

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080315\
 Data File : BM002204.D
 Acq On : 03 Aug 2015 19:12
 Operator : TP/UM
 Sample : G3095-11
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C01S2

Quant Time: Aug 04 02:37:35 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072715.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Aug 04 02:31:26 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.53	152	84084	20.00	ng/ul	0.00
18) Naphthalene-d8	10.32	136	363358	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.21	164	236352	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.97	188	569871	20.00	ng/ul	0.01
78) Chrysene-d12	21.18	240	526896	20.00	ng/ul	0.01
86) Perylene-d12	23.37	264	491117	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	2.98	96	1612	0.99	ng/uL	0.00
5) Phenol-d5	6.72	99	43935	7.31	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.87	67	22925	6.90	ng/ul	0.00
9) 2-Chlorophenol-d4	7.06	132	37827	7.42	ng/ul	0.00
13) 4-Methylphenol-d8	8.26	113	36496	7.64	ng/ul	0.01
19) Nitrobenzene-d5	8.69	128	18288	7.08	ng/ul	0.00
22) 2-Nitrophenol-d4	9.42	143	20226	7.05	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.96	165	40230	7.28	ng/ul	0.00
29) 4-Chloroaniline-d4	10.47	131	32345	5.32	ng/ul	0.00
44) Dimethylphthalate-d6	13.62	166	117669	6.80	ng/ul	0.00
47) Acenaphthylene-d8	13.90	160	151693	7.01	ng/ul	0.00
52) 4-Nitrophenol-d4	14.46	143	11835	4.10	ng/ul	0.02
58) Fluorene-d10	15.20	176	112766	7.40	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
71) Anthracene-d10	17.07	188	178467	7.02	ng/ul	0.01
79) Pyrene-d10	19.37	212	185989	8.38	ng/ul	0.01
90) Benzo(a)pyrene-d12	23.23	264	159230	6.69	ng/ul	0.02

Target Compounds

						Qvalue
28) Naphthalene	10.37	128	107466	6.23	ng/ul	99
34) 2-Methylnaphthalene	12.00	142	25406	2.02	ng/ul	98
35) 1-Methylnaphthalene	12.22	142	19859	1.64	ng/ul	96
45) Dimethylphthalate	13.67	163	39955	2.31	ng/ul	98
48) Acenaphthylene	13.93	152	138940	6.22	ng/ul	100
50) Acenaphthene	14.27	153	189595	12.95	ng/ul	99
54) Dibenzofuran	14.61	168	116929	5.57	ng/ul	96
59) Fluorene	15.26	166	190033	10.95	ng/ul	99
70) Phenanthrene	17.02	178	3023624	102.44	ng/ul	99
72) Anthracene	17.10	178	672297	22.28	ng/ul	99
75) Carbazole	17.37	167	284538	11.04	ng/ul	98
77) Fluoranthene	19.19	202	54026	1.59	ng/ul	97
80) Pyrene	19.42	202	5008828	174.70	ng/ul	98
83) Benzo(a)anthracene	21.17	228	2449842	83.87	ng/ul	97
85) Chrysene	21.22	228	2237095	81.86	ng/ul	96
88) Benzo(b)fluoranthene	22.73	252	2935935	106.39	ng/ul	97
89) Benzo(k)fluoranthene	22.73	252	1472319	55.29	ng/ul	98
91) Benzo(a)pyrene	23.29	252	2138426	80.28	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.59	276	1491896	48.60	ng/ul#	95
93) Dibenzo(a,h)anthracene	25.59	278	386048	14.70	ng/ul#	84
94) Benzo(g,h,i)perylene	26.27	276	1366292	53.10	ng/ul	96

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 04 02:31:26 2015
Response via : Initial Calibration

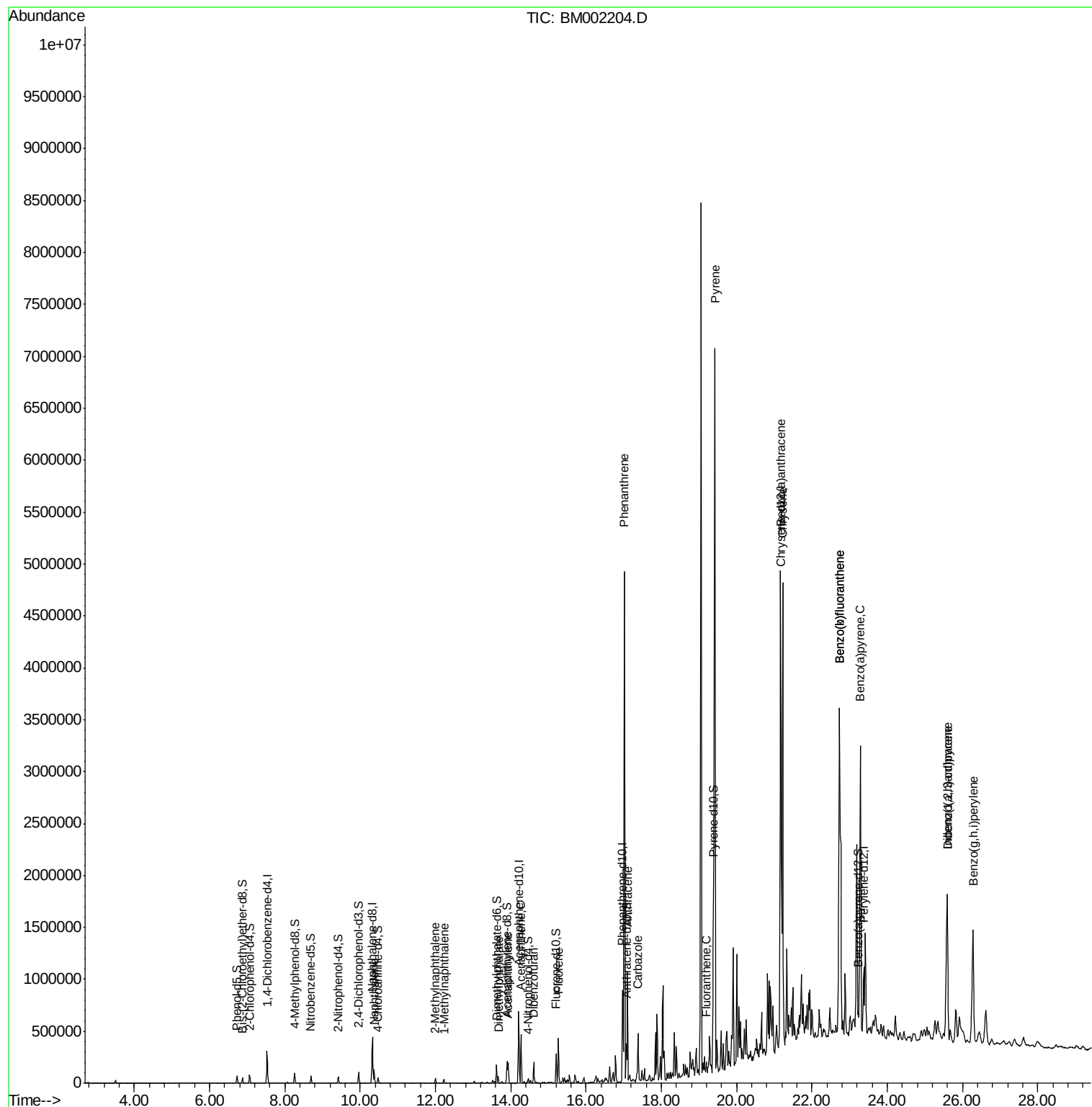
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

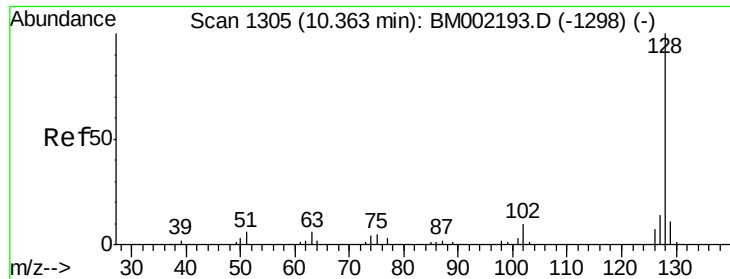
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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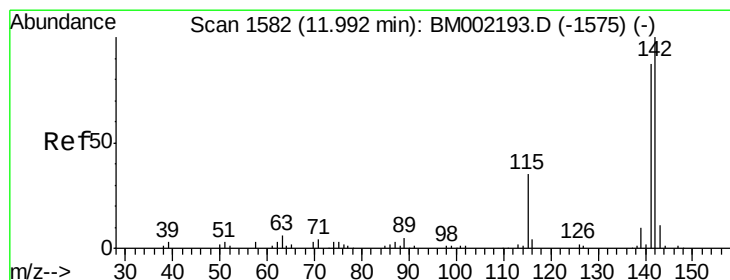
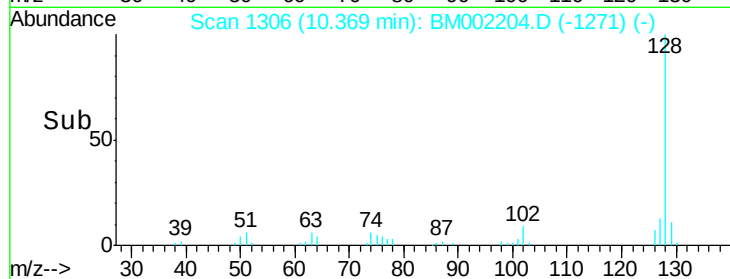
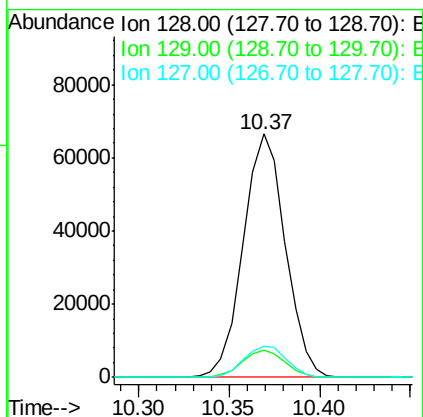
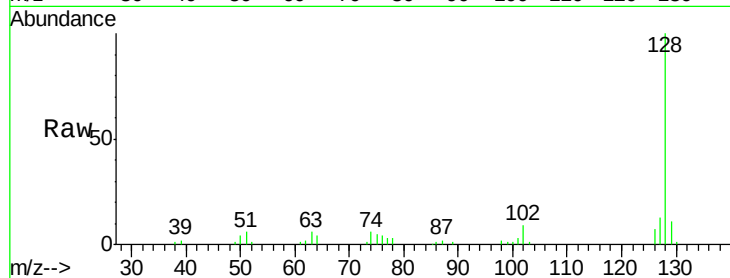




#28
Naphthalene
Concen: 6.23 ng/ul
RT: 10.37 min Scan# 1306
Delta R.T. 0.01 min
Lab File: BM002204.D
Acq: 03 Aug 2015 19:12

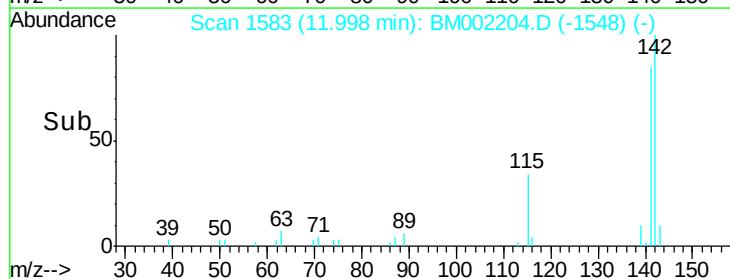
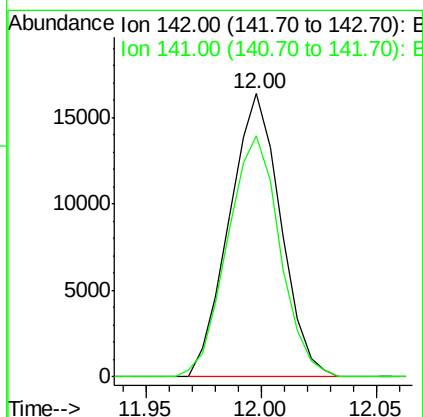
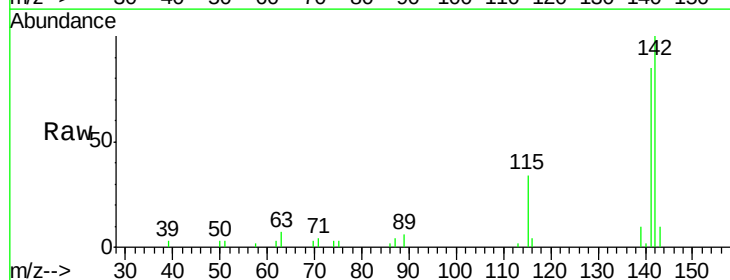
Instrument :
BNA_M
ClientSampleId :
C01S2

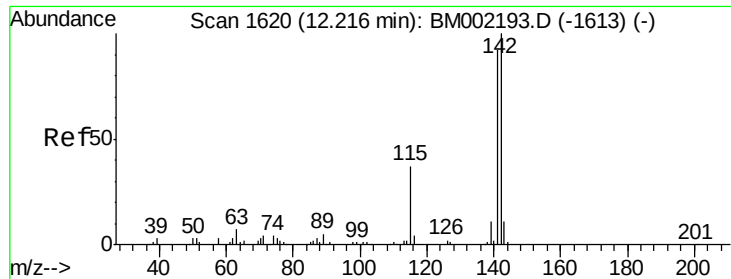
Tgt Ion:128 Resp: 107466
Ion Ratio Lower Upper
128 100
129 11.5 9.0 13.4
127 12.6 10.2 15.4



#34
2-Methylnaphthalene
Concen: 2.02 ng/ul
RT: 12.00 min Scan# 1583
Delta R.T. 0.01 min
Lab File: BM002204.D
Acq: 03 Aug 2015 19:12

Tgt Ion:142 Resp: 25406
Ion Ratio Lower Upper
142 100
141 85.2 69.8 104.6

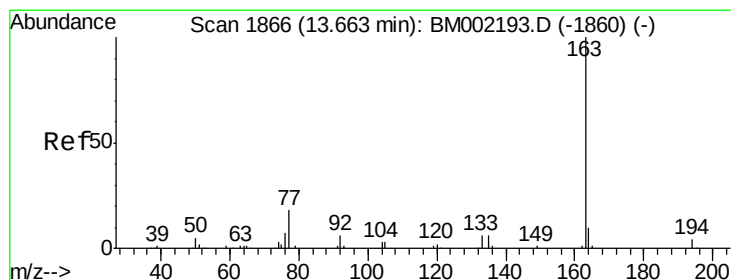
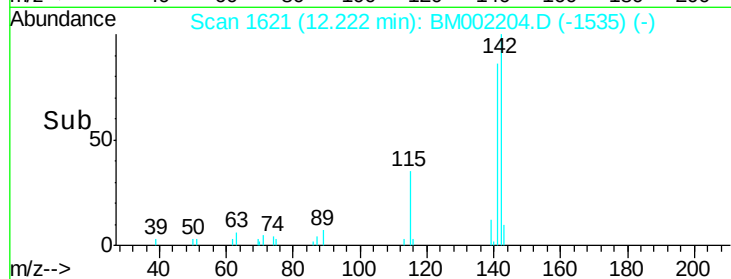
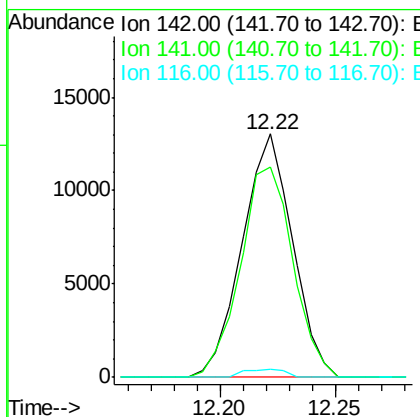
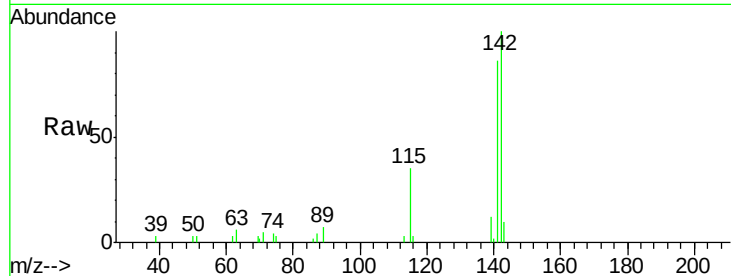




#35
 1-Methylnaphthalene
 Concen: 1.64 ng/ul
 RT: 12.22 min Scan# 1621
 Delta R.T. 0.01 min
 Lab File: BM002204.D
 Acq: 03 Aug 2015 19:12

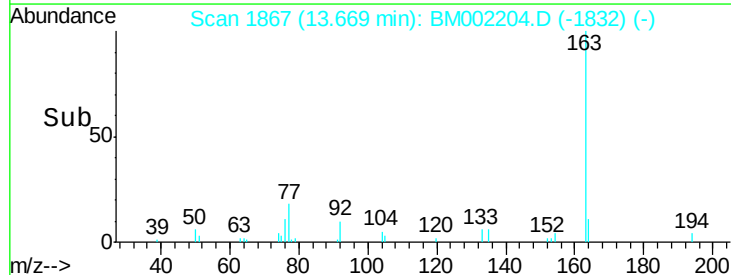
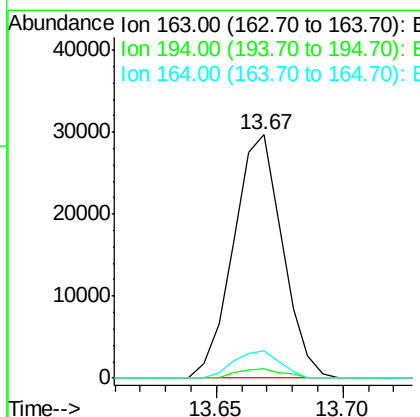
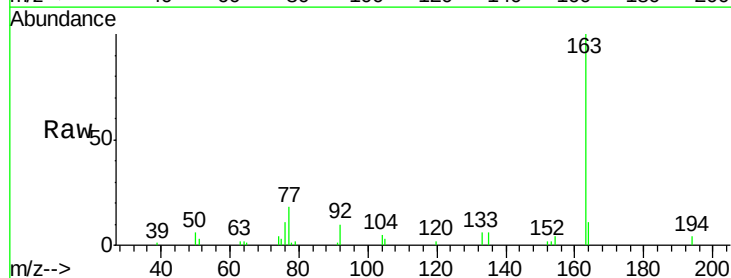
Instrument :
 BNA_M
 ClientSampleId :
 C01S2

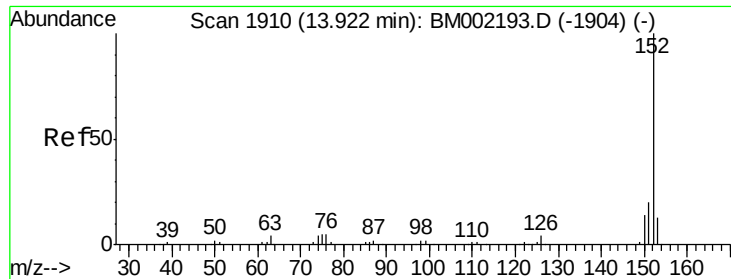
Tgt Ion:142 Resp: 19859
 Ion Ratio Lower Upper
 142 100
 141 86.4 72.4 108.6
 116 3.5 3.2 4.8



#45
 Dimethylphthalate
 Concen: 2.31 ng/ul
 RT: 13.67 min Scan# 1867
 Delta R.T. 0.01 min
 Lab File: BM002204.D
 Acq: 03 Aug 2015 19:12

Tgt Ion:163 Resp: 39955
 Ion Ratio Lower Upper
 163 100
 194 4.0 3.5 5.3
 164 11.1 8.0 12.0





#48

Acenaphthylene

Concen: 6.22 ng/ul

RT: 13.93 min Scan# 1911

Delta R.T. 0.01 min

Lab File: BM002204.D

Acq: 03 Aug 2015 19:12

Instrument :

BNA_M

ClientSampleId :

C01S2

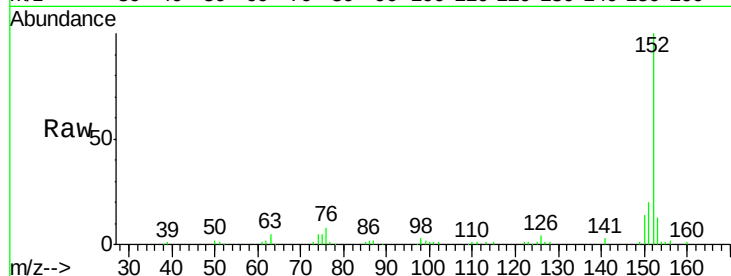
Tgt Ion:152 Resp: 138940

Ion Ratio Lower Upper

152 100

151 19.6 15.6 23.4

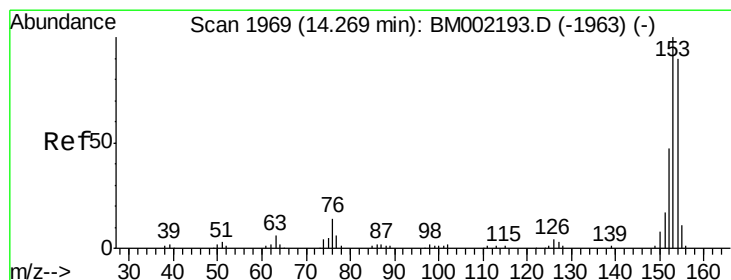
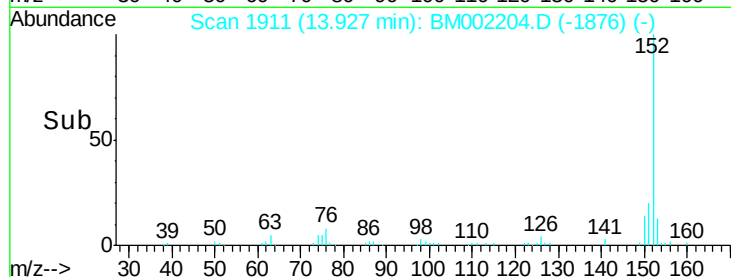
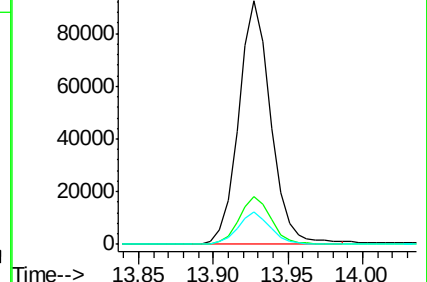
153 13.1 10.3 15.5



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



#50

Acenaphthene

Concen: 12.95 ng/ul

RT: 14.27 min Scan# 1970

Delta R.T. 0.01 min

Lab File: BM002204.D

Acq: 03 Aug 2015 19:12

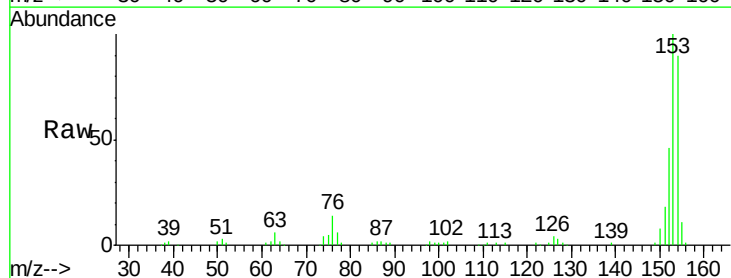
Tgt Ion:153 Resp: 189595

Ion Ratio Lower Upper

153 100

152 46.5 37.3 55.9

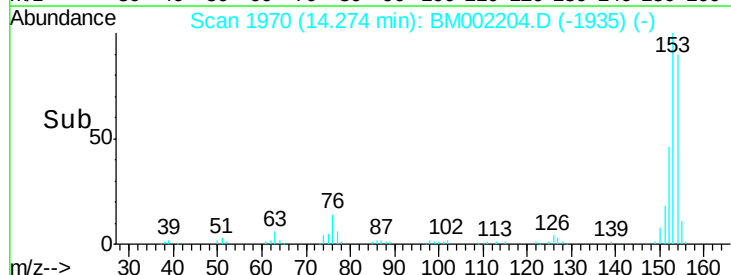
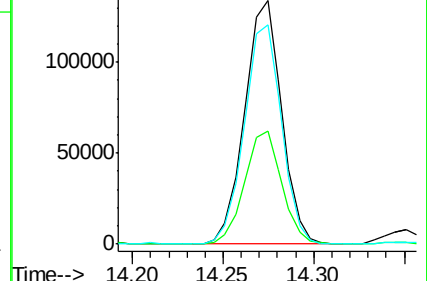
154 90.1 71.4 107.2

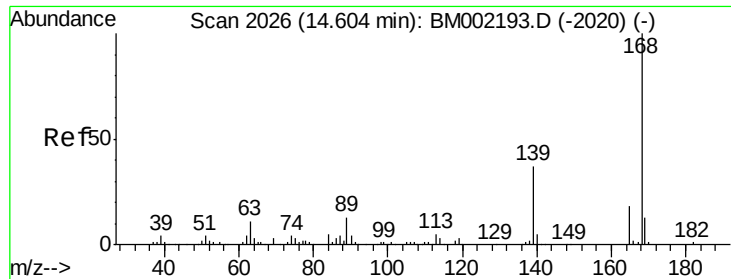


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 5.57 ng/ul

RT: 14.61 min Scan# 2027

Delta R.T. 0.01 min

Lab File: BM002204.D

Acq: 03 Aug 2015 19:12

Instrument :

BNA_M

ClientSampleId :

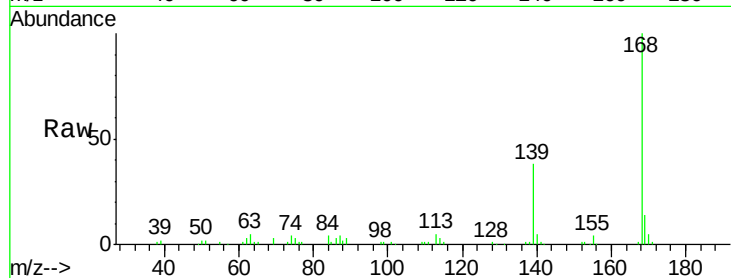
C01S2

Tgt Ion:168 Resp: 116929

Ion Ratio Lower Upper

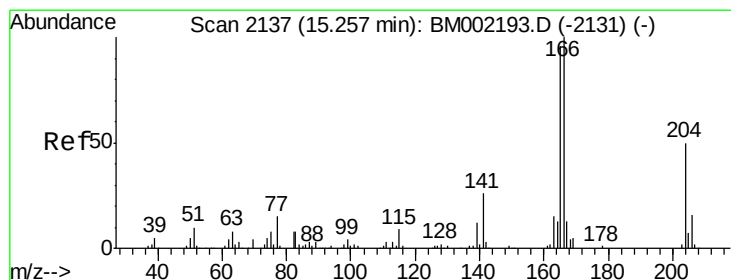
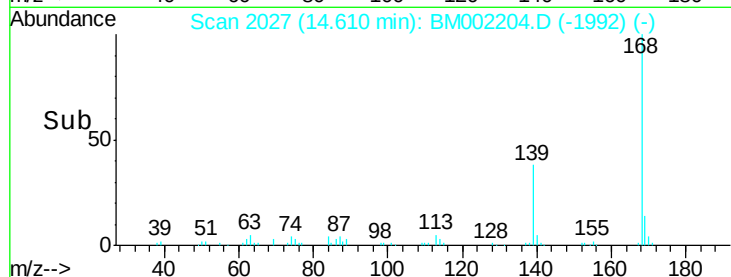
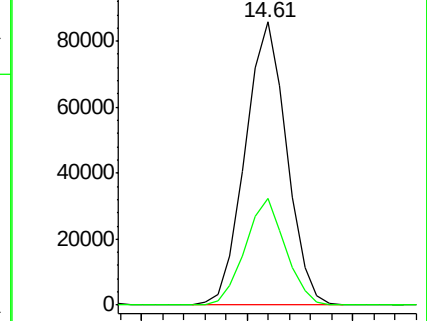
168 100

139 37.8 28.2 42.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E



#59

Fluorene

Concen: 10.95 ng/ul

RT: 15.26 min Scan# 2138

Delta R.T. 0.01 min

Lab File: BM002204.D

Acq: 03 Aug 2015 19:12

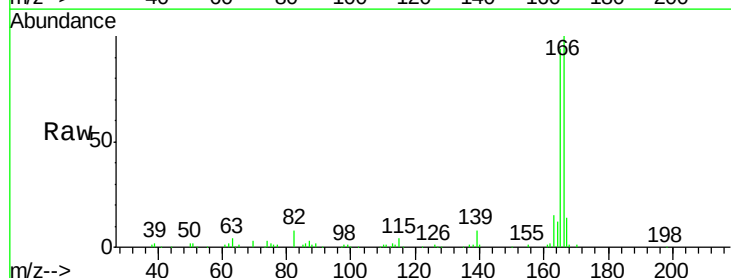
Tgt Ion:166 Resp: 190033

Ion Ratio Lower Upper

166 100

165 94.2 75.6 113.4

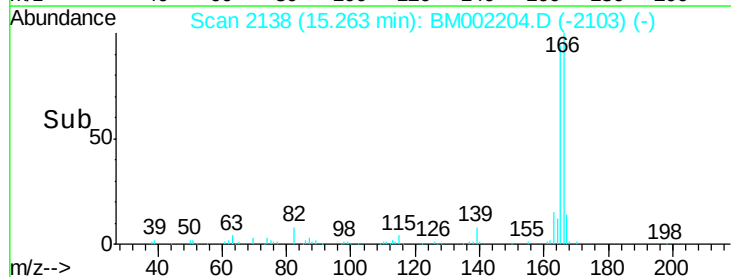
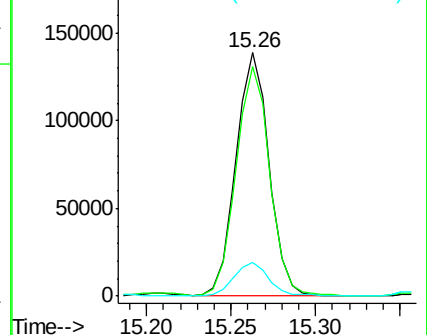
167 14.0 10.5 15.7

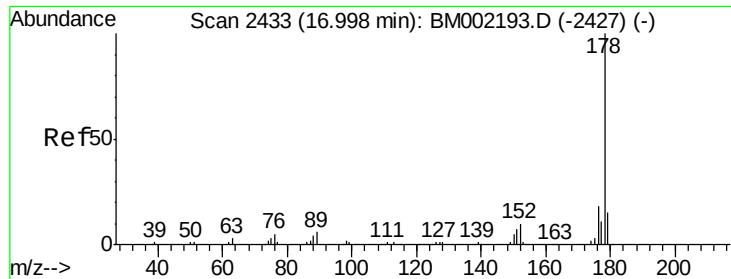


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

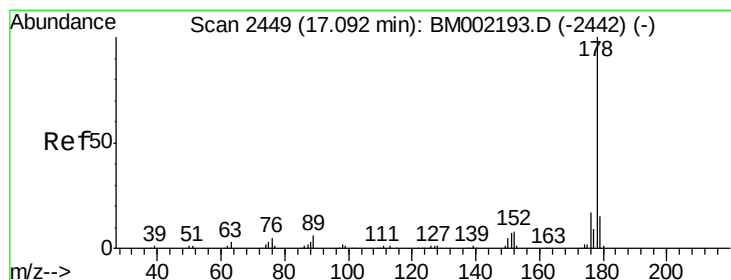
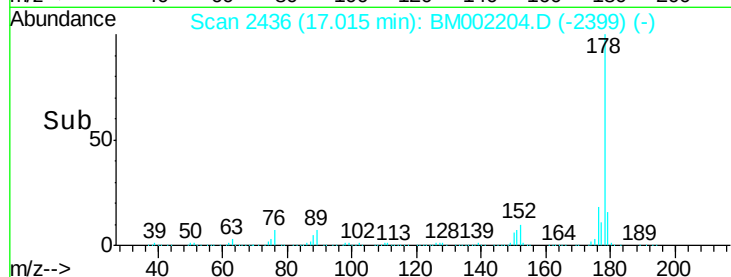
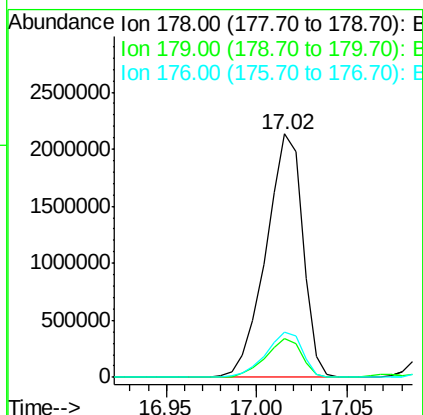
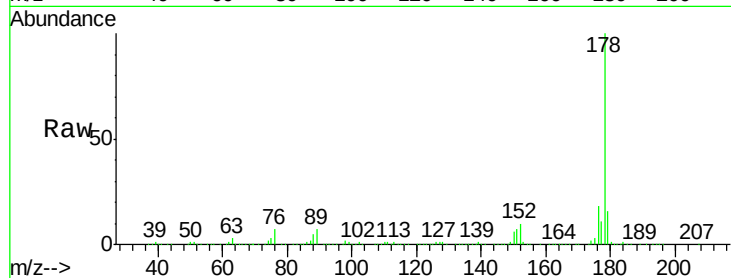




#70
 Phenanthrene
 Concen: 102.44 ng/ul
 RT: 17.02 min Scan# 2436
 Delta R.T. 0.02 min
 Lab File: BM002204.D
 Acq: 03 Aug 2015 19:12

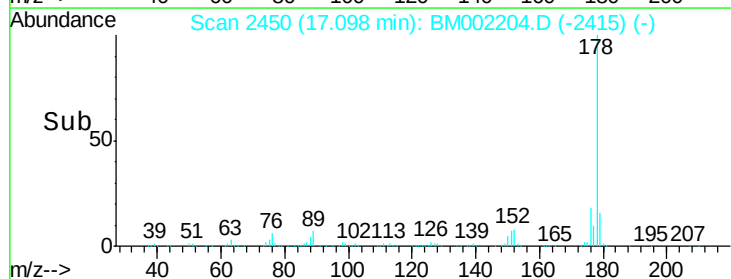
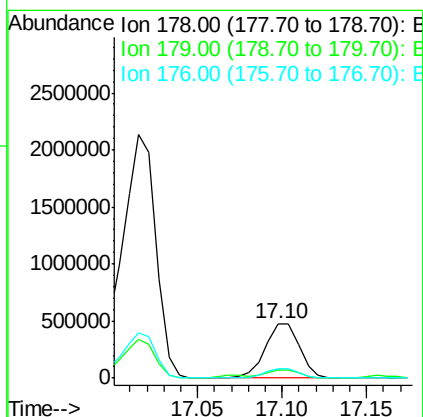
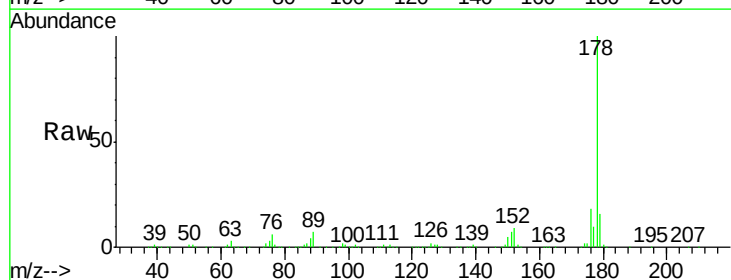
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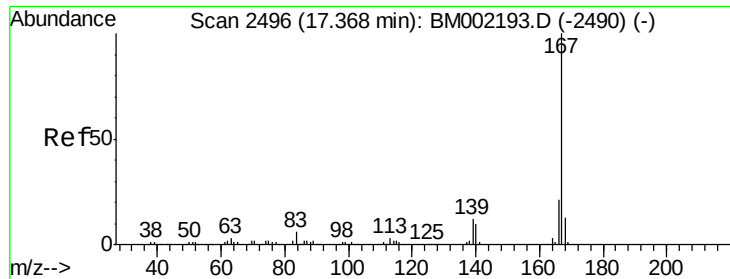
Tgt Ion:178 Resp: 3023624
 Ion Ratio Lower Upper
 178 100
 179 15.8 12.5 18.7
 176 18.4 14.2 21.4



#72
 Anthracene
 Concen: 22.28 ng/ul
 RT: 17.10 min Scan# 2450
 Delta R.T. 0.01 min
 Lab File: BM002204.D
 Acq: 03 Aug 2015 19:12

Tgt Ion:178 Resp: 672297
 Ion Ratio Lower Upper
 178 100
 179 15.5 12.1 18.1
 176 17.8 14.1 21.1





#75

Carbazole

Concen: 11.04 ng/ul

RT: 17.37 min Scan# 2497

Delta R.T. 0.01 min

Lab File: BM002204.D

Acq: 03 Aug 2015 19:12

Instrument :

BNA_M

ClientSampled :

C01S2

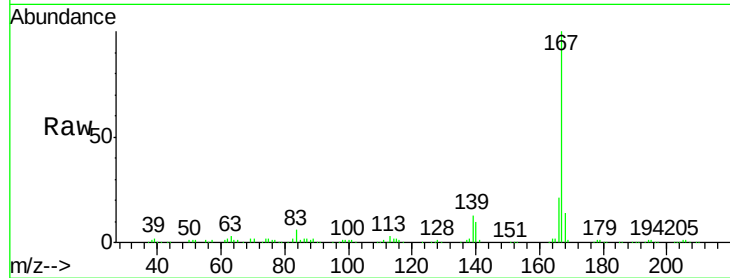
Tgt Ion:167 Resp: 284538

Ion Ratio Lower Upper

167 100

166 21.0 16.2 24.4

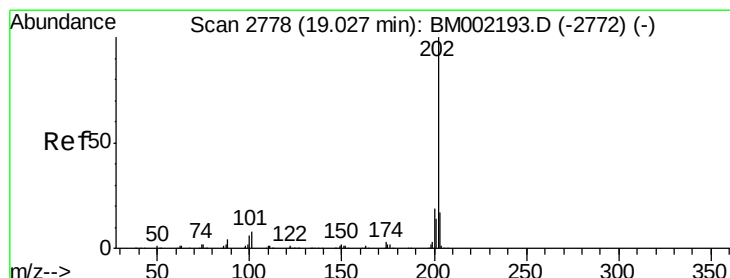
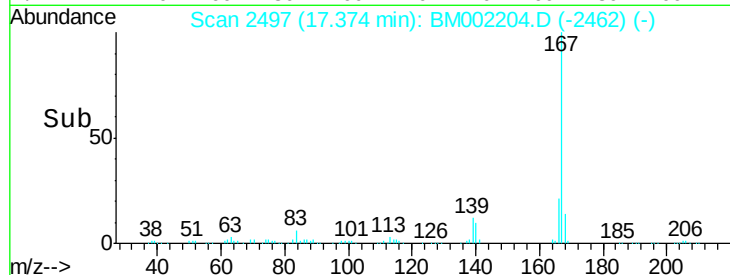
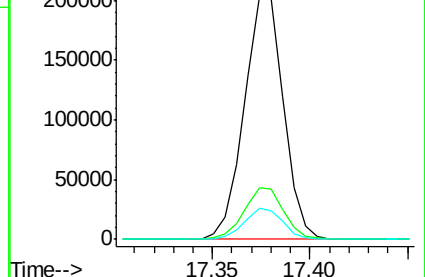
139 12.6 9.6 14.4



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



#77

Fluoranthene

Concen: 1.59 ng/ul

RT: 19.19 min Scan# 2806

Delta R.T. 0.16 min

Lab File: BM002204.D

Acq: 03 Aug 2015 19:12

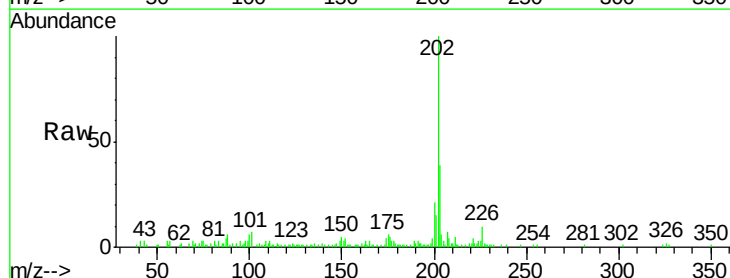
Tgt Ion:202 Resp: 54026

Ion Ratio Lower Upper

202 100

101 6.7 6.2 9.4

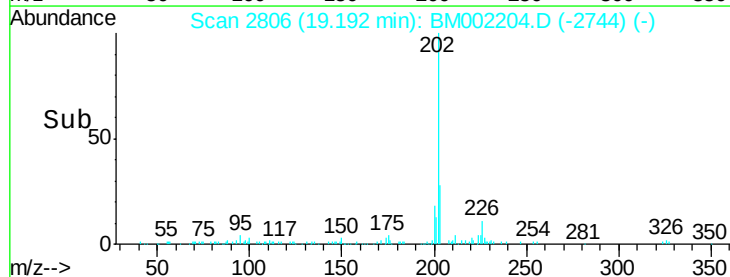
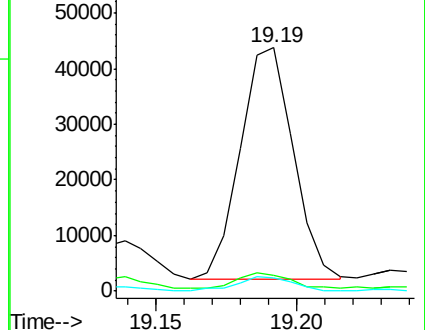
100 5.6 5.2 7.8

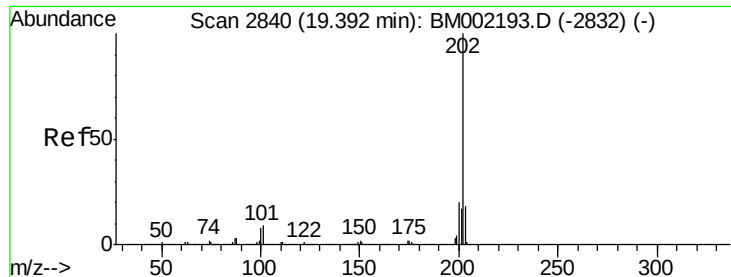


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

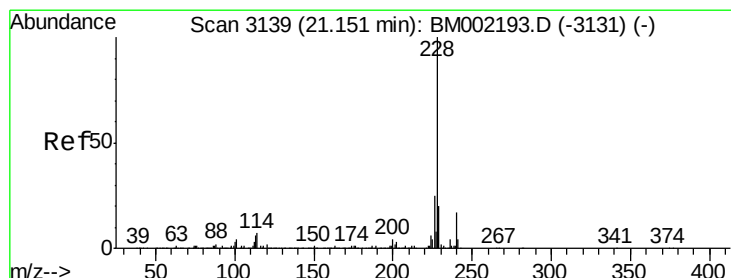
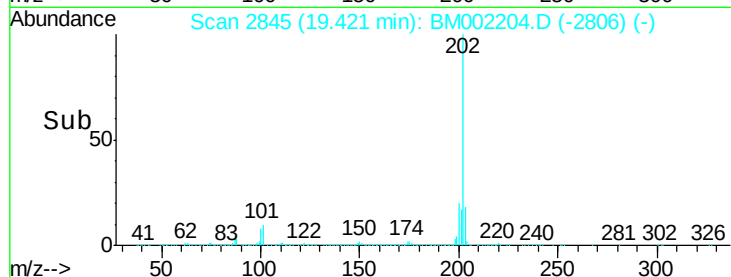
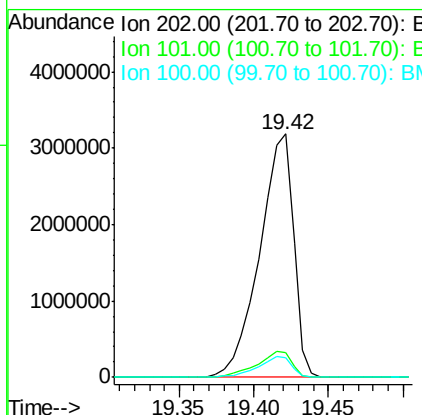
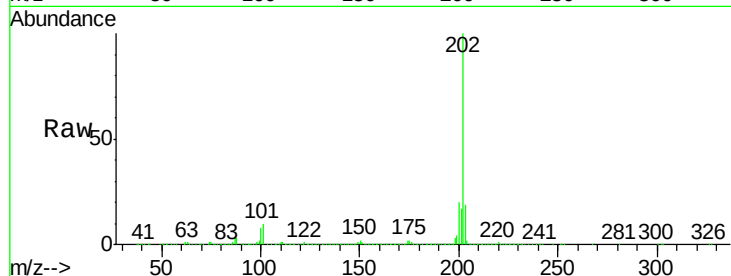




#80
 Pyrene
 Concen: 174.70 ng/ul
 RT: 19.42 min Scan# 2845
 Delta R.T. 0.03 min
 Lab File: BM002204.D
 Acq: 03 Aug 2015 19:12

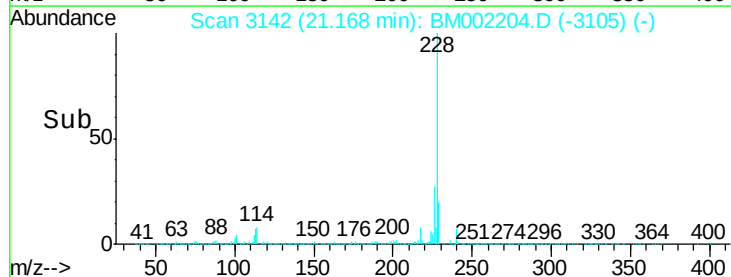
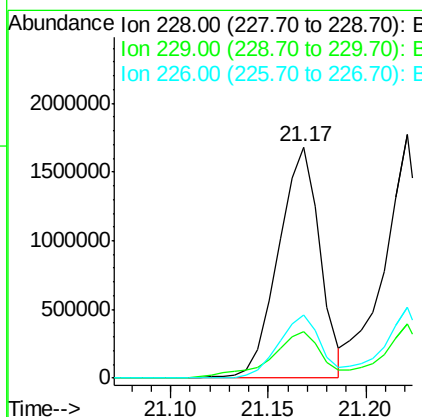
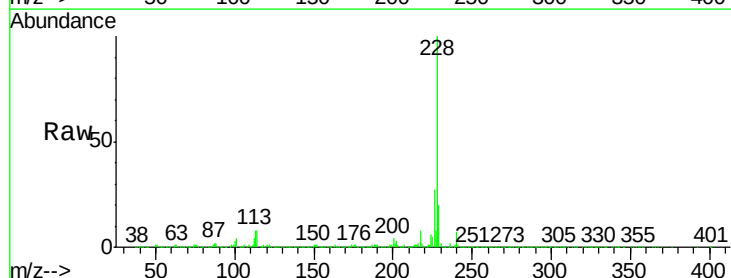
Instrument :
 BNA_M
 ClientSampleId :
 C01S2

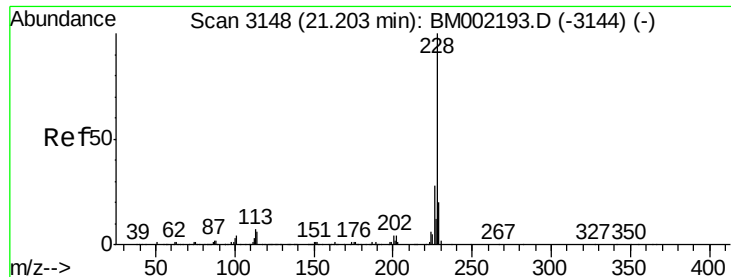
Tgt Ion:202 Resp: 5008828
 Ion Ratio Lower Upper
 202 100
 101 10.1 7.4 11.2
 100 8.2 6.3 9.5



#83
 Benzo(a)anthracene
 Concen: 83.87 ng/ul
 RT: 21.17 min Scan# 3142
 Delta R.T. 0.02 min
 Lab File: BM002204.D
 Acq: 03 Aug 2015 19:12

Tgt Ion:228 Resp: 2449842
 Ion Ratio Lower Upper
 228 100
 229 20.2 15.4 23.2
 226 27.1 20.5 30.7



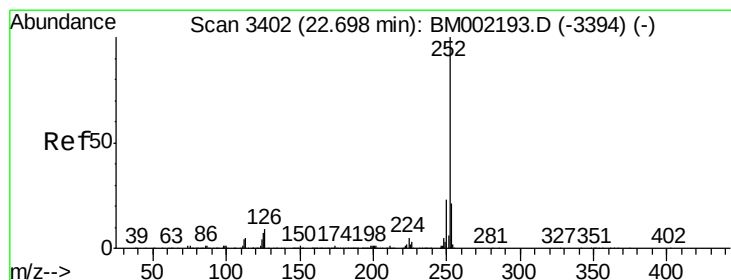
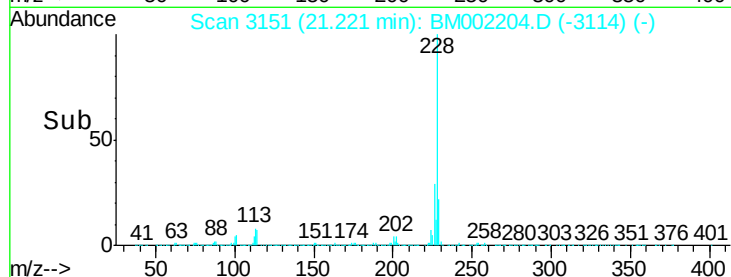
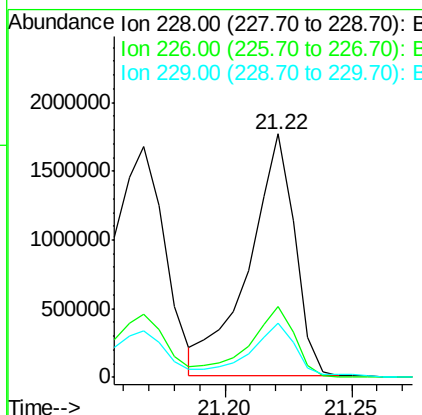
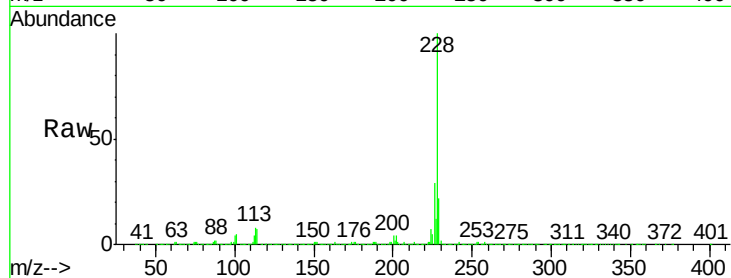


#85
Chrysene
 Concen: 81.86 ng/ul
 RT: 21.22 min Scan# 3151
 Delta R.T. 0.02 min
 Lab File: BM002204.D
 Acq: 03 Aug 2015 19:12

Instrument :
 BNA_M
 ClientSampleId :
 C01S2

Tgt Ion: 228 Resp: 2237095

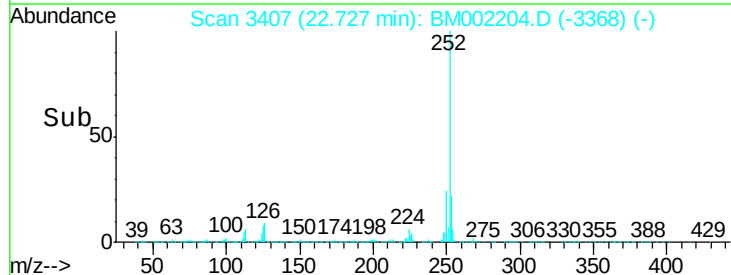
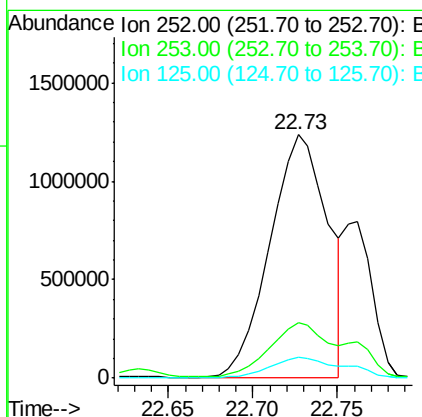
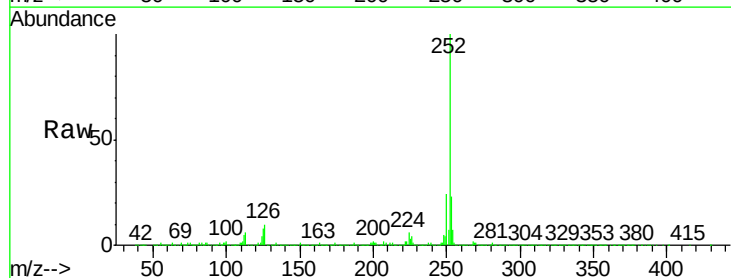
Ion	Ratio	Lower	Upper
228	100		
226	28.9	22.3	33.5
229	22.3	15.5	23.3

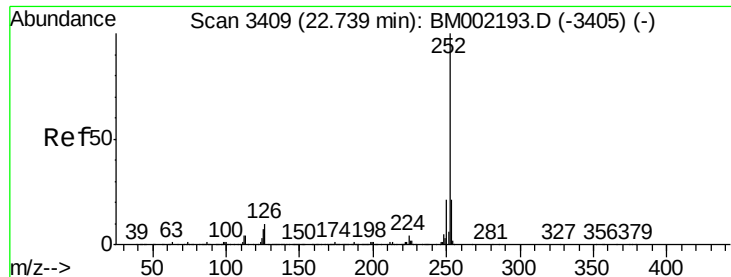


#88
Benzo(b)fluoranthene
 Concen: 106.39 ng/ul
 RT: 22.73 min Scan# 3407
 Delta R.T. 0.03 min
 Lab File: BM002204.D
 Acq: 03 Aug 2015 19:12

Tgt Ion: 252 Resp: 2935935

Ion	Ratio	Lower	Upper
252	100		
253	22.6	16.9	25.3
125	8.4	6.2	9.2

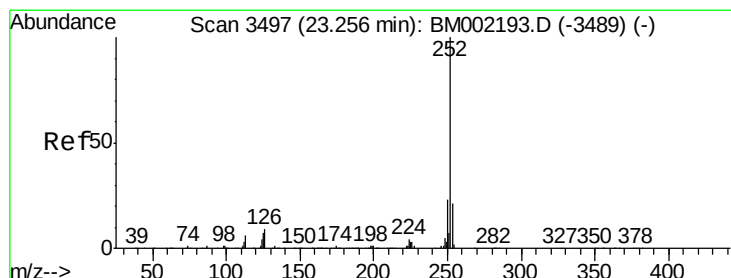
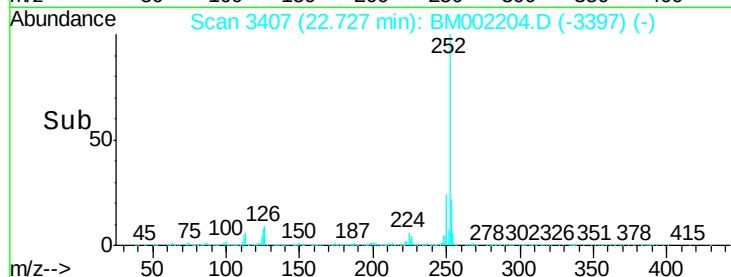
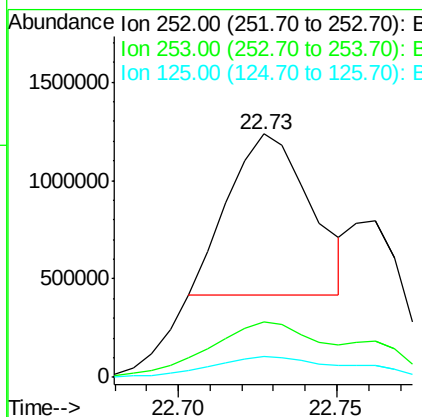
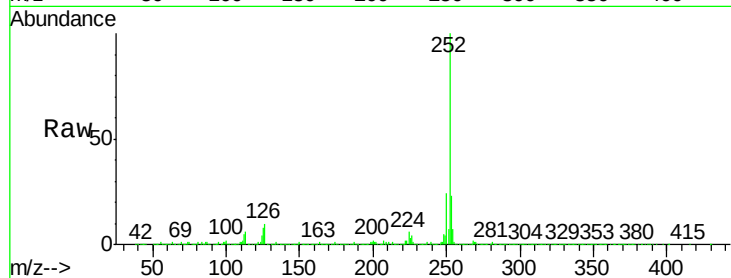




#89
Benzo(k)fluoranthene
Concen: 55.29 ng/ul
RT: 22.73 min Scan# 3407
Delta R.T. -0.01 min
Lab File: BM002204.D
Acq: 03 Aug 2015 19:12

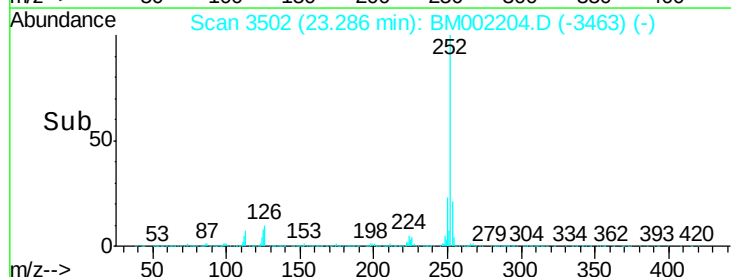
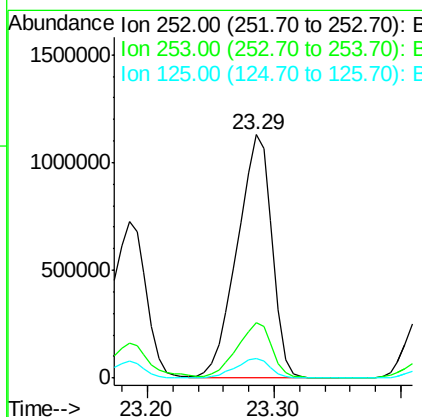
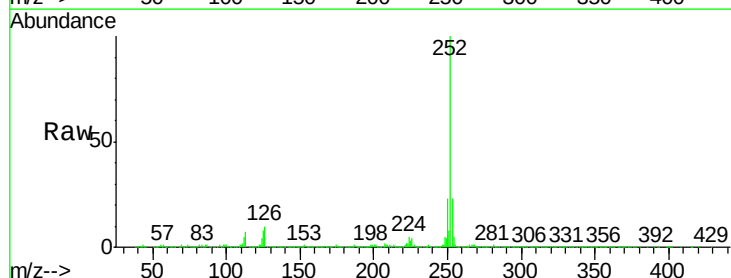
Instrument :
BNA_M
ClientSampleId :
C01S2

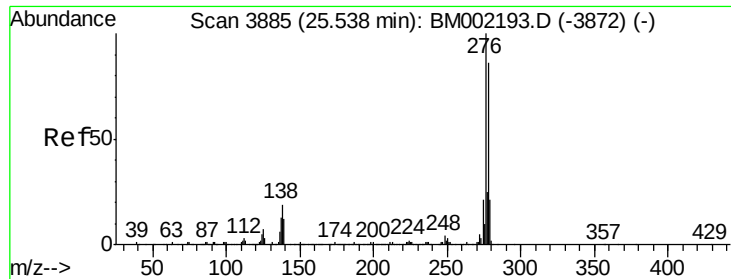
Tgt Ion:252 Resp: 1472319
Ion Ratio Lower Upper
252 100
253 22.6 17.4 26.0
125 8.4 6.2 9.4



#91
Benzo(a)pyrene
Concen: 80.28 ng/ul
RT: 23.29 min Scan# 3502
Delta R.T. 0.03 min
Lab File: BM002204.D
Acq: 03 Aug 2015 19:12

Tgt Ion:252 Resp: 2138426
Ion Ratio Lower Upper
252 100
253 22.5 17.2 25.8
125 8.1 6.6 10.0

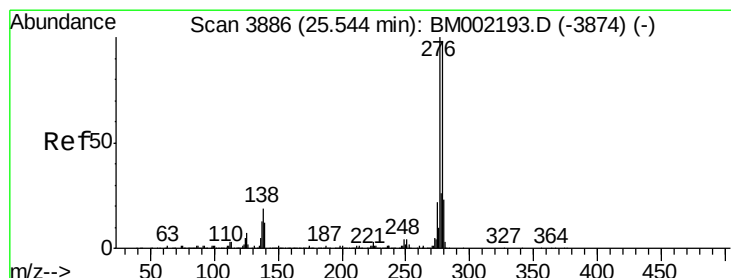
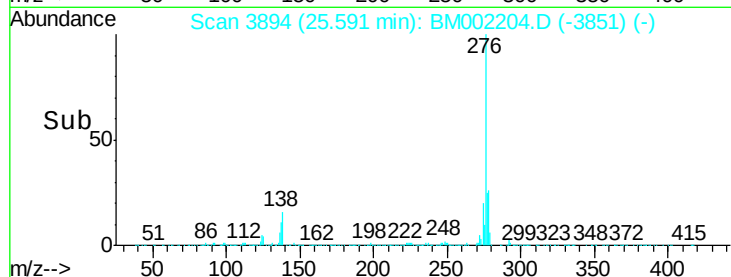
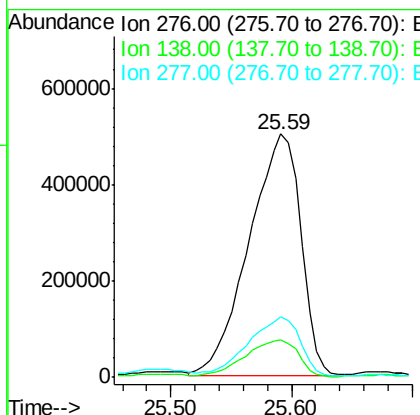
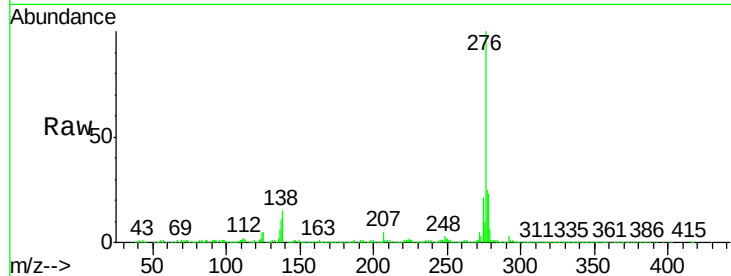




#92
 Indeno(1,2,3-cd)pyrene
 Concen: 48.60 ng/ul
 RT: 25.59 min Scan# 3894
 Delta R.T. 0.05 min
 Lab File: BM002204.D
 Acq: 03 Aug 2015 19:12

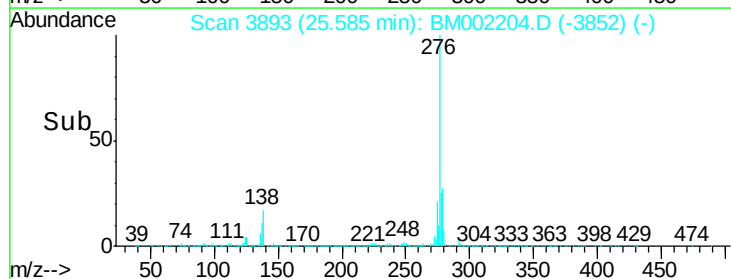
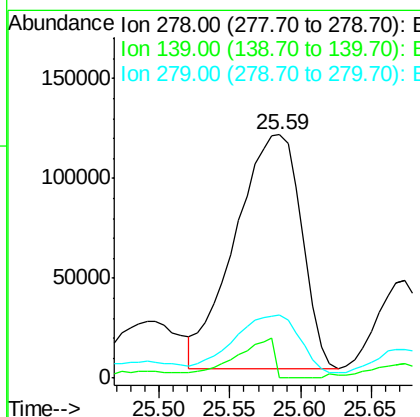
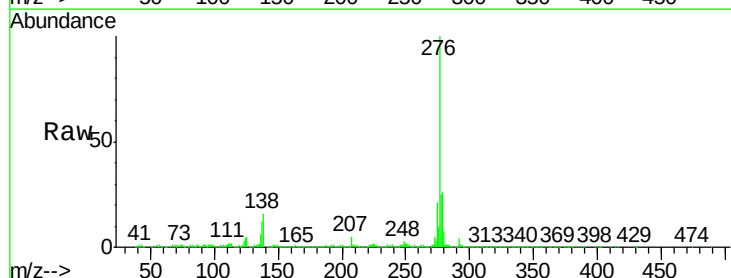
Instrument :
 BNA_M
 ClientSampleId :
 C01S2

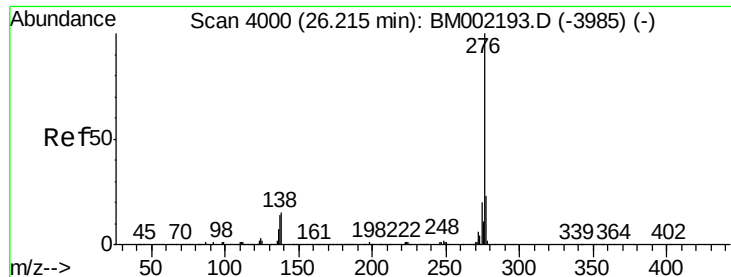
Tgt Ion:276 Resp: 1491896
 Ion Ratio Lower Upper
 276 100
 138 15.4 16.2 24.2#
 277 24.8 19.8 29.8



#93
 Dibenzo(a,h)anthracene
 Concen: 14.70 ng/ul
 RT: 25.59 min Scan# 3893
 Delta R.T. 0.04 min
 Lab File: BM002204.D
 Acq: 03 Aug 2015 19:12

Tgt Ion:278 Resp: 386048
 Ion Ratio Lower Upper
 278 100
 139 0.0 10.6 16.0#
 279 25.7 18.5 27.7





#94

Benzo(g,h,i)perylene

Concen: 53.10 ng/ul

RT: 26.27 min Scan# 4010

Delta R.T. 0.06 min

Lab File: BM002204.D

Acq: 03 Aug 2015 19:12

Instrument :

BNA_M

ClientSampleId :

C01S2

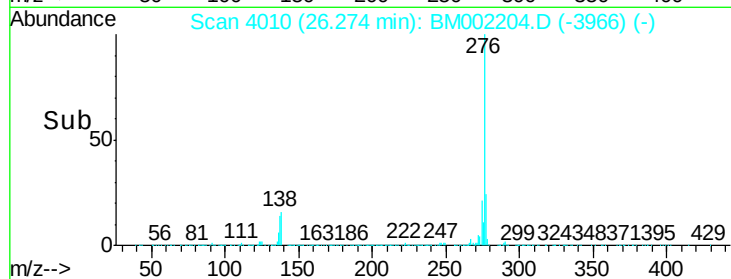
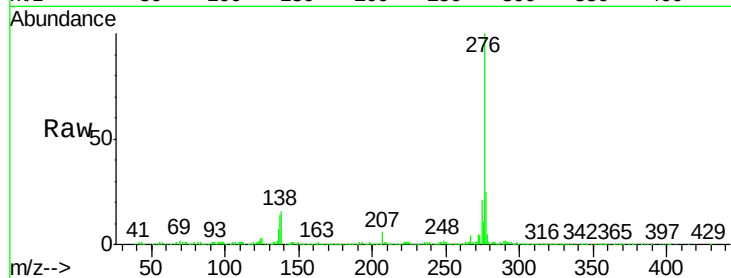
Tgt Ion:276 Resp: 1366292

Ion Ratio Lower Upper

276 100

138 16.2 13.8 20.6

277 25.2 18.2 27.2



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

