

Data Path : Z:\HPCHEM1\BNA F\DATA\BF051915\
 Data File : BF079366.D
 Acq On : 20 May 2015 4:58
 Operator : TP/IZ
 Sample : G2281-05
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-03

Quant Time: May 20 06:53:17 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

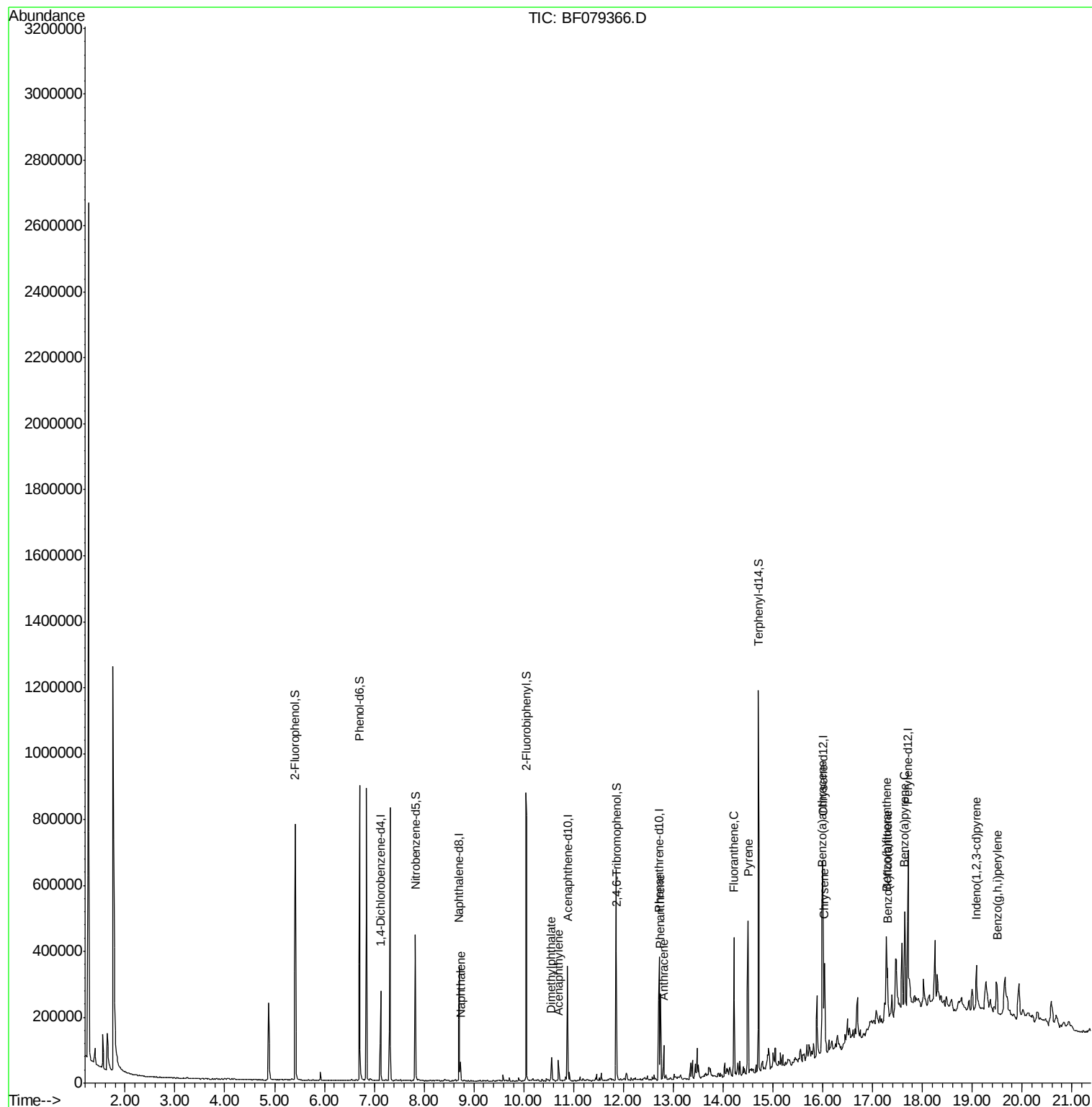
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.13	152	47193	20.00	ng	0.00
21) Naphthalene-d8	8.71	136	188935	20.00	ng	0.00
38) Acenaphthene-d10	10.88	164	90745	20.00	ng	0.00
63) Phenanthrene-d10	12.72	188	175225	20.00	ng	0.00
75) Chrysene-d12	16.00	240	191024	20.00	ng	-0.02
86) Perylene-d12	17.71	264	218557	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	262482m	95.74	ng	0.00
7) Phenol-d6	6.71	99	354447	97.81	ng	0.00
23) Nitrobenzene-d5	7.83	82	199442	60.67	ng	0.00
41) 2,4,6-Tribromophenol	11.86	330	100897	102.78	ng	0.00
44) 2-Fluorobiphenyl	10.06	172	414320	63.61	ng	0.00
78) Terphenyl-d14	14.71	244	471144	59.05	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.73	128	24213	2.69	ng	99
48) Acenaphthylene	10.70	152	33552	3.63	ng	98
49) Dimethylphthalate	10.56	163	28264	4.24	ng	99
70) Phenanthrene	12.74	178	102789	10.49	ng	99
71) Anthracene	12.81	178	39673	4.13	ng	99
74) Fluoranthene	14.22	202	209792	20.54	ng	99
77) Pyrene	14.50	202	211841	19.24	ng	99
80) Benzo(a)anthracene	15.99	228	137682m	13.16	ng	
82) Chrysene	16.03	228	111496	11.08	ng	98
85) Indeno(1,2,3-cd)pyrene	19.09	276	93836	7.32	ng	95
87) Benzo(b)fluoranthene	17.28	252	173124m	14.47	ng	
88) Benzo(k)fluoranthene	17.30	252	59701m	5.16	ng	
89) Benzo(a)pyrene	17.65	252	129760	11.78	ng	# 97
91) Benzo(a,h,i)perylene	19.50	276	91676	7.81	ng	97

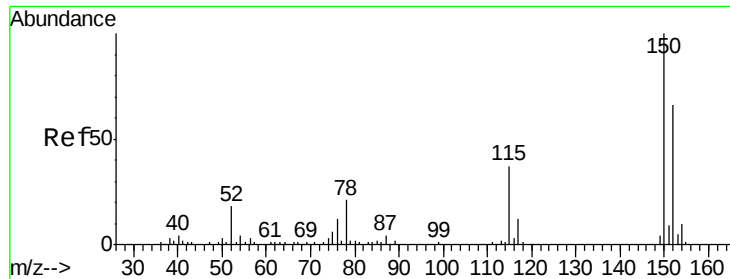
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF079366.D

Acq: 20 May 2015 4:58

Instrument :

BNA_F

ClientSampleId :

SB-03

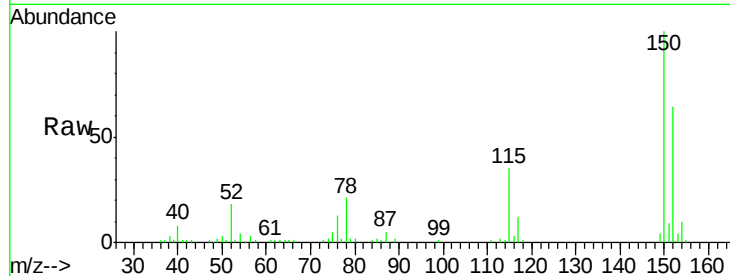
Tot Ion:152 Resp: 47193

Ion Ratio Lower Upper

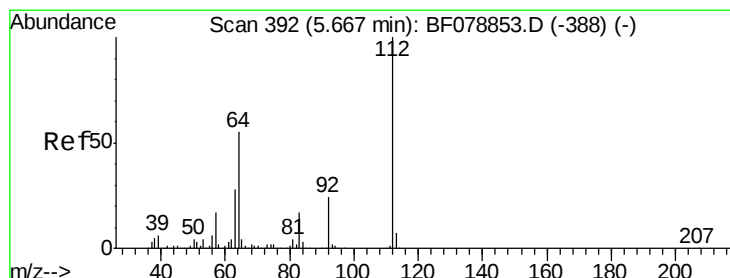
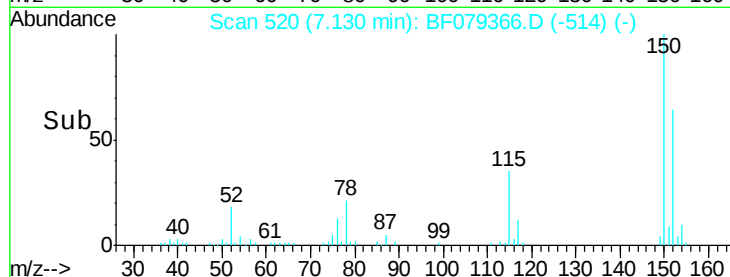
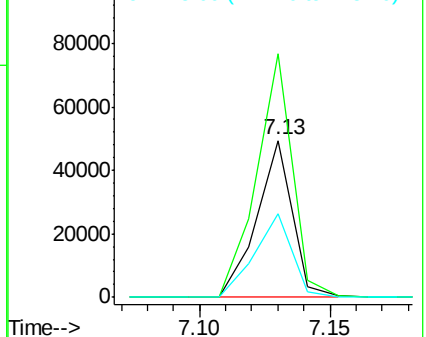
152 100

150 155.3 123.8 185.8

115 53.7 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: 95.74 ng m

RT: 5.42 min Scan# 370

Delta R.T. -0.00 min

Lab File: BF079366.D

Acq: 20 May 2015 4:58

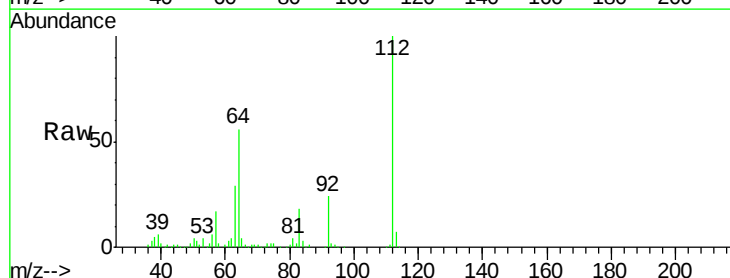
Tgt Ion:112 Resp: 262482

Ion Ratio Lower Upper

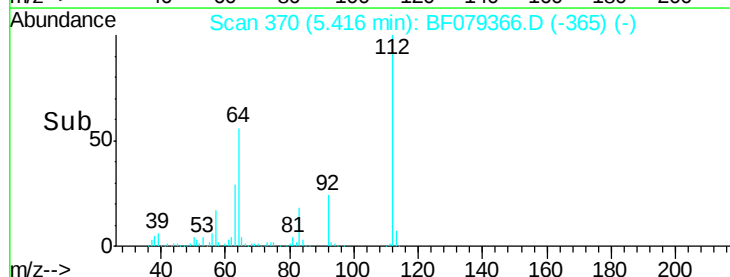
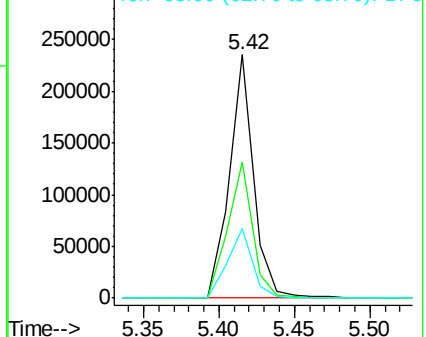
112 100

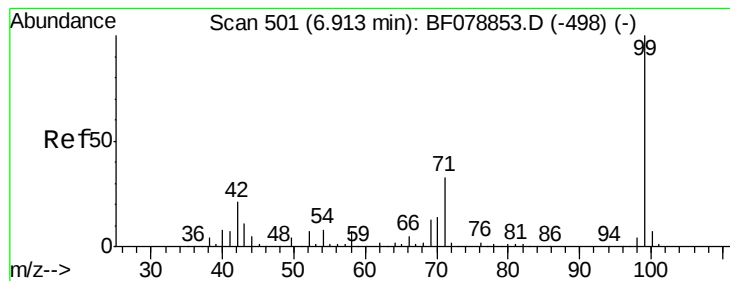
64 55.9 44.2 66.2

63 28.6 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: 97.81 ng

RT: 6.71 min Scan# 483

Delta R.T. -0.00 min

Lab File: BF079366.D

Acq: 20 May 2015 4:58

Instrument :

BNA_F

ClientSampleId :

SB-03

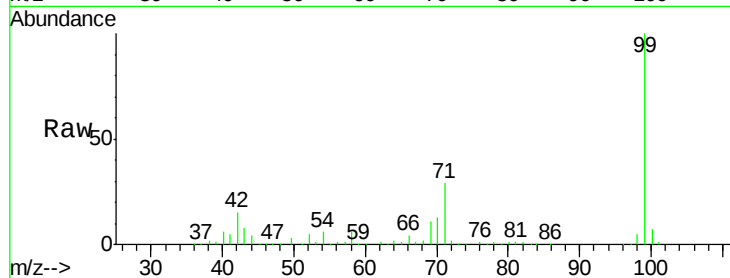
Tot Ion: 99 Resp: 354447

Ion Ratio Lower Upper

99 100

42 15.3 17.1 25.7#

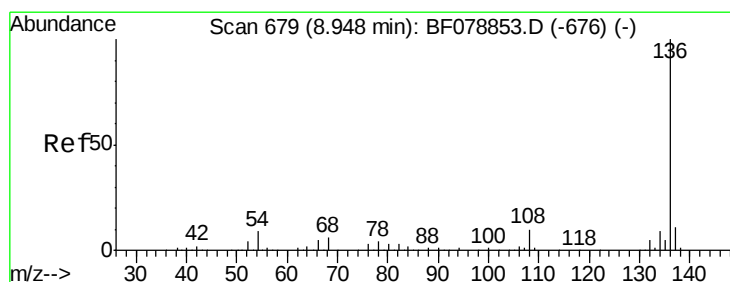
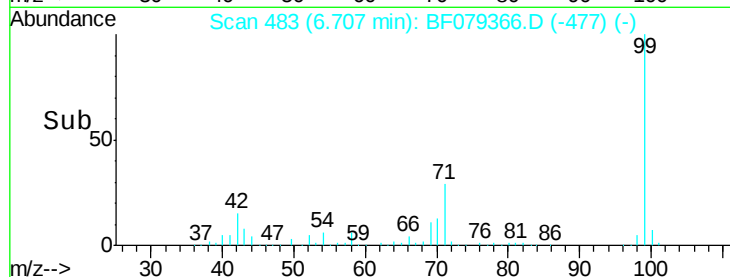
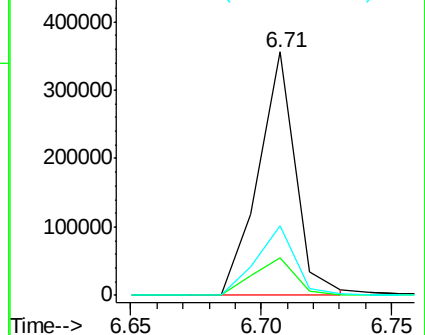
71 28.8 26.3 39.5



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: BF079366.D

Acq: 20 May 2015 4:58

Tgt Ion: 136 Resp: 188935

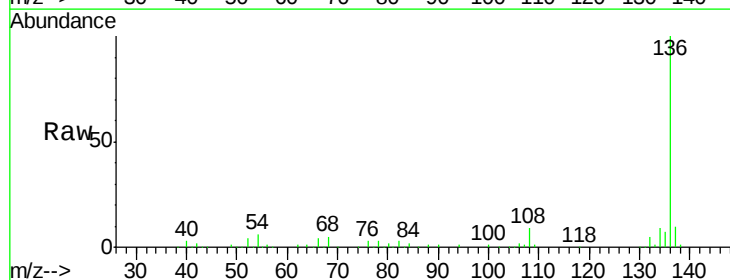
Ion Ratio Lower Upper

136 100

137 10.4 8.8 13.2

54 6.2 6.9 10.3#

68 4.7 4.9 7.3#

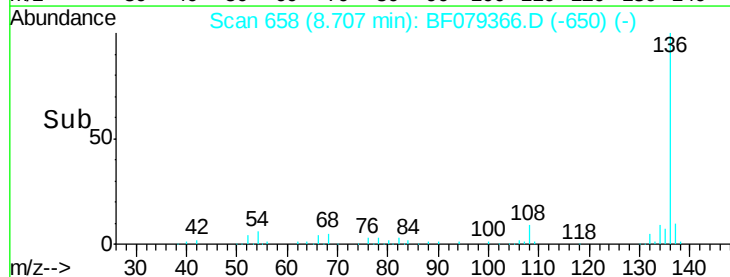
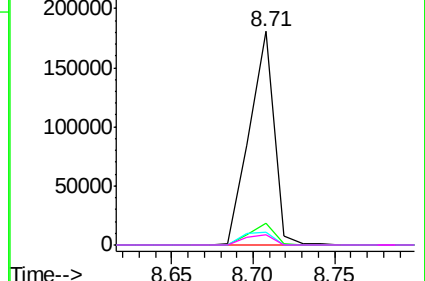


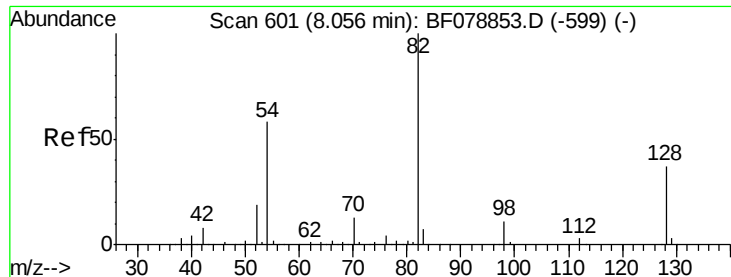
Abundance Ion 136.00 (135.70 to 136.70): E

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: 60.67 ng

RT: 7.83 min Scan# 581

Delta R.T. -0.00 min

Lab File: BF079366.D

Acq: 20 May 2015 4:58

Instrument :

BNA_F

ClientSampleId :

SB-03

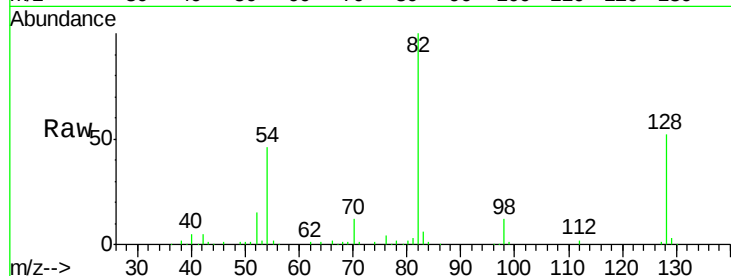
Tot Ion: 82 Resp: 199442

Ion Ratio Lower Upper

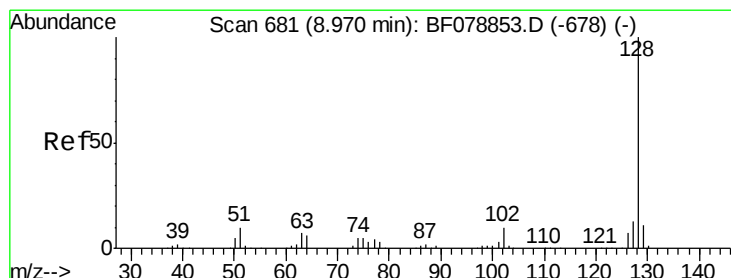
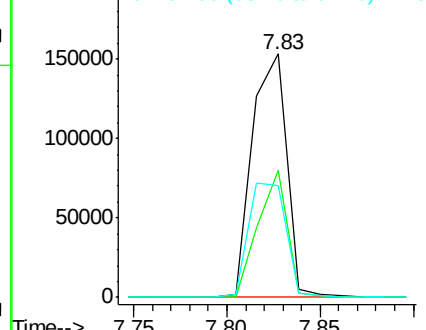
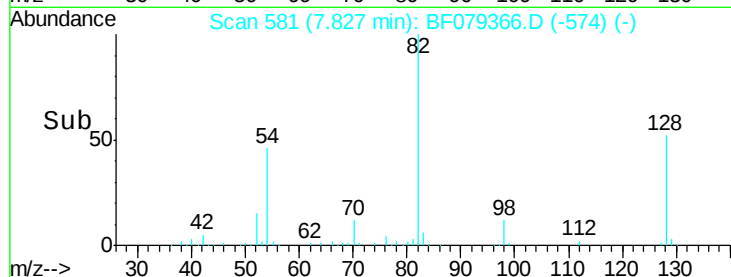
82 100

128 52.0 29.7 44.5#

54 45.9 46.2 69.4#



Abundance Ion 82.00 (81.70 to 82.70): BF079366.D (-574) (-)



#31

Naphthalene

Concen: 2.69 ng

RT: 8.73 min Scan# 660

Delta R.T. -0.00 min

Lab File: BF079366.D

Acq: 20 May 2015 4:58

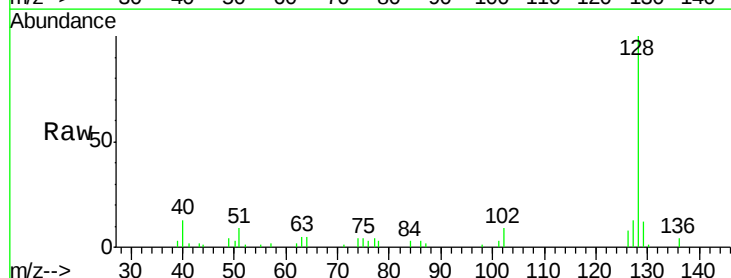
Tgt Ion: 128 Resp: 24213

Ion Ratio Lower Upper

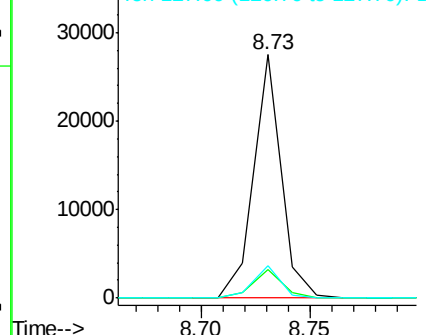
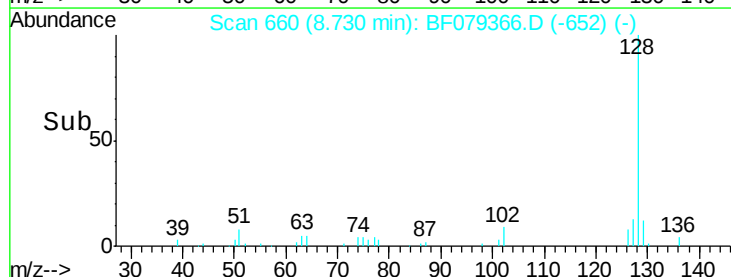
128 100

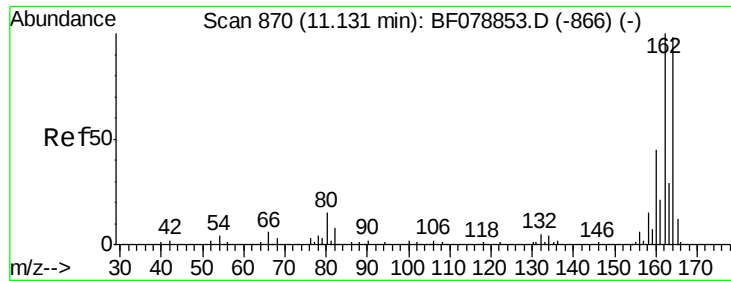
129 11.5 9.2 13.8

127 13.5 10.3 15.5



Abundance Ion 128.00 (127.70 to 128.70): BF079366.D (-652) (-)

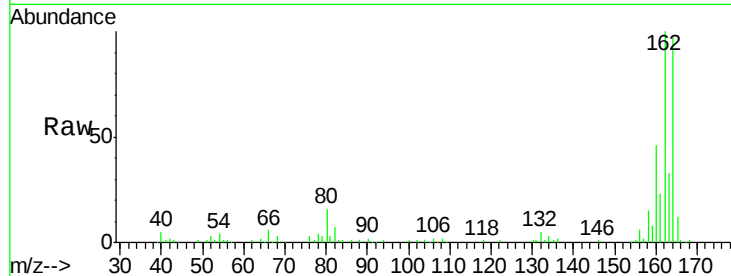




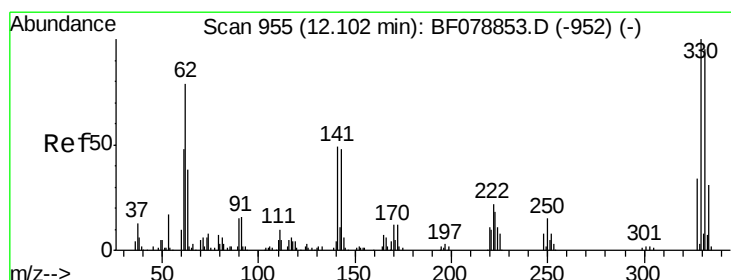
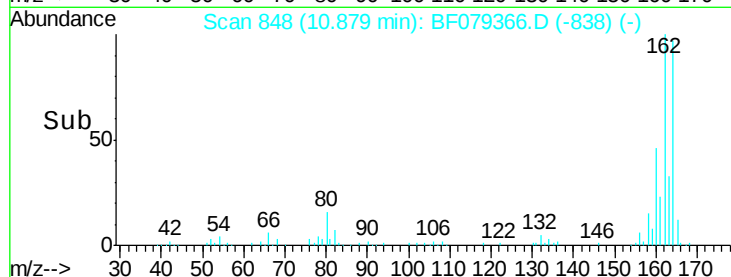
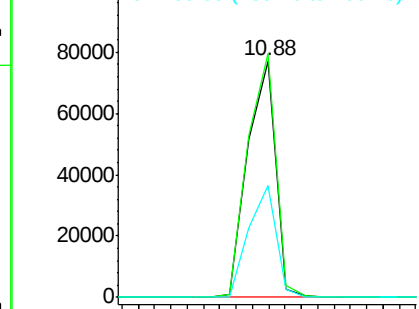
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.88 min Scan# 848
Delta R.T. -0.00 min
Lab File: BF079366.D
Acq: 20 May 2015 4:58

Instrument :
BNA_F
ClientSampled :
SB-03

Tot Ion:164 Resp: 90745
Ion Ratio Lower Upper
164 100
162 103.1 81.4 122.0
160 47.3 36.6 54.8

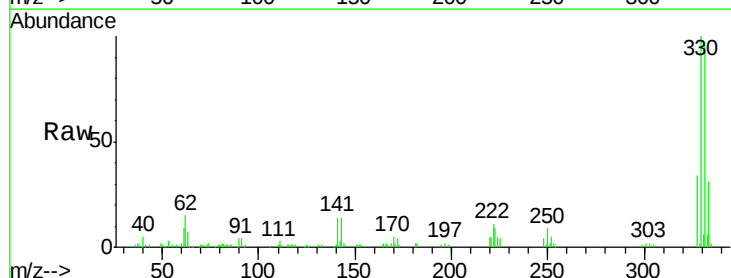


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

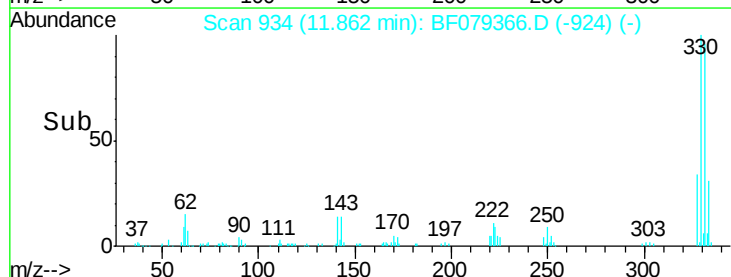
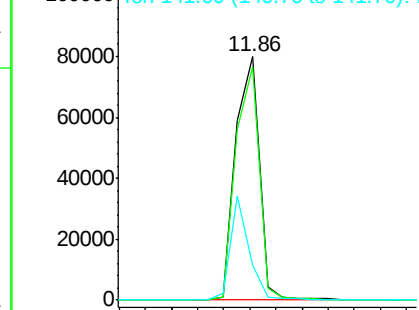


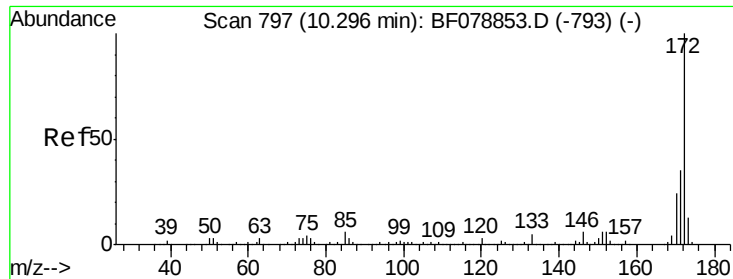
#41
2,4,6-Tribromophenol
Concen: 102.78 ng
RT: 11.86 min Scan# 934
Delta R.T. -0.00 min
Lab File: BF079366.D
Acq: 20 May 2015 4:58

Tgt Ion:330 Resp: 100897
Ion Ratio Lower Upper
330 100
332 95.2 76.9 115.3
141 33.8 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

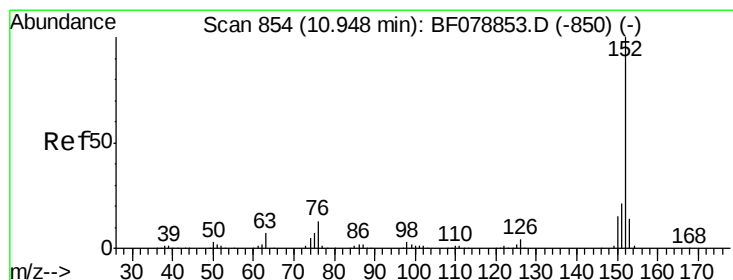
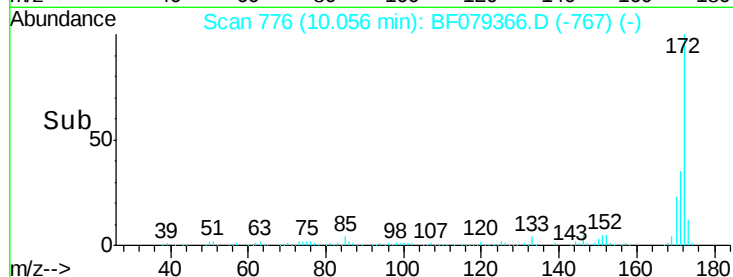
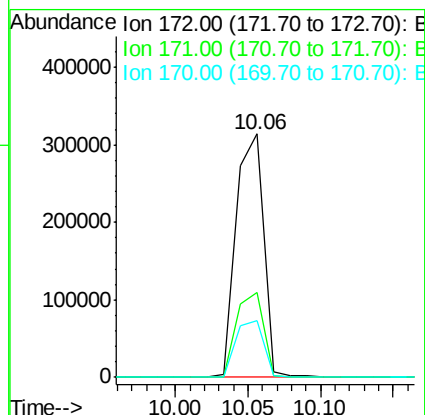
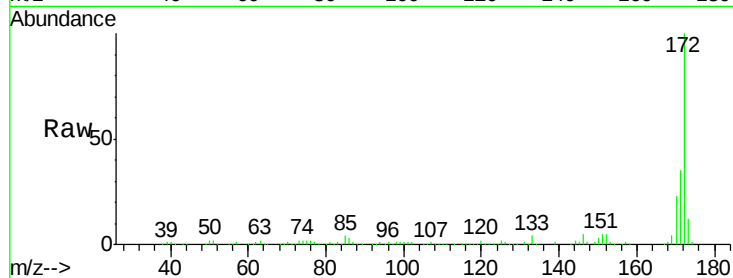




#44
2-Fluorobiphenyl
Concen: 63.61 ng
RT: 10.06 min Scan# 776
Delta R.T. -0.00 min
Lab File: BF079366.D
Acq: 20 May 2015 4:58

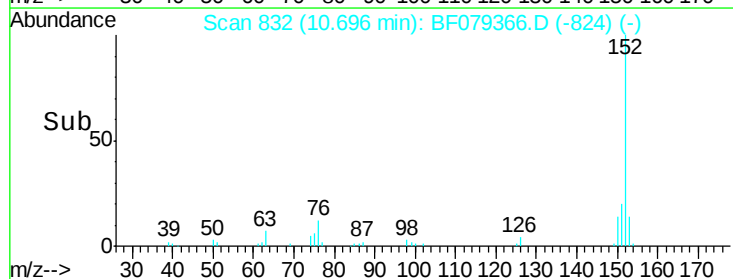
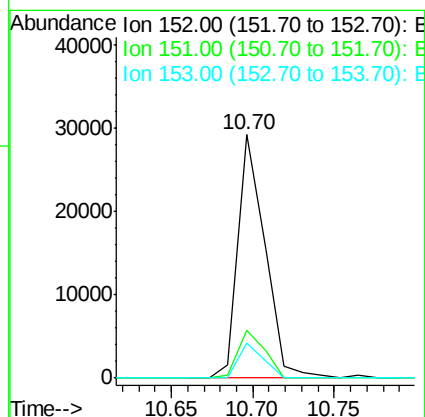
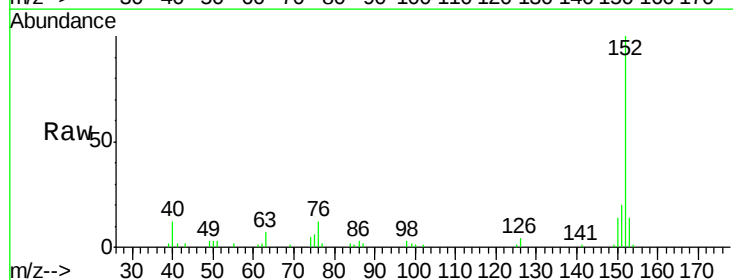
Instrument :
BNA_F
ClientSampleId :
SB-03

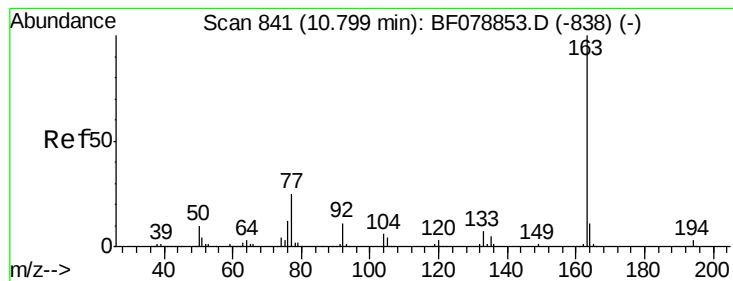
Tot Ion:172 Resp: 414320
Ion Ratio Lower Upper
172 100
171 34.8 28.3 42.5
170 23.2 19.4 29.2



#48
Acenaphthylene
Concen: 3.63 ng
RT: 10.70 min Scan# 832
Delta R.T. -0.01 min
Lab File: BF079366.D
Acq: 20 May 2015 4:58

Tgt Ion:152 Resp: 33552
Ion Ratio Lower Upper
152 100
151 19.7 16.6 24.8
153 14.5 11.0 16.6





#49

Dimethylphthalate

Concen: 4.24 ng

RT: 10.56 min Scan# 820

Delta R.T. -0.01 min

Lab File: BF079366.D

Acq: 20 May 2015 4:58

Instrument :

BNA_F

ClientSampleId :

SB-03

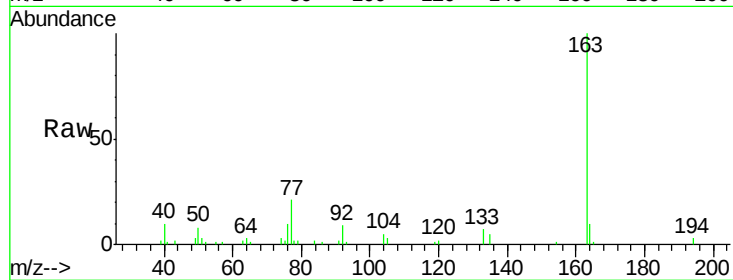
Tot Ion:163 Resp: 28264

Ion Ratio Lower Upper

163 100

194 3.3 2.4 3.6

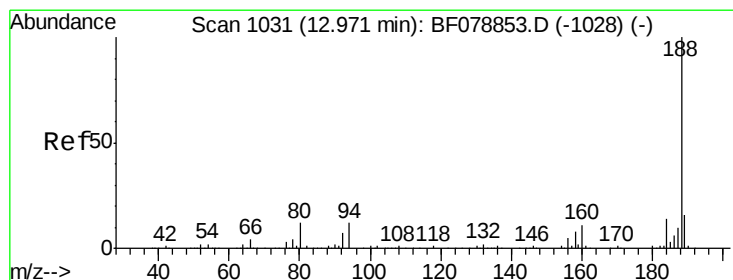
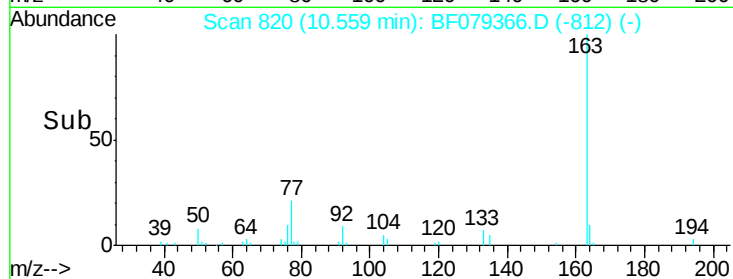
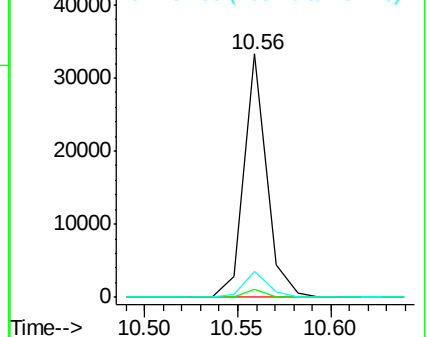
164 10.5 8.6 12.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.72 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BF079366.D

Acq: 20 May 2015 4:58

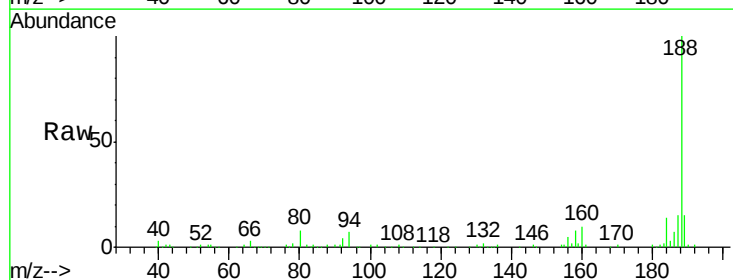
Tgt Ion:188 Resp: 175225

Ion Ratio Lower Upper

188 100

94 7.2 9.4 14.0#

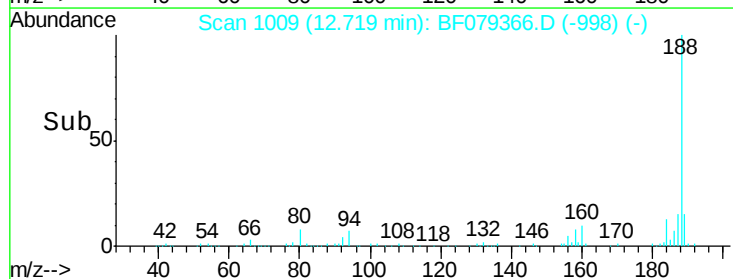
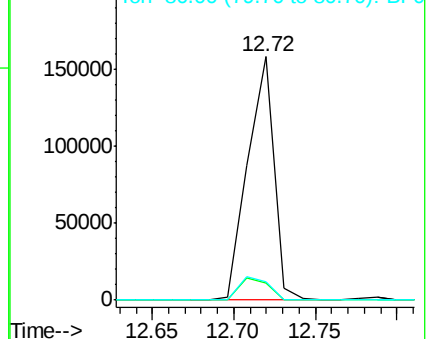
80 7.5 9.8 14.6#

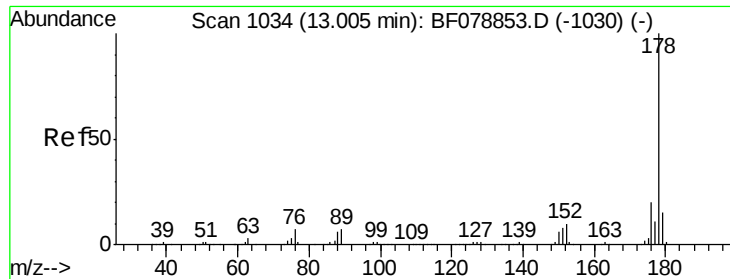


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

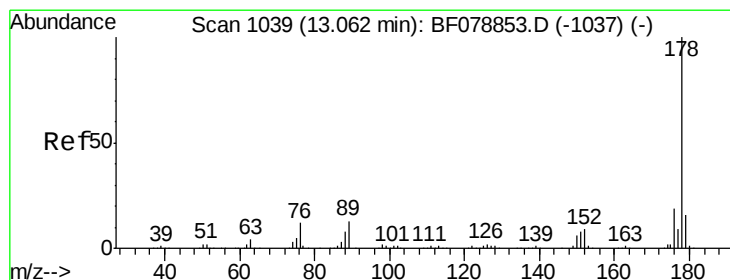
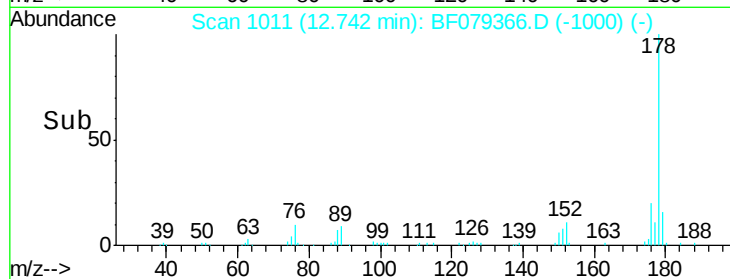
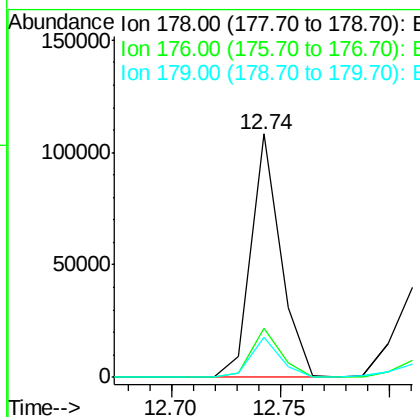
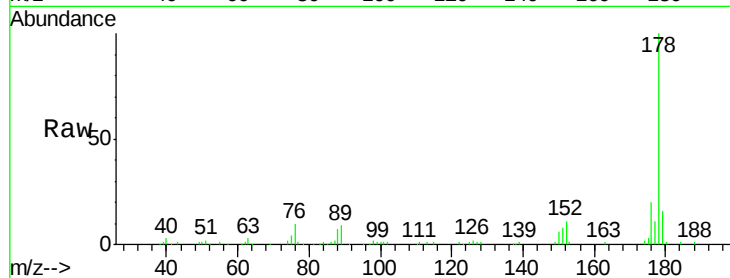




#70
Phenanthrene
Concen: 10.49 ng
RT: 12.74 min Scan# 1011
Delta R.T. -0.00 min
Lab File: BF079366.D
Acq: 20 May 2015 4:58

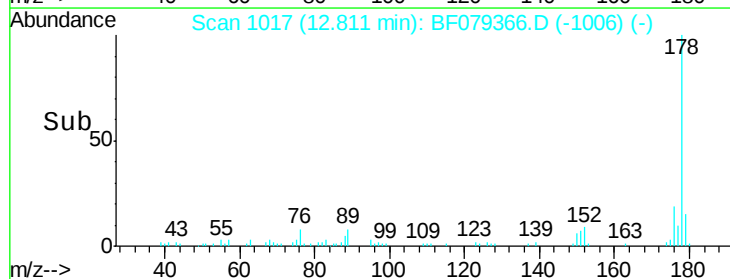
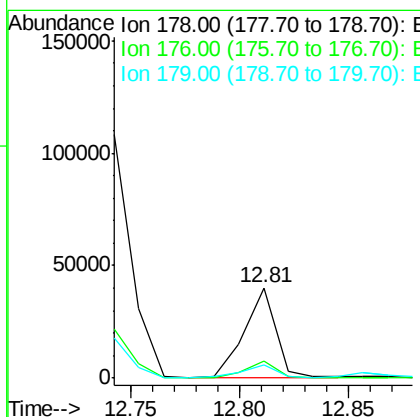
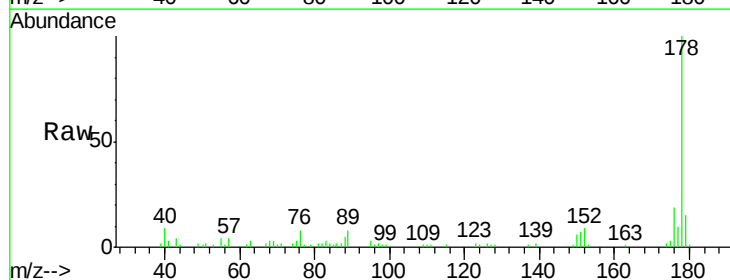
Instrument :
BNA_F
ClientSampleId :
SB-03

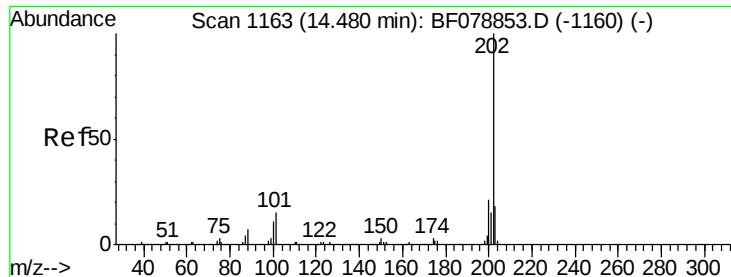
Tot Ion:178 Resp: 102789
Ion Ratio Lower Upper
178 100
176 20.1 15.9 23.9
179 16.2 12.2 18.4



#71
Anthracene
Concen: 4.13 ng
RT: 12.81 min Scan# 1017
Delta R.T. -0.00 min
Lab File: BF079366.D
Acq: 20 May 2015 4:58

Tgt Ion:178 Resp: 39673
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 14.8 12.6 19.0

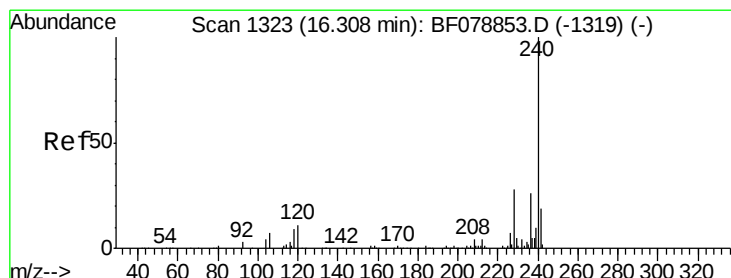
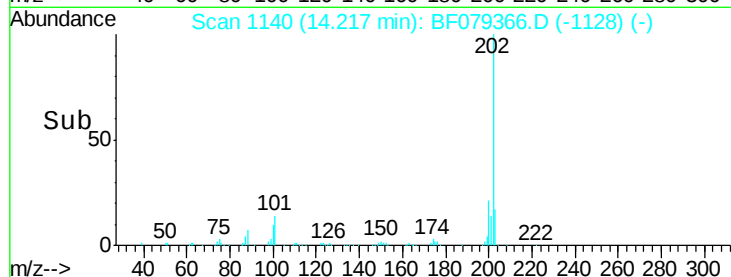
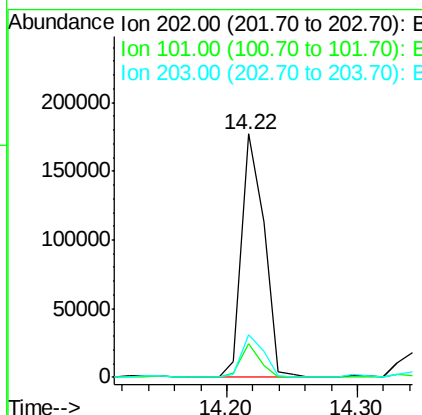
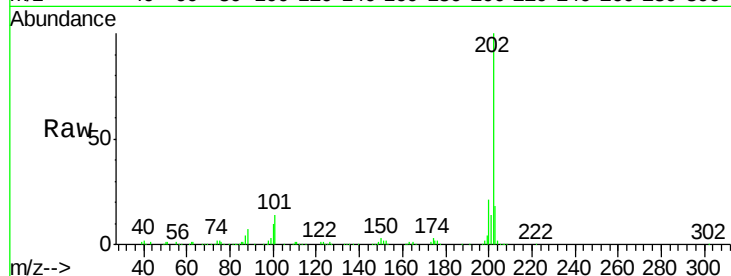




#74
Fluoranthene
Concen: 20.54 ng
RT: 14.22 min Scan# 1140
Delta R.T. -0.01 min
Lab File: BF079366.D
Acq: 20 May 2015 4:58

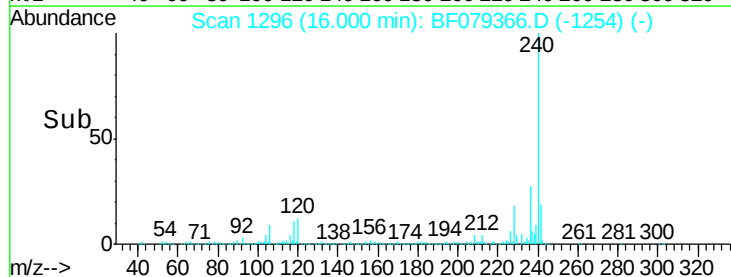
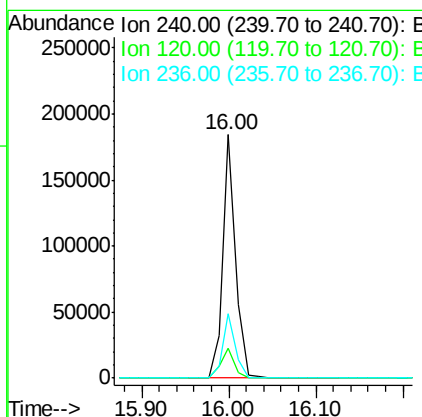
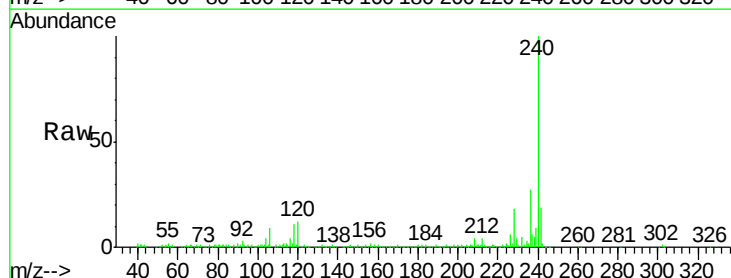
Instrument :
BNA_F
ClientSampleId :
SB-03

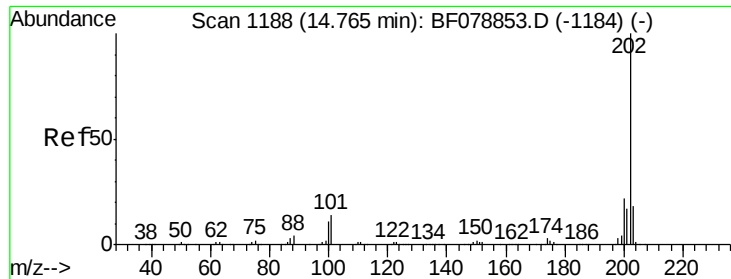
Tot Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	34.7
203	17.6	0.0	37.9



#75
Chrysene-d12
Concen: 20.00 ng
RT: 16.00 min Scan# 1296
Delta R.T. -0.02 min
Lab File: BF079366.D
Acq: 20 May 2015 4:58

Tgt Ion	Ratio	Lower	Upper
240	100		
120	12.4	8.6	12.8
236	26.7	21.0	31.6





#77

Pvrene

Concen: 19.24 ng

RT: 14.50 min Scan# 1165

Delta R.T. -0.00 min

Lab File: BF079366.D

Acq: 20 May 2015 4:58

Instrument :

BNA_F

ClientSampleId :

SB-03

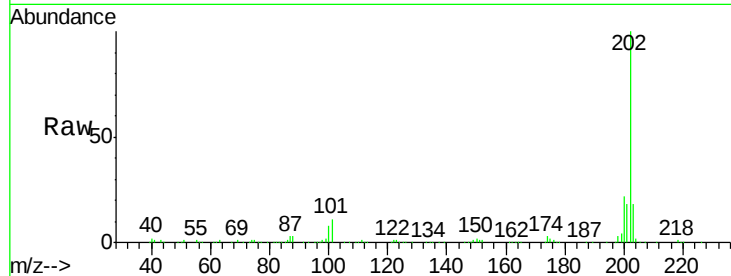
Tot Ion:202 Resp: 211841

Ion Ratio Lower Upper

202 100

200 22.1 17.5 26.3

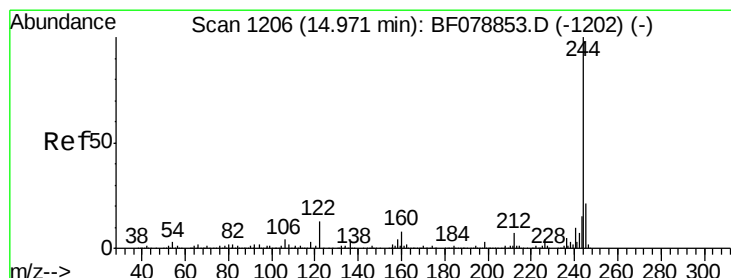
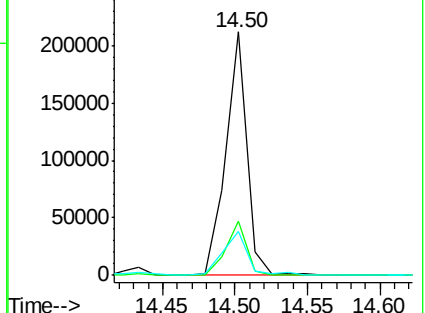
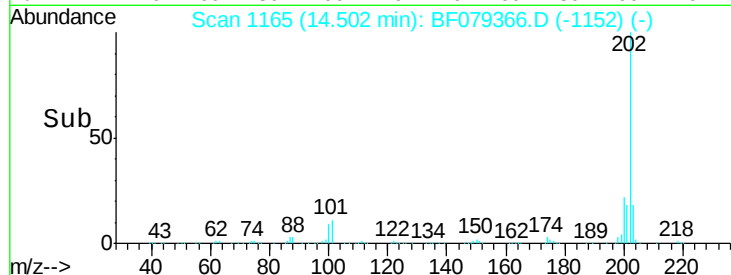
203 17.9 14.7 22.1



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: 59.05 ng

RT: 14.71 min Scan# 1183

Delta R.T. -0.01 min

Lab File: BF079366.D

Acq: 20 May 2015 4:58

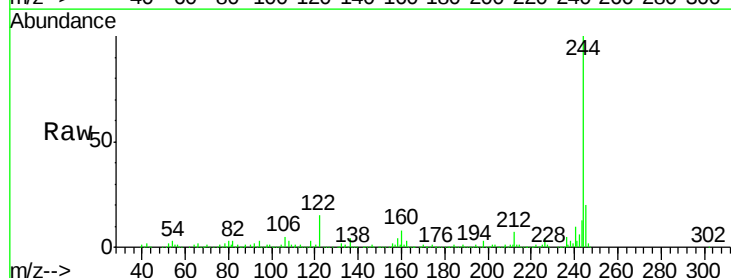
Tgt Ion:244 Resp: 471144

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

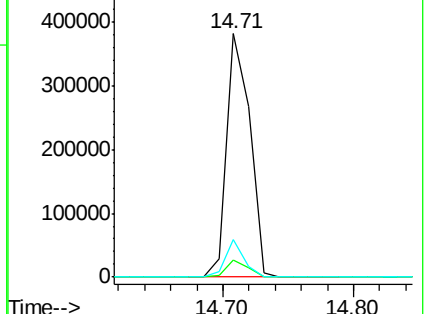
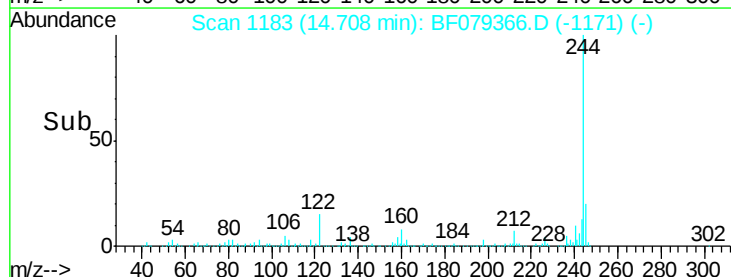
122 15.3 10.5 15.7

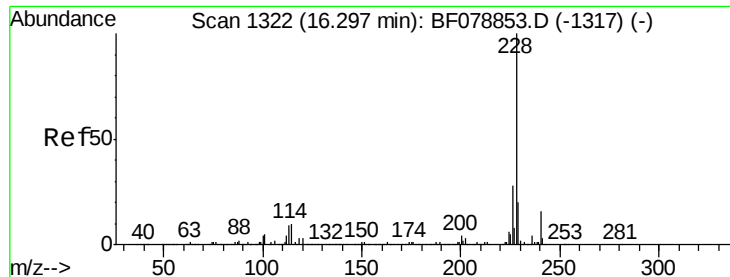


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 13.16 ng

RT: 15.99 min Scan# 1295

Delta R.T. -0.02 min

Lab File: BF079366.D

Acq: 20 May 2015 4:58

Instrument :

BNA_F

ClientSampleId :

SB-03

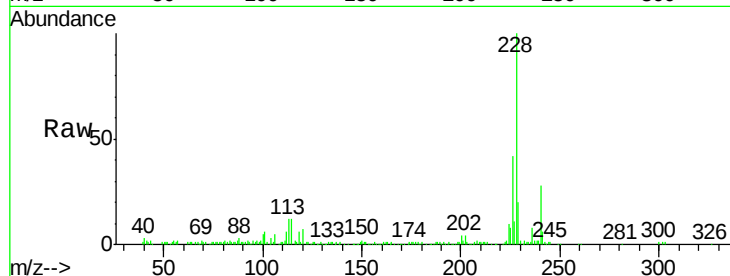
Tot Ion:228 Resp: 137682

Ion Ratio Lower Upper

228 100

226 42.2 22.3 33.5#

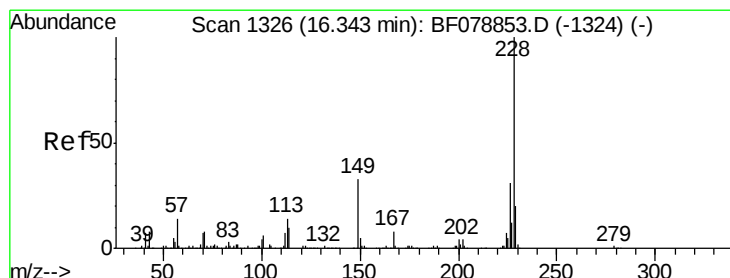
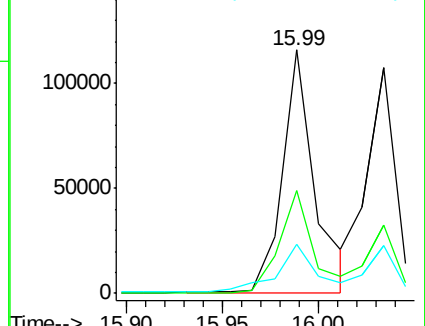
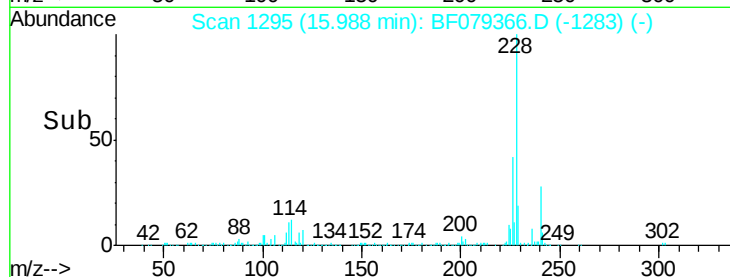
229 19.9 16.1 24.1



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: 11.08 ng

RT: 16.03 min Scan# 1299

Delta R.T. -0.02 min

Lab File: BF079366.D

Acq: 20 May 2015 4:58

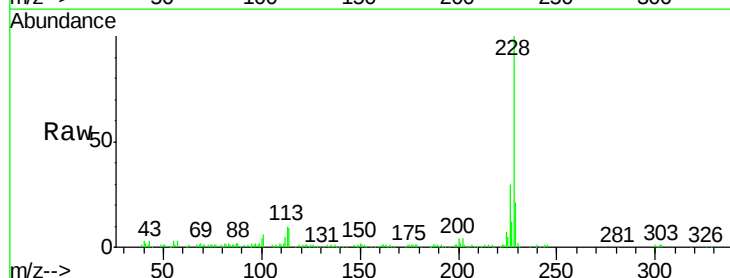
Tgt Ion:228 Resp: 111496

Ion Ratio Lower Upper

228 100

226 30.1 24.8 37.2

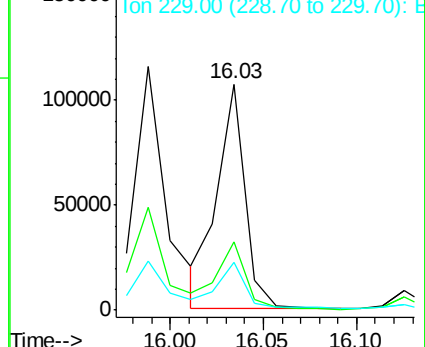
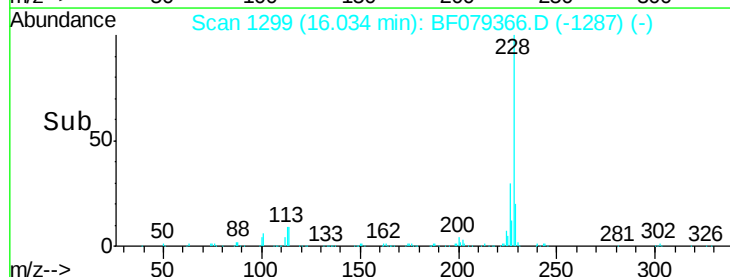
229 21.2 16.1 24.1

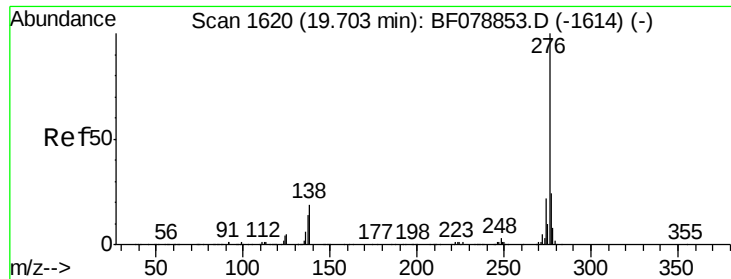


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

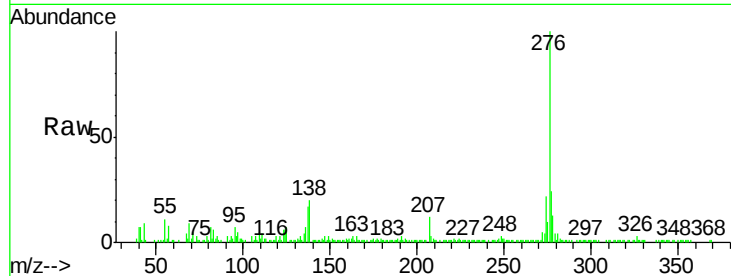




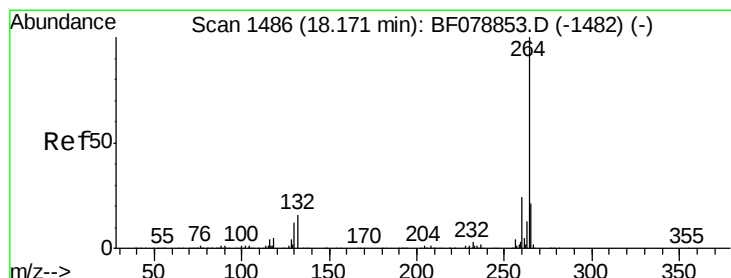
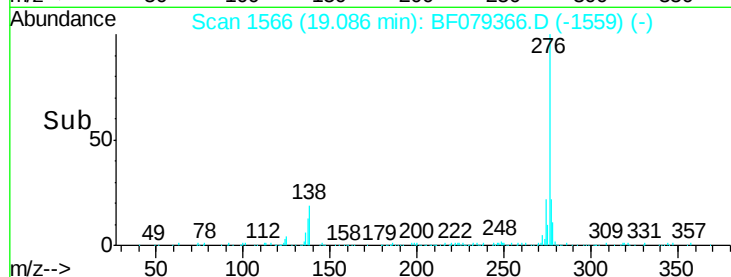
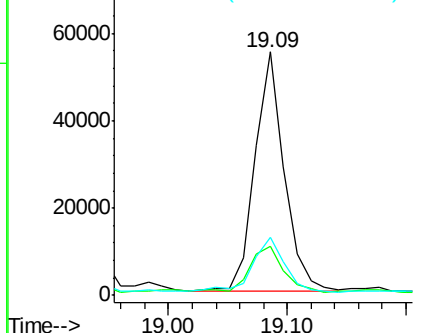
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.32 ng
 RT: 19.09 min Scan# 1566
 Delta R.T. -0.13 min
 Lab File: BF079366.D
 Acq: 20 May 2015 4:58

Instrument :
 BNA_F
 ClientSampleId :
 SB-03

Tot Ion:276	Resp:	93836
Ion Ratio	Lower	Upper
276	100	
138	21.5	21.1 31.7
277	25.2	19.9 29.9

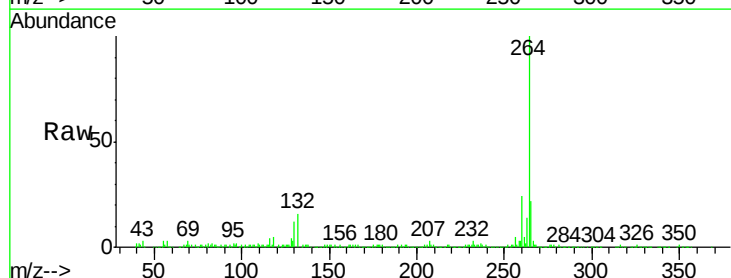


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

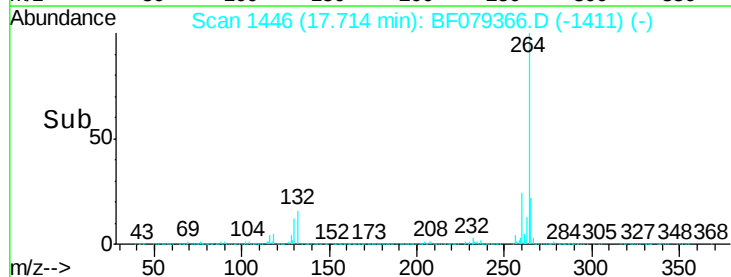
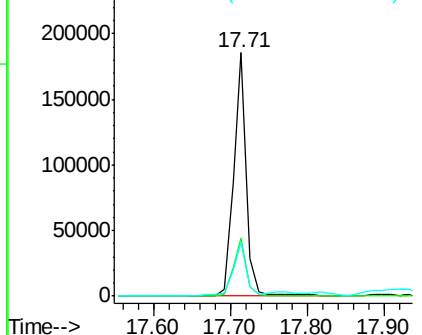


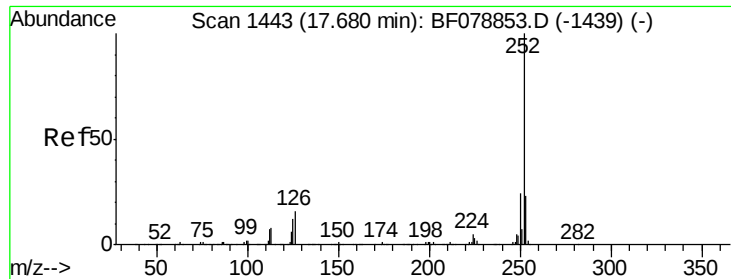
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.71 min Scan# 1446
 Delta R.T. -0.10 min
 Lab File: BF079366.D
 Acq: 20 May 2015 4:58

Tgt Ion:264	Resp:	218557
Ion Ratio	Lower	Upper
264	100	
260	24.1	19.2 28.8
265	22.3	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

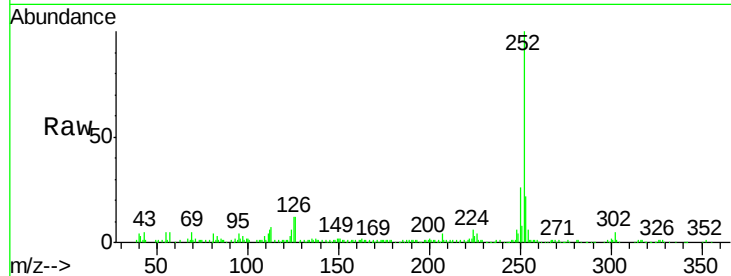




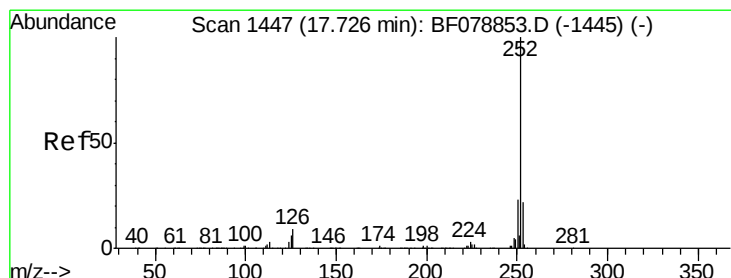
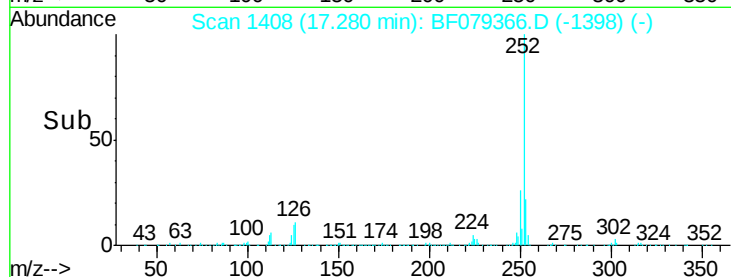
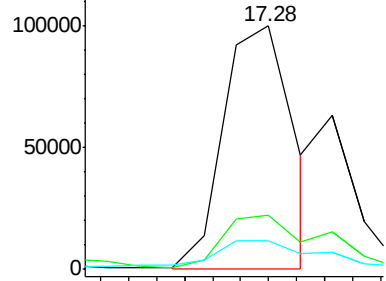
#87
Benzo(b)fluoranthene
Concen: 14.47 ng m
RT: 17.28 min Scan# 1408
Delta R.T. -0.07 min
Lab File: BF079366.D
Acq: 20 May 2015 4:58

Instrument :
BNA_F
ClientSampled :
SB-03

Tot Ion:252 Resp: 173124
Ion Ratio Lower Upper
252 100
253 22.5 18.1 27.1
125 11.5 9.4 14.2

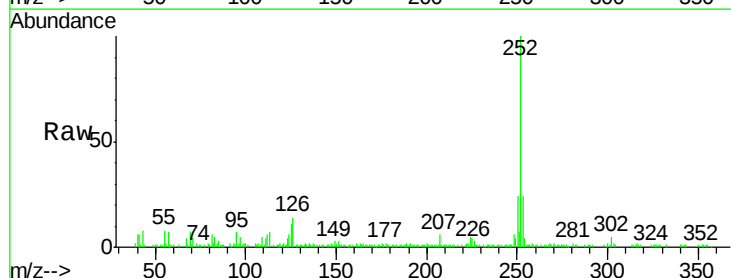


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

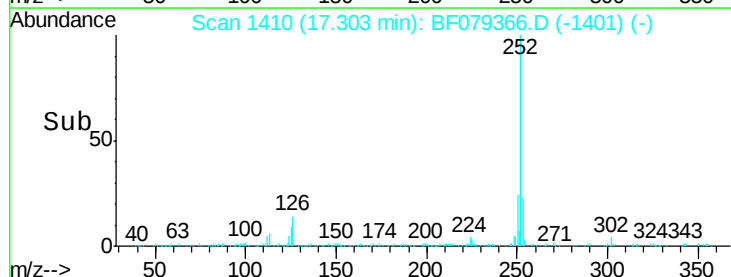
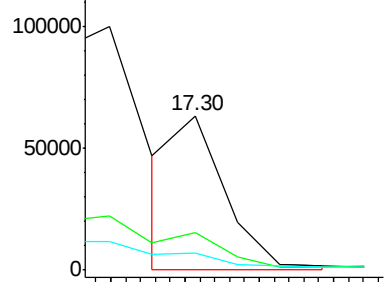


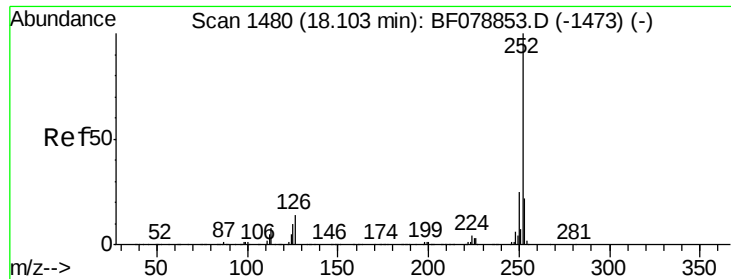
#88
Benzo(k)fluoranthene
Concen: 5.16 ng m
RT: 17.30 min Scan# 1410
Delta R.T. -0.08 min
Lab File: BF079366.D
Acq: 20 May 2015 4:58

Tgt Ion:252 Resp: 59701
Ion Ratio Lower Upper
252 100
253 24.4 17.4 26.0
125 10.8 6.1 9.1#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 11.78 ng

RT: 17.65 min Scan# 1440

Delta R.T. -0.10 min

Lab File: BF079366.D

Acq: 20 May 2015 4:58

Instrument :

BNA_F

ClientSampled :

SB-03

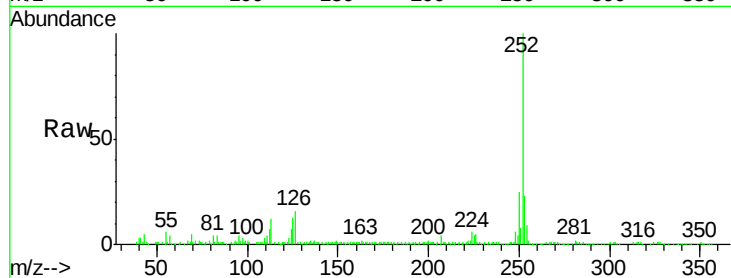
Tot Ion:252 Resp: 129760

Ion Ratio Lower Upper

252 100

253 22.8 18.0 27.0

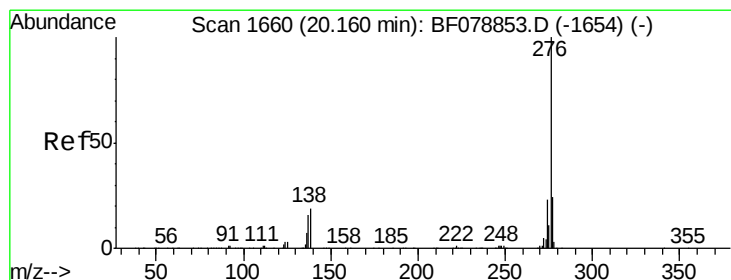
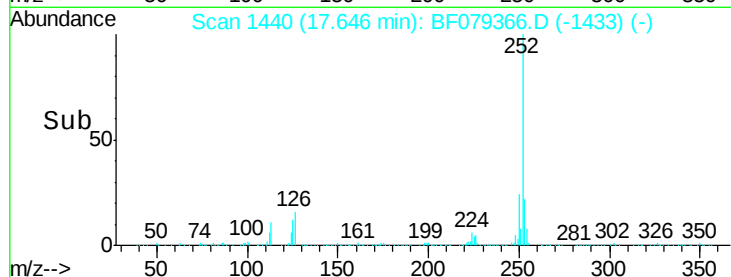
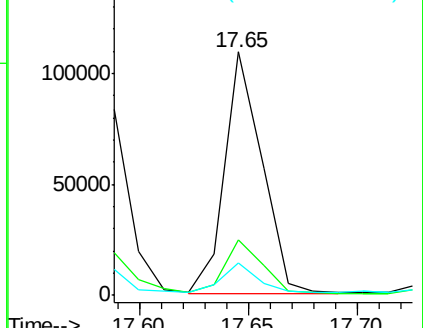
125 13.2 8.2 12.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 7.81 ng

RT: 19.50 min Scan# 1602

Delta R.T. -0.13 min

Lab File: BF079366.D

Acq: 20 May 2015 4:58

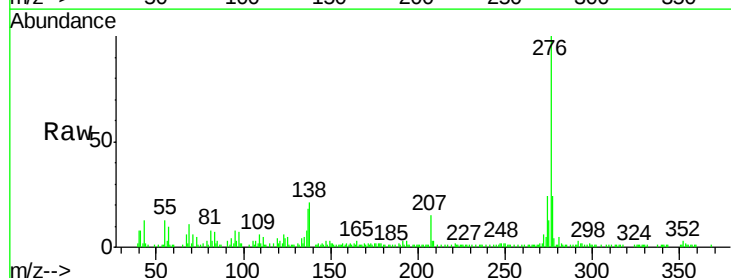
Tgt Ion:276 Resp: 91676

Ion Ratio Lower Upper

276 100

277 24.3 18.8 28.2

138 21.1 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

