

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051415\
 Data File : BF079261.D
 Acq On : 15 May 2015 7:55
 Operator : TP/IZ
 Sample : G2215-06 DL 2X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-41DDL

Quant Time: May 15 09:07:40 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 07:00:11 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.21	152	46818	20.00	ng	-0.01
21) Naphthalene-d8	8.79	136	192064	20.00	ng	-0.01
38) Acenaphthene-d10	10.97	164	96815	20.00	ng	0.00
63) Phenanthrene-d10	12.81	188	196089	20.00	ng	0.00
75) Chrysene-d12	16.10	240	217189	20.00	ng	0.00
86) Perylene-d12	17.85	264	240552	20.00	ng	0.03

System Monitoring Compounds

5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	6.78	99	208518	58.00	ng	-0.01
23) Nitrobenzene-d5	7.91	82	120164	35.96	ng	0.00
41) 2,4,6-Tribromophenol	11.94	330	60140	57.42	ng	-0.01
44) 2-Fluorobiphenyl	10.14	172	232231	33.42	ng	0.00
78) Terphenyl-d14	14.80	244	276063	30.43	ng	-0.01

Target Compounds

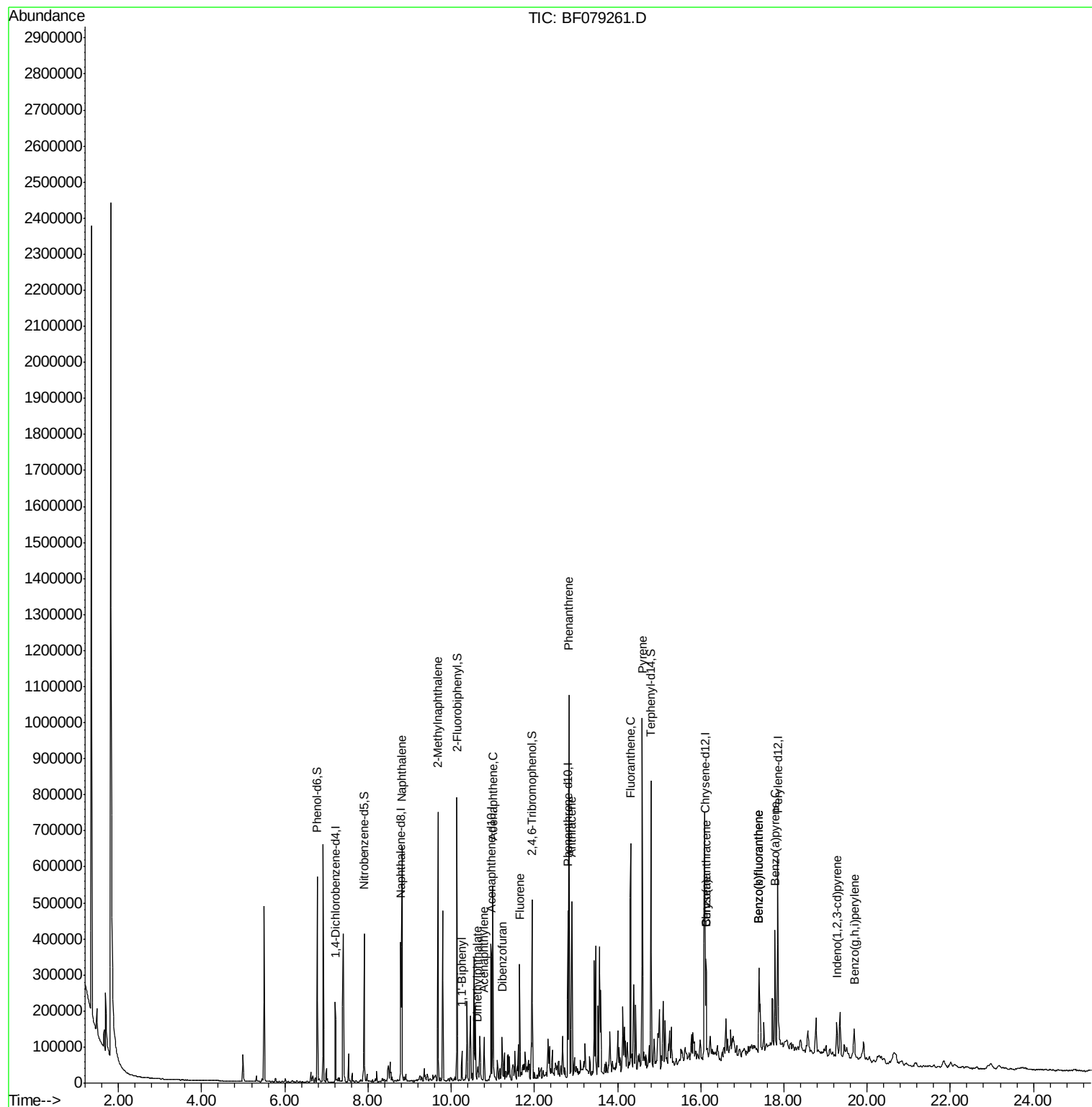
						Qvalue
31) Naphthalene	8.82	128	356851	38.99	ng	99
37) 2-Methylnaphthalene	9.68	142	201627	31.79	ng	97
45) 1,1'-Biphenyl	10.26	154	28183	3.66	ng	99
48) Acenaphthylene	10.79	152	26015	2.64	ng	# 93
49) Dimethylphthalate	10.64	163	15366	2.16	ng	96
51) Acenaphthene	11.00	154	114051	19.40	ng	98
54) Dibenzofuran	11.22	168	20640	2.43	ng	# 92
57) Fluorene	11.64	166	107633	15.44	ng	99
70) Phenanthrene	12.83	178	514300	46.88	ng	99
71) Anthracene	12.90	178	192753	17.91	ng	99
74) Fluoranthene	14.32	202	348021	30.45	ng	93
77) Pyrene	14.59	202	429038	34.28	ng	99
80) Benzo(a)anthracene	16.14	228	138676	11.66	ng	95
82) Chrysene	16.14	228	138107	12.07	ng	98
85) Indeno(1,2,3-cd)pyrene	19.27	276	73068	5.01	ng	95
87) Benzo(b)fluoranthene	17.39	252	206656	15.70	ng	98
88) Benzo(k)fluoranthene	17.39	252	206830	16.23	ng	# 94
89) Benzo(a)pyrene	17.78	252	147008	12.13	ng	99
91) Benzo(g,h,i)perylene	19.69	276	69595	5.39	ng	96

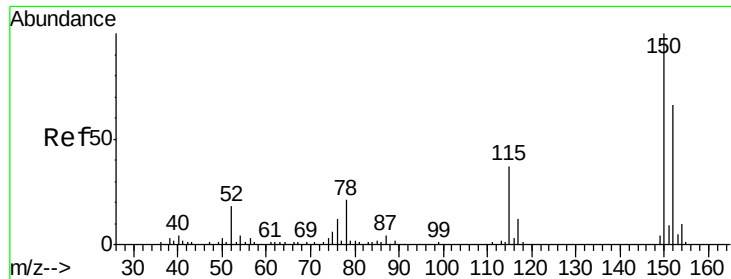
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF051415\
Data File : BF079261.D
Acq On : 15 May 2015 7:55
Operator : TP/IZ
Sample : G2215-06 DL 2X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-41DDL

Quant Time: May 15 09:07:40 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 07:00:11 2015
Response via : Initial Calibration

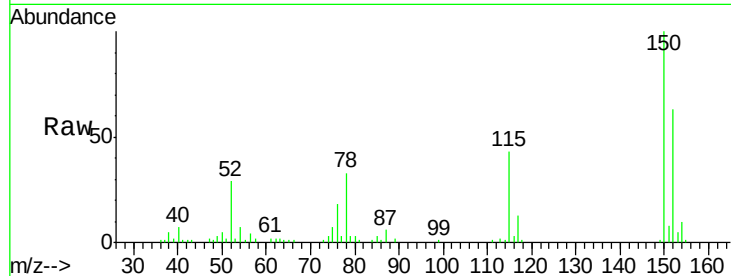




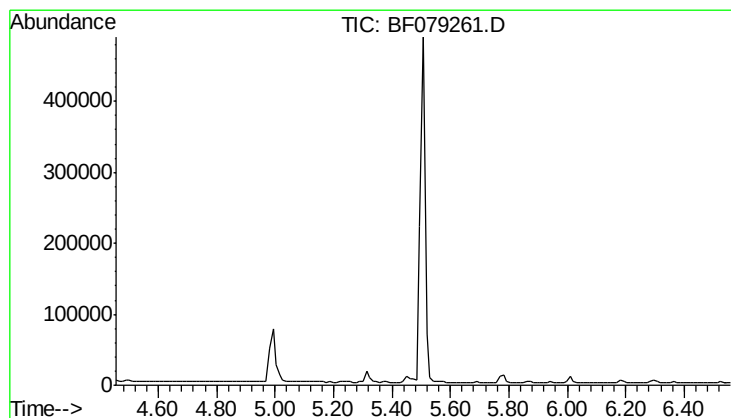
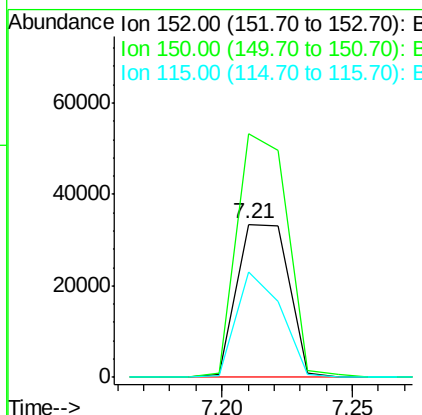
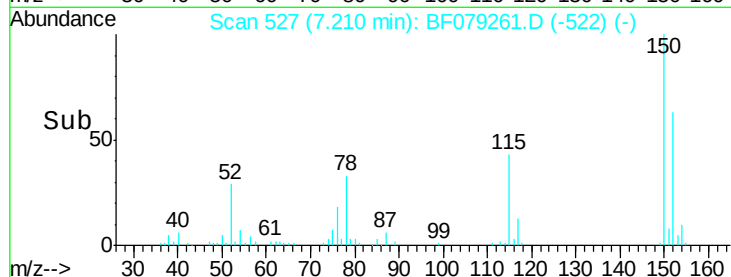
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.21 min Scan# 527
 Delta R.T. -0.01 min
 Lab File: BF079261.D
 Acq: 15 May 2015 7:55

Instrument :
 BNA_F
 ClientSampleId :
 SB-41DDL

Tgt Ion: 152 Resp: 46818
 Ion Ratio Lower Upper
 152 100
 150 159.4 123.8 185.8
 115 69.1 49.4 74.0

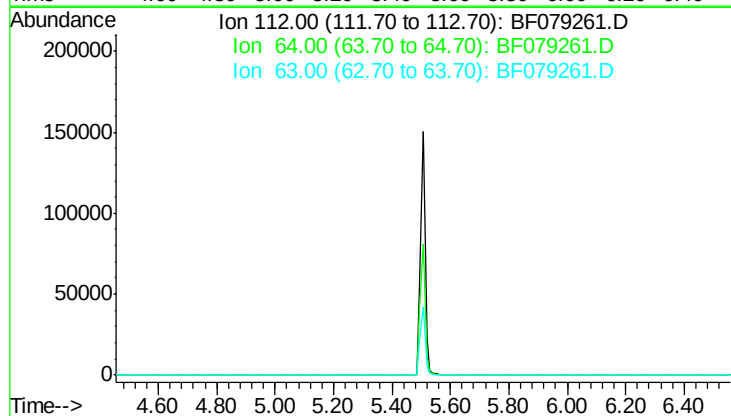


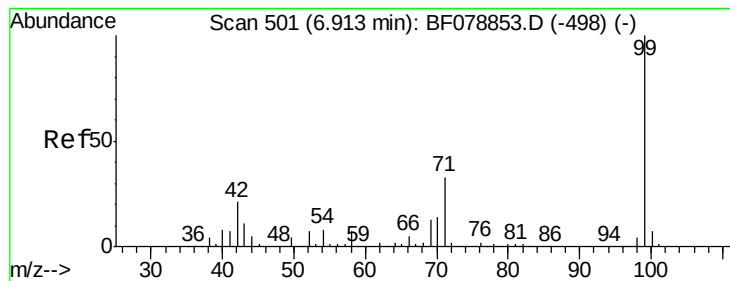
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 0.00 ng
 Expected RT: 5.51 min
 Lab File: BF079261.D
 Acq: 15 May 2015 7:55

Tgt Ion: 112
 Sig Exp Ratio
 112 100
 64 55.2
 63 28.4





#7

Phenol-d6

Concen: 58.00 ng

RT: 6.78 min Scan# 489

Delta R.T. -0.01 min

Lab File: BF079261.D

Acq: 15 May 2015 7:55

Instrument :

BNA_F

ClientSampleId :

SB-41DDL

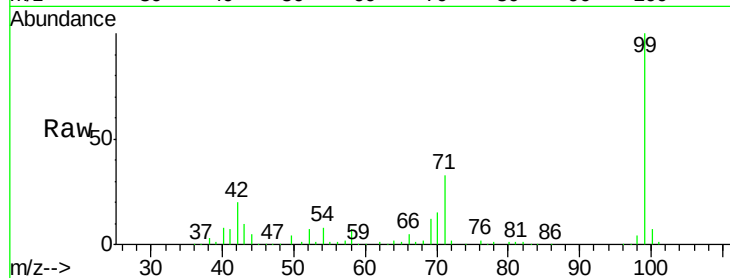
Tgt Ion: 99 Resp: 208518

Ion Ratio Lower Upper

99 100

42 20.0 17.1 25.7

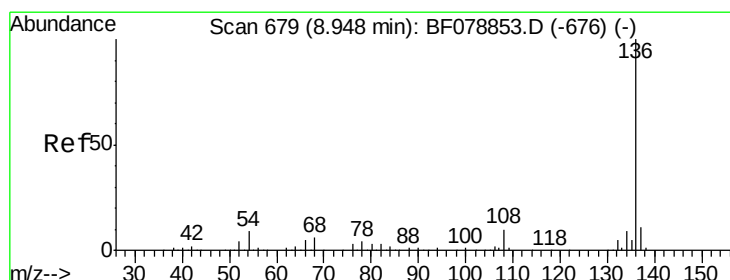
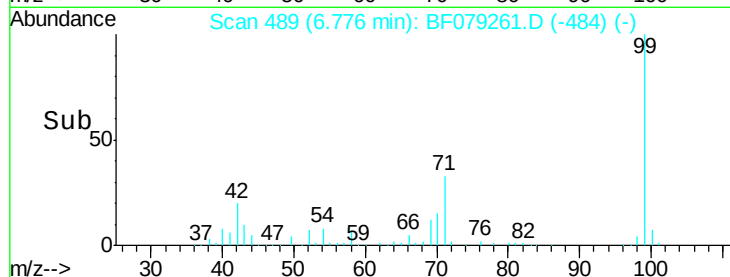
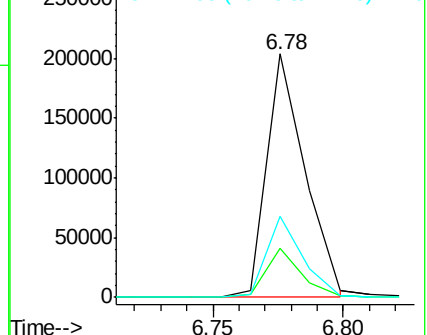
71 33.2 26.3 39.5



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: 8.79 min Scan# 665

Delta R.T. -0.01 min

Lab File: BF079261.D

Acq: 15 May 2015 7:55

Tgt Ion: 136 Resp: 192064

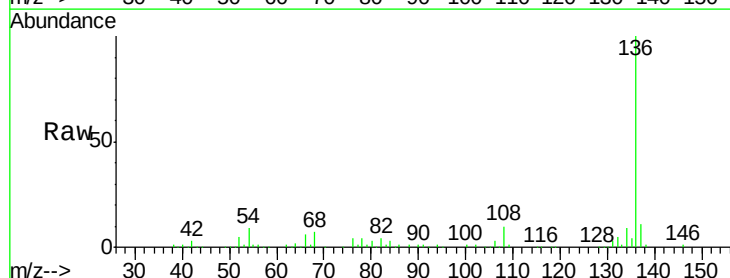
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 9.5 6.9 10.3

68 7.2 4.9 7.3

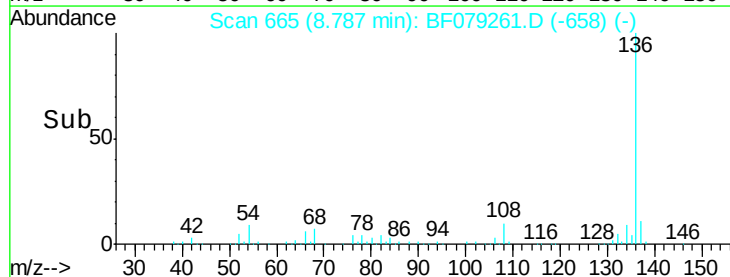
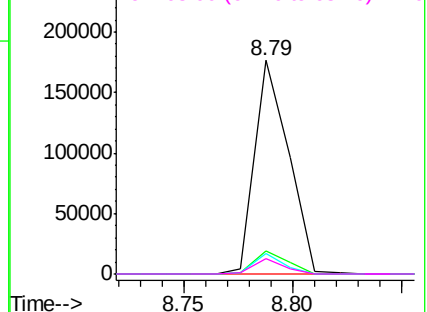


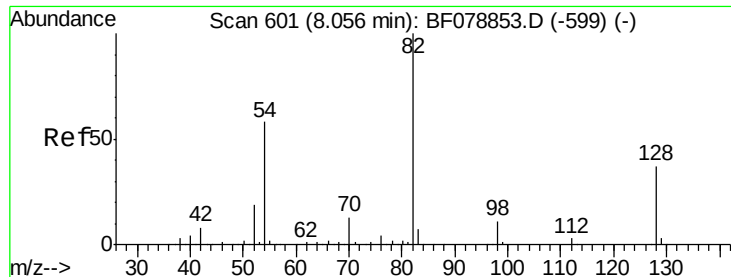
Abundance Ion 136.00 (135.70 to 136.70): E

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

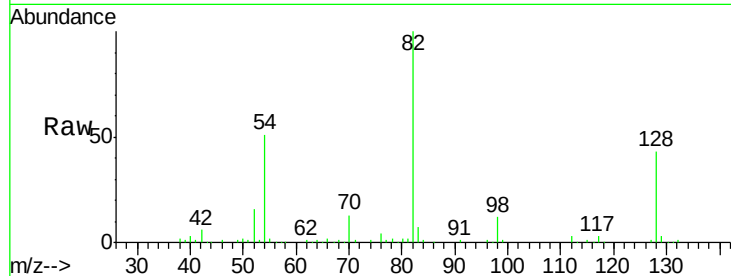




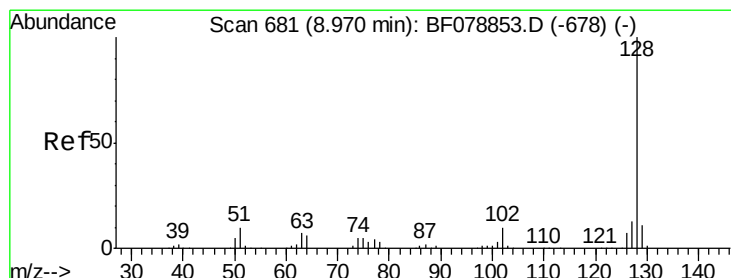
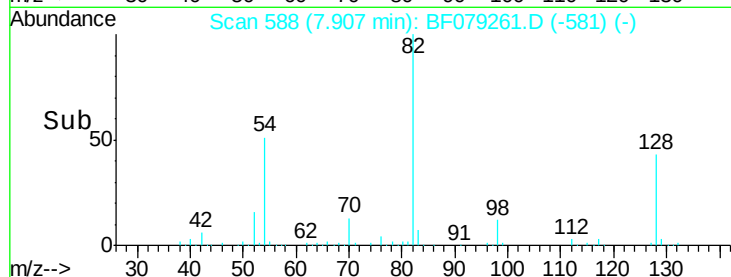
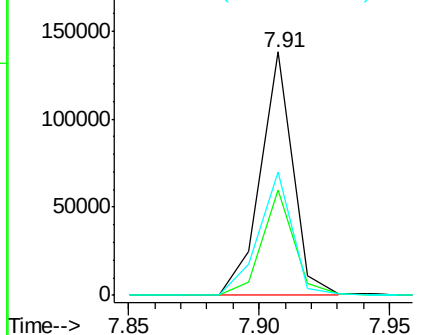
#23
 Nitrobenzene-d5
 Concen: 35.96 ng
 RT: 7.91 min Scan# 588
 Delta R.T. -0.00 min
 Lab File: BF079261.D
 Acq: 15 May 2015 7:55

Instrument :
 BNA_F
 ClientSampleID :
 SB-41DDL

Tgt Ion: 82 Resp: 120164
 Ion Ratio Lower Upper
 82 100
 128 43.5 29.7 44.5
 54 50.7 46.2 69.4

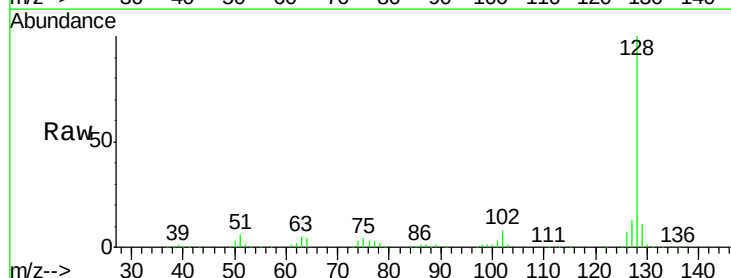


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

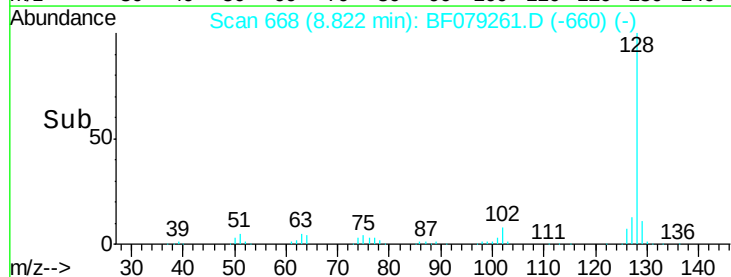
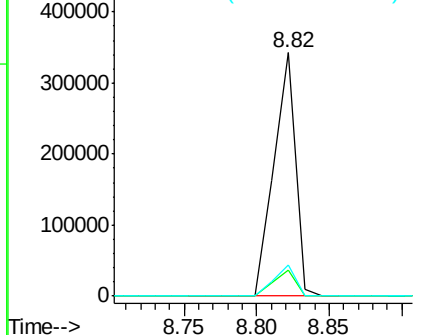


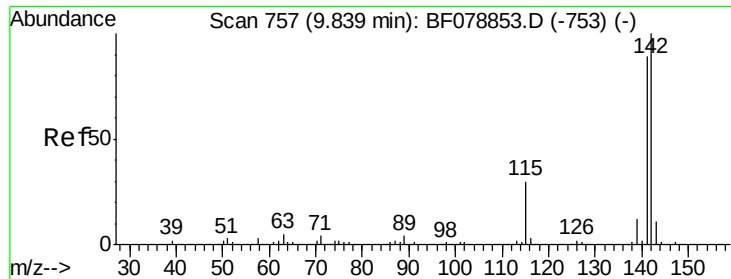
#31
 Naphthalene
 Concen: 38.99 ng
 RT: 8.82 min Scan# 668
 Delta R.T. -0.00 min
 Lab File: BF079261.D
 Acq: 15 May 2015 7:55

Tgt Ion: 128 Resp: 356851
 Ion Ratio Lower Upper
 128 100
 129 10.8 9.2 13.8
 127 12.9 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

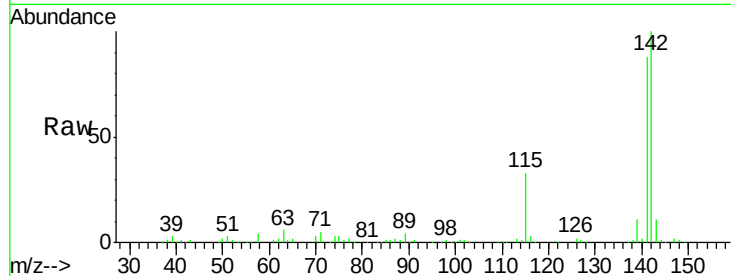




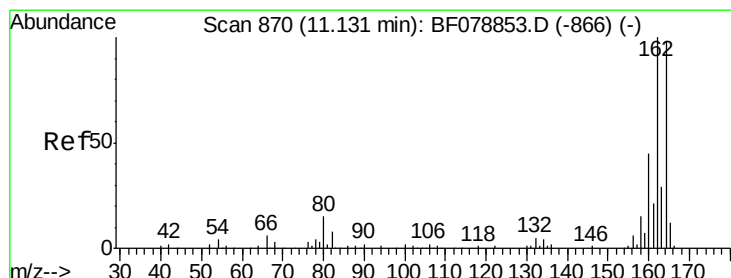
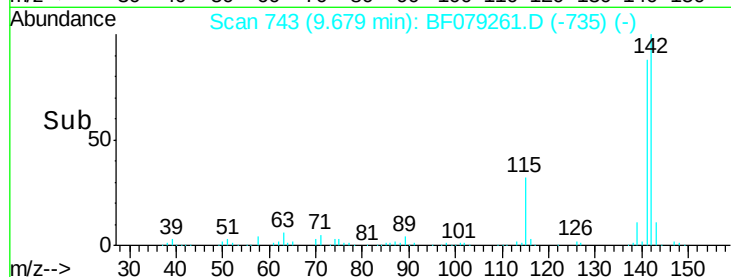
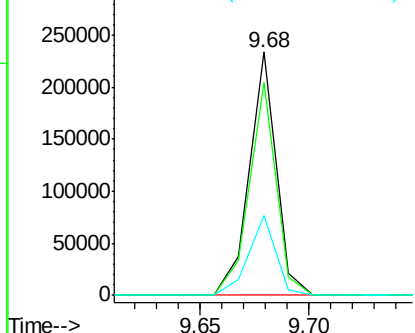
#37
 2-Methylnaphthalene
 Concen: 31.79 ng
 RT: 9.68 min Scan# 743
 Delta R.T. -0.00 min
 Lab File: BF079261.D
 Acq: 15 May 2015 7:55

Instrument :
 BNA_F
 ClientSampleID :
 SB-41DDL

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.7	71.6	107.4
115	32.7	24.2	36.4

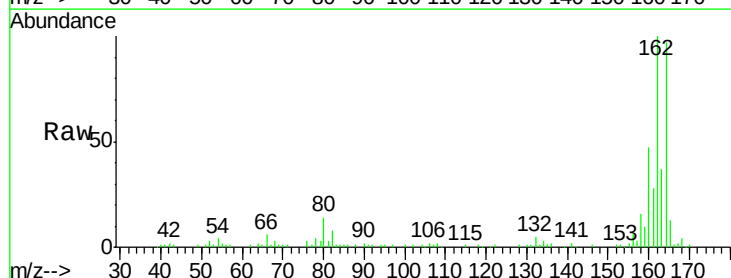


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

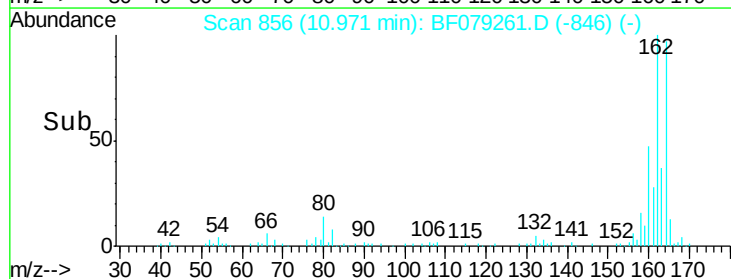
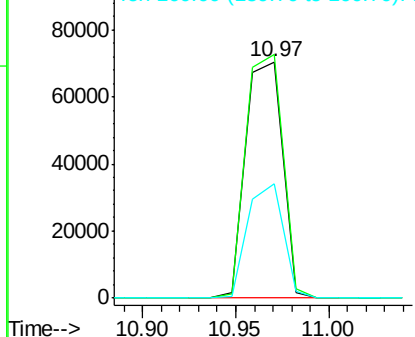


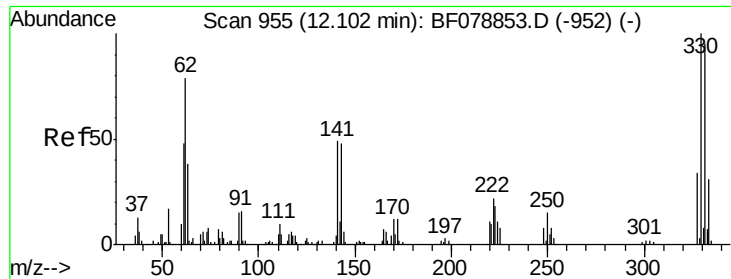
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.97 min Scan# 856
 Delta R.T. -0.00 min
 Lab File: BF079261.D
 Acq: 15 May 2015 7:55

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.9	81.4	122.0
160	48.4	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

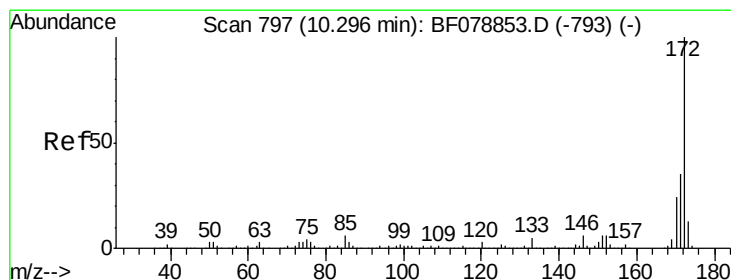
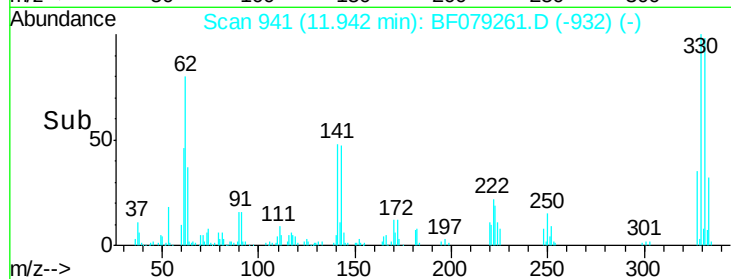
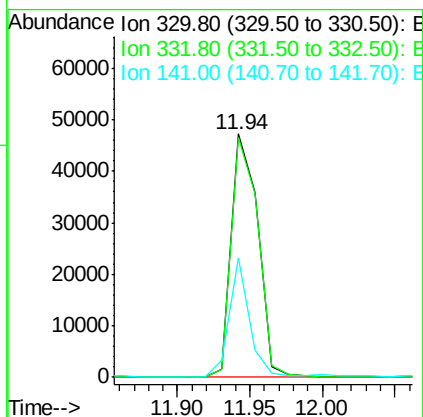
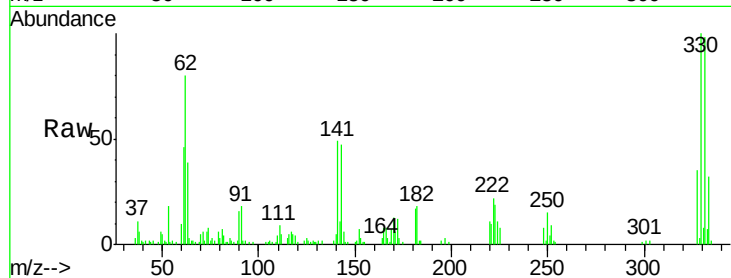




#41
 2,4,6-Tribromophenol
 Concen: 57.42 ng
 RT: 11.94 min Scan# 941
 Delta R.T. -0.01 min
 Lab File: BF079261.D
 Acq: 15 May 2015 7:55

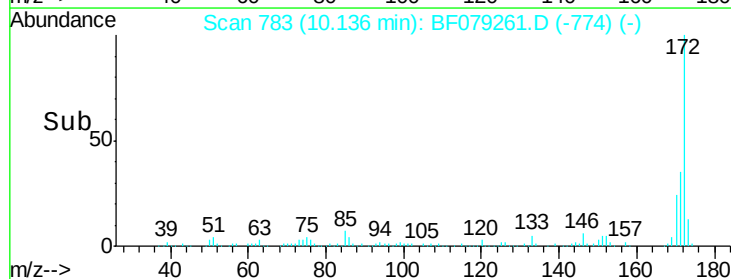
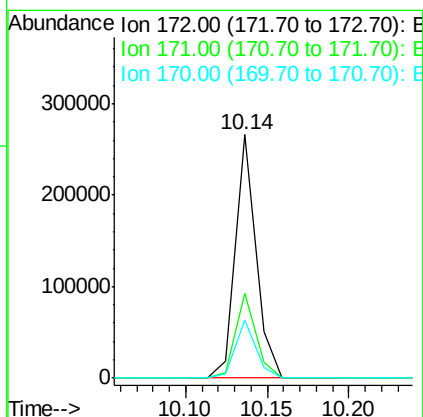
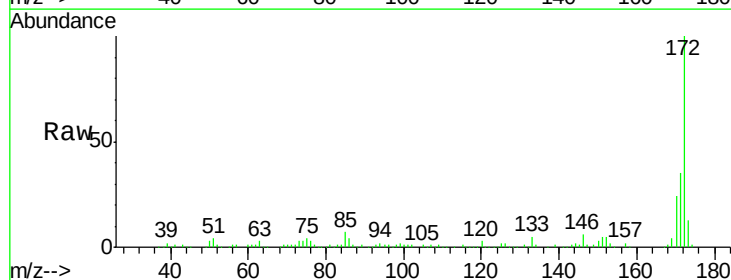
Instrument :
 BNA_F
 ClientSampleId :
 SB-41DDL

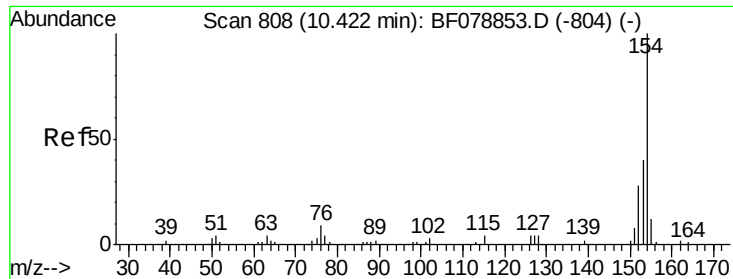
Tgt Ion:330 Resp: 60140
 Ion Ratio Lower Upper
 330 100
 332 99.1 76.9 115.3
 141 38.2 27.8 41.8



#44
 2-Fluorobiphenyl
 Concen: 33.42 ng
 RT: 10.14 min Scan# 783
 Delta R.T. -0.00 min
 Lab File: BF079261.D
 Acq: 15 May 2015 7:55

Tgt Ion:172 Resp: 232231
 Ion Ratio Lower Upper
 172 100
 171 34.6 28.3 42.5
 170 23.6 19.4 29.2

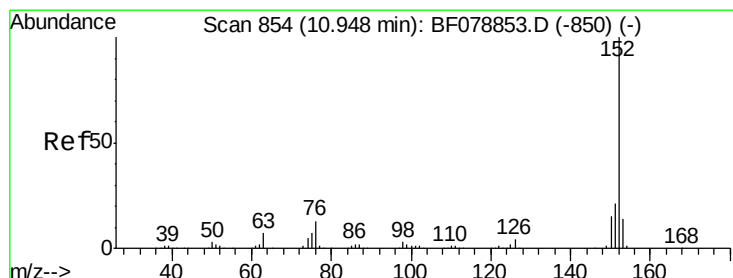
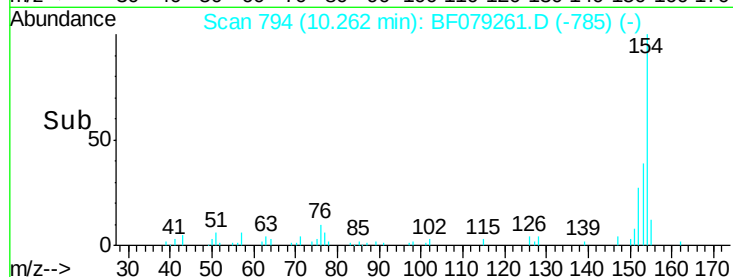
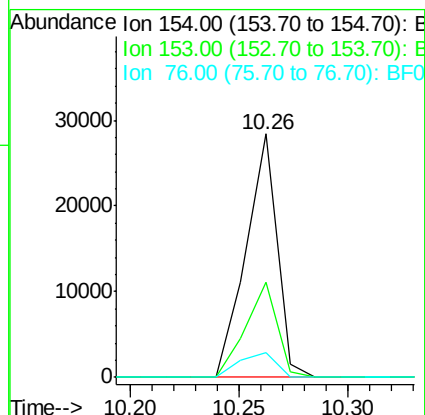
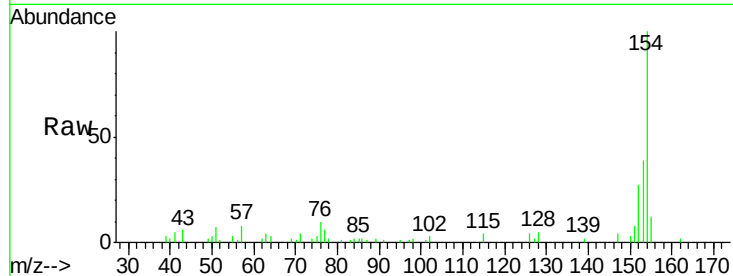




#45
 1,1'-Biphenyl
 Concen: 3.66 ng
 RT: 10.26 min Scan# 794
 Delta R.T. -0.00 min
 Lab File: BF079261.D
 Acq: 15 May 2015 7:55

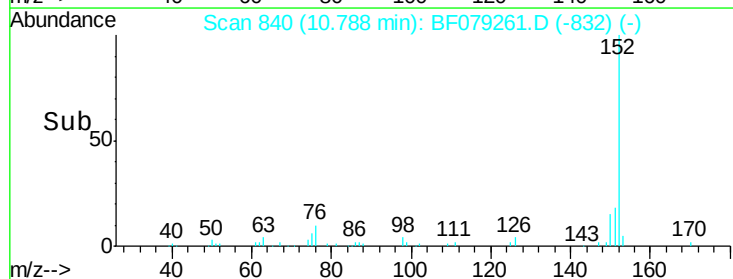
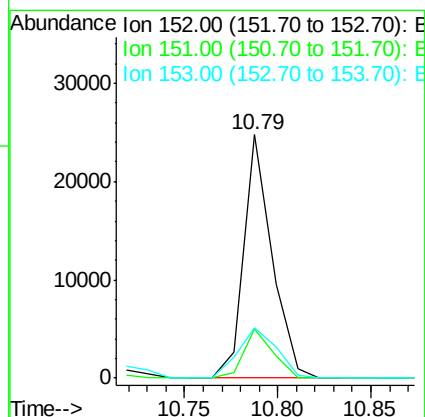
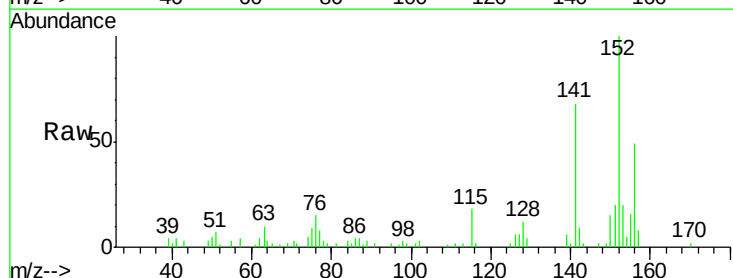
Instrument :
 BNA_F
 ClientSampleId :
 SB-41DDL

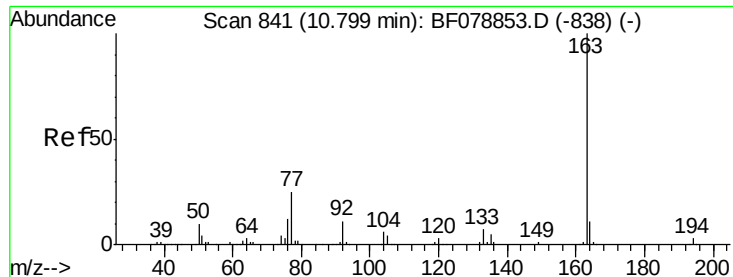
Tgt Ion:154 Resp: 28183
 Ion Ratio Lower Upper
 154 100
 153 39.3 19.7 59.7
 76 10.1 0.0 29.1



#48
 Acenaphthylene
 Concen: 2.64 ng
 RT: 10.79 min Scan# 840
 Delta R.T. -0.01 min
 Lab File: BF079261.D
 Acq: 15 May 2015 7:55

Tgt Ion:152 Resp: 26015
 Ion Ratio Lower Upper
 152 100
 151 20.3 16.6 24.8
 153 20.4 11.0 16.6#

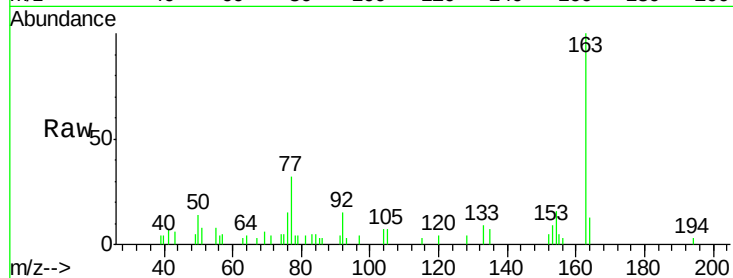




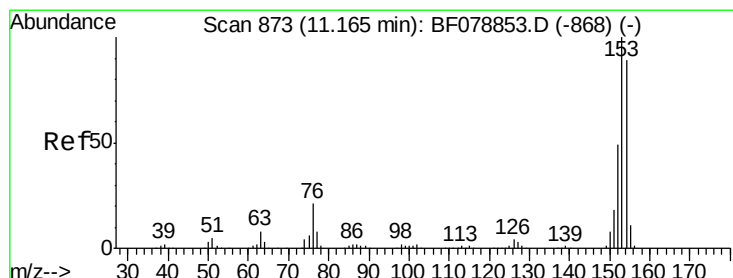
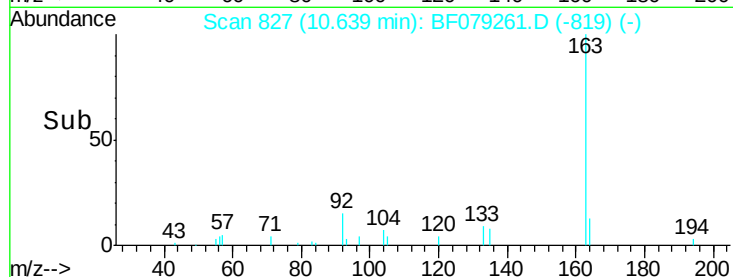
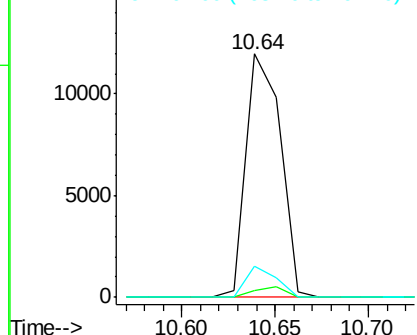
#49
Dimethylphthalate
Concen: 2.16 ng
RT: 10.64 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF079261.D
Acq: 15 May 2015 7:55

Instrument :
BNA_F
ClientSampleId :
SB-41DDL

Tgt Ion:163 Resp: 15366
Ion Ratio Lower Upper
163 100
194 2.7 2.4 3.6
164 12.8 8.6 12.8

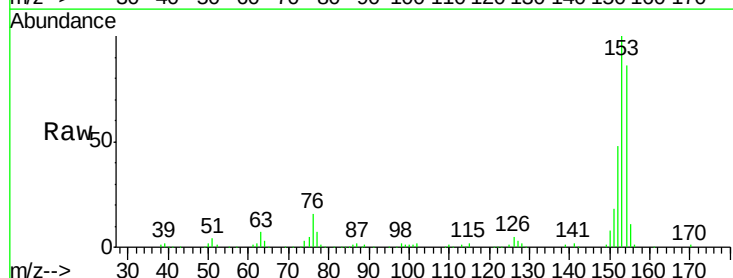


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

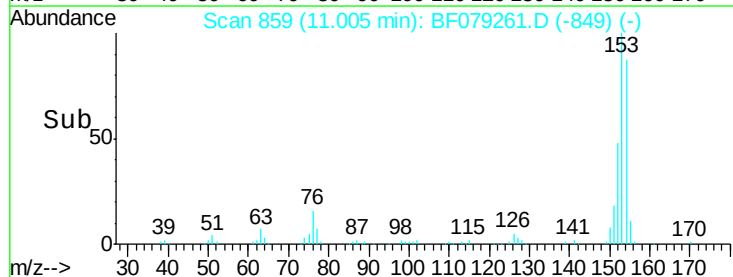
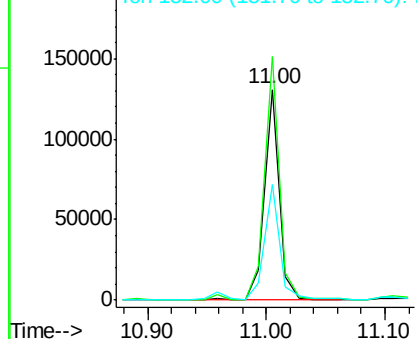


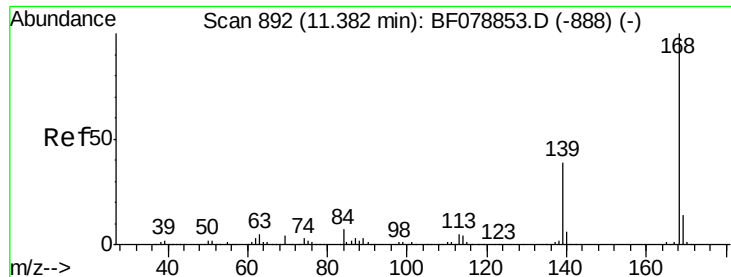
#51
Acenaphthene
Concen: 19.40 ng
RT: 11.00 min Scan# 859
Delta R.T. -0.00 min
Lab File: BF079261.D
Acq: 15 May 2015 7:55

Tgt Ion:154 Resp: 114051
Ion Ratio Lower Upper
154 100
153 115.6 90.2 135.2
152 55.1 43.8 65.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

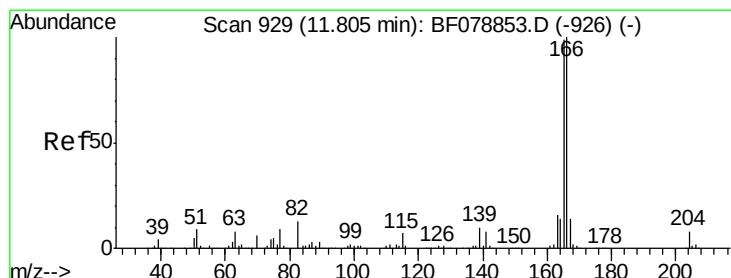
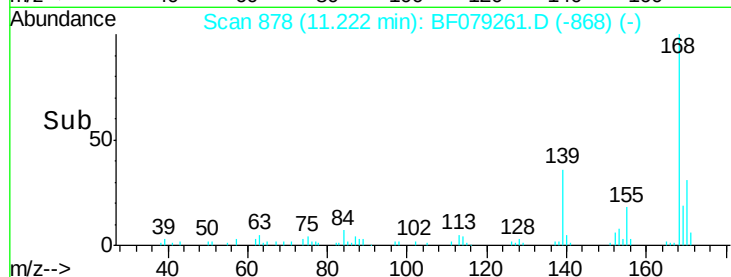
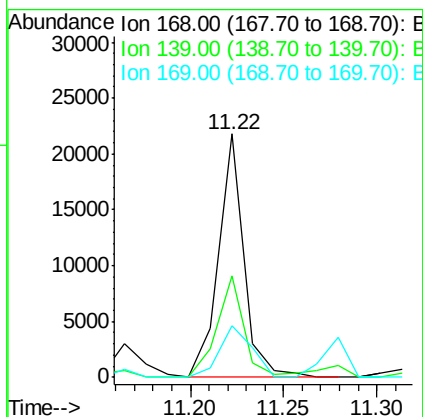
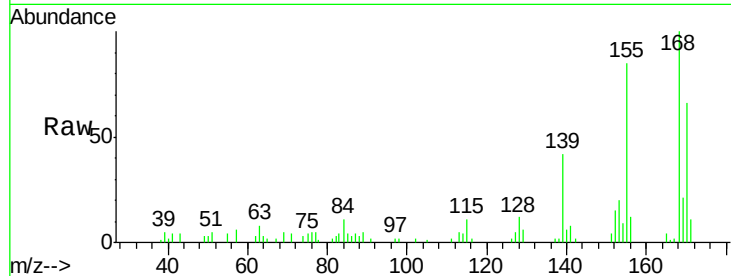




#54
Dibenzenofuran
Concen: 2.43 ng
RT: 11.22 min Scan# 878
Delta R.T. -0.00 min
Lab File: BF079261.D
Acq: 15 May 2015 7:55

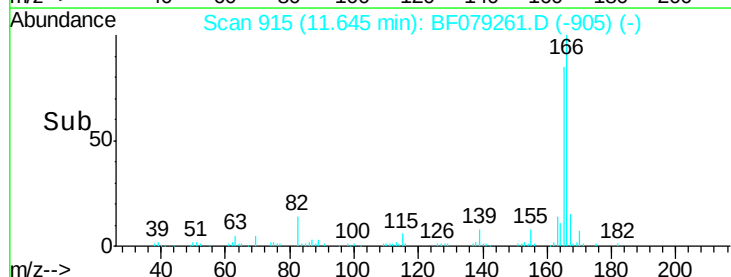
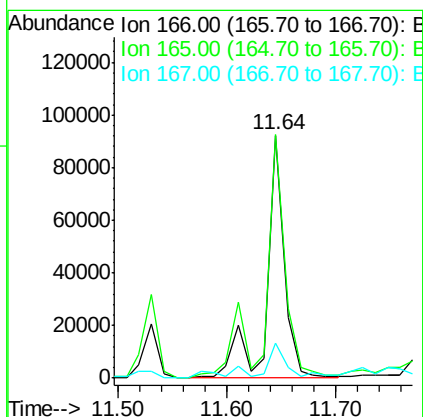
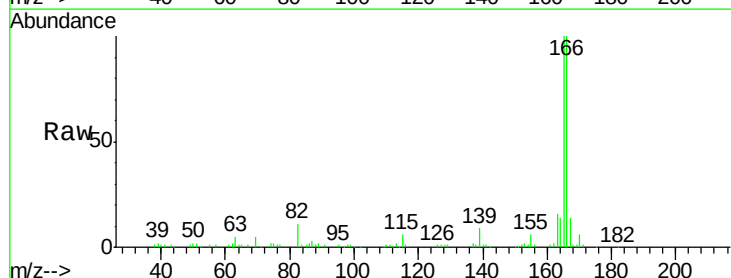
Instrument :
BNA_F
ClientSampleId :
SB-41DDL

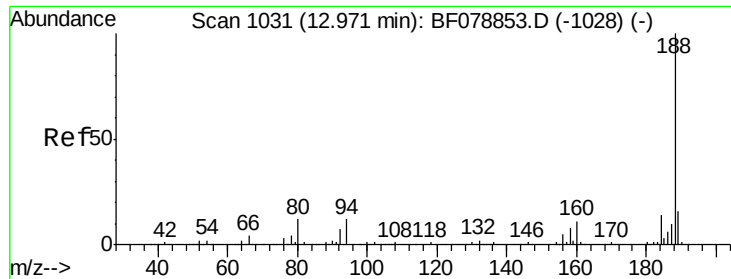
Tgt Ion:168 Resp: 20640
Ion Ratio Lower Upper
168 100
139 41.8 31.5 47.3
169 21.3 11.0 16.4#



#57
Fluorene
Concen: 15.44 ng
RT: 11.64 min Scan# 915
Delta R.T. -0.00 min
Lab File: BF079261.D
Acq: 15 May 2015 7:55

Tgt Ion:166 Resp: 107633
Ion Ratio Lower Upper
166 100
165 100.4 79.5 119.3
167 14.3 11.0 16.6

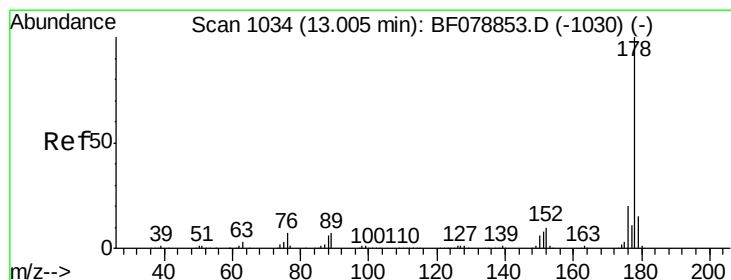
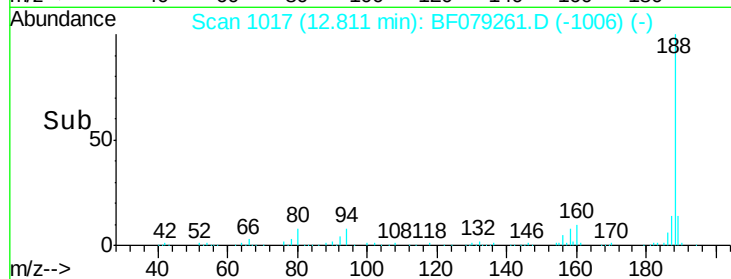
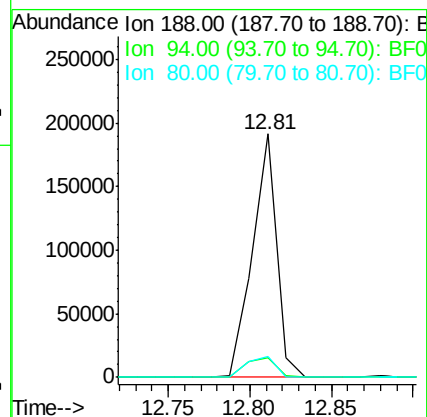
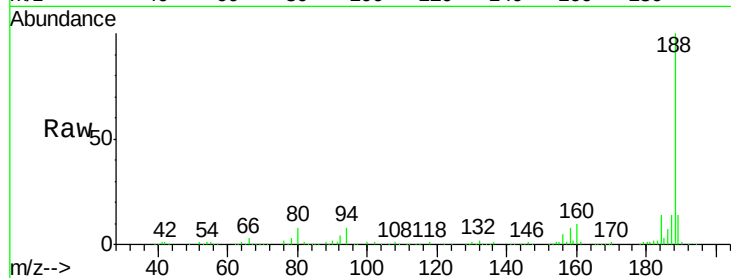




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.81 min Scan# 1017
 Delta R.T. -0.00 min
 Lab File: BF079261.D
 Acq: 15 May 2015 7:55

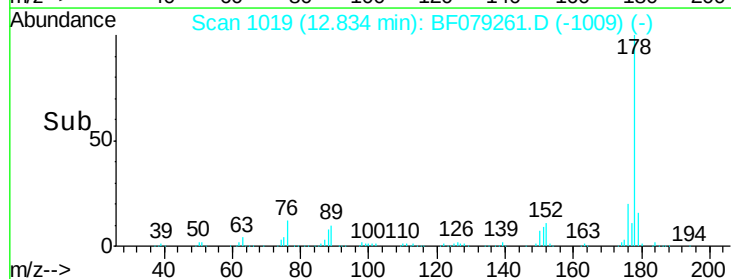
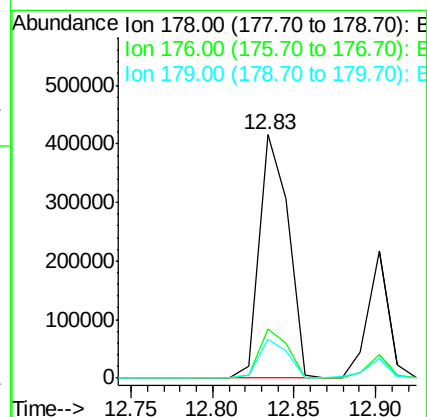
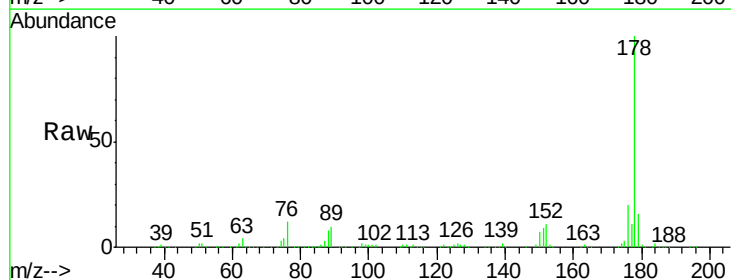
Instrument :
 BNA_F
 ClientSampleId :
 SB-41DDL

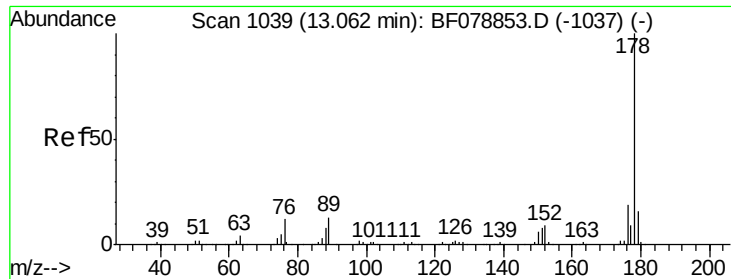
Tgt Ion:188 Resp: 196089
 Ion Ratio Lower Upper
 188 100
 94 8.2 9.4 14.0#
 80 8.5 9.8 14.6#



#70
 Phenanthrene
 Concen: 46.88 ng
 RT: 12.83 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: BF079261.D
 Acq: 15 May 2015 7:55

Tgt Ion:178 Resp: 514300
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.9 23.9
 179 15.8 12.2 18.4

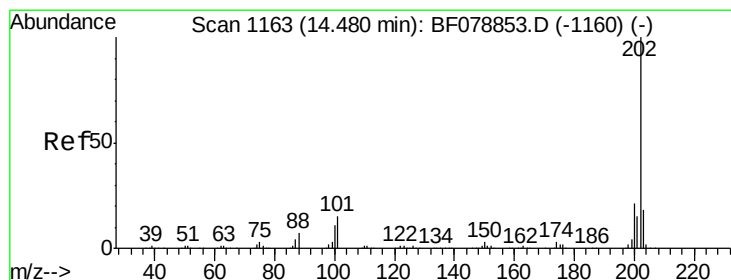
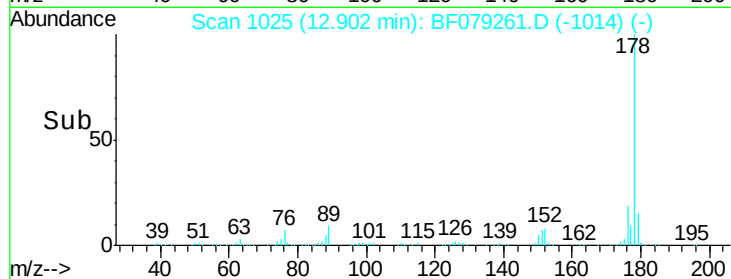
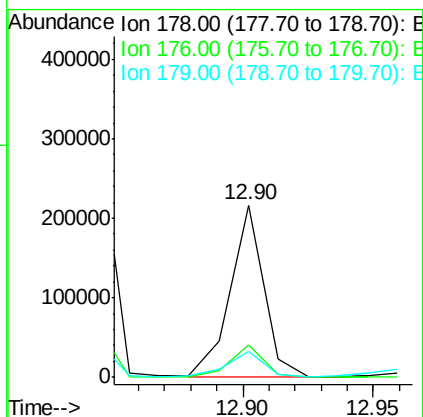
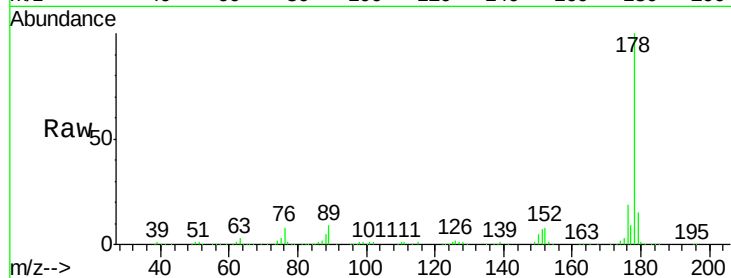




#71
 Anthracene
 Concen: 17.91 ng
 RT: 12.90 min Scan# 1025
 Delta R.T. -0.00 min
 Lab File: BF079261.D
 Acq: 15 May 2015 7:55

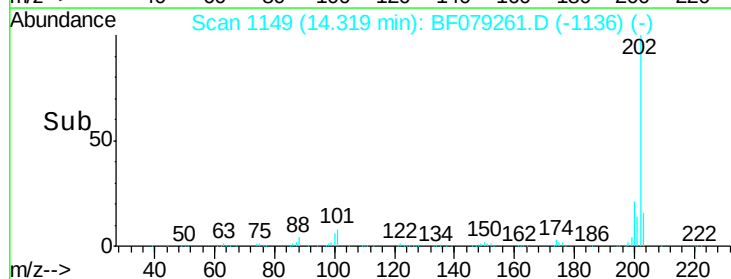
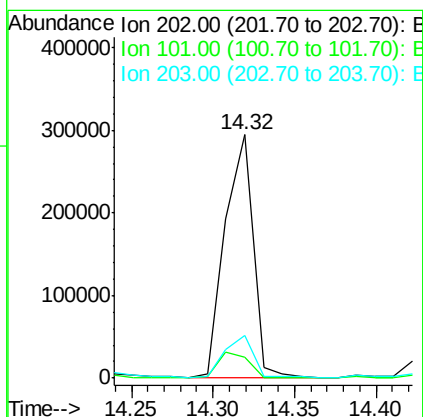
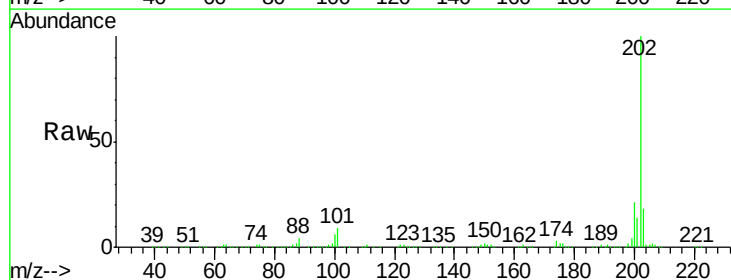
Instrument :
 BNA_F
 ClientSampleId :
 SB-41DDL

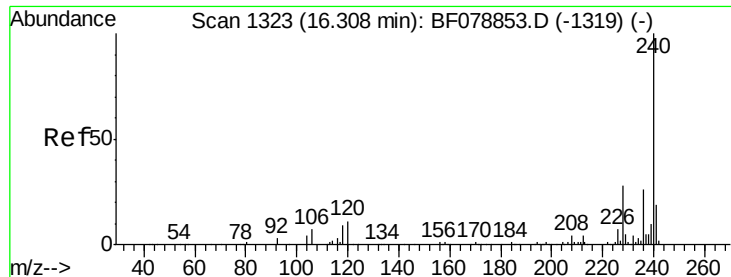
Tgt Ion:178 Resp: 192753
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.3 22.9
 179 15.1 12.6 19.0



#74
 Fluoranthene
 Concen: 30.45 ng
 RT: 14.32 min Scan# 1149
 Delta R.T. -0.00 min
 Lab File: BF079261.D
 Acq: 15 May 2015 7:55

Tgt Ion:202 Resp: 348021
 Ion Ratio Lower Upper
 202 100
 101 8.5 0.0 34.7
 203 17.6 0.0 37.9





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.10 min Scan# 1305

Delta R.T. -0.00 min

Lab File: BF079261.D

Acq: 15 May 2015 7:55

Instrument :

BNA_F

ClientSampleId :

SB-41DDL

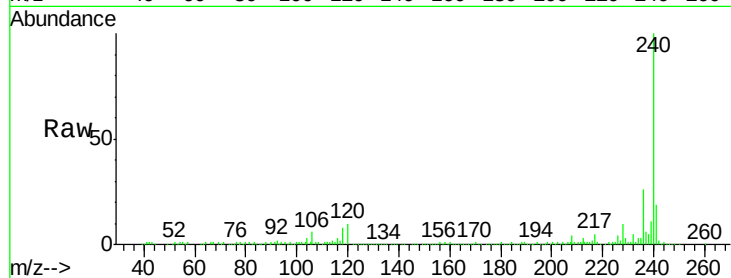
Tgt Ion:240 Resp: 217189

Ion Ratio Lower Upper

240 100

120 10.2 8.6 12.8

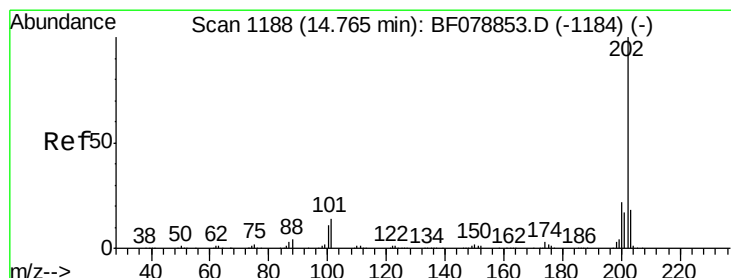
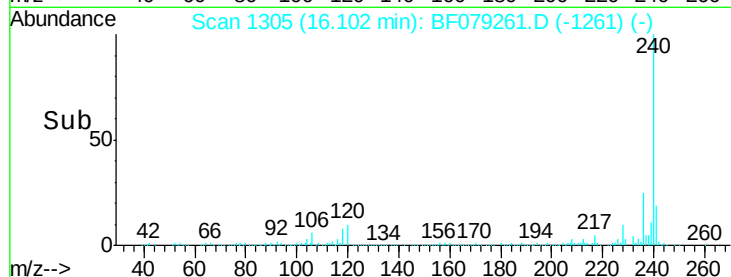
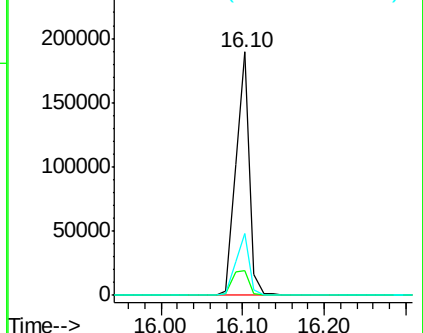
236 25.6 21.0 31.6



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: 34.28 ng

RT: 14.59 min Scan# 1173

Delta R.T. -0.00 min

Lab File: BF079261.D

Acq: 15 May 2015 7:55

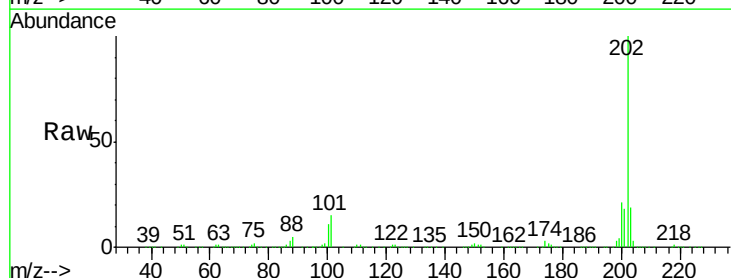
Tgt Ion:202 Resp: 429038

Ion Ratio Lower Upper

202 100

200 21.4 17.5 26.3

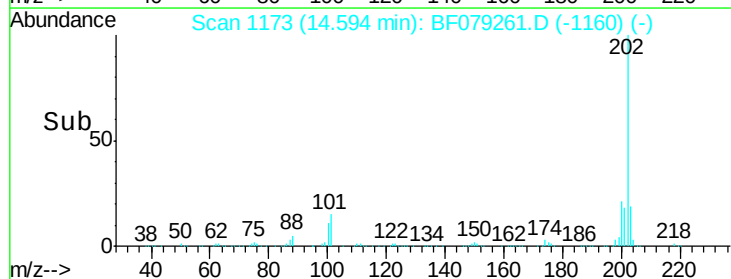
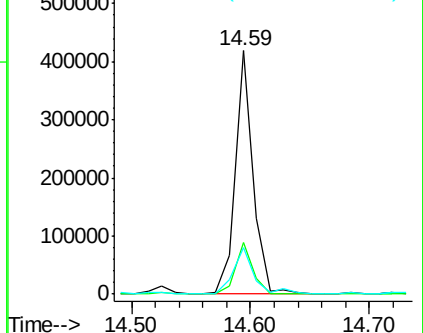
203 19.0 14.7 22.1

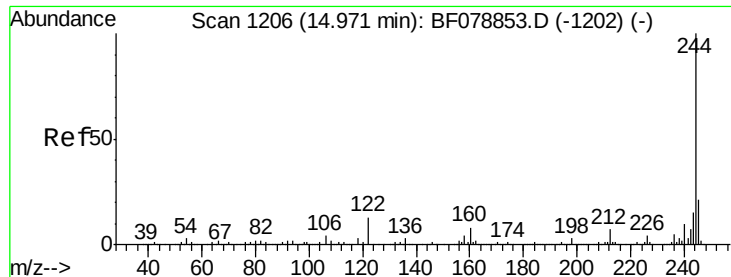


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

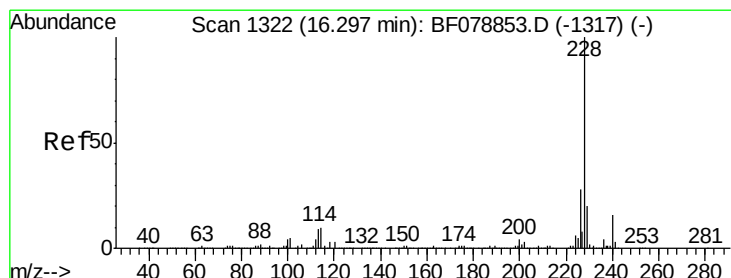
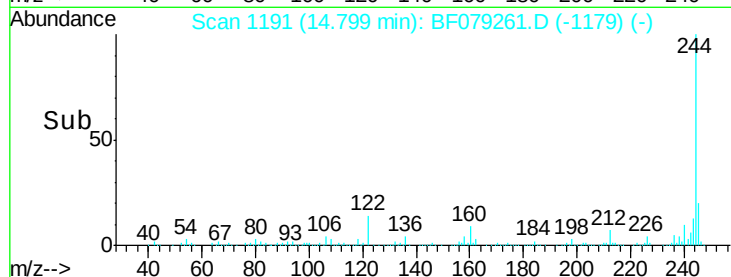
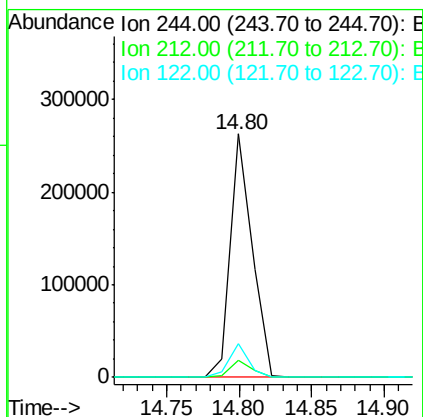
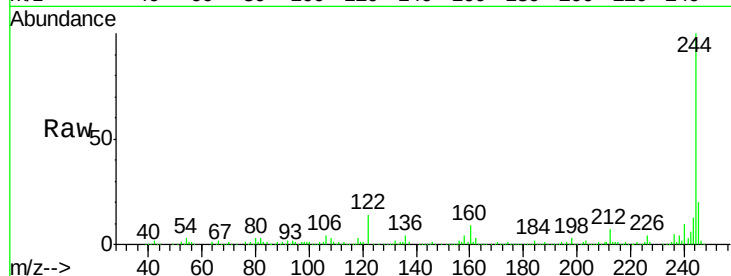




#78
 Terphenyl-d14
 Concen: 30.43 ng
 RT: 14.80 min Scan# 1191
 Delta R.T. -0.01 min
 Lab File: BF079261.D
 Acq: 15 May 2015 7:55

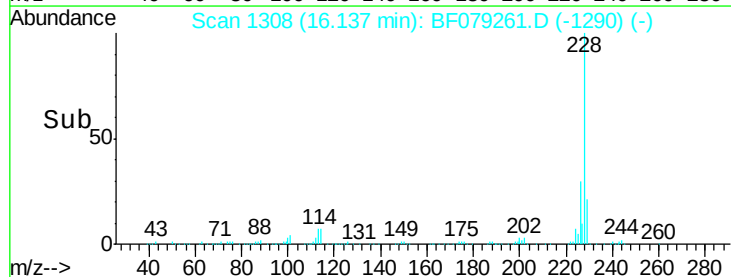
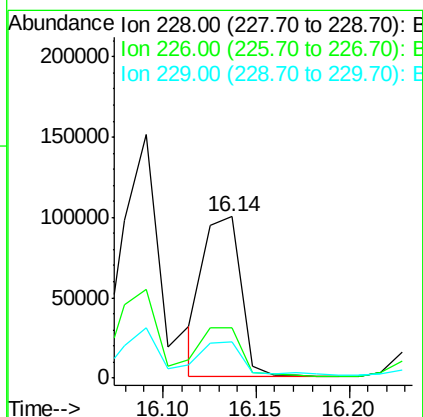
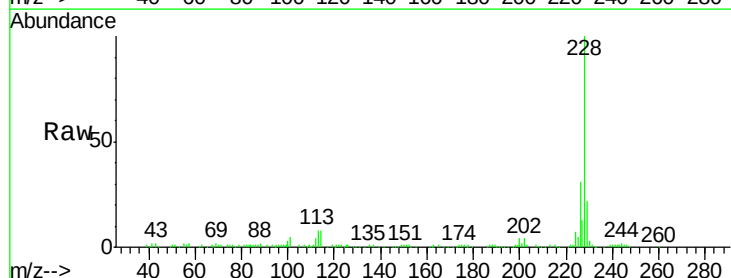
Instrument :
 BNA_F
 ClientSampleId :
 SB-41DDL

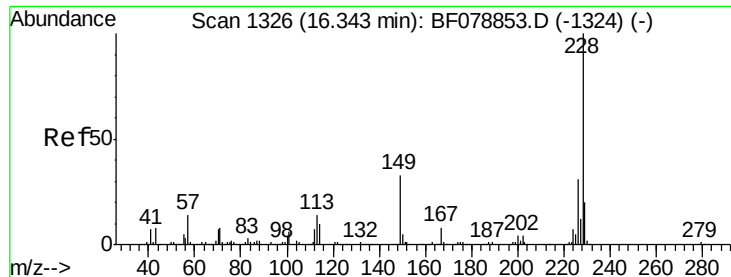
Tgt Ion: 244 Resp: 276063
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 14.0 10.5 15.7



#80
 Benzo(a)anthracene
 Concen: 11.66 ng
 RT: 16.14 min Scan# 1308
 Delta R.T. 0.05 min
 Lab File: BF079261.D
 Acq: 15 May 2015 7:55

Tgt Ion: 228 Resp: 138676
 Ion Ratio Lower Upper
 228 100
 226 30.9 22.3 33.5
 229 22.5 16.1 24.1





#82

Chrysene

Concen: 12.07 ng

RT: 16.14 min Scan# 1308

Delta R.T. -0.00 min

Lab File: BF079261.D

Acq: 15 May 2015 7:55

Instrument :

BNA_F

ClientSampleId :

SB-41DDL

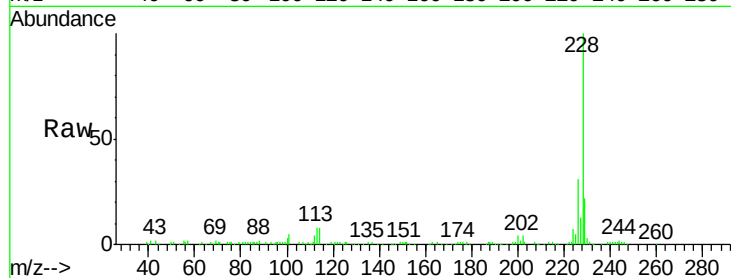
Tgt Ion:228 Resp: 138107

Ion Ratio Lower Upper

228 100

226 30.9 24.8 37.2

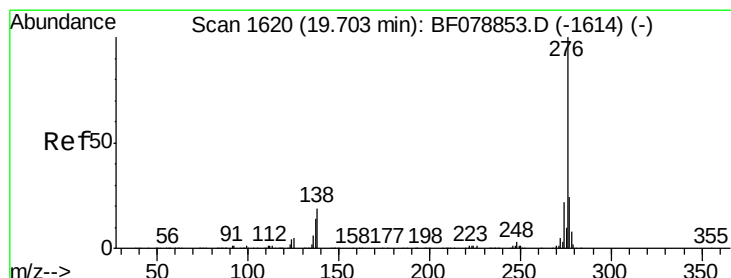
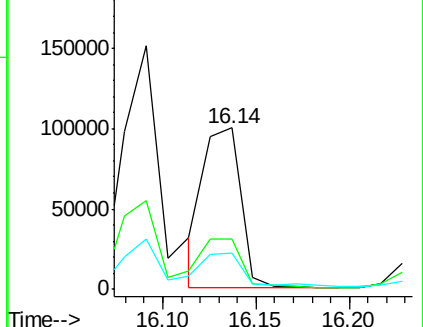
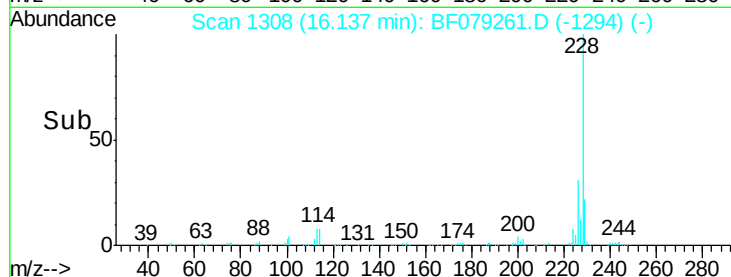
229 22.5 16.1 24.1



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: 5.01 ng

RT: 19.27 min Scan# 1582

Delta R.T. 0.02 min

Lab File: BF079261.D

Acq: 15 May 2015 7:55

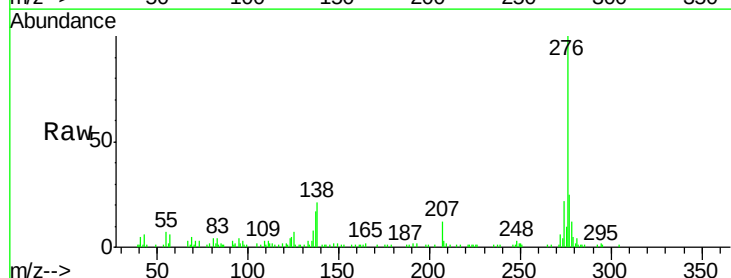
Tgt Ion:276 Resp: 73068

Ion Ratio Lower Upper

276 100

138 24.2 21.1 31.7

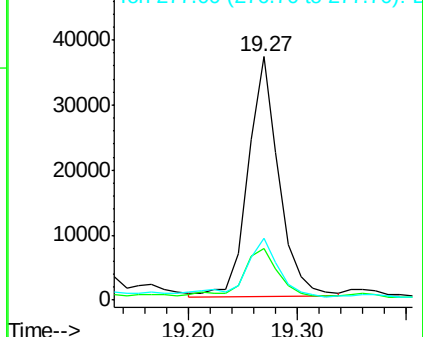
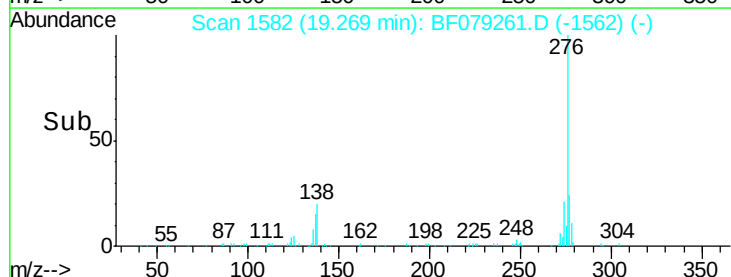
277 27.4 19.9 29.9

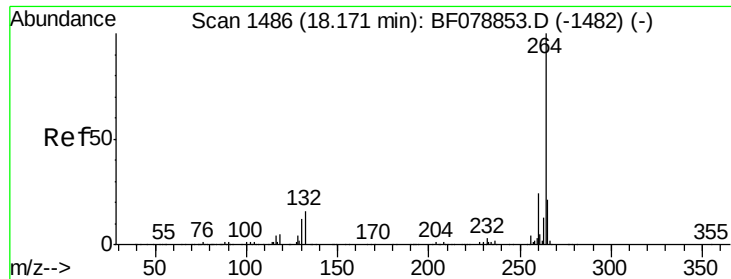


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

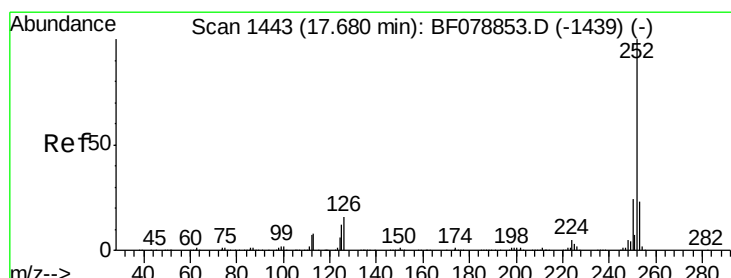
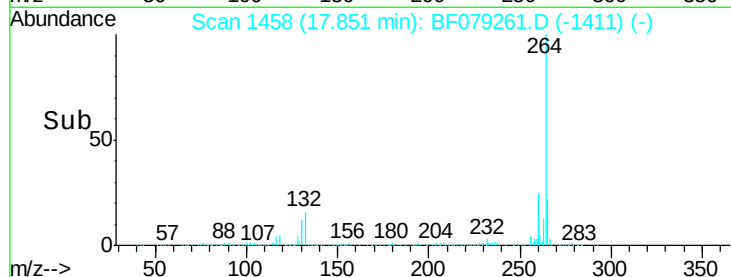
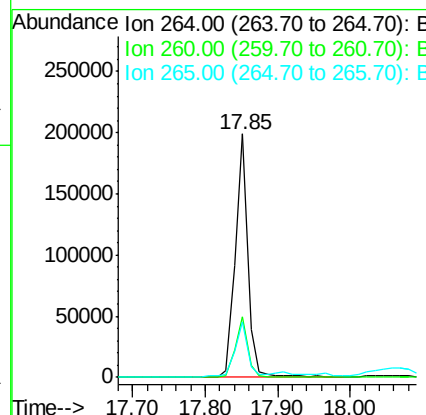
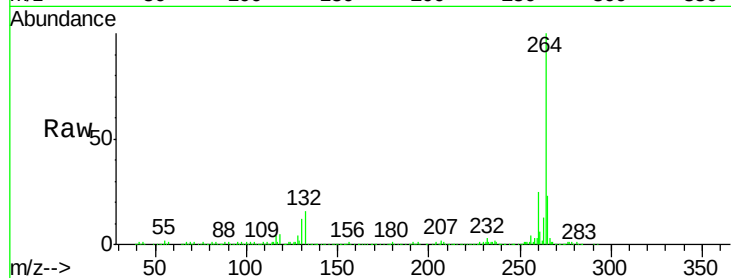




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.85 min Scan# 1458
Delta R.T. 0.03 min
Lab File: BF079261.D
Acq: 15 May 2015 7:55

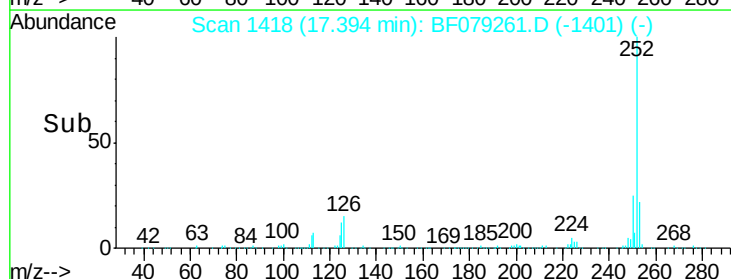
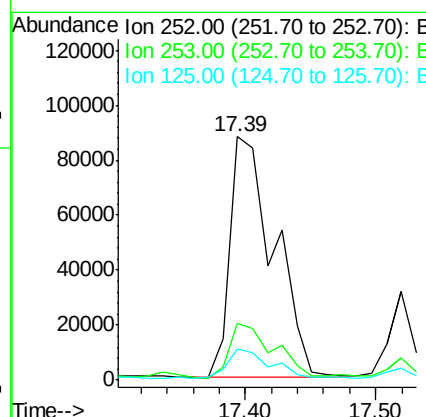
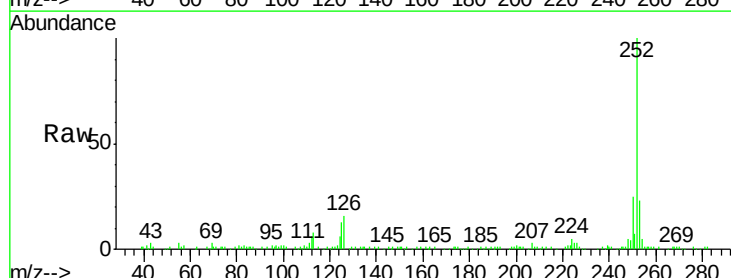
Instrument :
BNA_F
ClientSampled :
SB-41DDL

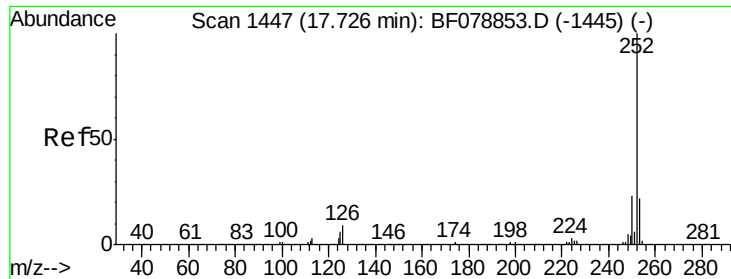
Tgt Ion:264 Resp: 240552
Ion Ratio Lower Upper
264 100
260 24.8 19.2 28.8
265 22.5 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 15.70 ng
RT: 17.39 min Scan# 1418
Delta R.T. 0.01 min
Lab File: BF079261.D
Acq: 15 May 2015 7:55

Tgt Ion:252 Resp: 206656
Ion Ratio Lower Upper
252 100
253 23.1 18.1 27.1
125 12.9 9.4 14.2





#88

Benzo(k)fluoranthene

Concen: 16.23 ng

RT: 17.39 min Scan# 1418

Delta R.T. -0.02 min

Lab File: BF079261.D

Acq: 15 May 2015 7:55

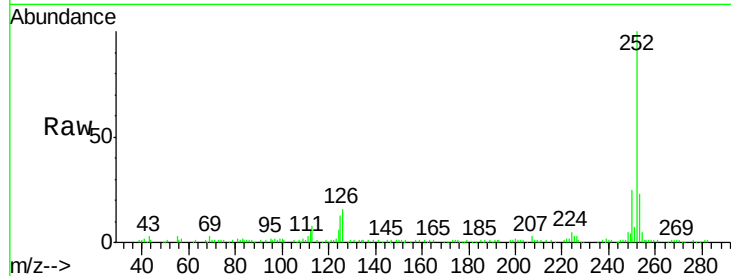
Instrument :

BNA_F

ClientSampleId :

SB-41DDL

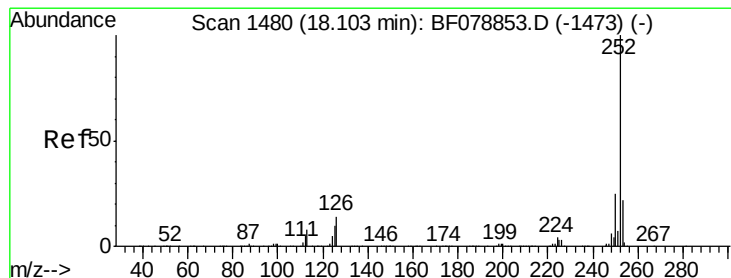
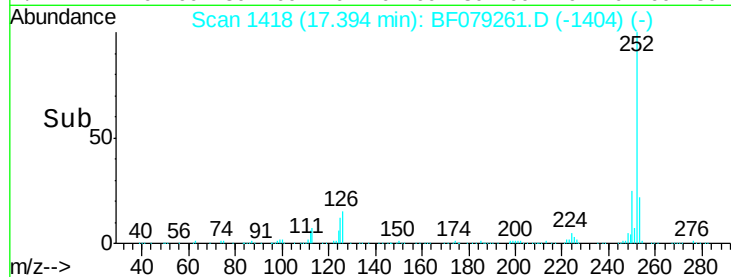
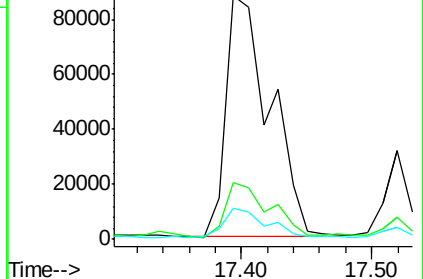
Tgt Ion:	252	Resp:	206830
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.4	26.0
125	12.9	6.1	9.1#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(a)pyrene

Concen: 12.13 ng

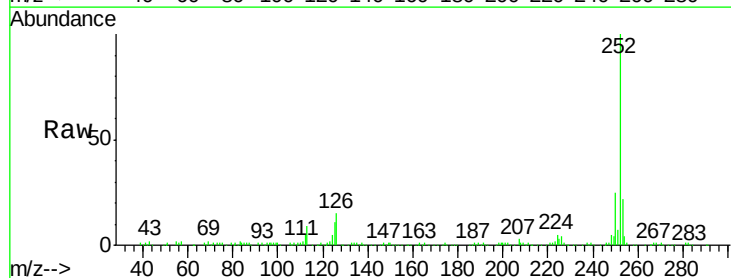
RT: 17.78 min Scan# 1452

Delta R.T. 0.02 min

Lab File: BF079261.D

Acq: 15 May 2015 7:55

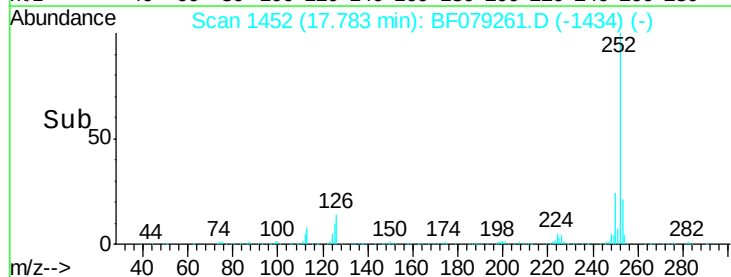
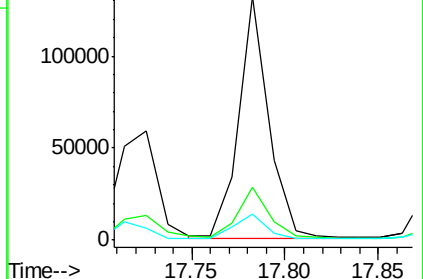
Tgt Ion:	252	Resp:	147008
Ion Ratio	Lower	Upper	
252	100		
253	21.9	18.0	27.0
125	10.7	8.2	12.2

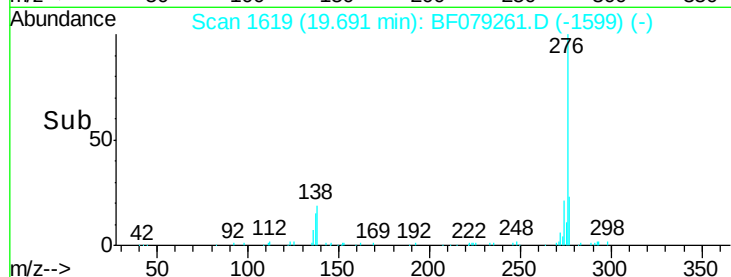
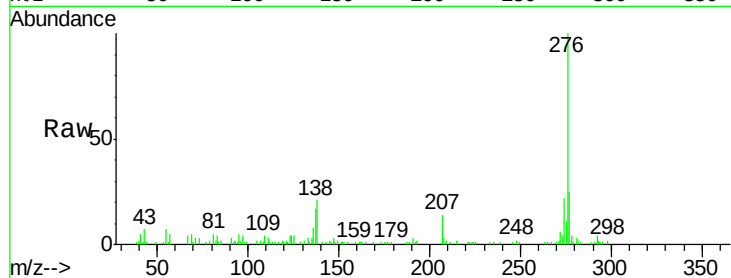
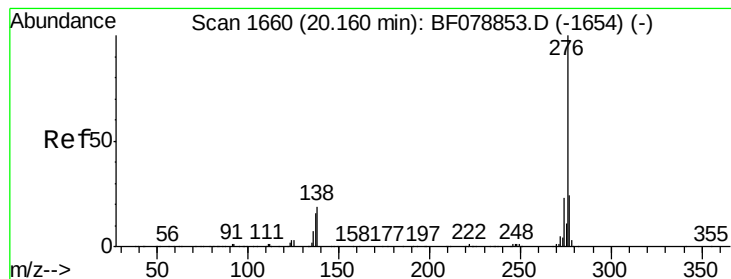


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(g,h,i)perylene

Concen: 5.39 ng

RT: 19.69 min Scan# 1619

Delta R.T. 0.02 min

Lab File: BF079261.D

Acq: 15 May 2015 7:55

Instrument :

BNA_F

ClientSampleId :

SB-41DDL

Tgt Ion: 276 Resp: 69595

Ion Ratio Lower Upper

276 100

277 24.5 18.8 28.2

138 21.4 15.2 22.8

