

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052715\
 Data File : BF079530.D
 Acq On : 27 May 2015 20:56
 Operator : TP/IZ
 Sample : G2387-07
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-18-SS

Quant Time: May 28 00:58:09 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 28 00:48:25 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	64096	20.00	ng	0.00
21) Naphthalene-d8	8.58	136	270097	20.00	ng	0.00
38) Acenaphthene-d10	10.74	164	134850	20.00	ng	0.00
63) Phenanthrene-d10	12.58	188	249633	20.00	ng	0.00
75) Chrysene-d12	15.89	240	268313	20.00	ng	-0.06
86) Perylene-d12	17.71	264	287004	20.00	ng	-0.17

System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	281094	76.07	ng	0.00
7) Phenol-d6	6.59	99	425849	90.41	ng	0.00
23) Nitrobenzene-d5	7.70	82	259008	55.43	ng	0.00
41) 2,4,6-Tribromophenol	11.73	330	124658	84.16	ng	-0.01
44) 2-Fluorobiphenyl	9.93	172	486833	51.51	ng	0.00
78) Terphenyl-d14	14.58	244	487219	42.62	ng	-0.01

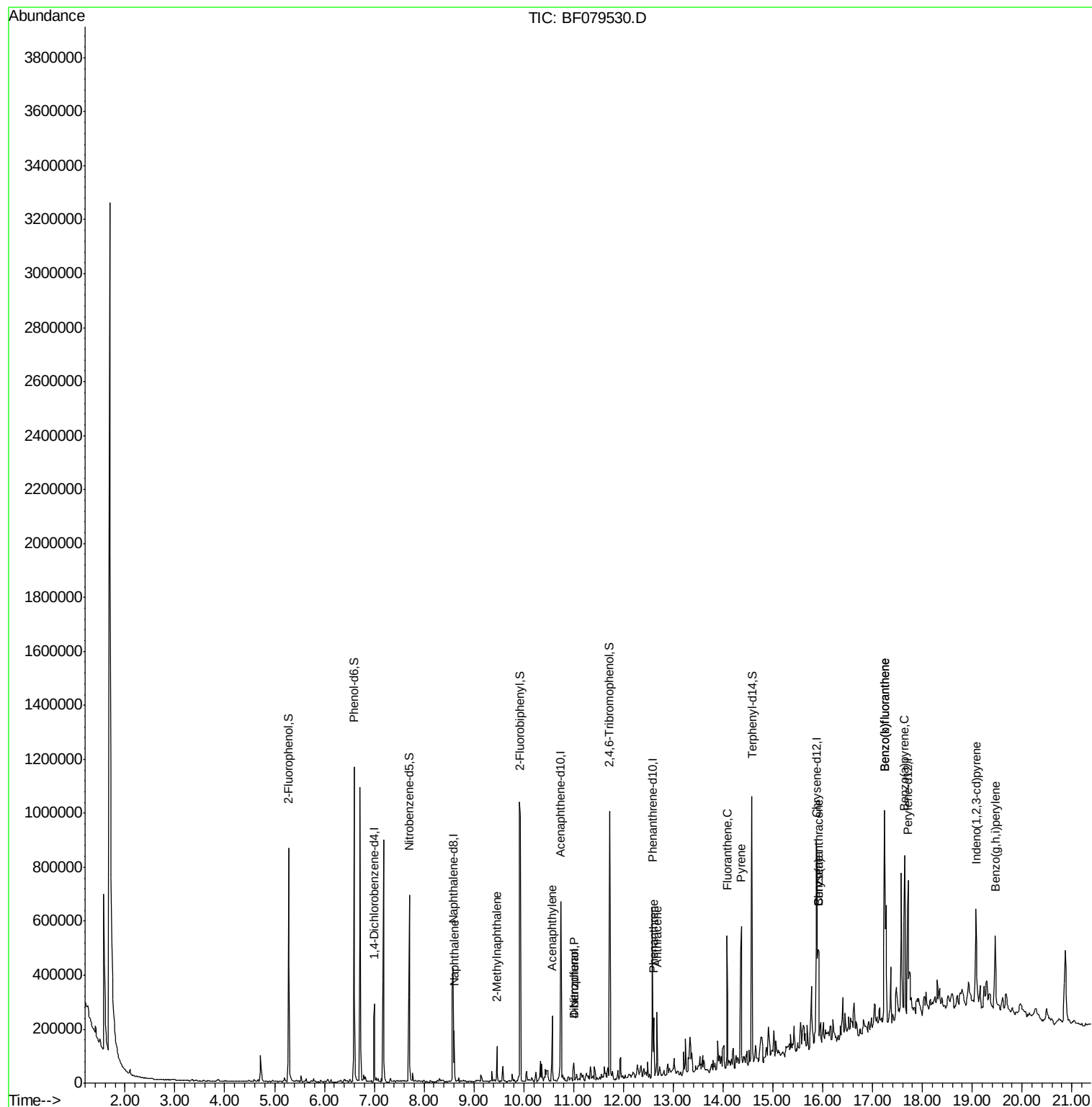
Target Compounds				Qvalue		
9) Benzaldehyde	6.46	77	768	Below Cal	#	66
31) Naphthalene	8.60	128	74460	5.74	ng	98
37) 2-Methylnaphthalene	9.46	142	37432	4.16	ng	98
48) Acenaphthylene	10.57	152	108996	7.89	ng	99
54) Dibenzofuran	11.00	168	23346	2.00	ng	# 97
55) 4-Nitrophenol	11.00	139	9902	6.92	ng	# 12
70) Phenanthrene	12.61	178	104427	7.63	ng	100
71) Anthracene	12.67	178	99758	7.17	ng	98
73) Di-n-butylphthalate	13.35	149	4253	Below Cal	#	63
74) Fluoranthene	14.08	202	237095	16.14	ng	94
77) Pyrene	14.37	202	278639	16.76	ng	98
80) Benzo(a)anthracene	15.92	228	238046	15.42	ng	96
82) Chrysene	15.92	228	237204	16.17	ng	97
85) Indeno(1,2,3-cd)pyrene	19.07	276	231333	12.26	ng	94
87) Benzo(b)fluoranthene	17.25	252	721919	44.10	ng	98
88) Benzo(k)fluoranthene	17.25	252	721919	49.32	ng	# 97
89) Benzo(a)pyrene	17.65	252	304488	20.15	ng	99
91) Benzo(g,h,i)perylene	19.46	276	223178	13.56	ng	96

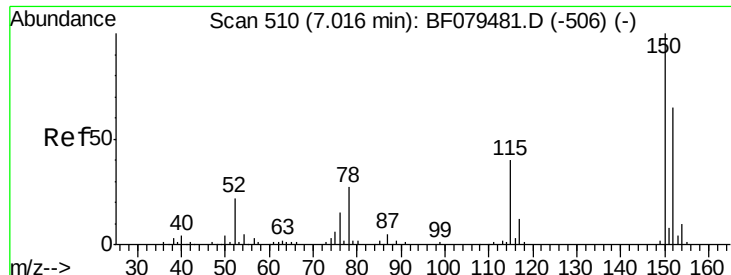
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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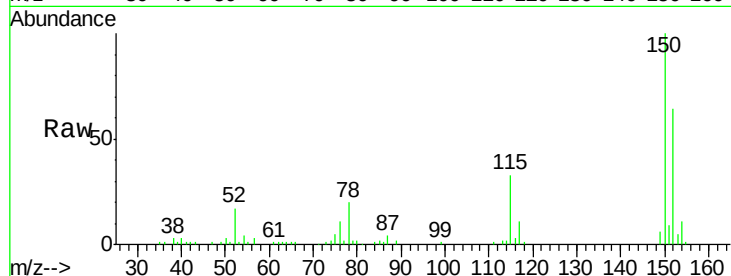


#1

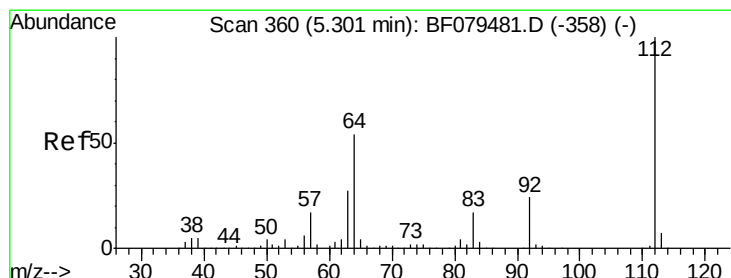
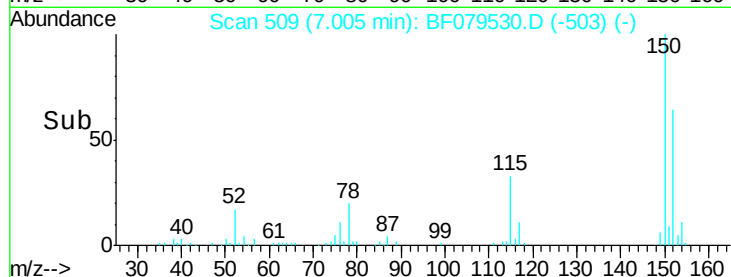
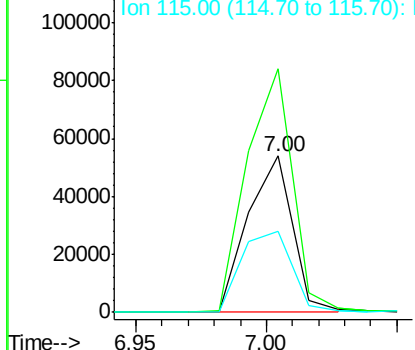
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.00 min Scan# 509
Delta R.T. -0.00 min
Lab File: BF079530.D
Acq: 27 May 2015 20:56

Instrument :
BNA_F
ClientSampleId :
TP-18-SS

Tgt Ion:152 Resp: 64096
Ion Ratio Lower Upper
152 100
150 155.8 124.0 186.0
115 51.5 49.6 74.4



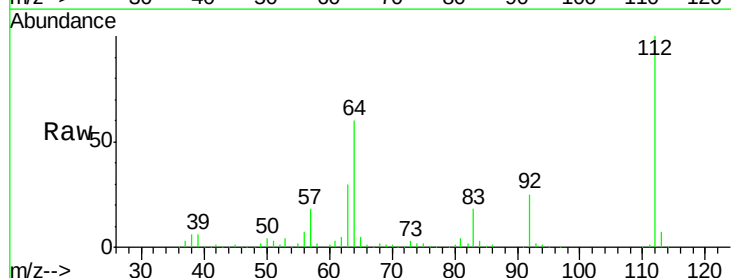
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



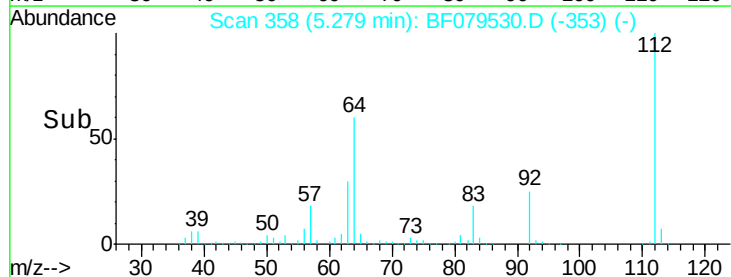
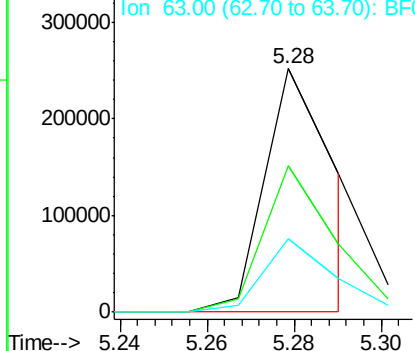
#5

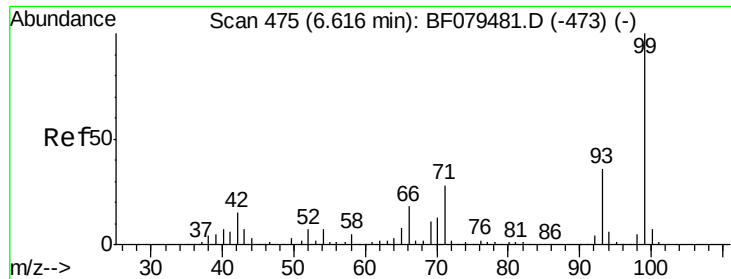
2-Fluorophenol
Concen: 76.07 ng
RT: 5.28 min Scan# 358
Delta R.T. -0.00 min
Lab File: BF079530.D
Acq: 27 May 2015 20:56

Tgt Ion:112 Resp: 281094
Ion Ratio Lower Upper
112 100
64 60.0 43.5 65.3
63 29.9 21.8 32.8



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: 90.41 ng

RT: 6.59 min Scan# 473

Delta R.T. -0.00 min

Lab File: BF079530.D

Acq: 27 May 2015 20:56

Instrument :

BNA_F

ClientSampleId :

TP-18-SS

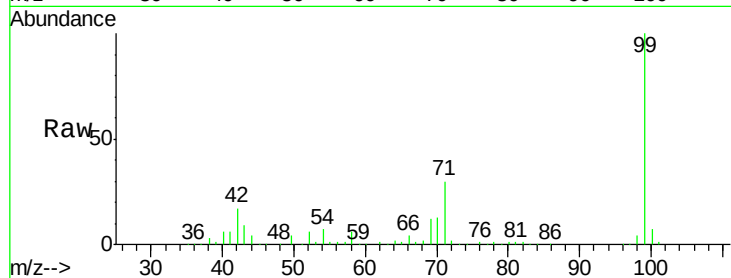
Tgt Ion: 99 Resp: 425849

Ion Ratio Lower Upper

99 100

42 17.0 11.9 17.9

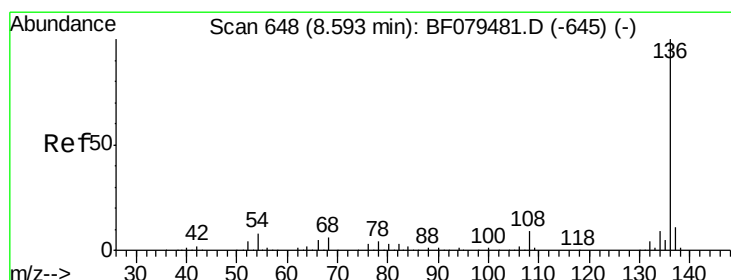
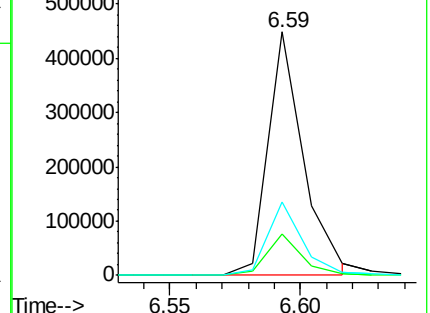
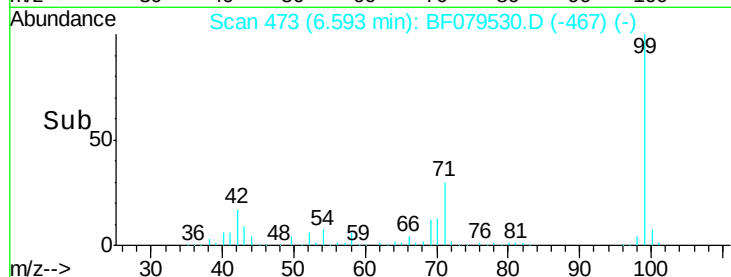
71 30.0 22.1 33.1



Abundance Ion 99.00 (98.70 to 99.70): BF079530.D (-467) (-)

Ion 42.00 (41.70 to 42.70): BF079530.D (-467) (-)

Ion 71.00 (70.70 to 71.70): BF079530.D (-467) (-)



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.58 min Scan# 647

Delta R.T. -0.00 min

Lab File: BF079530.D

Acq: 27 May 2015 20:56

Tgt Ion: 136 Resp: 270097

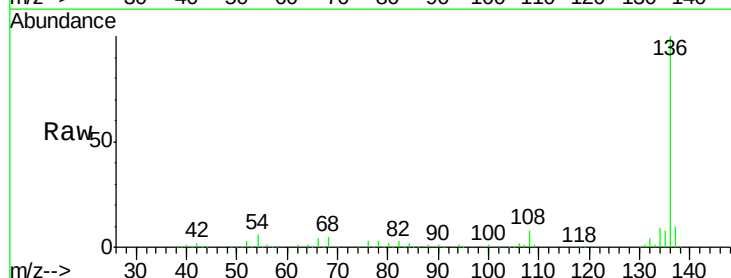
Ion Ratio Lower Upper

136 100

137 10.0 8.5 12.7

54 5.7 6.6 9.8#

68 4.9 4.7 7.1

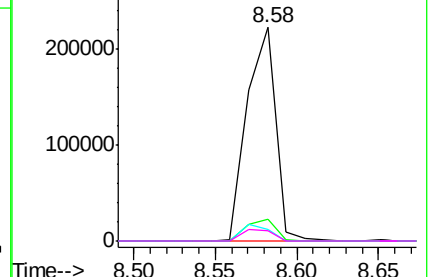
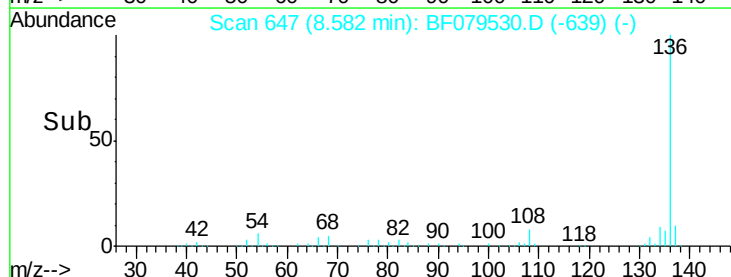


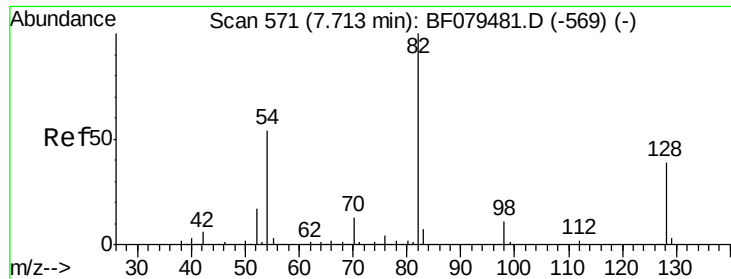
Abundance Ion 136.00 (135.70 to 136.70): BF079530.D (-639) (-)

Ion 137.00 (136.70 to 137.70): BF079530.D (-639) (-)

Ion 54.00 (53.70 to 54.70): BF079530.D (-639) (-)

Ion 68.00 (67.70 to 68.70): BF079530.D (-639) (-)

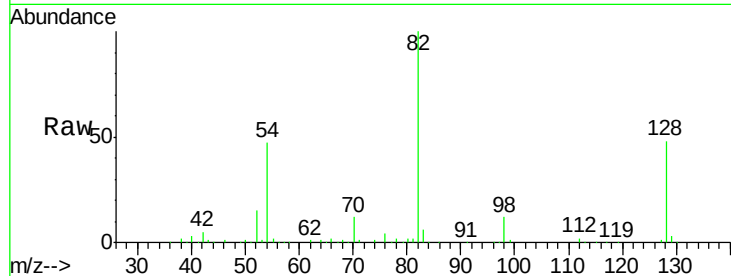




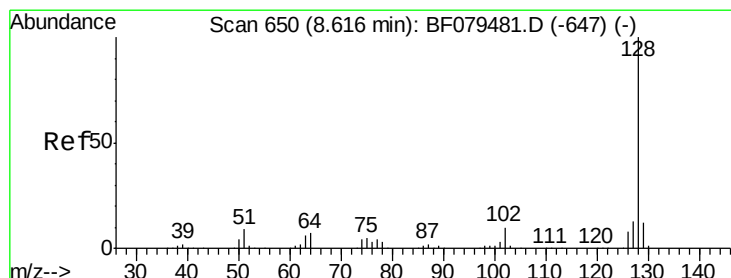
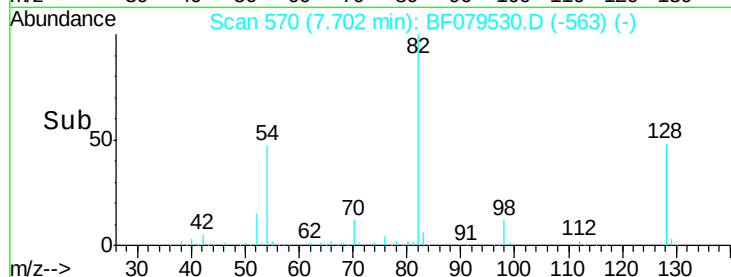
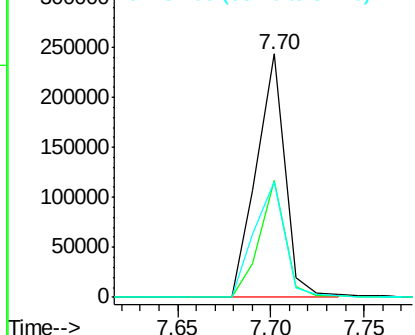
#23
 Nitrobenzene-d5
 Concen: 55.43 ng
 RT: 7.70 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: BF079530.D
 Acq: 27 May 2015 20:56

Instrument :
 BNA_F
 ClientSampleId :
 TP-18-SS

Tgt Ion: 82 Resp: 259008
 Ion Ratio Lower Upper
 82 100
 128 48.1 30.8 46.2#
 54 47.5 42.8 64.2

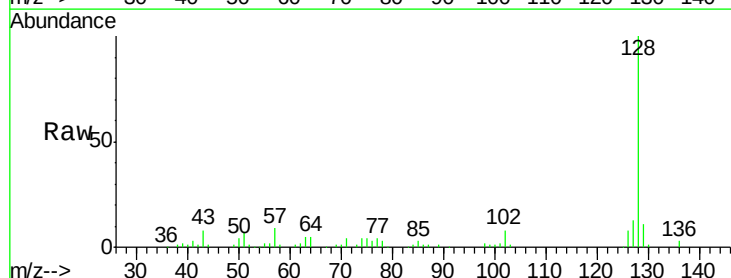


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

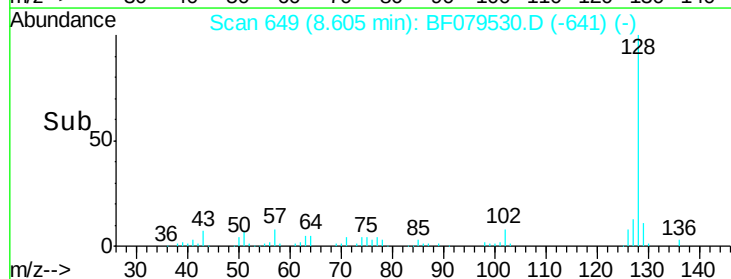
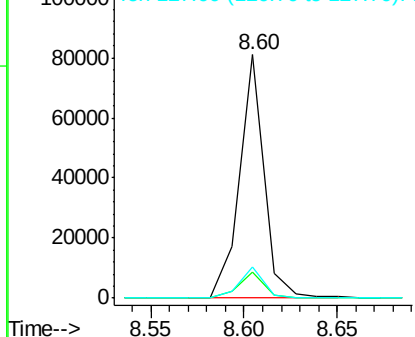


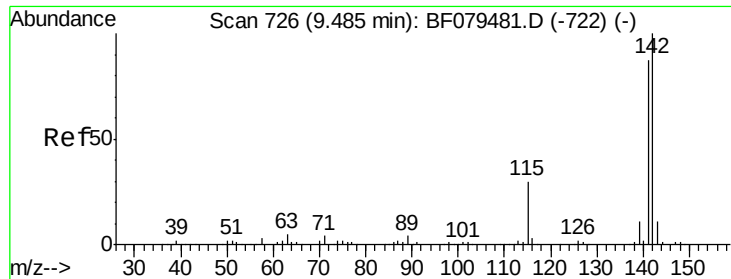
#31
 Naphthalene
 Concen: 5.74 ng
 RT: 8.60 min Scan# 649
 Delta R.T. -0.00 min
 Lab File: BF079530.D
 Acq: 27 May 2015 20:56

Tgt Ion: 128 Resp: 74460
 Ion Ratio Lower Upper
 128 100
 129 10.6 9.3 13.9
 127 13.0 10.6 15.8



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

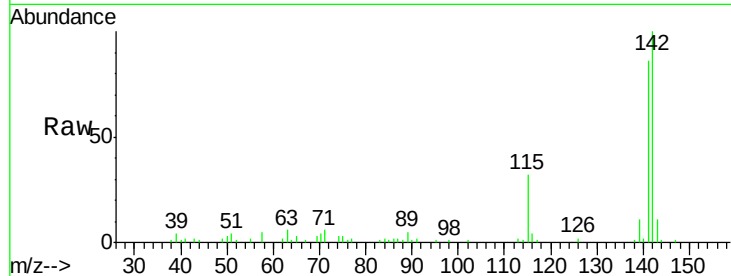




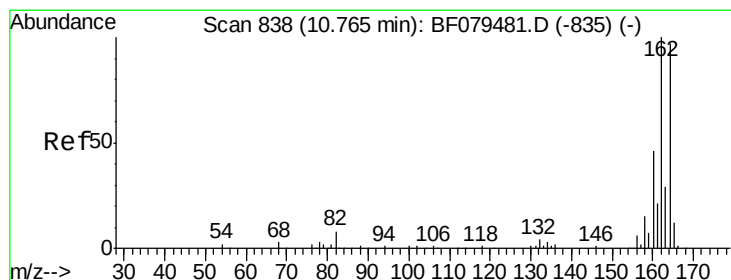
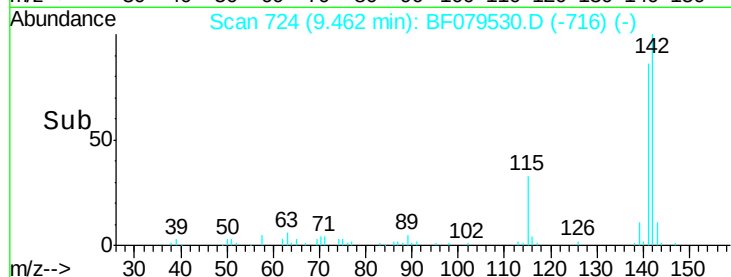
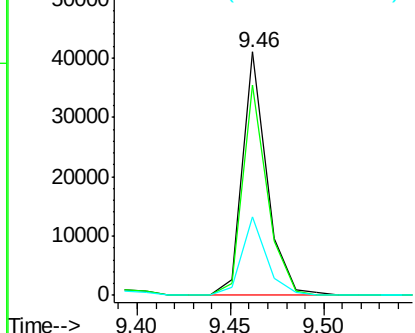
#37
 2-Methylnaphthalene
 Concen: 4.16 ng
 RT: 9.46 min Scan# 724
 Delta R.T. -0.00 min
 Lab File: BF079530.D
 Acq: 27 May 2015 20:56

Instrument :
 BNA_F
 ClientSampled :
 TP-18-SS

Tgt Ion:142 Resp: 37432
 Ion Ratio Lower Upper
 142 100
 141 86.4 69.5 104.3
 115 32.3 23.8 35.6

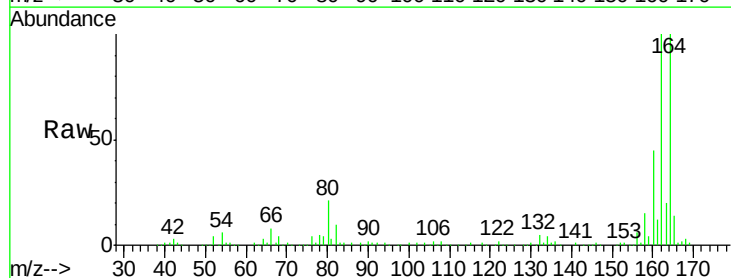


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

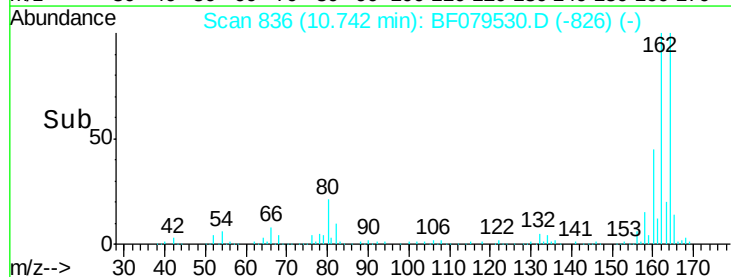
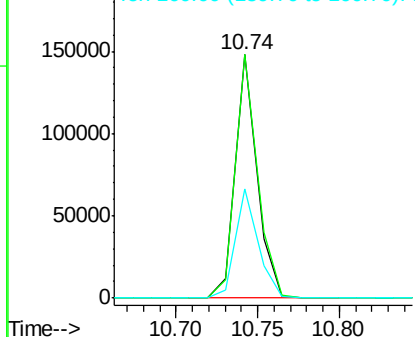


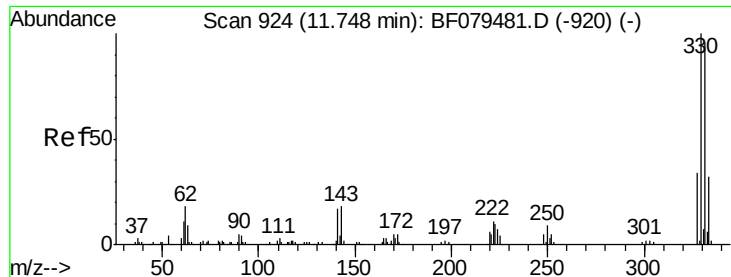
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.74 min Scan# 836
 Delta R.T. -0.00 min
 Lab File: BF079530.D
 Acq: 27 May 2015 20:56

Tgt Ion:164 Resp: 134850
 Ion Ratio Lower Upper
 164 100
 162 100.1 82.6 124.0
 160 44.7 37.7 56.5



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

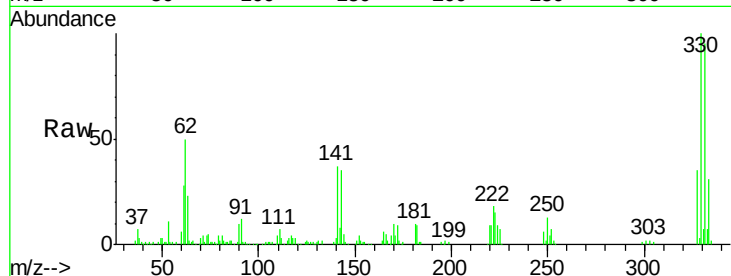




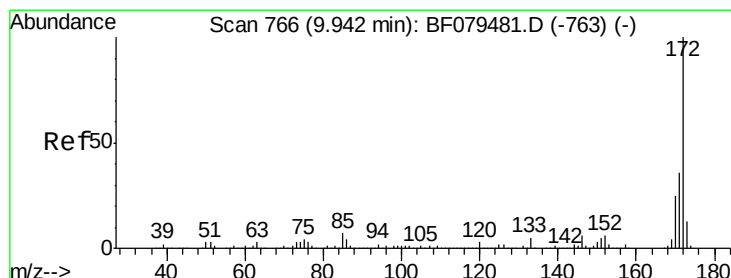
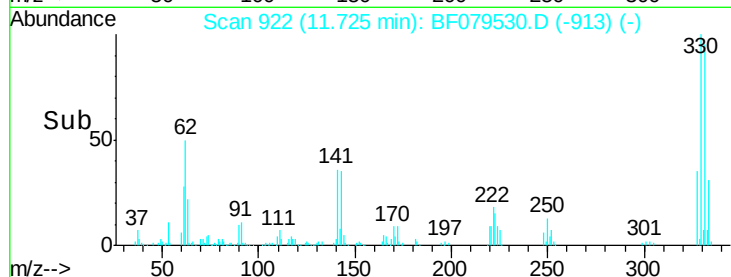
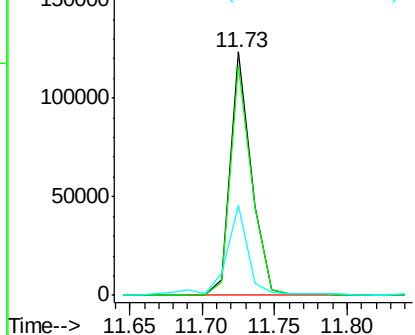
#41
 2,4,6-Tribromophenol
 Concen: 84.16 ng
 RT: 11.73 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: BF079530.D
 Acq: 27 May 2015 20:56

Instrument :
 BNA_F
 ClientSampleId :
 TP-18-SS

Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.3	0.0	0.0#
141	38.4	0.0	0.0#

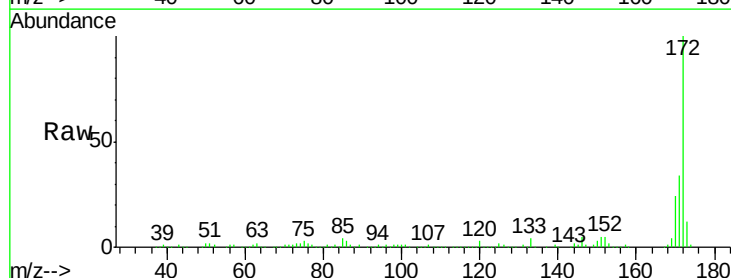


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

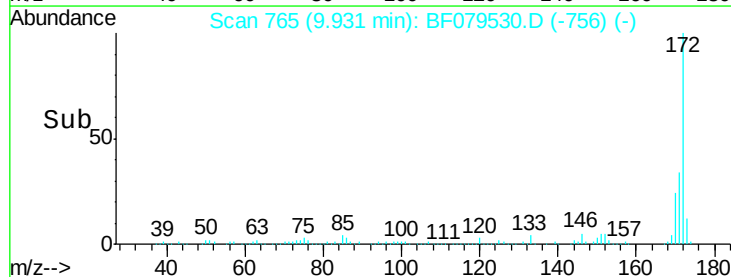
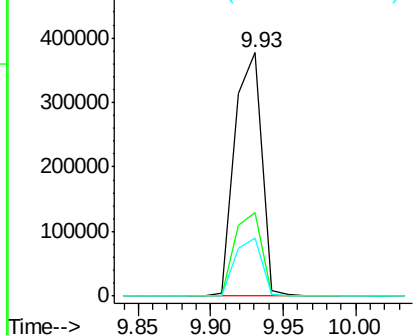


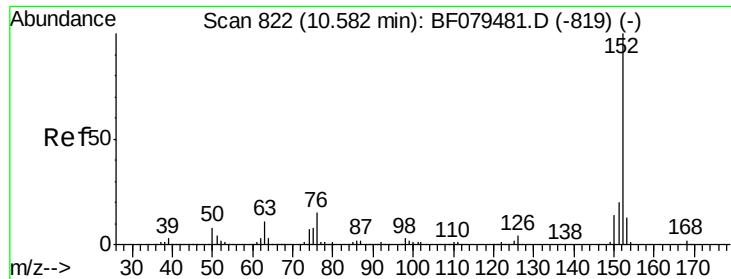
#44
 2-Fluorobiphenyl
 Concen: 51.51 ng
 RT: 9.93 min Scan# 765
 Delta R.T. -0.00 min
 Lab File: BF079530.D
 Acq: 27 May 2015 20:56

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.2	28.5	42.7
170	23.6	19.7	29.5



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





#48

Acenaphthylene

Concen: 7.89 ng

RT: 10.57 min Scan# 821

Delta R.T. -0.00 min

Lab File: BF079530.D

Acq: 27 May 2015 20:56

Instrument :

BNA_F

ClientSampled :

TP-18-SS

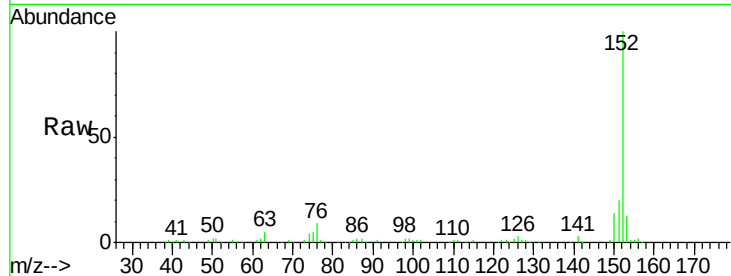
Tgt Ion:152 Resp: 108996

Ion Ratio Lower Upper

152 100

151 19.9 15.8 23.8

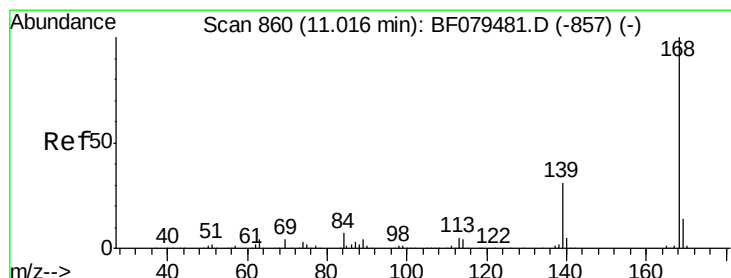
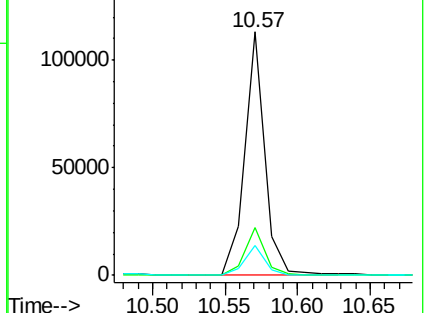
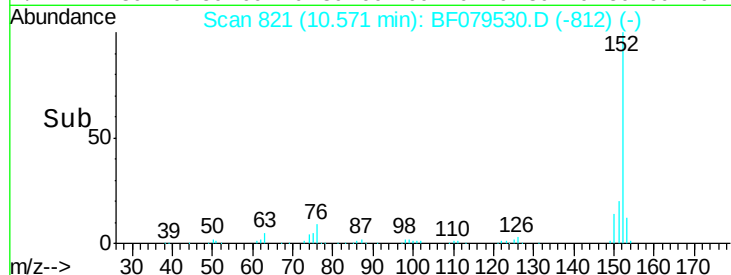
153 12.5 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#54

Dibenzofuran

Concen: 2.00 ng

RT: 11.00 min Scan# 859

Delta R.T. -0.00 min

Lab File: BF079530.D

Acq: 27 May 2015 20:56

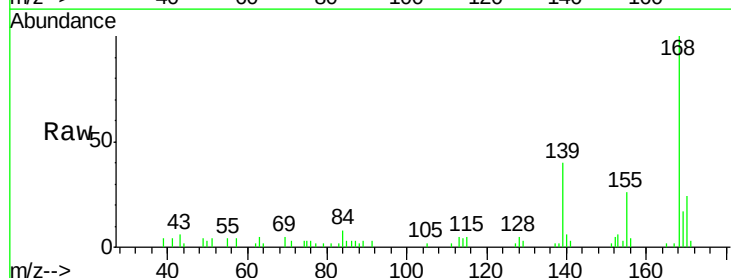
Tgt Ion:168 Resp: 23346

Ion Ratio Lower Upper

168 100

139 39.9 32.9 49.3

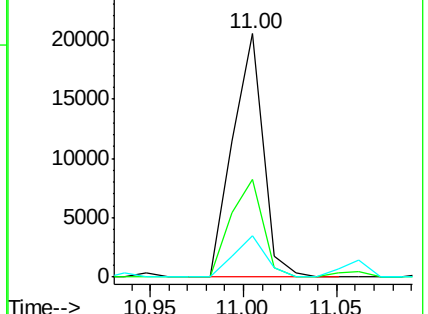
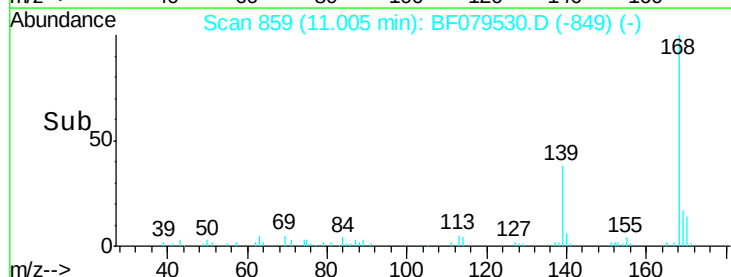
169 17.2 11.1 16.7#

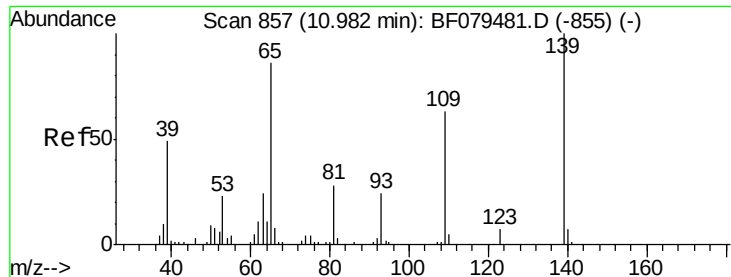


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 6.92 ng

RT: 11.00 min Scan# 859

Delta R.T. 0.03 min

Lab File: BF079530.D

Acq: 27 May 2015 20:56

Instrument :

BNA_F

ClientSampleId :

TP-18-SS

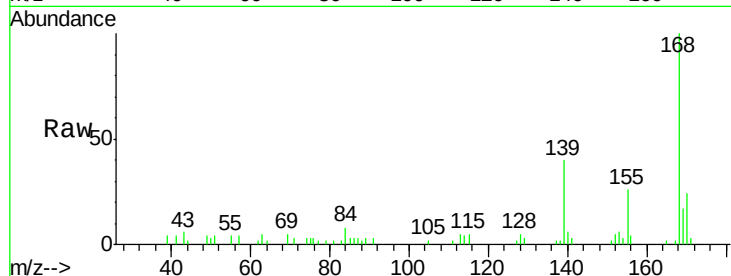
Tgt Ion:139 Resp: 9902

Ion Ratio Lower Upper

139 100

109 0.0 42.8 82.8#

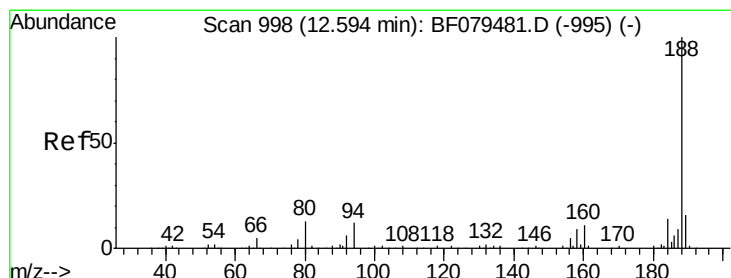
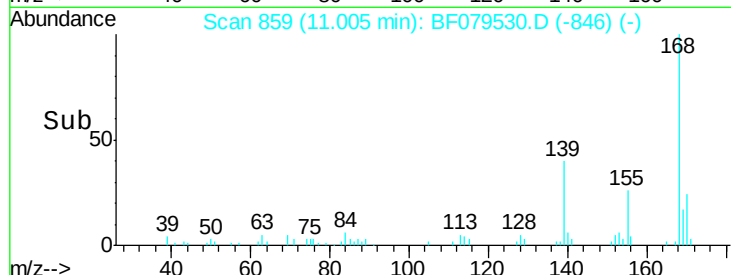
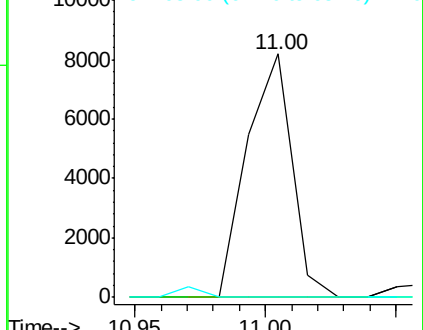
65 0.0 66.3 106.3#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.58 min Scan# 997

Delta R.T. -0.00 min

Lab File: BF079530.D

Acq: 27 May 2015 20:56

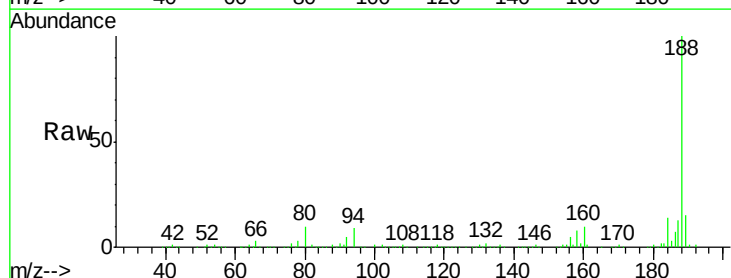
Tgt Ion:188 Resp: 249633

Ion Ratio Lower Upper

188 100

94 9.4 9.8 14.6#

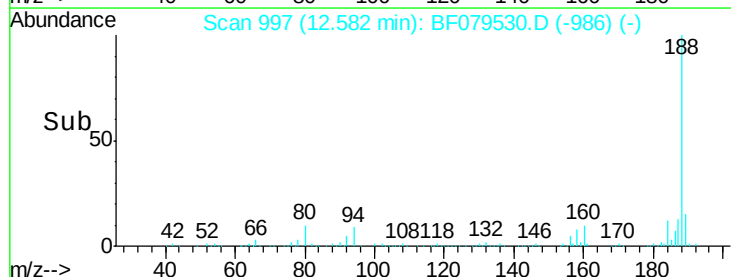
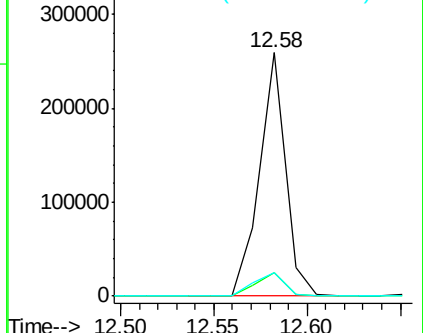
80 9.7 10.5 15.7#

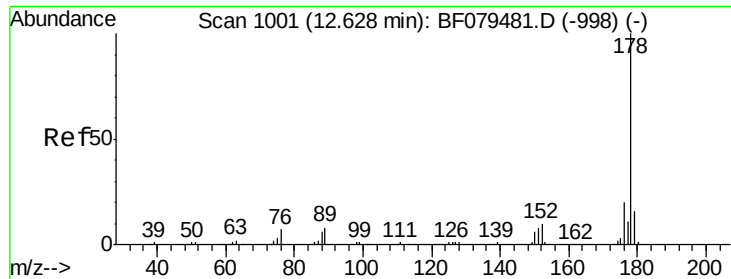


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

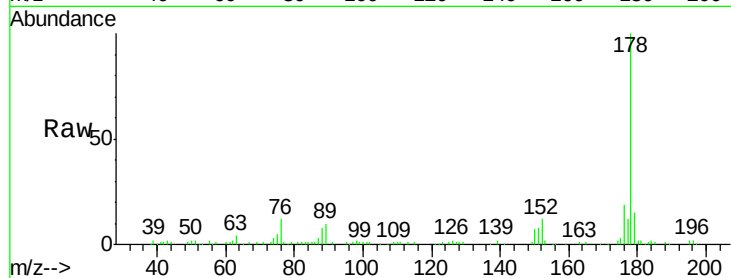




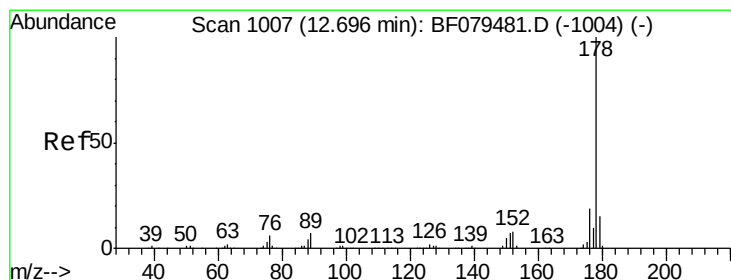
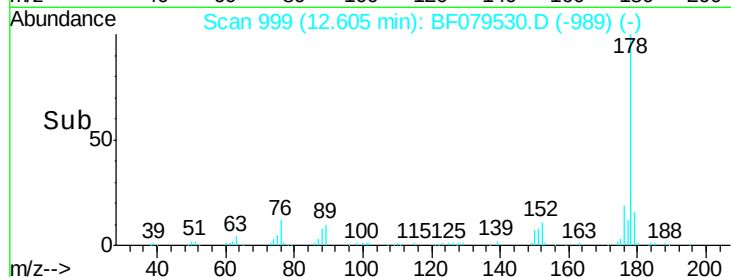
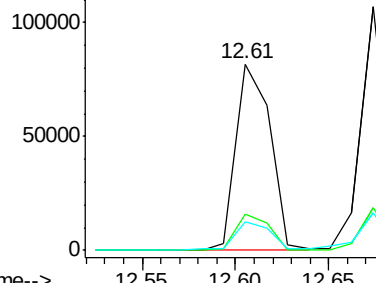
#70
Phenanthrene
Concen: 7.63 ng
RT: 12.61 min Scan# 999
Delta R.T. -0.01 min
Lab File: BF079530.D
Acq: 27 May 2015 20:56

Instrument :
BNA_F
ClientSampleId :
TP-18-SS

Tgt Ion:178 Resp: 104427
Ion Ratio Lower Upper
178 100
176 19.4 15.7 23.5
179 15.5 12.4 18.6

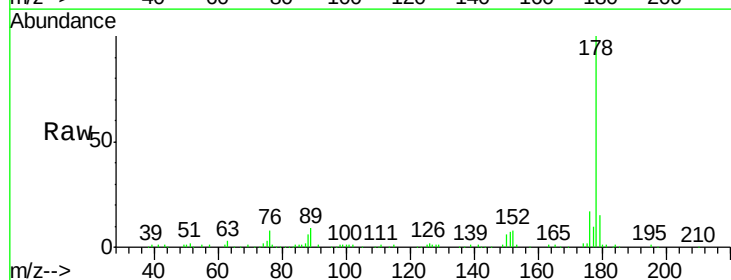


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

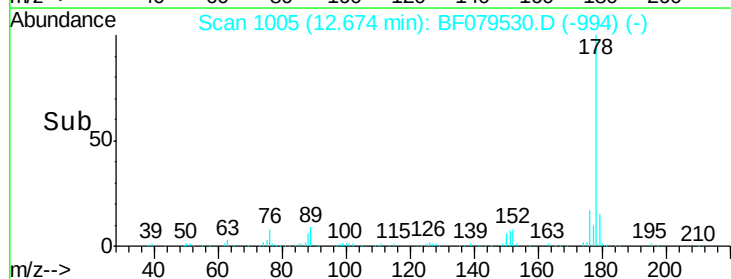
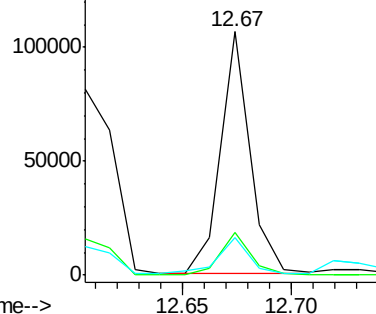


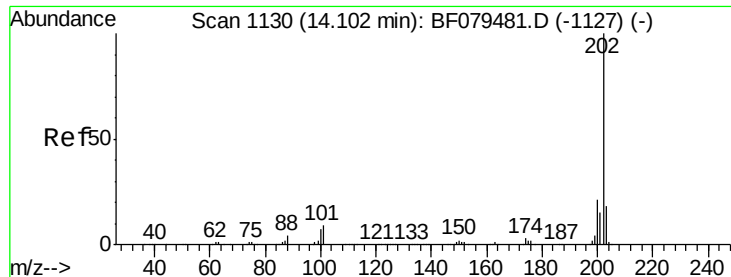
#71
Anthracene
Concen: 7.17 ng
RT: 12.67 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BF079530.D
Acq: 27 May 2015 20:56

Tgt Ion:178 Resp: 99758
Ion Ratio Lower Upper
178 100
176 17.5 15.3 22.9
179 15.4 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: 16.14 ng

RT: 14.08 min Scan# 1128

Delta R.T. -0.01 min

Lab File: BF079530.D

Acq: 27 May 2015 20:56

Instrument :

BNA_F

ClientSampled :

TP-18-SS

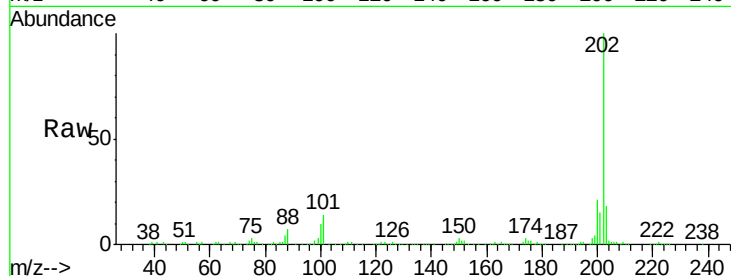
Tgt Ion:202 Resp: 237095

Ion Ratio Lower Upper

202 100

101 14.5 0.0 29.3

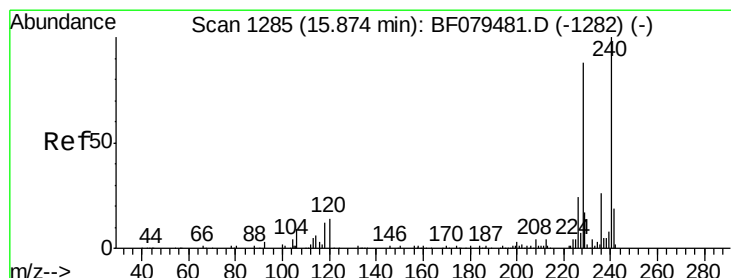
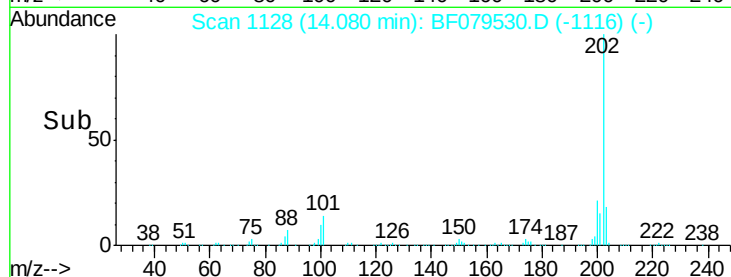
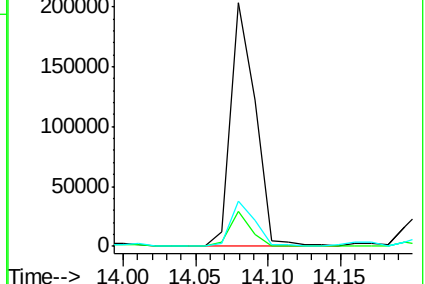
203 18.5 0.0 37.6



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: 15.89 min Scan# 1286

Delta R.T. -0.06 min

Lab File: BF079530.D

Acq: 27 May 2015 20:56

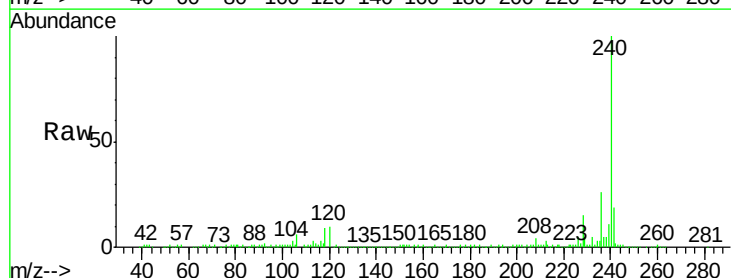
Tgt Ion:240 Resp: 268313

Ion Ratio Lower Upper

240 100

120 9.9 10.8 16.2#

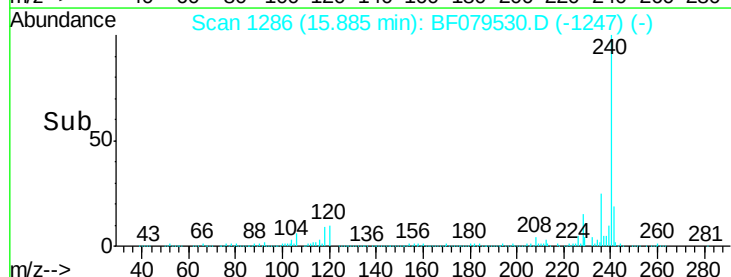
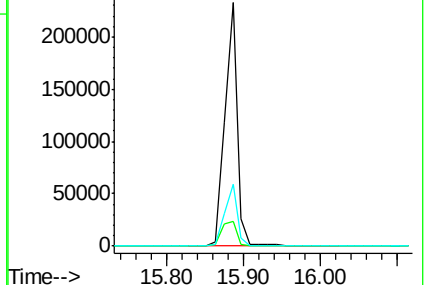
236 25.7 21.0 31.6

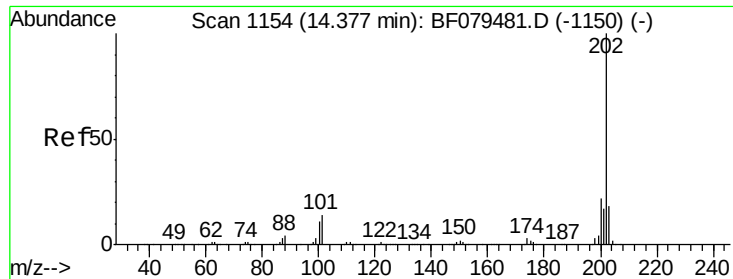


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

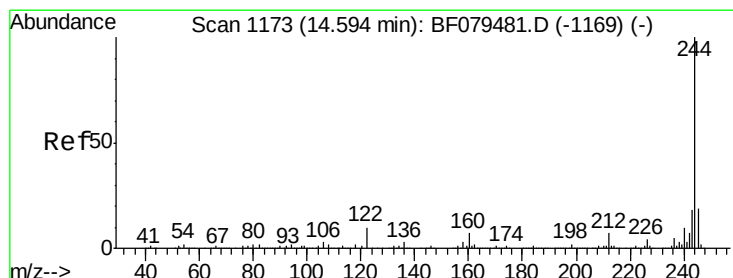
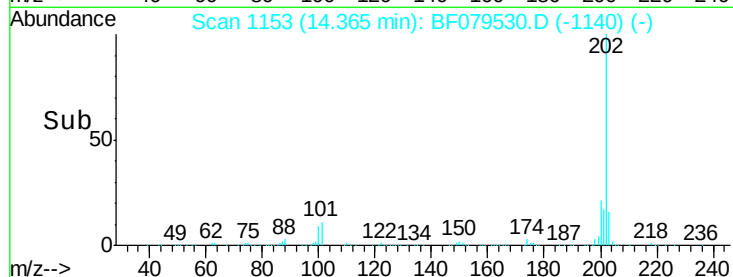
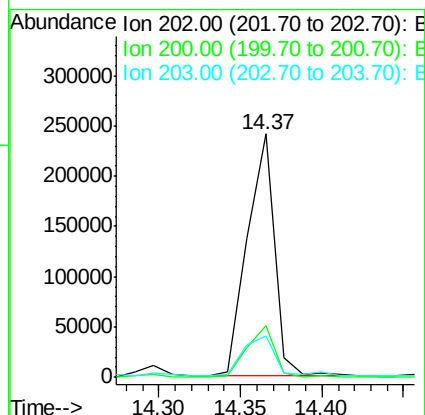
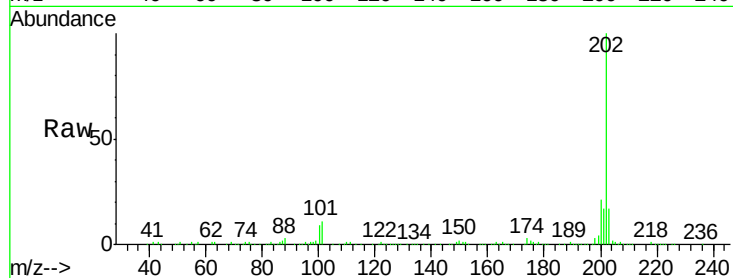




#77
 Pyrene
 Concen: 16.76 ng
 RT: 14.37 min Scan# 1153
 Delta R.T. -0.00 min
 Lab File: BF079530.D
 Acq: 27 May 2015 20:56

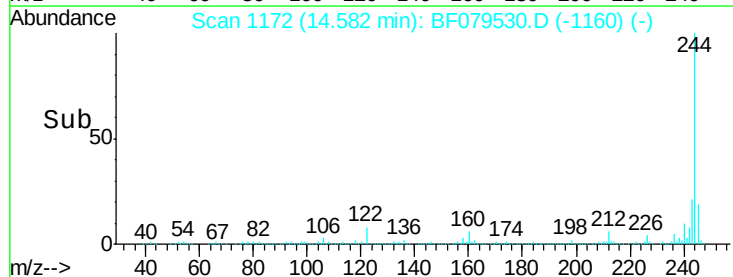
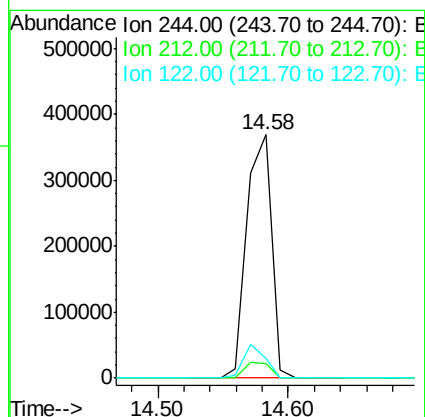
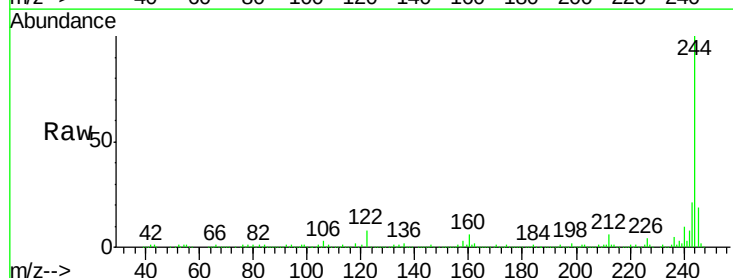
Instrument :
 BNA_F
 ClientSampleId :
 TP-18-SS

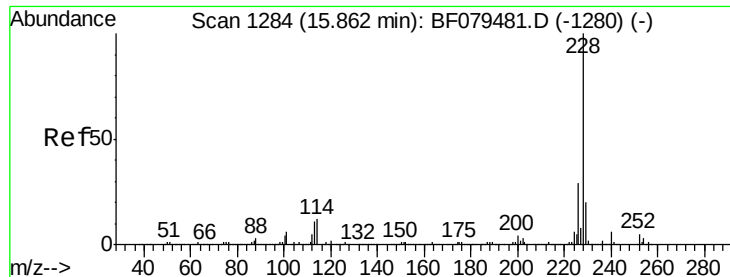
Tgt Ion: 202 Resp: 278639
 Ion Ratio Lower Upper
 202 100
 200 21.0 17.5 26.3
 203 17.1 14.4 21.6



#78
 Terphenyl-d14
 Concen: 42.62 ng
 RT: 14.58 min Scan# 1172
 Delta R.T. -0.01 min
 Lab File: BF079530.D
 Acq: 27 May 2015 20:56

Tgt Ion: 244 Resp: 487219
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.2 7.8
 122 7.8 8.0 12.0#





#80

Benzo(a)anthracene

Concen: 15.42 ng

RT: 15.92 min Scan# 1289

Delta R.T. -0.01 min

Lab File: BF079530.D

Acq: 27 May 2015 20:56

Instrument :

BNA_F

ClientSampleId :

TP-18-SS

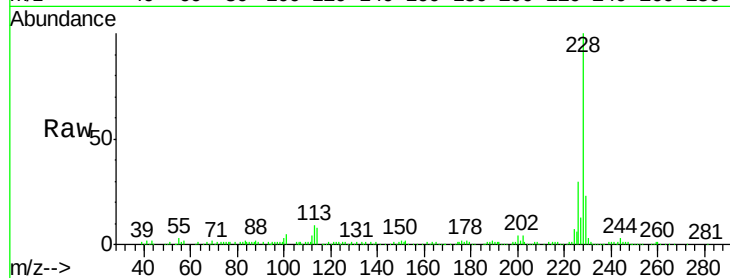
Tgt Ion:228 Resp: 238046

Ion Ratio Lower Upper

228 100

226 30.3 22.8 34.2

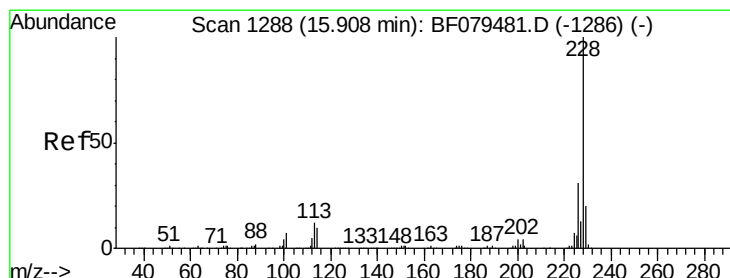
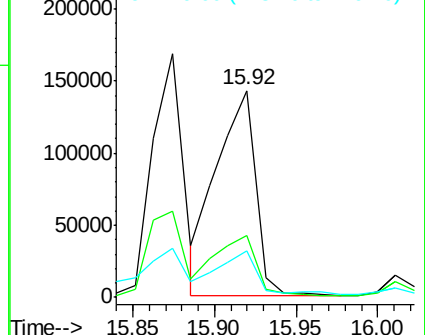
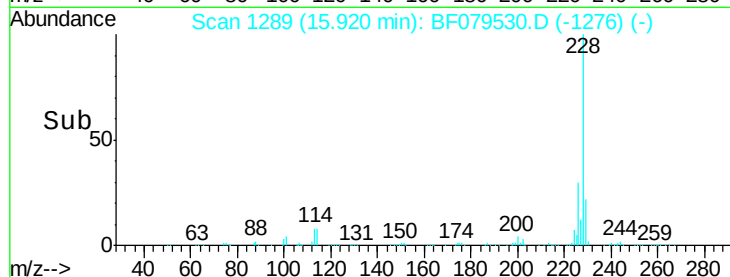
229 22.5 15.9 23.9



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: 16.17 ng

RT: 15.92 min Scan# 1289

Delta R.T. -0.06 min

Lab File: BF079530.D

Acq: 27 May 2015 20:56

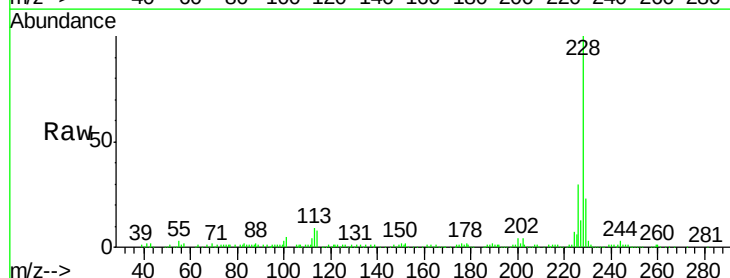
Tgt Ion:228 Resp: 237204

Ion Ratio Lower Upper

228 100

226 30.3 25.0 37.4

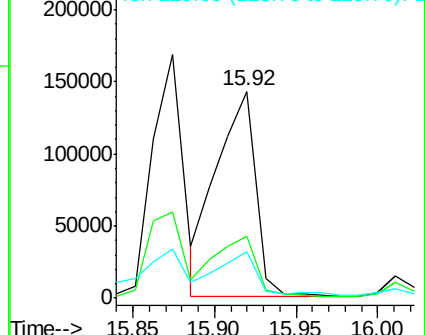
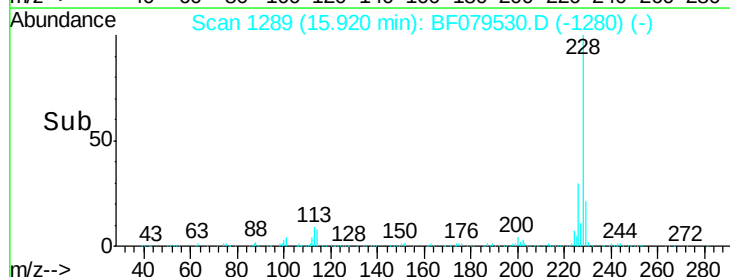
229 22.5 15.9 23.9

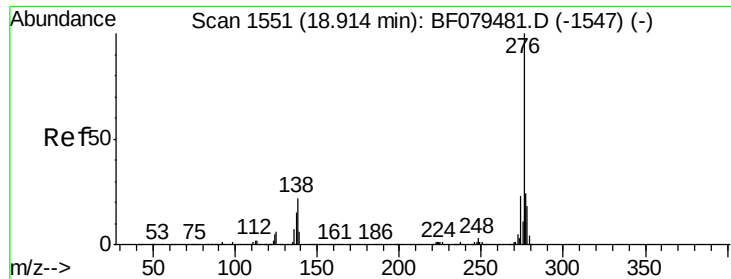


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

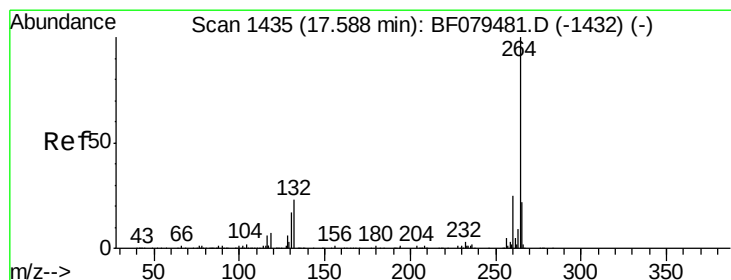
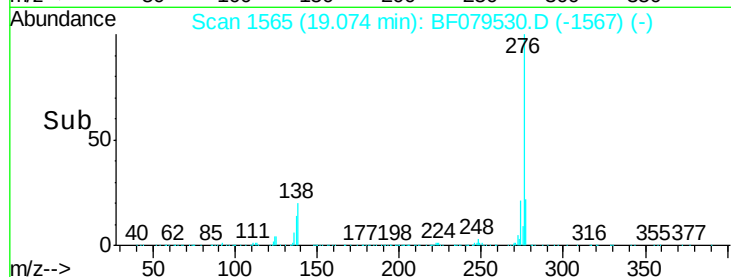
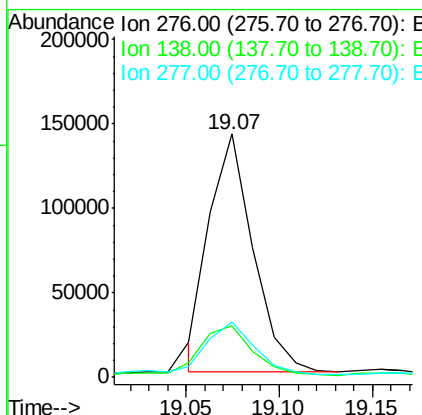
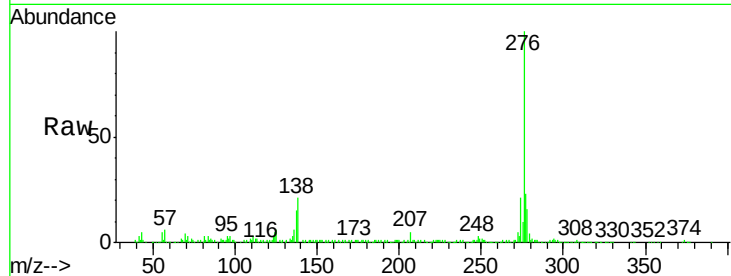




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 12.26 ng
 RT: 19.07 min Scan# 1565
 Delta R.T. -0.23 min
 Lab File: BF079530.D
 Acq: 27 May 2015 20:56

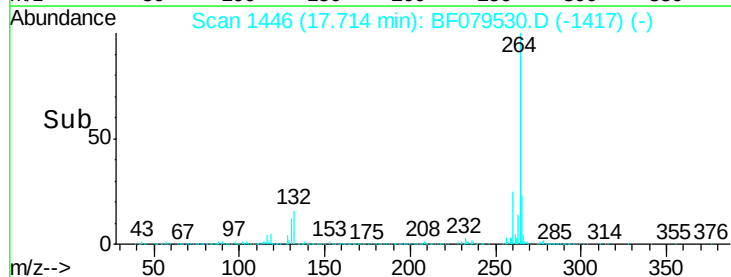
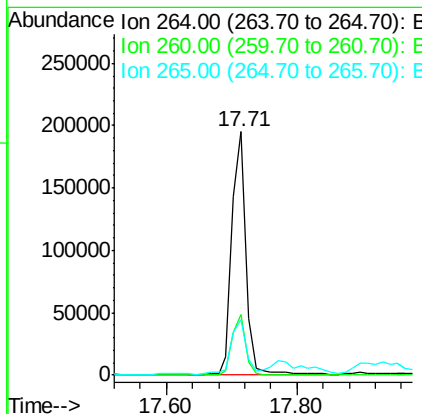
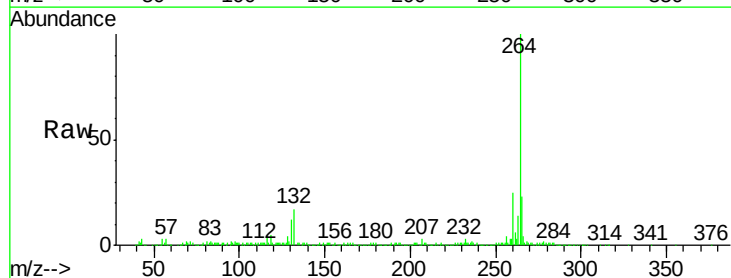
Instrument :
 BNA_F
 ClientSampleId :
 TP-18-SS

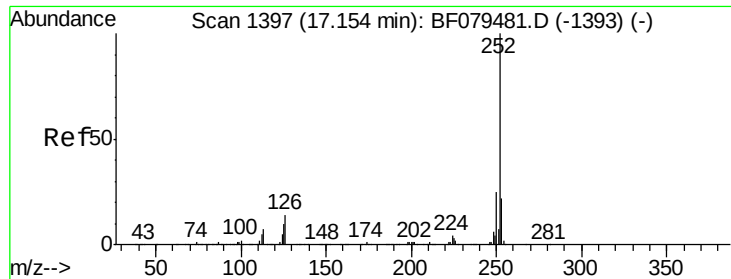
Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.1	21.4	32.2
277	23.1	19.8	29.6



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.71 min Scan# 1446
 Delta R.T. -0.17 min
 Lab File: BF079530.D
 Acq: 27 May 2015 20:56

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.8	29.8
265	23.0	17.8	26.6

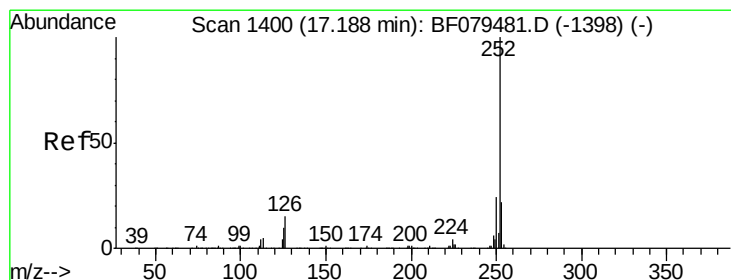
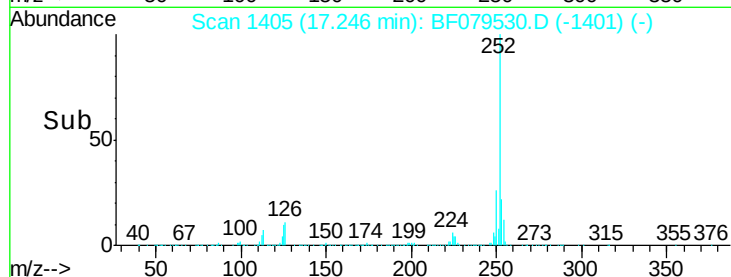
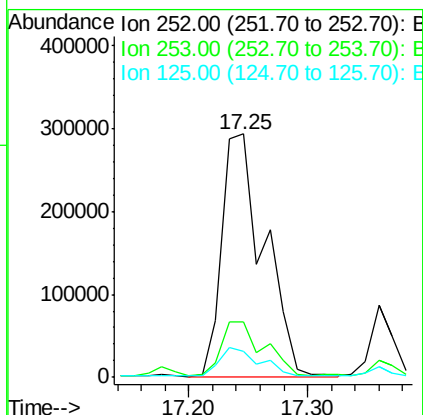
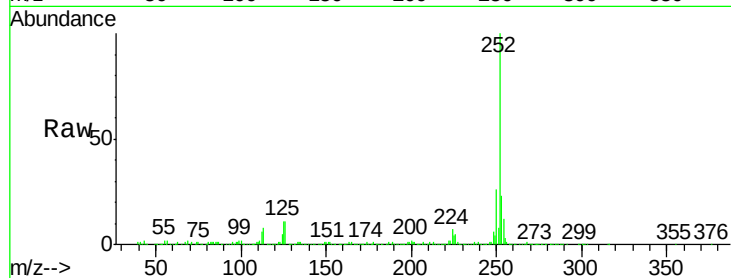




#87
Benzo(b)fluoranthene
Concen: 44.10 ng
RT: 17.25 min Scan# 1405
Delta R.T. -0.14 min
Lab File: BF079530.D
Acq: 27 May 2015 20:56

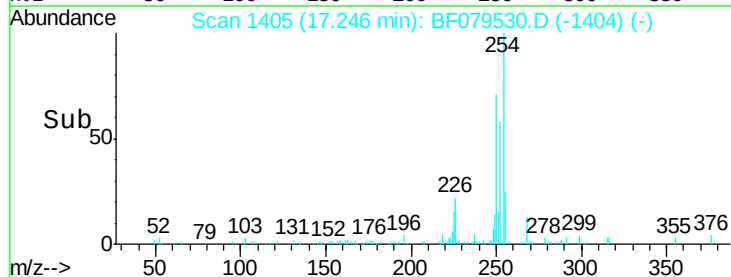
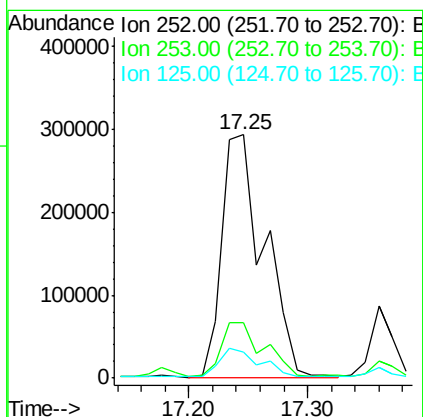
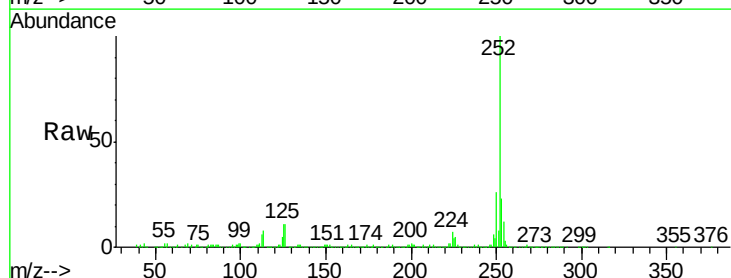
Instrument :
BNA_F
ClientSampleId :
TP-18-SS

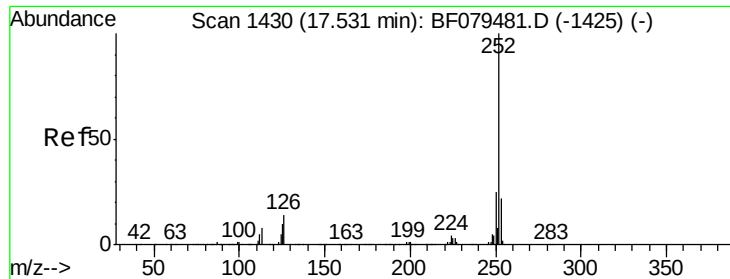
Tgt Ion:252 Resp: 721919
Ion Ratio Lower Upper
252 100
253 22.5 17.6 26.4
125 10.9 7.8 11.6



#88
Benzo(k)fluoranthene
Concen: 49.32 ng
RT: 17.25 min Scan# 1405
Delta R.T. -0.17 min
Lab File: BF079530.D
Acq: 27 May 2015 20:56

Tgt Ion:252 Resp: 721919
Ion Ratio Lower Upper
252 100
253 22.5 17.2 25.8
125 10.9 6.8 10.2#

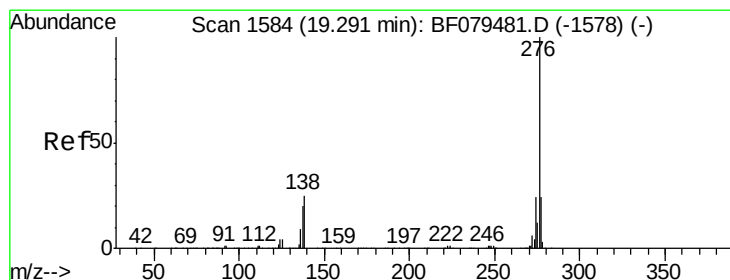
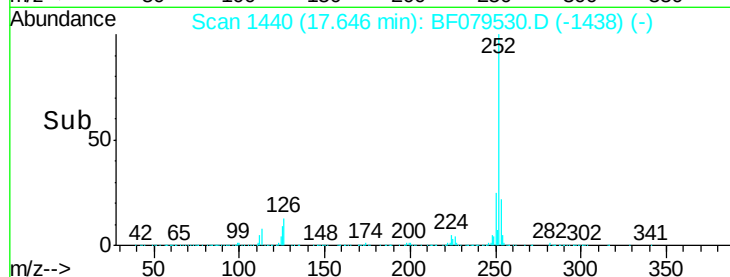
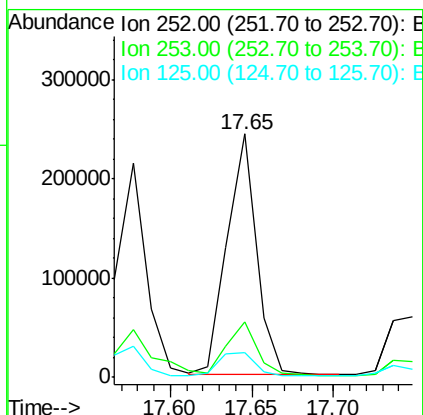
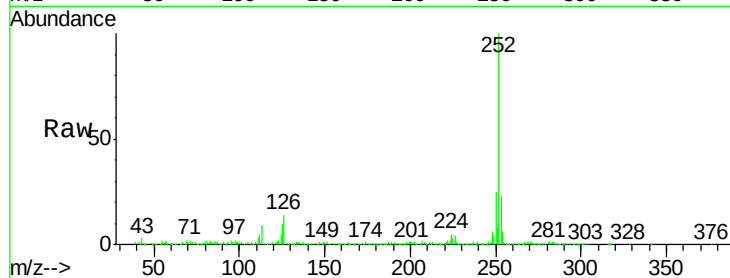




#89
Benzo(a)pyrene
Concen: 20.15 ng
RT: 17.65 min Scan# 1440
Delta R.T. -0.16 min
Lab File: BF079530.D
Acq: 27 May 2015 20:56

Instrument :
BNA_F
ClientSampleId :
TP-18-SS

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.8
125	10.1	7.9	11.9



#91
Benzo(g,h,i)perylene
Concen: 13.56 ng
RT: 19.46 min Scan# 1599
Delta R.T. -0.23 min
Lab File: BF079530.D
Acq: 27 May 2015 20:56

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.2	19.1	28.7
138	21.2	20.1	30.1

