

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 06:49:22 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

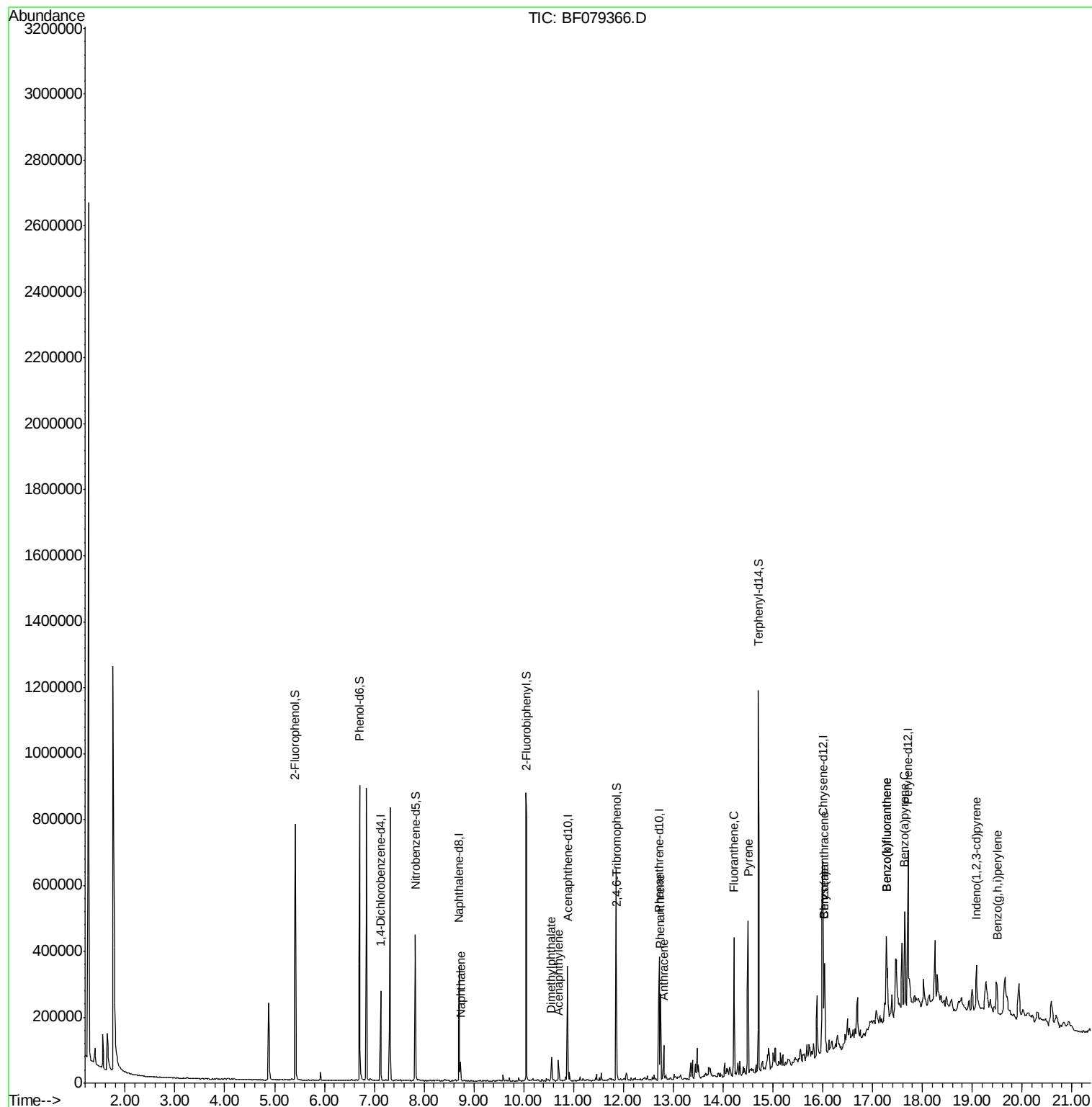
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.13	152	47193	20.00	ng	0.00
21) Naphthalene-d8	8.71	136	188935	20.00	ng	0.00
38) Acenaphthene-d10	10.88	164	90745	20.00	ng	0.00
63) Phenanthrene-d10	12.72	188	175225	20.00	ng	0.00
75) Chrysene-d12	16.00	240	191024	20.00	ng	-0.02
86) Perylene-d12	17.71	264	218557	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	254061	92.67	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	16.03	228	112137	10.72	ng	97
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	230959	19.31	ng	100
88) Benzo(k)fluoranthene	17.28	252	230959	19.94	ng	# 96
89) Benzo(a)pyrene	17.65	252	129760	11.78	ng	# 97
91) Benzo(g,h,i)perylene	19.50	276	91676	7.81	ng	97

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

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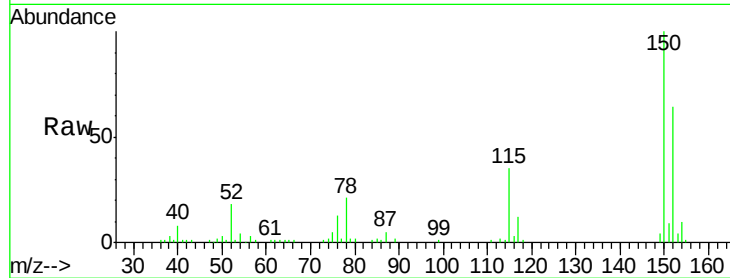




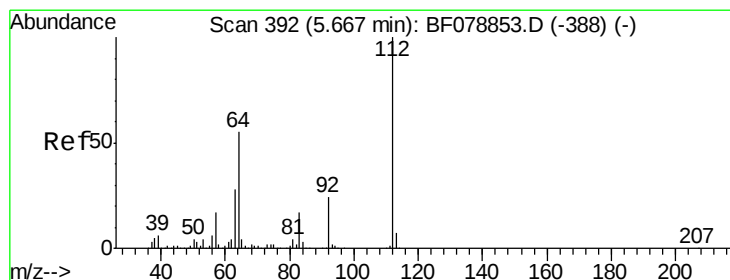
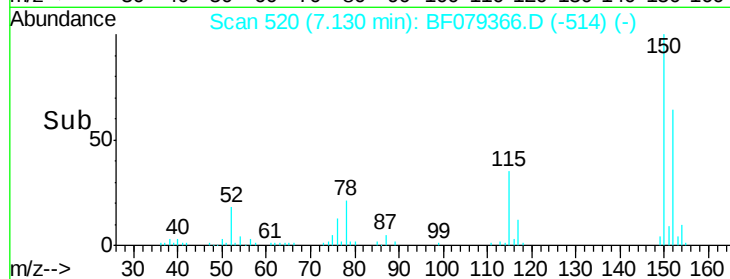
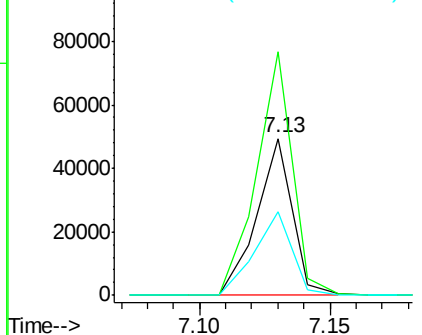
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.13 min Scan# 520
 Delta R.T. -0.00 min
 Lab File: BF079366.D
 Acq: 20 May 2015 4:58

Instrument :
 BNA_F
 ClientSampleId :
 SB-03

Tgt Ion:	152	Resp:	47193
Ion	Ratio	Lower	Upper
152	100		
150	155.3	123.8	185.8
115	53.7	49.4	74.0

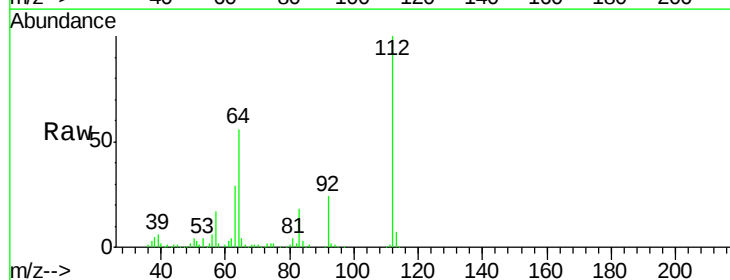


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

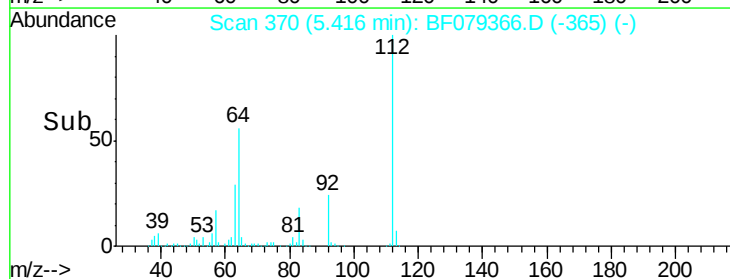
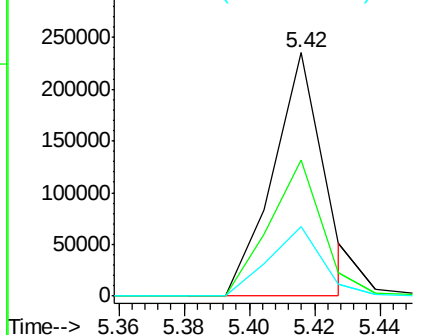


#5
 2-Fluorophenol
 Concen: 92.67 ng
 RT: 5.42 min Scan# 370
 Delta R.T. -0.00 min
 Lab File: BF079366.D
 Acq: 20 May 2015 4:58

Tgt Ion:	112	Resp:	254061
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

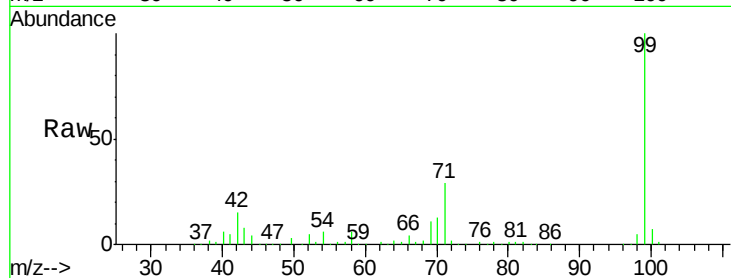
Tgt Ion: 99 Resp: 354447

Ion Ratio Lower Upper

99 100

42 15.3 17.1 25.7#

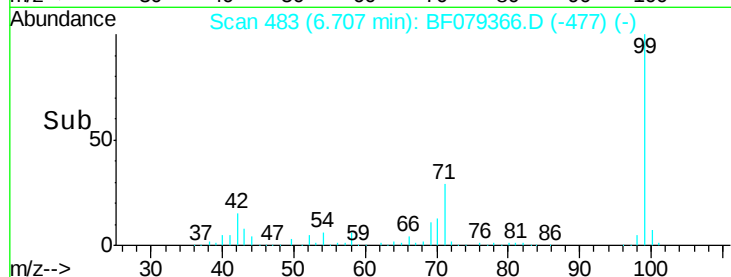
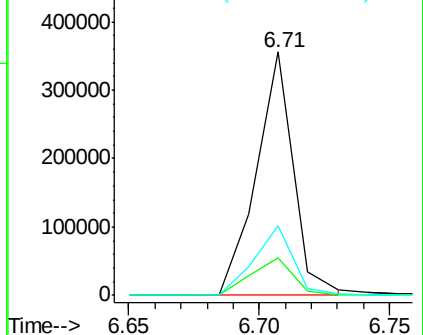
71 28.8 26.3 39.5



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

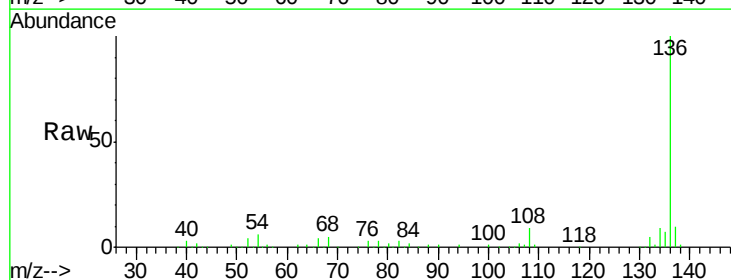
Ion Ratio Lower Upper

136 100

137 10.4 8.8 13.2

54 6.2 6.9 10.3#

68 4.7 4.9 7.3#

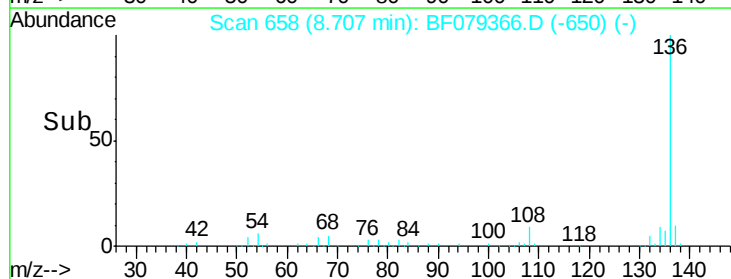
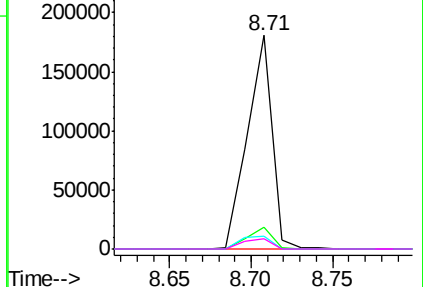


Abundance Ion 136.00 (135.70 to 136.70): E

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

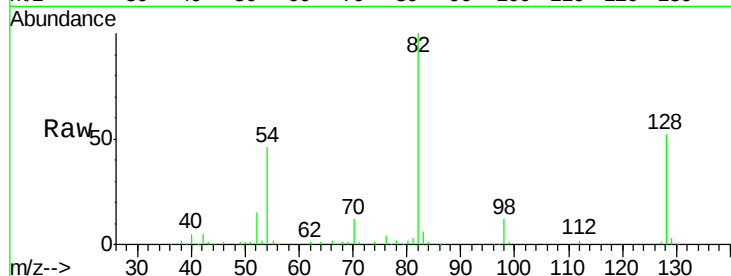
Tgt Ion: 82 Resp: 199442

Ion Ratio Lower Upper

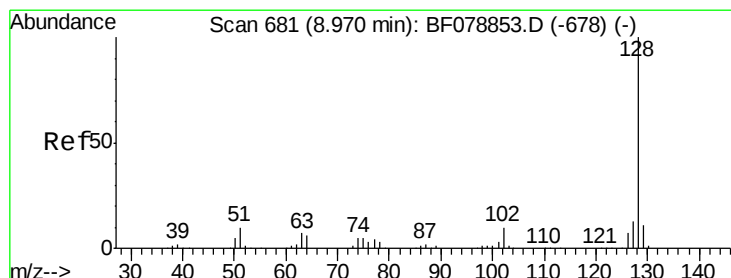
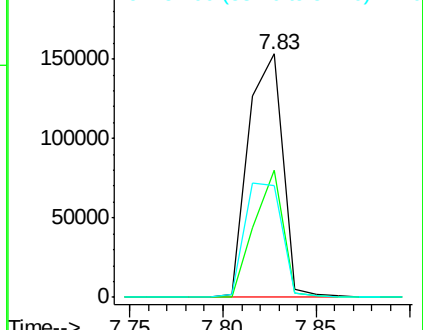
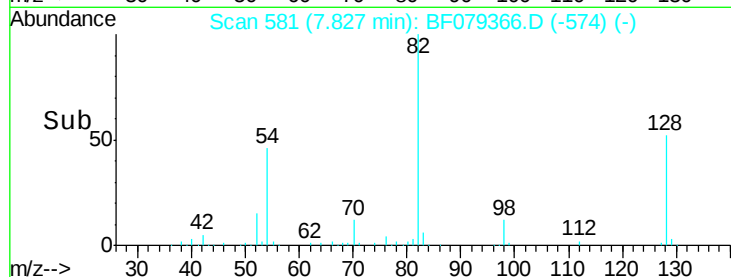
82 100

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

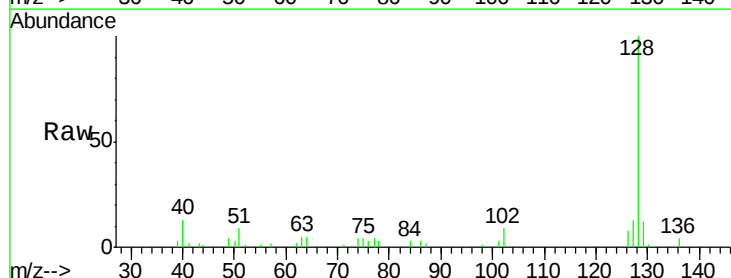
Tgt Ion: 128 Resp: 24213

Ion Ratio Lower Upper

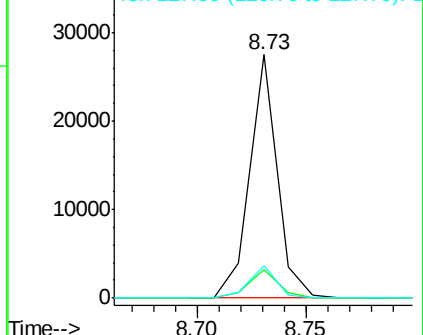
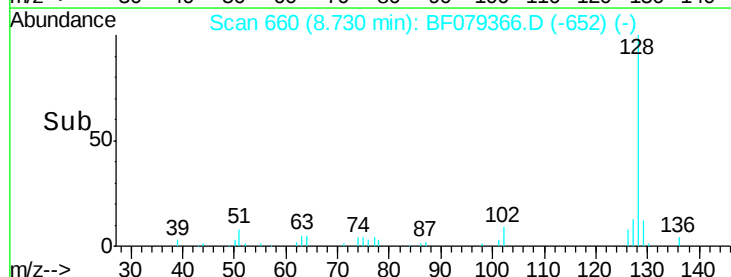
128 100

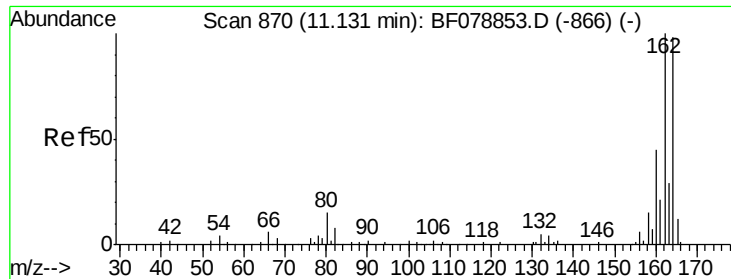
129 11.5 9.2 13.8

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

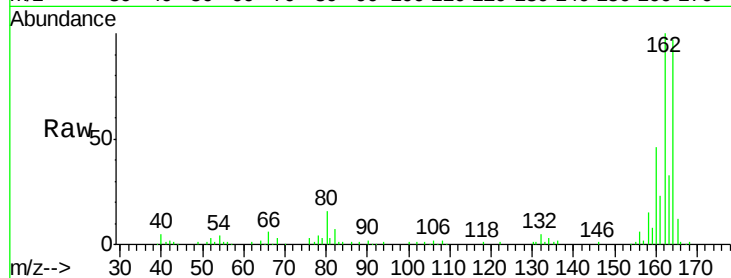
Tgt Ion:164 Resp: 90745

Ion Ratio Lower Upper

164 100

162 103.1 81.4 122.0

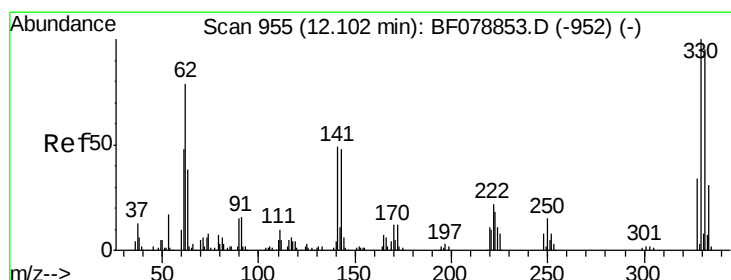
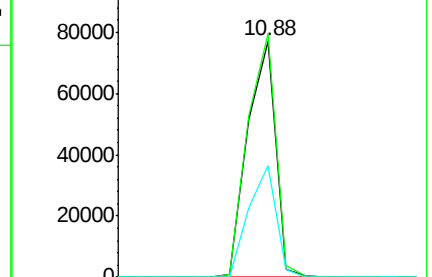
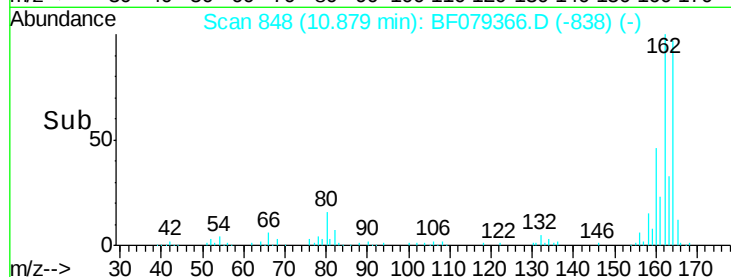
160 47.3 36.6 54.8



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

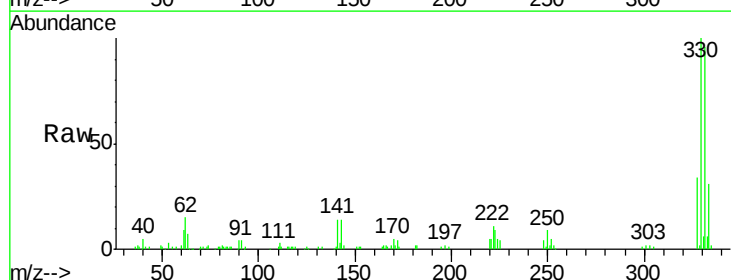
Tgt Ion:330 Resp: 100897

Ion Ratio Lower Upper

330 100

332 95.2 76.9 115.3

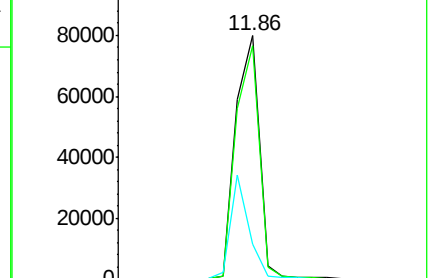
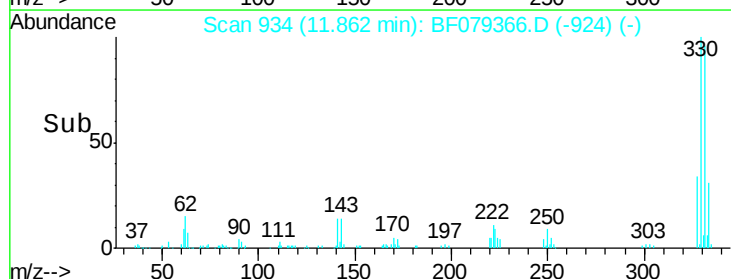
141 33.8 27.8 41.8



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

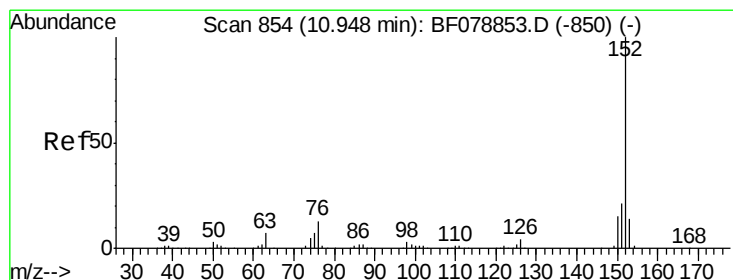
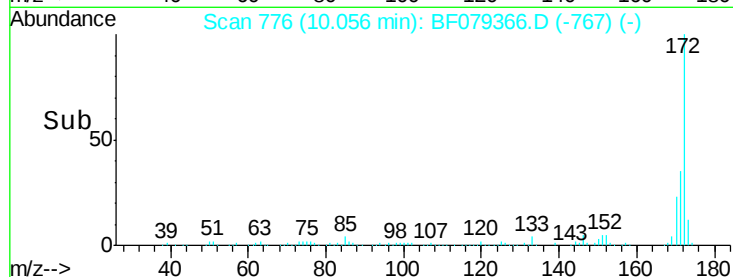
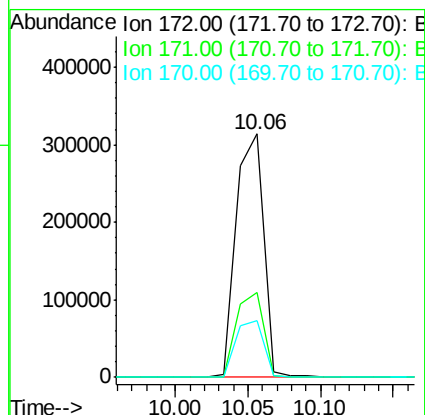
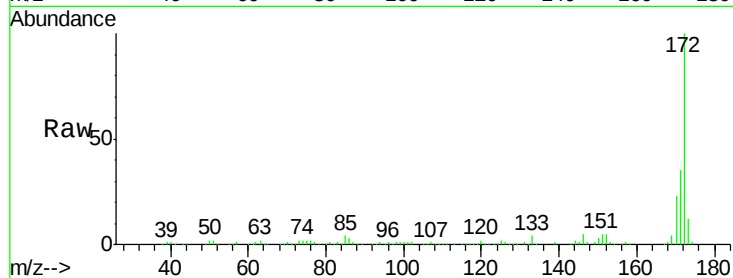




#44
 2-Fluorobiphenyl
 Concen: 63.61 ng
 RT: 10.06 min Scan# 776
 Delta R.T. -0.00 min
 Lab File: BF079366.D
 Acq: 20 May 2015 4:58

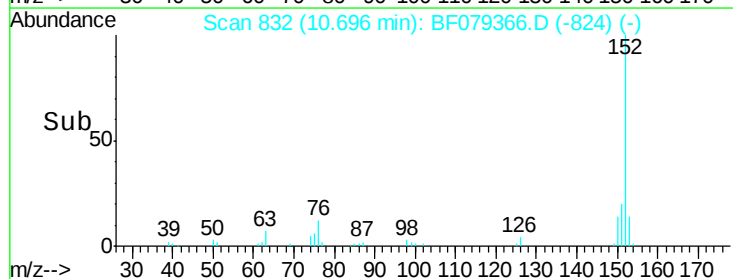
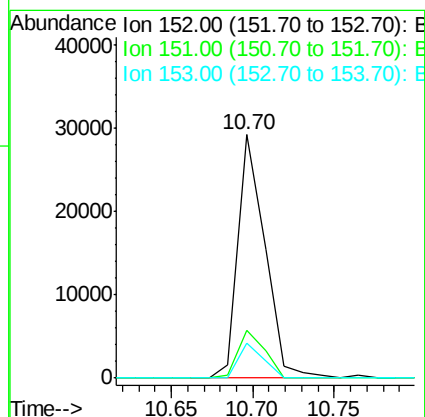
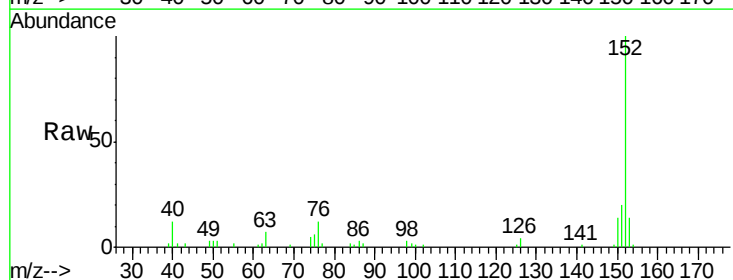
Instrument :
 BNA_F
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 SB-03

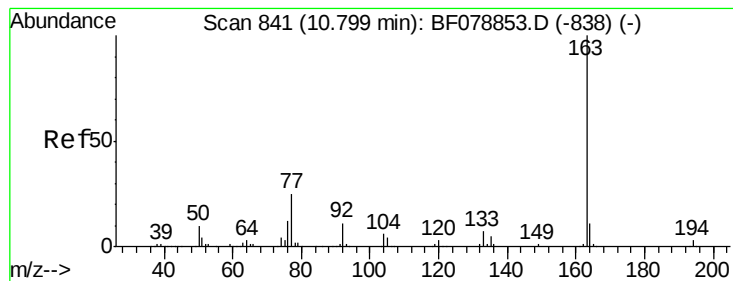
Tgt Ion:172 Resp: 414320
 Ion Ratio Lower Upper
 172 100
 171 34.8 28.3 42.5
 170 23.2 19.4 29.2



#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

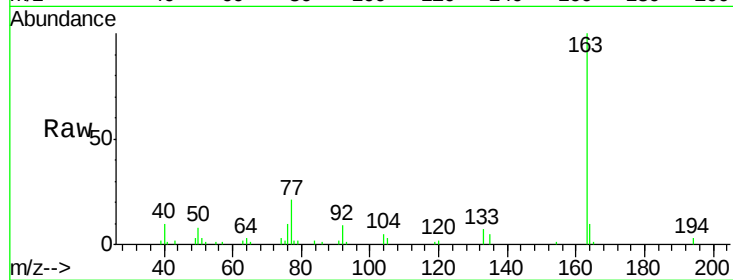
Tgt Ion:163 Resp: 28264

Ion Ratio Lower Upper

163 100

194 3.3 2.4 3.6

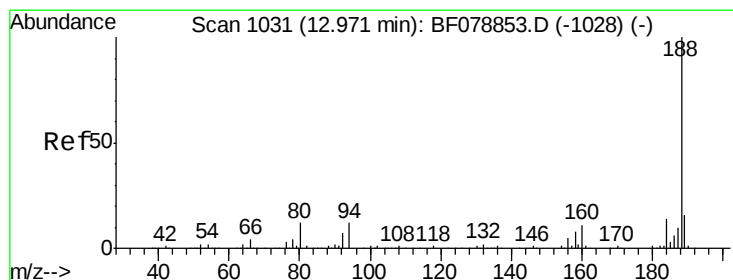
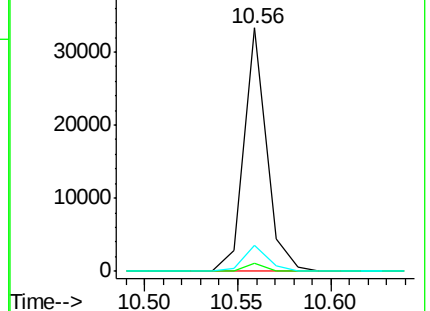
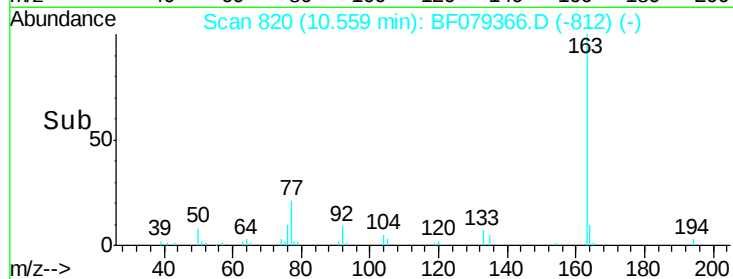
164 10.5 8.6 12.8



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

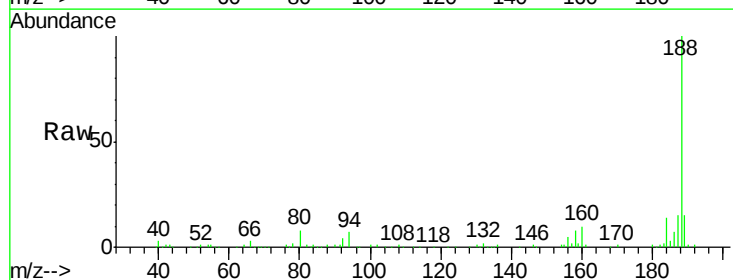
Tgt Ion:188 Resp: 175225

Ion Ratio Lower Upper

188 100

94 7.2 9.4 14.0#

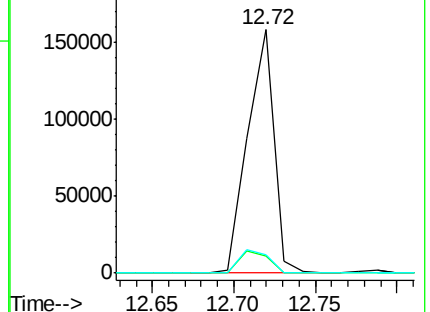
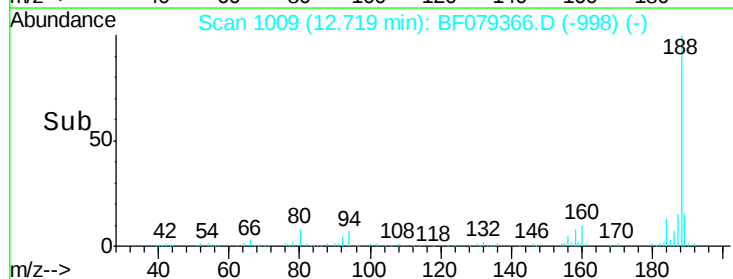
80 7.5 9.8 14.6#

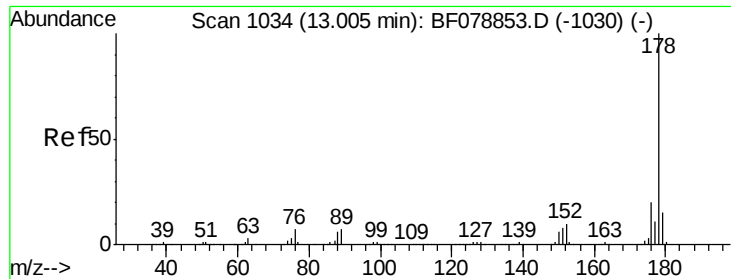


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

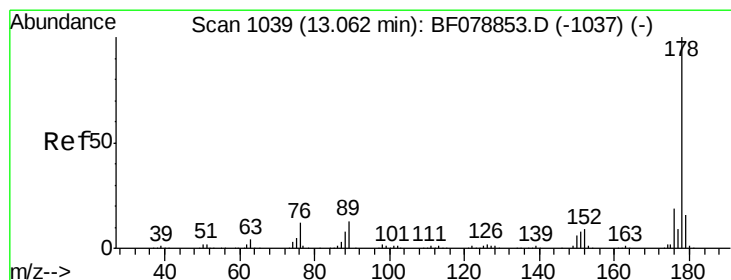
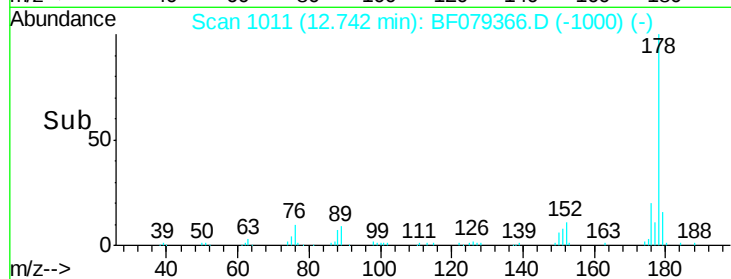
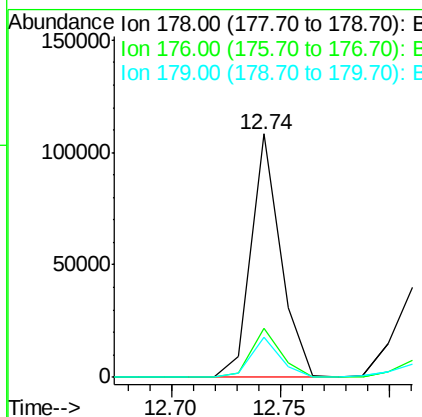
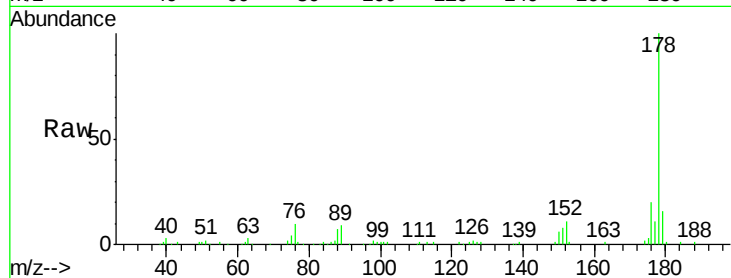




#70
Phenanthrene
Concen: 10.49 ng
RT: 12.74 min Scan# 1011
Delta R.T. -0.00 min
Lab File: BF079366.D
Acq: 20 May 2015 4:58

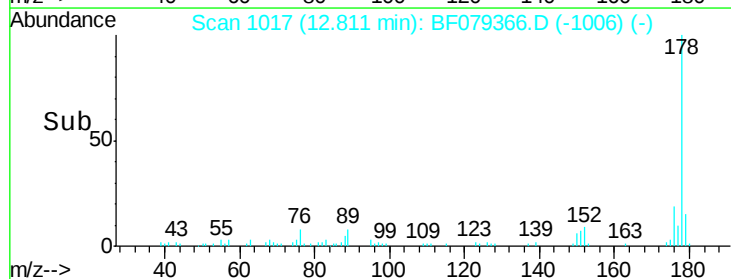
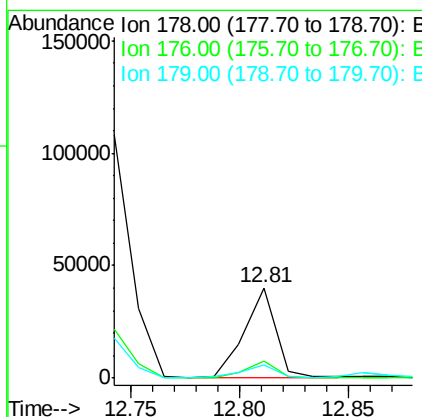
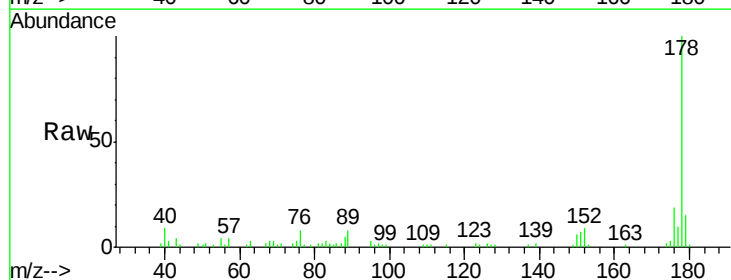
Instrument :
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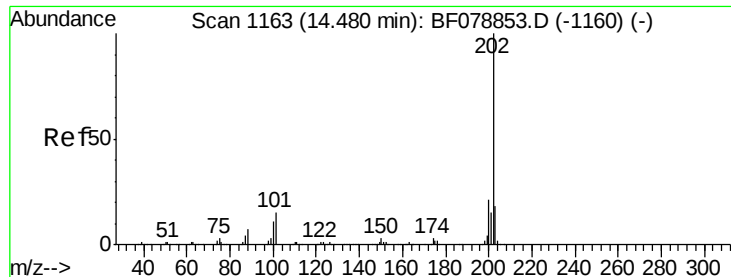
Tgt Ion:178 Resp: 102789
Ion Ratio Lower Upper
178 100
176 20.1 15.9 23.9
179 16.2 12.2 18.4



#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

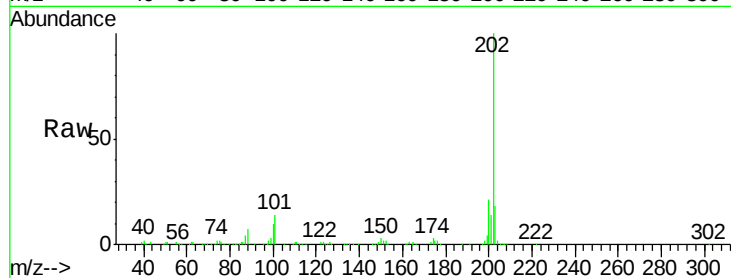
Tgt Ion:202 Resp: 209792

Ion Ratio Lower Upper

202 100

101 13.9 0.0 34.7

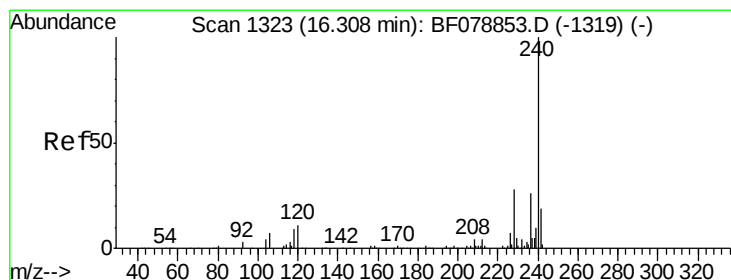
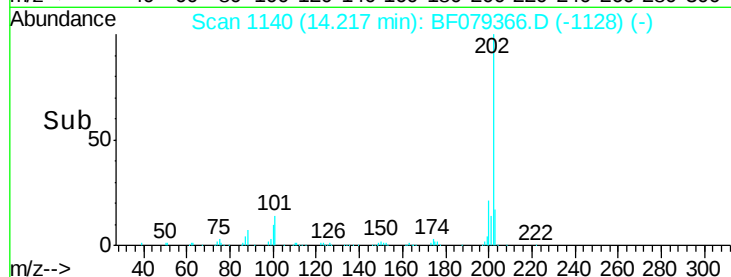
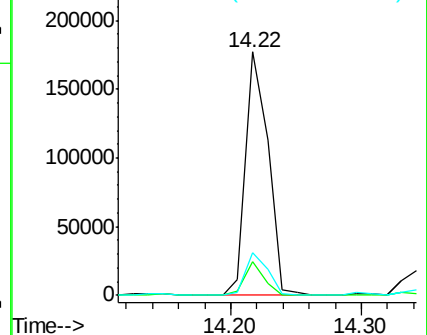
203 17.6 0.0 37.9



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: BF079366.D

Acq: 20 May 2015 4:58

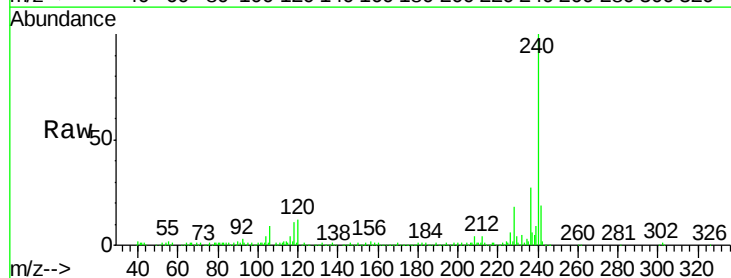
Tgt Ion:240 Resp: 191024

Ion Ratio Lower Upper

240 100

120 12.4 8.6 12.8

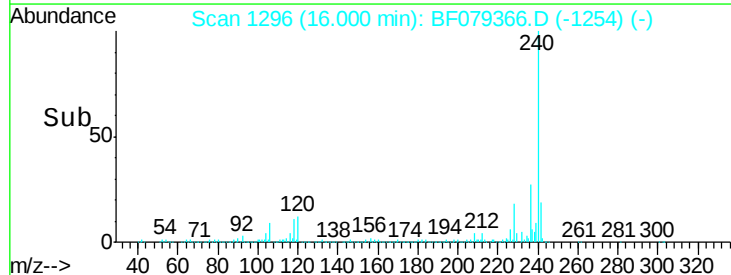
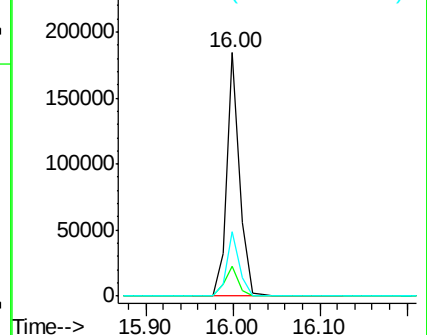
236 26.7 21.0 31.6

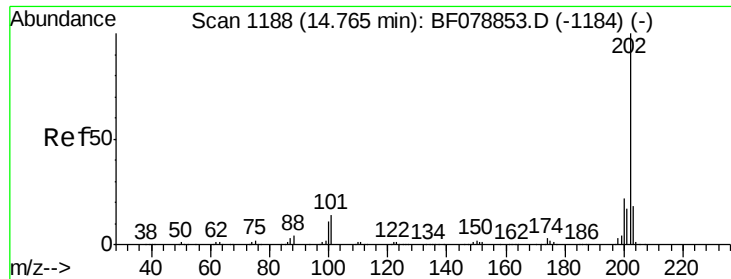


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 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

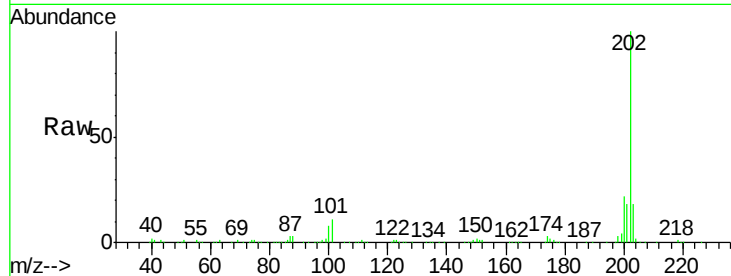
Tgt Ion: 202 Resp: 211841

Ion Ratio Lower Upper

202 100

200 22.1 17.5 26.3

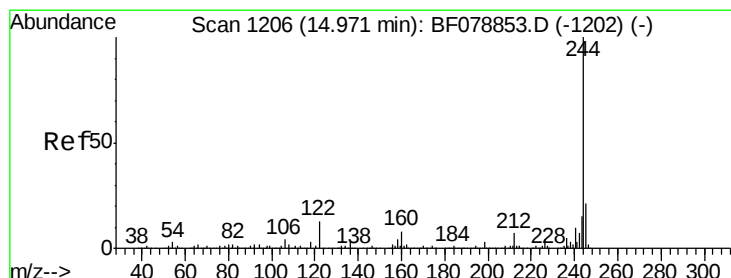
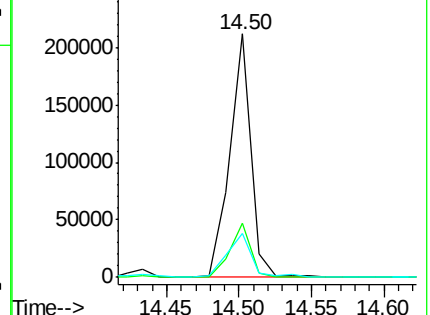
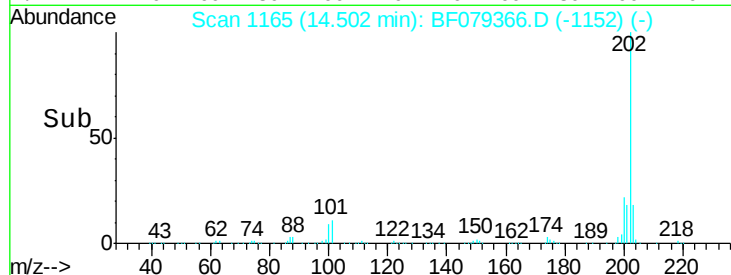
203 17.9 14.7 22.1



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

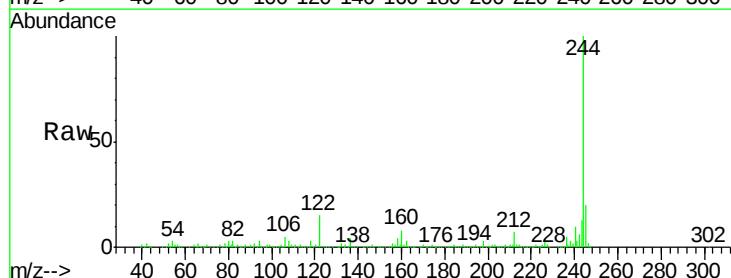
Tgt Ion: 244 Resp: 471144

Ion Ratio Lower Upper

244 100

212 7.1 5.6 8.4

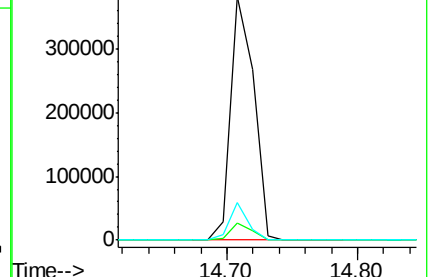
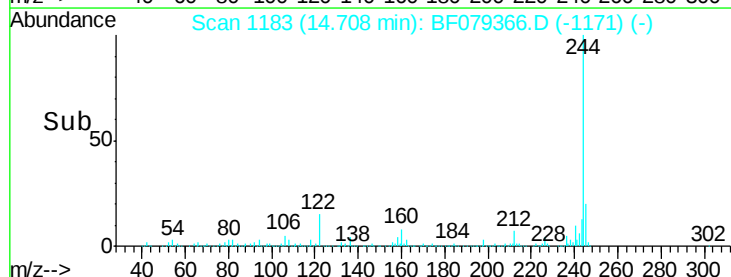
122 15.3 10.5 15.7

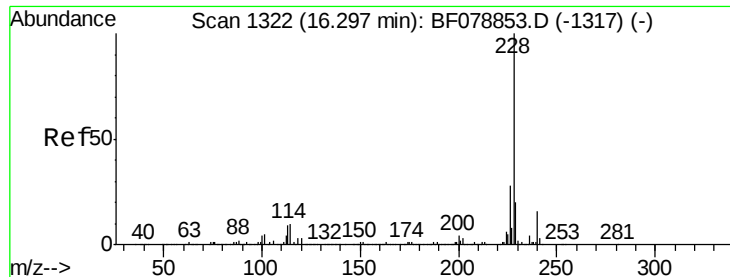


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 10.72 ng

RT: 16.03 min Scan# 1299

Delta R.T. 0.02 min

Lab File: BF079366.D

Acq: 20 May 2015 4:58

Instrument :

BNA_F

ClientSampleId :

SB-03

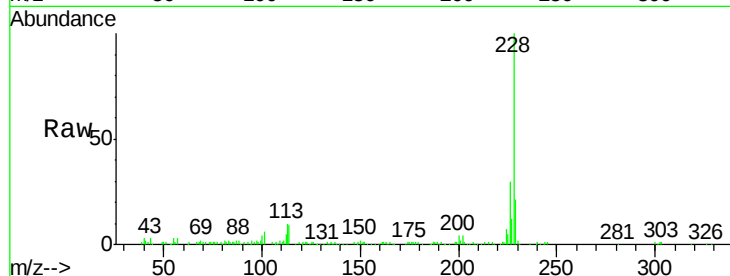
Tgt Ion:228 Resp: 112137

Ion Ratio Lower Upper

228 100

226 30.1 22.3 33.5

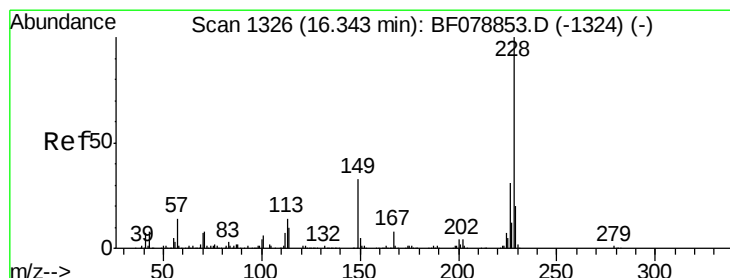
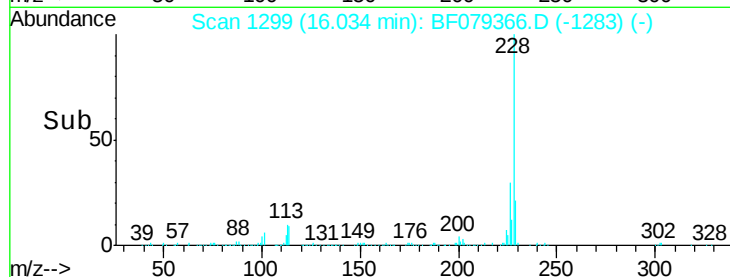
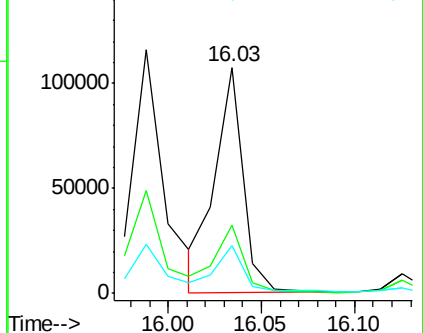
229 21.2 16.1 24.1



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



#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

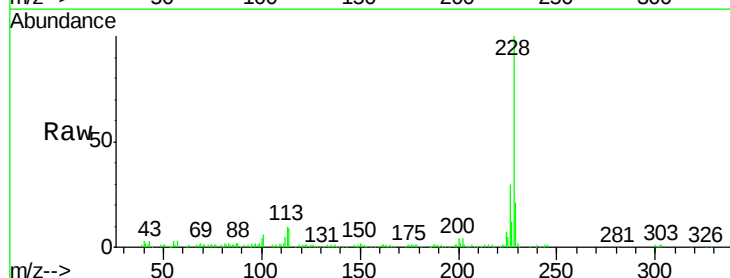
Tgt Ion:228 Resp: 111496

Ion Ratio Lower Upper

228 100

226 30.1 24.8 37.2

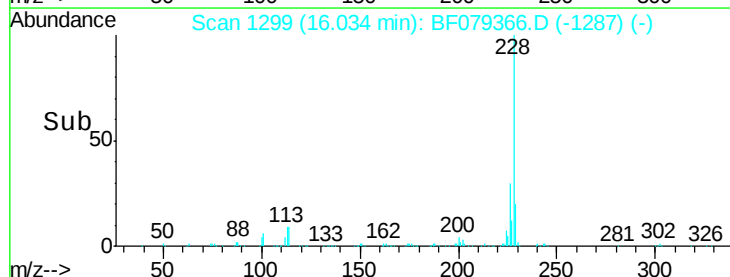
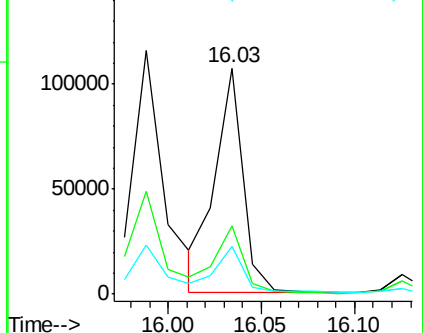
229 21.2 16.1 24.1

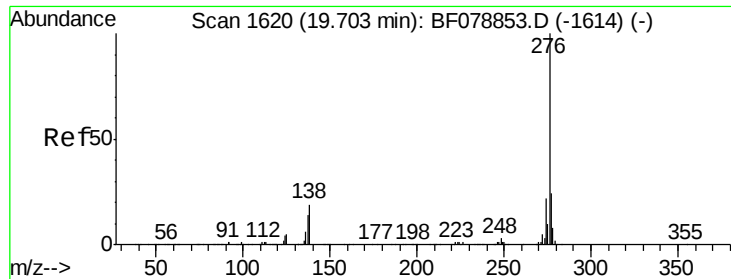


Abundance Ion 228.00 (227.70 to 228.70): E

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

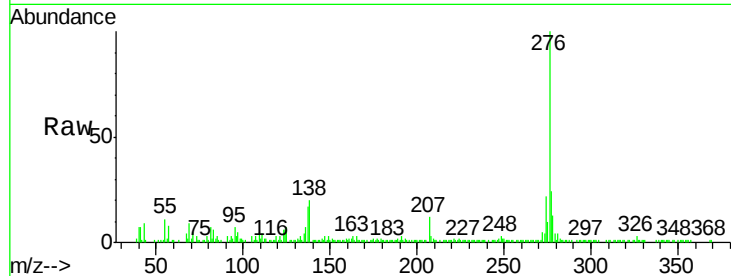
Tgt Ion: 276 Resp: 93836

Ion Ratio Lower Upper

276 100

138 21.5 21.1 31.7

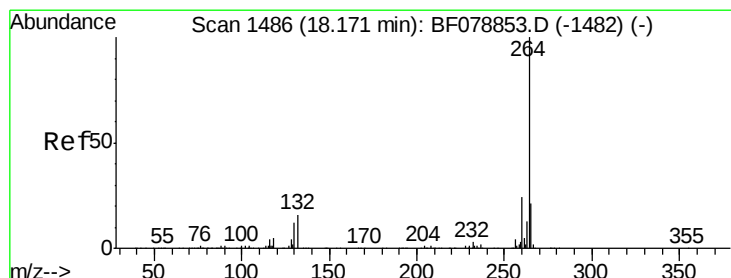
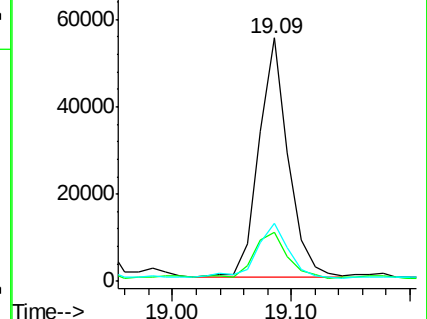
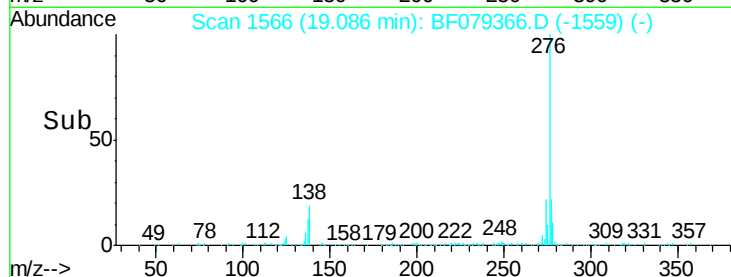
277 25.2 19.9 29.9



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

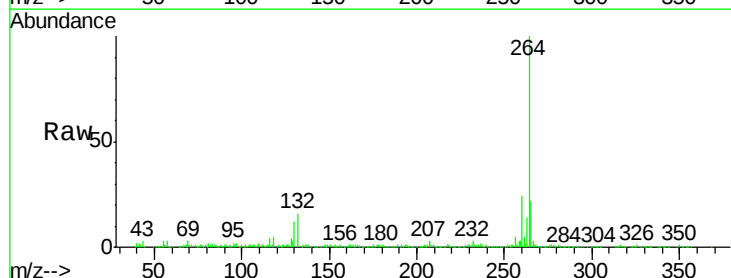
Tgt Ion: 264 Resp: 218557

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

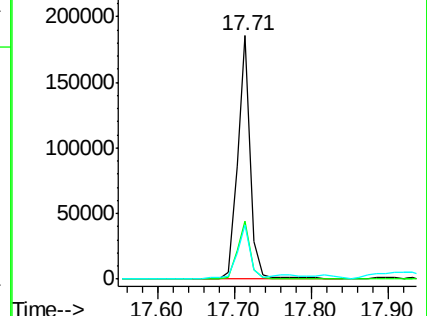
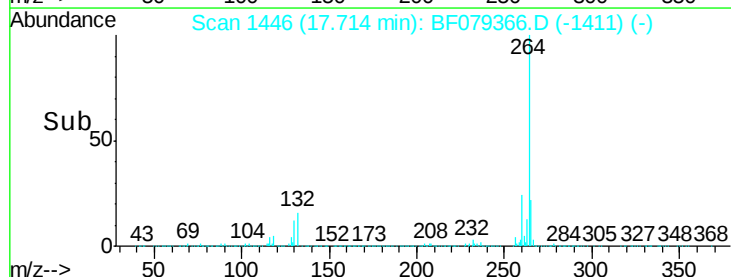
265 22.3 17.2 25.8

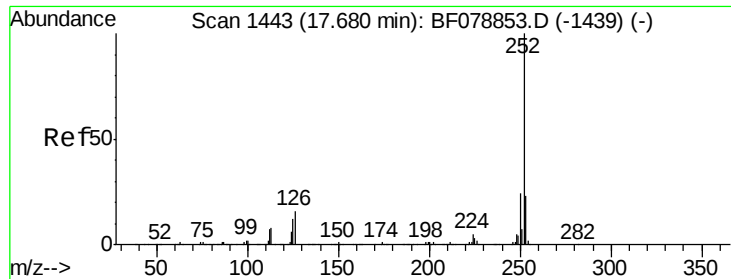


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

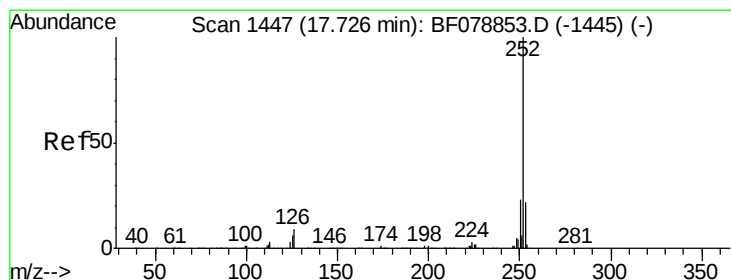
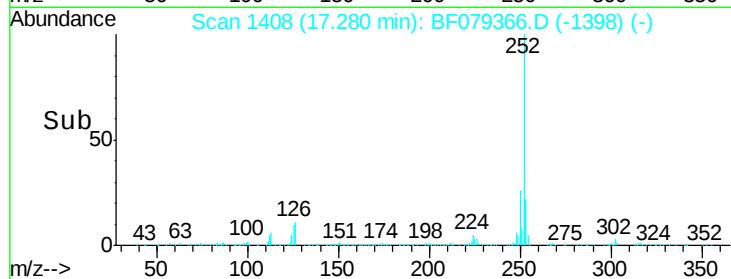
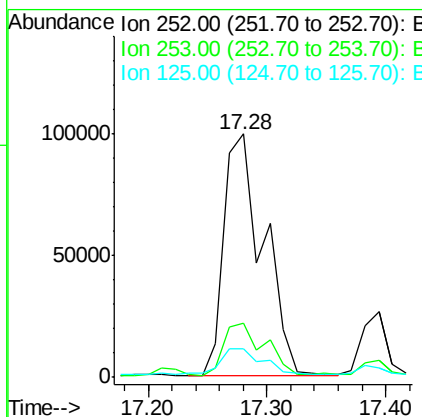
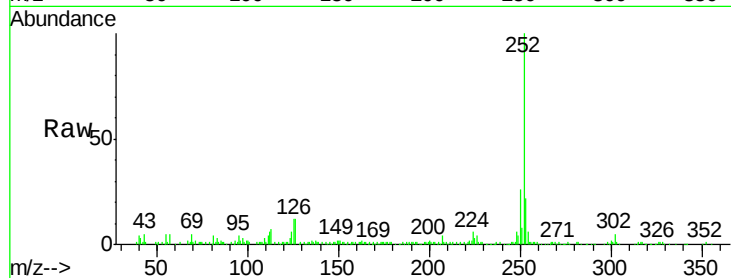




#87
Benzo(b)fluoranthene
Concen: 19.31 ng
RT: 17.28 min Scan# 1408
Delta R.T. -0.07 min
Lab File: BF079366.D
Acq: 20 May 2015 4:58

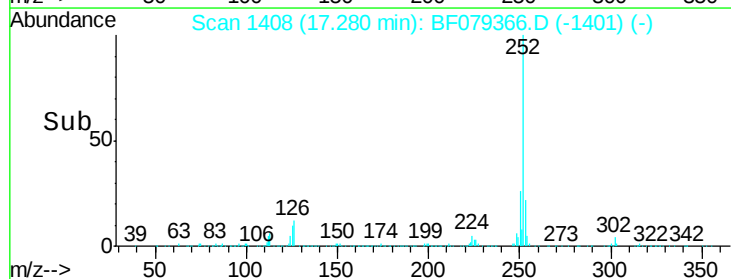
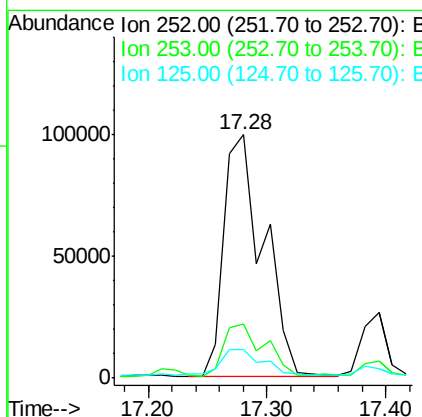
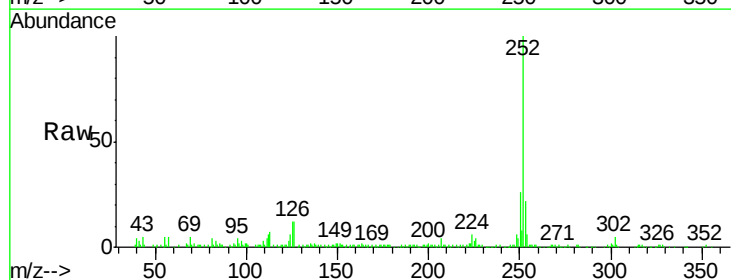
Instrument :
BNA_F
ClientSampled :
SB-03

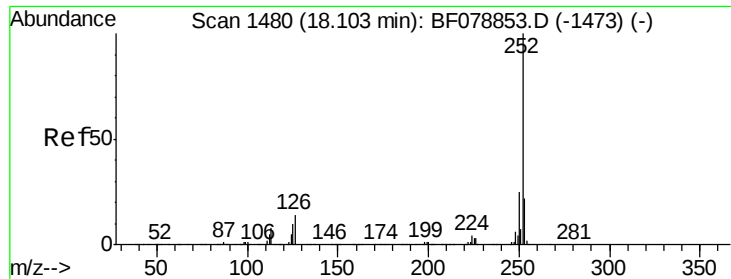
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	11.5	9.4	14.2



#88
Benzo(k)fluoranthene
Concen: 19.94 ng
RT: 17.28 min Scan# 1408
Delta R.T. -0.10 min
Lab File: BF079366.D
Acq: 20 May 2015 4:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.4	26.0
125	11.5	6.1	9.1#





#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

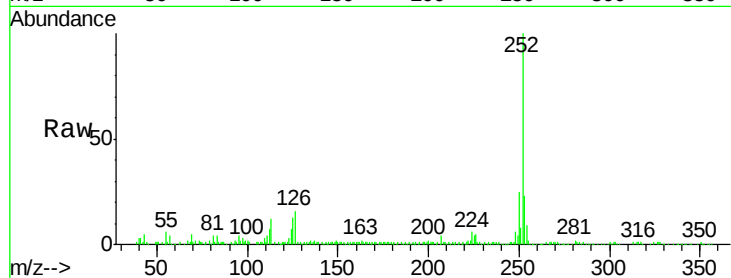
Tgt Ion:252 Resp: 129760

Ion Ratio Lower Upper

252 100

253 22.8 18.0 27.0

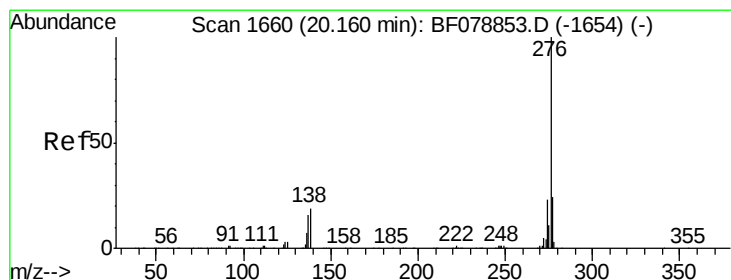
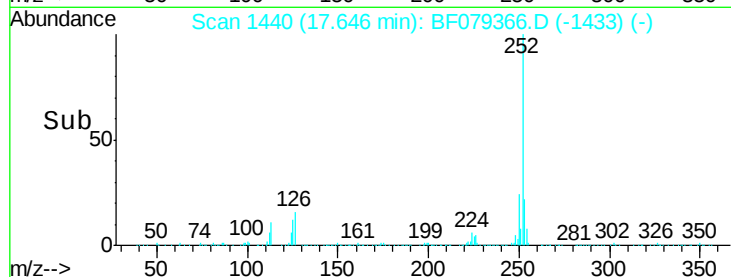
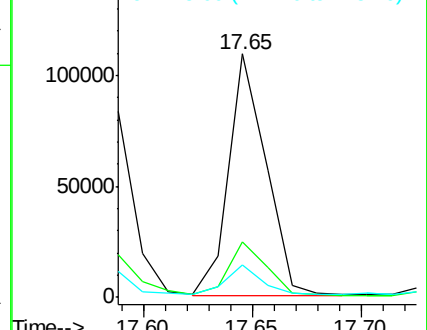
125 13.2 8.2 12.2#



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

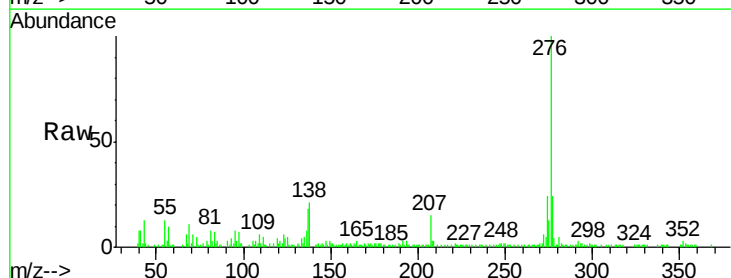
Tgt Ion:276 Resp: 91676

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

