

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042015\
 Data File : BF078668.D
 Acq On : 21 Apr 2015 5:23
 Operator : TP/IZ
 Sample : G1943-02 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-A-2

Quant Time: Apr 21 06:12:01 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 21 03:43:19 2015
 Response via : Initial Calibration

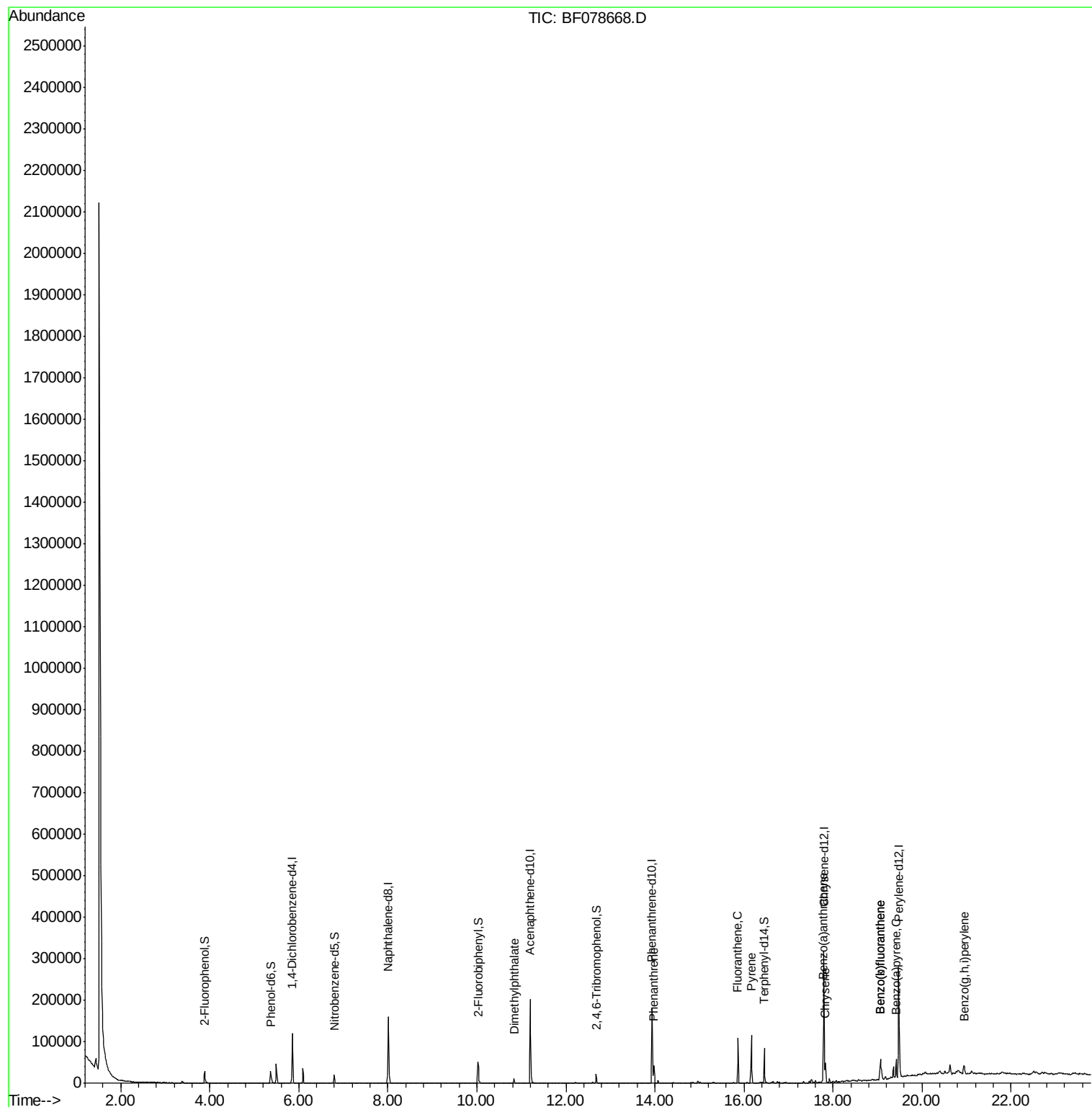
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.85	152	29007	20.00	ng	-0.01
21) Naphthalene-d8	8.01	136	120426	20.00	ng	-0.01
38) Acenaphthene-d10	11.20	164	61246	20.00	ng	-0.01
63) Phenanthrene-d10	13.93	188	119500	20.00	ng	-0.01
75) Chrysene-d12	17.79	240	123151	20.00	ng	-0.01
86) Perylene-d12	19.47	264	120337	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	3.88	112	15818	8.99	ng	0.01
7) Phenol-d6	5.37	99	20680	9.38	ng	0.01
23) Nitrobenzene-d5	6.80	82	12381	6.23	ng	0.00
41) 2,4,6-Tribromophenol	12.67	330	4810	9.47	ng	-0.01
44) 2-Fluorobiphenyl	10.02	172	29379	6.86	ng	-0.01
78) Terphenyl-d14	16.46	244	34910	6.41	ng	-0.01
Target Compounds						
49) Dimethylphthalate	10.83	163	8565	1.86	ng	Qvalue # 97
70) Phenanthrene	13.98	178	25739	3.72	ng	98
74) Fluoranthene	15.86	202	59416	8.15	ng	92
77) Pyrene	16.17	202	53248	6.89	ng	97
80) Benzo(a)anthracene	17.78	228	28016	3.82	ng	98
82) Chrysene	17.83	228	21228	3.08	ng	97
87) Benzo(b)fluoranthene	19.06	252	41453	5.57	ng	# 92
88) Benzo(k)fluoranthene	19.06	252	41675	6.31	ng	97
89) Benzo(a)pyrene	19.42	252	21554	3.32	ng	# 93
91) Benzo(g,h,i)perylene	20.94	276	14367	2.21	ng	96

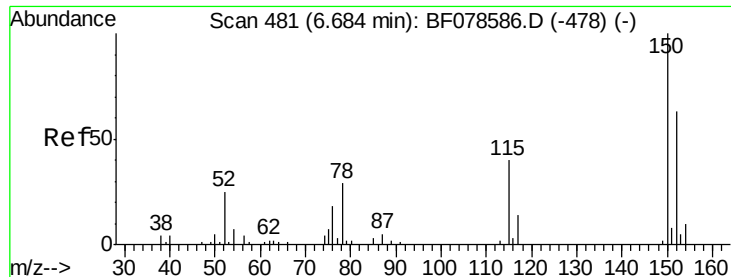
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
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QLast Update : Tue Apr 21 03:43:19 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.85 min Scan# 408

Delta R.T. -0.01 min

Lab File: BF078668.D

Acq: 21 Apr 2015 5:23

Instrument :

BNA_F

ClientSampleId :

SP-A-2

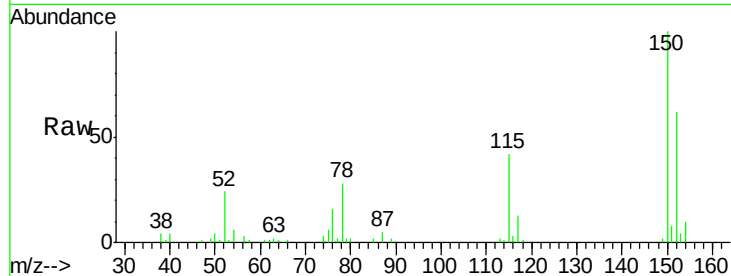
Tgt Ion:152 Resp: 29007

Ion Ratio Lower Upper

152 100

150 162.0 125.9 188.9

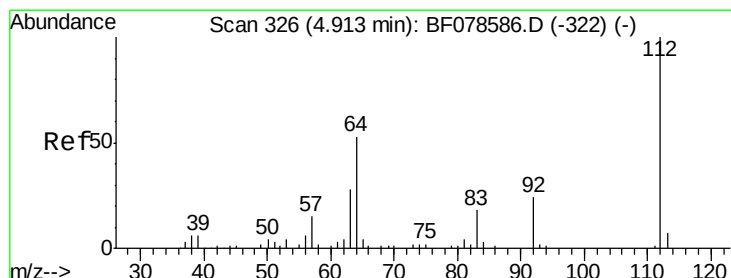
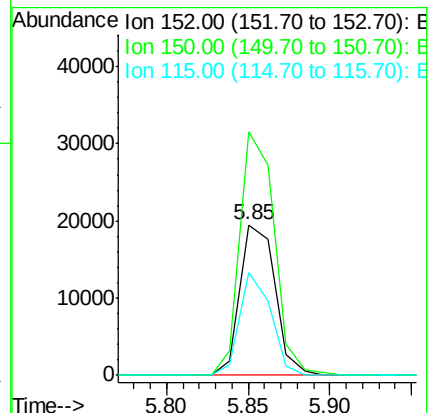
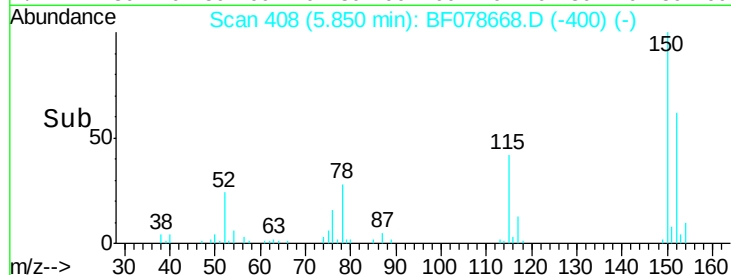
115 68.7 52.7 79.1



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: 8.99 ng

RT: 3.88 min Scan# 236

Delta R.T. 0.01 min

Lab File: BF078668.D

Acq: 21 Apr 2015 5:23

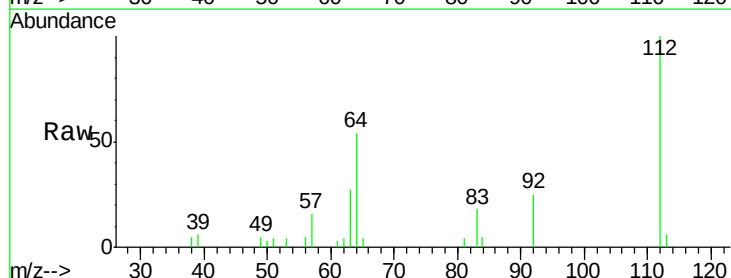
Tgt Ion:112 Resp: 15818

Ion Ratio Lower Upper

112 100

64 54.1 39.9 59.9

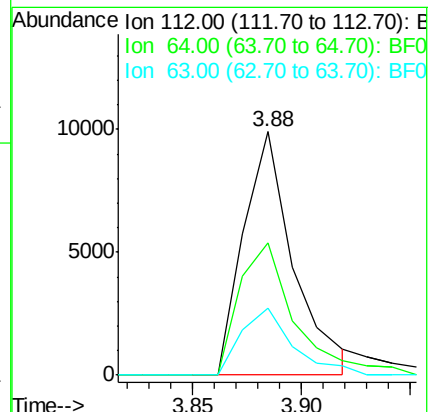
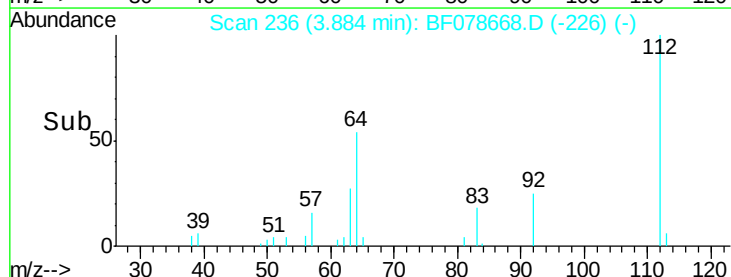
63 27.3 20.2 30.4

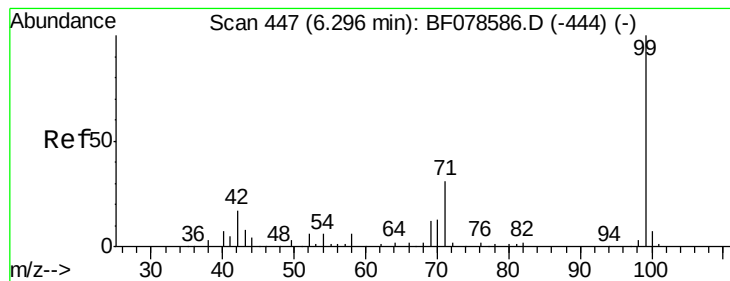


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 9.38 ng

RT: 5.37 min Scan# 366

Delta R.T. 0.01 min

Lab File: BF078668.D

Acq: 21 Apr 2015 5:23

Instrument :

BNA_F

ClientSampleId :

SP-A-2

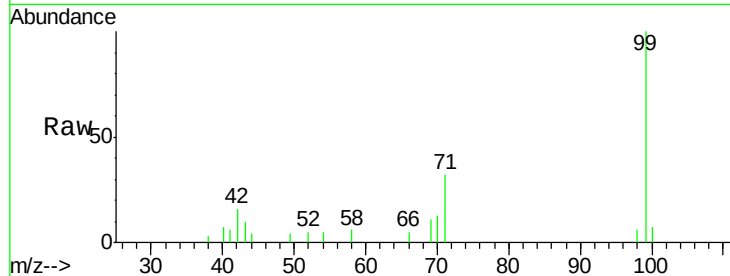
Tgt Ion: 99 Resp: 20680

Ion Ratio Lower Upper

99 100

42 16.1 14.8 22.2

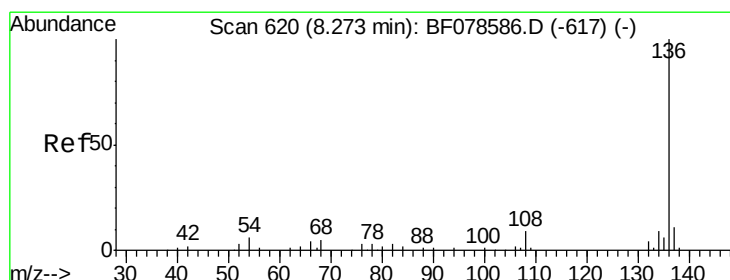
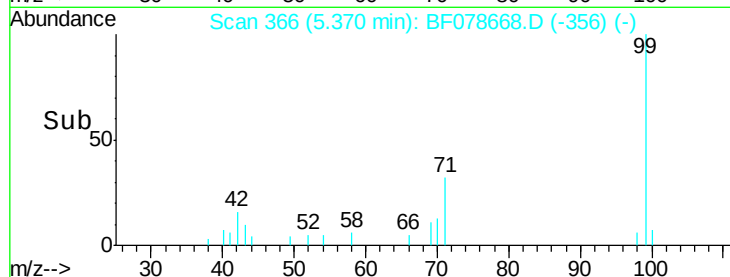
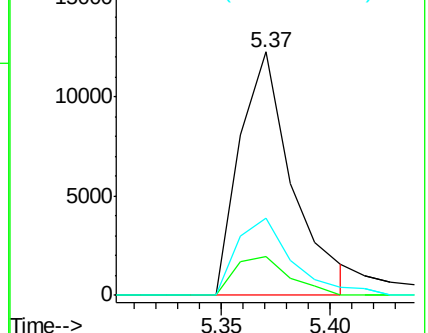
71 31.9 26.6 39.8



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: 8.01 min Scan# 597

Delta R.T. -0.01 min

Lab File: BF078668.D

Acq: 21 Apr 2015 5:23

Tgt Ion: 136 Resp: 120426

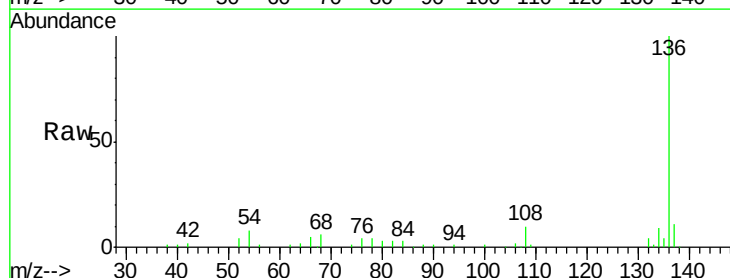
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 8.1 7.0 10.6

68 6.0 5.4 8.2

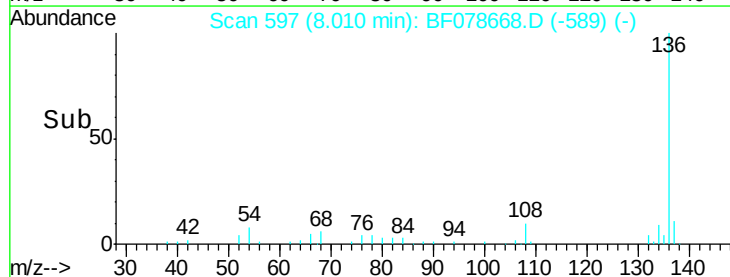
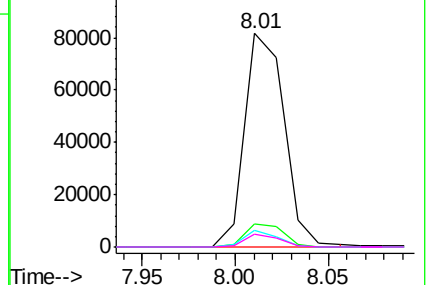


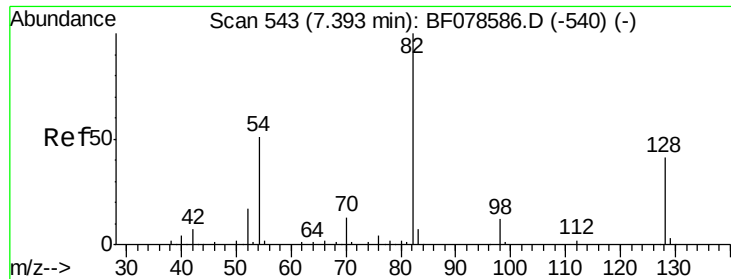
Abundance Ion 136.00 (135.70 to 136.70): E

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

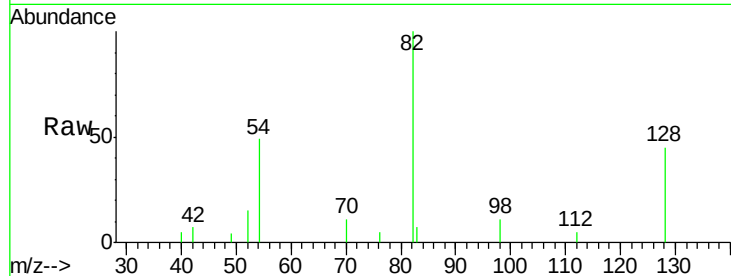




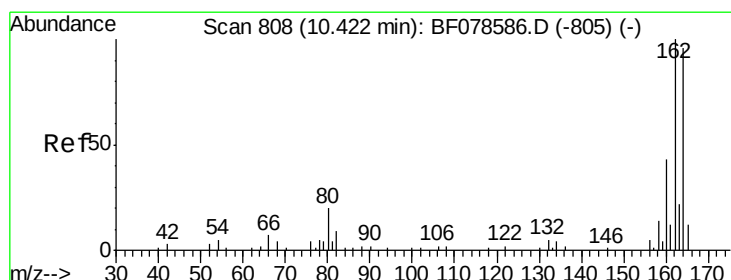
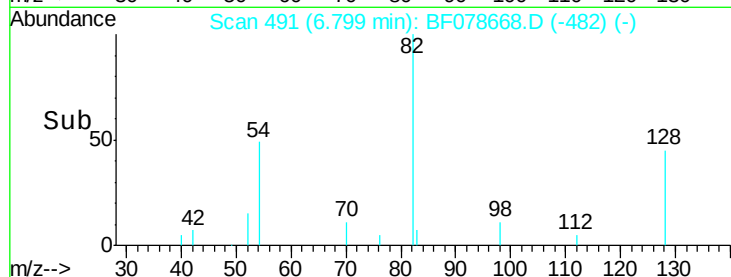
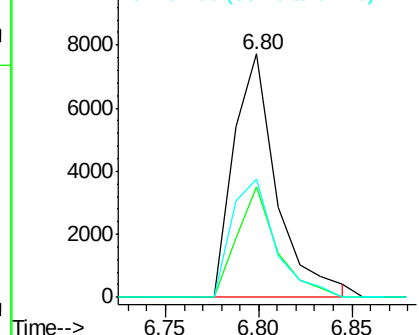
#23
 Nitrobenzene-d5
 Concen: 6.23 ng
 RT: 6.80 min Scan# 491
 Delta R.T. 0.00 min
 Lab File: BF078668.D
 Acq: 21 Apr 2015 5:23

Instrument :
 BNA_F
 ClientSampleId :
 SP-A-2

Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.2	31.8	47.8
54	48.6	41.5	62.3

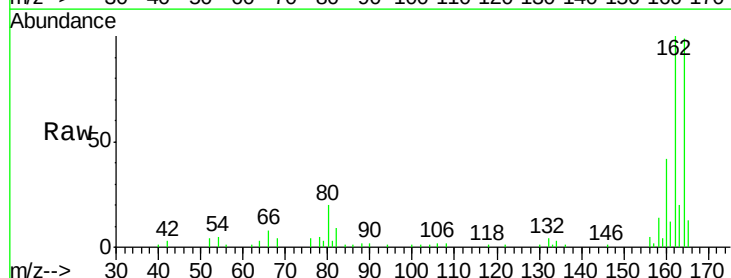


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

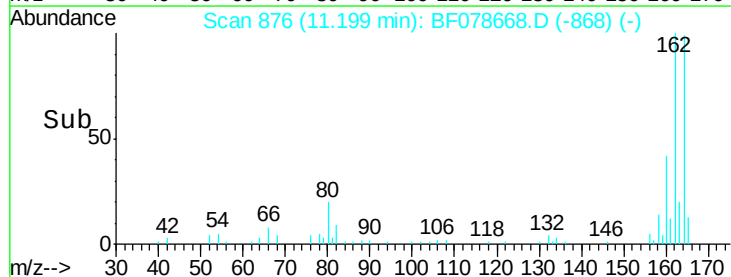
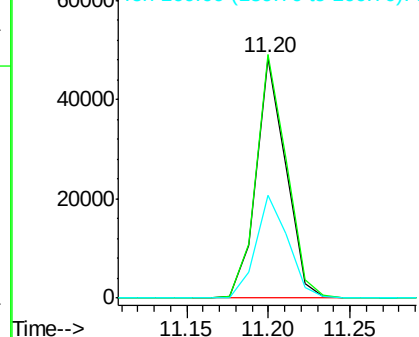


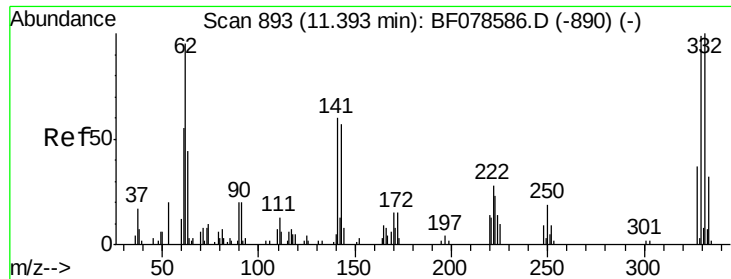
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 11.20 min Scan# 876
 Delta R.T. -0.01 min
 Lab File: BF078668.D
 Acq: 21 Apr 2015 5:23

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.3	82.2	123.2
160	42.6	34.7	52.1



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

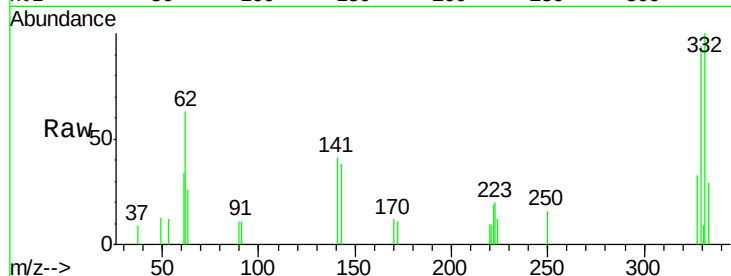




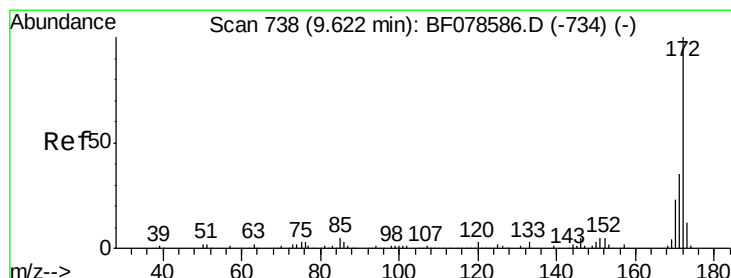
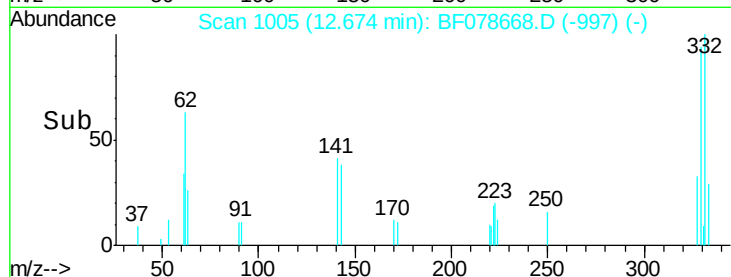
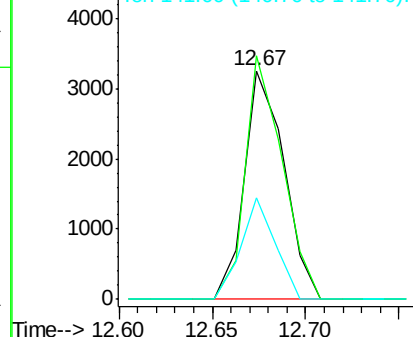
#41
 2,4,6-Tribromophenol
 Concen: 9.47 ng
 RT: 12.67 min Scan# 1005
 Delta R.T. -0.01 min
 Lab File: BF078668.D
 Acq: 21 Apr 2015 5:23

Instrument :
 BNA_F
 ClientSampleId :
 SP-A-2

Tgt Ion:330 Resp: 4810
 Ion Ratio Lower Upper
 330 100
 332 99.6 78.6 117.8
 141 38.2 31.2 46.8

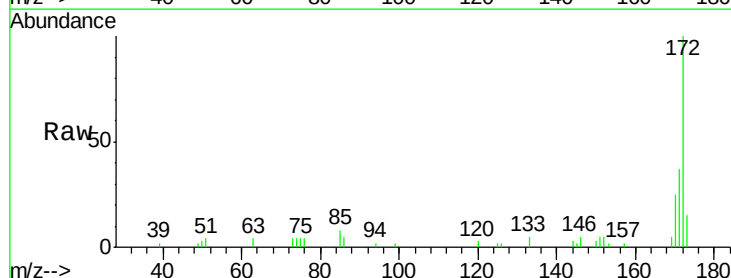


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

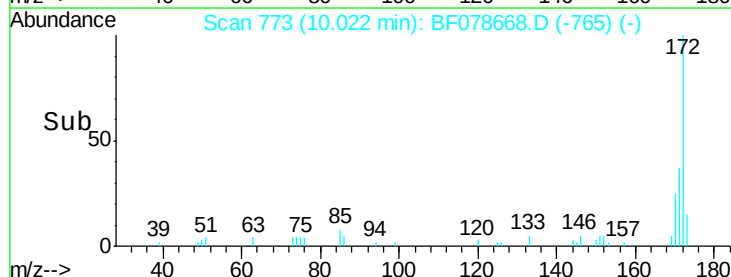
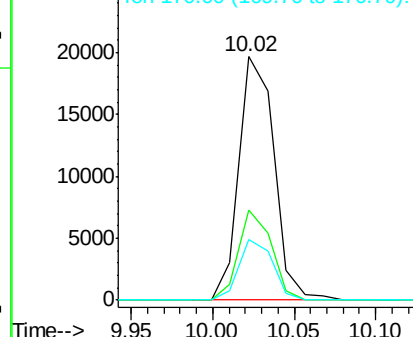


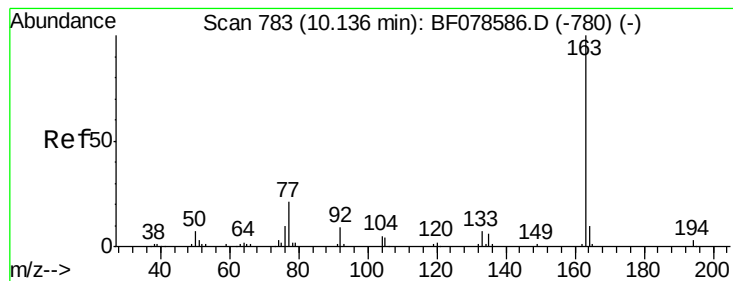
#44
 2-Fluorobiphenyl
 Concen: 6.86 ng
 RT: 10.02 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: BF078668.D
 Acq: 21 Apr 2015 5:23

Tgt Ion:172 Resp: 29379
 Ion Ratio Lower Upper
 172 100
 171 36.9 28.6 42.8
 170 25.0 18.5 27.7



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 1.86 ng

RT: 10.83 min Scan# 844

Delta R.T. -0.01 min

Lab File: BF078668.D

Acq: 21 Apr 2015 5:23

Instrument :

BNA_F

ClientSampleId :

SP-A-2

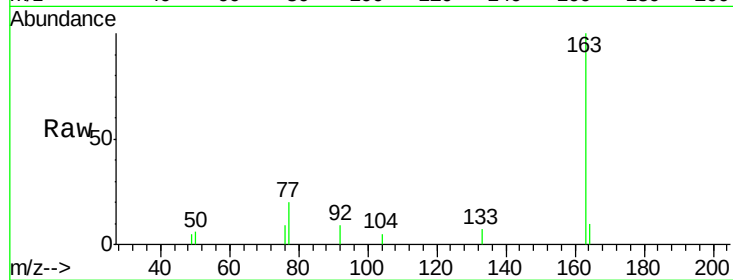
Tgt Ion:163 Resp: 8565

Ion Ratio Lower Upper

163 100

194 0.0 2.3 3.5#

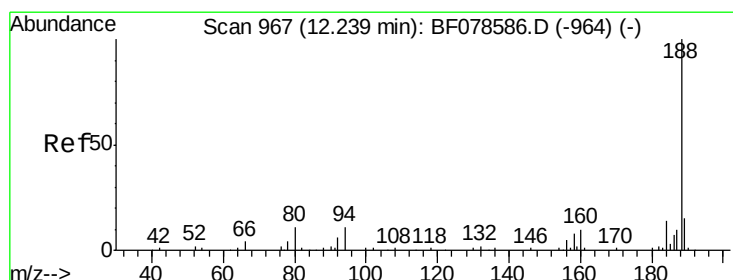
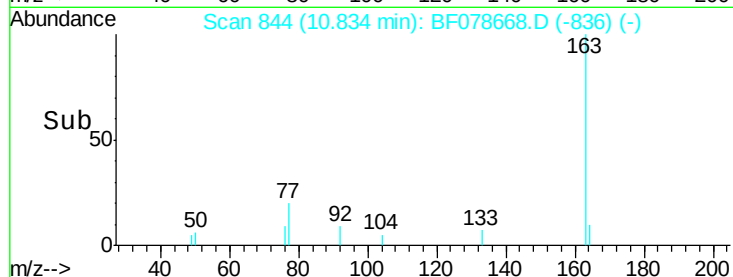
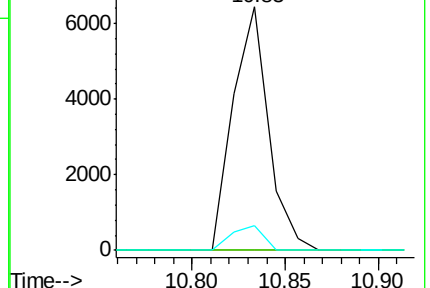
164 10.3 8.6 13.0



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: 13.93 min Scan# 1115

Delta R.T. -0.01 min

Lab File: BF078668.D

Acq: 21 Apr 2015 5:23

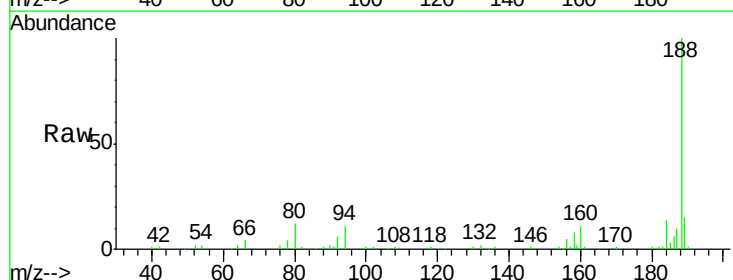
Tgt Ion:188 Resp: 119500

Ion Ratio Lower Upper

188 100

94 10.5 9.0 13.4

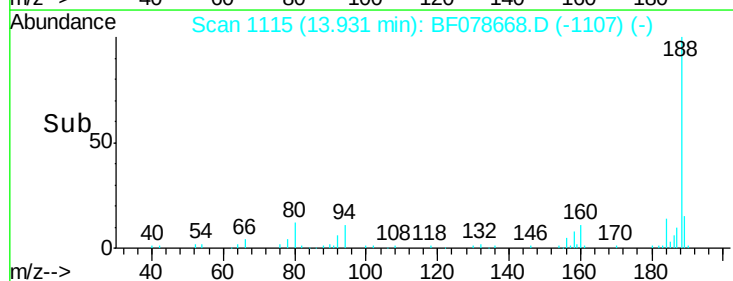
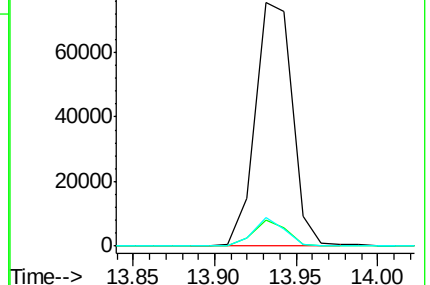
80 11.5 9.5 14.3

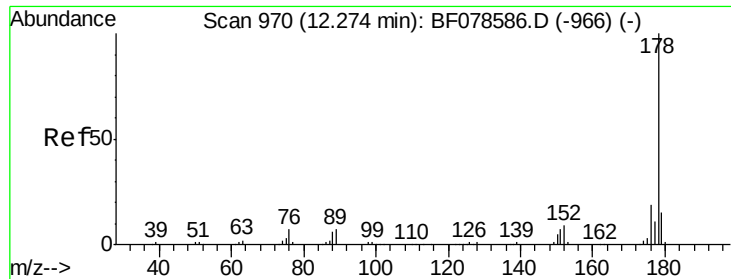


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

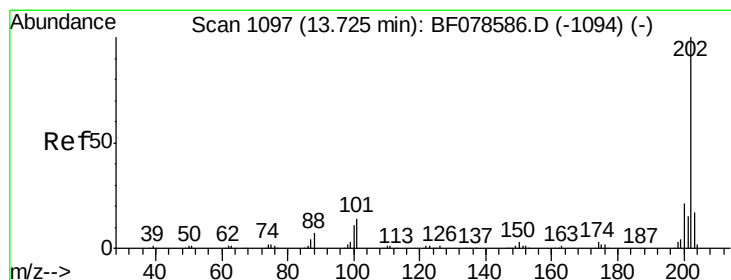
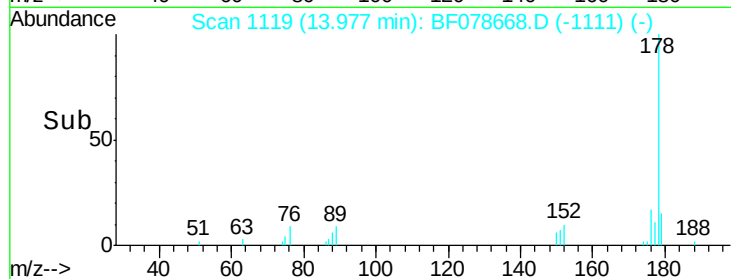
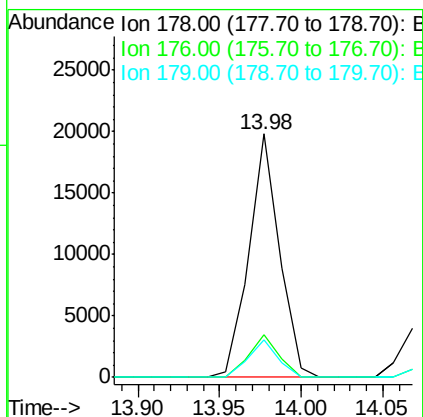
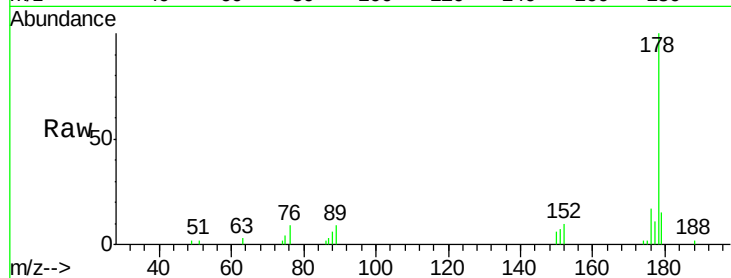




#70
Phenanthrene
Concen: 3.72 ng
RT: 13.98 min Scan# 1119
Delta R.T. -0.01 min
Lab File: BF078668.D
Acq: 21 Apr 2015 5:23

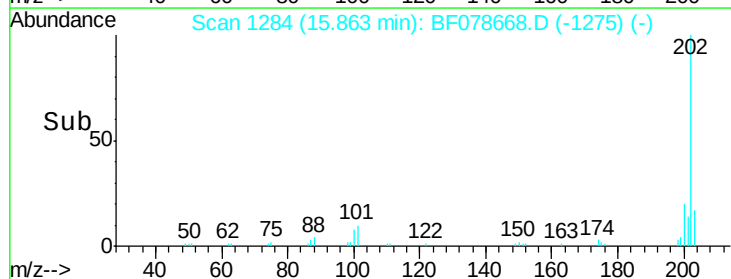
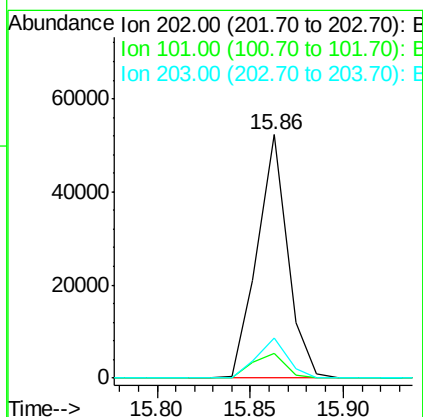
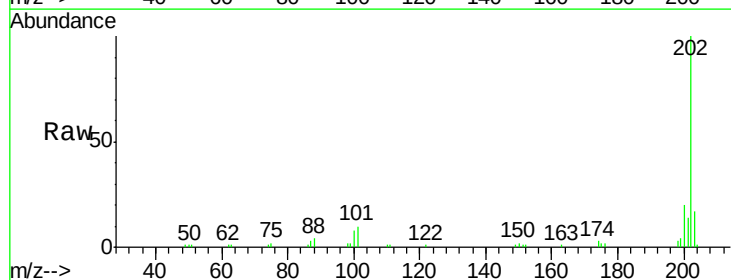
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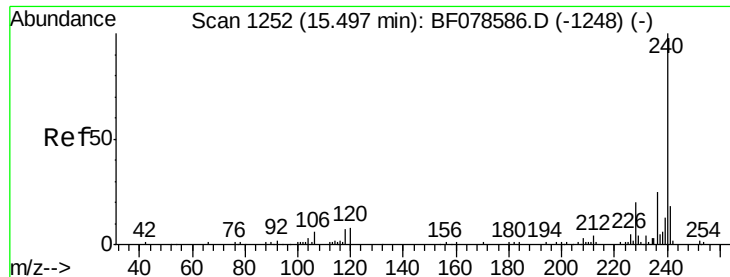
Tgt Ion:178 Resp: 25739
Ion Ratio Lower Upper
178 100
176 17.5 15.4 23.0
179 15.3 12.2 18.2



#74
Fluoranthene
Concen: 8.15 ng
RT: 15.86 min Scan# 1284
Delta R.T. 0.00 min
Lab File: BF078668.D
Acq: 21 Apr 2015 5:23

Tgt Ion:202 Resp: 59416
Ion Ratio Lower Upper
202 100
101 10.1 0.0 35.2
203 16.6 0.0 38.5

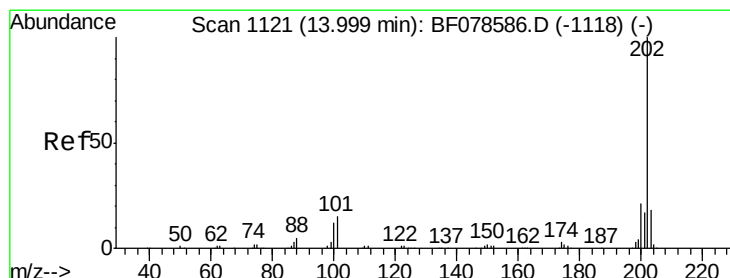
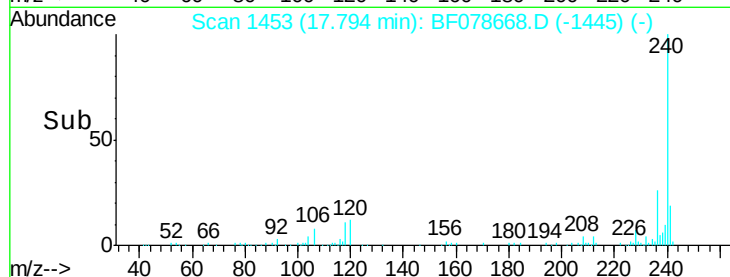
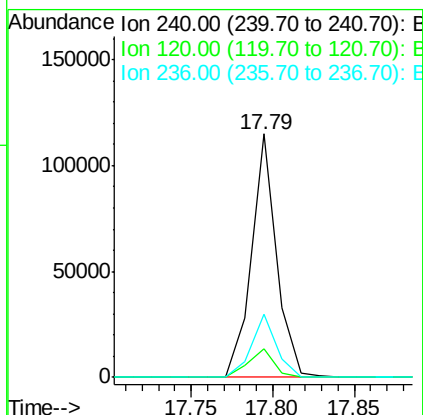
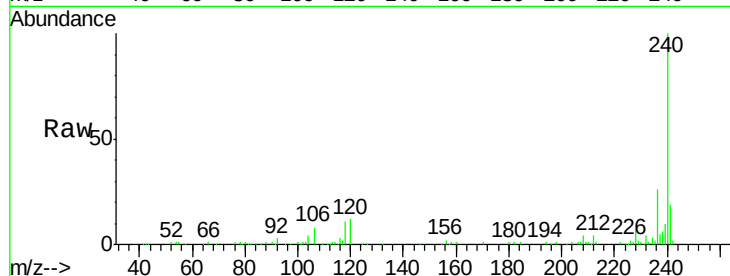




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 17.79 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF078668.D
 Acq: 21 Apr 2015 5:23

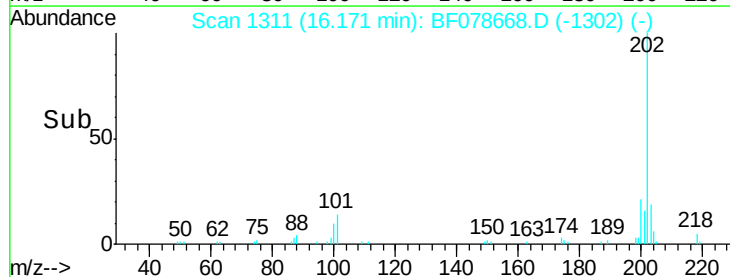
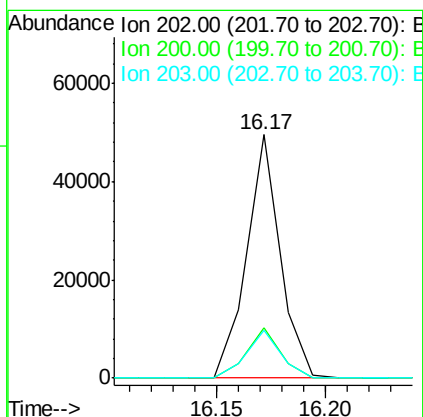
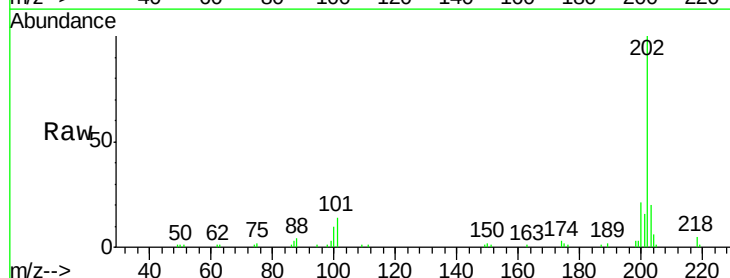
Instrument :
 BNA_F
 ClientSampleId :
 SP-A-2

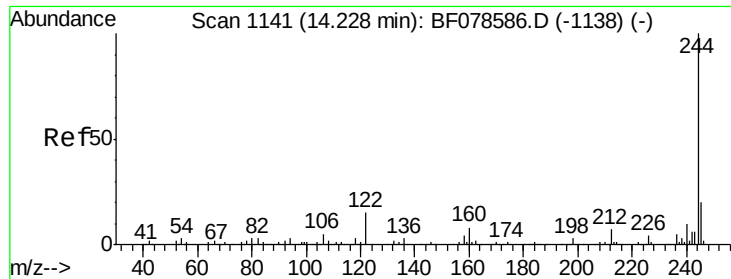
Tgt Ion: 240 Resp: 123151
 Ion Ratio Lower Upper
 240 100
 120 11.6 7.1 10.7#
 236 25.8 21.4 32.2



#77
 Pyrene
 Concen: 6.89 ng
 RT: 16.17 min Scan# 1311
 Delta R.T. 0.00 min
 Lab File: BF078668.D
 Acq: 21 Apr 2015 5:23

Tgt Ion: 202 Resp: 53248
 Ion Ratio Lower Upper
 202 100
 200 20.6 16.3 24.5
 203 19.6 13.8 20.6





#78

Terphenyl-d14

Concen: 6.41 ng

RT: 16.46 min Scan# 1336

Delta R.T. -0.01 min

Lab File: BF078668.D

Acq: 21 Apr 2015 5:23

Instrument :

BNA_F

ClientSampleId :

SP-A-2

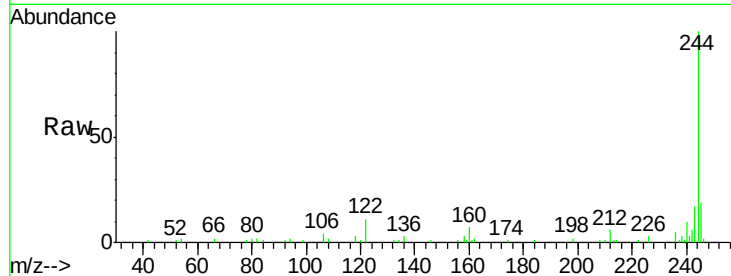
Tgt Ion:244 Resp: 34910

Ion Ratio Lower Upper

244 100

212 6.1 5.0 7.4

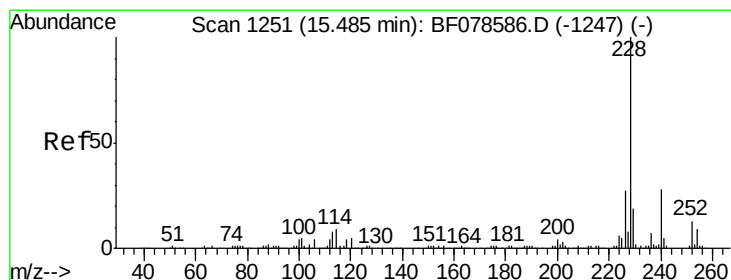
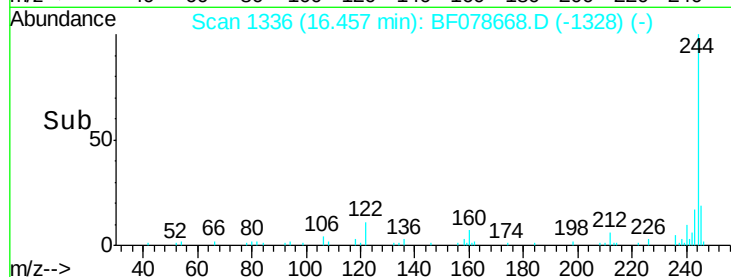
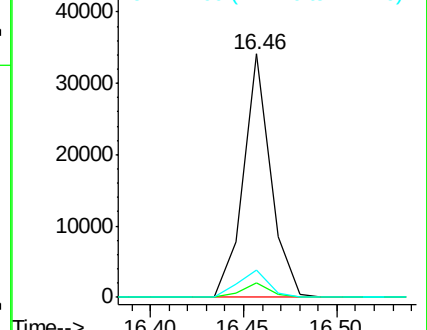
122 11.2 7.1 10.7#



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: 3.82 ng

RT: 17.78 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BF078668.D

Acq: 21 Apr 2015 5:23

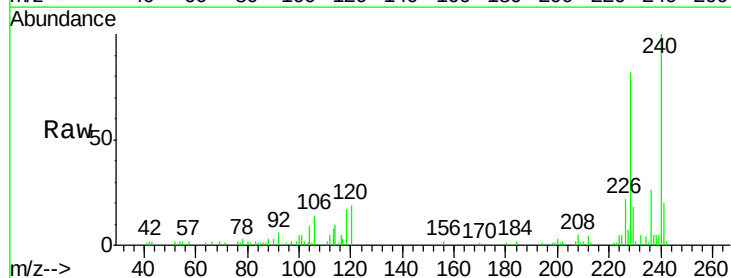
Tgt Ion:228 Resp: 28016

Ion Ratio Lower Upper

228 100

226 26.5 21.3 31.9

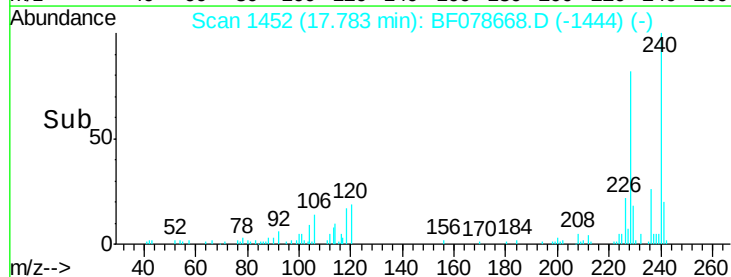
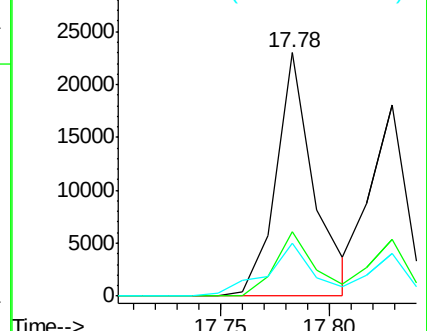
229 21.8 15.4 23.2

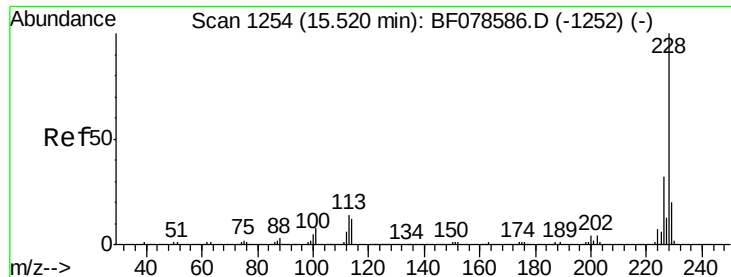


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.08 ng

RT: 17.83 min Scan# 1456

Delta R.T. -0.01 min

Lab File: BF078668.D

Acq: 21 Apr 2015 5:23

Instrument :

BNA_F

ClientSampleId :

SP-A-2

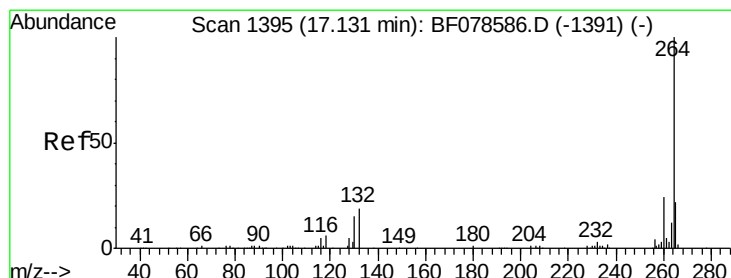
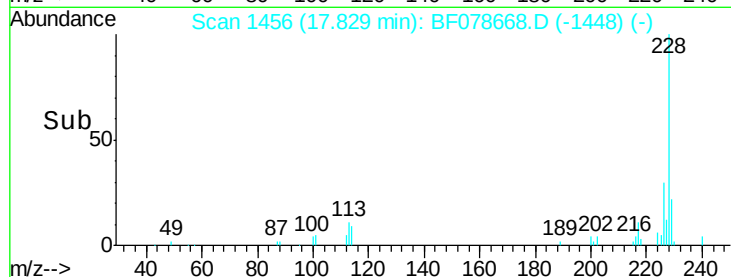
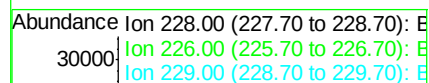
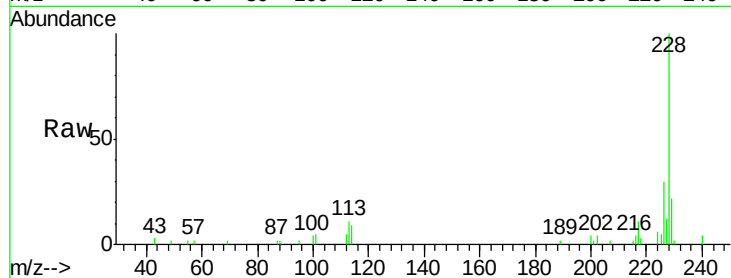
Tgt Ion:228 Resp: 21228

Ion Ratio Lower Upper

228 100

226 29.7 24.2 36.4

229 22.4 15.8 23.8



#86

Perylene-d12

Concen: 20.00 ng

RT: 19.47 min Scan# 1600

Delta R.T. 0.00 min

Lab File: BF078668.D

Acq: 21 Apr 2015 5:23

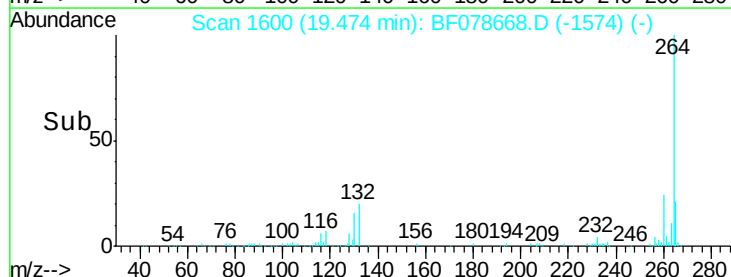
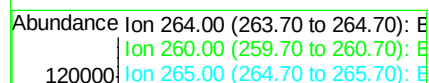
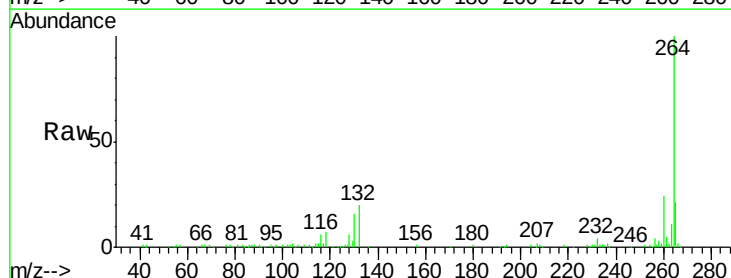
Tgt Ion:264 Resp: 120337

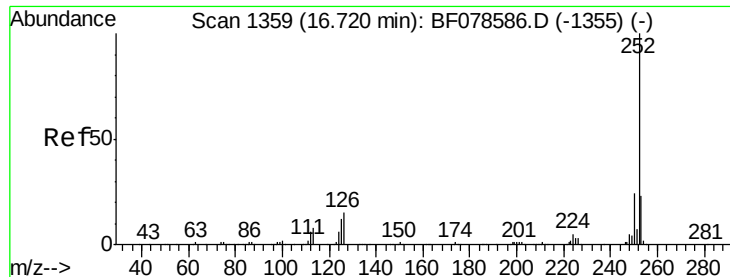
Ion Ratio Lower Upper

264 100

260 23.6 18.6 27.8

265 21.3 17.0 25.6

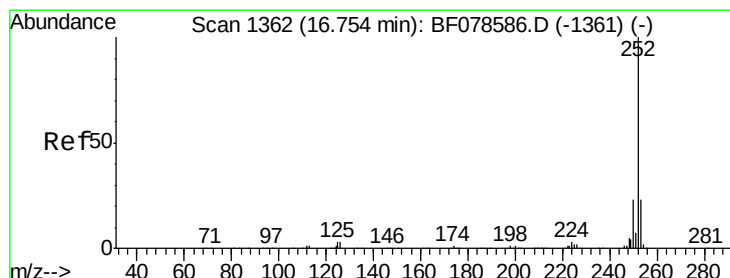
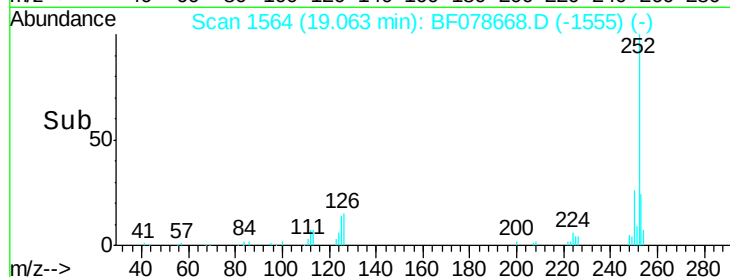
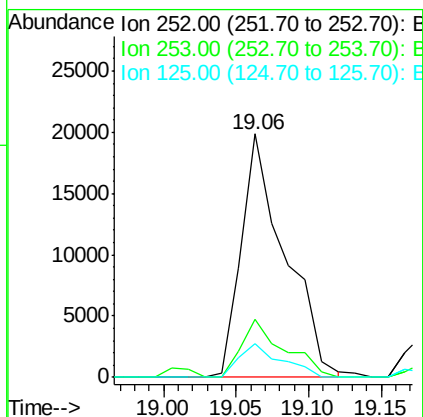
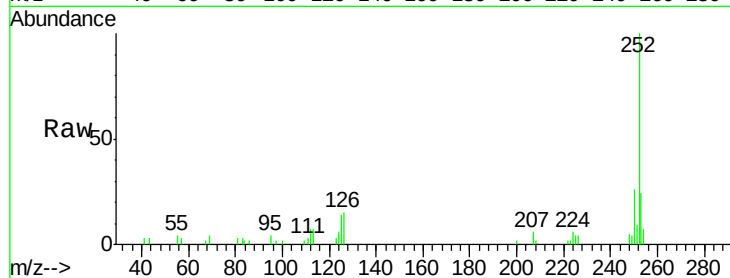




#87
Benzo(b)fluoranthene
Concen: 5.57 ng
RT: 19.06 min Scan# 1564
Delta R.T. 0.00 min
Lab File: BF078668.D
Acq: 21 Apr 2015 5:23

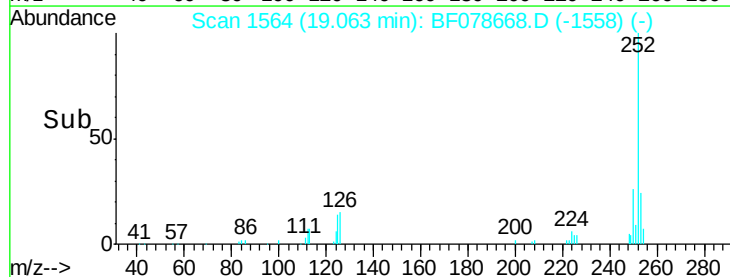
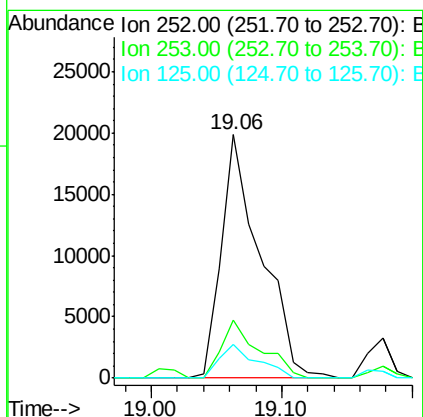
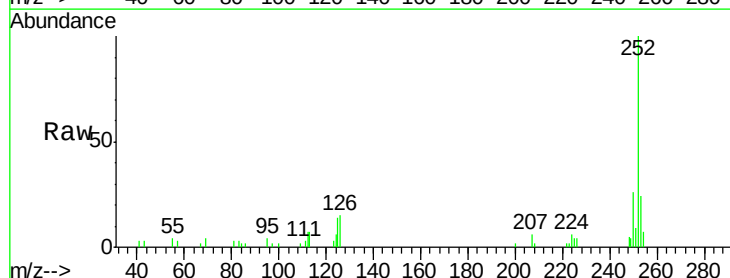
Instrument :
BNA_F
ClientSampled :
SP-A-2

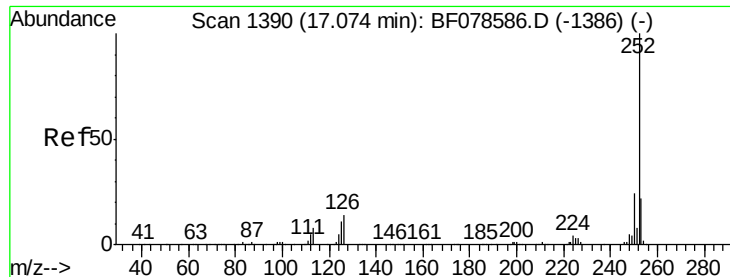
Tgt Ion:252 Resp: 41453
Ion Ratio Lower Upper
252 100
253 23.9 17.2 25.8
125 13.7 7.0 10.4#



#88
Benzo(k)fluoranthene
Concen: 6.31 ng
RT: 19.06 min Scan# 1564
Delta R.T. -0.03 min
Lab File: BF078668.D
Acq: 21 Apr 2015 5:23

Tgt Ion:252 Resp: 41675
Ion Ratio Lower Upper
252 100
253 23.9 17.5 26.3
125 13.7 11.6 17.4





#89

Benzo(a)pyrene

Concen: 3.32 ng

RT: 19.42 min Scan# 1595

Delta R.T. 0.00 min

Lab File: BF078668.D

Acq: 21 Apr 2015 5:23

Instrument :

BNA_F

ClientSampleId :

SP-A-2

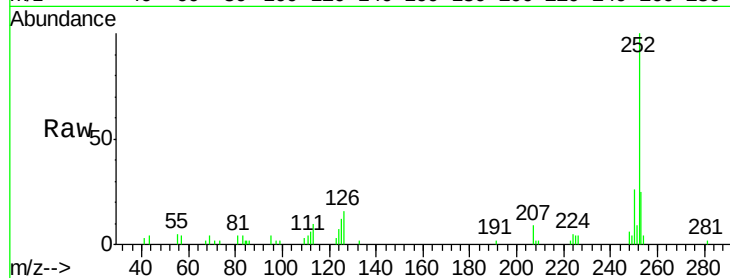
Tgt Ion: 252 Resp: 21554

Ion Ratio Lower Upper

252 100

253 24.6 16.8 25.2

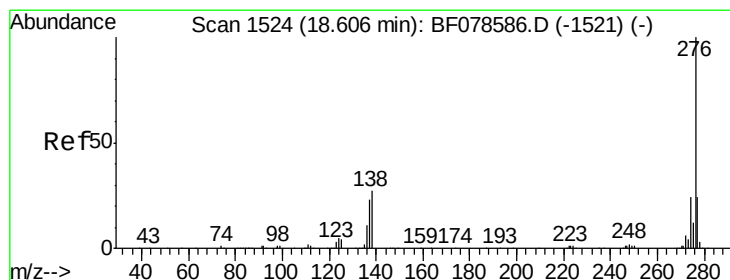
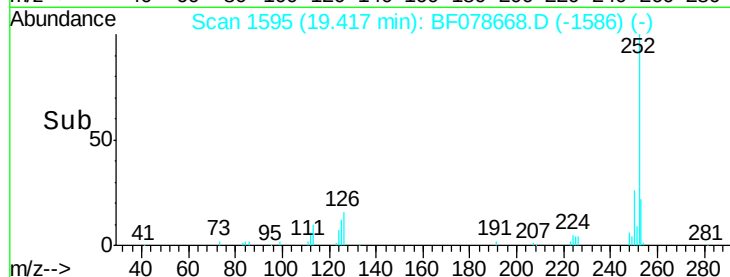
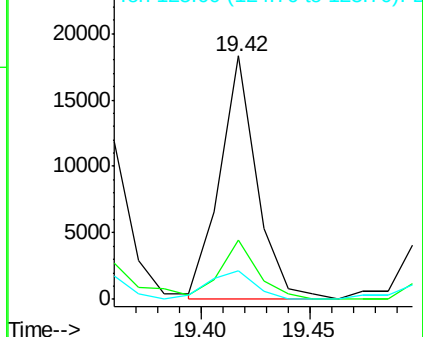
125 11.8 7.4 11.0#



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



#91

Benzo(g,h,i)perylene

Concen: 2.21 ng

RT: 20.94 min Scan# 1728

Delta R.T. -0.01 min

Lab File: BF078668.D

Acq: 21 Apr 2015 5:23

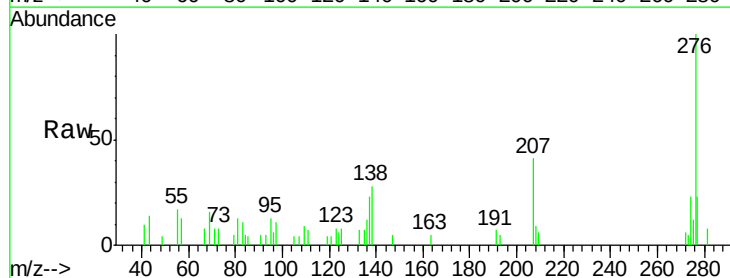
Tgt Ion: 276 Resp: 14367

Ion Ratio Lower Upper

276 100

277 22.7 19.0 28.4

138 27.5 19.9 29.9



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

