

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF040615\
 Data File : BF078286.D
 Acq On : 7 Apr 2015 6:33
 Operator : TP/IZ
 Sample : G1779-01
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2(1-3)

Quant Time: Apr 07 06:56:03 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

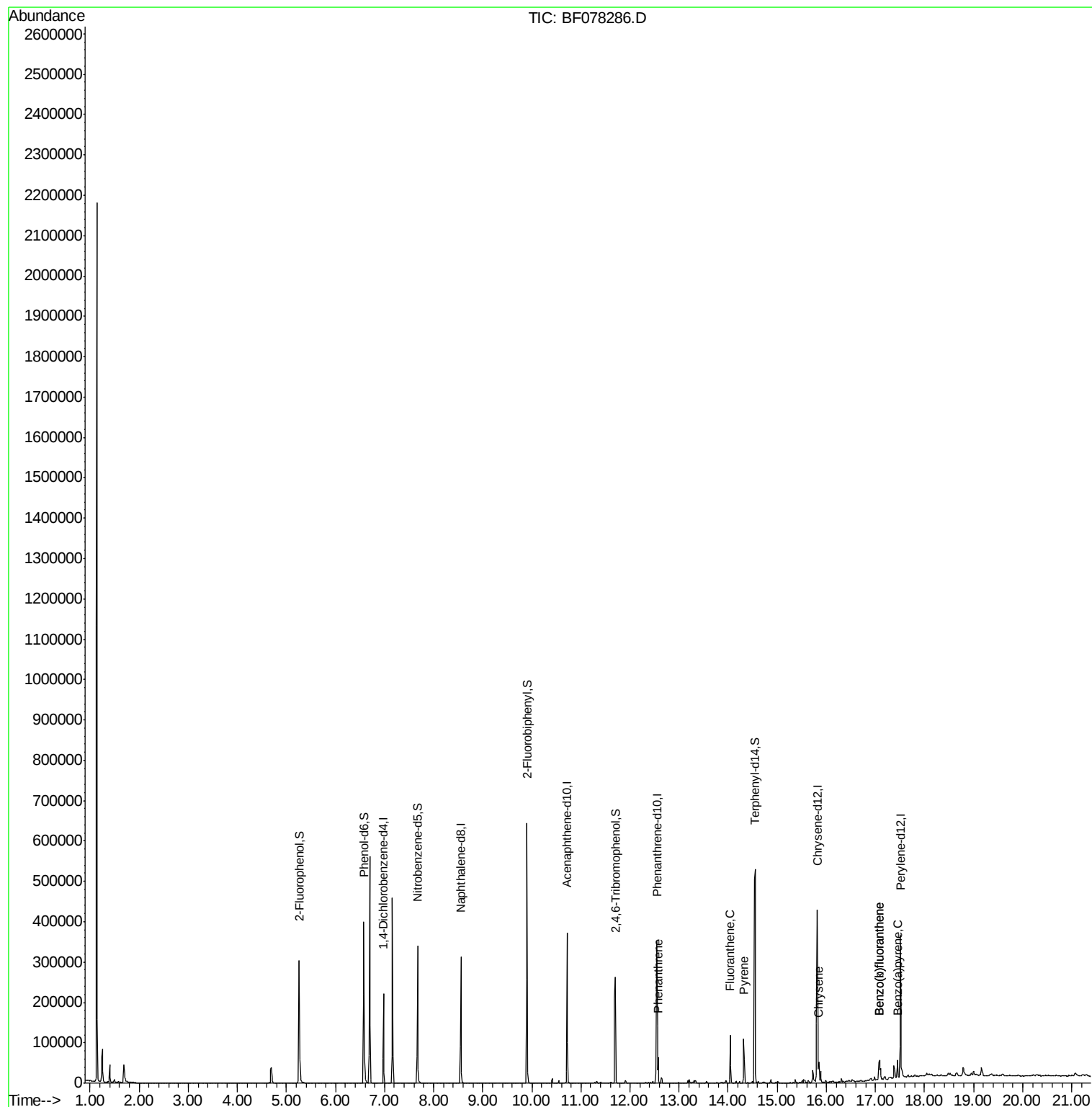
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	37533	20.00	ng	0.00
21) Naphthalene-d8	8.56	136	155085	20.00	ng	0.00
38) Acenaphthene-d10	10.72	164	78830	20.00	ng	0.00
63) Phenanthrene-d10	12.55	188	149726	20.00	ng	0.00
75) Chrysene-d12	15.81	240	165108	20.00	ng	0.00
86) Perylene-d12	17.51	264	163623	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	146477	64.35	ng	0.01
7) Phenol-d6	6.58	99	190201	66.67	ng	0.00
23) Nitrobenzene-d5	7.68	82	110186	43.06	ng	0.00
41) 2,4,6-Tribromophenol	11.70	330	42550	65.08	ng	0.00
44) 2-Fluorobiphenyl	9.90	172	233371	42.32	ng	0.00
78) Terphenyl-d14	14.55	244	271897	37.21	ng	0.00
Target Compounds						Qvalue
70) Phenanthrene	12.58	178	30959	3.57	ng	99
74) Fluoranthene	14.04	202	56726	6.21	ng	96
77) Pyrene	14.32	202	53385	5.15	ng	99
82) Chrysene	15.85	228	23894	2.59	ng	97
87) Benzo(b)fluoranthene	17.08	252	43947	4.35	ng	# 93
88) Benzo(k)fluoranthene	17.08	252	43946	4.89	ng	96
89) Benzo(a)pyrene	17.45	252	21804	2.47	ng	95

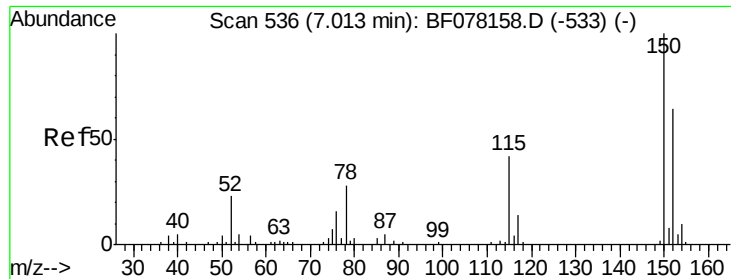
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.98 min Scan# 533

Delta R.T. 0.00 min

Lab File: BF078286.D

Acq: 7 Apr 2015 6:33

Instrument :

BNA_F

ClientSampleId :

SB-2(1-3)

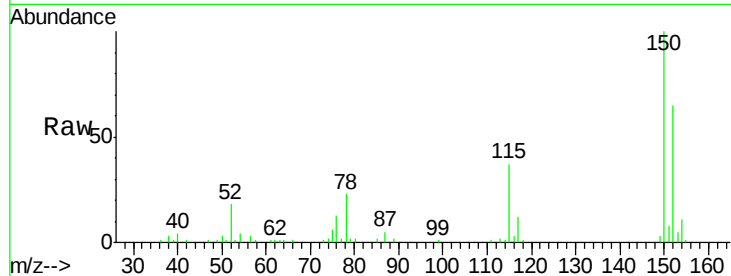
Tgt Ion:152 Resp: 37533

Ion Ratio Lower Upper

152 100

150 154.8 125.9 188.9

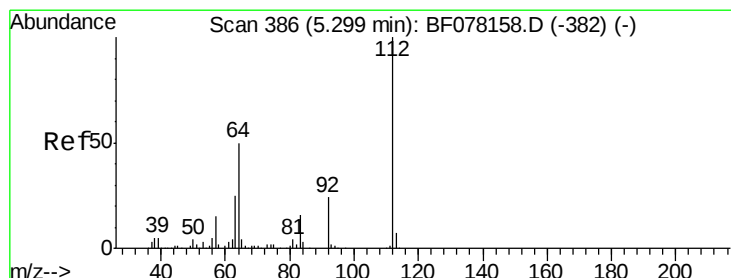
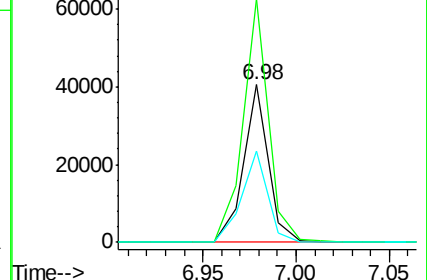
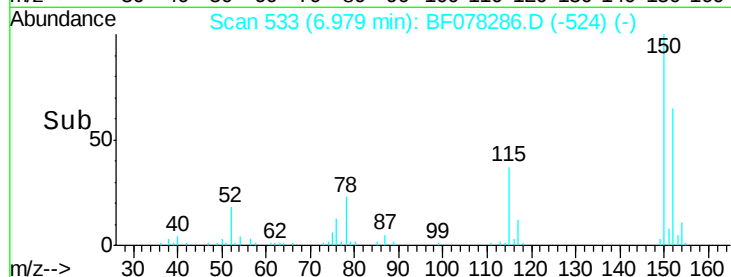
115 58.1 52.7 79.1



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: 64.35 ng

RT: 5.26 min Scan# 383

Delta R.T. 0.01 min

Lab File: BF078286.D

Acq: 7 Apr 2015 6:33

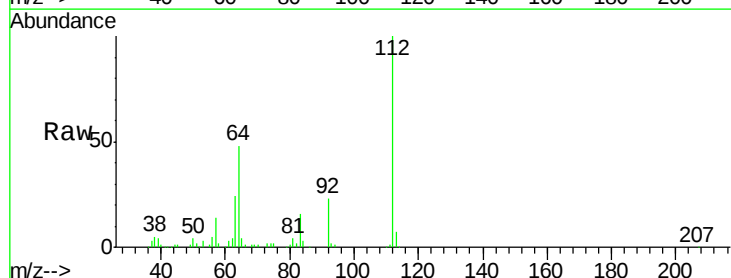
Tgt Ion:112 Resp: 146477

Ion Ratio Lower Upper

112 100

64 48.4 39.9 59.9

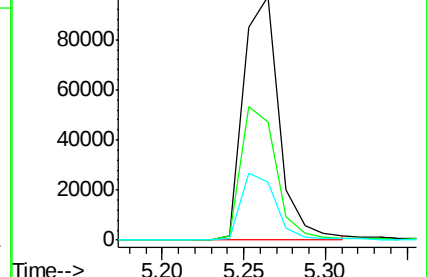
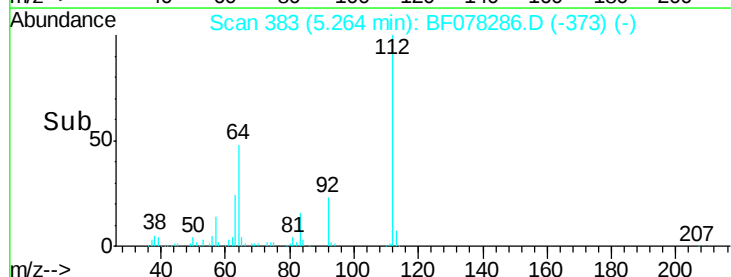
63 23.7 20.2 30.4

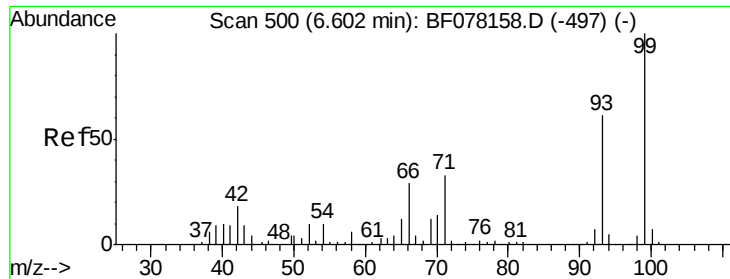


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 66.67 ng

RT: 6.58 min Scan# 498

Delta R.T. 0.00 min

Lab File: BF078286.D

Acq: 7 Apr 2015 6:33

Instrument :

BNA_F

ClientSampleId :

SB-2(1-3)

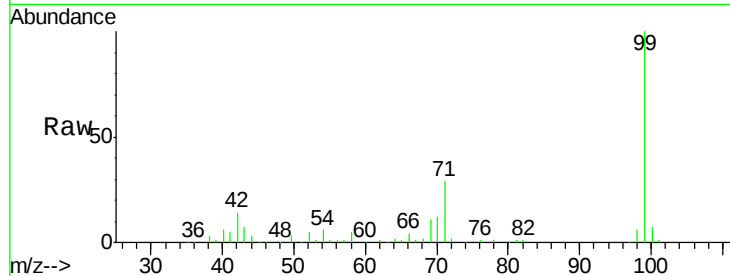
Tgt Ion: 99 Resp: 190201

Ion Ratio Lower Upper

99 100

42 14.2 14.8 22.2#

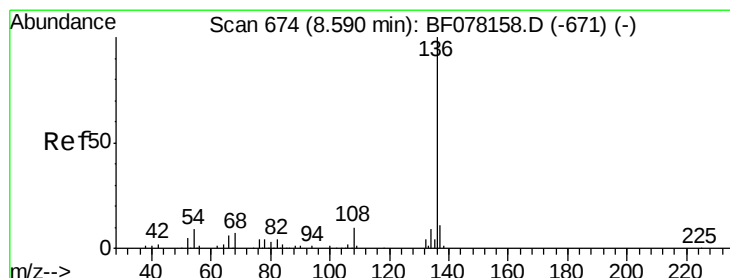
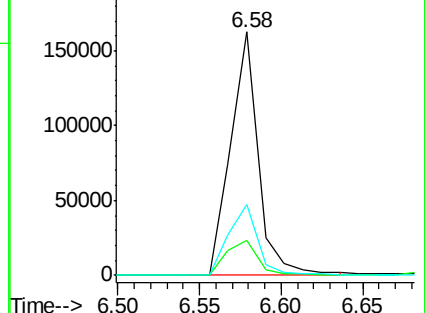
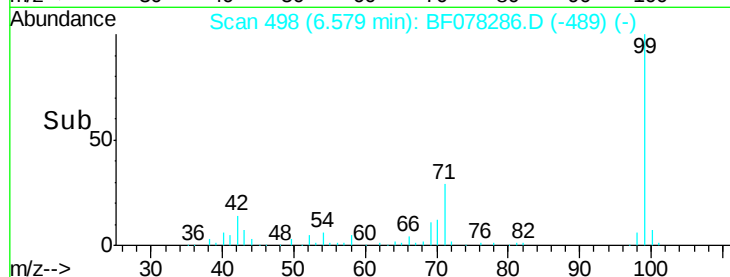
71 29.1 26.6 39.8



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: 8.56 min Scan# 671

Delta R.T. 0.00 min

Lab File: BF078286.D

Acq: 7 Apr 2015 6:33

Tgt Ion: 136 Resp: 155085

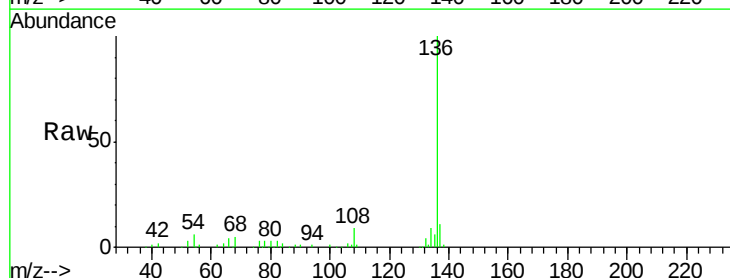
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.4

54 6.4 7.0 10.6#

68 5.0 5.4 8.2#

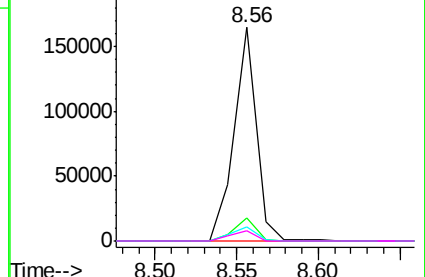
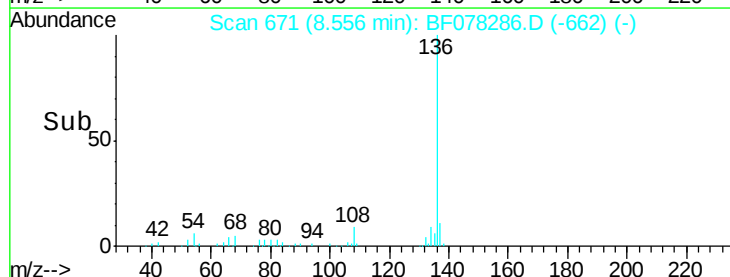


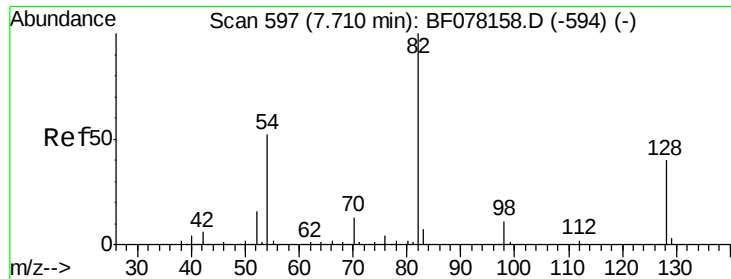
Abundance Ion 136.00 (135.70 to 136.70): E

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

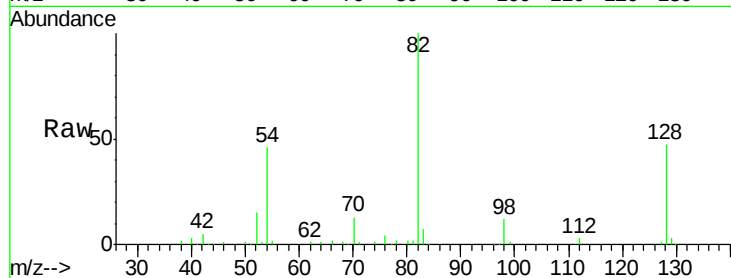




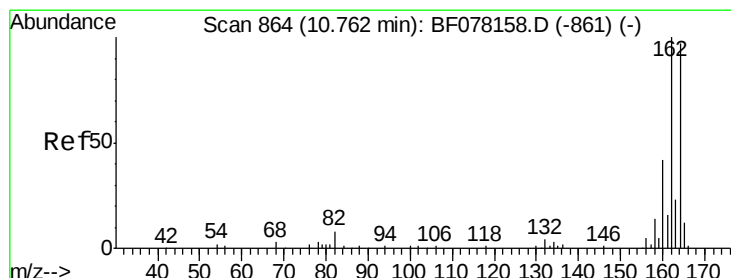
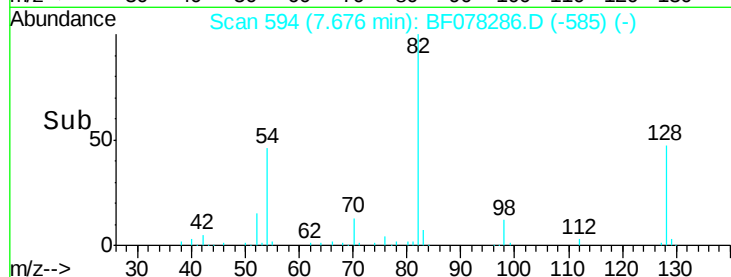
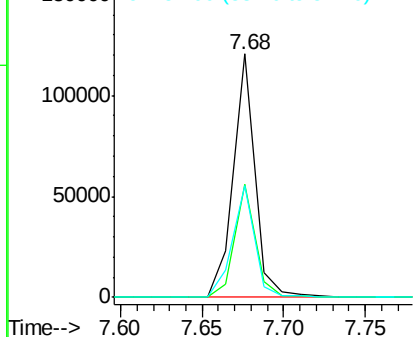
#23
 Nitrobenzene-d5
 Concen: 43.06 ng
 RT: 7.68 min Scan# 594
 Delta R.T. 0.00 min
 Lab File: BF078286.D
 Acq: 7 Apr 2015 6:33

Instrument :
 BNA_F
 ClientSampleId :
 SB-2(1-3)

Tgt Ion: 82 Resp: 110186
 Ion Ratio Lower Upper
 82 100
 128 46.7 31.8 47.8
 54 45.9 41.5 62.3

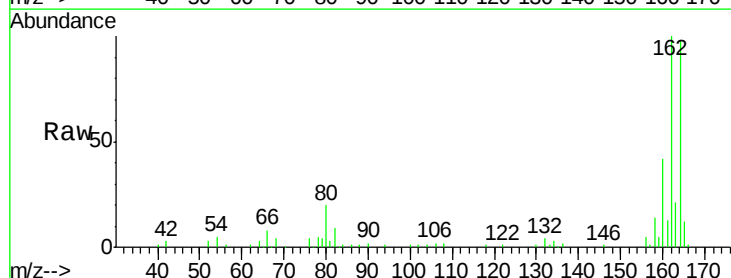


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

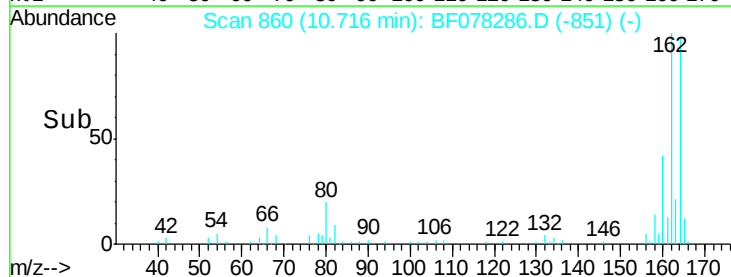
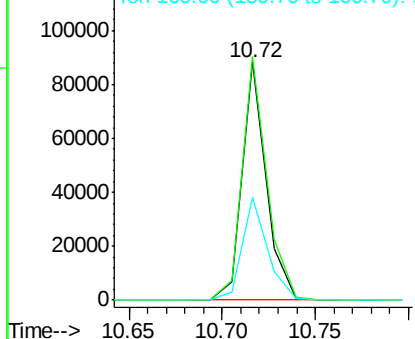


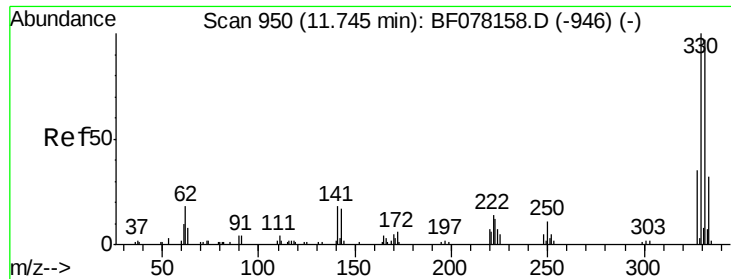
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.72 min Scan# 860
 Delta R.T. 0.00 min
 Lab File: BF078286.D
 Acq: 7 Apr 2015 6:33

Tgt Ion: 164 Resp: 78830
 Ion Ratio Lower Upper
 164 100
 162 102.3 82.2 123.2
 160 43.3 34.7 52.1



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

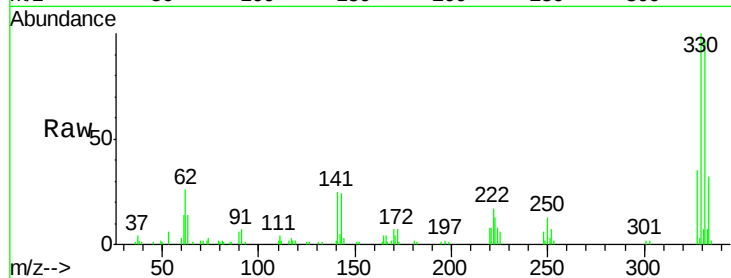




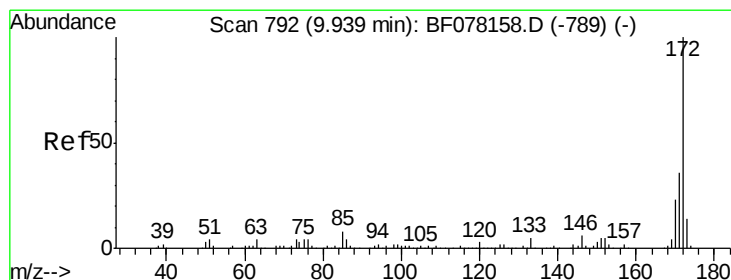
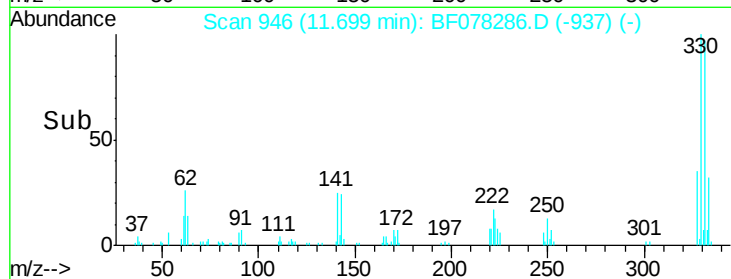
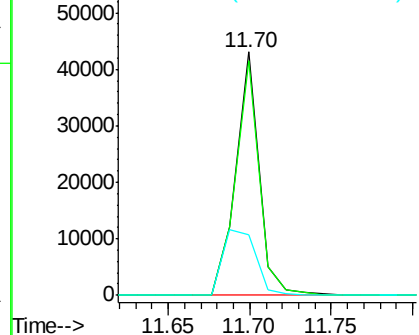
#41
 2,4,6-Tribromophenol
 Concen: 65.08 ng
 RT: 11.70 min Scan# 946
 Delta R.T. 0.00 min
 Lab File: BF078286.D
 Acq: 7 Apr 2015 6:33

Instrument :
 BNA_F
 ClientSampleId :
 SB-2(1-3)

Tgt Ion:330 Resp: 42550
 Ion Ratio Lower Upper
 330 100
 332 97.3 78.6 117.8
 141 37.8 31.2 46.8

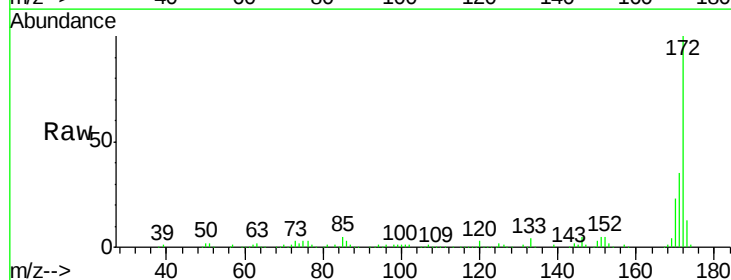


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

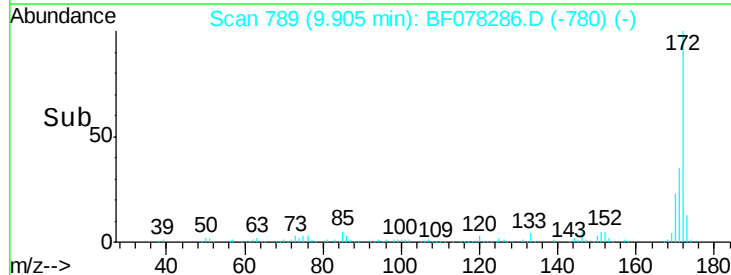
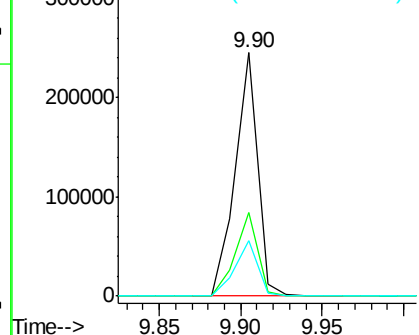


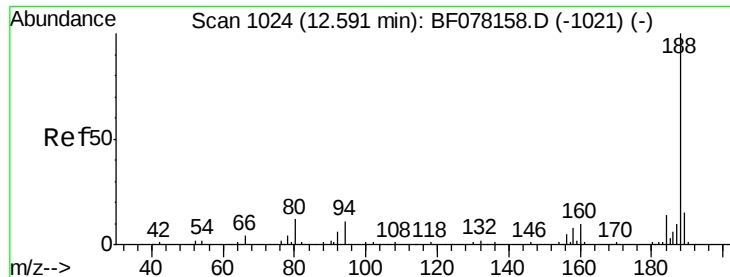
#44
 2-Fluorobiphenyl
 Concen: 42.32 ng
 RT: 9.90 min Scan# 789
 Delta R.T. 0.00 min
 Lab File: BF078286.D
 Acq: 7 Apr 2015 6:33

Tgt Ion:172 Resp: 233371
 Ion Ratio Lower Upper
 172 100
 171 34.6 28.6 42.8
 170 22.9 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

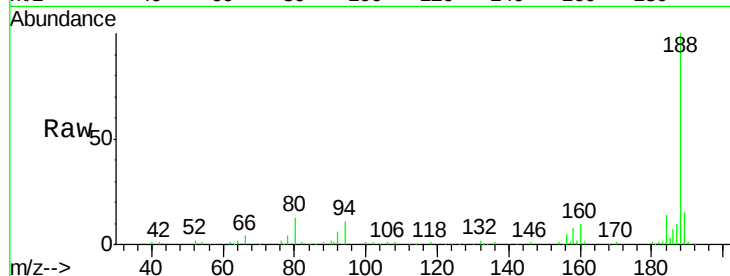




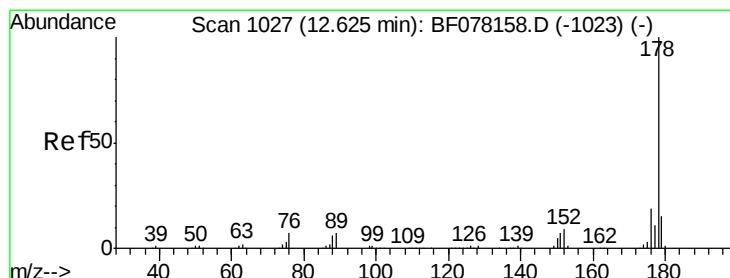
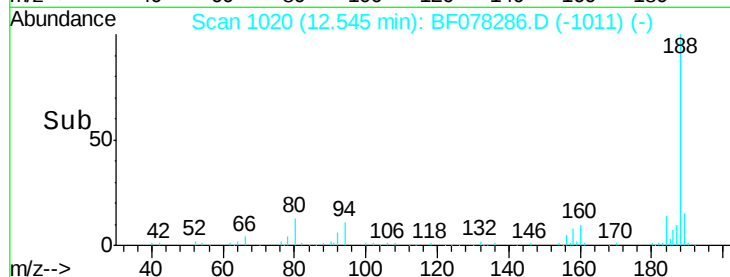
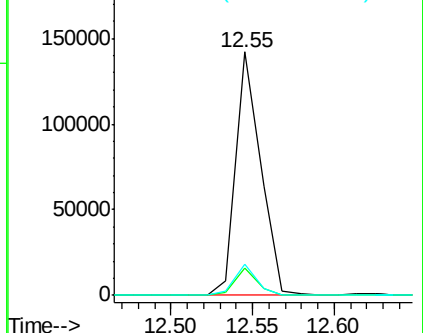
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.55 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: BF078286.D
 Acq: 7 Apr 2015 6:33

Instrument :
 BNA_F
 ClientSampleId :
 SB-2(1-3)

Tgt Ion:188 Resp: 149726
 Ion Ratio Lower Upper
 188 100
 94 11.5 9.0 13.4
 80 12.7 9.5 14.3

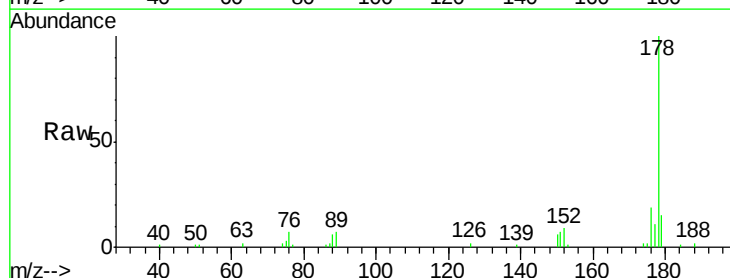


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

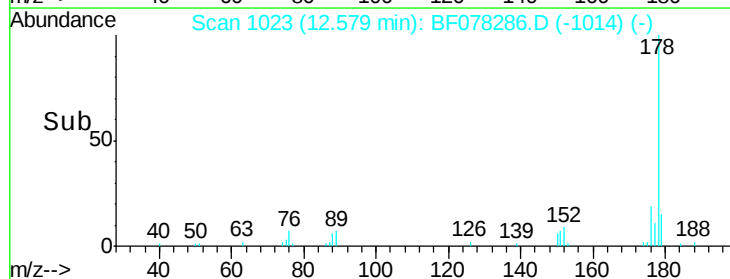
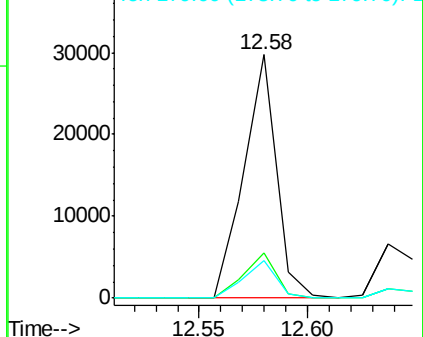


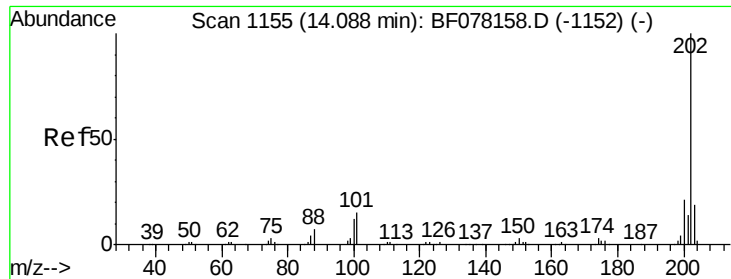
#70
 Phenanthrene
 Concen: 3.57 ng
 RT: 12.58 min Scan# 1023
 Delta R.T. 0.00 min
 Lab File: BF078286.D
 Acq: 7 Apr 2015 6:33

Tgt Ion:178 Resp: 30959
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.4 23.0
 179 15.2 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

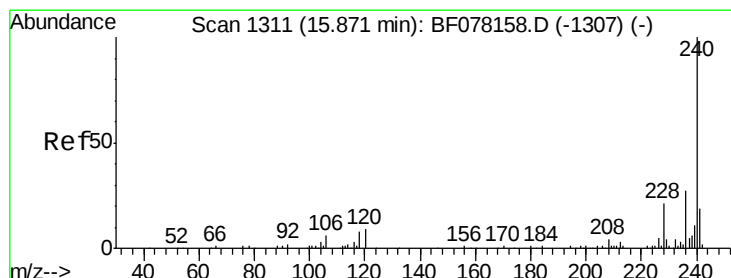
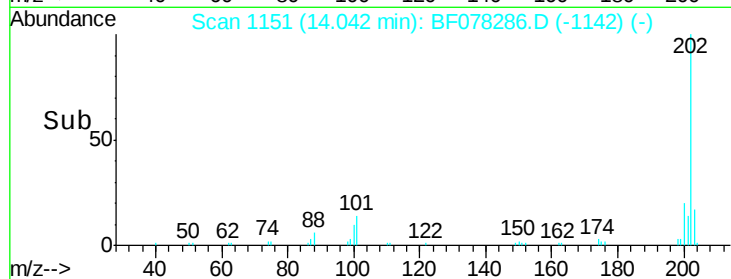
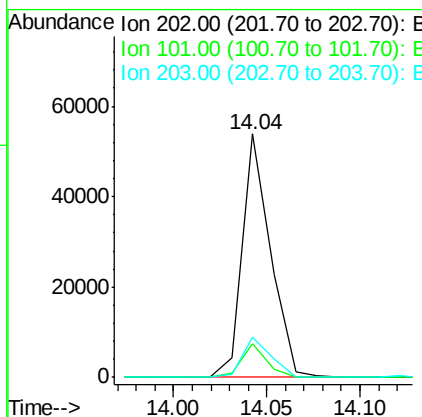
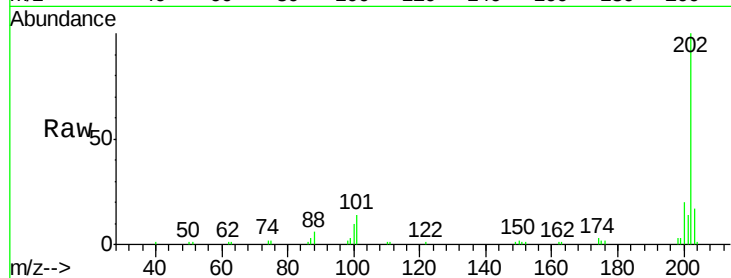




#74
 Fluoranthene
 Concen: 6.21 ng
 RT: 14.04 min Scan# 1151
 Delta R.T. 0.00 min
 Lab File: BF078286.D
 Acq: 7 Apr 2015 6:33

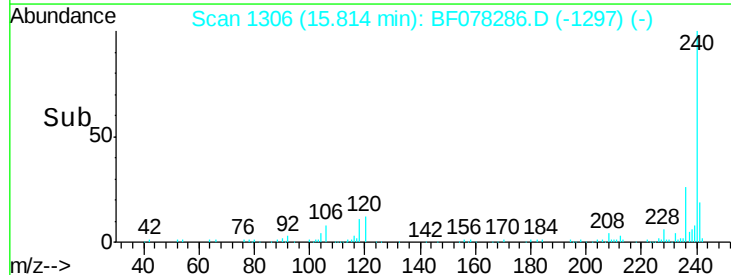
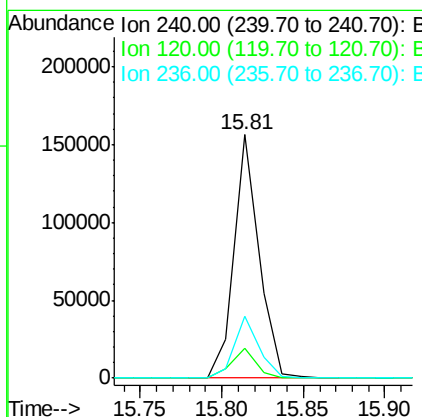
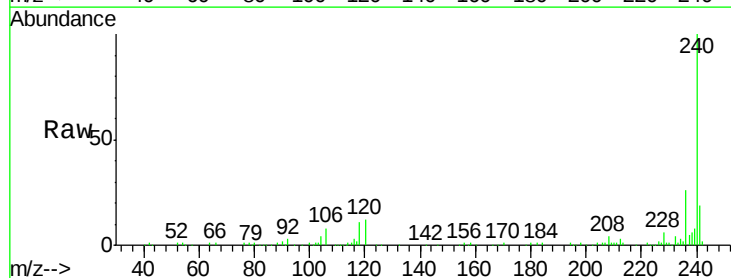
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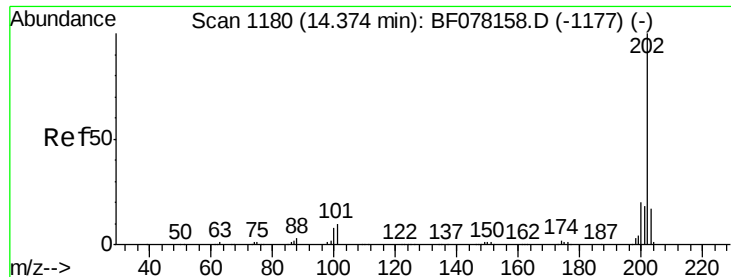
Tgt Ion: 202 Resp: 56726
 Ion Ratio Lower Upper
 202 100
 101 13.7 0.0 35.2
 203 16.6 0.0 38.5



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 15.81 min Scan# 1306
 Delta R.T. 0.00 min
 Lab File: BF078286.D
 Acq: 7 Apr 2015 6:33

Tgt Ion: 240 Resp: 165108
 Ion Ratio Lower Upper
 240 100
 120 12.3 7.1 10.7#
 236 25.6 21.4 32.2

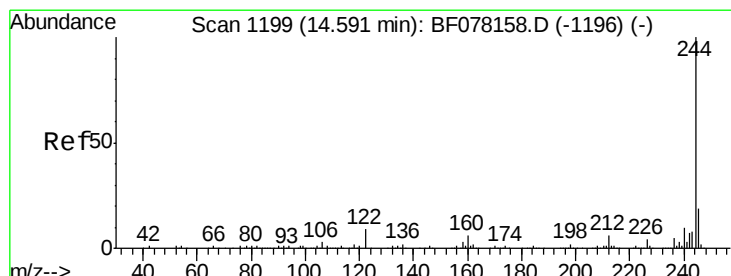
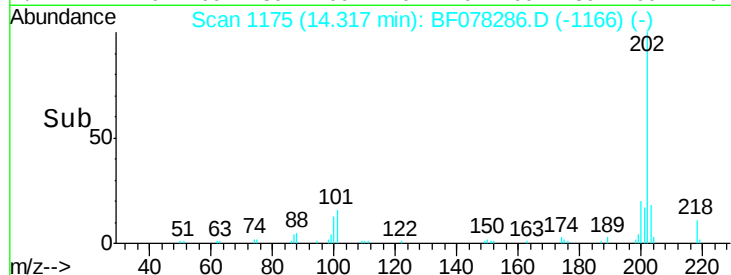
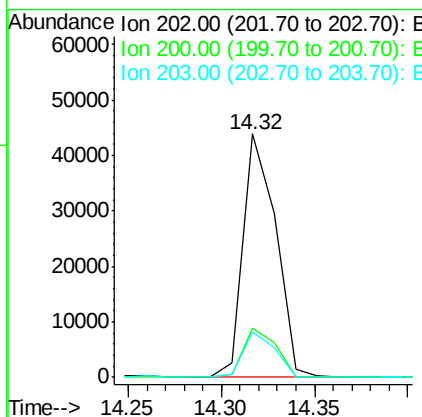
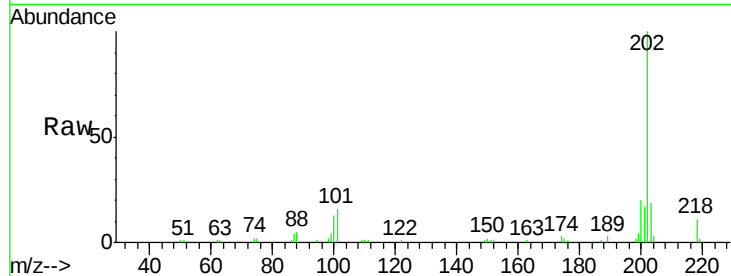




#77
 Pyrene
 Concen: 5.15 ng
 RT: 14.32 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: BF078286.D
 Acq: 7 Apr 2015 6:33

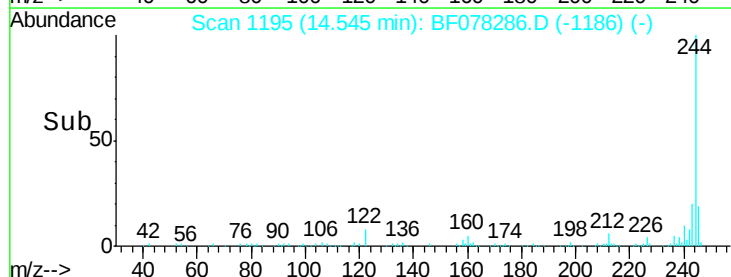
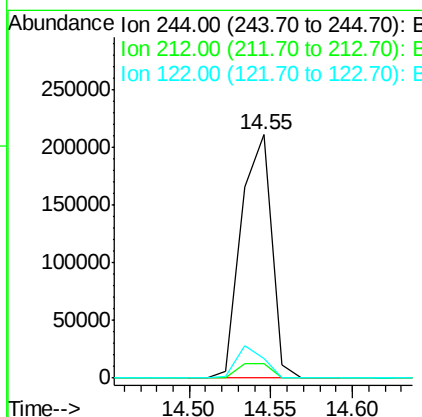
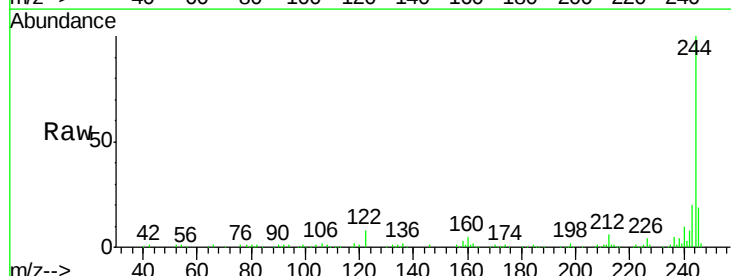
Instrument :
 BNA_F
 ClientSampleId :
 SB-2(1-3)

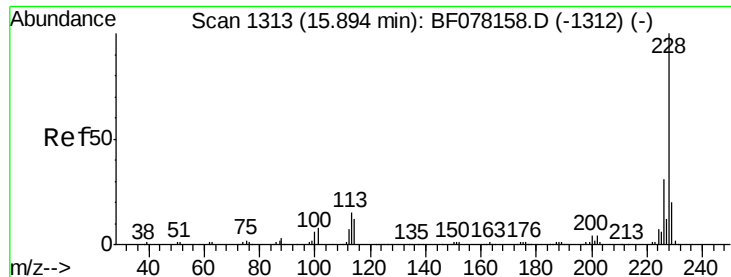
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.3	24.5
203	18.6	13.8	20.6



#78
 Terphenyl-d14
 Concen: 37.21 ng
 RT: 14.55 min Scan# 1195
 Delta R.T. 0.00 min
 Lab File: BF078286.D
 Acq: 7 Apr 2015 6:33

Tgt Ion	Ratio	Lower	Upper
244	100		
212	5.9	5.0	7.4
122	8.1	7.1	10.7





#82

Chrysene

Concen: 2.59 ng

RT: 15.85 min Scan# 1309

Delta R.T. 0.00 min

Lab File: BF078286.D

Acq: 7 Apr 2015 6:33

Instrument :

BNA_F

ClientSampleId :

SB-2(1-3)

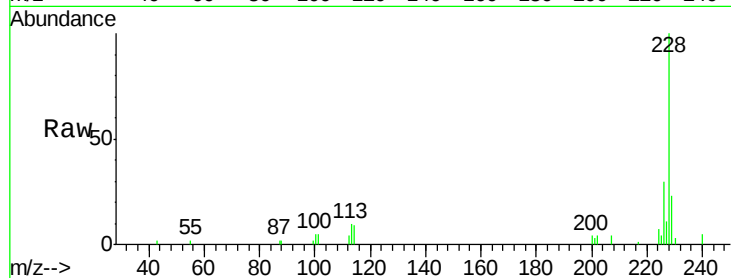
Tgt Ion:228 Resp: 23894

Ion Ratio Lower Upper

228 100

226 30.2 24.2 36.4

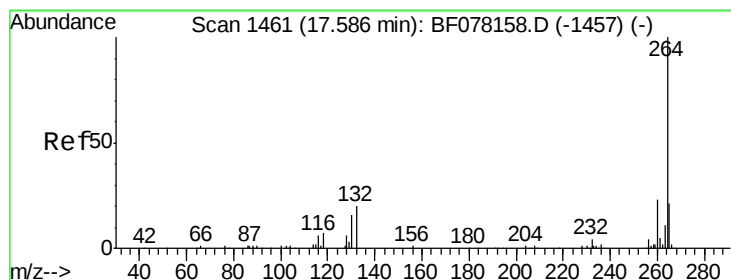
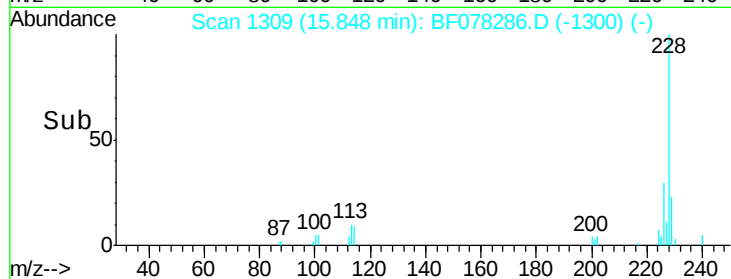
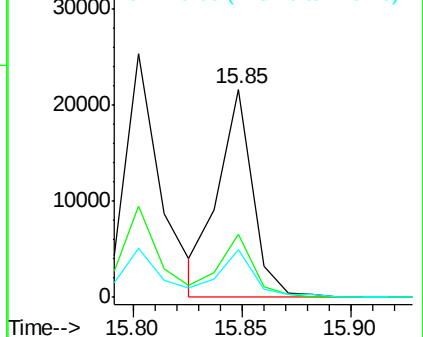
229 23.1 15.8 23.8



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 17.51 min Scan# 1454

Delta R.T. 0.03 min

Lab File: BF078286.D

Acq: 7 Apr 2015 6:33

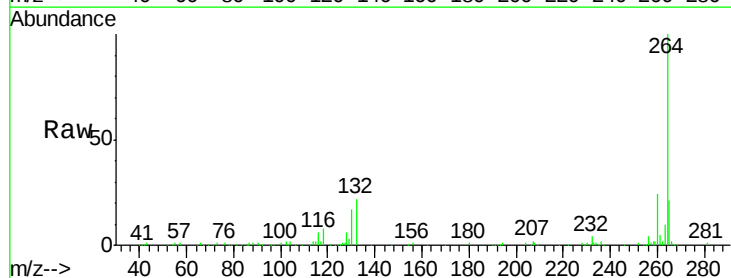
Tgt Ion:264 Resp: 163623

Ion Ratio Lower Upper

264 100

260 23.6 18.6 27.8

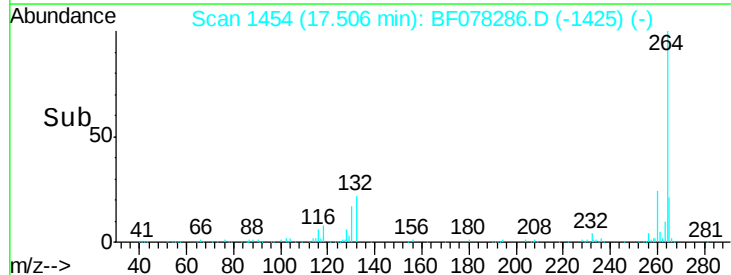
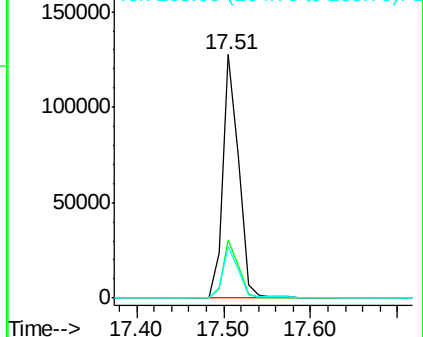
265 21.4 17.0 25.6

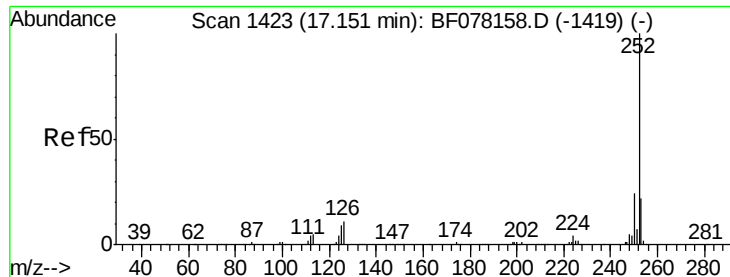


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

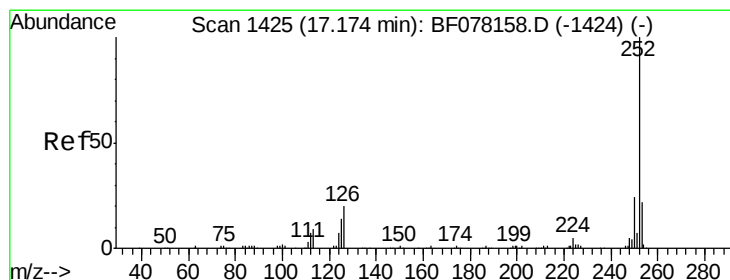
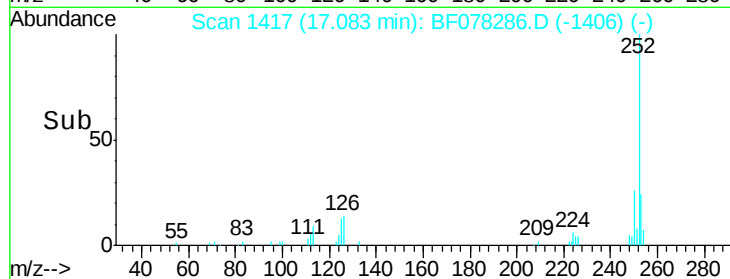
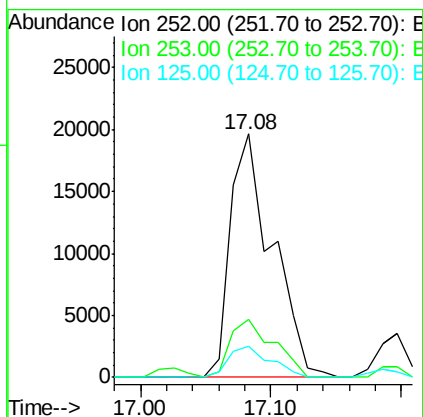
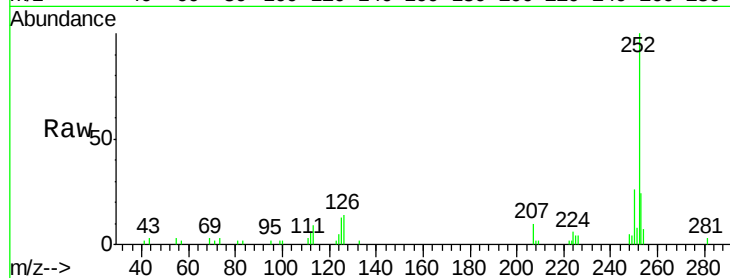




#87
Benzo(b)fluoranthene
Concen: 4.35 ng
RT: 17.08 min Scan# 1417
Delta R.T. 0.02 min
Lab File: BF078286.D
Acq: 7 Apr 2015 6:33

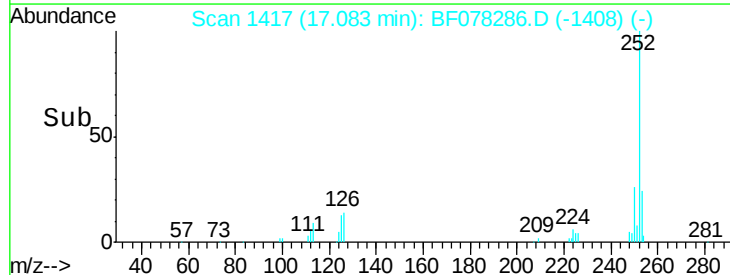
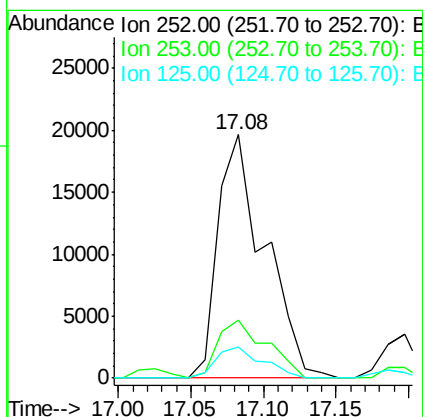
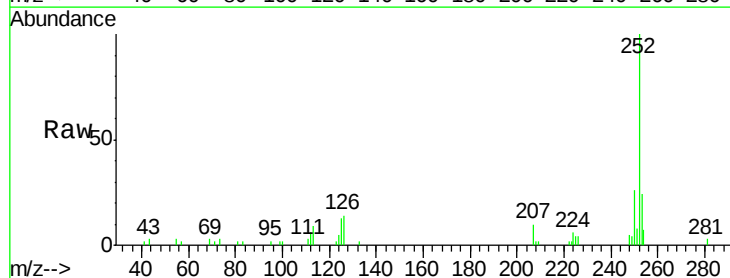
Instrument :
BNA_F
ClientSampleId :
SB-2(1-3)

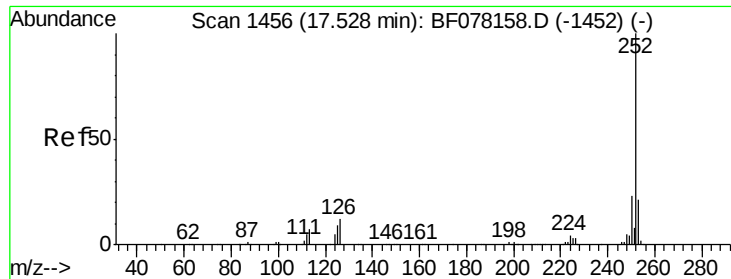
Tgt Ion:252 Resp: 43947
Ion Ratio Lower Upper
252 100
253 23.9 17.2 25.8
125 12.6 7.0 10.4#



#88
Benzo(k)fluoranthene
Concen: 4.89 ng
RT: 17.08 min Scan# 1417
Delta R.T. 0.00 min
Lab File: BF078286.D
Acq: 7 Apr 2015 6:33

Tgt Ion:252 Resp: 43946
Ion Ratio Lower Upper
252 100
253 23.9 17.5 26.3
125 12.6 11.6 17.4





#89

Benzo(a)pyrene

Concen: 2.47 ng

RT: 17.45 min Scan# 1449

Delta R.T. 0.03 min

Lab File: BF078286.D

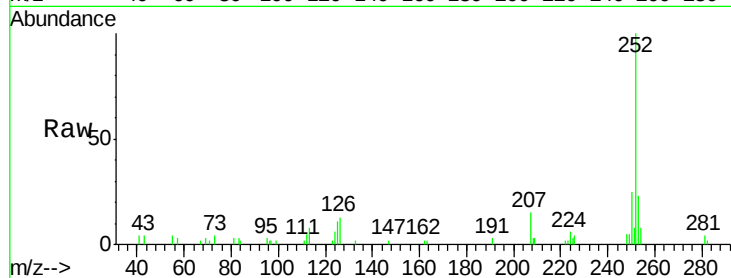
Acq: 7 Apr 2015 6:33

Instrument :

BNA_F

ClientSampleId :

SB-2(1-3)



Tgt Ion:252 Resp: 21804

Ion Ratio Lower Upper

252 100

253 23.4 16.8 25.2

125 10.6 7.4 11.0

