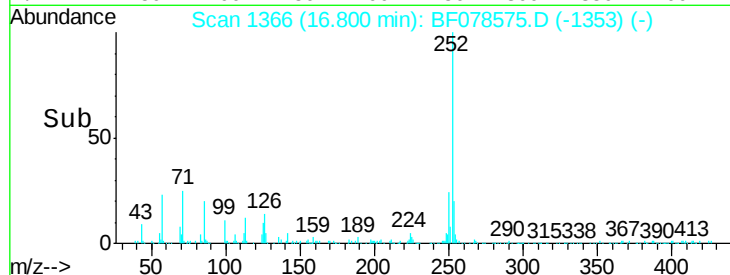
16.80

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#88

Benzo(k)fluoranthene

Concen: 16.26 ng

RT: 16.80 min Scan# 1366

Delta R.T. 0.01 min

Lab File: BF078575.D

Acq: 16 Apr 2015 19:49

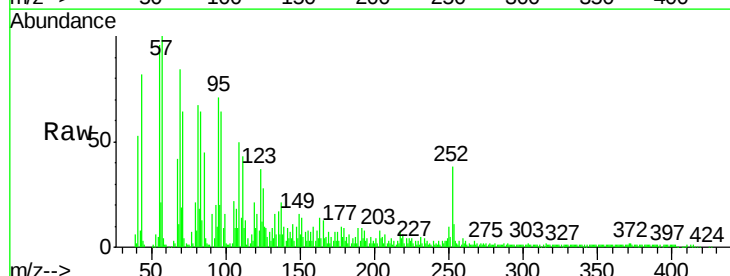
Tgt Ion:252 Resp: 82083

Ion Ratio Lower Upper

252 100

253 28.6 17.5 26.3#

125 73.0 11.6 17.4#



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

Time-->

16.75 16.80 16.85

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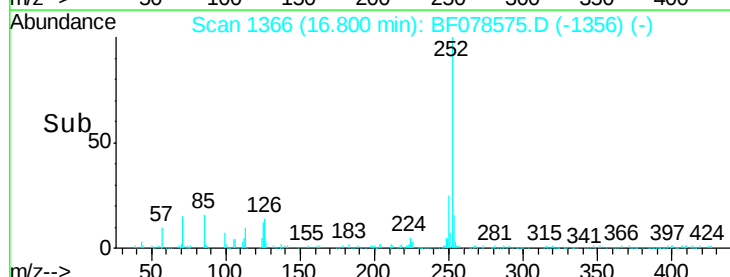
16.80

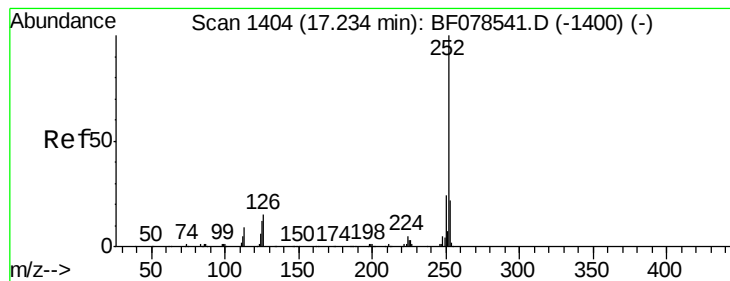
16.80

16.80

16.80

16.80





#89

Benzo(a)pyrene

Concen: 8.58 ng

RT: 17.18 min Scan# 1399

Delta R.T. 0.05 min

Lab File: BF078575.D

Acq: 16 Apr 2015 19:49

Instrument :

BNA_F

ClientSampleId :

LS-SB12A(6-12)

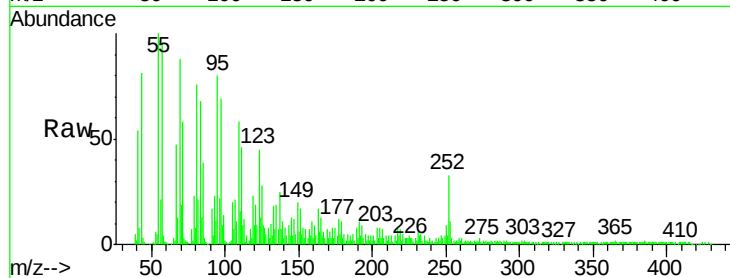
Tgt Ion:252 Resp: 42560

Ion Ratio Lower Upper

252 100

253 33.5 16.8 25.2#

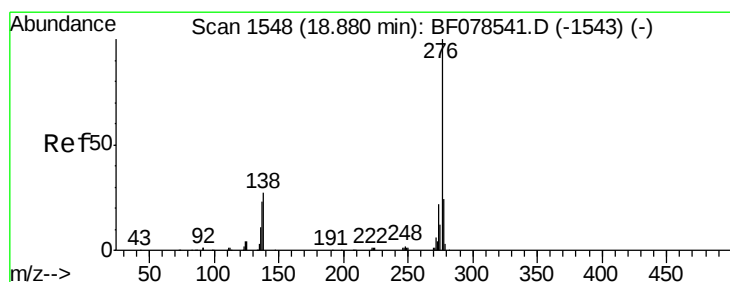
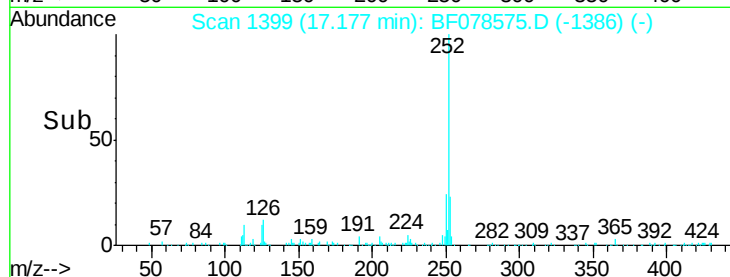
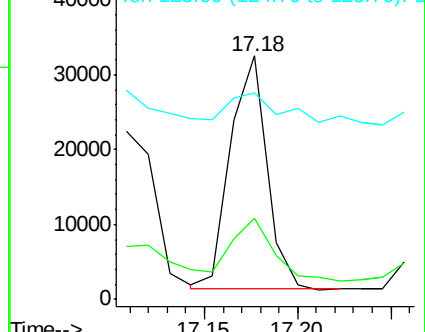
125 84.7 7.4 11.0#



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



#91

Benzo(g,h,i)perylene

Concen: 5.76 ng

RT: 18.78 min Scan# 1539

Delta R.T. 0.07 min

Lab File: BF078575.D

Acq: 16 Apr 2015 19:49

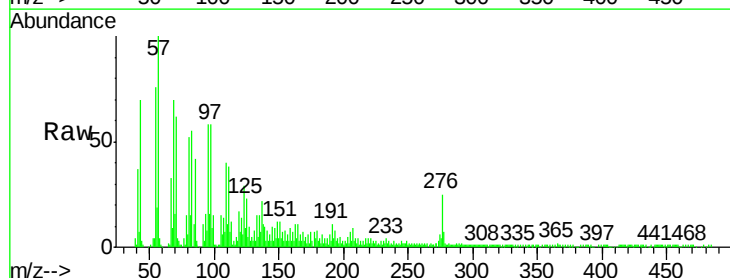
Tgt Ion:276 Resp: 28659

Ion Ratio Lower Upper

276 100

277 27.0 19.0 28.4

138 42.6 19.9 29.9#



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

