

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051915\
 Data File : BF079365.D
 Acq On : 20 May 2015 4:29
 Operator : TP/IZ
 Sample : G2281-04
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-04

Quant Time: May 20 06:41:22 2015
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 20 05:08:22 2015
 Response via : Initial Calibration

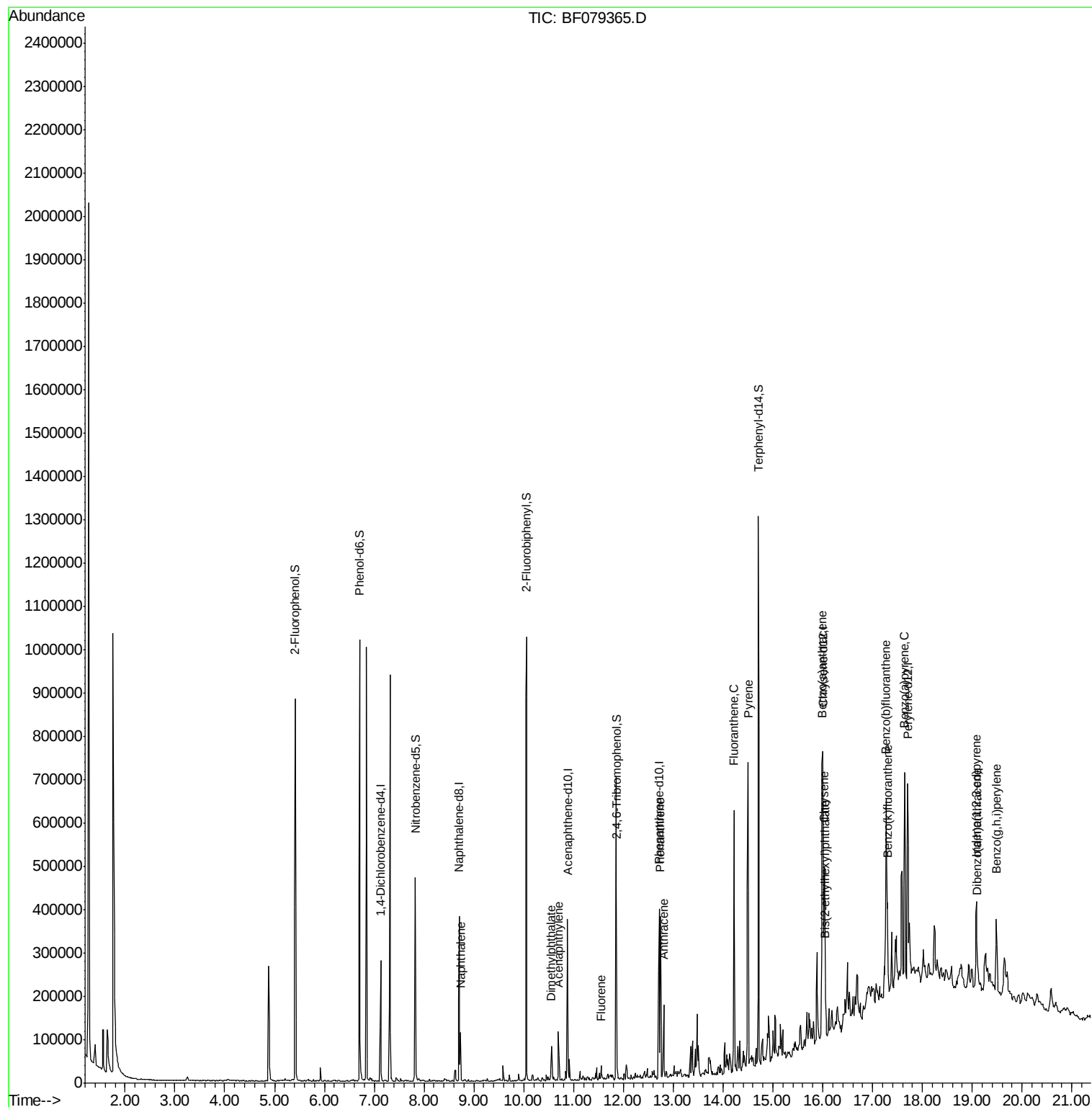
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.13	152	48501	20.00	ng	0.00
21) Naphthalene-d8	8.71	136	201987	20.00	ng	0.00
38) Acenaphthene-d10	10.88	164	98049	20.00	ng	0.00
63) Phenanthrene-d10	12.72	188	183694	20.00	ng	0.00
75) Chrysene-d12	16.00	240	201498	20.00	ng	-0.02
86) Perylene-d12	17.70	264	225882	20.00	ng	-0.11
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	298310m	105.87	ng	0.00
7) Phenol-d6	6.71	99	405064	108.76	ng	0.00
23) Nitrobenzene-d5	7.83	82	223183	63.50	ng	0.00
41) 2,4,6-Tribromophenol	11.86	330	112101	105.69	ng	0.00
44) 2-Fluorobiphenyl	10.06	172	464606	66.02	ng	0.00
78) Terphenyl-d14	14.71	244	527208	62.64	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.73	128	46854	4.87	ng	99
48) Acenaphthylene	10.70	152	58519	5.86	ng	99
49) Dimethylphthalate	10.56	163	32564	4.53	ng	98
57) Fluorene	11.55	166	14752	2.09	ng	98
70) Phenanthrene	12.74	178	155773	15.16	ng	99
71) Anthracene	12.81	178	69605	6.90	ng	99
74) Fluoranthene	14.22	202	317057	29.61	ng	100
77) Pyrene	14.50	202	329477	28.38	ng	100
80) Benzo(a)anthracene	15.99	228	225595m	20.44	ng	
82) Chrysene	16.03	228	173501	16.35	ng	99
83) Bis(2-ethylhexyl)phthalate	16.05	149	30480	3.96	ng	# 99
85) Indeno(1,2,3-cd)pyrene	19.09	276	145585	10.77	ng	94
87) Benzo(b)fluoranthene	17.27	252	285508m	23.09	ng	
88) Benzo(k)fluoranthene	17.30	252	78305m	6.54	ng	
89) Benzo(a)pyrene	17.65	252	215553	18.93	ng	100
90) Dibenzo(a,h)anthracene	19.10	278	31774	2.63	ng	# 92
91) Benzo(a,h,i)perylene	19.49	276	144870	11.95	ng	96

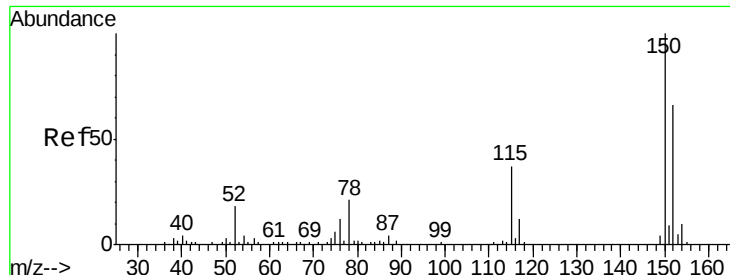
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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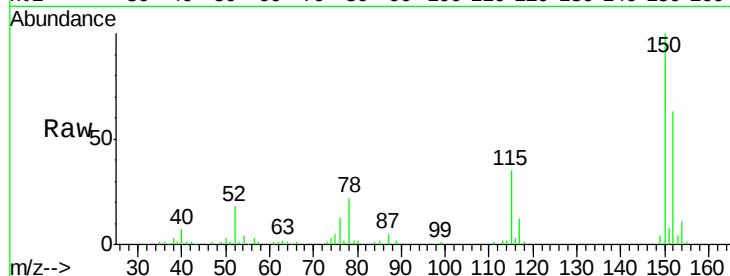




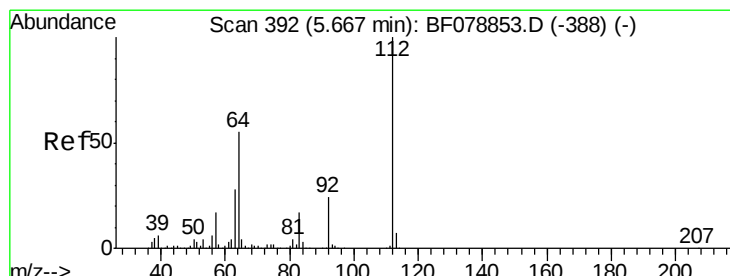
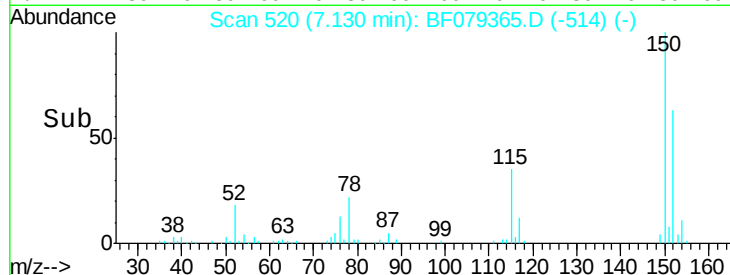
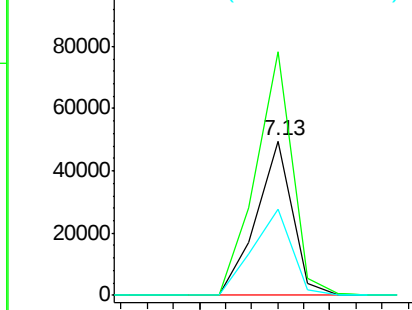
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.13 min Scan# 520
 Delta R.T. 0.00 min
 Lab File: BF079365.D
 Acq: 20 May 2015 4:29

Instrument :
 BNA_F
 ClientSampled :
 SB-04

Tot Ion:	152	Resp:	48501
Ion	Ratio	Lower	Upper
152	100		
150	157.6	123.8	185.8
115	55.9	49.4	74.0

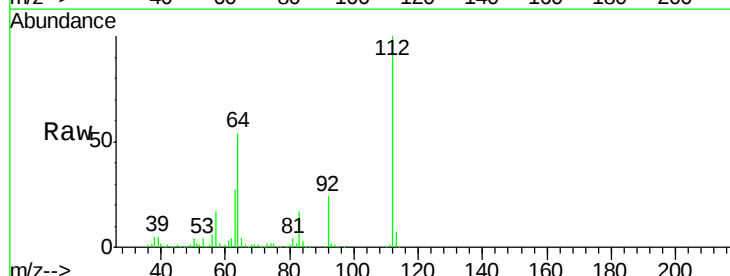


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

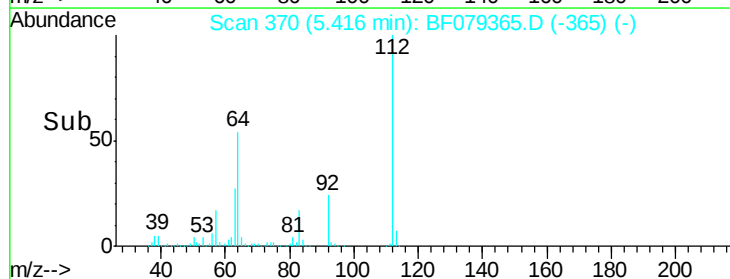
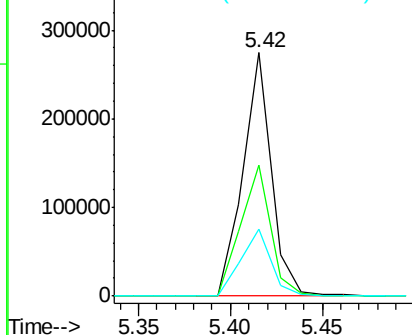


#5
 2-Fluorophenol
 Concen: 105.87 ng m
 RT: 5.42 min Scan# 370
 Delta R.T. 0.00 min
 Lab File: BF079365.D
 Acq: 20 May 2015 4:29

Tgt Ion:	112	Resp:	298310
Ion	Ratio	Lower	Upper
112	100		
64	53.6	44.2	66.2
63	27.5	22.7	34.1



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF0
 Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 108.76 ng

RT: 6.71 min Scan# 483

Delta R.T. 0.00 min

Lab File: BF079365.D

Acq: 20 May 2015 4:29

Instrument :

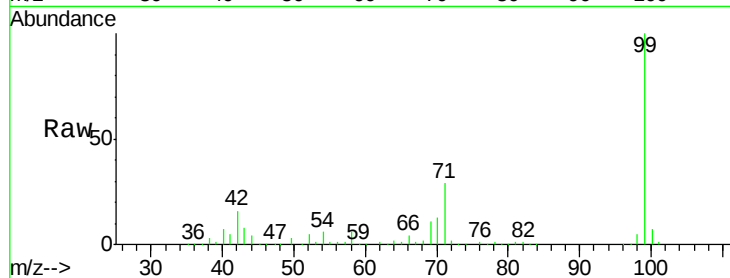
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ClientSampleId :

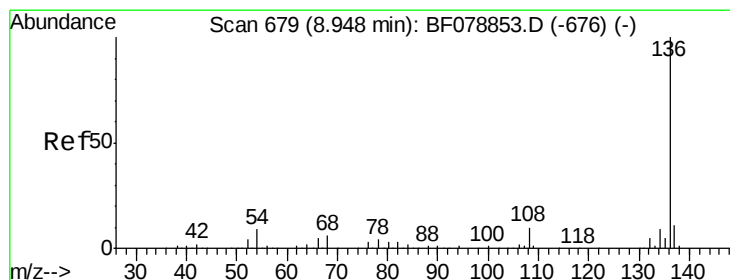
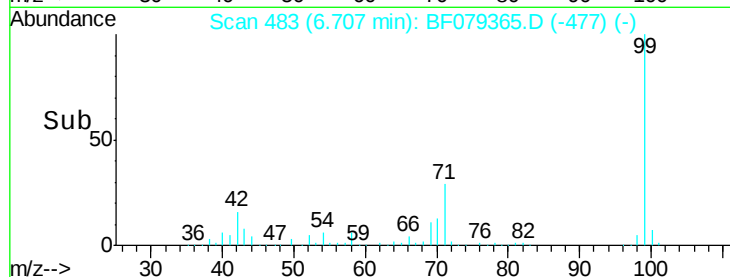
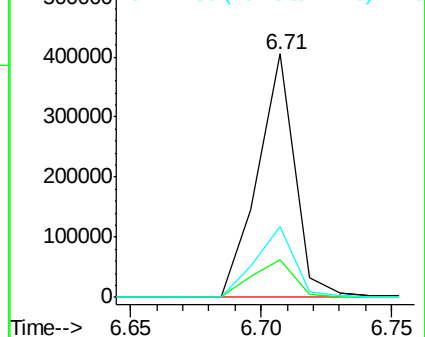
SB-04

Tot Ion: 99 Resp: 405064

Ion	Ratio	Lower	Upper
99	100		
42	15.6	17.1	25.7#
71	28.9	26.3	39.5



Abundance Ion 99.00 (98.70 to 99.70): BF078853.D (-498) (-)



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.71 min Scan# 658

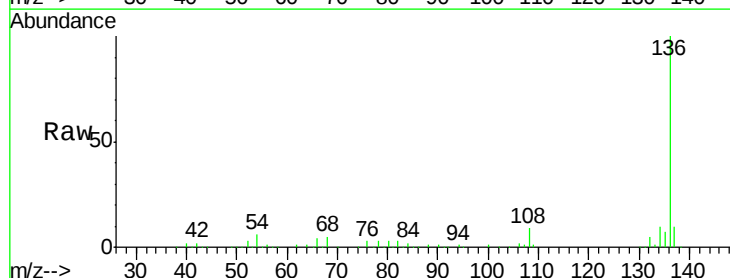
Delta R.T. 0.00 min

Lab File: BF079365.D

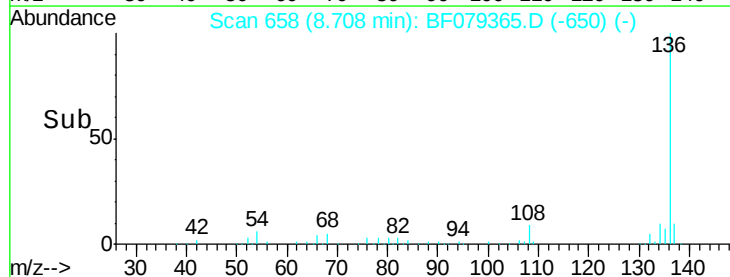
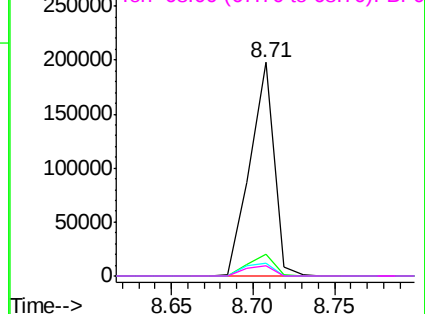
Acq: 20 May 2015 4:29

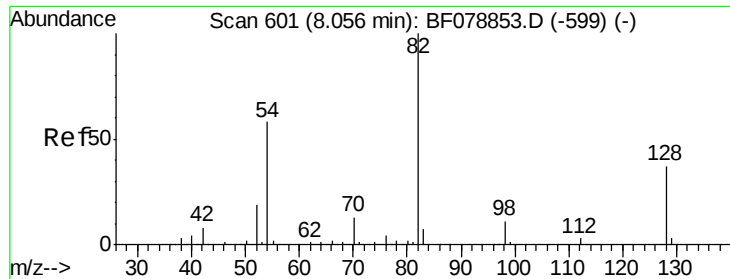
Tgt Ion: 136 Resp: 201987

Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.8	13.2
54	6.2	6.9	10.3#
68	4.8	4.9	7.3#



Abundance Ion 136.00 (135.70 to 136.70): BF078853.D (-676) (-)

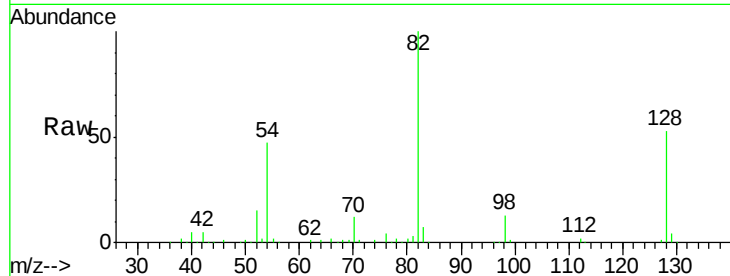




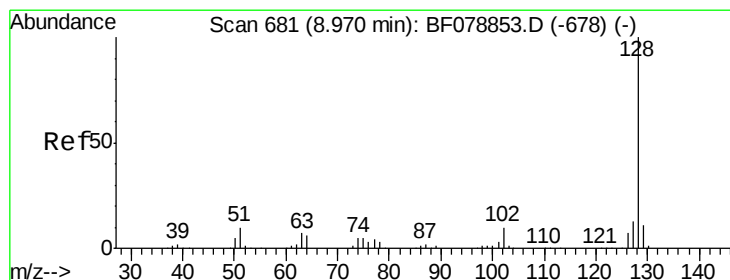
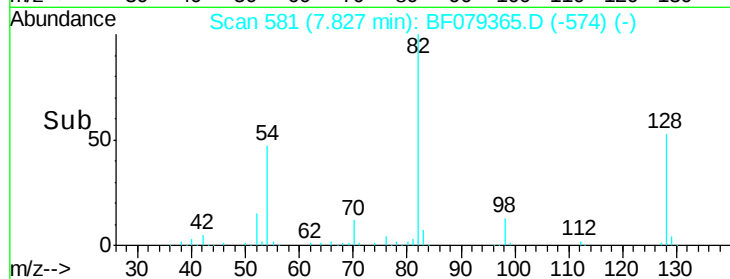
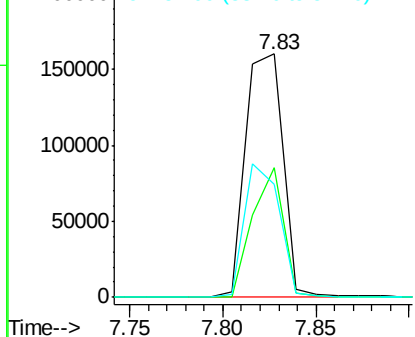
#23
 Nitrobenzene-d5
 Concen: 63.50 ng
 RT: 7.83 min Scan# 581
 Delta R.T. 0.00 min
 Lab File: BF079365.D
 Acq: 20 May 2015 4:29

Instrument :
 BNA_F
 ClientSampleId :
 SB-04

Tot Ion: 82 Resp: 223183
 Ion Ratio Lower Upper
 82 100
 128 53.4 29.7 44.5#
 54 46.5 46.2 69.4

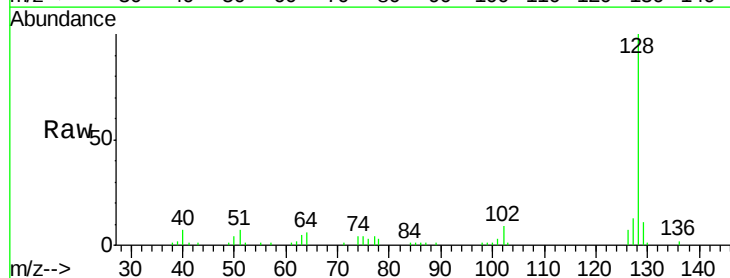


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

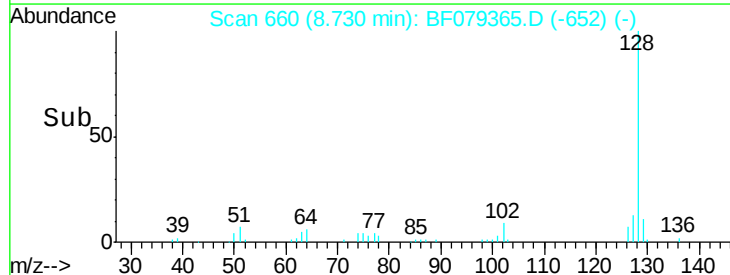
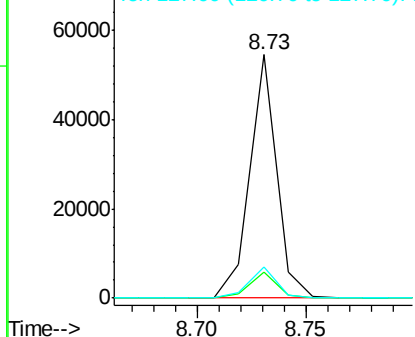


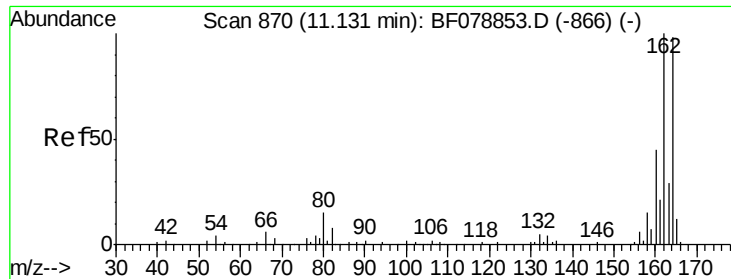
#31
 Naphthalene
 Concen: 4.87 ng
 RT: 8.73 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: BF079365.D
 Acq: 20 May 2015 4:29

Tgt Ion: 128 Resp: 46854
 Ion Ratio Lower Upper
 128 100
 129 10.9 9.2 13.8
 127 12.8 10.3 15.5



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

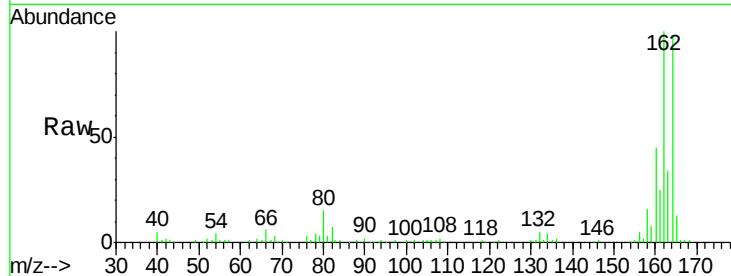




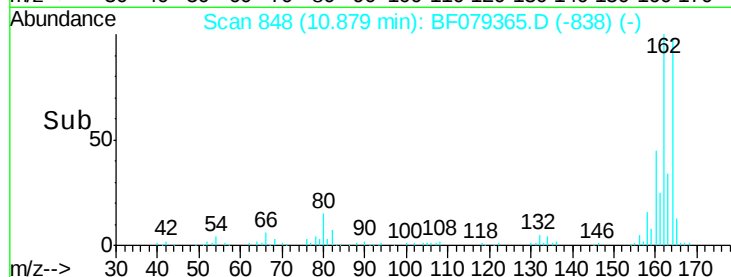
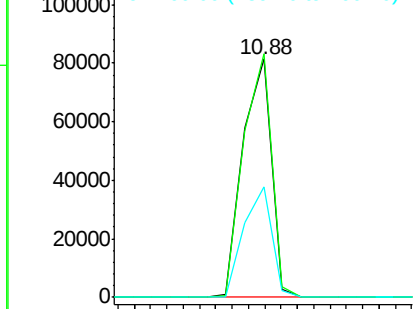
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.88 min Scan# 848
Delta R.T. 0.00 min
Lab File: BF079365.D
Acq: 20 May 2015 4:29

Instrument :
BNA_F
ClientSampled :
SB-04

Tot Ion:164 Resp: 98049
Ion Ratio Lower Upper
164 100
162 102.3 81.4 122.0
160 46.2 36.6 54.8

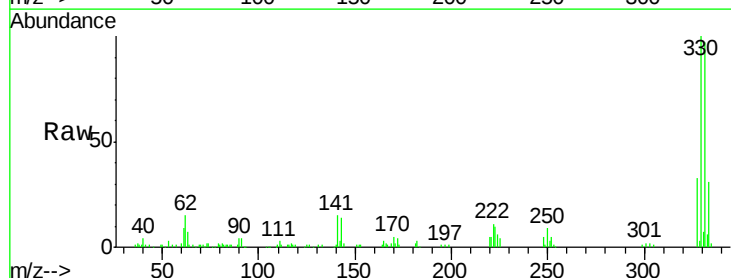


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

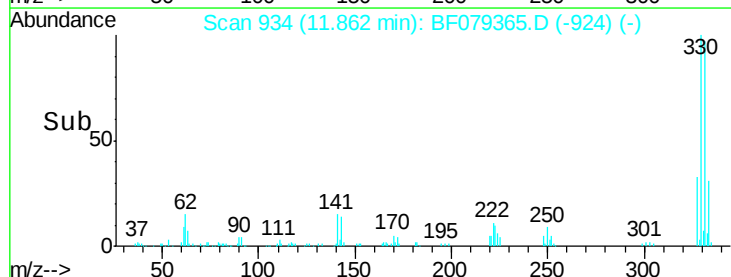
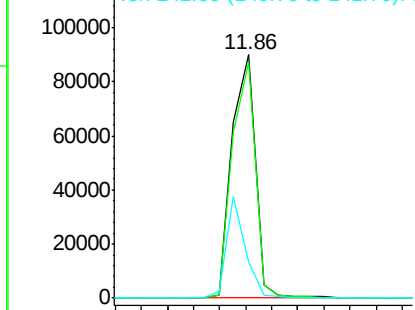


#41
2,4,6-Tribromophenol
Concen: 105.69 ng
RT: 11.86 min Scan# 934
Delta R.T. 0.00 min
Lab File: BF079365.D
Acq: 20 May 2015 4:29

Tgt Ion:330 Resp: 112101
Ion Ratio Lower Upper
330 100
332 96.2 76.9 115.3
141 33.9 27.8 41.8



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

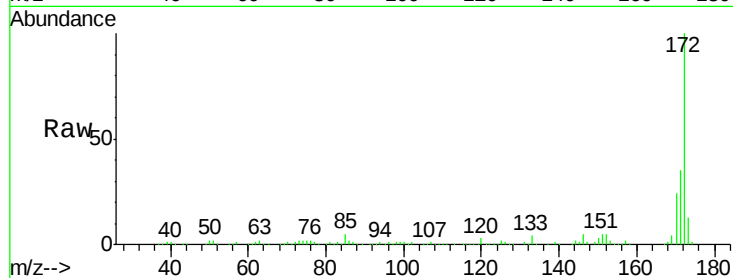




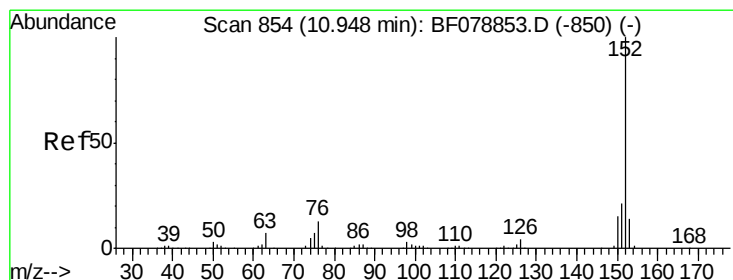
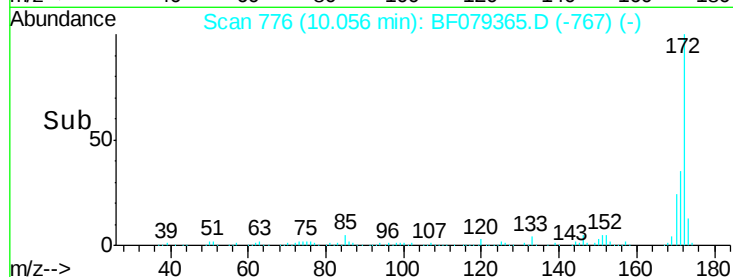
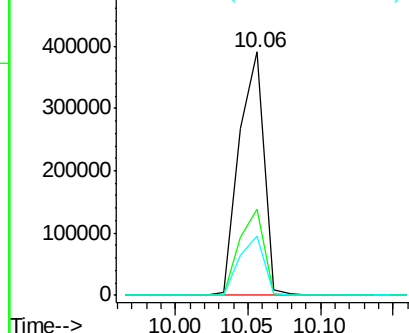
#44
 2-Fluorobiphenyl
 Concen: 66.02 ng
 RT: 10.06 min Scan# 776
 Delta R.T. 0.00 min
 Lab File: BF079365.D
 Acq: 20 May 2015 4:29

Instrument :
 BNA_F
 ClientSampleID :
 SB-04

Tot Ion:172 Resp: 464606
 Ion Ratio Lower Upper
 172 100
 171 35.1 28.3 42.5
 170 24.2 19.4 29.2

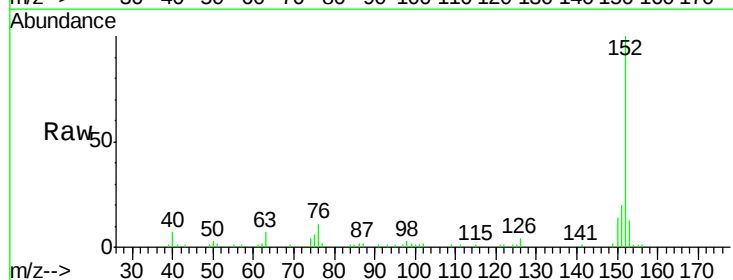


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

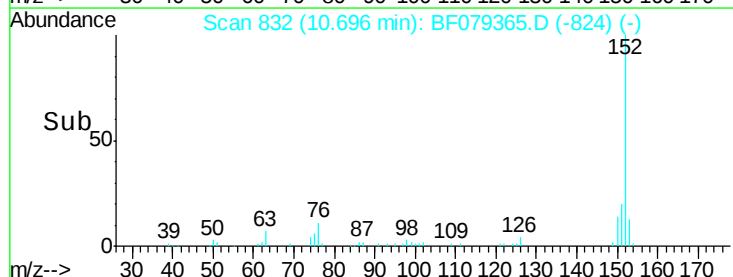
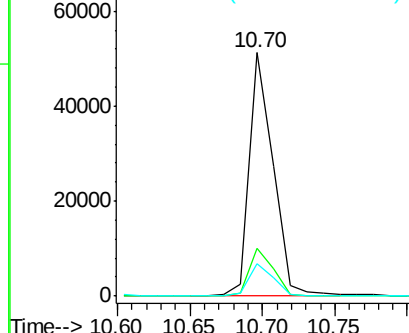


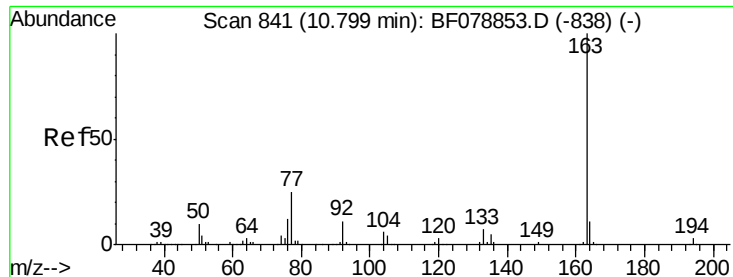
#48
 Acenaphthylene
 Concen: 5.86 ng
 RT: 10.70 min Scan# 832
 Delta R.T. -0.01 min
 Lab File: BF079365.D
 Acq: 20 May 2015 4:29

Tgt Ion:152 Resp: 58519
 Ion Ratio Lower Upper
 152 100
 151 19.9 16.6 24.8
 153 13.5 11.0 16.6



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

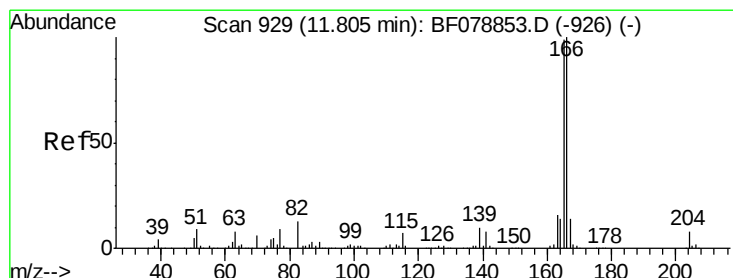
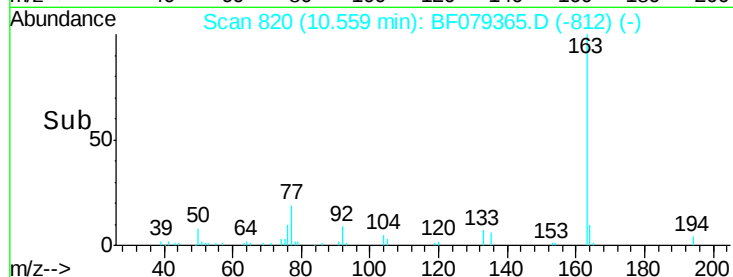
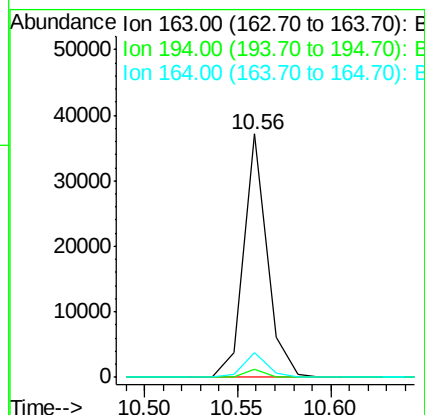
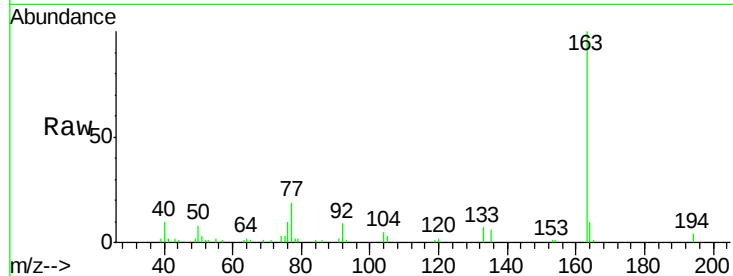




#49
Dimethylphthalate
Concen: 4.53 ng
RT: 10.56 min Scan# 820
Delta R.T. -0.01 min
Lab File: BF079365.D
Acq: 20 May 2015 4:29

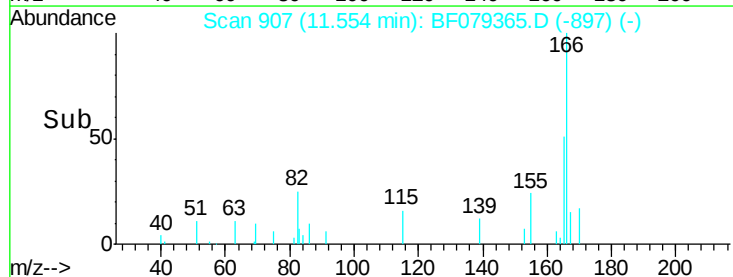
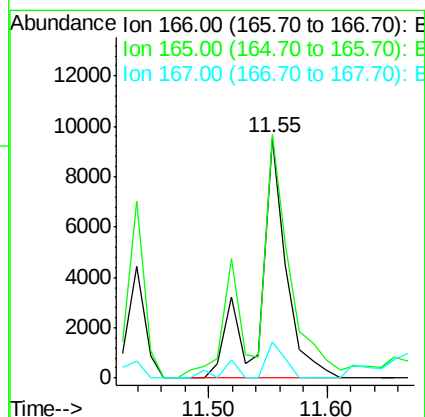
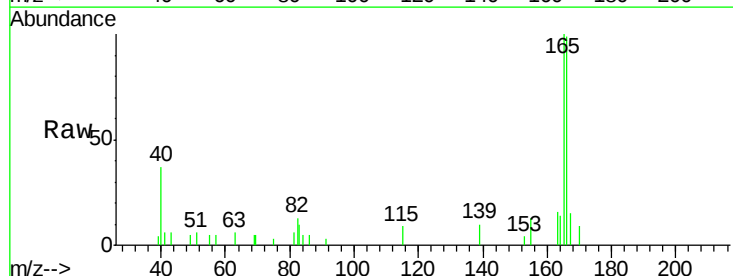
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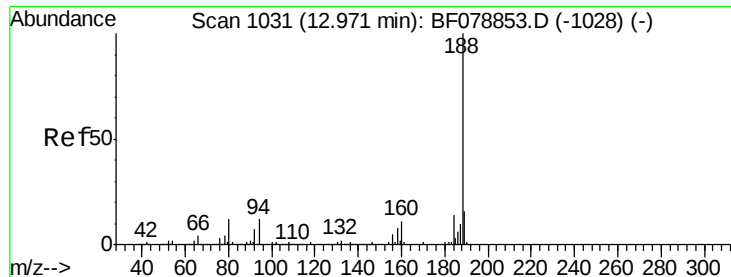
Tot Ion:163 Resp: 32564
Ion Ratio Lower Upper
163 100
194 3.5 2.4 3.6
164 9.9 8.6 12.8



#57
Fluorene
Concen: 2.09 ng
RT: 11.55 min Scan# 907
Delta R.T. 0.00 min
Lab File: BF079365.D
Acq: 20 May 2015 4:29

Tgt Ion:166 Resp: 14752
Ion Ratio Lower Upper
166 100
165 101.5 79.5 119.3
167 15.3 11.0 16.6





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.72 min Scan# 1009

Delta R.T. 0.00 min

Lab File: BF079365.D

Acq: 20 May 2015 4:29

Instrument :

BNA_F

ClientSampleId :

SB-04

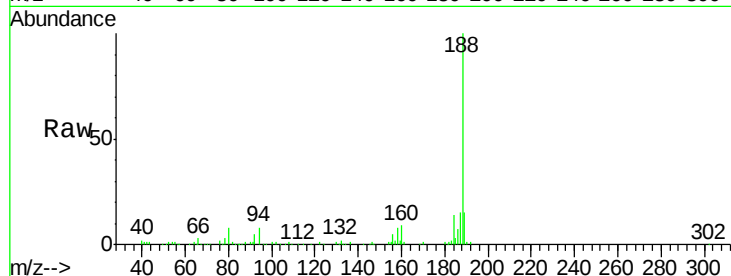
Tot Ion:188 Resp: 183694

Ion Ratio Lower Upper

188 100

94 8.0 9.4 14.0#

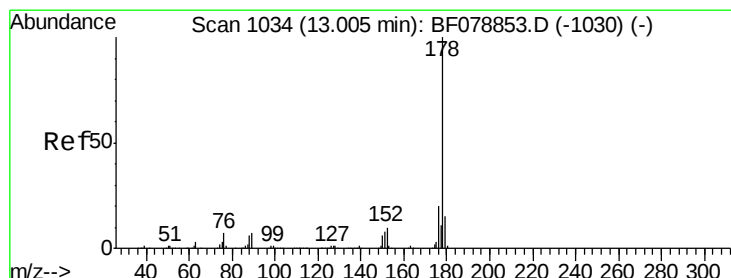
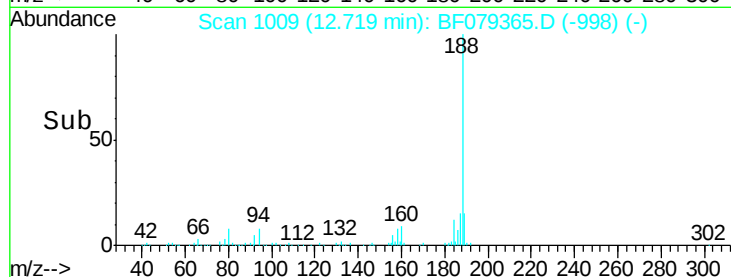
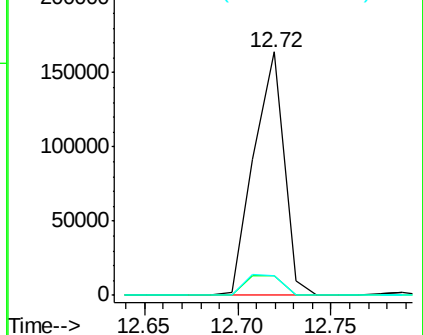
80 8.3 9.8 14.6#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 15.16 ng

RT: 12.74 min Scan# 1011

Delta R.T. 0.00 min

Lab File: BF079365.D

Acq: 20 May 2015 4:29

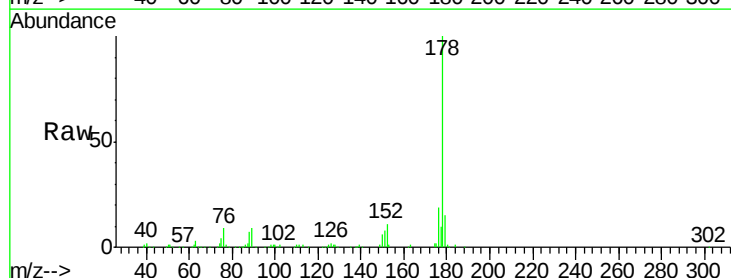
Tgt Ion:178 Resp: 155773

Ion Ratio Lower Upper

178 100

176 19.0 15.9 23.9

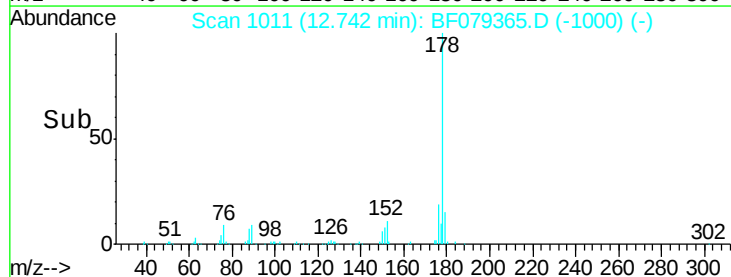
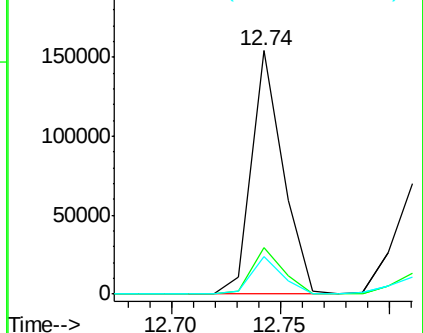
179 15.3 12.2 18.4

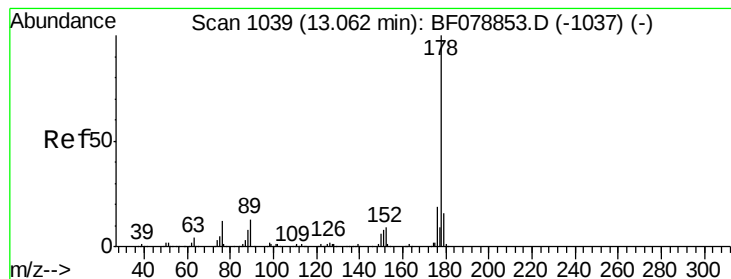


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 6.90 ng

RT: 12.81 min Scan# 1017

Delta R.T. 0.00 min

Lab File: BF079365.D

Acq: 20 May 2015 4:29

Instrument :

BNA_F

ClientSampleId :

SB-04

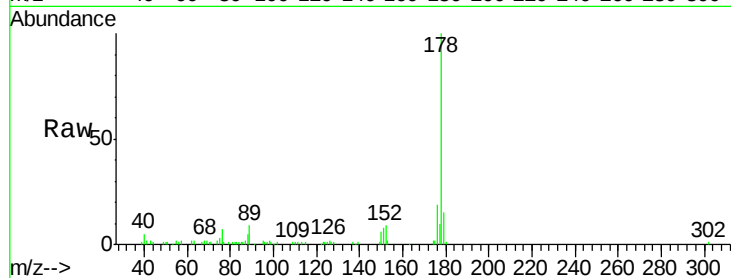
Tot Ion:178 Resp: 69605

Ion Ratio Lower Upper

178 100

176 18.8 15.3 22.9

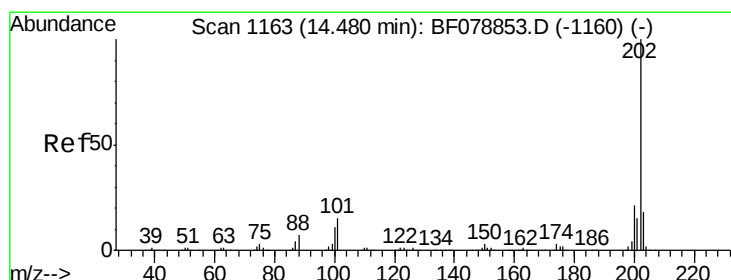
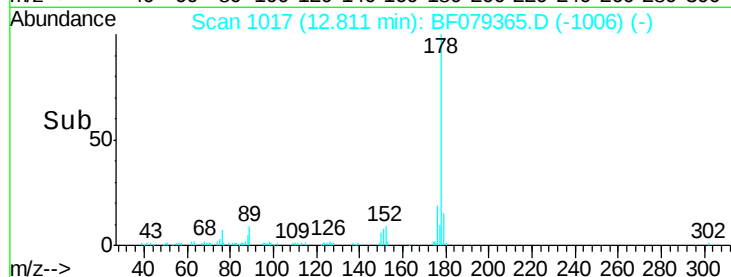
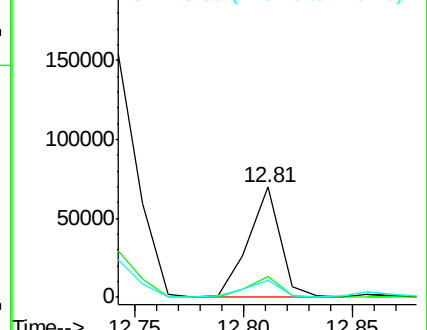
179 15.1 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 29.61 ng

RT: 14.22 min Scan# 1140

Delta R.T. -0.01 min

Lab File: BF079365.D

Acq: 20 May 2015 4:29

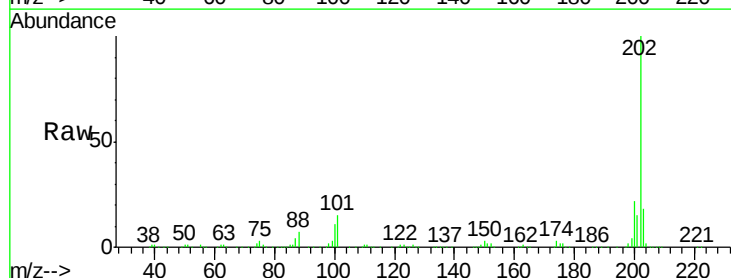
Tgt Ion:202 Resp: 317057

Ion Ratio Lower Upper

202 100

101 14.8 0.0 34.7

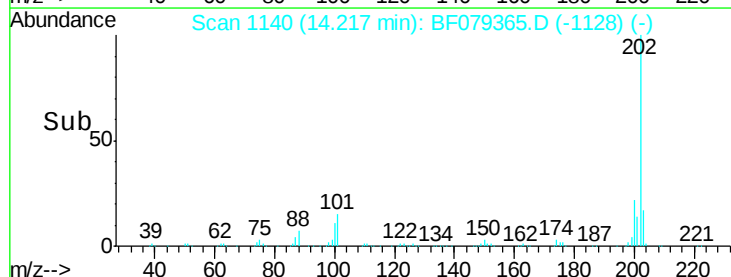
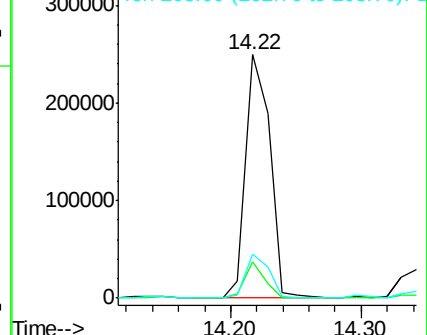
203 18.0 0.0 37.9

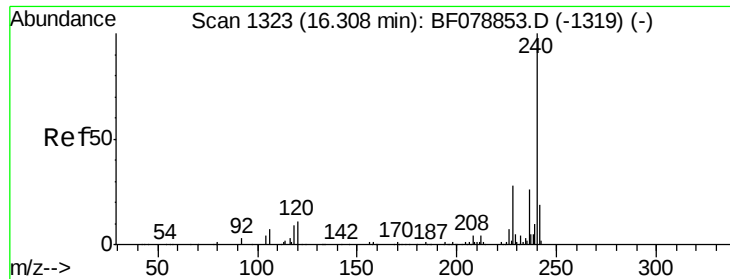


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 16.00 min Scan# 1296

Delta R.T. -0.02 min

Lab File: BF079365.D

Acq: 20 May 2015 4:29

Instrument :

BNA_F

ClientSampleId :

SB-04

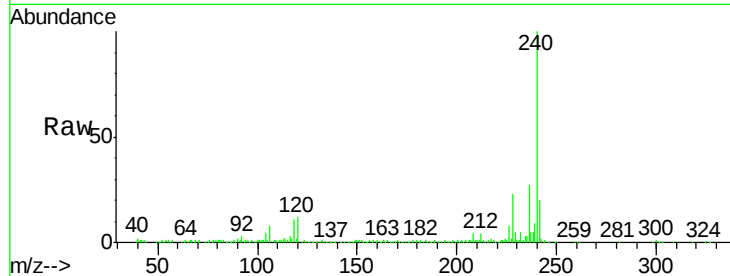
Tot Ion:240 Resp: 201498

Ion Ratio Lower Upper

240 100

120 12.1 8.6 12.8

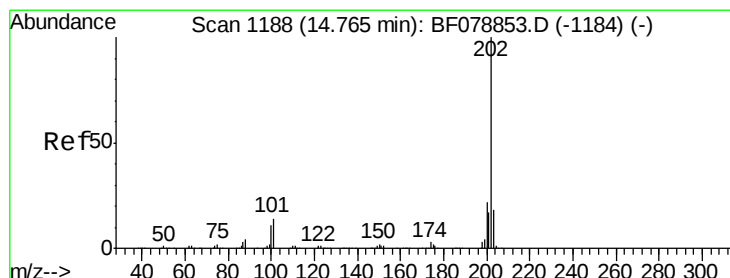
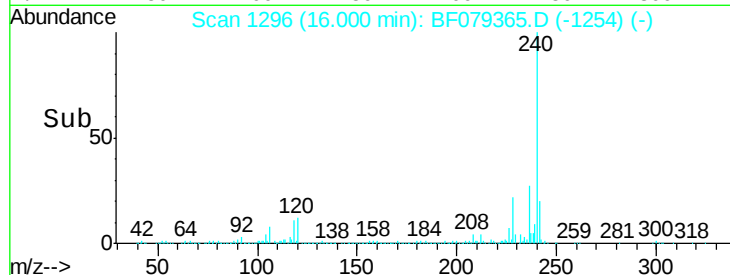
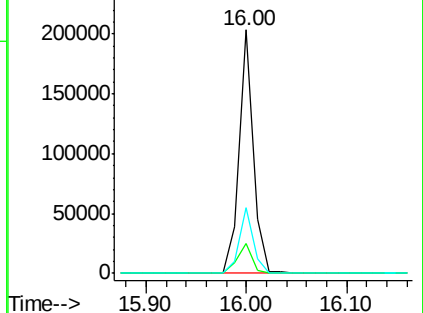
236 26.9 21.0 31.6



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: 28.38 ng

RT: 14.50 min Scan# 1165

Delta R.T. 0.00 min

Lab File: BF079365.D

Acq: 20 May 2015 4:29

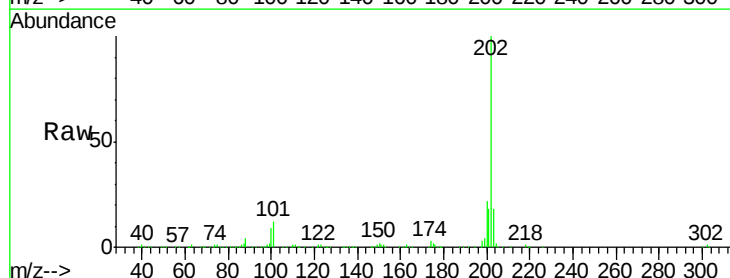
Tgt Ion:202 Resp: 329477

Ion Ratio Lower Upper

202 100

200 21.9 17.5 26.3

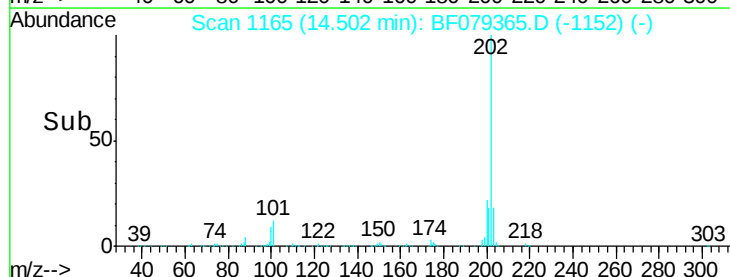
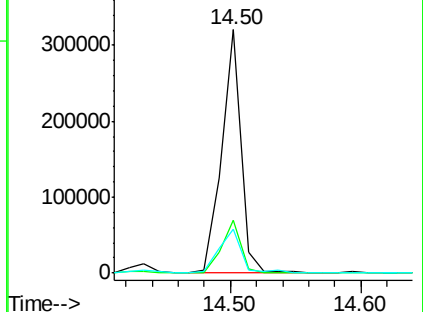
203 17.9 14.7 22.1

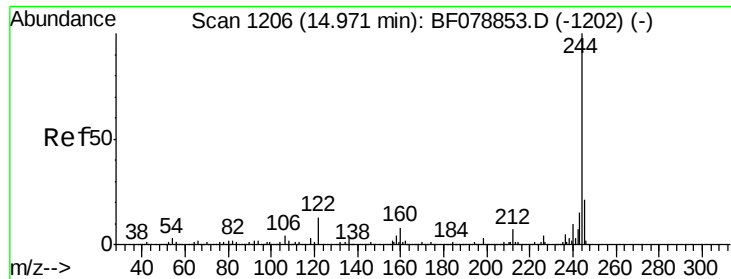


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 62.64 ng

RT: 14.71 min Scan# 1183

Delta R.T. -0.01 min

Lab File: BF079365.D

Acq: 20 May 2015 4:29

Instrument :

BNA_F

ClientSampled :

SB-04

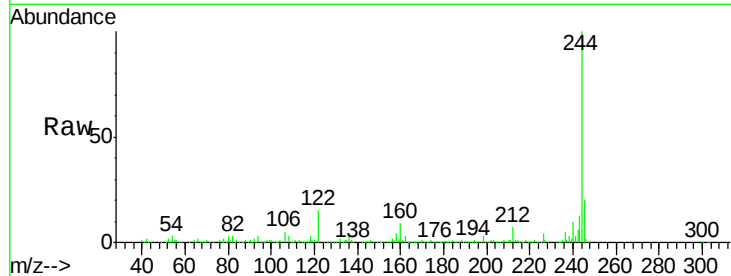
Tot Ion:244 Resp: 527208

Ion Ratio Lower Upper

244 100

212 7.4 5.6 8.4

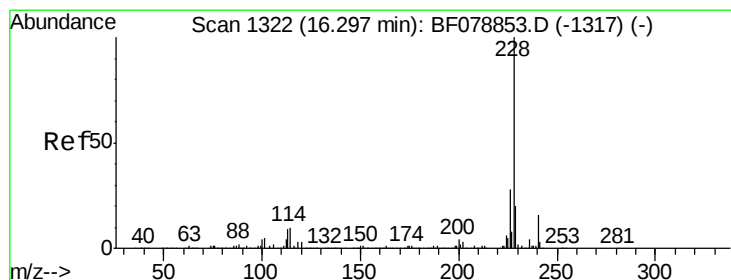
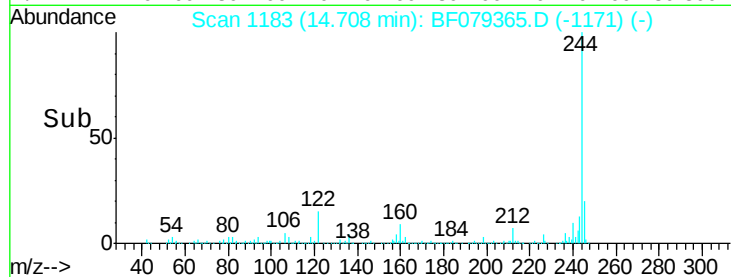
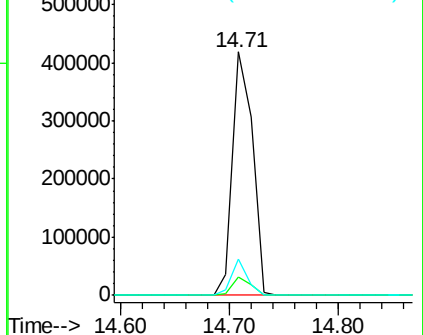
122 15.0 10.5 15.7



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 20.44 ng m

RT: 15.99 min Scan# 1295

Delta R.T. -0.02 min

Lab File: BF079365.D

Acq: 20 May 2015 4:29

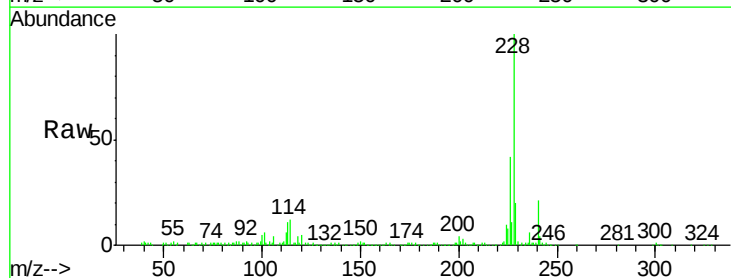
Tgt Ion:228 Resp: 225595

Ion Ratio Lower Upper

228 100

226 41.7 22.3 33.5#

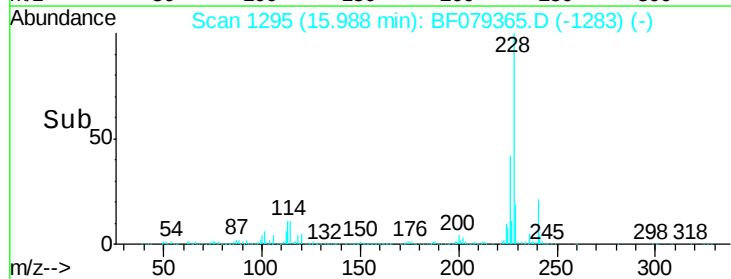
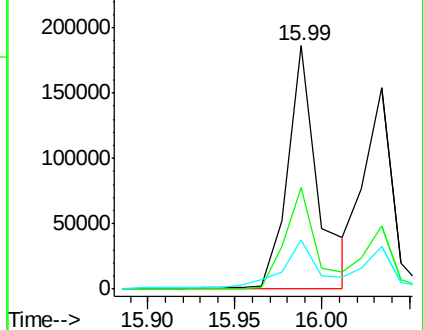
229 20.2 16.1 24.1

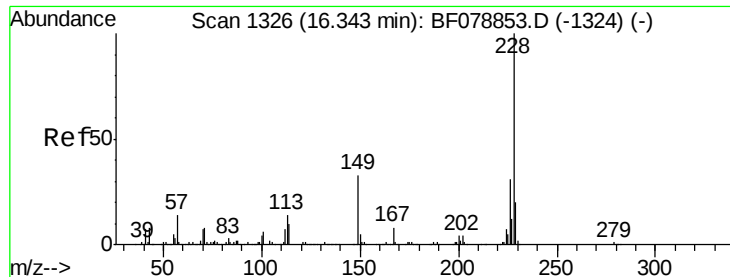


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 16.35 ng

RT: 16.03 min Scan# 1299

Delta R.T. -0.02 min

Lab File: BF079365.D

Acq: 20 May 2015 4:29

Instrument :

BNA_F

ClientSampleId :

SB-04

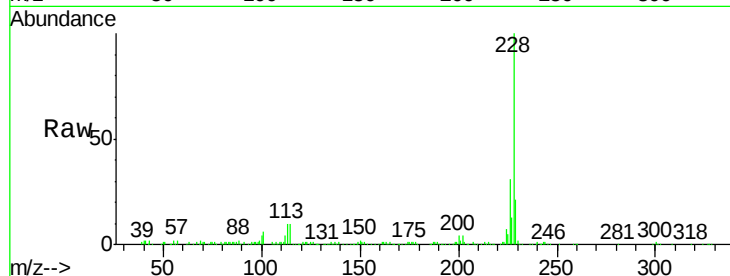
Tot Ion:228 Resp: 173501

Ion Ratio Lower Upper

228 100

226 31.3 24.8 37.2

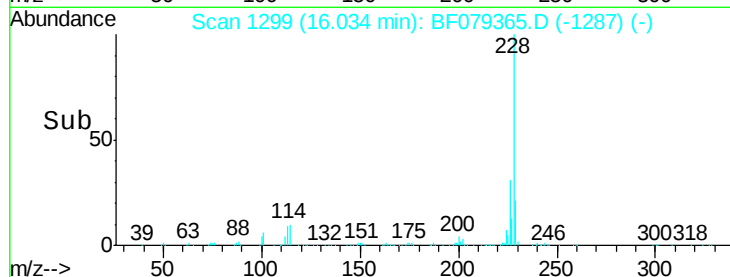
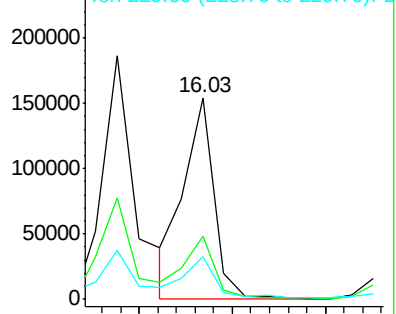
229 21.4 16.1 24.1



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.96 ng

RT: 16.05 min Scan# 1300

Delta R.T. -0.02 min

Lab File: BF079365.D

Acq: 20 May 2015 4:29

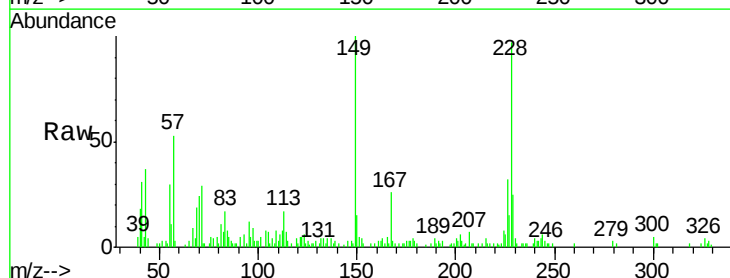
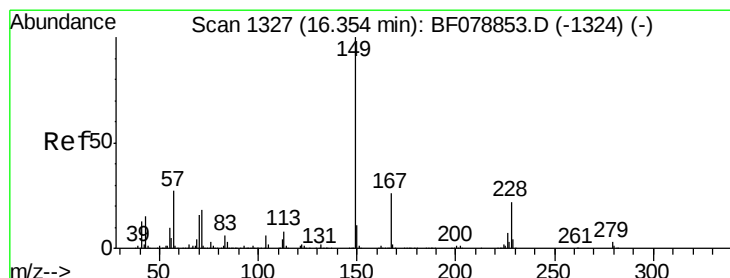
Tgt Ion:149 Resp: 30480

Ion Ratio Lower Upper

149 100

167 26.1 21.2 31.8

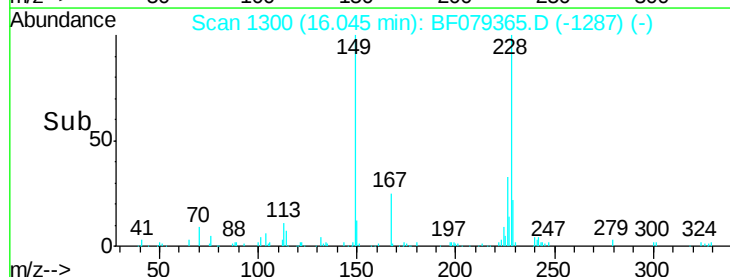
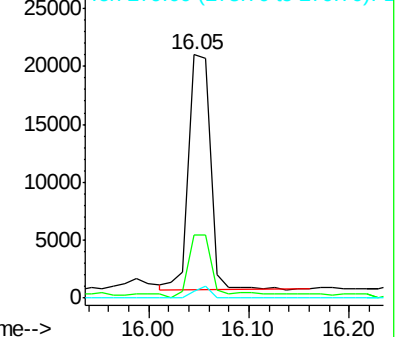
279 2.6 2.6 4.0#

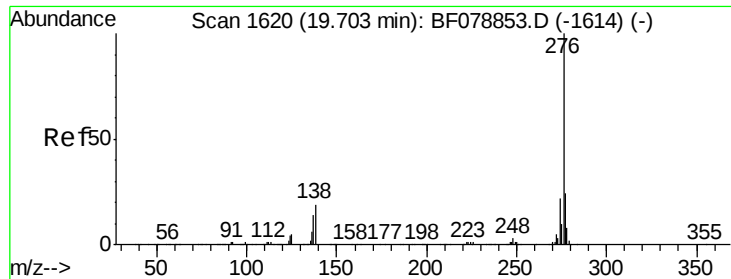


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

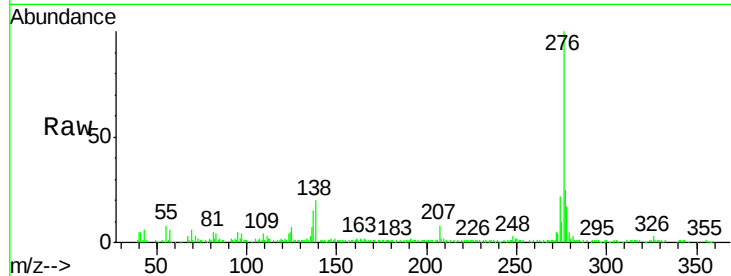




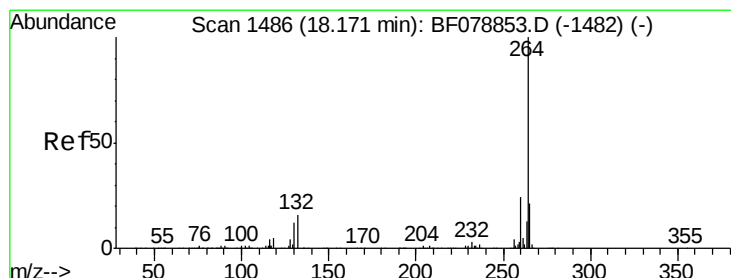
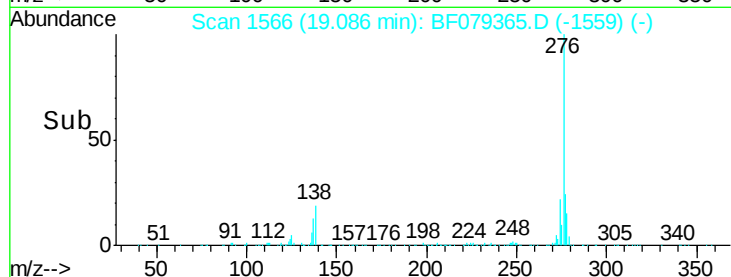
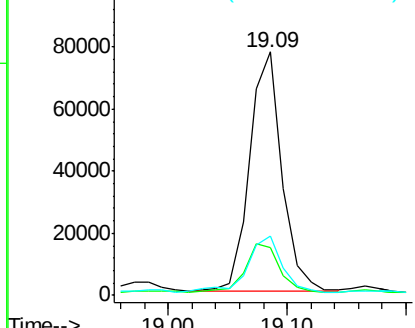
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 10.77 ng
 RT: 19.09 min Scan# 1566
 Delta R.T. -0.13 min
 Lab File: BF079365.D
 Acq: 20 May 2015 4:29

Instrument :
 BNA_F
 ClientSampleId :
 SB-04

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.0	21.1	31.7
277	26.6	19.9	29.9

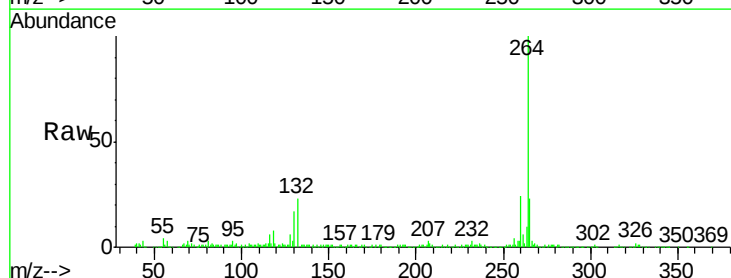


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

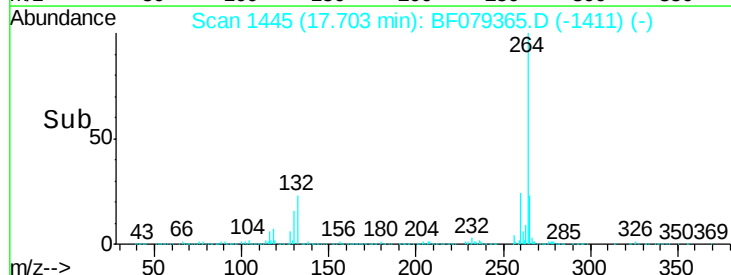
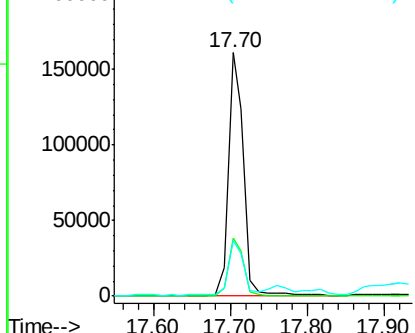


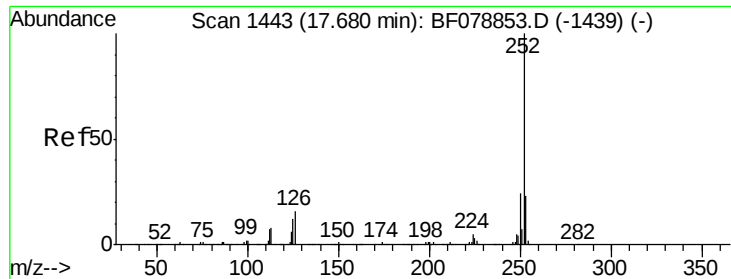
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.70 min Scan# 1445
 Delta R.T. -0.11 min
 Lab File: BF079365.D
 Acq: 20 May 2015 4:29

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	23.0	17.2	25.8



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

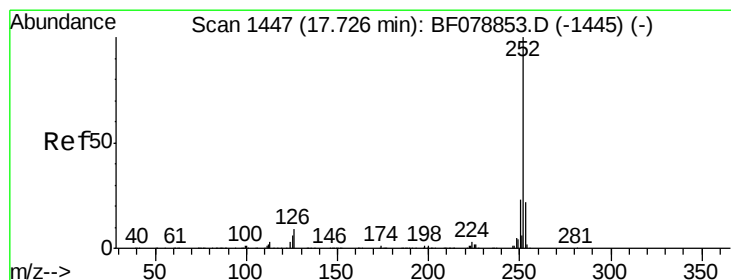
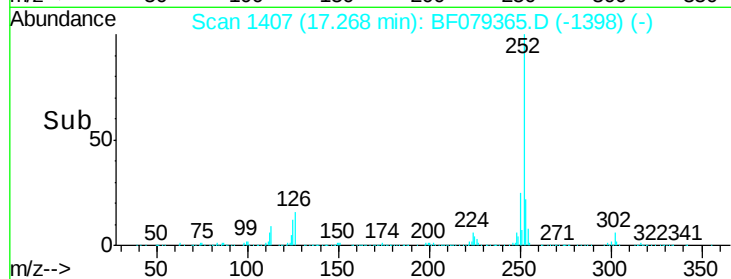
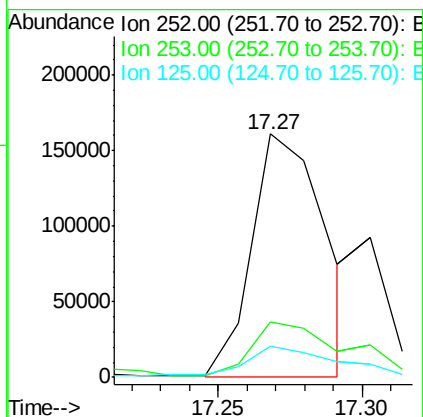
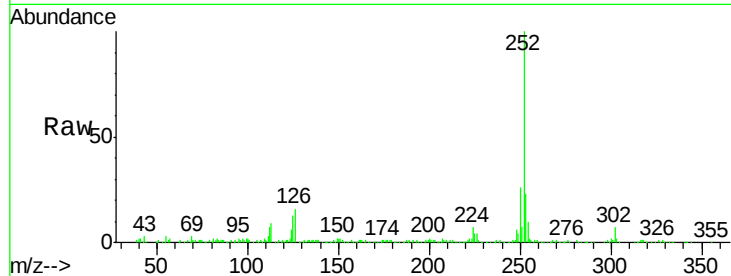




#87
Benzo(b)fluoranthene
Concen: 23.09 ng m
RT: 17.27 min Scan# 1407
Delta R.T. -0.08 min
Lab File: BF079365.D
Acq: 20 May 2015 4:29

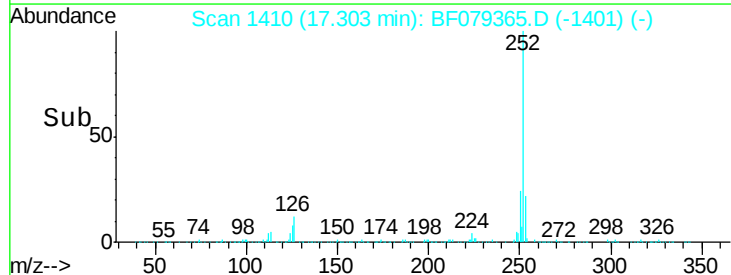
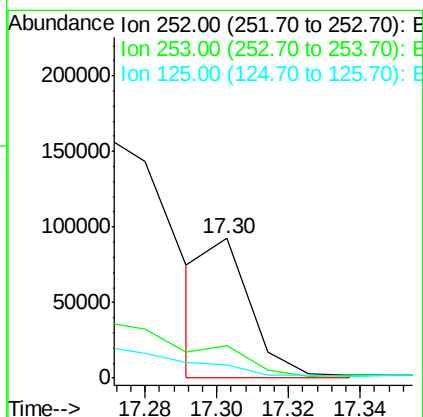
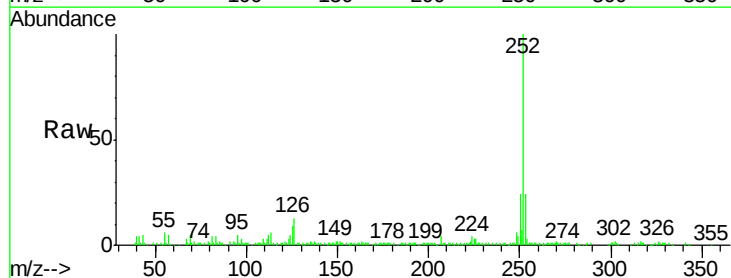
Instrument :
BNA_F
ClientSampleId :
SB-04

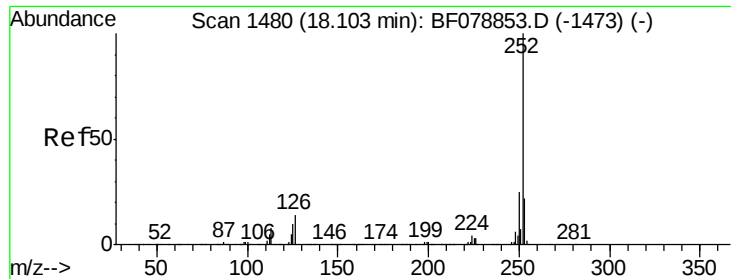
Tot Ion:252 Resp: 285508
Ion Ratio Lower Upper
252 100
253 23.0 18.1 27.1
125 12.9 9.4 14.2



#88
Benzo(k)fluoranthene
Concen: 6.54 ng m
RT: 17.30 min Scan# 1410
Delta R.T. -0.08 min
Lab File: BF079365.D
Acq: 20 May 2015 4:29

Tgt Ion:252 Resp: 78305
Ion Ratio Lower Upper
252 100
253 23.6 17.4 26.0
125 9.4 6.1 9.1#

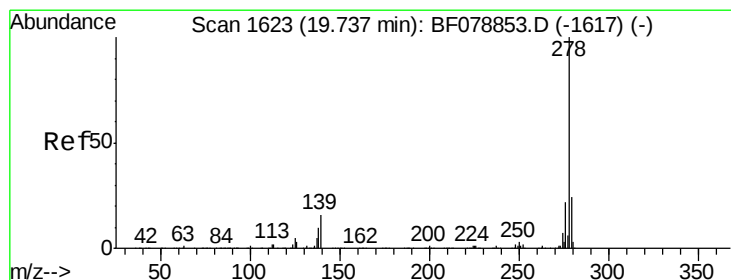
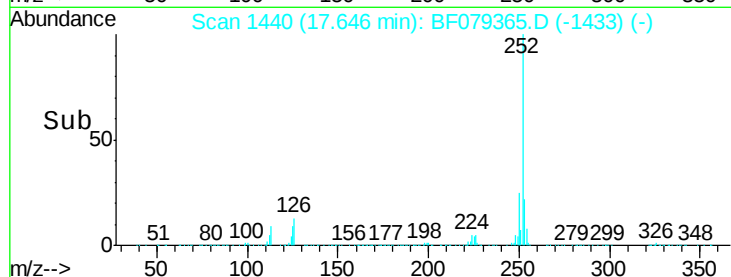
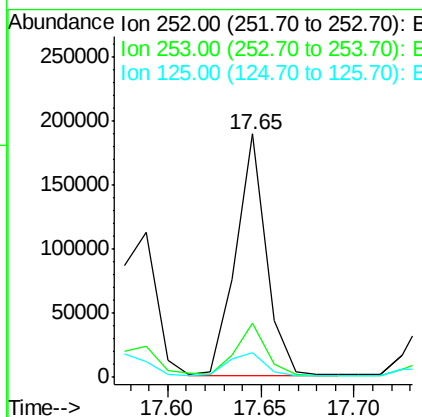
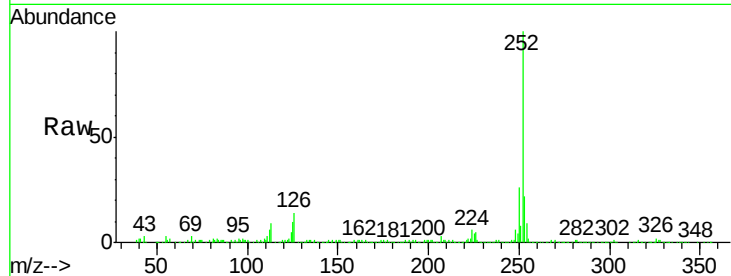




#89
Benzo(a)pyrene
Concen: 18.93 ng
RT: 17.65 min Scan# 1440
Delta R.T. -0.10 min
Lab File: BF079365.D
Acq: 20 May 2015 4:29

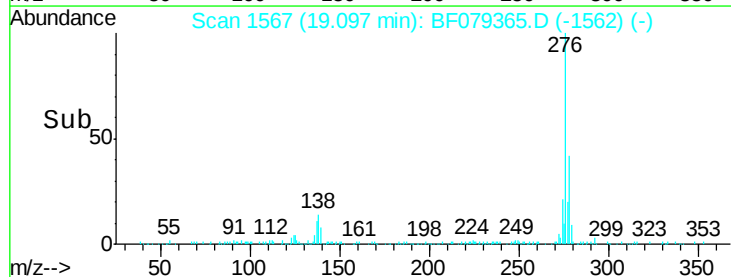
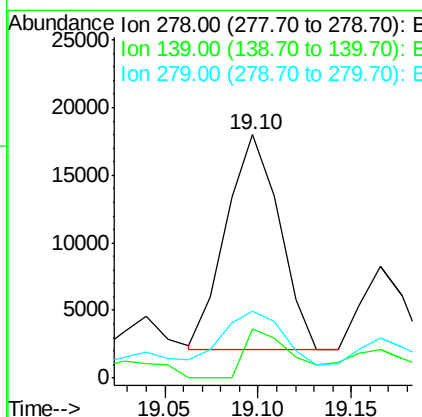
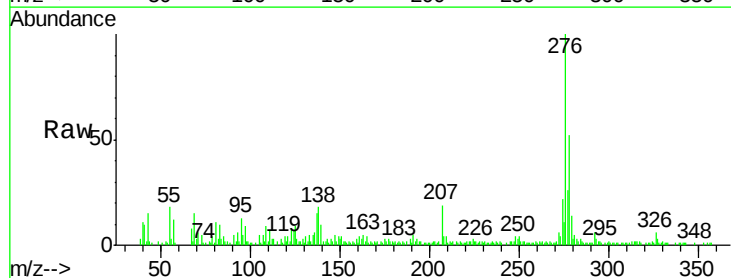
Instrument :
BNA_F
ClientSampleId :
SB-04

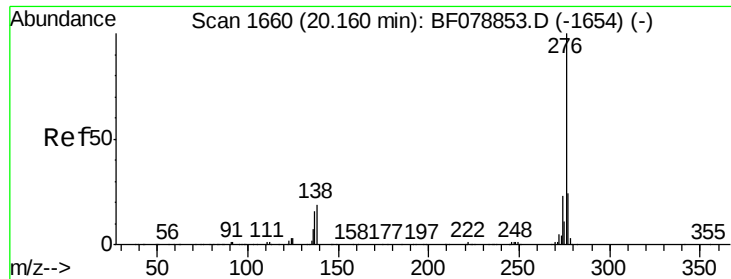
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.0	27.0
125	10.4	8.2	12.2



#90
Dibenzo(a,h)anthracene
Concen: 2.63 ng
RT: 19.10 min Scan# 1567
Delta R.T. -0.15 min
Lab File: BF079365.D
Acq: 20 May 2015 4:29

Tgt Ion	Ratio	Lower	Upper
278	100		
139	20.1	13.1	19.7#
279	27.7	19.1	28.7





#91
 Benzo(a,h,i)perylene
 Concen: 11.95 ng
 RT: 19.49 min Scan# 1601
 Delta R.T. -0.14 min
 Lab File: BF079365.D
 Acq: 20 May 2015 4:29

Instrument :
 BNA_F
 ClientSampleId :
 SB-04

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.8	28.2
138	22.4	15.2	22.8

