

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 05:37:49 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

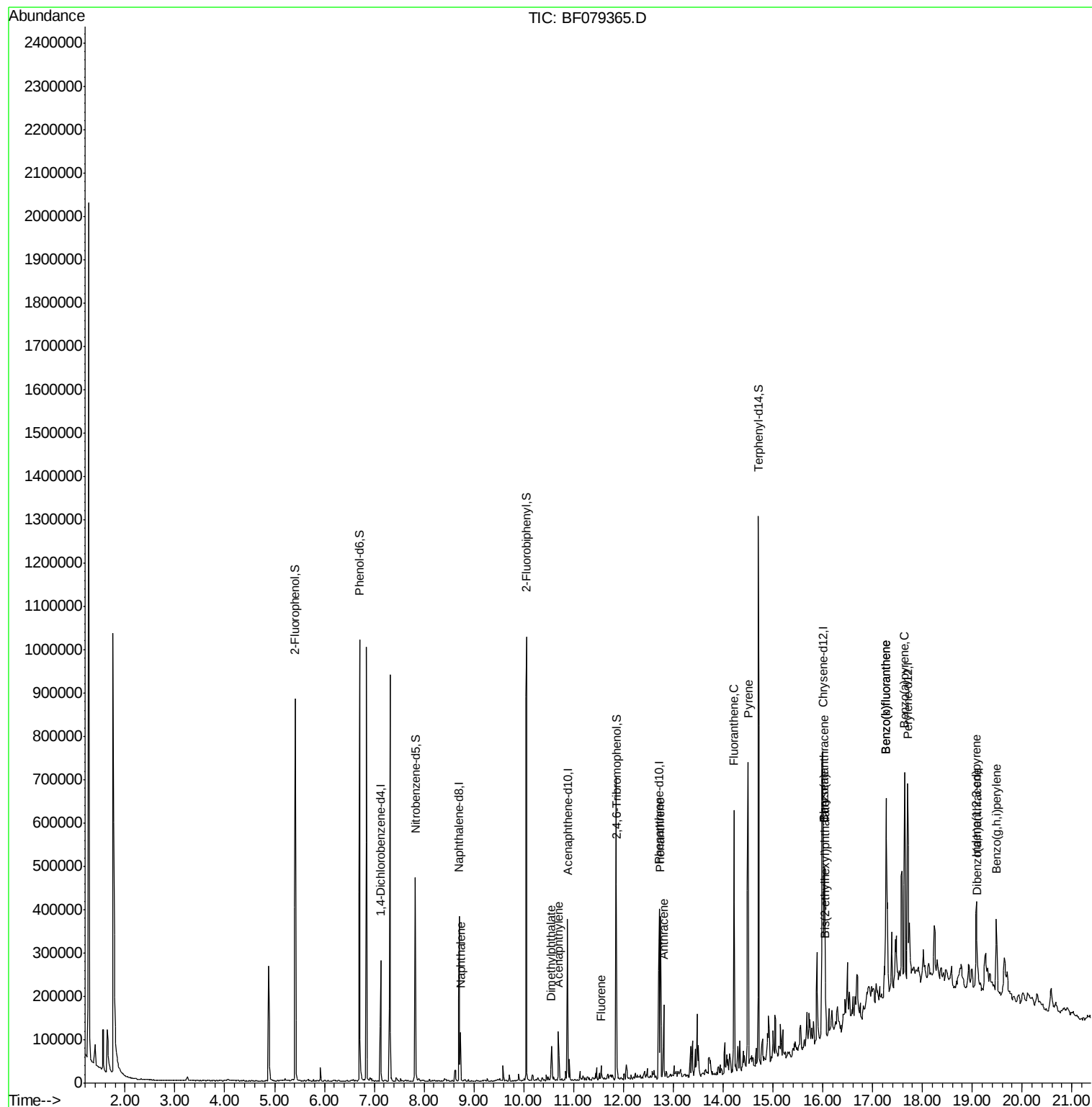
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.13	152	48501	20.00	ng	0.00
21) Naphthalene-d8	8.71	136	201987	20.00	ng	0.00
38) Acenaphthene-d10	10.88	164	98049	20.00	ng	0.00
63) Phenanthrene-d10	12.72	188	183694	20.00	ng	0.00
75) Chrysene-d12	16.00	240	201498	20.00	ng	-0.02
86) Perylene-d12	17.70	264	225882	20.00	ng	-0.11
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	292005	103.64	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	16.03	228	173899	15.76	ng	95
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	360784	29.18	ng	98
88) Benzo(k)fluoranthene	17.27	252	360784	30.14	ng	# 94
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(g,h,i)perylene	19.49	276	144870	11.95	ng	96

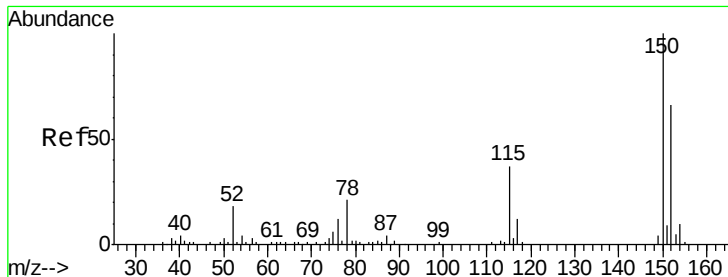
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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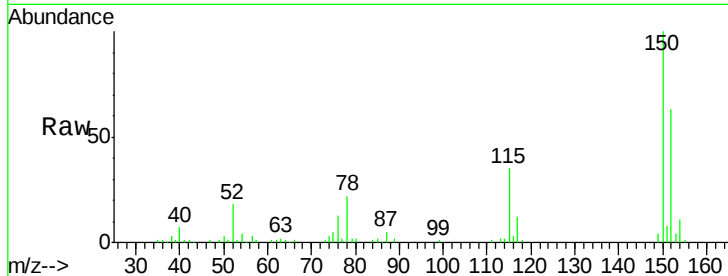




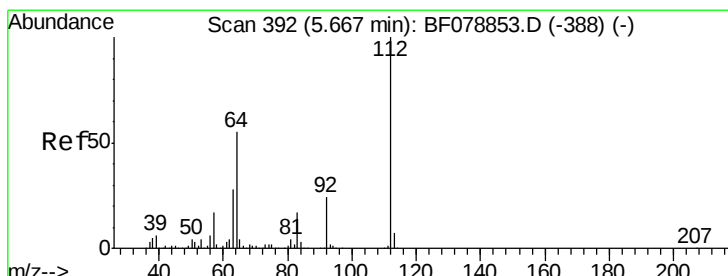
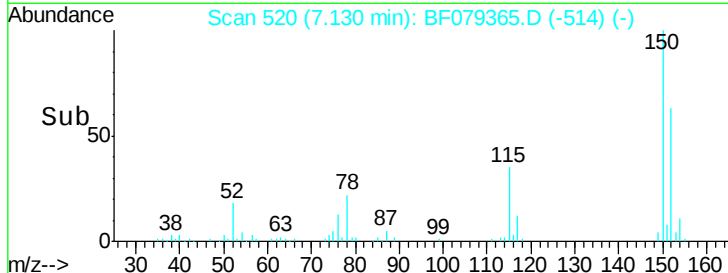
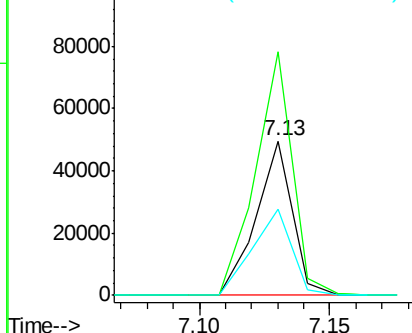
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.13 min Scan# 520
 Delta R.T. 0.00 min
 Lab File: BF079365.D
 Acq: 20 May 2015 4:29

Instrument :
 BNA_F
 ClientSampled :
 SB-04

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

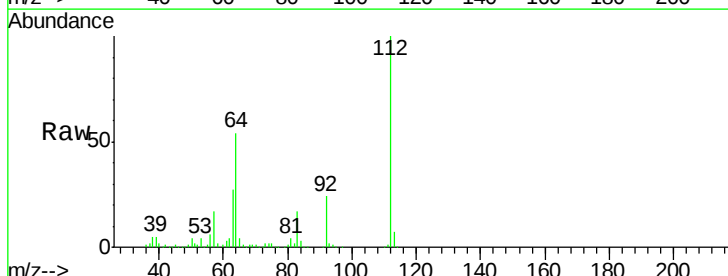


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

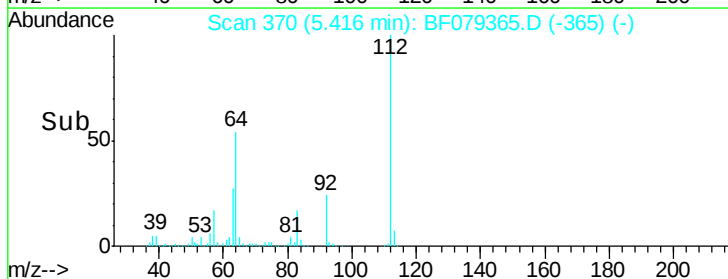
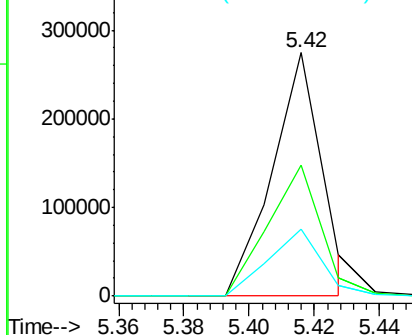


#5
 2-Fluorophenol
 Concen: 103.64 ng
 RT: 5.42 min Scan# 370
 Delta R.T. 0.00 min
 Lab File: BF079365.D
 Acq: 20 May 2015 4:29

Tgt Ion:	112	Resp:	292005
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 :

BNA_F

ClientSampleId :

SB-04

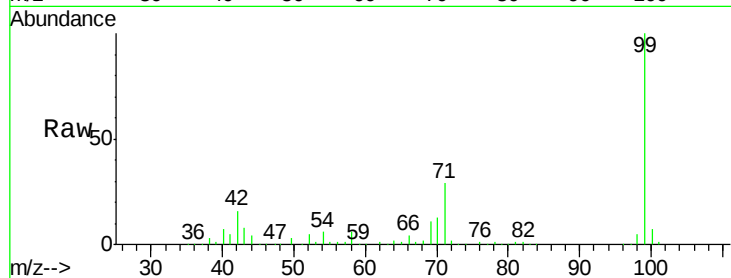
Tgt Ion: 99 Resp: 405064

Ion Ratio Lower Upper

99 100

42 15.6 17.1 25.7#

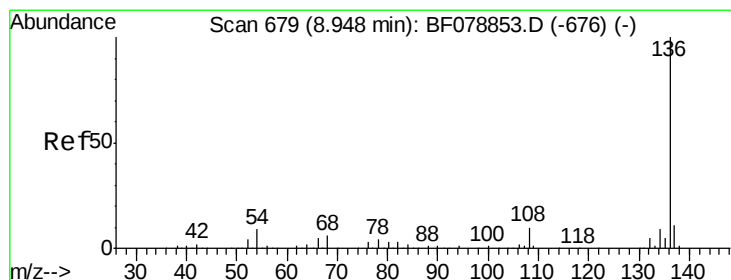
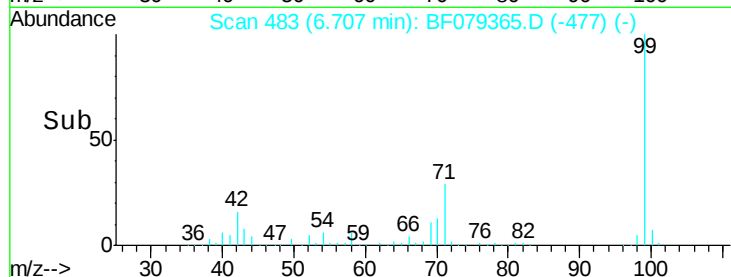
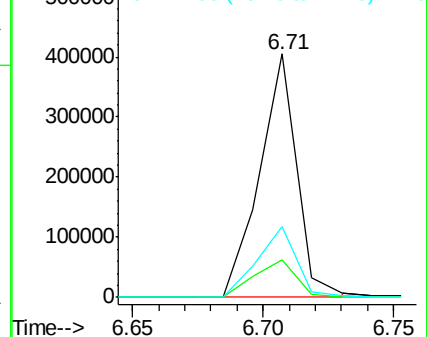
71 28.9 26.3 39.5



Abundance Ion 99.00 (98.70 to 99.70): 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: 8.71 min Scan# 658

Delta R.T. 0.00 min

Lab File: BF079365.D

Acq: 20 May 2015 4:29

Tgt Ion: 136 Resp: 201987

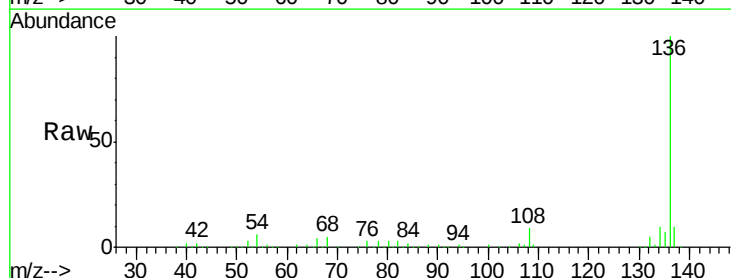
Ion Ratio Lower Upper

136 100

137 10.5 8.8 13.2

54 6.2 6.9 10.3#

68 4.8 4.9 7.3#

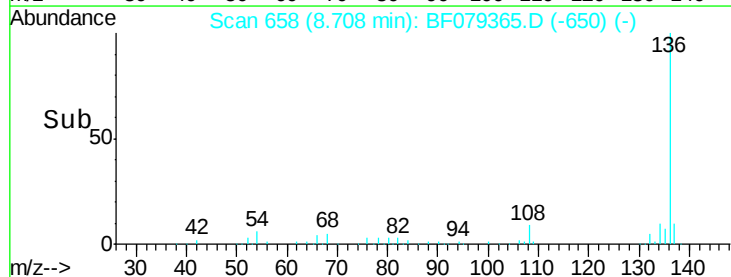
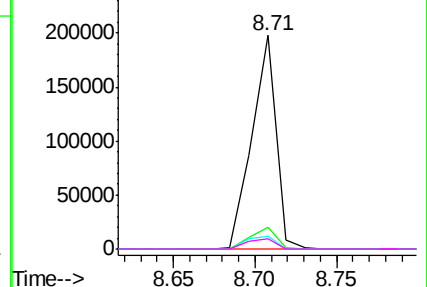


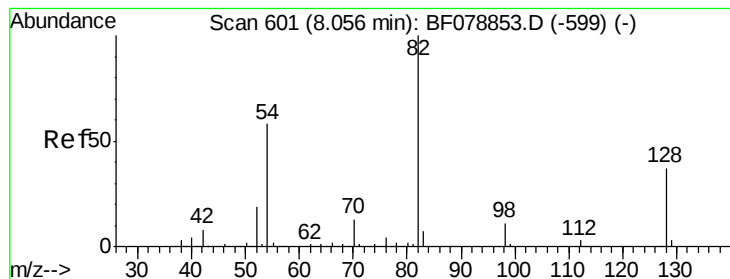
Abundance Ion 136.00 (135.70 to 136.70): E

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: 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

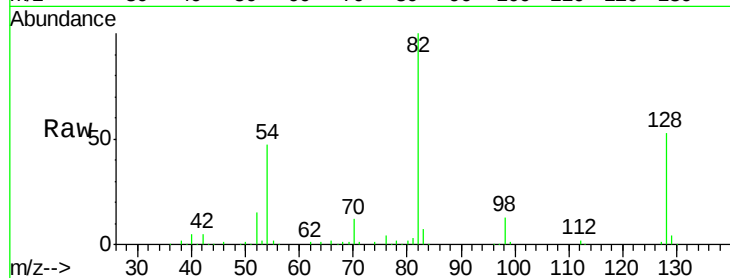
Tgt Ion: 82 Resp: 223183

Ion Ratio Lower Upper

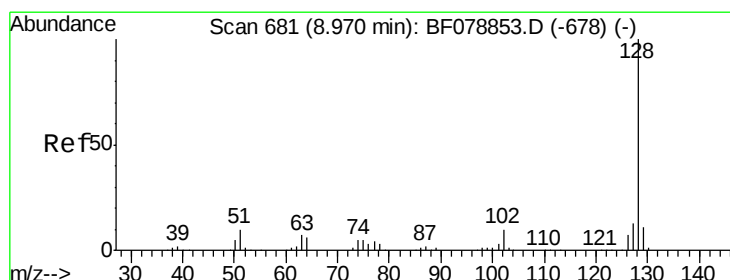
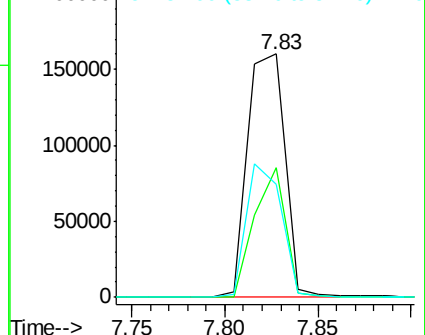
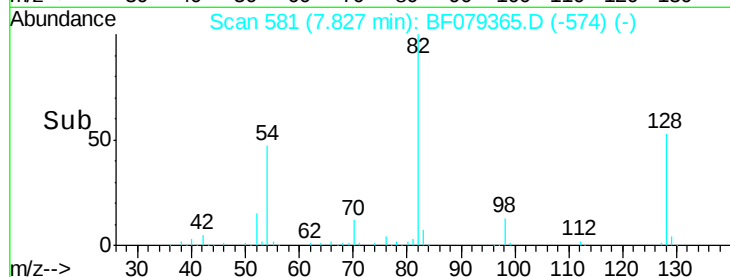
82 100

128 53.4 29.7 44.5#

54 46.5 46.2 69.4



Abundance Ion 82.00 (81.70 to 82.70): BF079365.D (-574) (-)



#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

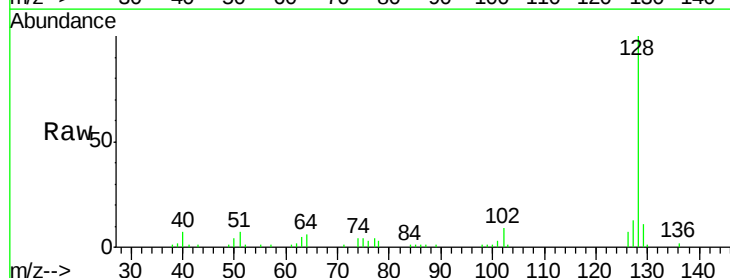
Tgt Ion: 128 Resp: 46854

Ion Ratio Lower Upper

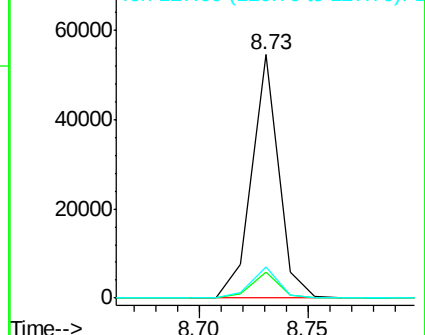
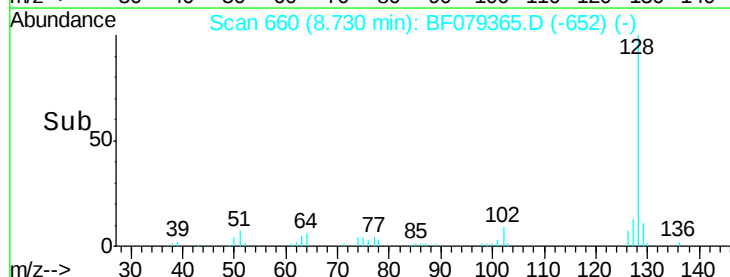
128 100

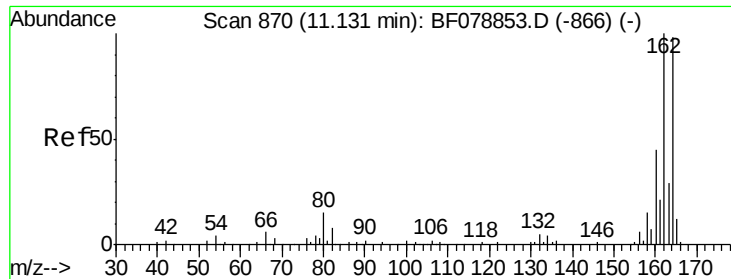
129 10.9 9.2 13.8

127 12.8 10.3 15.5



Abundance Ion 128.00 (127.70 to 128.70): BF079365.D (-652) (-)

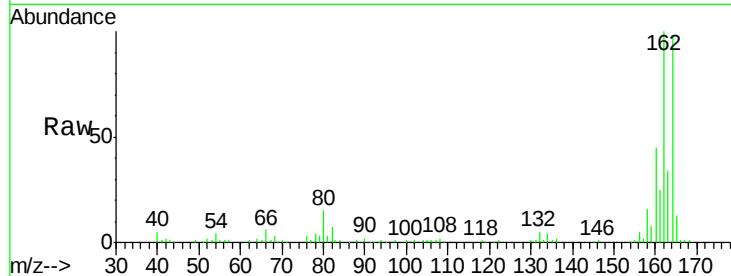




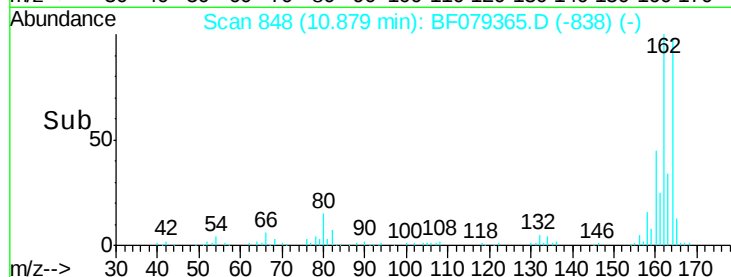
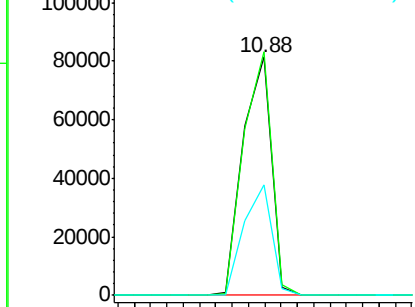
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.88 min Scan# 848
 Delta R.T. 0.00 min
 Lab File: BF079365.D
 Acq: 20 May 2015 4:29

Instrument :
 BNA_F
 ClientSampled :
 SB-04

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

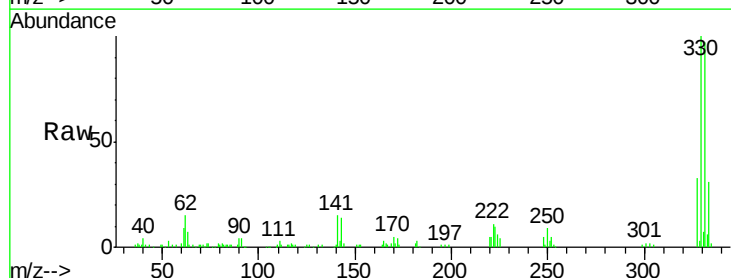


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

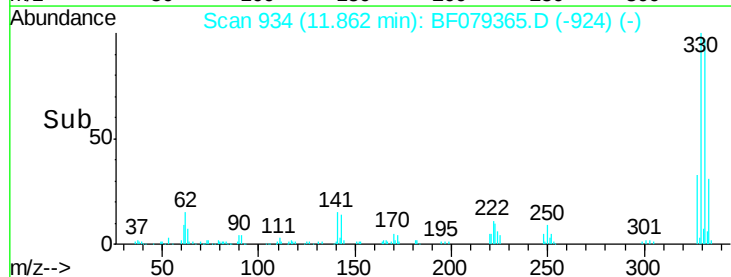
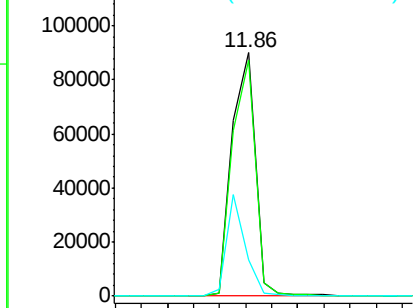


#41
 2,4,6-Tribromophenol
 Concen: 105.69 ng
 RT: 11.86 min Scan# 934
 Delta R.T. 0.00 min
 Lab File: BF079365.D
 Acq: 20 May 2015 4:29

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

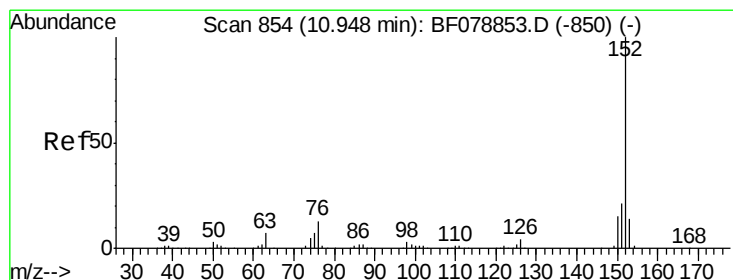
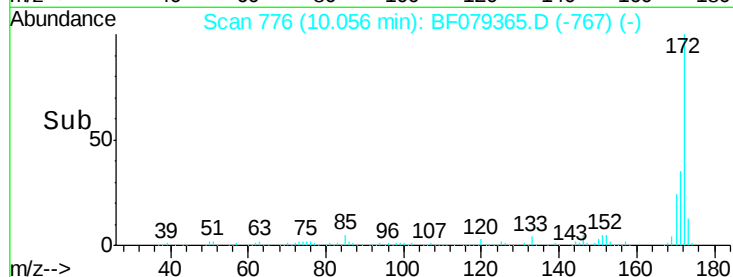
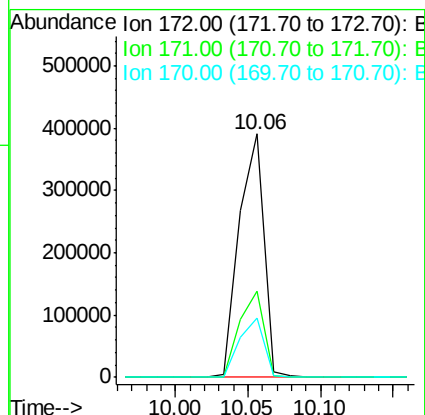
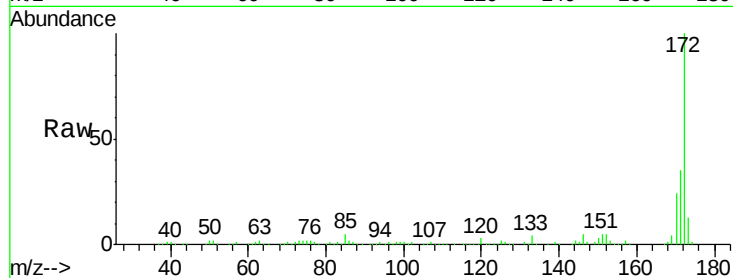




#44
 2-Fluorobiphenyl
 Concen: 66.02 ng
 RT: 10.06 min Scan# 776
 Delta R.T. 0.00 min
 Lab File: BF079365.D
 Acq: 20 May 2015 4:29

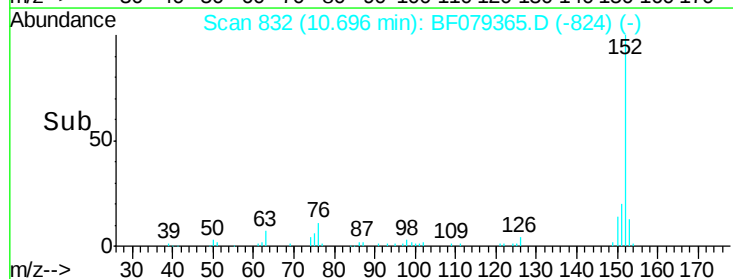
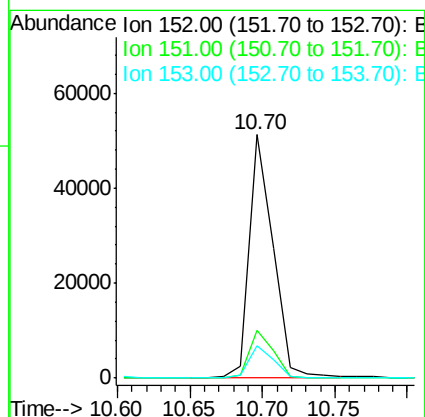
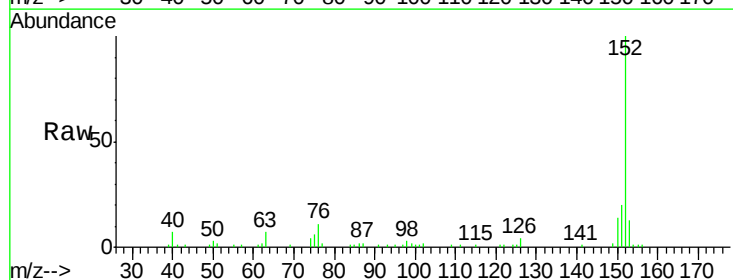
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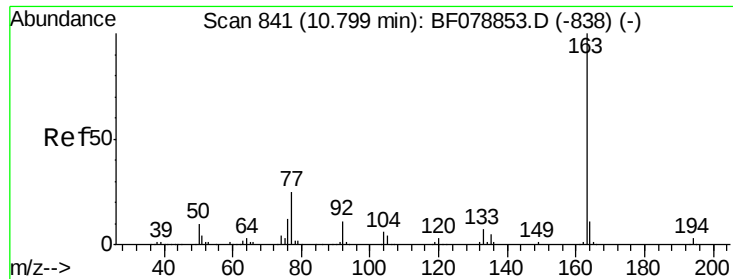
Tgt Ion:172 Resp: 464606
 Ion Ratio Lower Upper
 172 100
 171 35.1 28.3 42.5
 170 24.2 19.4 29.2



#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

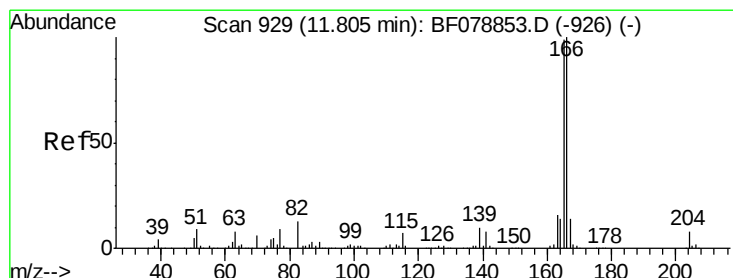
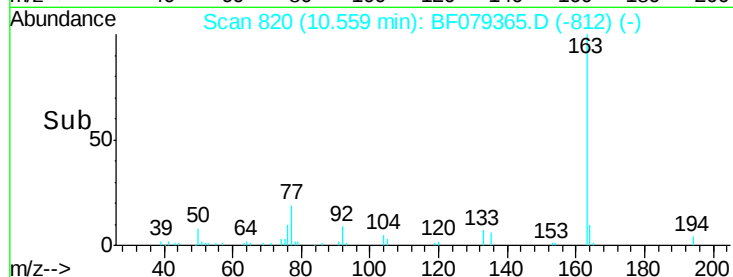
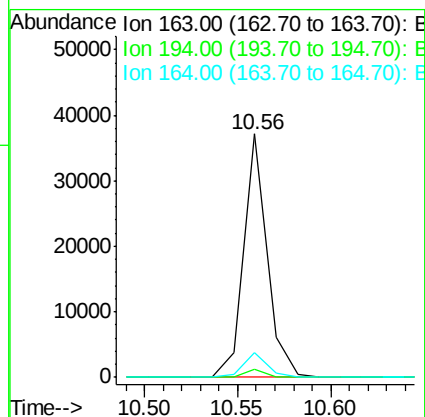
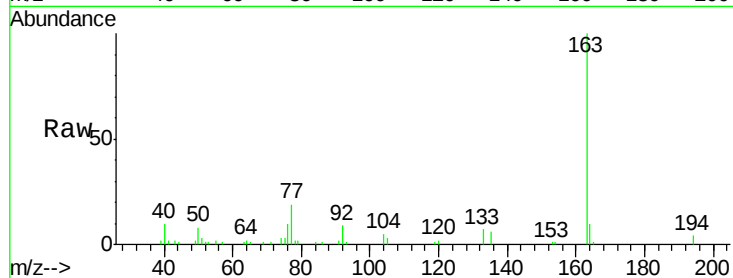




#49
Dimethylphthalate
Concen: 4.53 ng
RT: 10.56 min Scan# 820
Delta R.T. -0.01 min
Lab File: BF079365.D
Acq: 20 May 2015 4:29

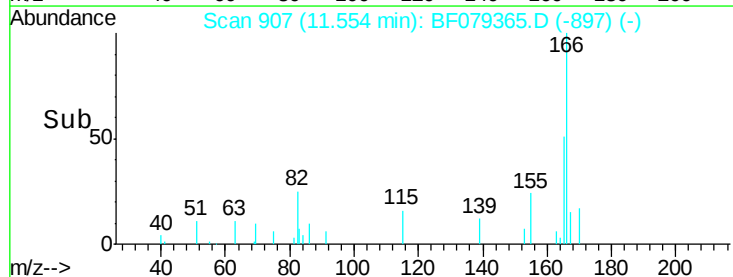
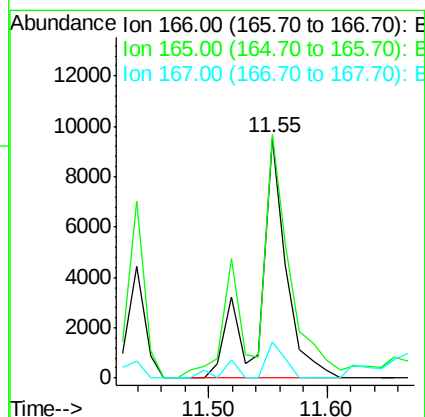
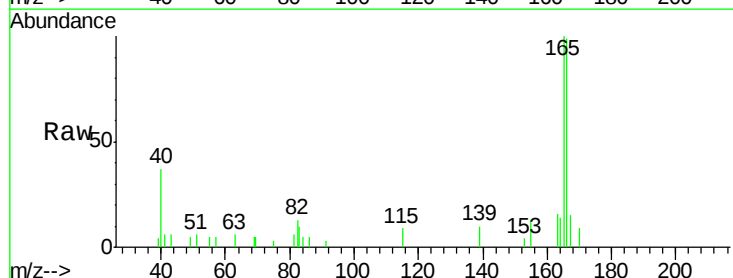
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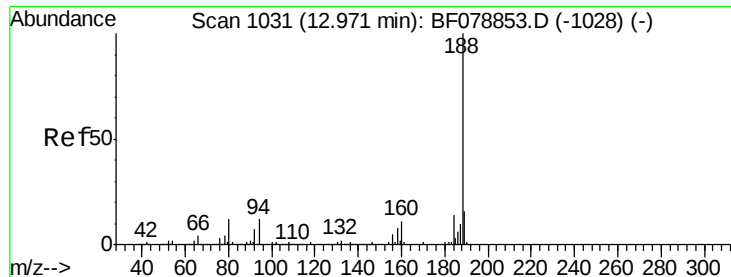
Tgt Ion:163 Resp: 32564
Ion Ratio Lower Upper
163 100
194 3.5 2.4 3.6
164 9.9 8.6 12.8



#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

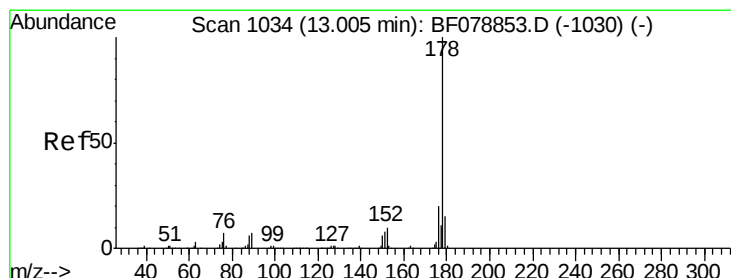
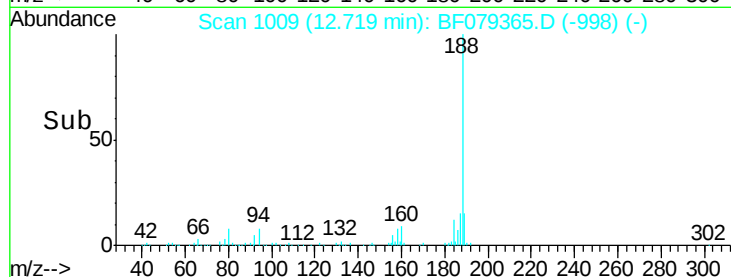
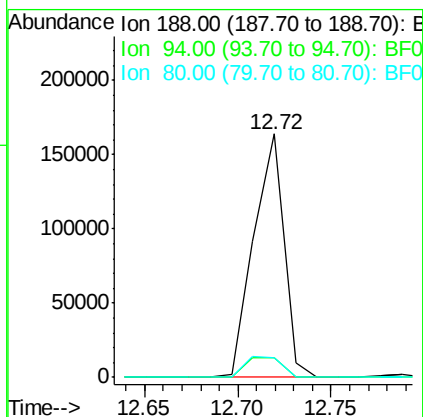
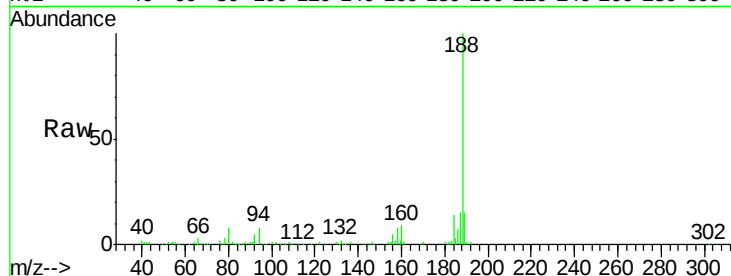




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.72 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BF079365.D
Acq: 20 May 2015 4:29

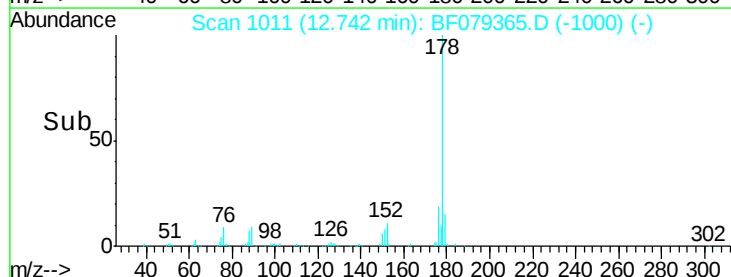
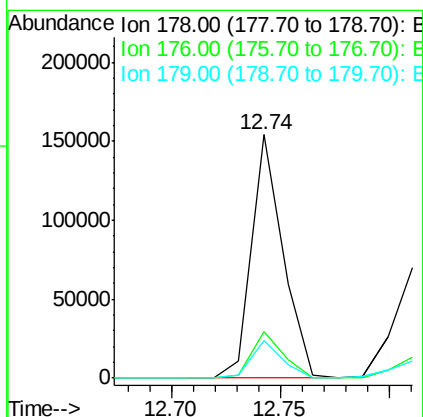
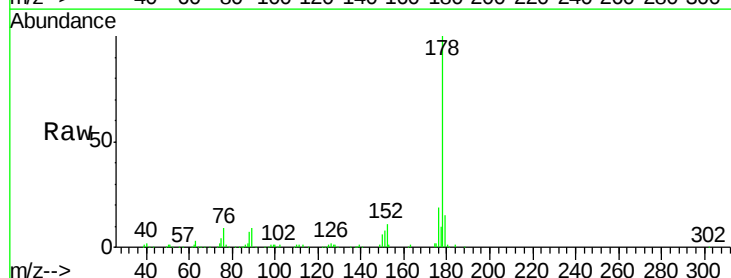
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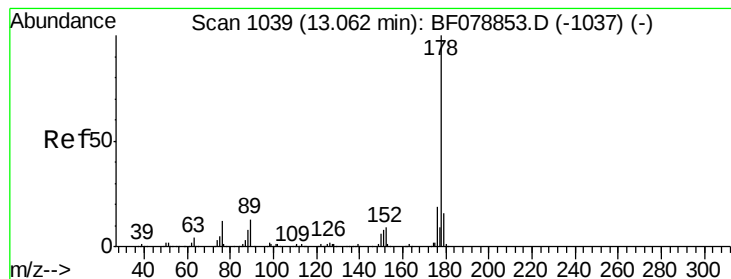
Tgt Ion:188 Resp: 183694
Ion Ratio Lower Upper
188 100
94 8.0 9.4 14.0#
80 8.3 9.8 14.6#



#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





#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

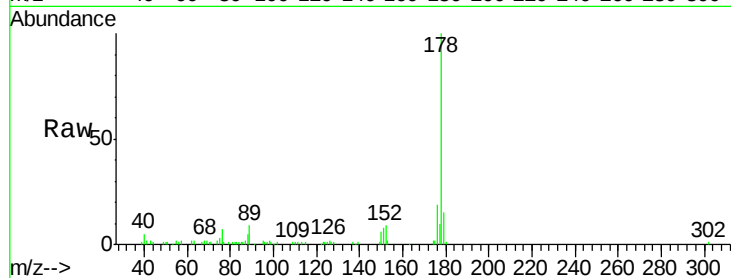
Tgt Ion:178 Resp: 69605

Ion Ratio Lower Upper

178 100

176 18.8 15.3 22.9

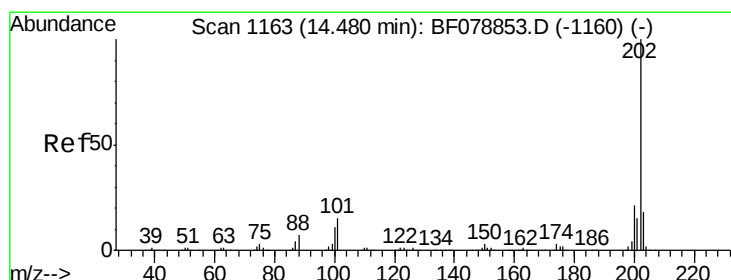
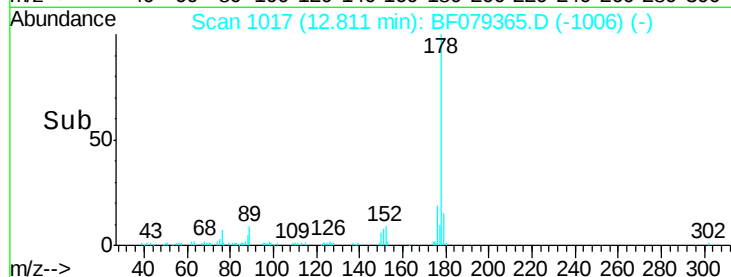
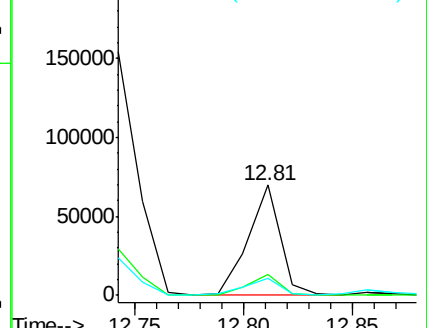
179 15.1 12.6 19.0



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

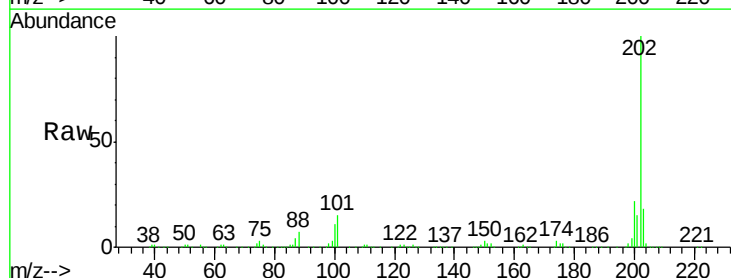
Tgt Ion:202 Resp: 317057

Ion Ratio Lower Upper

202 100

101 14.8 0.0 34.7

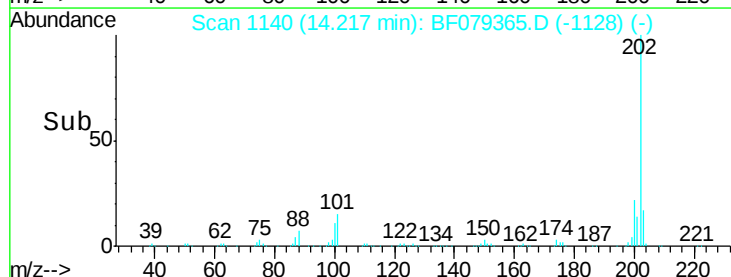
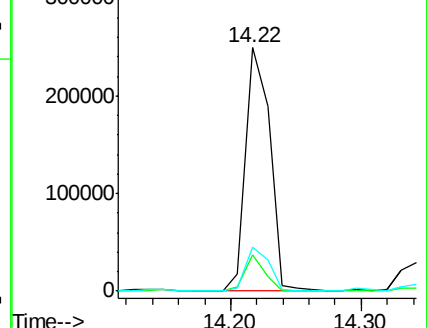
203 18.0 0.0 37.9

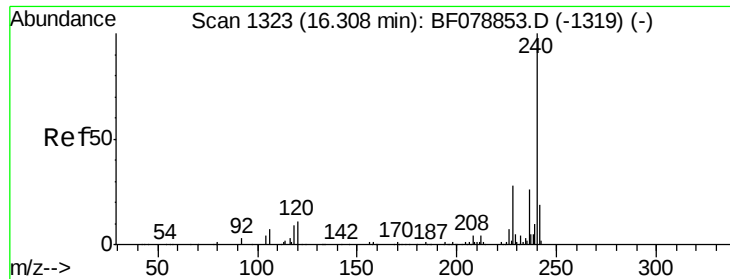


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

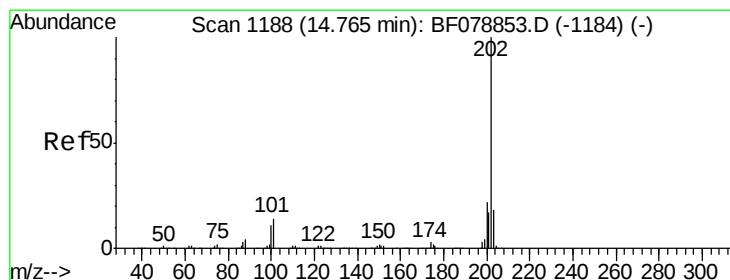
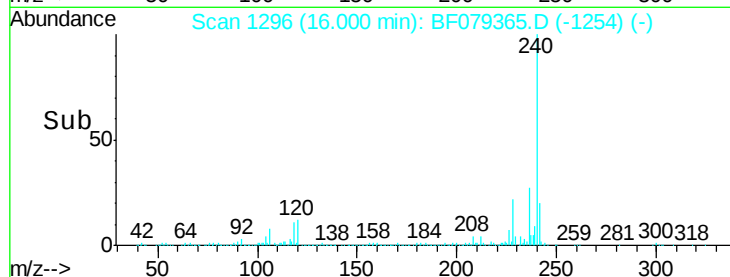
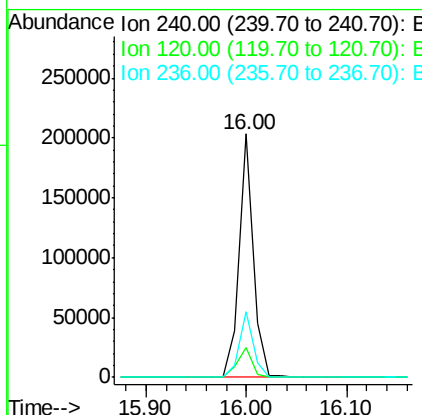
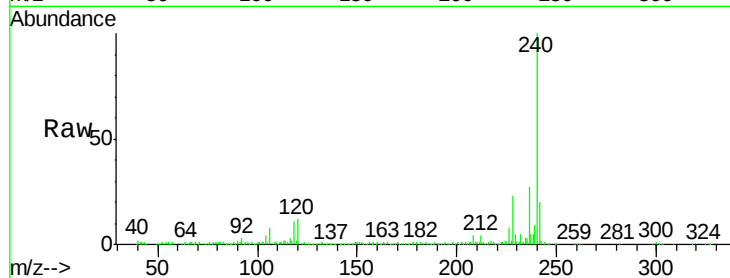




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 16.00 min Scan# 1296
 Delta R.T. -0.02 min
 Lab File: BF079365.D
 Acq: 20 May 2015 4:29

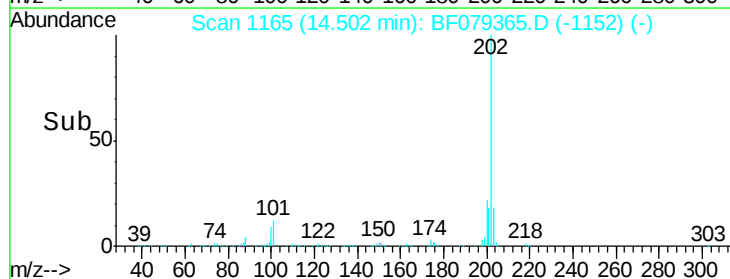
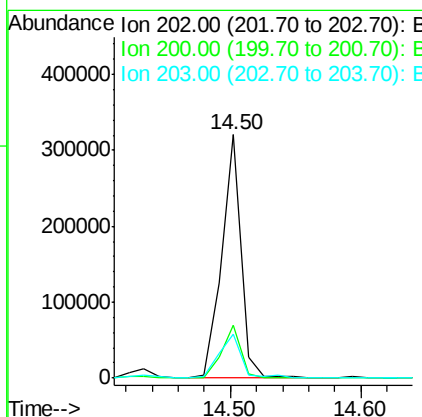
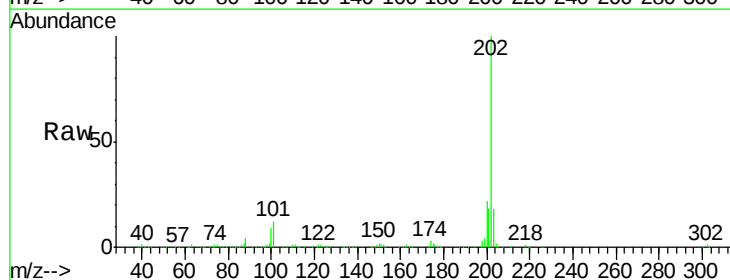
Instrument :
 BNA_F
 ClientSampleId :
 SB-04

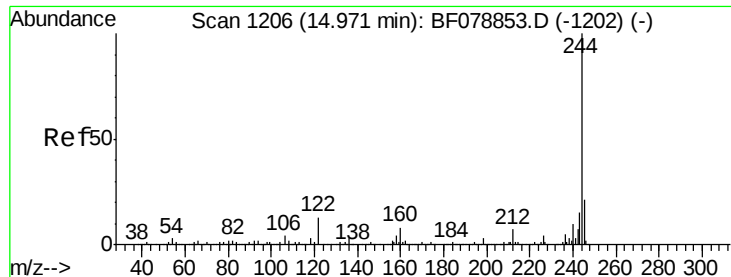
Tgt Ion:240 Resp: 201498
 Ion Ratio Lower Upper
 240 100
 120 12.1 8.6 12.8
 236 26.9 21.0 31.6



#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





#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

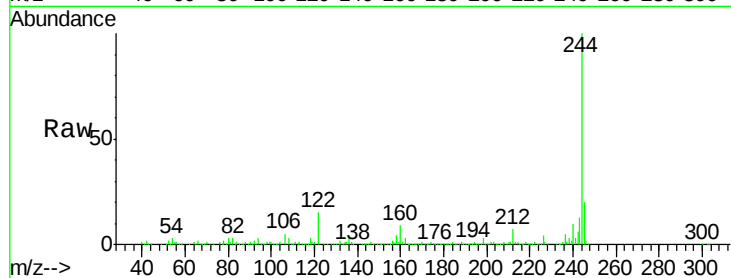
Tgt Ion:244 Resp: 527208

Ion Ratio Lower Upper

244 100

212 7.4 5.6 8.4

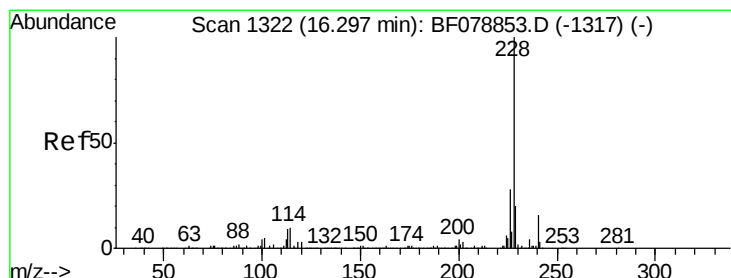
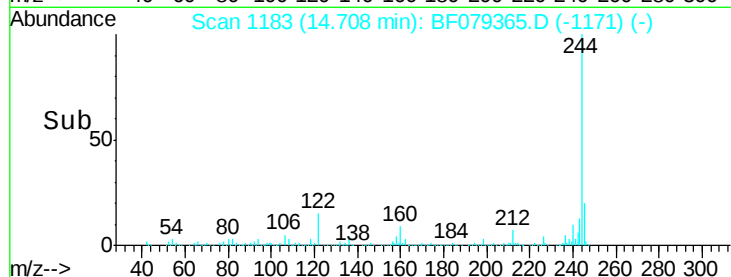
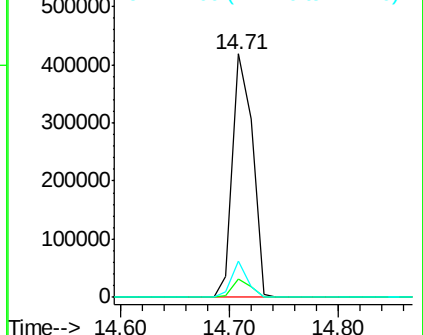
122 15.0 10.5 15.7



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: 15.76 ng

RT: 16.03 min Scan# 1299

Delta R.T. 0.02 min

Lab File: BF079365.D

Acq: 20 May 2015 4:29

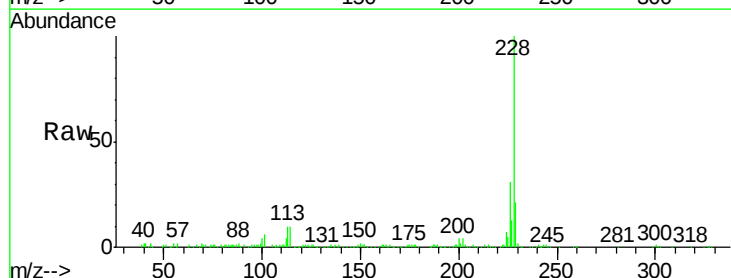
Tgt Ion:228 Resp: 173899

Ion Ratio Lower Upper

228 100

226 31.3 22.3 33.5

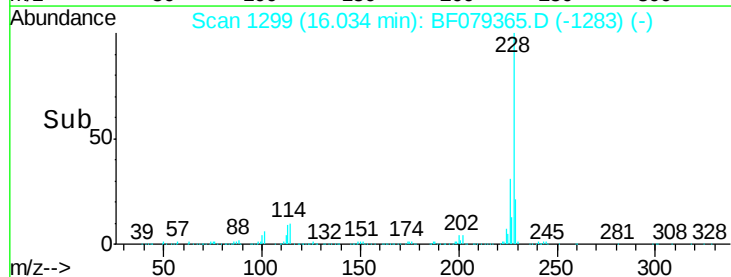
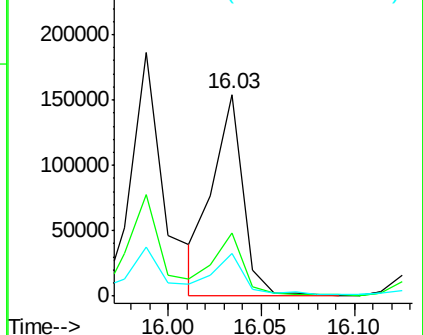
229 21.4 16.1 24.1

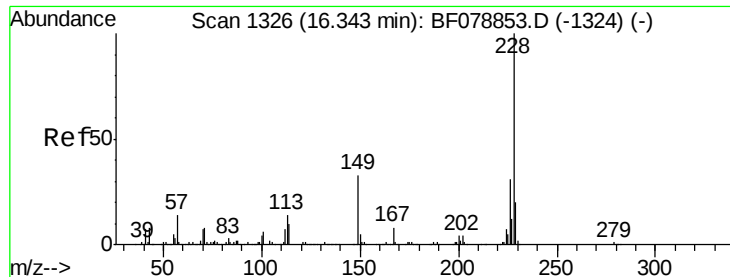


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#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

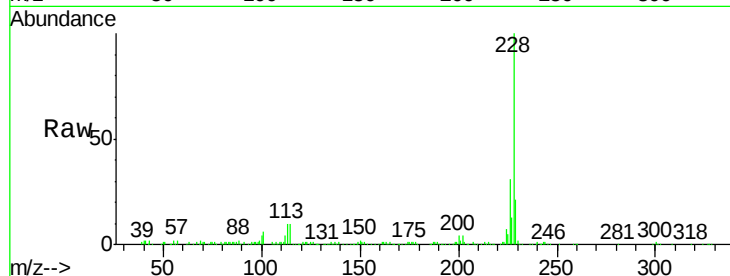
Tgt Ion: 228 Resp: 173501

Ion Ratio Lower Upper

228 100

226 31.3 24.8 37.2

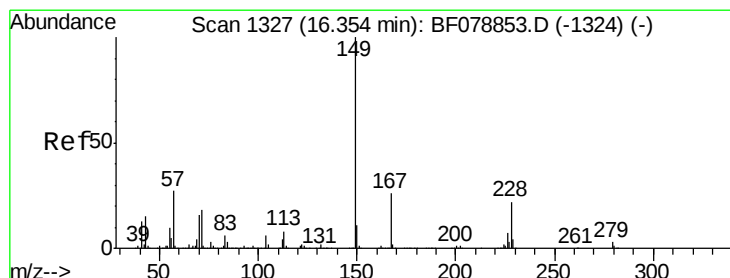
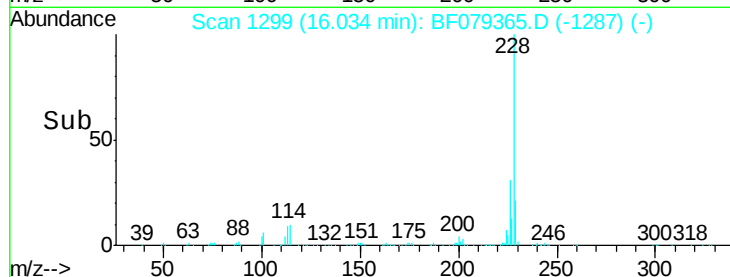
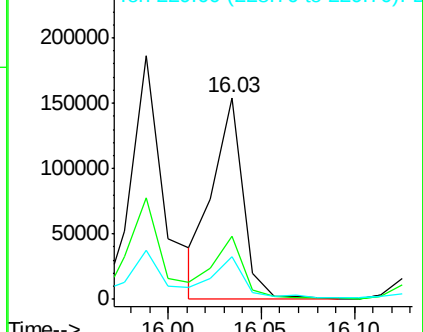
229 21.4 16.1 24.1



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

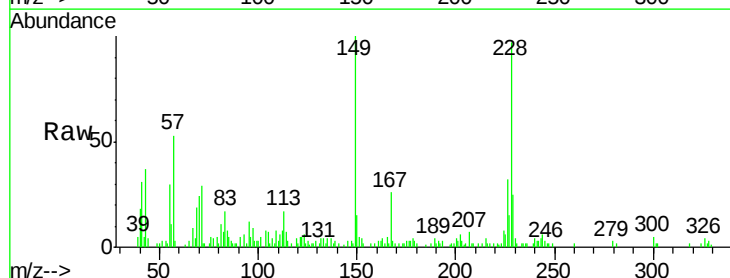
Tgt Ion: 149 Resp: 30480

Ion Ratio Lower Upper

149 100

167 26.1 21.2 31.8

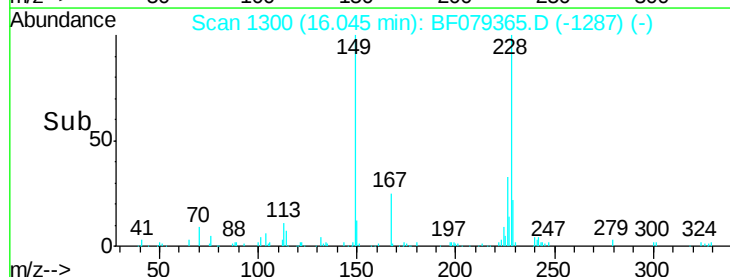
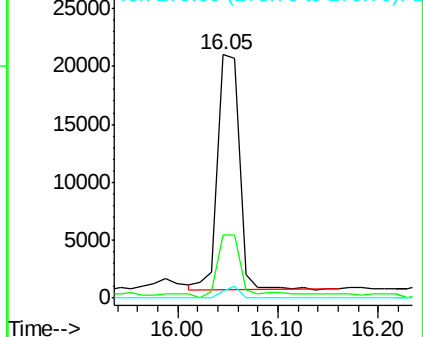
279 2.6 2.6 4.0#

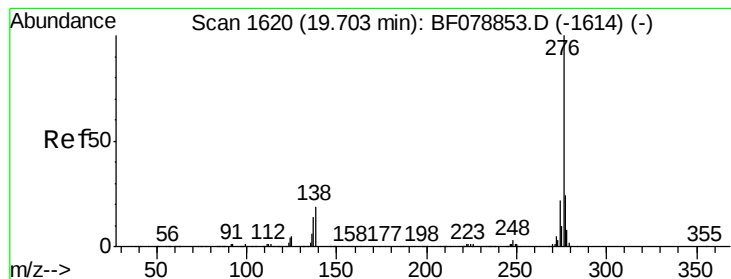


Abundance Ion 149.00 (148.70 to 149.70): E

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

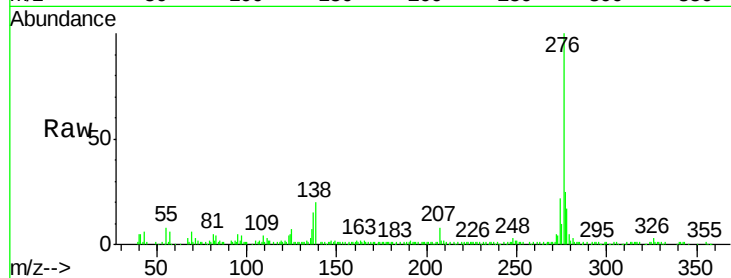
Tgt Ion: 276 Resp: 145585

Ion Ratio Lower Upper

276 100

138 22.0 21.1 31.7

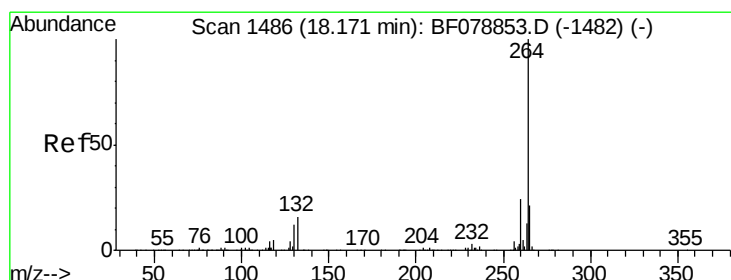
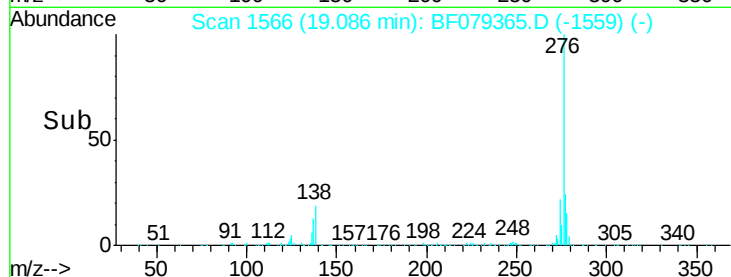
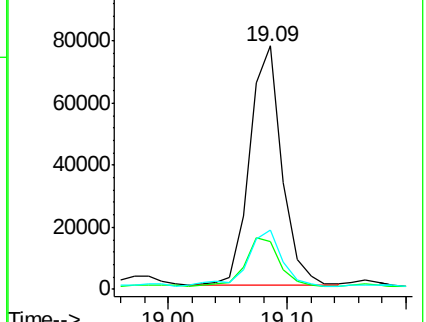
277 26.6 19.9 29.9



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

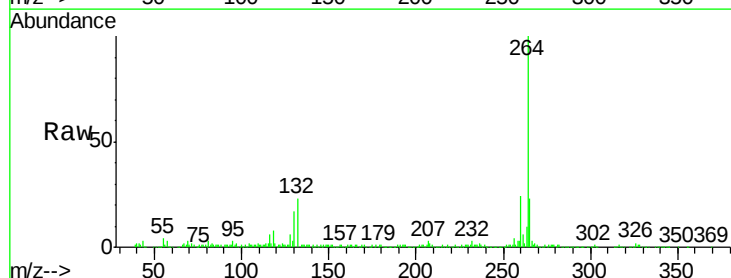
Tgt Ion: 264 Resp: 225882

Ion Ratio Lower Upper

264 100

260 24.0 19.2 28.8

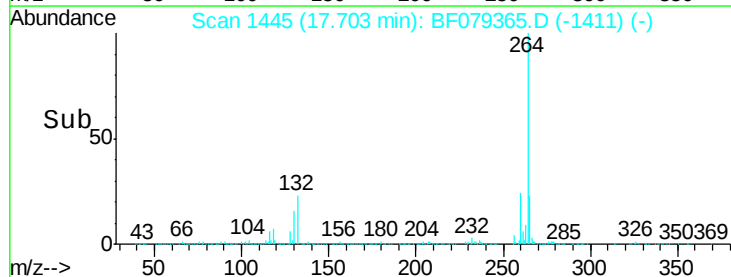
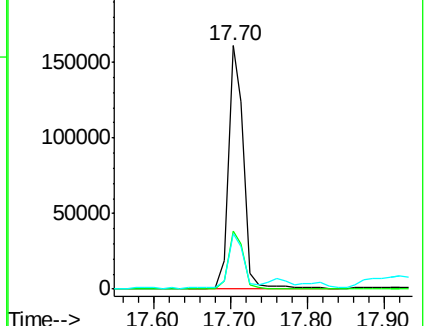
265 23.0 17.2 25.8

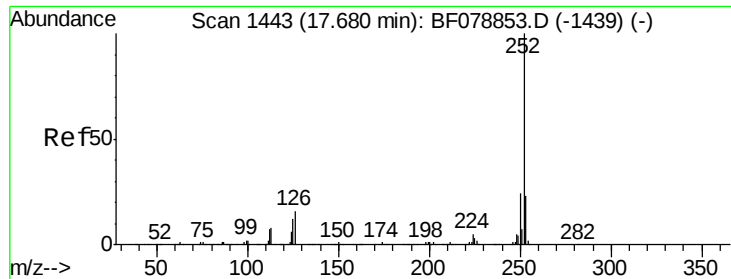


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

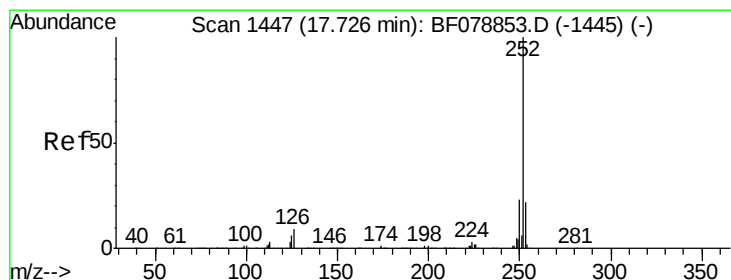
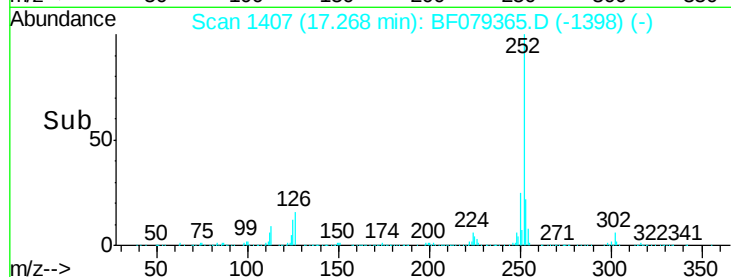
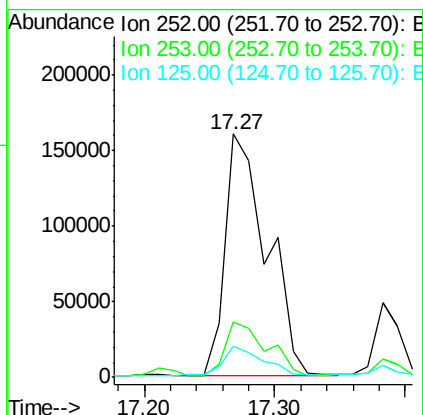
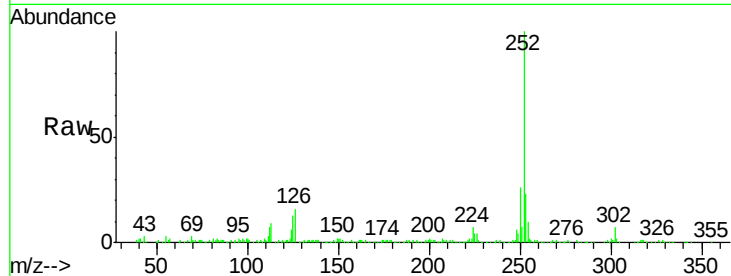




#87
Benzo(b)fluoranthene
Concen: 29.18 ng
RT: 17.27 min Scan# 1407
Delta R.T. -0.08 min
Lab File: BF079365.D
Acq: 20 May 2015 4:29

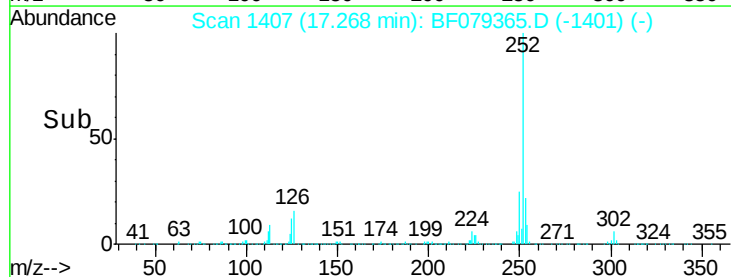
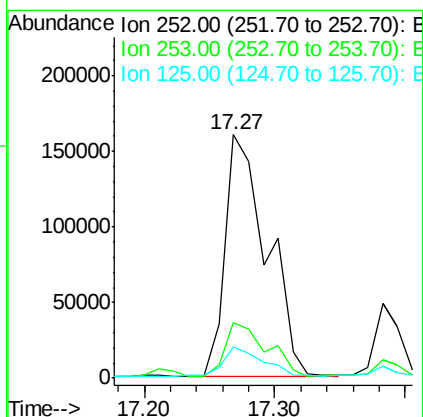
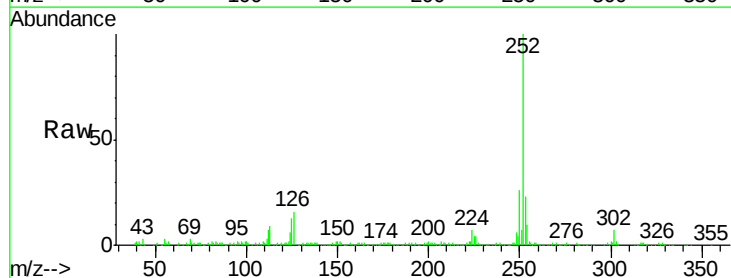
Instrument :
BNA_F
ClientSampleId :
SB-04

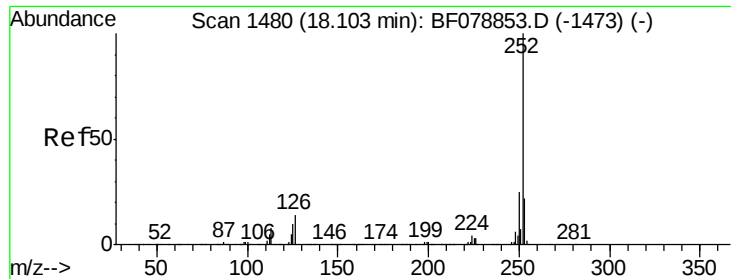
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.1	27.1
125	12.9	9.4	14.2



#88
Benzo(k)fluoranthene
Concen: 30.14 ng
RT: 17.27 min Scan# 1407
Delta R.T. -0.11 min
Lab File: BF079365.D
Acq: 20 May 2015 4:29

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.0
125	12.9	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

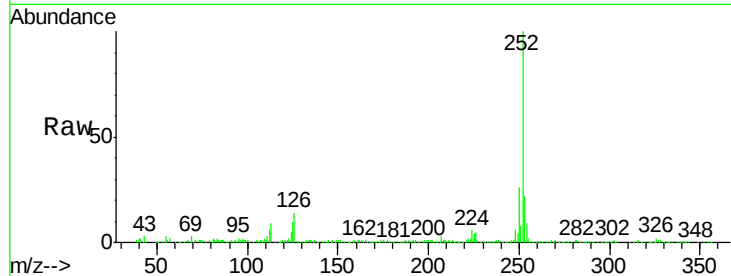
Tgt Ion:252 Resp: 215553

Ion Ratio Lower Upper

252 100

253 22.4 18.0 27.0

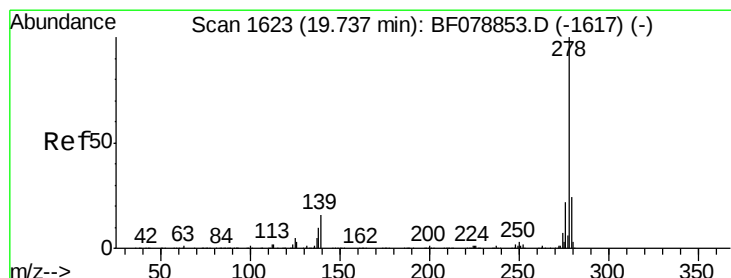
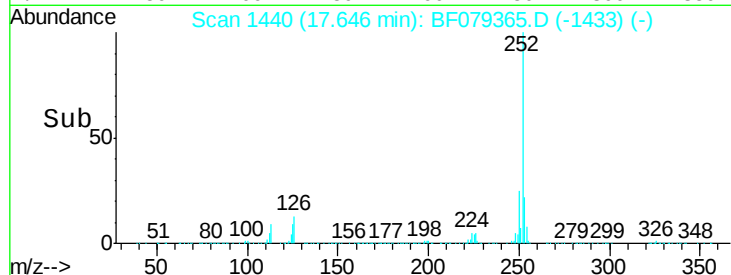
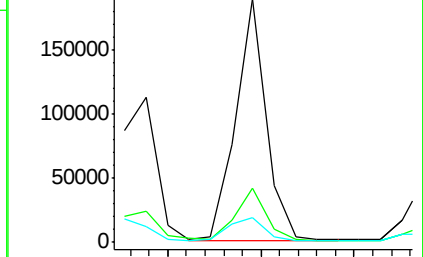
125 10.4 8.2 12.2



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



#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

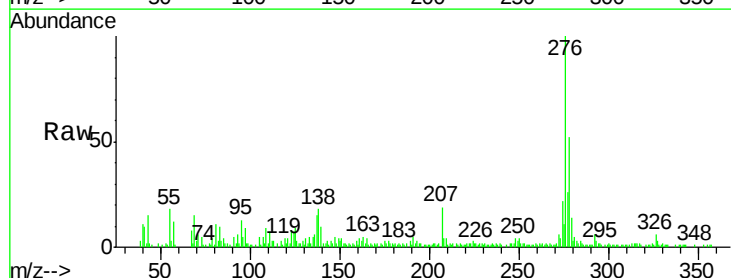
Tgt Ion:278 Resp: 31774

Ion Ratio Lower Upper

278 100

139 20.1 13.1 19.7#

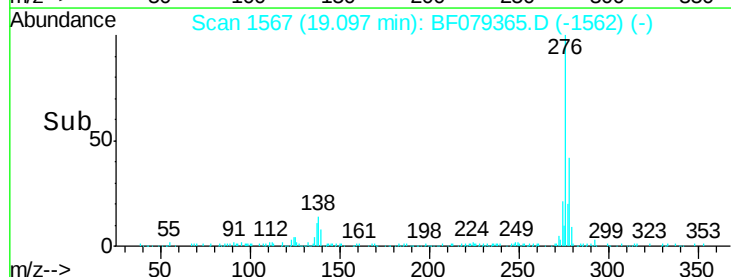
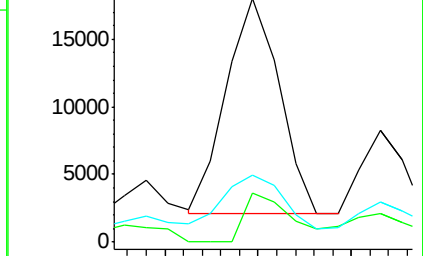
279 27.7 19.1 28.7

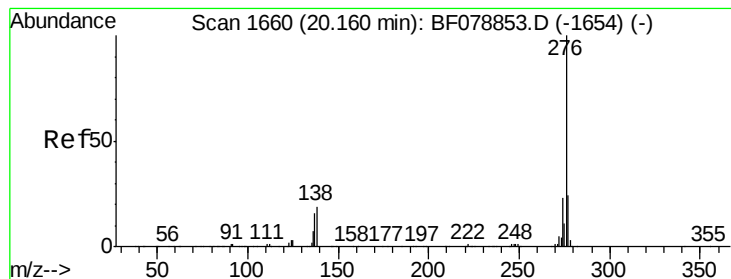


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 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

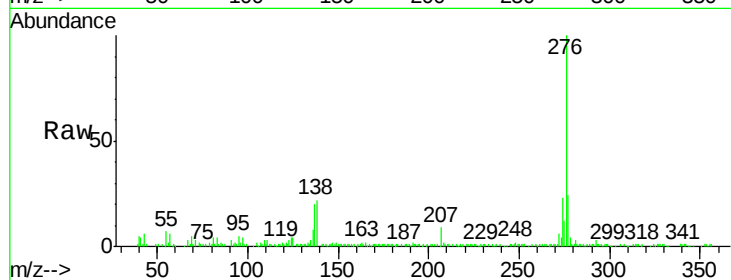
Tgt Ion: 276 Resp: 144870

Ion Ratio Lower Upper

276 100

277 24.4 18.8 28.2

138 22.4 15.2 22.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

