

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041615\
 Data File : BF078568.D
 Acq On : 16 Apr 2015 16:27
 Operator : TP/IZ
 Sample : G1891-01
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-82D

Quant Time: Apr 17 01:49:04 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

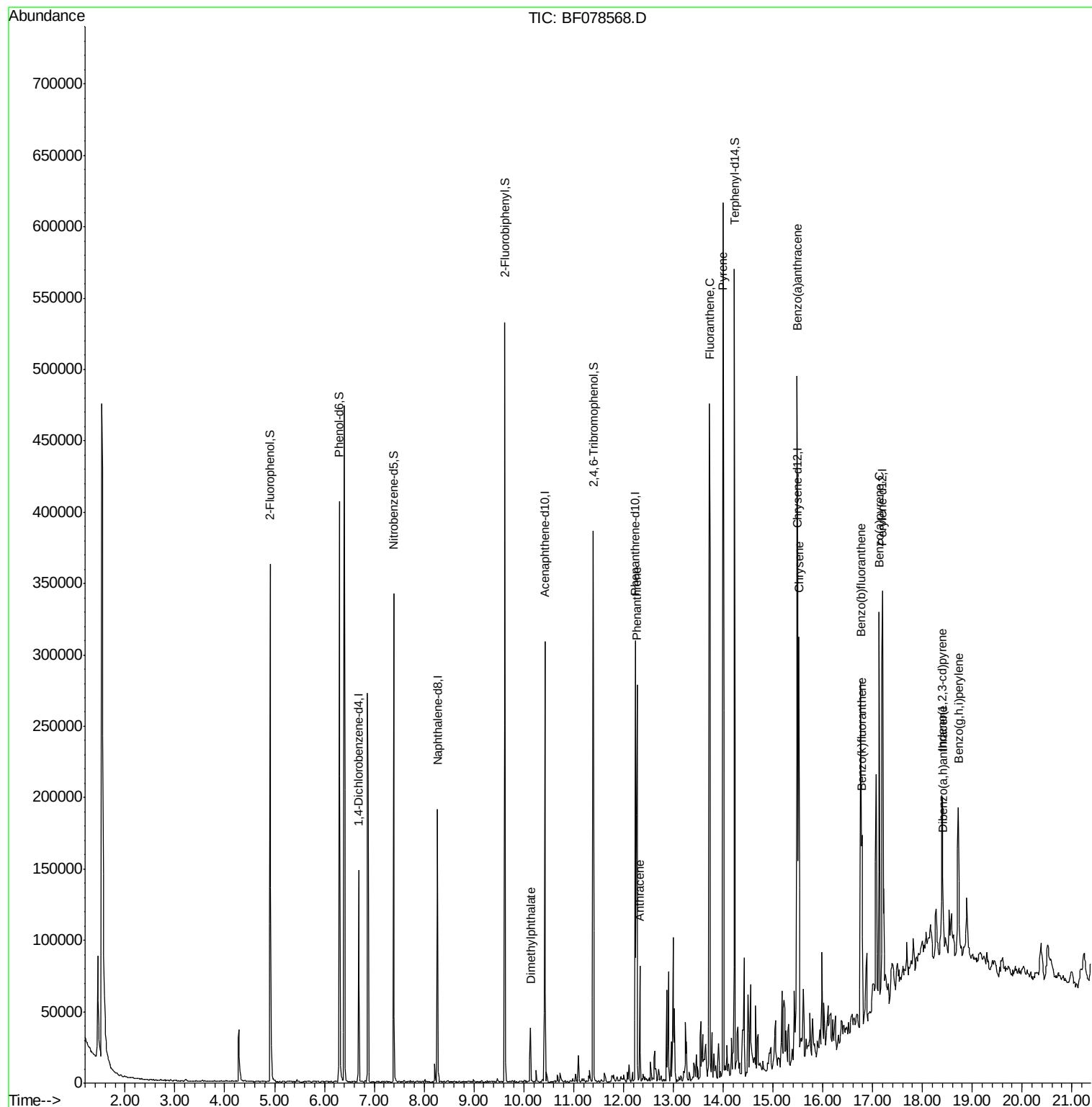
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.68	152	27254	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	118524	20.00	ng	0.00
38) Acenaphthene-d10	10.42	164	64405	20.00	ng	0.00
63) Phenanthrene-d10	12.24	188	126028	20.00	ng	0.00
75) Chrysene-d12	15.50	240	142204	20.00	ng	0.01
86) Perylene-d12	17.20	264	149497	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	4.91	112	135423	81.93	ng	0.01
7) Phenol-d6	6.30	99	177181	85.53	ng	0.00
23) Nitrobenzene-d5	7.39	82	106065	54.24	ng	0.00
41) 2,4,6-Tribromophenol	11.39	330	45247	84.71	ng	0.00
44) 2-Fluorobiphenyl	9.62	172	195786	43.45	ng	0.00
78) Terphenyl-d14	14.23	244	213209	33.88	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	10.14	163	19587	4.05	ng	97
70) Phenanthrene	12.27	178	146996	20.16	ng	98
71) Anthracene	12.33	178	35709	4.97	ng	99
74) Fluoranthene	13.73	202	272511	35.45	ng	97
77) Pyrene	14.00	202	266535	29.86	ng	# 93
80) Benzo(a)anthracene	15.49	228	144929	17.13	ng	100
82) Chrysene	15.52	228	131127	16.50	ng	97
85) Indeno(1,2,3-cd)pyrene	18.39	276	76688m	8.50	ng	
87) Benzo(b)fluoranthene	16.77	252	147721m	15.99	ng	
88) Benzo(k)fluoranthene	16.79	252	54289m	6.61	ng	
89) Benzo(a)pyrene	17.13	252	120817	14.98	ng	# 94
90) Dibenzo(a,h)anthracene	18.41	278	18988	2.35	ng	# 88
91) Benzo(g,h,i)perylene	18.72	276	68965	8.52	ng	98

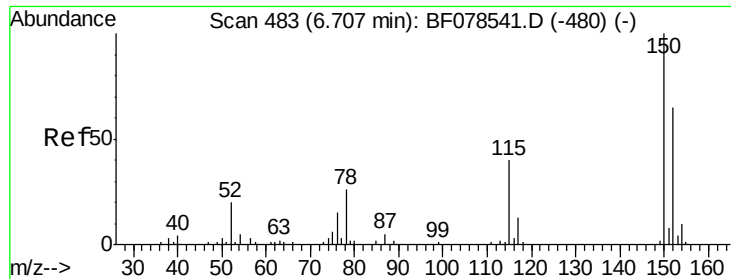
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF078568.D

Acq: 16 Apr 2015 16:27

Instrument :

BNA_F

ClientSampleId :

SB-82D

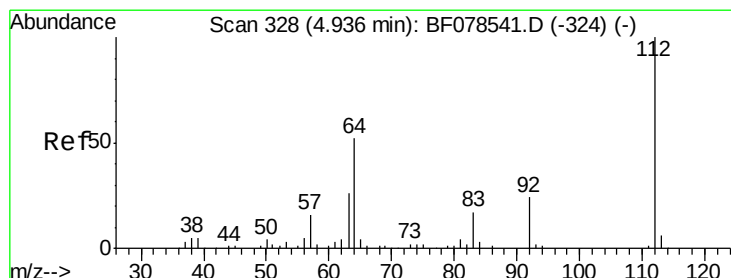
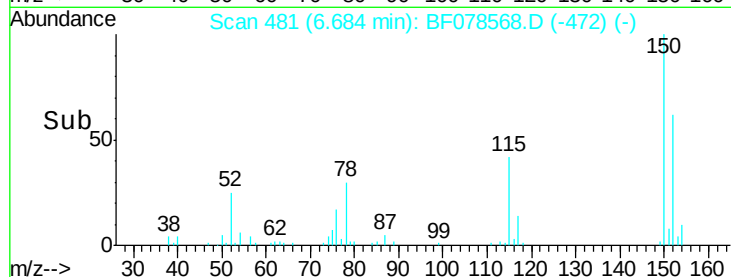
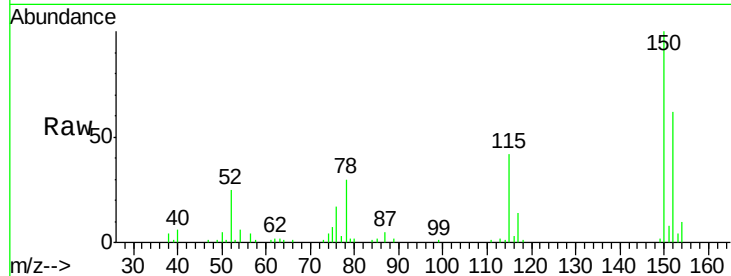
Tgt Ion:152 Resp: 27254

Ion Ratio Lower Upper

152 100

150 160.7 125.9 188.9

115 67.0 52.7 79.1



#5

2-Fluorophenol

Concen: 81.93 ng

RT: 4.91 min Scan# 326

Delta R.T. 0.01 min

Lab File: BF078568.D

Acq: 16 Apr 2015 16:27

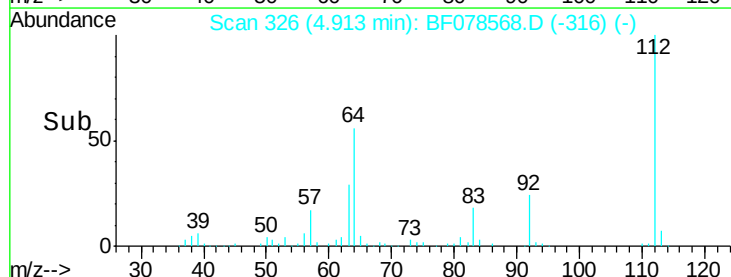
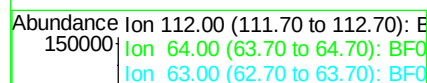
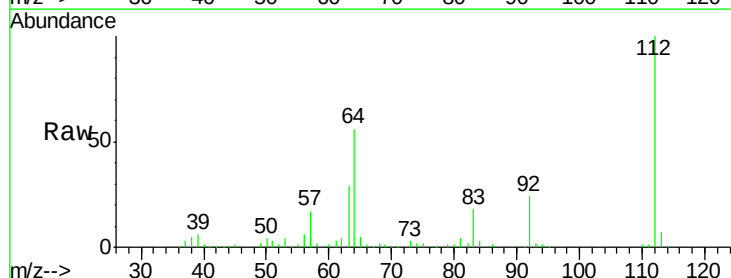
Tgt Ion:112 Resp: 135423

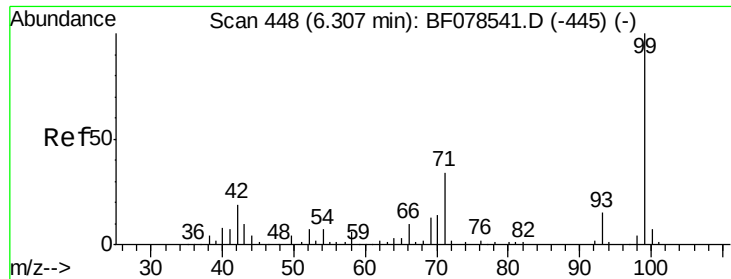
Ion Ratio Lower Upper

112 100

64 55.9 39.9 59.9

63 29.1 20.2 30.4





#7

Phenol-d6

Concen: 85.53 ng

RT: 6.30 min Scan# 447

Delta R.T. -0.00 min

Lab File: BF078568.D

Acq: 16 Apr 2015 16:27

Instrument :

BNA_F

ClientSampleId :

SB-82D

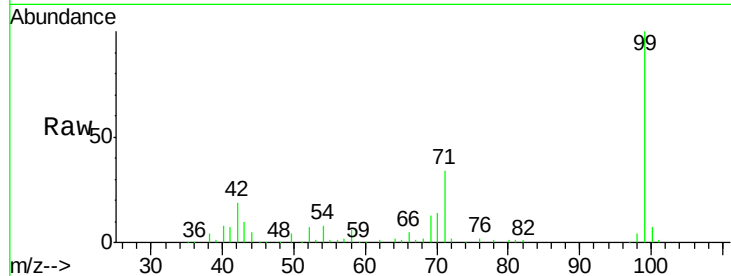
Tgt Ion: 99 Resp: 177181

Ion Ratio Lower Upper

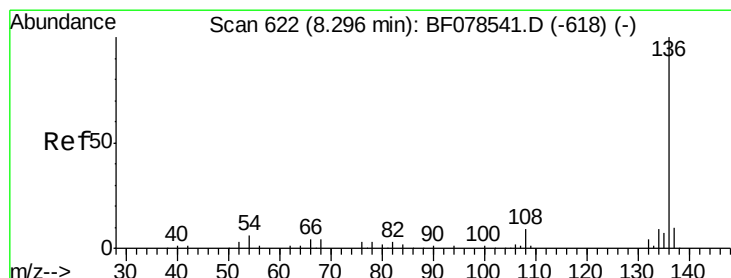
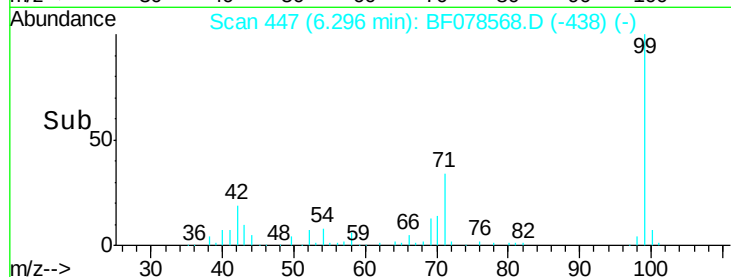
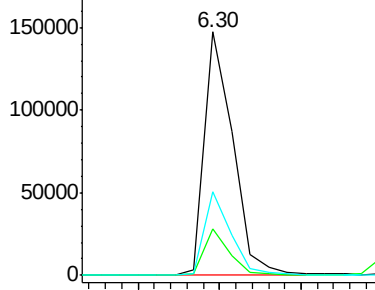
99 100

42 19.3 14.8 22.2

71 34.3 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: BF078568.D

Acq: 16 Apr 2015 16:27

Tgt Ion: 136 Resp: 118524

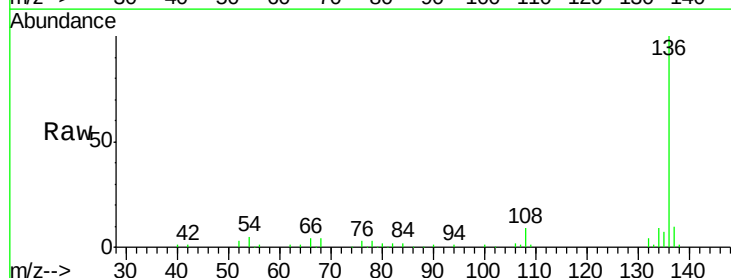
Ion Ratio Lower Upper

136 100

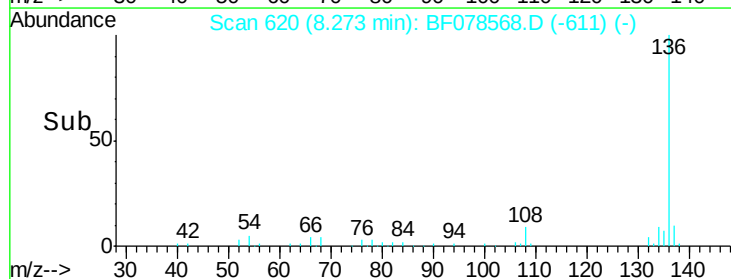
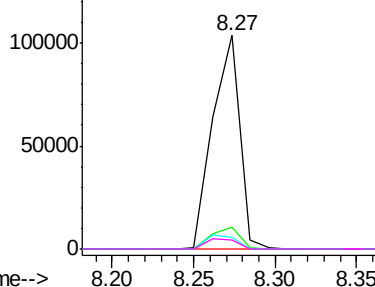
137 10.3 9.0 13.4

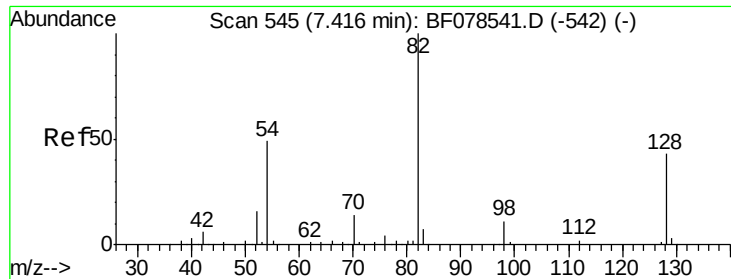
54 5.3 7.0 10.6#

68 4.5 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: 54.24 ng

RT: 7.39 min Scan# 543

Delta R.T. -0.00 min

Lab File: BF078568.D

Acq: 16 Apr 2015 16:27

Instrument :

BNA_F

ClientSampleId :

SB-82D

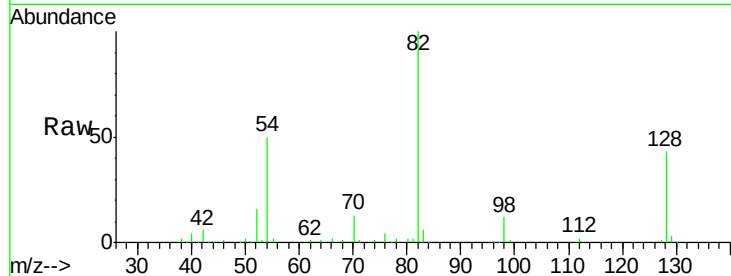
Tgt Ion: 82 Resp: 106065

Ion Ratio Lower Upper

82 100

128 43.2 31.8 47.8

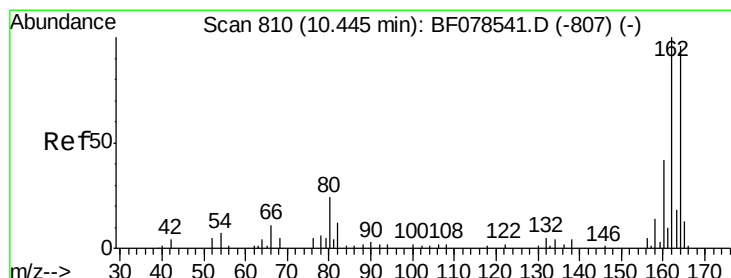
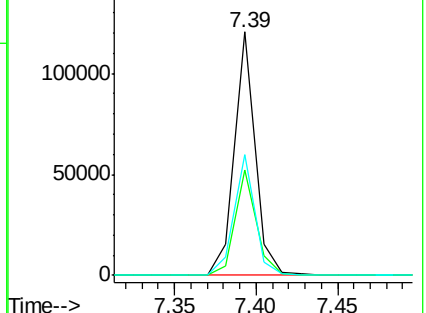
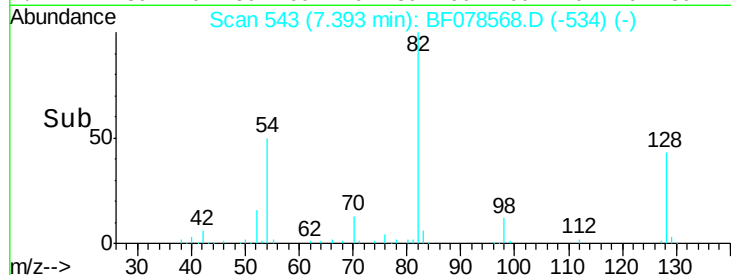
54 49.8 41.5 62.3



Abundance Ion 82.00 (81.70 to 82.70): BF078541.D (-542) (-)

Ion 128.00 (127.70 to 128.70): BF078541.D (-542) (-)

Ion 54.00 (53.70 to 54.70): BF078541.D (-542) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.42 min Scan# 808

Delta R.T. -0.00 min

Lab File: BF078568.D

Acq: 16 Apr 2015 16:27

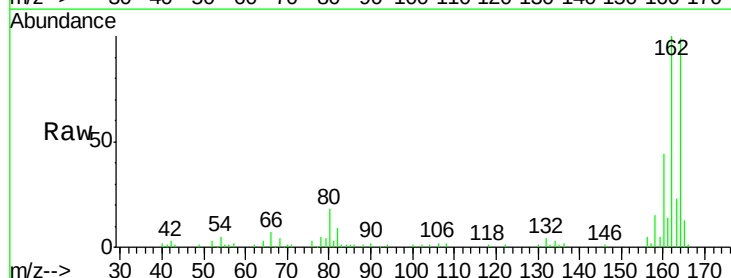
Tgt Ion: 164 Resp: 64405

Ion Ratio Lower Upper

164 100

162 101.1 82.2 123.2

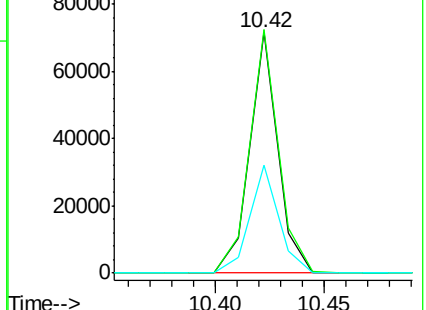
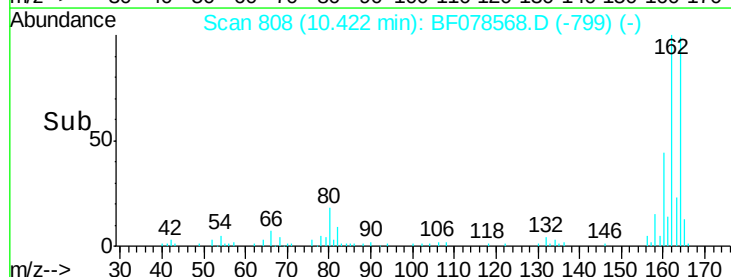
160 44.6 34.7 52.1

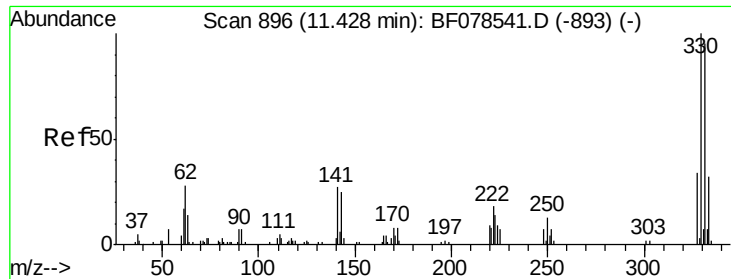


Abundance Ion 164.00 (163.70 to 164.70): BF078541.D (-807) (-)

Ion 162.00 (161.70 to 162.70): BF078541.D (-807) (-)

Ion 160.00 (159.70 to 160.70): BF078541.D (-807) (-)

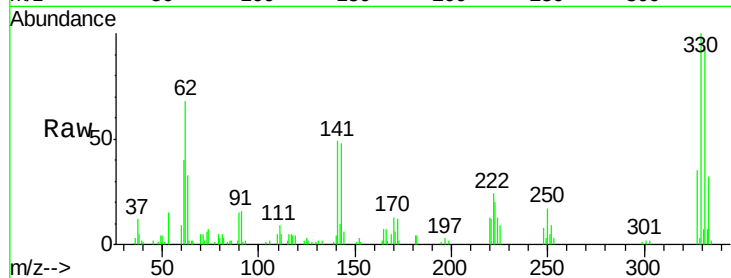




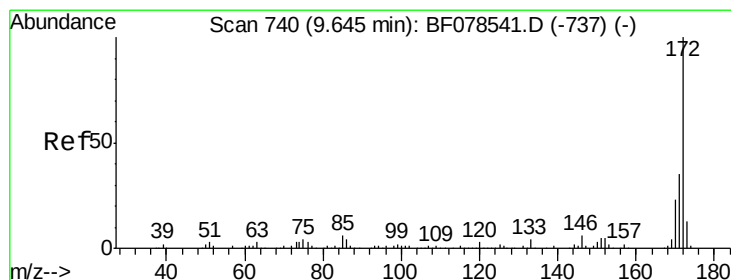
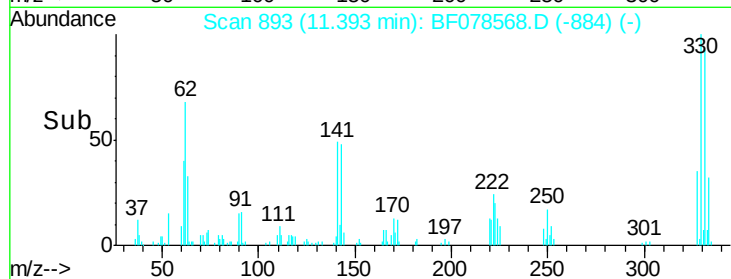
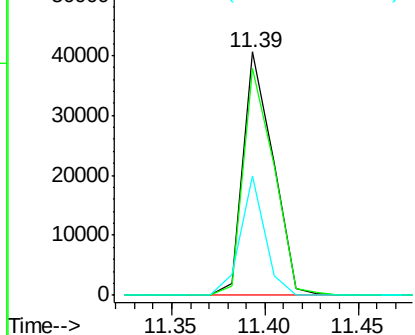
#41
 2,4,6-Tribromophenol
 Concen: 84.71 ng
 RT: 11.39 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: BF078568.D
 Acq: 16 Apr 2015 16:27

Instrument :
 BNA_F
 ClientSampleId :
 SB-82D

Tgt Ion:330 Resp: 45247
 Ion Ratio Lower Upper
 330 100
 332 94.7 78.6 117.8
 141 40.3 31.2 46.8

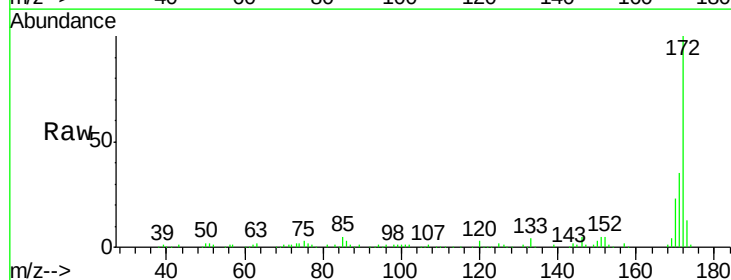


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

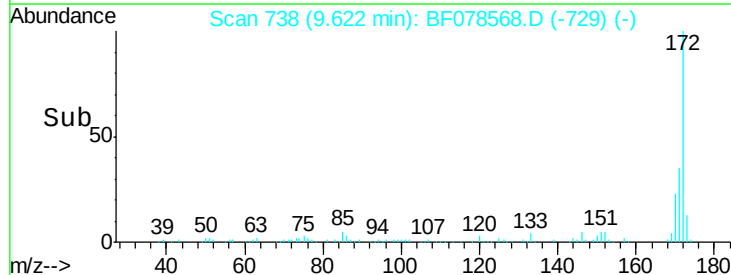
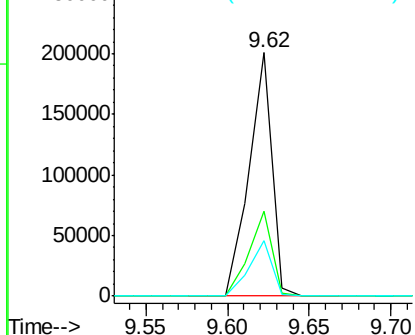


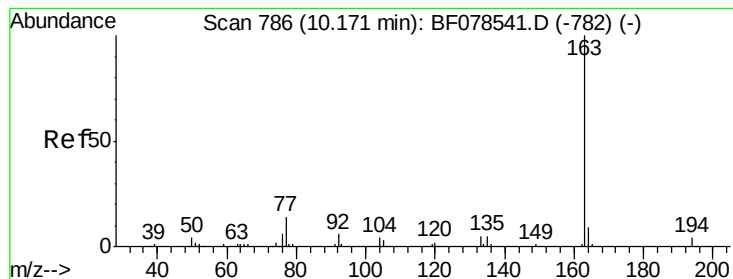
#44
 2-Fluorobiphenyl
 Concen: 43.45 ng
 RT: 9.62 min Scan# 738
 Delta R.T. -0.00 min
 Lab File: BF078568.D
 Acq: 16 Apr 2015 16:27

Tgt Ion:172 Resp: 195786
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.6 42.8
 170 23.0 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: 4.05 ng

RT: 10.14 min Scan# 783

Delta R.T. -0.00 min

Lab File: BF078568.D

Acq: 16 Apr 2015 16:27

Instrument :

BNA_F

ClientSampleId :

SB-82D

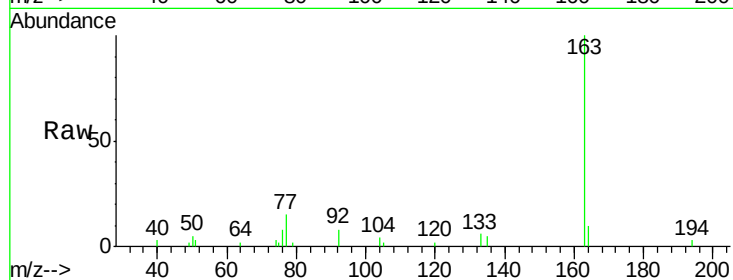
Tgt Ion:163 Resp: 19587

Ion Ratio Lower Upper

163 100

194 3.5 2.3 3.5

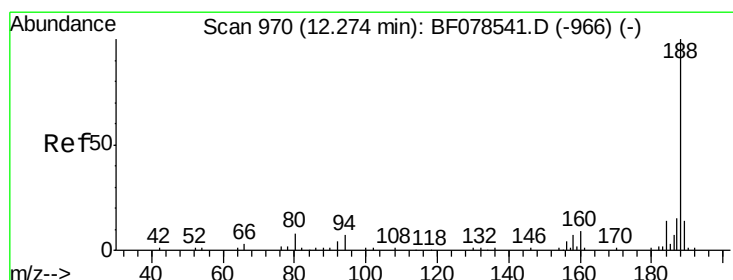
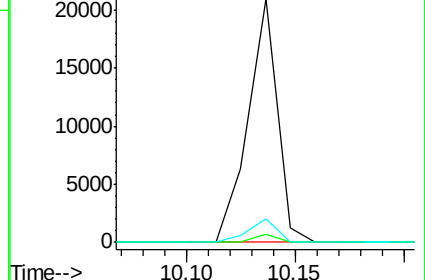
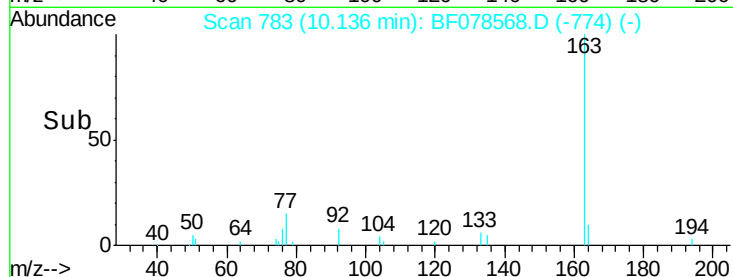
164 9.6 8.6 13.0



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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.24 min Scan# 967

Delta R.T. -0.00 min

Lab File: BF078568.D

Acq: 16 Apr 2015 16:27

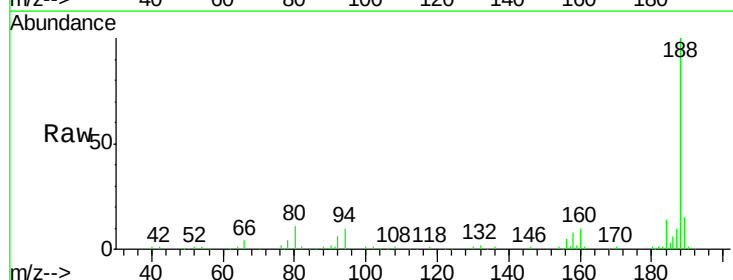
Tgt Ion:188 Resp: 126028

Ion Ratio Lower Upper

188 100

94 9.9 9.0 13.4

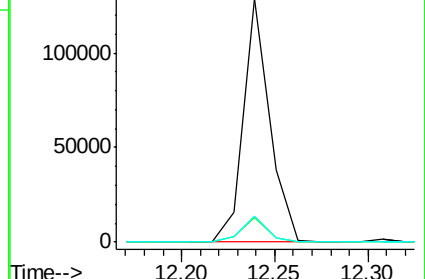
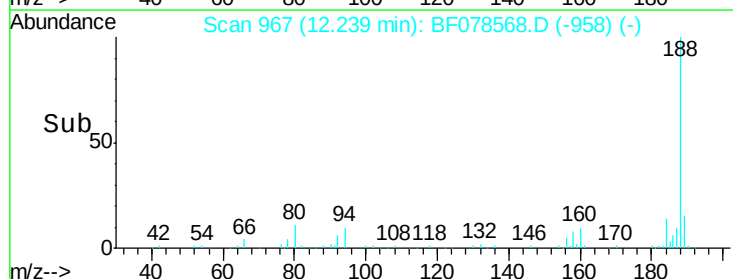
80 10.7 9.5 14.3

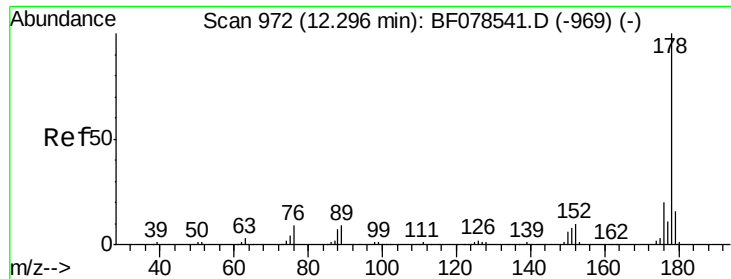


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

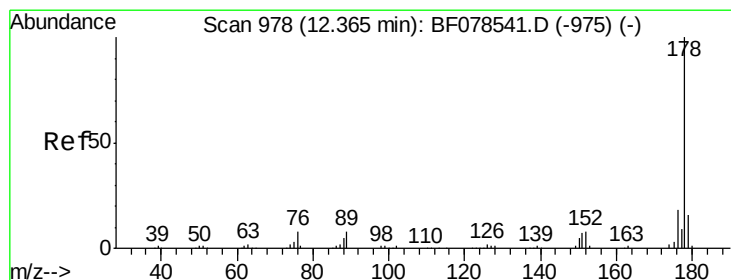
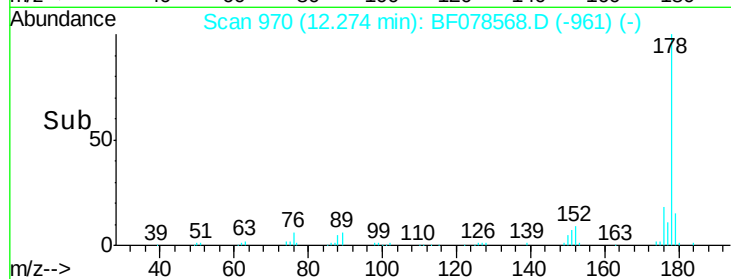
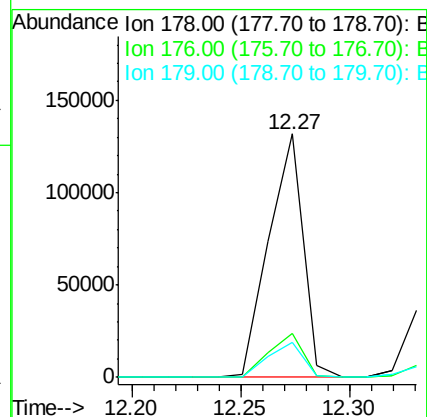
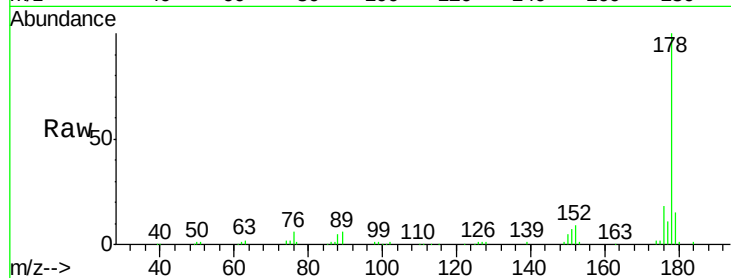




#70
 Phenanthrene
 Concen: 20.16 ng
 RT: 12.27 min Scan# 970
 Delta R.T. -0.00 min
 Lab File: BF078568.D
 Acq: 16 Apr 2015 16:27

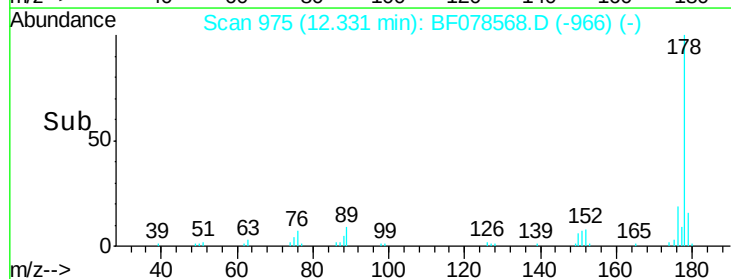
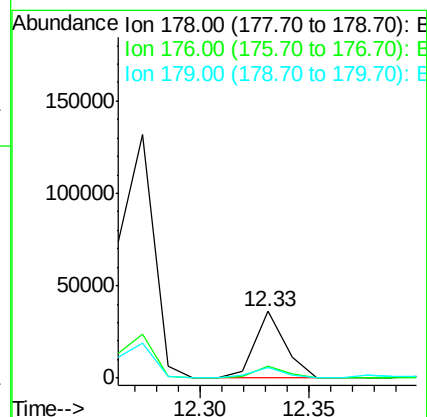
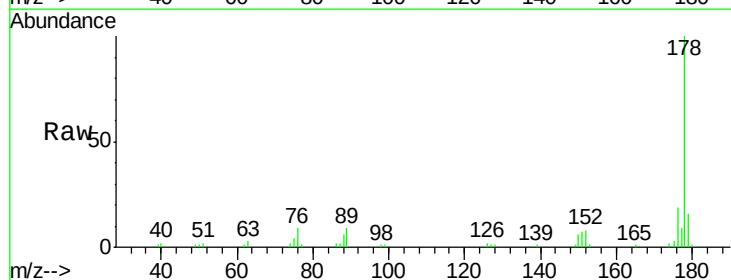
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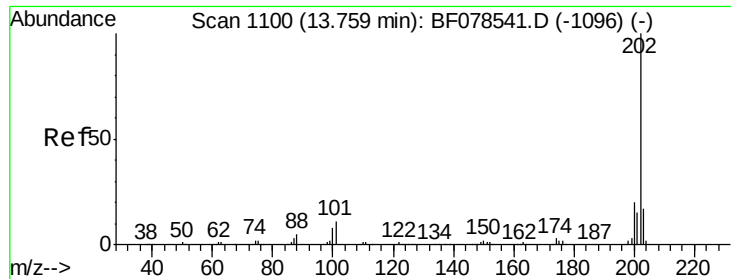
Tgt Ion:178 Resp: 146996
 Ion Ratio Lower Upper
 178 100
 176 18.3 15.4 23.0
 179 14.6 12.2 18.2



#71
 Anthracene
 Concen: 4.97 ng
 RT: 12.33 min Scan# 975
 Delta R.T. -0.00 min
 Lab File: BF078568.D
 Acq: 16 Apr 2015 16:27

Tgt Ion:178 Resp: 35709
 Ion Ratio Lower Upper
 178 100
 176 18.5 14.8 22.2
 179 16.1 12.4 18.6





#74

Fluoranthene

Concen: 35.45 ng

RT: 13.73 min Scan# 1097

Delta R.T. -0.00 min

Lab File: BF078568.D

Acq: 16 Apr 2015 16:27

Instrument :

BNA_F

ClientSampled :

SB-82D

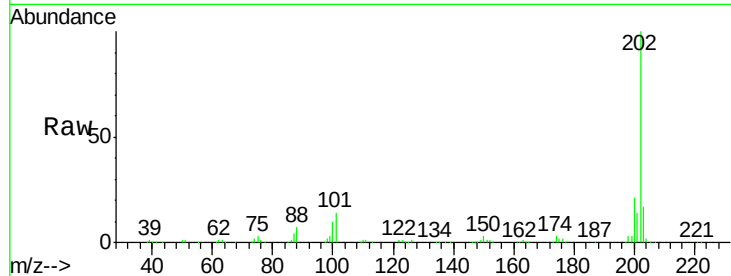
Tgt Ion: 202 Resp: 272511

Ion Ratio Lower Upper

202 100

101 14.1 0.0 35.2

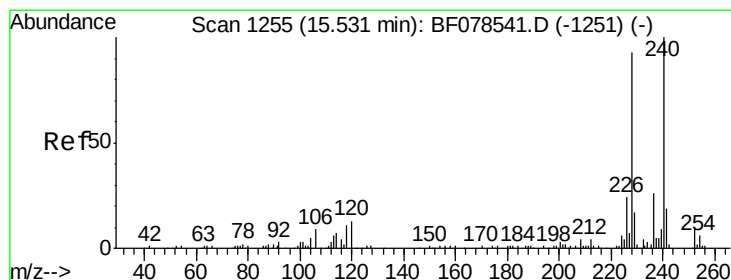
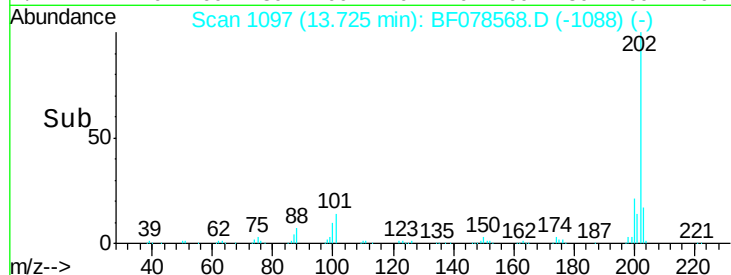
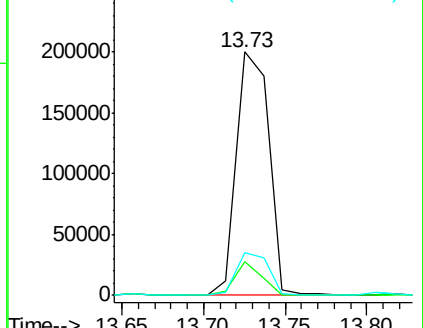
203 17.4 0.0 38.5



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: 15.50 min Scan# 1252

Delta R.T. 0.01 min

Lab File: BF078568.D

Acq: 16 Apr 2015 16:27

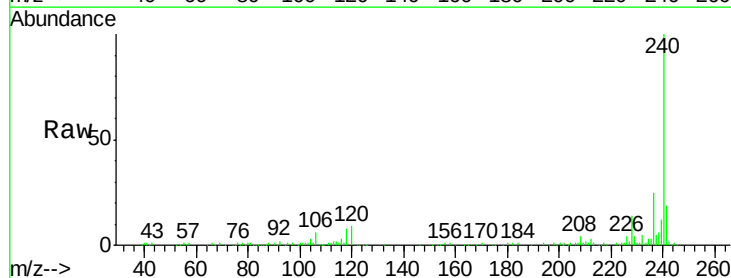
Tgt Ion: 240 Resp: 142204

Ion Ratio Lower Upper

240 100

120 8.9 7.1 10.7

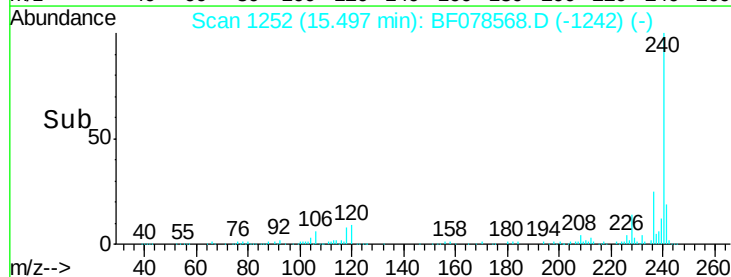
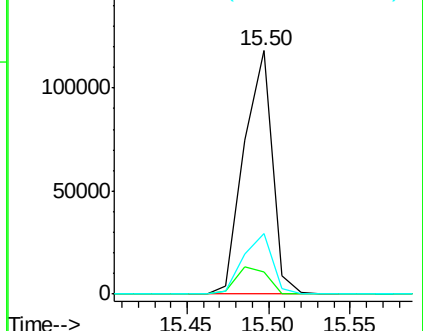
236 25.0 21.4 32.2

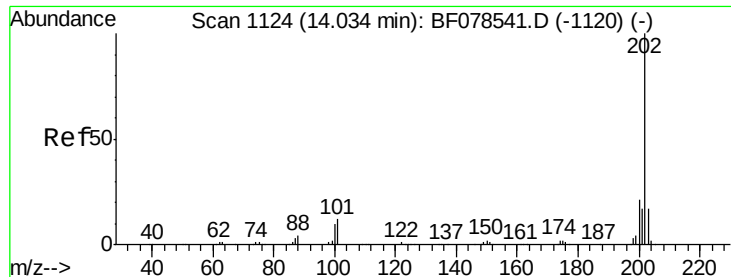


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 29.86 ng

RT: 14.00 min Scan# 1121

Delta R.T. -0.00 min

Lab File: BF078568.D

Acq: 16 Apr 2015 16:27

Instrument :

BNA_F

ClientSampleId :

SB-82D

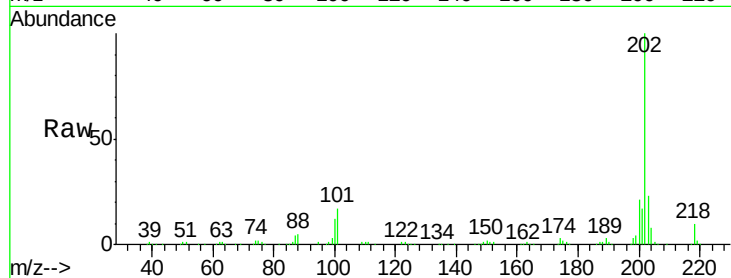
Tgt Ion: 202 Resp: 266535

Ion Ratio Lower Upper

202 100

200 21.2 16.3 24.5

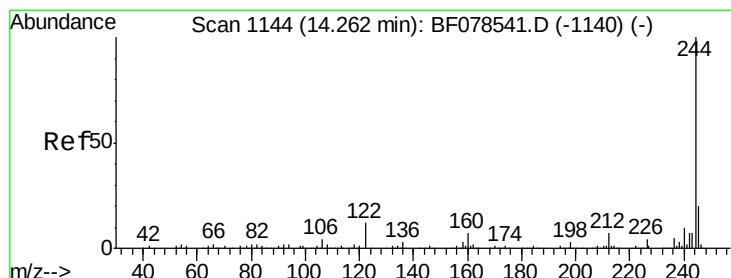
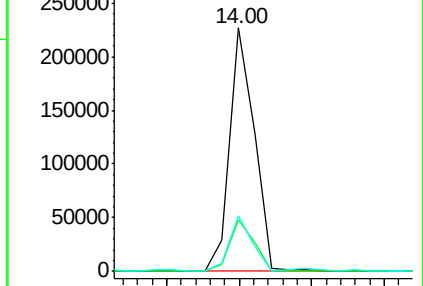
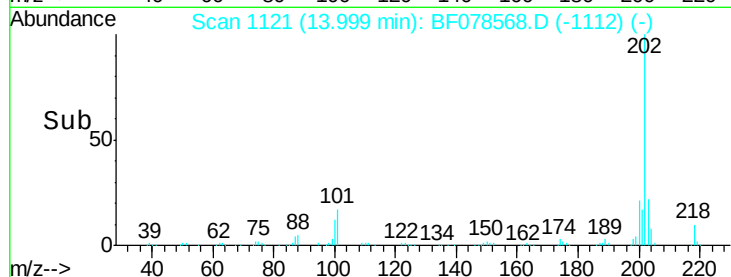
203 22.7 13.8 20.6#



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: 33.88 ng

RT: 14.23 min Scan# 1141

Delta R.T. -0.00 min

Lab File: BF078568.D

Acq: 16 Apr 2015 16:27

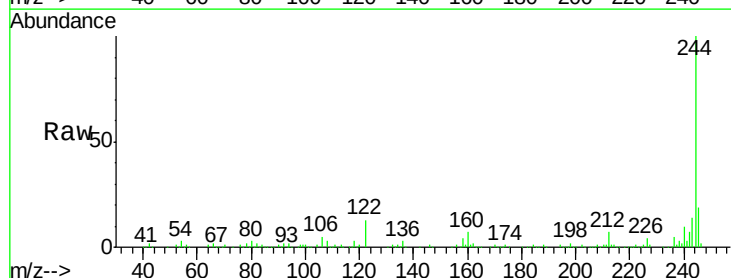
Tgt Ion: 244 Resp: 213209

Ion Ratio Lower Upper

244 100

212 7.0 5.0 7.4

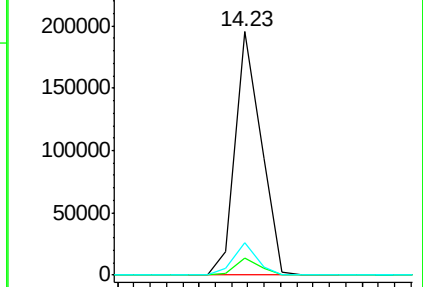
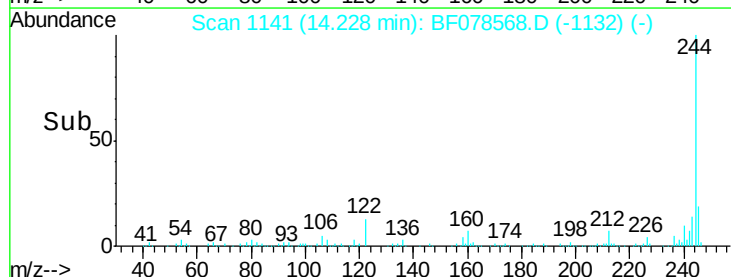
122 13.5 7.1 10.7#

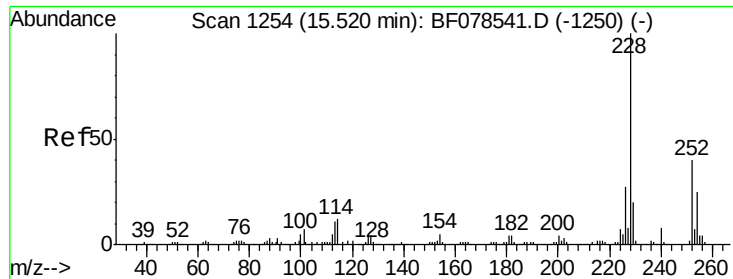


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 17.13 ng

RT: 15.49 min Scan# 1251

Delta R.T. 0.01 min

Lab File: BF078568.D

Acq: 16 Apr 2015 16:27

Instrument :

BNA_F

ClientSampled :

SB-82D

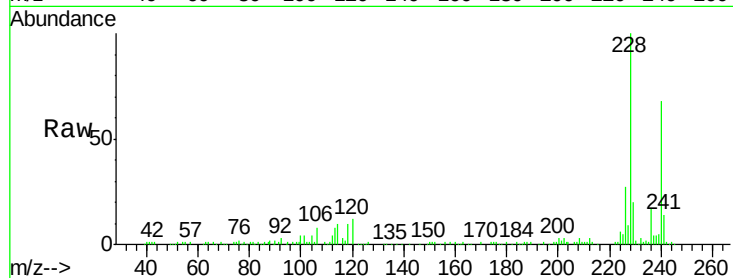
Tgt Ion:228 Resp: 144929

Ion Ratio Lower Upper

228 100

226 26.6 21.3 31.9

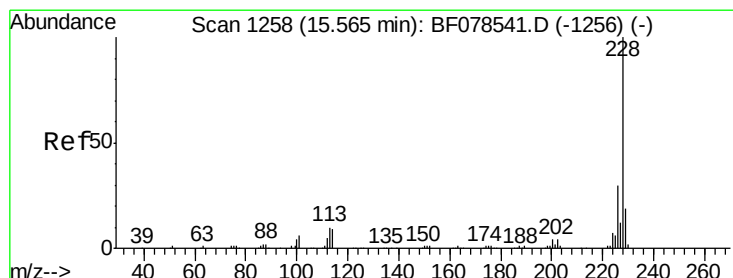
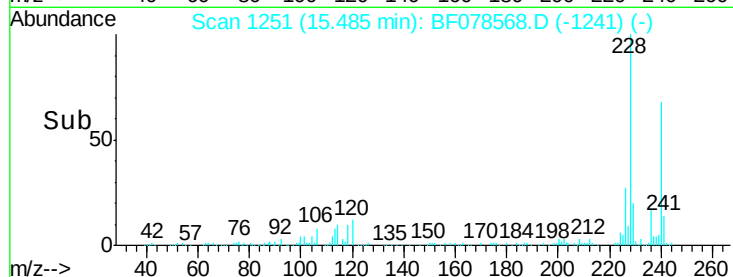
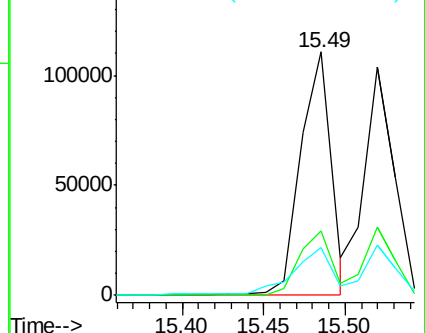
229 19.5 15.4 23.2



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: 16.50 ng

RT: 15.52 min Scan# 1254

Delta R.T. -0.00 min

Lab File: BF078568.D

Acq: 16 Apr 2015 16:27

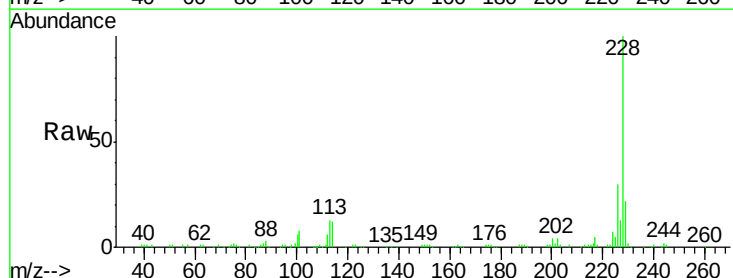
Tgt Ion:228 Resp: 131127

Ion Ratio Lower Upper

228 100

226 29.8 24.2 36.4

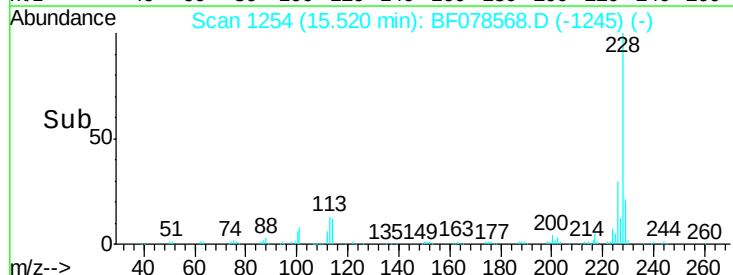
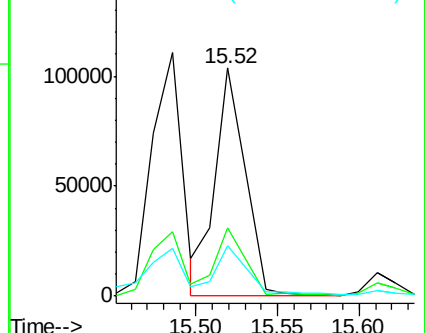
229 22.0 15.8 23.8

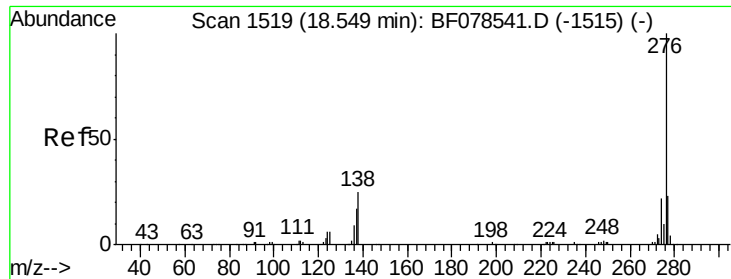


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

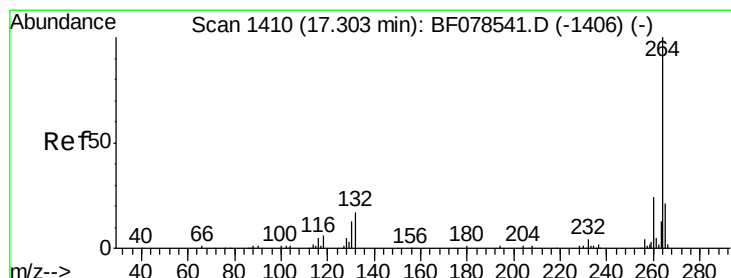
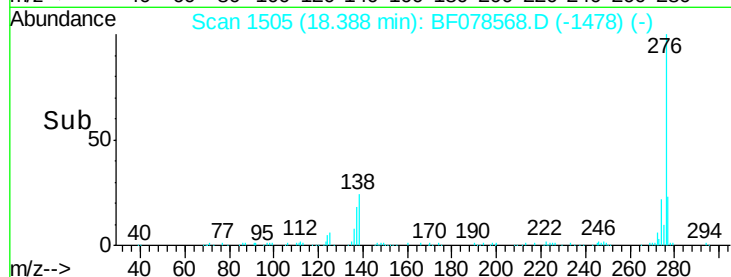
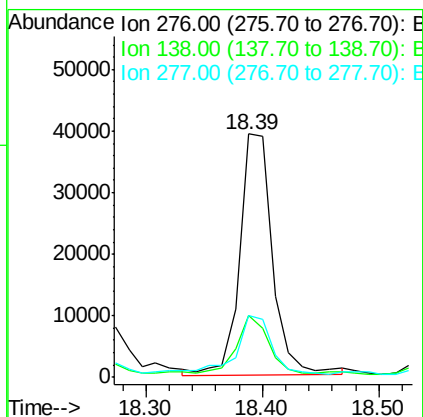
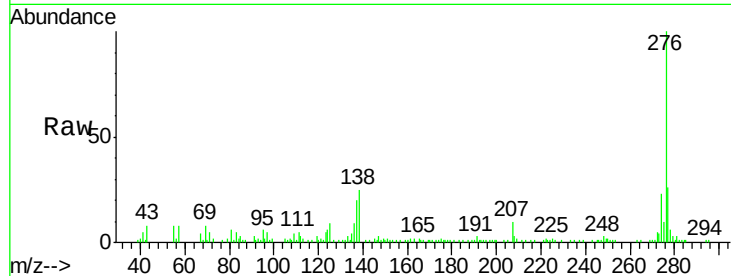




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.50 ng m
 RT: 18.39 min Scan# 1505
 Delta R.T. 0.01 min
 Lab File: BF078568.D
 Acq: 16 Apr 2015 16:27

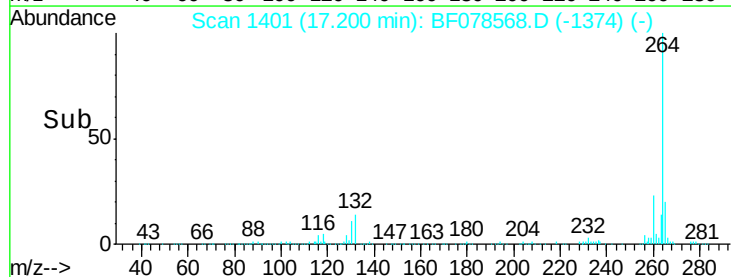
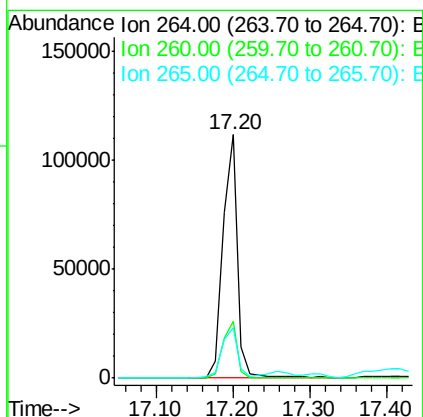
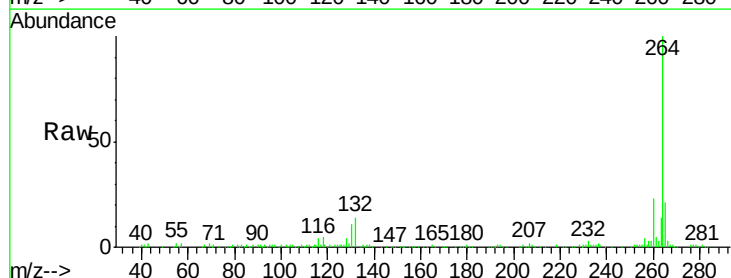
Instrument :
 BNA_F
 ClientSampled :
 SB-82D

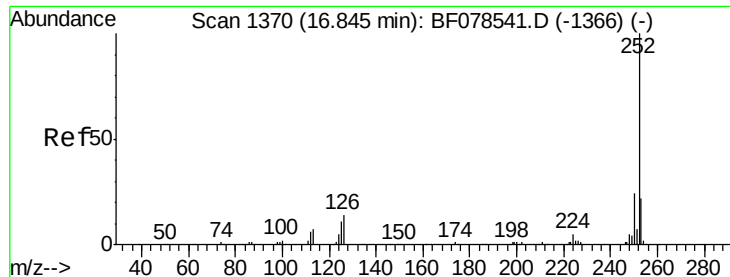
Tgt Ion	Ratio	Lower	Upper
276	100		
138	4.7	16.9	25.3#
277	4.5	15.8	23.6#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.20 min Scan# 1401
 Delta R.T. 0.01 min
 Lab File: BF078568.D
 Acq: 16 Apr 2015 16:27

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	27.8
265	20.8	17.0	25.6





#87

Benzo(b)fluoranthene

Concen: 15.99 ng m

RT: 16.77 min Scan# 1363

Delta R.T. 0.01 min

Lab File: BF078568.D

Acq: 16 Apr 2015 16:27

Instrument :

BNA_F

ClientSampleId :

SB-82D

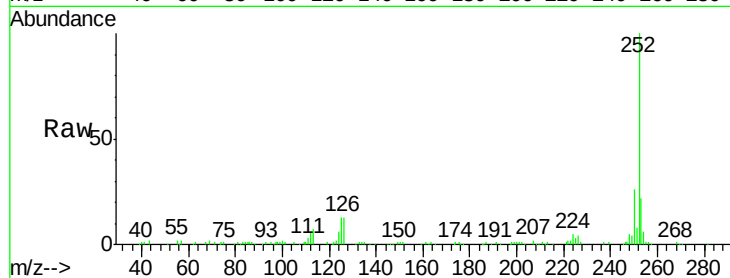
Tgt Ion:252 Resp: 147721

Ion Ratio Lower Upper

252 100

253 22.5 17.2 25.8

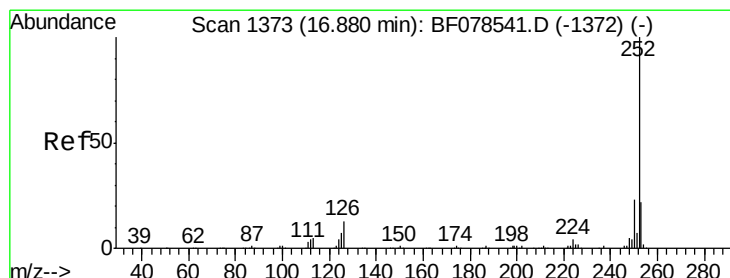
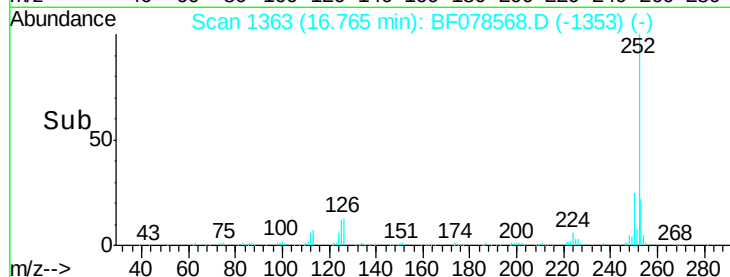
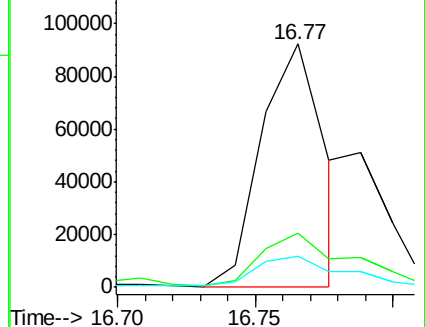
125 12.7 7.0 10.4#



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: 6.61 ng m

RT: 16.79 min Scan# 1365

Delta R.T. -0.00 min

Lab File: BF078568.D

Acq: 16 Apr 2015 16:27

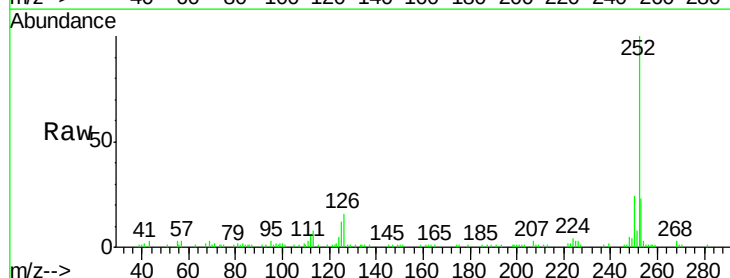
Tgt Ion:252 Resp: 54289

Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

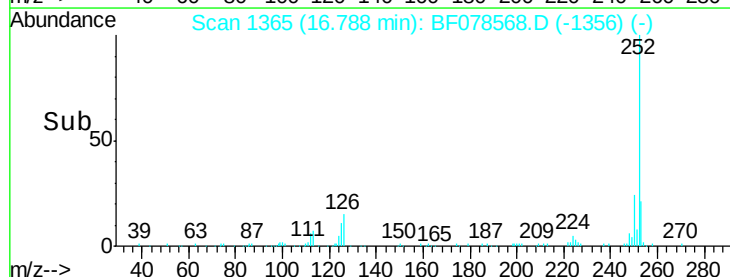
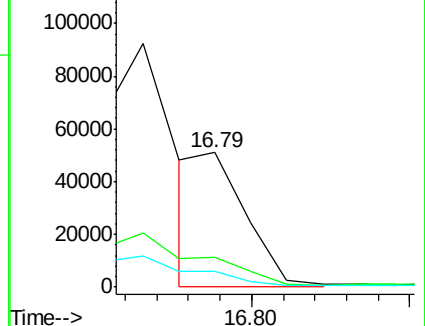
125 11.5 11.6 17.4#

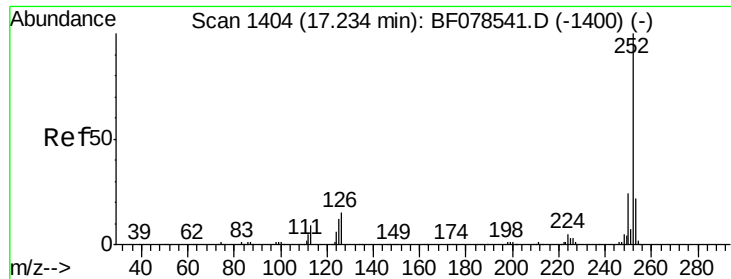


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 14.98 ng

RT: 17.13 min Scan# 1395

Delta R.T. -0.00 min

Lab File: BF078568.D

Acq: 16 Apr 2015 16:27

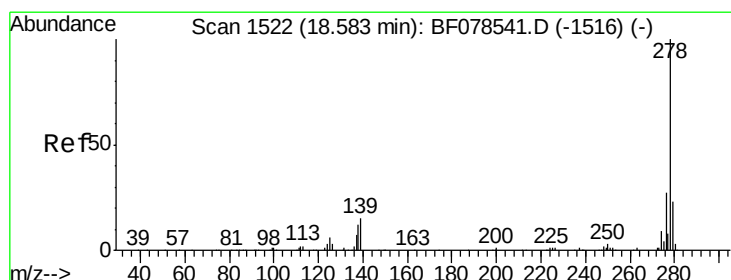
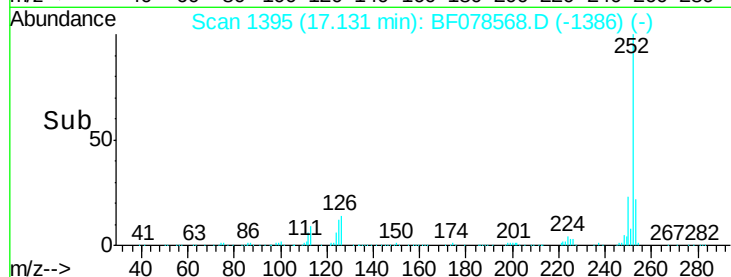
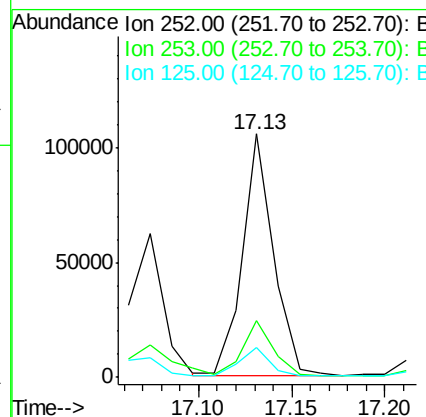
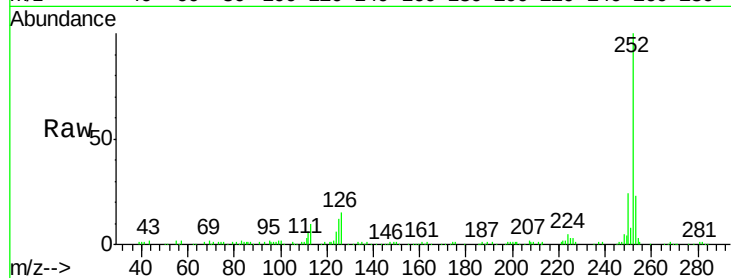
Instrument :

BNA_F

ClientSampleId :

SB-82D

Tgt Ion:	252	Resp:	120817
Ion Ratio	Lower	Upper	
252	100		
253	23.5	16.8	25.2
125	12.4	7.4	11.0#



#90

Dibenzo(a,h)anthracene

Concen: 2.35 ng

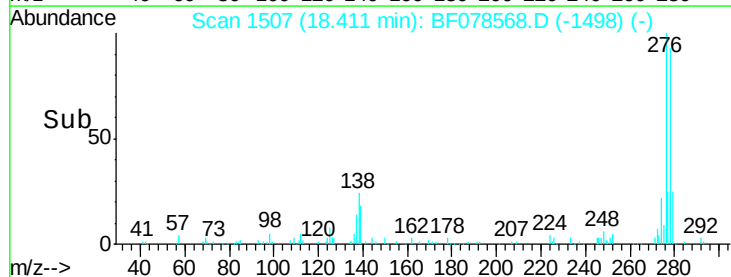
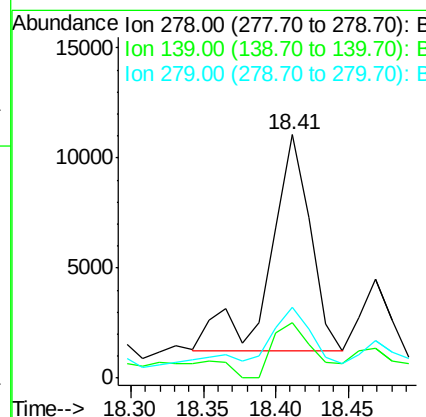
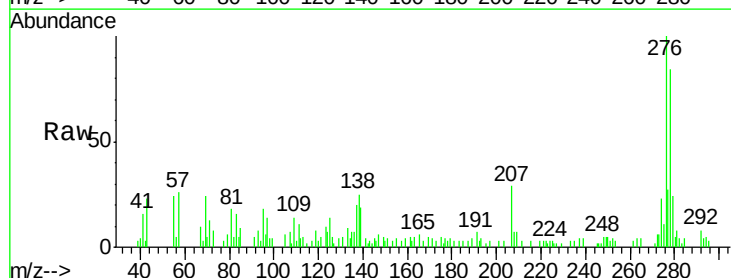
RT: 18.41 min Scan# 1507

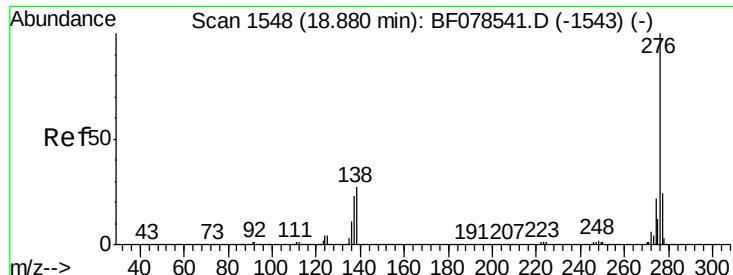
Delta R.T. -0.00 min

Lab File: BF078568.D

Acq: 16 Apr 2015 16:27

Tgt Ion:	278	Resp:	18988
Ion Ratio	Lower	Upper	
278	100		
139	22.6	13.6	20.4#
279	29.0	19.0	28.6#





#91
 Benzo(g,h,i)perylene
 Concen: 8.52 ng
 RT: 18.72 min Scan# 1534
 Delta R.T. 0.01 min
 Lab File: BF078568.D
 Acq: 16 Apr 2015 16:27

Instrument :
 BNA_F
 ClientSampleId :
 SB-82D

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.9	19.0	28.4
138	23.8	19.9	29.9

