

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041715\
 Data File : BF078643.D
 Acq On : 18 Apr 2015 14:16
 Operator : TP/IZ
 Sample : G1902-01
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB18A

Quant Time: Apr 20 01:00:33 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Apr 18 05:04:14 2015
 Response via : Initial Calibration

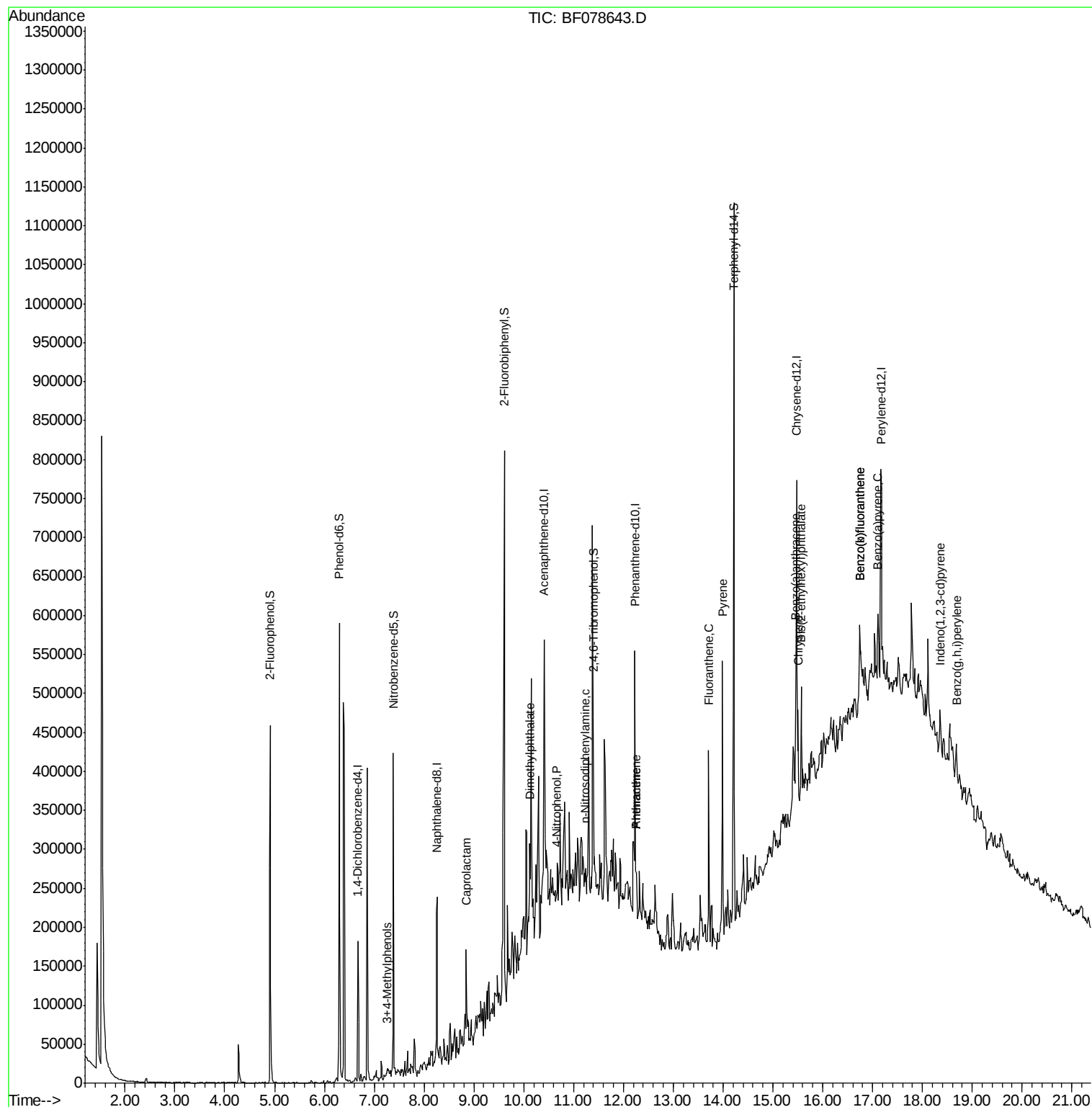
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	30929	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	132052	20.00	ng	0.01
38) Acenaphthene-d10	10.41	164	67707	20.00	ng	0.00
63) Phenanthrene-d10	12.23	188	138460	20.00	ng	0.01
75) Chrysene-d12	15.47	240	159474	20.00	ng	0.01
86) Perylene-d12	17.18	264	167080	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	4.91	112	188954	100.73	ng	0.01
7) Phenol-d6	6.30	99	236246	100.49	ng	0.01
23) Nitrobenzene-d5	7.38	82	137550	63.14	ng	0.00
41) 2,4,6-Tribromophenol	11.39	330	61308	109.18	ng	0.01
44) 2-Fluorobiphenyl	9.61	172	266437	56.25	ng	0.01
78) Terphenyl-d14	14.22	244	322818	45.74	ng	0.01
Target Compounds						Qvalue
20) 3+4-Methylphenols	7.27	107	5061	2.20	ng	98
35) Caprolactam	8.84	113	2914	5.32	ng	# 1
49) Dimethylphthalate	10.12	163	18834	3.70	ng	# 97
55) 4-Nitrophenol	10.66	139	2119	5.10	ng	# 5
65) n-Nitrosodiphenylamine	11.24	169	16539	3.45	ng	# 50
70) Phenanthrene	12.26	178	36990	4.62	ng	# 95
71) Anthracene	12.26	178	33655	4.26	ng	95
74) Fluoranthene	13.71	202	104767	12.40	ng	96
77) Pyrene	13.99	202	146046	14.59	ng	97
80) Benzo(a)anthracene	15.46	228	62233	6.56	ng	93
82) Chrysene	15.51	228	50715	5.69	ng	97
83) Bis(2-ethylhexyl)phthalate	15.57	149	58285	9.74	ng	# 97
85) Indeno(1,2,3-cd)pyrene	18.35	276	31037	3.07	ng	# 84
87) Benzo(b)fluoranthene	16.74	252	88496	8.57	ng	# 85
88) Benzo(k)fluoranthene	16.74	252	89794	9.79	ng	# 89
89) Benzo(a)pyrene	17.11	252	46121	5.12	ng	# 80
91) Benzo(g,h,i)perylene	18.69	276	28229	3.12	ng	97

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

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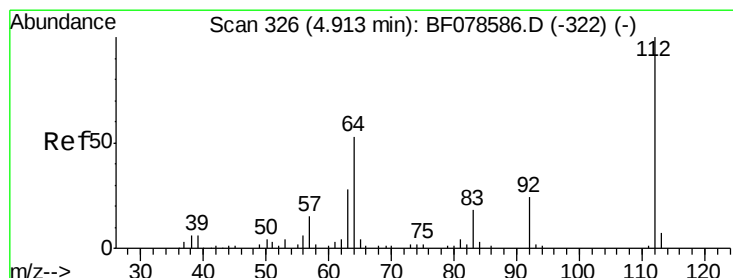
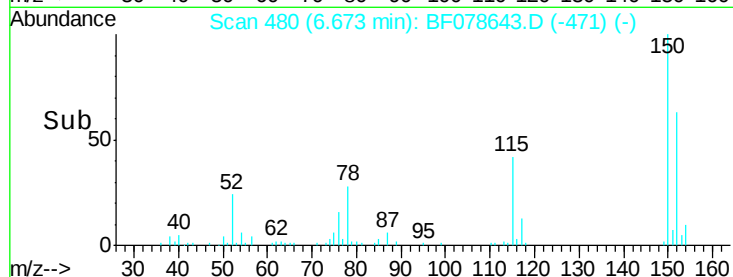
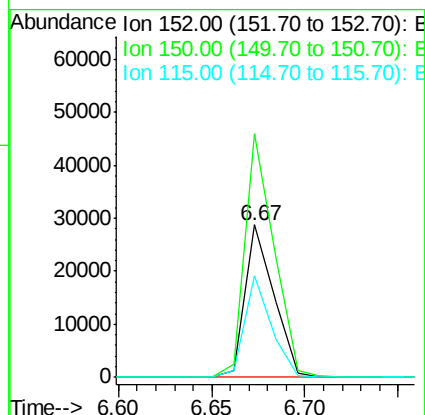
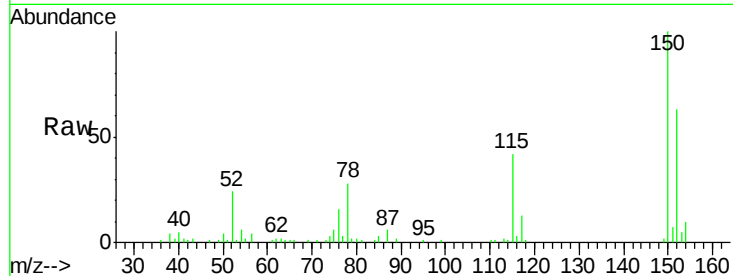




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.67 min Scan# 480
 Delta R.T. 0.00 min
 Lab File: BF078643.D
 Acq: 18 Apr 2015 14:16

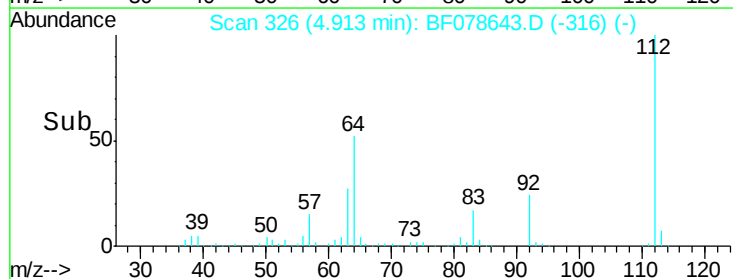
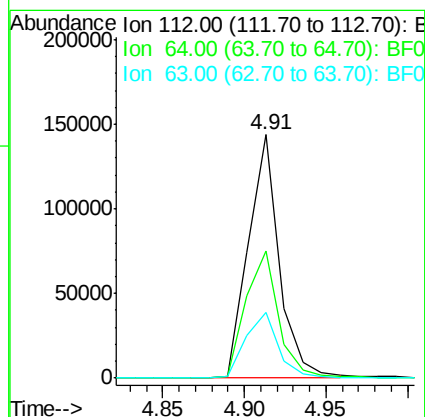
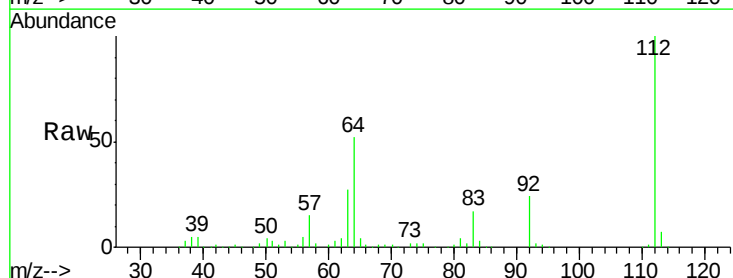
Instrument :
 BNA_F
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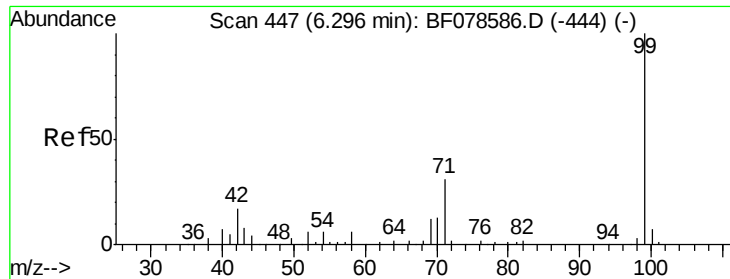
Tgt Ion:152 Resp: 30929
 Ion Ratio Lower Upper
 152 100
 150 159.6 125.9 188.9
 115 66.9 52.7 79.1



#5
 2-Fluorophenol
 Concen: 100.73 ng
 RT: 4.91 min Scan# 326
 Delta R.T. 0.01 min
 Lab File: BF078643.D
 Acq: 18 Apr 2015 14:16

Tgt Ion:112 Resp: 188954
 Ion Ratio Lower Upper
 112 100
 64 52.1 39.9 59.9
 63 27.1 20.2 30.4





#7

Phenol-d6

Concen: 100.49 ng

RT: 6.30 min Scan# 447

Delta R.T. 0.01 min

Lab File: BF078643.D

Acq: 18 Apr 2015 14:16

Instrument :

BNA_F

ClientSampleId :

LS-SB18A

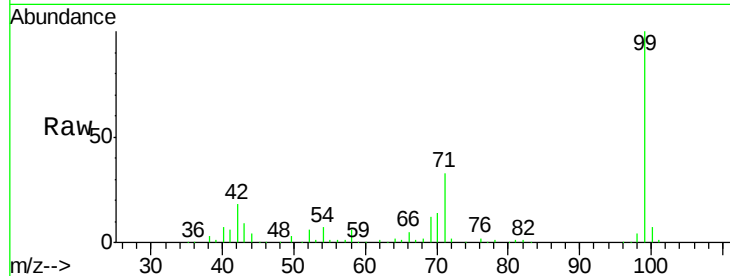
Tgt Ion: 99 Resp: 236246

Ion Ratio Lower Upper

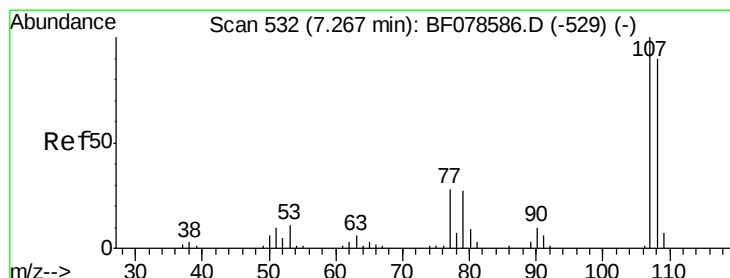
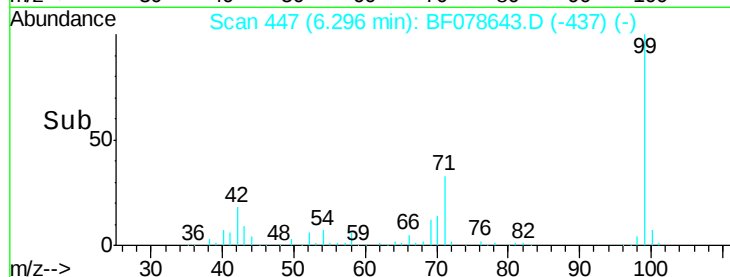
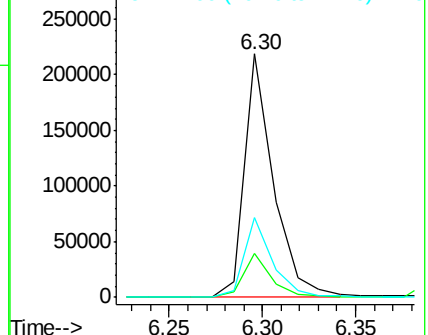
99 100

42 18.0 14.8 22.2

71 32.9 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



#20

3+4-Methylphenols

Concen: 2.20 ng

RT: 7.27 min Scan# 532

Delta R.T. 0.01 min

Lab File: BF078643.D

Acq: 18 Apr 2015 14:16

Tgt Ion: 107 Resp: 5061

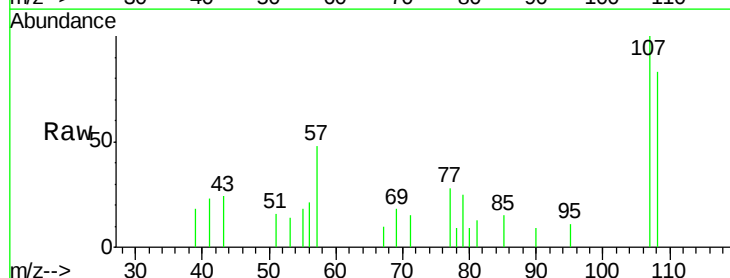
Ion Ratio Lower Upper

107 100

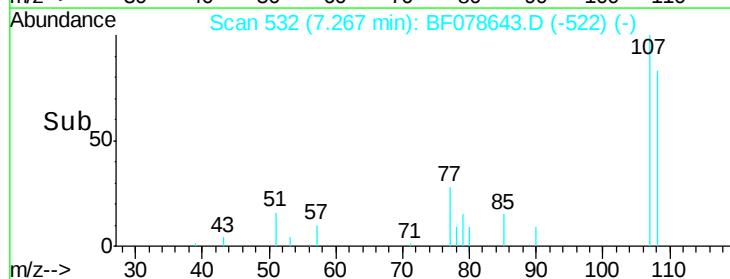
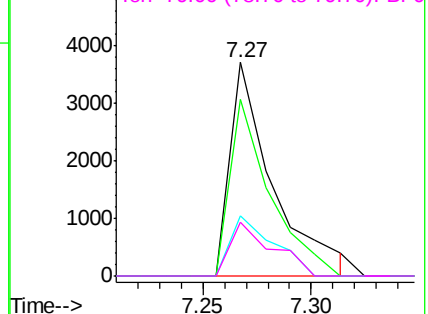
108 82.7 64.4 104.4

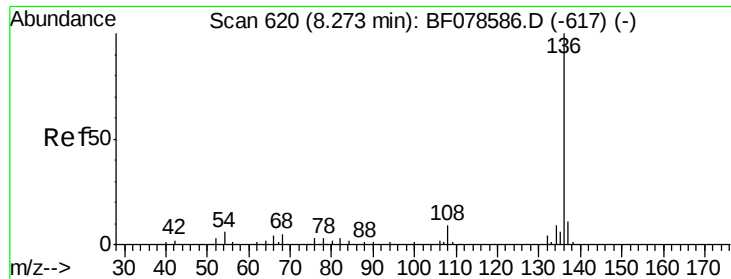
77 28.0 9.7 49.7

79 25.5 4.0 44.0



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF0
Ion 79.00 (78.70 to 79.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.26 min Scan# 619

Delta R.T. 0.01 min

Lab File: BF078643.D

Acq: 18 Apr 2015 14:16

Instrument :

BNA_F

ClientSampleId :

LS-SB18A

Tgt Ion:136 Resp: 132052

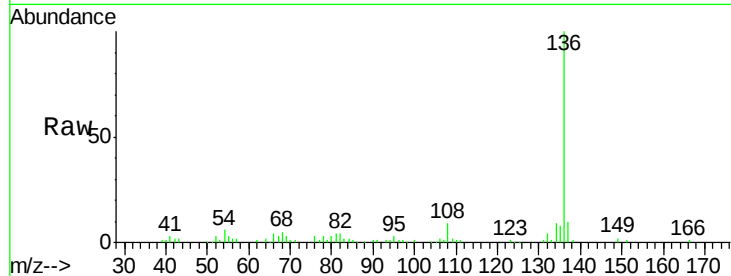
Ion Ratio Lower Upper

136 100

137 10.3 9.0 13.4

54 5.7 7.0 10.6#

68 5.2 5.4 8.2#

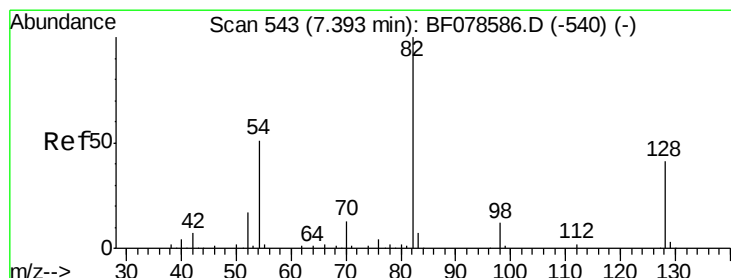
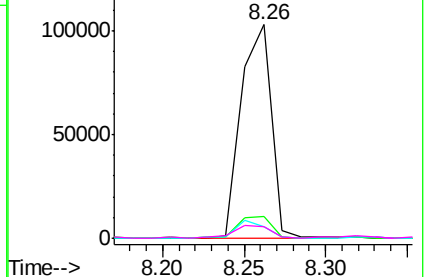
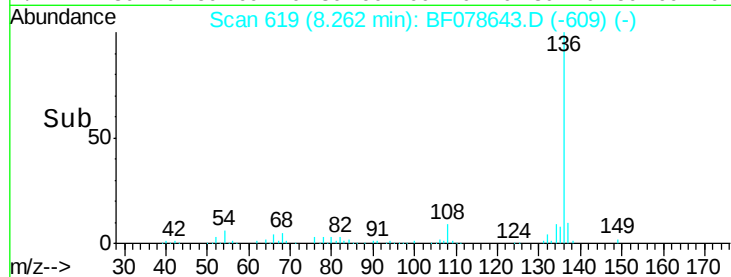


Abundance Ion 136.00 (135.70 to 136.70): E

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: 63.14 ng

RT: 7.38 min Scan# 542

Delta R.T. 0.00 min

Lab File: BF078643.D

Acq: 18 Apr 2015 14:16

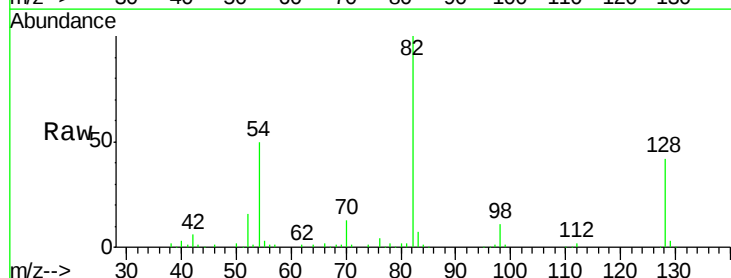
Tgt Ion: 82 Resp: 137550

Ion Ratio Lower Upper

82 100

128 41.5 31.8 47.8

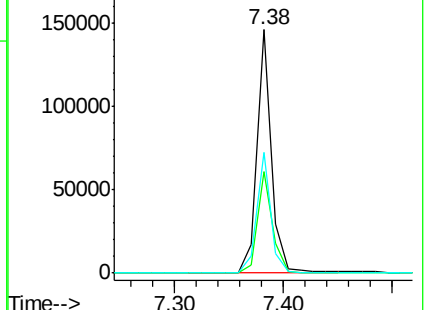
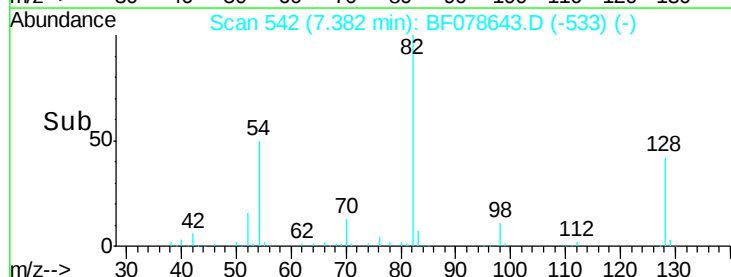
54 49.5 41.5 62.3

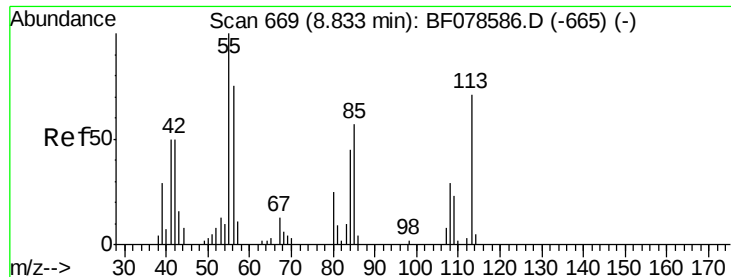


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

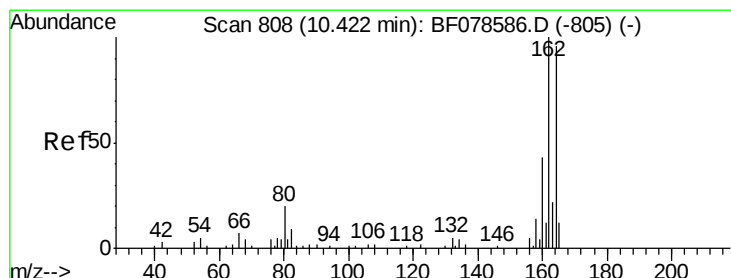
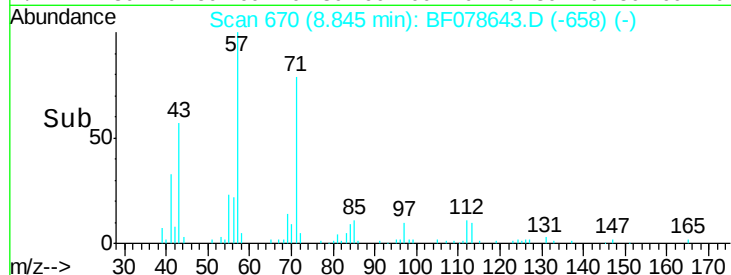
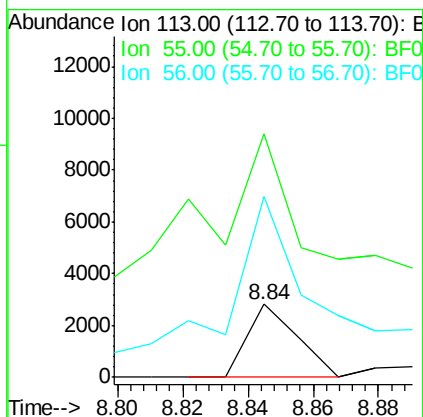
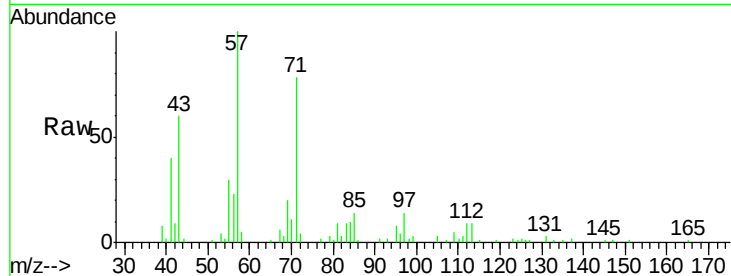




#35
 Caprolactam
 Concen: 5.32 ng
 RT: 8.84 min Scan# 670
 Delta R.T. 0.03 min
 Lab File: BF078643.D
 Acq: 18 Apr 2015 14:16

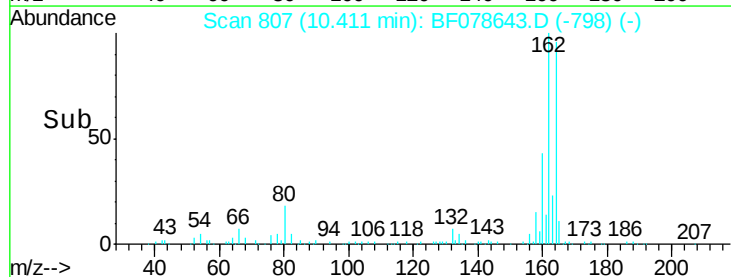
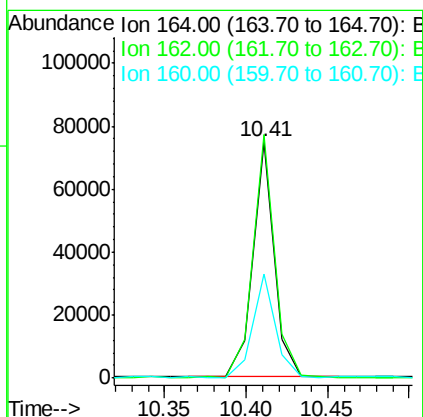
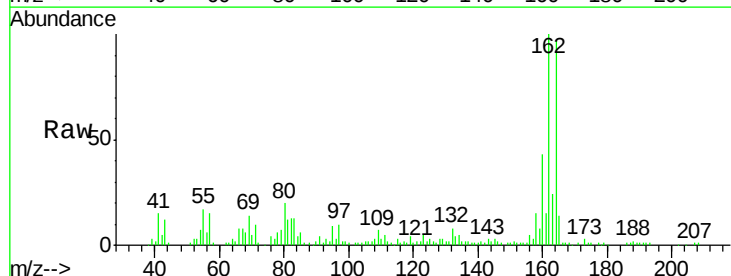
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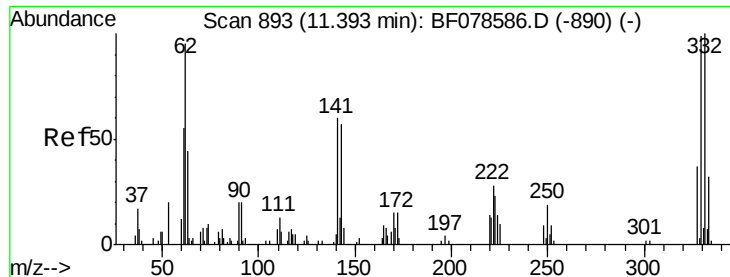
Tgt Ion:113 Resp: 2914
 Ion Ratio Lower Upper
 113 100
 55 334.3 151.9 191.9#
 56 248.4 106.1 146.1#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.41 min Scan# 807
 Delta R.T. 0.00 min
 Lab File: BF078643.D
 Acq: 18 Apr 2015 14:16

Tgt Ion:164 Resp: 67707
 Ion Ratio Lower Upper
 164 100
 162 103.1 82.2 123.2
 160 44.1 34.7 52.1

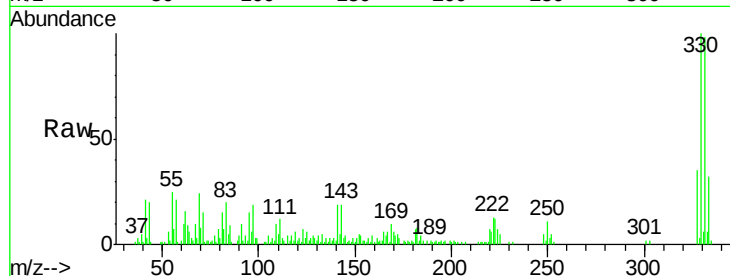




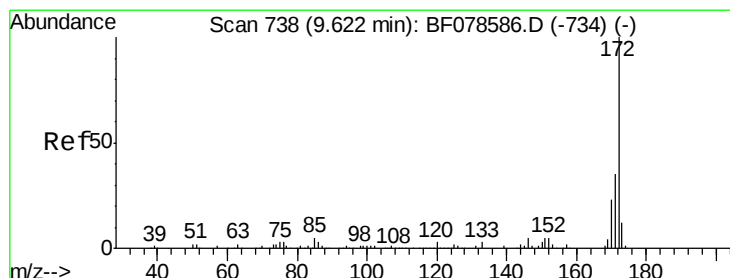
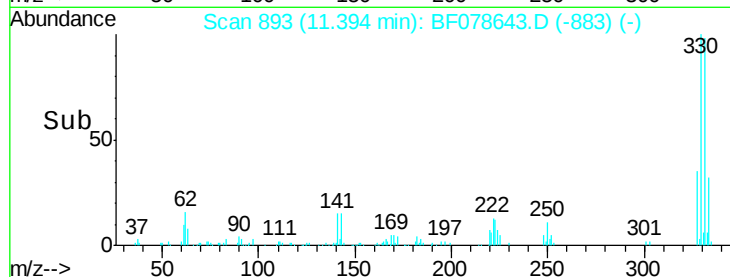
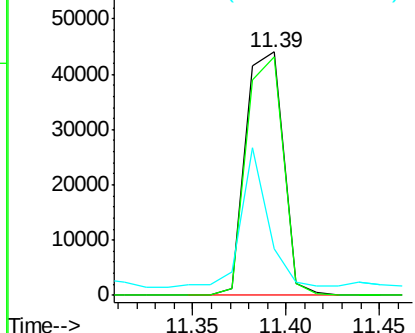
#41
 2,4,6-Tribromophenol
 Concen: 109.18 ng
 RT: 11.39 min Scan# 893
 Delta R.T. 0.01 min
 Lab File: BF078643.D
 Acq: 18 Apr 2015 14:16

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB18A

Tgt Ion:330 Resp: 61308
 Ion Ratio Lower Upper
 330 100
 332 96.1 78.6 117.8
 141 41.9 31.2 46.8

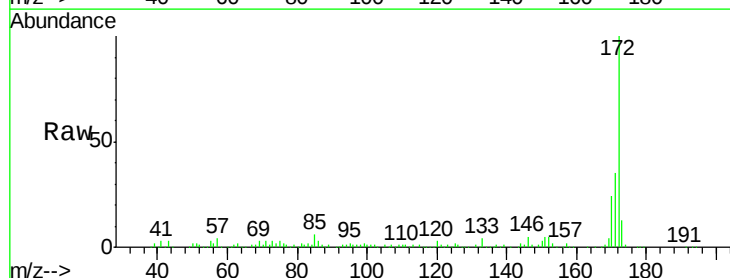


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

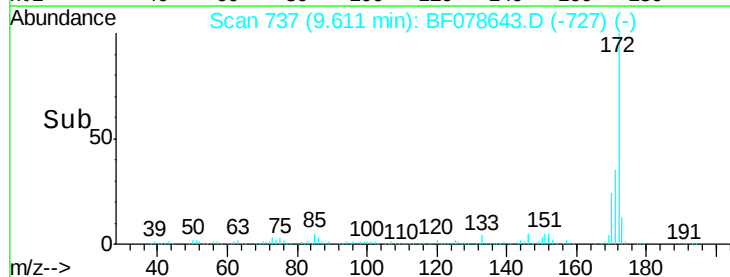
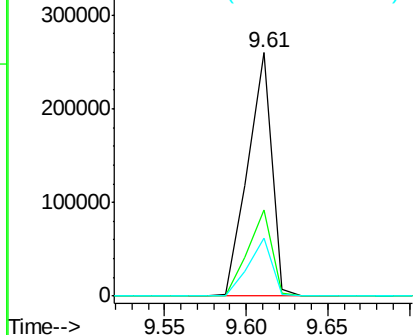


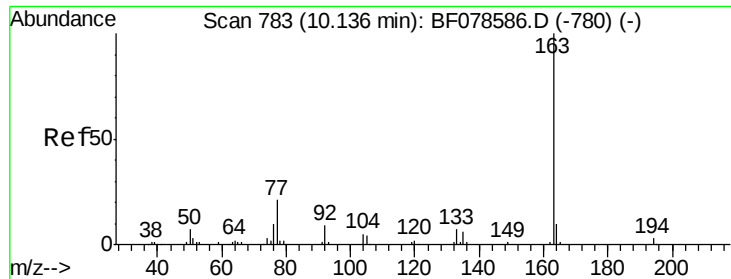
#44
 2-Fluorobiphenyl
 Concen: 56.25 ng
 RT: 9.61 min Scan# 737
 Delta R.T. 0.01 min
 Lab File: BF078643.D
 Acq: 18 Apr 2015 14:16

Tgt Ion:172 Resp: 266437
 Ion Ratio Lower Upper
 172 100
 171 35.2 28.6 42.8
 170 23.8 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: 3.70 ng

RT: 10.12 min Scan# 782

Delta R.T. 0.00 min

Lab File: BF078643.D

Acq: 18 Apr 2015 14:16

Instrument :

BNA_F

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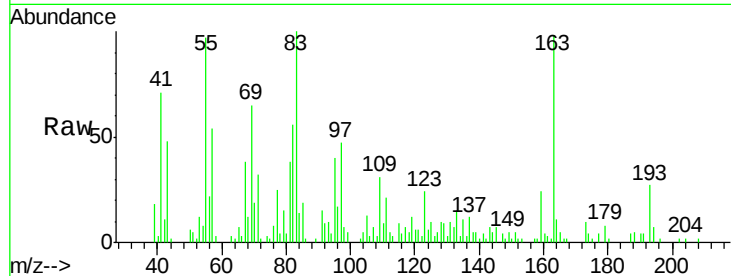
Tgt Ion:163 Resp: 18834

Ion Ratio Lower Upper

163 100

194 7.5 2.3 3.5#

164 10.9 8.6 13.0

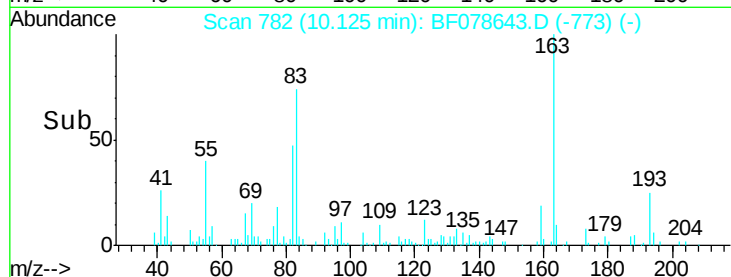


Abundance Ion 163.00 (162.70 to 163.70): E

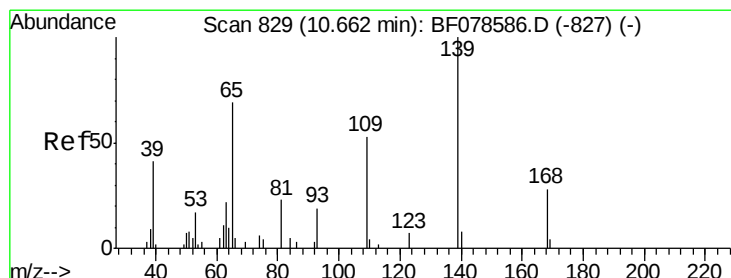
Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

Time-->



Time-->



#55

4-Nitrophenol

Concen: 5.10 ng

RT: 10.66 min Scan# 829

Delta R.T. 0.01 min

Lab File: BF078643.D

Acq: 18 Apr 2015 14:16

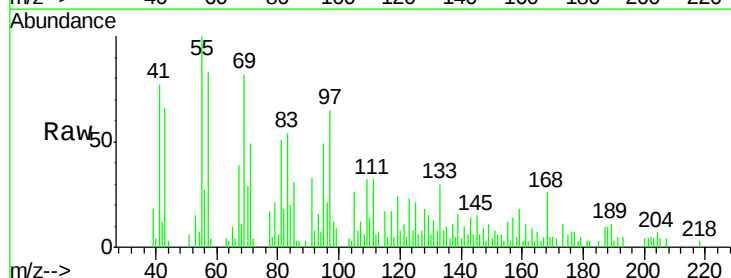
Tgt Ion:139 Resp: 2119

Ion Ratio Lower Upper

139 100

109 206.7 36.7 76.7#

65 64.1 49.9 89.9

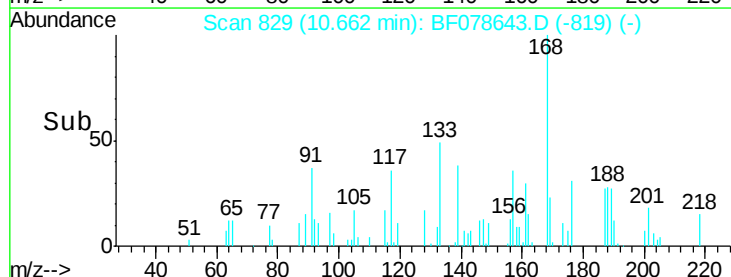


Abundance Ion 139.00 (138.70 to 139.70): E

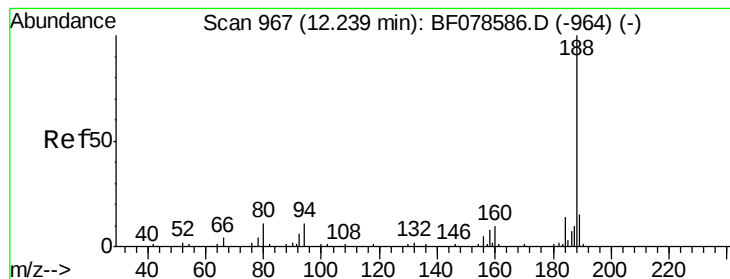
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

Time-->



Time-->



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.23 min Scan# 966

Delta R.T. 0.01 min

Lab File: BF078643.D

Acq: 18 Apr 2015 14:16

Instrument :

BNA_F

ClientSampleId :

LS-SB18A

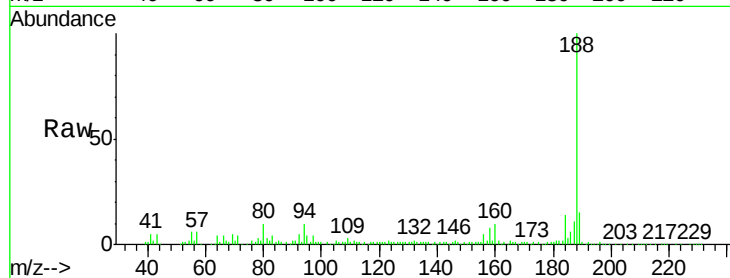
Tgt Ion:188 Resp: 138460

Ion Ratio Lower Upper

188 100

94 9.6 9.0 13.4

80 10.1 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

200000

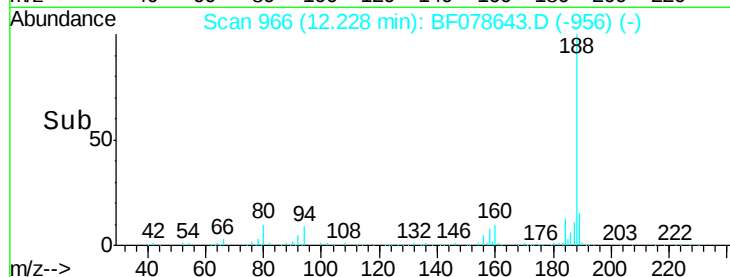
150000

100000

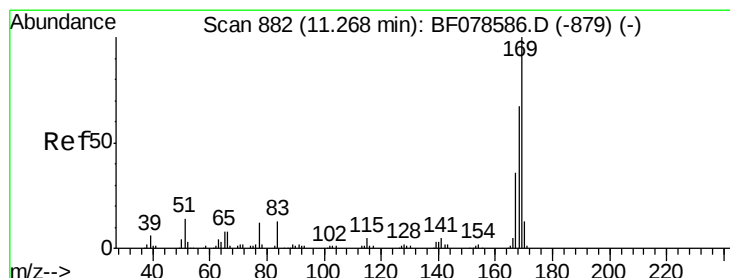
50000

0

12.15 12.20 12.25 12.30



Time-->



#65

n-Nitrosodiphenylamine

Concen: 3.45 ng

RT: 11.24 min Scan# 880

Delta R.T. -0.01 min

Lab File: BF078643.D

Acq: 18 Apr 2015 14:16

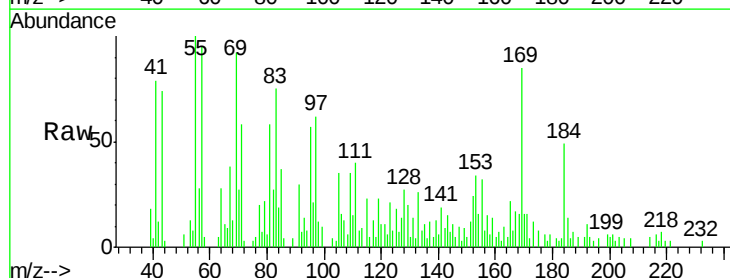
Tgt Ion:169 Resp: 16539

Ion Ratio Lower Upper

169 100

168 18.5 55.0 82.4#

167 19.9 29.3 43.9#



Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E

12000

10000

8000

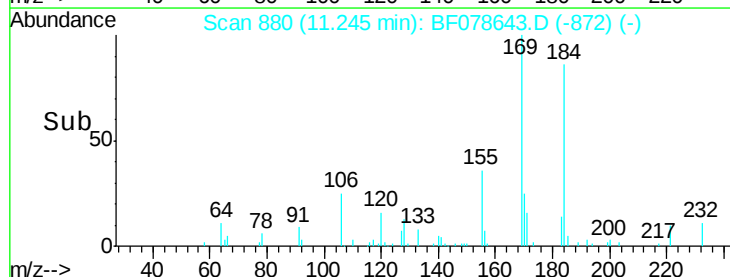
6000

4000

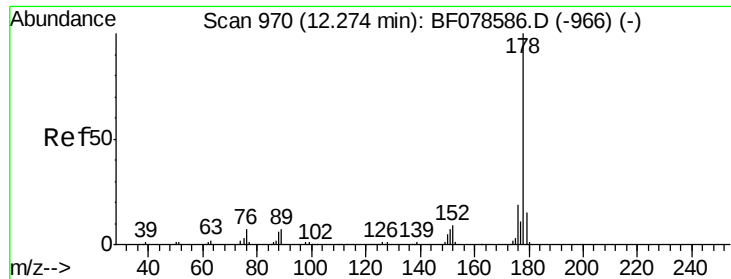
2000

0

11.20 11.25 11.30



Time-->



#70

Phenanthrene

Concen: 4.62 ng

RT: 12.26 min Scan# 969

Delta R.T. 0.01 min

Lab File: BF078643.D

Acq: 18 Apr 2015 14:16

Instrument :

BNA_F

ClientSampleId :

LS-SB18A

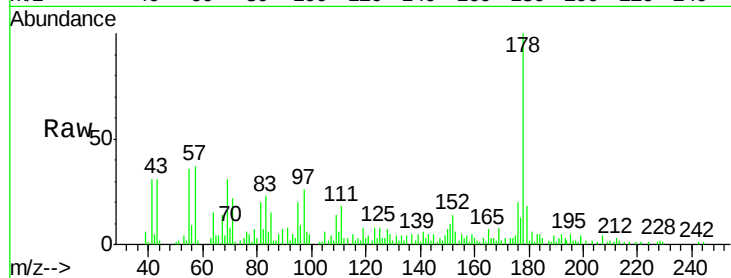
Tgt Ion:178 Resp: 36990

Ion Ratio Lower Upper

178 100

176 20.2 15.4 23.0

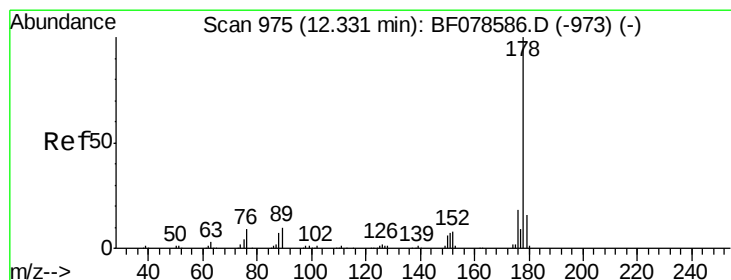
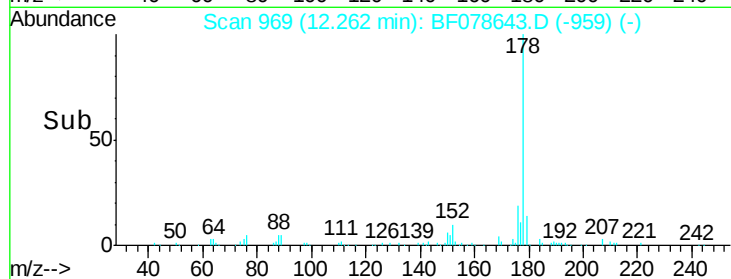
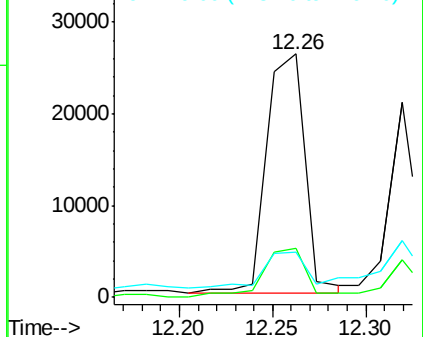
179 18.4 12.2 18.2#



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: 4.26 ng

RT: 12.26 min Scan# 969

Delta R.T. -0.05 min

Lab File: BF078643.D

Acq: 18 Apr 2015 14:16

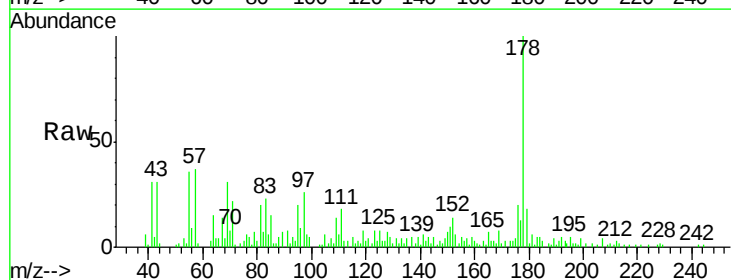
Tgt Ion:178 Resp: 33655

Ion Ratio Lower Upper

178 100

176 20.2 14.8 22.2

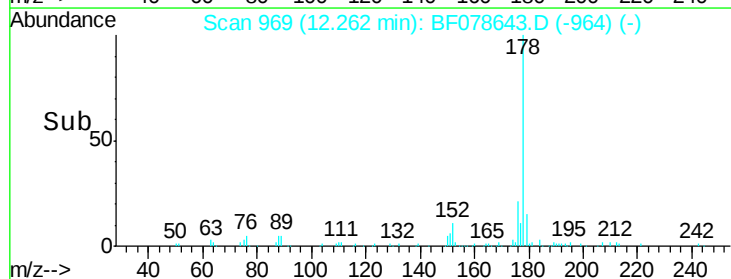
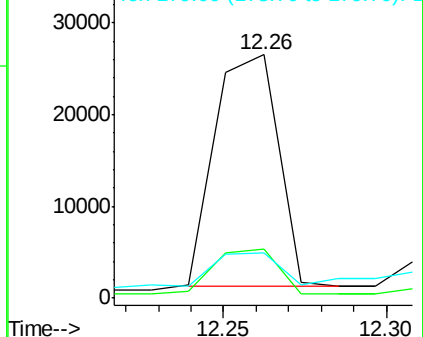
179 18.4 12.4 18.6

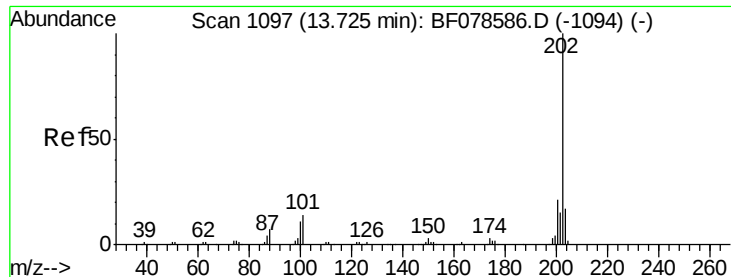


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 12.40 ng

RT: 13.71 min Scan# 1096

Delta R.T. 0.01 min

Lab File: BF078643.D

Acq: 18 Apr 2015 14:16

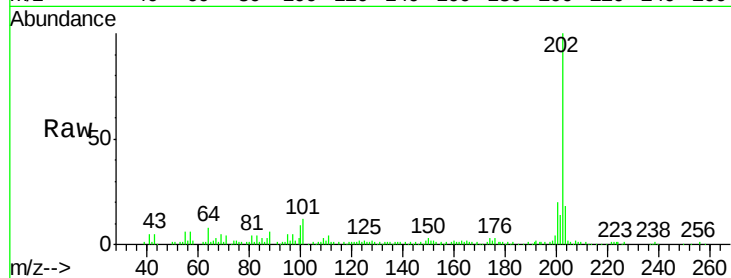
Instrument :

BNA_F

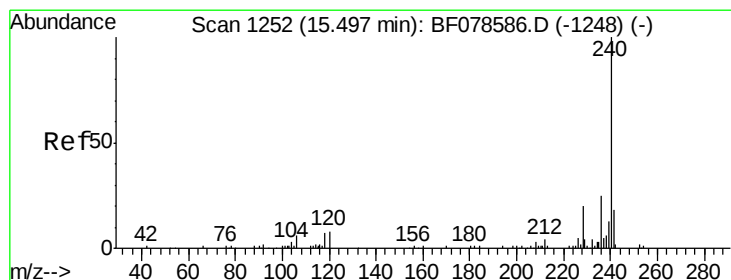
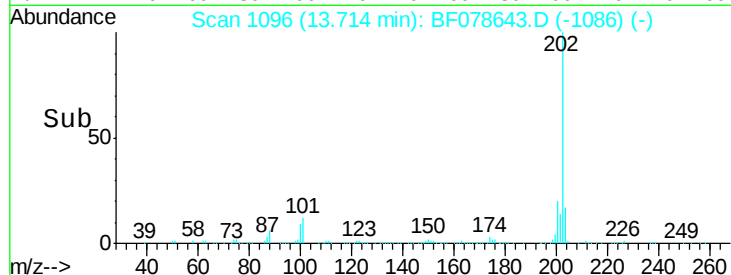
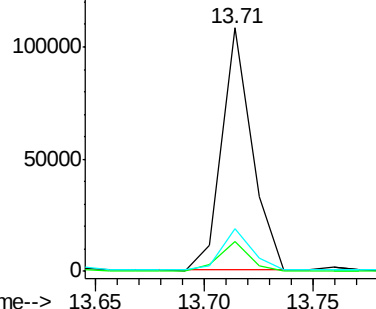
ClientSampleId :

LS-SB18A

Tgt Ion:	202	Resp:	104767
Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	35.2
203	17.6	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

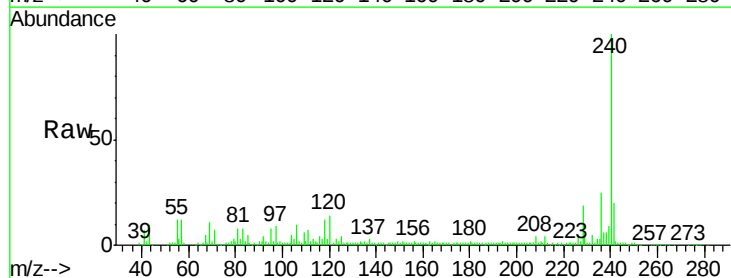
RT: 15.47 min Scan# 1250

Delta R.T. 0.01 min

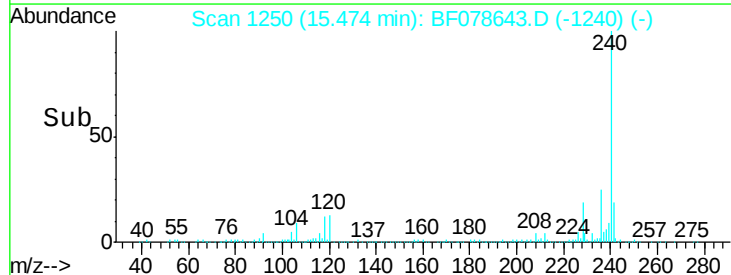
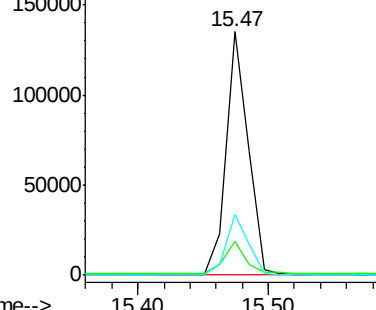
Lab File: BF078643.D

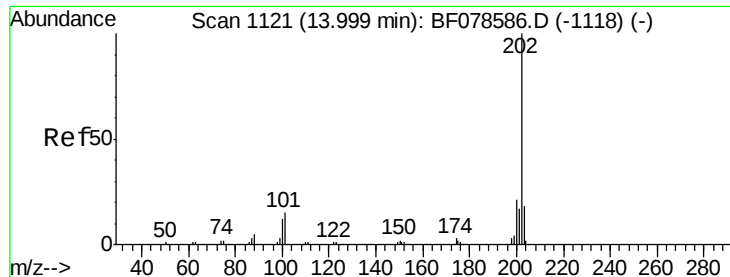
Acq: 18 Apr 2015 14:16

Tgt Ion:	240	Resp:	159474
Ion	Ratio	Lower	Upper
240	100		
120	14.1	7.1	10.7#
236	25.0	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: 14.59 ng

RT: 13.99 min Scan# 1120

Delta R.T. 0.01 min

Lab File: BF078643.D

Acq: 18 Apr 2015 14:16

Instrument :

BNA_F

ClientSampleId :

LS-SB18A

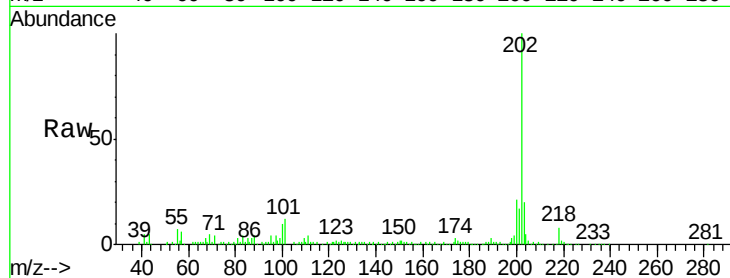
Tgt Ion:202 Resp: 146046

Ion Ratio Lower Upper

202 100

200 20.8 16.3 24.5

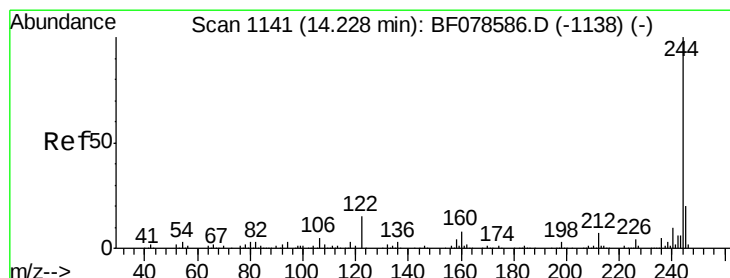
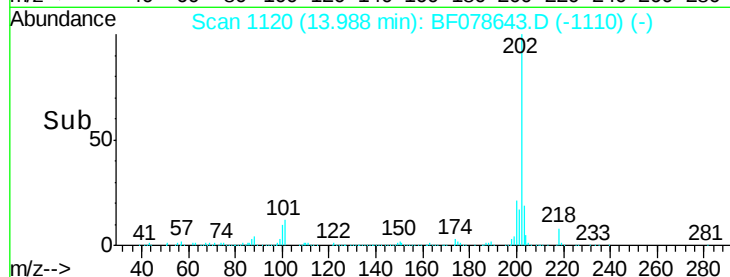
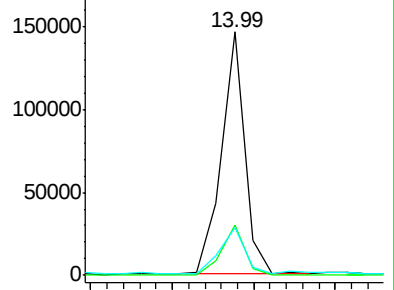
203 19.7 13.8 20.6



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: 45.74 ng

RT: 14.22 min Scan# 1140

Delta R.T. 0.01 min

Lab File: BF078643.D

Acq: 18 Apr 2015 14:16

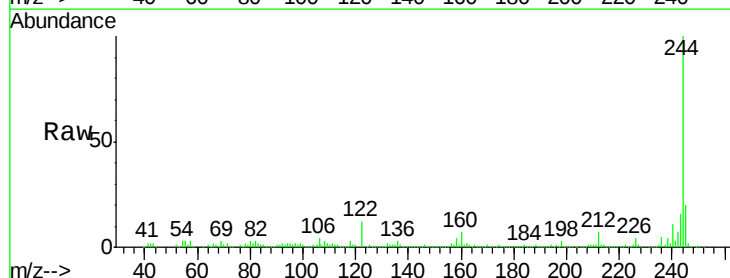
Tgt Ion:244 Resp: 322818

Ion Ratio Lower Upper

244 100

212 6.9 5.0 7.4

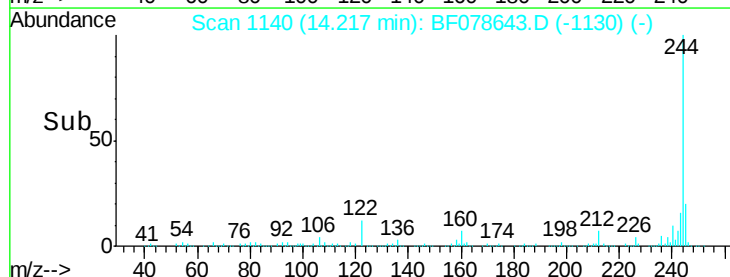
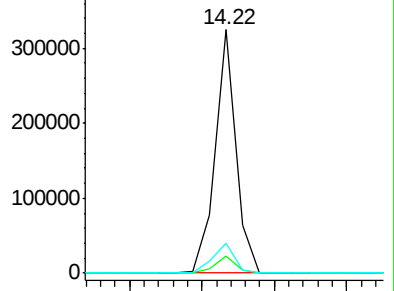
122 12.2 7.1 10.7#

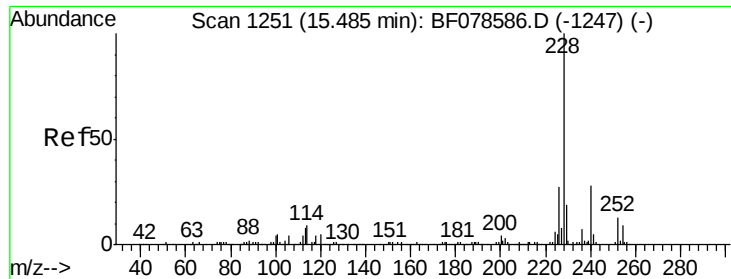


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 6.56 ng

RT: 15.46 min Scan# 1249

Delta R.T. 0.01 min

Lab File: BF078643.D

Acq: 18 Apr 2015 14:16

Instrument :

BNA_F

ClientSampleId :

LS-SB18A

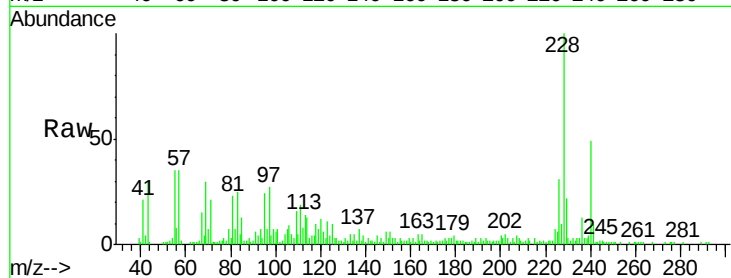
Tgt Ion:228 Resp: 62233

Ion Ratio Lower Upper

228 100

226 30.5 21.3 31.9

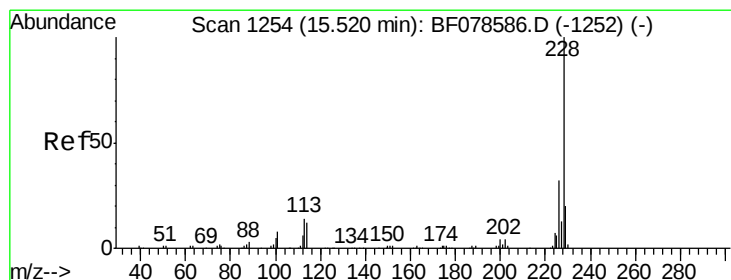
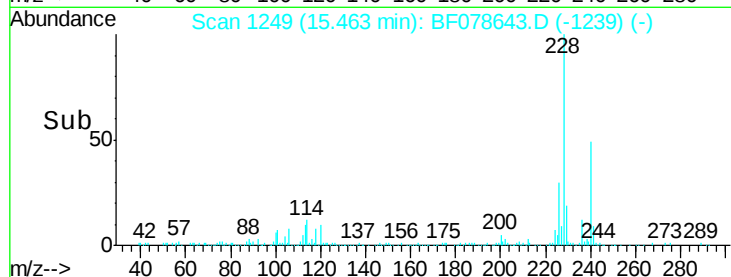
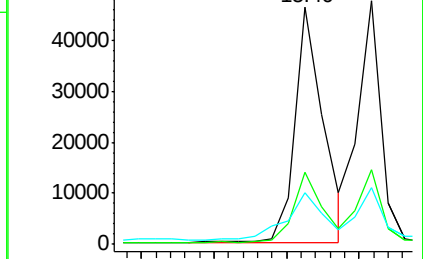
229 21.6 15.4 23.2



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: 5.69 ng

RT: 15.51 min Scan# 1253

Delta R.T. 0.01 min

Lab File: BF078643.D

Acq: 18 Apr 2015 14:16

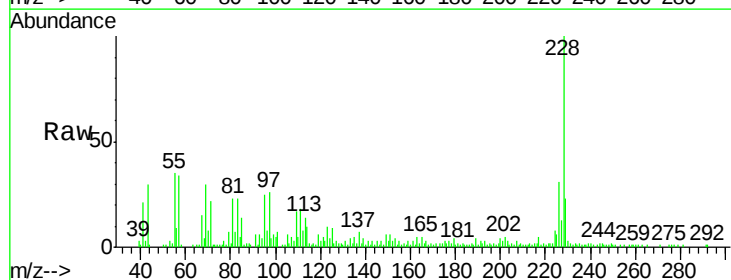
Tgt Ion:228 Resp: 50715

Ion Ratio Lower Upper

228 100

226 30.6 24.2 36.4

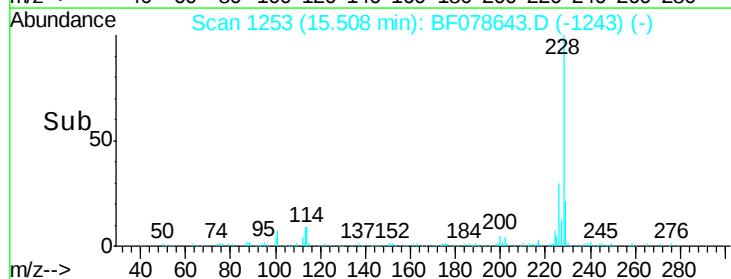
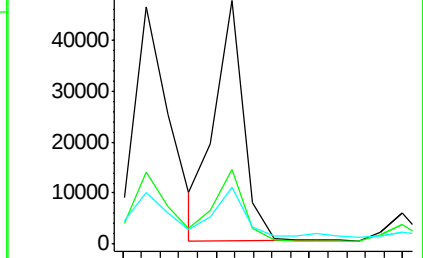
229 23.2 15.8 23.8

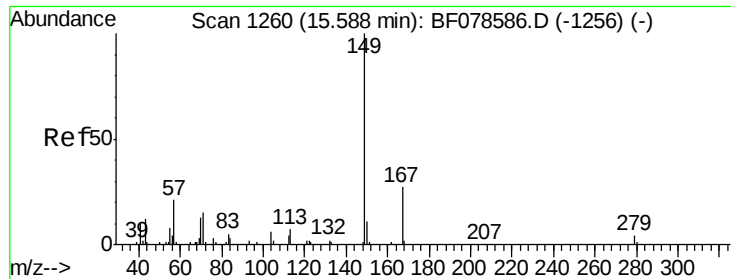


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

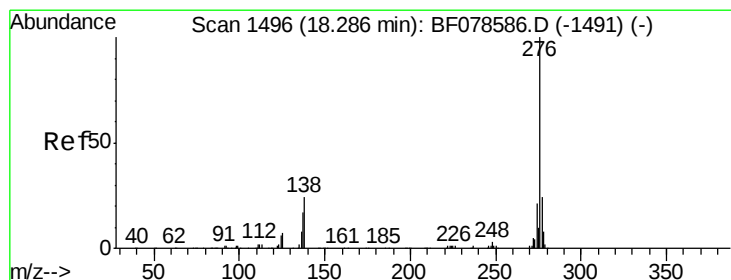
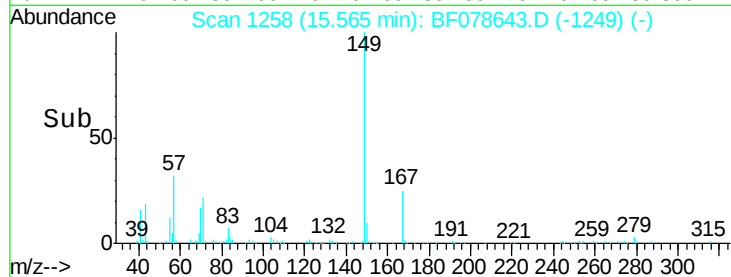
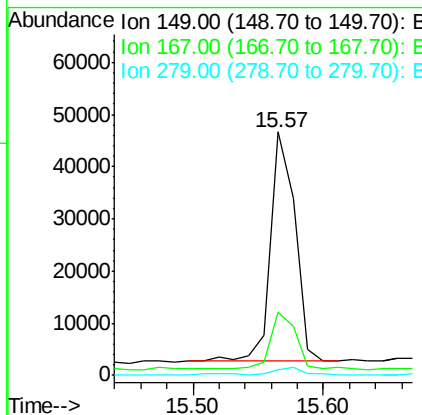
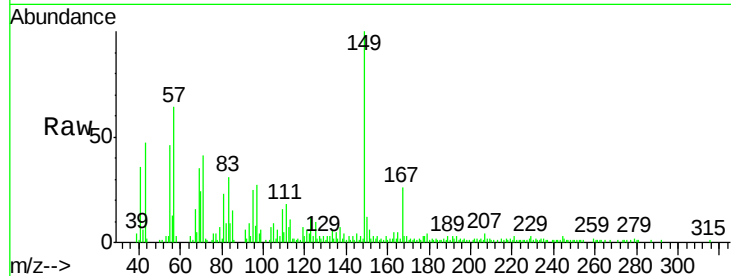




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 9.74 ng
 RT: 15.57 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: BF078643.D
 Acq: 18 Apr 2015 14:16

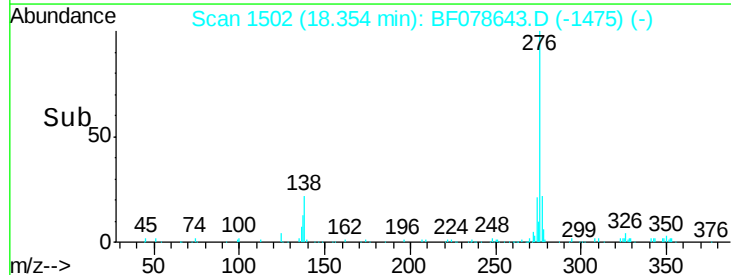
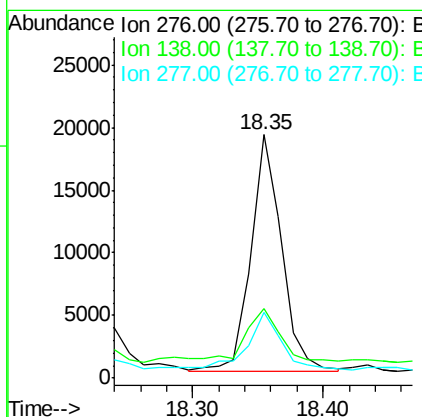
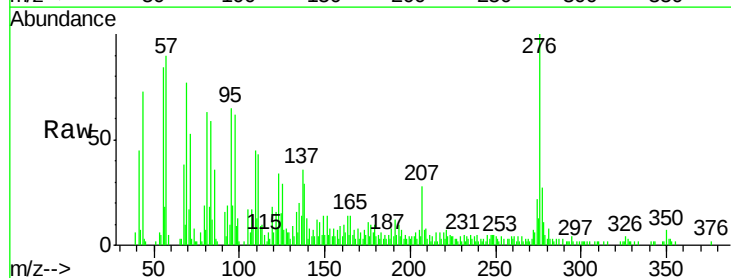
Instrument :
 BNA_F
 ClientSampleId :
 LS-SB18A

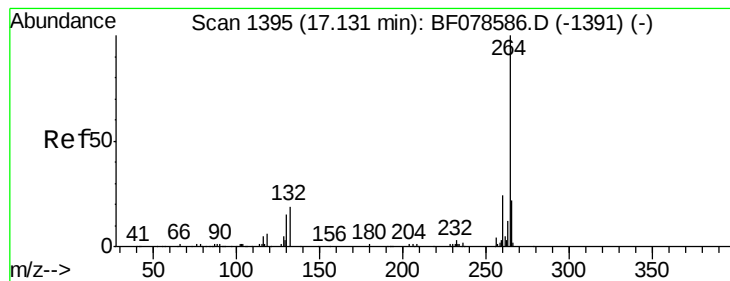
Tgt Ion:149 Resp: 58285
 Ion Ratio Lower Upper
 149 100
 167 26.1 22.2 33.2
 279 2.4 3.2 4.8#



#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.07 ng
 RT: 18.35 min Scan# 1502
 Delta R.T. 0.01 min
 Lab File: BF078643.D
 Acq: 18 Apr 2015 14:16

Tgt Ion:276 Resp: 31037
 Ion Ratio Lower Upper
 276 100
 138 25.3 16.9 25.3#
 277 30.8 15.8 23.6#





#86

Perylene-d12

Concen: 20.00 ng

RT: 17.18 min Scan# 1399

Delta R.T. 0.02 min

Lab File: BF078643.D

Acq: 18 Apr 2015 14:16

Instrument :

BNA_F

ClientSampled :

LS-SB18A

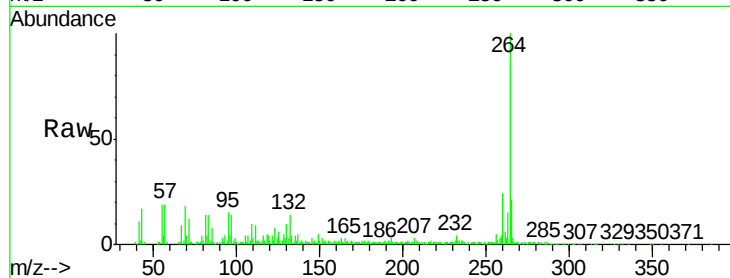
Tgt Ion:264 Resp: 167080

Ion Ratio Lower Upper

264 100

260 24.0 18.6 27.8

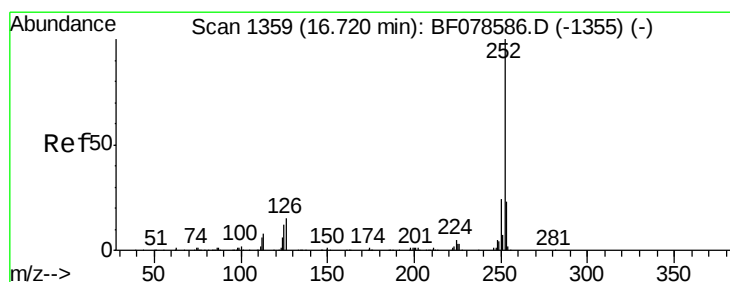
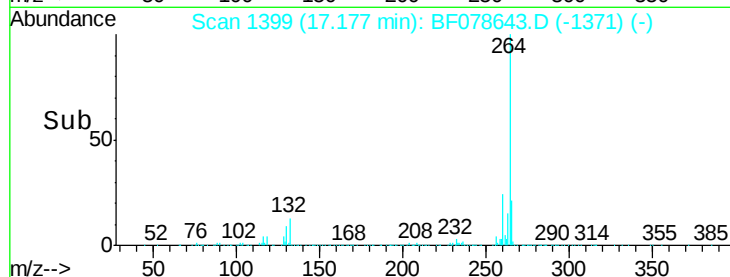
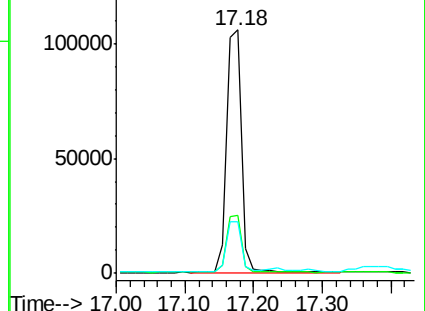
265 21.4 17.0 25.6



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 8.57 ng

RT: 16.74 min Scan# 1361

Delta R.T. 0.01 min

Lab File: BF078643.D

Acq: 18 Apr 2015 14:16

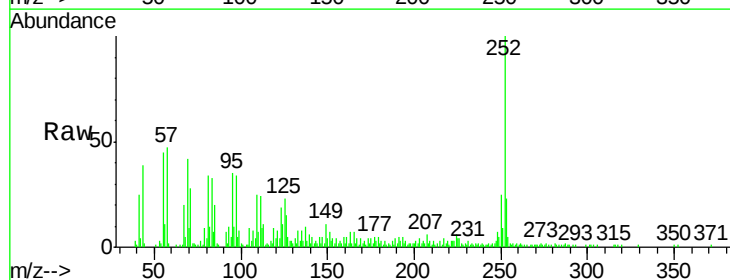
Tgt Ion:252 Resp: 88496

Ion Ratio Lower Upper

252 100

253 23.5 17.2 25.8

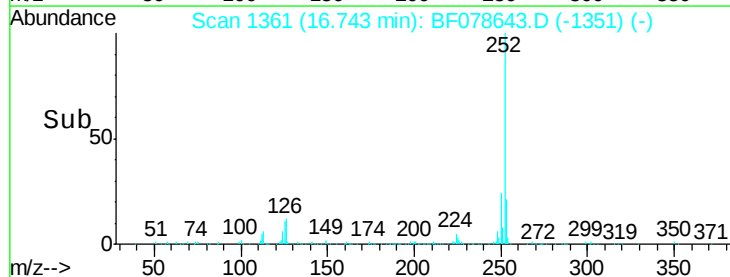
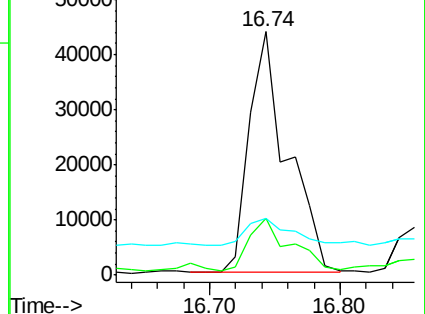
125 23.4 7.0 10.4#

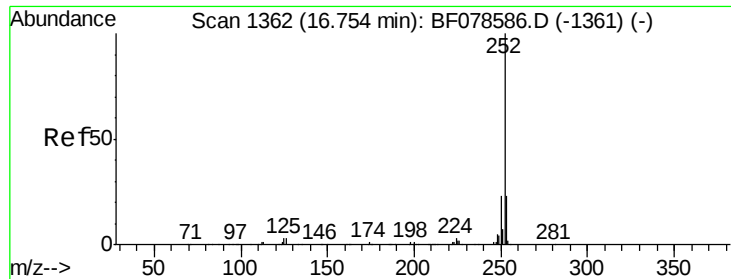


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

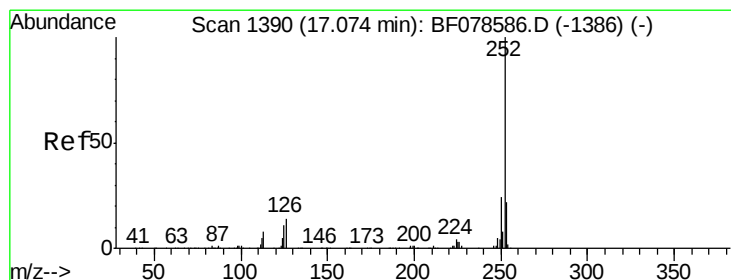
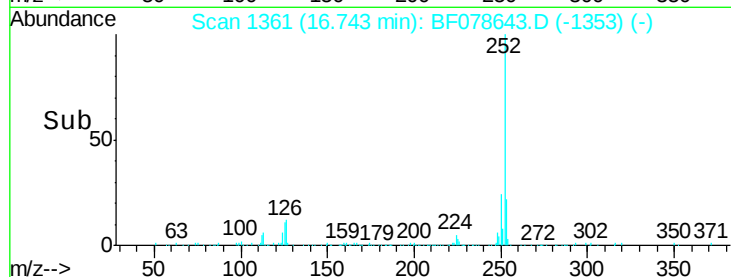
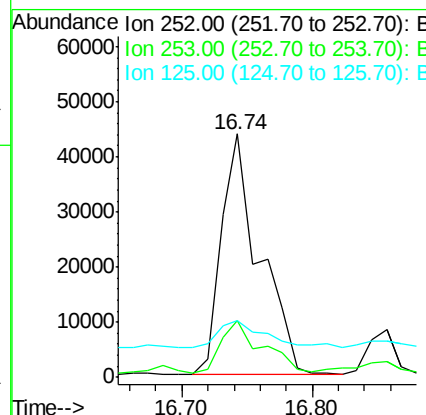
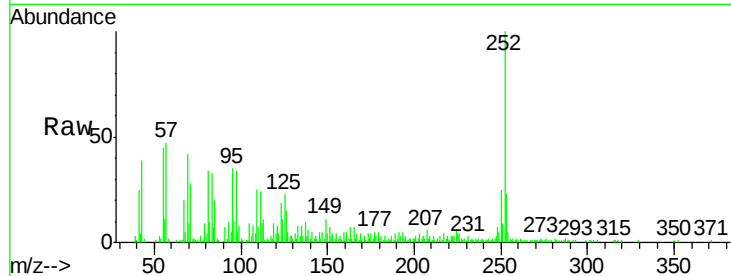




#88
Benzo(k)fluoranthene
Concen: 9.79 ng
RT: 16.74 min Scan# 1361
Delta R.T. -0.01 min
Lab File: BF078643.D
Acq: 18 Apr 2015 14:16

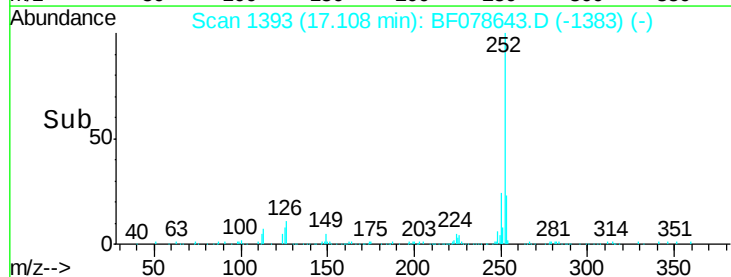
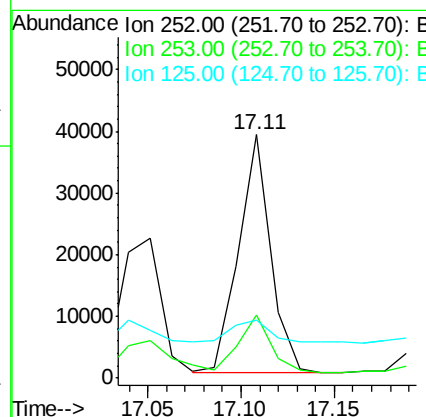
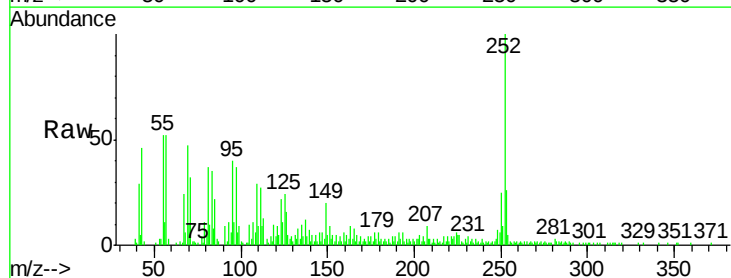
Instrument :
BNA_F
ClientSampleId :
LS-SB18A

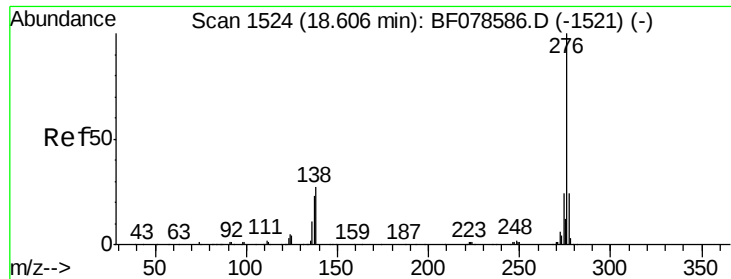
Tgt Ion: 252 Resp: 89794
Ion Ratio Lower Upper
252 100
253 23.5 17.5 26.3
125 23.4 11.6 17.4#



#89
Benzo(a)pyrene
Concen: 5.12 ng
RT: 17.11 min Scan# 1393
Delta R.T. 0.01 min
Lab File: BF078643.D
Acq: 18 Apr 2015 14:16

Tgt Ion: 252 Resp: 46121
Ion Ratio Lower Upper
252 100
253 25.9 16.8 25.2#
125 24.0 7.4 11.0#





#91

Benzo(g,h,i)perylene

Concen: 3.12 ng

RT: 18.69 min Scan# 1531

Delta R.T. 0.02 min

Lab File: BF078643.D

Acq: 18 Apr 2015 14:16

Instrument :

BNA_F

ClientSampleId :

LS-SB18A

Tgt Ion: 276 Resp: 28229

Ion Ratio Lower Upper

276 100

277 26.6 19.0 28.4

138 25.2 19.9 29.9

