

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
 Data File : BM004065.D
 Acq On : 16 Jan 2016 01:37
 Operator : SJ/UM
 Sample : H1100-13
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BC9C7

Quant Time: Jan 16 03:09:49 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jan 16 03:00:58 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	35920	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	172834	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.32	164	101129	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.07	188	225185	20.00	ng/ul	0.00
78) Chrysene-d12	21.28	240	194285	20.00	ng/ul	0.00
86) Perylene-d12	23.52	264	178007	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.13	96	2593	3.23	ng/uL	0.00
5) Phenol-d5	6.85	99	68911	23.11	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	38243	22.69	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	58643	23.93	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	51033	21.12	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	29235	22.46	ng/ul	0.00
22) 2-Nitrophenol-d4	9.54	143	31900	22.35	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	56759	22.38	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	36586	10.93	ng/ul	0.00
44) Dimethylphthalate-d6	13.73	166	185084	23.31	ng/ul	0.00
47) Acenaphthylene-d8	14.01	160	230153	23.80	ng/ul	0.00
52) 4-Nitrophenol-d4	14.55	143	24626	17.27	ng/ul	0.00
58) Fluorene-d10	15.32	176	162578	24.14	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.46	200	14277	11.24	ng/ul	0.00
71) Anthracene-d10	17.17	188	249423	23.95	ng/ul	0.00
79) Pyrene-d10	19.48	212	258515	25.69	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.38	264	216397	24.34	ng/ul	0.00

Target Compounds

						Qvalue
28) Naphthalene	10.50	128	18847	2.09	ng/ul	99
34) 2-Methylnaphthalene	12.12	142	8841	1.39	ng/ul	97
35) 1-Methylnaphthalene	12.35	142	8412	1.39	ng/ul#	96
45) Dimethylphthalate	13.78	163	77867	9.62	ng/ul	100
48) Acenaphthylene	14.04	152	42600	4.02	ng/ul	99
50) Acenaphthene	14.39	153	21962	3.13	ng/ul	98
54) Dibenzofuran	14.72	168	13152	1.34	ng/ul	99
59) Fluorene	15.37	166	31441	4.04	ng/ul	99
70) Phenanthrene	17.12	178	530407	41.89	ng/ul	100
72) Anthracene	17.20	178	138903	10.69	ng/ul	100
75) Carbazole	17.48	167	60038	5.26	ng/ul	98
77) Fluoranthene	19.14	202	963860	73.25	ng/ul	99
80) Pyrene	19.51	202	993219	75.31	ng/ul	98
83) Benzo(a)anthracene	21.26	228	462984	40.02	ng/ul	97
85) Chrysene	21.32	228	492167	44.77	ng/ul	97
88) Benzo(b)fluoranthene	22.85	252	515596	47.64	ng/ul	98
89) Benzo(k)fluoranthene	22.85	252	263968	25.63	ng/ul	97
91) Benzo(a)pyrene	23.43	252	390601	38.06	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.77	276	230266	20.28	ng/ul	97
93) Dibenzo(a,h)anthracene	25.78	278	69689	7.31	ng/ul#	91
94) Benzo(g,h,i)perylene	26.47	276	187627	19.68	ng/ul	99

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
Data File : BM004065.D
Acq On : 16 Jan 2016 01:37
Operator : SJ/UM
Sample : H1100-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BC9C7

Quant Time: Jan 16 03:09:49 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jan 16 03:00:58 2016
Response via : Initial Calibration

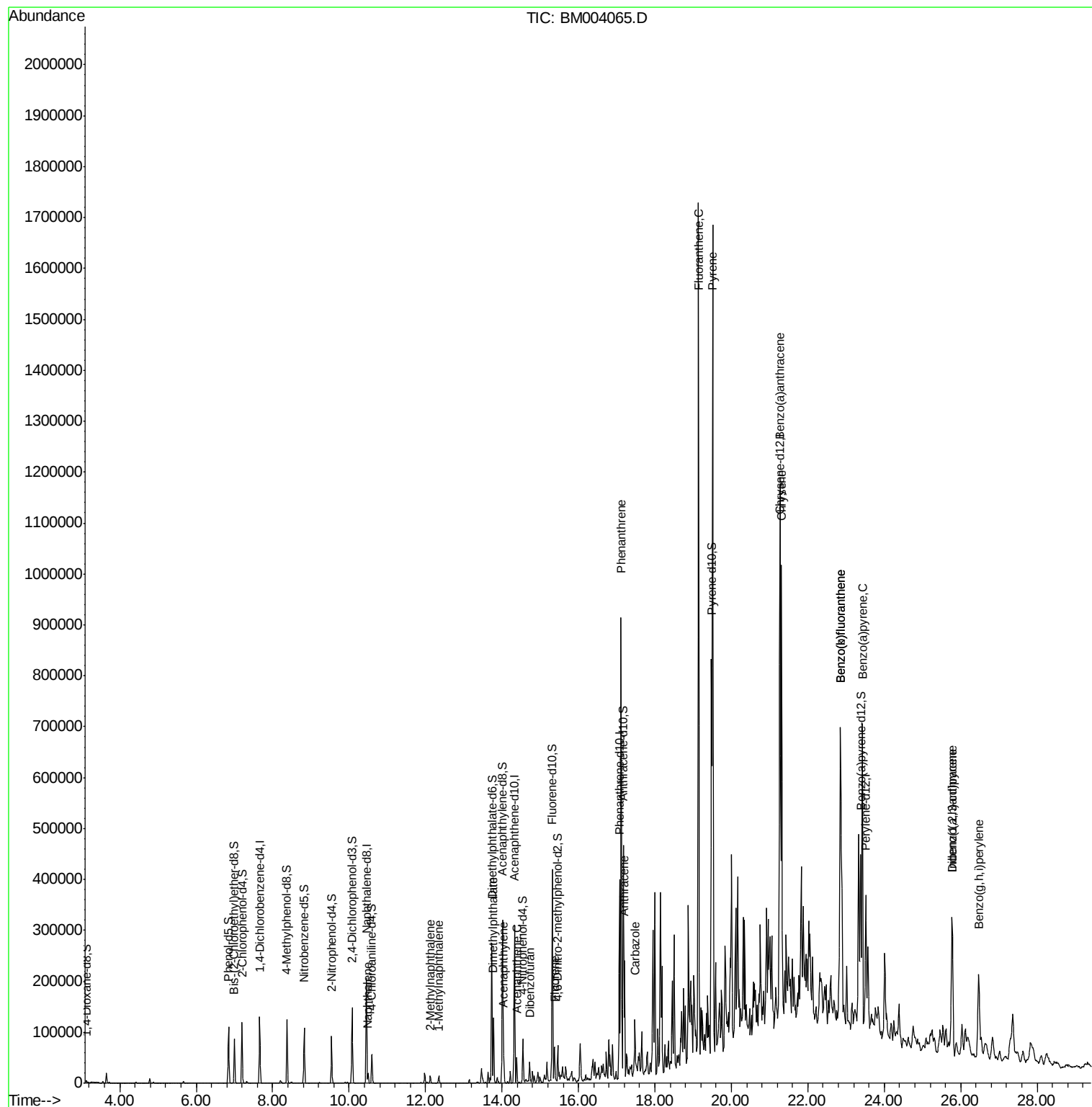
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

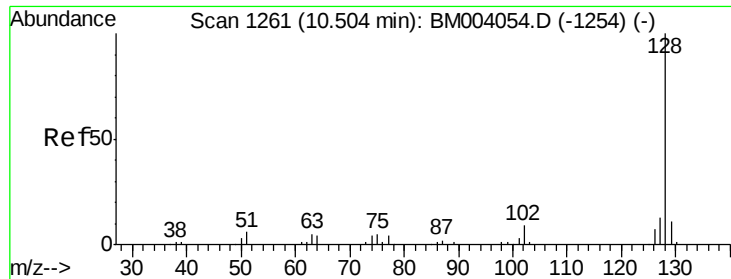
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM011616\
Data File : BM004065.D
Acq On : 16 Jan 2016 01:37
Operator : SJ/UM
Sample : H1100-13
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BC9C7

Quant Time: Jan 16 03:09:49 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM010116.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Jan 16 03:00:58 2016
Response via : Initial Calibration

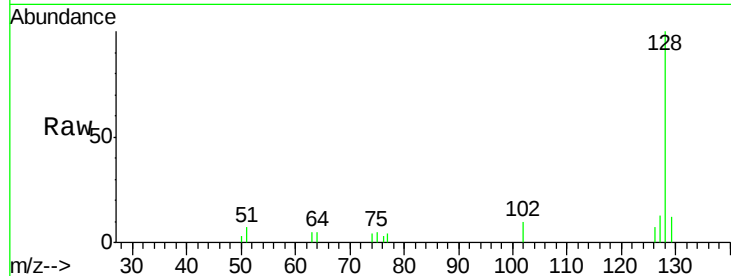




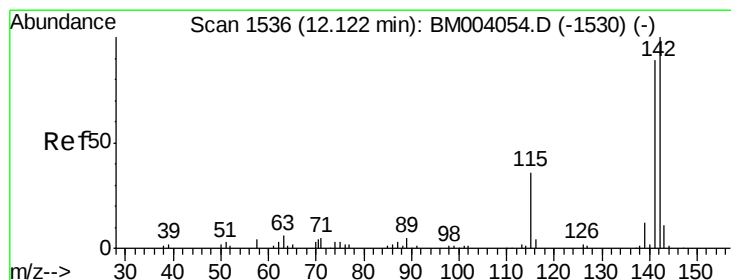
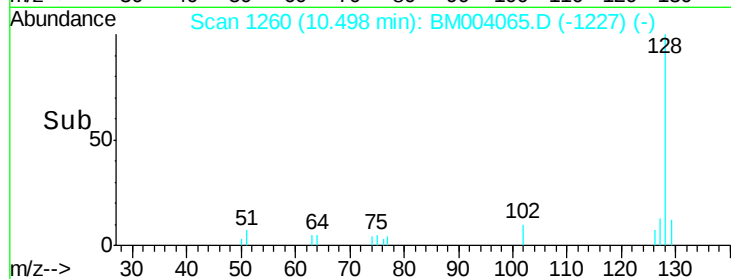
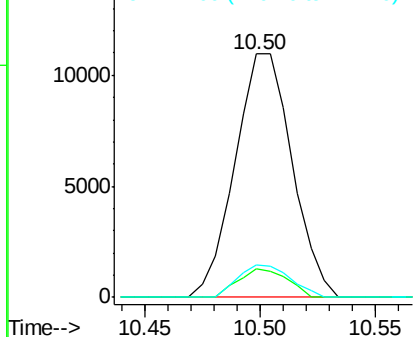
#28
Naphthalene
Concen: 2.09 ng/ul
RT: 10.50 min Scan# 1260
Delta R.T. -0.01 min
Lab File: BM004065.D
Acq: 16 Jan 2016 01:37

Instrument :
BNA_M
ClientSampled :
BC9C7

Tgt Ion:128 Resp: 18847
Ion Ratio Lower Upper
128 100
129 11.8 8.8 13.2
127 13.3 10.5 15.7

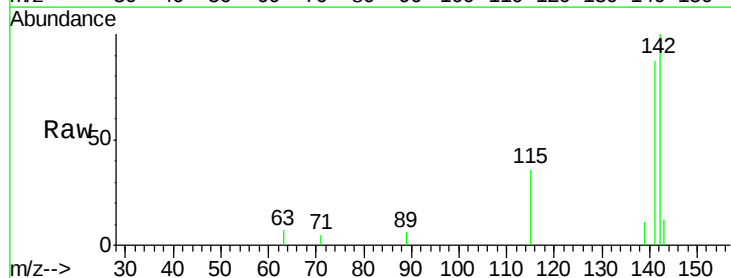


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

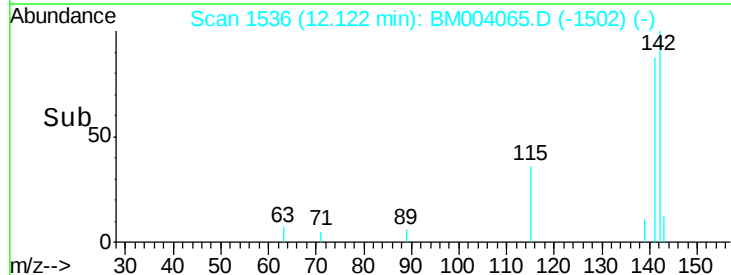
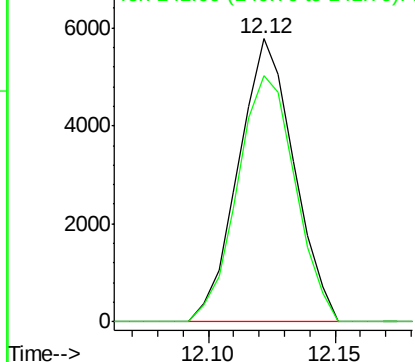


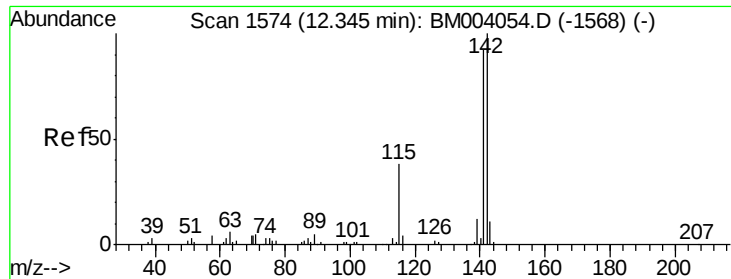
#34
2-Methylnaphthalene
Concen: 1.39 ng/ul
RT: 12.12 min Scan# 1536
Delta R.T. 0.00 min
Lab File: BM004065.D
Acq: 16 Jan 2016 01:37

Tgt Ion:142 Resp: 8841
Ion Ratio Lower Upper
142 100
141 86.8 71.6 107.4



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E

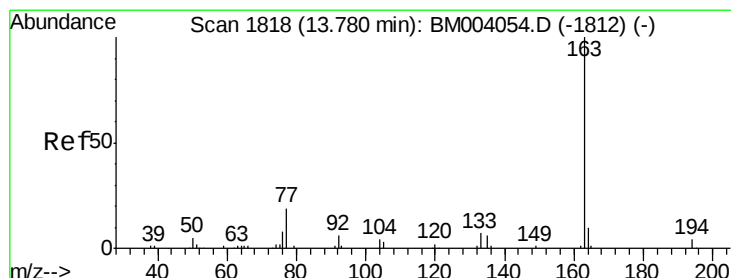
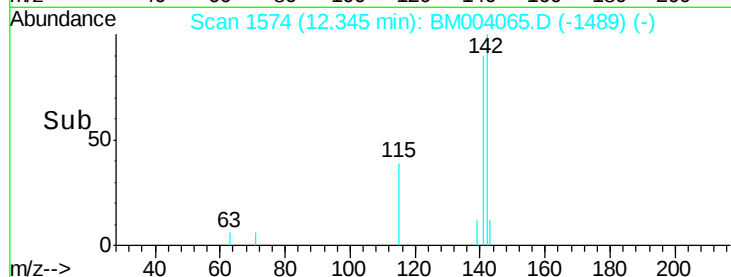
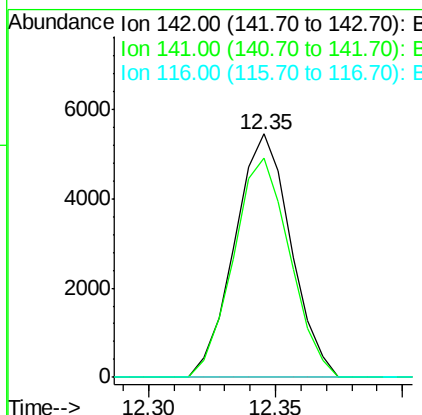
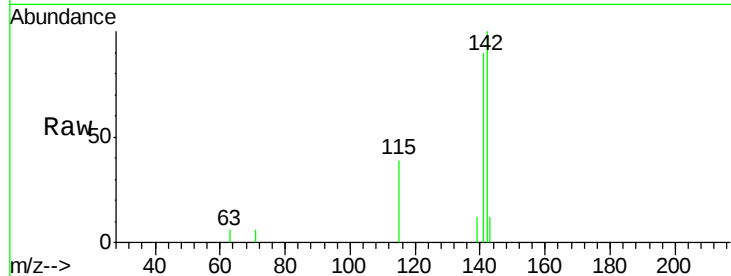




#35
 1-Methylnaphthalene
 Concen: 1.39 ng/ul
 RT: 12.35 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: BM004065.D
 Acq: 16 Jan 2016 01:37

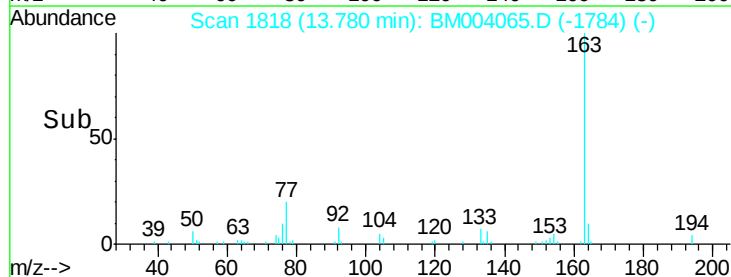
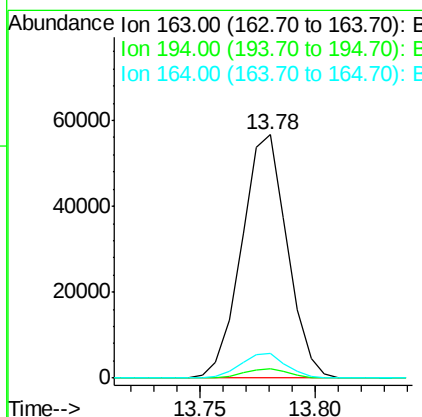
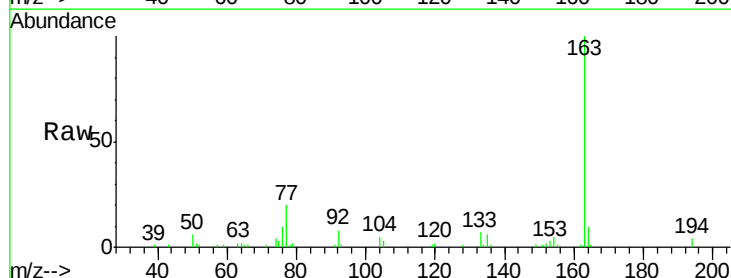
Instrument :
 BNA_M
 ClientSampleId :
 BC9C7

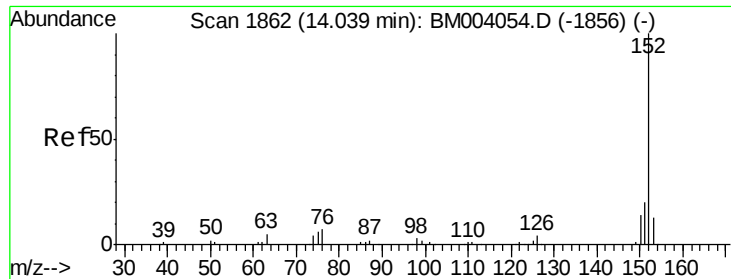
Tgt Ion:142 Resp: 8412
 Ion Ratio Lower Upper
 142 100
 141 89.9 74.9 112.3
 116 0.0 3.1 4.7#



#45
 Dimethylphthalate
 Concen: 9.62 ng/ul
 RT: 13.78 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: BM004065.D
 Acq: 16 Jan 2016 01:37

Tgt Ion:163 Resp: 77867
 Ion Ratio Lower Upper
 163 100
 194 4.0 3.2 4.8
 164 10.0 7.8 11.8





#48

Acenaphthylene

Concen: 4.02 ng/ul

RT: 14.04 min Scan# 1862

Delta R.T. 0.00 min

Lab File: BM004065.D

Acq: 16 Jan 2016 01:37

Instrument :

BNA_M

ClientSampleId :

BC9C7

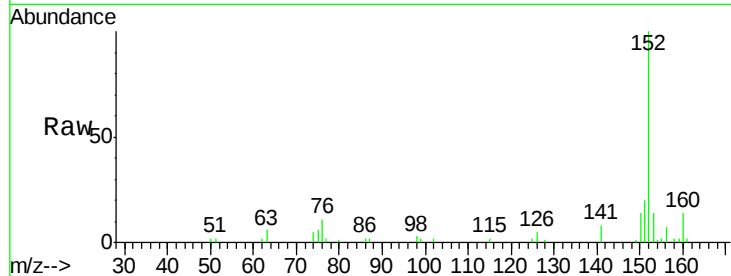
Tgt Ion:152 Resp: 42600

Ion Ratio Lower Upper

152 100

151 19.6 15.7 23.5

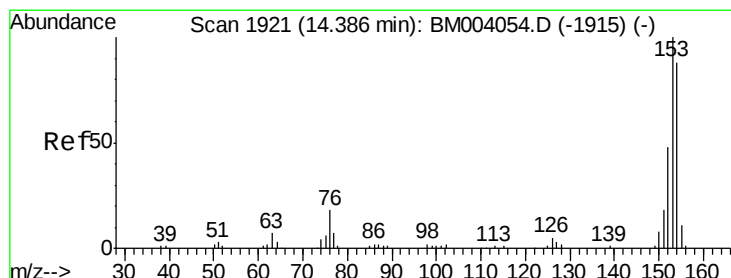
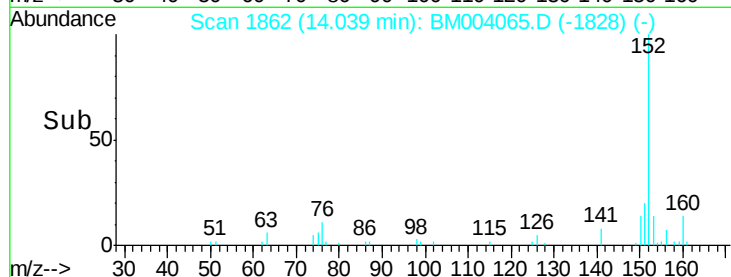
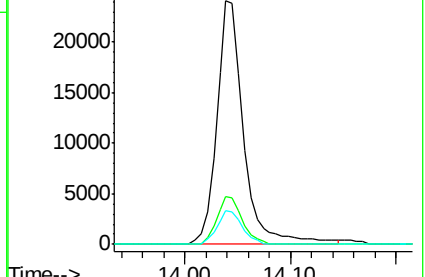
153 14.0 10.5 15.7



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: 3.13 ng/ul

RT: 14.39 min Scan# 1921

Delta R.T. 0.00 min

Lab File: BM004065.D

Acq: 16 Jan 2016 01:37

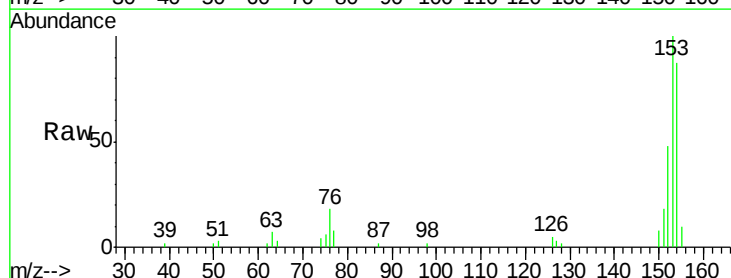
Tgt Ion:153 Resp: 21962

Ion Ratio Lower Upper

153 100

152 48.3 38.3 57.5

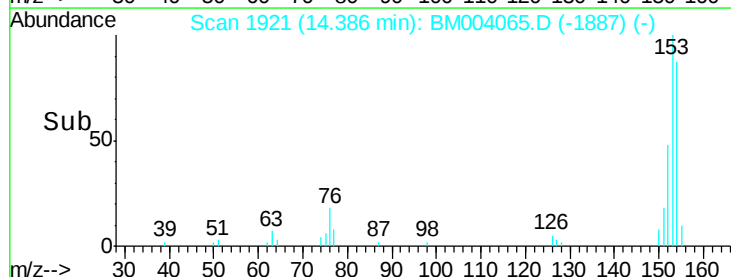
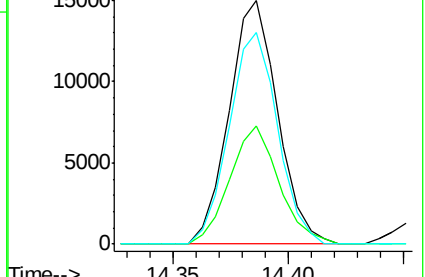
154 86.8 71.8 107.8

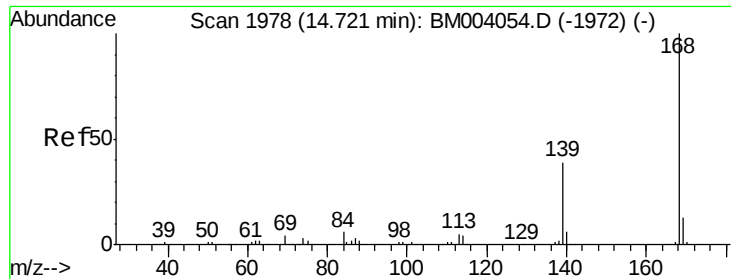


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#54

Dibenzenofuran

Concen: 1.34 ng/ul

RT: 14.72 min Scan# 1978

Delta R.T. 0.00 min

Lab File: BM004065.D

Acq: 16 Jan 2016 01:37

Instrument :

BNA_M

ClientSampled :

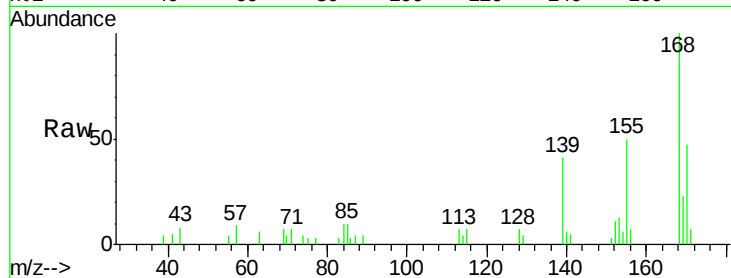
BC9C7

Tgt Ion:168 Resp: 13152

Ion Ratio Lower Upper

168 100

139 40.5 32.2 48.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.72

10000

8000

6000

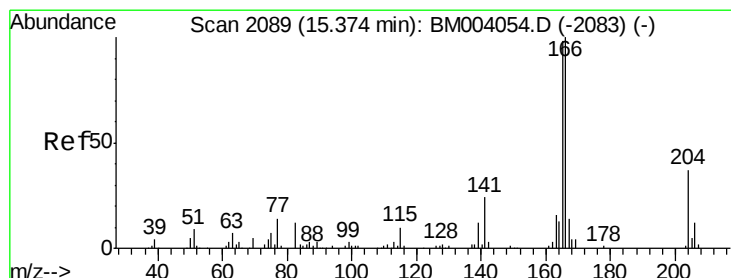
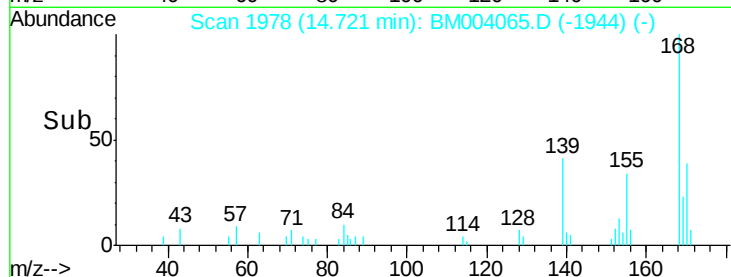
4000

2000

0

Time-->

14.70 14.75



#59

Fluorene

Concen: 4.04 ng/ul

RT: 15.37 min Scan# 2089

Delta R.T. 0.00 min

Lab File: BM004065.D

Acq: 16 Jan 2016 01:37

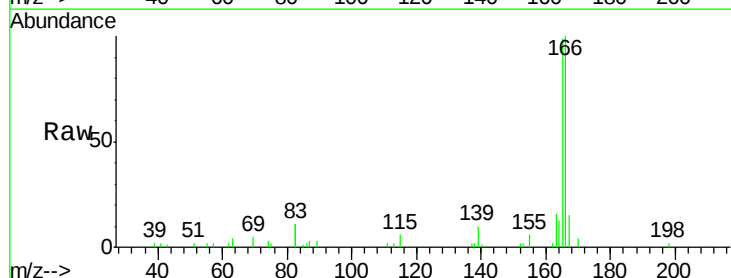
Tgt Ion:166 Resp: 31441

Ion Ratio Lower Upper

166 100

165 99.0 78.5 117.7

167 14.9 10.7 16.1



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

15.37

25000

20000

15000

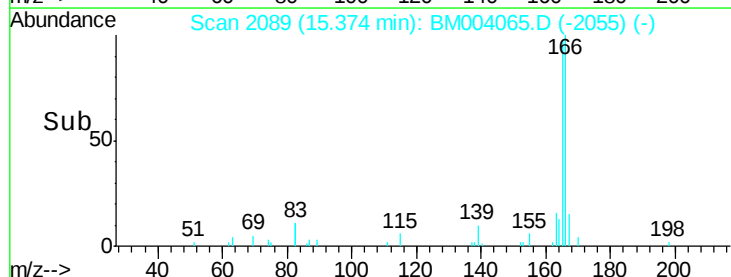
10000

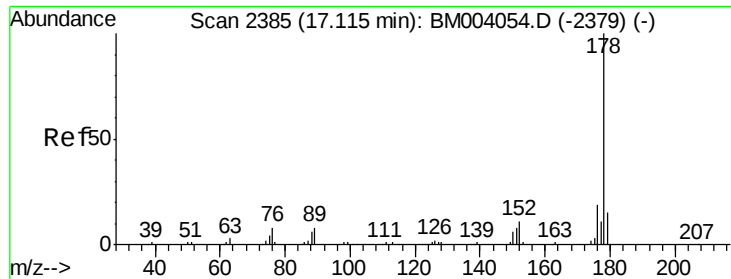
5000

0

Time-->

15.30 15.35 15.40 15.45





#70

Phenanthrene

Concen: 41.89 ng/ul

RT: 17.12 min Scan# 2385

Delta R.T. 0.00 min

Lab File: BM004065.D

Acq: 16 Jan 2016 01:37

Instrument :

BNA_M

ClientSampleId :

BC9C7

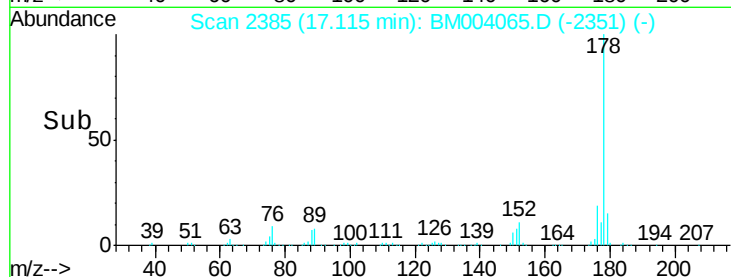
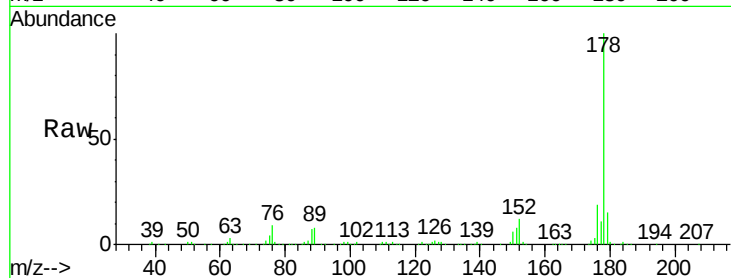
Tgt Ion:178 Resp: 530407

Ion Ratio Lower Upper

178 100

179 15.2 12.2 18.4

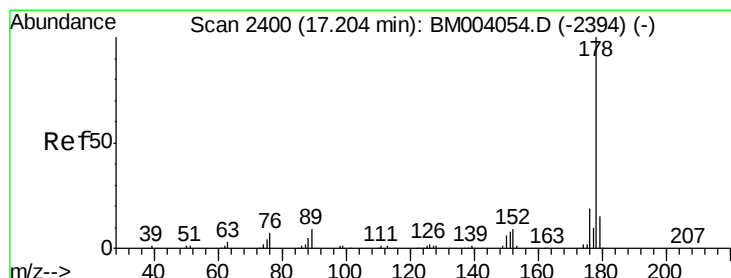
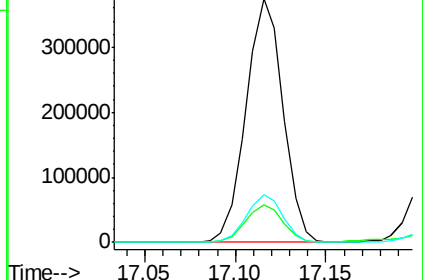
176 19.5 15.6 23.4



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#72

Anthracene

Concen: 10.69 ng/ul

RT: 17.20 min Scan# 2400

Delta R.T. 0.00 min

Lab File: BM004065.D

Acq: 16 Jan 2016 01:37

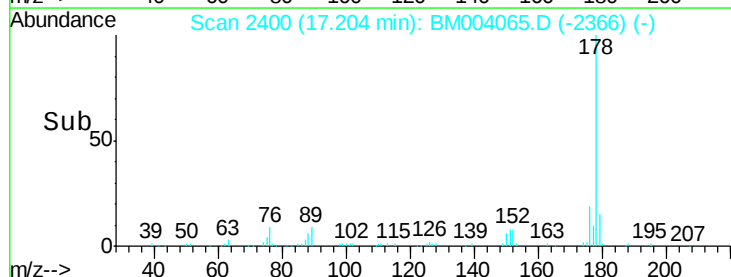
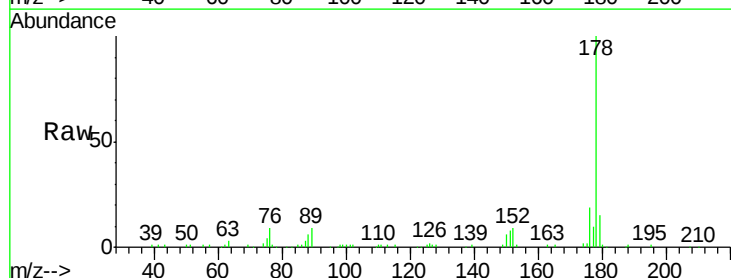
Tgt Ion:178 Resp: 138903

Ion Ratio Lower Upper

178 100

179 15.4 12.1 18.1

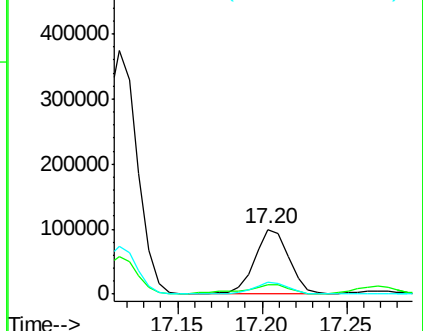
176 18.6 14.8 22.2

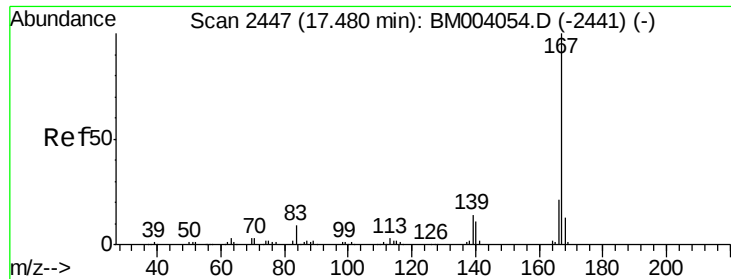


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

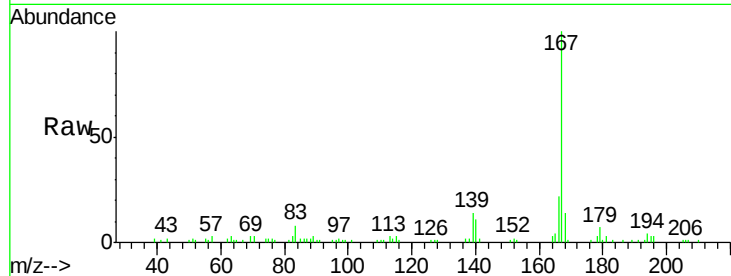




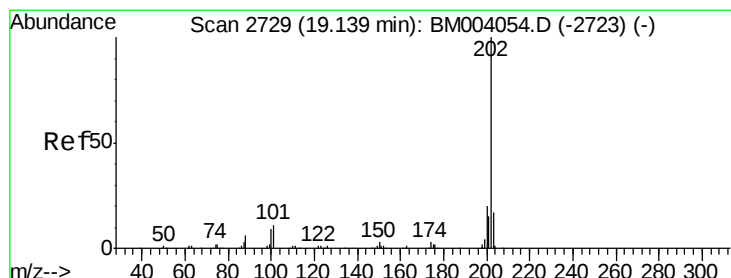
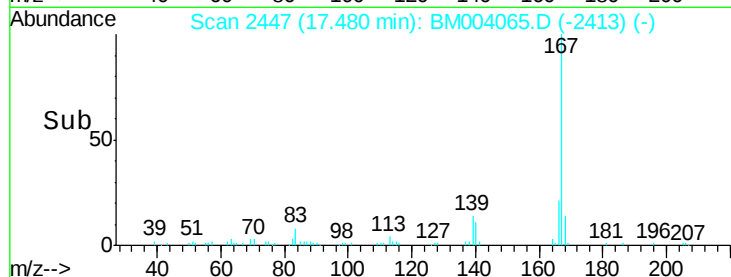
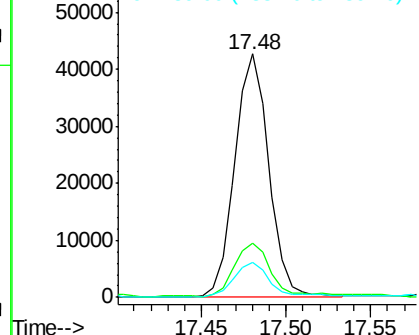
#75
 Carbazole
 Concen: 5.26 ng/ul
 RT: 17.48 min Scan# 2447
 Delta R.T. 0.00 min
 Lab File: BM004065.D
 Acq: 16 Jan 2016 01:37

Instrument :
 BNA_M
 ClientSampled :
 BC9C7

Tgt Ion:167 Resp: 60038
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.0 25.6
 139 14.2 11.0 16.4

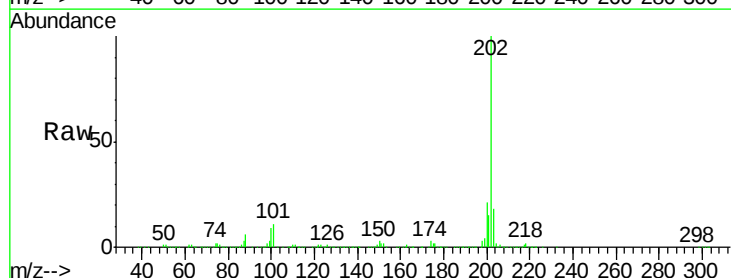


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

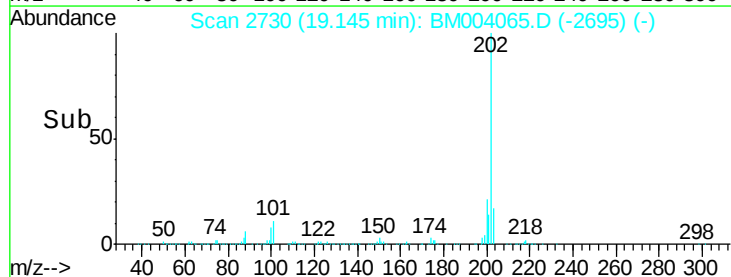
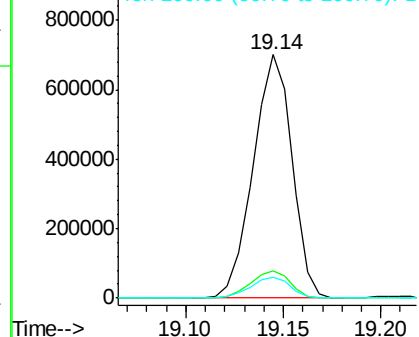


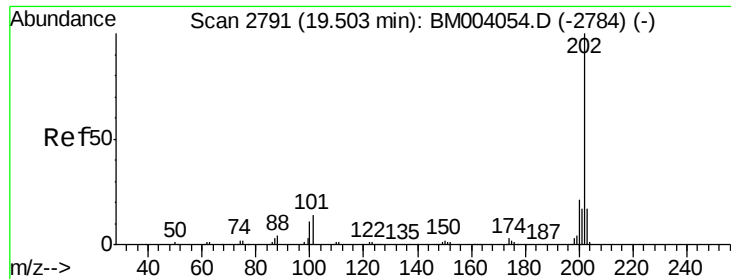
#77
 Fluoranthene
 Concen: 73.25 ng/ul
 RT: 19.14 min Scan# 2730
 Delta R.T. 0.01 min
 Lab File: BM004065.D
 Acq: 16 Jan 2016 01:37

Tgt Ion:202 Resp: 963860
 Ion Ratio Lower Upper
 202 100
 101 11.4 8.8 13.2
 100 8.6 6.6 9.8



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

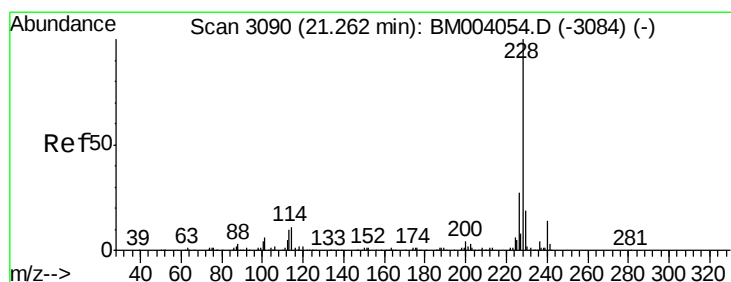
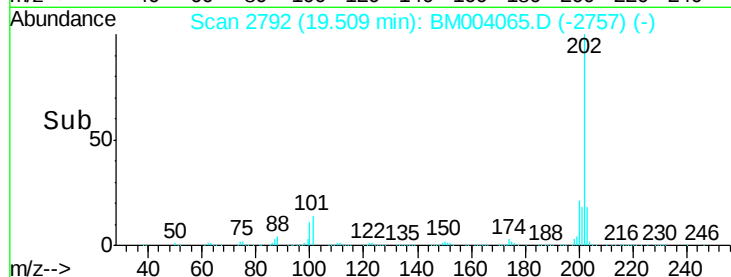
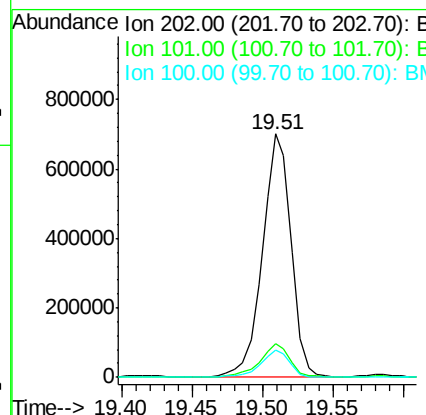
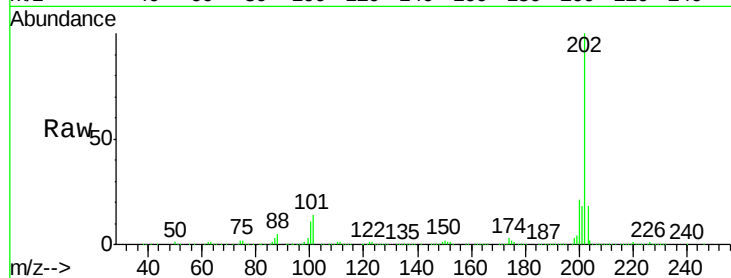




#80
 Pyrene
 Concen: 75.31 ng/u1
 RT: 19.51 min Scan# 2792
 Delta R.T. 0.01 min
 Lab File: BM004065.D
 Acq: 16 Jan 2016 01:37

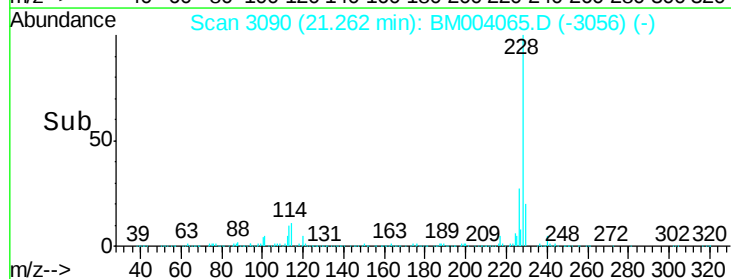
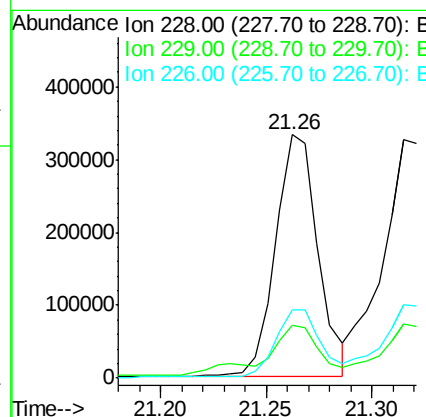
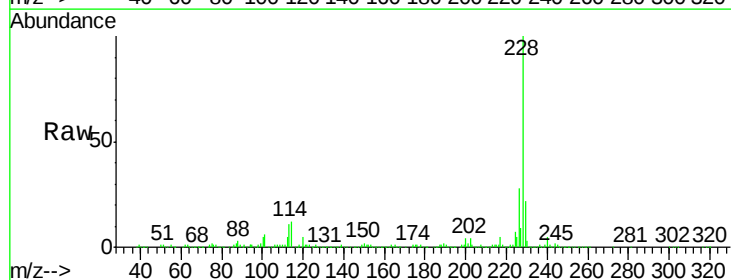
Instrument :
 BNA_M
 ClientSampleId :
 BC9C7

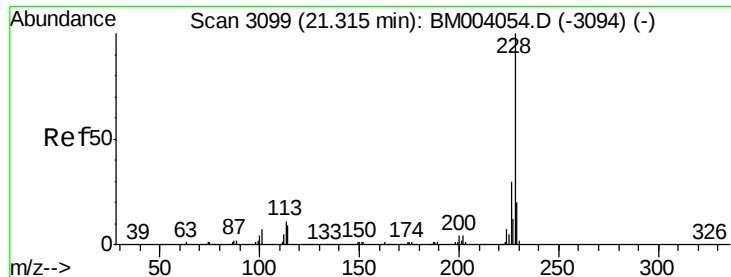
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.7	10.2	15.2
100	11.2	8.5	12.7



#83
 Benzo(a)anthracene
 Concen: 40.02 ng/u1
 RT: 21.26 min Scan# 3090
 Delta R.T. 0.00 min
 Lab File: BM004065.D
 Acq: 16 Jan 2016 01:37

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.7	15.7	23.5
226	28.0	21.8	32.6





#85

Chrysene

Concen: 44.77 ng/u1

RT: 21.32 min Scan# 3099

Delta R.T. 0.00 min

Lab File: BM004065.D

Acq: 16 Jan 2016 01:37

Instrument :

BNA_M

ClientSampleId :

BC9C7

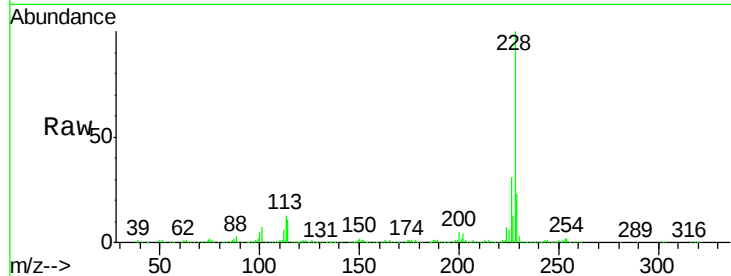
Tgt Ion:228 Resp: 492167

Ion Ratio Lower Upper

228 100

226 30.7 24.0 36.0

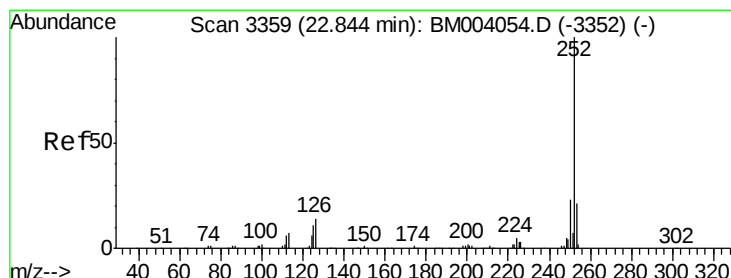
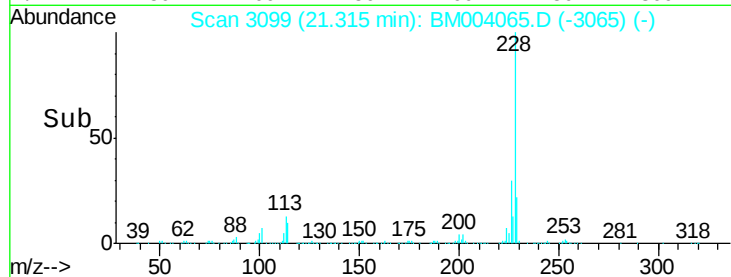
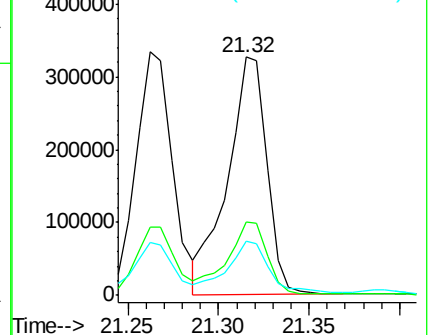
229 22.5 15.6 23.4



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



#88

Benzo(b)fluoranthene

Concen: 47.64 ng/u1

RT: 22.85 min Scan# 3360

Delta R.T. 0.01 min

Lab File: BM004065.D

Acq: 16 Jan 2016 01:37

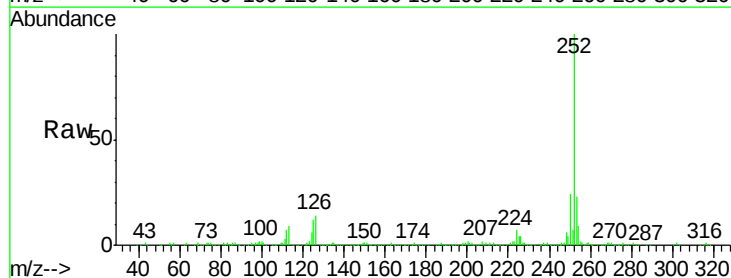
Tgt Ion:252 Resp: 515596

Ion Ratio Lower Upper

252 100

253 22.7 17.5 26.3

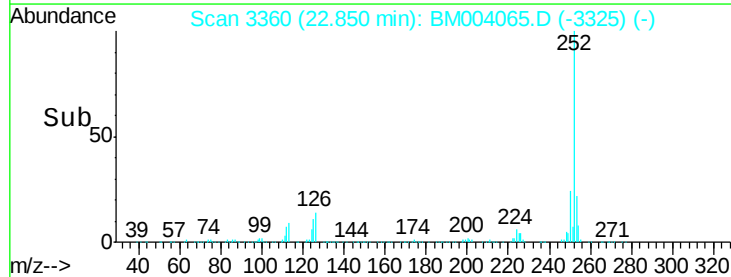
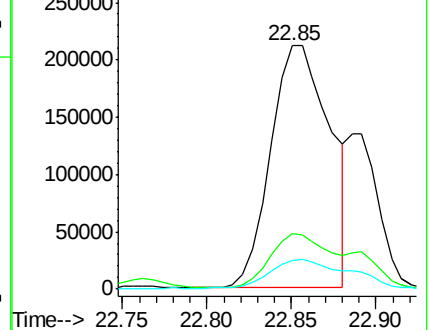
125 11.8 8.5 12.7

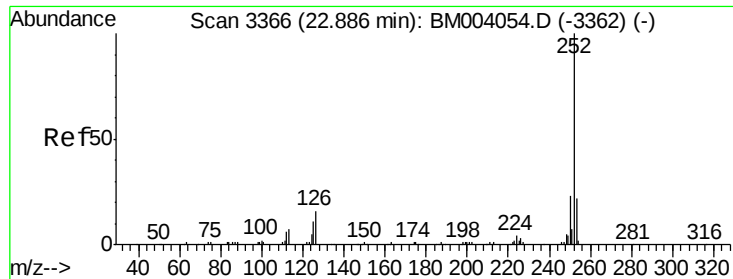


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(k)fluoranthene

Concen: 25.63 ng/u1

RT: 22.85 min Scan# 3360

Delta R.T. -0.04 min

Lab File: BM004065.D

Acq: 16 Jan 2016 01:37

Instrument :

BNA_M

ClientSampleId :

BC9C7

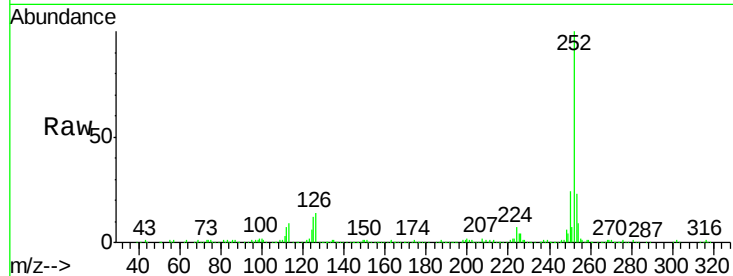
Tgt Ion:252 Resp: 263968

Ion Ratio Lower Upper

252 100

253 22.7 17.3 25.9

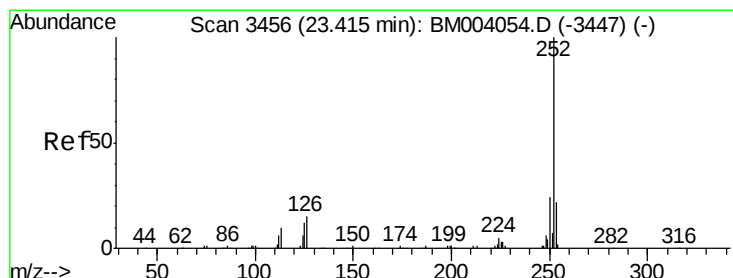
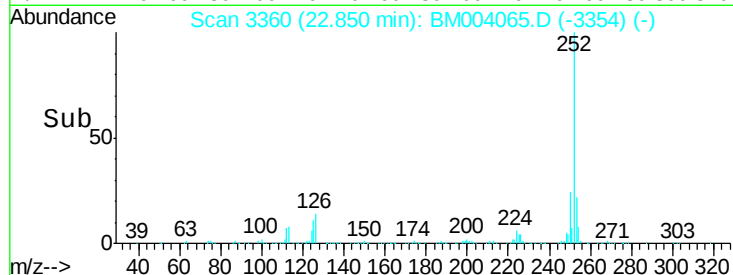
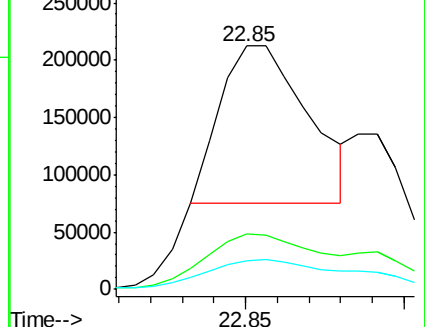
125 11.8 8.2 12.2



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(a)pyrene

Concen: 38.06 ng/u1

RT: 23.43 min Scan# 3458

Delta R.T. 0.01 min

Lab File: BM004065.D

Acq: 16 Jan 2016 01:37

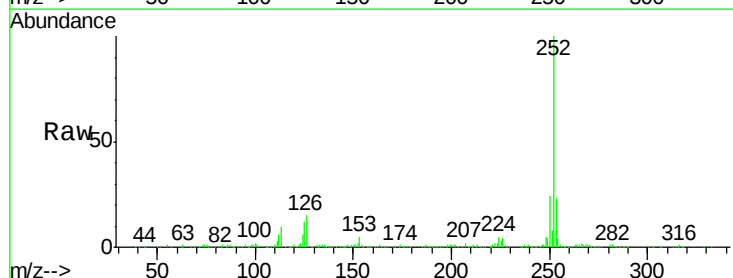
Tgt Ion:252 Resp: 390601

Ion Ratio Lower Upper

252 100

253 22.7 17.2 25.8

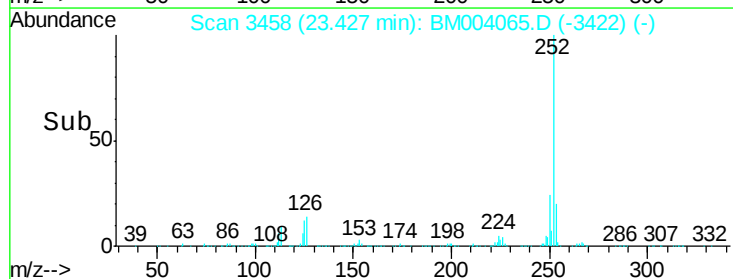
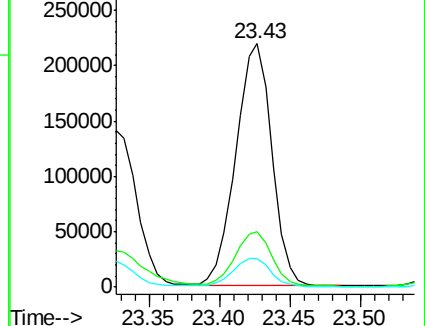
125 11.9 9.0 13.6

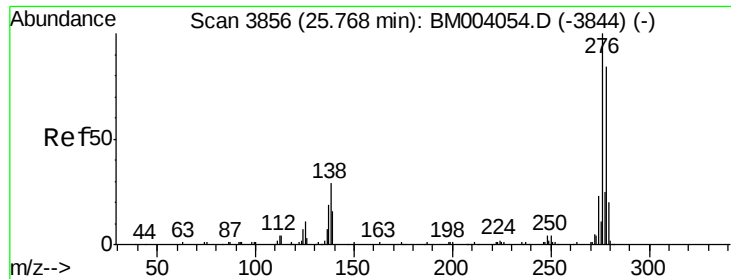


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Indeno(1,2,3-cd)pyrene

Concen: 20.28 ng/ul

RT: 25.77 min Scan# 3857

Delta R.T. 0.01 min

Lab File: BM004065.D

Acq: 16 Jan 2016 01:37

Instrument :

BNA_M

ClientSampled :

BC9C7

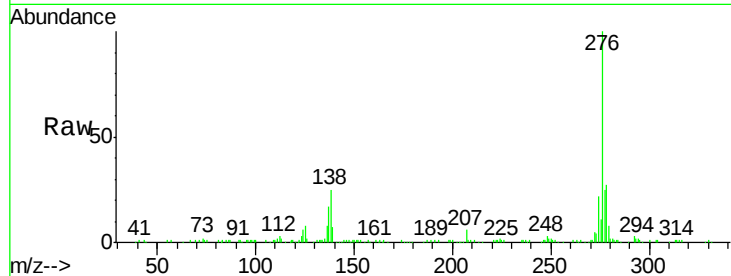
Tgt Ion:276 Resp: 230266

Ion Ratio Lower Upper

276 100

138 24.7 22.3 33.5

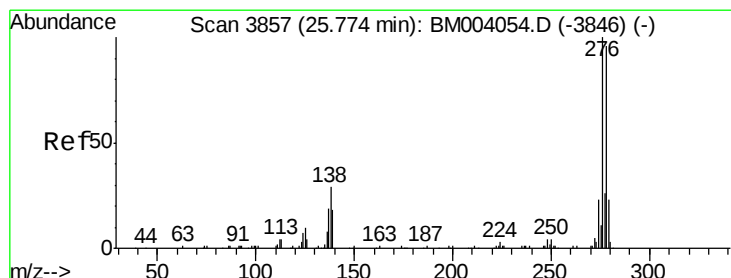
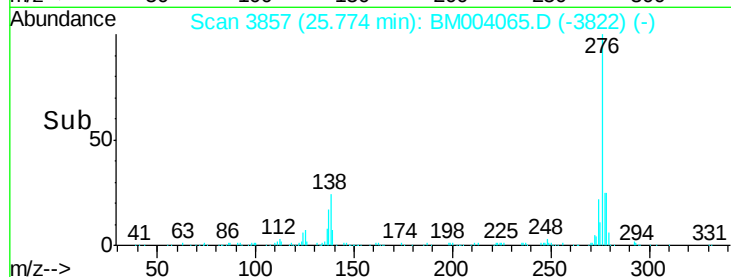
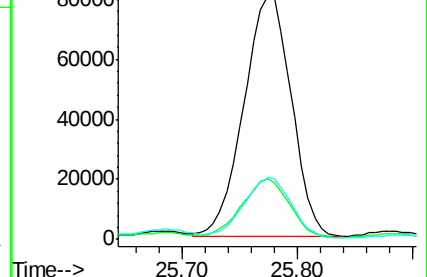
277 25.3 20.2 30.2



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



#93

Dibenzo(a,h)anthracene

Concen: 7.31 ng/ul

RT: 25.78 min Scan# 3858

Delta R.T. 0.01 min

Lab File: BM004065.D

Acq: 16 Jan 2016 01:37

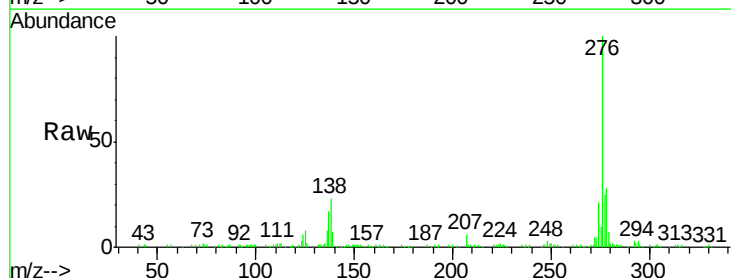
Tgt Ion:278 Resp: 69689

Ion Ratio Lower Upper

278 100

139 23.6 13.9 20.9#

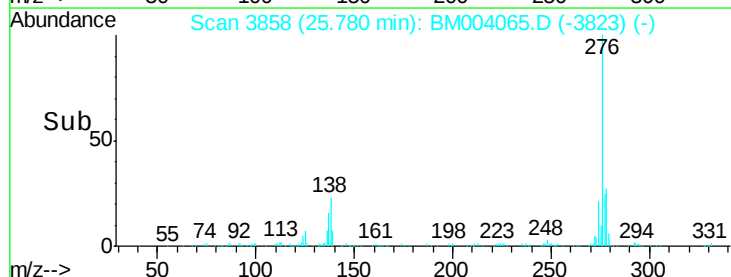
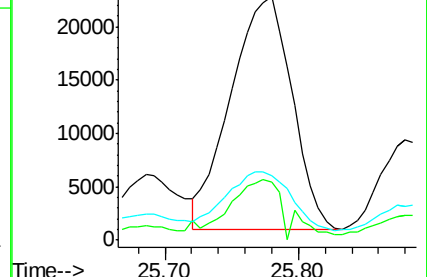
279 26.3 19.0 28.4

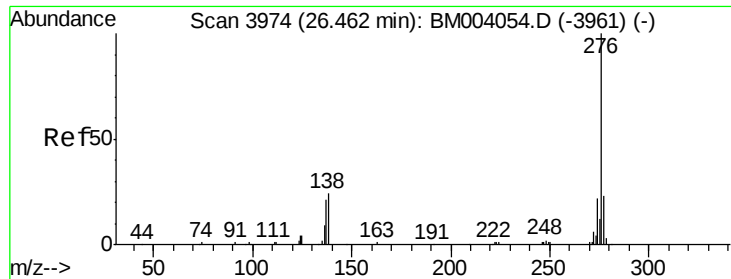


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#94

Benzo(g,h,i)perylene

Concen: 19.68 ng/ul

RT: 26.47 min Scan# 3975

Delta R.T. 0.01 min

Lab File: BM004065.D

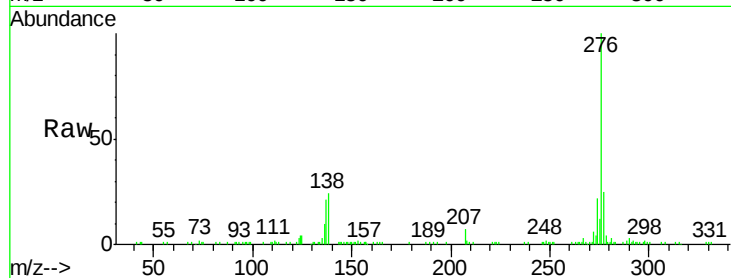
Acq: 16 Jan 2016 01:37

Instrument :

BNA_M

ClientSampleId :

BC9C7



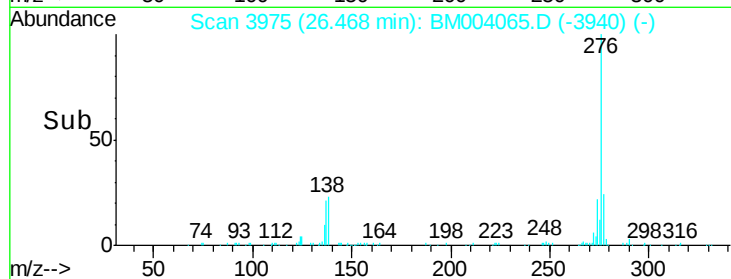
Tgt Ion:276 Resp: 187627

Ion Ratio Lower Upper

276 100

138 24.0 18.9 28.3

277 24.6 19.2 28.8



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

