

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041715\
 Data File : BF078636.D
 Acq On : 18 Apr 2015 10:56
 Operator : TP/IZ
 Sample : G1854-12
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB07

Quant Time: Apr 20 00:58:36 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	37490	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	160369	20.00	ng	0.00
38) Acenaphthene-d10	10.41	164	84884	20.00	ng	0.00
63) Phenanthrene-d10	12.23	188	172287	20.00	ng	0.01
75) Chrysene-d12	15.47	240	204324	20.00	ng	0.01
86) Perylene-d12	17.17	264	212211	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.90	112	211145	92.86	ng	0.00
7) Phenol-d6	6.28	99	280155	98.31	ng	0.00
23) Nitrobenzene-d5	7.38	82	180744	68.31	ng	0.00
41) 2,4,6-Tribromophenol	11.38	330	76701	108.95	ng	0.00
44) 2-Fluorobiphenyl	9.60	172	276512	46.56	ng	0.00
78) Terphenyl-d14	14.21	244	313448	34.66	ng	0.00

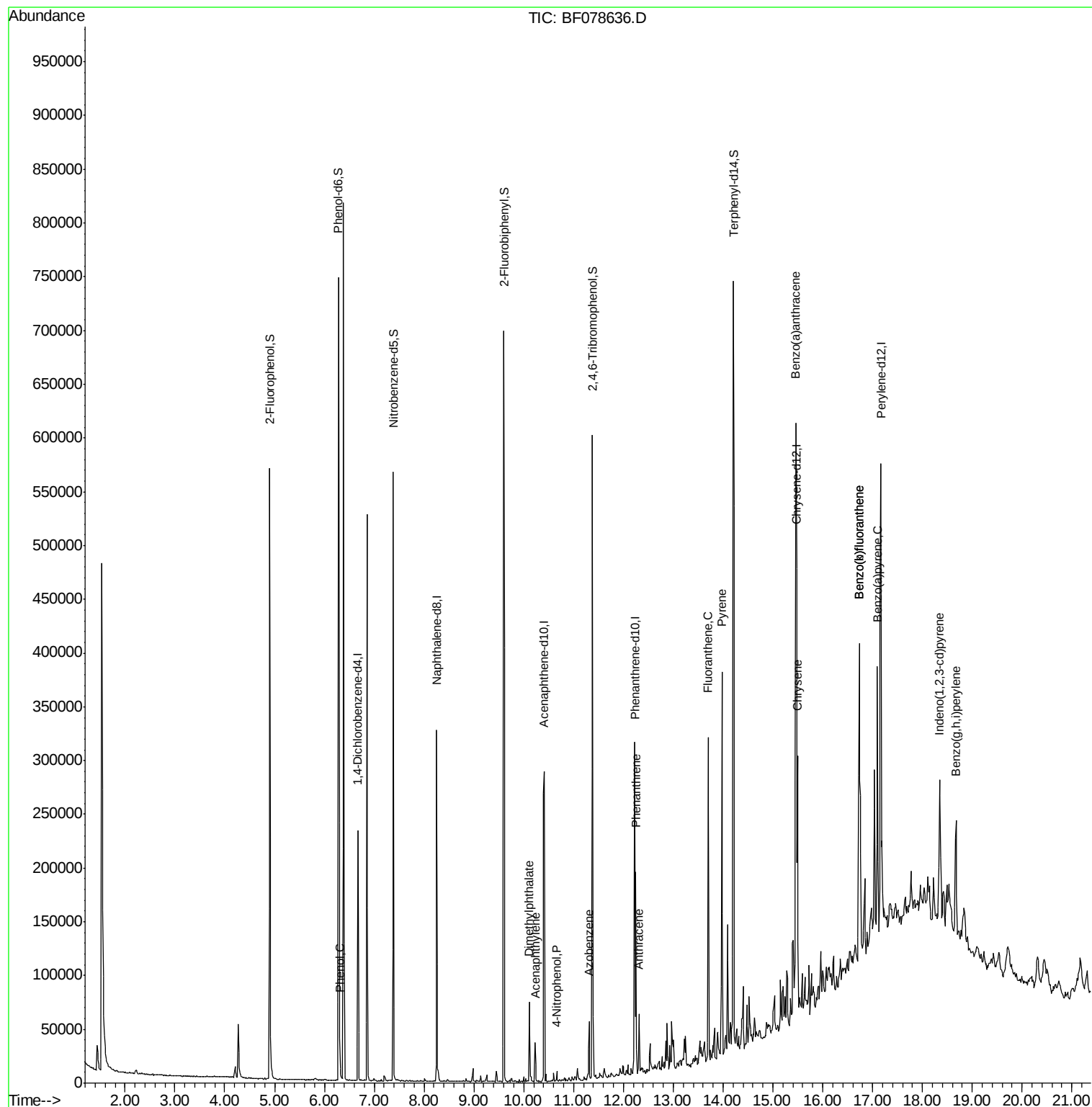
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.31	94	7615	2.23	ng	89
48) Acenaphthylene	10.23	152	20079	2.28	ng	98
49) Dimethylphthalate	10.11	163	43150	6.77	ng	99
55) 4-Nitrophenol	10.66	139	1676	4.24	ng	# 18
62) Azobenzene	11.31	77	12158	2.17	ng	# 1
70) Phenanthrene	12.25	178	75292	7.55	ng	98
71) Anthracene	12.31	178	30707	3.13	ng	98
74) Fluoranthene	13.70	202	170355	16.21	ng	98
77) Pyrene	13.98	202	146010	11.38	ng	97
80) Benzo(a)anthracene	15.46	228	113470	9.33	ng	96
82) Chrysene	15.50	228	97984	8.58	ng	97
85) Indeno(1,2,3-cd)pyrene	18.34	276	84635	6.53	ng	# 91
87) Benzo(b)fluoranthene	16.73	252	226420	17.26	ng	# 96
88) Benzo(k)fluoranthene	16.73	252	227649	19.53	ng	97
89) Benzo(a)pyrene	17.10	252	107058	9.35	ng	# 94
91) Benzo(g,h,i)perylene	18.67	276	73080	6.36	ng	95

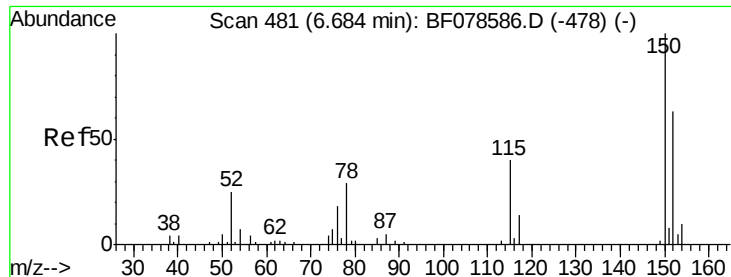
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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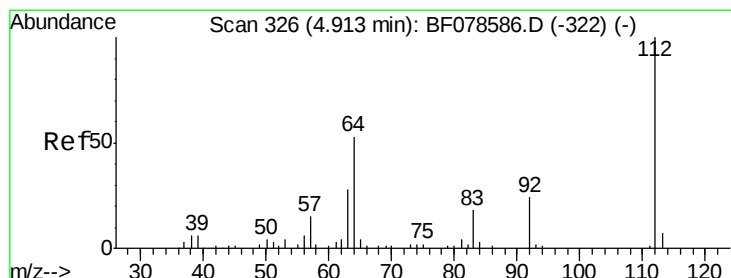
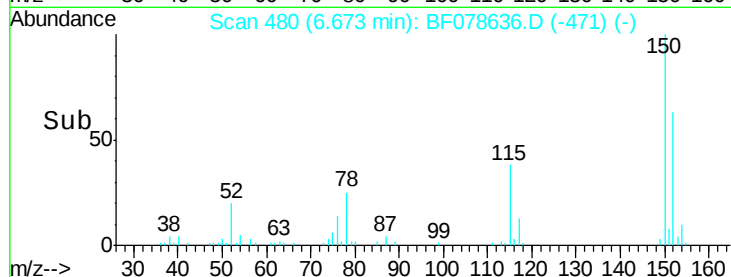
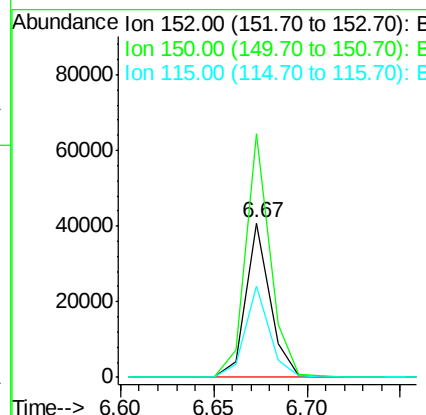
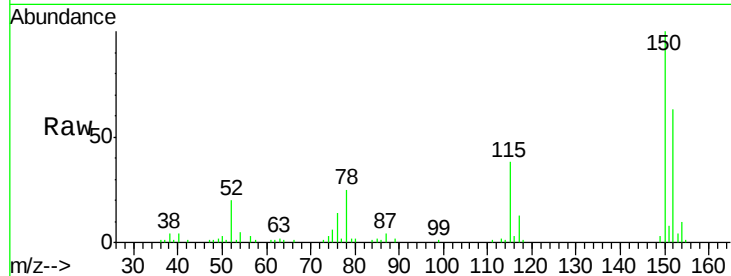




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.67 min Scan# 480
 Delta R.T. -0.00 min
 Lab File: BF078636.D
 Acq: 18 Apr 2015 10:56

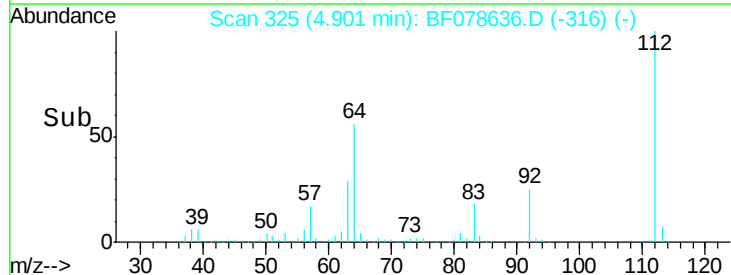
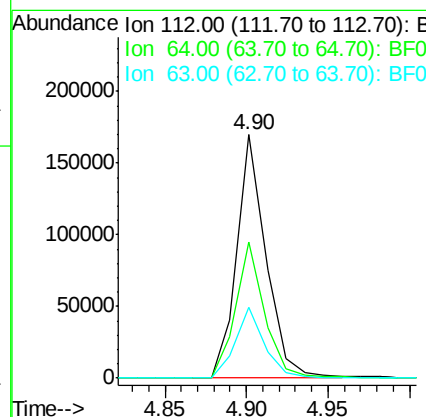
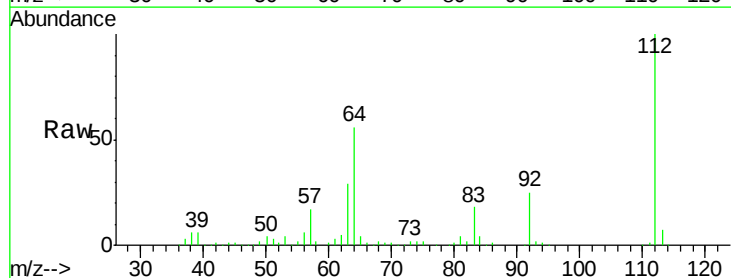
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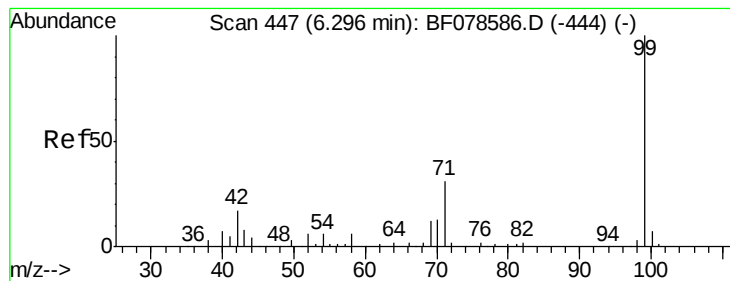
Tgt Ion:152 Resp: 37490
 Ion Ratio Lower Upper
 152 100
 150 158.0 125.9 188.9
 115 59.5 52.7 79.1



#5
 2-Fluorophenol
 Concen: 92.86 ng
 RT: 4.90 min Scan# 325
 Delta R.T. -0.00 min
 Lab File: BF078636.D
 Acq: 18 Apr 2015 10:56

Tgt Ion:112 Resp: 211145
 Ion Ratio Lower Upper
 112 100
 64 55.6 39.9 59.9
 63 29.1 20.2 30.4





#7

Phenol-d6

Concen: 98.31 ng

RT: 6.28 min Scan# 446

Delta R.T. -0.00 min

Lab File: BF078636.D

Acq: 18 Apr 2015 10:56

Instrument :

BNA_F

ClientSampleId :

LS-SB07

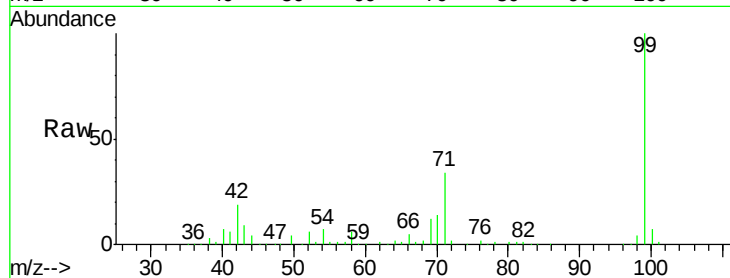
Tgt Ion: 99 Resp: 280155

Ion Ratio Lower Upper

99 100

42 18.7 14.8 22.2

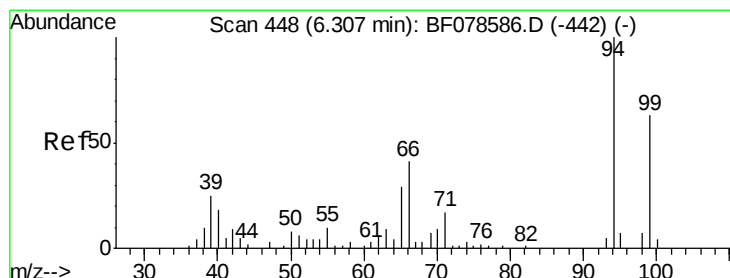
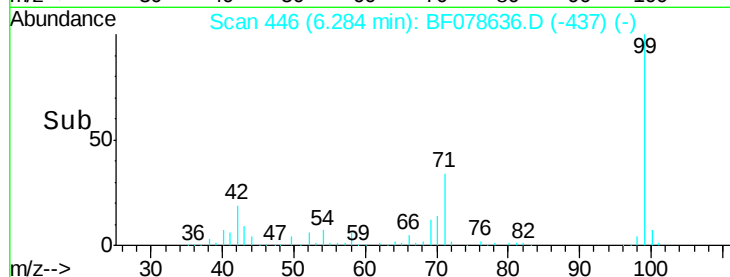
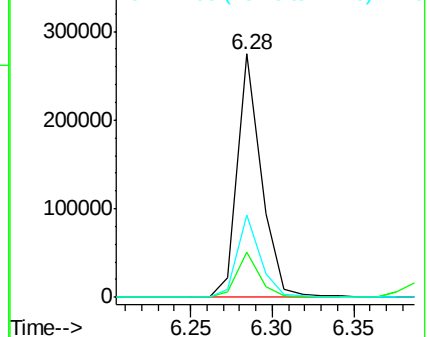
71 34.0 26.6 39.8



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



#10

Phenol

Concen: 2.23 ng

RT: 6.31 min Scan# 448

Delta R.T. 0.01 min

Lab File: BF078636.D

Acq: 18 Apr 2015 10:56

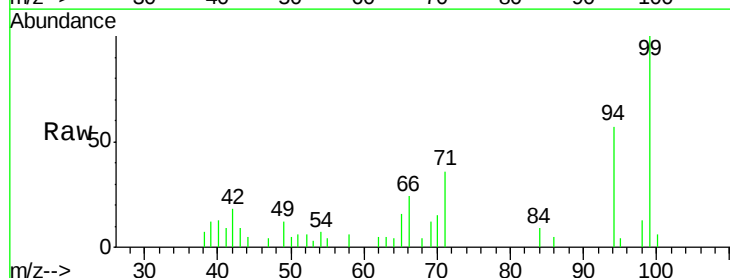
Tgt Ion: 94 Resp: 7615

Ion Ratio Lower Upper

94 100

65 28.2 4.9 44.9

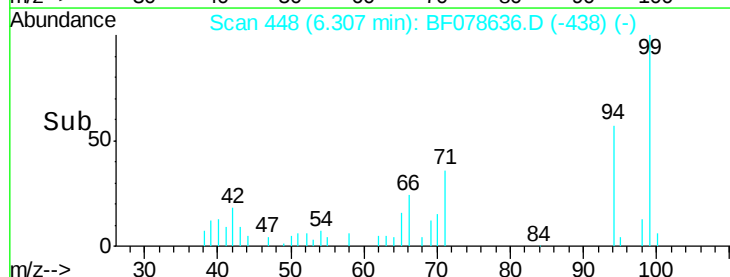
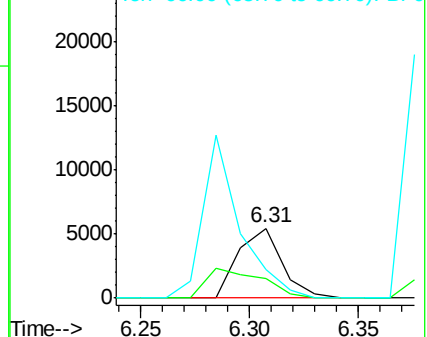
66 41.6 13.8 53.8

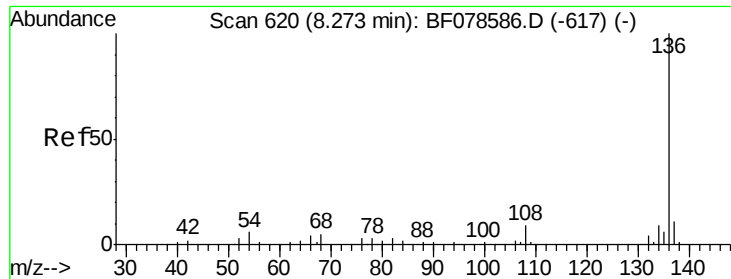


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

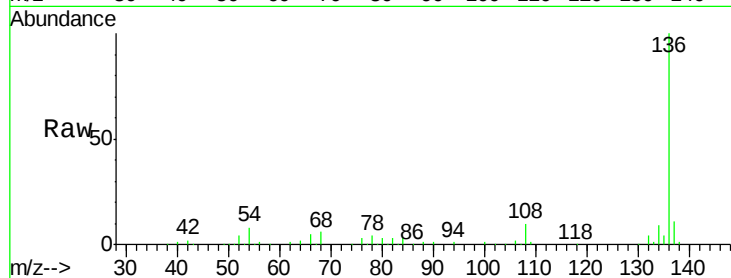




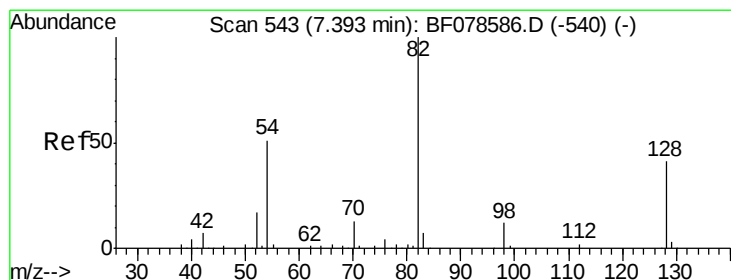
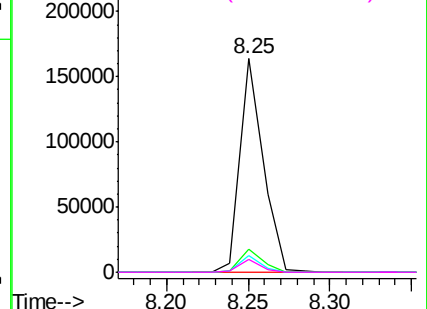
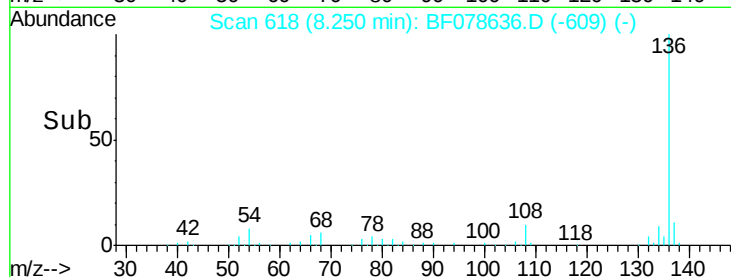
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.25 min Scan# 618
Delta R.T. -0.00 min
Lab File: BF078636.D
Acq: 18 Apr 2015 10:56

Instrument :
BNA_F
ClientSampleID :
LS-SB07

Tgt Ion:	136	Resp:	160369
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	8.0	7.0	10.6
68	6.2	5.4	8.2

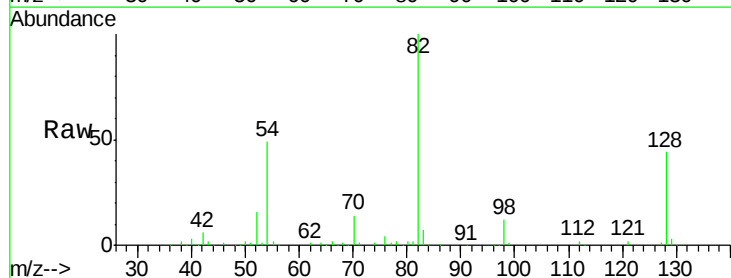


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

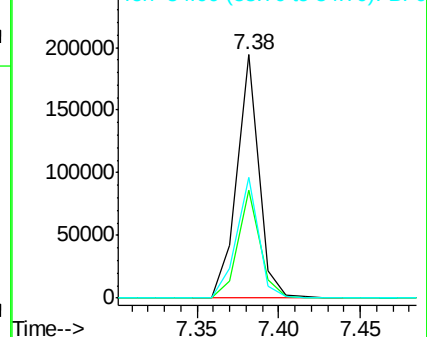
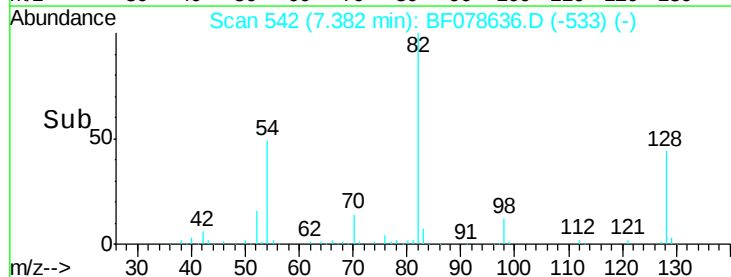


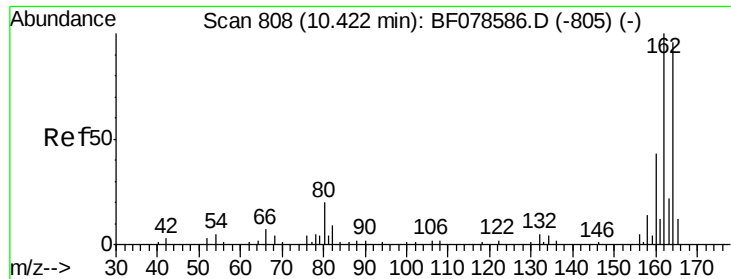
#23
Nitrobenzene-d5
Concen: 68.31 ng
RT: 7.38 min Scan# 542
Delta R.T. -0.00 min
Lab File: BF078636.D
Acq: 18 Apr 2015 10:56

Tgt Ion:	82	Resp:	180744
Ion	Ratio	Lower	Upper
82	100		
128	44.4	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

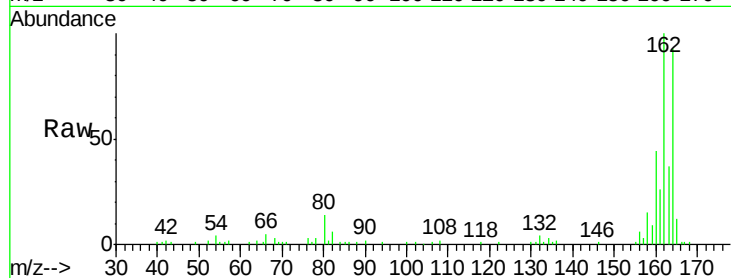




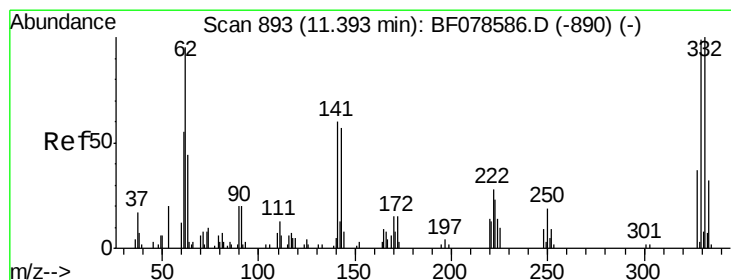
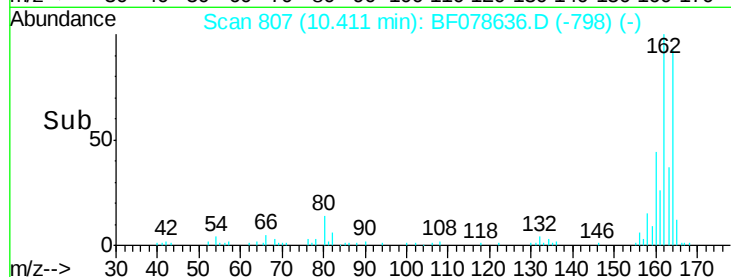
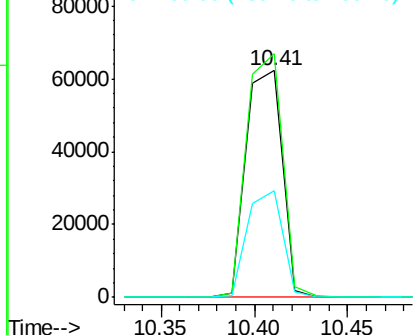
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.41 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: BF078636.D
 Acq: 18 Apr 2015 10:56

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB07

Tgt Ion:164 Resp: 84884
 Ion Ratio Lower Upper
 164 100
 162 107.6 82.2 123.2
 160 46.9 34.7 52.1

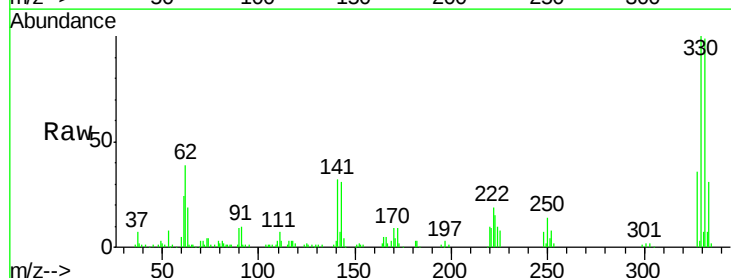


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

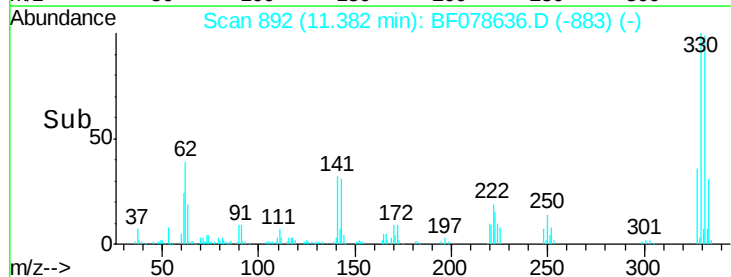
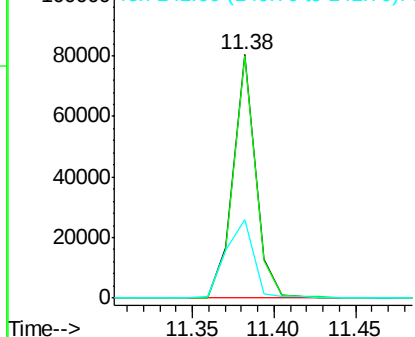


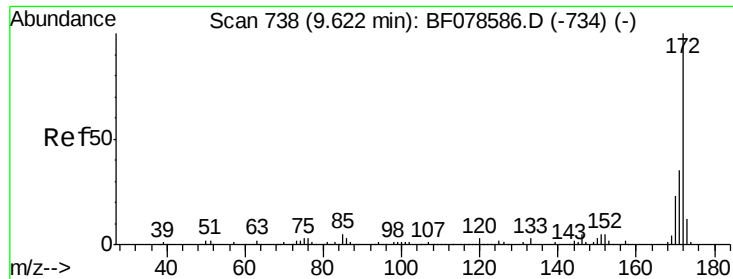
#41
 2,4,6-Tribromophenol
 Concen: 108.95 ng
 RT: 11.38 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: BF078636.D
 Acq: 18 Apr 2015 10:56

Tgt Ion:330 Resp: 76701
 Ion Ratio Lower Upper
 330 100
 332 98.3 78.6 117.8
 141 39.9 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

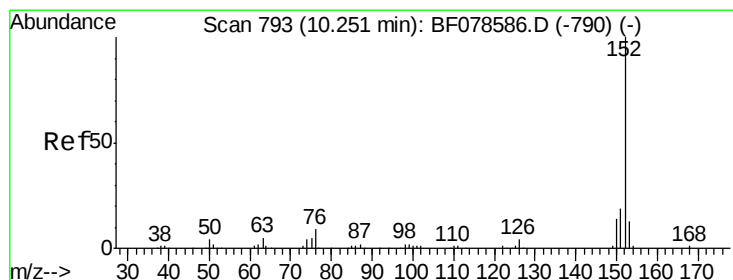
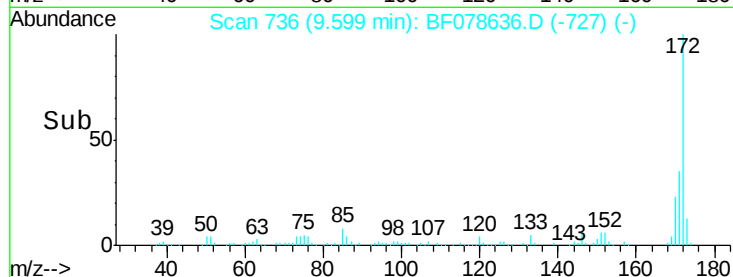
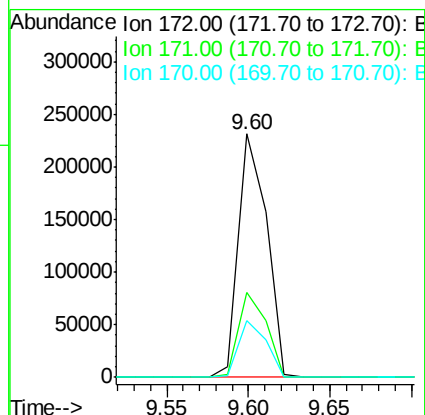
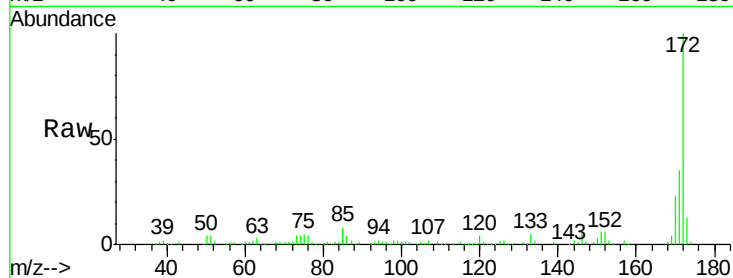




#44
 2-Fluorobiphenyl
 Concen: 46.56 ng
 RT: 9.60 min Scan# 736
 Delta R.T. -0.00 min
 Lab File: BF078636.D
 Acq: 18 Apr 2015 10:56

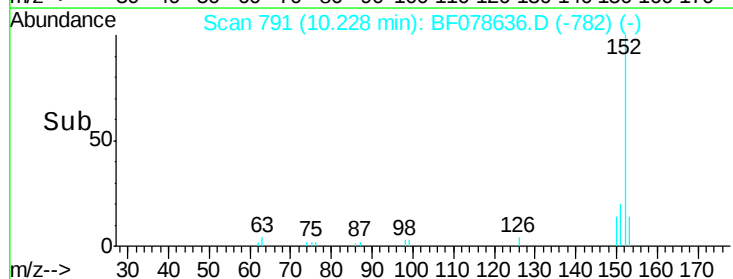
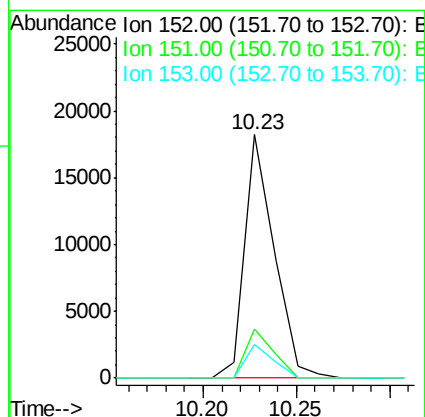
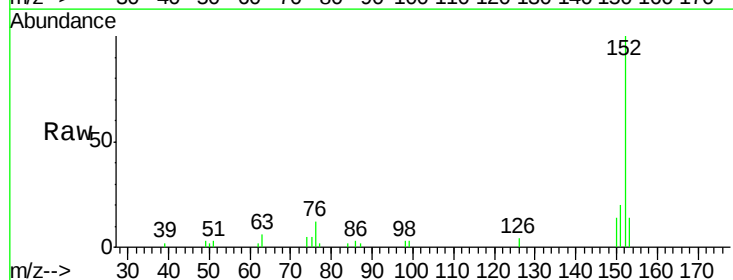
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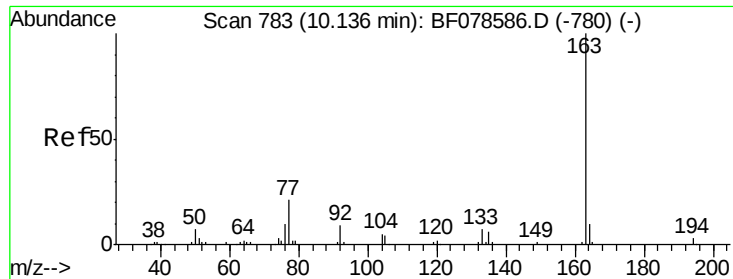
Tgt Ion:172 Resp: 276512
 Ion Ratio Lower Upper
 172 100
 171 34.7 28.6 42.8
 170 23.2 18.5 27.7



#48
 Acenaphthylene
 Concen: 2.28 ng
 RT: 10.23 min Scan# 791
 Delta R.T. -0.00 min
 Lab File: BF078636.D
 Acq: 18 Apr 2015 10:56

Tgt Ion:152 Resp: 20079
 Ion Ratio Lower Upper
 152 100
 151 20.3 15.7 23.5
 153 13.8 10.2 15.2

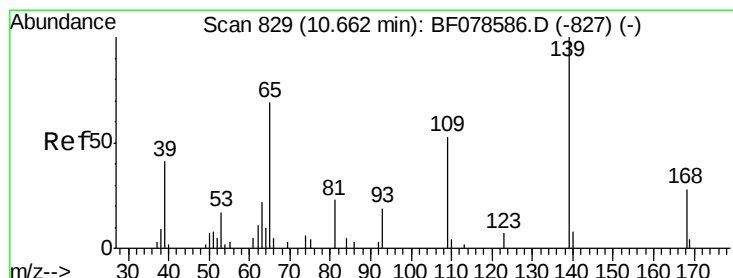
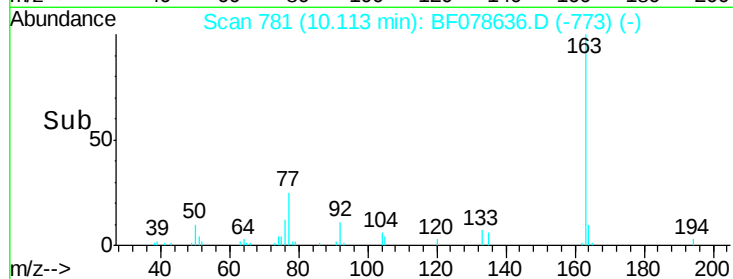
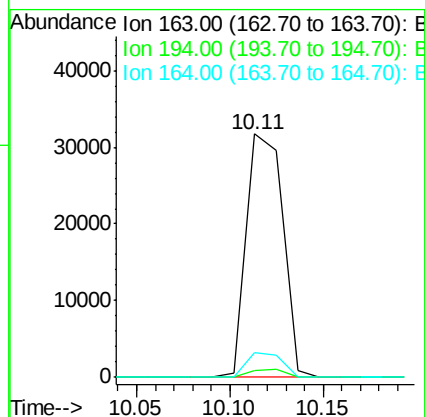
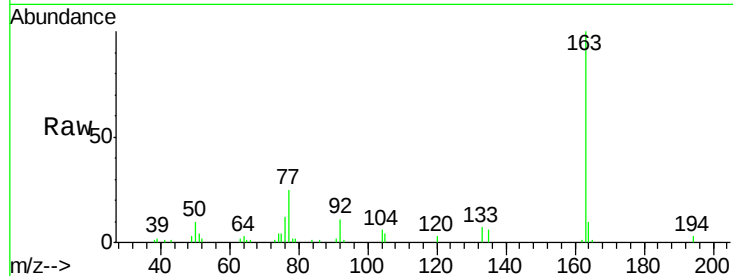




#49
Dimethylphthalate
Concen: 6.77 ng
RT: 10.11 min Scan# 781
Delta R.T. -0.01 min
Lab File: BF078636.D
Acq: 18 Apr 2015 10:56

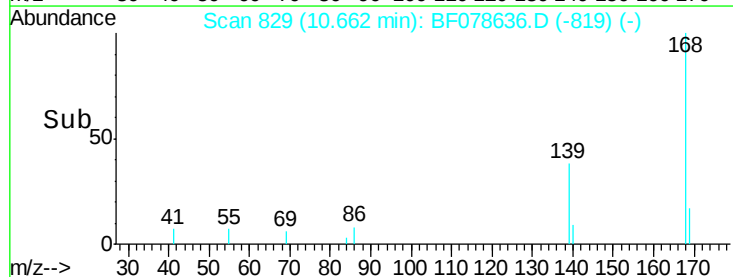
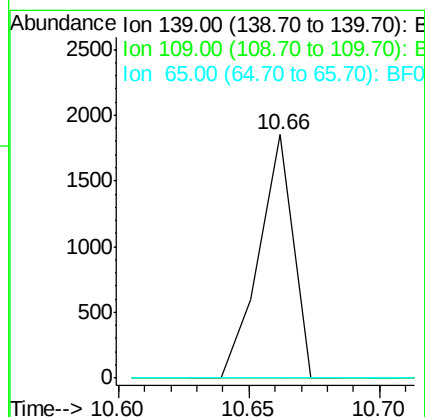
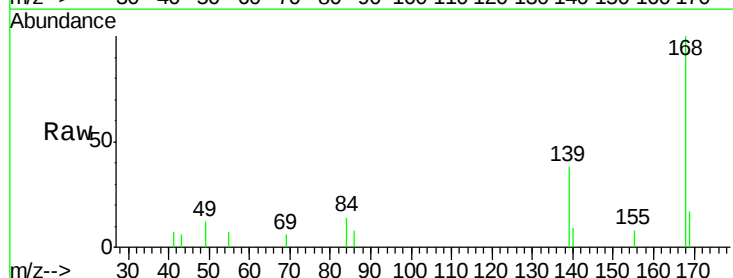
Instrument :
BNA_F
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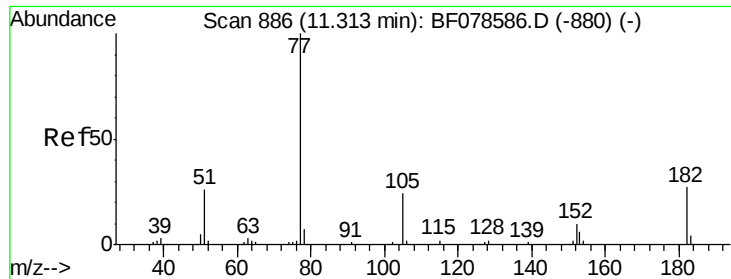
Tgt Ion:163 Resp: 43150
Ion Ratio Lower Upper
163 100
194 2.8 2.3 3.5
164 10.4 8.6 13.0



#55
4-Nitrophenol
Concen: 4.24 ng
RT: 10.66 min Scan# 829
Delta R.T. 0.01 min
Lab File: BF078636.D
Acq: 18 Apr 2015 10:56

Tgt Ion:139 Resp: 1676
Ion Ratio Lower Upper
139 100
109 0.0 36.7 76.7#
65 0.0 49.9 89.9#

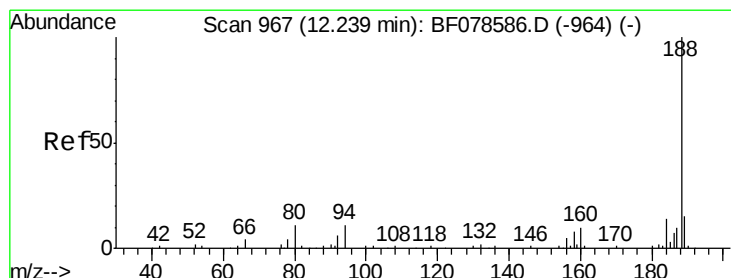
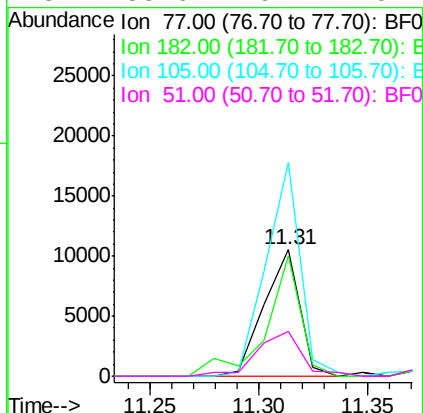
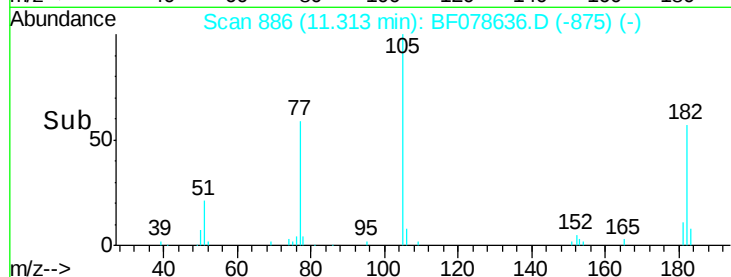
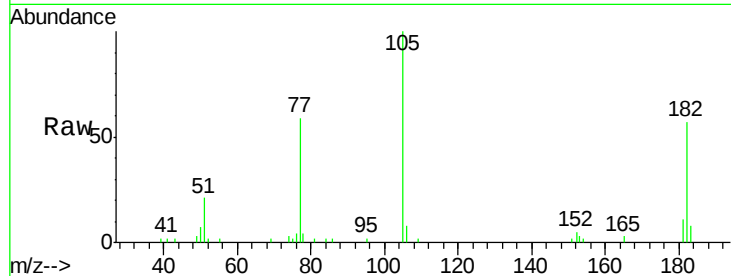




#62
Azobenzene
Concen: 2.17 ng
RT: 11.31 min Scan# 886
Delta R.T. 0.02 min
Lab File: BF078636.D
Acq: 18 Apr 2015 10:56

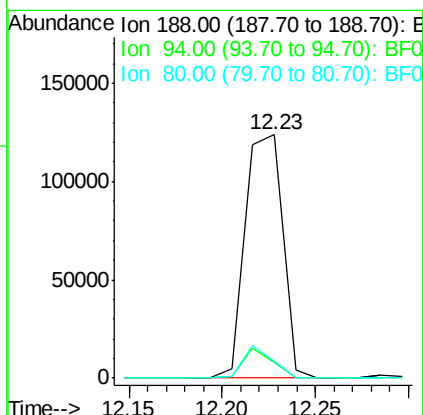
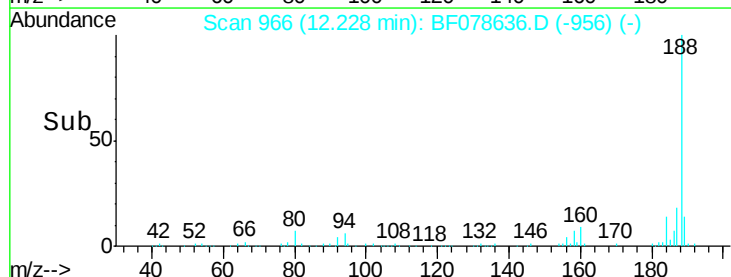
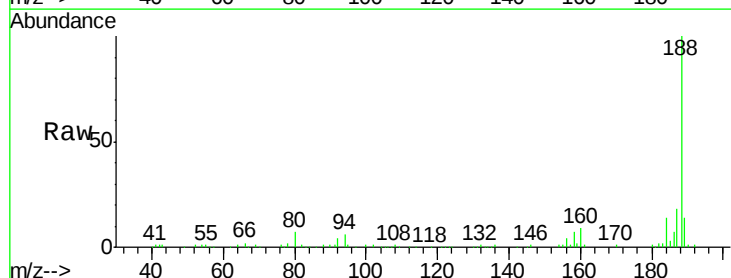
Instrument :
BNA_F
ClientSampleId :
LS-SB07

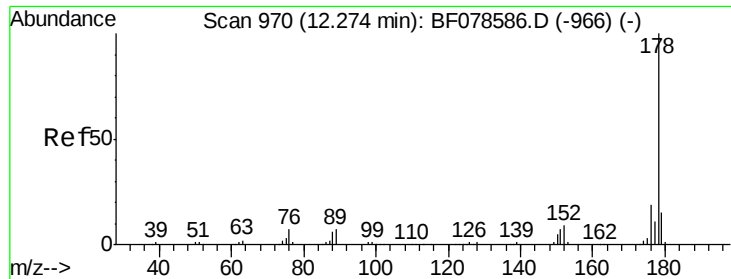
Tgt Ion: 77 Resp: 12158
Ion Ratio Lower Upper
77 100
182 95.5 0.0 36.8#
105 168.6 0.3 40.3#
51 35.6 9.1 49.1



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.23 min Scan# 966
Delta R.T. 0.01 min
Lab File: BF078636.D
Acq: 18 Apr 2015 10:56

Tgt Ion: 188 Resp: 172287
Ion Ratio Lower Upper
188 100
94 6.5 9.0 13.4#
80 6.8 9.5 14.3#

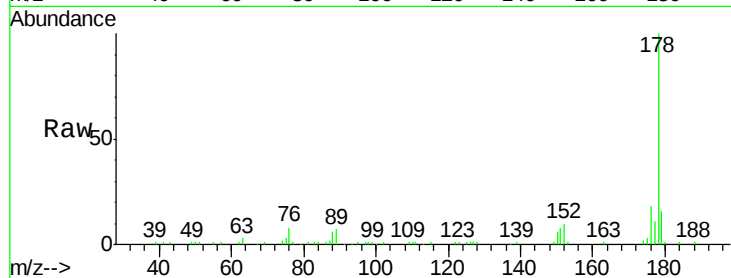




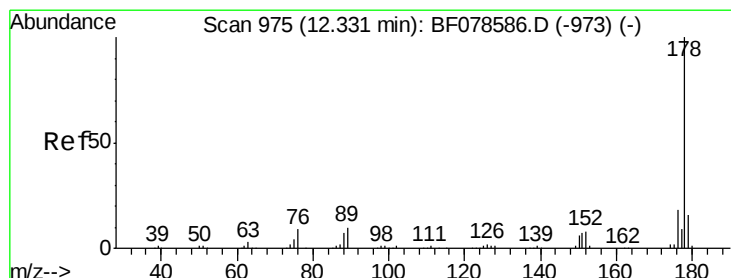
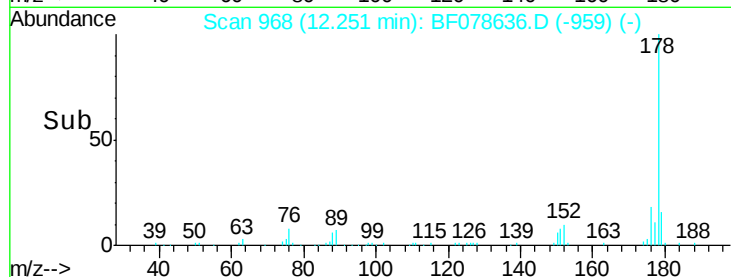
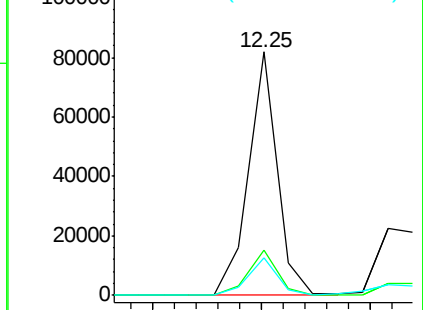
#70
 Phenanthrene
 Concen: 7.55 ng
 RT: 12.25 min Scan# 968
 Delta R.T. -0.00 min
 Lab File: BF078636.D
 Acq: 18 Apr 2015 10:56

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB07

Tgt Ion:178 Resp: 75292
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.4 23.0
 179 15.6 12.2 18.2

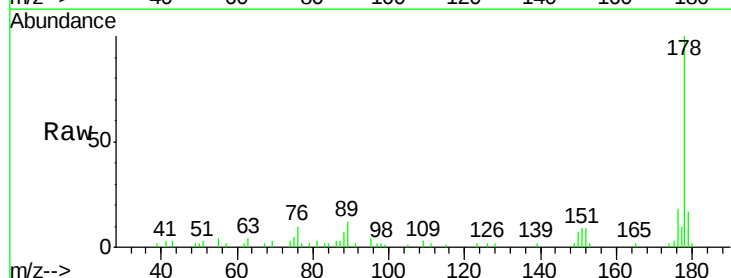


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

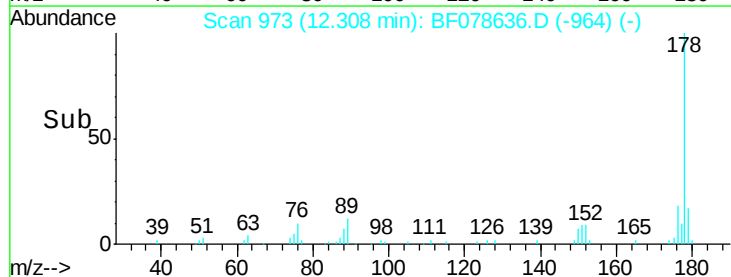
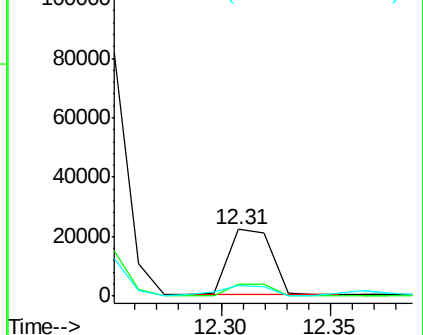


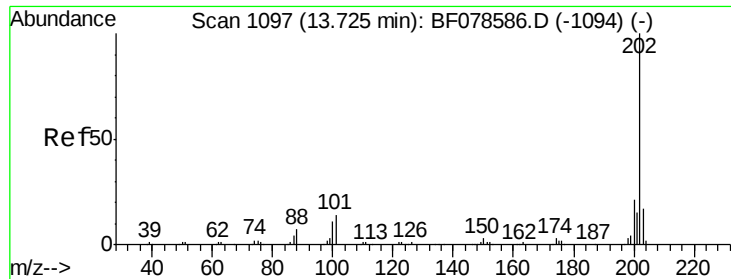
#71
 Anthracene
 Concen: 3.13 ng
 RT: 12.31 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: BF078636.D
 Acq: 18 Apr 2015 10:56

Tgt Ion:178 Resp: 30707
 Ion Ratio Lower Upper
 178 100
 176 17.9 14.8 22.2
 179 16.8 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: 16.21 ng

RT: 13.70 min Scan# 1095

Delta R.T. -0.00 min

Lab File: BF078636.D

Acq: 18 Apr 2015 10:56

Instrument :

BNA_F

ClientSampleId :

LS-SB07

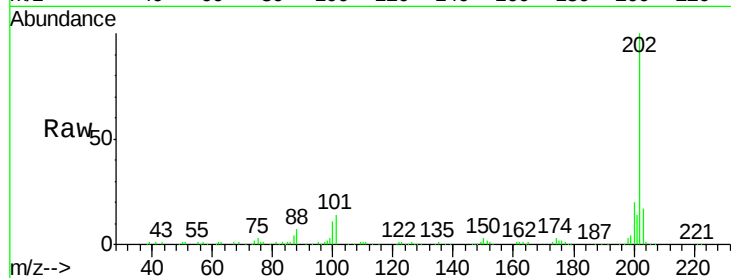
Tgt Ion:202 Resp: 170355

Ion Ratio Lower Upper

202 100

101 14.5 0.0 35.2

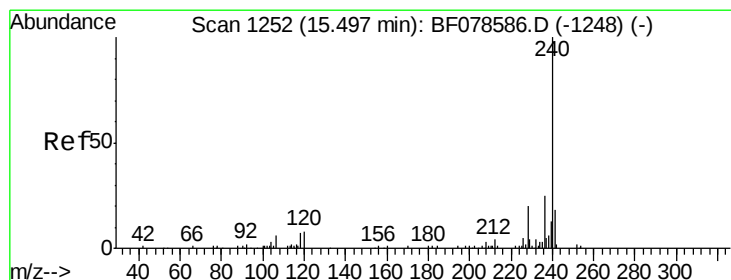
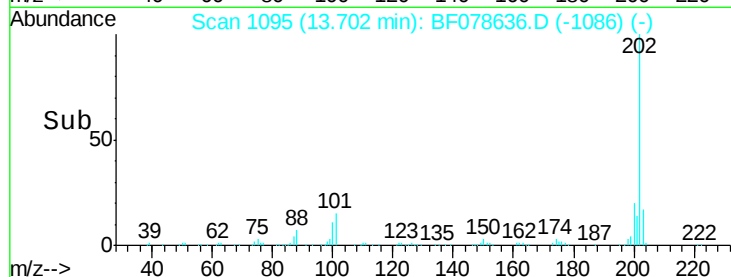
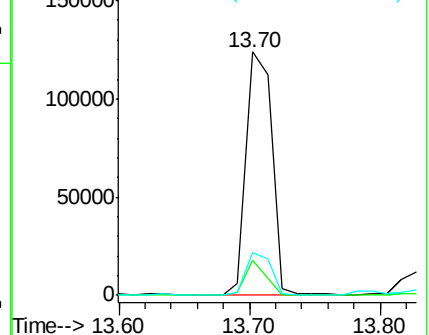
203 17.4 0.0 38.5



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: 15.47 min Scan# 1250

Delta R.T. 0.01 min

Lab File: BF078636.D

Acq: 18 Apr 2015 10:56

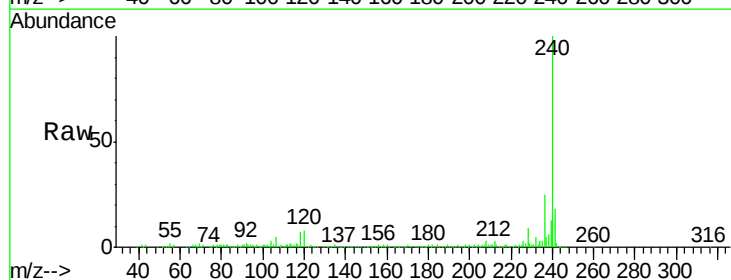
Tgt Ion:240 Resp: 204324

Ion Ratio Lower Upper

240 100

120 7.9 7.1 10.7

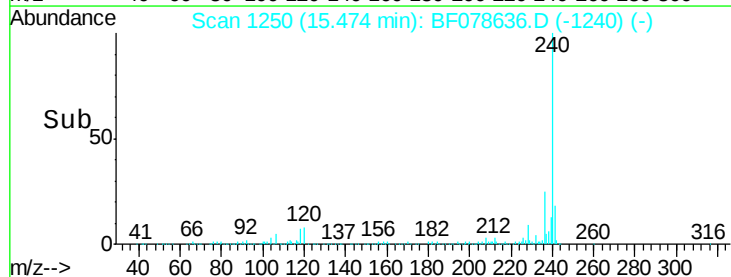
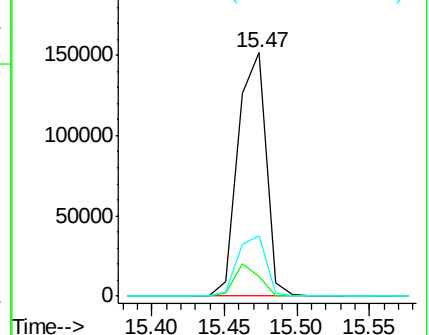
236 24.9 21.4 32.2

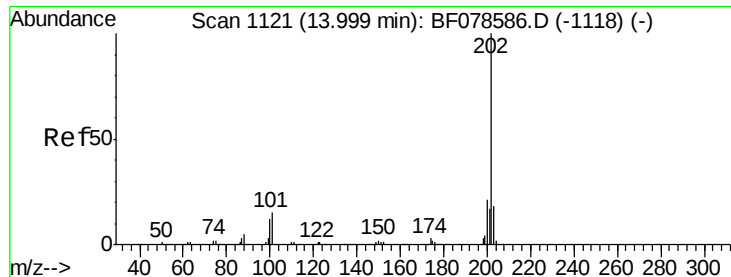


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 11.38 ng

RT: 13.98 min Scan# 1119

Delta R.T. -0.00 min

Lab File: BF078636.D

Acq: 18 Apr 2015 10:56

Instrument :

BNA_F

ClientSampleId :

LS-SB07

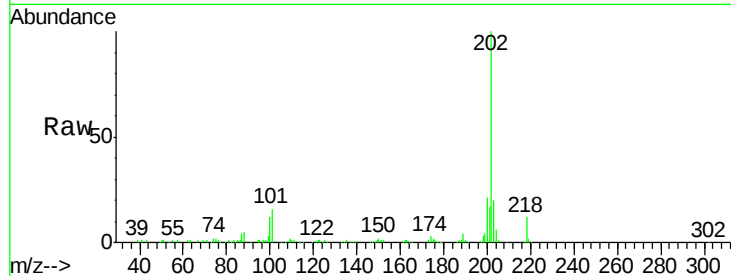
Tgt Ion:202 Resp: 146010

Ion Ratio Lower Upper

202 100

200 20.5 16.3 24.5

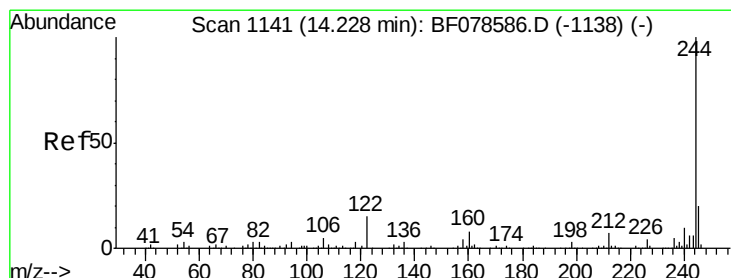
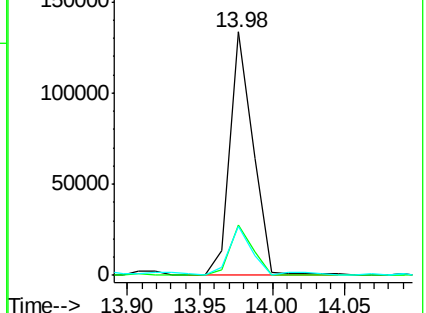
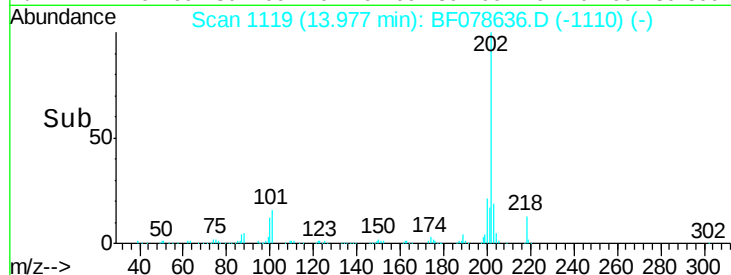
203 20.2 13.8 20.6



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: 34.66 ng

RT: 14.21 min Scan# 1139

Delta R.T. -0.00 min

Lab File: BF078636.D

Acq: 18 Apr 2015 10:56

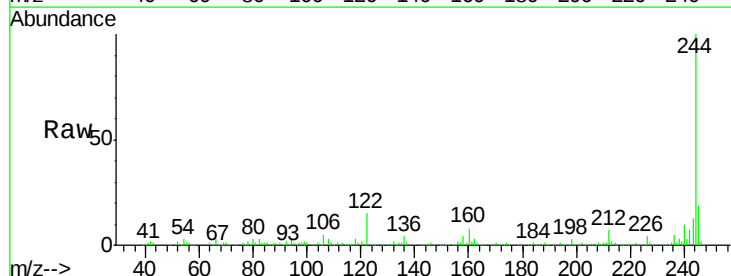
Tgt Ion:244 Resp: 313448

Ion Ratio Lower Upper

244 100

212 7.3 5.0 7.4

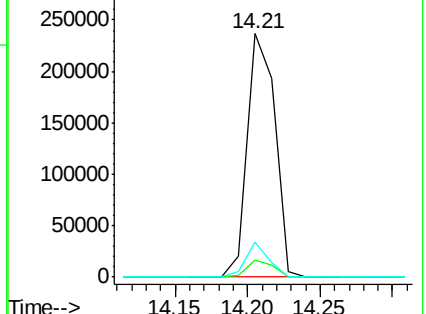
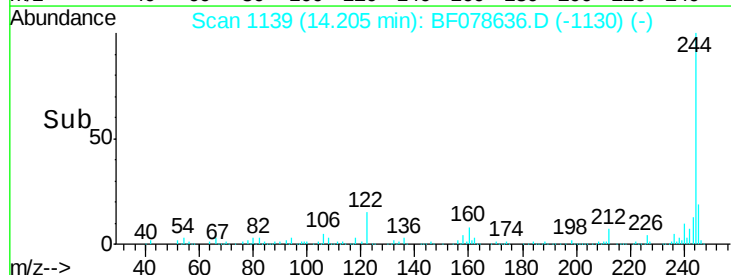
122 14.6 7.1 10.7#

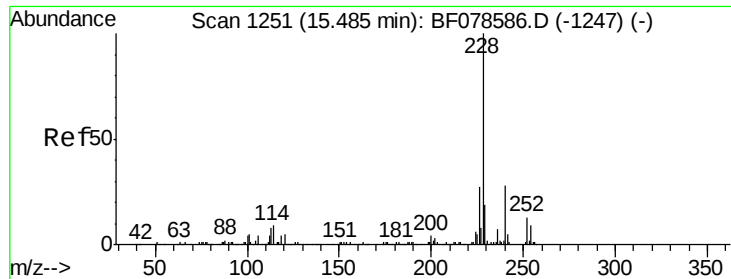


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

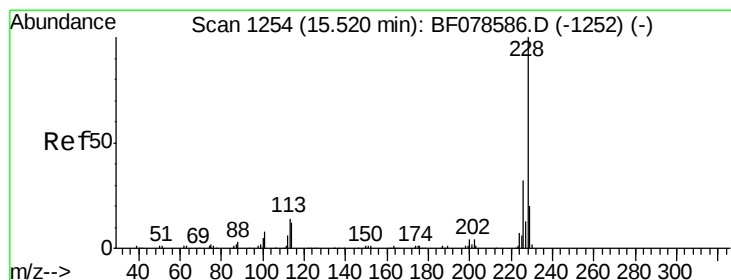
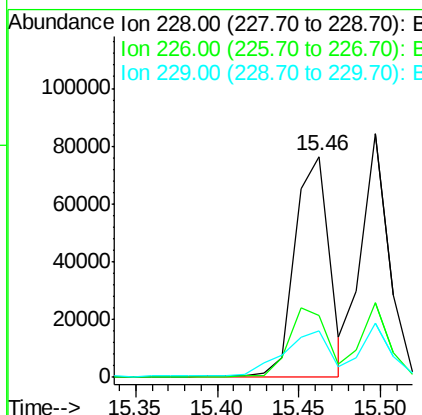
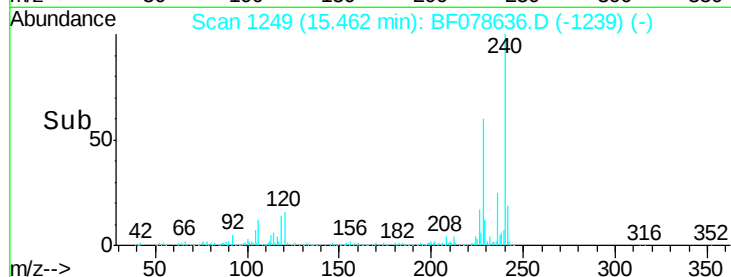
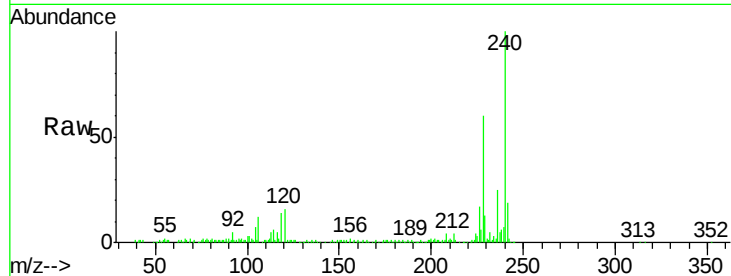




#80
Benzo(a)anthracene
Concen: 9.33 ng
RT: 15.46 min Scan# 1249
Delta R.T. 0.01 min
Lab File: BF078636.D
Acq: 18 Apr 2015 10:56

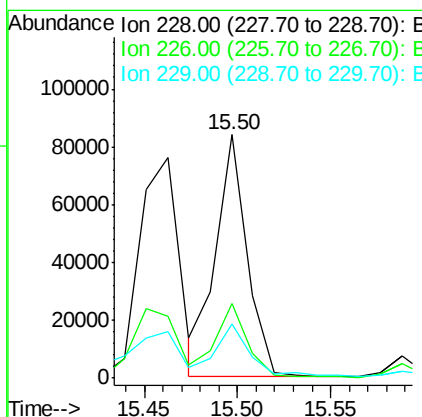
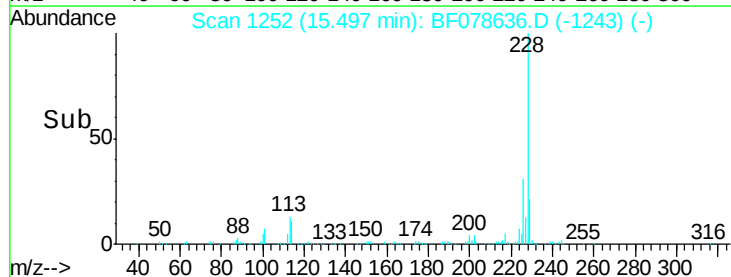
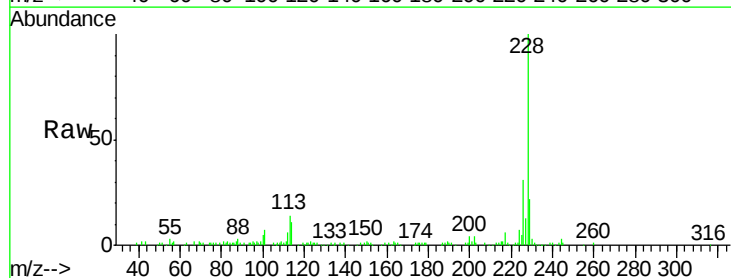
Instrument :
BNA_F
ClientSampleId :
LS-SB07

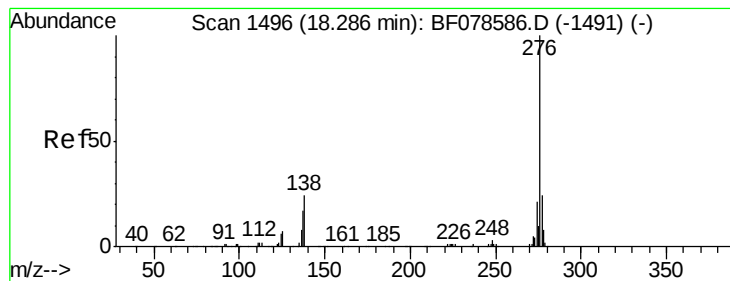
Tgt Ion: 228 Resp: 113470
Ion Ratio Lower Upper
228 100
226 28.3 21.3 31.9
229 21.1 15.4 23.2



#82
Chrysene
Concen: 8.58 ng
RT: 15.50 min Scan# 1252
Delta R.T. -0.00 min
Lab File: BF078636.D
Acq: 18 Apr 2015 10:56

Tgt Ion: 228 Resp: 97984
Ion Ratio Lower Upper
228 100
226 30.9 24.2 36.4
229 22.0 15.8 23.8





#85

Indeno(1,2,3-cd)pyrene

Concen: 6.53 ng

RT: 18.34 min Scan# 1501

Delta R.T. -0.00 min

Lab File: BF078636.D

Acq: 18 Apr 2015 10:56

Instrument :

BNA_F

ClientSampleId :

LS-SB07

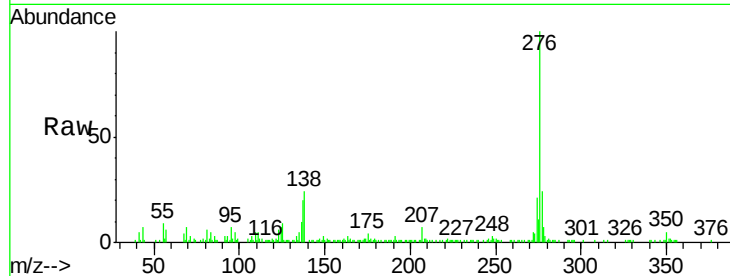
Tgt Ion:276 Resp: 84635

Ion Ratio Lower Upper

276 100

138 23.2 16.9 25.3

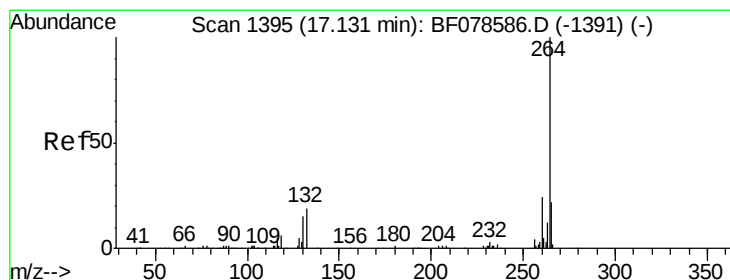
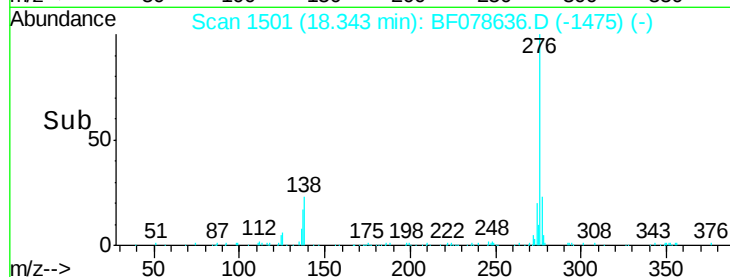
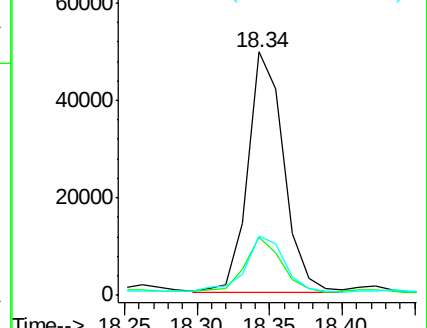
277 26.3 15.8 23.6#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 17.17 min Scan# 1398

Delta R.T. 0.01 min

Lab File: BF078636.D

Acq: 18 Apr 2015 10:56

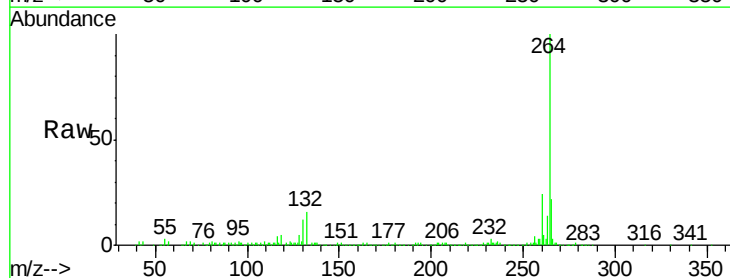
Tgt Ion:264 Resp: 212211

Ion Ratio Lower Upper

264 100

260 23.9 18.6 27.8

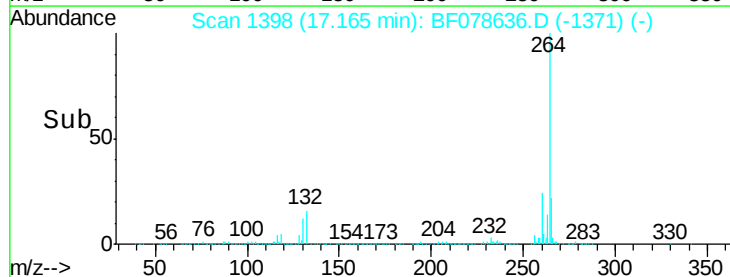
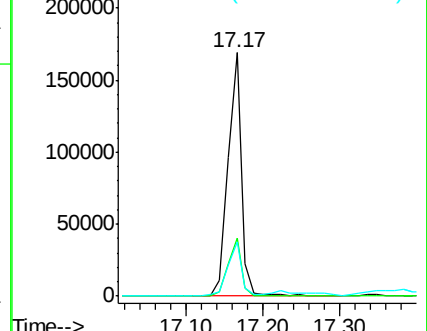
265 22.0 17.0 25.6

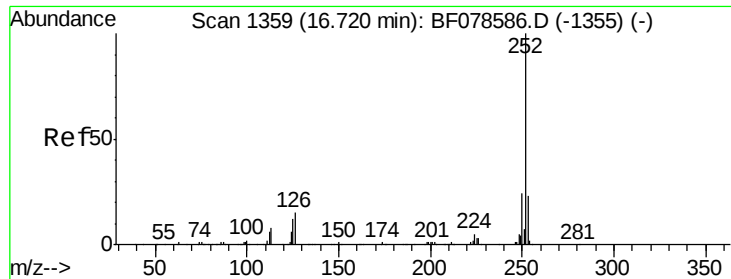


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 17.26 ng

RT: 16.73 min Scan# 1360

Delta R.T. -0.00 min

Lab File: BF078636.D

Acq: 18 Apr 2015 10:56

Instrument :

BNA_F

ClientSampleId :

LS-SB07

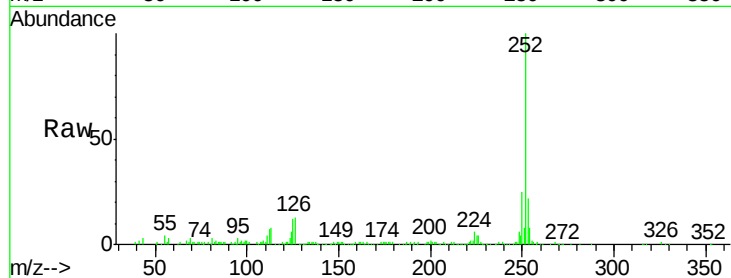
Tgt Ion:252 Resp: 226420

Ion Ratio Lower Upper

252 100

253 22.5 17.2 25.8

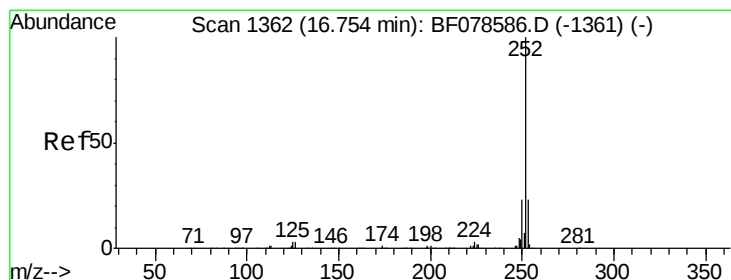
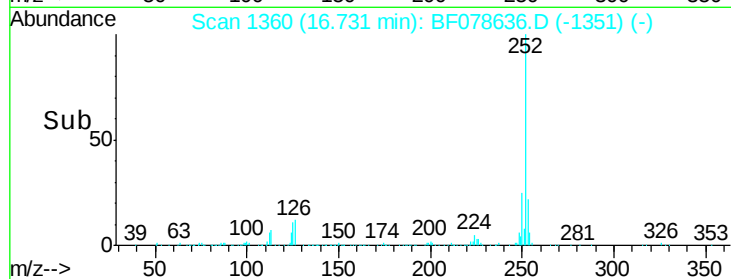
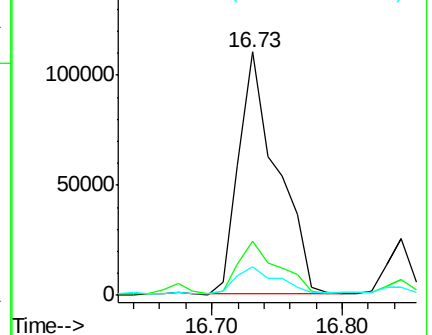
125 12.0 7.0 10.4#



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



#88

Benzo(k)fluoranthene

Concen: 19.53 ng

RT: 16.73 min Scan# 1360

Delta R.T. -0.02 min

Lab File: BF078636.D

Acq: 18 Apr 2015 10:56

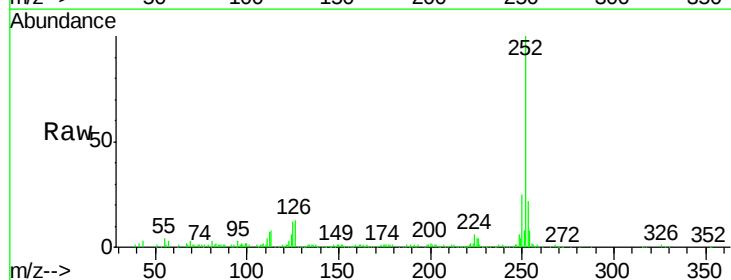
Tgt Ion:252 Resp: 227649

Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

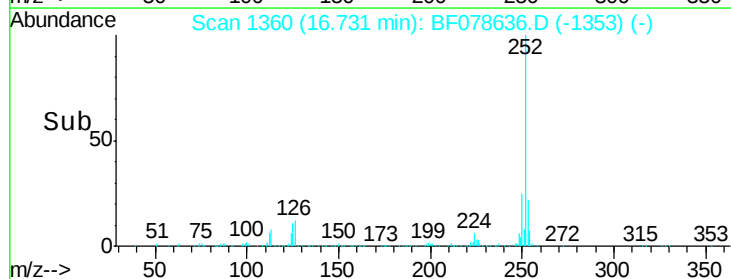
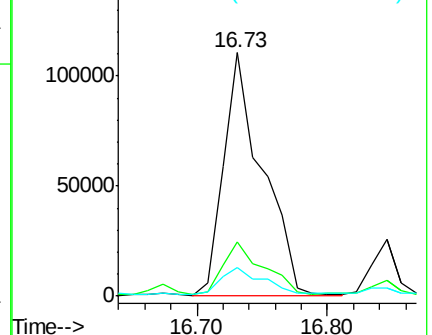
125 12.0 11.6 17.4

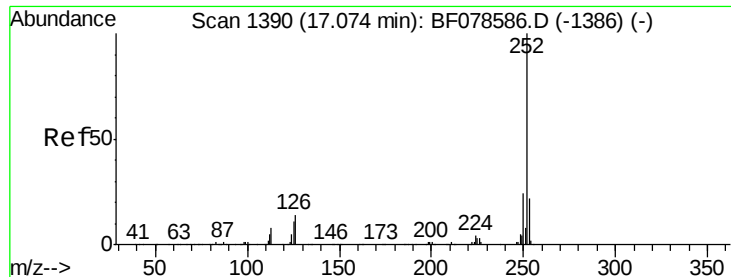


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 9.35 ng

RT: 17.10 min Scan# 1392

Delta R.T. -0.00 min

Lab File: BF078636.D

Acq: 18 Apr 2015 10:56

Instrument :

BNA_F

ClientSampleId :

LS-SB07

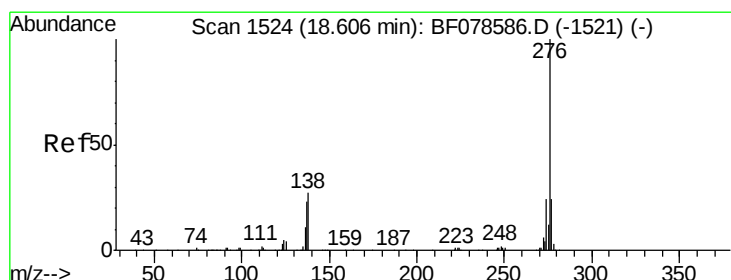
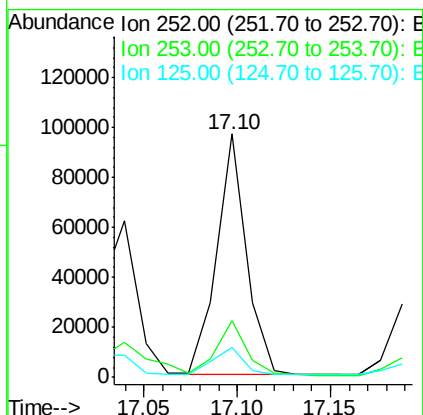
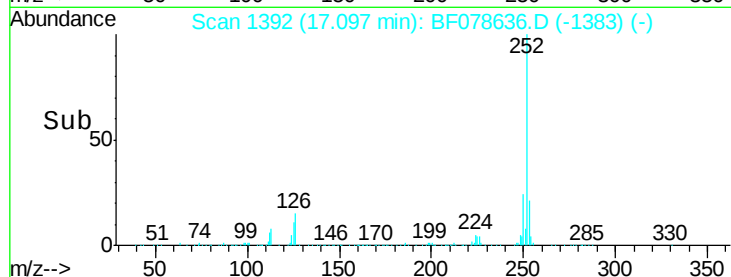
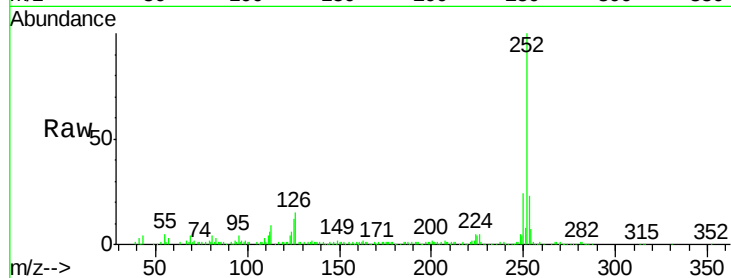
Tgt Ion:252 Resp: 107058

Ion Ratio Lower Upper

252 100

253 23.4 16.8 25.2

125 12.1 7.4 11.0#



#91

Benzo(g,h,i)perylene

Concen: 6.36 ng

RT: 18.67 min Scan# 1530

Delta R.T. 0.01 min

Lab File: BF078636.D

Acq: 18 Apr 2015 10:56

Tgt Ion:276 Resp: 73080

Ion Ratio Lower Upper

276 100

277 24.4 19.0 28.4

138 21.1 19.9 29.9

