

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053115\
 Data File : BF079643.D
 Acq On : 31 May 2015 20:05
 Operator : TP/IZ
 Sample : G2408-17
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-18D

Quant Time: Jun 01 04:48:11 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 01 04:06:42 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	62068	20.00	ng	0.00
21) Naphthalene-d8	8.48	136	255834	20.00	ng	0.00
38) Acenaphthene-d10	10.65	164	128824	20.00	ng	0.00
63) Phenanthrene-d10	12.48	188	248989	20.00	ng	0.00
75) Chrysene-d12	15.76	240	262195	20.00	ng	0.01
86) Perylene-d12	17.51	264	281636	20.00	ng	0.07

System Monitoring Compounds						
5) 2-Fluorophenol	5.18	112	347653	97.15	ng	0.01
7) Phenol-d6	6.51	99	471624	103.40	ng	0.01
23) Nitrobenzene-d5	7.61	82	244534	55.25	ng	0.00
41) 2,4,6-Tribromophenol	11.63	330	143320	101.29	ng	0.00
44) 2-Fluorobiphenyl	9.83	172	402267	44.55	ng	0.00
78) Terphenyl-d14	14.48	244	447674	40.07	ng	0.01

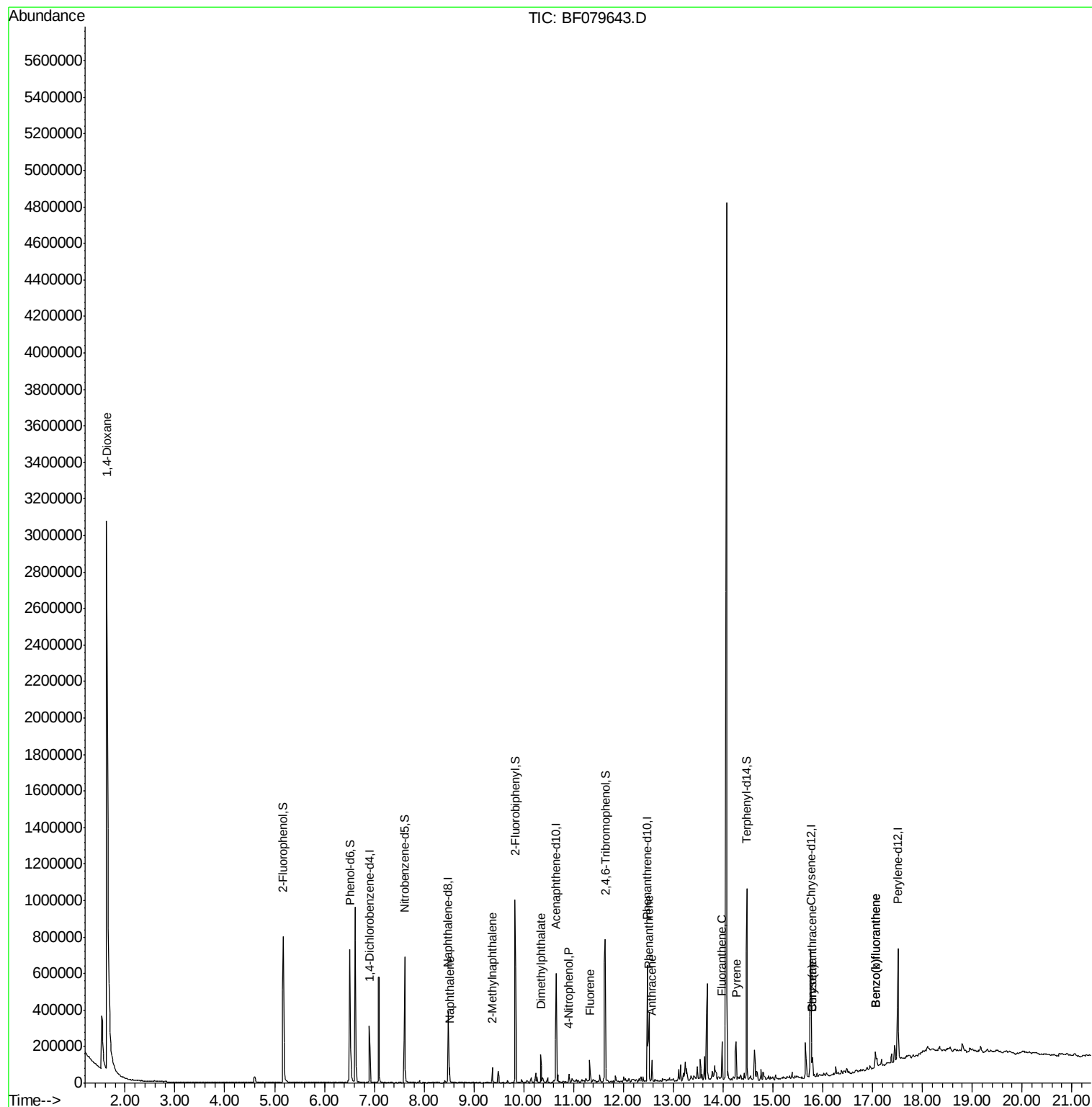
Target Compounds						Qvalue
2) 1,4-Dioxane	1.63	88	153576	90.22	ng	# 100
31) Naphthalene	8.51	128	38050	3.10	ng	99
37) 2-Methylnaphthalene	9.37	142	24225	2.84	ng	100
49) Dimethylphthalate	10.34	163	82147	8.65	ng	99
55) 4-Nitrophenol	10.90	139	8069	5.90	ng	# 12
57) Fluorene	11.33	166	35907	3.92	ng	95
70) Phenanthrene	12.51	178	182842	13.39	ng	99
71) Anthracene	12.57	178	54657	3.94	ng	98
73) Di-n-butylphthalate	13.25	149	693	Below Cal	#	10
74) Fluoranthene	13.98	202	115845	7.91	ng	95
77) Pyrene	14.26	202	104953	6.46	ng	99
80) Benzo(a)anthracene	15.79	228	46475	3.08	ng	95
82) Chrysene	15.79	228	46985	3.28	ng	98
87) Benzo(b)fluoranthene	17.06	252	70511	4.39	ng	# 97
88) Benzo(k)fluoranthene	17.06	252	70511	4.91	ng	# 96
90) Dibenzo(a,h)anthracene	18.81	278	8264	Below Cal	#	81
91) Benzo(g,h,i)perylene	19.17	276	22913	Below Cal	#	94

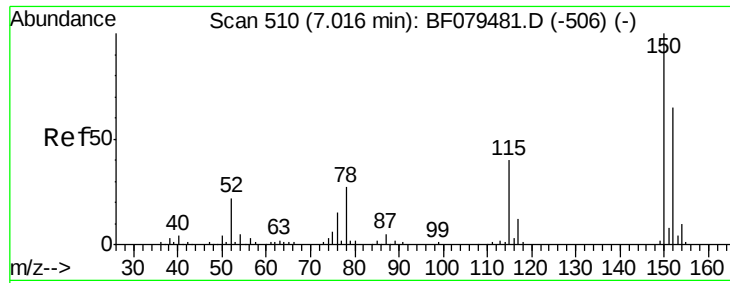
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF053115\
Data File : BF079643.D
Acq On : 31 May 2015 20:05
Operator : TP/IZ
Sample : G2408-17
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-18D

Quant Time: Jun 01 04:48:11 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 01 04:06:42 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 500

Delta R.T. 0.00 min

Lab File: BF079643.D

Acq: 31 May 2015 20:05

Instrument :

BNA_F

ClientSampled :

SB-18D

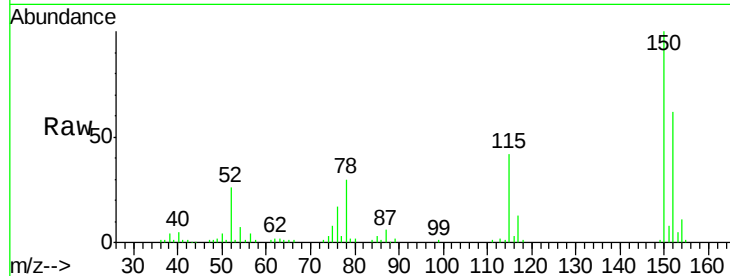
Tgt Ion:152 Resp: 62068

Ion Ratio Lower Upper

152 100

150 160.6 124.0 186.0

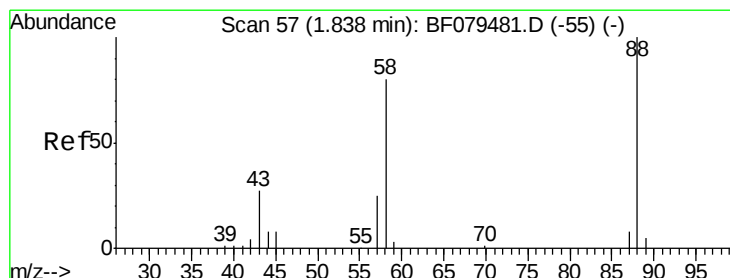
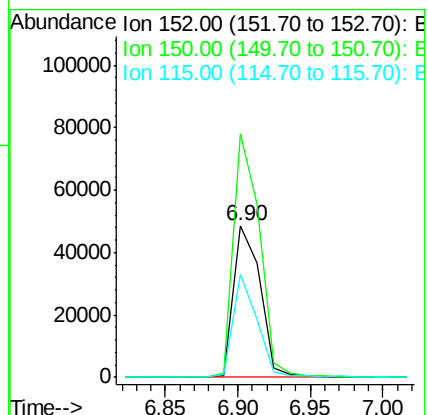
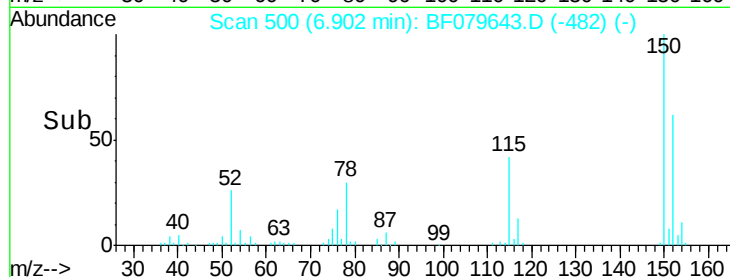
115 67.5 49.6 74.4



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



#2

1,4-Dioxane

Concen: 90.22 ng

RT: 1.63 min Scan# 39

Delta R.T. -0.06 min

Lab File: BF079643.D

Acq: 31 May 2015 20:05

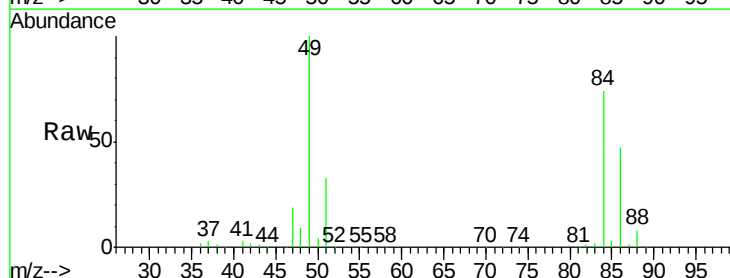
Tgt Ion: 88 Resp: 153576

Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

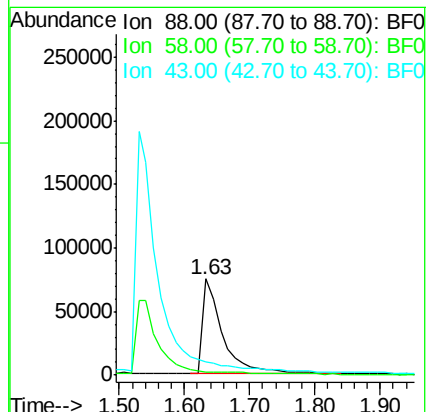
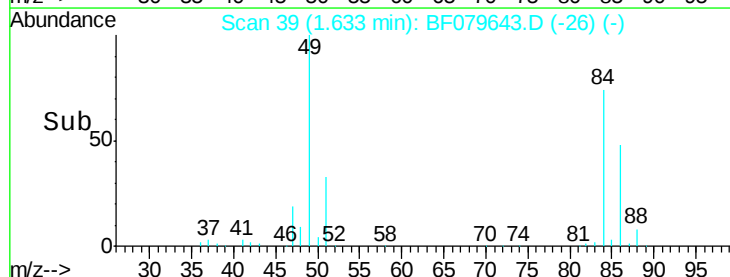
43 0.0 0.0 0.0

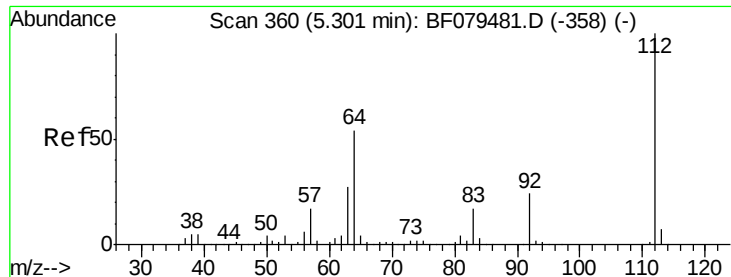


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 97.15 ng

RT: 5.18 min Scan# 349

Delta R.T. 0.01 min

Lab File: BF079643.D

Acq: 31 May 2015 20:05

Instrument :

BNA_F

ClientSampleId :

SB-18D

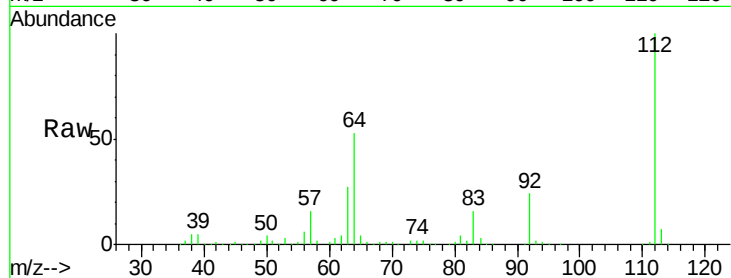
Tgt Ion: 112 Resp: 347653

Ion Ratio Lower Upper

112 100

64 52.8 43.5 65.3

63 26.8 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

300000

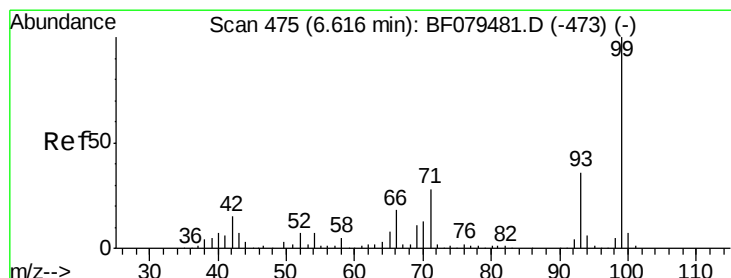
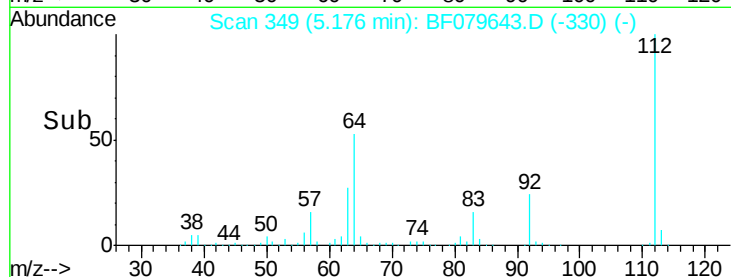
200000

100000

0

5.10 5.20 5.30

Time-->



#7

Phenol-d6

Concen: 103.40 ng

RT: 6.51 min Scan# 466

Delta R.T. 0.01 min

Lab File: BF079643.D

Acq: 31 May 2015 20:05

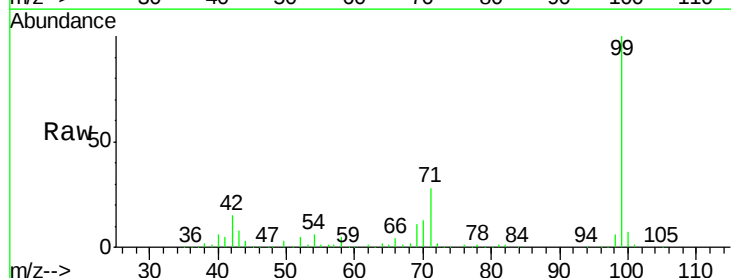
Tgt Ion: 99 Resp: 471624

Ion Ratio Lower Upper

99 100

42 14.8 11.9 17.9

71 27.9 22.1 33.1



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

400000

300000

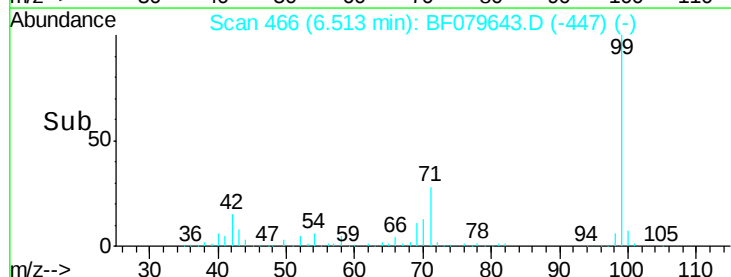
200000

100000

0

6.40 6.50 6.60 6.70

Time-->

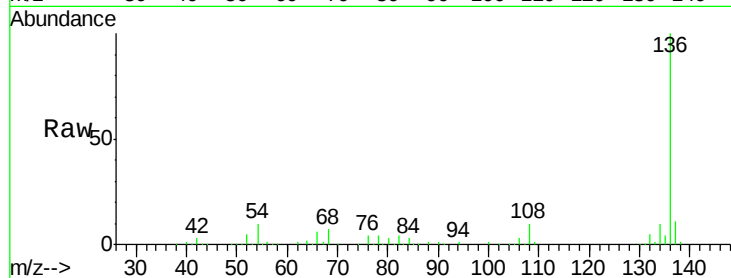




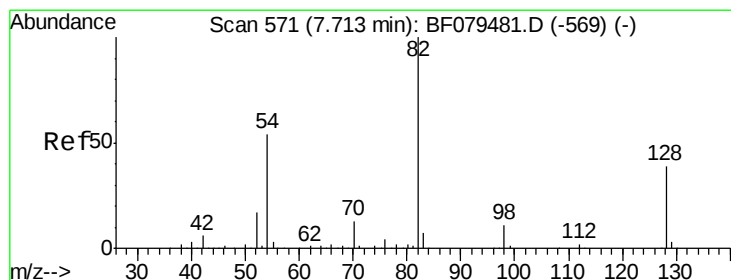
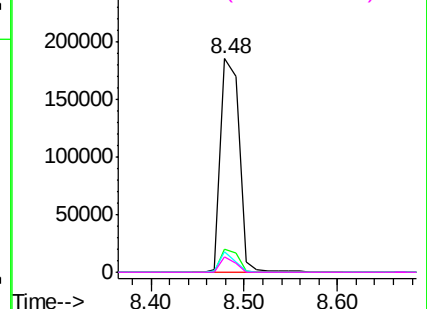
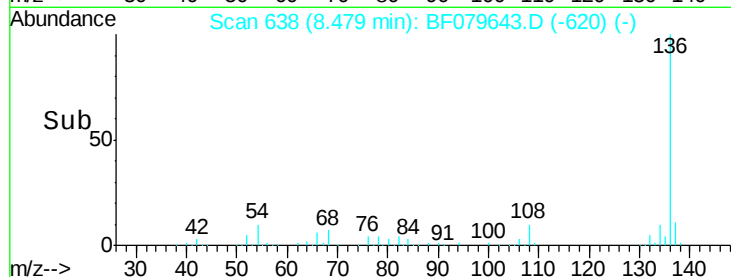
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.48 min Scan# 638
Delta R.T. 0.00 min
Lab File: BF079643.D
Acq: 31 May 2015 20:05

Instrument :
BNA_F
ClientSampleId :
SB-18D

Tgt Ion:	136	Resp:	255834
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	9.6	6.6	9.8
68	7.2	4.7	7.1#

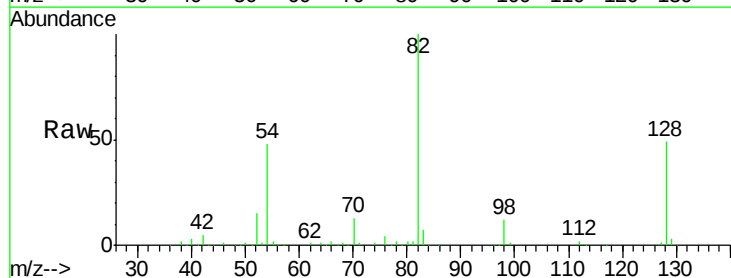


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

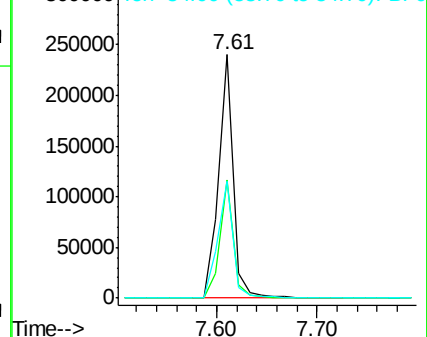
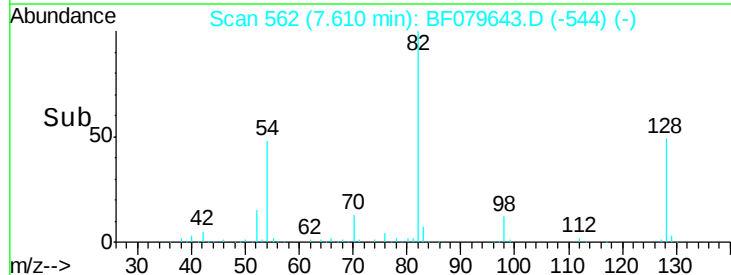


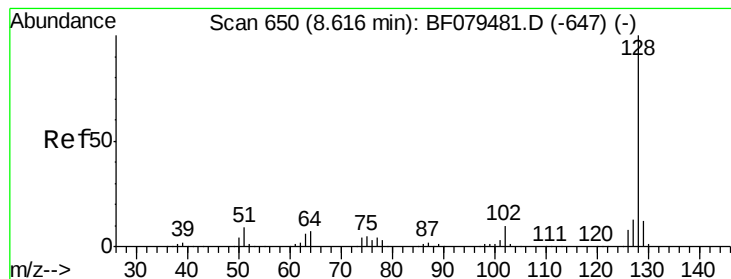
#23
Nitrobenzene-d5
Concen: 55.25 ng
RT: 7.61 min Scan# 562
Delta R.T. 0.00 min
Lab File: BF079643.D
Acq: 31 May 2015 20:05

Tgt Ion:	82	Resp:	244534
Ion	Ratio	Lower	Upper
82	100		
128	48.5	30.8	46.2#
54	47.9	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: 3.10 ng

RT: 8.51 min Scan# 641

Delta R.T. 0.00 min

Lab File: BF079643.D

Acq: 31 May 2015 20:05

Instrument :

BNA_F

ClientSampleId :

SB-18D

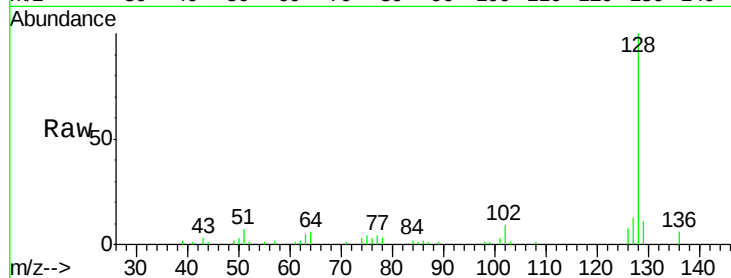
Tgt Ion:128 Resp: 38050

Ion Ratio Lower Upper

128 100

129 10.9 9.3 13.9

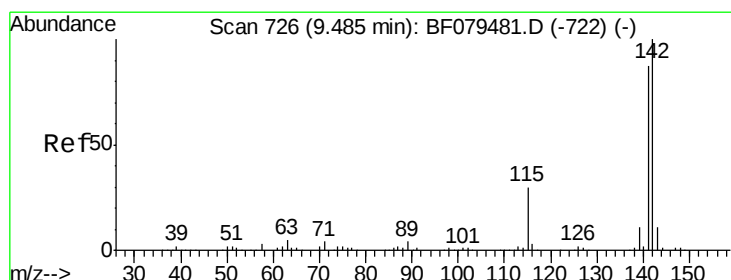
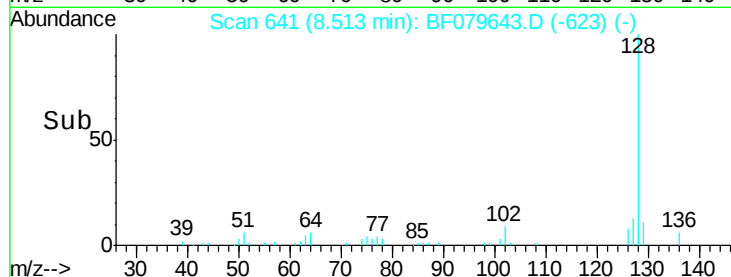
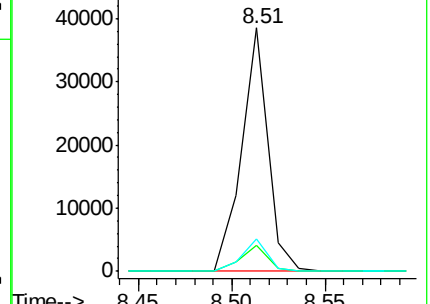
127 13.4 10.6 15.8



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: 2.84 ng

RT: 9.37 min Scan# 716

Delta R.T. 0.00 min

Lab File: BF079643.D

Acq: 31 May 2015 20:05

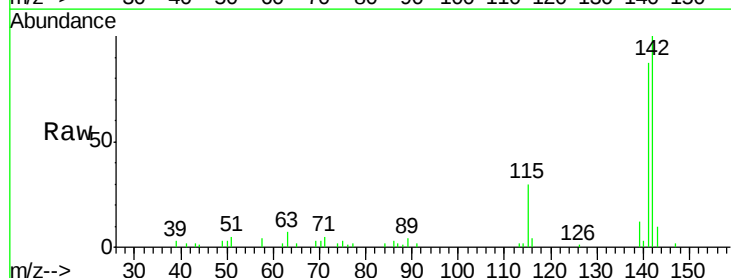
Tgt Ion:142 Resp: 24225

Ion Ratio Lower Upper

142 100

141 87.1 69.5 104.3

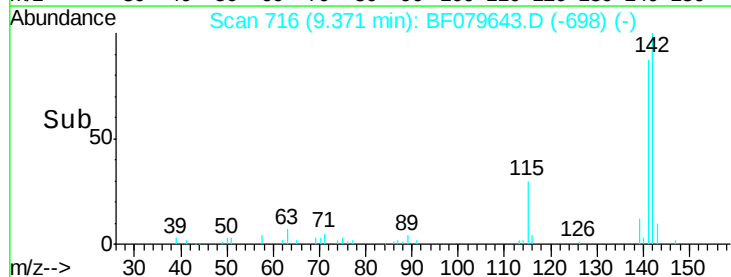
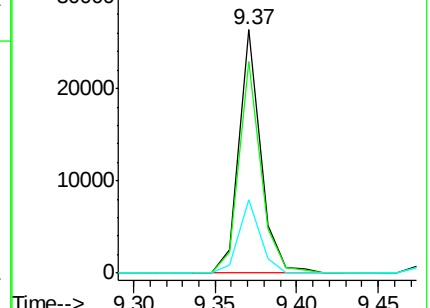
115 30.4 23.8 35.6

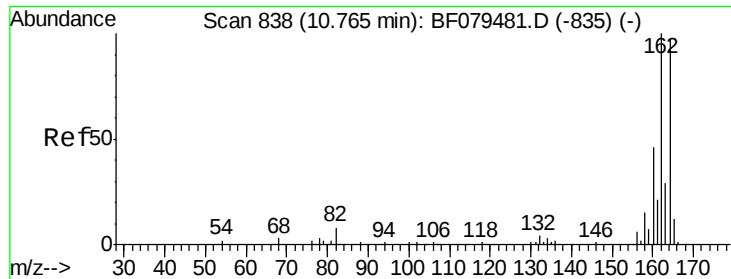


Abundance Ion 142.00 (141.70 to 142.70): E

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: 10.65 min Scan# 828

Delta R.T. 0.00 min

Lab File: BF079643.D

Acq: 31 May 2015 20:05

Instrument :

BNA_F

ClientSampleId :

SB-18D

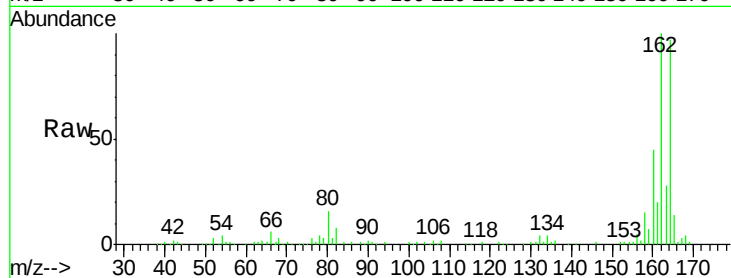
Tgt Ion:164 Resp: 128824

Ion Ratio Lower Upper

164 100

162 103.0 82.6 124.0

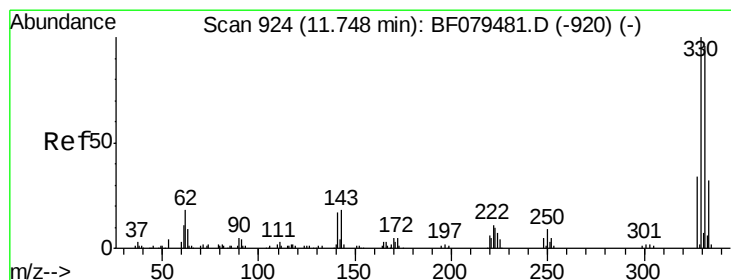
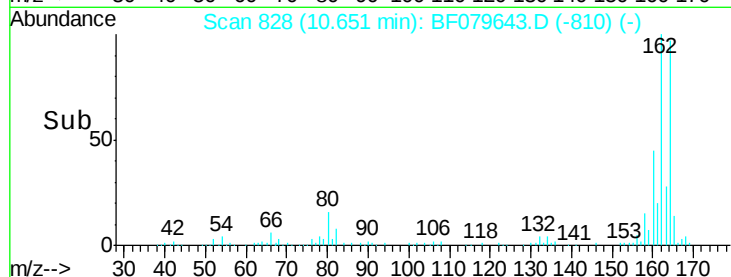
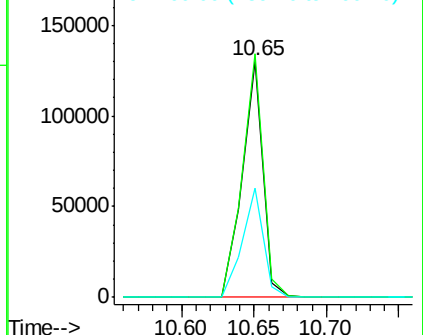
160 46.1 37.7 56.5



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: 101.29 ng

RT: 11.63 min Scan# 914

Delta R.T. 0.00 min

Lab File: BF079643.D

Acq: 31 May 2015 20:05

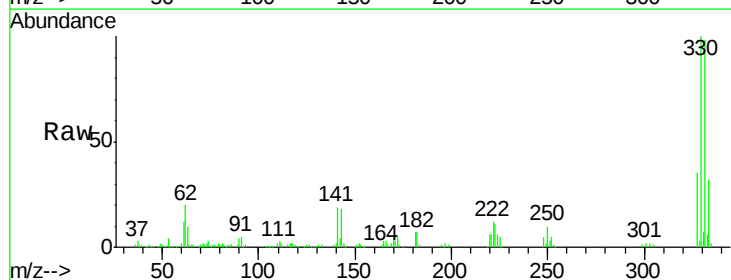
Tgt Ion:330 Resp: 143320

Ion Ratio Lower Upper

330 100

332 94.7 0.0 0.0#

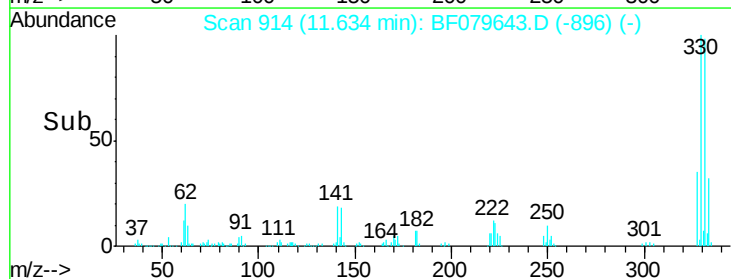
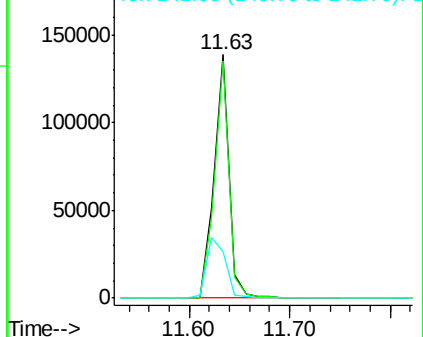
141 31.5 0.0 0.0#

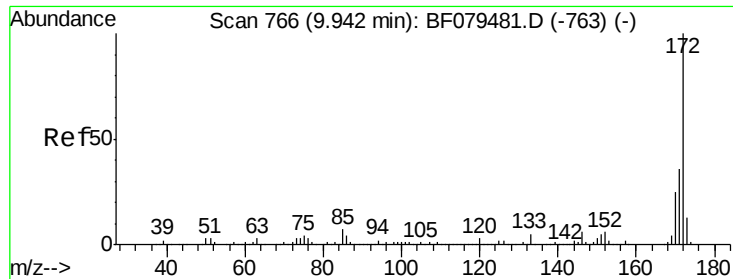


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

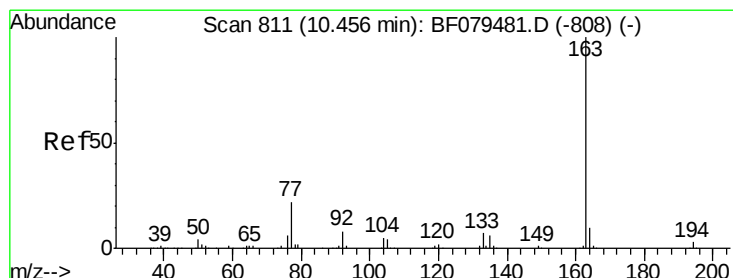
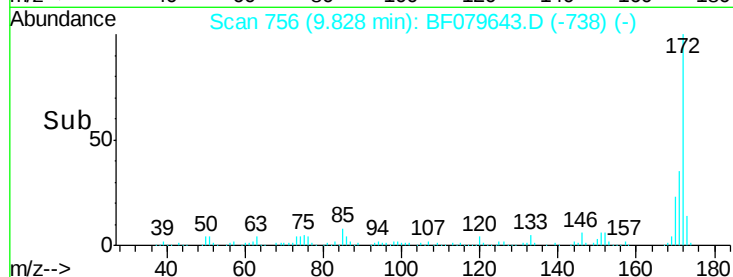
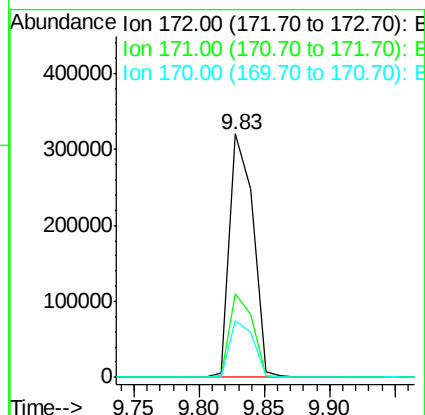
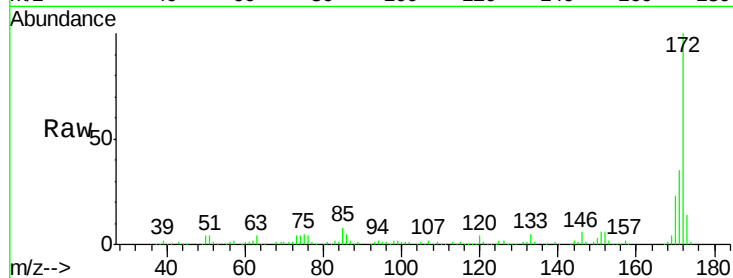




#44
 2-Fluorobiphenyl
 Concen: 44.55 ng
 RT: 9.83 min Scan# 756
 Delta R.T. 0.00 min
 Lab File: BF079643.D
 Acq: 31 May 2015 20:05

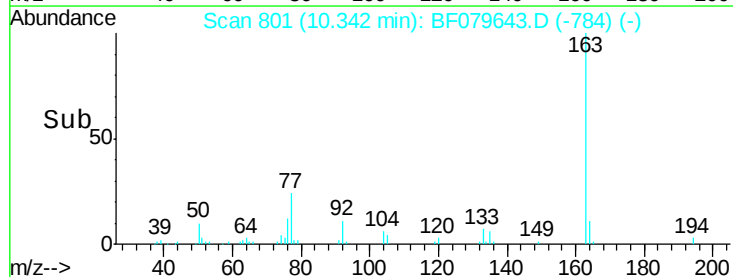
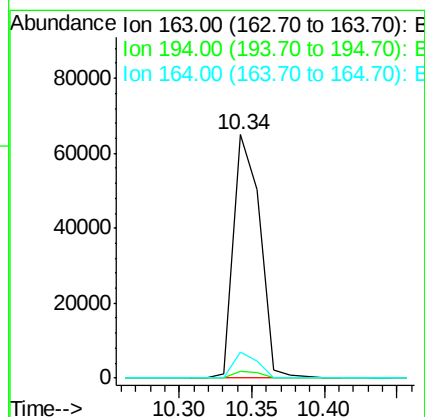
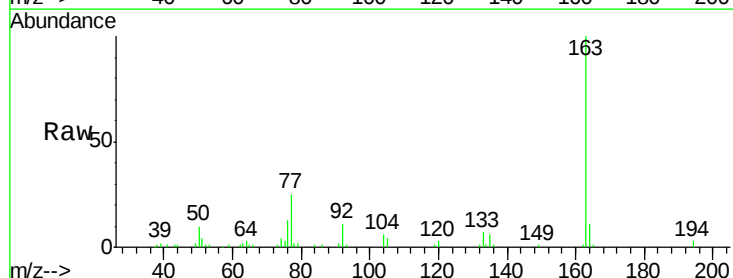
Instrument :
 BNA_F
 ClientSampleId :
 SB-18D

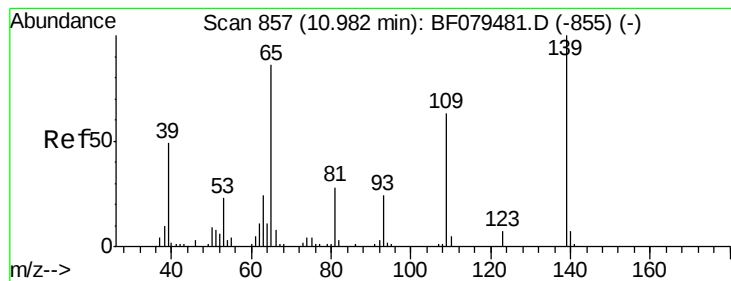
Tgt Ion:172 Resp: 402267
 Ion Ratio Lower Upper
 172 100
 171 34.6 28.5 42.7
 170 23.2 19.7 29.5



#49
 Dimethylphthalate
 Concen: 8.65 ng
 RT: 10.34 min Scan# 801
 Delta R.T. -0.01 min
 Lab File: BF079643.D
 Acq: 31 May 2015 20:05

Tgt Ion:163 Resp: 82147
 Ion Ratio Lower Upper
 163 100
 194 2.8 2.4 3.6
 164 10.6 8.2 12.4





#55

4-Nitrophenol

Concen: 5.90 ng

RT: 10.90 min Scan# 850

Delta R.T. 0.03 min

Lab File: BF079643.D

Acq: 31 May 2015 20:05

Instrument :

BNA_F

ClientSampleId :

SB-18D

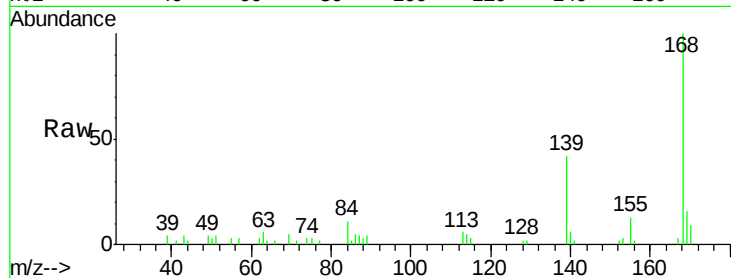
Tgt Ion:139 Resp: 8069

Ion Ratio Lower Upper

139 100

109 0.0 42.8 82.8#

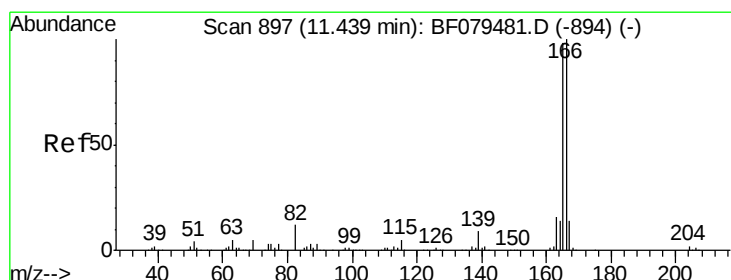
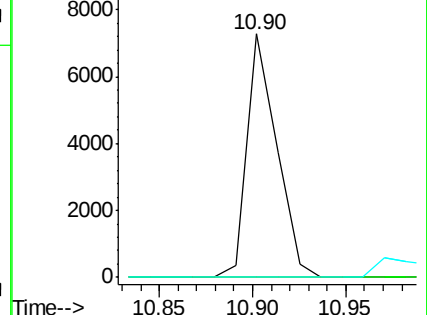
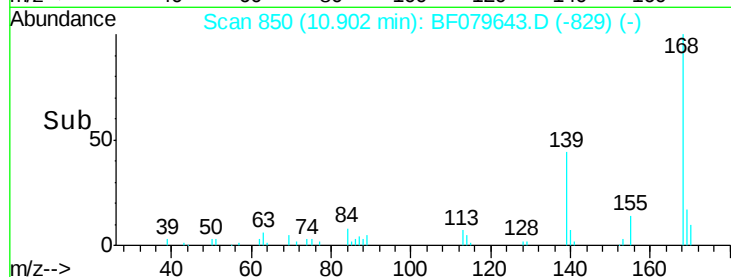
65 0.0 66.3 106.3#



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



#57

Fluorene

Concen: 3.92 ng

RT: 11.33 min Scan# 887

Delta R.T. 0.00 min

Lab File: BF079643.D

Acq: 31 May 2015 20:05

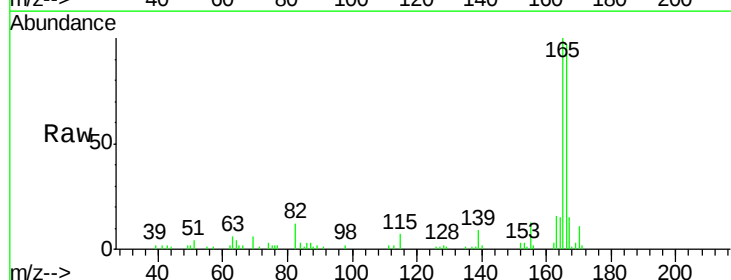
Tgt Ion:166 Resp: 35907

Ion Ratio Lower Upper

166 100

165 103.0 78.6 117.8

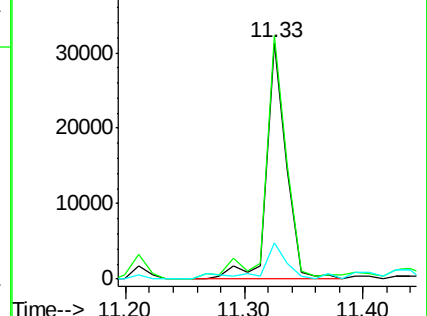
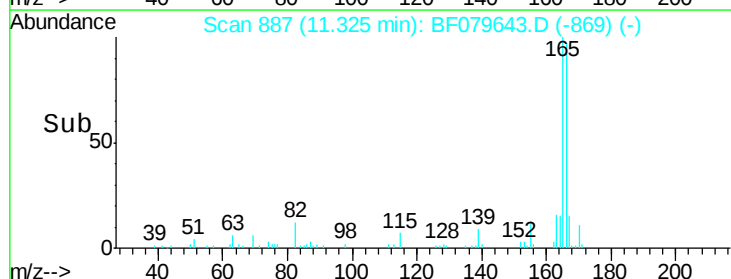
167 15.3 10.8 16.2

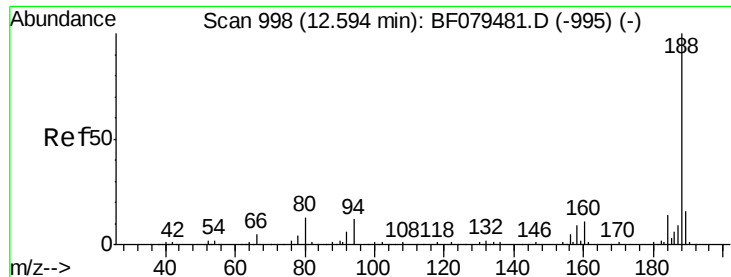


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

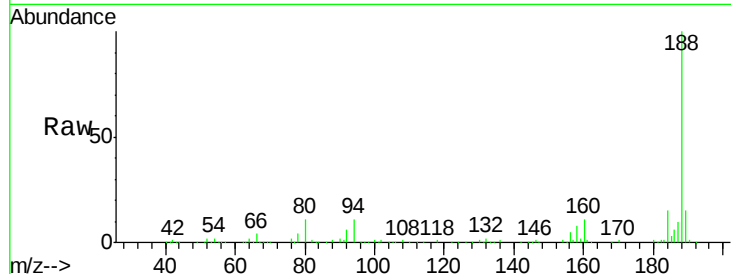




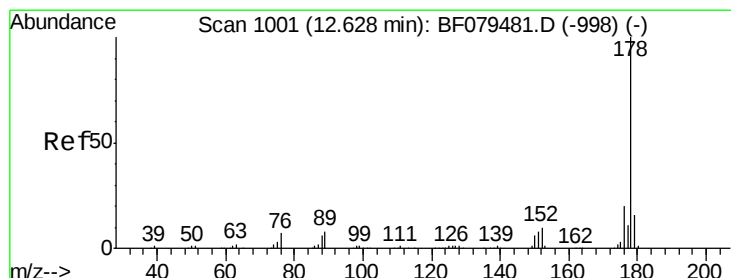
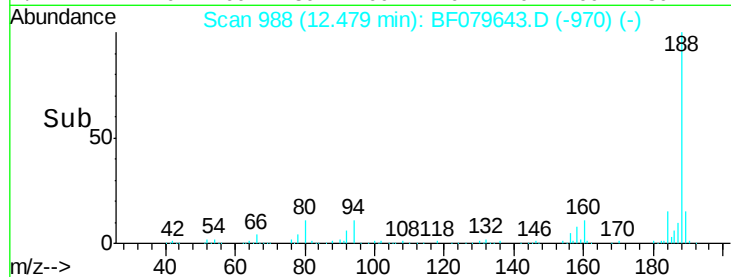
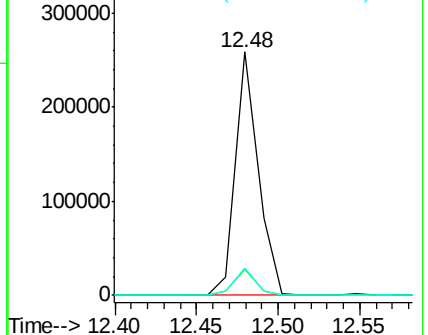
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.48 min Scan# 988
Delta R.T. 0.00 min
Lab File: BF079643.D
Acq: 31 May 2015 20:05

Instrument :
BNA_F
ClientSampleId :
SB-18D

Tgt Ion:188 Resp: 248989
Ion Ratio Lower Upper
188 100
94 10.8 9.8 14.6
80 11.1 10.5 15.7

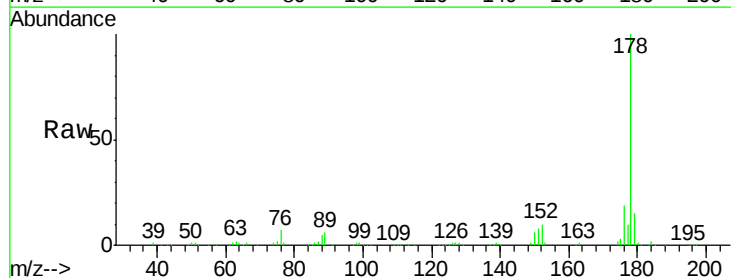


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

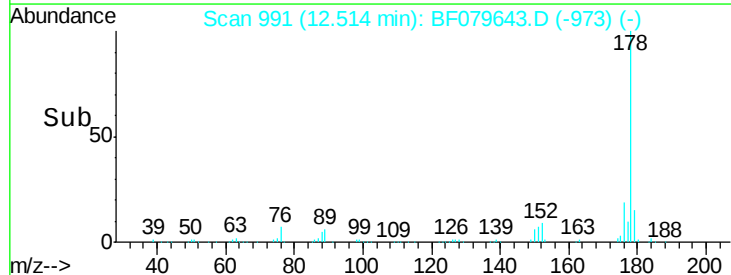
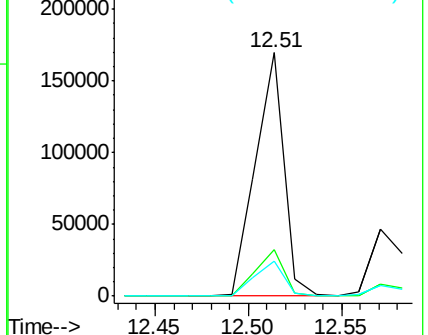


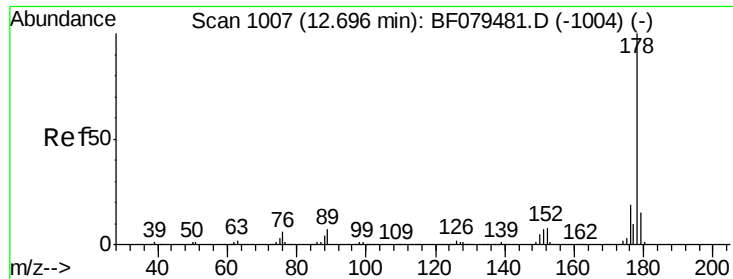
#70
Phenanthrene
Concen: 13.39 ng
RT: 12.51 min Scan# 991
Delta R.T. 0.00 min
Lab File: BF079643.D
Acq: 31 May 2015 20:05

Tgt Ion:178 Resp: 182842
Ion Ratio Lower Upper
178 100
176 19.3 15.7 23.5
179 14.5 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: 3.94 ng

RT: 12.57 min Scan# 996

Delta R.T. 0.00 min

Lab File: BF079643.D

Acq: 31 May 2015 20:05

Instrument :

BNA_F

ClientSampleId :

SB-18D

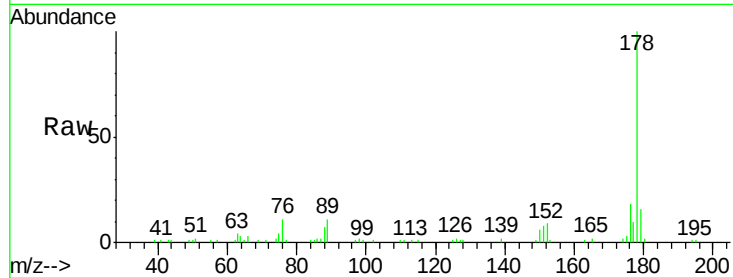
Tgt Ion:178 Resp: 54657

Ion Ratio Lower Upper

178 100

176 18.3 15.3 22.9

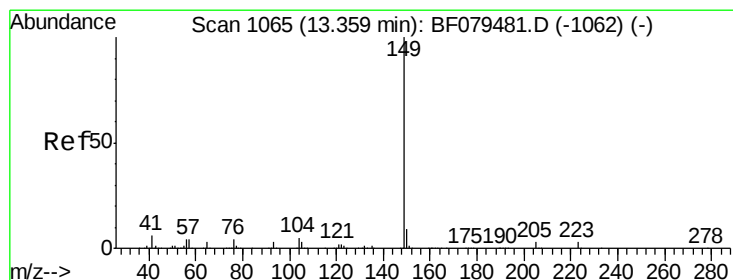
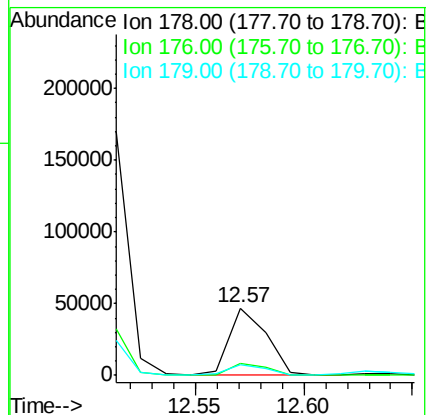
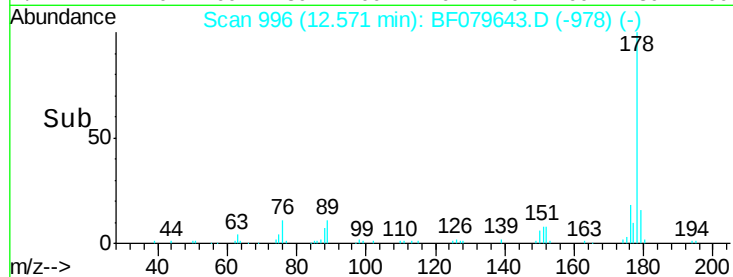
179 16.2 12.2 18.4



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



#73

Di-n-butylphthalate

Concen: Below Cal

RT: 13.25 min Scan# 1055

Delta R.T. 0.00 min

Lab File: BF079643.D

Acq: 31 May 2015 20:05

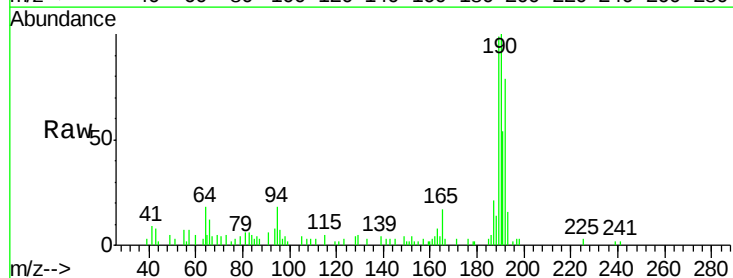
Tgt Ion:149 Resp: 693

Ion Ratio Lower Upper

149 100

150 55.8 7.5 11.3#

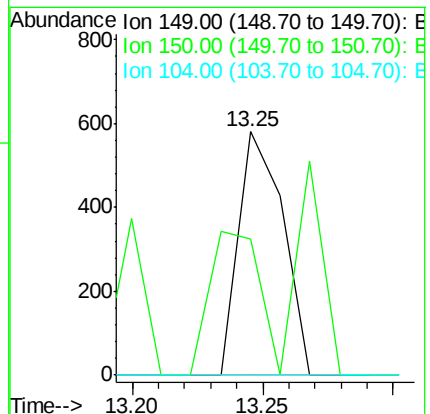
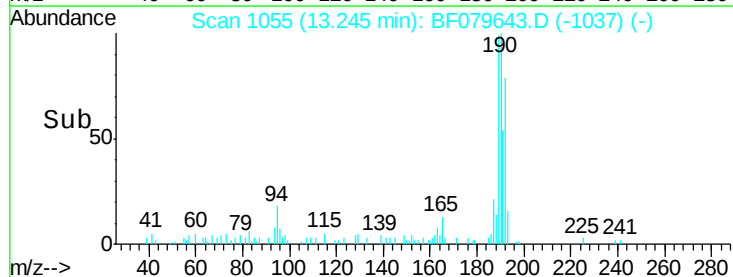
104 0.0 3.6 5.4#

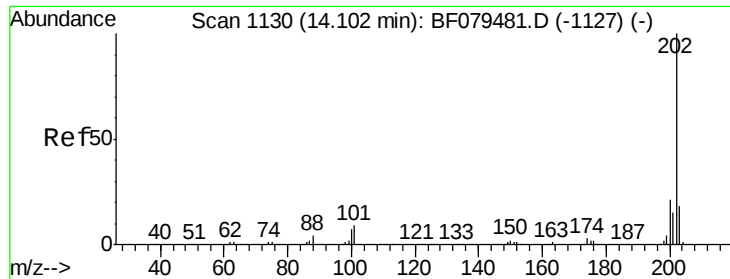


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E

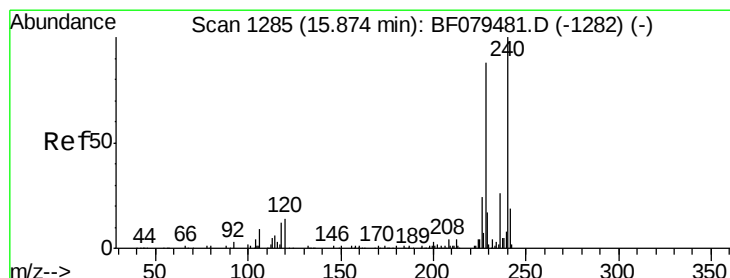
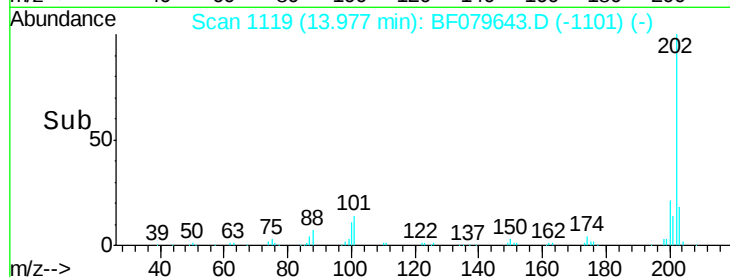
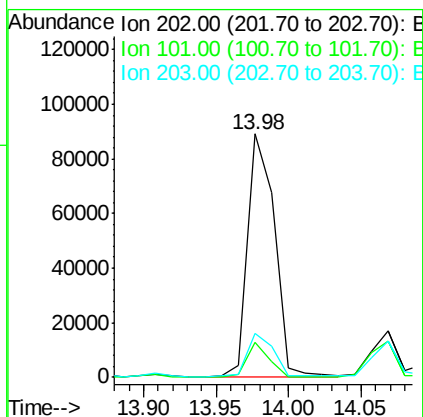
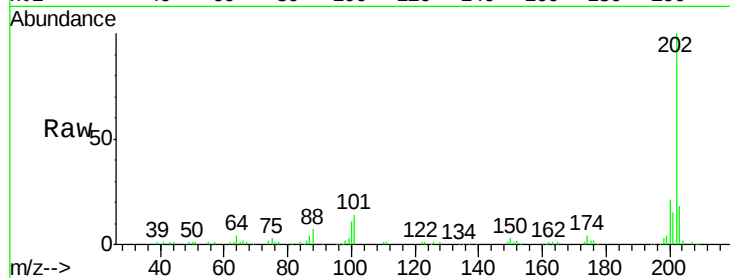




#74
Fluoranthene
Concen: 7.91 ng
RT: 13.98 min Scan# 1119
Delta R.T. 0.00 min
Lab File: BF079643.D
Acq: 31 May 2015 20:05

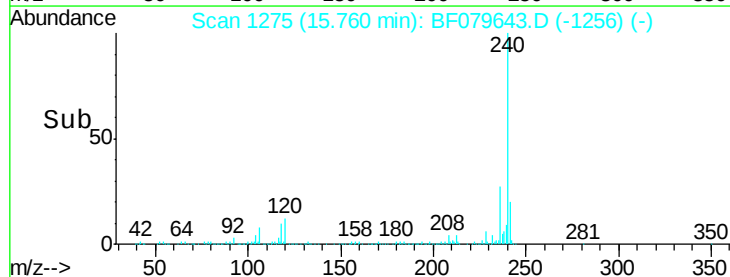
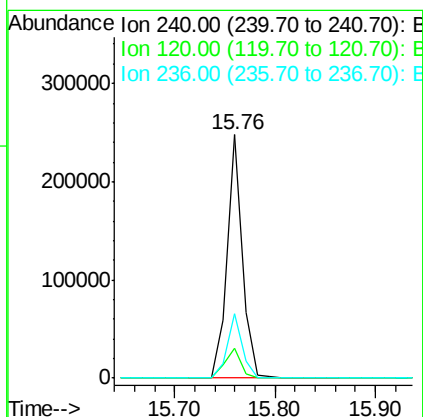
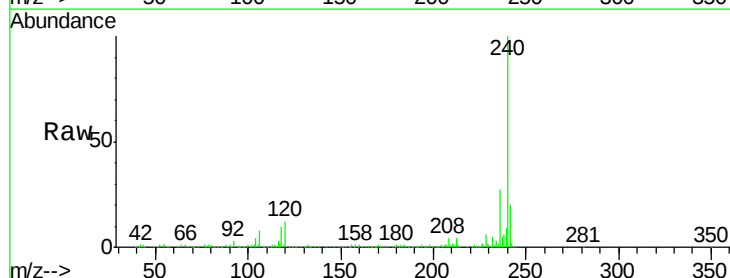
Instrument :
BNA_F
ClientSampleId :
SB-18D

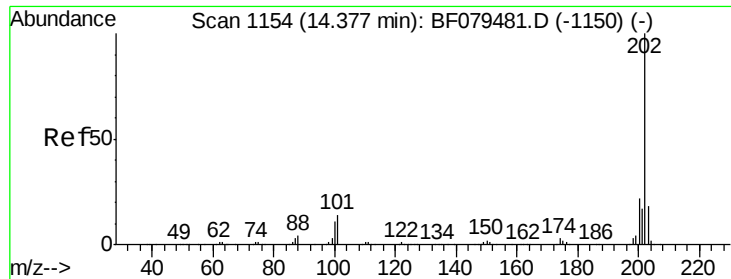
Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.1	0.0	29.3
203	18.1	0.0	37.6



#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.76 min Scan# 1275
Delta R.T. 0.01 min
Lab File: BF079643.D
Acq: 31 May 2015 20:05

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.1	10.8	16.2
236	26.6	21.0	31.6

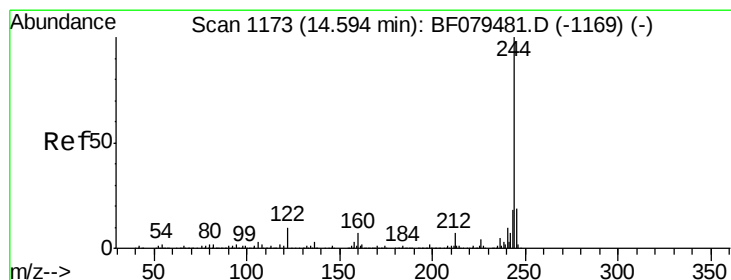
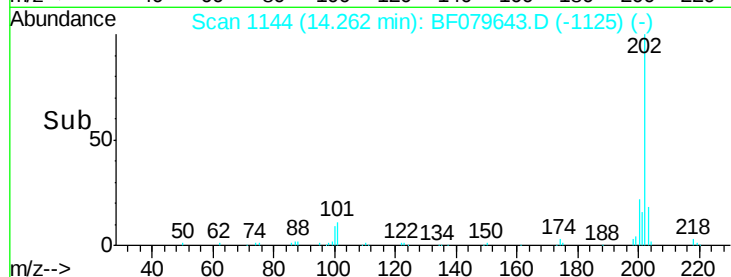
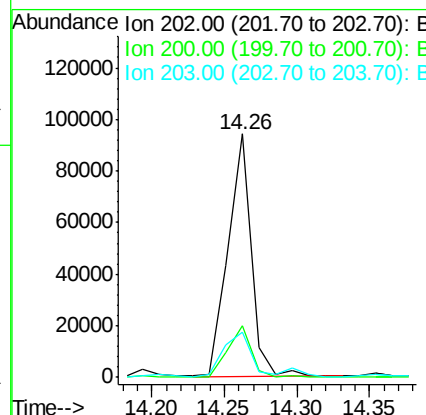
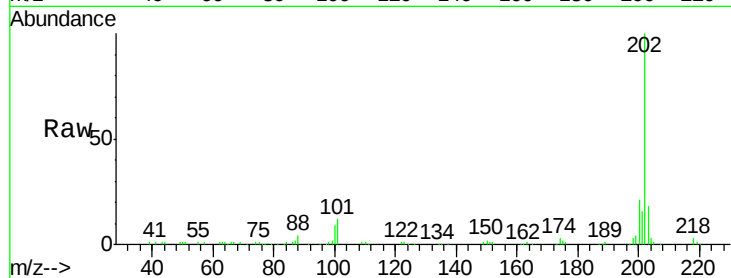




#77
 Pyrene
 Concen: 6.46 ng
 RT: 14.26 min Scan# 1144
 Delta R.T. 0.01 min
 Lab File: BF079643.D
 Acq: 31 May 2015 20:05

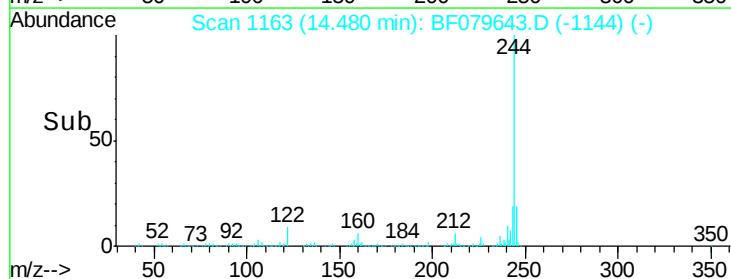
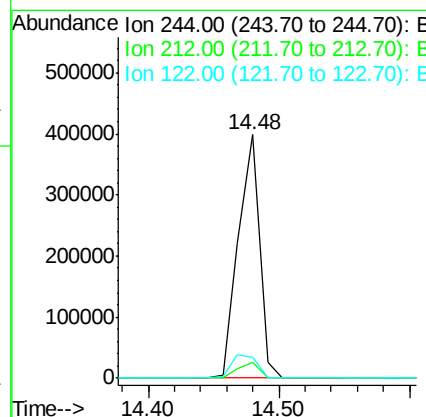
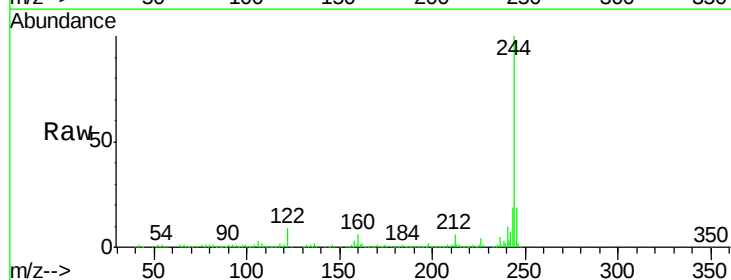
Instrument :
 BNA_F
 ClientSampleId :
 SB-18D

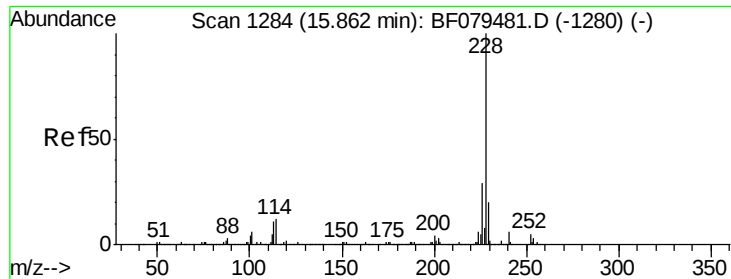
Tgt Ion: 202 Resp: 104953
 Ion Ratio Lower Upper
 202 100
 200 21.4 17.5 26.3
 203 18.4 14.4 21.6



#78
 Terphenyl-d14
 Concen: 40.07 ng
 RT: 14.48 min Scan# 1163
 Delta R.T. 0.01 min
 Lab File: BF079643.D
 Acq: 31 May 2015 20:05

Tgt Ion: 244 Resp: 447674
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.2 7.8
 122 8.7 8.0 12.0





#80

Benzo(a)anthracene

Concen: 3.08 ng

RT: 15.79 min Scan# 1278

Delta R.T. 0.06 min

Lab File: BF079643.D

Acq: 31 May 2015 20:05

Instrument :

BNA_F

ClientSampleId :

SB-18D

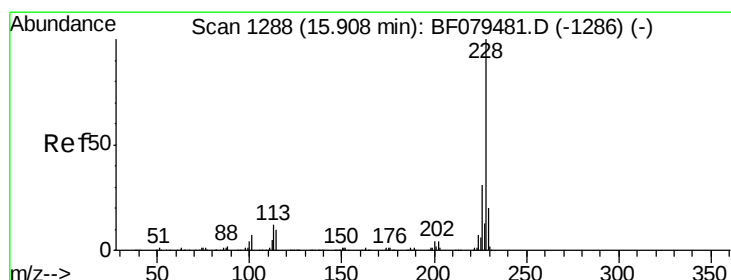
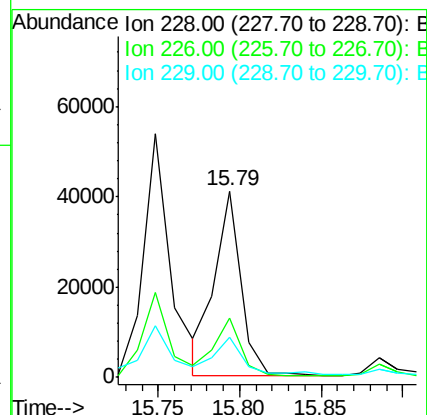
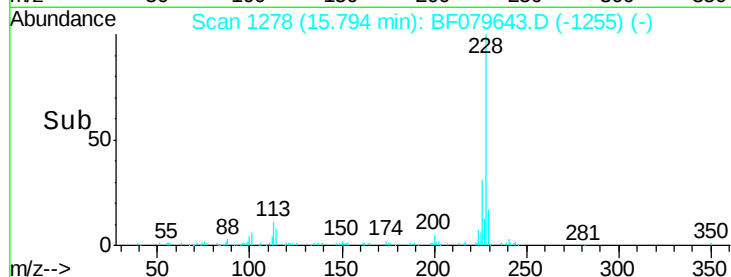
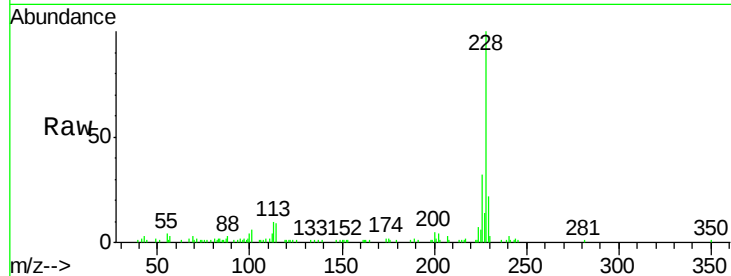
Tgt Ion:228 Resp: 46475

Ion Ratio Lower Upper

228 100

226 31.7 22.8 34.2

229 21.5 15.9 23.9



#82

Chrysene

Concen: 3.28 ng

RT: 15.79 min Scan# 1278

Delta R.T. 0.01 min

Lab File: BF079643.D

Acq: 31 May 2015 20:05

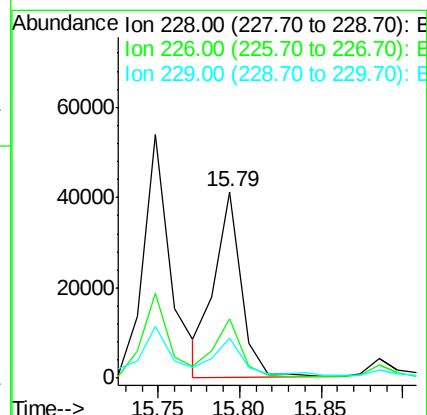
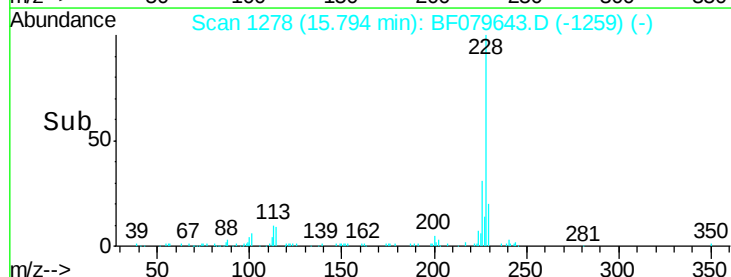
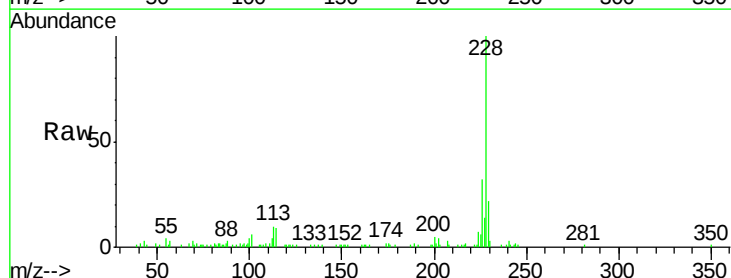
Tgt Ion:228 Resp: 46985

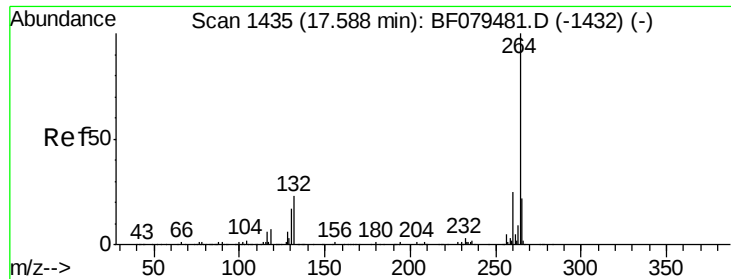
Ion Ratio Lower Upper

228 100

226 31.7 25.0 37.4

229 21.5 15.9 23.9





#86

Perylene-d12

Concen: 20.00 ng

RT: 17.51 min Scan# 1428

Delta R.T. 0.07 min

Lab File: BF079643.D

Acq: 31 May 2015 20:05

Instrument :

BNA_F

ClientSampleId :

SB-18D

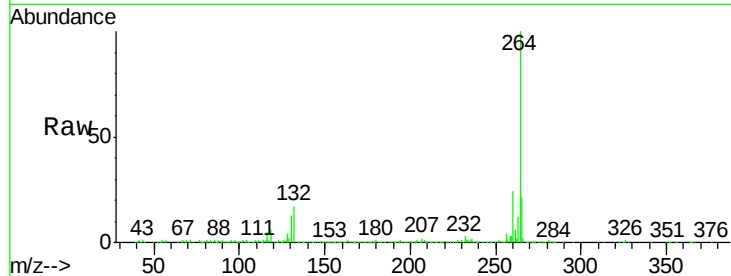
Tgt Ion:264 Resp: 281636

Ion Ratio Lower Upper

264 100

260 24.4 19.8 29.8

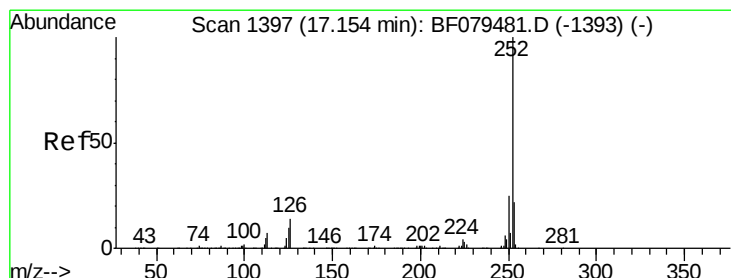
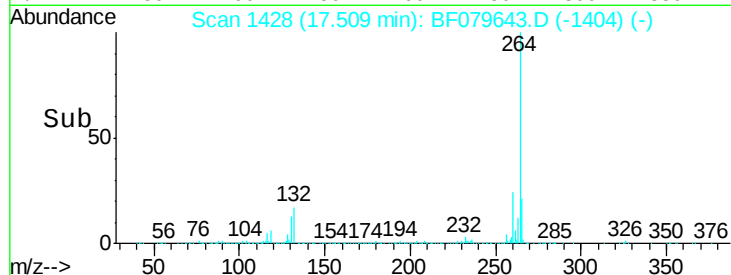
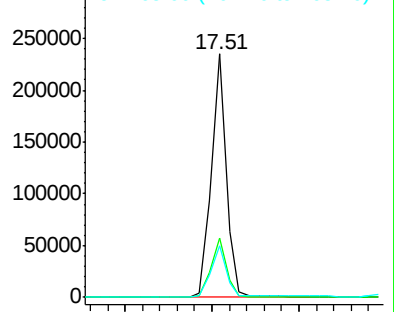
265 21.3 17.8 26.6



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#87

Benzo(b)fluoranthene

Concen: 4.39 ng

RT: 17.06 min Scan# 1389

Delta R.T. 0.05 min

Lab File: BF079643.D

Acq: 31 May 2015 20:05

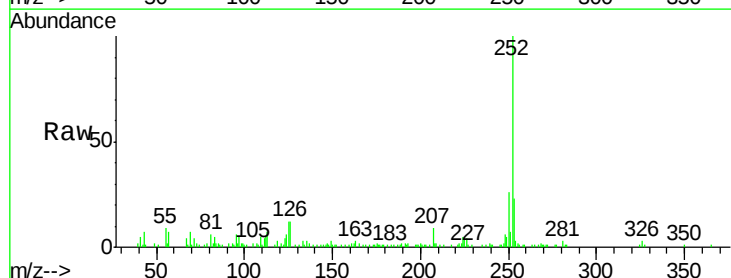
Tgt Ion:252 Resp: 70511

Ion Ratio Lower Upper

252 100

253 22.6 17.6 26.4

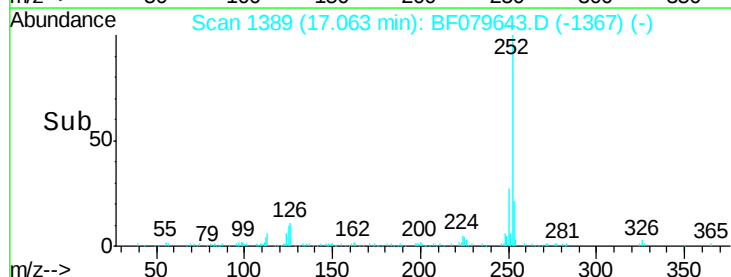
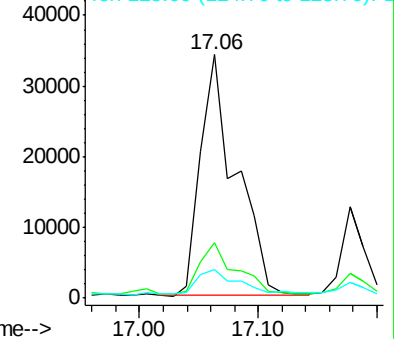
125 11.8 7.8 11.6#

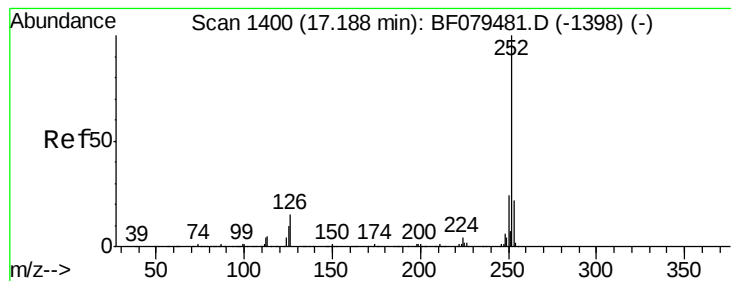


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 4.91 ng

RT: 17.06 min Scan# 1389

Delta R.T. 0.02 min

Lab File: BF079643.D

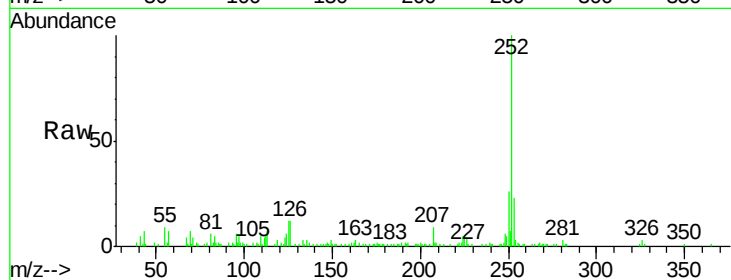
Acq: 31 May 2015 20:05

Instrument :

BNA_F

ClientSampleId :

SB-18D



Tgt Ion:	252	Resp:	70511
Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.2	25.8
125	11.8	6.8	10.2#

