

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052815\
 Data File : BF079553.D
 Acq On : 28 May 2015 19:31
 Operator : TP/IZ
 Sample : G2408-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 SB-25D

Quant Time: May 29 08:49:10 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 28 18:41:08 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	70692	20.00	ng	0.00
21) Naphthalene-d8	8.54	136	293168	20.00	ng	0.00
38) Acenaphthene-d10	10.71	164	146677	20.00	ng	0.00
63) Phenanthrene-d10	12.54	188	274569	20.00	ng	0.00
75) Chrysene-d12	15.82	240	297655	20.00	ng	-0.02
86) Perylene-d12	17.57	264	311353	20.00	ng	-0.10

System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	300331	73.69	ng	0.02
7) Phenol-d6	6.57	99	433075	83.36	ng	0.01
23) Nitrobenzene-d5	7.66	82	247106	48.72	ng	-0.01
41) 2,4,6-Tribromophenol	11.69	330	131150	81.41	ng	0.00
44) 2-Fluorobiphenyl	9.88	172	470969	45.81	ng	0.00
78) Terphenyl-d14	14.54	244	494862	39.02	ng	0.00

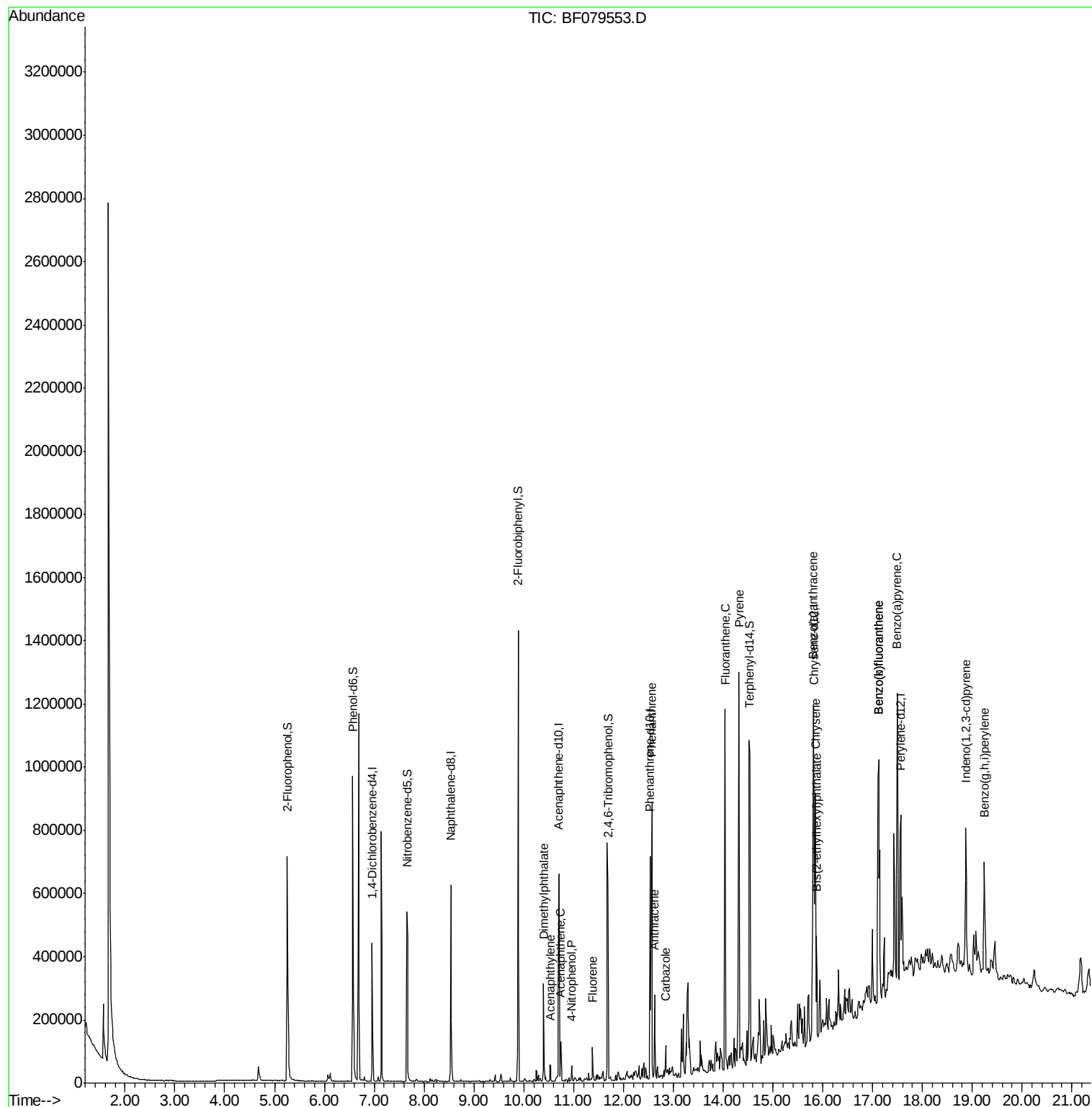
Target Compounds				Qvalue		
48) Acenaphthylene	10.54	152	33824	2.25	ng	99
49) Dimethylphthalate	10.40	163	120499	11.15	ng	98
51) Acenaphthene	10.74	154	28541	3.32	ng	98
55) 4-Nitrophenol	10.96	139	7775	4.99	ng	# 12
57) Fluorene	11.38	166	29091	2.79	ng	94
70) Phenanthrene	12.57	178	410079	27.22	ng	100
71) Anthracene	12.63	178	123311	8.06	ng	99
72) Carbazole	12.85	167	43385	2.95	ng	99
73) Di-n-butylphthalate	13.30	149	5210	Below Cal	#	70
74) Fluoranthene	14.05	202	706925	43.76	ng	99
77) Pyrene	14.32	202	654825	35.51	ng	99
80) Benzo(a)anthracene	15.81	228	446644	26.08	ng	97
82) Chrysene	15.85	228	333612	20.50	ng	97
83) Bis(2-ethylhexyl)phthalate	15.87	149	89617	7.54	ng	99
85) Indeno(1,2,3-cd)pyrene	18.87	276	300644	14.36	ng	95
87) Benzo(b)fluoranthene	17.12	252	721553	40.63	ng	# 96
88) Benzo(k)fluoranthene	17.12	252	721553	45.44	ng	# 95
89) Benzo(a)pyrene	17.50	252	437722	27.36	ng	98
91) Benzo(g,h,i)perylene	19.25	276	281457	16.27	ng	97

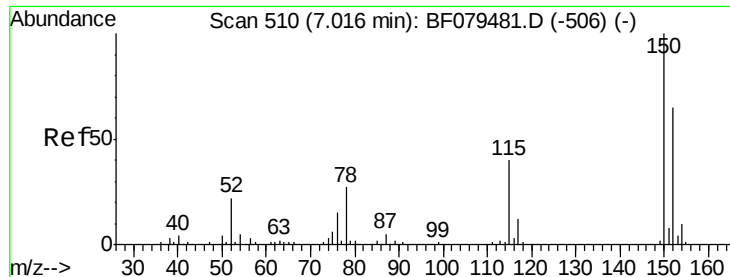
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu May 28 18:41:08 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.96 min Scan# 505

Delta R.T. -0.00 min

Lab File: BF079553.D

Acq: 28 May 2015 19:31

Instrument :

BNA_G

ClientSampleId :

SB-25D

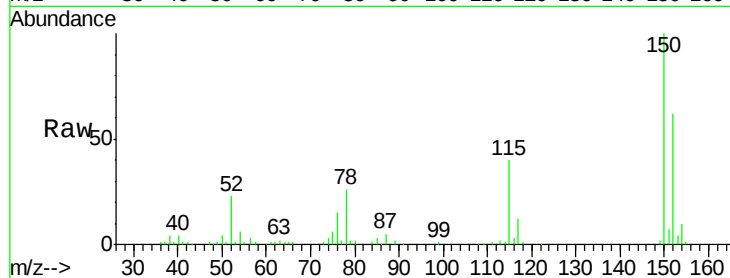
Tgt Ion:152 Resp: 70692

Ion Ratio Lower Upper

152 100

150 160.8 124.0 186.0

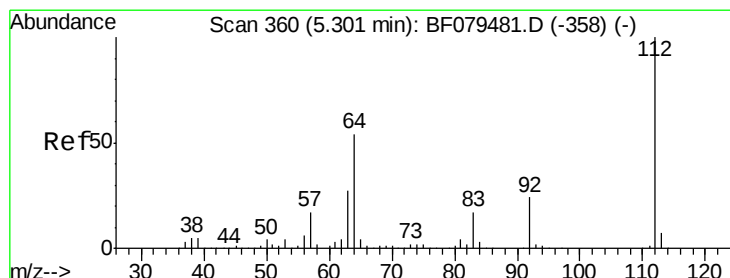
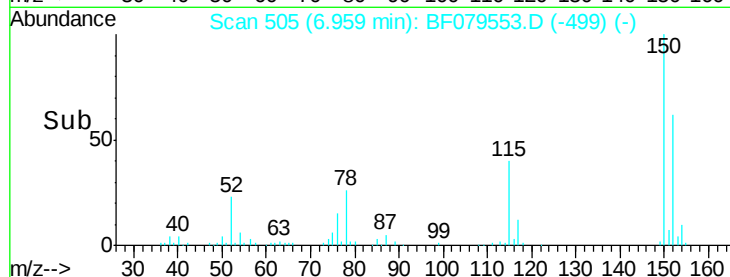
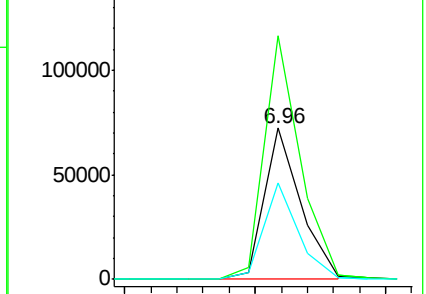
115 64.0 49.6 74.4



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: 73.69 ng

RT: 5.26 min Scan# 356

Delta R.T. 0.02 min

Lab File: BF079553.D

Acq: 28 May 2015 19:31

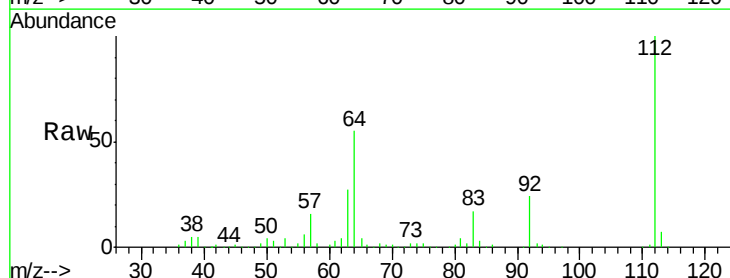
Tgt Ion:112 Resp: 300331

Ion Ratio Lower Upper

112 100

64 54.6 43.5 65.3

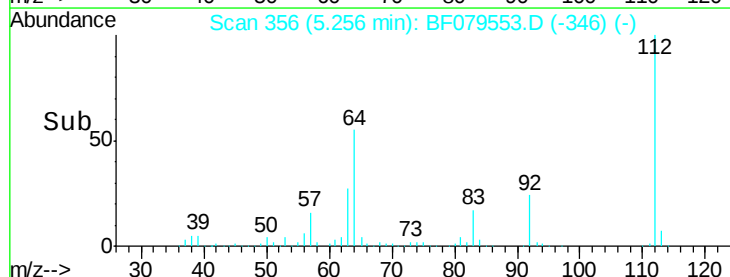
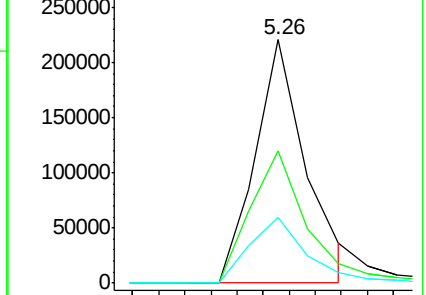
63 27.1 21.8 32.8

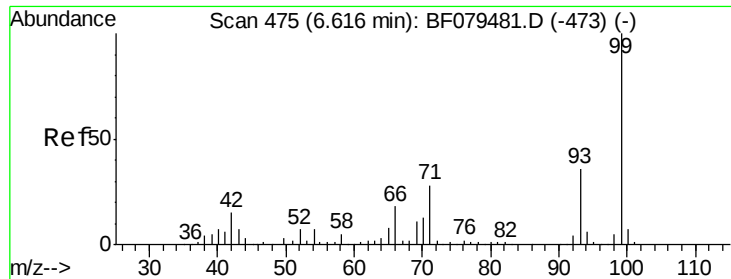


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 83.36 ng

RT: 6.57 min Scan# 471

Delta R.T. 0.01 min

Lab File: BF079553.D

Acq: 28 May 2015 19:31

Instrument :

BNA_G

ClientSampled :

SB-25D

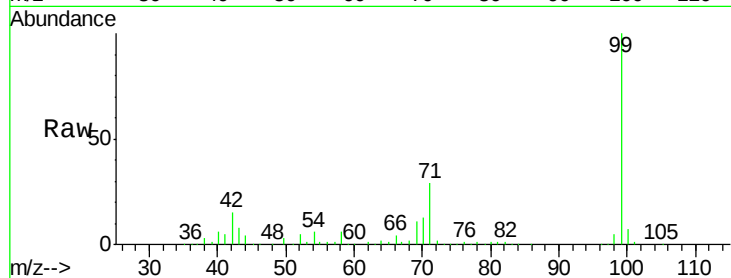
Tgt Ion: 99 Resp: 433075

Ion Ratio Lower Upper

99 100

42 15.4 11.9 17.9

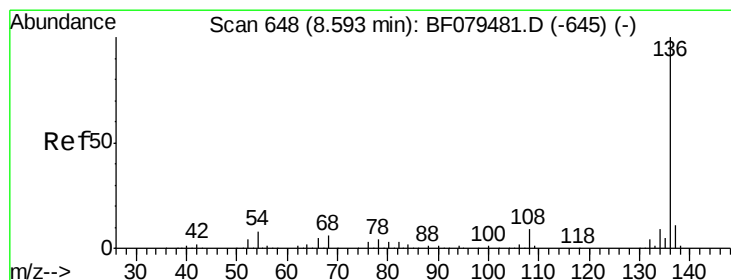
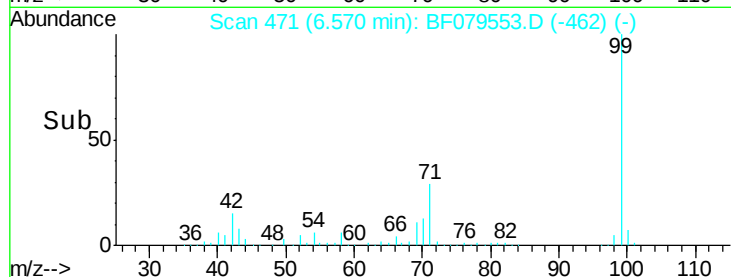
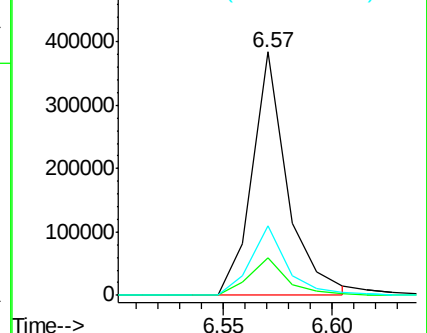
71 28.8 22.1 33.1



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: 8.54 min Scan# 643

Delta R.T. -0.00 min

Lab File: BF079553.D

Acq: 28 May 2015 19:31

Tgt Ion: 136 Resp: 293168

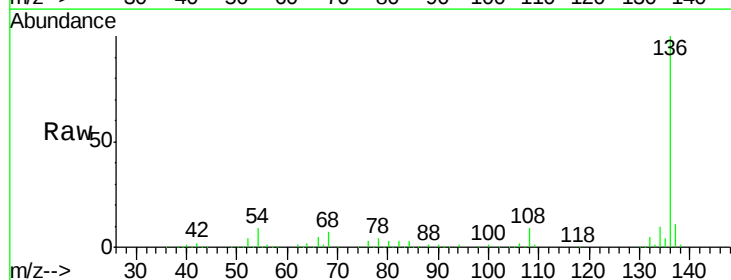
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 8.6 6.6 9.8

68 6.5 4.7 7.1

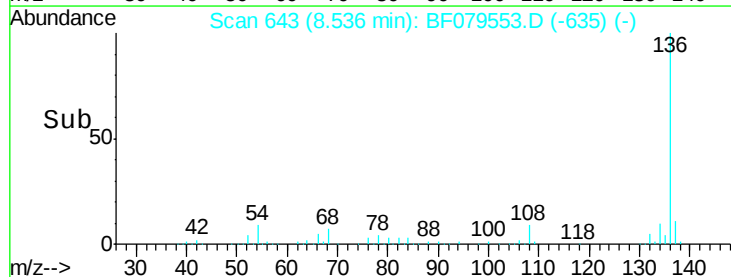
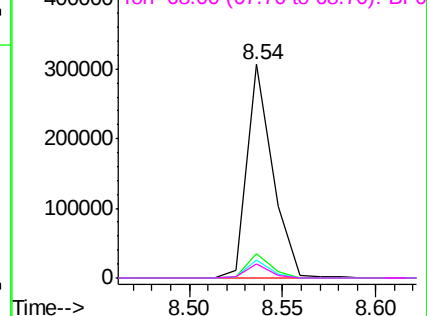


Abundance Ion 136.00 (135.70 to 136.70): E

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

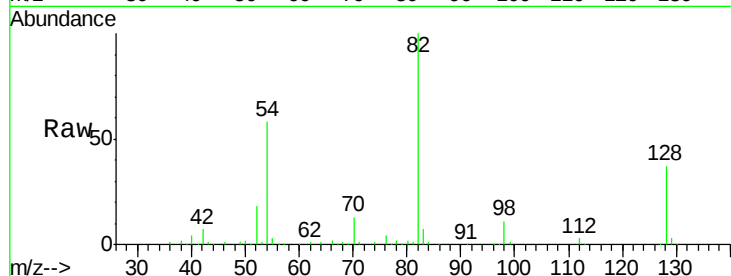




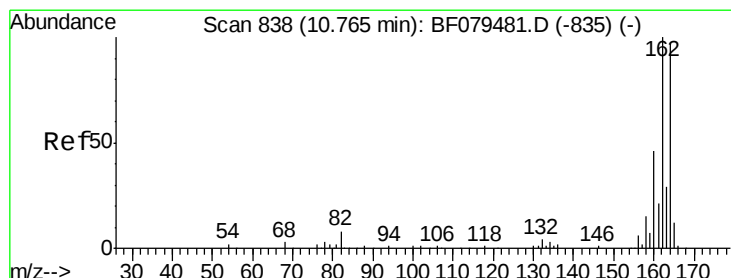
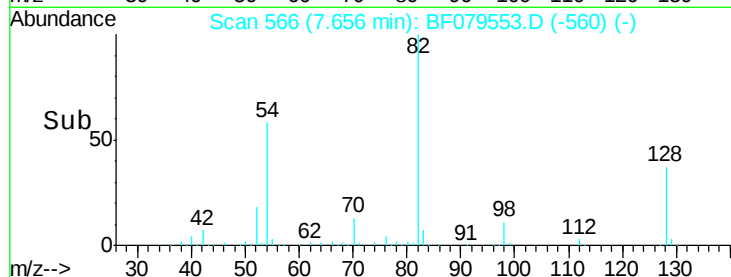
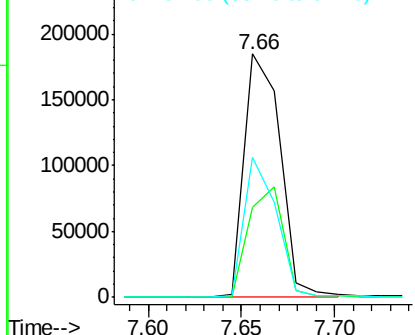
#23
 Nitrobenzene-d5
 Concen: 48.72 ng
 RT: 7.66 min Scan# 566
 Delta R.T. -0.01 min
 Lab File: BF079553.D
 Acq: 28 May 2015 19:31

Instrument :
 BNA_G
 ClientSampleID :
 SB-25D

Tgt Ion: 82 Resp: 247106
 Ion Ratio Lower Upper
 82 100
 128 36.8 30.8 46.2
 54 57.6 42.8 64.2

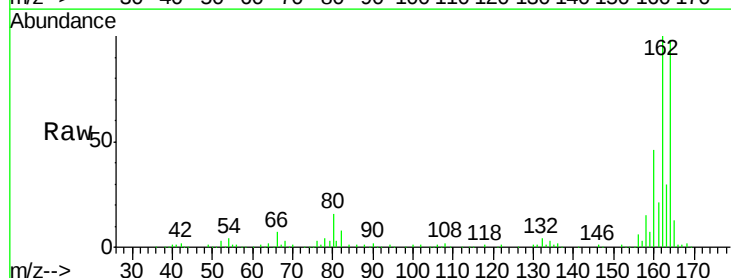


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

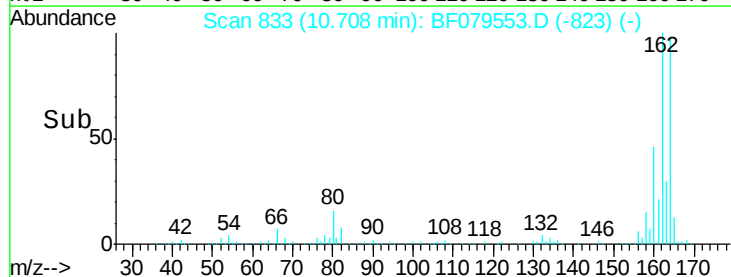
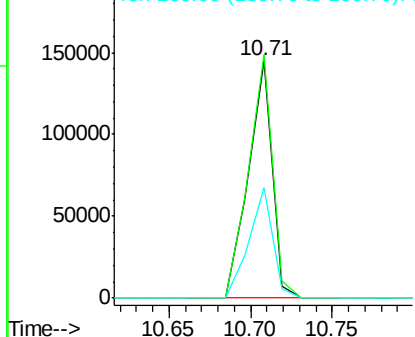


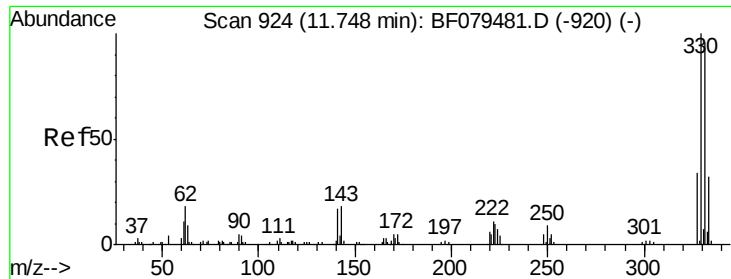
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.71 min Scan# 833
 Delta R.T. -0.00 min
 Lab File: BF079553.D
 Acq: 28 May 2015 19:31

Tgt Ion: 164 Resp: 146677
 Ion Ratio Lower Upper
 164 100
 162 102.4 82.6 124.0
 160 46.6 37.7 56.5



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

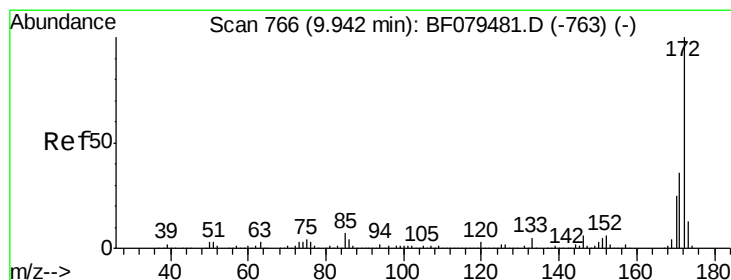
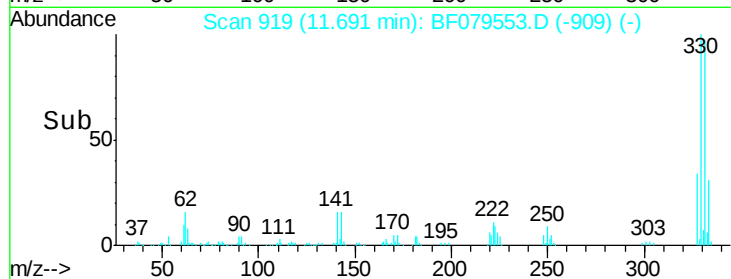
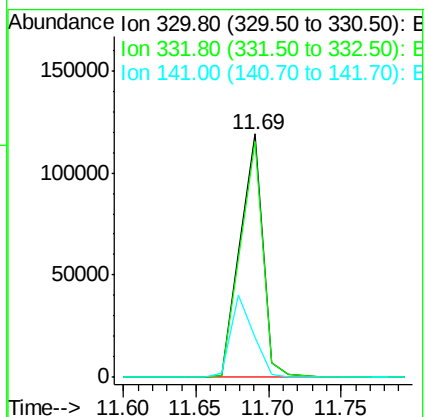
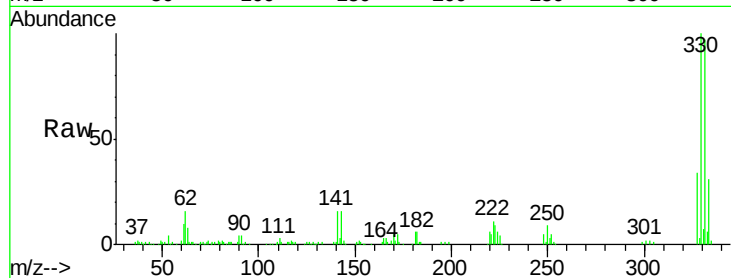




#41
 2,4,6-Tribromophenol
 Concen: 81.41 ng
 RT: 11.69 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: BF079553.D
 Acq: 28 May 2015 19:31

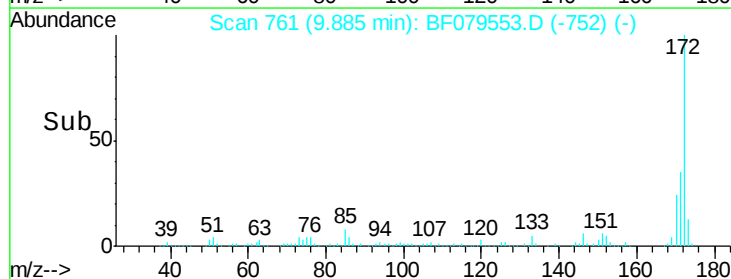
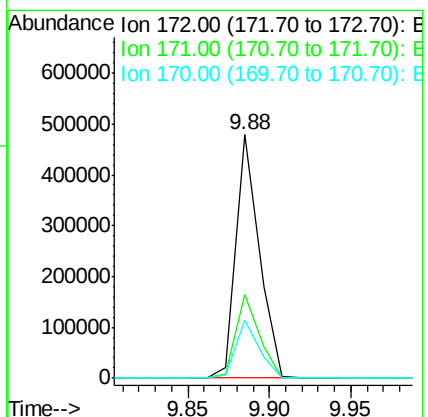
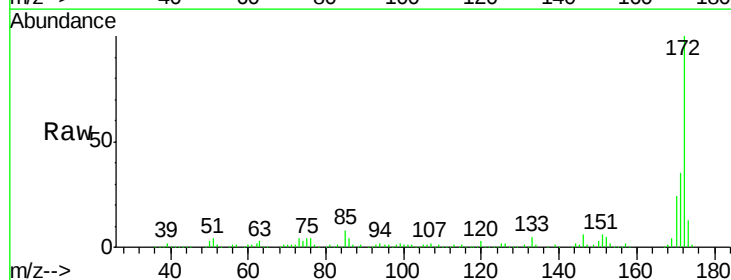
Instrument :
 BNA_G
 ClientSampleId :
 SB-25D

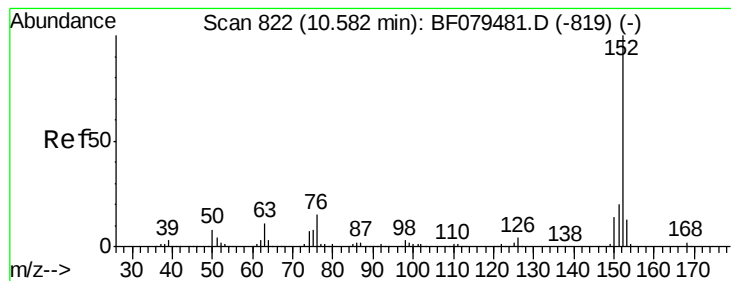
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.0	0.0	0.0#
141	33.7	0.0	0.0#



#44
 2-Fluorobiphenyl
 Concen: 45.81 ng
 RT: 9.88 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: BF079553.D
 Acq: 28 May 2015 19:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	28.5	42.7
170	24.0	19.7	29.5





#48

Acenaphthylene

Concen: 2.25 ng

RT: 10.54 min Scan# 818

Delta R.T. -0.00 min

Lab File: BF079553.D

Acq: 28 May 2015 19:31

Instrument :

BNA_G

ClientSampleId :

SB-25D

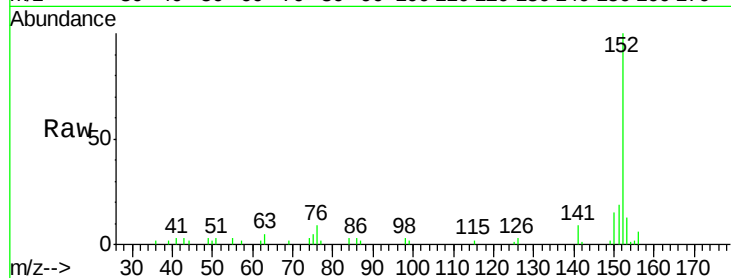
Tgt Ion:152 Resp: 33824

Ion Ratio Lower Upper

152 100

151 19.4 15.8 23.8

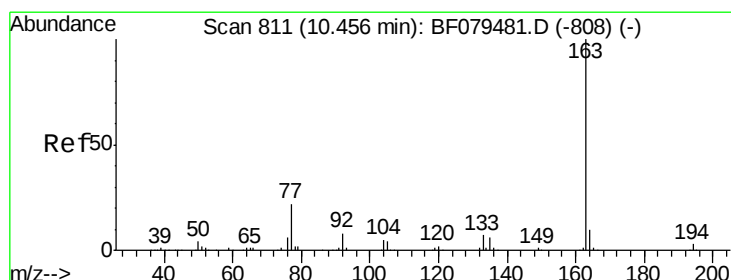
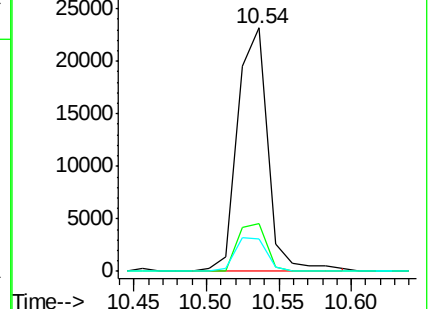
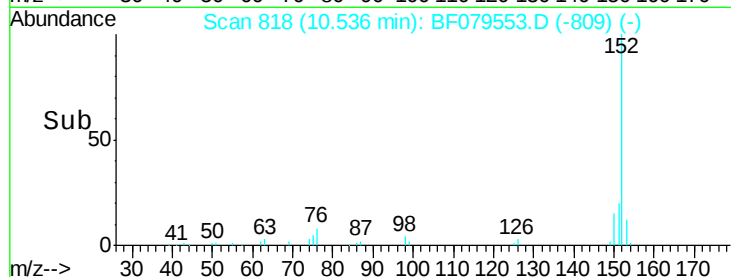
153 13.5 10.7 16.1



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 11.15 ng

RT: 10.40 min Scan# 806

Delta R.T. -0.01 min

Lab File: BF079553.D

Acq: 28 May 2015 19:31

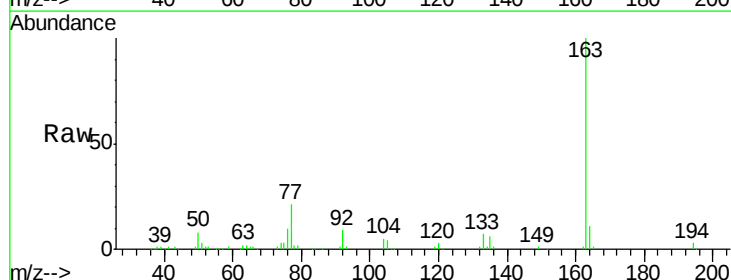
Tgt Ion:163 Resp: 120499

Ion Ratio Lower Upper

163 100

194 3.3 2.4 3.6

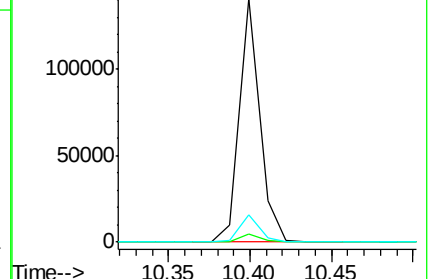
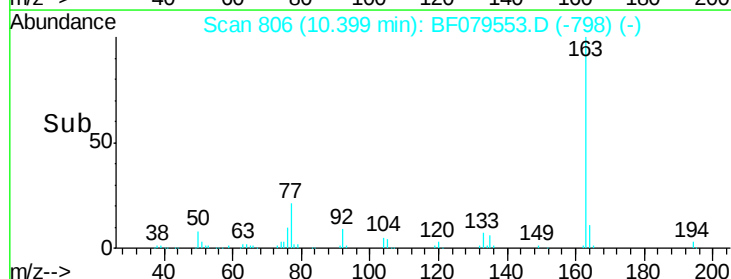
164 11.1 8.2 12.4

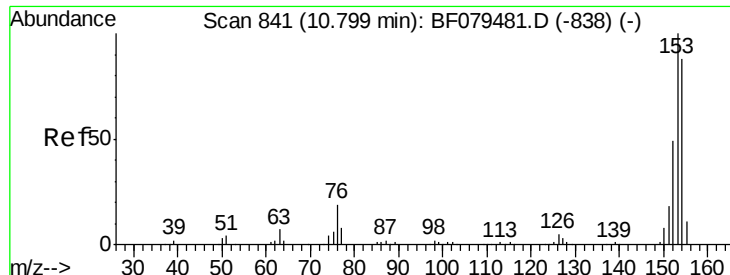


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 3.32 ng

RT: 10.74 min Scan# 836

Delta R.T. -0.00 min

Lab File: BF079553.D

Acq: 28 May 2015 19:31

Instrument :

BNA_G

ClientSampleId :

SB-25D

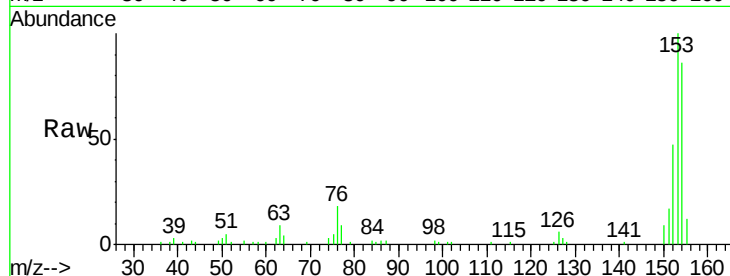
Tgt Ion:154 Resp: 28541

Ion Ratio Lower Upper

154 100

153 116.1 91.1 136.7

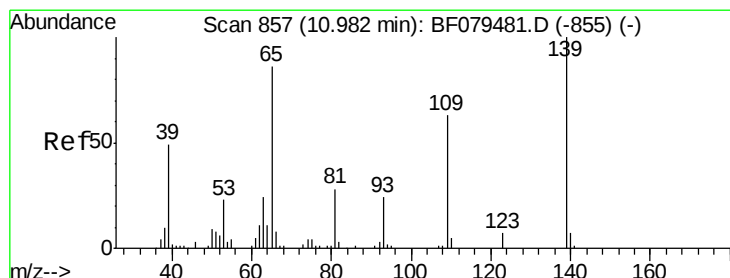
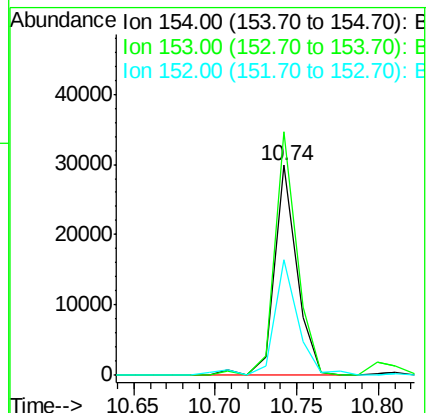
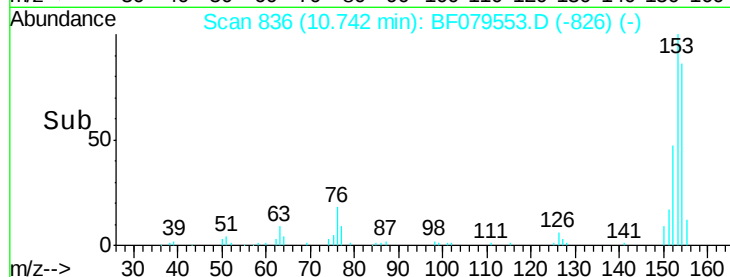
152 54.9 44.6 66.8



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

4-Nitrophenol

Concen: 4.99 ng

RT: 10.96 min Scan# 855

Delta R.T. 0.03 min

Lab File: BF079553.D

Acq: 28 May 2015 19:31

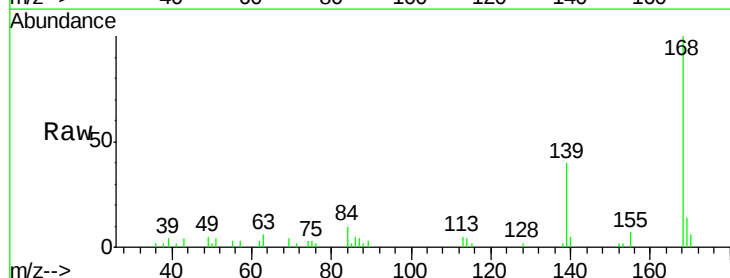
Tgt Ion:139 Resp: 7775

Ion Ratio Lower Upper

139 100

109 0.0 42.8 82.8#

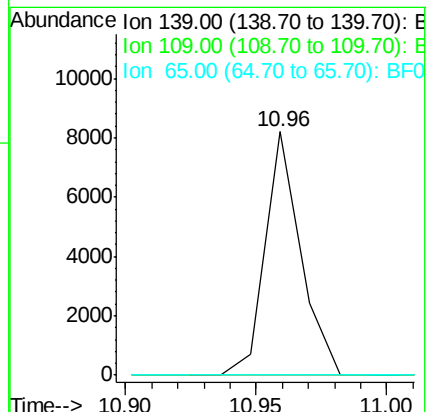
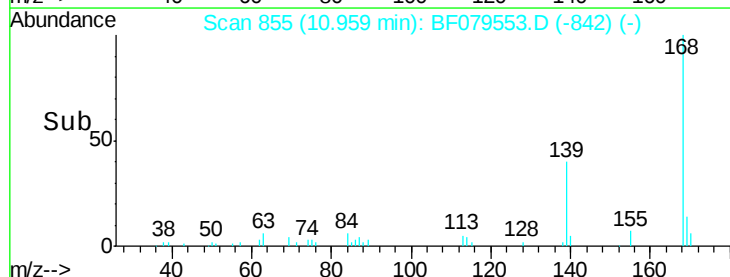
65 0.0 66.3 106.3#

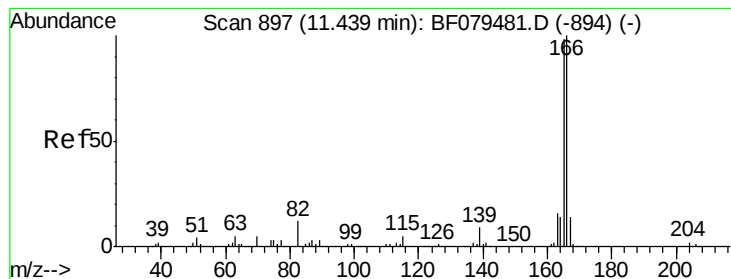


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#57

Fluorene

Concen: 2.79 ng

RT: 11.38 min Scan# 892

Delta R.T. -0.00 min

Lab File: BF079553.D

Acq: 28 May 2015 19:31

Instrument :

BNA_G

ClientSampleId :

SB-25D

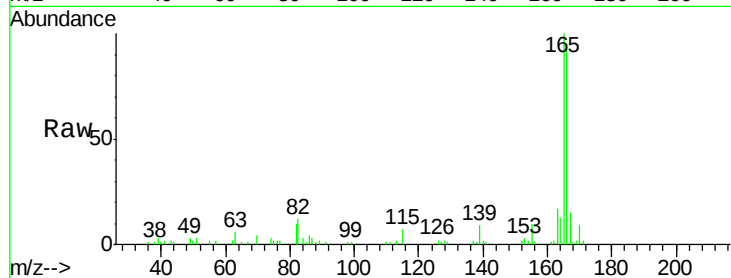
Tgt Ion:166 Resp: 29091

Ion Ratio Lower Upper

166 100

165 104.8 78.6 117.8

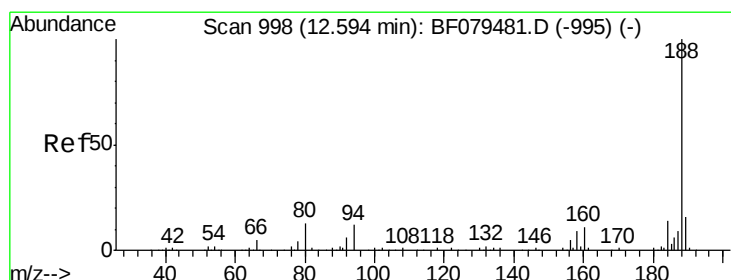
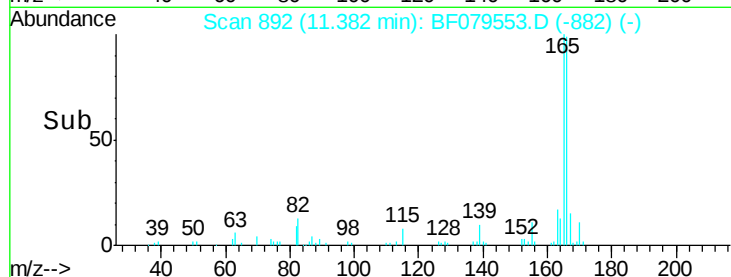
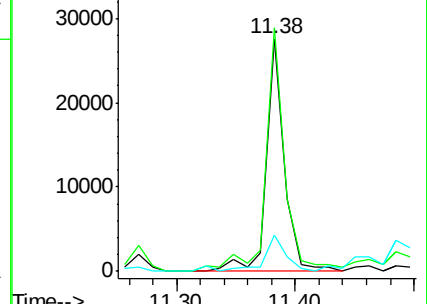
167 15.4 10.8 16.2



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.54 min Scan# 993

Delta R.T. -0.00 min

Lab File: BF079553.D

Acq: 28 May 2015 19:31

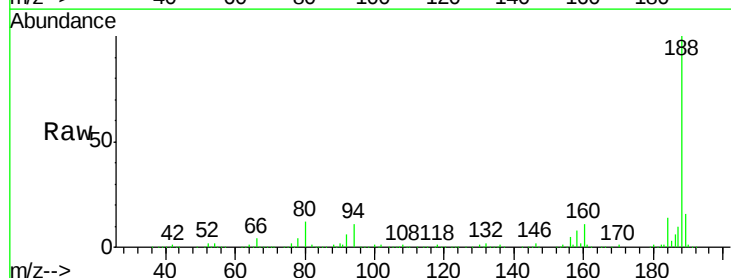
Tgt Ion:188 Resp: 274569

Ion Ratio Lower Upper

188 100

94 11.4 9.8 14.6

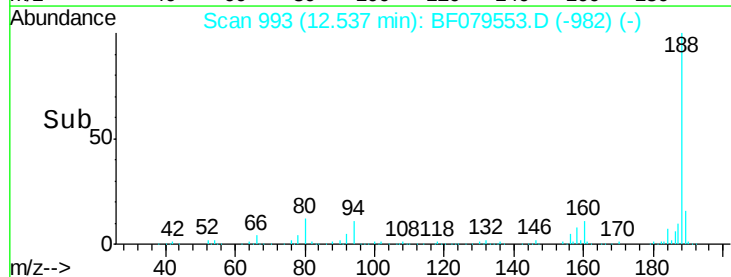
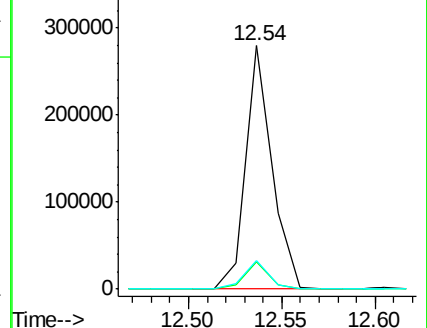
80 11.7 10.5 15.7

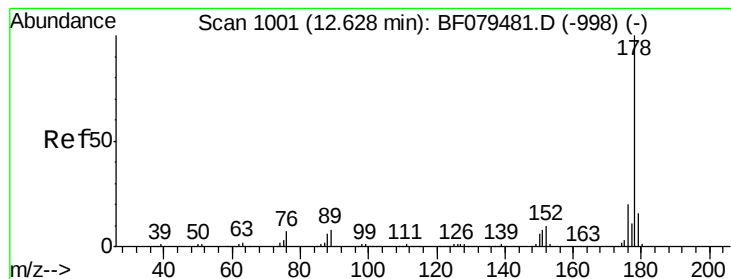


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 27.22 ng

RT: 12.57 min Scan# 996

Delta R.T. -0.00 min

Lab File: BF079553.D

Acq: 28 May 2015 19:31

Instrument :

BNA_G

ClientSampled :

SB-25D

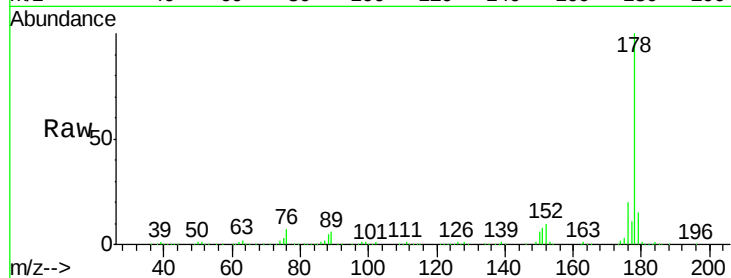
Tgt Ion:178 Resp: 410079

Ion Ratio Lower Upper

178 100

176 19.6 15.7 23.5

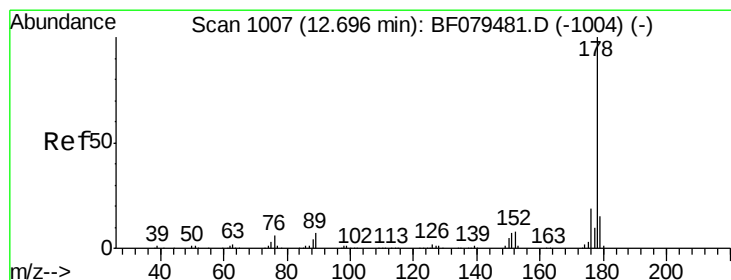
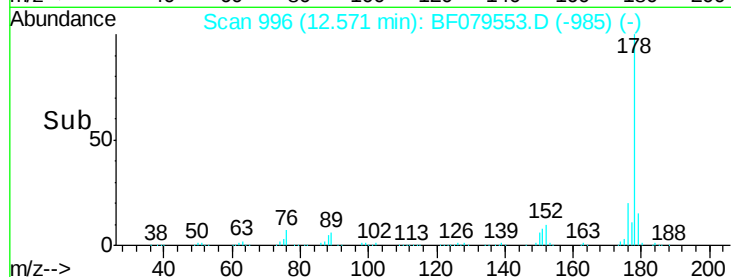
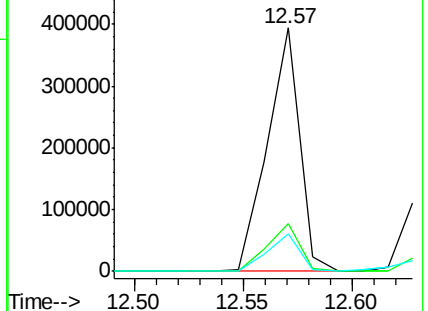
179 15.3 12.4 18.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 8.06 ng

RT: 12.63 min Scan# 1001

Delta R.T. -0.00 min

Lab File: BF079553.D

Acq: 28 May 2015 19:31

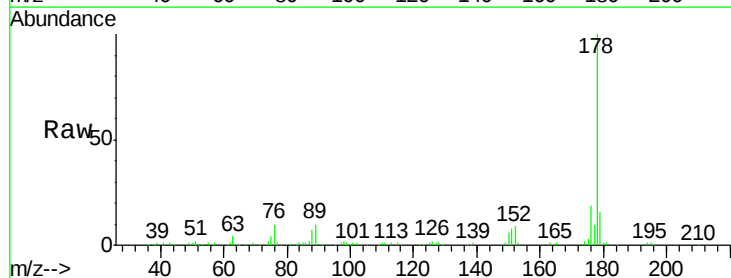
Tgt Ion:178 Resp: 123311

Ion Ratio Lower Upper

178 100

176 18.6 15.3 22.9

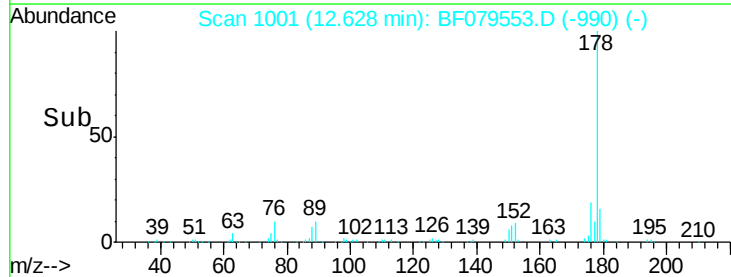
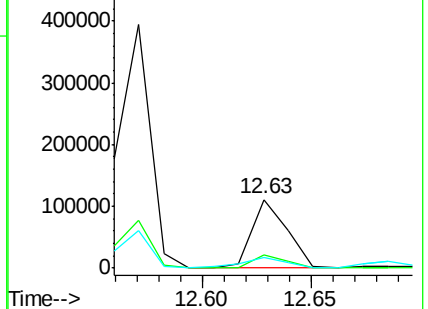
179 15.5 12.2 18.4

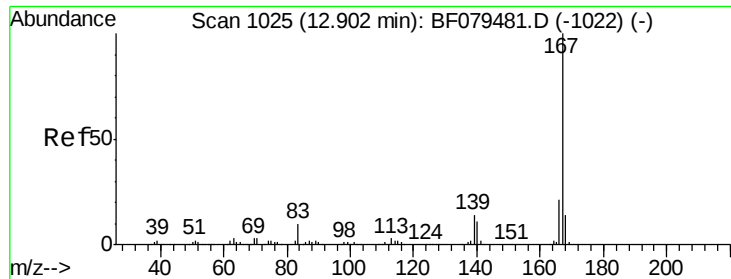


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

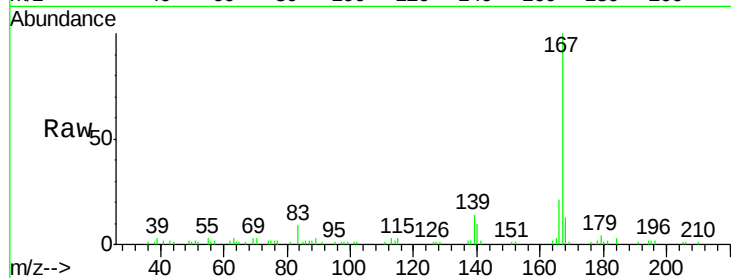




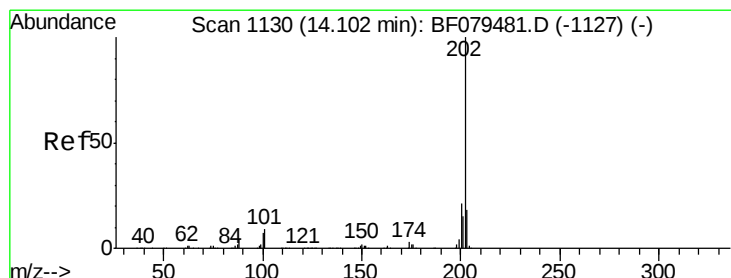
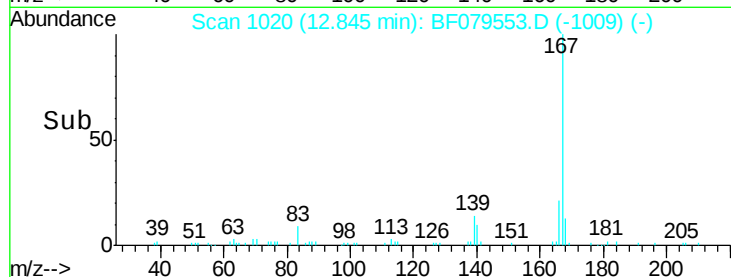
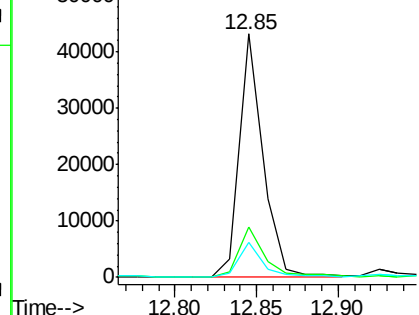
#72
 Carbazole
 Concen: 2.95 ng
 RT: 12.85 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: BF079553.D
 Acq: 28 May 2015 19:31

Instrument :
 BNA_G
 ClientSampleId :
 SB-25D

Tgt Ion	Ratio	Lower	Upper
167	100		
166	20.5	17.0	25.4
139	14.3	11.2	16.8

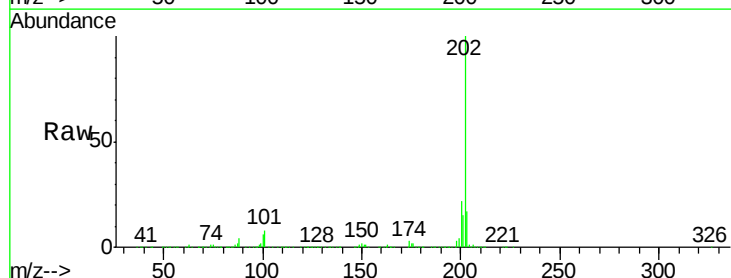


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

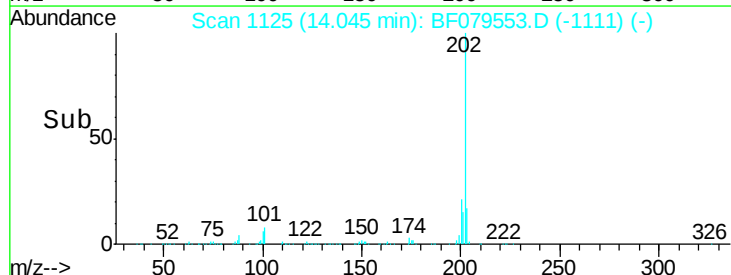
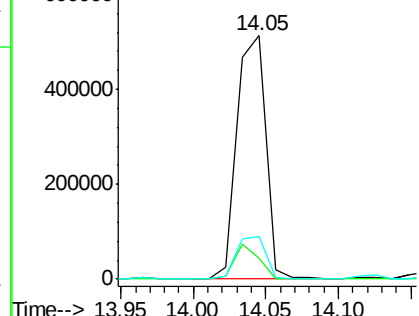


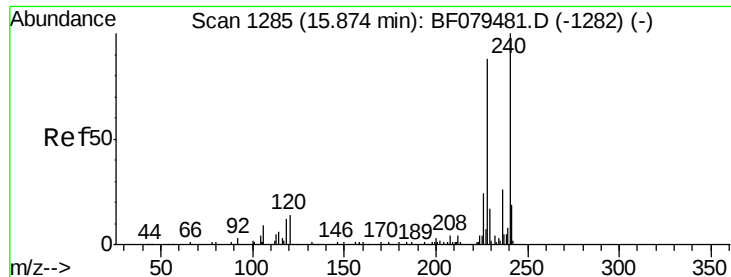
#74
 Fluoranthene
 Concen: 43.76 ng
 RT: 14.05 min Scan# 1125
 Delta R.T. 0.01 min
 Lab File: BF079553.D
 Acq: 28 May 2015 19:31

Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.4	0.0	29.3
203	17.4	0.0	37.6



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: 15.82 min Scan# 1280

Delta R.T. -0.02 min

Lab File: BF079553.D

Acq: 28 May 2015 19:31

Instrument :

BNA_G

ClientSampleId :

SB-25D

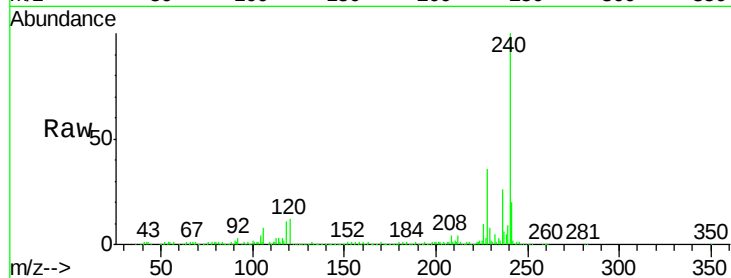
Tgt Ion:240 Resp: 297655

Ion Ratio Lower Upper

240 100

120 12.2 10.8 16.2

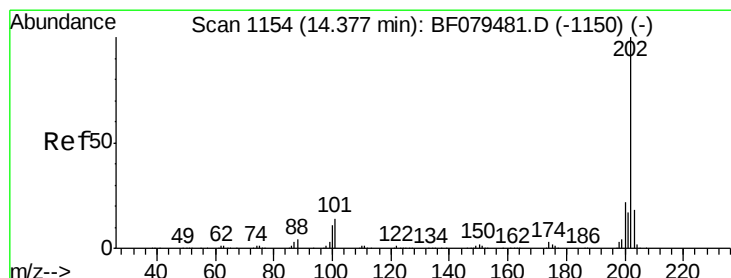
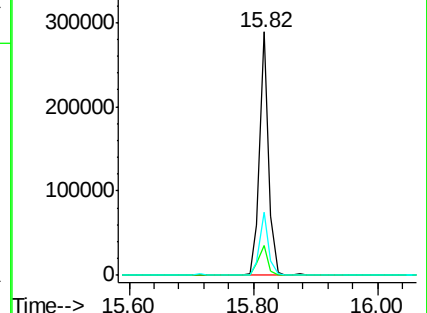
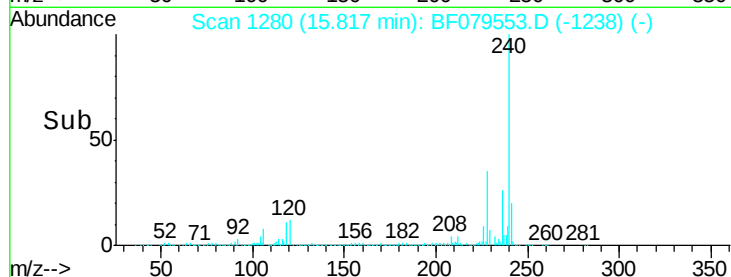
236 26.0 21.0 31.6



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: 35.51 ng

RT: 14.32 min Scan# 1149

Delta R.T. -0.00 min

Lab File: BF079553.D

Acq: 28 May 2015 19:31

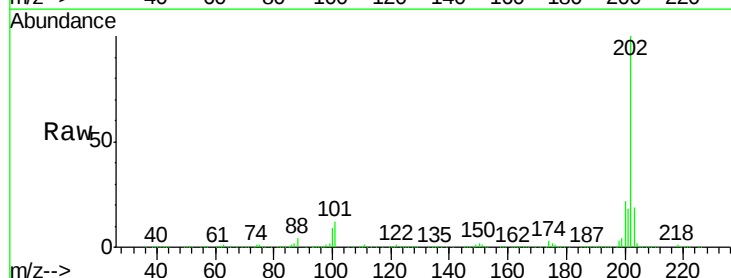
Tgt Ion:202 Resp: 654825

Ion Ratio Lower Upper

202 100

200 22.4 17.5 26.3

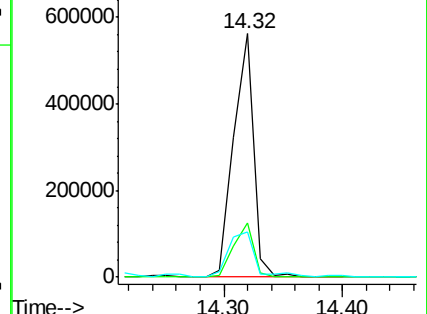
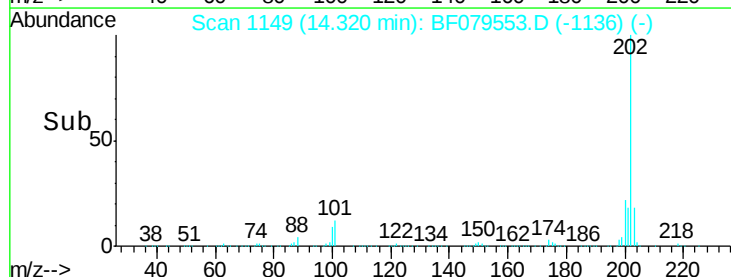
203 18.6 14.4 21.6

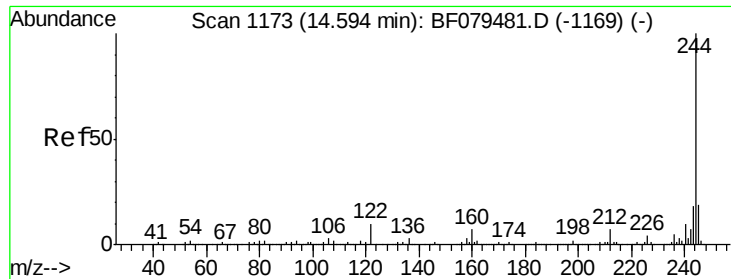


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

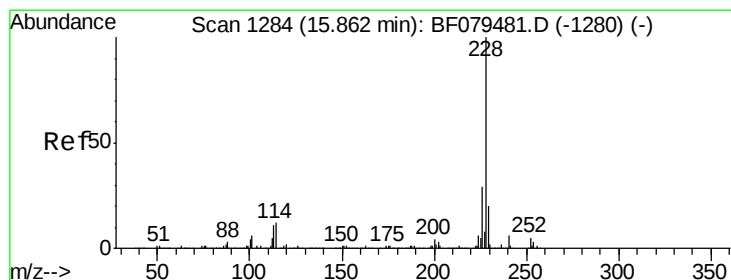
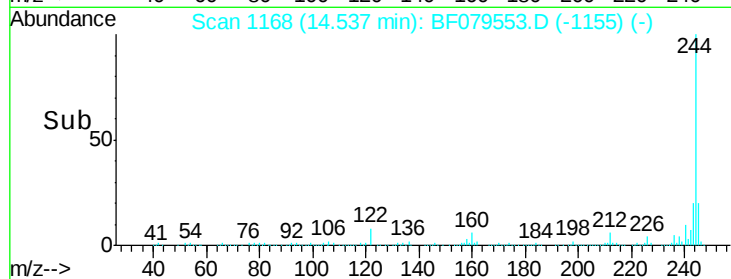
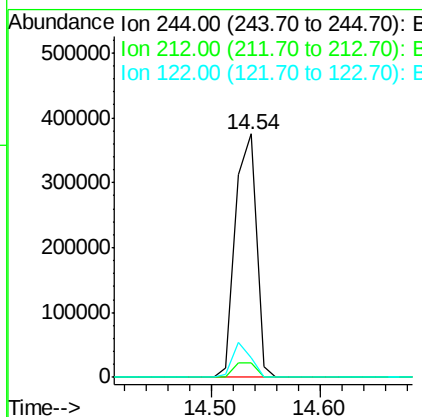
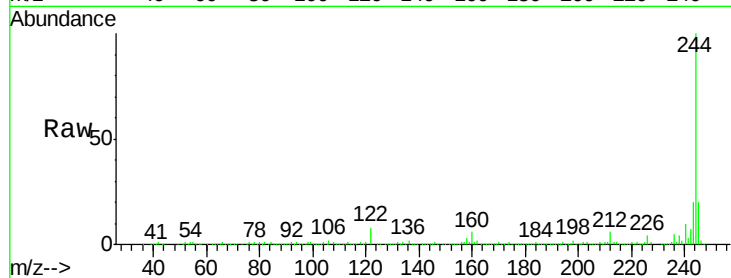




#78
 Terphenyl-d14
 Concen: 39.02 ng
 RT: 14.54 min Scan# 1168
 Delta R.T. -0.00 min
 Lab File: BF079553.D
 Acq: 28 May 2015 19:31

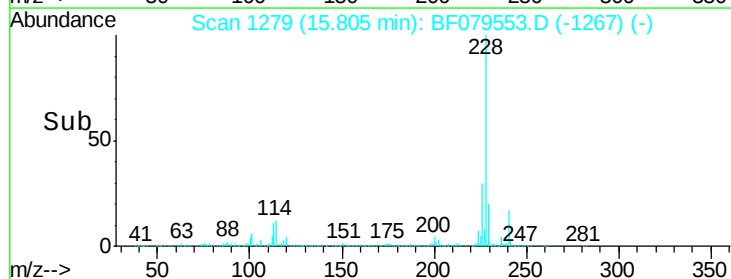
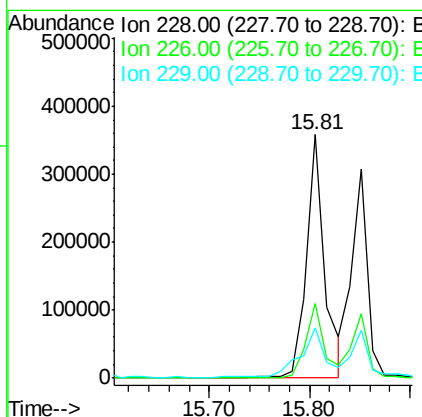
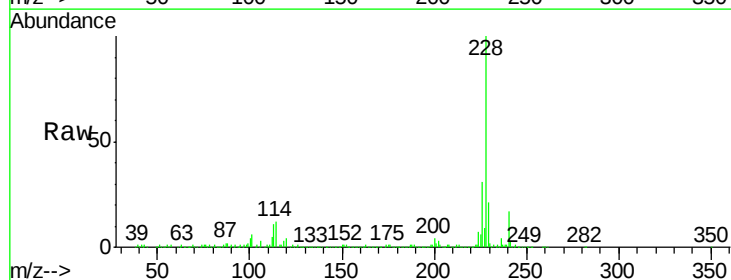
Instrument :
 BNA_G
 ClientSampleId :
 SB-25D

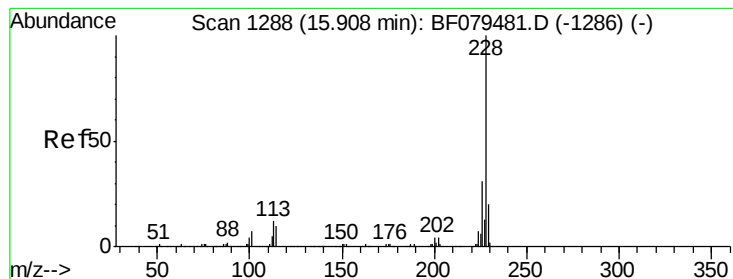
Tgt Ion:244 Resp: 494862
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.2 7.8
 122 8.2 8.0 12.0



#80
 Benzo(a)anthracene
 Concen: 26.08 ng
 RT: 15.81 min Scan# 1279
 Delta R.T. -0.02 min
 Lab File: BF079553.D
 Acq: 28 May 2015 19:31

Tgt Ion:228 Resp: 446644
 Ion Ratio Lower Upper
 228 100
 226 30.6 22.8 34.2
 229 20.7 15.9 23.9





#82

Chrysene

Concen: 20.50 ng

RT: 15.85 min Scan# 1283

Delta R.T. -0.02 min

Lab File: BF079553.D

Acq: 28 May 2015 19:31

Instrument :

BNA_G

ClientSampleId :

SB-25D

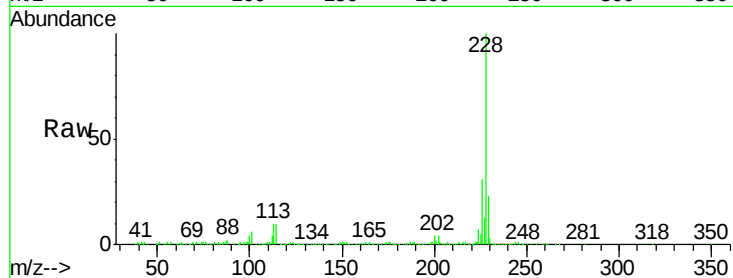
Tgt Ion:228 Resp: 333612

Ion Ratio Lower Upper

228 100

226 30.8 25.0 37.4

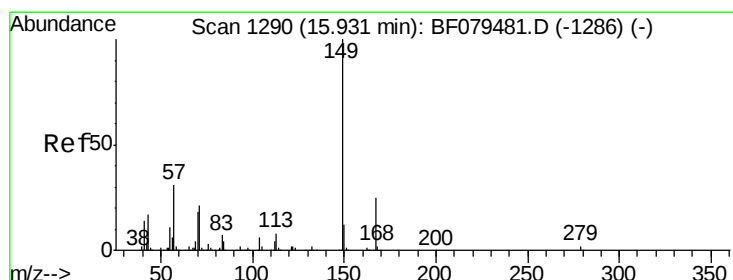
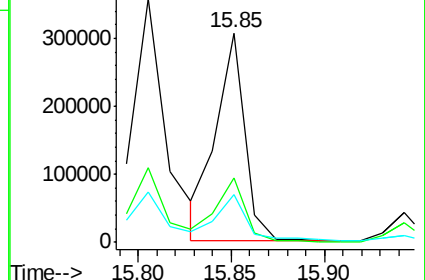
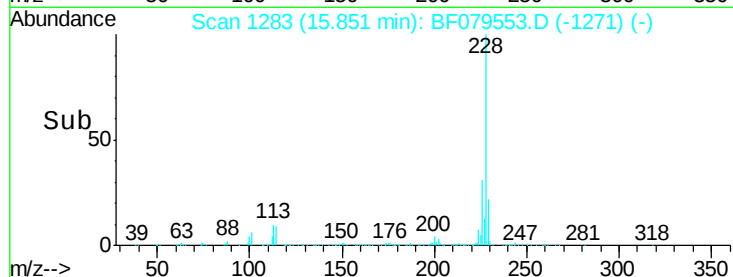
229 22.9 15.9 23.9



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: 7.54 ng

RT: 15.87 min Scan# 1285

Delta R.T. -0.03 min

Lab File: BF079553.D

Acq: 28 May 2015 19:31

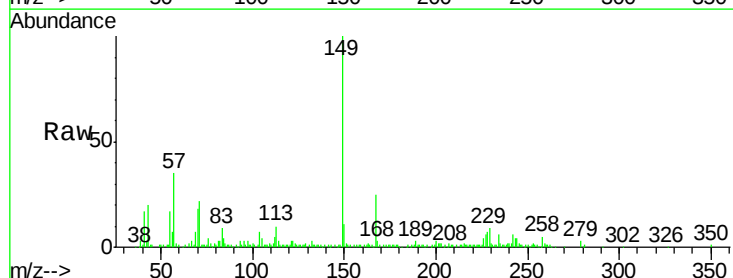
Tgt Ion:149 Resp: 89617

Ion Ratio Lower Upper

149 100

167 24.8 20.2 30.4

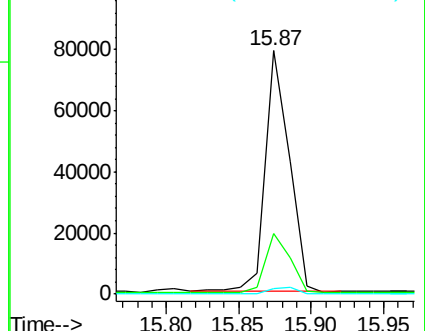
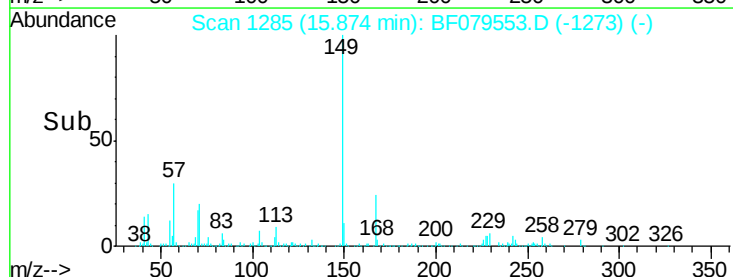
279 2.5 2.0 3.0

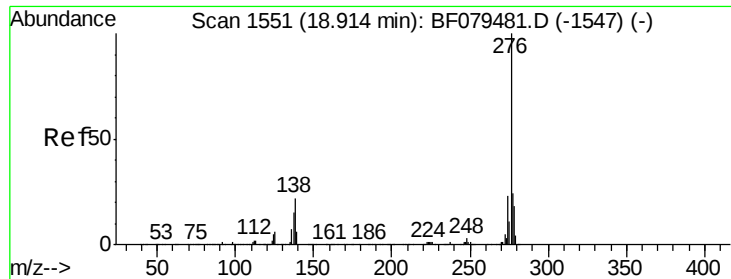


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

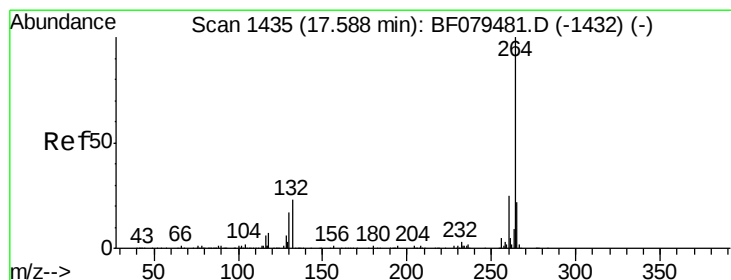
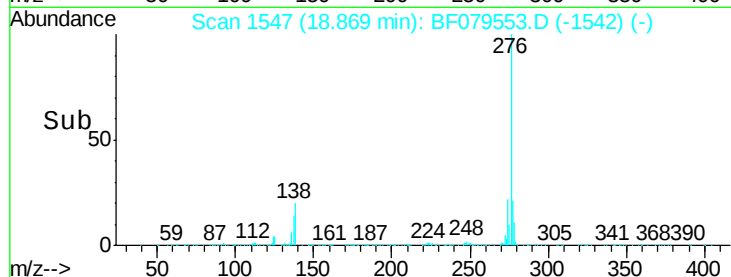
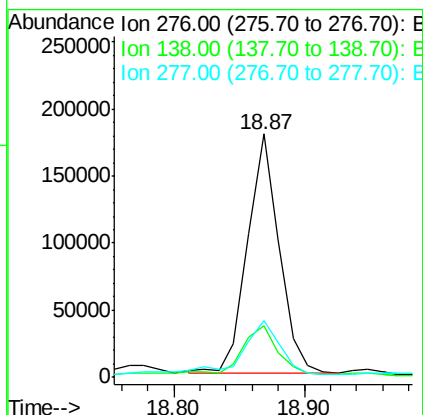
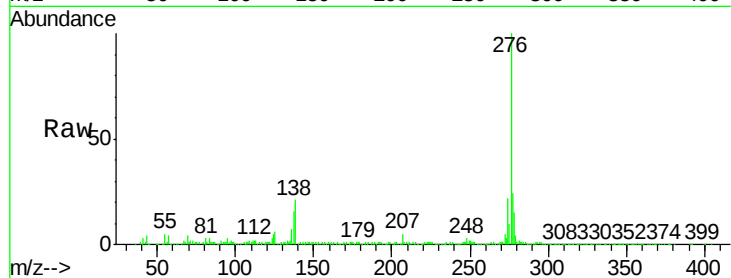




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 14.36 ng
 RT: 18.87 min Scan# 1547
 Delta R.T. -0.15 min
 Lab File: BF079553.D
 Acq: 28 May 2015 19:31

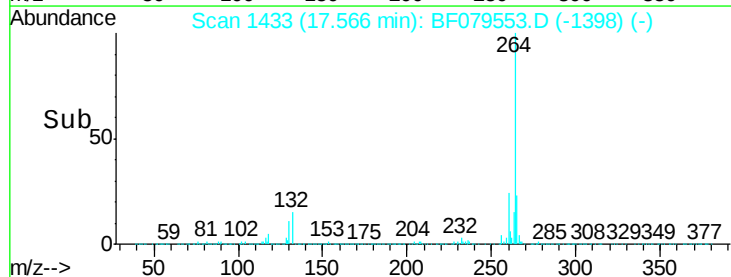
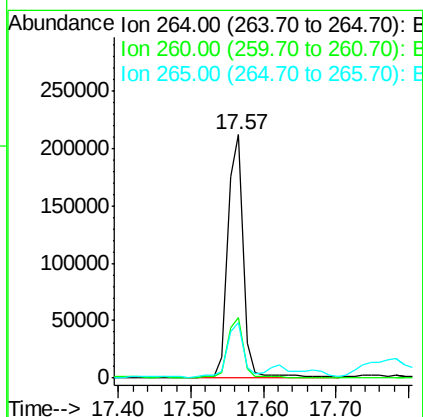
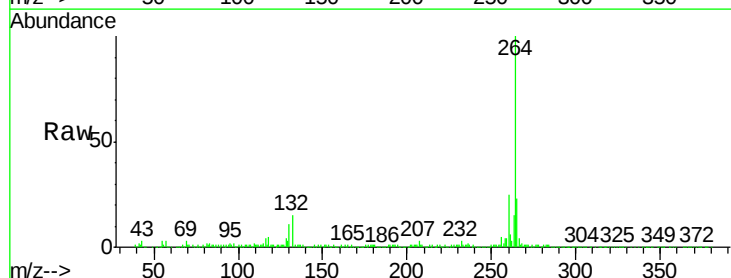
Instrument :
 BNA_G
 ClientSampleId :
 SB-25D

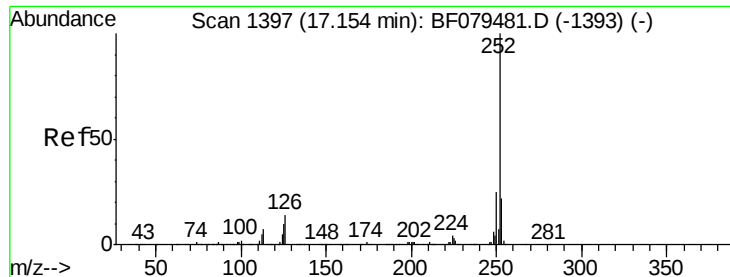
Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.9	21.4	32.2
277	26.0	19.8	29.6



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.57 min Scan# 1433
 Delta R.T. -0.10 min
 Lab File: BF079553.D
 Acq: 28 May 2015 19:31

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.8	29.8
265	23.0	17.8	26.6





#87

Benzo(b)fluoranthene

Concen: 40.63 ng

RT: 17.12 min Scan# 1394

Delta R.T. -0.08 min

Lab File: BF079553.D

Acq: 28 May 2015 19:31

Instrument :

BNA_G

ClientSampleId :

SB-25D

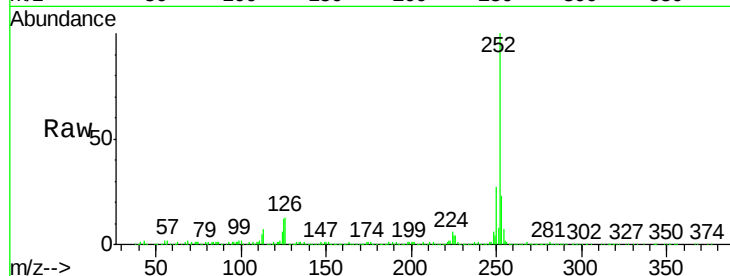
Tgt Ion:252 Resp: 721553

Ion Ratio Lower Upper

252 100

253 23.2 17.6 26.4

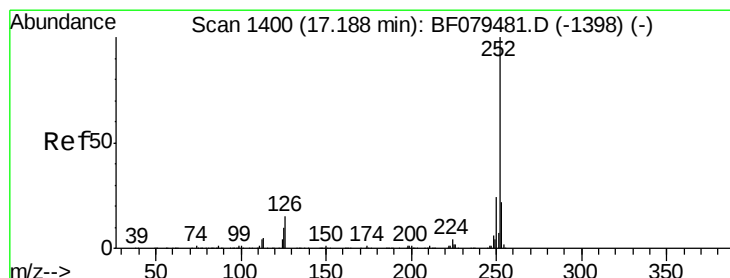
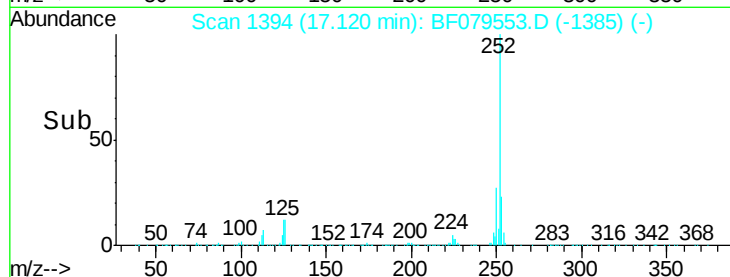
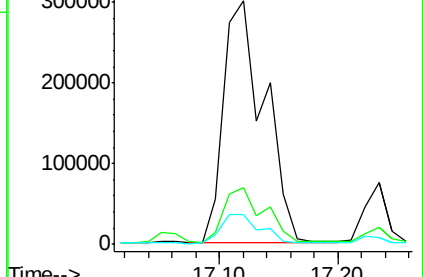
125 12.1 7.8 11.6#



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: 45.44 ng

RT: 17.12 min Scan# 1394

Delta R.T. -0.11 min

Lab File: BF079553.D

Acq: 28 May 2015 19:31

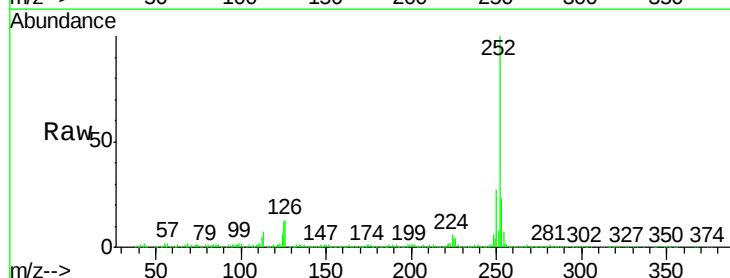
Tgt Ion:252 Resp: 721553

Ion Ratio Lower Upper

252 100

253 23.2 17.2 25.8

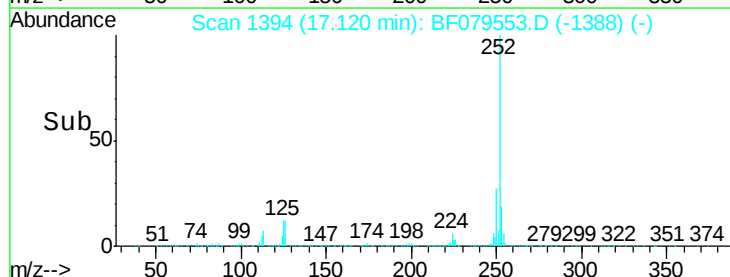
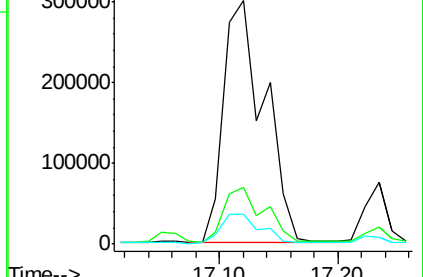
125 12.1 6.8 10.2#

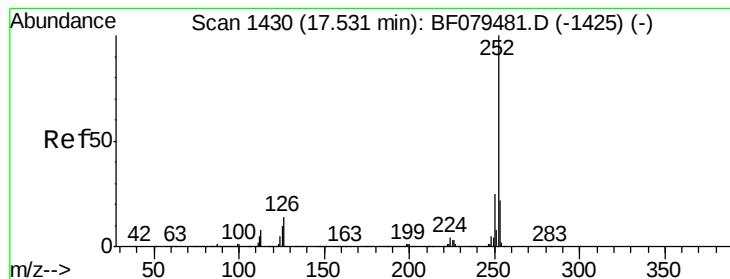


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 27.36 ng

RT: 17.50 min Scan# 1427

Delta R.T. -0.11 min

Lab File: BF079553.D

Acq: 28 May 2015 19:31

Instrument :

BNA_G

ClientSampleId :

SB-25D

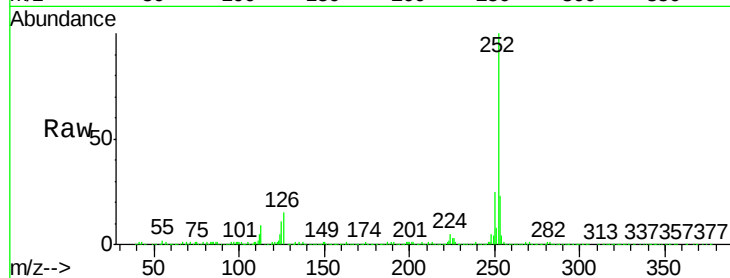
Tgt Ion:252 Resp: 437722

Ion Ratio Lower Upper

252 100

253 23.1 17.8 26.8

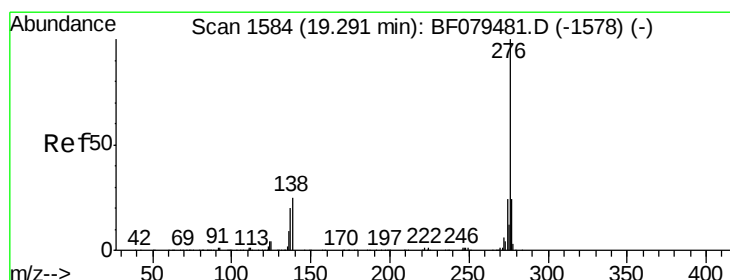
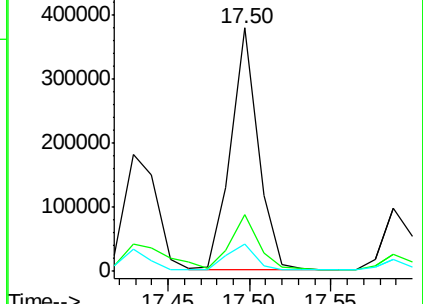
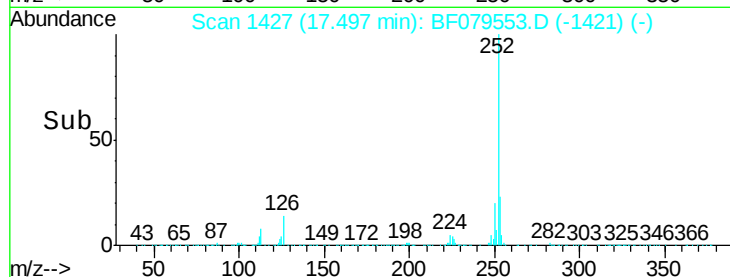
125 11.2 7.9 11.9



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: 16.27 ng

RT: 19.25 min Scan# 1580

Delta R.T. -0.16 min

Lab File: BF079553.D

Acq: 28 May 2015 19:31

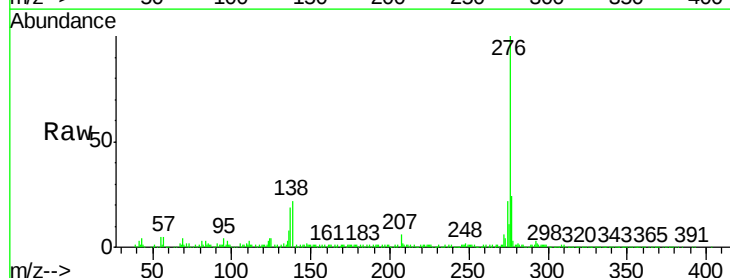
Tgt Ion:276 Resp: 281457

Ion Ratio Lower Upper

276 100

277 24.0 19.1 28.7

138 22.4 20.1 30.1



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

