

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051815\
 Data File : BF079329.D
 Acq On : 19 May 2015 3:29
 Operator : TP/IZ
 Sample : G2273-15
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-05-D1

Quant Time: May 19 05:08:05 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 19 04:38:30 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.16	152	47807	20.00	ng	0.00
21) Naphthalene-d8	8.74	136	198022	20.00	ng	0.00
38) Acenaphthene-d10	10.91	164	98350	20.00	ng	0.00
63) Phenanthrene-d10	12.77	188	192566	20.00	ng	0.01
75) Chrysene-d12	16.05	240	205601	20.00	ng	-0.01
86) Perylene-d12	17.75	264	207315	20.00	ng	-0.10

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	318536m	114.69	ng	0.01
7) Phenol-d6	6.74	99	419085	114.16	ng	0.00
23) Nitrobenzene-d5	7.86	82	248449	72.11	ng	0.00
41) 2,4,6-Tribromophenol	11.90	330	129481	121.70	ng	0.00
44) 2-Fluorobiphenyl	10.09	172	503620	71.34	ng	0.00
78) Terphenyl-d14	14.75	244	592703	69.02	ng	0.00

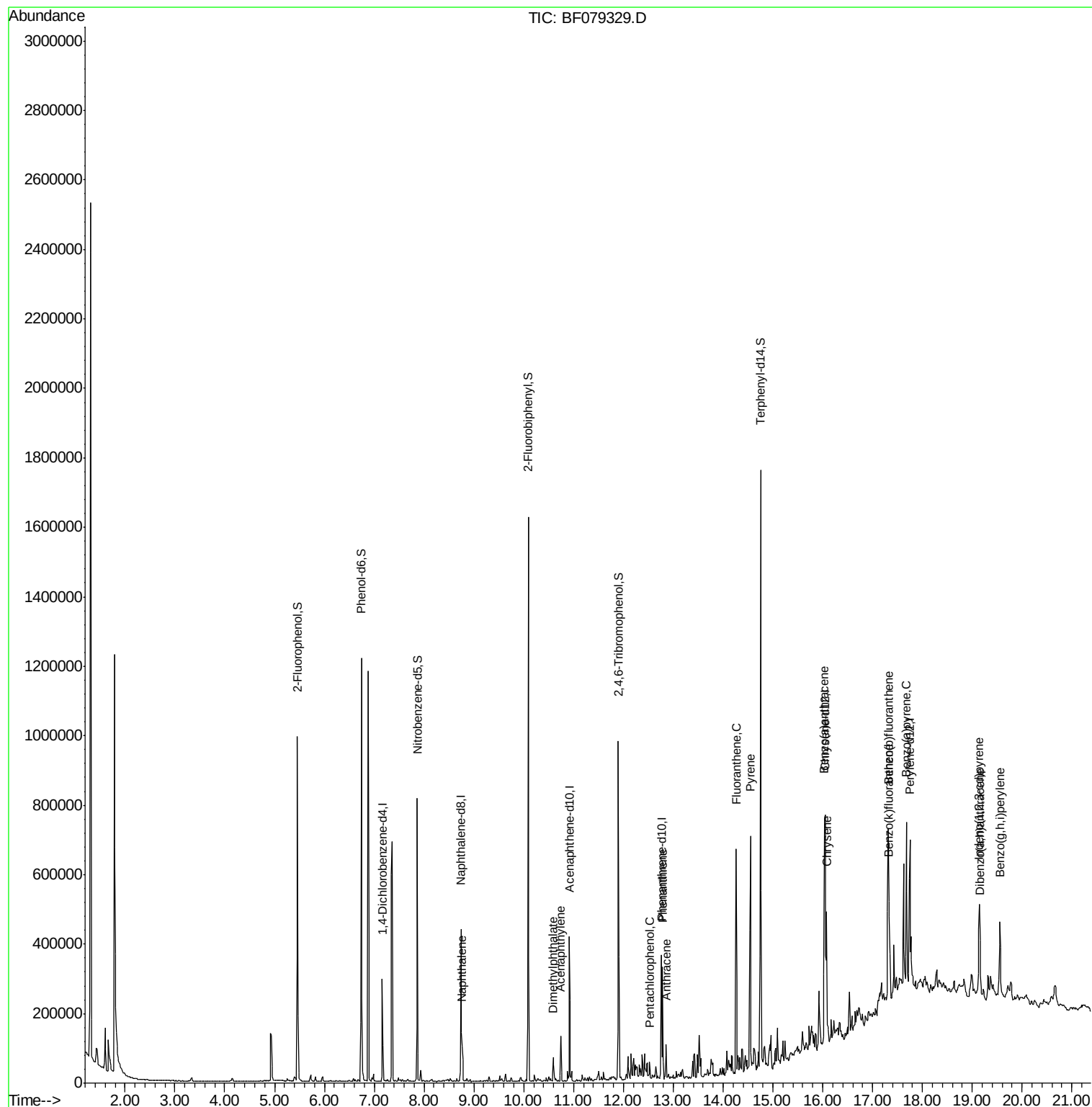
Target Compounds				Qvalue		
31) Naphthalene	8.76	128	48352	5.12	ng	99
48) Acenaphthylene	10.74	152	57306	5.72	ng	99
49) Dimethylphthalate	10.59	163	32994	4.57	ng	99
69) Pentachlorophenol	12.54	266	3533	9.25	ng	93
70) Phenanthrene	12.79	178	124387	11.55	ng	100
71) Anthracene	12.86	178	51041	4.83	ng	99
74) Fluoranthene	14.26	202	295765	26.35	ng	99
77) Pyrene	14.55	202	321772	27.16	ng	99
80) Benzo(a)anthracene	16.03	228	227549m	20.21	ng	
82) Chrysene	16.08	228	165907	15.32	ng	98
85) Indeno(1,2,3-cd)pyrene	19.14	276	183723	13.32	ng	95
87) Benzo(b)fluoranthene	17.31	252	286314m	25.23	ng	
88) Benzo(k)fluoranthene	17.33	252	116621m	10.62	ng	
89) Benzo(a)pyrene	17.68	252	226172	21.65	ng	# 96
90) Dibenzo(a,h)anthracene	19.15	278	38604m	3.48	ng	
91) Benzo(g,h,i)perylene	19.55	276	174923	15.72	ng	96

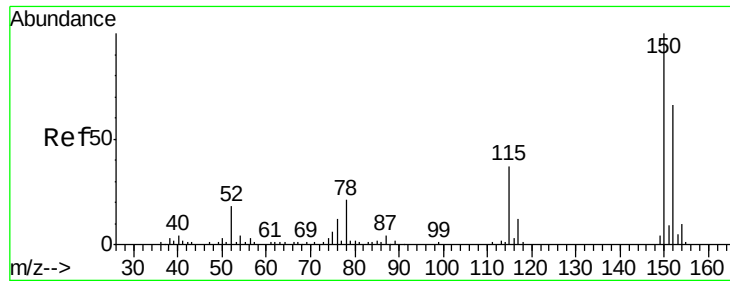
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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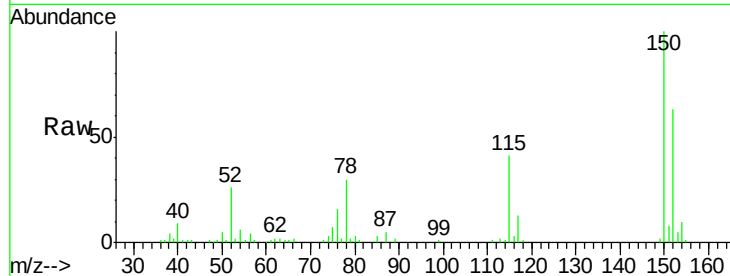




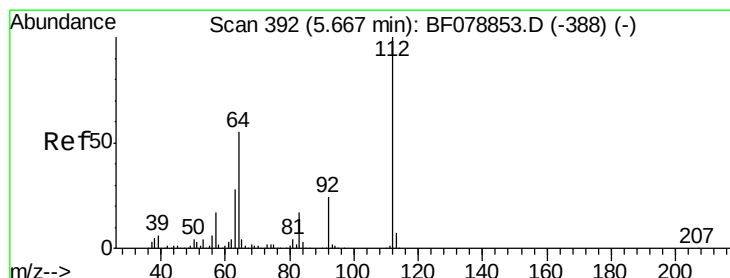
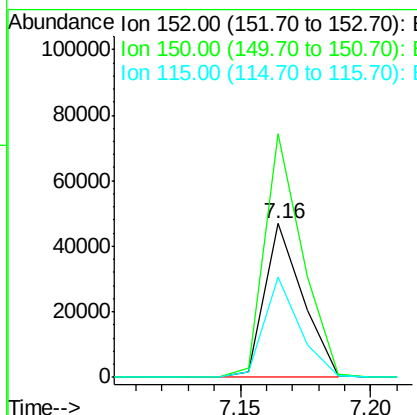
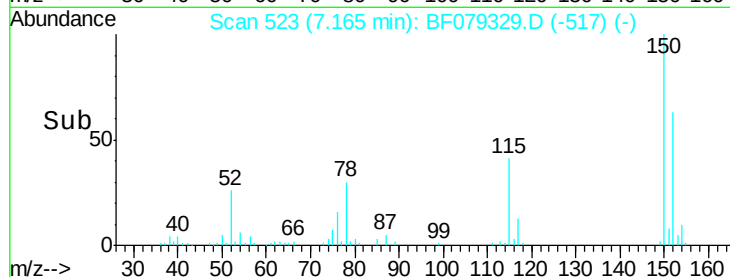
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.16 min Scan# 523
 Delta R.T. -0.00 min
 Lab File: BF079329.D
 Acq: 19 May 2015 3:29

Instrument :
 BNA_F
 ClientSampleID :
 WC-05-D1

Tot Ion:	152	Resp:	47807
Ion	Ratio	Lower	Upper
152	100		
150	158.3	123.8	185.8
115	65.3	49.4	74.0

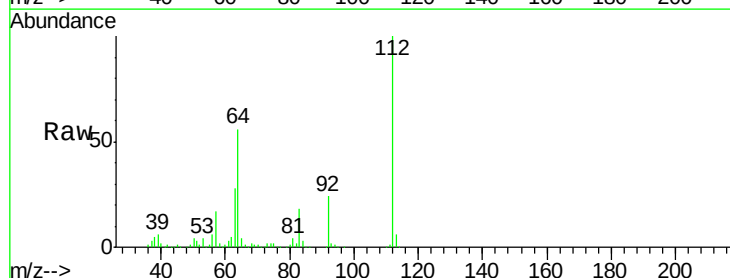


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

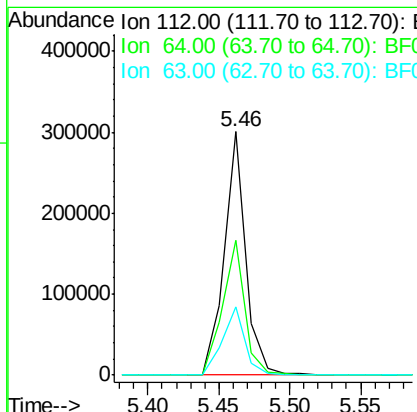
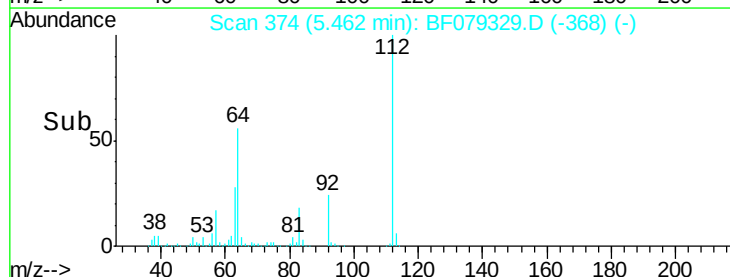


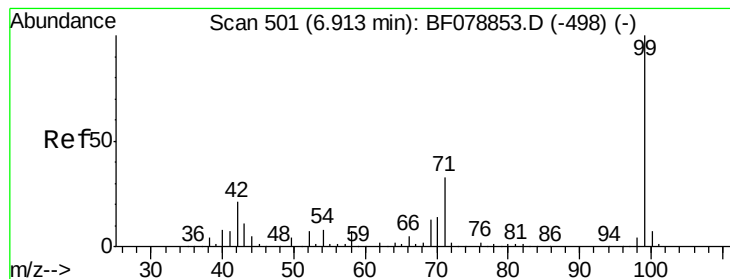
#5
 2-Fluorophenol
 Concen: 114.69 ng m
 RT: 5.46 min Scan# 374
 Delta R.T. 0.01 min
 Lab File: BF079329.D
 Acq: 19 May 2015 3:29

Tgt Ion:	112	Resp:	318536
Ion	Ratio	Lower	Upper
112	100		
64	55.6	44.2	66.2
63	28.2	22.7	34.1



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: 114.16 ng

RT: 6.74 min Scan# 486

Delta R.T. -0.00 min

Lab File: BF079329.D

Acq: 19 May 2015 3:29

Instrument :

BNA_F

ClientSampleId :

WC-05-D1

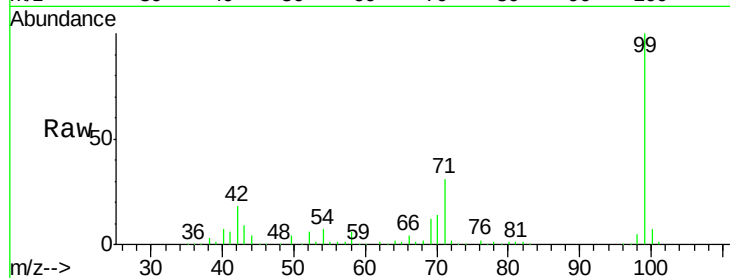
Tot Ion: 99 Resp: 419085

Ion Ratio Lower Upper

99 100

42 18.1 17.1 25.7

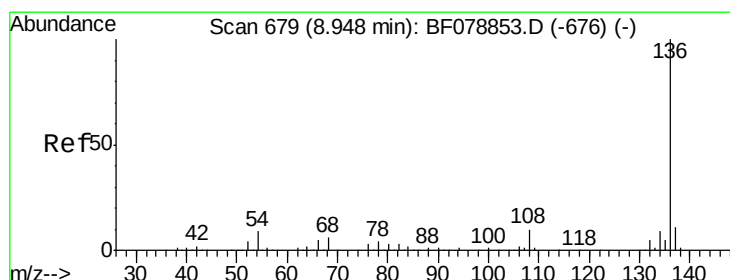
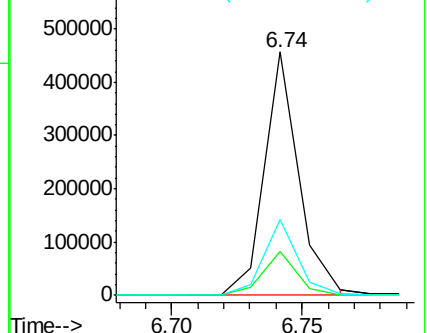
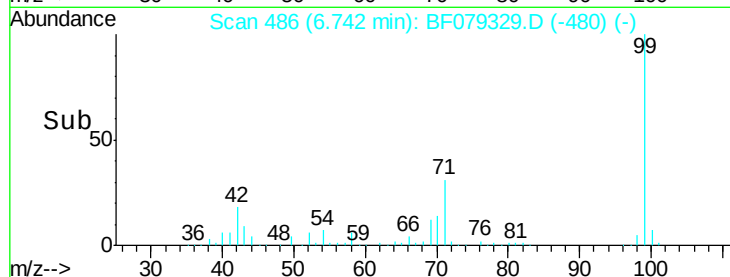
71 31.3 26.3 39.5



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: 8.74 min Scan# 661

Delta R.T. -0.00 min

Lab File: BF079329.D

Acq: 19 May 2015 3:29

Tgt Ion: 136 Resp: 198022

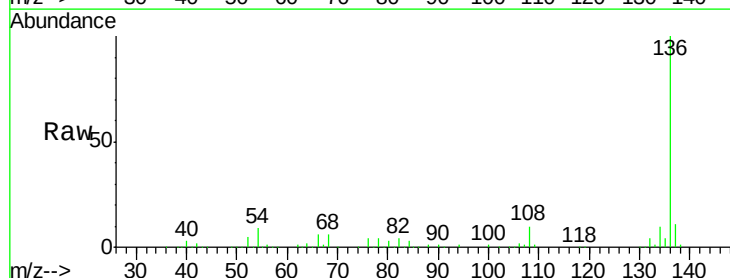
Ion Ratio Lower Upper

136 100

137 11.4 8.8 13.2

54 8.9 6.9 10.3

68 6.4 4.9 7.3

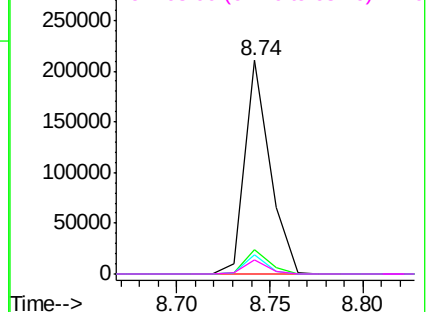
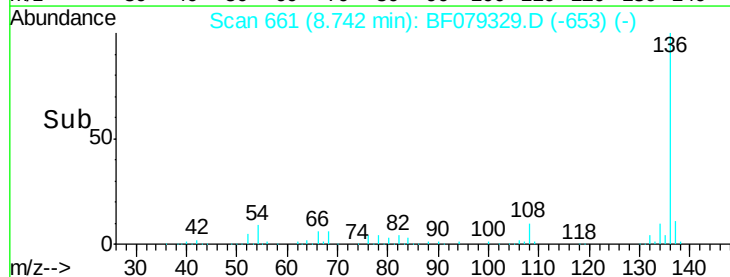


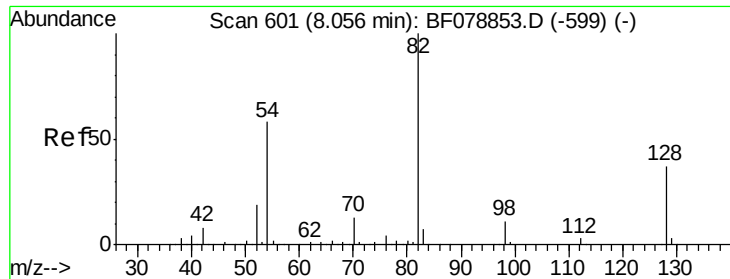
Abundance Ion 136.00 (135.70 to 136.70): E

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

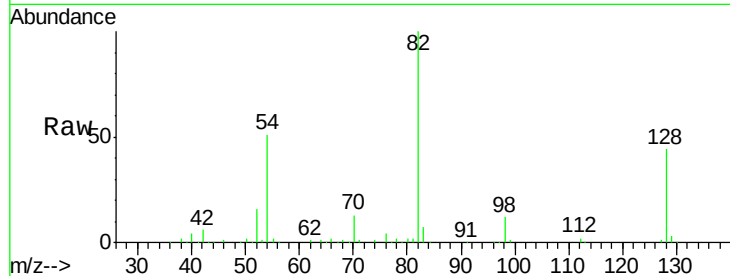




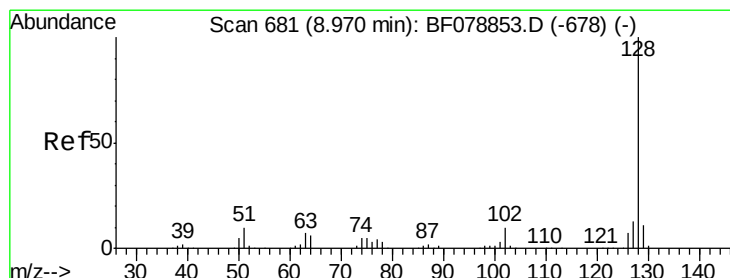
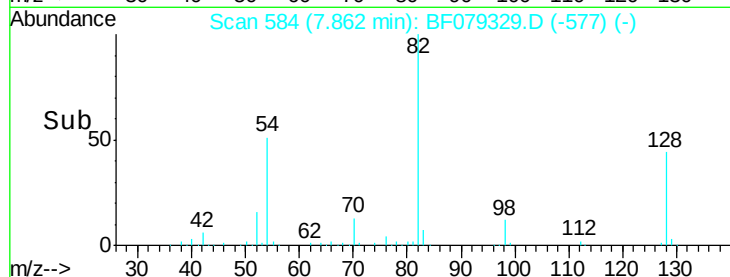
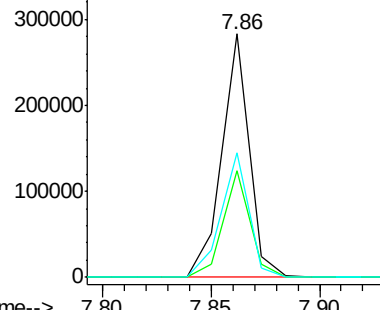
#23
 Nitrobenzene-d5
 Concen: 72.11 ng
 RT: 7.86 min Scan# 584
 Delta R.T. -0.00 min
 Lab File: BF079329.D
 Acq: 19 May 2015 3:29

Instrument :
 BNA_F
 ClientSampleID :
 WC-05-D1

Tot Ion	82	Resp	248449
Ion Ratio	100	Lower	Upper
128	43.6	29.7	44.5
54	51.2	46.2	69.4

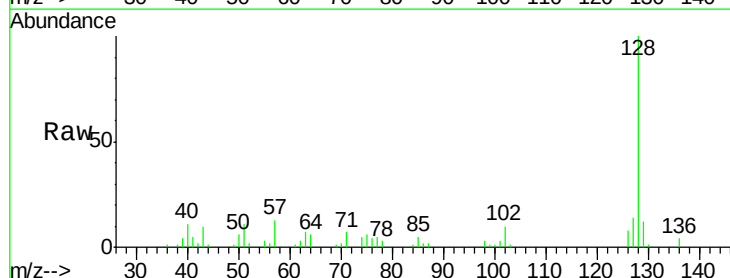


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

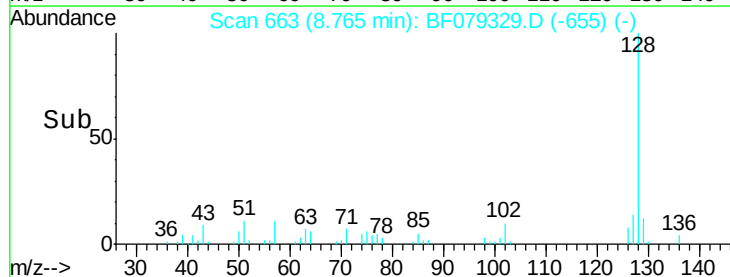
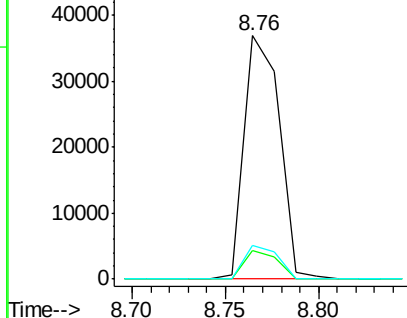


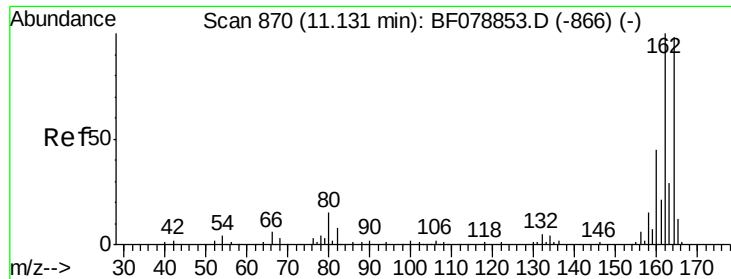
#31
 Naphthalene
 Concen: 5.12 ng
 RT: 8.76 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: BF079329.D
 Acq: 19 May 2015 3:29

Tgt Ion	128	Resp	48352
Ion Ratio	100	Lower	Upper
129	11.8	9.2	13.8
127	13.7	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

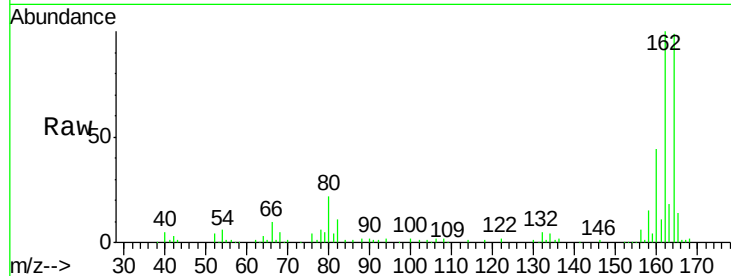




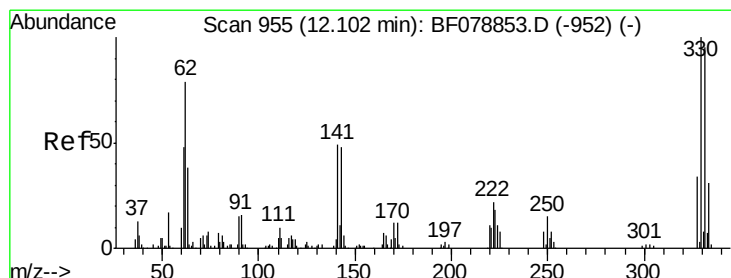
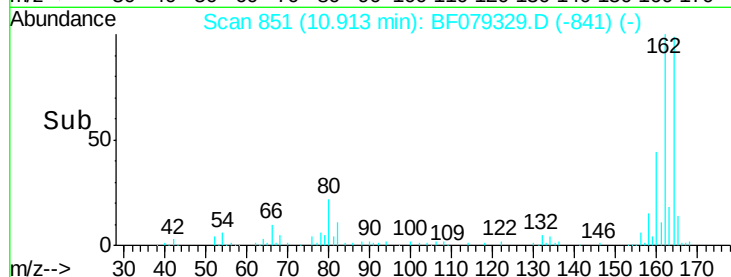
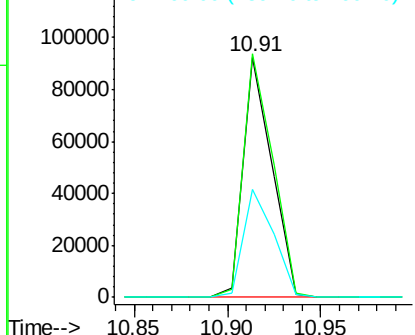
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.91 min Scan# 851
Delta R.T. -0.00 min
Lab File: BF079329.D
Acq: 19 May 2015 3:29

Instrument :
BNA_F
ClientSampleId :
WC-05-D1

Tot Ion:164 Resp: 98350
Ion Ratio Lower Upper
164 100
162 101.4 81.4 122.0
160 44.9 36.6 54.8

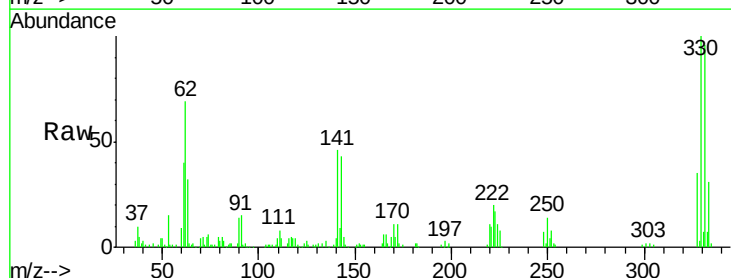


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

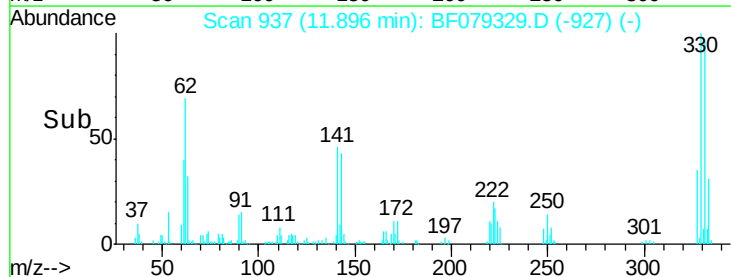
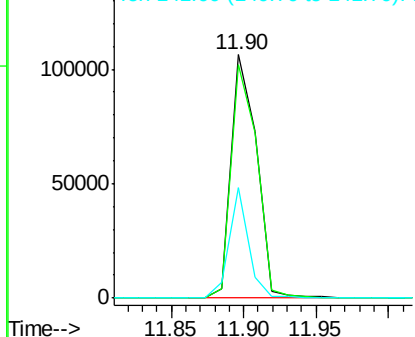


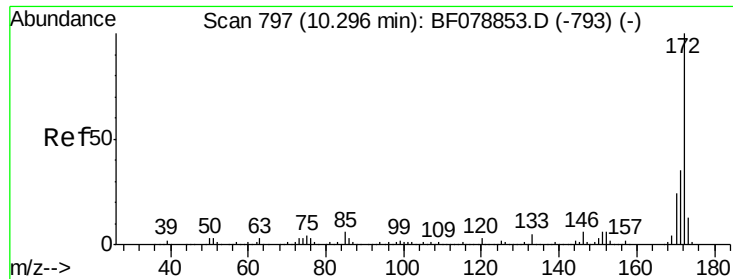
#41
2,4,6-Tribromophenol
Concen: 121.70 ng
RT: 11.90 min Scan# 937
Delta R.T. -0.00 min
Lab File: BF079329.D
Acq: 19 May 2015 3:29

Tgt Ion:330 Resp: 129481
Ion Ratio Lower Upper
330 100
332 97.3 76.9 115.3
141 35.5 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

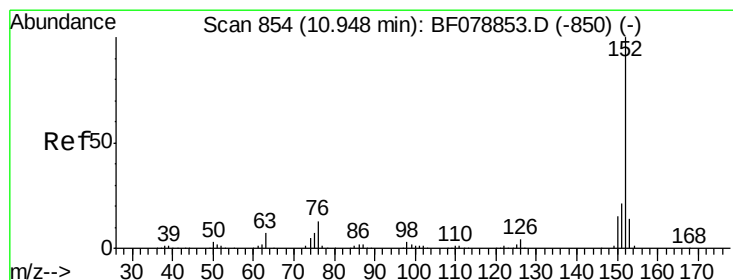
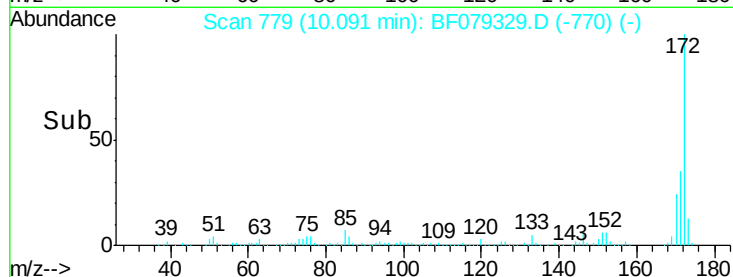
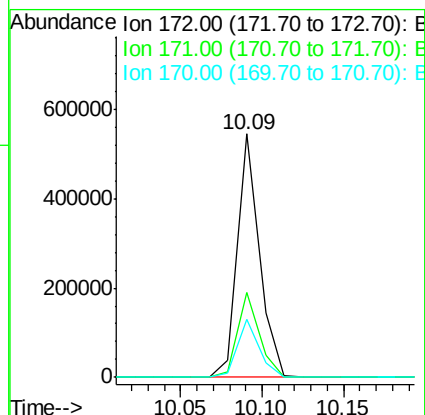
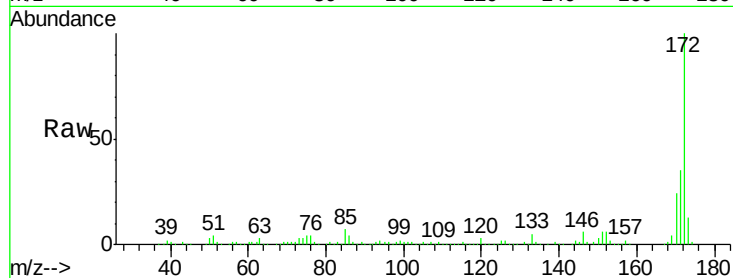




#44
2-Fluorobiphenyl
Concen: 71.34 ng
RT: 10.09 min Scan# 779
Delta R.T. -0.00 min
Lab File: BF079329.D
Acq: 19 May 2015 3:29

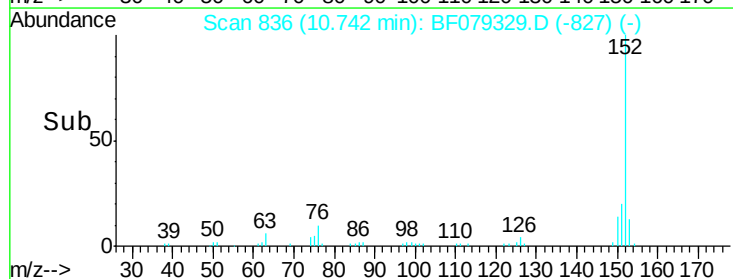
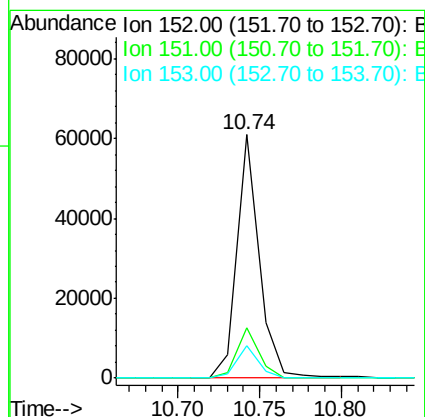
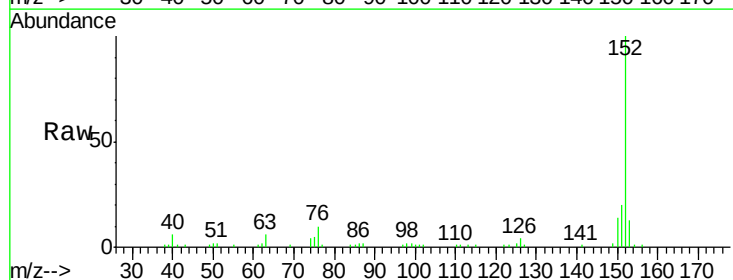
Instrument :
BNA_F
ClientSampleId :
WC-05-D1

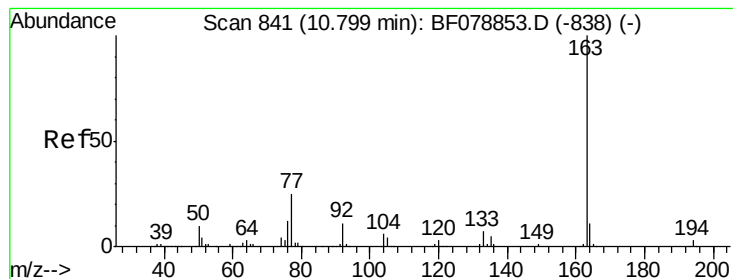
Tot Ion:172 Resp: 503620
Ion Ratio Lower Upper
172 100
171 34.9 28.3 42.5
170 24.0 19.4 29.2



#48
Acenaphthylene
Concen: 5.72 ng
RT: 10.74 min Scan# 836
Delta R.T. -0.00 min
Lab File: BF079329.D
Acq: 19 May 2015 3:29

Tgt Ion:152 Resp: 57306
Ion Ratio Lower Upper
152 100
151 20.4 16.6 24.8
153 13.3 11.0 16.6





#49

Dimethylphthalate

Concen: 4.57 ng

RT: 10.59 min Scan# 823

Delta R.T. -0.01 min

Lab File: BF079329.D

Acq: 19 May 2015 3:29

Instrument :

BNA_F

ClientSampleId :

WC-05-D1

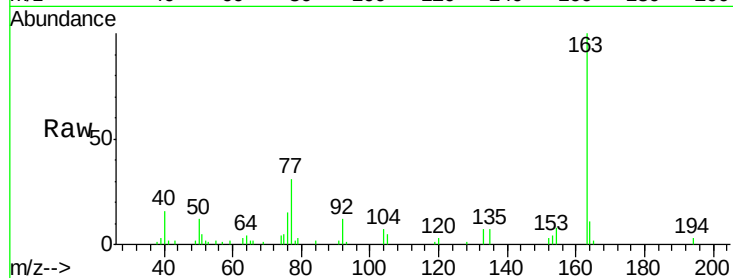
Tot Ion:163 Resp: 32994

Ion Ratio Lower Upper

163 100

194 2.9 2.4 3.6

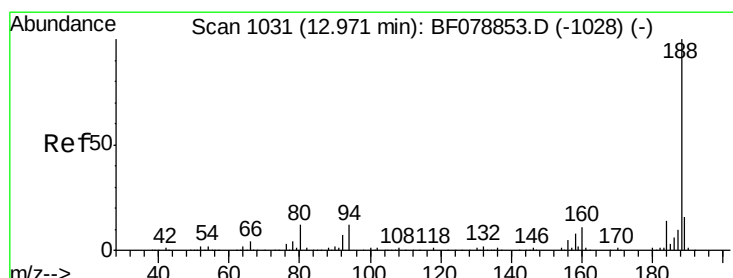
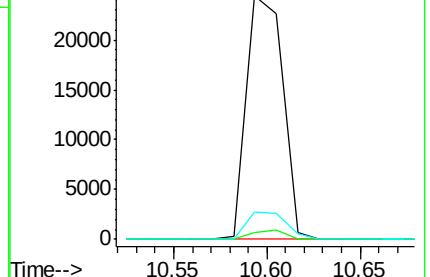
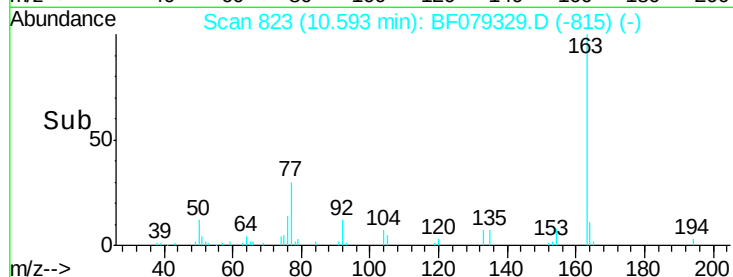
164 11.0 8.6 12.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.77 min Scan# 1013

Delta R.T. 0.01 min

Lab File: BF079329.D

Acq: 19 May 2015 3:29

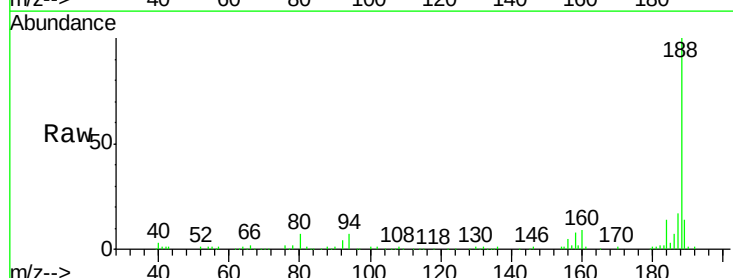
Tgt Ion:188 Resp: 192566

Ion Ratio Lower Upper

188 100

94 7.1 9.4 14.0#

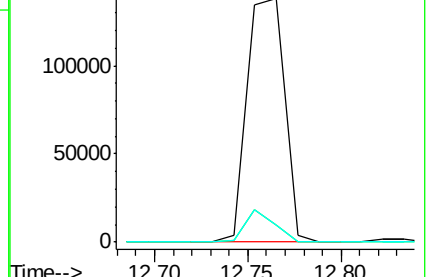
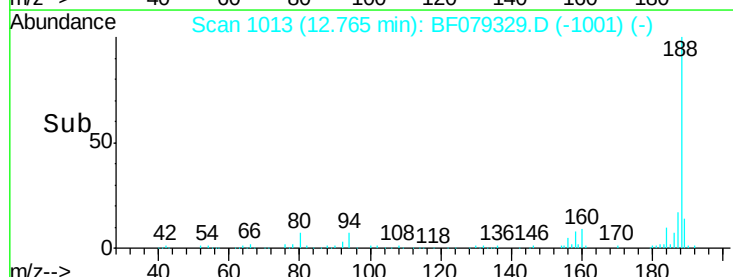
80 7.0 9.8 14.6#

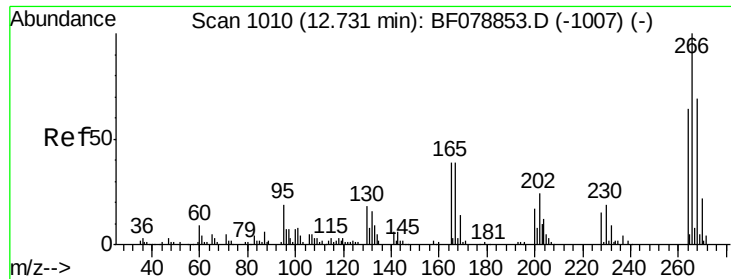


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

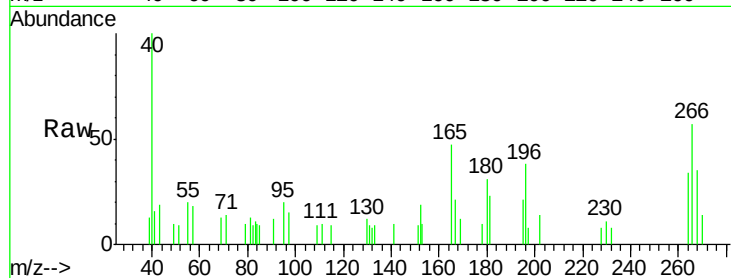




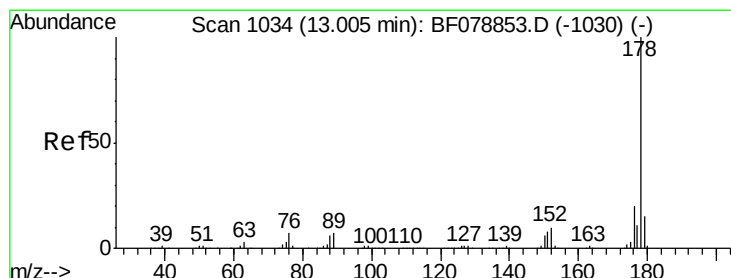
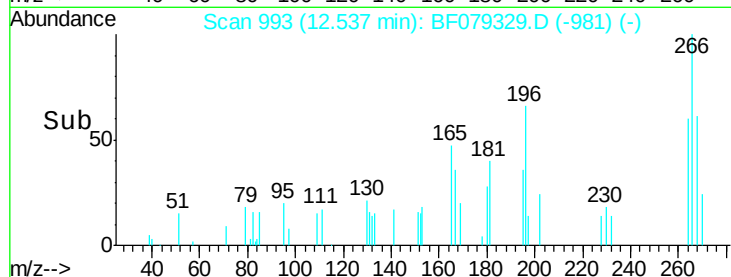
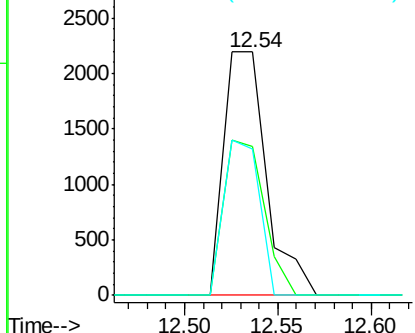
#69
 Pentachlorophenol
 Concen: 9.25 ng
 RT: 12.54 min Scan# 993
 Delta R.T. 0.01 min
 Lab File: BF079329.D
 Acq: 19 May 2015 3:29

Instrument :
 BNA_F
 ClientSampleId :
 WC-05-D1

Tot Ion:266 Resp: 3533
 Ion Ratio Lower Upper
 266 100
 268 61.3 55.0 82.6
 264 60.1 50.9 76.3

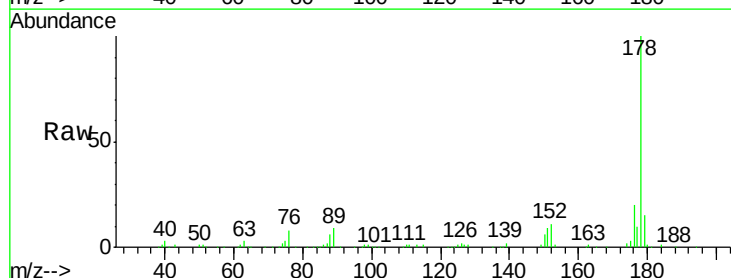


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

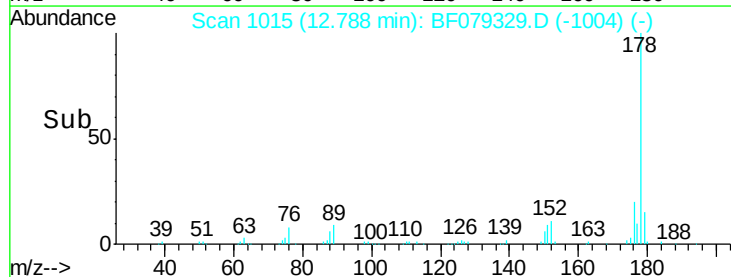
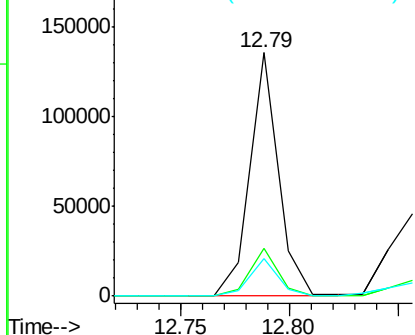


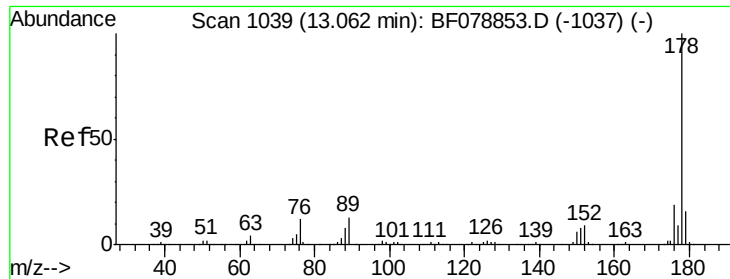
#70
 Phenanthrene
 Concen: 11.55 ng
 RT: 12.79 min Scan# 1015
 Delta R.T. -0.00 min
 Lab File: BF079329.D
 Acq: 19 May 2015 3:29

Tgt Ion:178 Resp: 124387
 Ion Ratio Lower Upper
 178 100
 176 19.7 15.9 23.9
 179 15.2 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

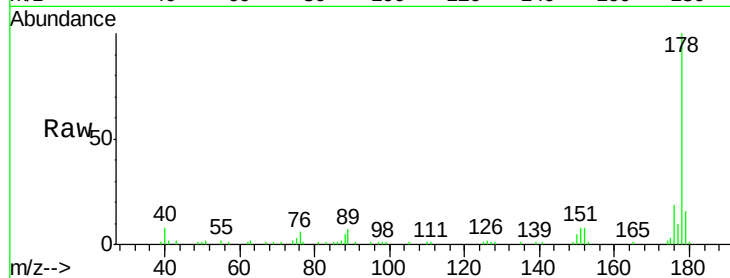




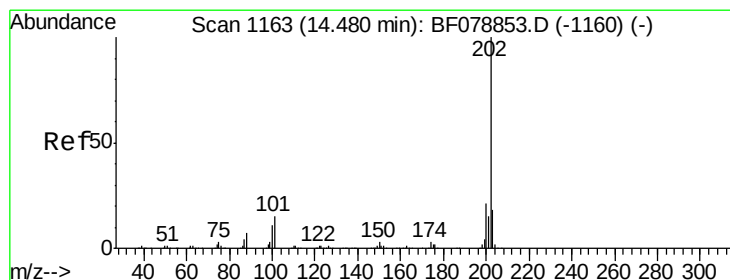
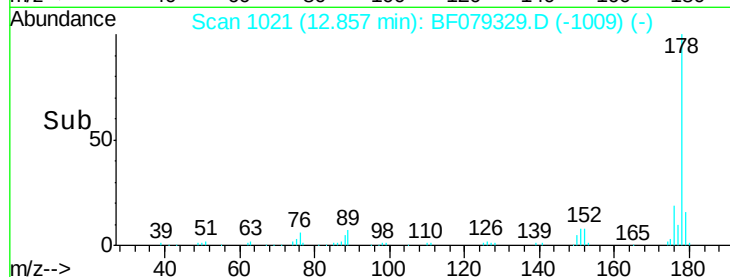
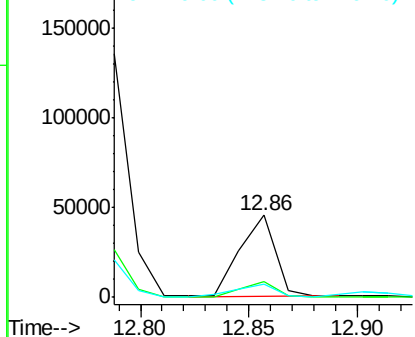
#71
 Anthracene
 Concen: 4.83 ng
 RT: 12.86 min Scan# 1021
 Delta R.T. 0.01 min
 Lab File: BF079329.D
 Acq: 19 May 2015 3:29

Instrument :
 BNA_F
 ClientSampleId :
 WC-05-D1

Tot Ion:178 Resp: 51041
 Ion Ratio Lower Upper
 178 100
 176 18.8 15.3 22.9
 179 15.6 12.6 19.0

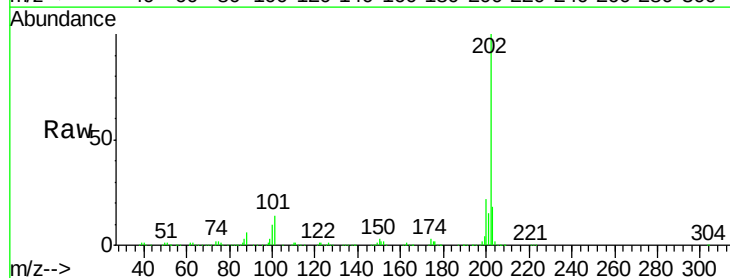


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

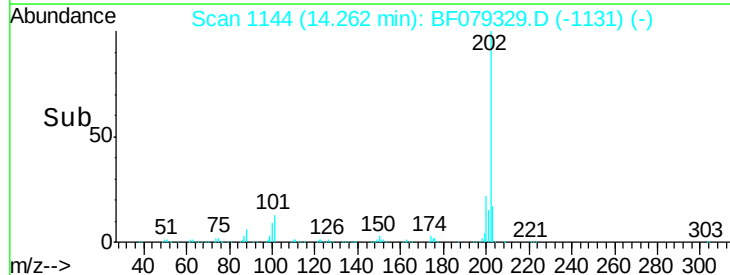
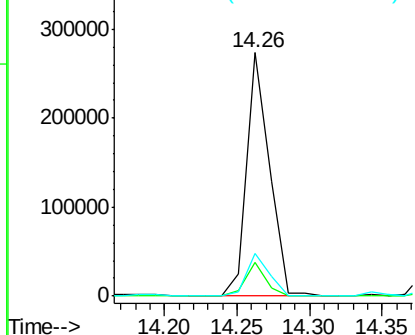


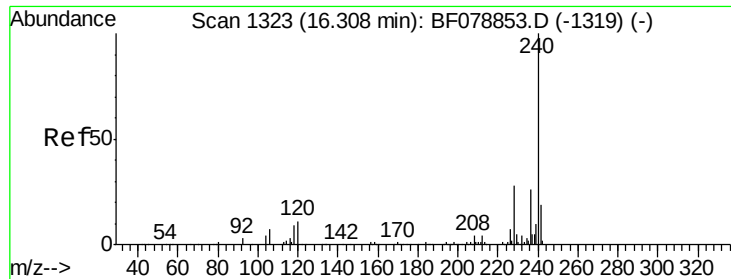
#74
 Fluoranthene
 Concen: 26.35 ng
 RT: 14.26 min Scan# 1144
 Delta R.T. -0.00 min
 Lab File: BF079329.D
 Acq: 19 May 2015 3:29

Tgt Ion:202 Resp: 295765
 Ion Ratio Lower Upper
 202 100
 101 13.8 0.0 34.7
 203 17.7 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

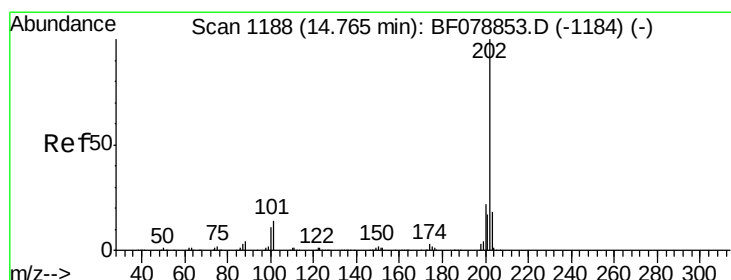
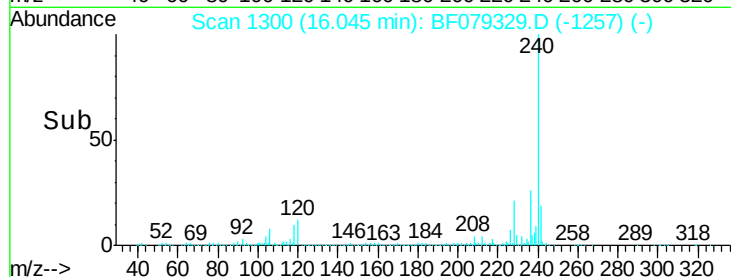
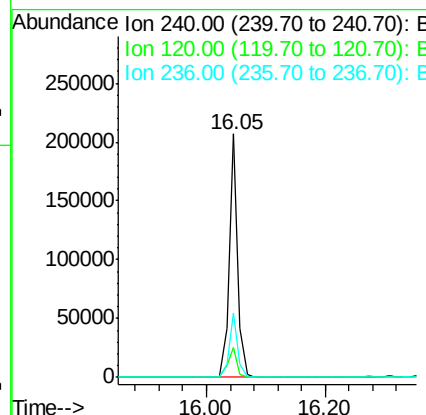
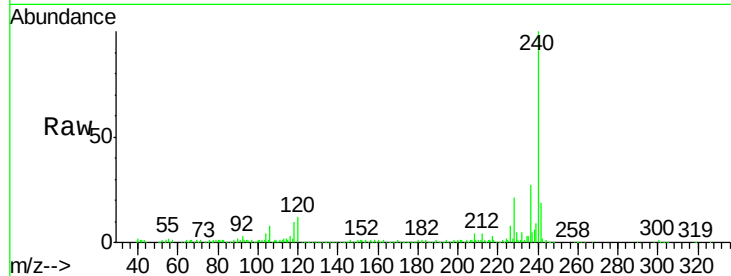




#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.05 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF079329.D
Acq: 19 May 2015 3:29

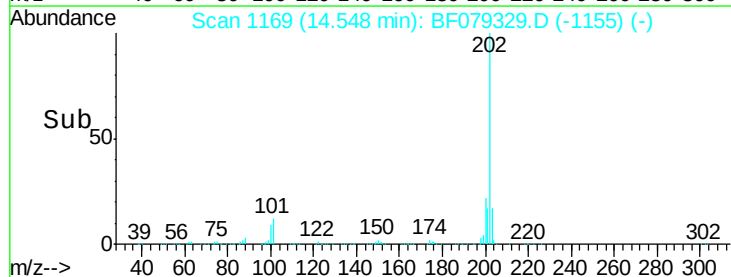
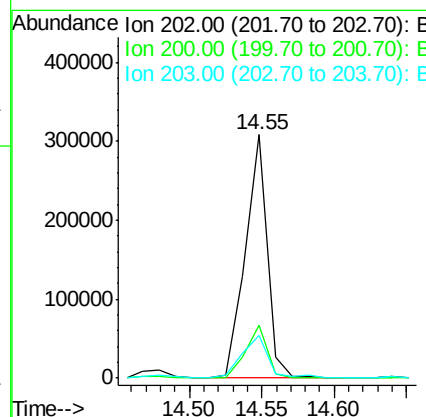
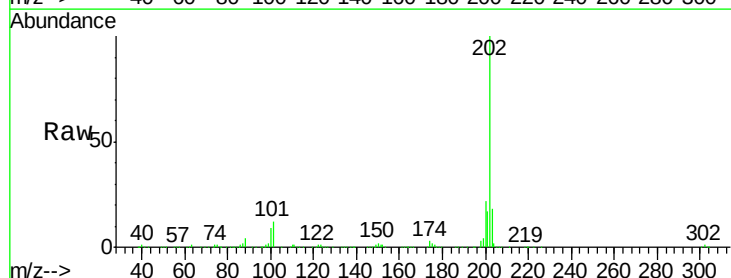
Instrument :
BNA_F
ClientSampleId :
WC-05-D1

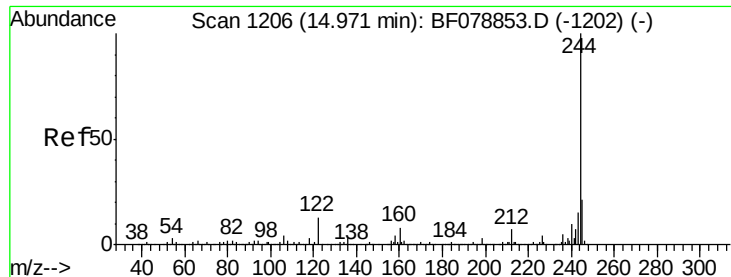
Tot Ion:240 Resp: 205601
Ion Ratio Lower Upper
240 100
120 12.0 8.6 12.8
236 26.6 21.0 31.6



#77
Pyrene
Concen: 27.16 ng
RT: 14.55 min Scan# 1169
Delta R.T. 0.01 min
Lab File: BF079329.D
Acq: 19 May 2015 3:29

Tgt Ion:202 Resp: 321772
Ion Ratio Lower Upper
202 100
200 21.6 17.5 26.3
203 17.7 14.7 22.1





#78

Terphenyl-d14

Concen: 69.02 ng

RT: 14.75 min Scan# 1187

Delta R.T. -0.00 min

Lab File: BF079329.D

Acq: 19 May 2015 3:29

Instrument :

BNA_F

ClientSampleId :

WC-05-D1

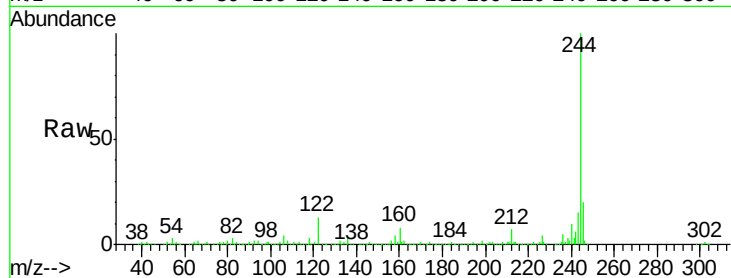
Tot Ion:244 Resp: 592703

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

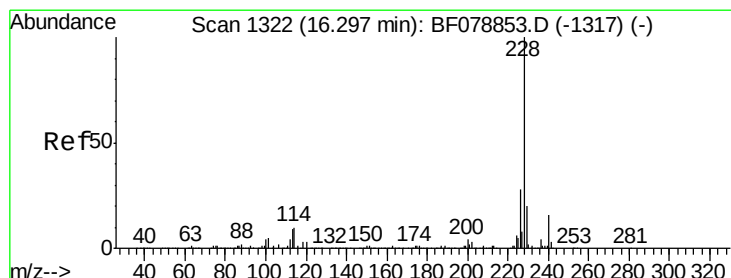
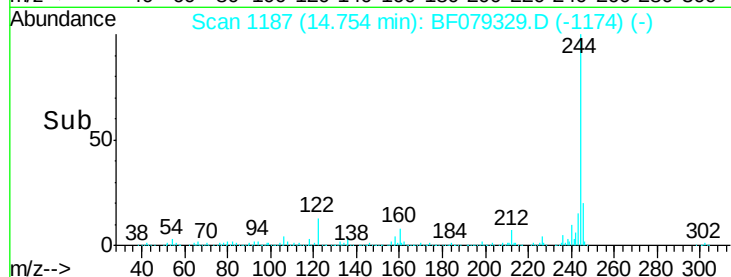
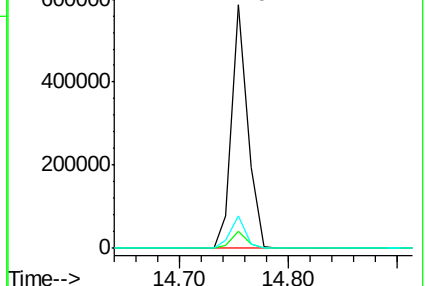
122 13.5 10.5 15.7



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 20.21 ng m

RT: 16.03 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BF079329.D

Acq: 19 May 2015 3:29

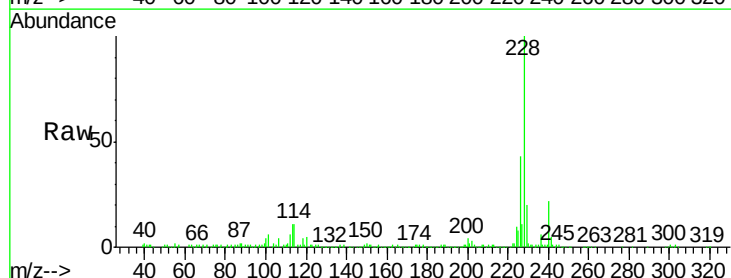
Tgt Ion:228 Resp: 227549

Ion Ratio Lower Upper

228 100

226 43.3 22.3 33.5#

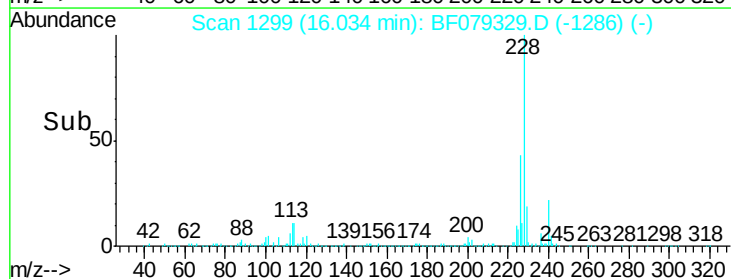
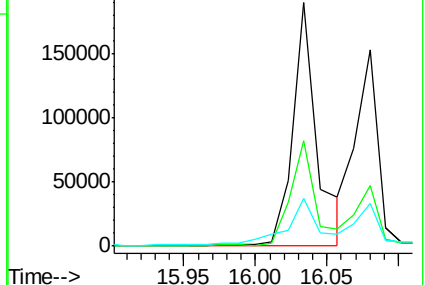
229 19.8 16.1 24.1

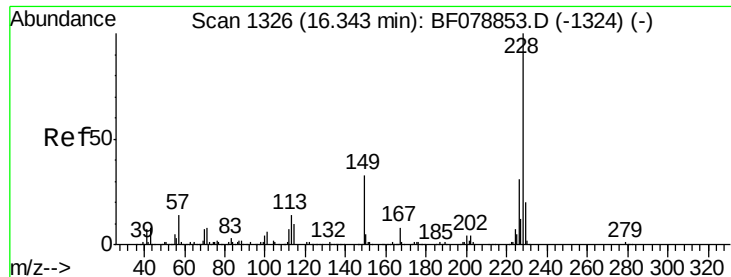


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 15.32 ng

RT: 16.08 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF079329.D

Acq: 19 May 2015 3:29

Instrument :

BNA_F

ClientSampleId :

WC-05-D1

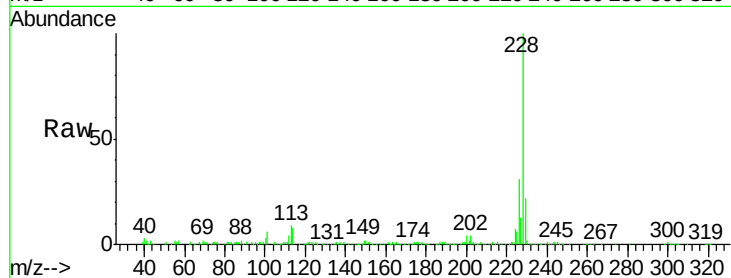
Tot Ion:228 Resp: 165907

Ion Ratio Lower Upper

228 100

226 30.8 24.8 37.2

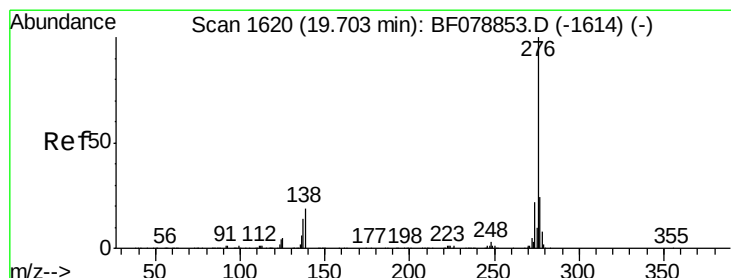
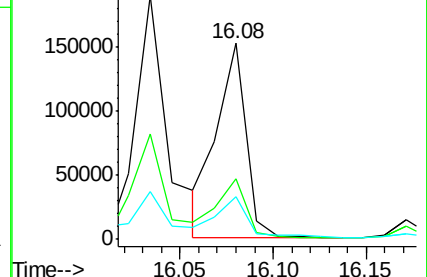
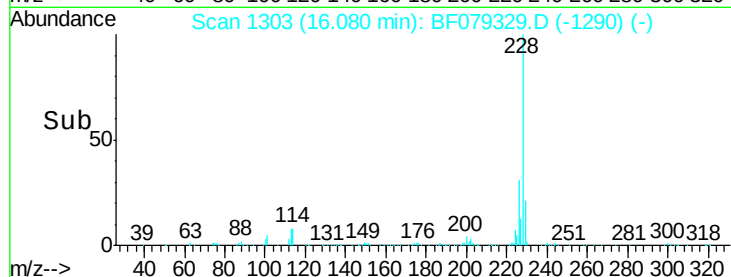
229 21.9 16.1 24.1



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: 13.32 ng

RT: 19.14 min Scan# 1571

Delta R.T. -0.13 min

Lab File: BF079329.D

Acq: 19 May 2015 3:29

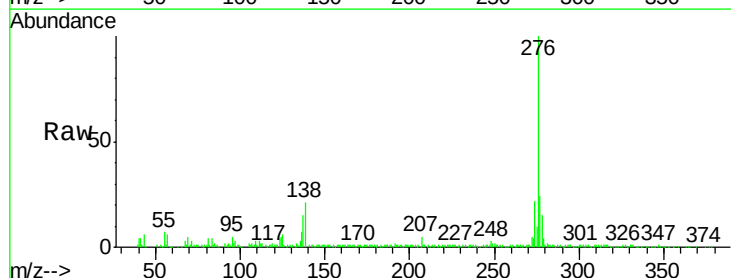
Tgt Ion:276 Resp: 183723

Ion Ratio Lower Upper

276 100

138 22.8 21.1 31.7

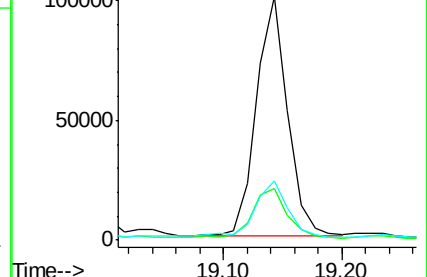
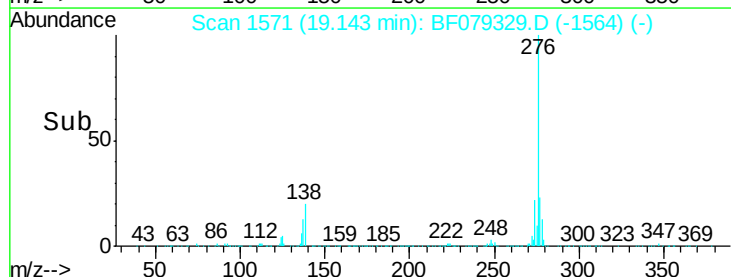
277 25.9 19.9 29.9

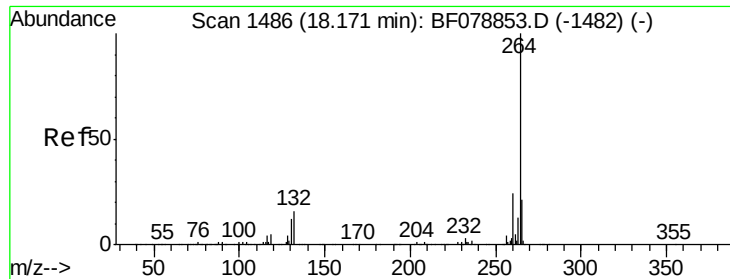


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

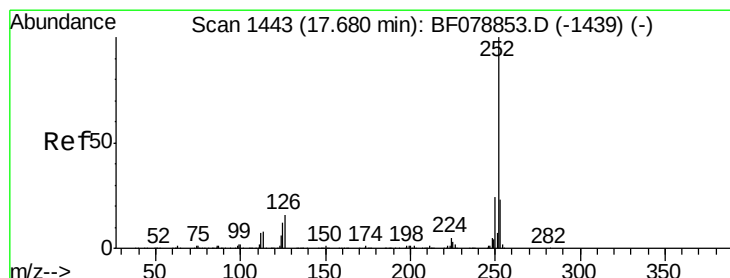
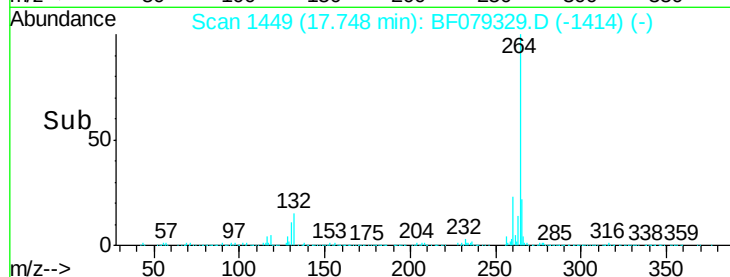
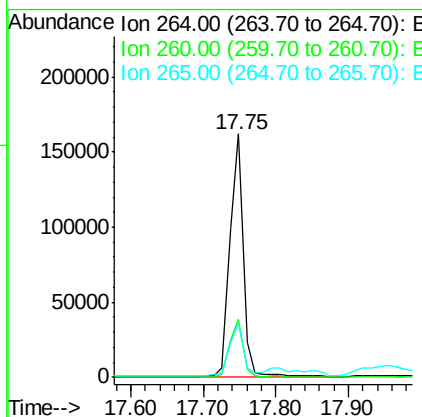
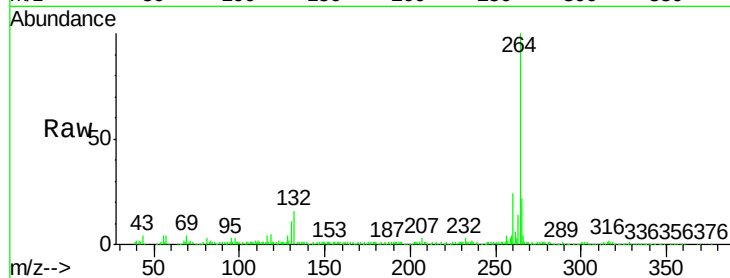




#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.75 min Scan# 1449
Delta R.T. -0.10 min
Lab File: BF079329.D
Acq: 19 May 2015 3:29

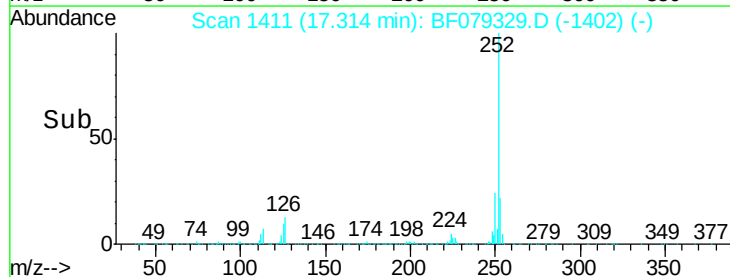
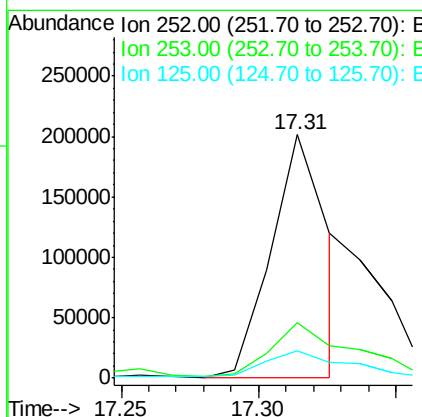
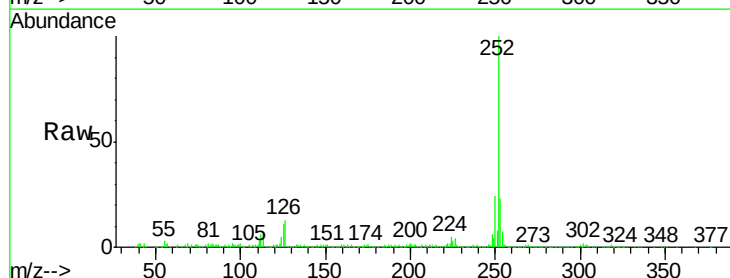
Instrument :
BNA_F
ClientSampleId :
WC-05-D1

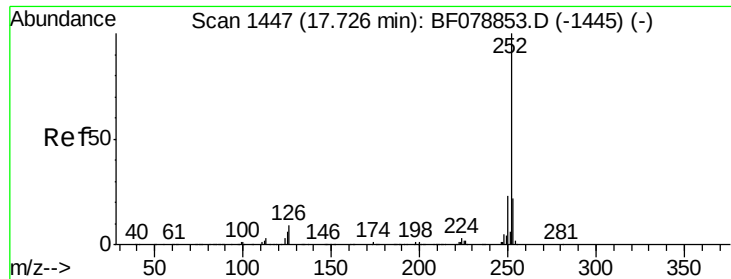
Tot Ion:264 Resp: 207315
Ion Ratio Lower Upper
264 100
260 23.7 19.2 28.8
265 22.2 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 25.23 ng m
RT: 17.31 min Scan# 1411
Delta R.T. -0.08 min
Lab File: BF079329.D
Acq: 19 May 2015 3:29

Tgt Ion:252 Resp: 286314
Ion Ratio Lower Upper
252 100
253 22.6 18.1 27.1
125 11.0 9.4 14.2

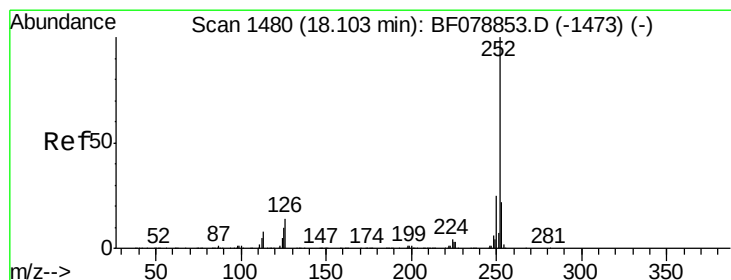
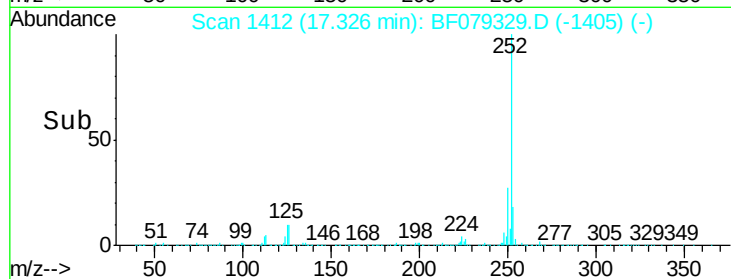
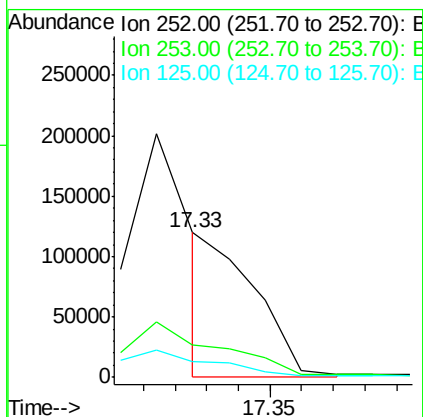
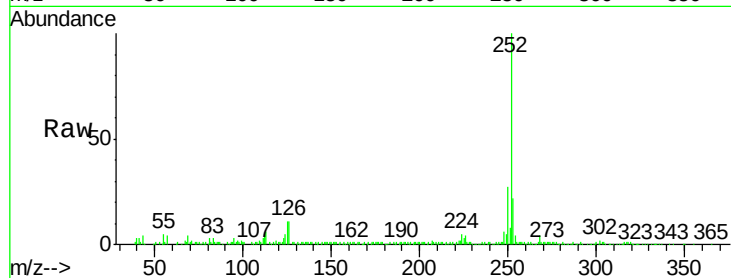




#88
Benzo(k)fluoranthene
Concen: 10.62 ng m
RT: 17.33 min Scan# 1412
Delta R.T. -0.10 min
Lab File: BF079329.D
Acq: 19 May 2015 3:29

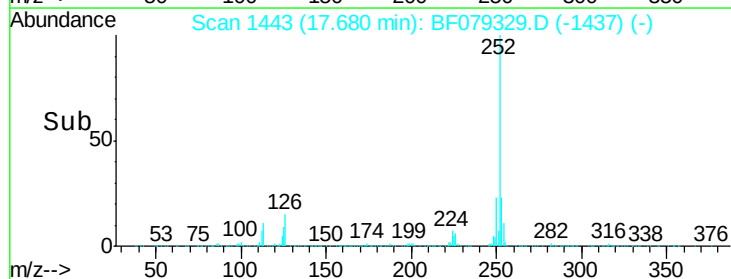
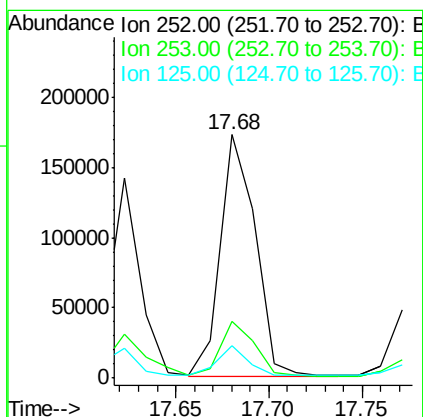
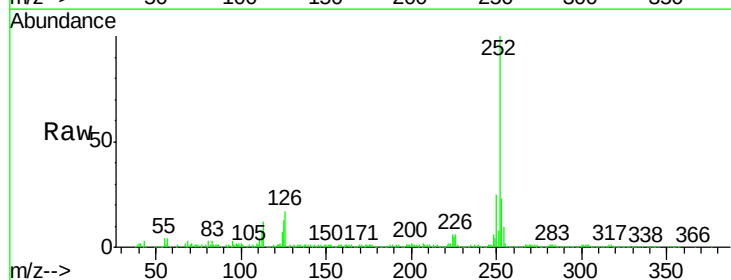
Instrument :
BNA_F
ClientSampleId :
WC-05-D1

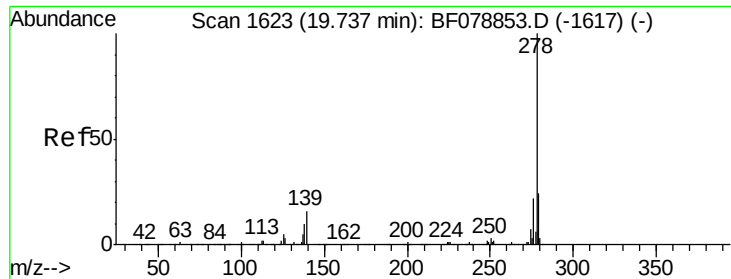
Tot Ion:252 Resp: 116621
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.0
125 10.9 6.1 9.1#



#89
Benzo(a)pyrene
Concen: 21.65 ng
RT: 17.68 min Scan# 1443
Delta R.T. -0.11 min
Lab File: BF079329.D
Acq: 19 May 2015 3:29

Tgt Ion:252 Resp: 226172
Ion Ratio Lower Upper
252 100
253 23.2 18.0 27.0
125 13.3 8.2 12.2#





#90

Dibenzo(a,h)anthracene

Concen: 3.48 ng/mL

RT: 19.15 min Scan# 1572

Delta R.T. -0.15 min

Lab File: BF079329.D

Acq: 19 May 2015 3:29

Instrument :

BNA_F

ClientSampleID :

WC-05-D1

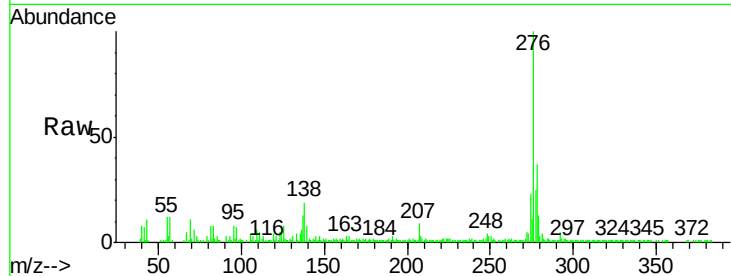
Tot Ion: 278 Resp: 38604

Ion Ratio Lower Upper

278 100

139 22.1 13.1 19.7#

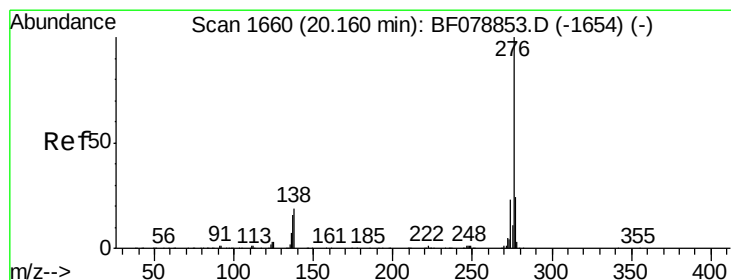
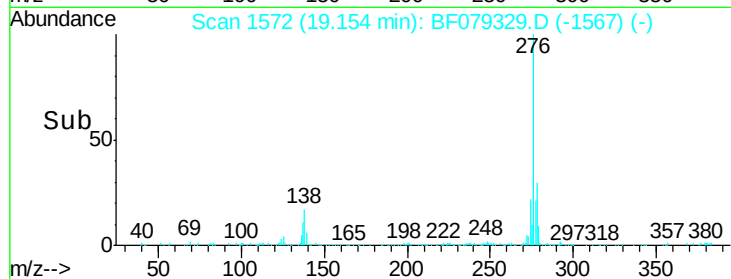
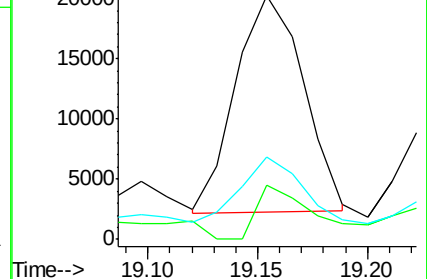
279 33.7 19.1 28.7#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 15.72 ng/mL

RT: 19.55 min Scan# 1607

Delta R.T. -0.14 min

Lab File: BF079329.D

Acq: 19 May 2015 3:29

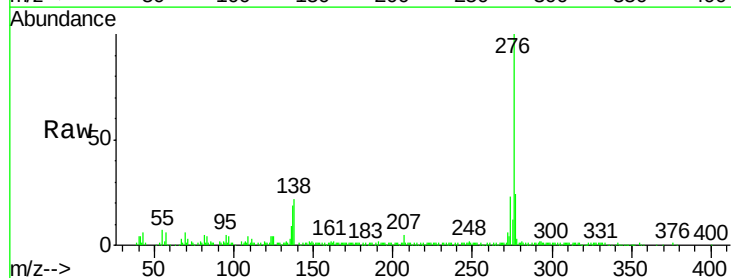
Tgt Ion: 276 Resp: 174923

Ion Ratio Lower Upper

276 100

277 24.3 18.8 28.2

138 22.2 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

