

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM041615\
 Data File : BM001019.D
 Acq On : 16 Apr 2015 14:25
 Operator : TP/IZ
 Sample : G1749-07
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 X1N66

Quant Time: Apr 16 15:33:01 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM041515.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Apr 16 14:58:57 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	245461	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	1015721	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.24	164	545498	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	1082325	20.00	ng/ul	0.00
75) Chrysene-d12	21.19	240	1048579	20.00	ng/ul	0.00
83) Perylene-d12	23.36	264	972047	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.05	96	21403	4.06	ng/uL	0.00
5) Phenol-d5	6.76	99	541133	27.59	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.92	67	341349	28.56	ng/ul	0.00
9) 2-Chlorophenol-d4	7.12	132	434470	27.91	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	427655	27.45	ng/ul	0.00
19) Nitrobenzene-d5	8.74	128	201451	29.41	ng/ul	0.00
22) 2-Nitrophenol-d4	9.46	143	205776	26.91	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	398912	26.76	ng/ul	0.00
29) 4-Chloroaniline-d4	10.51	131	398653	26.01	ng/ul	0.00
43) Dimethylphthalate-d6	13.66	166	1165559	32.07	ng/ul	0.00
46) Acenaphthylene-d8	13.93	160	1577936	30.33	ng/ul	0.00
51) 4-Nitrophenol-d4	14.46	143	147951	20.49	ng/ul	0.00
57) Fluorene-d10	15.24	176	1097457	30.38	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	79096	12.82	ng/ul	0.00
70) Anthracene-d10	17.09	188	1613611	32.93	ng/ul	0.00
76) Pyrene-d10	19.39	212	1671391	34.34	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.23	264	1455309	33.45	ng/ul	0.00

Target Compounds

						Qvalue
6) Phenol	6.79	94	1021206	49.21	ng/ul	98
20) Nitrobenzene	8.78	77	787018	44.43	ng/ul	98
21) Isophorone	9.30	82	1755005	56.06	ng/ul	100
28) Naphthalene	10.42	128	3067456	58.24	ng/ul	100
34) 2-Methylnaphthalene	12.04	142	1700189	46.21	ng/ul	100
38) 2,4,6-Trichlorophenol	12.66	196	590294	57.34	ng/ul	99
40) 1,1'-Biphenyl	13.07	154	1832353	40.12	ng/ul	98
44) Dimethylphthalate	13.70	163	282610	6.94	ng/ul	99
47) Acenaphthylene	13.96	152	1444382	25.60	ng/ul	100
53) Dibenzofuran	14.64	168	2695168	52.07	ng/ul	100
56) Diethylphthalate	15.07	149	1629894	40.38	ng/ul	99
66) Hexachlorobenzene	16.30	284	413408	34.92	ng/ul	99
68) Pentachlorophenol	16.65	266	342724	51.94	ng/ul	98
71) Anthracene	17.13	178	2908862	47.16	ng/ul	99
72) Carbazole	17.40	167	3210859	58.33	ng/ul	98
74) Fluoranthene	19.06	202	2987092	46.22	ng/ul	99
80) Benzo(a)anthracene	21.17	228	2314486	37.97	ng/ul	100
81) Bis(2-ethylhexyl)phthalate	21.12	149	1858507	50.78	ng/ul	99
84) Di-n-octyl phthalate	21.97	149	3441594	52.40	ng/ul	100
89) Indeno(1,2,3-cd)pyrene	25.54	276	2890254	47.36	ng/ul	99
90) Dibenzo(a,h)anthracene	25.55	278	2559691	49.83	ng/ul	99
91) Benzo(g,h,i)perylene	26.21	276	2591276	50.24	ng/ul	99

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Response via : Initial Calibration

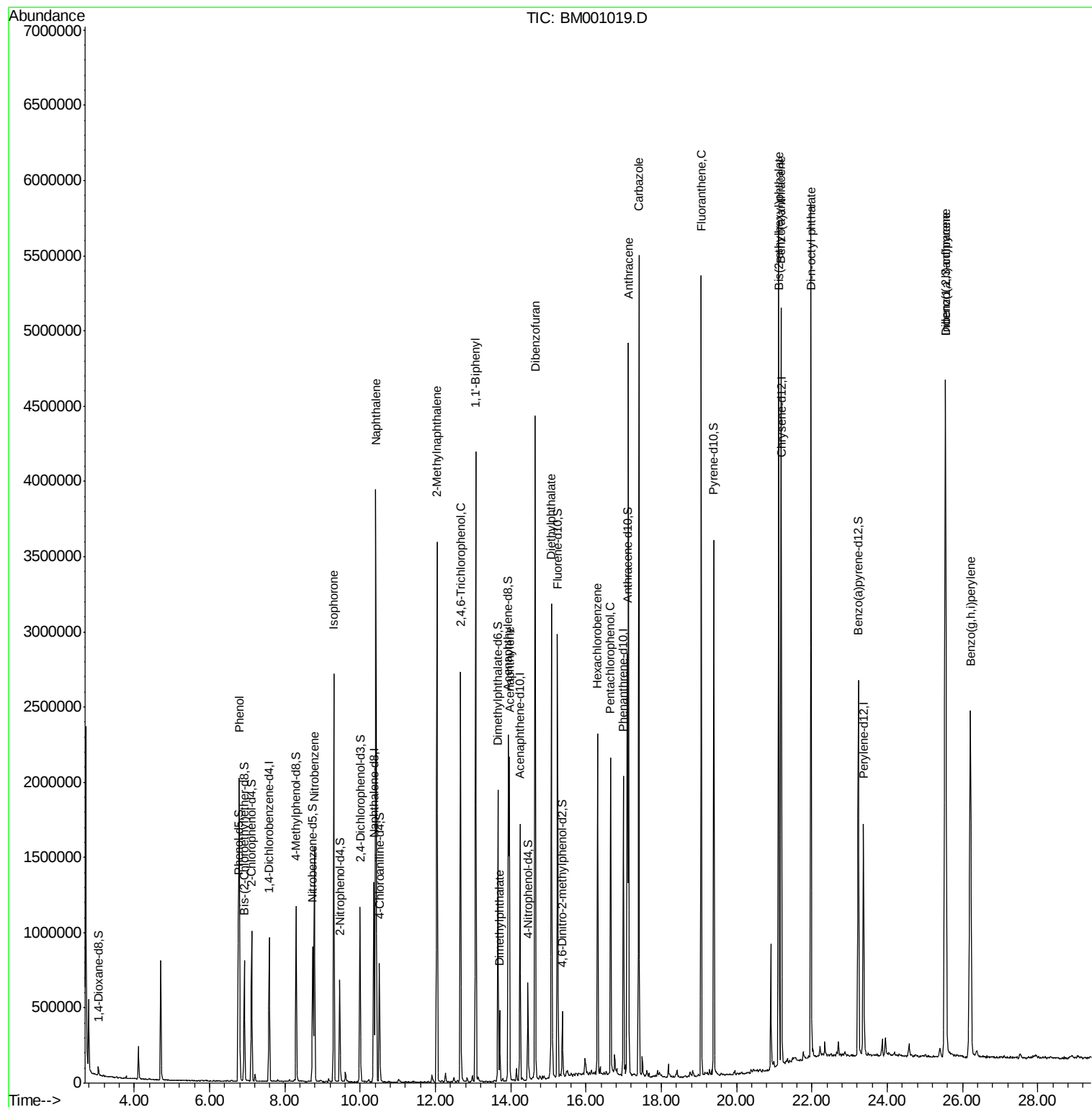
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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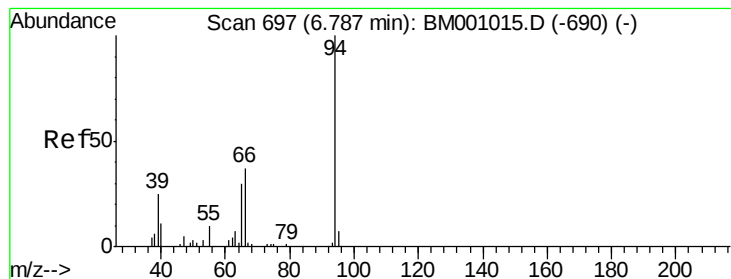
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 49.21 ng/ul

RT: 6.79 min Scan# 697

Delta R.T. -0.00 min

Lab File: BM001019.D

Acq: 16 Apr 2015 14:25

Instrument :

BNA_M

ClientSampleId :

X1N66

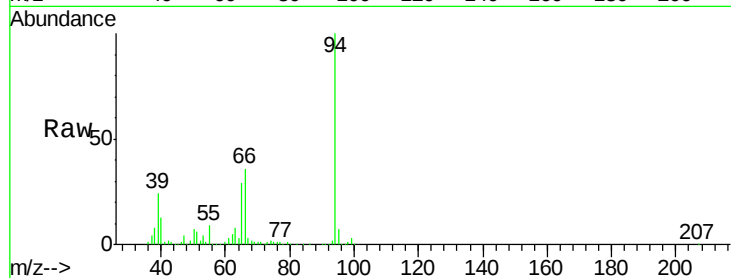
Tgt Ion: 94 Resp: 1021206

Ion Ratio Lower Upper

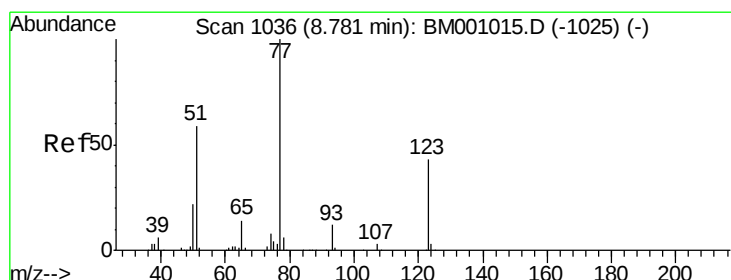
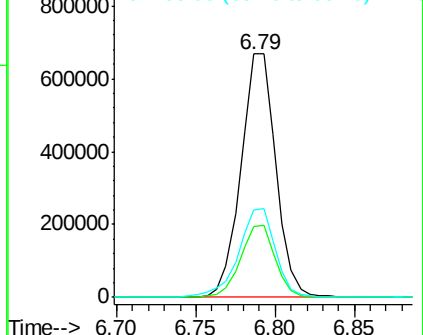
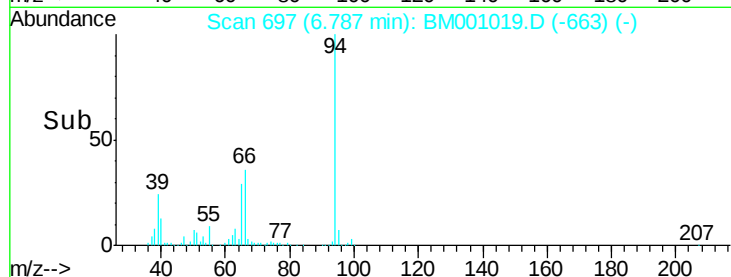
94 100

65 29.1 23.4 35.2

66 35.9 30.0 45.0



Abundance Ion 94.00 (93.70 to 94.70): BM001019.D (-663) (-)



#20

Nitrobenzene

Concen: 44.43 ng/ul

RT: 8.78 min Scan# 1036

Delta R.T. -0.00 min

Lab File: BM001019.D

Acq: 16 Apr 2015 14:25

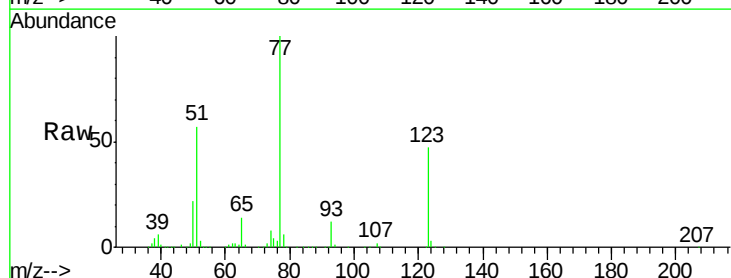
Tgt Ion: 77 Resp: 787018

Ion Ratio Lower Upper

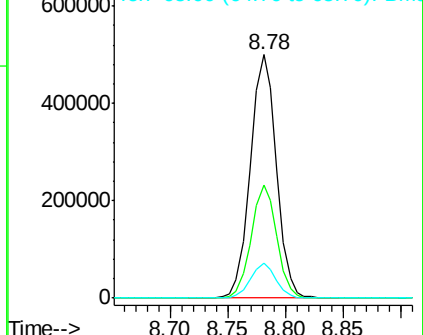
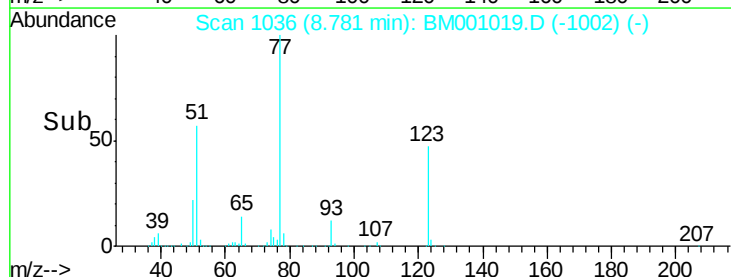
77 100

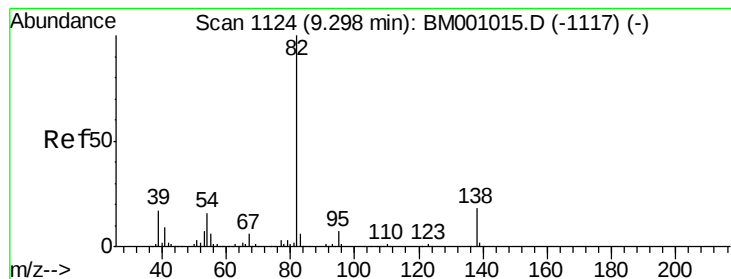
123 46.6 36.5 54.7

65 14.2 10.6 16.0



Abundance Ion 77.00 (76.70 to 77.70): BM001019.D (-1002) (-)





#21

Isophorone

Concen: 56.06 ng/ul

RT: 9.30 min Scan# 1124

Delta R.T. -0.00 min

Lab File: BM001019.D

Acq: 16 Apr 2015 14:25

Instrument :

BNA_M

ClientSampleId :

X1N66

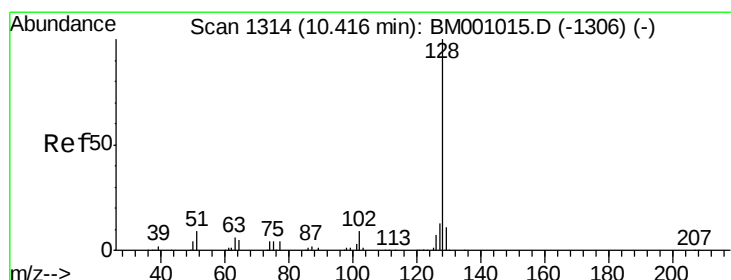
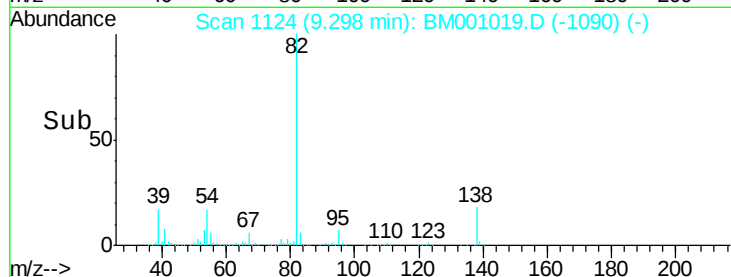
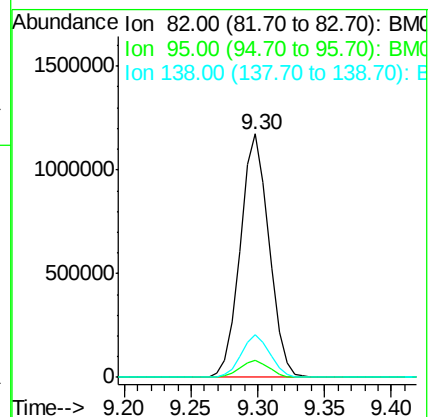
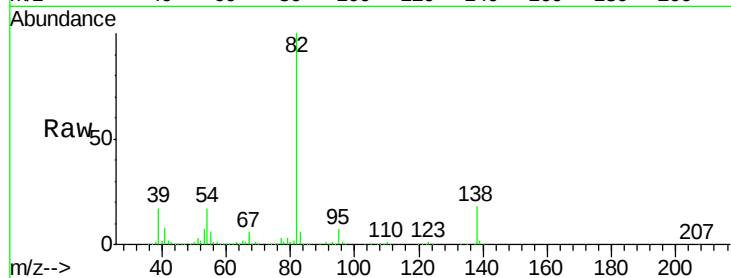
Tgt Ion: 82 Resp: 1755005

Ion Ratio Lower Upper

82 100

95 7.1 5.4 8.2

138 17.6 14.0 21.0



#28

Naphthalene

Concen: 58.24 ng/ul

RT: 10.42 min Scan# 1314

Delta R.T. -0.00 min

Lab File: BM001019.D

Acq: 16 Apr 2015 14:25

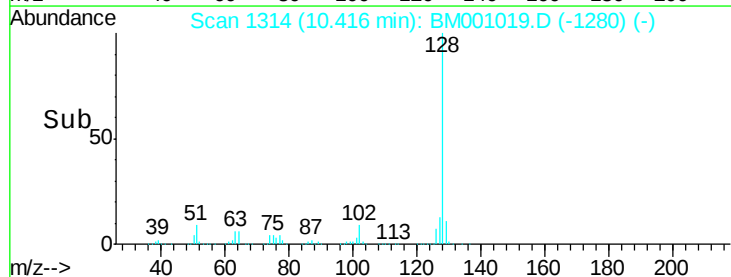
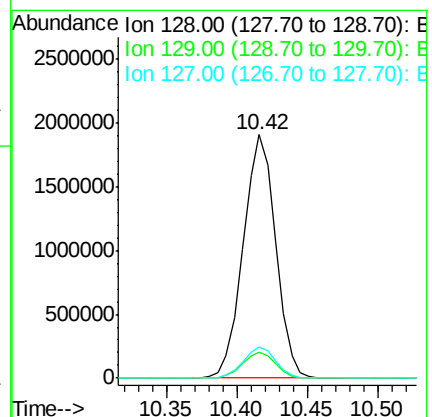
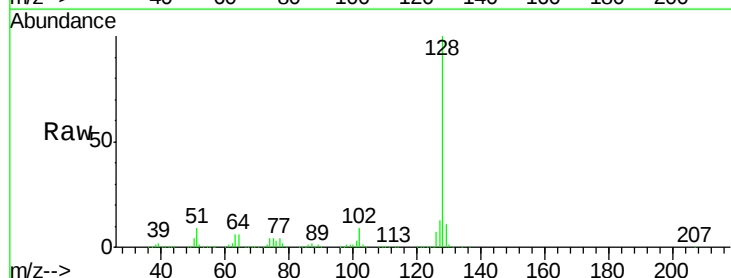
Tgt Ion: 128 Resp: 3067456

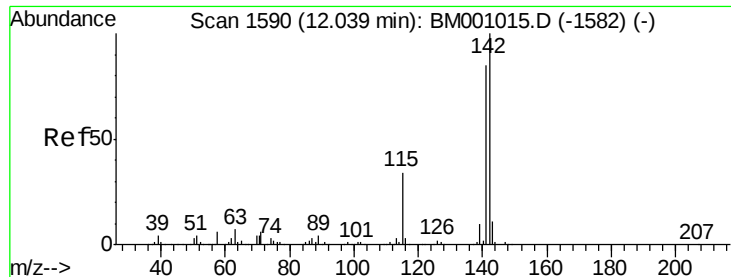
Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

127 12.9 10.2 15.2

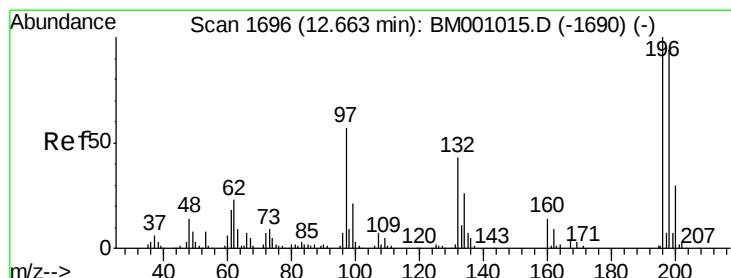
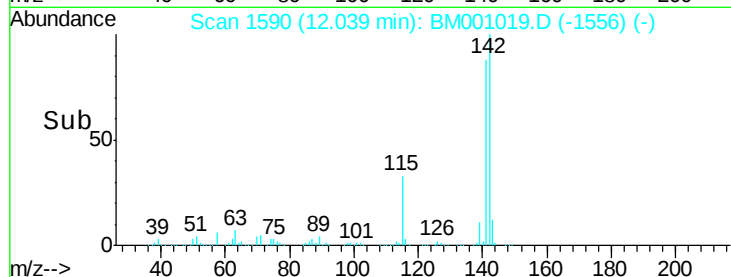
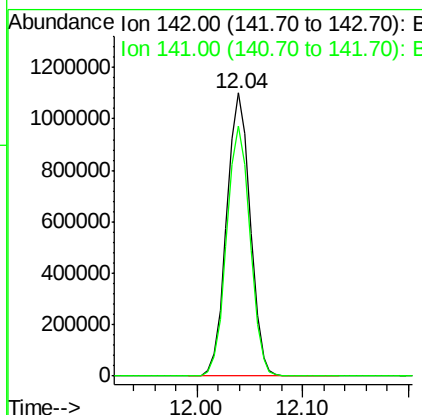
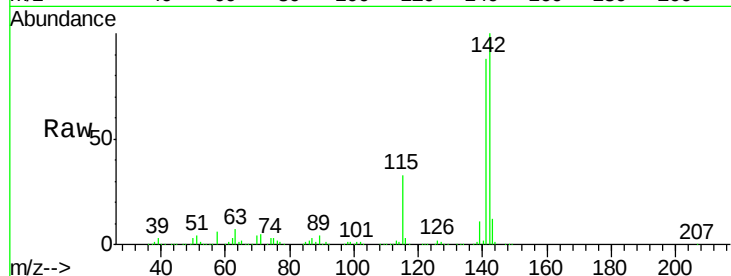




#34
 2-Methylnaphthalene
 Concen: 46.21 ng/ul
 RT: 12.04 min Scan# 1590
 Delta R.T. -0.00 min
 Lab File: BM001019.D
 Acq: 16 Apr 2015 14:25

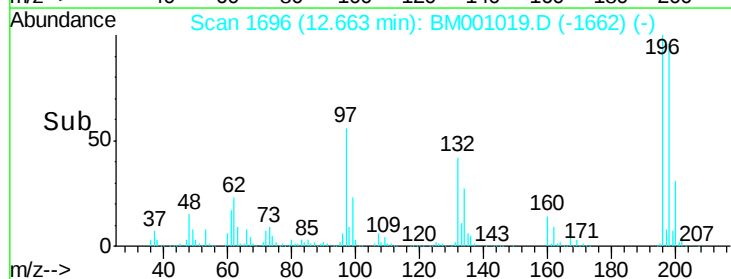
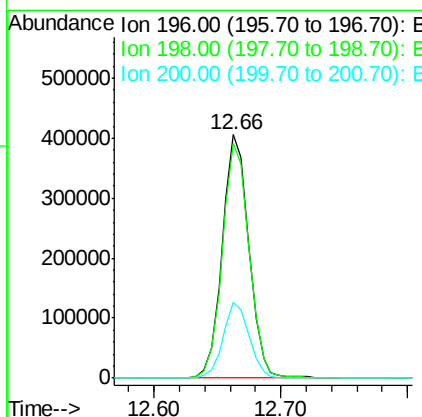
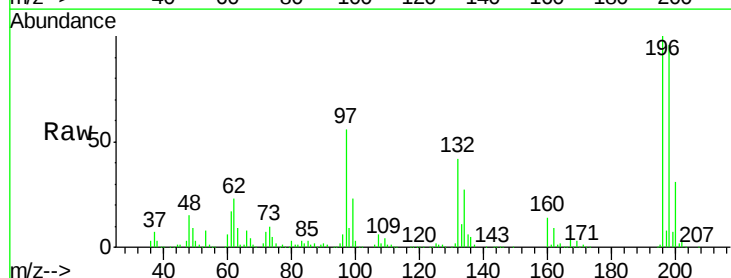
Instrument :
 BNA_M
 ClientSampleId :
 X1N66

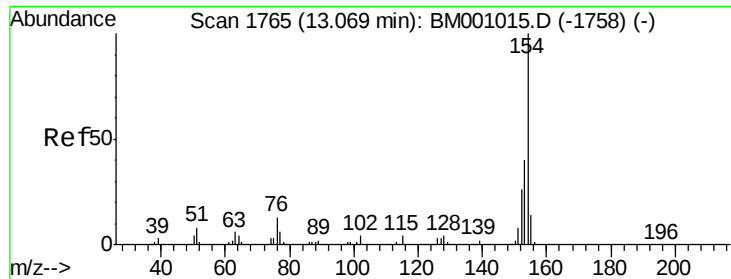
Tgt Ion:142 Resp: 1700189
 Ion Ratio Lower Upper
 142 100
 141 88.3 70.7 106.1



#38
 2,4,6-Trichlorophenol
 Concen: 57.34 ng/ul
 RT: 12.66 min Scan# 1696
 Delta R.T. -0.00 min
 Lab File: BM001019.D
 Acq: 16 Apr 2015 14:25

Tgt Ion:196 Resp: 590294
 Ion Ratio Lower Upper
 196 100
 198 96.3 77.8 116.6
 200 31.3 24.9 37.3

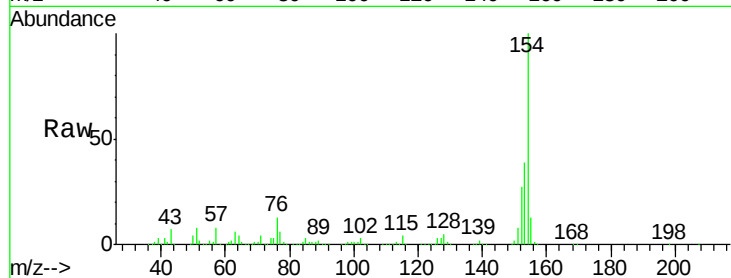




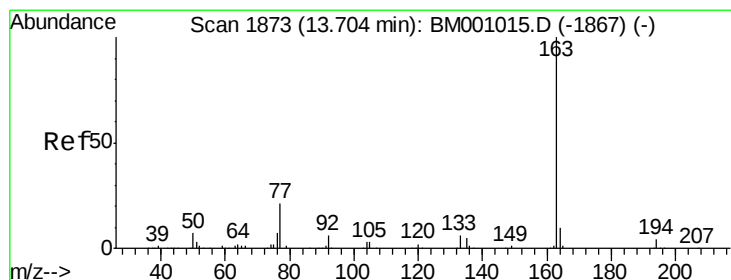
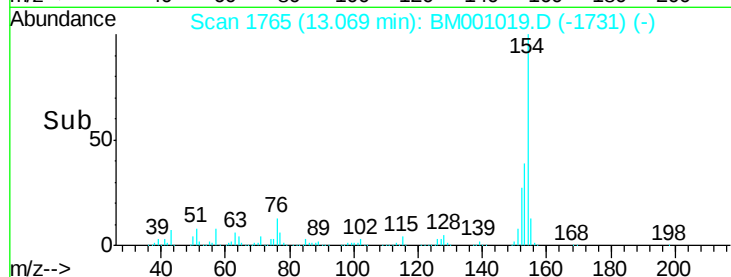
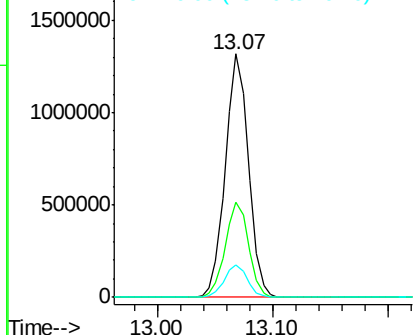
#40
1,1'-Biphenyl
Concen: 40.12 ng/ul
RT: 13.07 min Scan# 1765
Delta R.T. -0.00 min
Lab File: BM001019.D
Acq: 16 Apr 2015 14:25

Instrument :
BNA_M
ClientSampleId :
X1N66

Tgt Ion:154 Resp: 1832353
Ion Ratio Lower Upper
154 100
153 39.1 32.6 48.8
76 13.4 11.1 16.7

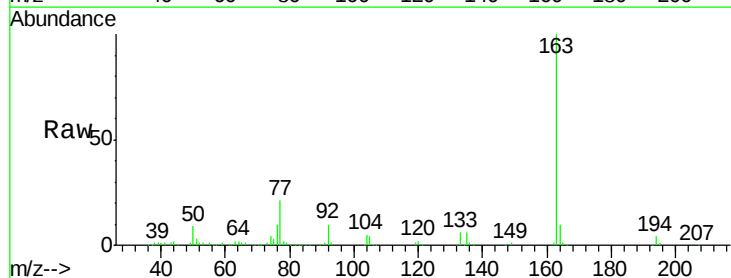


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BM

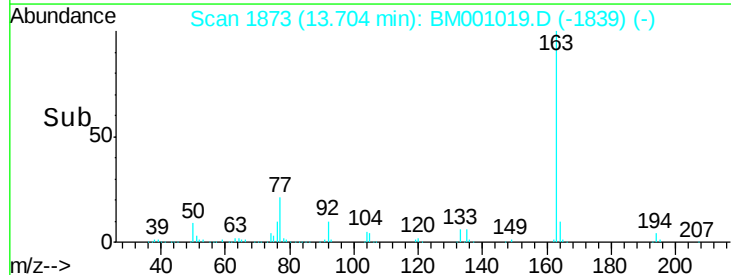
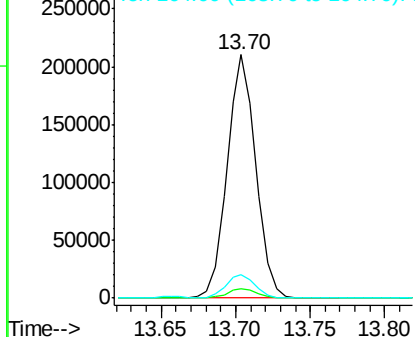


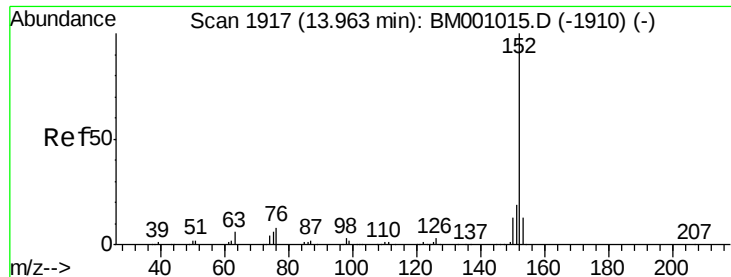
#44
Dimethylphthalate
Concen: 6.94 ng/ul
RT: 13.70 min Scan# 1873
Delta R.T. -0.00 min
Lab File: BM001019.D
Acq: 16 Apr 2015 14:25

Tgt Ion:163 Resp: 282610
Ion Ratio Lower Upper
163 100
194 3.7 3.2 4.8
164 9.7 8.2 12.2



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





#47

Acenaphthylene

Concen: 25.60 ng/ul

RT: 13.96 min Scan# 1917

Delta R.T. -0.00 min

Lab File: BM001019.D

Acq: 16 Apr 2015 14:25

Instrument :

BNA_M

ClientSampleId :

X1N66

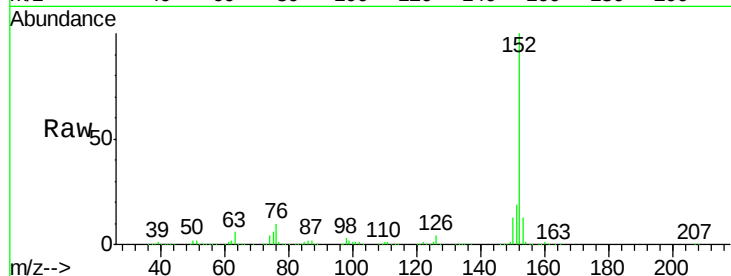
Tgt Ion:152 Resp: 1444382

Ion Ratio Lower Upper

152 100

151 19.1 15.3 22.9

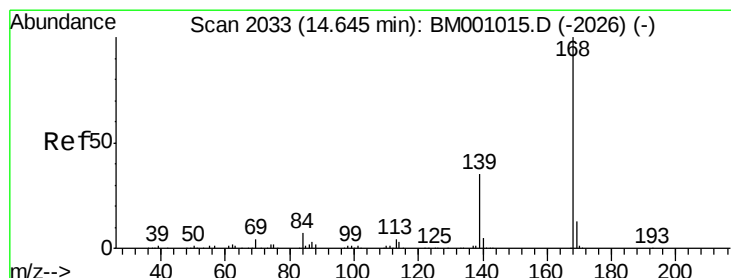
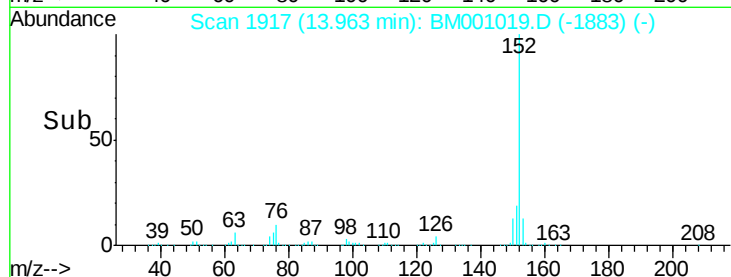
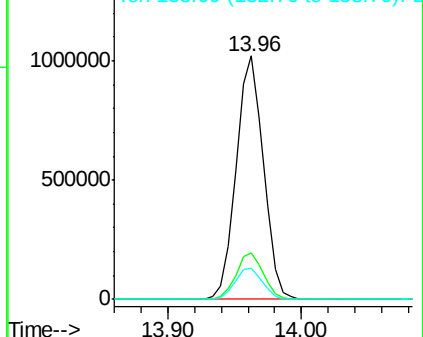
153 12.9 10.4 15.6



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



#53

Dibenzofuran

Concen: 52.07 ng/ul

RT: 14.64 min Scan# 2033

Delta R.T. -0.00 min

Lab File: BM001019.D

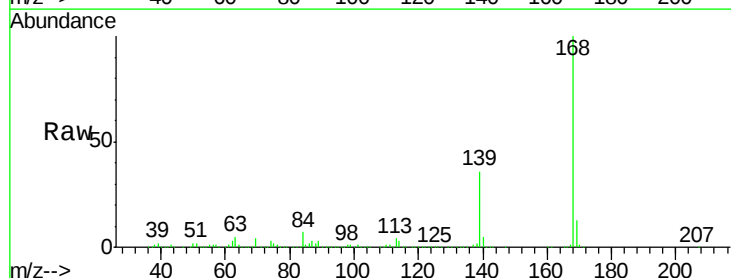
Acq: 16 Apr 2015 14:25

Tgt Ion:168 Resp: 2695168

Ion Ratio Lower Upper

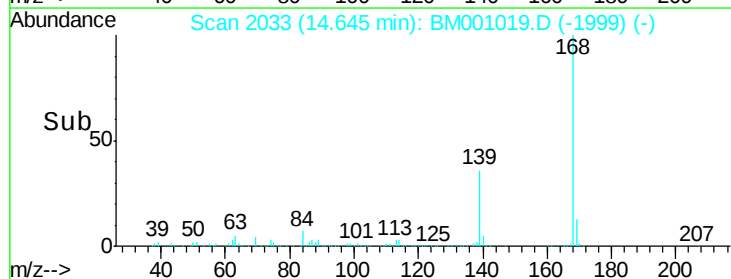
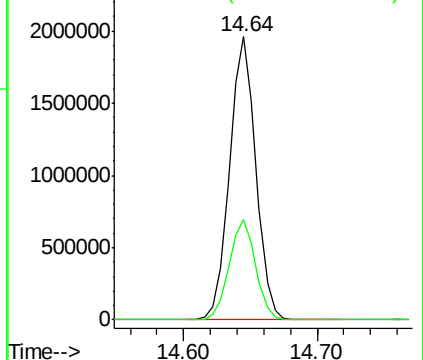
168 100

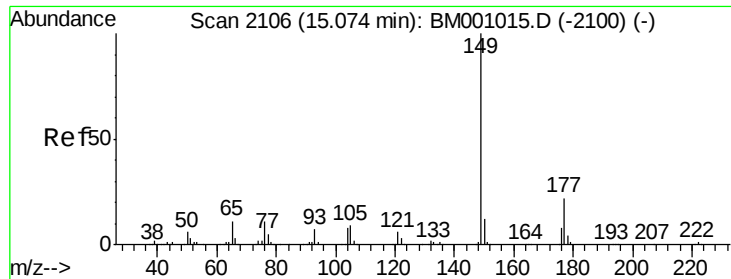
139 35.5 28.6 43.0



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

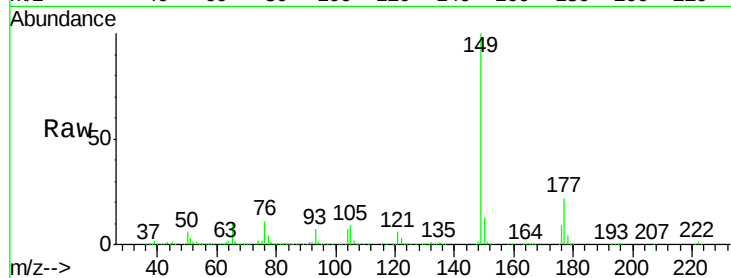




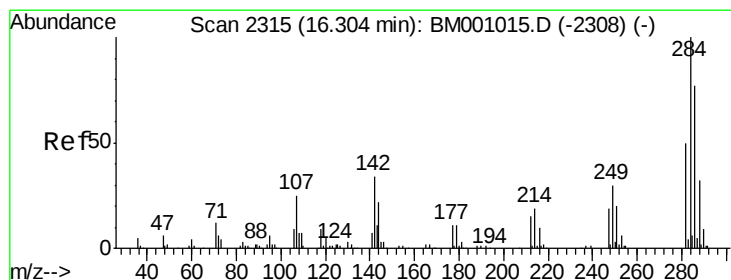
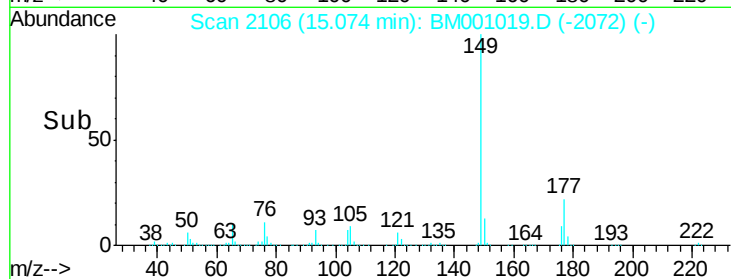
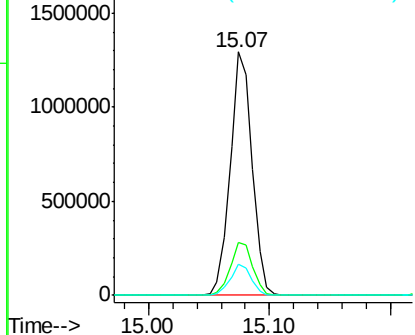
#56
Diethylphthalate
Concen: 40.38 ng/ul
RT: 15.07 min Scan# 2106
Delta R.T. -0.00 min
Lab File: BM001019.D
Acq: 16 Apr 2015 14:25

Instrument :
BNA_M
ClientSampleId :
X1N66

Tgt Ion:149 Resp: 1629894
Ion Ratio Lower Upper
149 100
177 21.8 17.4 26.2
150 12.6 9.6 14.4

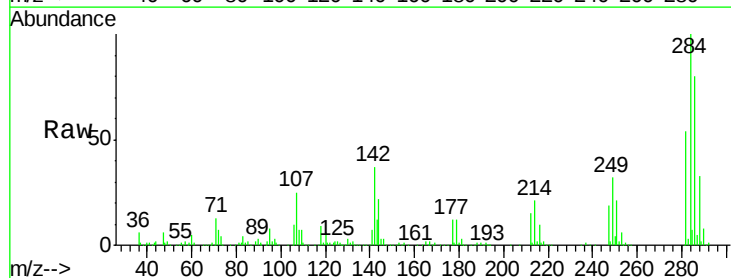


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 177.00 (176.70 to 177.70): E
Ion 150.00 (149.70 to 150.70): E

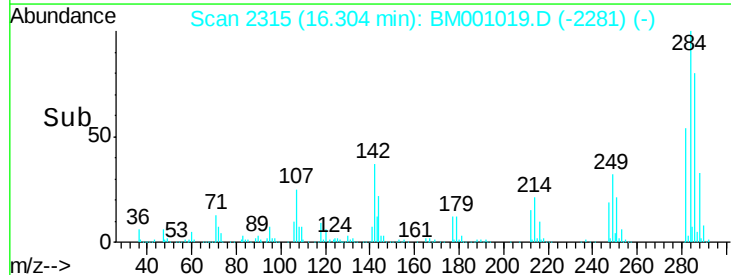
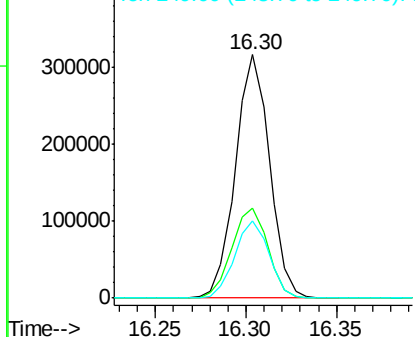


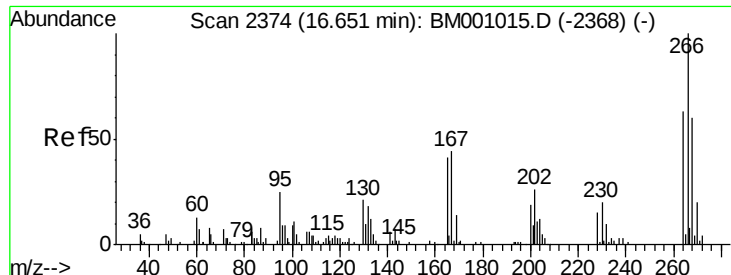
#66
Hexachlorobenzene
Concen: 34.92 ng/ul
RT: 16.30 min Scan# 2315
Delta R.T. -0.00 min
Lab File: BM001019.D
Acq: 16 Apr 2015 14:25

Tgt Ion:284 Resp: 413408
Ion Ratio Lower Upper
284 100
142 37.0 29.8 44.6
249 31.9 24.6 36.8



Abundance Ion 284.00 (283.70 to 284.70): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

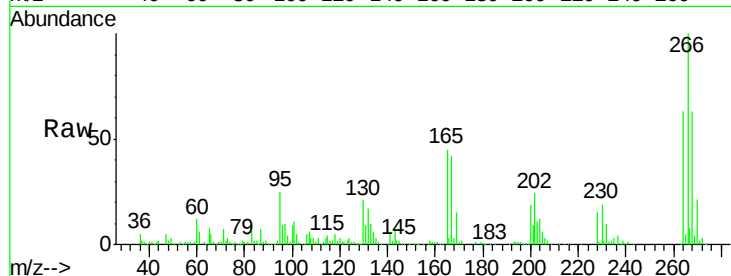




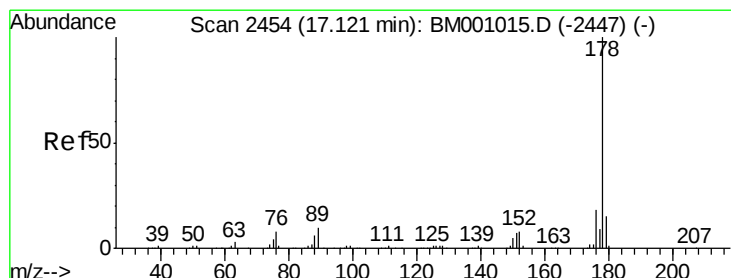
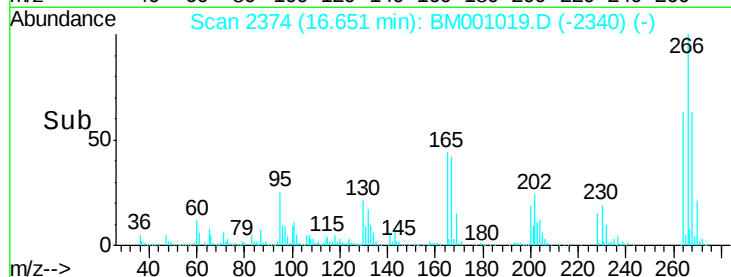
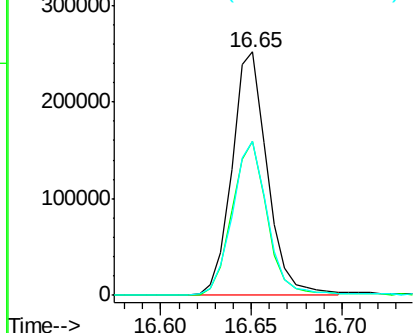
#68
 Pentachlorophenol
 Concen: 51.94 ng/ul
 RT: 16.65 min Scan# 2374
 Delta R.T. -0.00 min
 Lab File: BM001019.D
 Acq: 16 Apr 2015 14:25

Instrument :
 BNA_M
 ClientSampleId :
 X1N66

Tgt Ion:266 Resp: 342724
 Ion Ratio Lower Upper
 266 100
 264 63.2 52.9 79.3
 268 63.0 50.1 75.1

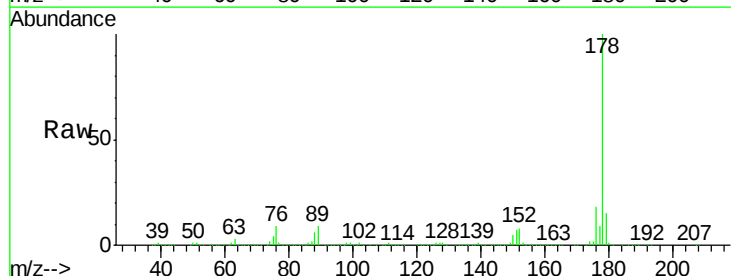


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

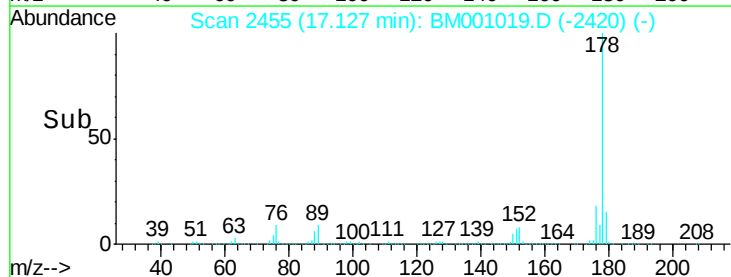
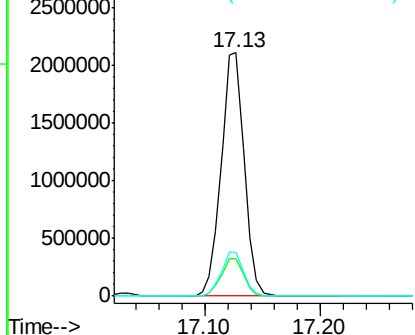


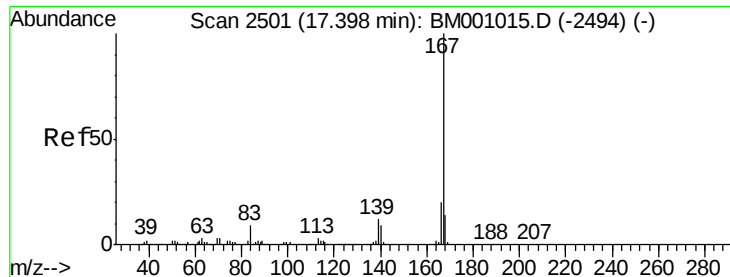
#71
 Anthracene
 Concen: 47.16 ng/ul
 RT: 17.13 min Scan# 2455
 Delta R.T. 0.01 min
 Lab File: BM001019.D
 Acq: 16 Apr 2015 14:25

Tgt Ion:178 Resp: 2908862
 Ion Ratio Lower Upper
 178 100
 179 15.2 11.6 17.4
 176 17.8 14.4 21.6



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

Carbazole

Concen: 58.33 ng/ul

RT: 17.40 min Scan# 2501

Delta R.T. -0.00 min

Lab File: BM001019.D

Acq: 16 Apr 2015 14:25

Instrument :

BNA_M

ClientSampleId :

X1N66

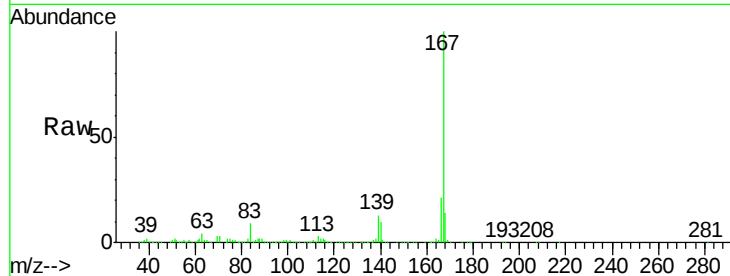
Tgt Ion:167 Resp: 3210859

Ion Ratio Lower Upper

167 100

166 20.7 16.1 24.1

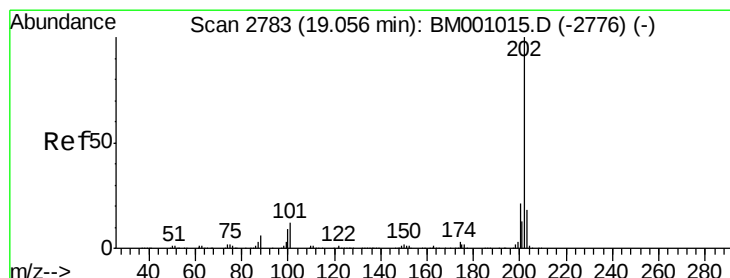
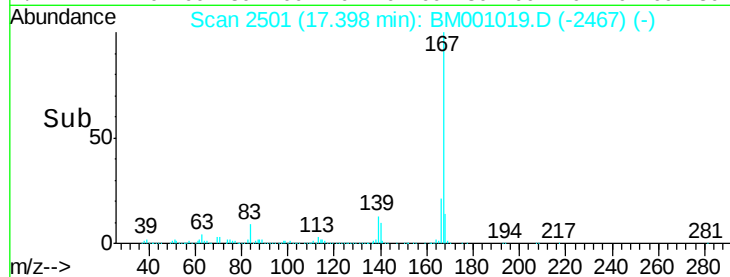
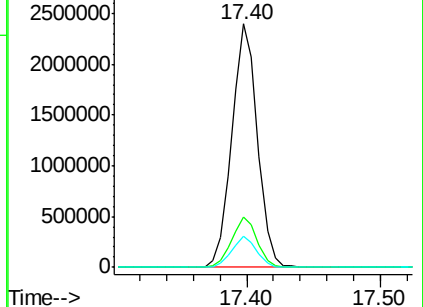
139 12.6 9.4 14.0



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: 46.22 ng/ul

RT: 19.06 min Scan# 2783

Delta R.T. -0.00 min

Lab File: BM001019.D

Acq: 16 Apr 2015 14:25

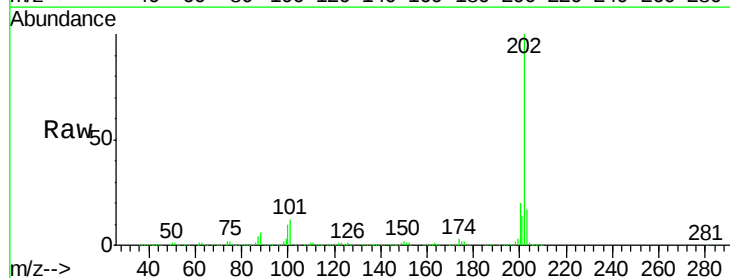
Tgt Ion:202 Resp: 2987092

Ion Ratio Lower Upper

202 100

101 12.4 10.3 15.5

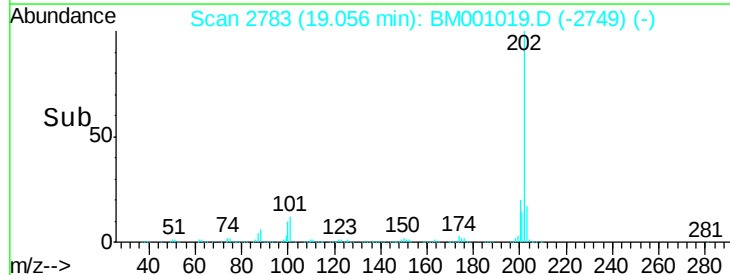
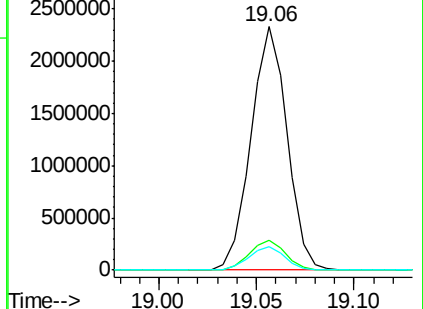
100 9.7 8.0 12.0

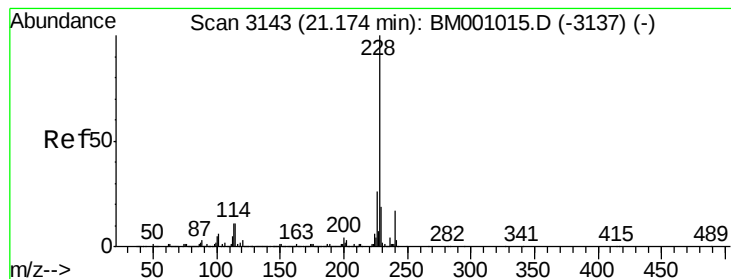


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 37.97 ng/ul

RT: 21.17 min Scan# 3143

Delta R.T. -0.00 min

Lab File: BM001019.D

Acq: 16 Apr 2015 14:25

Instrument :

BNA_M

ClientSampleId :

X1N66

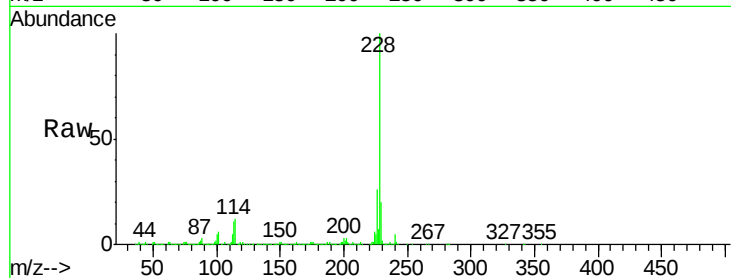
Tgt Ion:228 Resp: 2314486

Ion Ratio Lower Upper

228 100

229 19.9 15.9 23.9

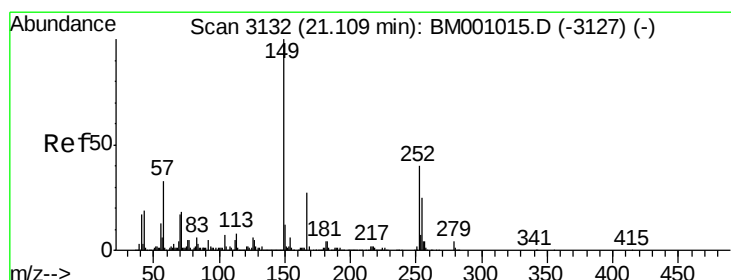
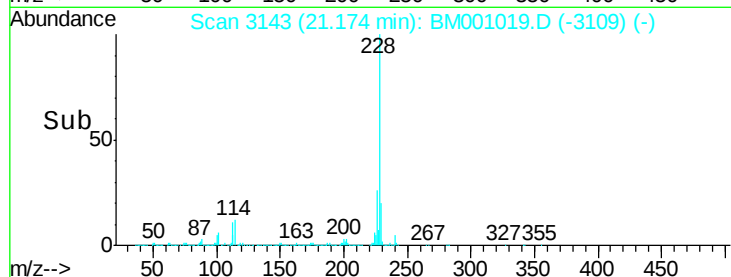
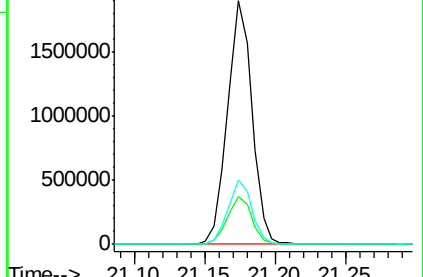
226 26.2 20.7 31.1



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E



#81

Bis(2-ethylhexyl)phthalate

Concen: 50.78 ng/ul

RT: 21.12 min Scan# 3133

Delta R.T. 0.01 min

Lab File: BM001019.D

Acq: 16 Apr 2015 14:25

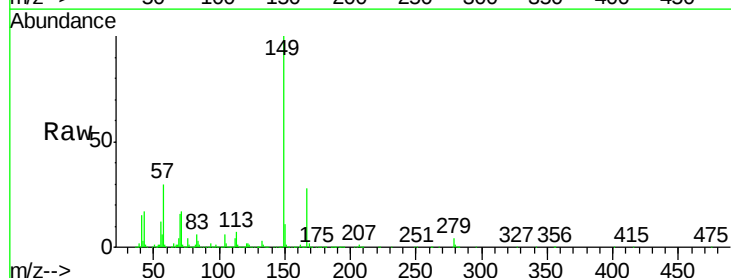
Tgt Ion:149 Resp: 1858507

Ion Ratio Lower Upper

149 100

167 27.6 21.5 32.3

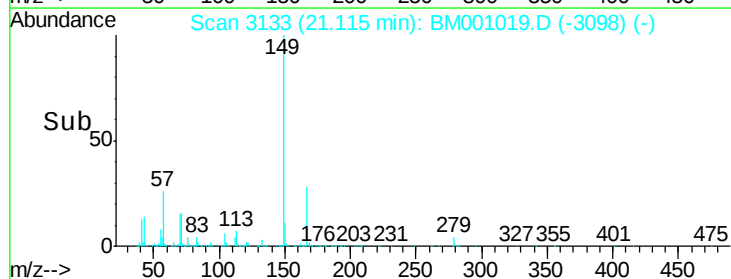
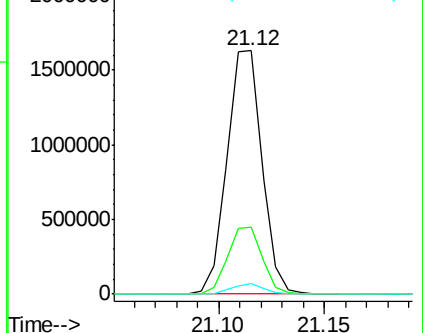
279 4.2 2.9 4.3

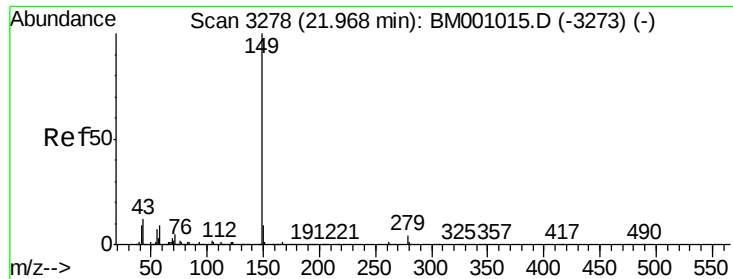


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#84

Di-n-octyl phthalate

Concen: 52.40 ng/ul

RT: 21.97 min Scan# 3279

Delta R.T. 0.01 min

Lab File: BM001019.D

Acq: 16 Apr 2015 14:25

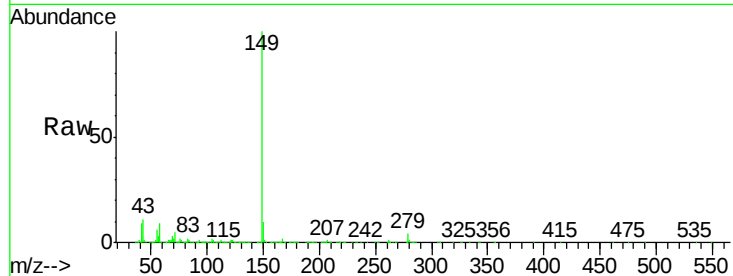
Instrument :

BNA_M

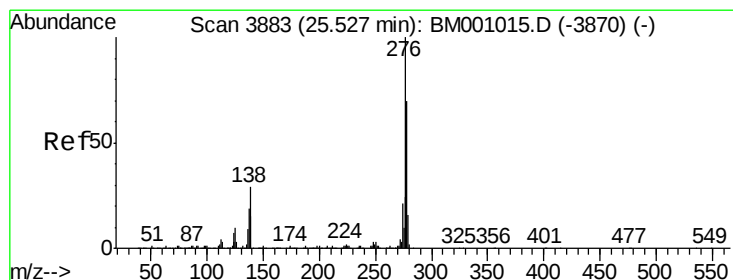
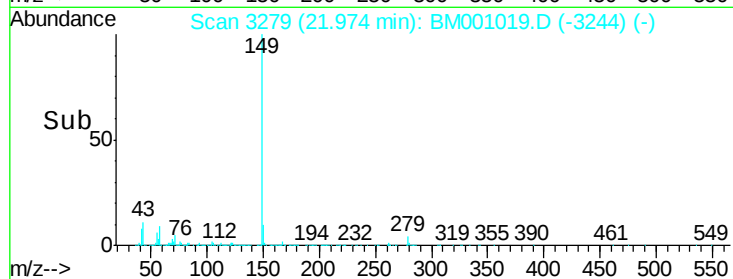
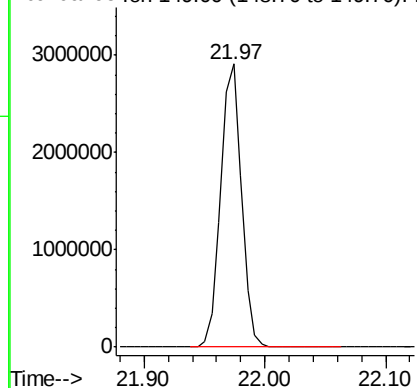
ClientSampleId :

X1N66

Tgt Ion:149 Resp: 3441594



Abundance Ion 149.00 (148.70 to 149.70): E



#89

Indeno(1,2,3-cd)pyrene

Concen: 47.36 ng/ul

RT: 25.54 min Scan# 3885

Delta R.T. 0.01 min

Lab File: BM001019.D

Acq: 16 Apr 2015 14:25

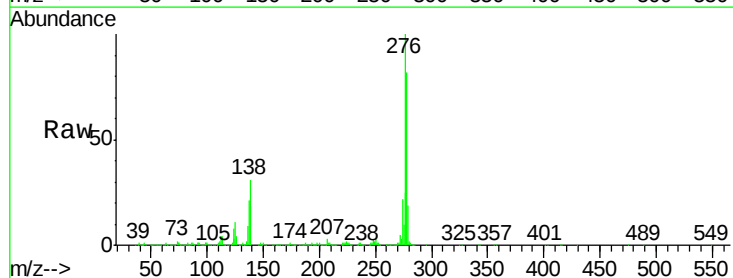
Tgt Ion:276 Resp: 2890254

Ion Ratio Lower Upper

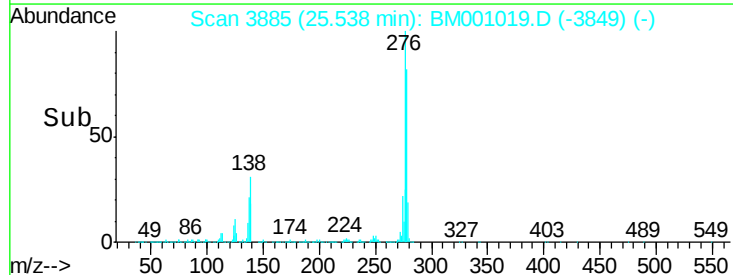
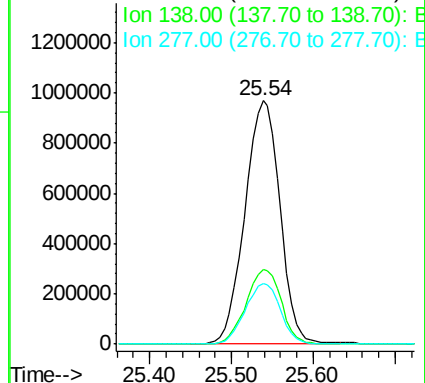
276 100

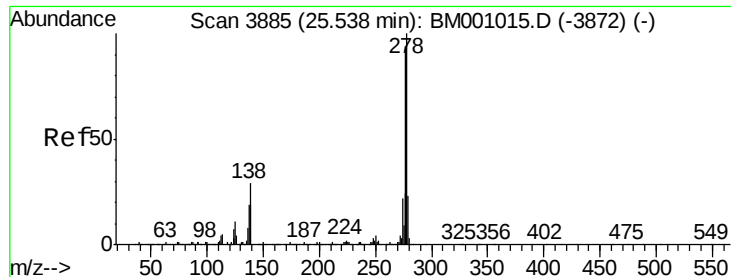
138 30.9 24.6 36.8

277 25.0 20.3 30.5



Abundance Ion 276.00 (275.70 to 276.70): E





#90

Dibenzo(a,h)anthracene

Concen: 49.83 ng/ul

RT: 25.55 min Scan# 3887

Delta R.T. 0.01 min

Lab File: BM001019.D

Acq: 16 Apr 2015 14:25

Instrument :

BNA_M

ClientSampleId :

X1N66

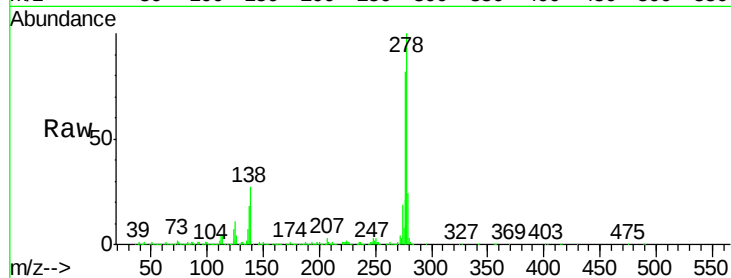
Tgt Ion:278 Resp: 2559691

Ion Ratio Lower Upper

278 100

139 18.4 15.6 23.4

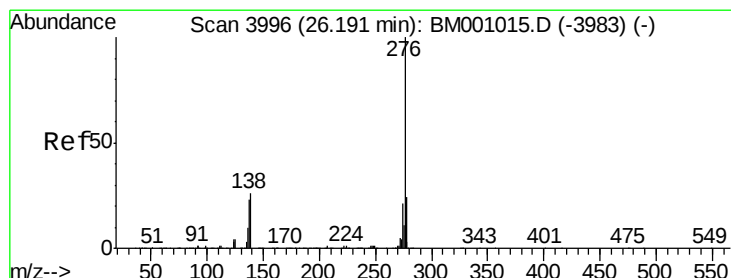
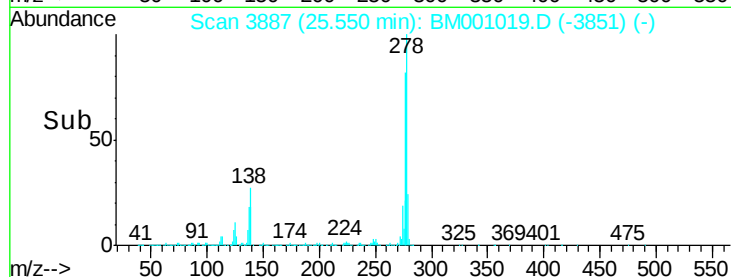
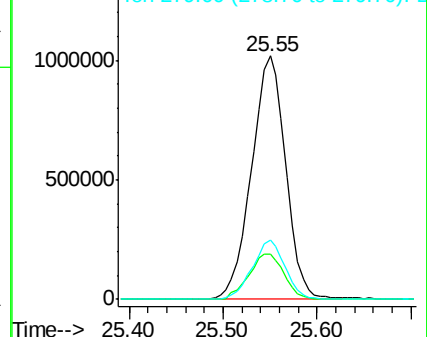
279 24.3 19.6 29.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 50.24 ng/ul

RT: 26.21 min Scan# 3999

Delta R.T. 0.02 min

Lab File: BM001019.D

Acq: 16 Apr 2015 14:25

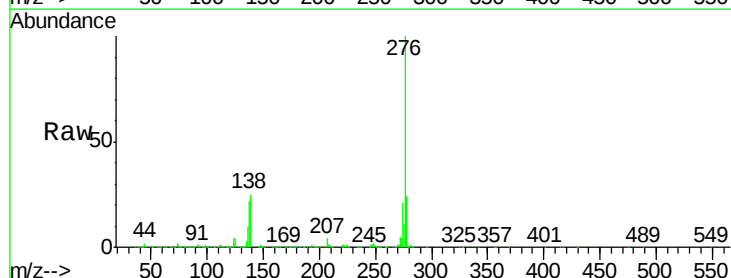
Tgt Ion:276 Resp: 2591276

Ion Ratio Lower Upper

276 100

138 25.2 20.9 31.3

277 23.8 18.6 28.0



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

