

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051815\
 Data File : BF079326.D
 Acq On : 19 May 2015 2:02
 Operator : TP/IZ
 Sample : G2271-15
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-13-D1

Quant Time: May 19 03:45:59 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 15 01:57:52 2015
 Response via : Initial Calibration

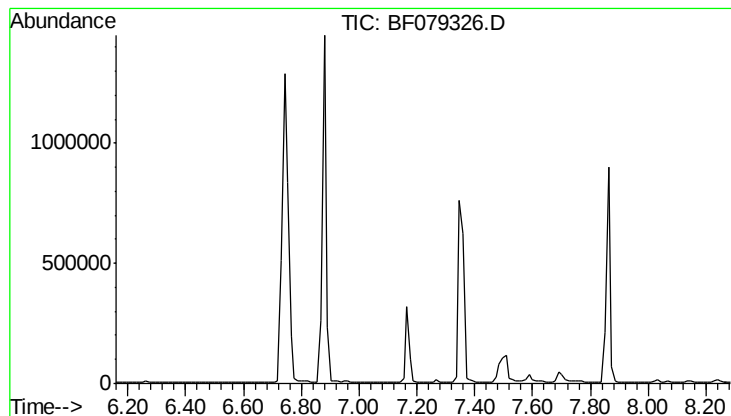
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ng	-7.22
21) Naphthalene-d8	8.74	136	200804	20.00	ng	-0.06
38) Acenaphthene-d10	10.91	164	103754	20.00	ng	-0.06
63) Phenanthrene-d10	12.75	188	199153	20.00	ng	-0.07
75) Chrysene-d12	16.05	240	206333	20.00	ng	-0.46
86) Perylene-d12	18.41	264	2155	20.00	ng	-0.47

System Monitoring Compounds						
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	0.00	99	0	0.00	ng	
23) Nitrobenzene-d5	7.86	82	272624	78.03	ng	-0.06
41) 2,4,6-Tribromophenol	11.90	330	141929	126.45	ng	-0.06
44) 2-Fluorobiphenyl	10.09	172	543998	73.05	ng	-0.06
78) Terphenyl-d14	0.00	244	0	0.00	ng	

Target Compounds				Qvalue		
27) 2,4-Dimethylphenol	8.35	122	16531	5.76	ng	97
31) Naphthalene	8.76	128	193474	20.22	ng	99
32) Benzoic acid	8.49	122	2443	7.49	ng	# 31
36) 4-Chloro-3-methylphenol	9.48	107	103314	38.56	ng	# 16
45) 1,1'-Biphenyl	10.22	154	133915	16.24	ng	98
47) 2-Nitroaniline	10.34	65	23283	12.49	ng	# 20
49) Dimethylphthalate	10.59	163	35672	4.68	ng	100
70) Phenanthrene	12.79	178	41783	3.75	ng	98
74) Fluoranthene	14.26	202	89748	7.73	ng	96
77) Pyrene	14.26	202	89748	7.55	ng	98
80) Benzo(a)anthracene	16.07	228	50648	4.48	ng	95
82) Chrysene	16.07	228	50133	4.61	ng	98
83) Bis(2-ethylhexyl)phthalate	16.09	149	229336	29.13	ng	# 100
87) Benzo(b)fluoranthene	17.76	252	16062	136.17	ng	# 69
88) Benzo(k)fluoranthene	17.76	252	16062	140.66	ng	# 66
90) Dibenzo(a,h)anthracene	20.18	278	505	4.37	ng	# 1
91) Benzo(g,h,i)perylene	20.54	276	394	3.41	ng	# 1

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

```
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Sample    : G2271-15  
Misc      :  
ALS Vial  : 14    Sample Multiplier: 1
```



#1

1,4-Dichlorobenzene-d4

Concen: 0.00 ng

Expected RT: 7.22 min

Lab File: BF079326.D

Acq: 19 May 2015 2:02

Instrument :

BNA_F

ClientSampleId :

WC-13-D1

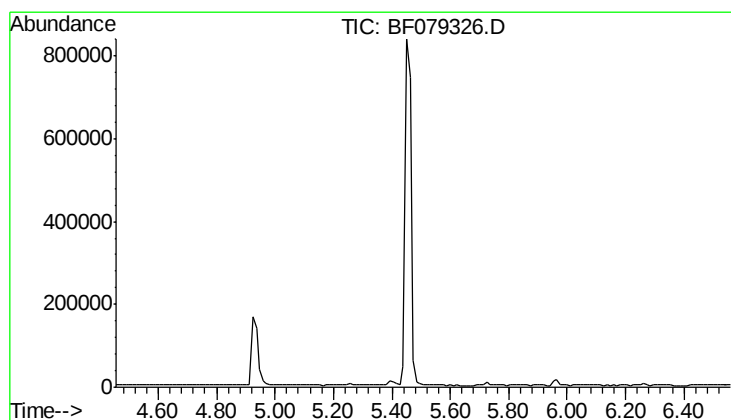
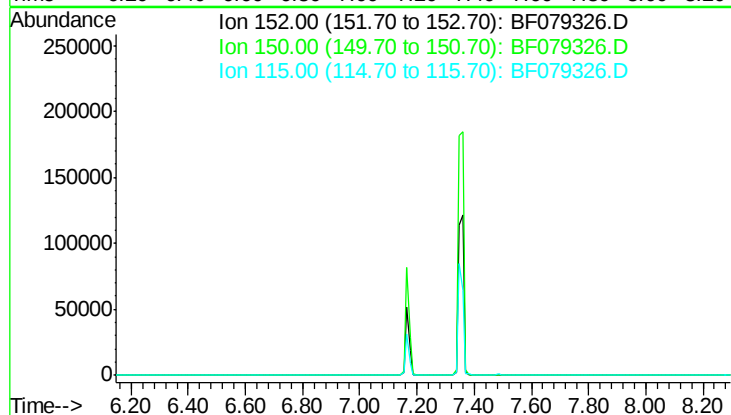
Tgt Ion: 152

Sig Exp Ratio

152 100

150 154.8

115 61.7



#5

2-Fluorophenol

Concen: 0.00 ng

Expected RT: 5.51 min

Lab File: BF079326.D

Acq: 19 May 2015 2:02

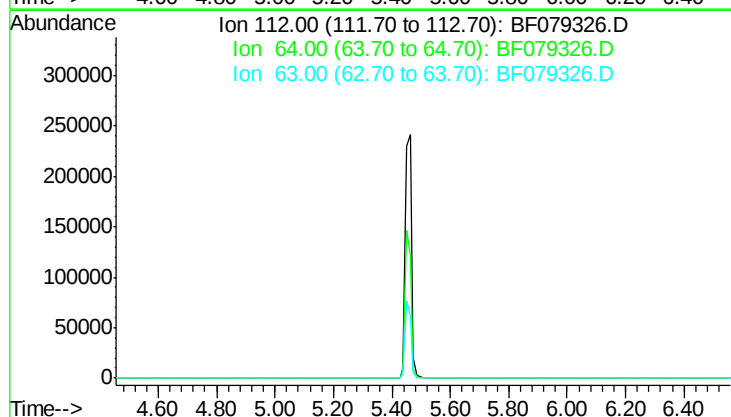
Tgt Ion: 112

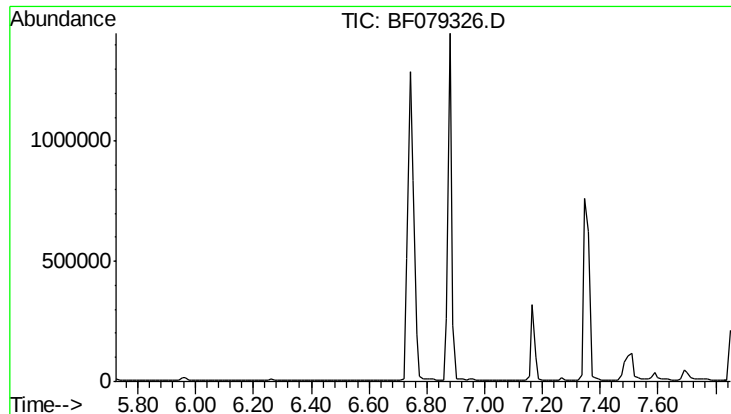
Sig Exp Ratio

112 100

64 55.2

63 28.4





#7

Phenol-d6

Concen: 0.00 ng

Expected RT: 6.79 min

Lab File: BF079326.D

Acq: 19 May 2015 2:02

Instrument :

BNA_F

ClientSampleId :

WC-13-D1

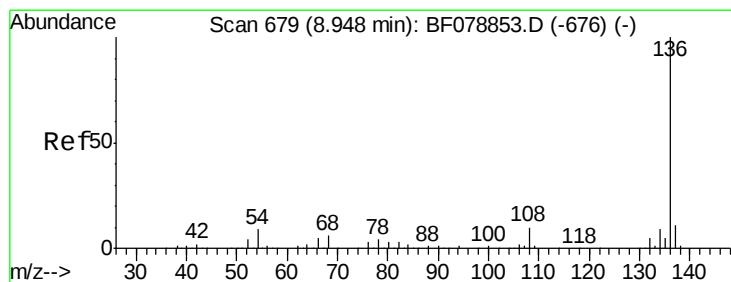
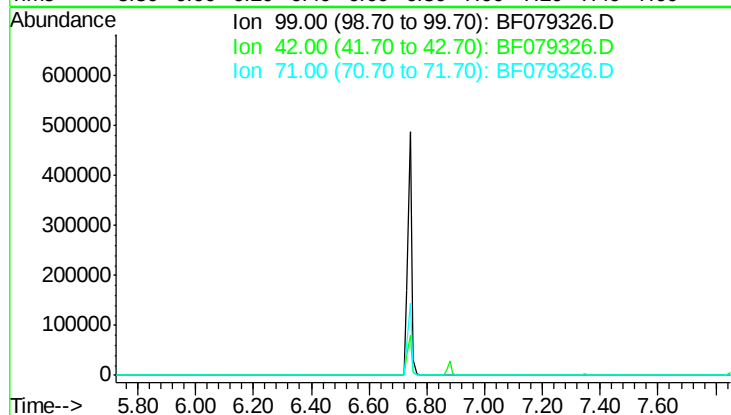
Tgt Ion: 99

Sig Exp Ratio

99 100

42 21.4

71 32.9



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.74 min Scan# 661

Delta R.T. -0.06 min

Lab File: BF079326.D

Acq: 19 May 2015 2:02

Tgt Ion: 136 Resp: 200804

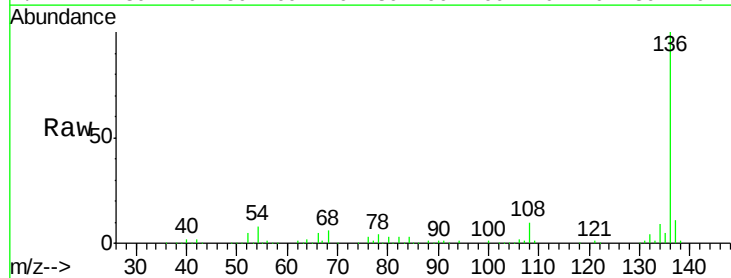
Ion Ratio Lower Upper

136 100

137 10.8 8.8 13.2

54 8.3 6.9 10.3

68 6.3 4.9 7.3

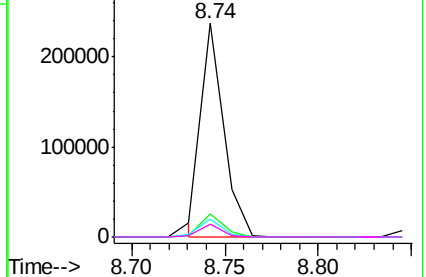
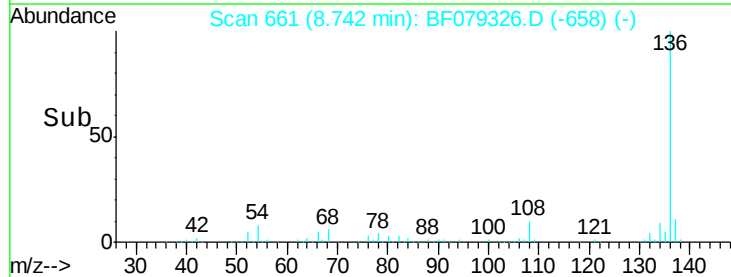


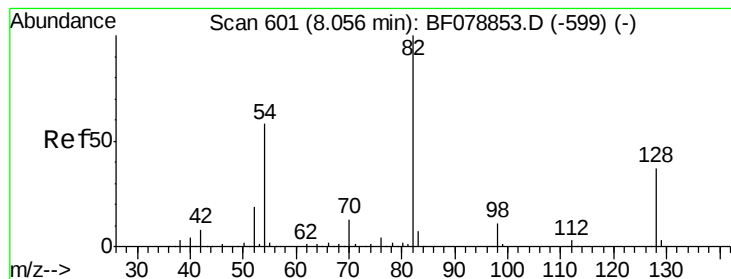
Abundance Ion 136.00 (135.70 to 136.70): E

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: 78.03 ng

RT: 7.86 min Scan# 584

Delta R.T. -0.06 min

Lab File: BF079326.D

Acq: 19 May 2015 2:02

Instrument :

BNA_F

ClientSampleId :

WC-13-D1

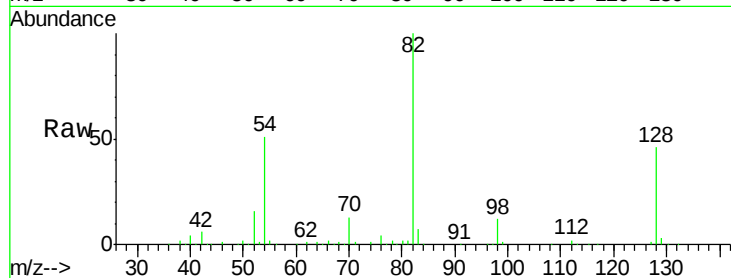
Tgt Ion: 82 Resp: 272624

Ion Ratio Lower Upper

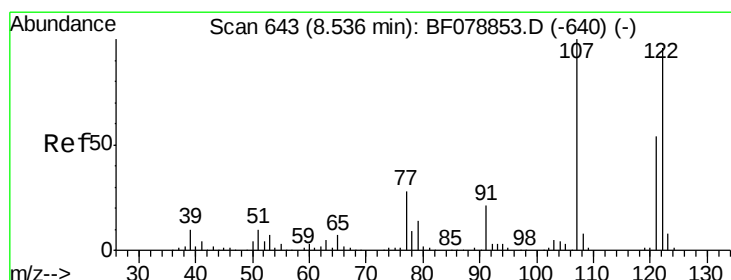
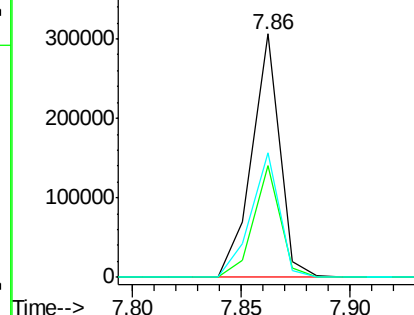
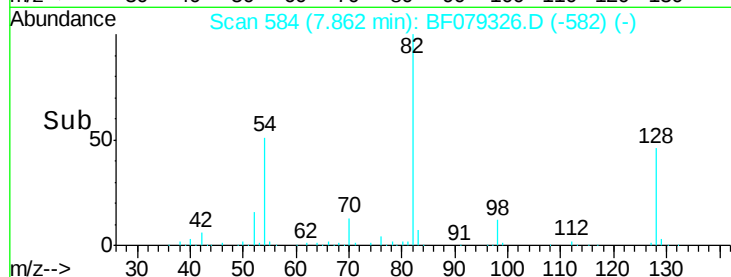
82 100

128 45.7 29.7 44.5#

54 51.3 46.2 69.4



Abundance Ion 82.00 (81.70 to 82.70): BF079326.D (-582) (-)



#27

2,4-Dimethylphenol

Concen: 5.76 ng

RT: 8.35 min Scan# 627

Delta R.T. -0.05 min

Lab File: BF079326.D

Acq: 19 May 2015 2:02

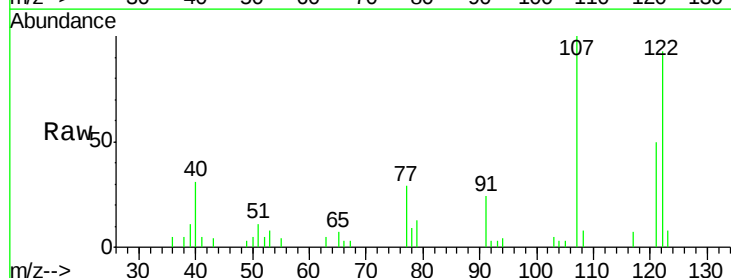
Tgt Ion: 122 Resp: 16531

Ion Ratio Lower Upper

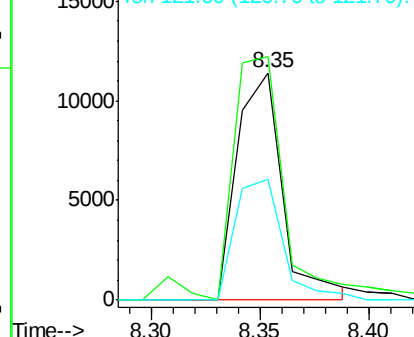
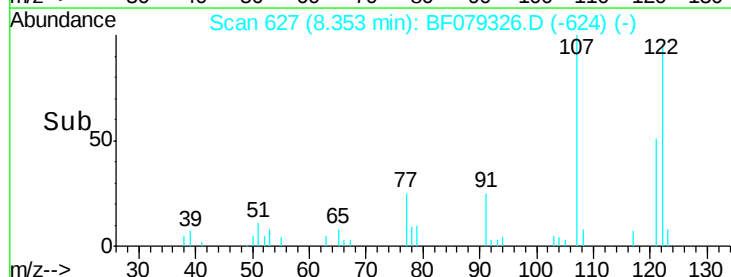
122 100

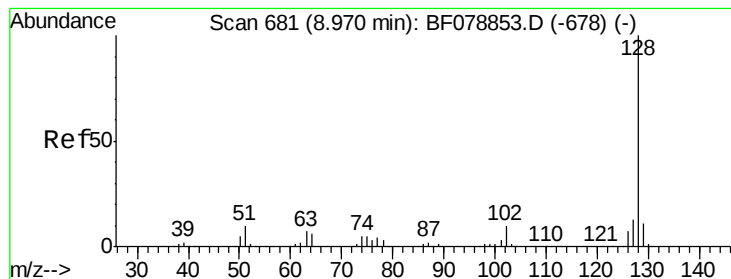
107 107.0 83.6 125.4

121 53.0 44.9 67.3



Abundance Ion 122.00 (121.70 to 122.70): BF079326.D (-624) (-)





#31

Naphthalene

Concen: 20.22 ng

RT: 8.76 min Scan# 663

Delta R.T. -0.06 min

Lab File: BF079326.D

Acq: 19 May 2015 2:02

Instrument :

BNA_F

ClientSampleId :

WC-13-D1

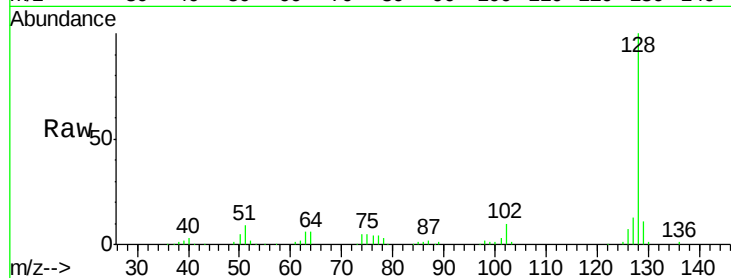
Tgt Ion:128 Resp: 193474

Ion Ratio Lower Upper

128 100

129 11.1 9.2 13.8

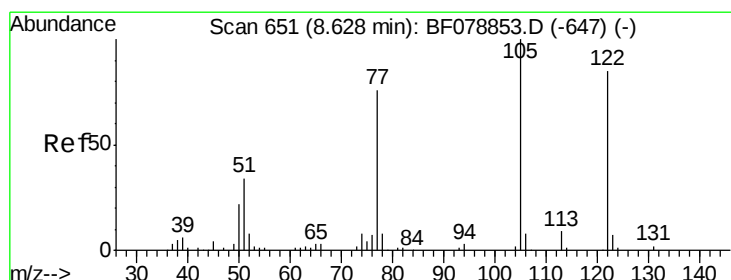
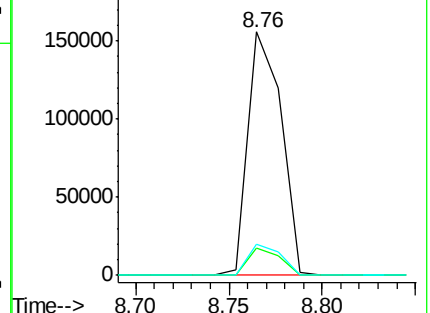
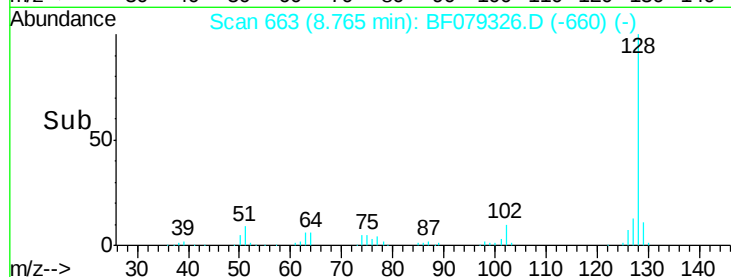
127 12.7 10.3 15.5



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



#32

Benzoic acid

Concen: 7.49 ng

RT: 8.49 min Scan# 639

Delta R.T. -0.02 min

Lab File: BF079326.D

Acq: 19 May 2015 2:02

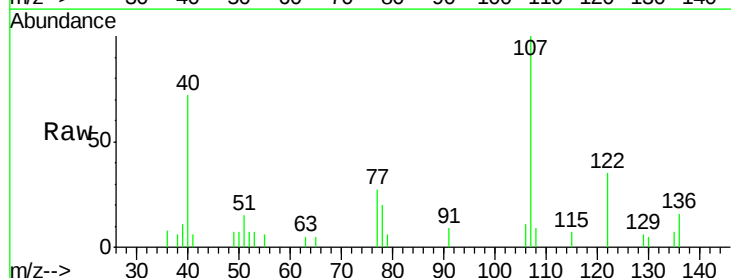
Tgt Ion:122 Resp: 2443

Ion Ratio Lower Upper

122 100

105 0.0 100.7 140.7#

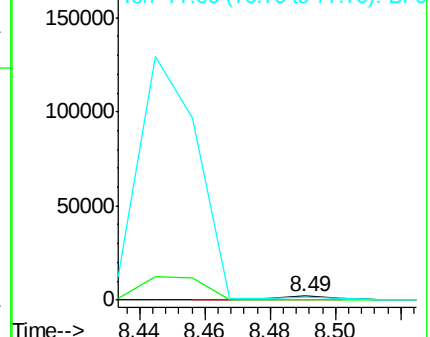
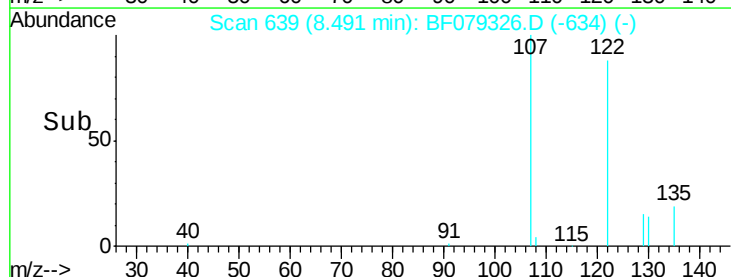
77 75.3 72.0 112.0

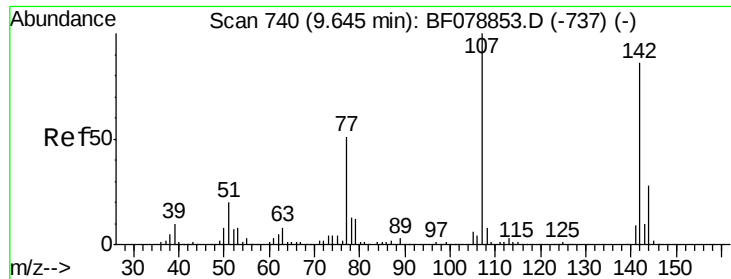


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

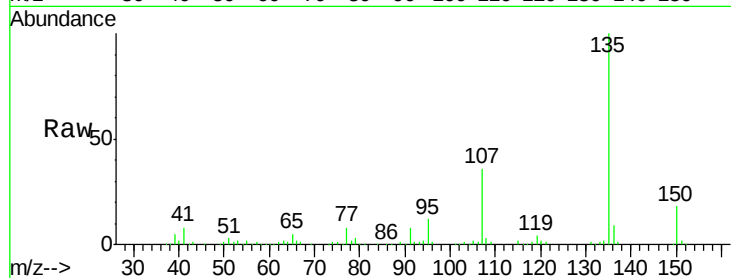




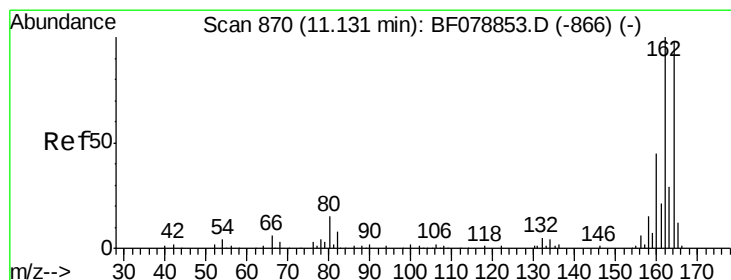
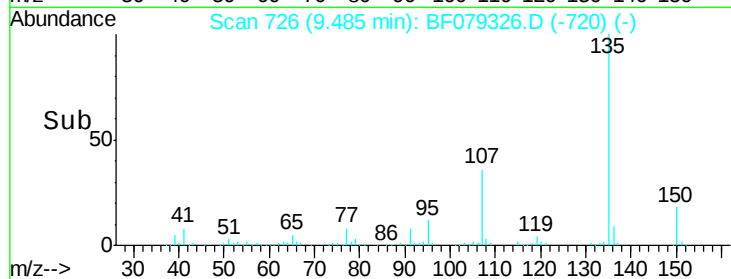
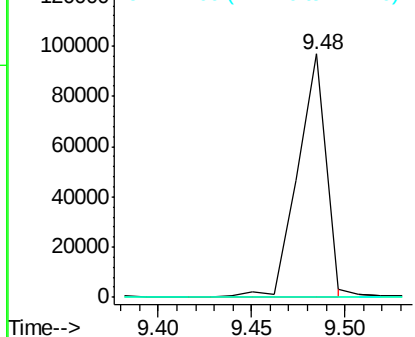
#36
 4-Chloro-3-methylphenol
 Concen: 38.56 ng
 RT: 9.48 min Scan# 726
 Delta R.T. -0.02 min
 Lab File: BF079326.D
 Acq: 19 May 2015 2:02

Instrument :
 BNA_F
 ClientSampleId :
 WC-13-D1

Tgt Ion:107 Resp: 103314
 Ion Ratio Lower Upper
 107 100
 144 0.0 22.5 33.7#
 142 0.0 68.6 103.0#

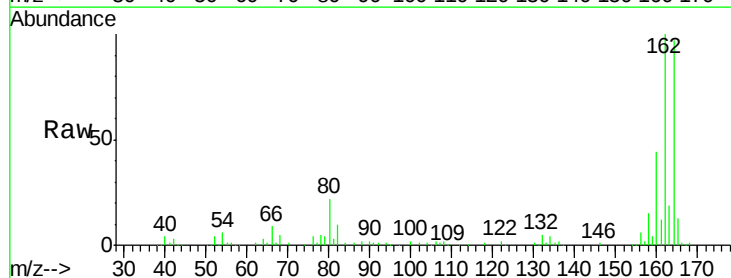


Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

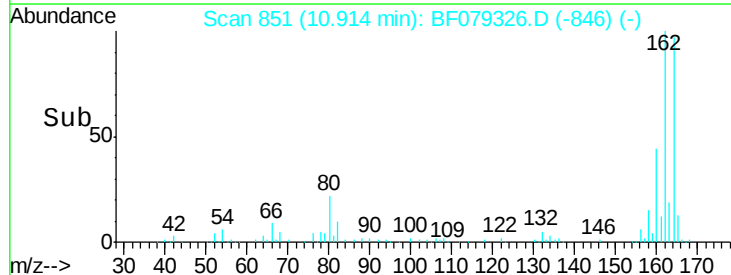
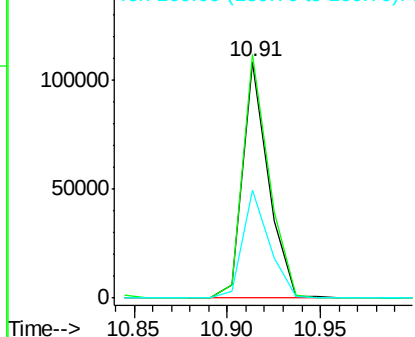


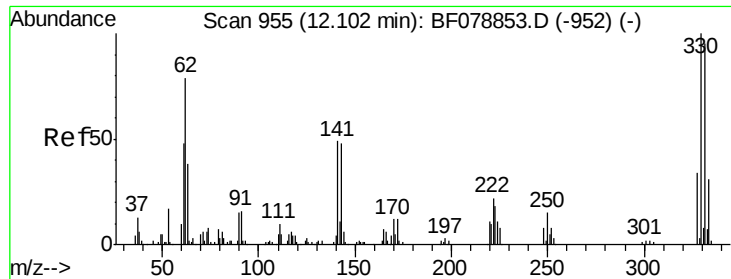
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.91 min Scan# 851
 Delta R.T. -0.06 min
 Lab File: BF079326.D
 Acq: 19 May 2015 2:02

Tgt Ion:164 Resp: 103754
 Ion Ratio Lower Upper
 164 100
 162 103.0 81.4 122.0
 160 45.4 36.6 54.8



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

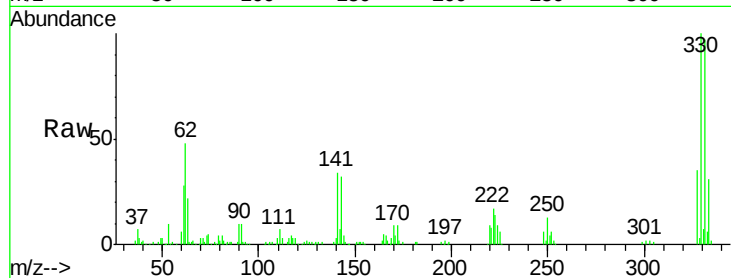




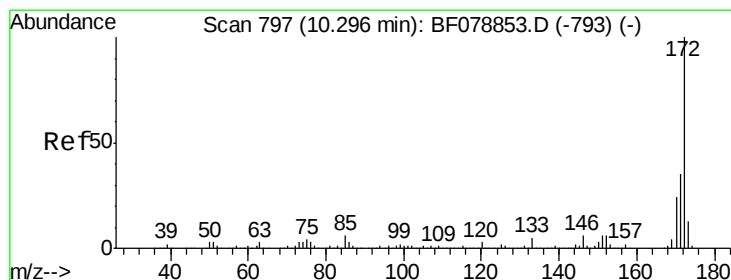
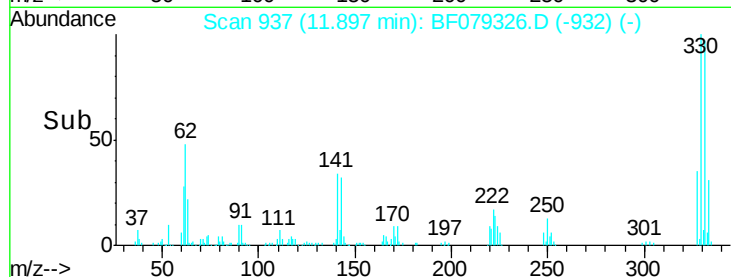
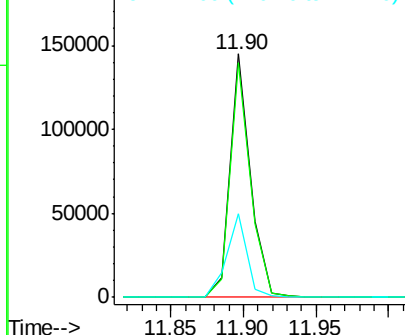
#41
 2,4,6-Tribromophenol
 Concen: 126.45 ng
 RT: 11.90 min Scan# 937
 Delta R.T. -0.06 min
 Lab File: BF079326.D
 Acq: 19 May 2015 2:02

Instrument :
 BNA_F
 ClientSampleId :
 WC-13-D1

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.9	115.3
141	34.3	27.8	41.8

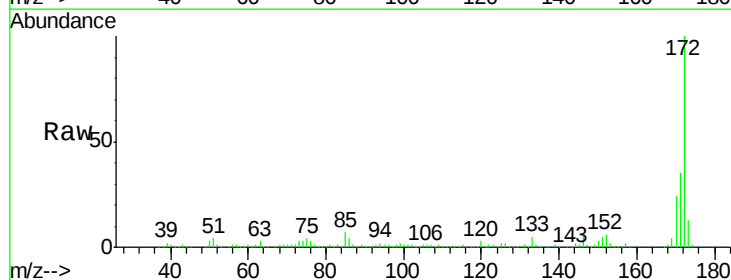


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

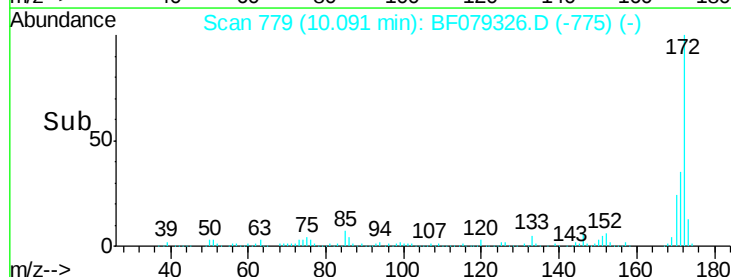
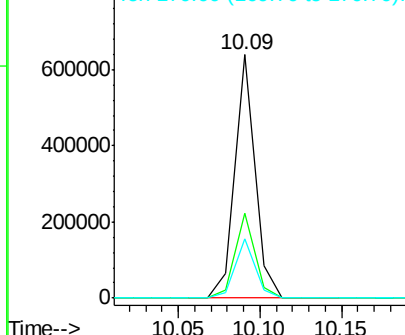


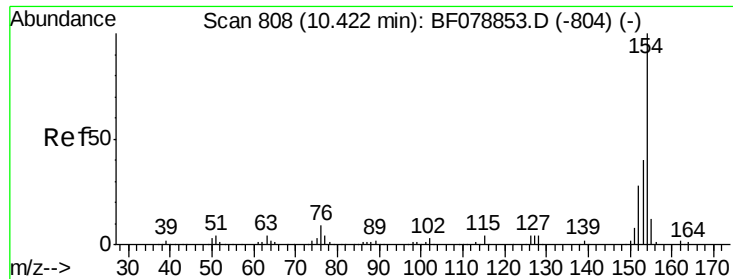
#44
 2-Fluorobiphenyl
 Concen: 73.05 ng
 RT: 10.09 min Scan# 779
 Delta R.T. -0.06 min
 Lab File: BF079326.D
 Acq: 19 May 2015 2:02

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.3	42.5
170	24.1	19.4	29.2



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

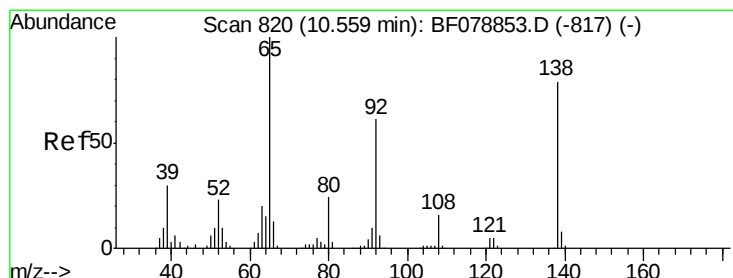
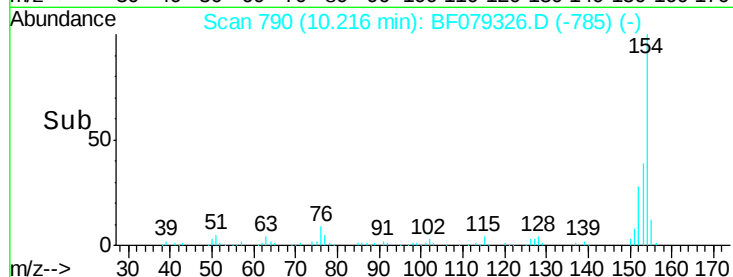
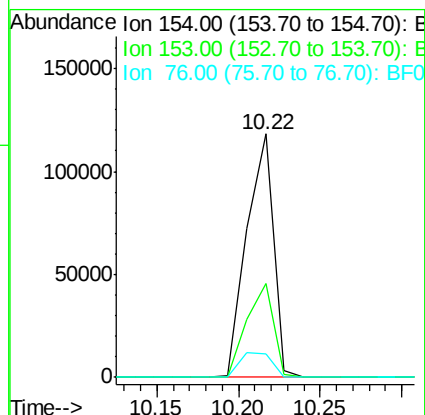
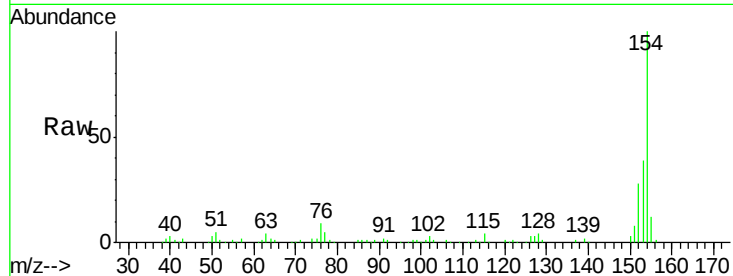




#45
 1,1'-Biphenyl
 Concen: 16.24 ng
 RT: 10.22 min Scan# 790
 Delta R.T. -0.05 min
 Lab File: BF079326.D
 Acq: 19 May 2015 2:02

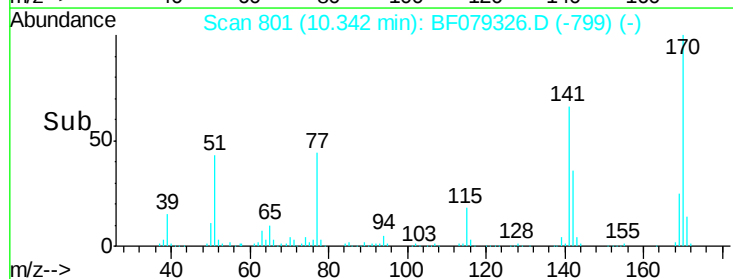
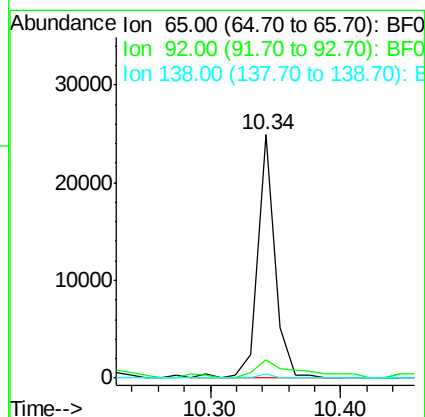
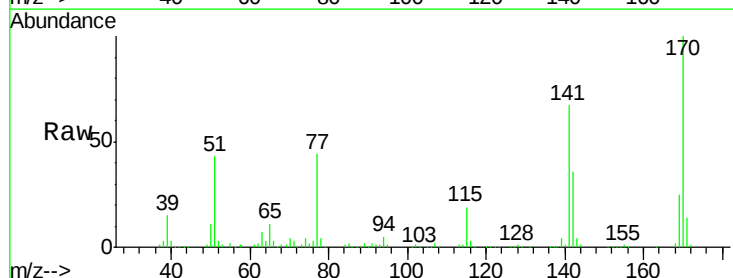
Instrument :
 BNA_F
 ClientSampleId :
 WC-13-D1

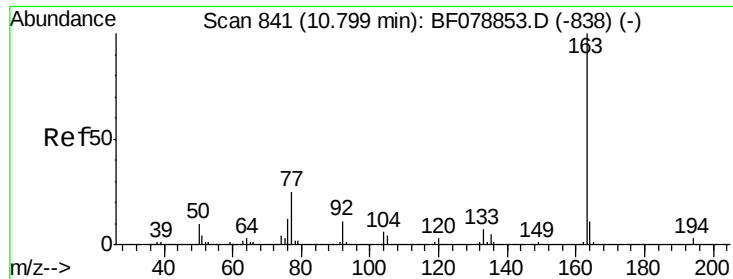
Tgt Ion: 154 Resp: 133915
 Ion Ratio Lower Upper
 154 100
 153 38.5 19.7 59.7
 76 9.4 0.0 29.1



#47
 2-Nitroaniline
 Concen: 12.49 ng
 RT: 10.34 min Scan# 801
 Delta R.T. -0.08 min
 Lab File: BF079326.D
 Acq: 19 May 2015 2:02

Tgt Ion: 65 Resp: 23283
 Ion Ratio Lower Upper
 65 100
 92 7.4 49.1 73.7#
 138 1.7 63.2 94.8#

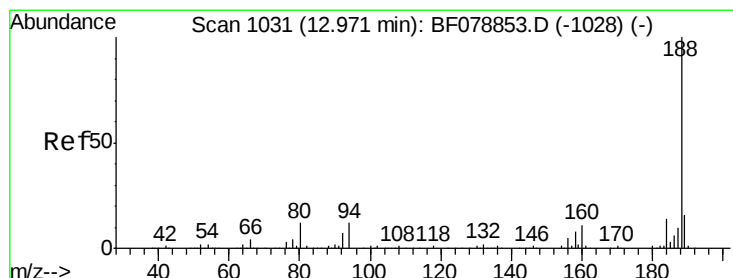
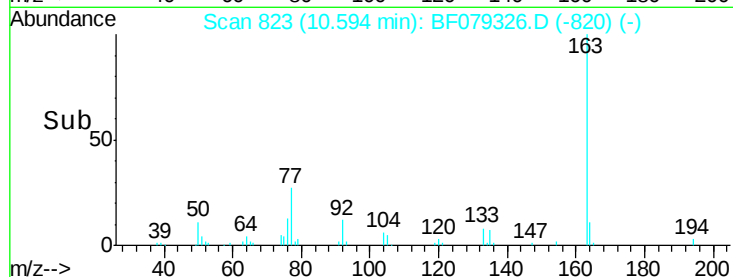
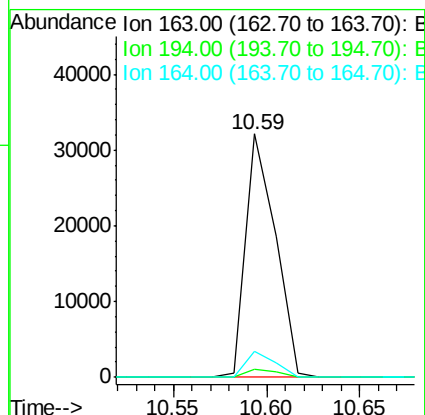
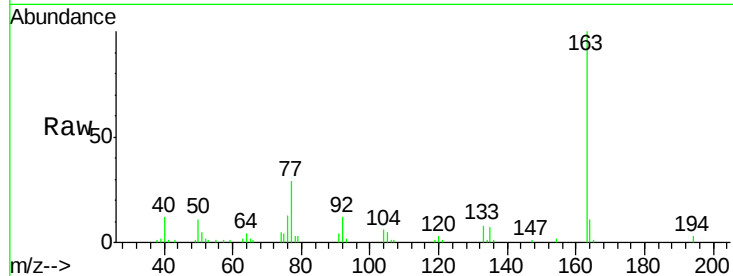




#49
Dimethylphthalate
Concen: 4.68 ng
RT: 10.59 min Scan# 823
Delta R.T. -0.07 min
Lab File: BF079326.D
Acq: 19 May 2015 2:02

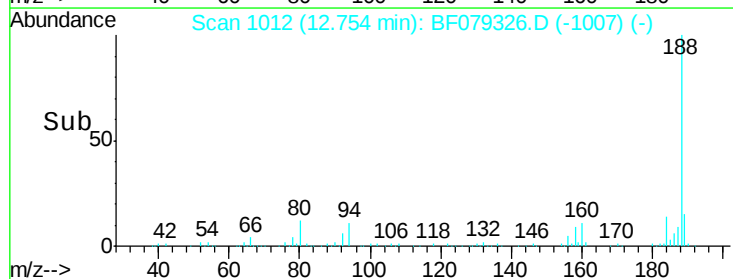
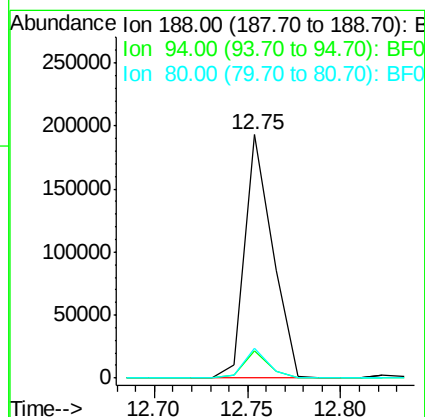
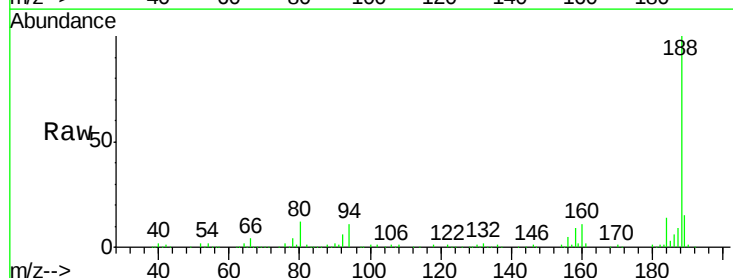
Instrument :
BNA_F
ClientSampleId :
WC-13-D1

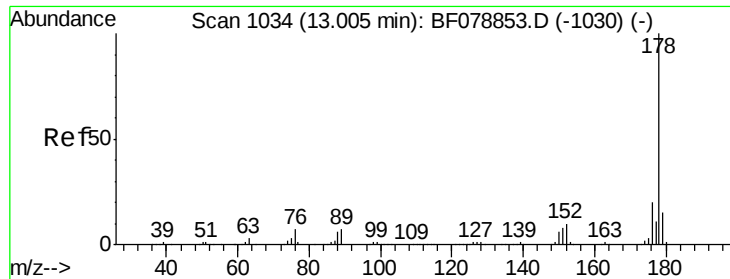
Tgt Ion:163 Resp: 35672
Ion Ratio Lower Upper
163 100
194 3.2 2.4 3.6
164 10.7 8.6 12.8



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.75 min Scan# 1012
Delta R.T. -0.07 min
Lab File: BF079326.D
Acq: 19 May 2015 2:02

Tgt Ion:188 Resp: 199153
Ion Ratio Lower Upper
188 100
94 11.4 9.4 14.0
80 12.2 9.8 14.6

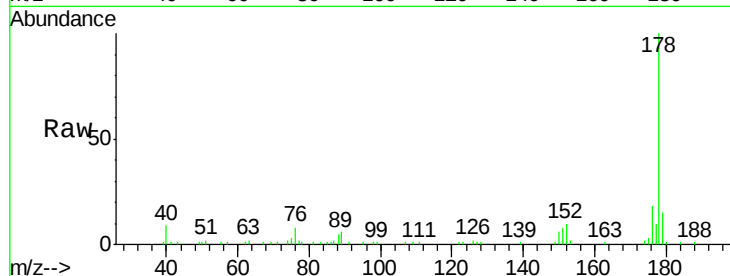




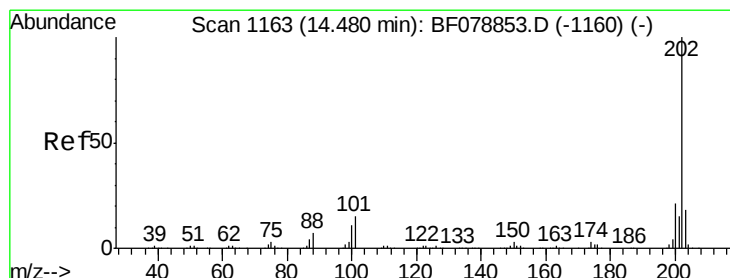
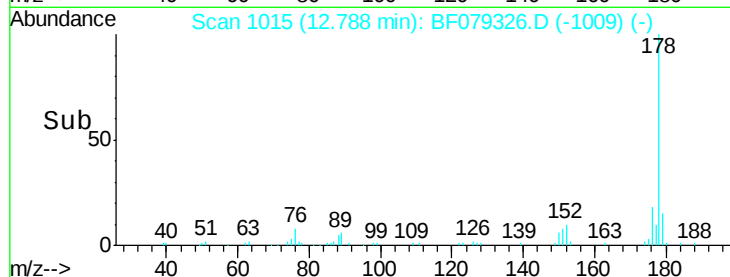
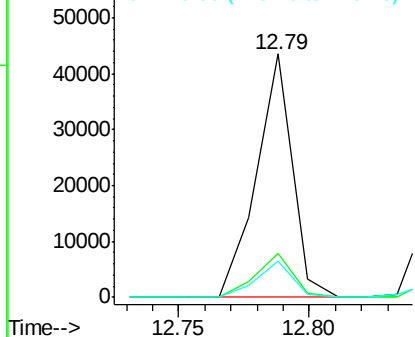
#70
Phenanthrene
Concen: 3.75 ng
RT: 12.79 min Scan# 1015
Delta R.T. -0.06 min
Lab File: BF079326.D
Acq: 19 May 2015 2:02

Instrument :
BNA_F
ClientSampleId :
WC-13-D1

Tgt Ion:178 Resp: 41783
Ion Ratio Lower Upper
178 100
176 18.2 15.9 23.9
179 15.0 12.2 18.4

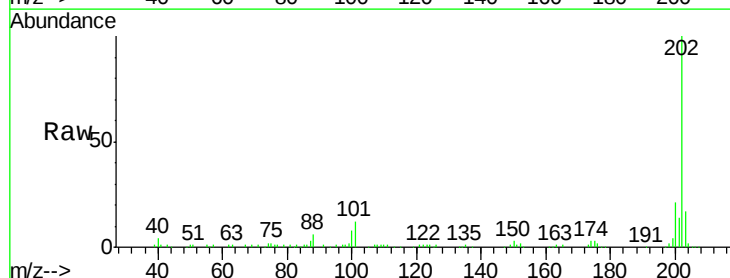


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

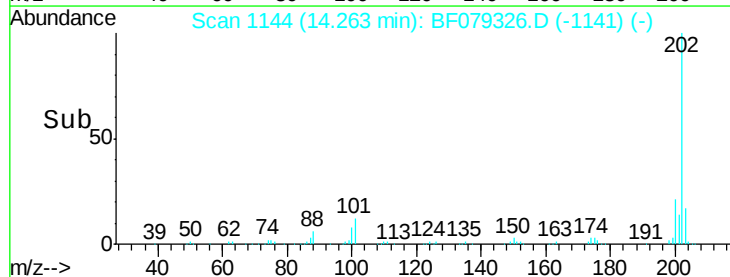
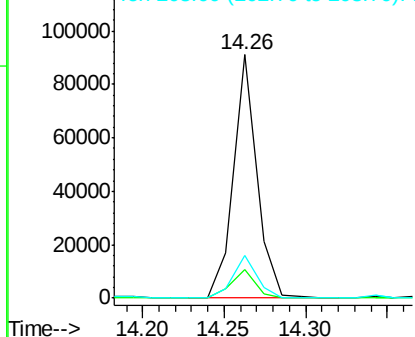


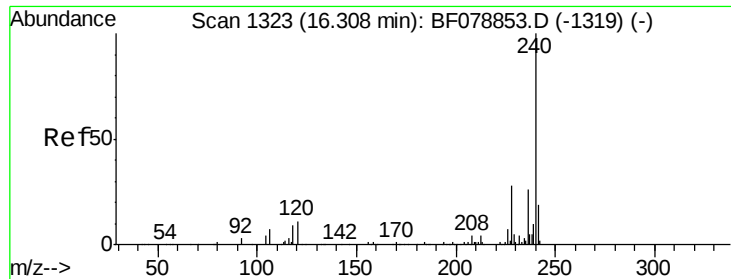
#74
Fluoranthene
Concen: 7.73 ng
RT: 14.26 min Scan# 1144
Delta R.T. -0.11 min
Lab File: BF079326.D
Acq: 19 May 2015 2:02

Tgt Ion:202 Resp: 89748
Ion Ratio Lower Upper
202 100
101 11.5 0.0 34.7
203 17.4 0.0 37.9



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: 16.05 min Scan# 1300

Delta R.T. -0.46 min

Lab File: BF079326.D

Acq: 19 May 2015 2:02

Instrument :

BNA_F

ClientSampleId :

WC-13-D1

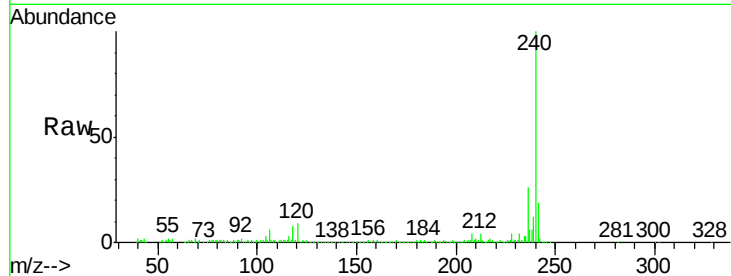
Tgt Ion:240 Resp: 206333

Ion Ratio Lower Upper

240 100

120 9.2 8.6 12.8

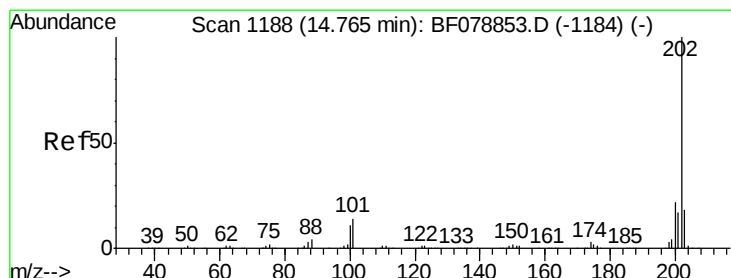
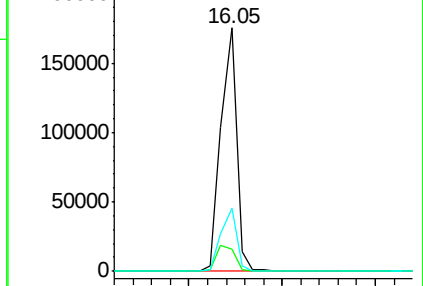
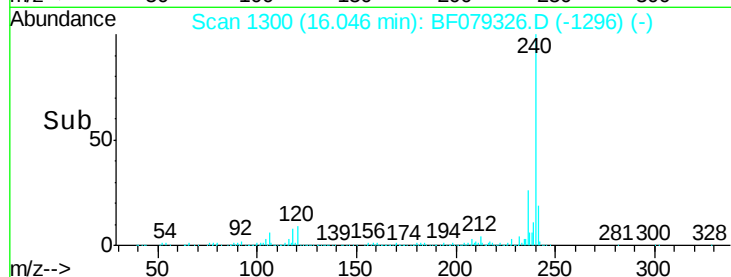
236 26.1 21.0 31.6



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: 7.55 ng

RT: 14.26 min Scan# 1144

Delta R.T. -0.42 min

Lab File: BF079326.D

Acq: 19 May 2015 2:02

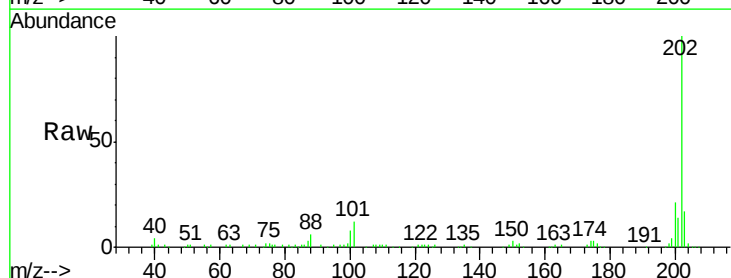
Tgt Ion:202 Resp: 89748

Ion Ratio Lower Upper

202 100

200 21.1 17.5 26.3

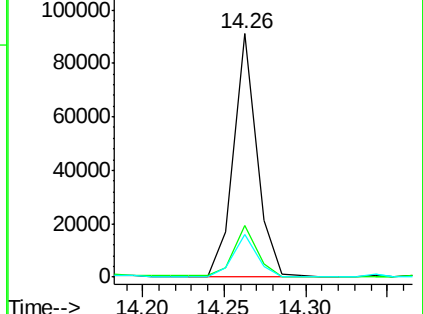
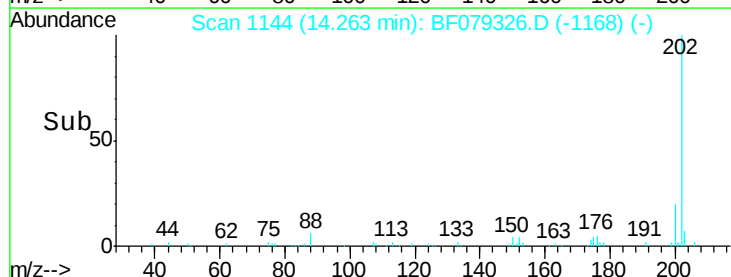
203 17.4 14.7 22.1

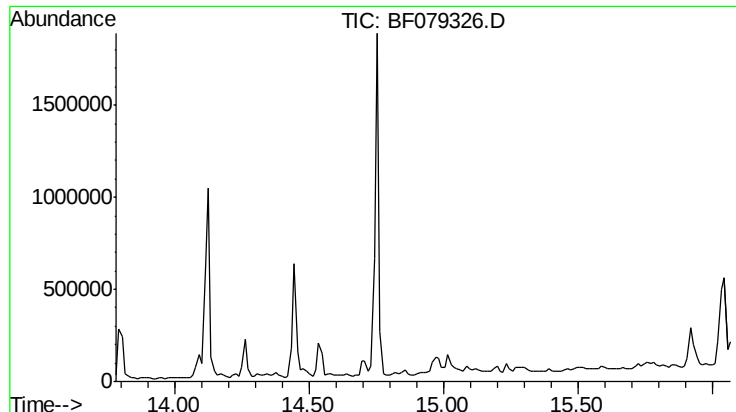


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



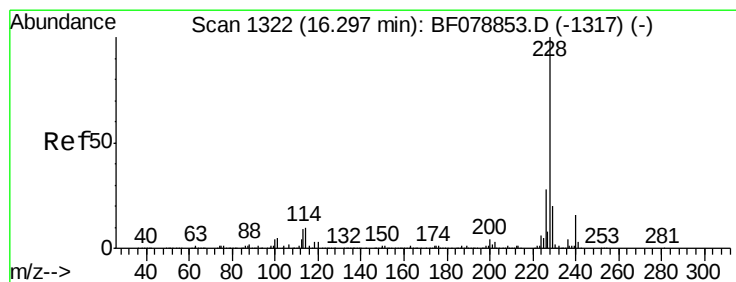
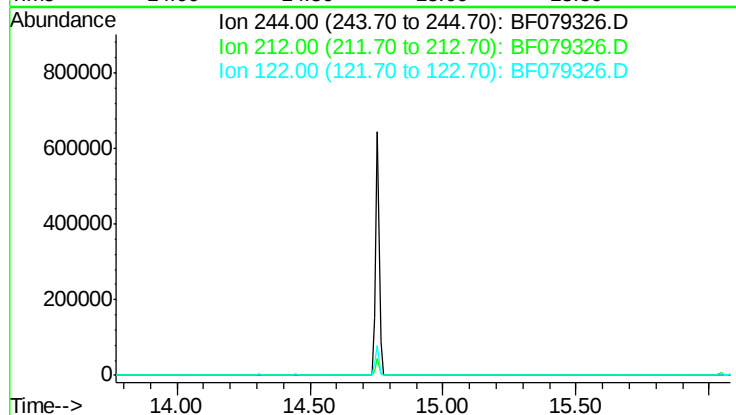


#78
 Terphenyl-d14
 Concen: 0.00 ng
 Expected RT: 14.93 min
 Lab File: BF079326.D
 Acq: 19 May 2015 2:02

Instrument :
 BNA_F
 ClientSampleId :
 WC-13-D1

Tgt Ion: 244

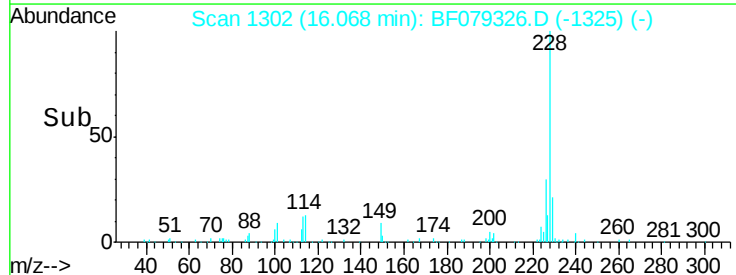
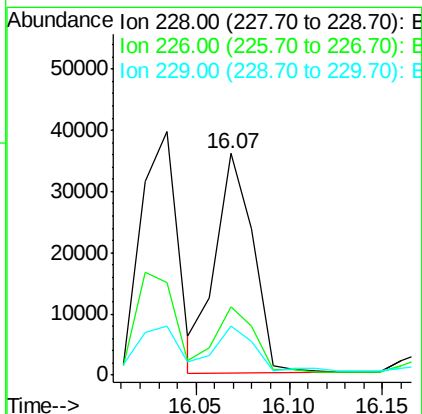
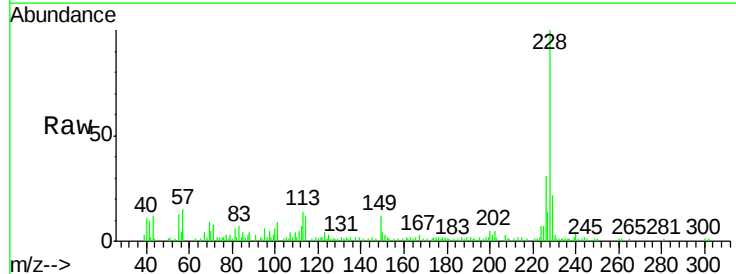
Sig	Exp Ratio
244	100
212	7.0
122	13.1

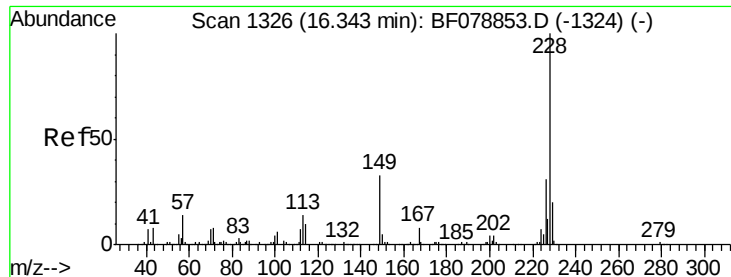


#80
 Benzo(a)anthracene
 Concen: 4.48 ng
 RT: 16.07 min Scan# 1302
 Delta R.T. -0.42 min
 Lab File: BF079326.D
 Acq: 19 May 2015 2:02

Tgt Ion: 228 Resp: 50648

Ion	Ratio	Lower	Upper
228	100		
226	31.1	22.3	33.5
229	22.2	16.1	24.1

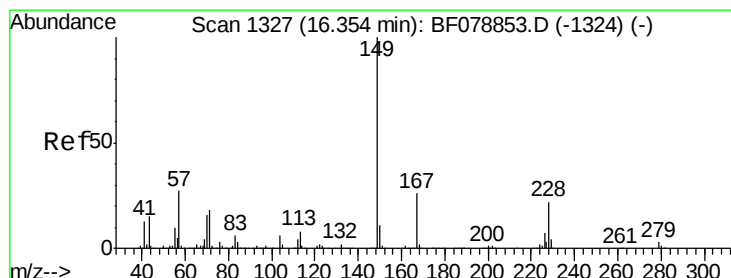
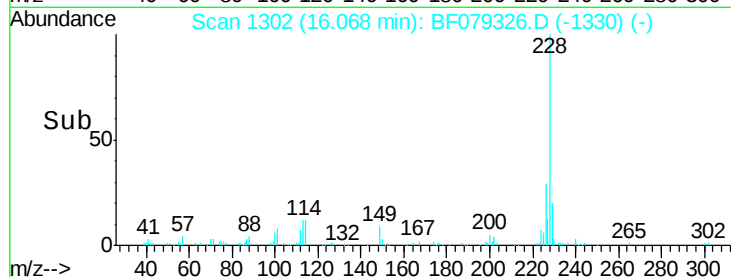
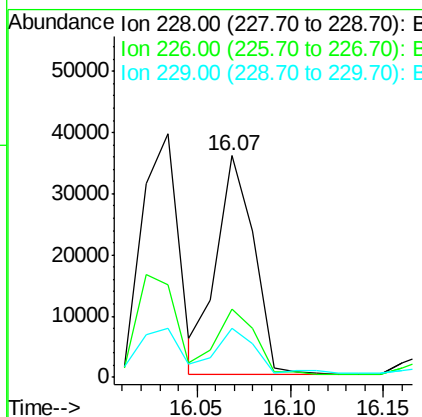
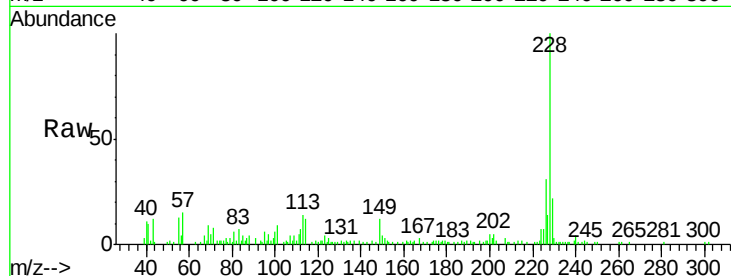




#82
Chrysene
Concen: 4.61 ng
RT: 16.07 min Scan# 1302
Delta R.T. -0.48 min
Lab File: BF079326.D
Acq: 19 May 2015 2:02

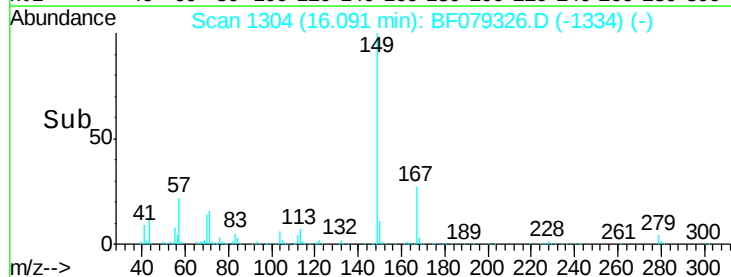
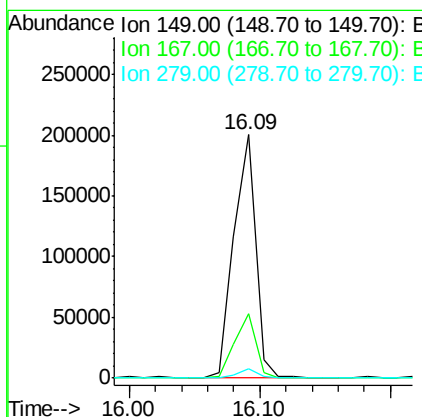
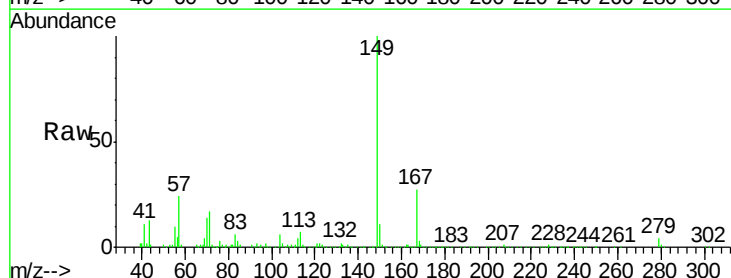
Instrument :
BNA_F
ClientSampleId :
WC-13-D1

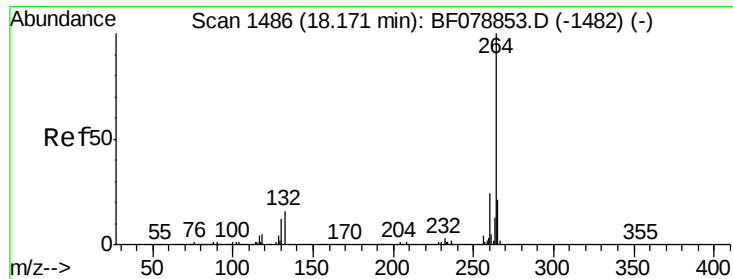
Tgt Ion: 228 Resp: 50133
Ion Ratio Lower Upper
228 100
226 31.1 24.8 37.2
229 22.2 16.1 24.1



#83
Bis(2-ethylhexyl)phthalate
Concen: 29.13 ng
RT: 16.09 min Scan# 1304
Delta R.T. -0.51 min
Lab File: BF079326.D
Acq: 19 May 2015 2:02

Tgt Ion: 149 Resp: 229336
Ion Ratio Lower Upper
149 100
167 26.6 21.2 31.8
279 4.0 2.6 4.0#





#86

Perylene-d12

Concen: 20.00 ng

RT: 18.41 min Scan# 1507

Delta R.T. -0.47 min

Lab File: BF079326.D

Acq: 19 May 2015 2:02

Instrument :

BNA_F

ClientSampled :

WC-13-D1

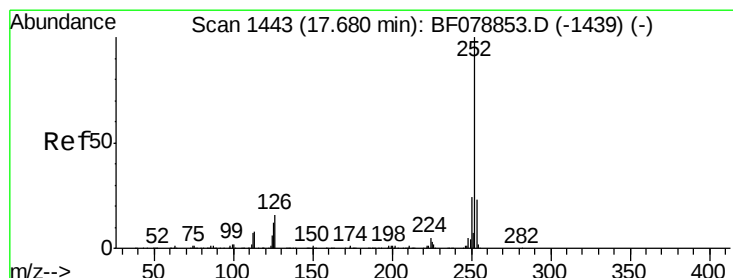
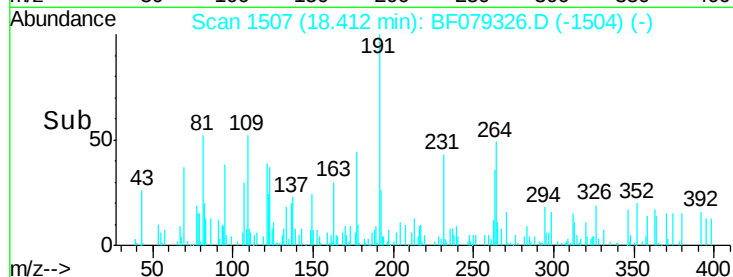
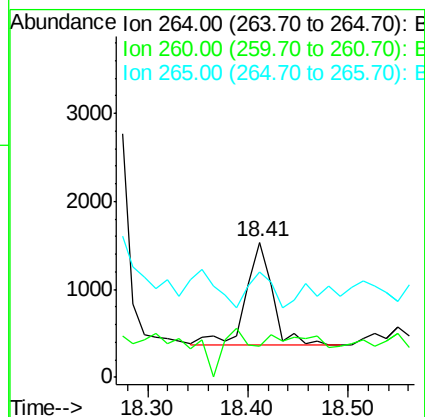
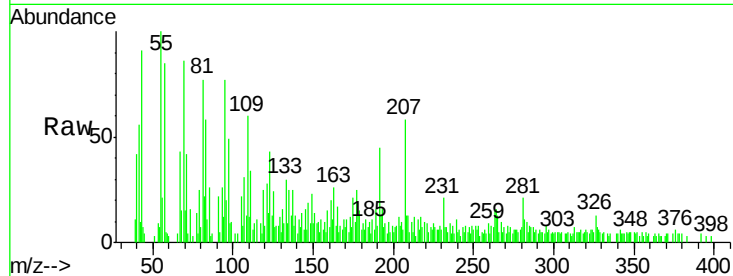
Tgt Ion:264 Resp: 2155

Ion Ratio Lower Upper

264 100

260 22.9 19.2 28.8

265 78.1 17.2 25.8#



#87

Benzo(b)fluoranthene

Concen: 136.17 ng

RT: 17.76 min Scan# 1450

Delta R.T. -0.49 min

Lab File: BF079326.D

Acq: 19 May 2015 2:02

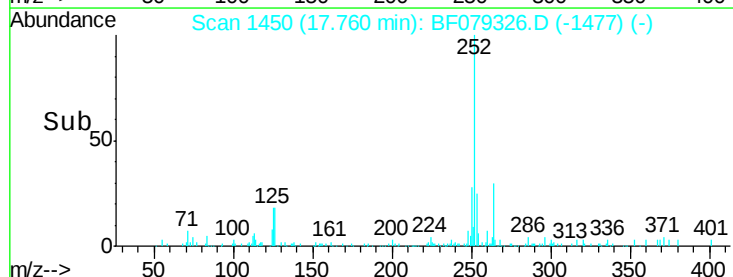
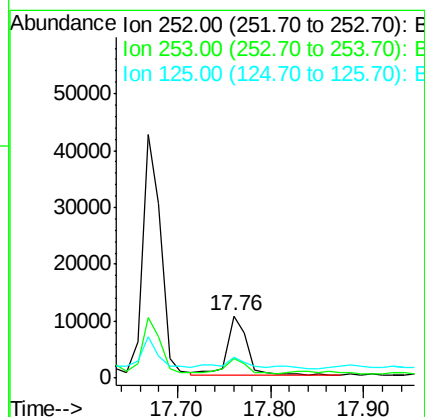
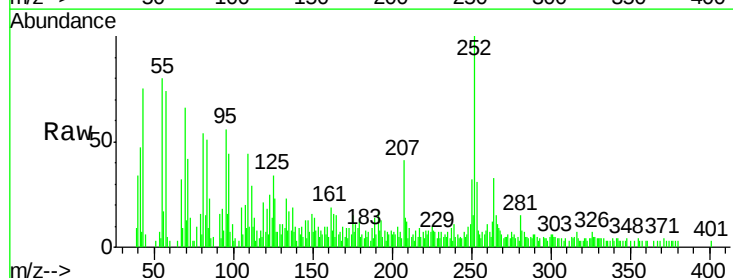
Tgt Ion:252 Resp: 16062

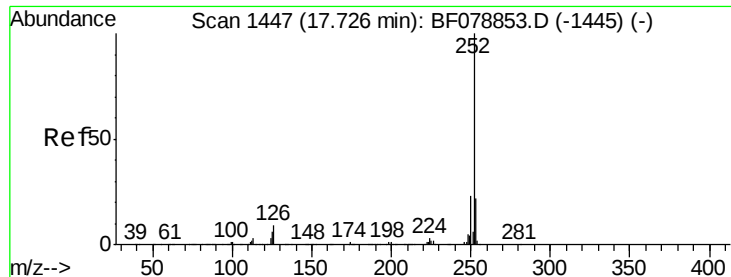
Ion Ratio Lower Upper

252 100

253 31.0 18.1 27.1#

125 34.2 9.4 14.2#

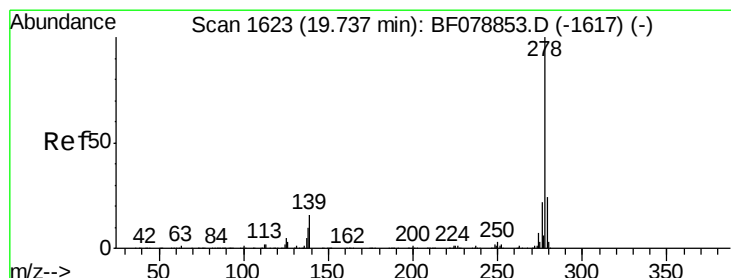
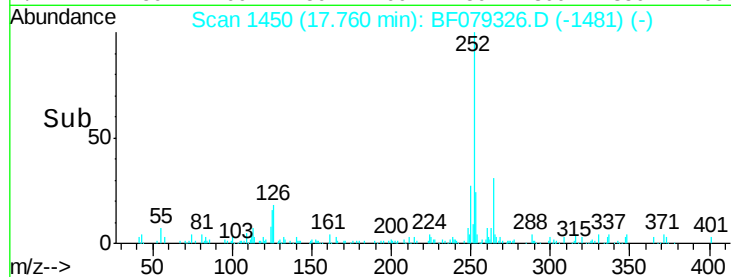
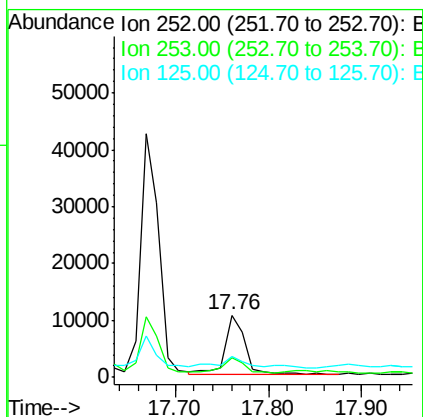
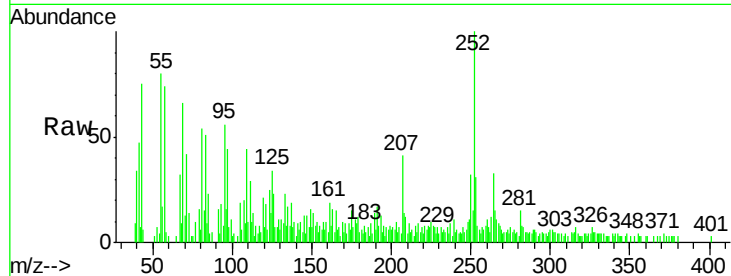




#88
Benzo(k)fluoranthene
Concen: 140.66 ng
RT: 17.76 min Scan# 1450
Delta R.T. -0.54 min
Lab File: BF079326.D
Acq: 19 May 2015 2:02

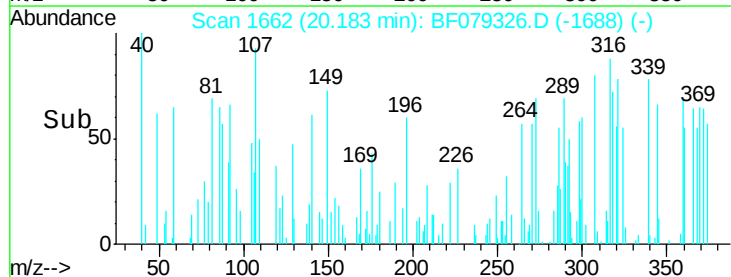
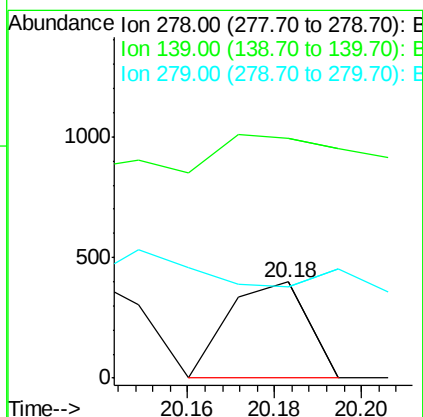
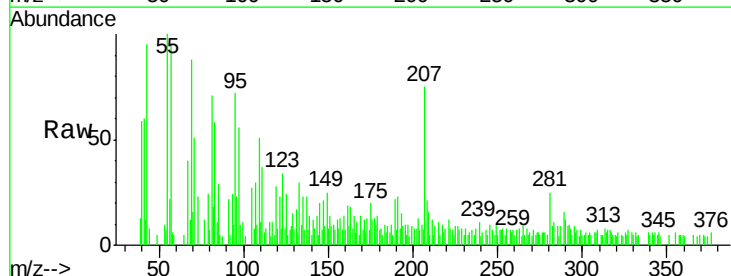
Instrument :
BNA_F
ClientSampleId :
WC-13-D1

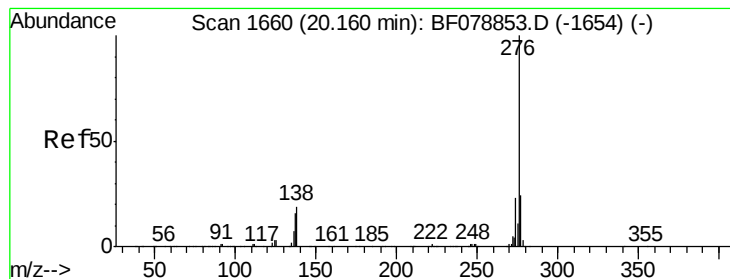
Tgt Ion: 252 Resp: 16062
Ion Ratio Lower Upper
252 100
253 31.0 17.4 26.0#
125 34.2 6.1 9.1#



#90
Dibenzo(a,h)anthracene
Concen: 4.37 ng
RT: 20.18 min Scan# 1662
Delta R.T. -0.50 min
Lab File: BF079326.D
Acq: 19 May 2015 2:02

Tgt Ion: 278 Resp: 505
Ion Ratio Lower Upper
278 100
139 249.4 13.1 19.7#
279 95.5 19.1 28.7#





#91

Benzo(g,h,i)perylene

Concen: 3.41 ng

RT: 20.54 min Scan# 1693

Delta R.T. -0.55 min

Lab File: BF079326.D

Acq: 19 May 2015 2:02

Instrument :

BNA_F

ClientSampleId :

WC-13-D1

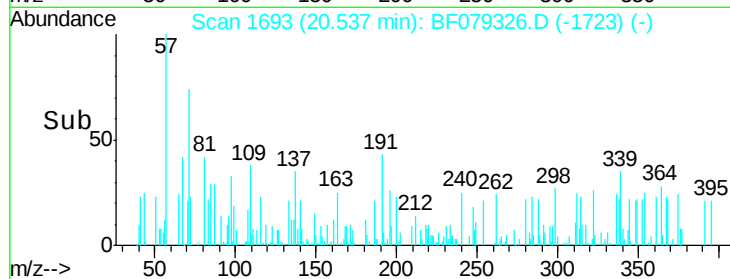
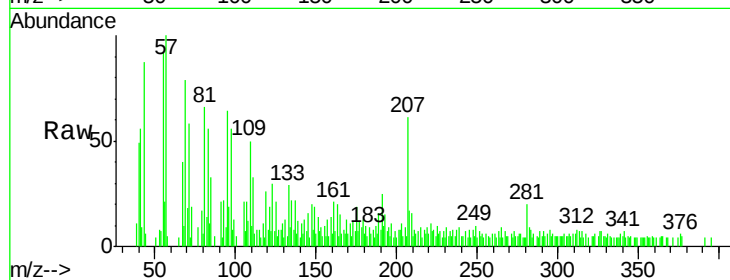
Tgt Ion: 276 Resp: 394

Ion Ratio Lower Upper

276 100

277 95.4 18.8 28.2#

138 91.3 15.2 22.8#



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

