

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF041615\
 Data File : BF078580.D
 Acq On : 16 Apr 2015 22:11
 Operator : TP/IZ
 Sample : G1854-07 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB10B(14.5-15)

Quant Time: Apr 17 02:36:32 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	23914	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	106560	20.00	ng	0.00
38) Acenaphthene-d10	10.42	164	56906	20.00	ng	0.00
63) Phenanthrene-d10	12.24	188	115148	20.00	ng	0.00
75) Chrysene-d12	15.50	240	133954	20.00	ng	0.01
86) Perylene-d12	17.21	264	135705	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	4.92	112	32075	22.11	ng	0.02
7) Phenol-d6	6.31	99	44883	24.69	ng	0.01
23) Nitrobenzene-d5	7.39	82	25245	14.36	ng	0.00
41) 2,4,6-Tribromophenol	11.41	330	11970	25.36	ng	0.01
44) 2-Fluorobiphenyl	9.62	172	52452	13.18	ng	0.00
78) Terphenyl-d14	14.23	244	64949	10.96	ng	0.00

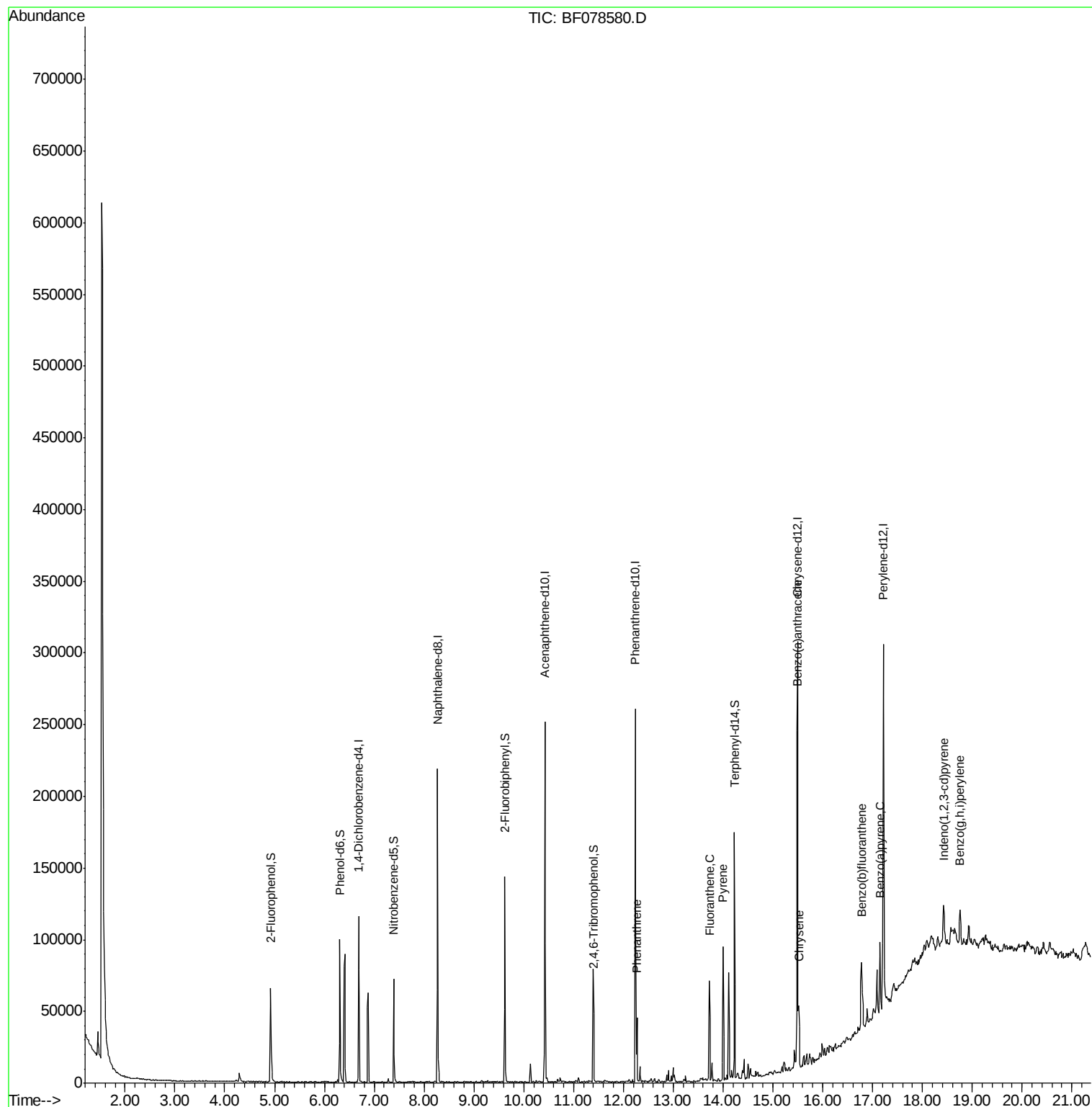
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
70) Phenanthrene	12.27	178	21410	3.21	ng	98
74) Fluoranthene	13.73	202	38605	5.50	ng	99
77) Pyrene	14.00	202	37508	4.46	ng	# 94
80) Benzo(a)anthracene	15.49	228	26737	3.35	ng	98
82) Chrysene	15.52	228	18539	2.48	ng	95
85) Indeno(1,2,3-cd)pyrene	18.42	276	17539	2.06	ng	# 70
87) Benzo(b)fluoranthene	16.78	252	27955m	3.33	ng	
89) Benzo(a)pyrene	17.15	252	24651	3.37	ng	# 91
91) Benzo(g,h,i)perylene	18.75	276	15876	2.16	ng	98

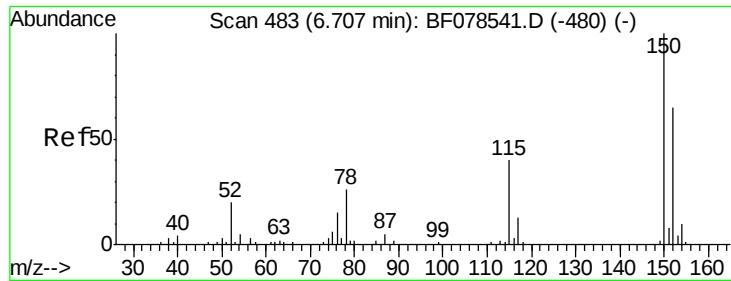
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF078580.D

Acq: 16 Apr 2015 22:11

Instrument :

BNA_F

ClientSampleId :

LS-SB10B(14.5-15)

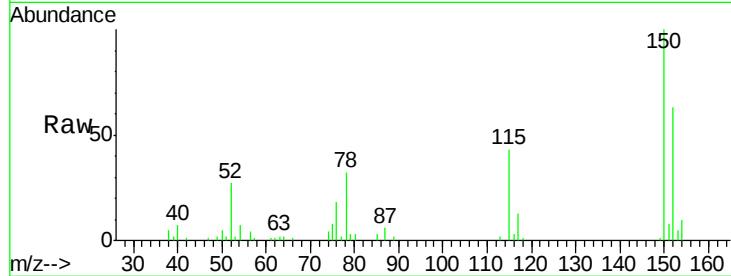
Tgt Ion:152 Resp: 23914

Ion Ratio Lower Upper

152 100

150 158.1 125.9 188.9

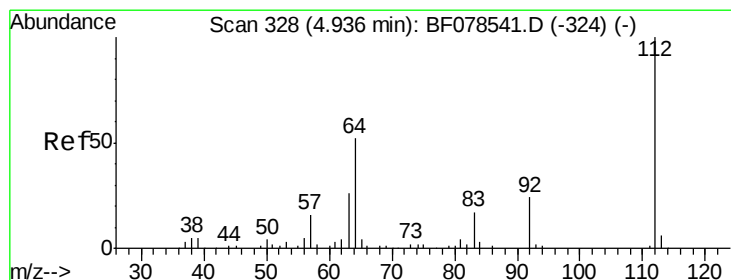
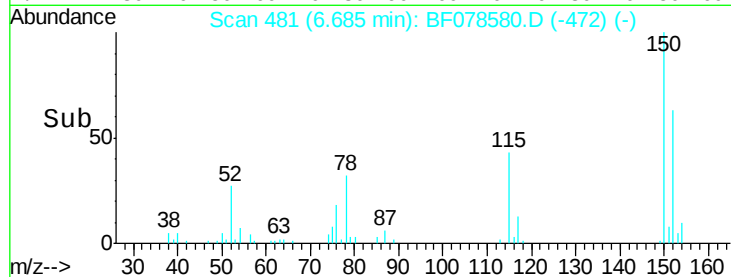
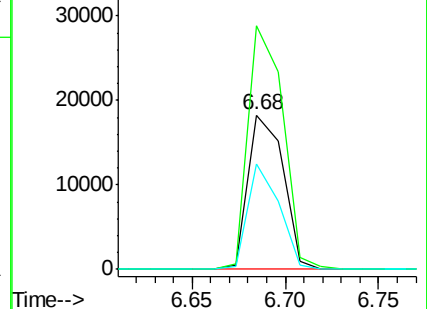
115 68.4 52.7 79.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 22.11 ng

RT: 4.92 min Scan# 327

Delta R.T. 0.02 min

Lab File: BF078580.D

Acq: 16 Apr 2015 22:11

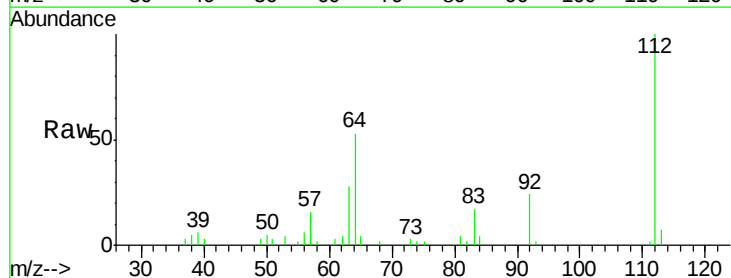
Tgt Ion:112 Resp: 32075

Ion Ratio Lower Upper

112 100

64 53.1 39.9 59.9

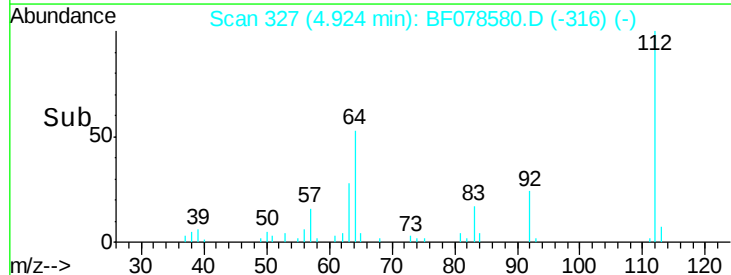
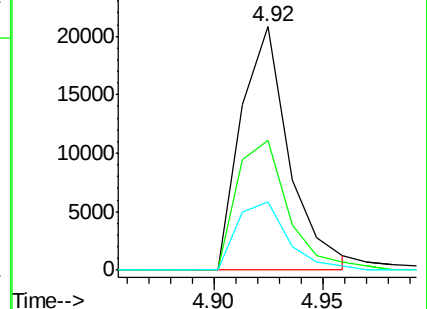
63 28.3 20.2 30.4

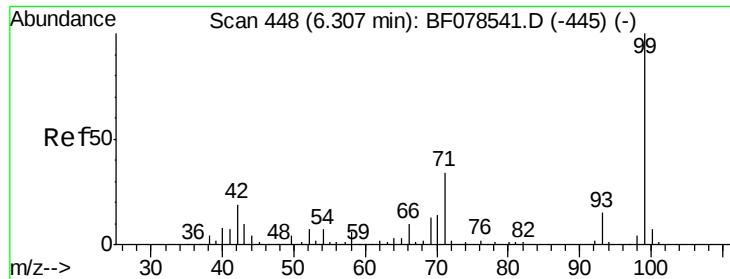


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 24.69 ng

RT: 6.31 min Scan# 448

Delta R.T. 0.01 min

Lab File: BF078580.D

Acq: 16 Apr 2015 22:11

Instrument :

BNA_F

ClientSampleId :

LS-SB10B(14.5-15)

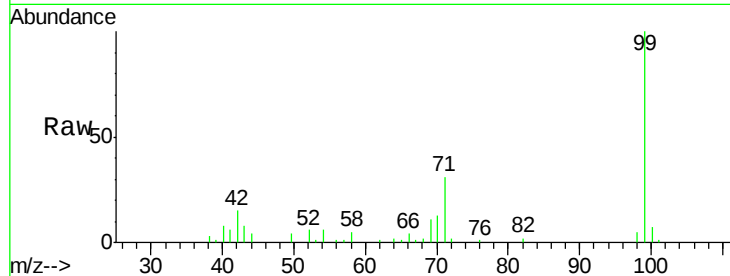
Tgt Ion: 99 Resp: 44883

Ion Ratio Lower Upper

99 100

42 15.4 14.8 22.2

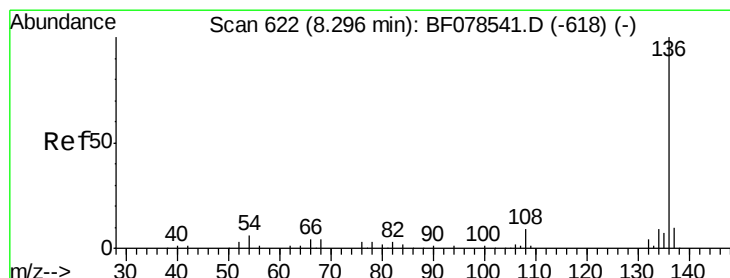
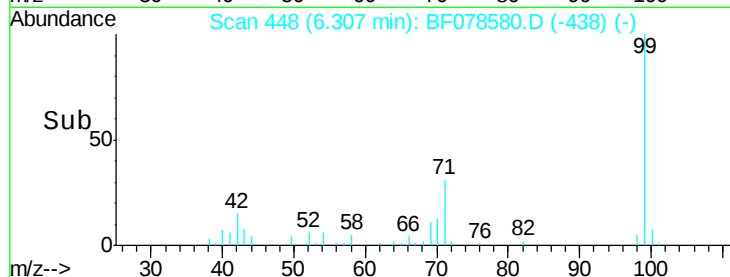
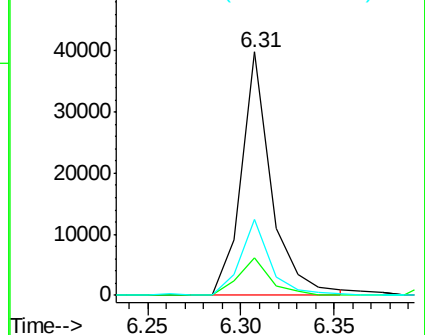
71 31.0 26.6 39.8



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.27 min Scan# 620

Delta R.T. 0.00 min

Lab File: BF078580.D

Acq: 16 Apr 2015 22:11

Tgt Ion: 136 Resp: 106560

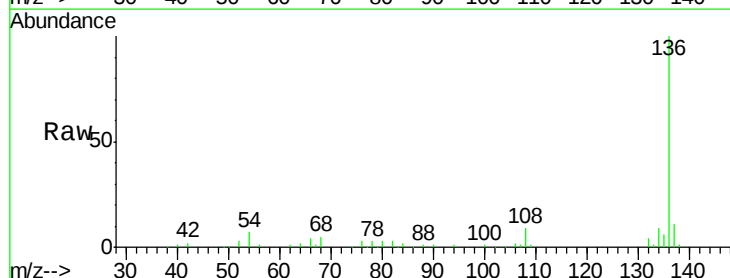
Ion Ratio Lower Upper

136 100

137 10.6 9.0 13.4

54 6.5 7.0 10.6#

68 5.0 5.4 8.2#

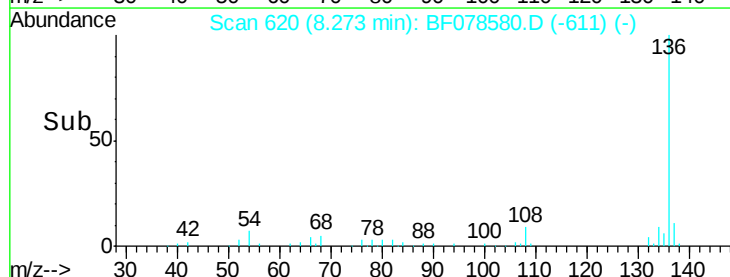
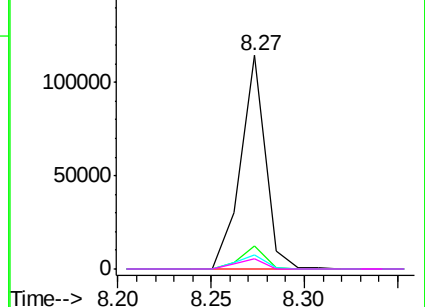


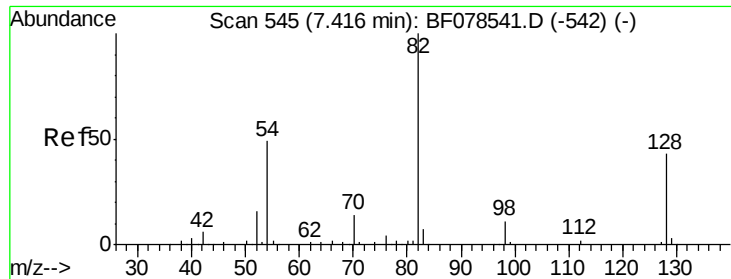
Abundance Ion 136.00 (135.70 to 136.70): E

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

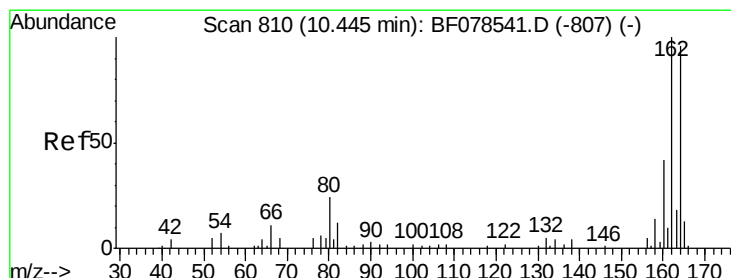
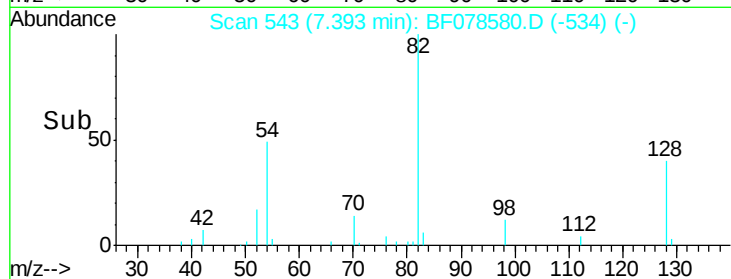
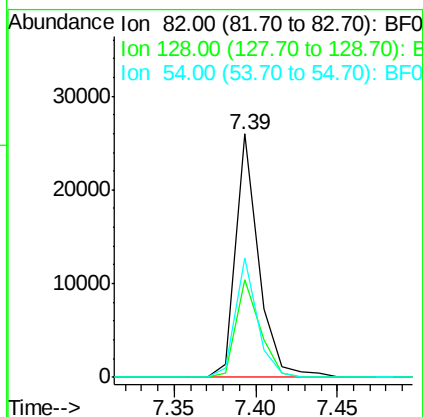
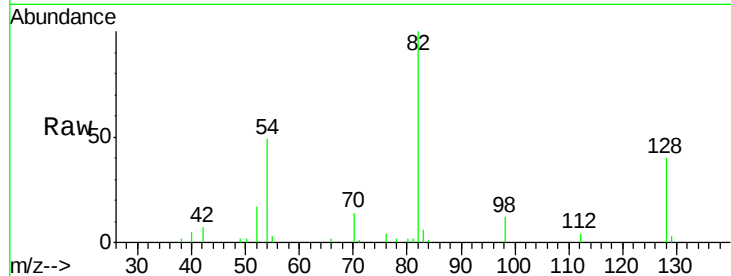




#23
 Nitrobenzene-d5
 Concen: 14.36 ng
 RT: 7.39 min Scan# 543
 Delta R.T. 0.00 min
 Lab File: BF078580.D
 Acq: 16 Apr 2015 22:11

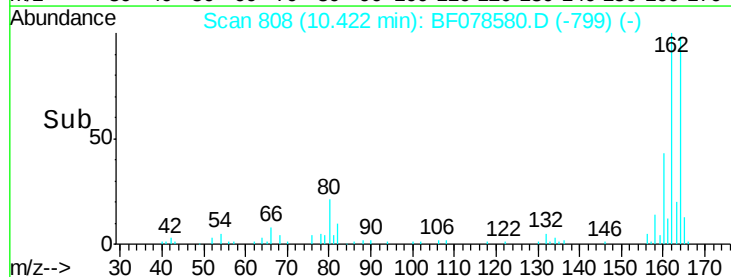
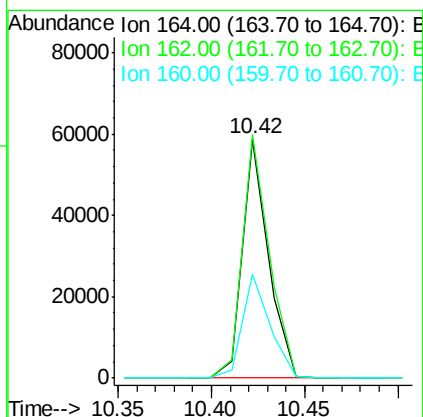
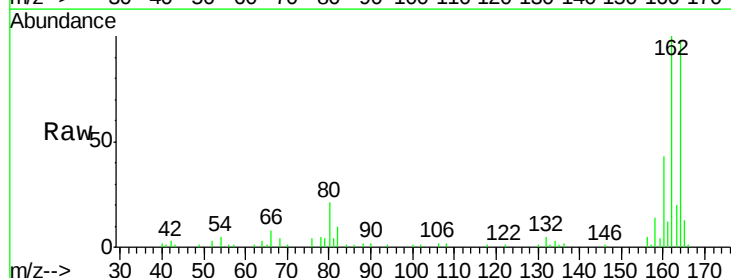
Instrument :
 BNA_F
 ClientSampleId :
 LS-SB10B(14.5-15)

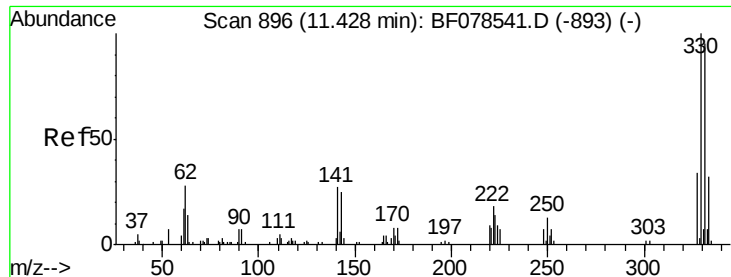
Tgt Ion: 82 Resp: 25245
 Ion Ratio Lower Upper
 82 100
 128 40.3 31.8 47.8
 54 49.1 41.5 62.3



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.42 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: BF078580.D
 Acq: 16 Apr 2015 22:11

Tgt Ion: 164 Resp: 56906
 Ion Ratio Lower Upper
 164 100
 162 101.9 82.2 123.2
 160 43.4 34.7 52.1

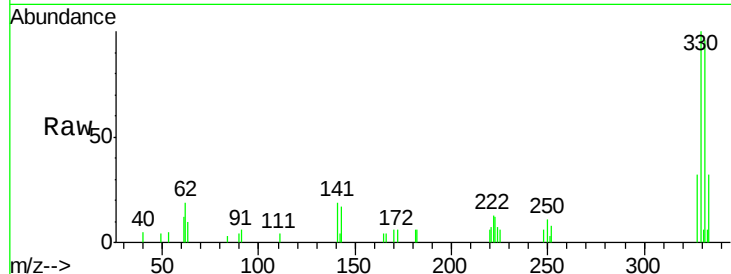




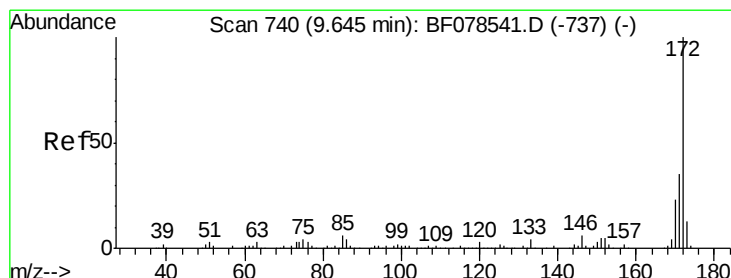
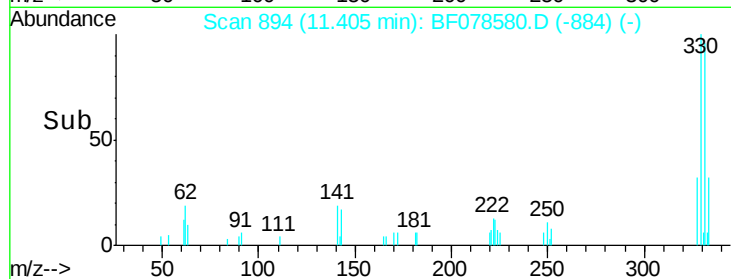
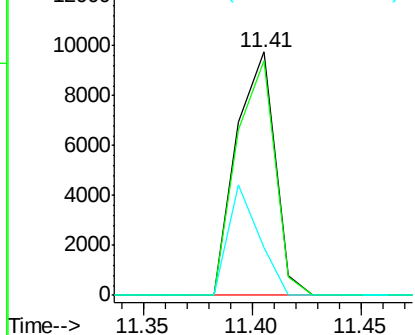
#41
 2,4,6-Tribromophenol
 Concen: 25.36 ng
 RT: 11.41 min Scan# 894
 Delta R.T. 0.01 min
 Lab File: BF078580.D
 Acq: 16 Apr 2015 22:11

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB10B(14.5-15)

Tgt Ion:330 Resp: 11970
 Ion Ratio Lower Upper
 330 100
 332 96.1 78.6 117.8
 141 36.4 31.2 46.8

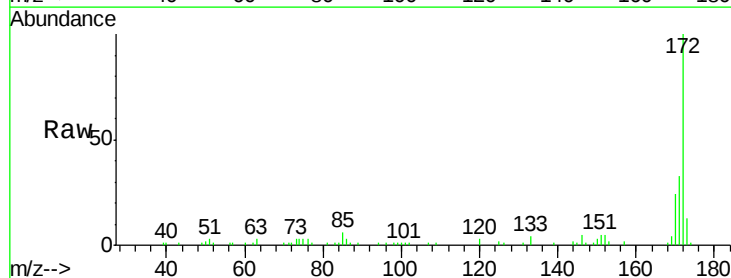


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

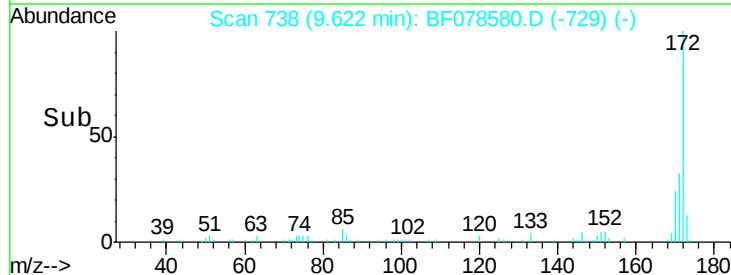
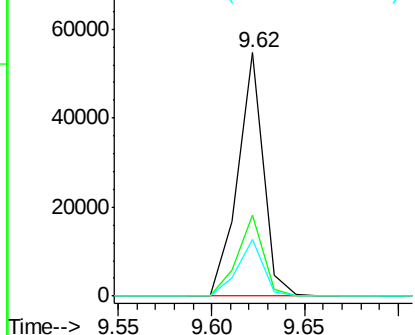


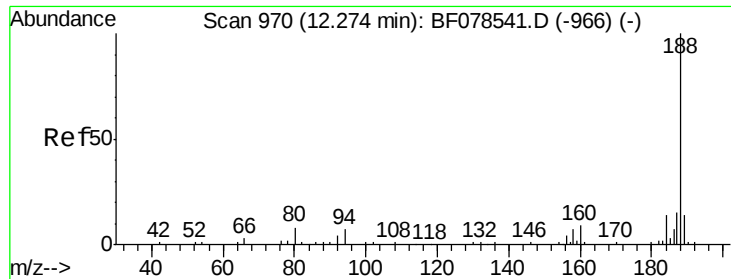
#44
 2-Fluorobiphenyl
 Concen: 13.18 ng
 RT: 9.62 min Scan# 738
 Delta R.T. 0.00 min
 Lab File: BF078580.D
 Acq: 16 Apr 2015 22:11

Tgt Ion:172 Resp: 52452
 Ion Ratio Lower Upper
 172 100
 171 33.3 28.6 42.8
 170 23.6 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

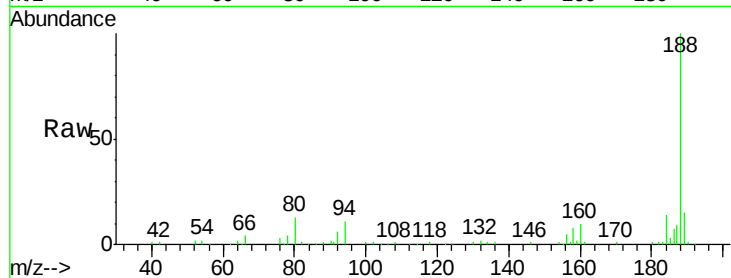




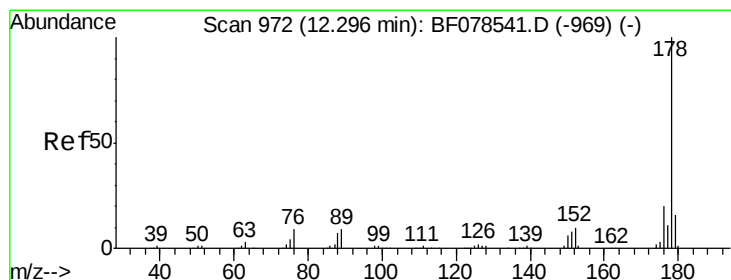
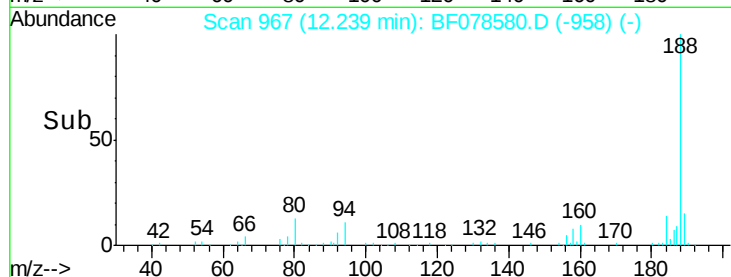
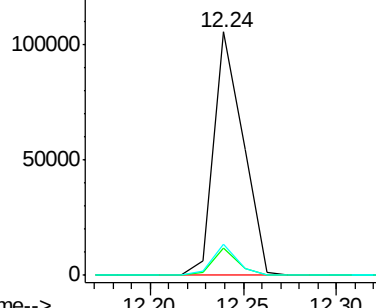
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.24 min Scan# 967
Delta R.T. 0.00 min
Lab File: BF078580.D
Acq: 16 Apr 2015 22:11

Instrument :
BNA_F
ClientSampleId :
LS-SB10B(14.5-15)

Tgt Ion:188 Resp: 115148
Ion Ratio Lower Upper
188 100
94 11.4 9.0 13.4
80 12.5 9.5 14.3

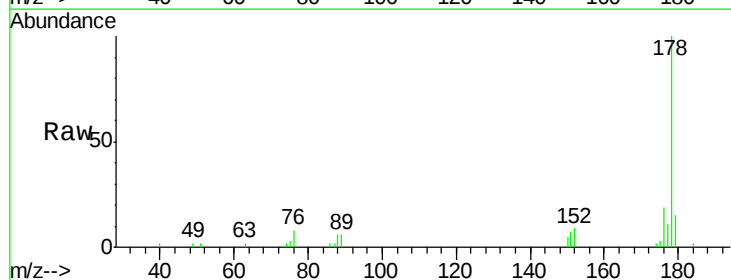


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

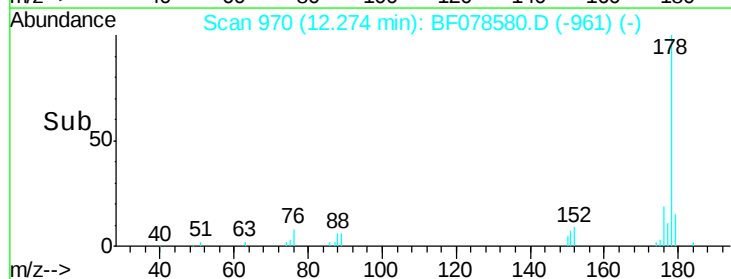
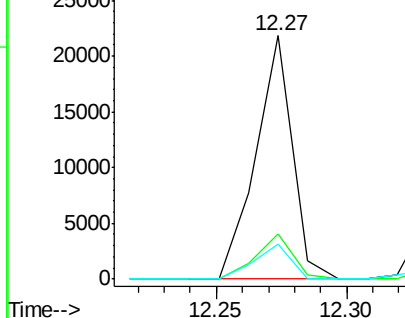


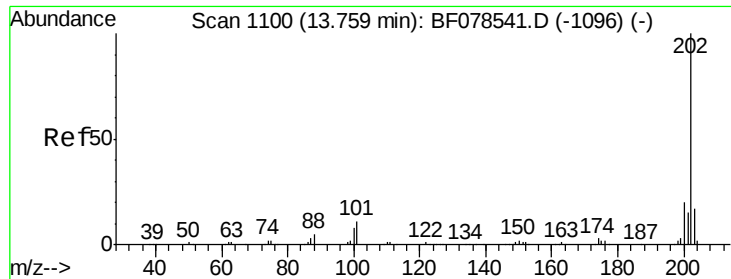
#70
Phenanthrene
Concen: 3.21 ng
RT: 12.27 min Scan# 970
Delta R.T. 0.00 min
Lab File: BF078580.D
Acq: 16 Apr 2015 22:11

Tgt Ion:178 Resp: 21410
Ion Ratio Lower Upper
178 100
176 18.5 15.4 23.0
179 14.5 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





#74

Fluoranthene

Concen: 5.50 ng

RT: 13.73 min Scan# 1097

Delta R.T. 0.00 min

Lab File: BF078580.D

Acq: 16 Apr 2015 22:11

Instrument :

BNA_F

ClientSampleId :

LS-SB10B(14.5-15)

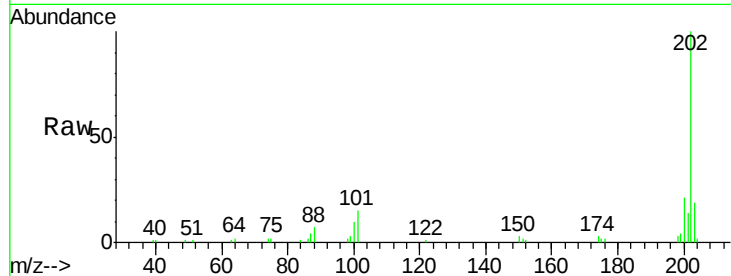
Tgt Ion: 202 Resp: 38605

Ion Ratio Lower Upper

202 100

101 14.5 0.0 35.2

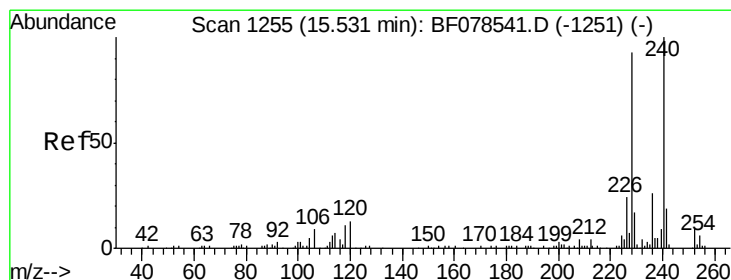
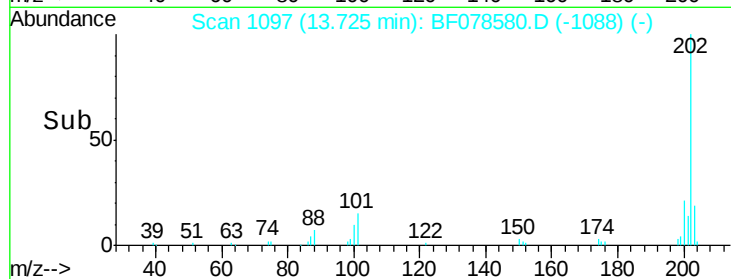
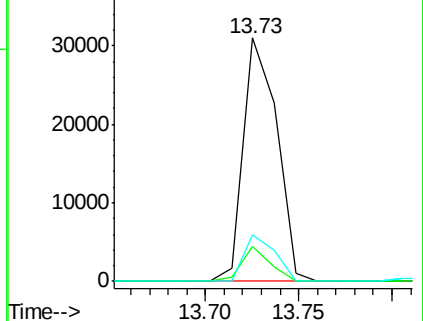
203 19.0 0.0 38.5



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: BF078580.D

Acq: 16 Apr 2015 22:11

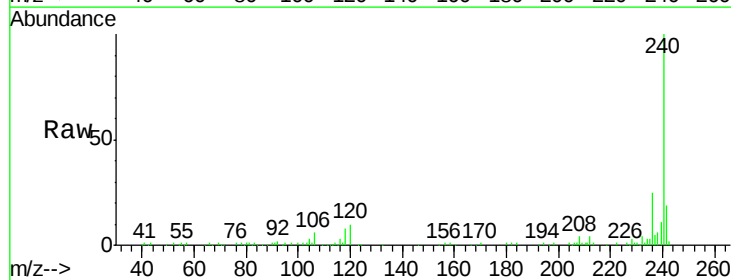
Tgt Ion: 240 Resp: 133954

Ion Ratio Lower Upper

240 100

120 9.6 7.1 10.7

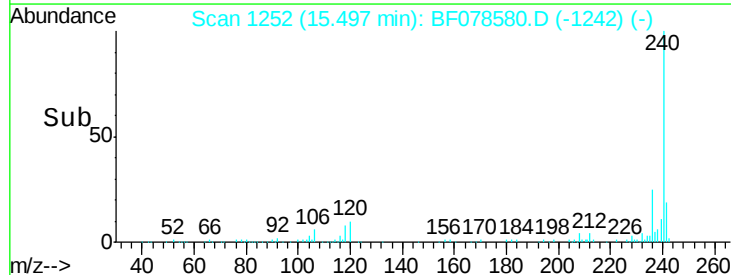
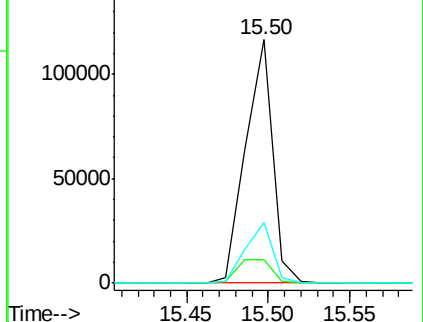
236 24.8 21.4 32.2

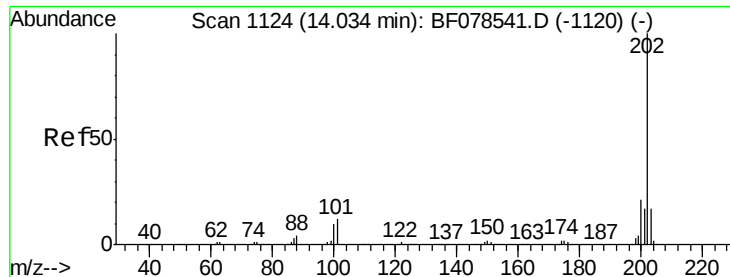


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

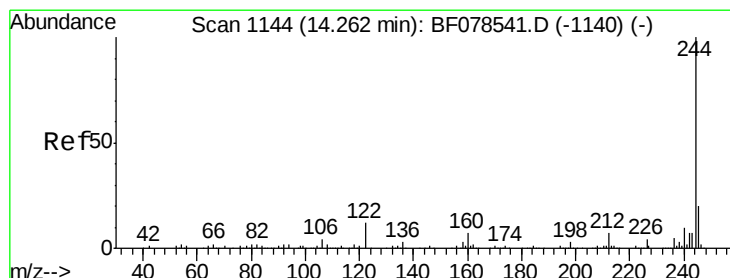
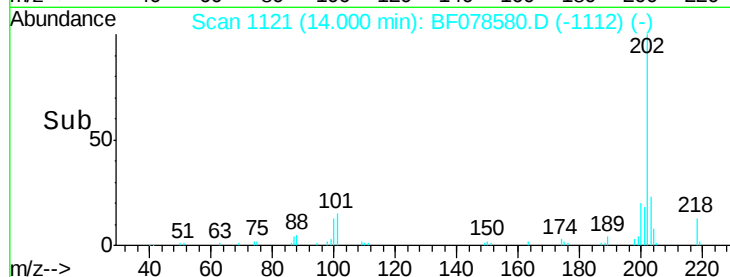
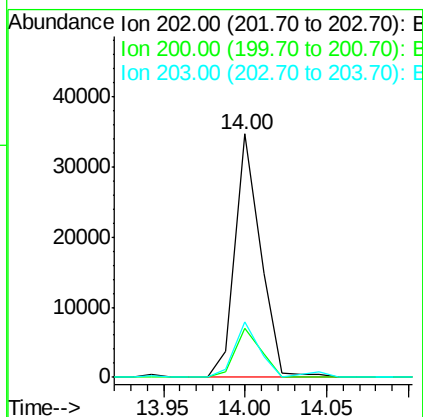
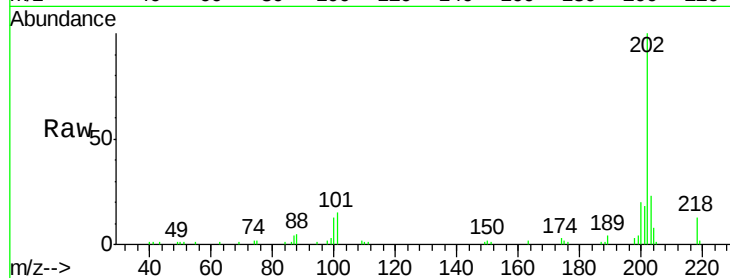




#77
 Pyrene
 Concen: 4.46 ng
 RT: 14.00 min Scan# 1121
 Delta R.T. 0.00 min
 Lab File: BF078580.D
 Acq: 16 Apr 2015 22:11

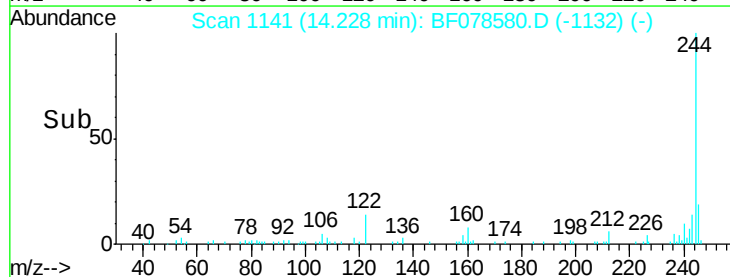
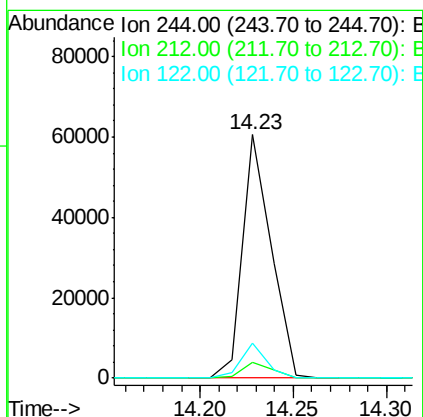
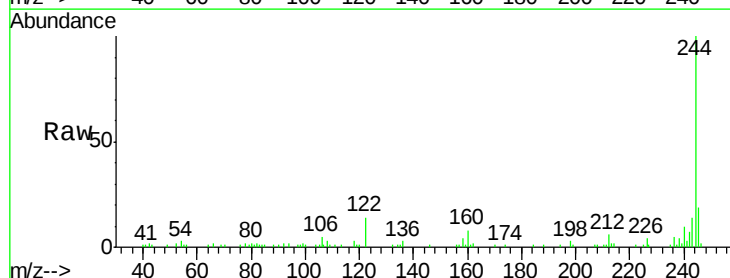
Instrument :
 BNA_F
 ClientSampleId :
 LS-SB10B(14.5-15)

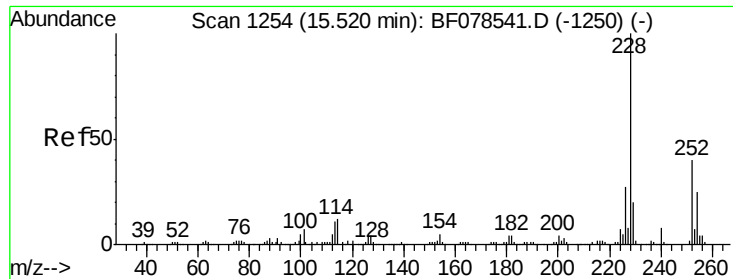
Tgt Ion: 202 Resp: 37508
 Ion Ratio Lower Upper
 202 100
 200 20.2 16.3 24.5
 203 22.9 13.8 20.6#



#78
 Terphenyl-d14
 Concen: 10.96 ng
 RT: 14.23 min Scan# 1141
 Delta R.T. 0.00 min
 Lab File: BF078580.D
 Acq: 16 Apr 2015 22:11

Tgt Ion: 244 Resp: 64949
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.0 7.4
 122 14.1 7.1 10.7#





#80

Benzo(a)anthracene

Concen: 3.35 ng

RT: 15.49 min Scan# 1251

Delta R.T. 0.01 min

Lab File: BF078580.D

Acq: 16 Apr 2015 22:11

Instrument :

BNA_F

ClientSampleId :

LS-SB10B(14.5-15)

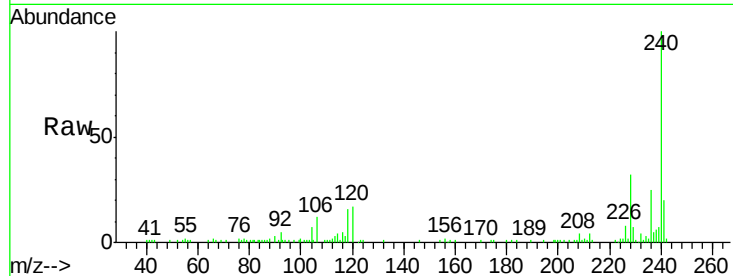
Tgt Ion:228 Resp: 26737

Ion Ratio Lower Upper

228 100

226 26.5 21.3 31.9

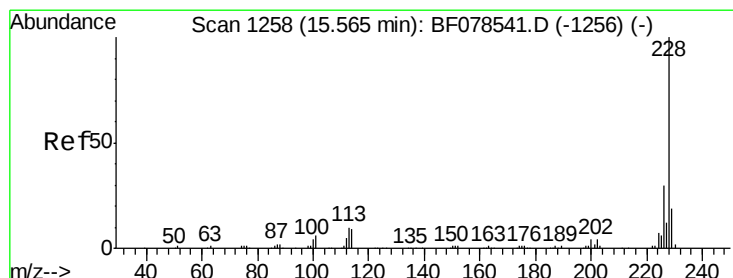
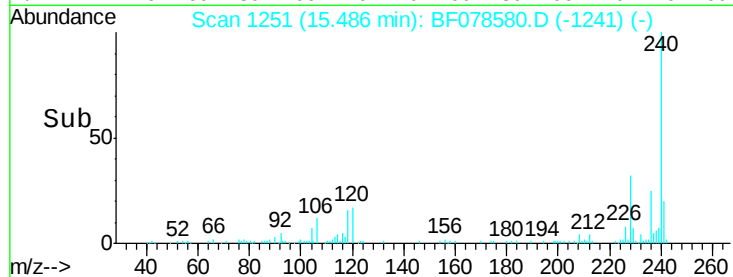
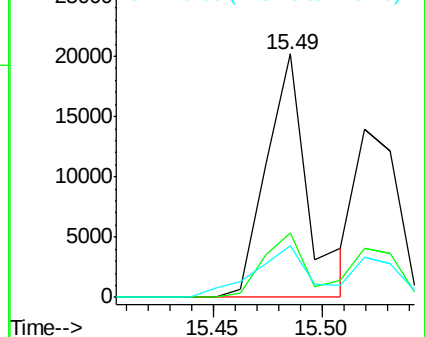
229 20.9 15.4 23.2



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: 2.48 ng

RT: 15.52 min Scan# 1254

Delta R.T. 0.00 min

Lab File: BF078580.D

Acq: 16 Apr 2015 22:11

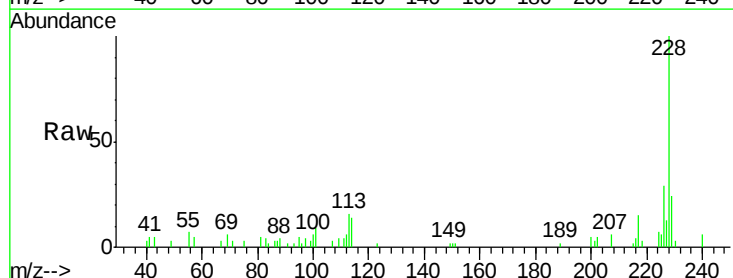
Tgt Ion:228 Resp: 18539

Ion Ratio Lower Upper

228 100

226 28.9 24.2 36.4

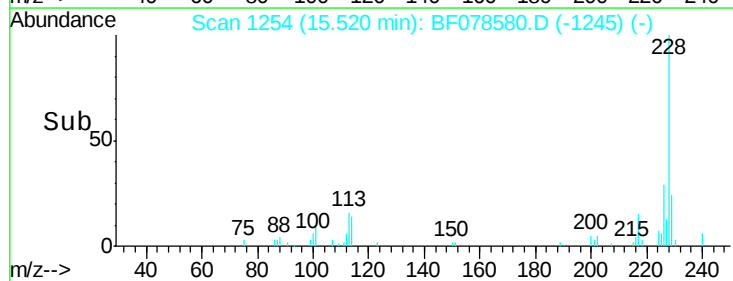
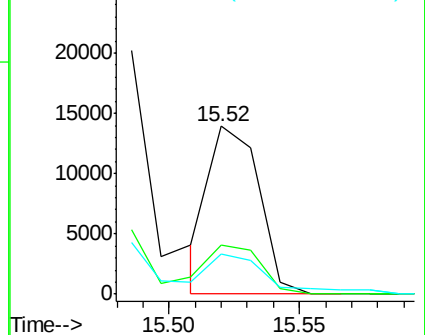
229 23.6 15.8 23.8

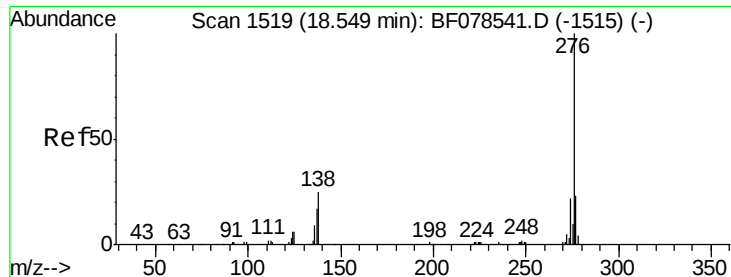


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

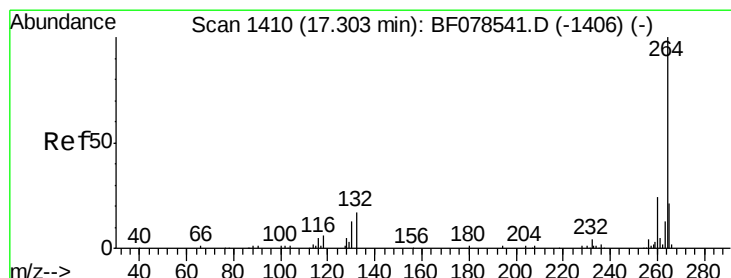
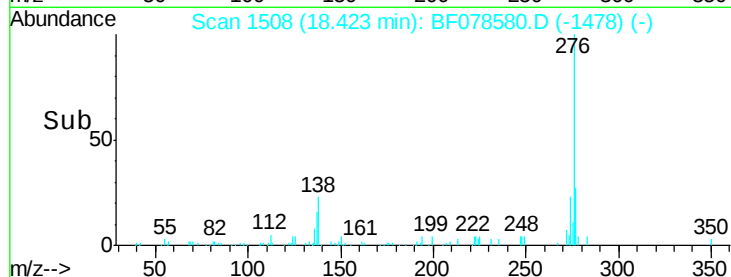
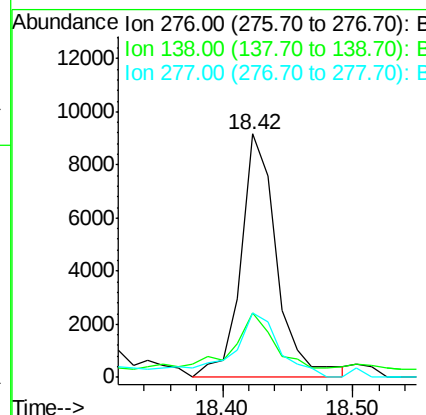
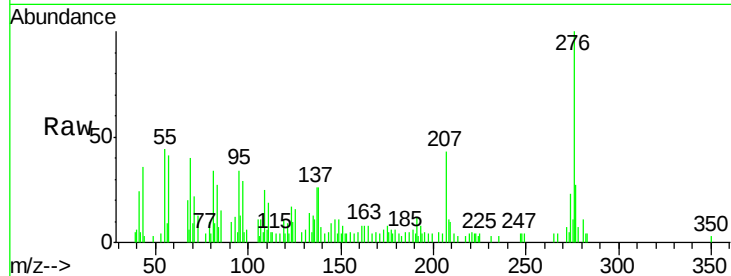




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.06 ng
 RT: 18.42 min Scan# 1508
 Delta R.T. 0.05 min
 Lab File: BF078580.D
 Acq: 16 Apr 2015 22:11

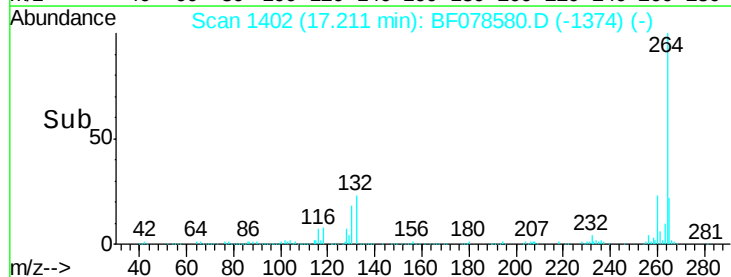
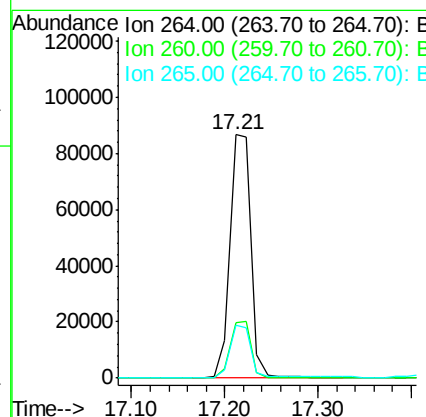
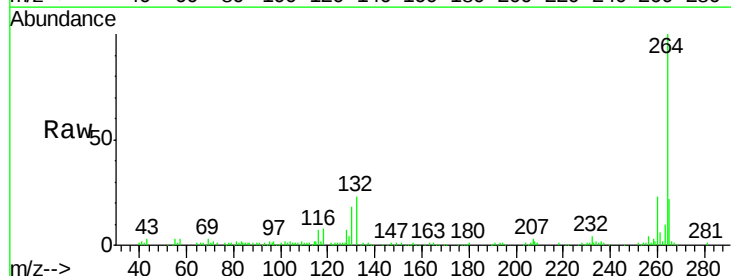
Instrument :
 BNA_F
 ClientSampleId :
 LS-SB10B(14.5-15)

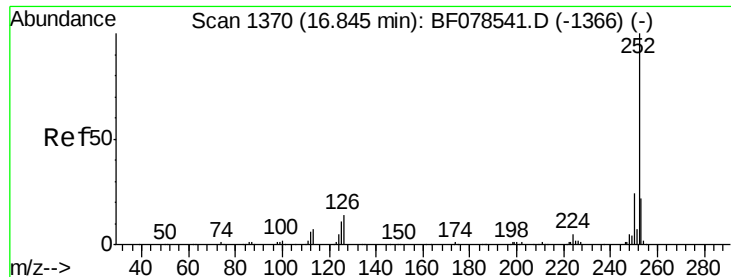
Tgt Ion: 276 Resp: 17539
 Ion Ratio Lower Upper
 276 100
 138 31.7 16.9 25.3#
 277 37.5 15.8 23.6#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.21 min Scan# 1402
 Delta R.T. 0.02 min
 Lab File: BF078580.D
 Acq: 16 Apr 2015 22:11

Tgt Ion: 264 Resp: 135705
 Ion Ratio Lower Upper
 264 100
 260 22.7 18.6 27.8
 265 21.9 17.0 25.6

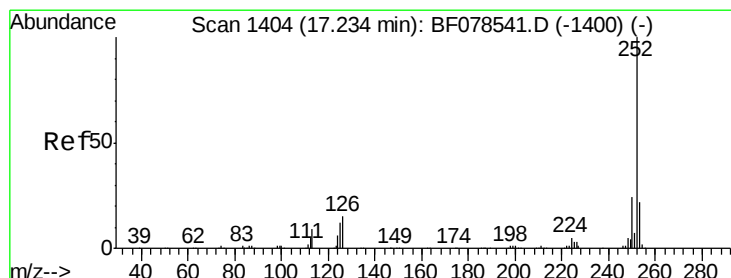
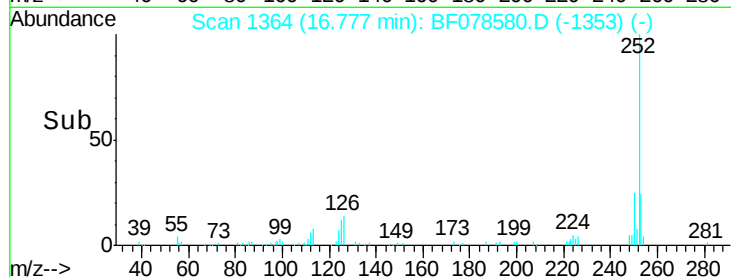
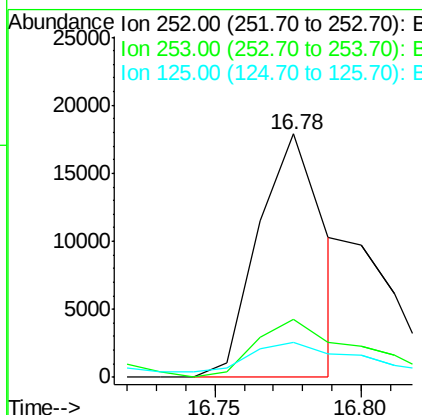
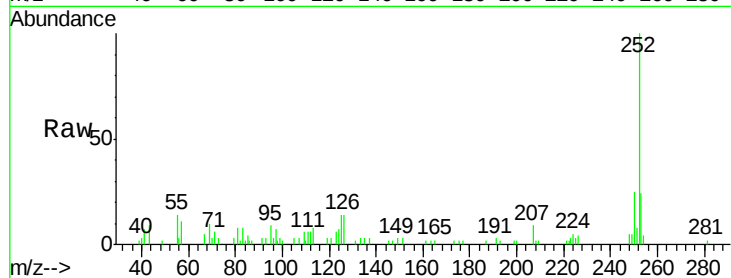




#87
Benzo(b)fluoranthene
Concen: 3.33 ng m
RT: 16.78 min Scan# 1364
Delta R.T. 0.02 min
Lab File: BF078580.D
Acq: 16 Apr 2015 22:11

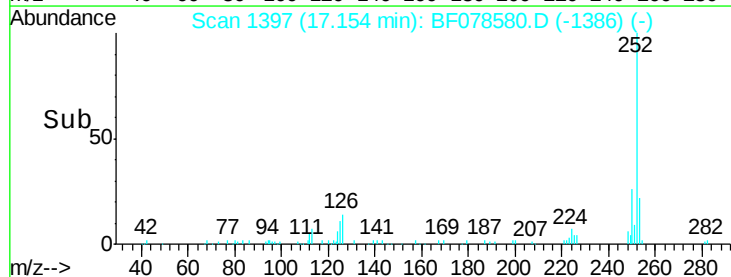
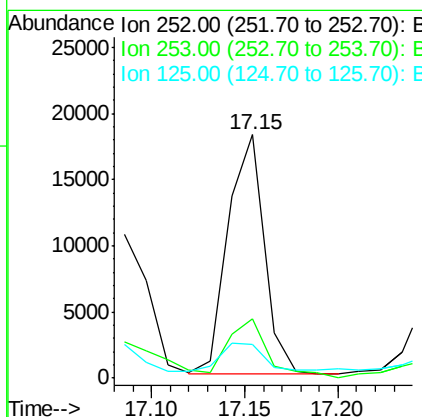
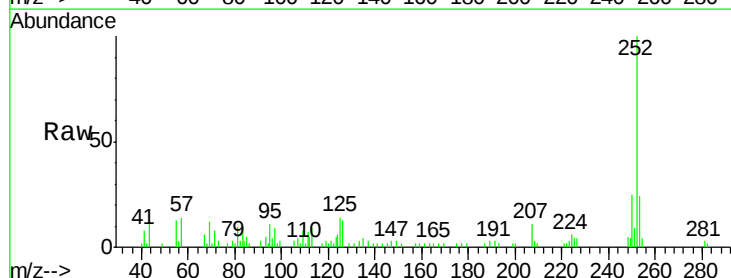
Instrument :
BNA_F
ClientSampleId :
LS-SB10B(14.5-15)

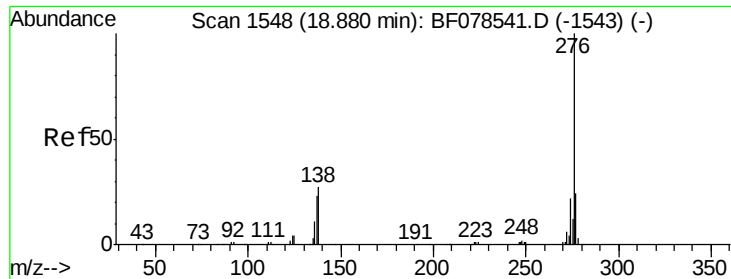
Tgt Ion:252 Resp: 27955
Ion Ratio Lower Upper
252 100
253 23.8 17.2 25.8
125 14.4 7.0 10.4#



#89
Benzo(a)pyrene
Concen: 3.37 ng
RT: 17.15 min Scan# 1397
Delta R.T. 0.02 min
Lab File: BF078580.D
Acq: 16 Apr 2015 22:11

Tgt Ion:252 Resp: 24651
Ion Ratio Lower Upper
252 100
253 24.3 16.8 25.2
125 13.9 7.4 11.0#





#91

Benzo(g,h,i)perylene

Concen: 2.16 ng

RT: 18.75 min Scan# 1537

Delta R.T. 0.05 min

Lab File: BF078580.D

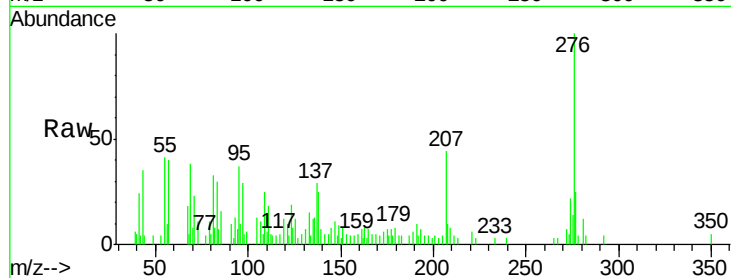
Acq: 16 Apr 2015 22:11

Instrument :

BNA_F

ClientSampleId :

LS-SB10B(14.5-15)



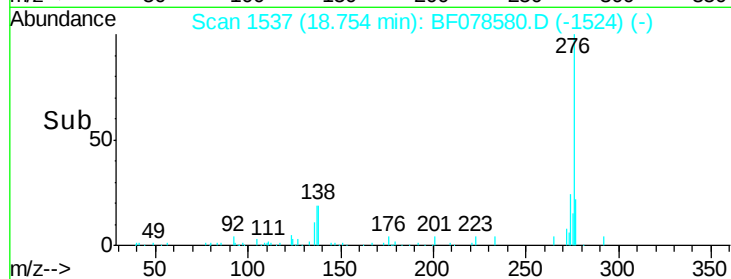
Tgt Ion: 276 Resp: 15876

Ion Ratio Lower Upper

276 100

277 25.4 19.0 28.4

138 24.7 19.9 29.9



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

