

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF060315\
 Data File : BF079682.D
 Acq On : 4 Jun 2015 2:33
 Operator : TP/IZ
 Sample : G2408-20
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-17S

Quant Time: Jun 04 04:36:46 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF060315.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 03 15:20:47 2015
 Response via : Initial Calibration

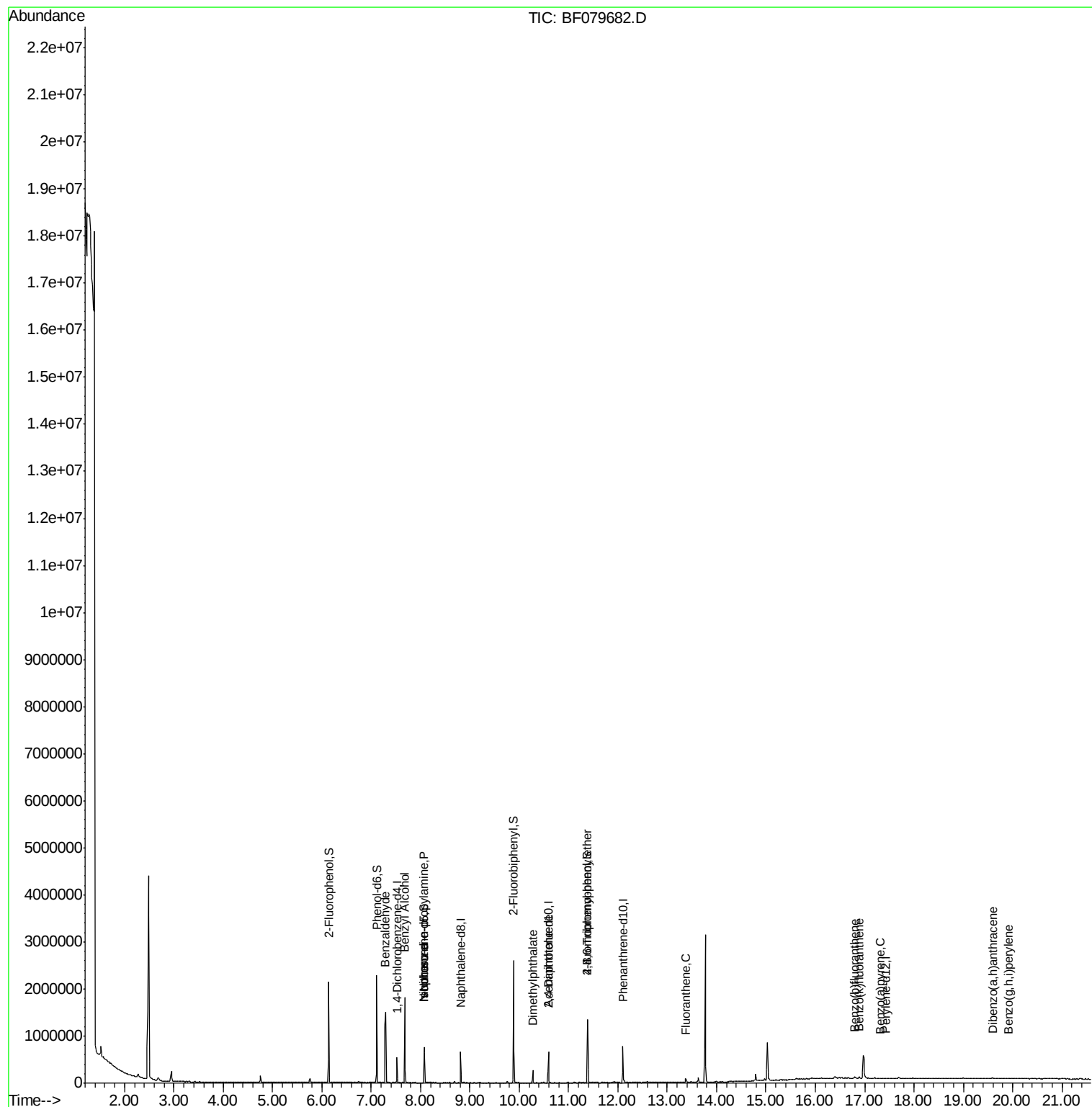
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.52	152	74909	20.00	ng	0.00
21) Naphthalene-d8	8.81	136	282360	20.00	ng	0.00
38) Acenaphthene-d10	10.59	164	137628	20.00	ng	0.00
63) Phenanthrene-d10	12.10	188	285733	20.00	ng	-0.03
75) Chrysene-d12	0.00	240	0	0.00	ng	-15.38
86) Perylene-d12	17.43	264	224	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	6.14	112	528941	127.88	ng	0.00
7) Phenol-d6	7.11	99	668388	124.09	ng	0.00
23) Nitrobenzene-d5	8.07	82	328302	69.34	ng	-0.01
41) 2,4,6-Tribromophenol	11.38	330	138941	122.32	ng	-0.01
44) 2-Fluorobiphenyl	9.88	172	785854	86.57	ng	0.00
78) Terphenyl-d14	13.77	244	1002690	0.00	ng	-0.18
Target Compounds						Qvalue
9) Benzaldehyde	7.29	77	12541	3.99	ng	90
15) Benzyl Alcohol	7.68	79	7932	2.01	ng	# 49
19) n-Nitroso-di-n-propylamine	8.07	70	42810	11.53	ng	# 88
25) Isophorone	8.07	82	326158	33.89	ng	# 65
49) Dimethylphthalate	10.27	163	106490	10.56	ng	99
56) 2,4-Dinitrotoluene	10.59	165	17904	12.83	ng	# 30
66) 4-Bromophenyl-phenylether	11.38	248	9470	3.30	ng	# 1
74) Fluoranthene	13.38	202	43553	2.56	ng	93
87) Benzo(b)fluoranthene	16.80	252	16376	1414.73	ng	# 88
88) Benzo(k)fluoranthene	16.89	252	24626	1815.83	ng	# 95
89) Benzo(a)pyrene	17.31	252	208	18.38	ng	# 1
90) Dibenzo(a,h)anthracene	19.60	278	219	20.65	ng	# 1
91) Benzo(g,h,i)perylene	19.92	276	3826	340.14	ng	# 67

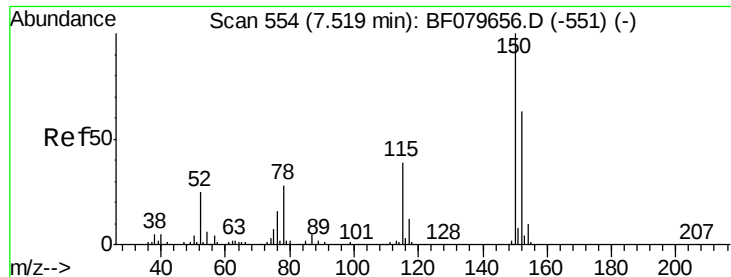
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.52 min Scan# 554

Delta R.T. -0.00 min

Lab File: BF079682.D

Acq: 4 Jun 2015 2:33

Instrument :

BNA_F

ClientSampleId :

SB-17S

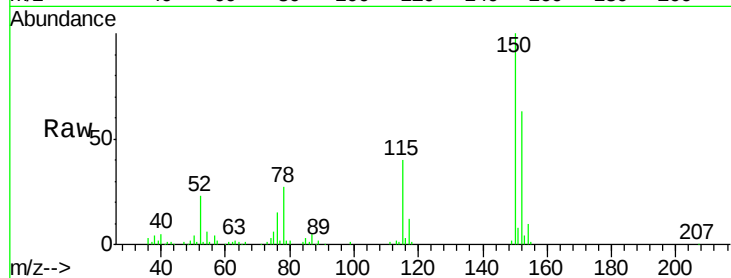
Tgt Ion:152 Resp: 74909

Ion Ratio Lower Upper

152 100

150 157.8 126.7 190.1

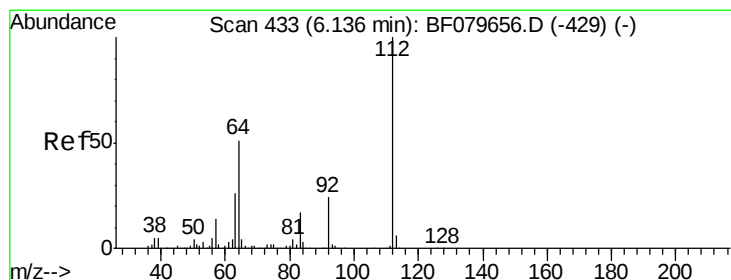
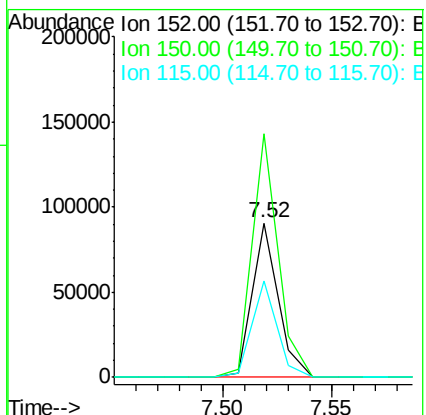
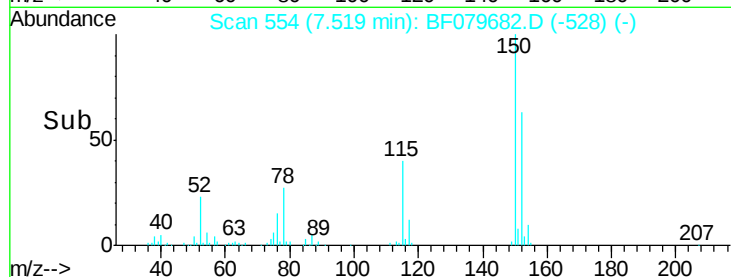
115 62.9 49.2 73.8



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: 127.88 ng

RT: 6.14 min Scan# 433

Delta R.T. 0.00 min

Lab File: BF079682.D

Acq: 4 Jun 2015 2:33

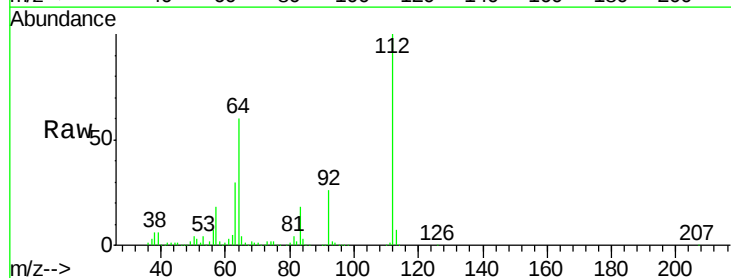
Tgt Ion:112 Resp: 528941

Ion Ratio Lower Upper

112 100

64 59.9 41.1 61.7

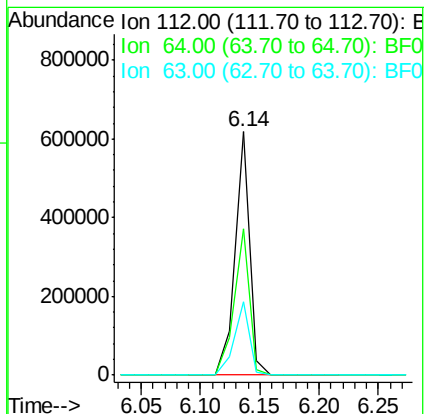
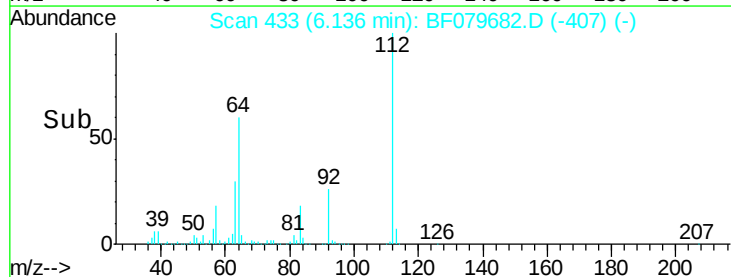
63 30.3 20.5 30.7



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: 124.09 ng

RT: 7.11 min Scan# 518

Delta R.T. 0.00 min

Lab File: BF079682.D

Acq: 4 Jun 2015 2:33

Instrument :

BNA_F

ClientSampled :

SB-17S

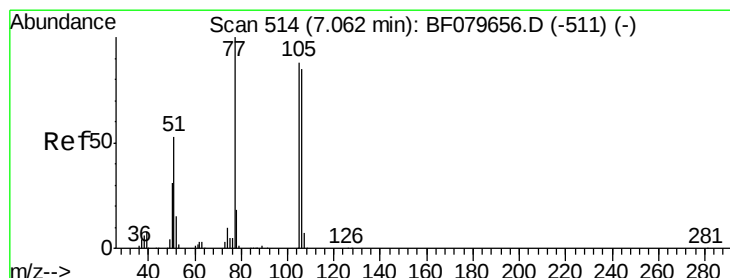
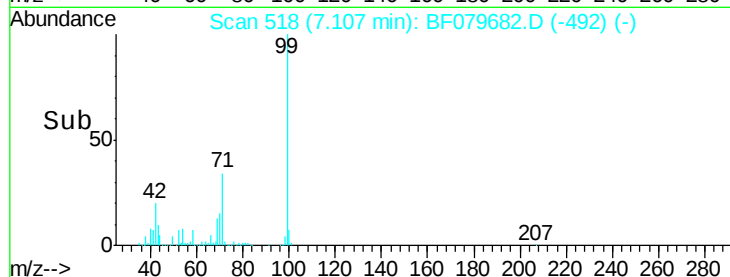
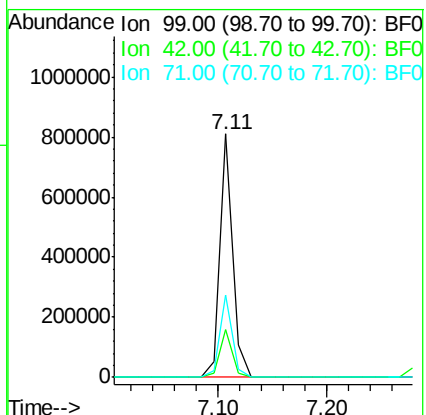
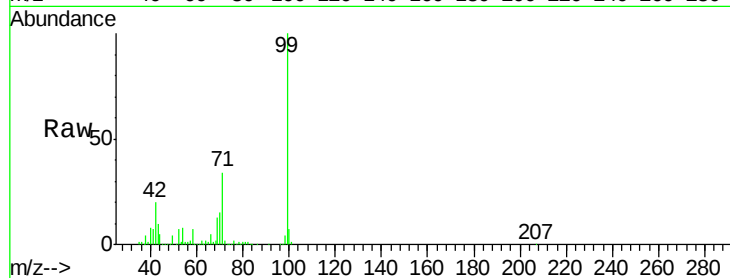
Tgt Ion: 99 Resp: 668388

Ion Ratio Lower Upper

99 100

42 19.9 15.2 22.8

71 33.9 25.9 38.9



#9

Benzaldehyde

Concen: 3.99 ng

RT: 7.29 min Scan# 534

Delta R.T. 0.23 min

Lab File: BF079682.D

Acq: 4 Jun 2015 2:33

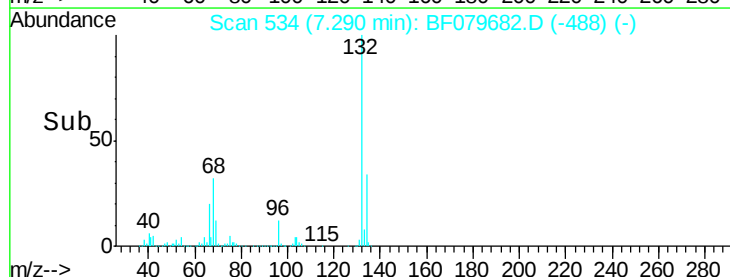
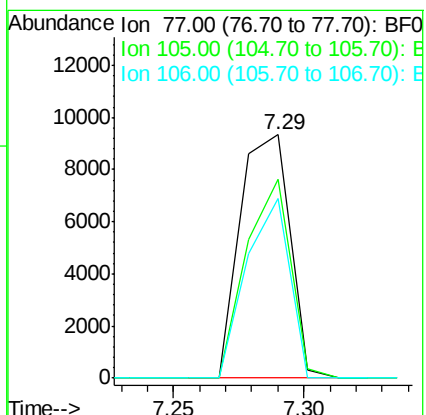
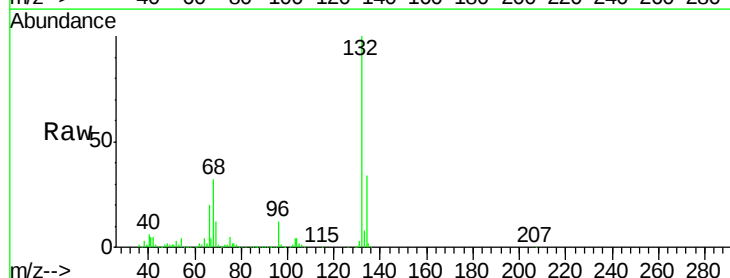
Tgt Ion: 77 Resp: 12541

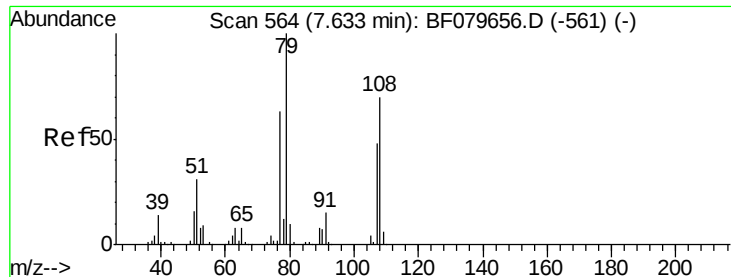
Ion Ratio Lower Upper

77 100

105 81.7 68.2 108.2

106 73.7 64.9 104.9





#15

Benzyl Alcohol

Concen: 2.01 ng

RT: 7.68 min Scan# 568

Delta R.T. 0.05 min

Lab File: BF079682.D

Acq: 4 Jun 2015 2:33

Instrument :

BNA_F

ClientSampleId :

SB-17S

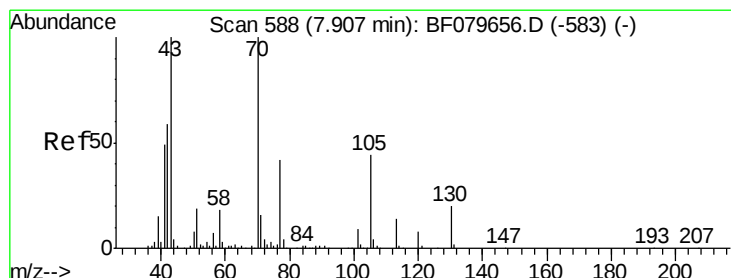
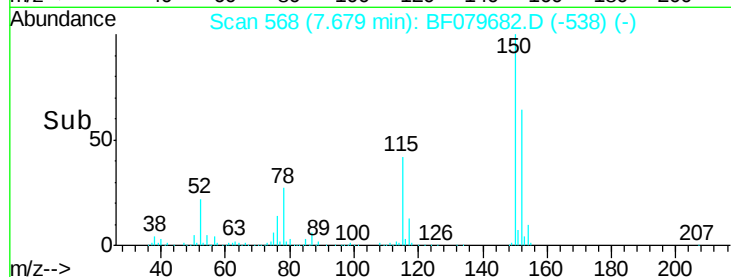
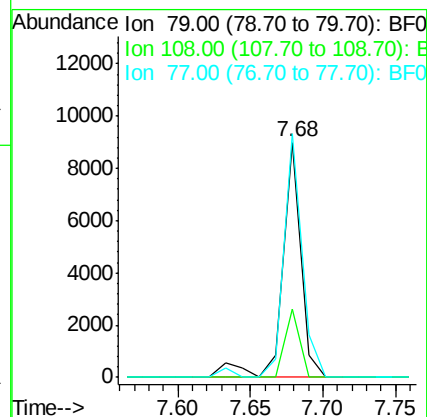
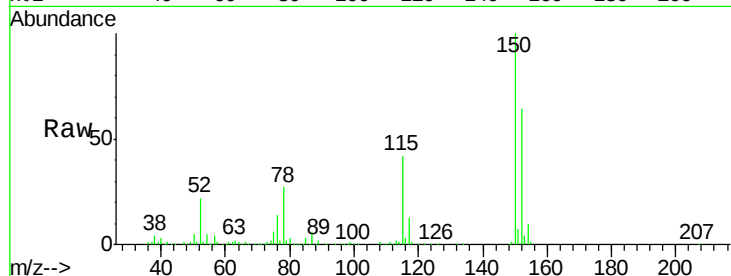
Tgt Ion: 79 Resp: 7932

Ion Ratio Lower Upper

79 100

108 28.9 56.2 84.4#

77 103.6 50.7 76.1#



#19

n-Nitroso-di-n-propylamine

Concen: 11.53 ng

RT: 8.07 min Scan# 602

Delta R.T. 0.16 min

Lab File: BF079682.D

Acq: 4 Jun 2015 2:33

Tgt Ion: 70 Resp: 42810

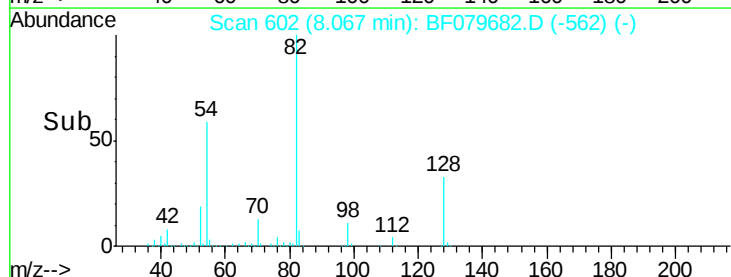
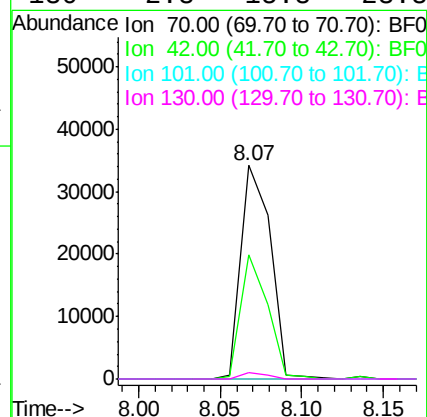
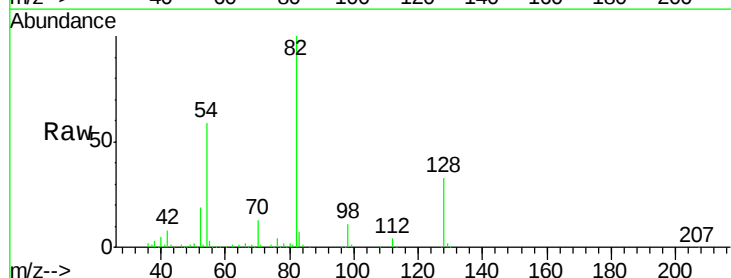
Ion Ratio Lower Upper

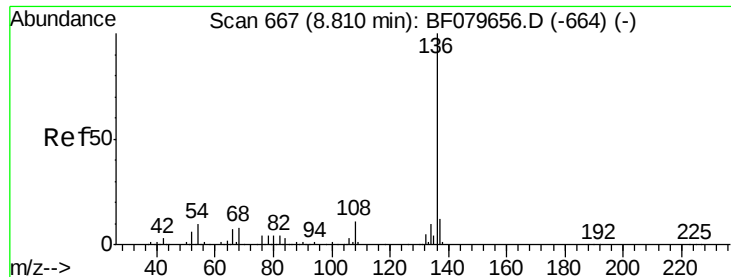
70 100

42 58.0 47.7 71.5

101 0.0 7.4 11.0#

130 2.8 15.8 23.8#

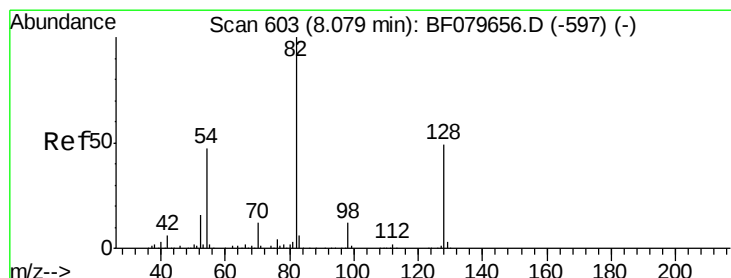
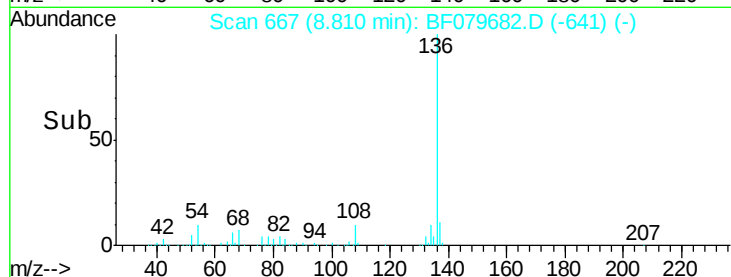
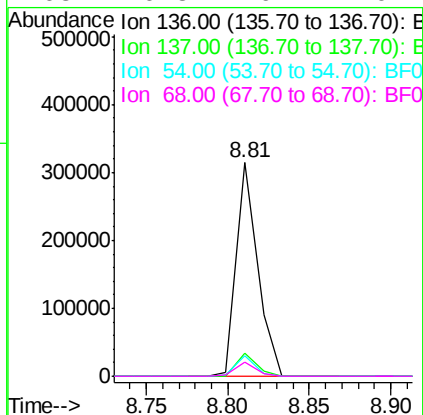
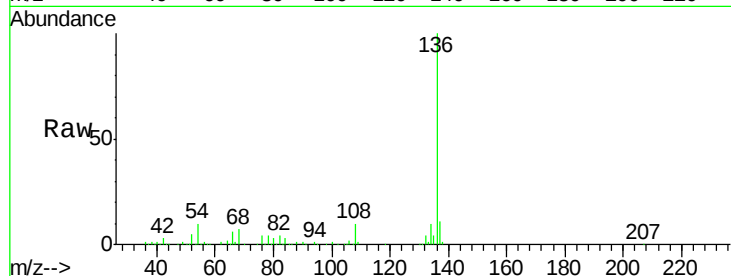




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.81 min Scan# 667
Delta R.T. -0.00 min
Lab File: BF079682.D
Acq: 4 Jun 2015 2:33

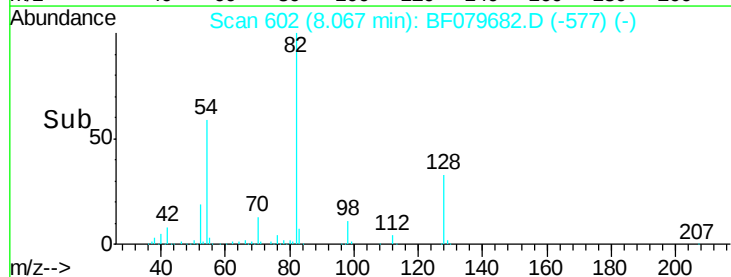
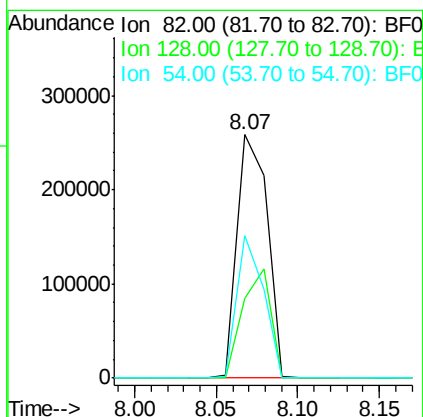
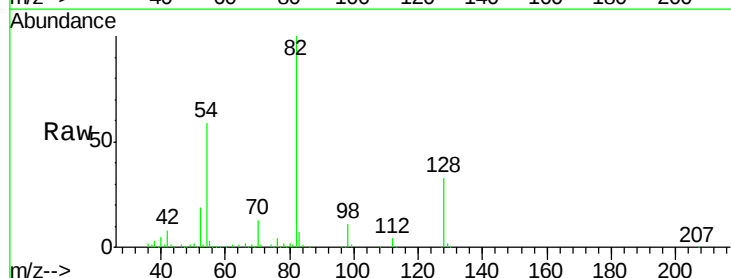
Instrument :
BNA_F
ClientSampleId :
SB-17S

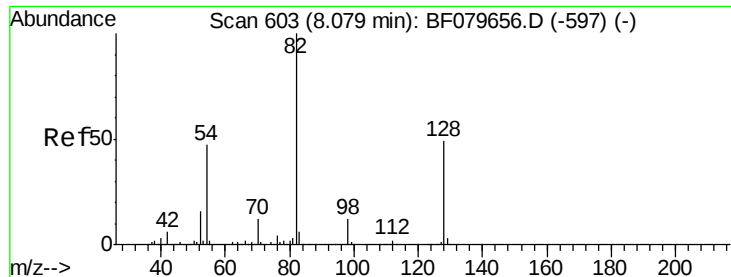
Tgt Ion:	136	Resp:	282360
Ion	Ratio	Lower	Upper
136	100		
137	10.8	9.3	13.9
54	9.7	8.3	12.5
68	6.8	6.1	9.1



#23
Nitrobenzene-d5
Concen: 69.34 ng
RT: 8.07 min Scan# 602
Delta R.T. -0.01 min
Lab File: BF079682.D
Acq: 4 Jun 2015 2:33

Tgt Ion:	82	Resp:	328302
Ion	Ratio	Lower	Upper
82	100		
128	32.7	39.4	59.0#
54	58.5	37.4	56.0#





#25

Isophorone

Concen: 33.89 ng

RT: 8.07 min Scan# 602

Delta R.T. -0.26 min

Lab File: BF079682.D

Acq: 4 Jun 2015 2:33

Instrument :

BNA_F

ClientSampleId :

SB-17S

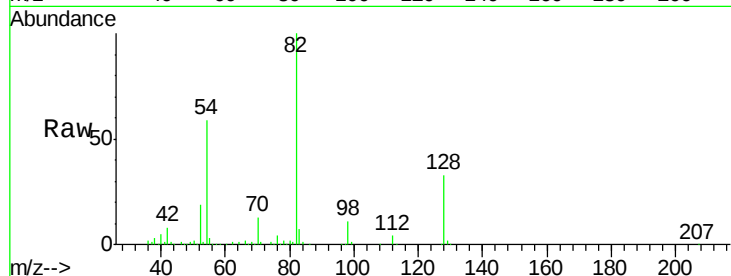
Tgt Ion: 82 Resp: 326158

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

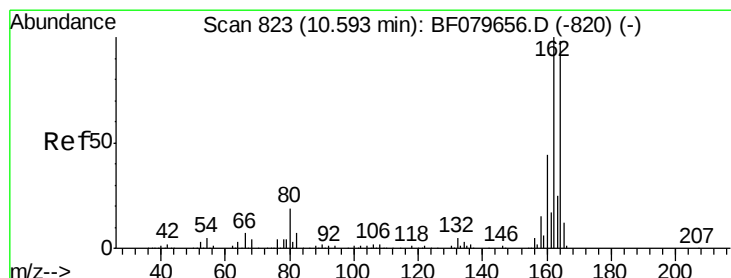
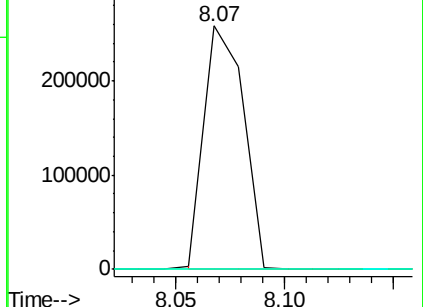
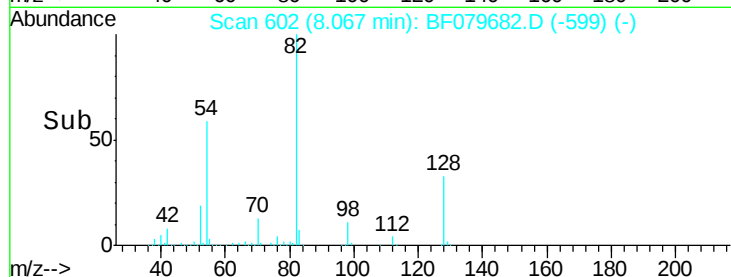
138 0.0 14.4 21.6#



Abundance Ion 82.00 (81.70 to 82.70): BF079656.D (-597) (-)

Ion 95.00 (94.70 to 95.70): BF079656.D (-597) (-)

Ion 138.00 (137.70 to 138.70): BF079656.D (-597) (-)



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.59 min Scan# 823

Delta R.T. -0.00 min

Lab File: BF079682.D

Acq: 4 Jun 2015 2:33

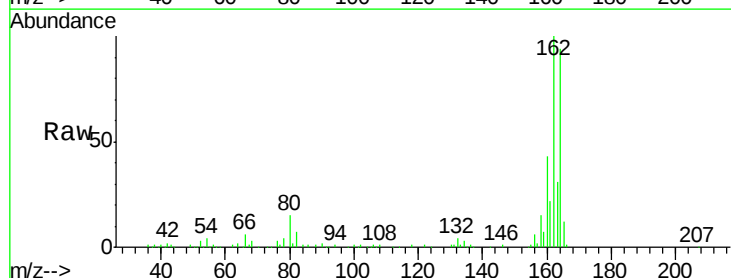
Tgt Ion: 164 Resp: 137628

Ion Ratio Lower Upper

164 100

162 106.0 82.0 123.0

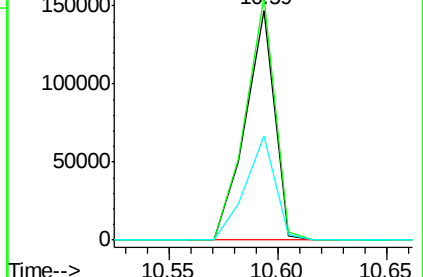
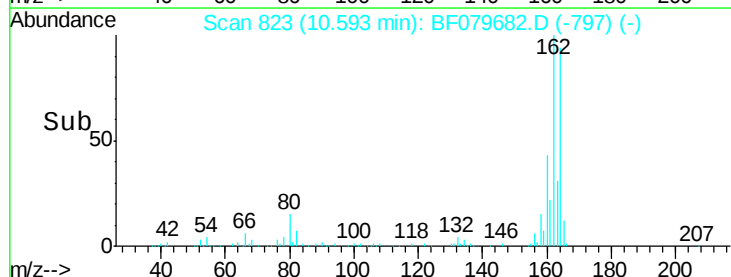
160 45.3 35.9 53.9

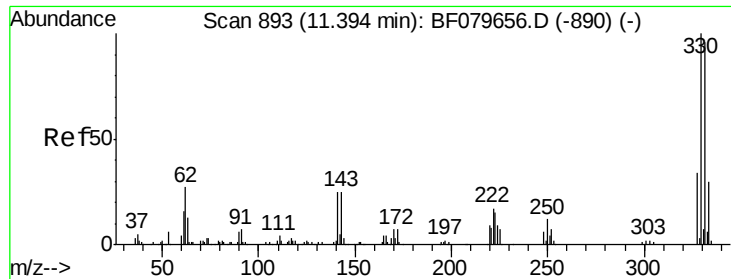


Abundance Ion 164.00 (163.70 to 164.70): BF079656.D (-820) (-)

Ion 162.00 (161.70 to 162.70): BF079656.D (-820) (-)

Ion 160.00 (159.70 to 160.70): BF079656.D (-820) (-)

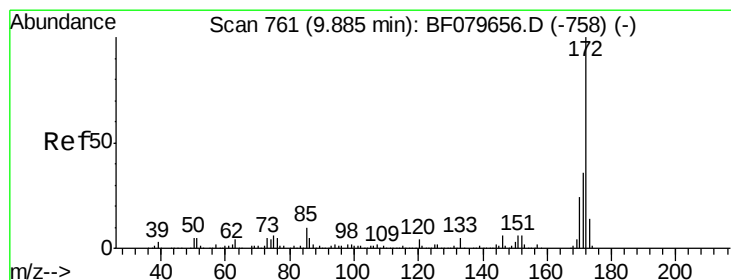
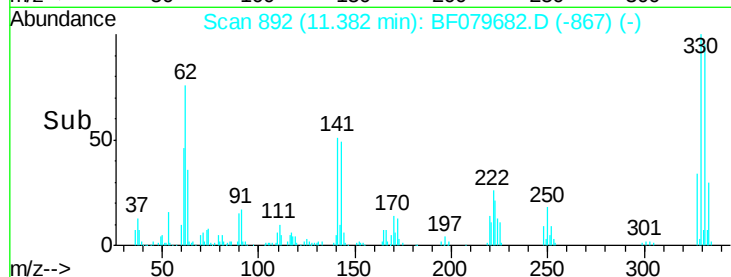
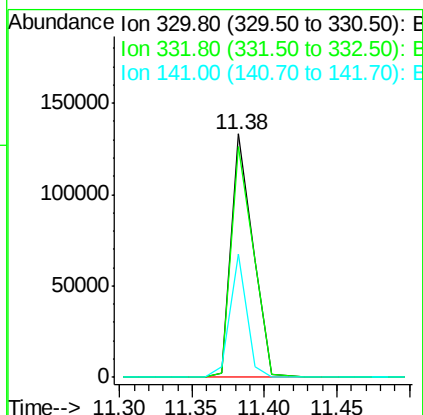
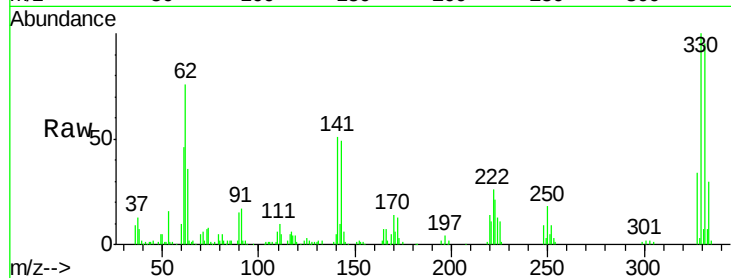




#41
 2,4,6-Tribromophenol
 Concen: 122.32 ng
 RT: 11.38 min Scan# 892
 Delta R.T. -0.01 min
 Lab File: BF079682.D
 Acq: 4 Jun 2015 2:33

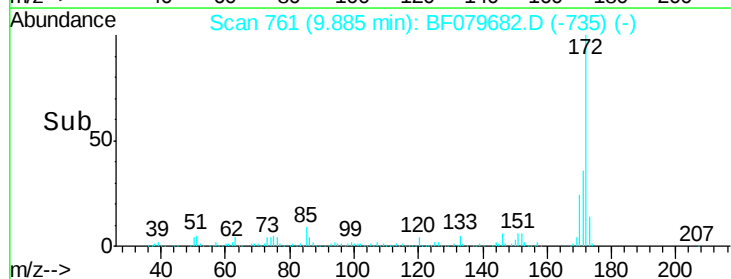
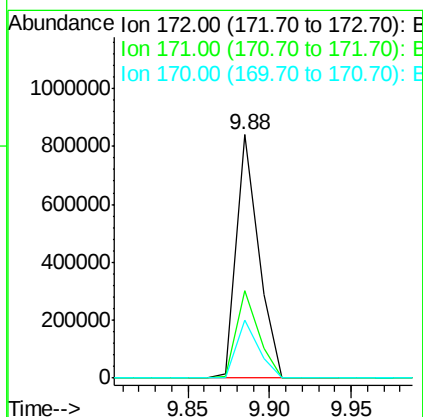
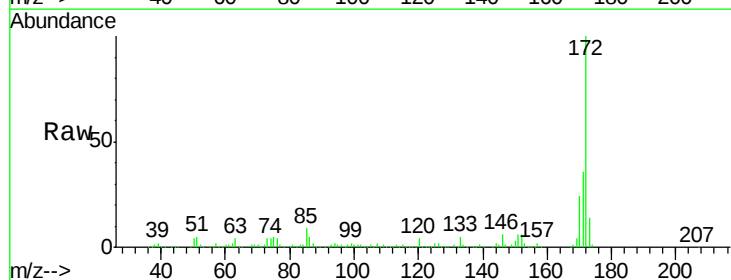
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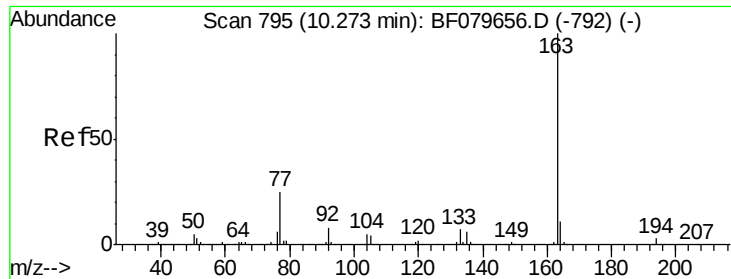
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.3	115.9
141	39.5	27.4	41.2



#44
 2-Fluorobiphenyl
 Concen: 86.57 ng
 RT: 9.88 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: BF079682.D
 Acq: 4 Jun 2015 2:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.8	43.2
170	24.0	19.2	28.8

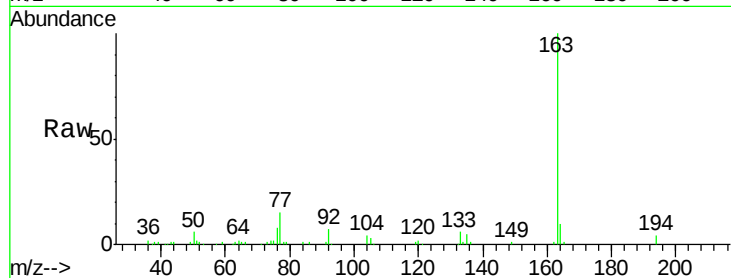




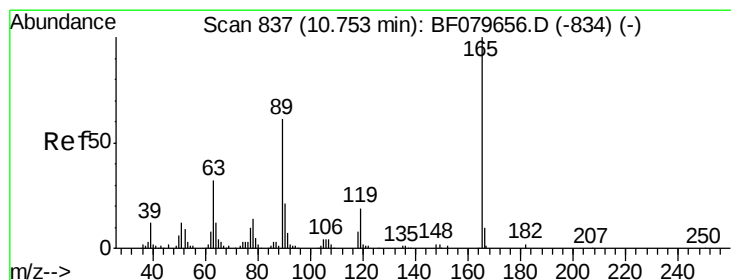
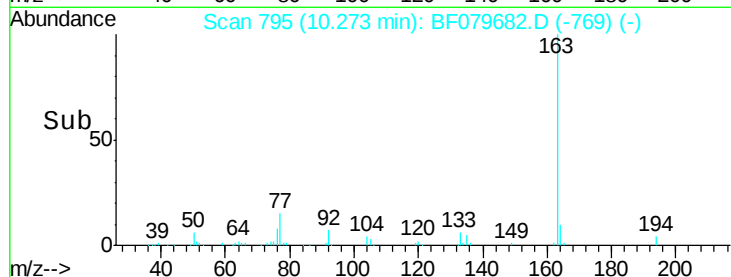
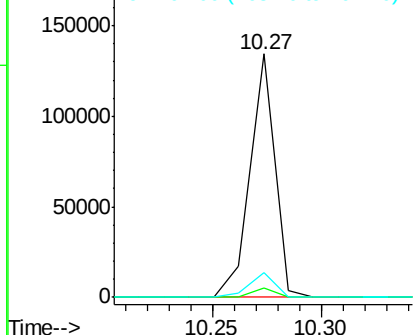
#49
Dimethylphthalate
Concen: 10.56 ng
RT: 10.27 min Scan# 795
Delta R.T. -0.00 min
Lab File: BF079682.D
Acq: 4 Jun 2015 2:33

Instrument :
BNA_F
ClientSampleId :
SB-17S

Tgt Ion:163 Resp: 106490
Ion Ratio Lower Upper
163 100
194 3.8 2.6 3.8
164 10.3 8.6 12.8

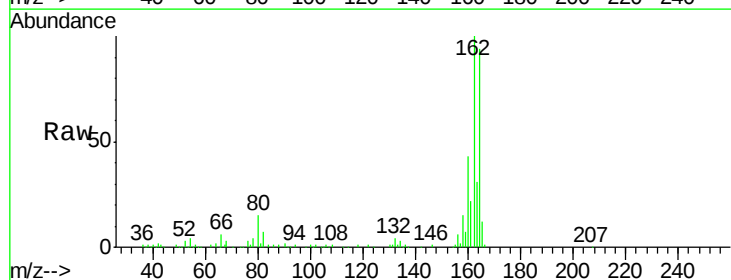


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

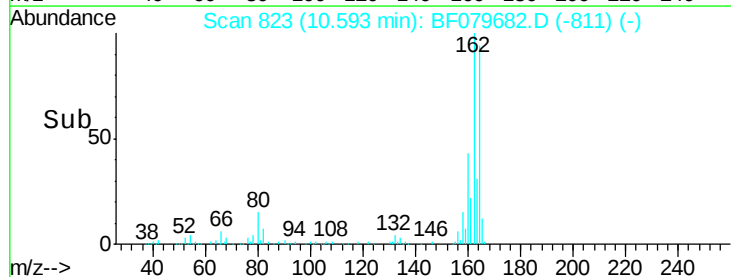
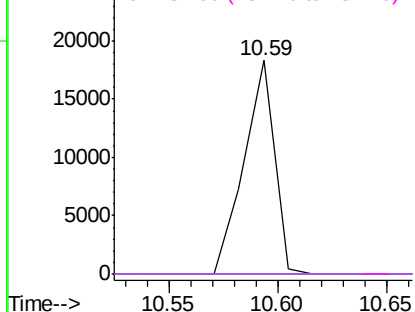


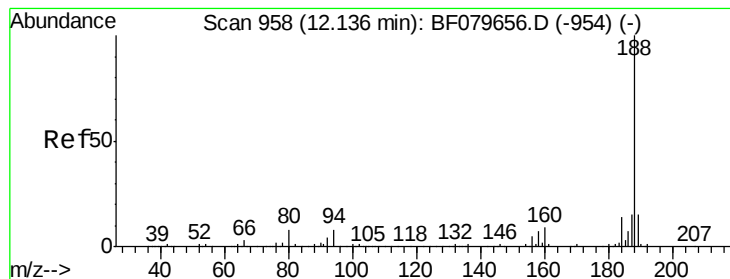
#56
2,4-Dinitrotoluene
Concen: 12.83 ng
RT: 10.59 min Scan# 823
Delta R.T. -0.16 min
Lab File: BF079682.D
Acq: 4 Jun 2015 2:33

Tgt Ion:165 Resp: 17904
Ion Ratio Lower Upper
165 100
63 0.0 25.5 38.3#
89 0.0 48.5 72.7#
182 0.0 1.9 2.9#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 89.00 (88.70 to 89.70): BF0
Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.10 min Scan# 955

Delta R.T. -0.03 min

Lab File: BF079682.D

Acq: 4 Jun 2015 2:33

Instrument :

BNA_F

ClientSampleId :

SB-17S

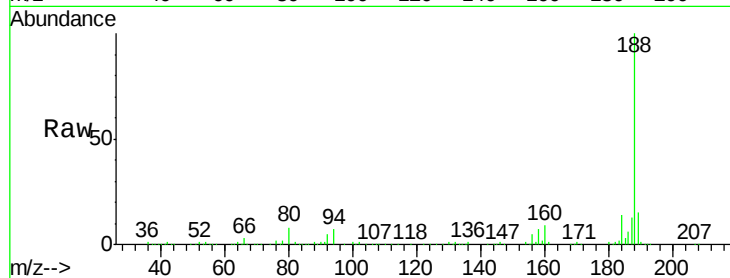
Tgt Ion:188 Resp: 285733

Ion Ratio Lower Upper

188 100

94 7.3 6.1 9.1

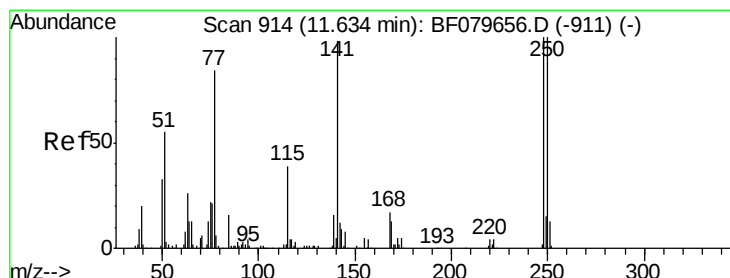
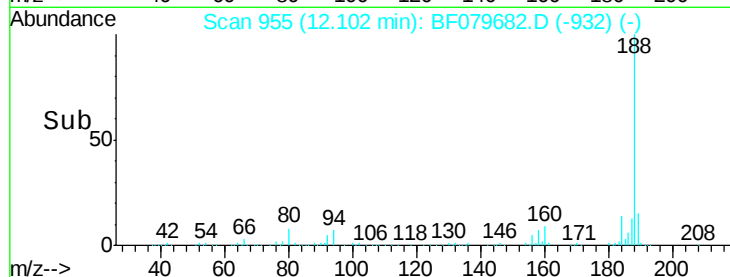
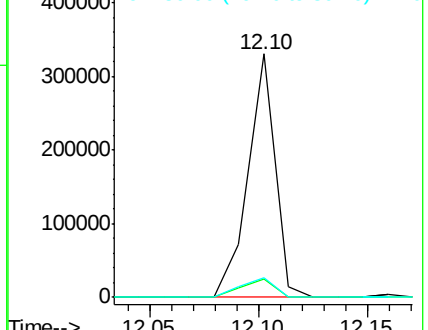
80 8.3 6.2 9.2



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



#66

4-Bromophenyl-phenylether

Concen: 3.30 ng

RT: 11.38 min Scan# 892

Delta R.T. -0.25 min

Lab File: BF079682.D

Acq: 4 Jun 2015 2:33

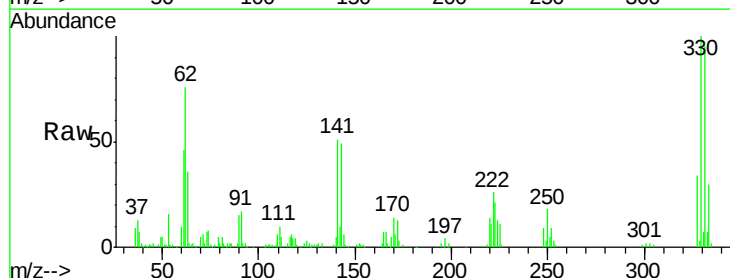
Tgt Ion:248 Resp: 9470

Ion Ratio Lower Upper

248 100

250 205.2 80.0 120.0#

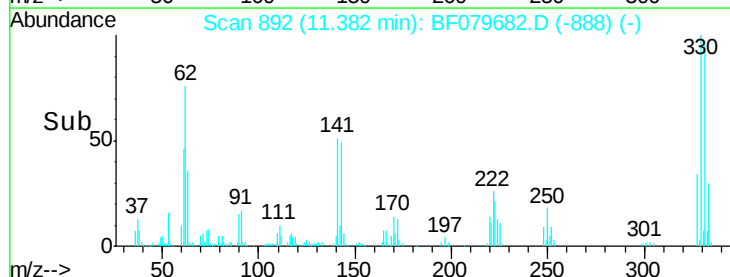
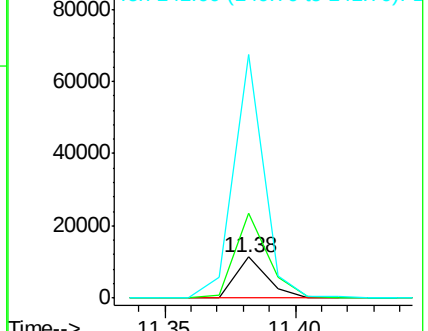
141 592.2 78.8 118.2#

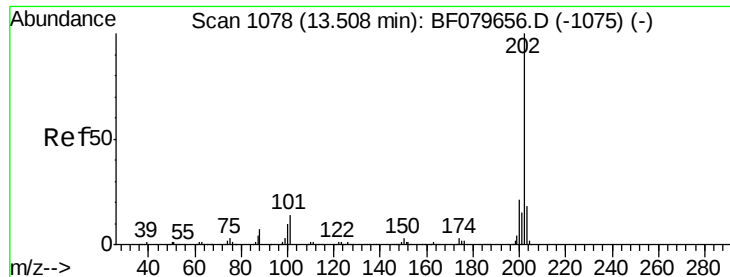


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#74

Fluoranthene

Concen: 2.56 ng

RT: 13.38 min Scan# 1067

Delta R.T. -0.13 min

Lab File: BF079682.D

Acq: 4 Jun 2015 2:33

Instrument :

BNA_F

ClientSampleId :

SB-17S

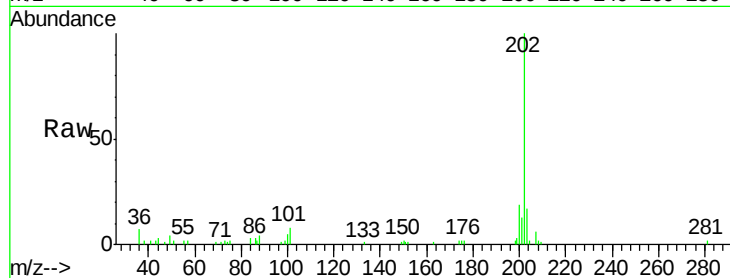
Tgt Ion: 202 Resp: 43553

Ion Ratio Lower Upper

202 100

101 8.4 0.0 34.0

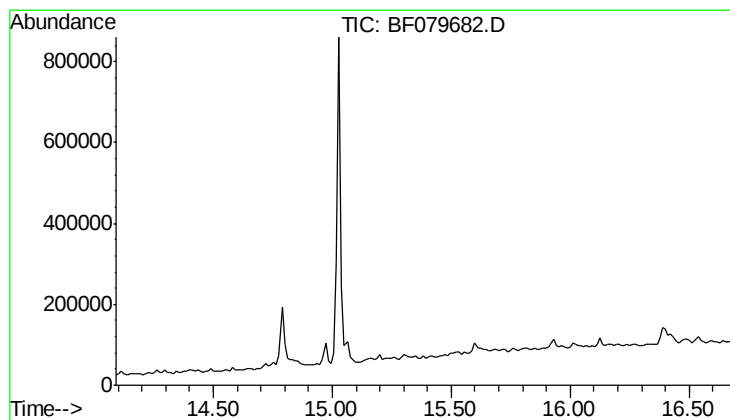
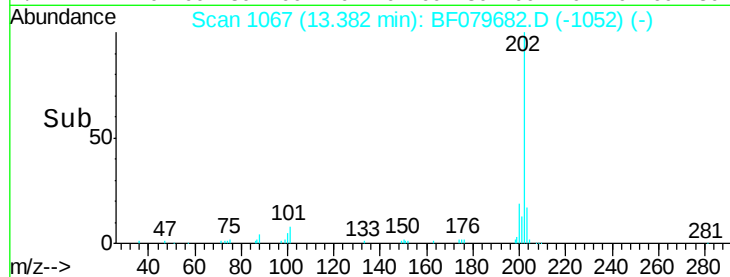
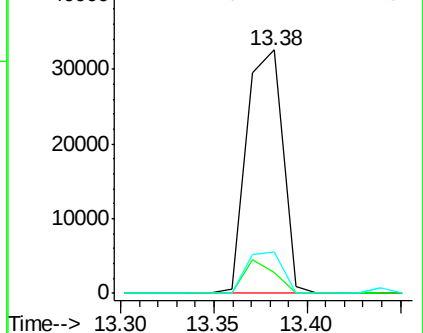
203 16.8 0.0 37.9



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: 0.00 ng

Expected RT: 15.38 min

Lab File: BF079682.D

Acq: 4 Jun 2015 2:33

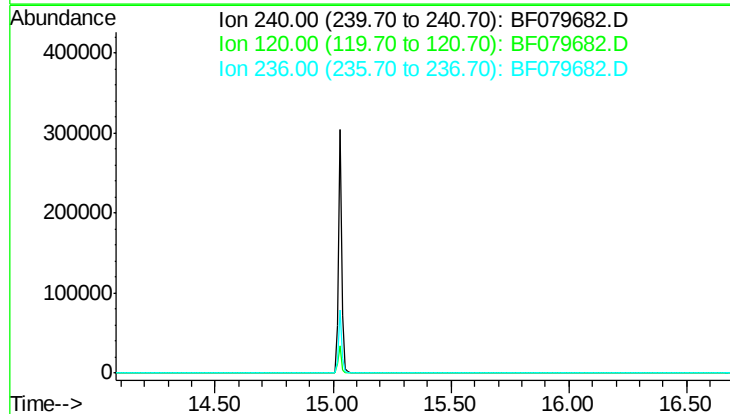
Tgt Ion: 240

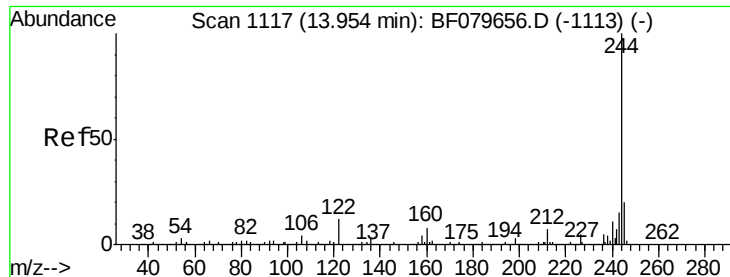
Sig Exp Ratio

240 100

120 8.0

236 25.3





#78

Terphenyl-d14

Concen: 0.00 ng

RT: 13.77 min Scan# 1101

Delta R.T. -0.18 min

Lab File: BF079682.D

Acq: 4 Jun 2015 2:33

Instrument :

BNA_F

ClientSampleId :

SB-17S

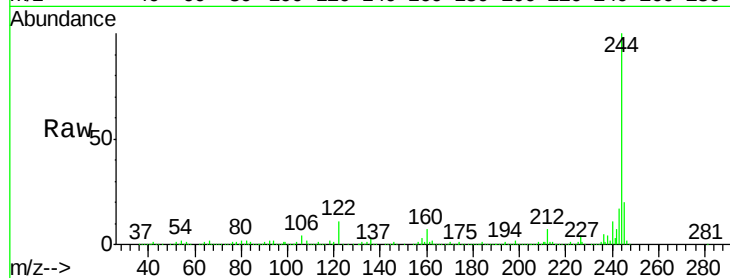
Tgt Ion:244 Resp: 1002690

Ion Ratio Lower Upper

244 100

212 7.2 5.9 8.9

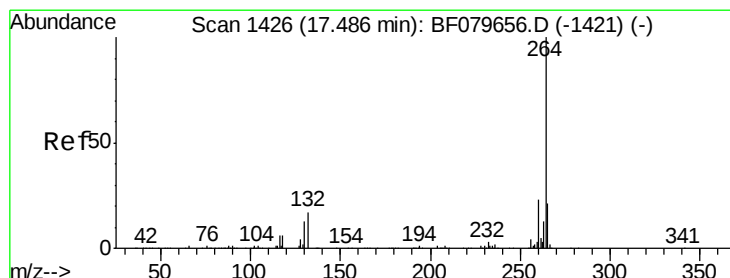
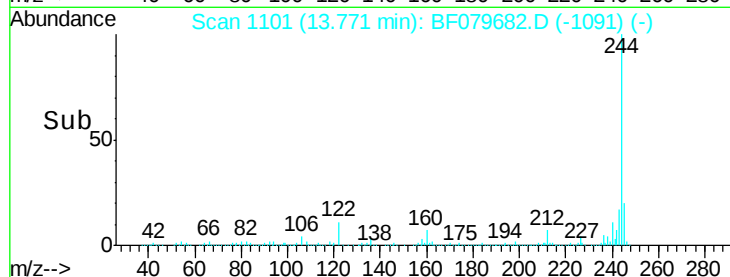
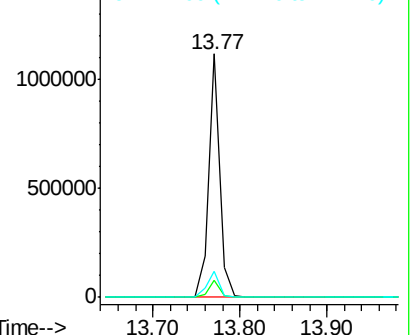
122 10.7 9.8 14.6



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 17.43 min Scan# 1421

Delta R.T. -0.06 min

Lab File: BF079682.D

Acq: 4 Jun 2015 2:33

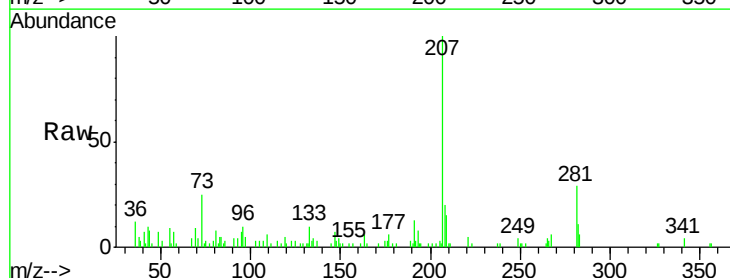
Tgt Ion:264 Resp: 224

Ion Ratio Lower Upper

264 100

260 0.0 18.8 28.2#

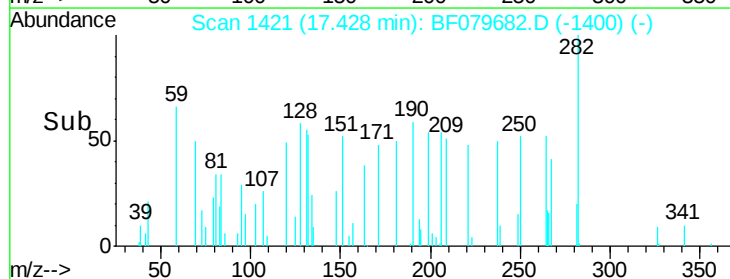
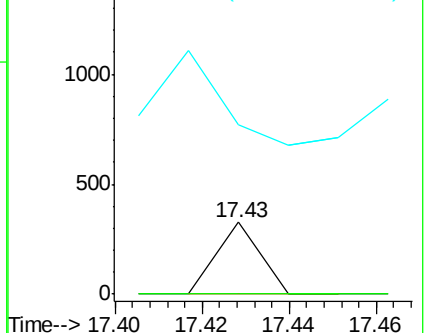
265 235.2 17.4 26.0#

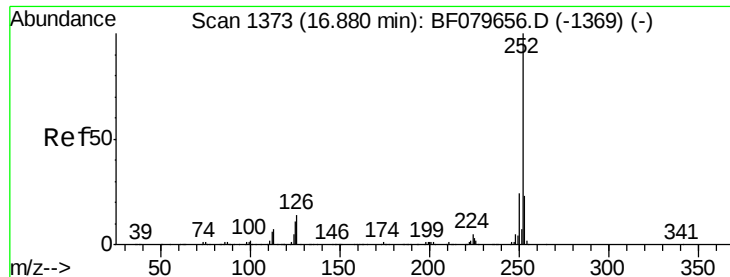


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 1414.73 ng

RT: 16.80 min Scan# 1366

Delta R.T. -0.08 min

Lab File: BF079682.D

Acq: 4 Jun 2015 2:33

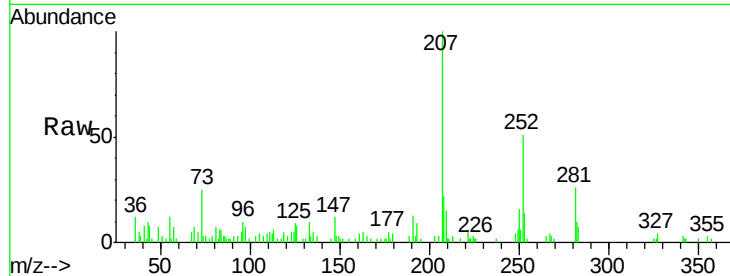
Instrument :

BNA_F

ClientSampleId :

SB-17S

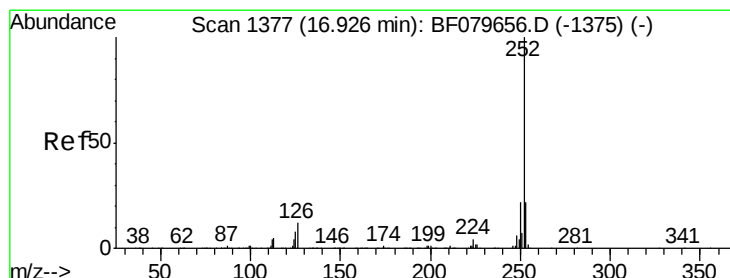
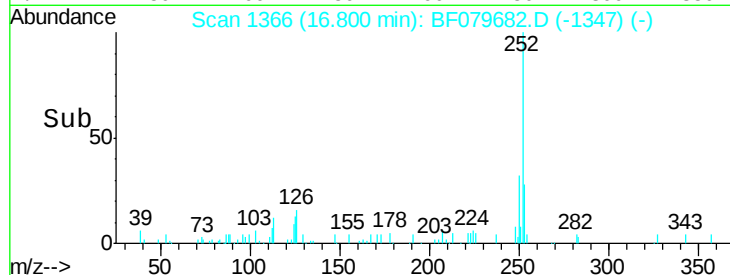
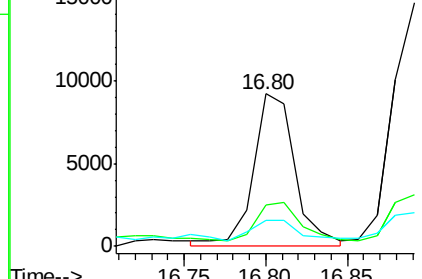
Tgt Ion:	252	Resp:	16376
Ion Ratio	Lower	Upper	
252	100		
253	26.9	18.0	27.0
125	17.2	8.7	13.1#



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



#88

Benzo(k)fluoranthene

Concen: 1815.83 ng

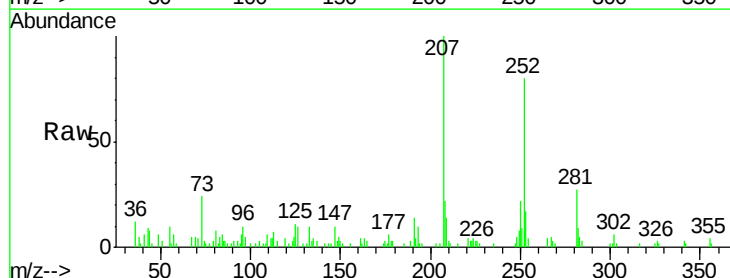
RT: 16.89 min Scan# 1374

Delta R.T. -0.03 min

Lab File: BF079682.D

Acq: 4 Jun 2015 2:33

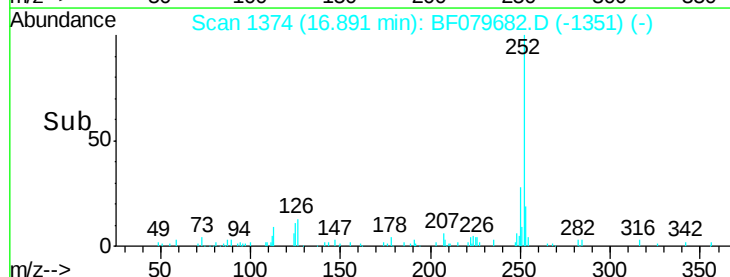
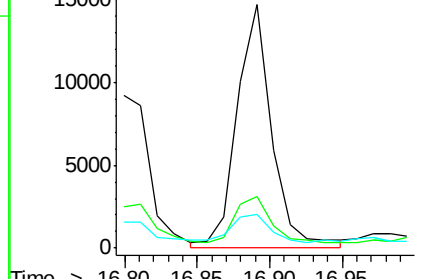
Tgt Ion:	252	Resp:	24626
Ion Ratio	Lower	Upper	
252	100		
253	21.2	17.4	26.2
125	13.6	7.1	10.7#

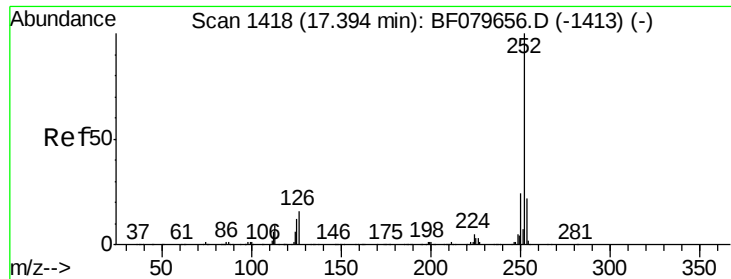


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 18.38 ng

RT: 17.31 min Scan# 1411

Delta R.T. -0.08 min

Lab File: BF079682.D

Acq: 4 Jun 2015 2:33

Instrument :

BNA_F

ClientSampled :

SB-17S

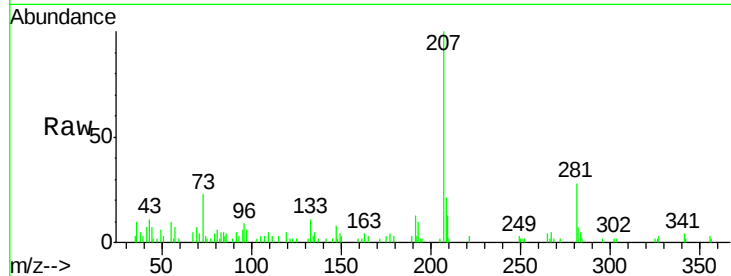
Tgt Ion: 252 Resp: 208

Ion Ratio Lower Upper

252 100

253 0.0 17.9 26.9#

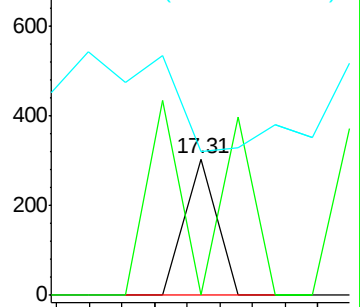
125 105.3 9.4 14.0#



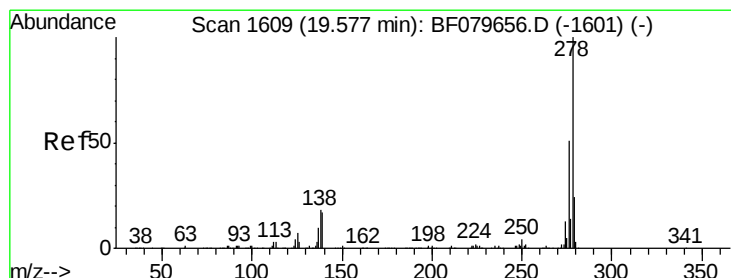
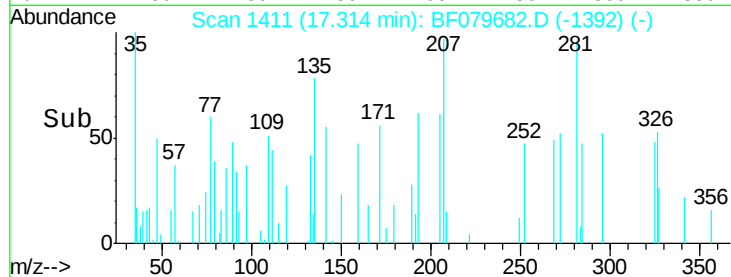
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#90

Dibenzo(a,h)anthracene

Concen: 20.65 ng

RT: 19.60 min Scan# 1611

Delta R.T. 0.02 min

Lab File: BF079682.D

Acq: 4 Jun 2015 2:33

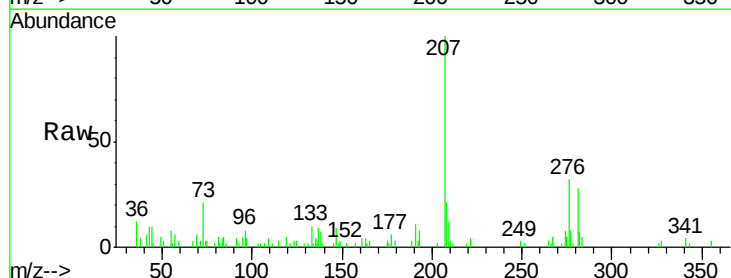
Tgt Ion: 278 Resp: 219

Ion Ratio Lower Upper

278 100

139 121.0 13.7 20.5#

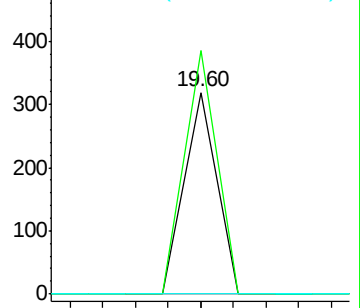
279 0.0 19.6 29.4#



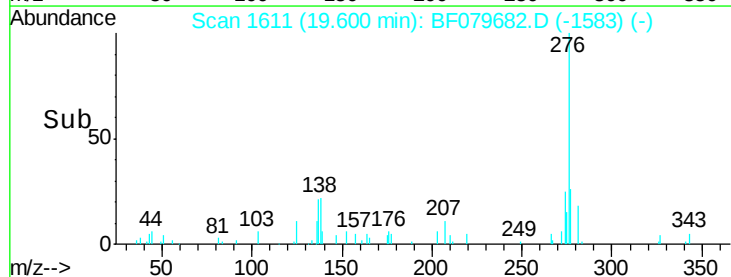
Abundance Ion 278.00 (277.70 to 278.70): E

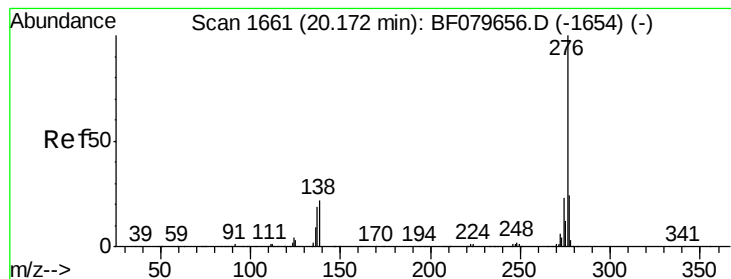
Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->





#91

Benzo(g,h,i)perylene

Concen: 340.14 ng

RT: 19.92 min Scan# 1639

Delta R.T. -0.25 min

Lab File: BF079682.D

Acq: 4 Jun 2015 2:33

Instrument :

BNA_F

ClientSampleId :

SB-17S

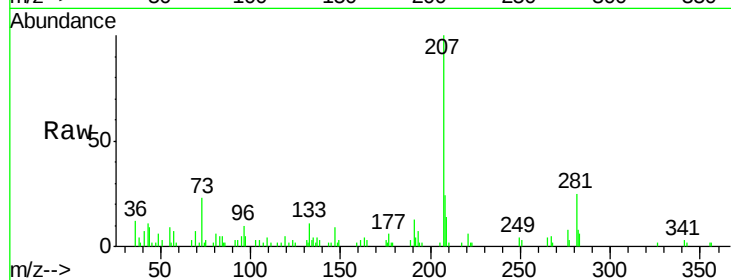
Tgt Ion: 276 Resp: 3826

Ion Ratio Lower Upper

276 100

277 41.9 19.1 28.7#

138 35.6 17.4 26.0#



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

