

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040615\
 Data File : BF078275.D
 Acq On : 7 Apr 2015 1:17
 Operator : TP/IZ
 Sample : G1600-02
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-A-3(J)

Quant Time: Apr 07 03:44:12 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 07 04:11:17 2015
 Response via : Initial Calibration

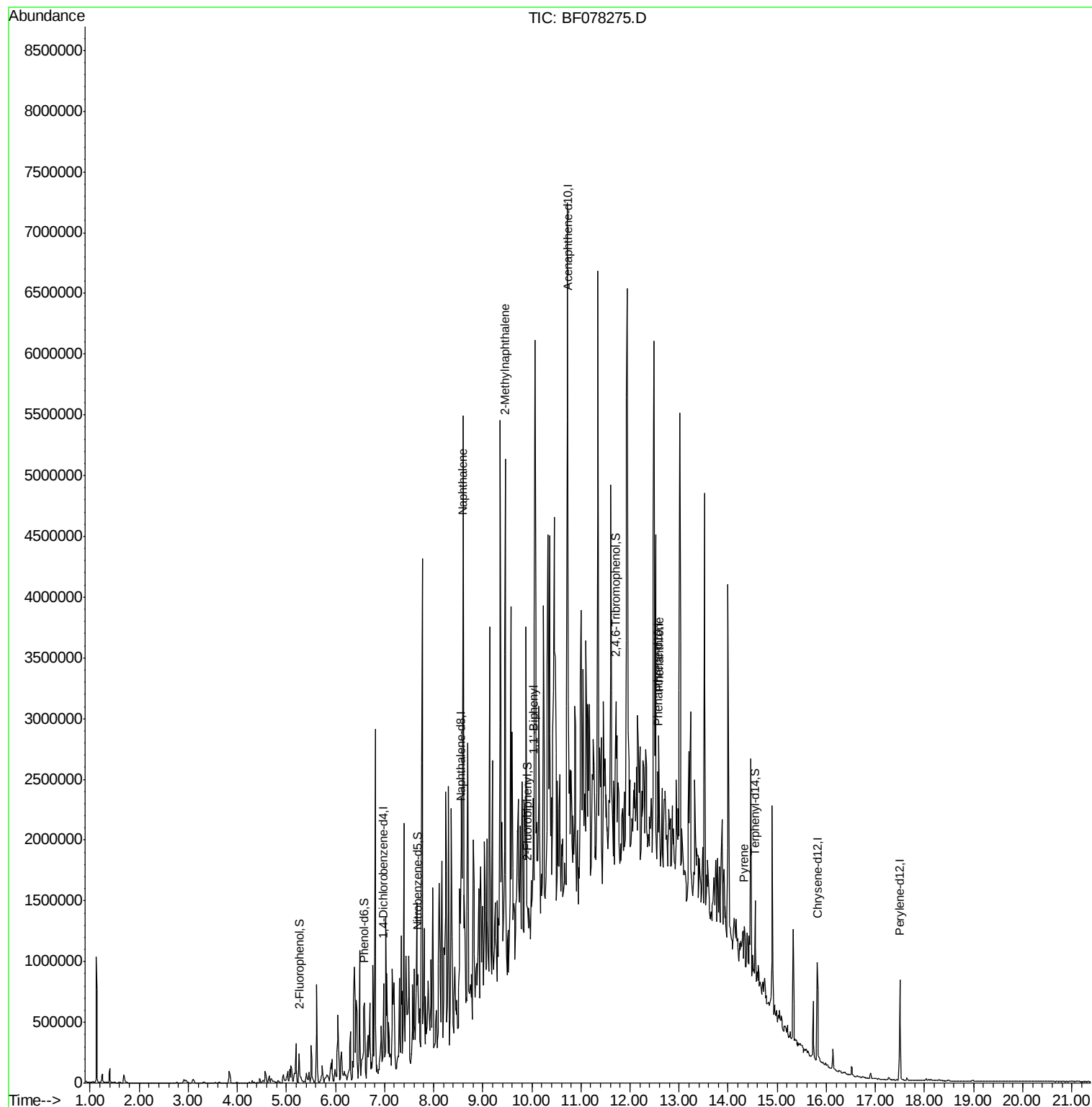
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	93104	20.00	ng	0.00
21) Naphthalene-d8	8.56	136	331673	20.00	ng	0.00
38) Acenaphthene-d10	10.73	164	116215	20.00	ng	0.01
63) Phenanthrene-d10	12.57	188	321059	20.00	ng	0.02
75) Chrysene-d12	15.81	240	391134	20.00	ng	0.00
86) Perylene-d12	17.49	264	387899	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	115543	20.46	ng	0.01
7) Phenol-d6	6.58	99	157799	22.30	ng	0.00
23) Nitrobenzene-d5	7.68	82	128059	23.40	ng	0.00
41) 2,4,6-Tribromophenol	11.71	330	21592	22.40	ng	0.01
44) 2-Fluorobiphenyl	9.90	172	206680	25.42	ng	0.00
78) Terphenyl-d14	14.55	244	247002	14.27	ng	0.00
Target Compounds						
31) Naphthalene	8.59	128	720997	41.77	ng	Qvalue 96
37) 2-Methylnaphthalene	9.46	142	1399600	119.42	ng	# 95
45) 1,1'-Biphenyl	10.03	154	315316	33.17	ng	98
70) Phenanthrene	12.59	178	564274	30.38	ng	97
77) Pyrene	14.33	202	123786	5.04	ng	# 86

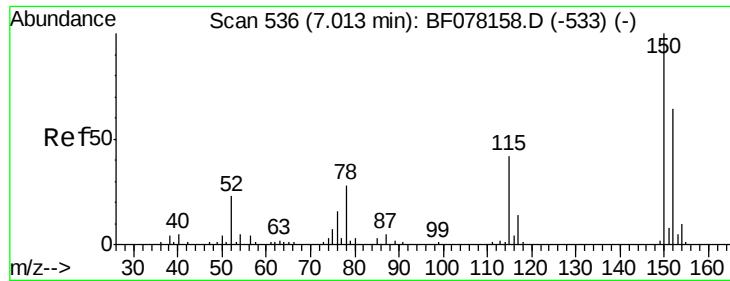
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.98 min Scan# 533

Delta R.T. 0.00 min

Lab File: BF078275.D

Acq: 7 Apr 2015 1:17

Instrument :

BNA_F

ClientSampleId :

S-A-3(J)

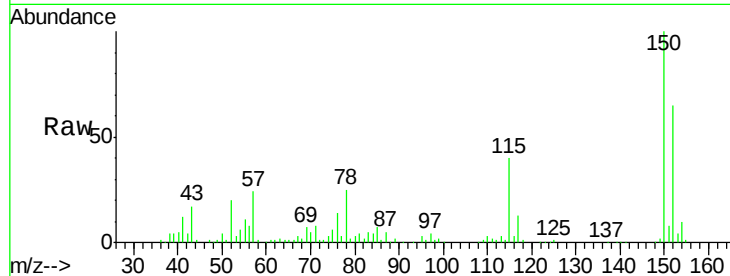
Tot Ion:152 Resp: 93104

Ion Ratio Lower Upper

152 100

150 154.5 125.9 188.9

115 61.8 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

200000

150000

100000

50000

0

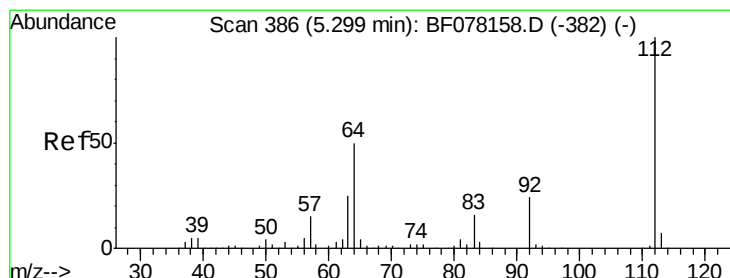
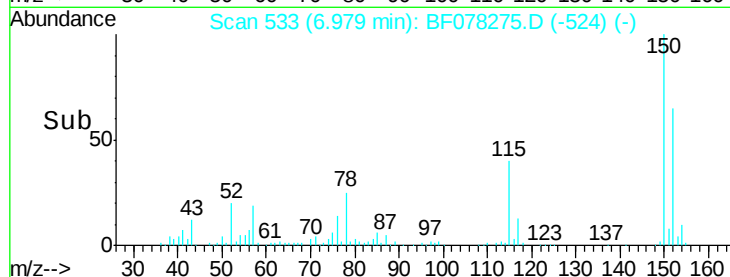
6.95

6.98

7.00

7.05

Time-->



#5

2-Fluorophenol

Concen: 20.46 ng

RT: 5.26 min Scan# 383

Delta R.T. 0.01 min

Lab File: BF078275.D

Acq: 7 Apr 2015 1:17

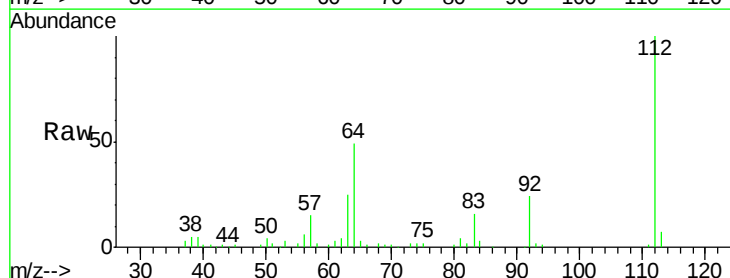
Tgt Ion:112 Resp: 115543

Ion Ratio Lower Upper

112 100

64 48.8 39.9 59.9

63 24.7 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

100000

80000

60000

40000

20000

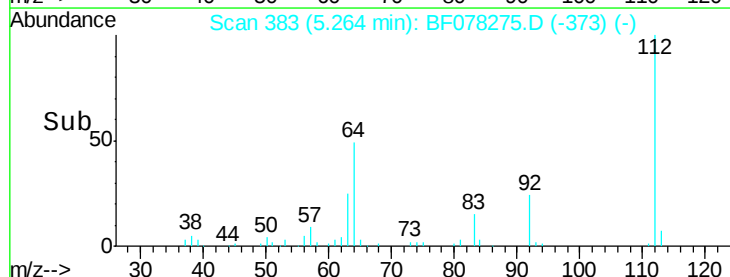
0

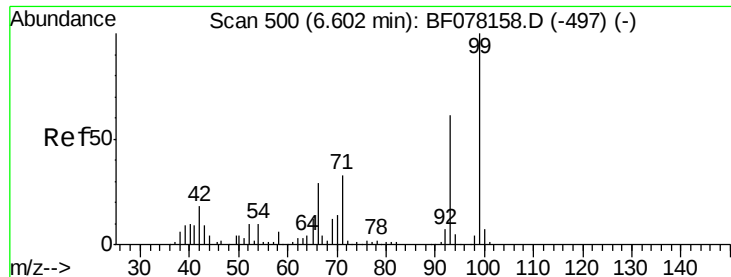
5.20

5.25

5.30

Time-->





#7

Phenol-d6

Concen: 22.30 ng

RT: 6.58 min Scan# 498

Delta R.T. 0.00 min

Lab File: BF078275.D

Acq: 7 Apr 2015 1:17

Instrument :

BNA_F

ClientSampleId :

S-A-3(J)

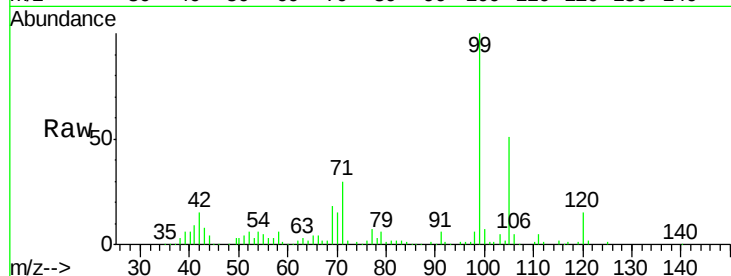
Tot Ion: 99 Resp: 157799

Ion Ratio Lower Upper

99 100

42 14.7 14.8 22.2#

71 30.2 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

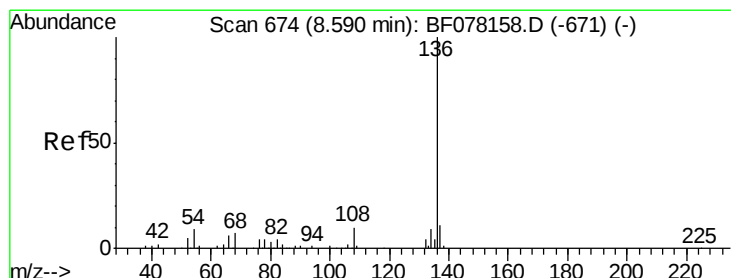
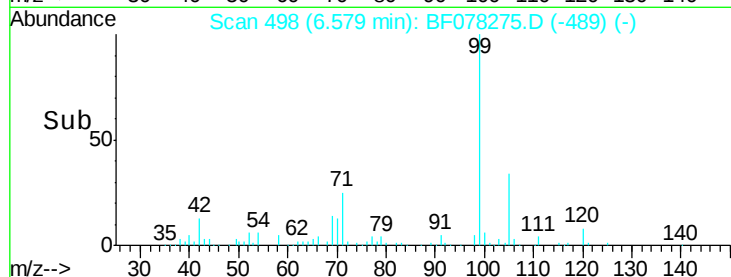
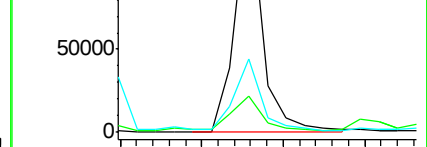
6.58

150000

100000

50000

0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.56 min Scan# 671

Delta R.T. 0.00 min

Lab File: BF078275.D

Acq: 7 Apr 2015 1:17

Tgt Ion: 136 Resp: 331673

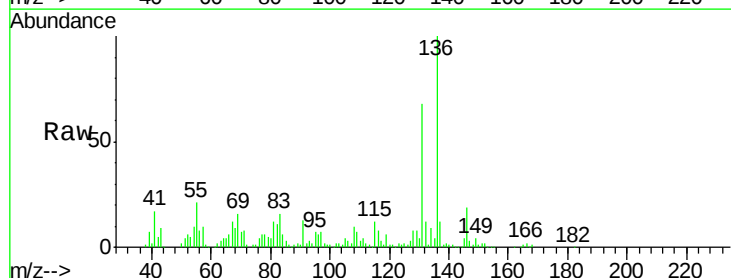
Ion Ratio Lower Upper

136 100

137 11.8 9.0 13.4

54 10.4 7.0 10.6

68 9.4 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

8.56

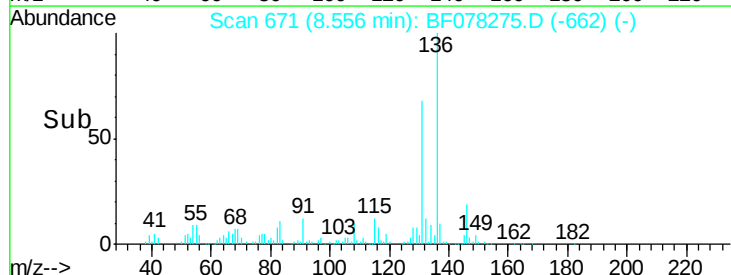
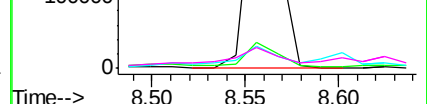
400000

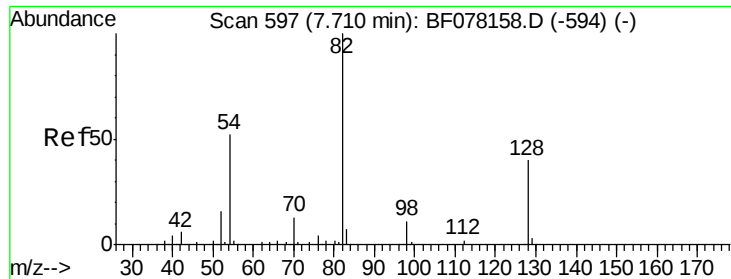
300000

200000

100000

0

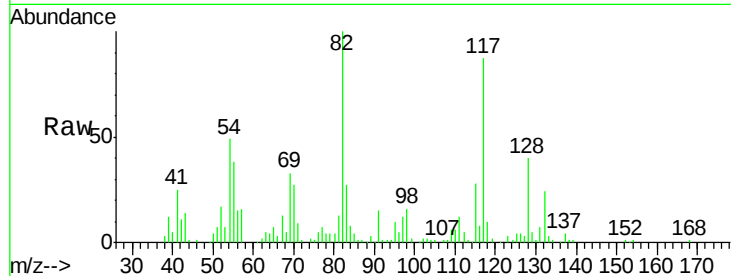




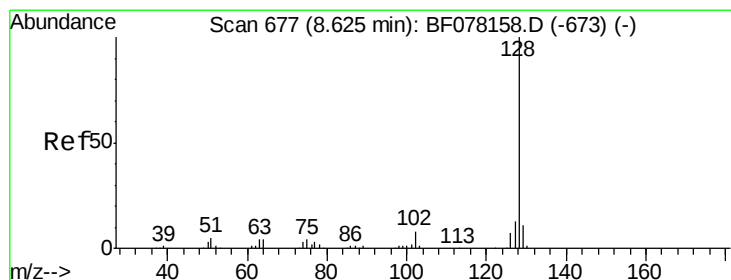
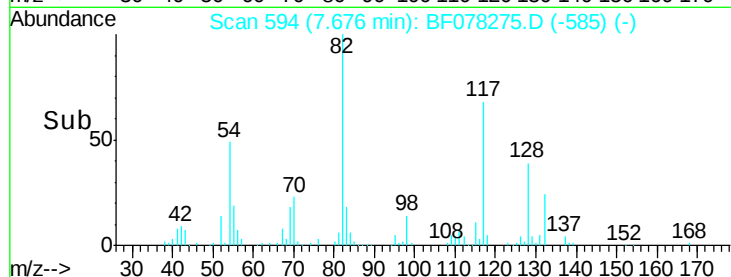
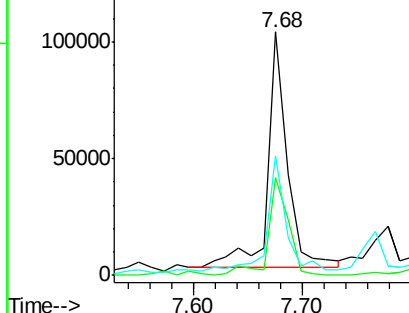
#23
 Nitrobenzene-d5
 Concen: 23.40 ng
 RT: 7.68 min Scan# 594
 Delta R.T. 0.00 min
 Lab File: BF078275.D
 Acq: 7 Apr 2015 1:17

Instrument :
 BNA_F
 ClientSampleId :
 S-A-3(J)

Tot Ion	82	Resp	128	59
Ion Ratio	100			
Lower		31.8		
Upper		47.8		
54	49.1		41.5	62.3

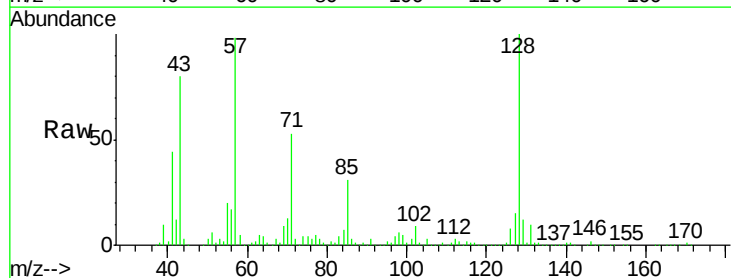


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

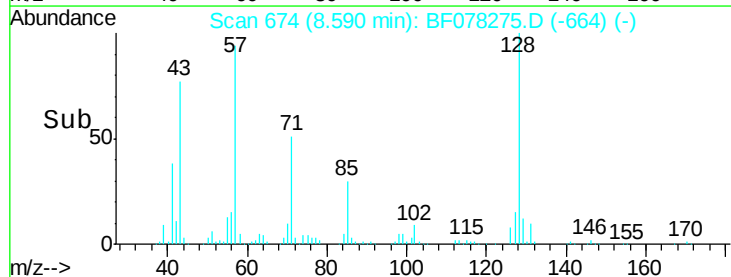
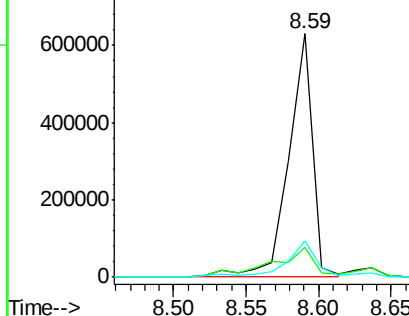


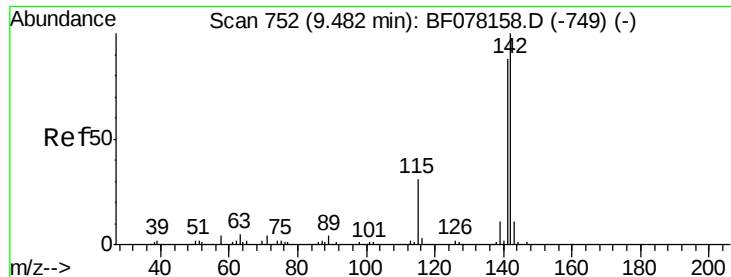
#31
 Naphthalene
 Concen: 41.77 ng
 RT: 8.59 min Scan# 674
 Delta R.T. 0.01 min
 Lab File: BF078275.D
 Acq: 7 Apr 2015 1:17

Tgt Ion	128	Resp	720	997
Ion Ratio	100			
Lower		8.6		
Upper		12.8		
129	12.0		10.7	16.1
127	14.8			



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E

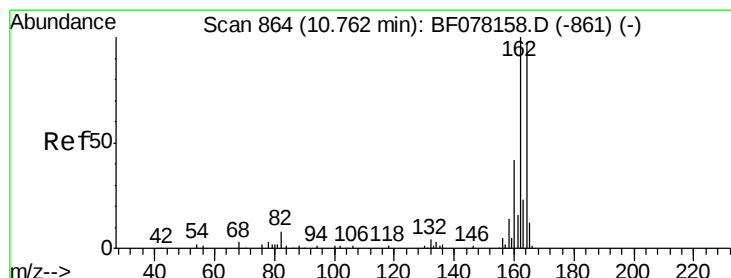
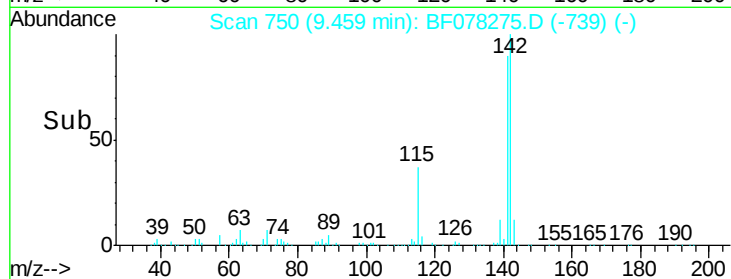
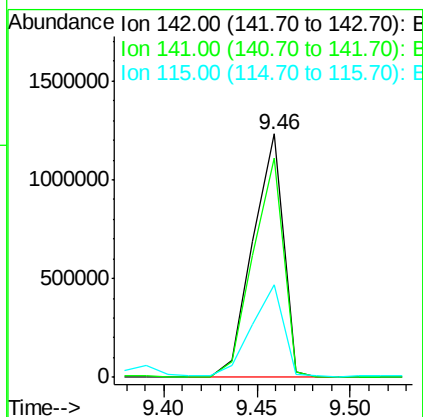
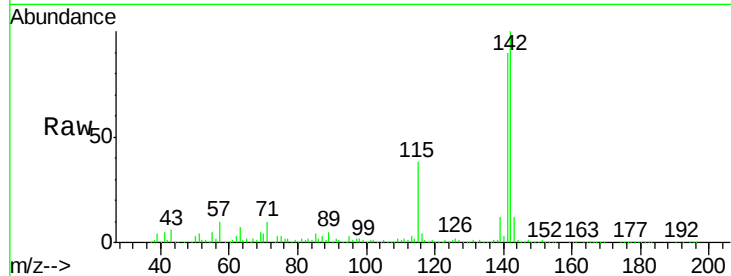




#37
 2-Methylnaphthalene
 Concen: 119.42 ng
 RT: 9.46 min Scan# 750
 Delta R.T. 0.02 min
 Lab File: BF078275.D
 Acq: 7 Apr 2015 1:17

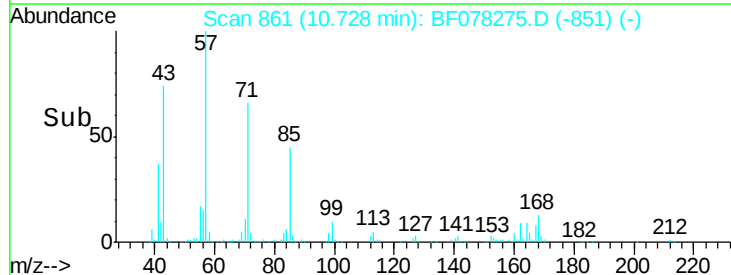
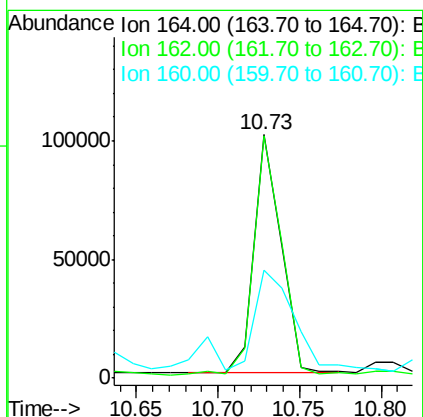
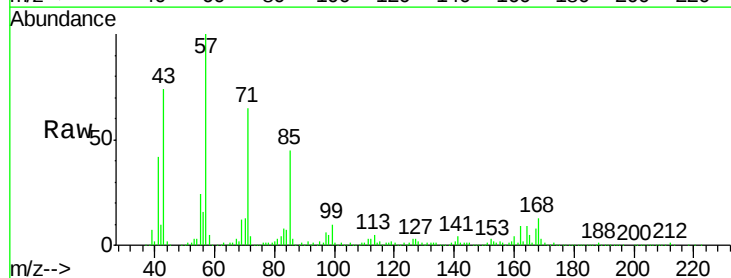
Instrument :
 BNA_F
 ClientSampleId :
 S-A-3(J)

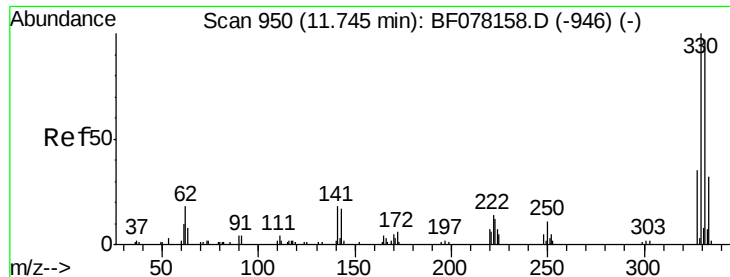
Tot Ion:142 Resp: 1399600
 Ion Ratio Lower Upper
 142 100
 141 90.0 70.3 105.5
 115 38.0 24.6 37.0#



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.73 min Scan# 861
 Delta R.T. 0.01 min
 Lab File: BF078275.D
 Acq: 7 Apr 2015 1:17

Tgt Ion:164 Resp: 116215
 Ion Ratio Lower Upper
 164 100
 162 99.4 82.2 123.2
 160 44.3 34.7 52.1

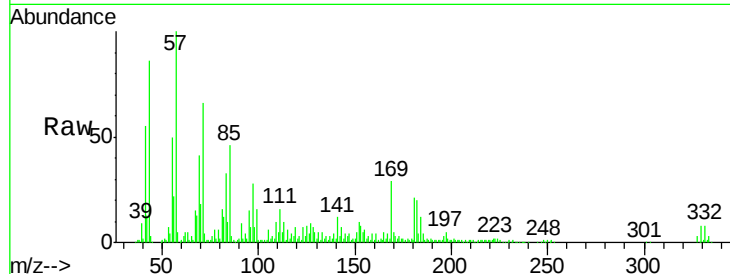




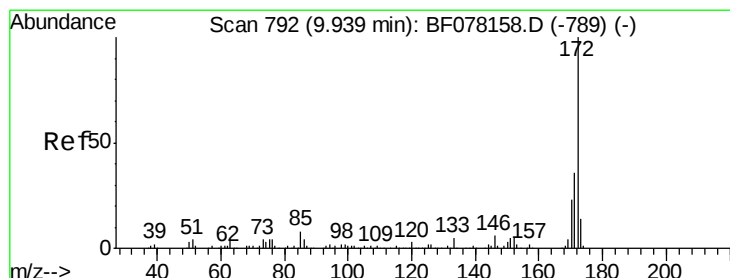
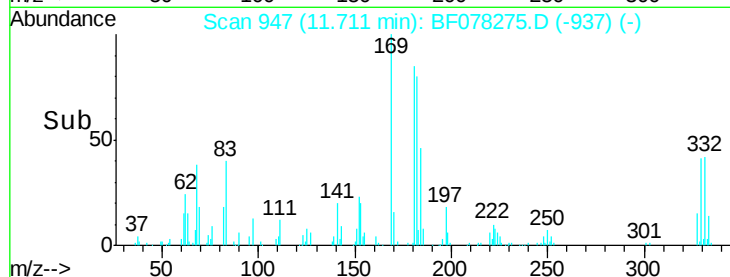
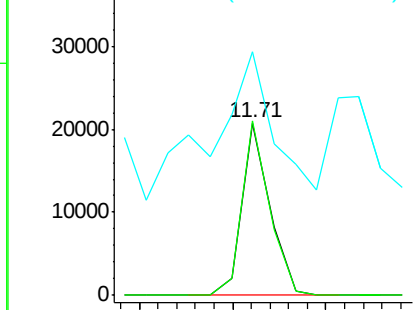
#41
 2,4,6-Tribromophenol
 Concen: 22.40 ng
 RT: 11.71 min Scan# 947
 Delta R.T. 0.01 min
 Lab File: BF078275.D
 Acq: 7 Apr 2015 1:17

Instrument :
 BNA_F
 ClientSampleId :
 S-A-3(J)

Tot Ion:330 Resp: 21592
 Ion Ratio Lower Upper
 330 100
 332 99.8 78.6 117.8
 141 189.0 31.2 46.8#

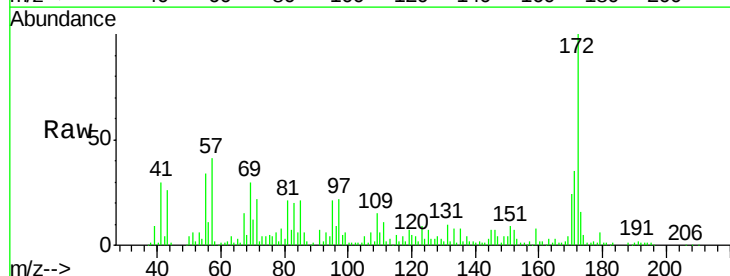


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

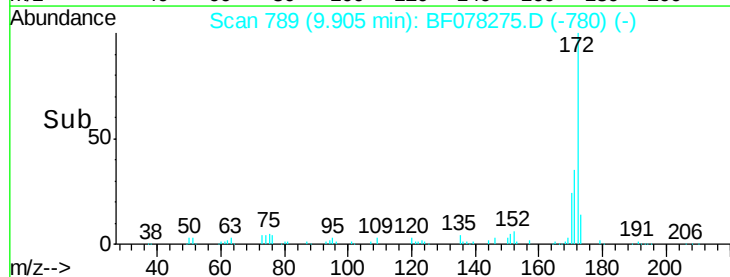
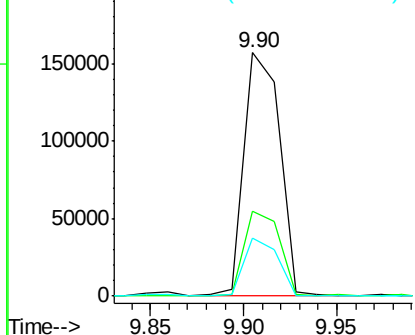


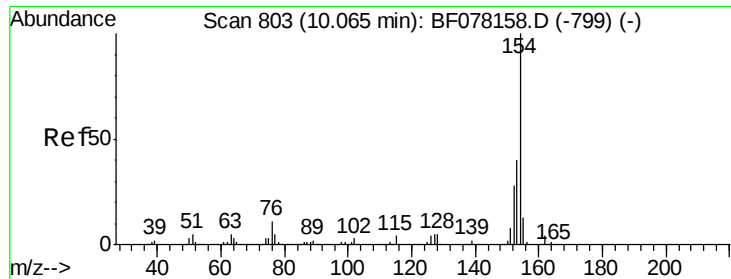
#44
 2-Fluorobiphenyl
 Concen: 25.42 ng
 RT: 9.90 min Scan# 789
 Delta R.T. 0.00 min
 Lab File: BF078275.D
 Acq: 7 Apr 2015 1:17

Tgt Ion:172 Resp: 206680
 Ion Ratio Lower Upper
 172 100
 171 35.1 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

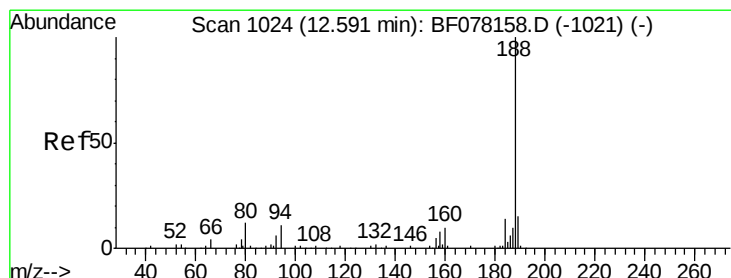
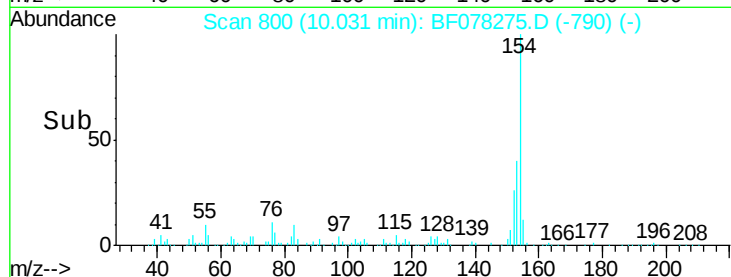
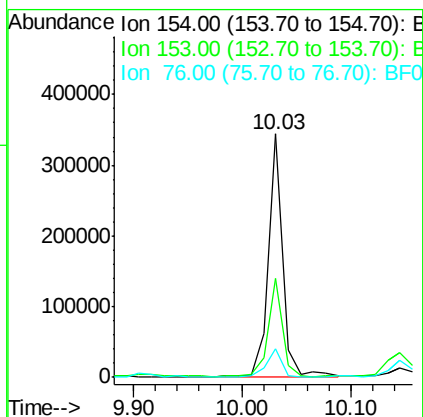
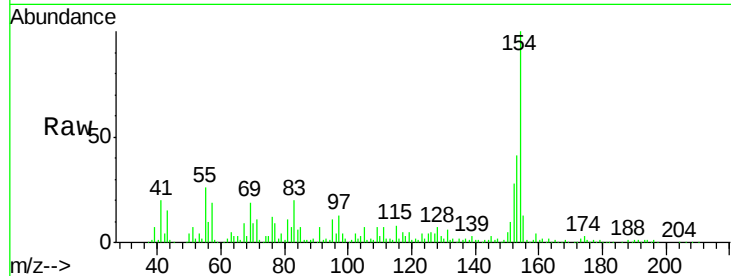




#45
 1,1'-Biphenyl
 Concen: 33.17 ng
 RT: 10.03 min Scan# 800
 Delta R.T. 0.01 min
 Lab File: BF078275.D
 Acq: 7 Apr 2015 1:17

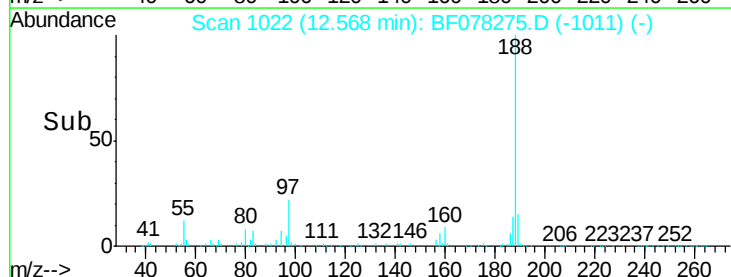
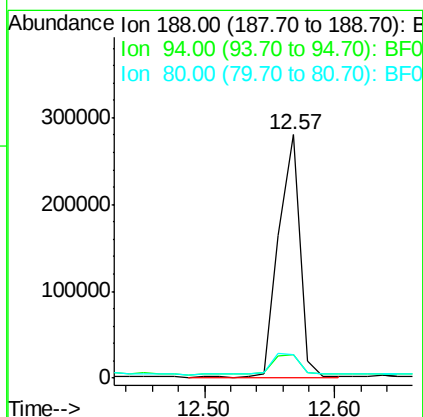
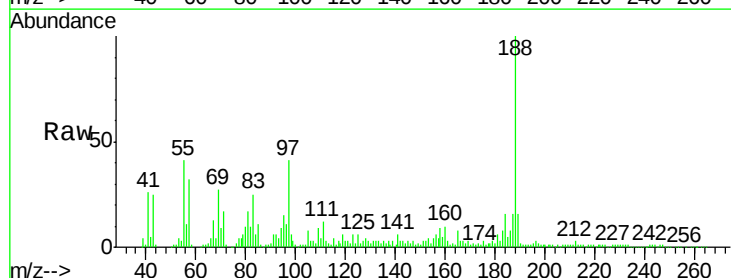
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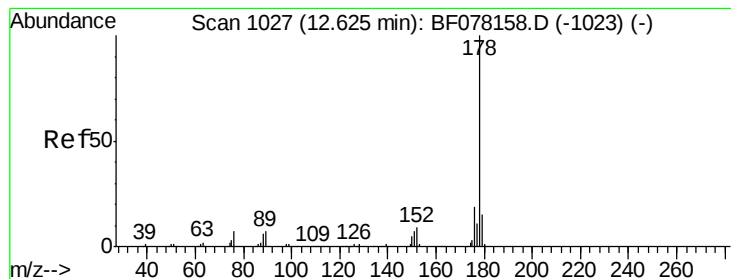
Tot Ion:154 Resp: 315316
 Ion Ratio Lower Upper
 154 100
 153 40.8 20.0 60.0
 76 11.9 0.0 30.6



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.57 min Scan# 1022
 Delta R.T. 0.02 min
 Lab File: BF078275.D
 Acq: 7 Apr 2015 1:17

Tgt Ion:188 Resp: 321059
 Ion Ratio Lower Upper
 188 100
 94 9.4 9.0 13.4
 80 9.7 9.5 14.3





#70

Phenanthrene

Concen: 30.38 ng

RT: 12.59 min Scan# 1024

Delta R.T. 0.01 min

Lab File: BF078275.D

Acq: 7 Apr 2015 1:17

Instrument :

BNA_F

ClientSampleId :

S-A-3(J)

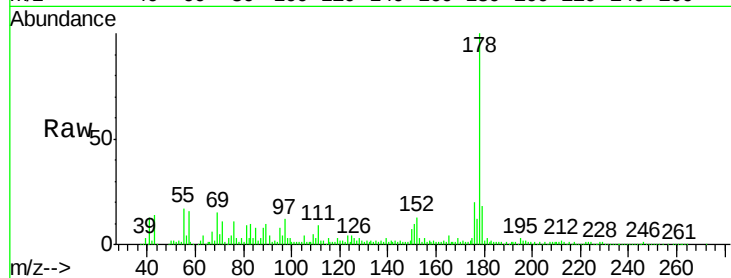
Tot Ion:178 Resp: 564274

Ion Ratio Lower Upper

178 100

176 19.7 15.4 23.0

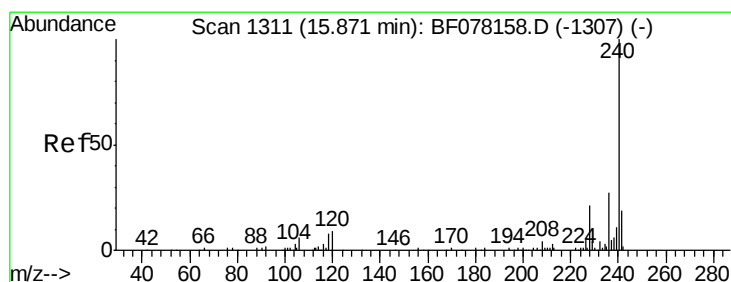
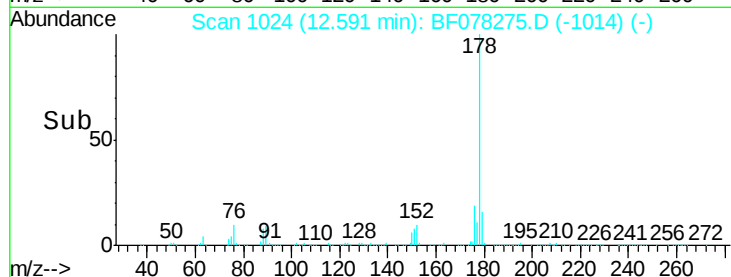
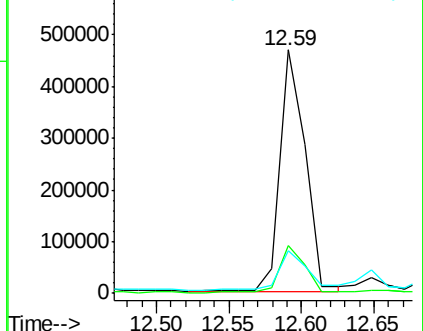
179 17.5 12.2 18.2



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 15.81 min Scan# 1306

Delta R.T. 0.00 min

Lab File: BF078275.D

Acq: 7 Apr 2015 1:17

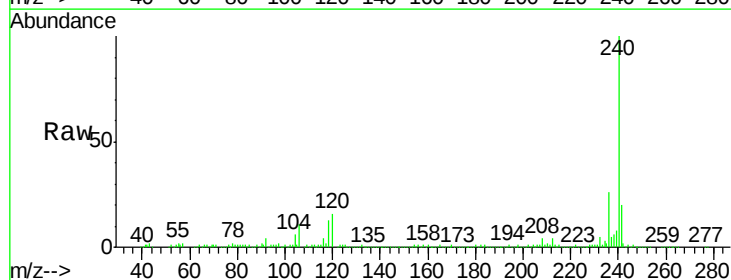
Tgt Ion:240 Resp: 391134

Ion Ratio Lower Upper

240 100

120 15.7 7.1 10.7#

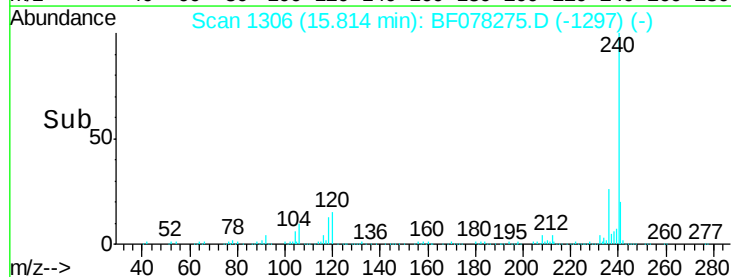
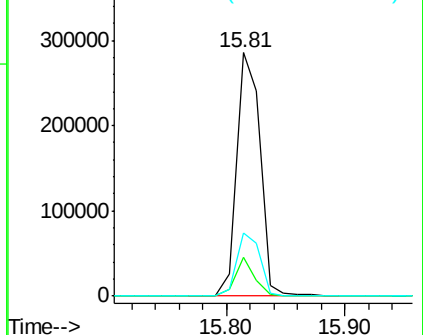
236 26.0 21.4 32.2

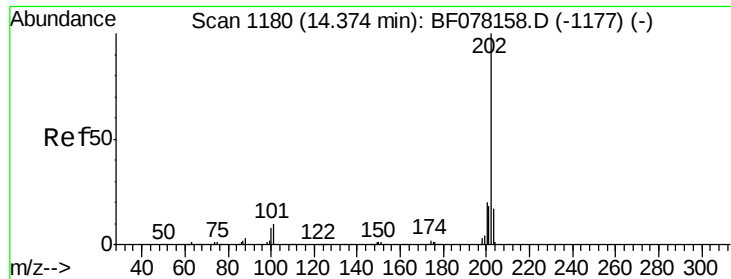


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 5.04 ng

RT: 14.33 min Scan# 1176

Delta R.T. 0.01 min

Lab File: BF078275.D

Acq: 7 Apr 2015 1:17

Instrument :

BNA_F

ClientSampled :

S-A-3(J)

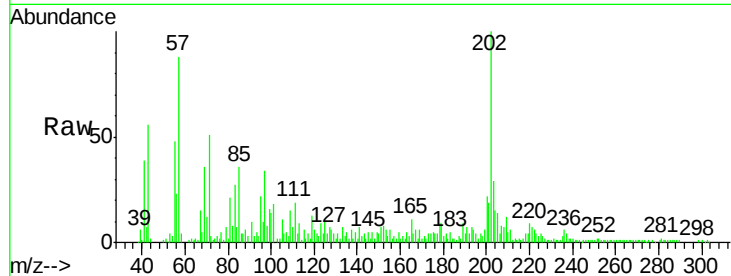
Tot Ion:202 Resp: 123786

Ion Ratio Lower Upper

202 100

200 21.7 16.3 24.5

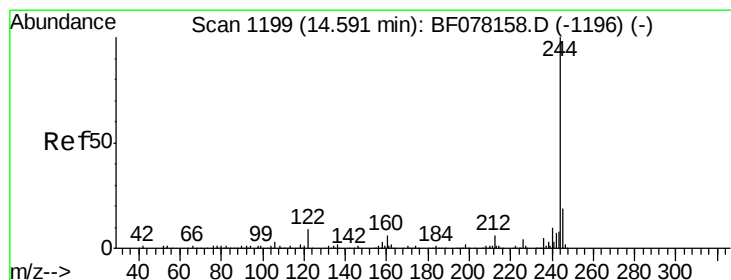
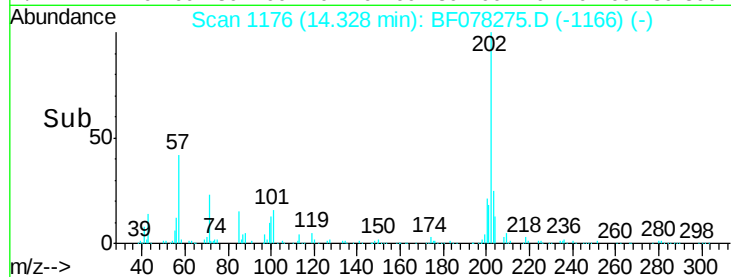
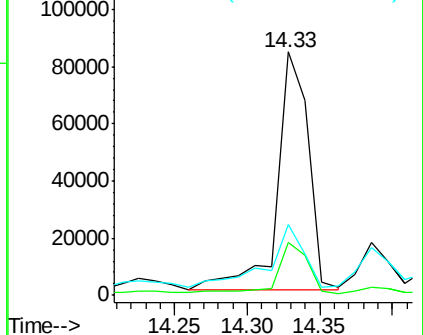
203 29.3 13.8 20.6#



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: 14.27 ng

RT: 14.55 min Scan# 1195

Delta R.T. 0.00 min

Lab File: BF078275.D

Acq: 7 Apr 2015 1:17

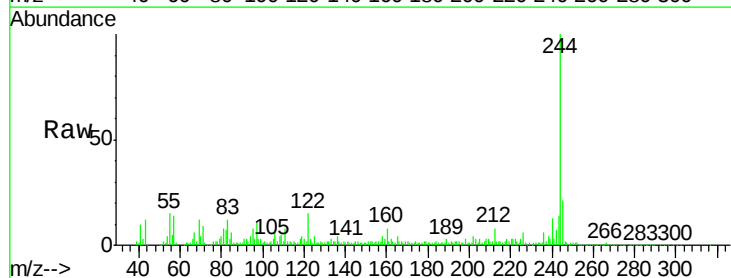
Tgt Ion:244 Resp: 247002

Ion Ratio Lower Upper

244 100

212 7.6 5.0 7.4#

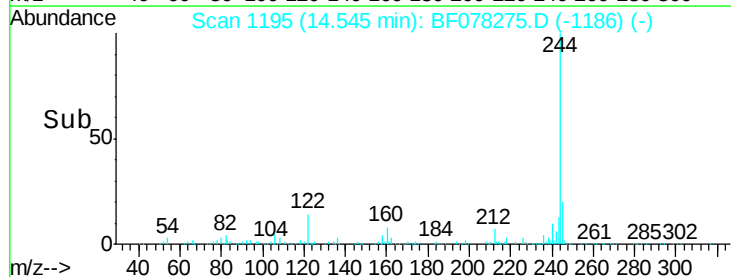
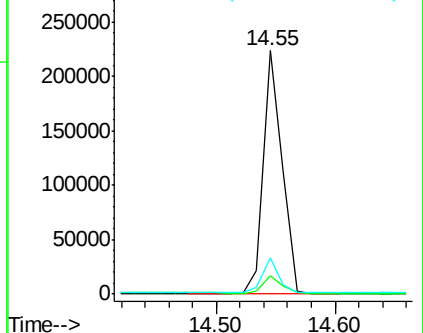
122 14.7 7.1 10.7#

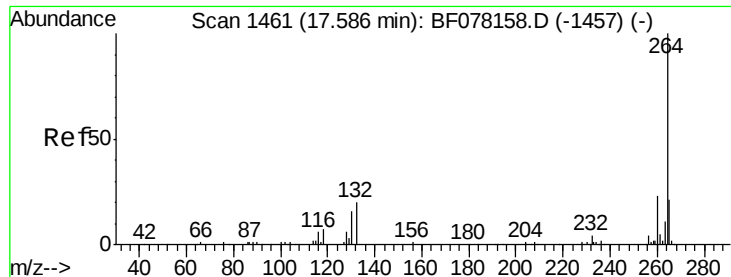


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

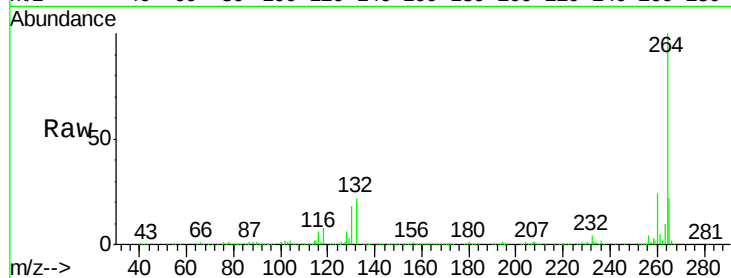




#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 17.49 min Scan# 1453
 Delta R.T. 0.02 min
 Lab File: BF078275.D
 Acq: 7 Apr 2015 1:17

Instrument :
 BNA_F
 ClientSampleId :
 S-A-3(J)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	18.6	27.8
265	21.5	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

