

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050515\
 Data File : BF078948.D
 Acq On : 5 May 2015 18:54
 Operator : TP/IZ
 Sample : G2044-17
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-49S

Quant Time: May 06 02:07:41 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 06 00:45:00 2015
 Response via : Initial Calibration

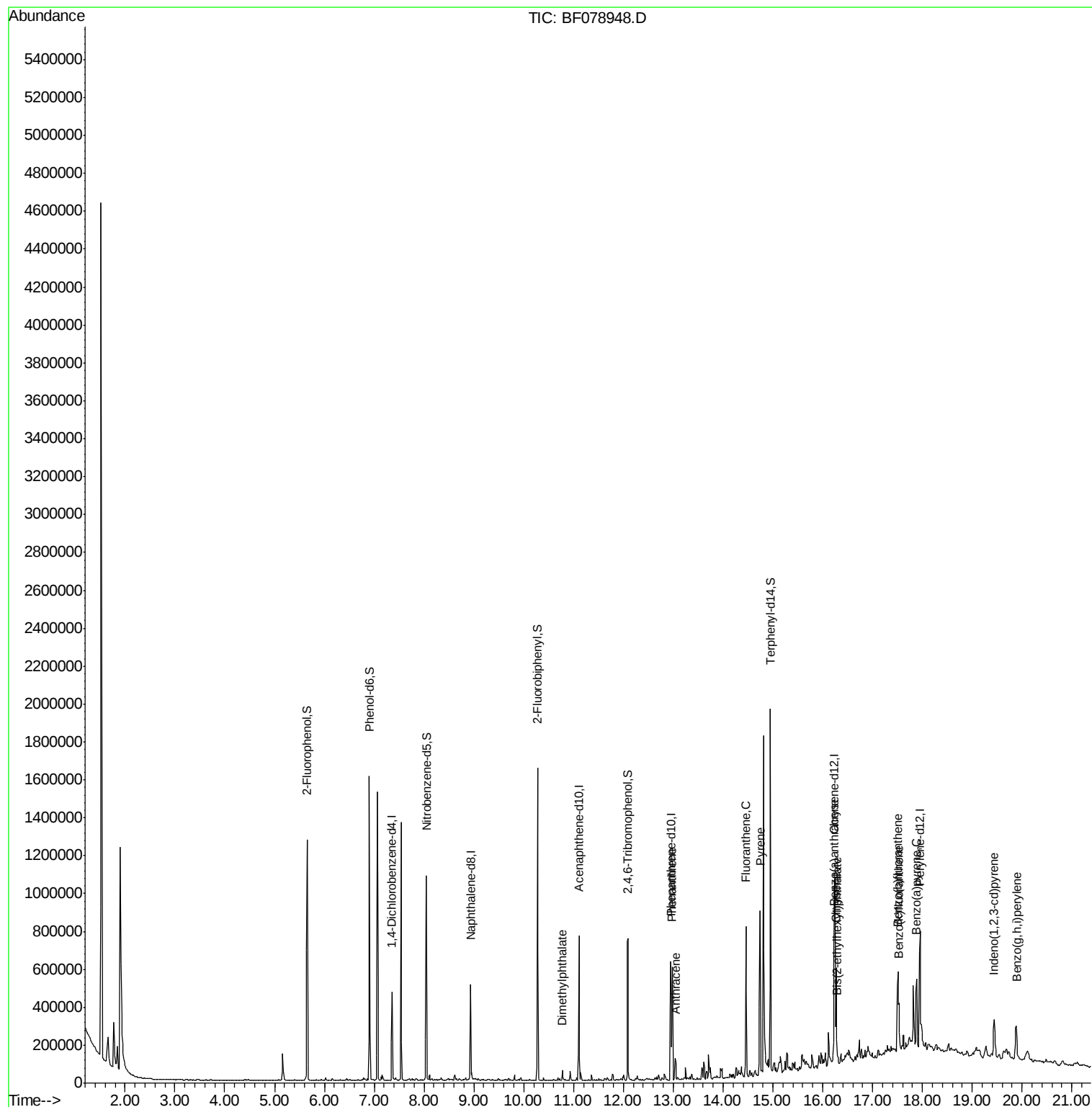
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.36	152	77695	20.00	ng	0.00
21) Naphthalene-d8	8.94	136	310853	20.00	ng	0.00
38) Acenaphthene-d10	11.11	164	151644	20.00	ng	0.00
63) Phenanthrene-d10	12.95	188	284164	20.00	ng	-0.01
75) Chrysene-d12	16.24	240	308663	20.00	ng	-0.03
86) Perylene-d12	17.95	264	336152	20.00	ng	-0.14
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	415837	92.13	ng	0.01
7) Phenol-d6	6.90	99	528753	88.63	ng	0.00
23) Nitrobenzene-d5	8.04	82	321223	59.39	ng	0.00
41) 2,4,6-Tribromophenol	12.09	330	140369	85.56	ng	0.00
44) 2-Fluorobiphenyl	10.27	172	576382	52.95	ng	-0.01
78) Terphenyl-d14	14.95	244	620661	48.14	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	10.78	163	22265	2.00	ng	99
70) Phenanthrene	12.98	178	236187	14.86	ng	99
71) Anthracene	13.04	178	60039	3.85	ng	99
74) Fluoranthene	14.46	202	391428	23.63	ng	99
77) Pyrene	14.74	202	367722	20.67	ng	98
80) Benzo(a)anthracene	16.23	228	225813	13.36	ng	97
82) Chrysene	16.27	228	179569	11.05	ng	96
83) Bis(2-ethylhexyl)phthalate	16.29	149	26333	2.24	ng	95
85) Indeno(1,2,3-cd)pyrene	19.44	276	145731m	7.04	ng	
87) Benzo(b)fluoranthene	17.51	252	265836	14.45	ng	98
88) Benzo(k)fluoranthene	17.53	252	107817m	6.05	ng	
89) Benzo(a)pyrene	17.89	252	206057	12.16	ng	97
91) Benzo(a,h,i)perylene	19.89	276	159327	8.83	ng	99

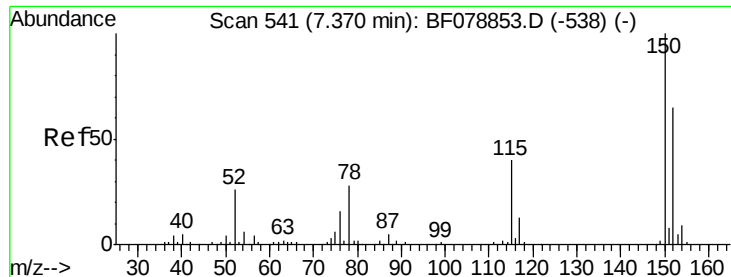
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.36 min Scan# 540

Delta R.T. -0.00 min

Lab File: BF078948.D

Acq: 5 May 2015 18:54

Instrument :

BNA_F

ClientSampleId :

SB-49S

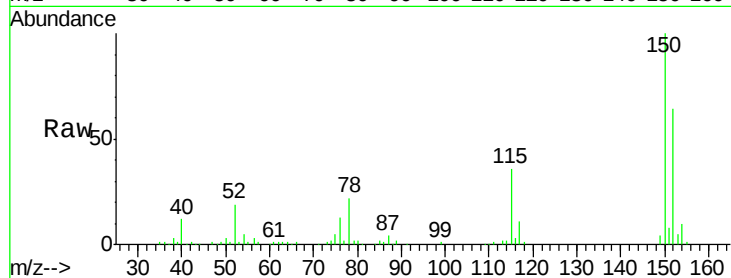
Tot Ion:152 Resp: 77695

Ion Ratio Lower Upper

152 100

150 156.1 122.0 183.0

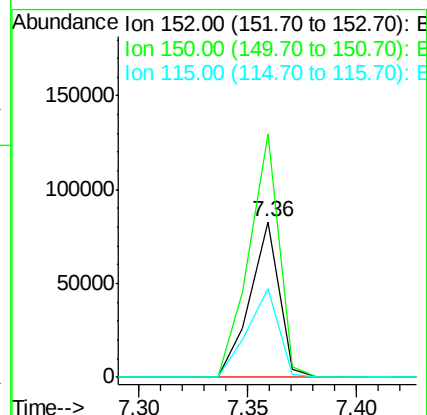
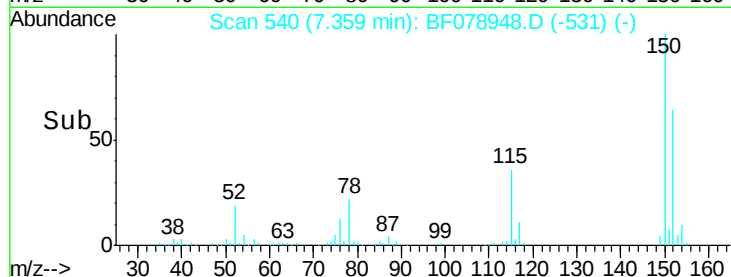
115 56.8 46.3 69.5



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: 92.13 ng

RT: 5.66 min Scan# 391

Delta R.T. 0.01 min

Lab File: BF078948.D

Acq: 5 May 2015 18:54

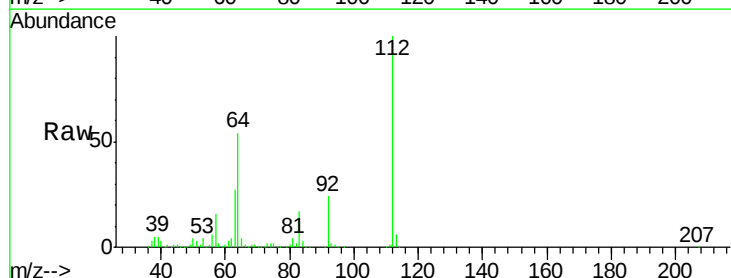
Tgt Ion:112 Resp: 415837

Ion Ratio Lower Upper

112 100

64 54.1 53.5 80.3

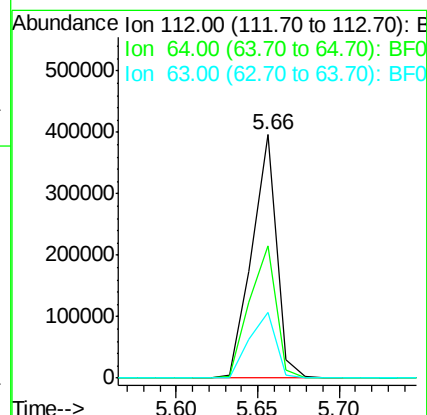
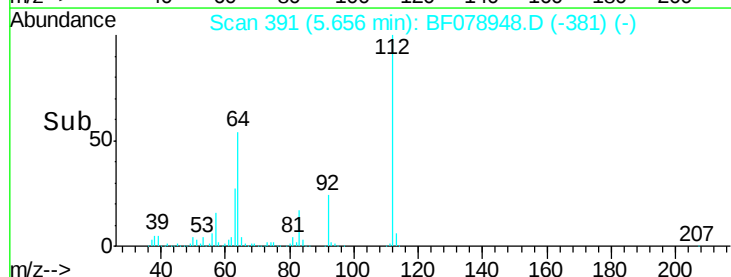
63 26.8 27.5 41.3#



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: 88.63 ng

RT: 6.90 min Scan# 500

Delta R.T. -0.00 min

Lab File: BF078948.D

Acq: 5 May 2015 18:54

Instrument :

BNA_F

ClientSampleId :

SB-49S

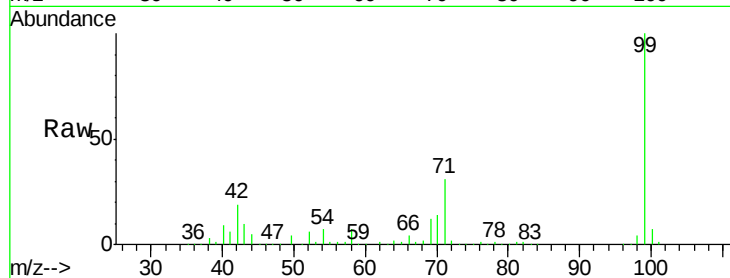
Tot Ion: 99 Resp: 528753

Ion Ratio Lower Upper

99 100

42 18.7 12.8 19.2

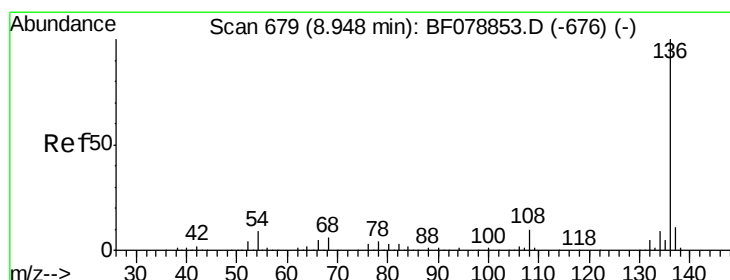
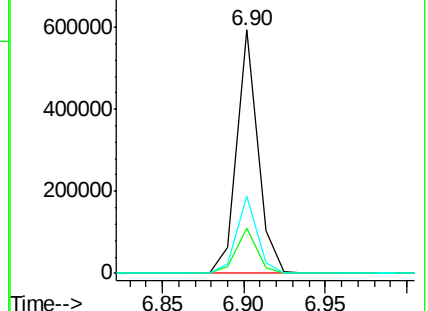
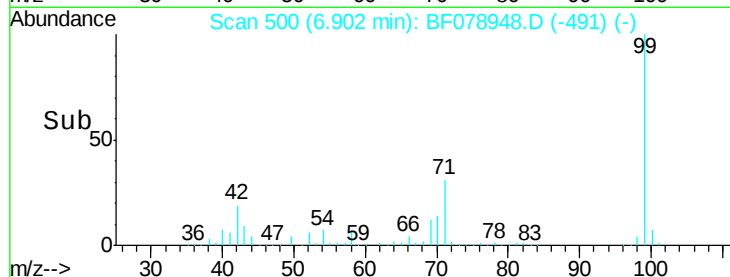
71 31.5 23.4 35.2



Abundance Ion 99.00 (98.70 to 99.70): BF078853.D (-498) (-)

Ion 42.00 (41.70 to 42.70): BF078853.D (-498) (-)

Ion 71.00 (70.70 to 71.70): BF078853.D (-498) (-)



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.94 min Scan# 678

Delta R.T. -0.00 min

Lab File: BF078948.D

Acq: 5 May 2015 18:54

Tgt Ion: 136 Resp: 310853

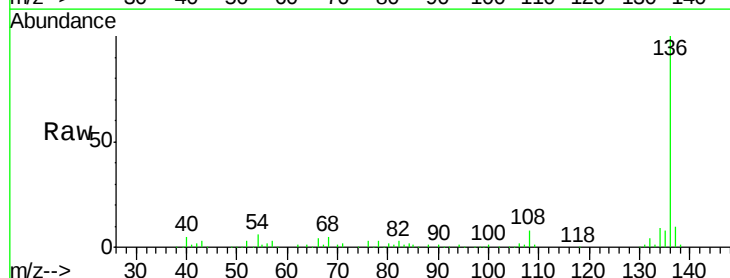
Ion Ratio Lower Upper

136 100

137 10.2 8.7 13.1

54 6.0 5.8 8.8

68 4.5 4.2 6.4

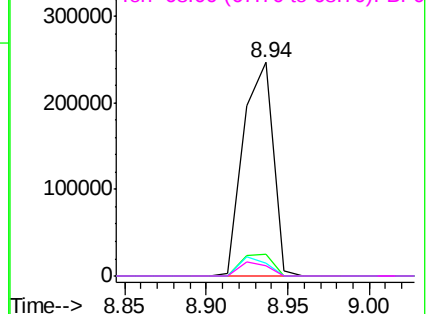
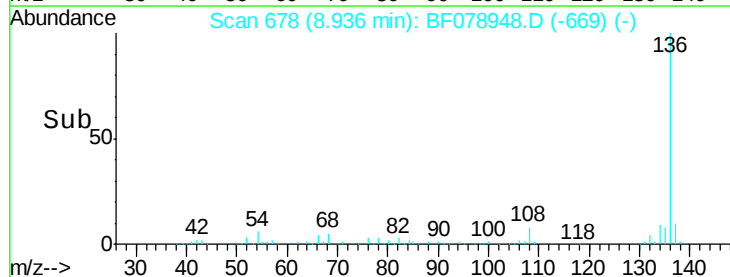


Abundance Ion 136.00 (135.70 to 136.70): BF078853.D (-676) (-)

Ion 137.00 (136.70 to 137.70): BF078853.D (-676) (-)

Ion 54.00 (53.70 to 54.70): BF078853.D (-676) (-)

Ion 68.00 (67.70 to 68.70): BF078853.D (-676) (-)

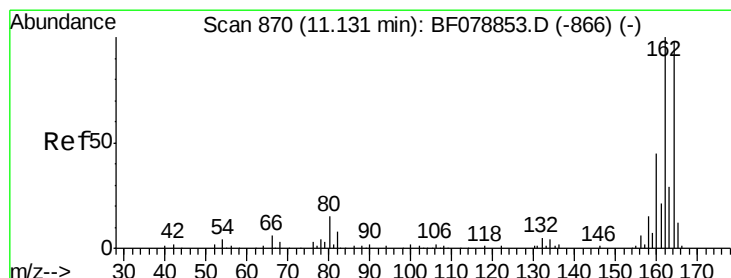
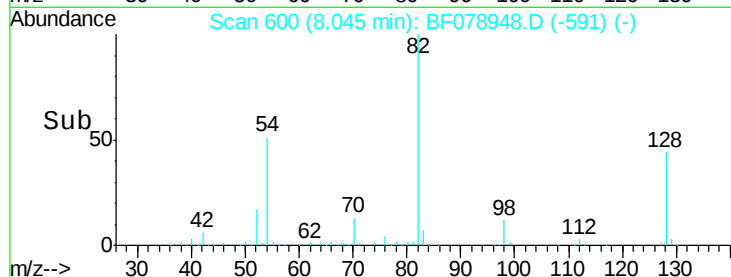
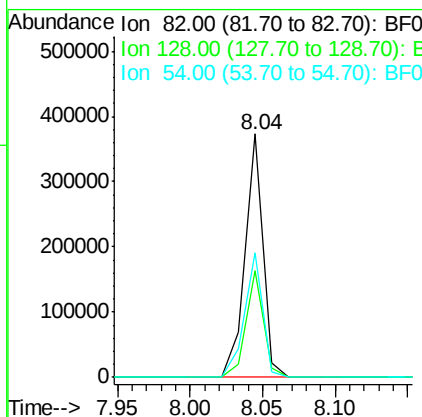
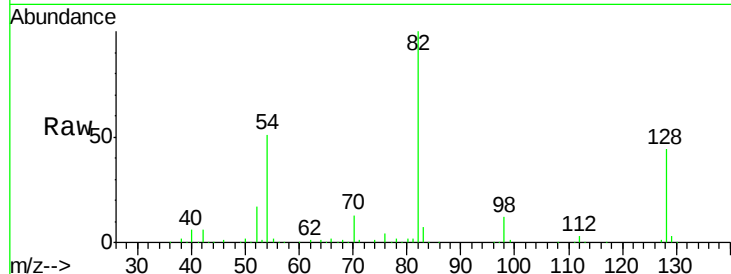




#23
 Nitrobenzene-d5
 Concen: 59.39 ng
 RT: 8.04 min Scan# 600
 Delta R.T. -0.00 min
 Lab File: BF078948.D
 Acq: 5 May 2015 18:54

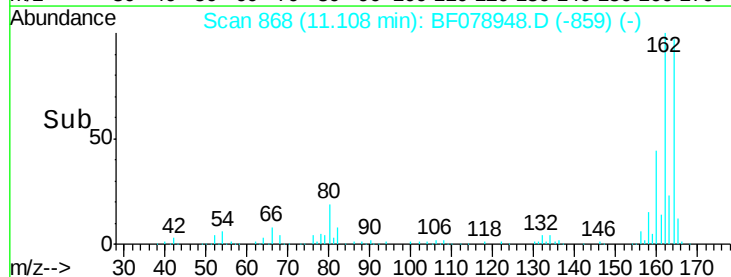
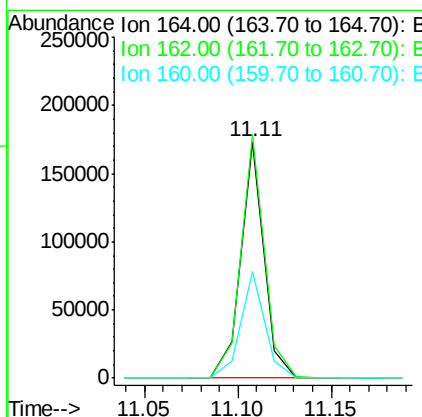
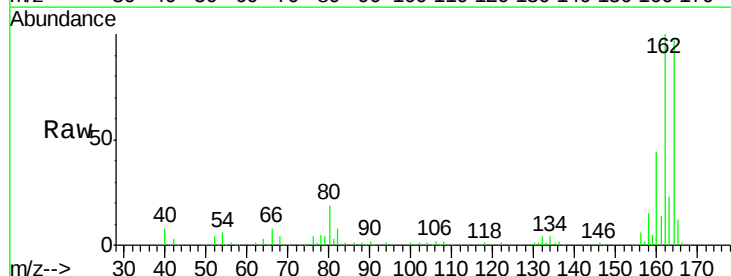
Instrument :
 BNA_F
 ClientSampleID :
 SB-49S

Tot Ion	82	Resp	321223
Ion Ratio	100	Lower	Upper
128	43.9	30.0	45.0
54	51.4	46.4	69.6



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.11 min Scan# 868
 Delta R.T. -0.00 min
 Lab File: BF078948.D
 Acq: 5 May 2015 18:54

Tgt Ion	164	Resp	151644
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
162	102.9	82.7	124.1
160	45.3	35.8	53.8

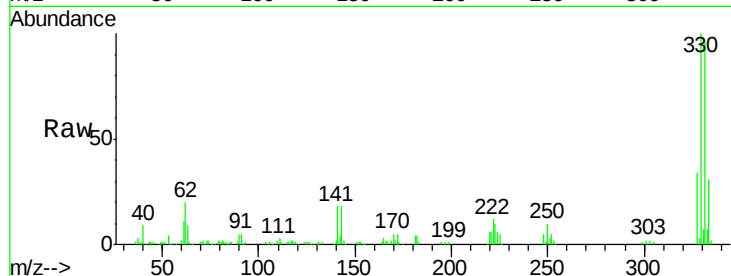




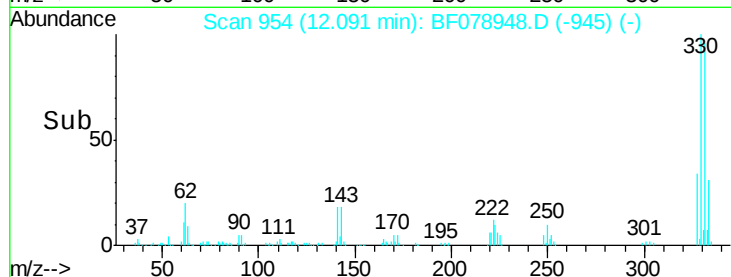
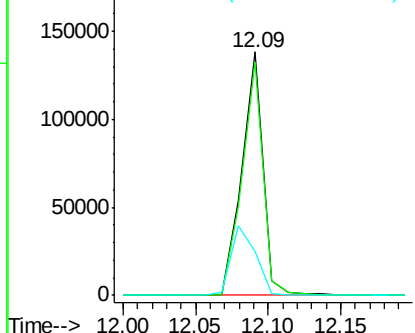
#41
 2,4,6-Tribromophenol
 Concen: 85.56 ng
 RT: 12.09 min Scan# 954
 Delta R.T. -0.00 min
 Lab File: BF078948.D
 Acq: 5 May 2015 18:54

Instrument :
 BNA_F
 ClientSampleId :
 SB-49S

Tot Ion:330 Resp: 140369
 Ion Ratio Lower Upper
 330 100
 332 95.1 0.0 0.0#
 141 33.7 0.0 0.0#

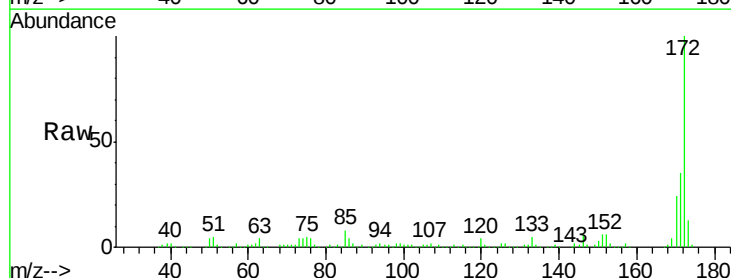


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

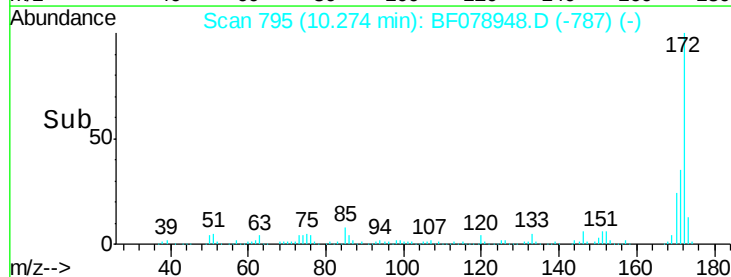
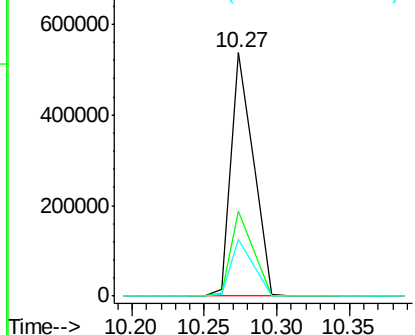


#44
 2-Fluorobiphenyl
 Concen: 52.95 ng
 RT: 10.27 min Scan# 795
 Delta R.T. -0.01 min
 Lab File: BF078948.D
 Acq: 5 May 2015 18:54

Tgt Ion:172 Resp: 576382
 Ion Ratio Lower Upper
 172 100
 171 34.7 27.9 41.9
 170 23.5 19.4 29.0



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: 2.00 ng

RT: 10.78 min Scan# 839

Delta R.T. -0.01 min

Lab File: BF078948.D

Acq: 5 May 2015 18:54

Instrument :

BNA_F

ClientSampleId :

SB-49S

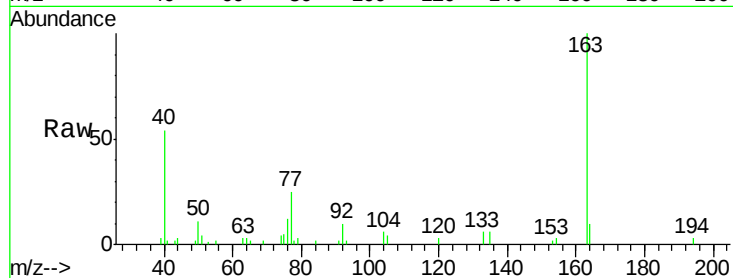
Tot Ion:163 Resp: 22265

Ion Ratio Lower Upper

163 100

194 2.9 2.6 4.0

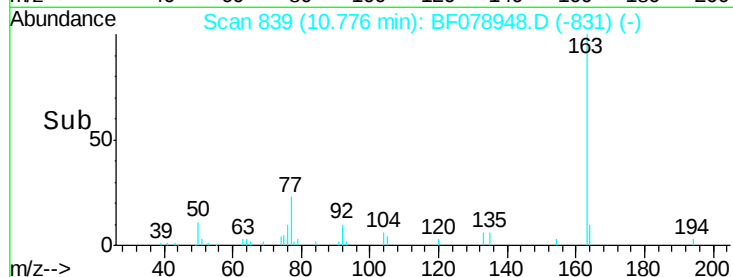
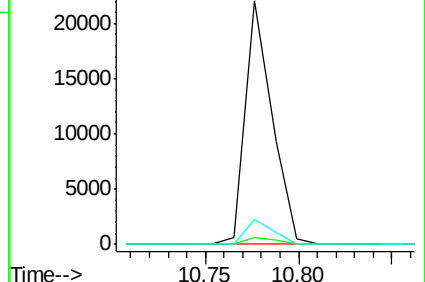
164 10.2 8.1 12.1



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.95 min Scan# 1029

Delta R.T. -0.01 min

Lab File: BF078948.D

Acq: 5 May 2015 18:54

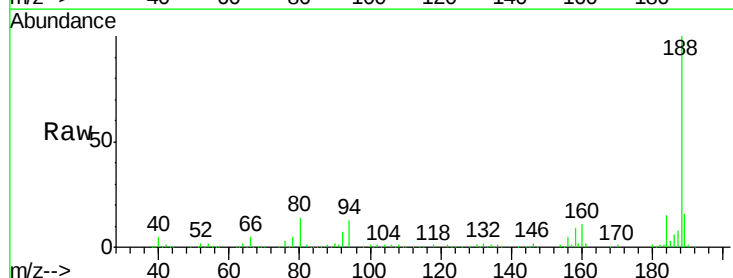
Tgt Ion:188 Resp: 284164

Ion Ratio Lower Upper

188 100

94 12.7 8.2 12.2#

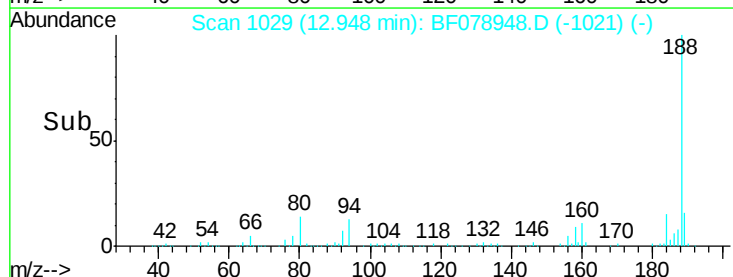
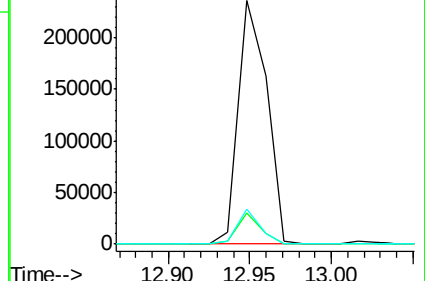
80 14.3 8.9 13.3#

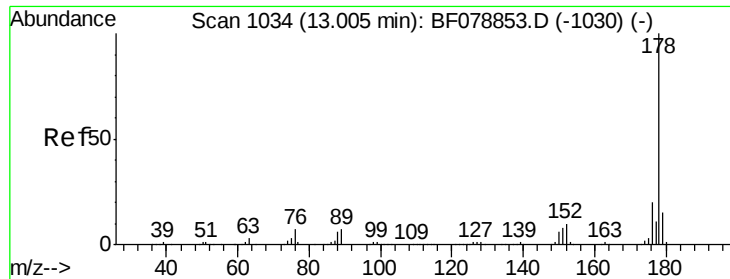


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

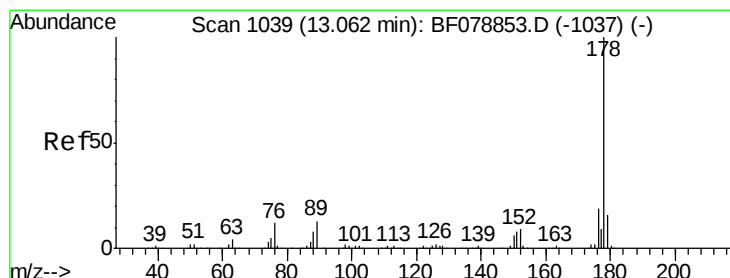
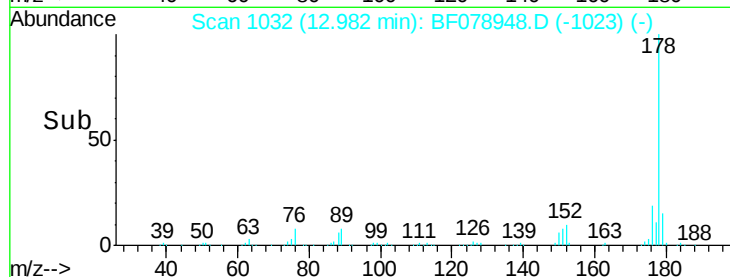
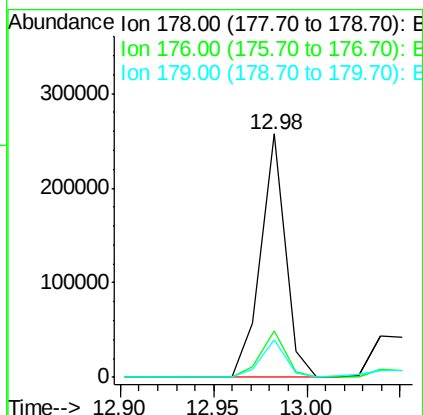
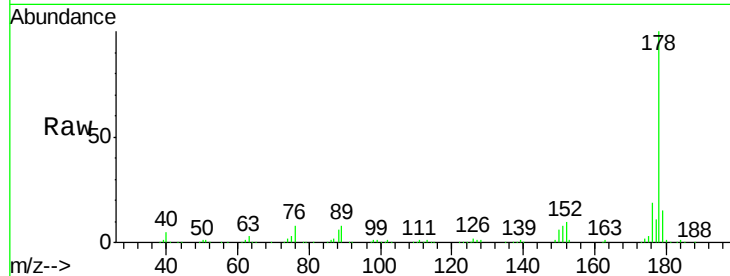




#70
Phenanthrene
Concen: 14.86 ng
RT: 12.98 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BF078948.D
Acq: 5 May 2015 18:54

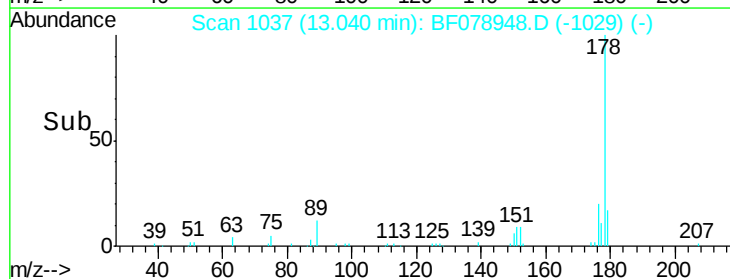
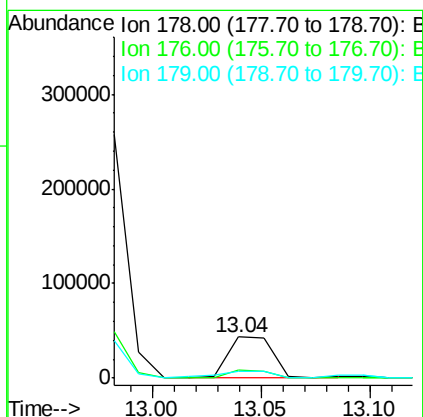
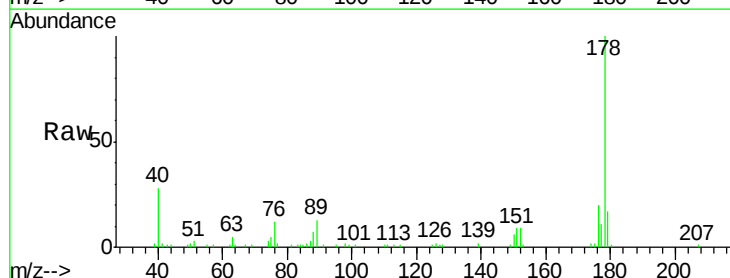
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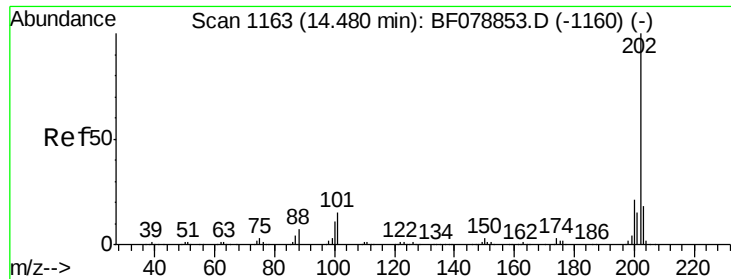
Tot Ion:178 Resp: 236187
Ion Ratio Lower Upper
178 100
176 19.3 15.8 23.8
179 15.2 12.5 18.7



#71
Anthracene
Concen: 3.85 ng
RT: 13.04 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF078948.D
Acq: 5 May 2015 18:54

Tgt Ion:178 Resp: 60039
Ion Ratio Lower Upper
178 100
176 19.7 15.5 23.3
179 16.9 12.7 19.1





#74

Fluoranthene

Concen: 23.63 ng

RT: 14.46 min Scan# 1161

Delta R.T. -0.01 min

Lab File: BF078948.D

Acq: 5 May 2015 18:54

Instrument :

BNA_F

ClientSampleId :

SB-49S

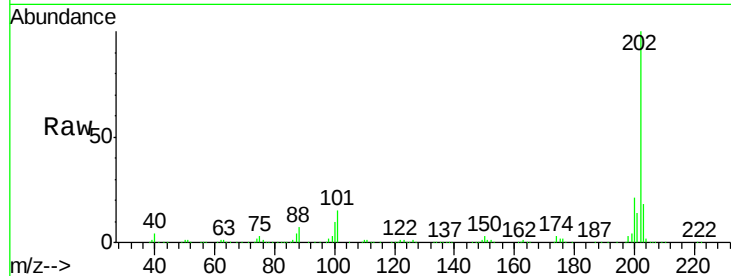
Tot Ion:202 Resp: 391428

Ion Ratio Lower Upper

202 100

101 14.9 0.0 34.6

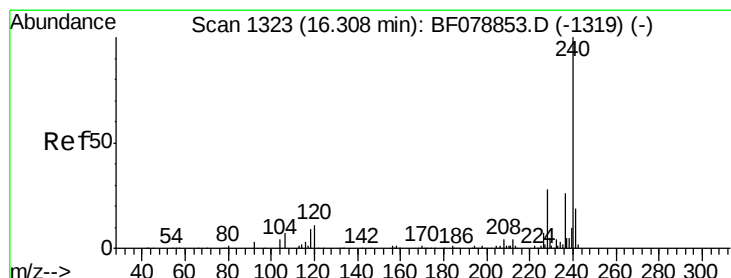
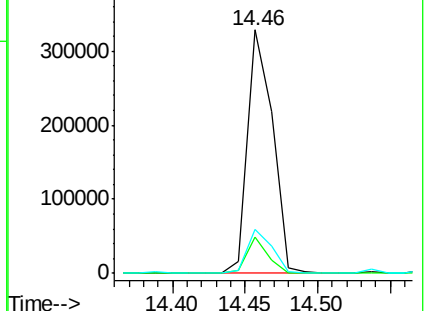
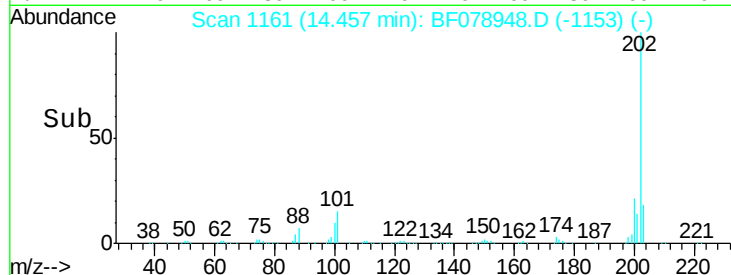
203 18.1 0.0 38.4



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: 16.24 min Scan# 1317

Delta R.T. -0.03 min

Lab File: BF078948.D

Acq: 5 May 2015 18:54

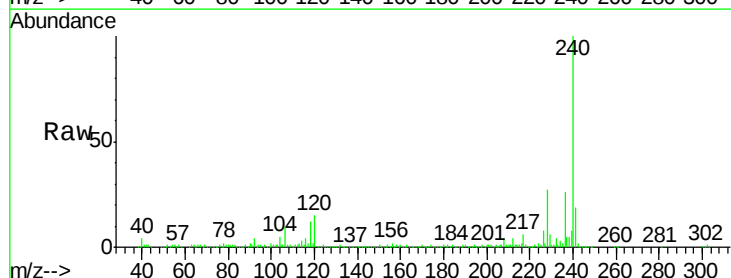
Tgt Ion:240 Resp: 308663

Ion Ratio Lower Upper

240 100

120 14.5 9.7 14.5#

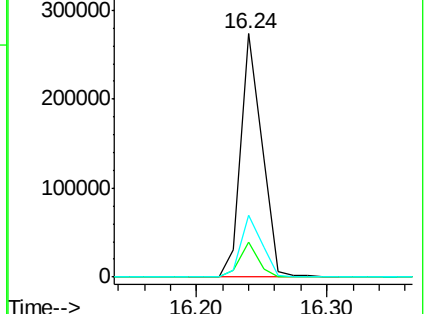
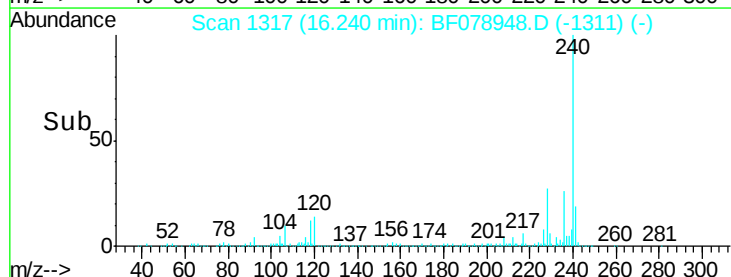
236 25.6 20.2 30.4

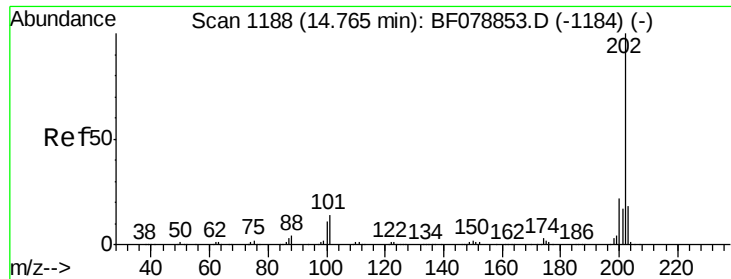


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 20.67 ng

RT: 14.74 min Scan# 1186

Delta R.T. -0.00 min

Lab File: BF078948.D

Acq: 5 May 2015 18:54

Instrument :

BNA_F

ClientSampled :

SB-49S

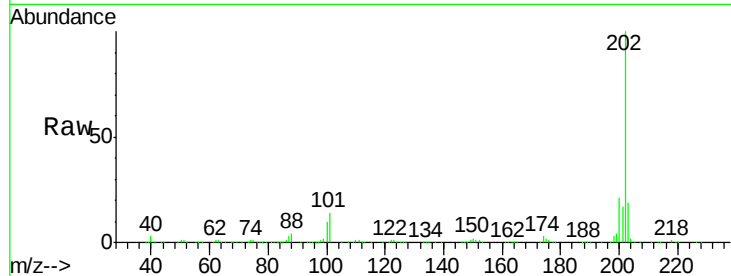
Tot Ion:202 Resp: 367722

Ion Ratio Lower Upper

202 100

200 21.5 17.5 26.3

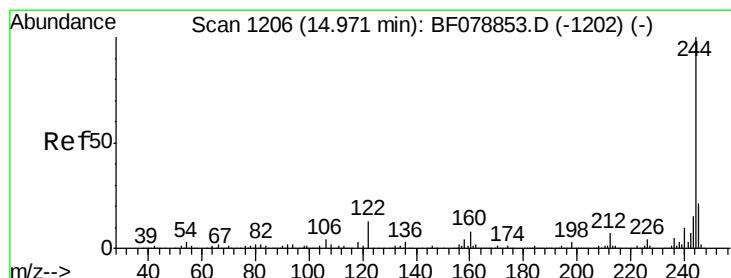
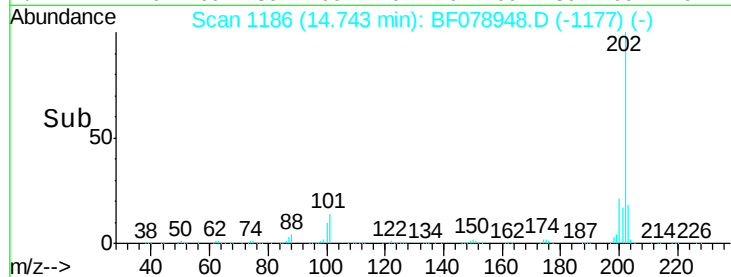
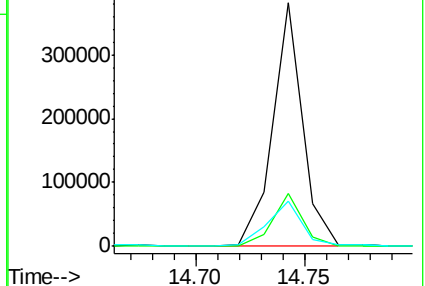
203 18.8 13.9 20.9



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: 48.14 ng

RT: 14.95 min Scan# 1204

Delta R.T. -0.00 min

Lab File: BF078948.D

Acq: 5 May 2015 18:54

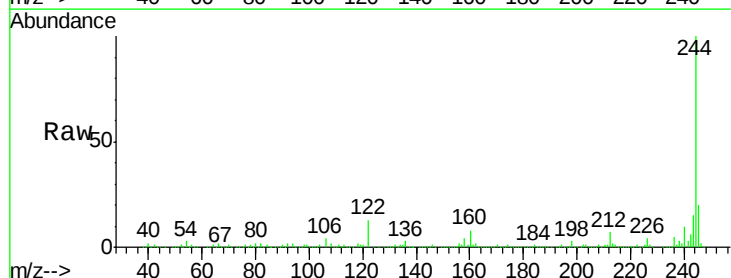
Tgt Ion:244 Resp: 620661

Ion Ratio Lower Upper

244 100

212 6.7 5.6 8.4

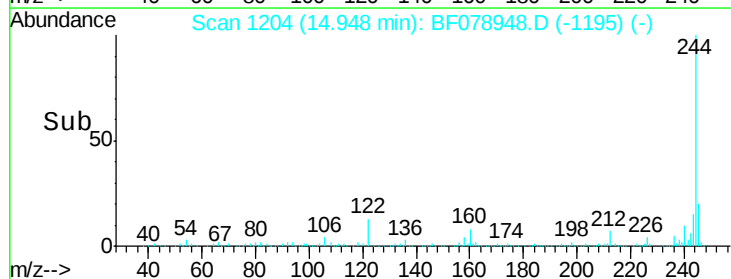
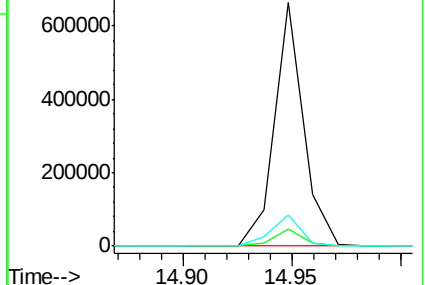
122 12.7 10.3 15.5

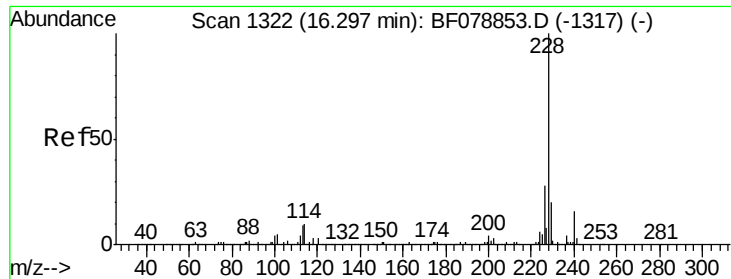


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 13.36 ng

RT: 16.23 min Scan# 1316

Delta R.T. -0.03 min

Lab File: BF078948.D

Acq: 5 May 2015 18:54

Instrument :

BNA_F

ClientSampleId :

SB-49S

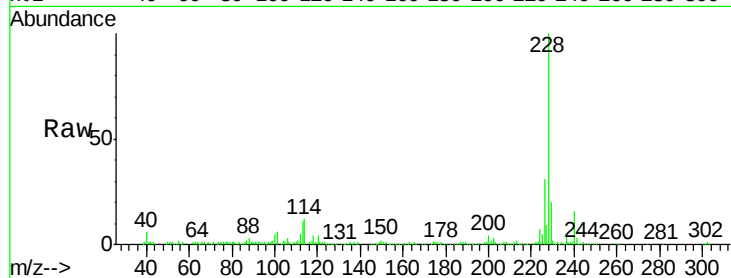
Tot Ion:228 Resp: 225813

Ion Ratio Lower Upper

228 100

226 30.9 22.6 33.8

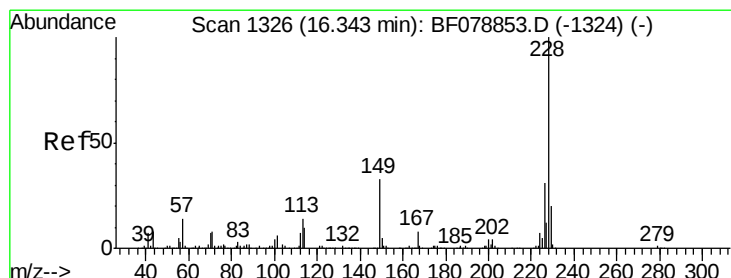
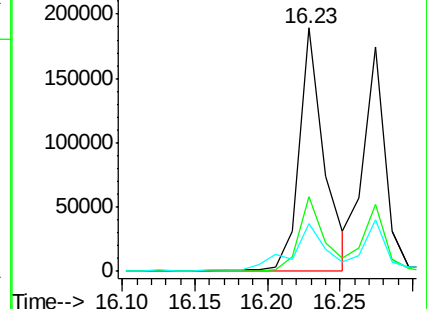
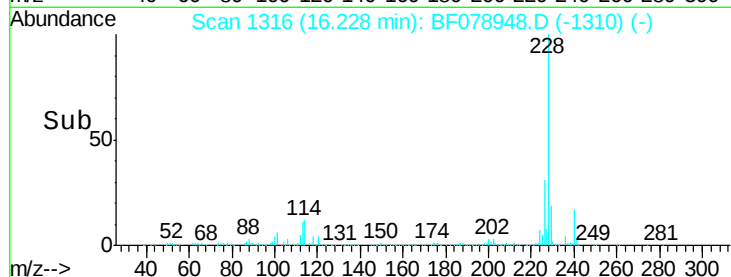
229 19.8 15.9 23.9



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: 11.05 ng

RT: 16.27 min Scan# 1320

Delta R.T. -0.03 min

Lab File: BF078948.D

Acq: 5 May 2015 18:54

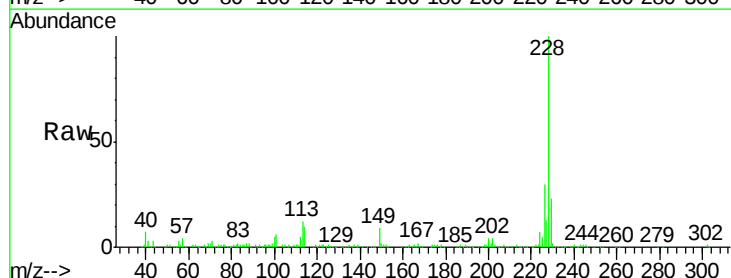
Tgt Ion:228 Resp: 179569

Ion Ratio Lower Upper

228 100

226 29.9 24.9 37.3

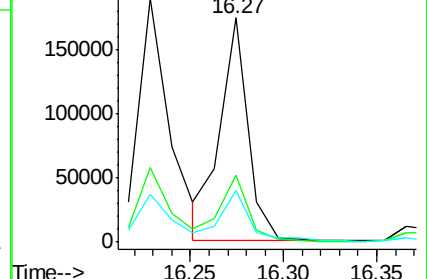
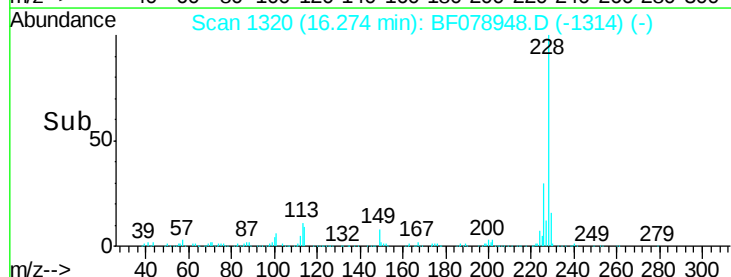
229 22.8 16.0 24.0

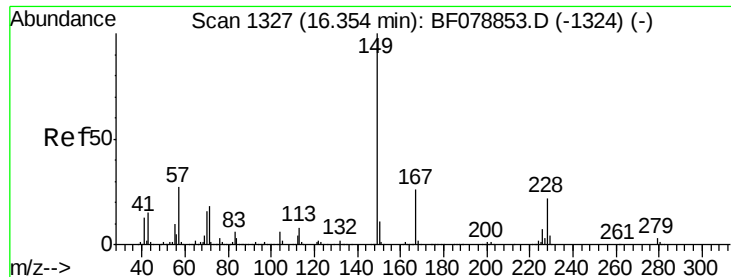


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

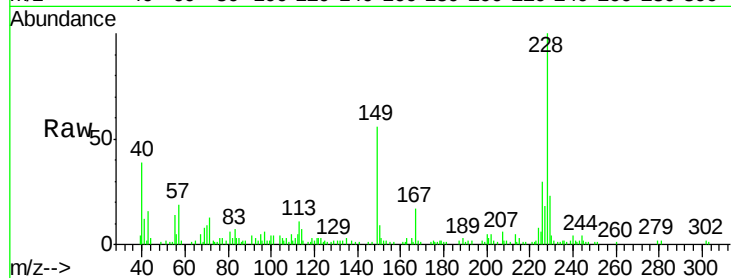




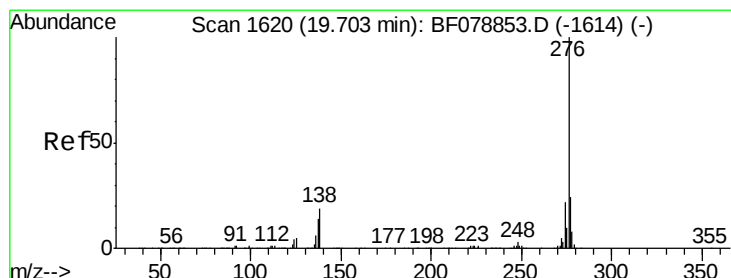
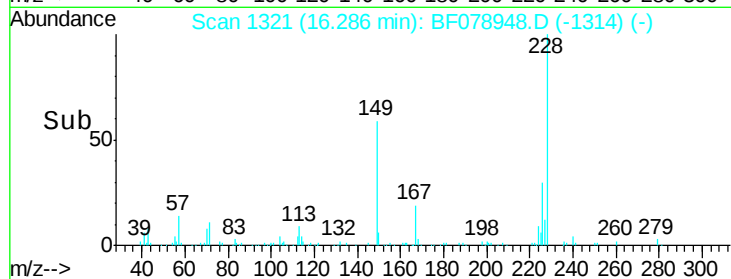
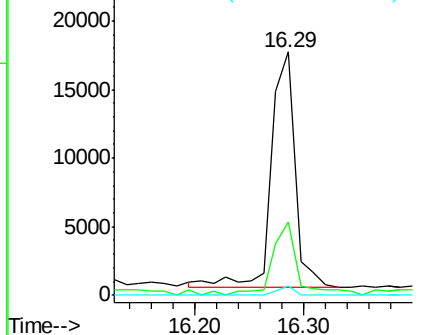
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 2.24 ng
 RT: 16.29 min Scan# 1321
 Delta R.T. -0.02 min
 Lab File: BF078948.D
 Acq: 5 May 2015 18:54

Instrument :
 BNA_F
 ClientSampleId :
 SB-49S

Tot Ion:149 Resp: 26333
 Ion Ratio Lower Upper
 149 100
 167 29.9 21.8 32.8
 279 4.1 2.9 4.3

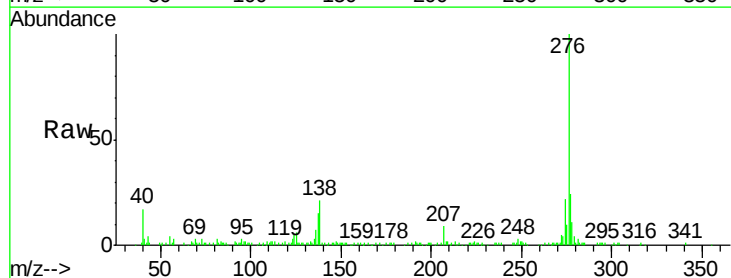


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

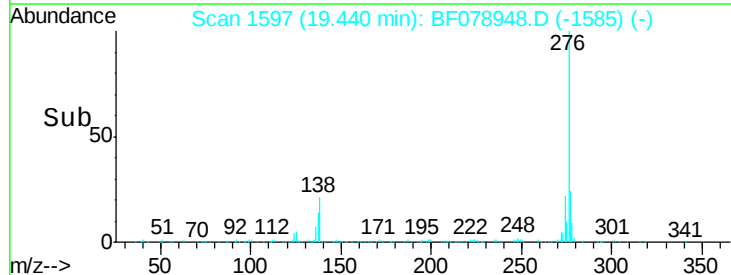
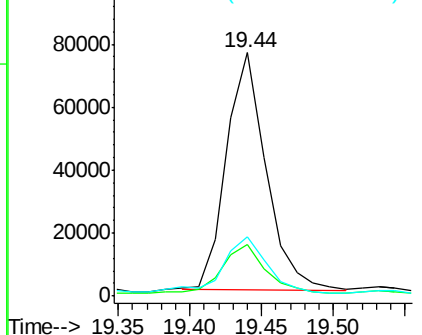


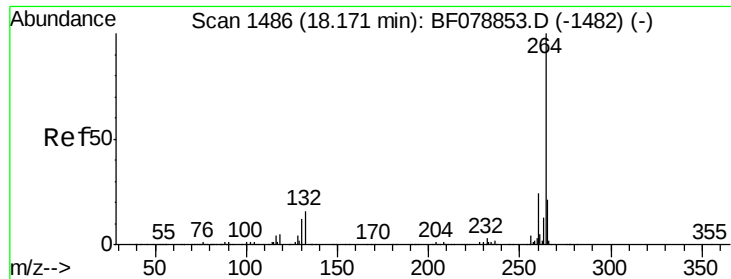
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.04 ng m
 RT: 19.44 min Scan# 1597
 Delta R.T. -0.16 min
 Lab File: BF078948.D
 Acq: 5 May 2015 18:54

Tgt Ion:276 Resp: 145731
 Ion Ratio Lower Upper
 276 100
 138 2.7 0.0 0.0#
 277 2.2 0.0 0.0#



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

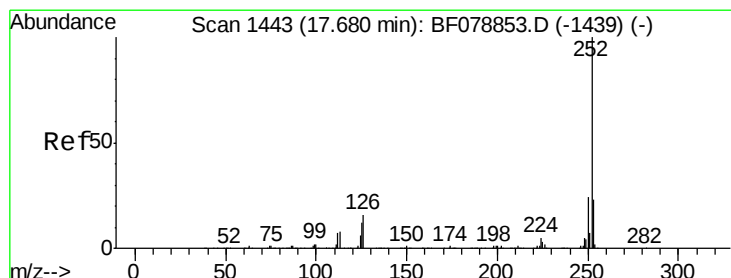
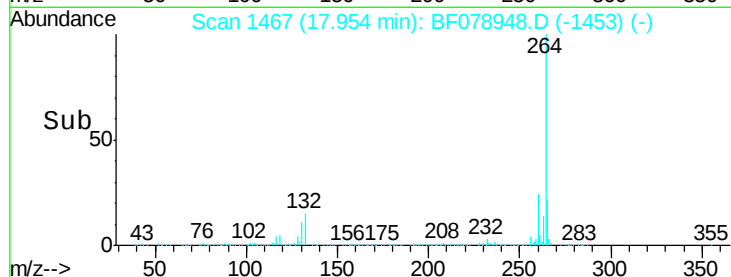
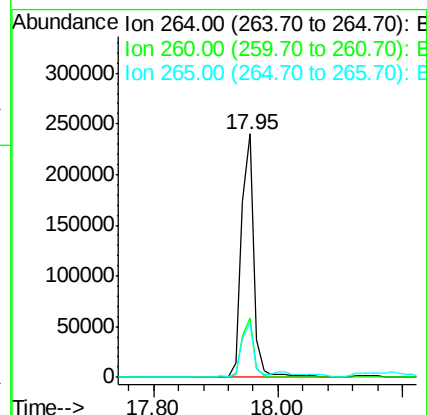
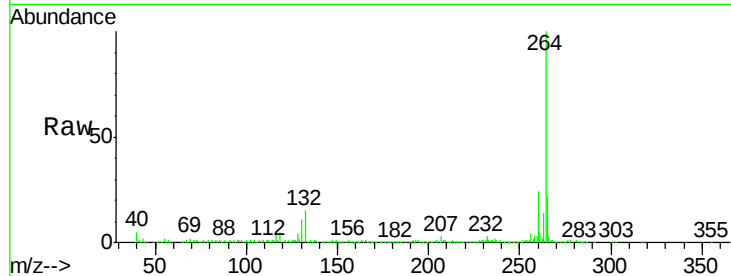




#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.95 min Scan# 1467
Delta R.T. -0.14 min
Lab File: BF078948.D
Acq: 5 May 2015 18:54

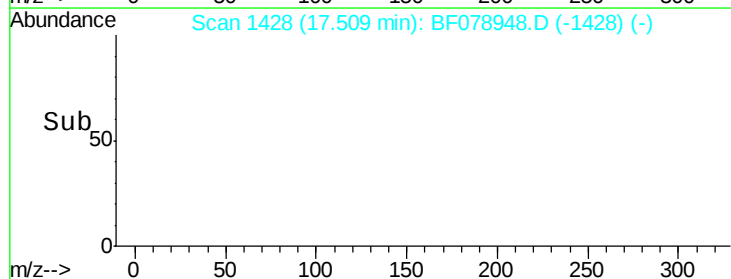
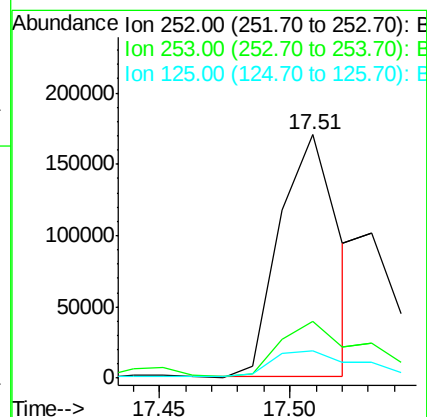
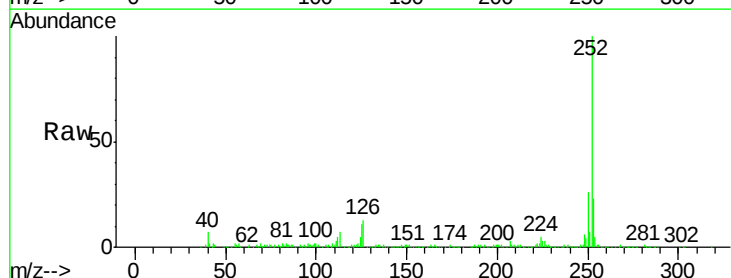
Instrument :
BNA_F
ClientSampleId :
SB-49S

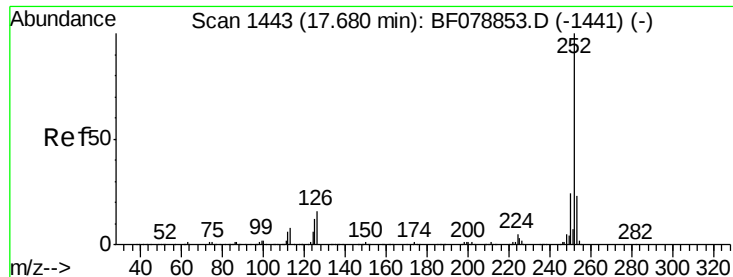
Tot Ion:264 Resp: 336152
Ion Ratio Lower Upper
264 100
260 24.2 19.4 29.2
265 22.2 18.3 27.5



#87
Benzo(b)fluoranthene
Concen: 14.45 ng
RT: 17.51 min Scan# 1428
Delta R.T. -0.10 min
Lab File: BF078948.D
Acq: 5 May 2015 18:54

Tgt Ion:252 Resp: 265836
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 11.1 9.5 14.3





#88

Benzo(k)fluoranthene

Concen: 6.05 ng m

RT: 17.53 min Scan# 1430

Delta R.T. -0.13 min

Lab File: BF078948.D

Acq: 5 May 2015 18:54

Instrument :

BNA_F

ClientSampleId :

SB-49S

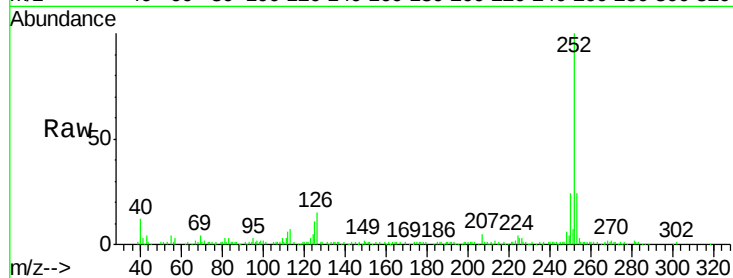
Tot Ion:252 Resp: 107817

Ion Ratio Lower Upper

252 100

253 24.2 18.1 27.1

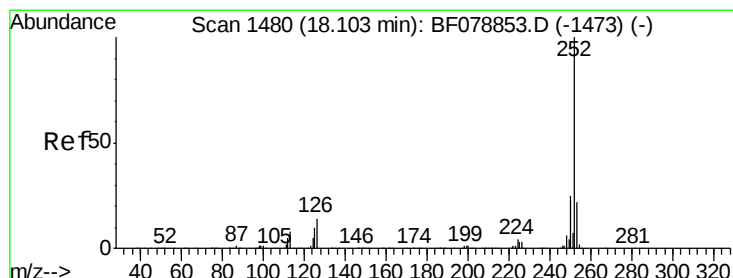
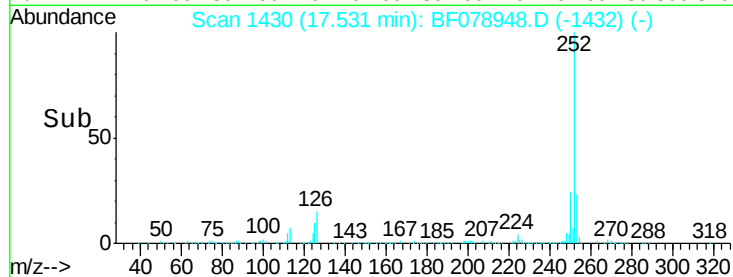
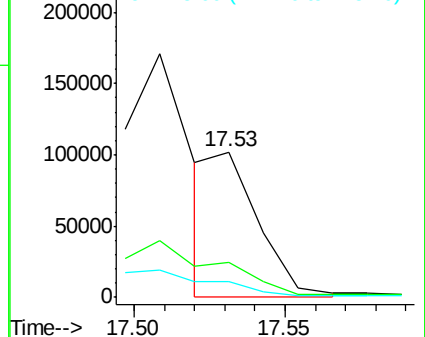
125 11.1 10.0 15.0



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



#89

Benzo(a)pyrene

Concen: 12.16 ng

RT: 17.89 min Scan# 1461

Delta R.T. -0.14 min

Lab File: BF078948.D

Acq: 5 May 2015 18:54

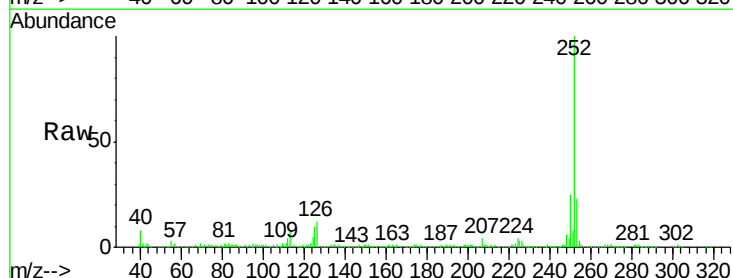
Tgt Ion:252 Resp: 206057

Ion Ratio Lower Upper

252 100

253 23.0 17.3 25.9

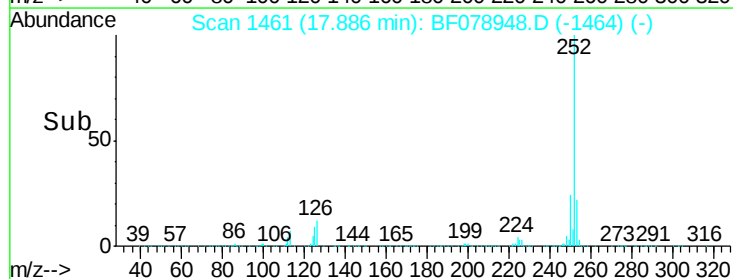
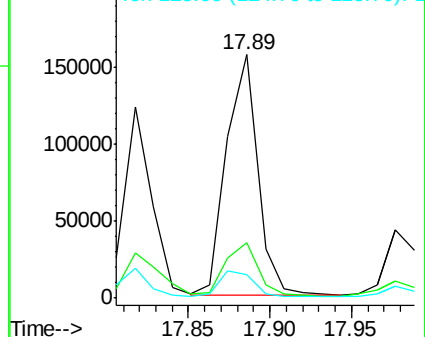
125 9.6 7.0 10.6

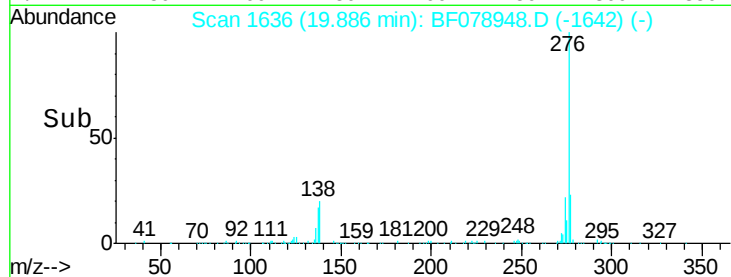
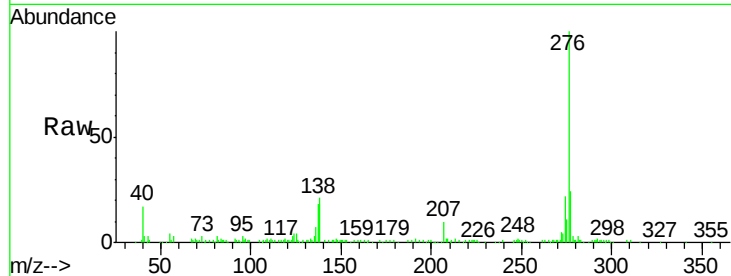
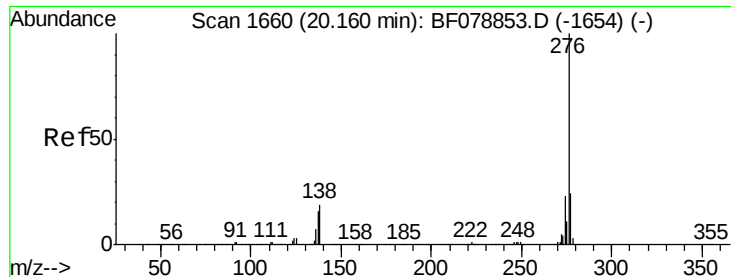


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(a,h,i)perylene

Concen: 8.83 ng

RT: 19.89 min Scan# 1636

Delta R.T. -0.17 min

Lab File: BF078948.D

Acq: 5 May 2015 18:54

Instrument :

BNA_F

ClientSampleId :

SB-49S

Tot Ion: 276 Resp: 159327

Ion Ratio Lower Upper

276 100

277 23.9 18.6 28.0

138 20.9 17.4 26.0

