

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111116\
 Data File : BM007840.D
 Acq On : 11 Nov 2016 23:41
 Operator : UM/SJ
 Sample : H5610-10
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BD4M5

Quant Time: Nov 12 03:17:42 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM102016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 12 03:12:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	188429	20.00	ng/ul	0.02
18) Naphthalene-d8	10.54	136	766750	20.00	ng/ul	0.02
35) Acenaphthene-d10	14.38	164	498309	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.12	188	970595	20.00	ng/ul	0.00
75) Chrysene-d12	21.31	240	1177479	20.00	ng/ul	0.00
83) Perylene-d12	23.57	264	1203196	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.28	96	22543	5.13	ng/uL	0.00
5) Phenol-d5	6.92	99	296411	20.38	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.09	67	647263	75.00	ng/ul	0.01
9) 2-Chlorophenol-d4	7.29	132	217003	19.46	ng/ul	0.02
13) 4-Methylphenol-d8	8.46	113	89061	7.83	ng/ul	0.01
19) Nitrobenzene-d5	8.91	128	169199	30.66	ng/ul	0.01
22) 2-Nitrophenol-d4	9.63	143	121054	20.69	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.16	165	219698	19.10	ng/ul	0.02
29) 4-Chloroaniline-d4	10.65	131	645987	49.24	ng/ul	-0.01
43) Dimethylphthalate-d6	13.79	166	741324	21.85	ng/ul	0.00
46) Acenaphthylene-d8	14.07	160	908164	22.24	ng/ul	0.01
51) 4-Nitrophenol-d4	14.60	143	94953	17.70	ng/ul	0.01
57) Fluorene-d10	15.37	176	662989	22.29	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.51	200	72080	12.50	ng/ul	0.00
70) Anthracene-d10	17.22	188	992463	22.69	ng/ul	0.00
76) Pyrene-d10	19.52	212	1147952	23.73	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.42	264	1195423	22.76	ng/ul	0.00

Target Compounds

					Qvalue
4) Benzaldehyde	6.92	77	325264	35.36 ng/ul#	14
6) Phenol	6.95	94	75915	5.09 ng/ul#	1
8) Bis(2-Chloroethyl)ether	7.15	93	89210	7.76 ng/ul#	1
14) Acetophenone	8.56	105	3703710	207.53 ng/ul#	32
15) N-Nitroso-di-n-propylamine	8.52	70	517054	58.39 ng/ul#	82
17) Hexachloroethane	8.86	117	803262	158.86 ng/ul#	2
20) Nitrobenzene	8.95	77	225696	15.90 ng/ul#	66
21) Isophorone	9.47	82	1109383	45.70 ng/ul#	1
23) 2-Nitrophenol	9.67	139	132537	21.68 ng/ul#	1
24) 2,4-Dimethylphenol	9.75	107	844453	60.56 ng/ul#	55
25) Bis(2-Chloroethoxy)methane	9.95	93	91652	6.17 ng/ul#	1
27) 2,4-Dichlorophenol	10.19	162	54963	4.85 ng/ul#	1
28) Naphthalene	10.59	128	676255	18.13 ng/ul#	80
30) 4-Chloroaniline	10.70	127	73877	5.55 ng/ul#	87
32) Caprolactam	11.45	113	52664	16.77 ng/ul#	1
33) 4-Chloro-3-methylphenol	11.82	107	81445	6.86 ng/ul#	22
34) 2-Methylnaphthalene	12.20	142	355193	13.39 ng/ul	100
38) 2,4,6-Trichlorophenol	12.83	196	9368	1.05 ng/ul#	12
40) 1,1'-Biphenyl	13.21	154	263615	7.50 ng/ul	95
44) Dimethylphthalate	13.83	163	201929	6.13 ng/ul#	90
45) 2,6-Dinitrotoluene	13.99	165	13394	2.16 ng/ul#	20
47) Acenaphthylene	14.10	152	56876	1.37 ng/ul#	11
48) 3-Nitroaniline	14.28	138	18506	3.02 ng/ul#	35

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

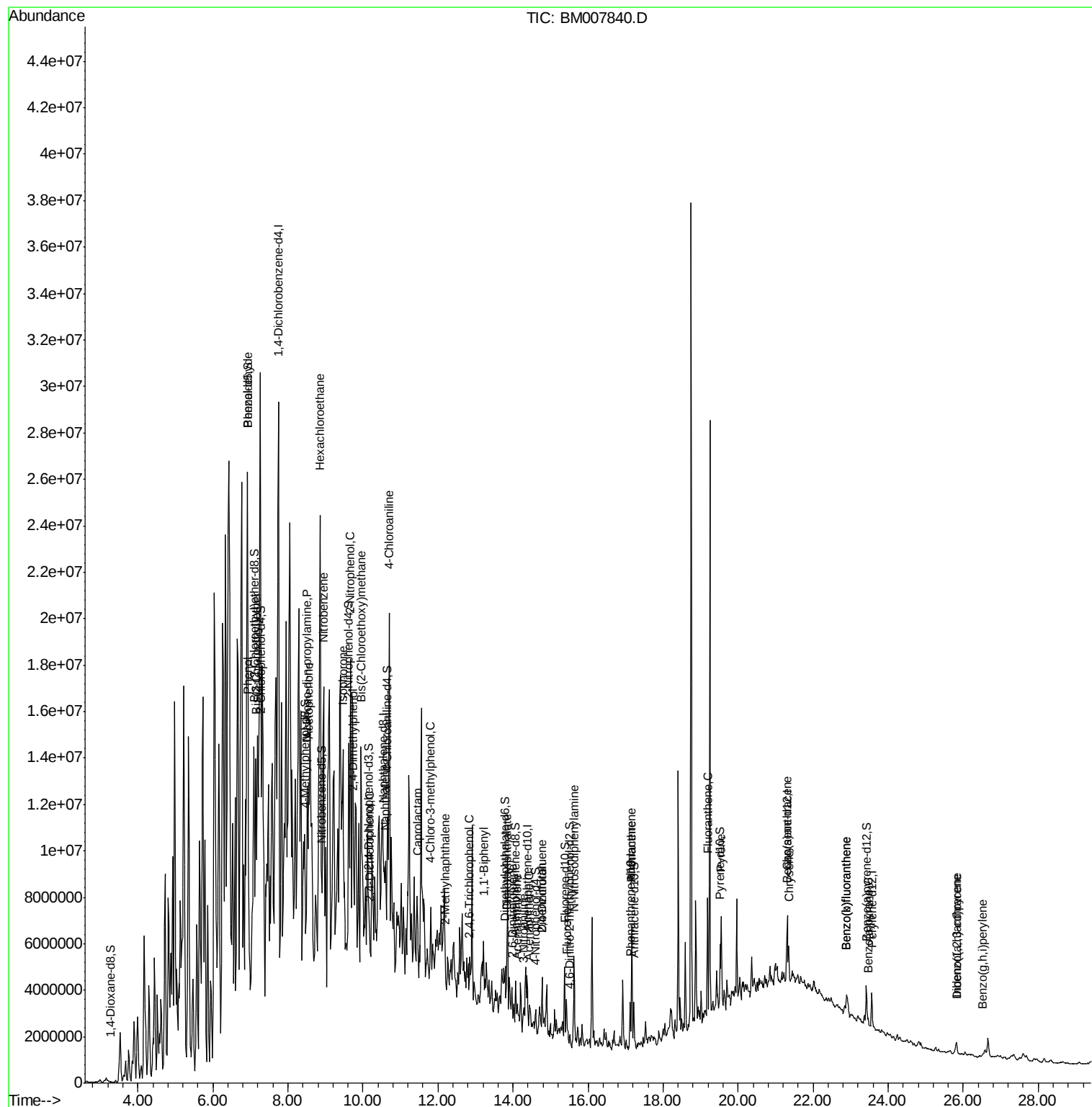
49) Acenaphthene	14.44	153	73117	2.56	ng/ul	94
53) Dibenzofuran	14.78	168	507992	12.38	ng/ul	95
54) 2,4-Dinitrotoluene	14.78	165	15252	1.71	ng/ul#	1
58) Fluorene	15.43	166	634369	19.37	ng/ul	97
64) N-Nitrosodiphenylamine	15.63	169	91847	3.31	ng/ul#	50
69) Phenanthrene	17.17	178	3160716	61.27	ng/ul	100
71) Anthracene	17.17	178	3160716	60.14	ng/ul	98
74) Fluoranthene	19.19	202	3196710	52.98	ng/ul	99
77) Pyrene	19.55	202	2422034	39.82	ng/ul	99
80) Benzo(a)anthracene	21.30	228	634702	10.09	ng/ul	97
82) Chrysene	21.35	228	857025	14.17	ng/ul	96
85) Benzo(b)fluoranthene	22.89	252	748739	10.89	ng/ul#	92
86) Benzo(k)fluoranthene	22.89	252	748739	11.84	ng/ul#	93
88) Benzo(a)pyrene	23.47	252	215740	3.33	ng/ul#	83
89) Indeno(1,2,3-cd)pyrene	25.83	276	260121	3.35	ng/ul	96
90) Dibenzo(a,h)anthracene	25.84	278	67422	1.03	ng/ul#	89
91) Benzo(g,h,i)perylene	26.53	276	194308	2.98	ng/ul	99

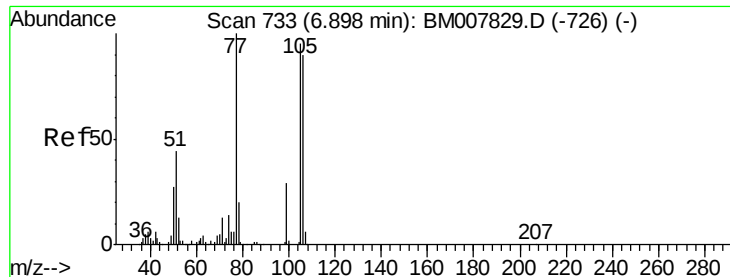
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 35.36 ng/ul

RT: 6.92 min Scan# 736

Delta R.T. 0.02 min

Lab File: BM007840.D

Acq: 11 Nov 2016 23:41

Instrument :

BNA_M

ClientSampled :

BD4M5

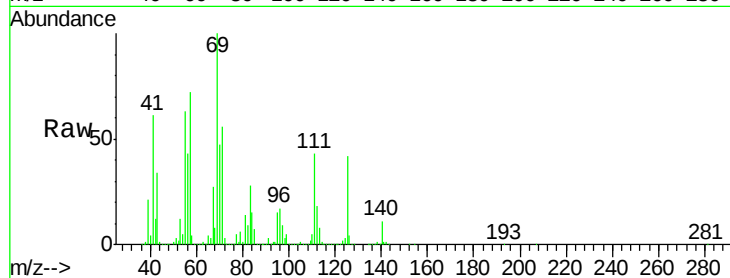
Tgt Ion: 77 Resp: 325264

Ion Ratio Lower Upper

77 100

105 18.0 76.9 115.3#

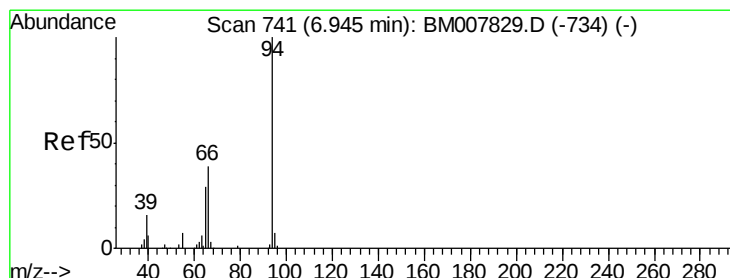
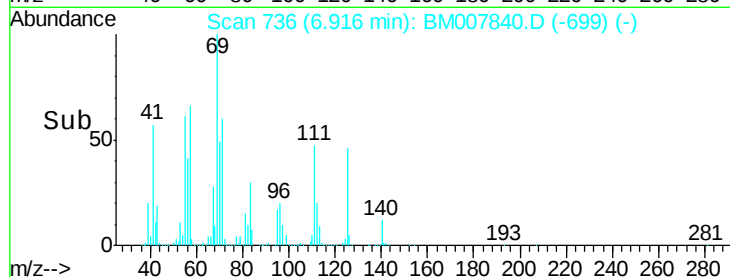
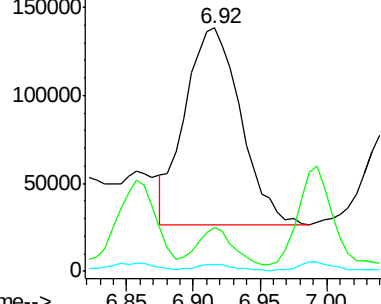
106 3.0 71.8 107.8#



Abundance Ion 77.00 (76.70 to 77.70): BM007840.D (-699) (-)

Ion 105.00 (104.70 to 105.70): BM007840.D (-699) (-)

Ion 106.00 (105.70 to 106.70): BM007840.D (-699) (-)



#6

Phenol

Concen: 5.09 ng/ul

RT: 6.95 min Scan# 741

Delta R.T. 0.00 min

Lab File: BM007840.D

Acq: 11 Nov 2016 23:41

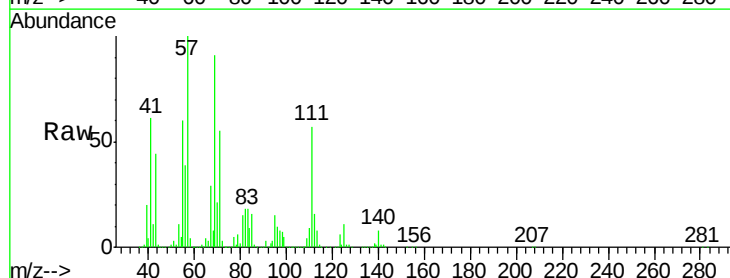
Tgt Ion: 94 Resp: 75915

Ion Ratio Lower Upper

94 100

65 170.1 23.9 35.9#

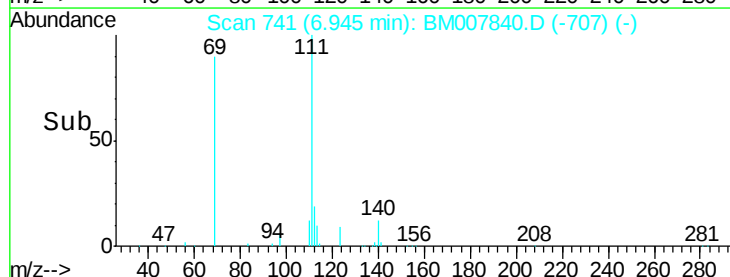
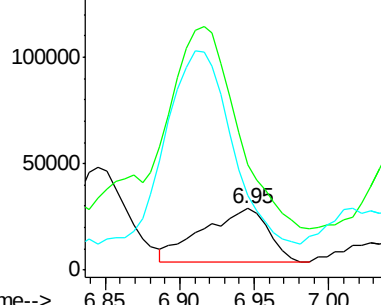
66 120.9 33.5 50.3#

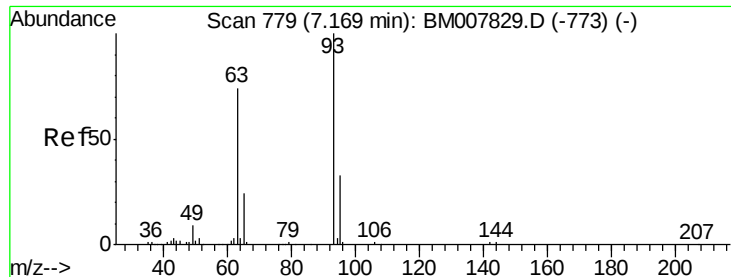


Abundance Ion 94.00 (93.70 to 94.70): BM007840.D (-707) (-)

Ion 65.00 (64.70 to 65.70): BM007840.D (-707) (-)

Ion 66.00 (65.70 to 66.70): BM007840.D (-707) (-)





#8

Bis(2-Chloroethyl)ether

Concen: 7.76 ng/ul

RT: 7.15 min Scan# 775

Delta R.T. -0.02 min

Lab File: BM007840.D

Acq: 11 Nov 2016 23:41

Instrument :

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BD4M5

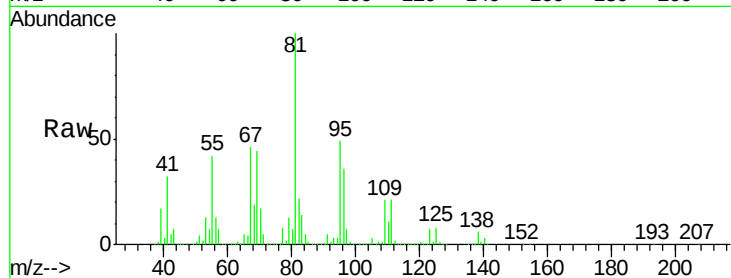
Tgt Ion: 93 Resp: 89210

Ion Ratio Lower Upper

93 100

63 40.5 57.3 85.9#

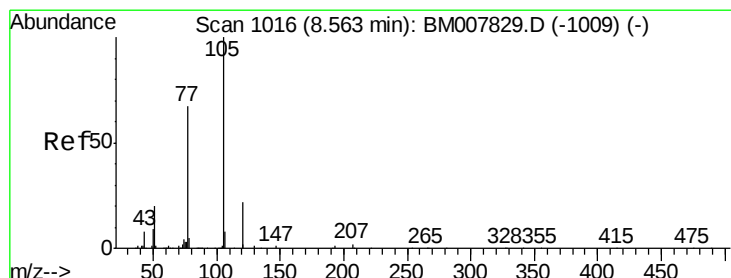
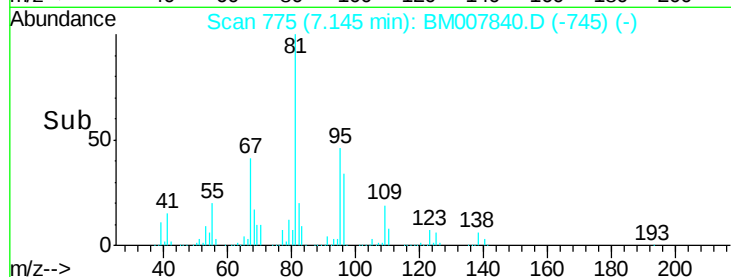
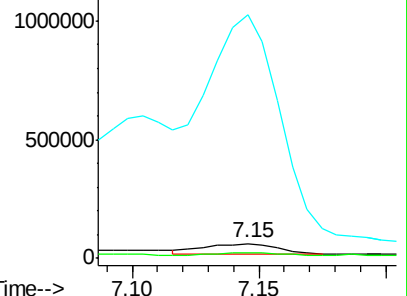
95 1641.3 25.1 37.7#



Abundance Ion 93.00 (92.70 to 93.70): BM007829.D (-773) (-)

Ion 63.00 (62.70 to 63.70): BM007829.D (-773) (-)

Ion 95.00 (94.70 to 95.70): BM007829.D (-773) (-)



#14

Acetophenone

Concen: 207.53 ng/ul

RT: 8.56 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BM007840.D

Acq: 11 Nov 2016 23:41

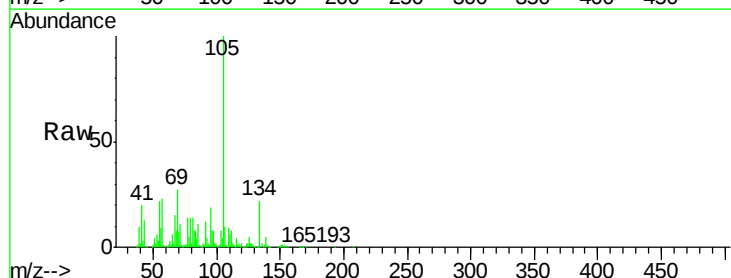
Tgt Ion: 105 Resp: 3703710

Ion Ratio Lower Upper

105 100

77 14.5 65.9 98.9#

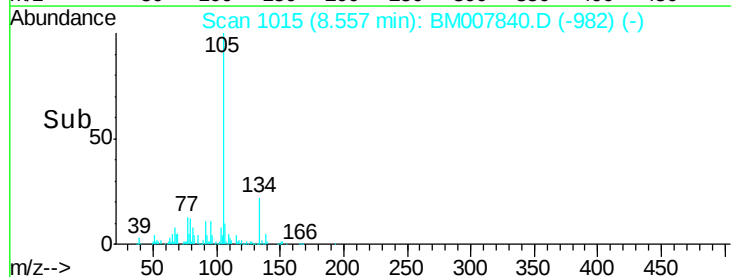
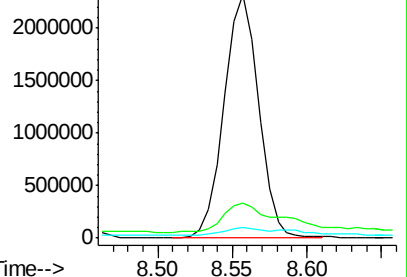
51 4.3 22.2 33.2#

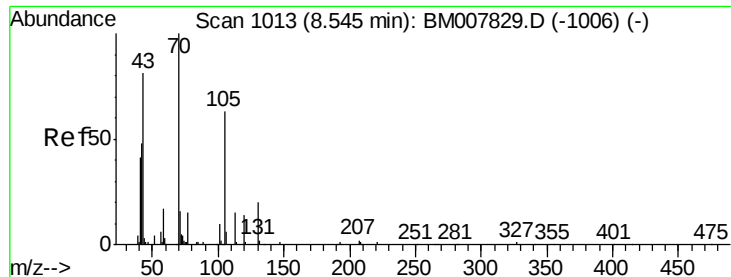


Abundance Ion 105.00 (104.70 to 105.70): BM007829.D (-1009) (-)

Ion 77.00 (76.70 to 77.70): BM007829.D (-1009) (-)

Ion 51.00 (50.70 to 51.70): BM007829.D (-1009) (-)

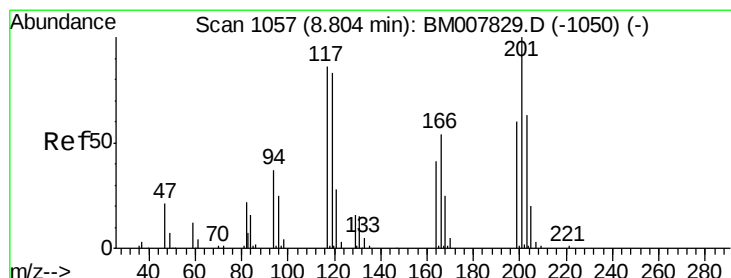
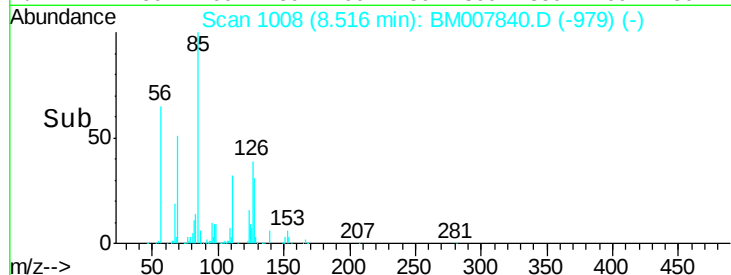
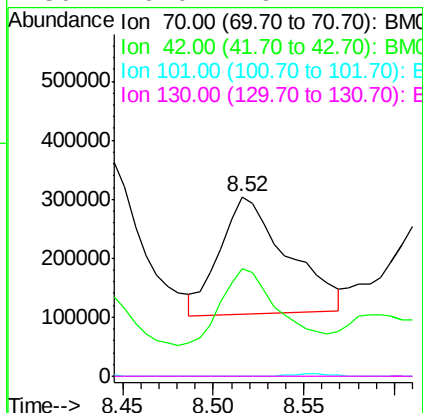
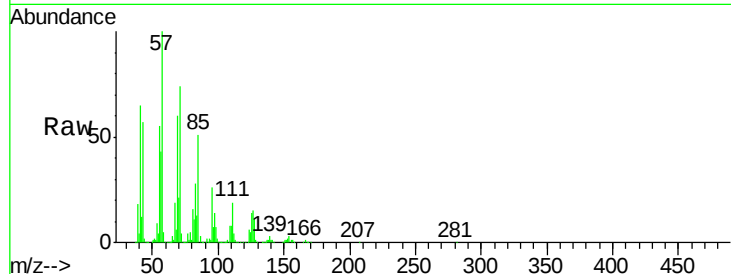




#15
N-Nitroso-di-n-propylamine
Concen: 58.39 ng/ul
RT: 8.52 min Scan# 1008
Delta R.T. -0.03 min
Lab File: BM007840.D
Acq: 11 Nov 2016 23:41

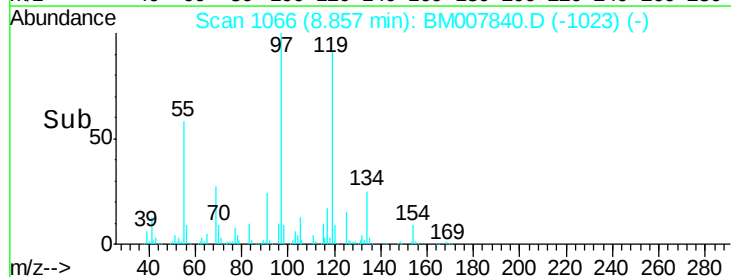
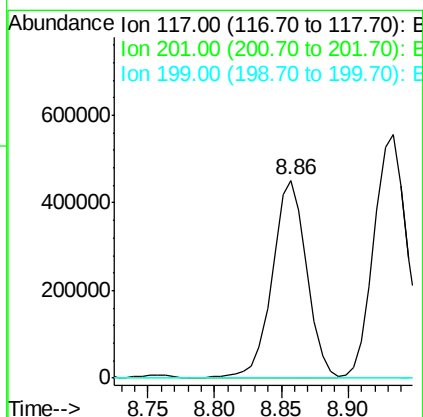
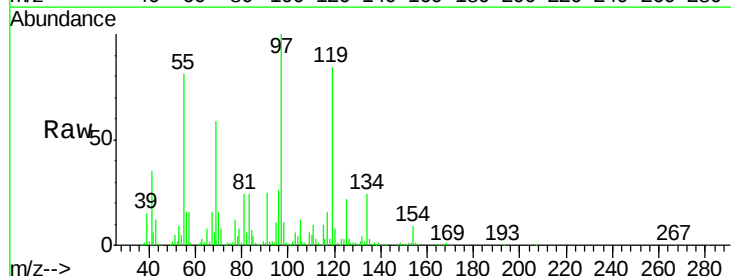
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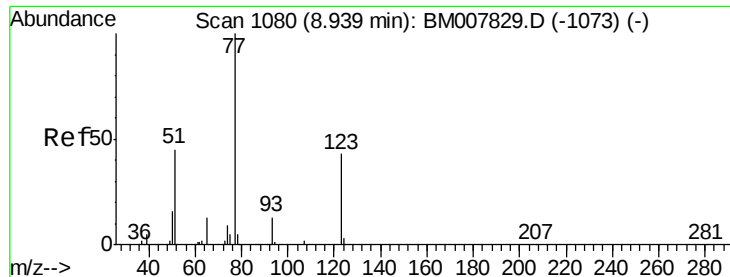
Tgt Ion: 70 Resp: 517054
Ion Ratio Lower Upper
70 100
42 59.8 43.4 65.2
101 0.2 7.8 11.6#
130 0.0 16.2 24.4#



#17
Hexachloroethane
Concen: 158.86 ng/ul
RT: 8.86 min Scan# 1066
Delta R.T. 0.05 min
Lab File: BM007840.D
Acq: 11 Nov 2016 23:41

Tgt Ion: 117 Resp: 803262
Ion Ratio Lower Upper
117 100
201 0.0 90.3 135.5#
199 0.0 58.5 87.7#

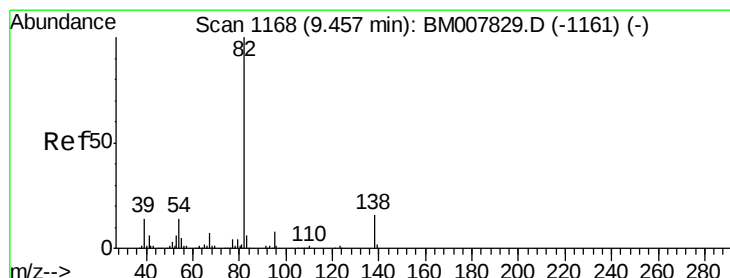
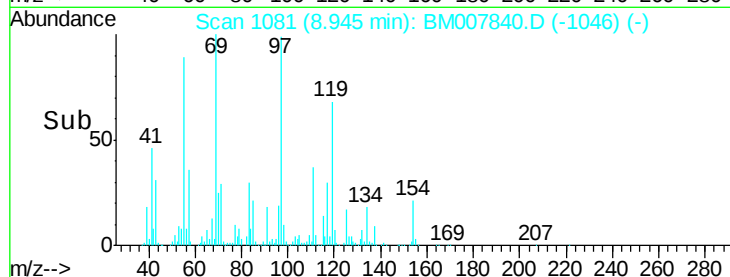
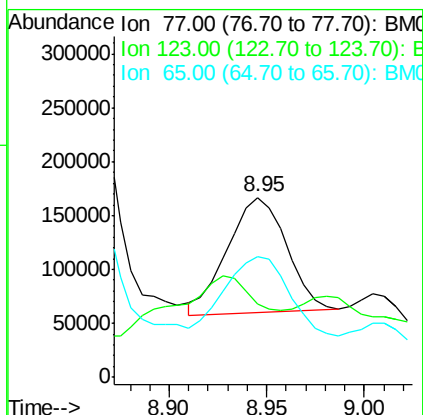
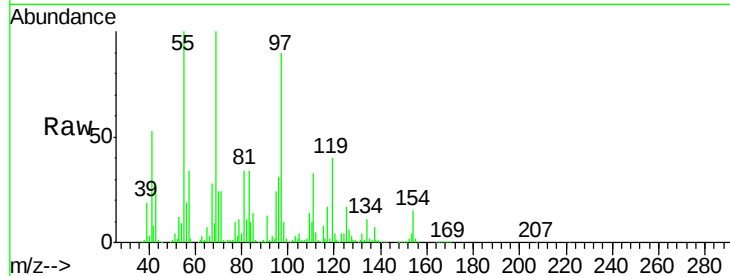




#20
Nitrobenzene
Concen: 15.90 ng/ul
RT: 8.95 min Scan# 1081
Delta R.T. 0.01 min
Lab File: BM007840.D
Acq: 11 Nov 2016 23:41

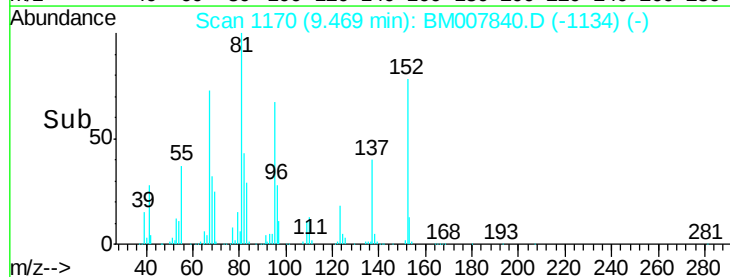
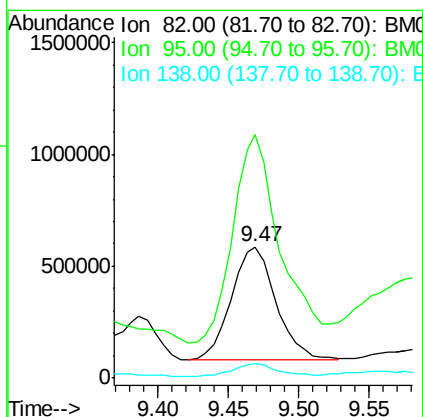
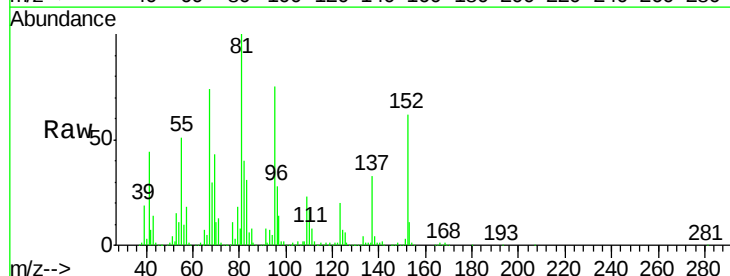
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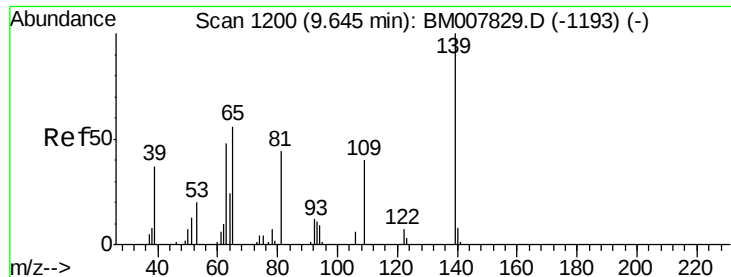
Tgt Ion: 77 Resp: 225696
Ion Ratio Lower Upper
77 100
123 40.9 34.2 51.4
65 67.3 11.0 16.6#



#21
Isophorone
Concen: 45.70 ng/ul
RT: 9.47 min Scan# 1170
Delta R.T. 0.01 min
Lab File: BM007840.D
Acq: 11 Nov 2016 23:41

Tgt Ion: 82 Resp: 1109383
Ion Ratio Lower Upper
82 100
95 185.5 6.9 10.3#
138 10.7 13.8 20.8#

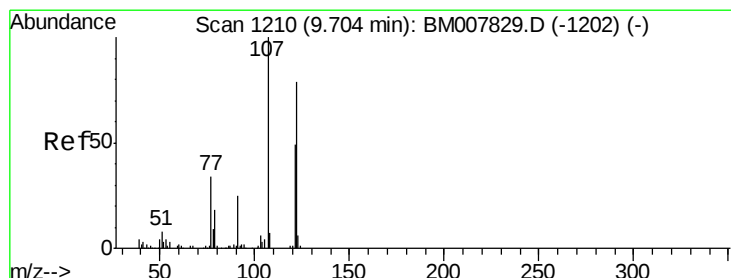
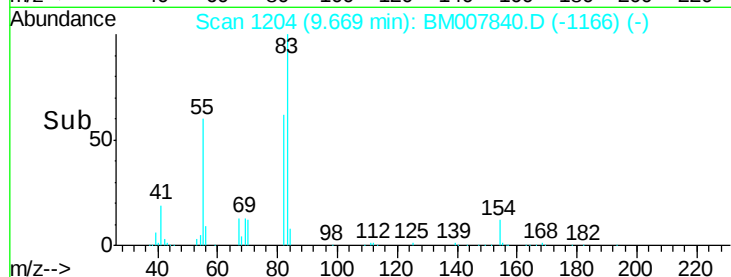
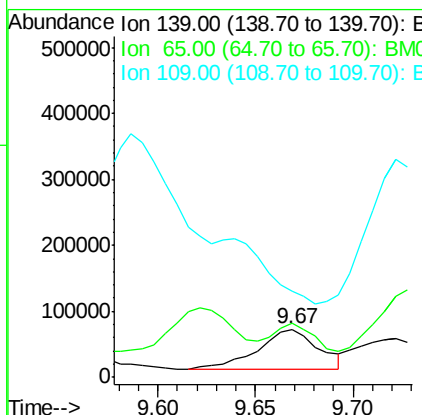
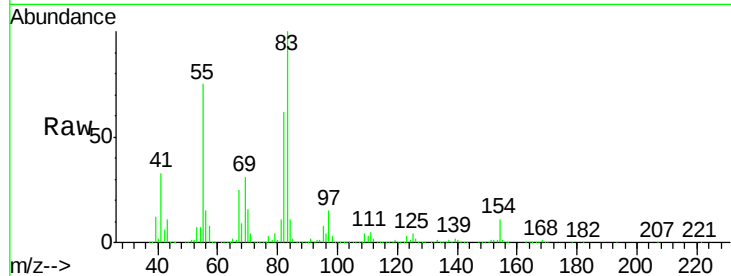




#23
 2-Nitrophenol
 Concen: 21.68 ng/ul
 RT: 9.67 min Scan# 1204
 Delta R.T. 0.02 min
 Lab File: BM007840.D
 Acq: 11 Nov 2016 23:41

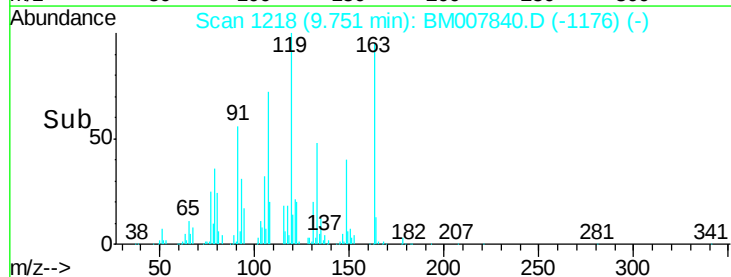
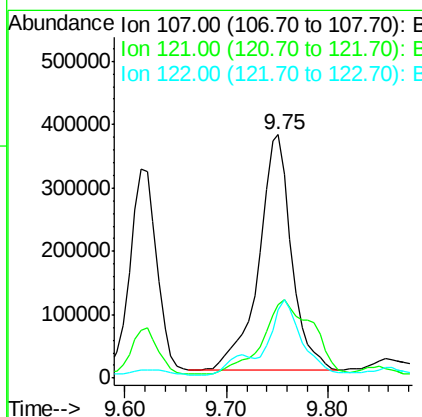
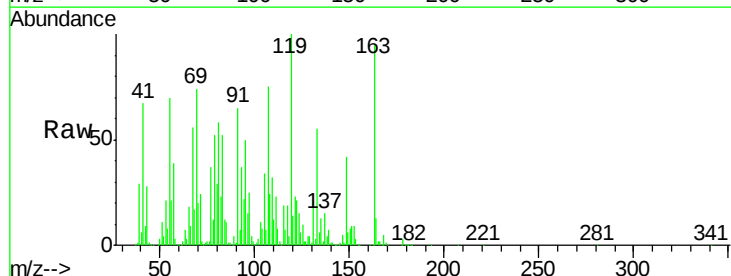
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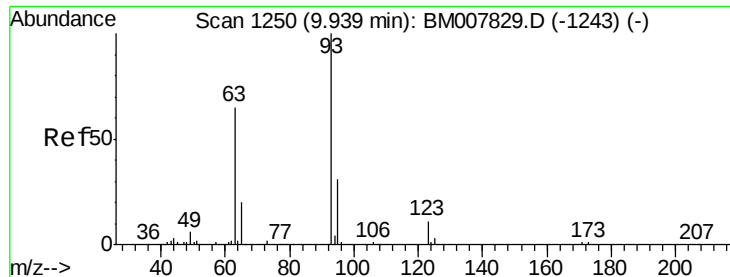
Tgt Ion:139 Resp: 132537
 Ion Ratio Lower Upper
 139 100
 65 113.4 44.2 66.4#
 109 177.4 28.2 42.4#



#24
 2,4-Dimethylphenol
 Concen: 60.56 ng/ul
 RT: 9.75 min Scan# 1218
 Delta R.T. 0.05 min
 Lab File: BM007840.D
 Acq: 11 Nov 2016 23:41

Tgt Ion:107 Resp: 844453
 Ion Ratio Lower Upper
 107 100
 121 30.3 37.1 55.7#
 122 27.8 62.8 94.2#





#25

Bis(2-Chloroethoxy)methane

Concen: 6.17 ng/ul

RT: 9.95 min Scan# 1252

Delta R.T. 0.01 min

Lab File: BM007840.D

Acq: 11 Nov 2016 23:41

Instrument :

BNA_M

ClientSampleId :

BD4M5

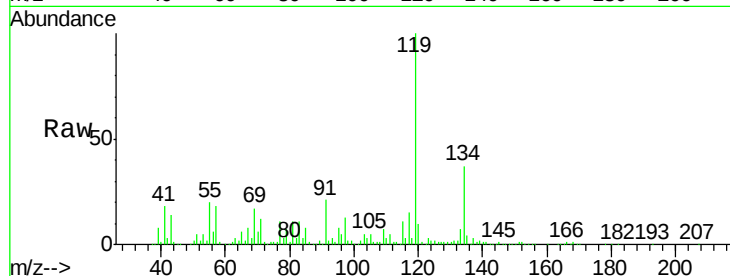
Tgt Ion: 93 Resp: 91652

Ion Ratio Lower Upper

93 100

95 299.9 25.4 38.0#

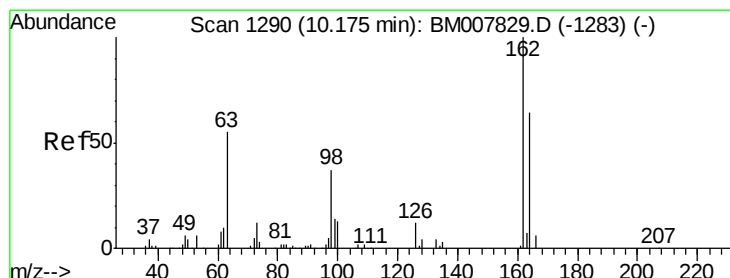
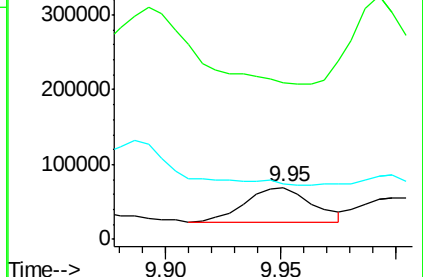
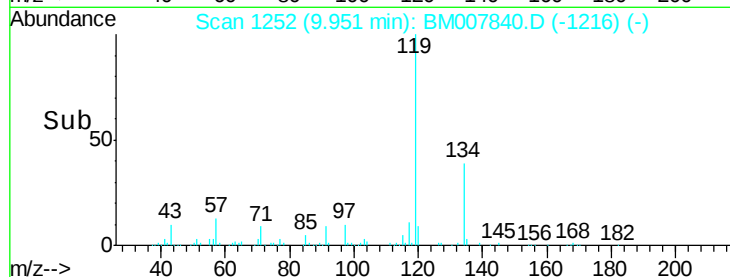
123 107.4 8.3 12.5#



Abundance Ion 93.00 (92.70 to 93.70): BM007829.D (-1243) (-)

Ion 95.00 (94.70 to 95.70): BM007829.D (-1243) (-)

Ion 123.00 (122.70 to 123.70): BM007829.D (-1243) (-)



#27

2,4-Dichlorophenol

Concen: 4.85 ng/ul

RT: 10.19 min Scan# 1293

Delta R.T. 0.02 min

Lab File: BM007840.D

Acq: 11 Nov 2016 23:41

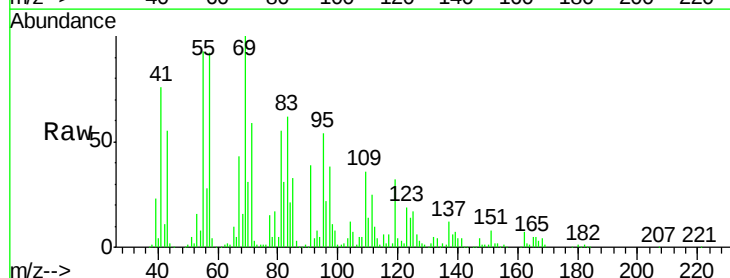
Tgt Ion: 162 Resp: 54963

Ion Ratio Lower Upper

162 100

164 13.1 51.6 77.4#

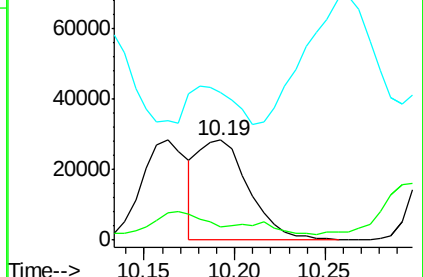
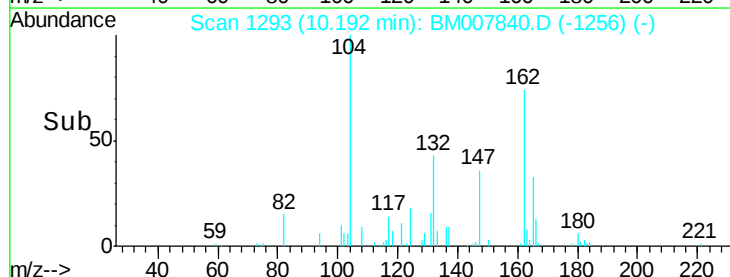
98 148.2 28.4 42.6#

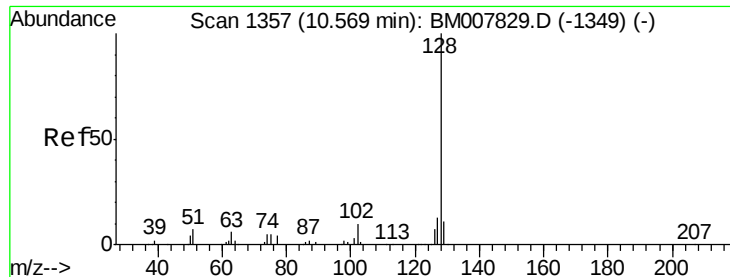


Abundance Ion 162.00 (161.70 to 162.70): BM007829.D (-1283) (-)

Ion 164.00 (163.70 to 164.70): BM007829.D (-1283) (-)

Ion 98.00 (97.70 to 98.70): BM007829.D (-1283) (-)

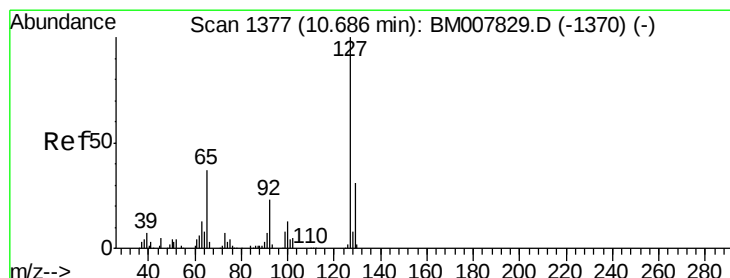
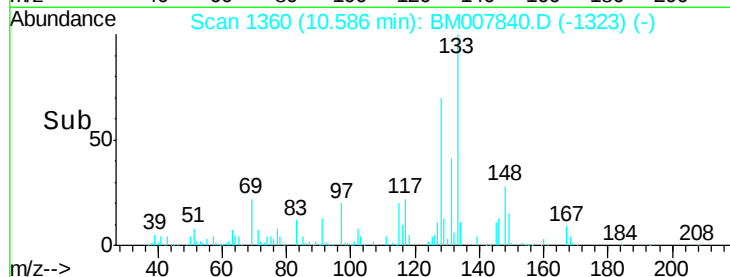
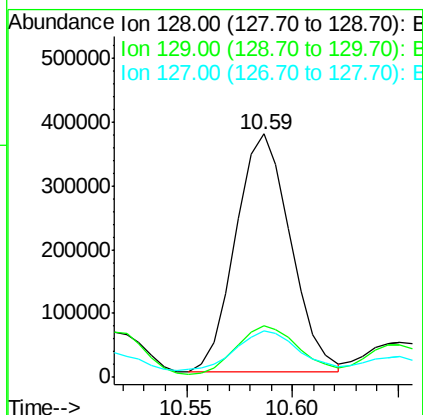
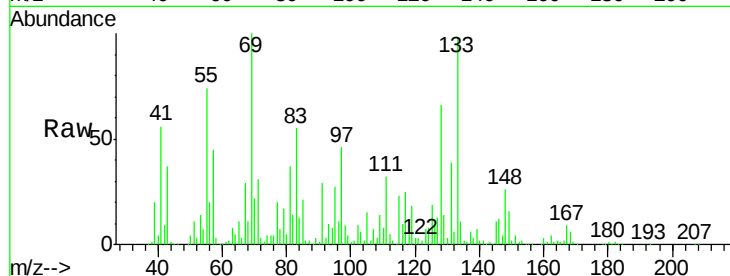




#28
Naphthalene
Concen: 18.13 ng/ul
RT: 10.59 min Scan# 1360
Delta R.T. 0.02 min
Lab File: BM007840.D
Acq: 11 Nov 2016 23:41

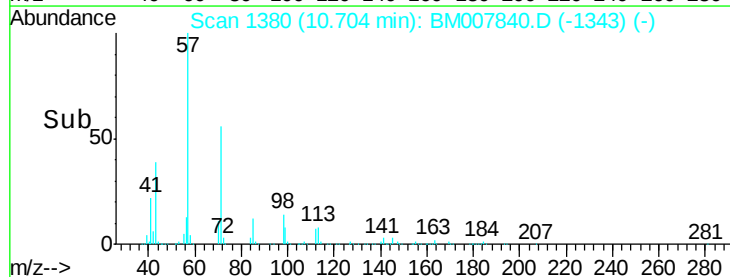
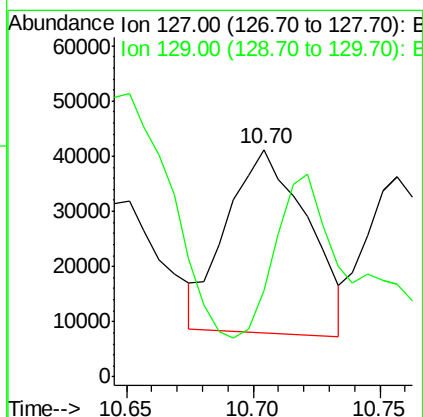
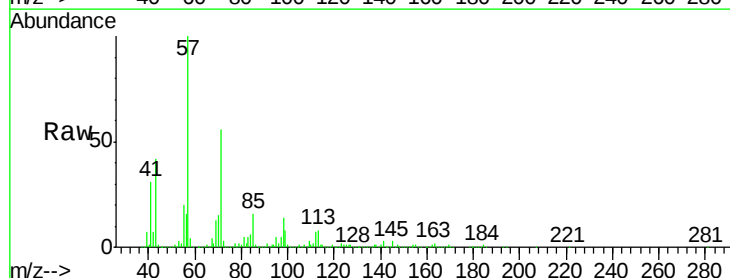
Instrument :
BNA_M
ClientSampled :
BD4M5

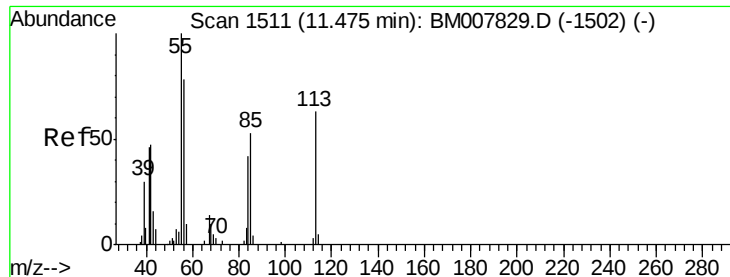
Tgt Ion:128 Resp: 676255
Ion Ratio Lower Upper
128 100
129 21.2 8.6 12.8#
127 19.0 10.6 15.8#



#30
4-Chloroaniline
Concen: 5.55 ng/ul
RT: 10.70 min Scan# 1380
Delta R.T. 0.02 min
Lab File: BM007840.D
Acq: 11 Nov 2016 23:41

Tgt Ion:127 Resp: 73877
Ion Ratio Lower Upper
127 100
129 38.0 24.6 37.0#





#32

Caprolactam

Concen: 16.77 ng/ul

RT: 11.45 min Scan# 1507

Delta R.T. -0.02 min

Lab File: BM007840.D

Acq: 11 Nov 2016 23:41

Instrument :

BNA_M

ClientSampleId :

BD4M5

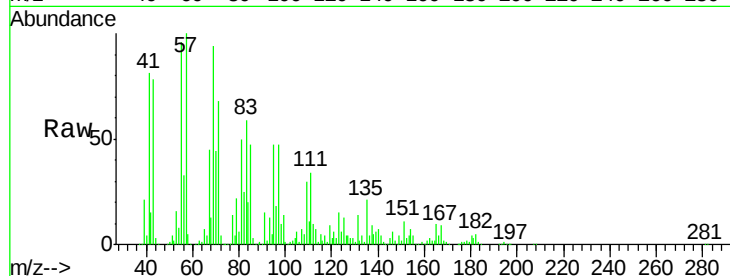
Tgt Ion:113 Resp: 52664

Ion Ratio Lower Upper

113 100

55 1450.3 121.9 182.9#

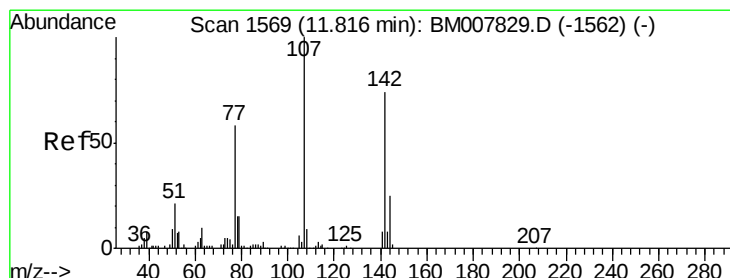
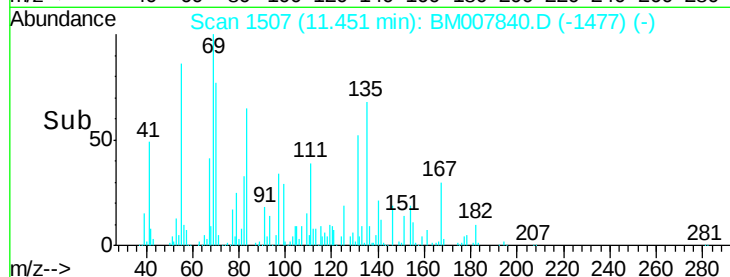
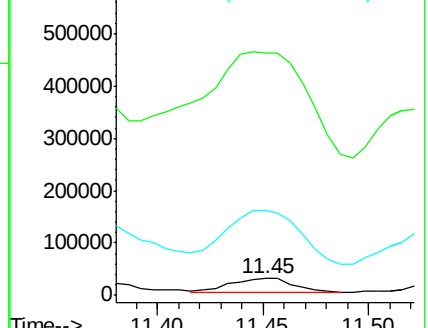
56 503.8 97.4 146.0#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#33

4-Chloro-3-methylphenol

Concen: 6.86 ng/ul

RT: 11.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: BM007840.D

Acq: 11 Nov 2016 23:41

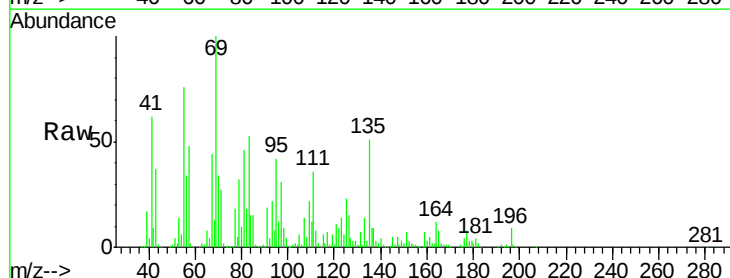
Tgt Ion:107 Resp: 81445

Ion Ratio Lower Upper

107 100

144 2.5 21.1 31.7#

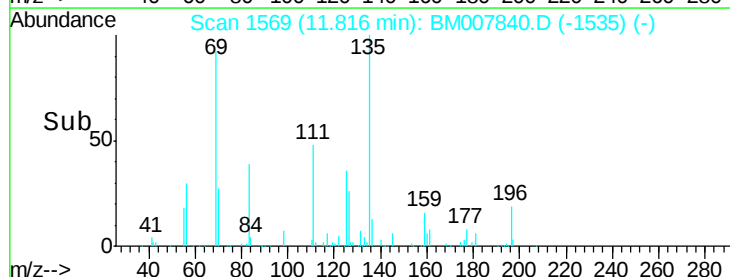
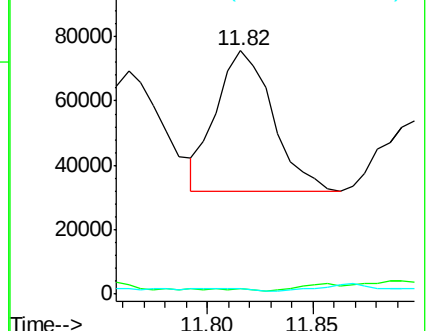
142 2.2 64.1 96.1#

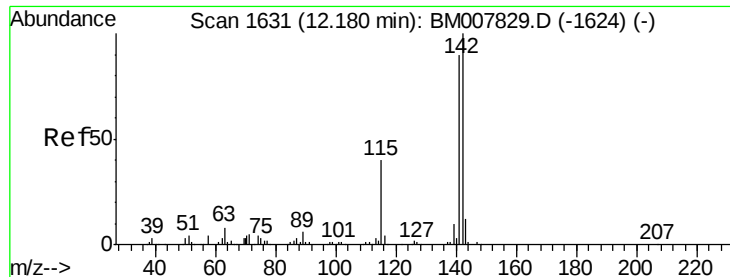


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E

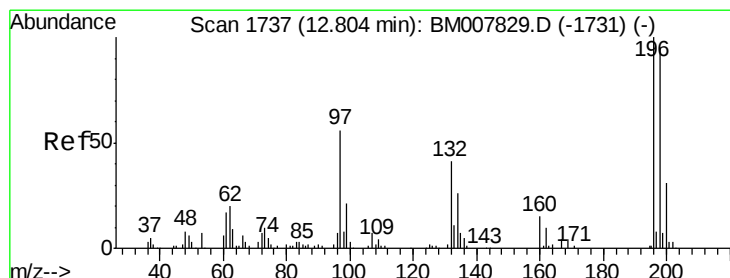
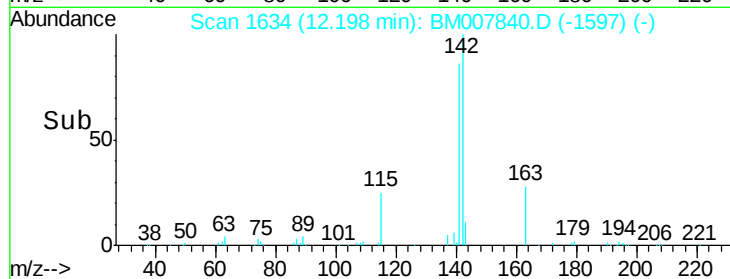
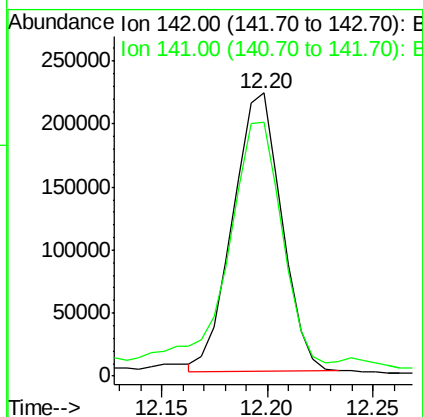
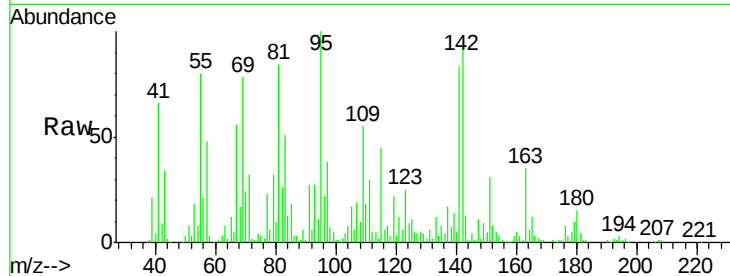




#34
2-Methylnaphthalene
Concen: 13.39 ng/ul
RT: 12.20 min Scan# 1634
Delta R.T. 0.02 min
Lab File: BM007840.D
Acq: 11 Nov 2016 23:41

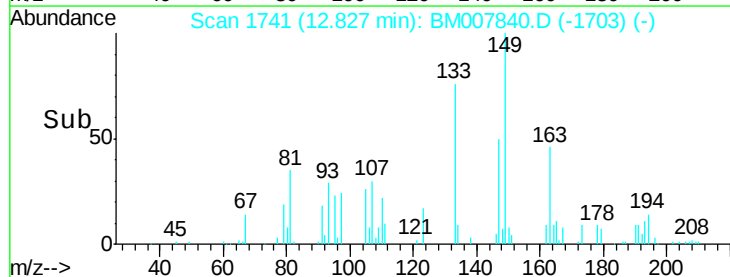
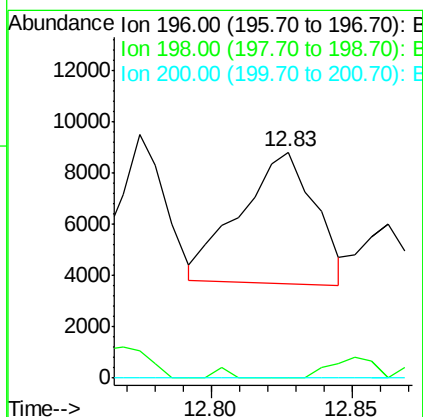
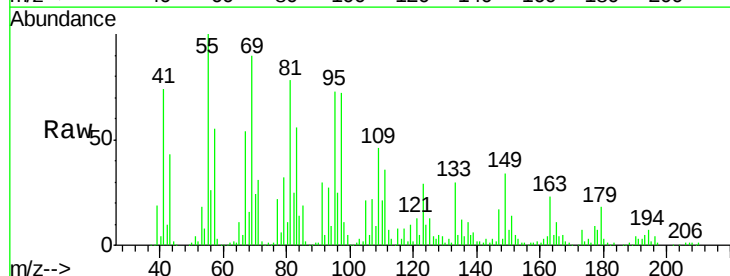
Instrument :
BNA_M
ClientSampleId :
BD4M5

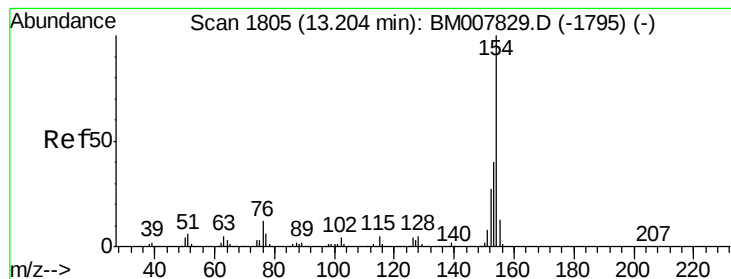
Tgt Ion:142 Resp: 355193
Ion Ratio Lower Upper
142 100
141 89.5 71.3 106.9



#38
2,4,6-Trichlorophenol
Concen: 1.05 ng/ul
RT: 12.83 min Scan# 1741
Delta R.T. 0.02 min
Lab File: BM007840.D
Acq: 11 Nov 2016 23:41

Tgt Ion:196 Resp: 9368
Ion Ratio Lower Upper
196 100
198 0.0 76.9 115.3#
200 0.0 25.1 37.7#





#40

1,1'-Biphenyl

Concen: 7.50 ng/ul

RT: 13.21 min Scan# 1806

Delta R.T. 0.01 min

Lab File: BM007840.D

Acq: 11 Nov 2016 23:41

Instrument :

BNA_M

ClientSampleId :

BD4M5

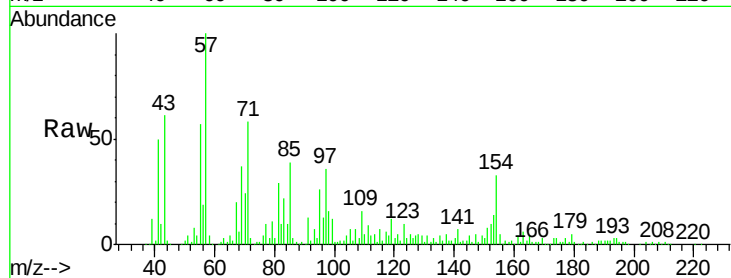
Tgt Ion:154 Resp: 263615

Ion Ratio Lower Upper

154 100

153 43.1 31.3 46.9

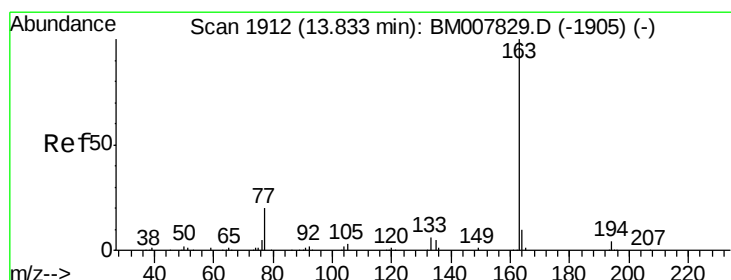
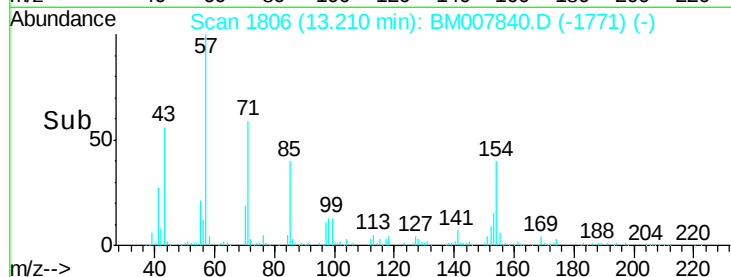
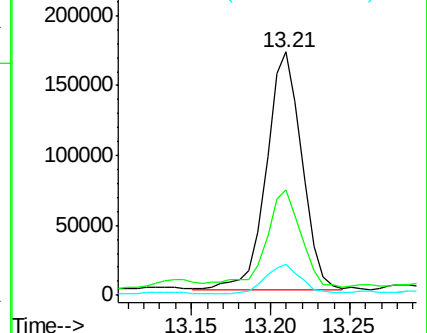
76 12.9 10.0 15.0



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: 6.13 ng/ul

RT: 13.83 min Scan# 1912

Delta R.T. 0.00 min

Lab File: BM007840.D

Acq: 11 Nov 2016 23:41

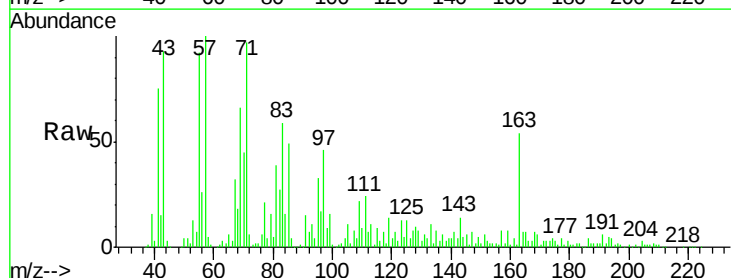
Tgt Ion:163 Resp: 201929

Ion Ratio Lower Upper

163 100

194 8.3 3.4 5.2#

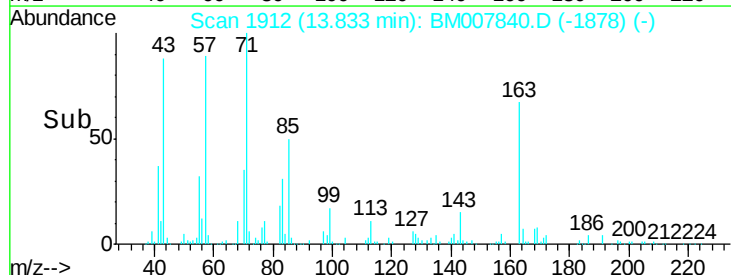
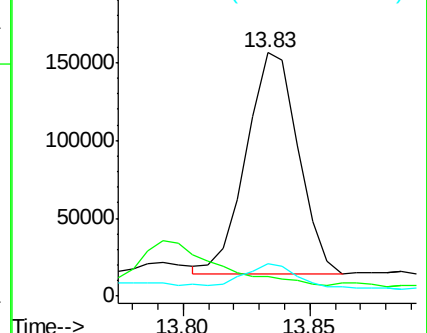
164 13.1 7.8 11.8#

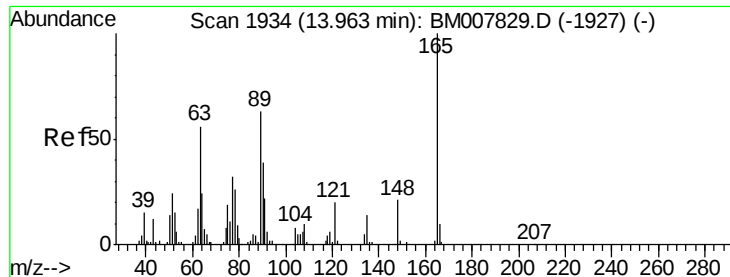


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

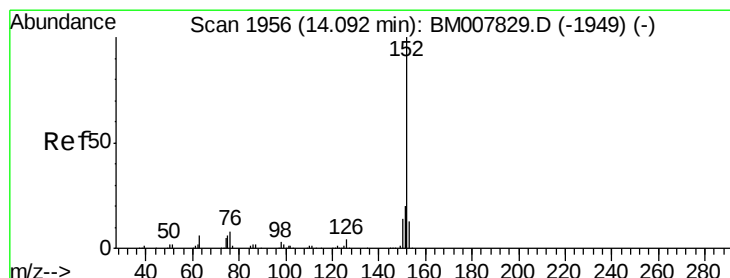
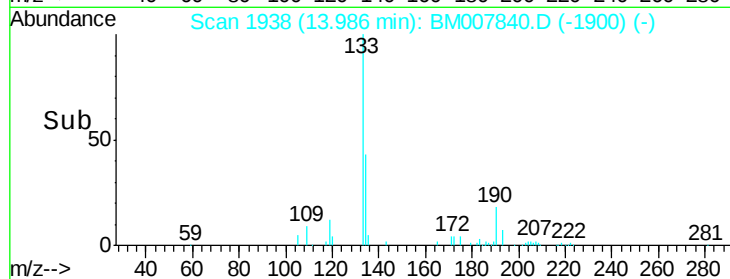
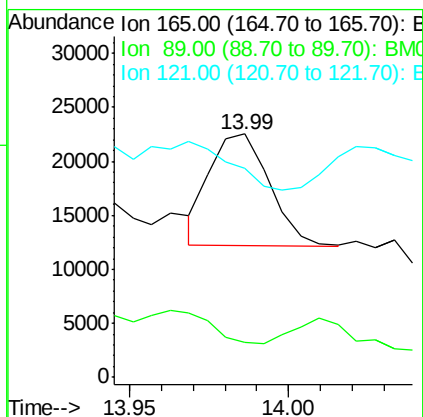
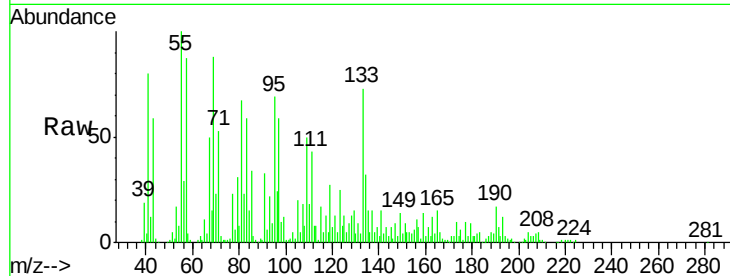




#45
 2,6-Dinitrotoluene
 Concen: 2.16 ng/ul
 RT: 13.99 min Scan# 1938
 Delta R.T. 0.02 min
 Lab File: BM007840.D
 Acq: 11 Nov 2016 23:41

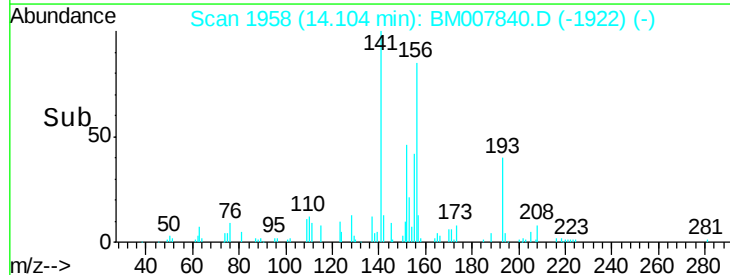
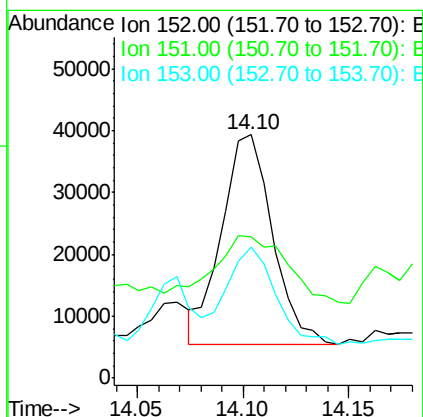
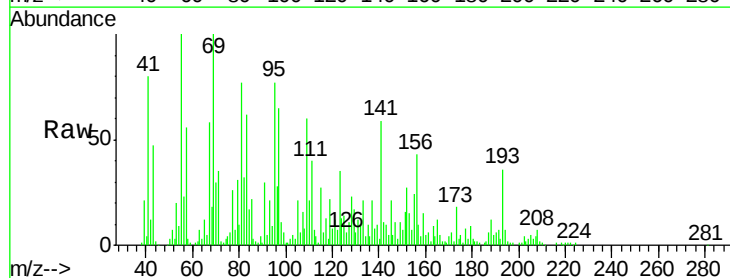
Instrument :
 BNA_M
 ClientSampleId :
 BD4M5

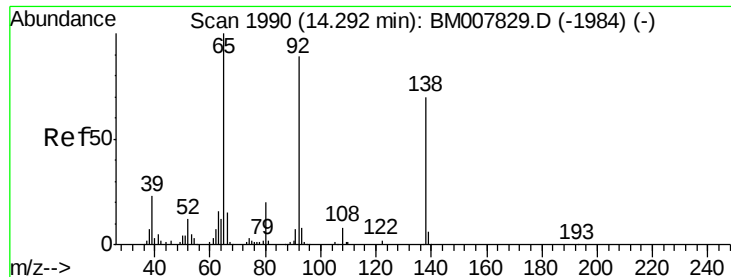
Tgt Ion:165 Resp: 13394
 Ion Ratio Lower Upper
 165 100
 89 14.3 46.6 69.8#
 121 85.6 16.0 24.0#



#47
 Acenaphthylene
 Concen: 1.37 ng/ul
 RT: 14.10 min Scan# 1958
 Delta R.T. 0.01 min
 Lab File: BM007840.D
 Acq: 11 Nov 2016 23:41

Tgt Ion:152 Resp: 56876
 Ion Ratio Lower Upper
 152 100
 151 58.2 16.0 24.0#
 153 53.7 11.0 16.6#

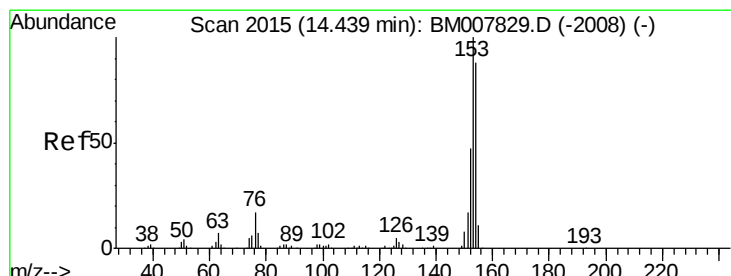
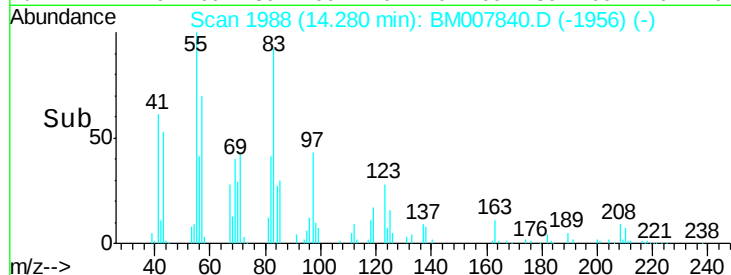
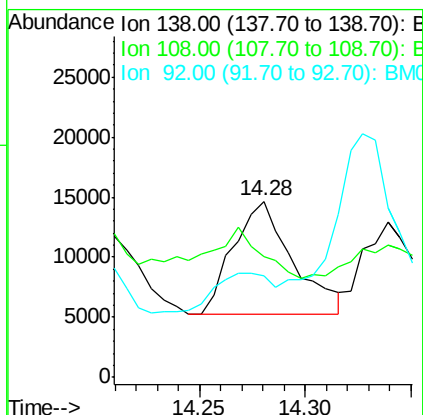
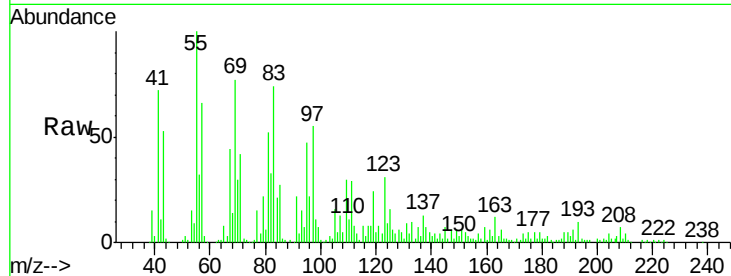




#48
3-Nitroaniline
Concen: 3.02 ng/ul
RT: 14.28 min Scan# 1988
Delta R.T. -0.01 min
Lab File: BM007840.D
Acq: 11 Nov 2016 23:41

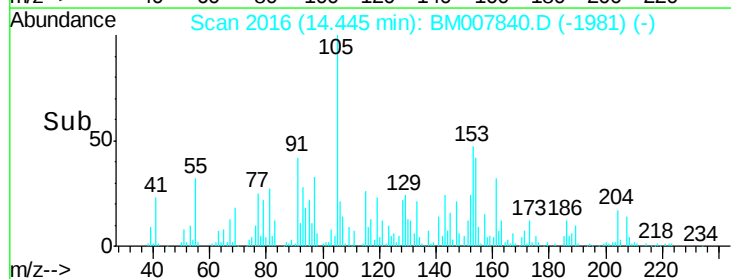
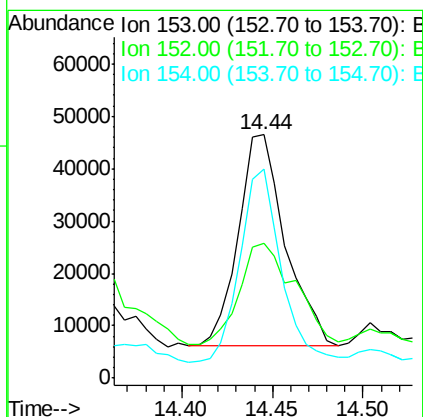
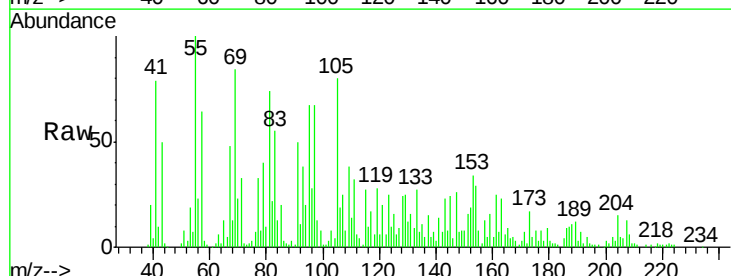
Instrument :
BNA_M
ClientSampleId :
BD4M5

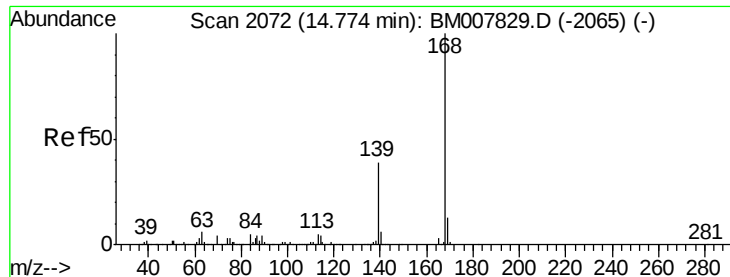
Tgt Ion:138 Resp: 18506
Ion Ratio Lower Upper
138 100
108 68.7 9.4 14.0#
92 57.7 96.6 145.0#



#49
Acenaphthene
Concen: 2.56 ng/ul
RT: 14.44 min Scan# 2016
Delta R.T. 0.01 min
Lab File: BM007840.D
Acq: 11 Nov 2016 23:41

Tgt Ion:153 Resp: 73117
Ion Ratio Lower Upper
153 100
152 55.3 37.8 56.6
154 85.9 71.4 107.0





#53

Dibenzofuran

Concen: 12.38 ng/ul

RT: 14.78 min Scan# 2073

Delta R.T. 0.01 min

Lab File: BM007840.D

Acq: 11 Nov 2016 23:41

Instrument :

BNA_M

ClientSampleId :

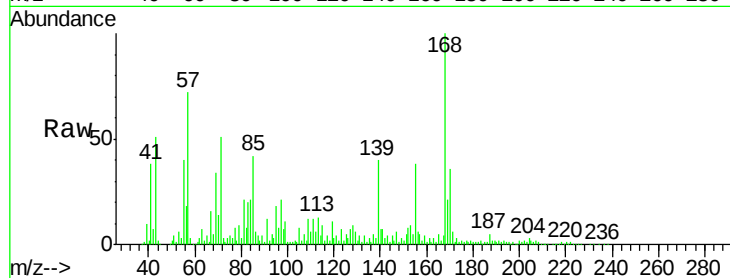
BD4M5

Tgt Ion:168 Resp: 507992

Ion Ratio Lower Upper

168 100

139 40.5 30.1 45.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.78

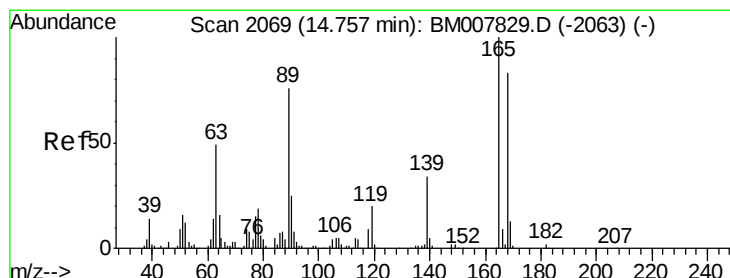
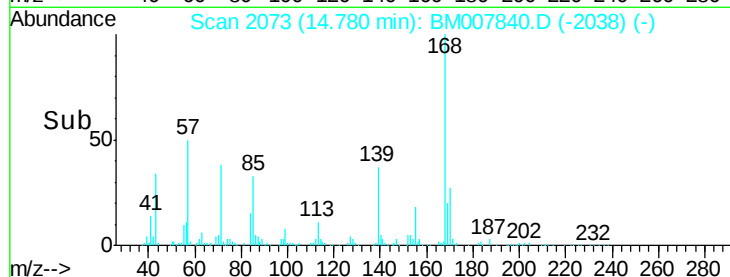
300000

200000

100000

0

Time--> 14.70 14.75 14.80 14.85



#54

2,4-Dinitrotoluene

Concen: 1.71 ng/ul

RT: 14.78 min Scan# 2073

Delta R.T. 0.02 min

Lab File: BM007840.D

Acq: 11 Nov 2016 23:41

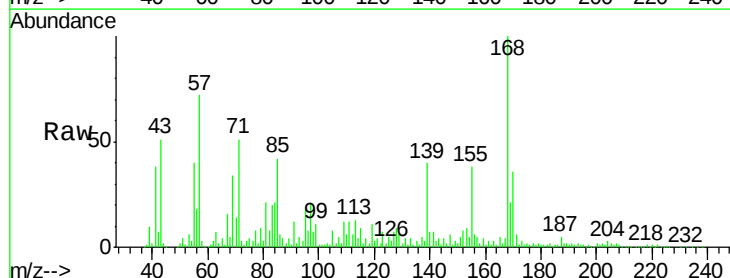
Tgt Ion:165 Resp: 15252

Ion Ratio Lower Upper

165 100

63 139.4 36.2 54.2#

182 30.3 2.2 3.4#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 182.00 (181.70 to 182.70): E

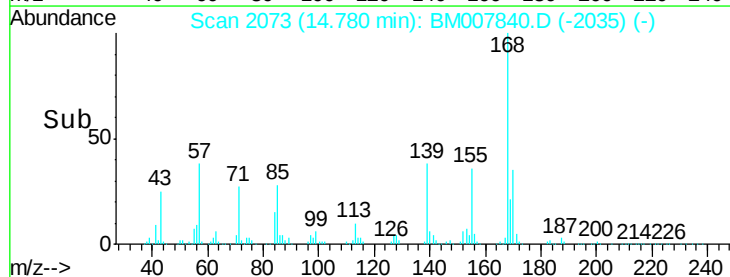
30000

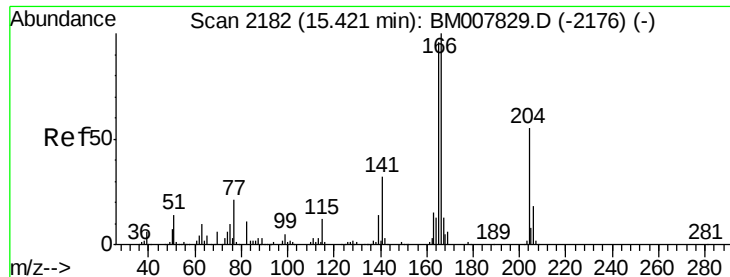
20000

10000

0

Time--> 14.75 14.80





#58

Fluorene

Concen: 19.37 ng/ul

RT: 15.43 min Scan# 2183

Delta R.T. 0.01 min

Lab File: BM007840.D

Acq: 11 Nov 2016 23:41

Instrument :

BNA_M

ClientSampleId :

BD4M5

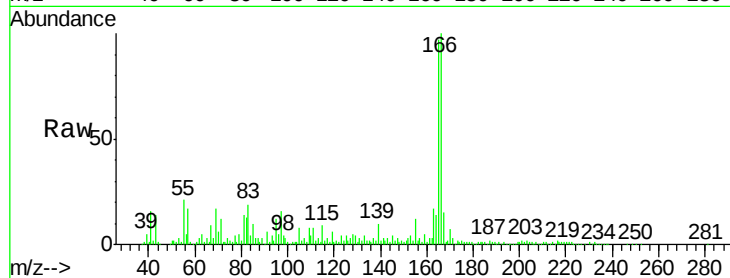
Tgt Ion:166 Resp: 634369

Ion Ratio Lower Upper

166 100

165 97.0 79.9 119.9

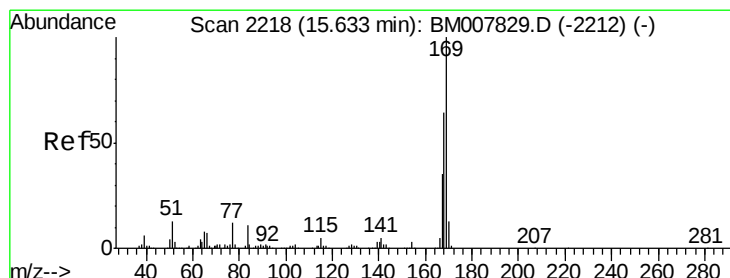
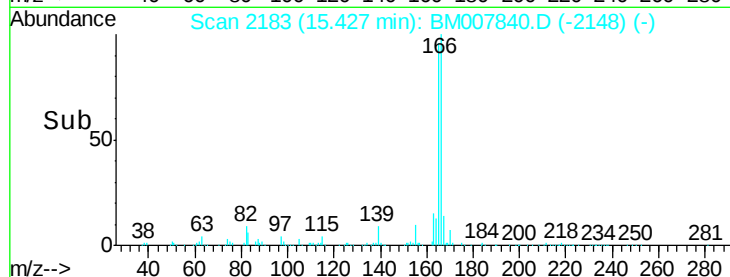
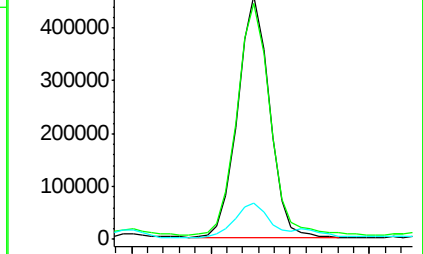
167 15.1 10.5 15.7



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



#64

N-Nitrosodiphenylamine

Concen: 3.31 ng/ul

RT: 15.63 min Scan# 2218

Delta R.T. 0.00 min

Lab File: BM007840.D

Acq: 11 Nov 2016 23:41

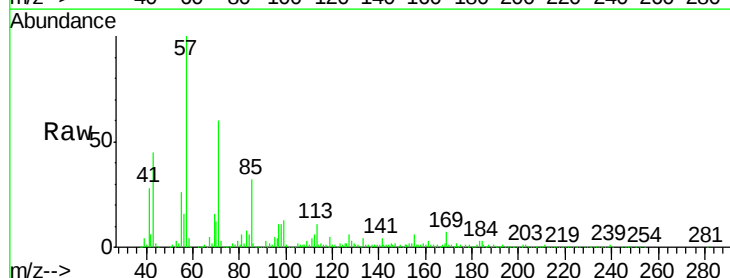
Tgt Ion:169 Resp: 91847

Ion Ratio Lower Upper

169 100

168 25.0 52.6 79.0#

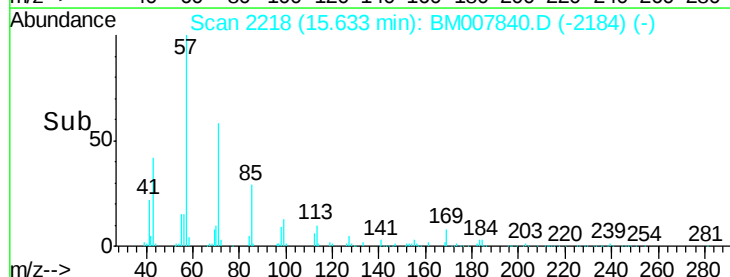
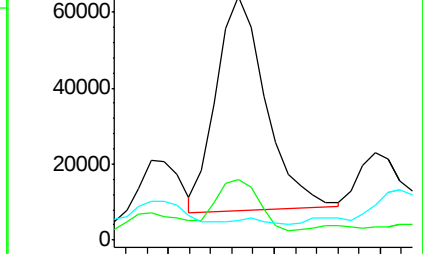
167 8.0 28.6 43.0#

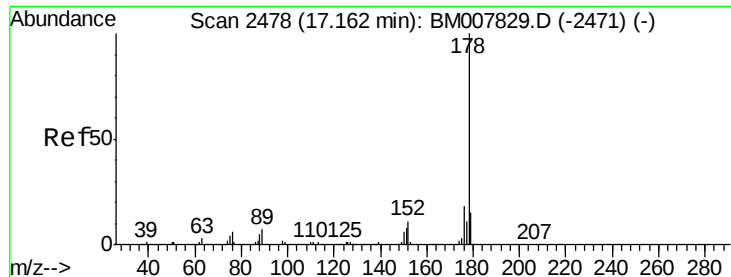


Abundance Ion 169.00 (168.70 to 169.70): E

Ion 168.00 (167.70 to 168.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 61.27 ng/ul

RT: 17.17 min Scan# 2479

Delta R.T. 0.01 min

Lab File: BM007840.D

Acq: 11 Nov 2016 23:41

Instrument :

BNA_M

ClientSampleId :

BD4M5

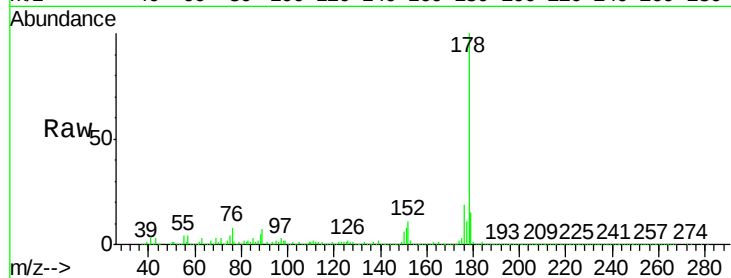
Tgt Ion:178 Resp: 3160716

Ion Ratio Lower Upper

178 100

179 15.4 12.2 18.2

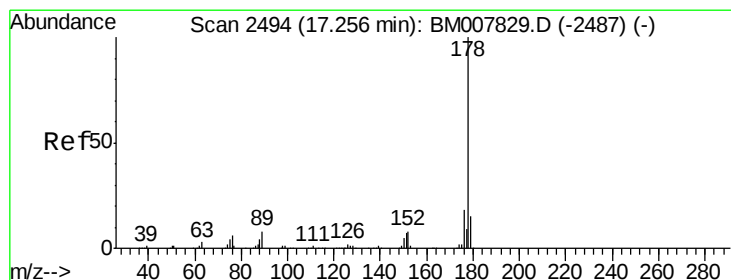
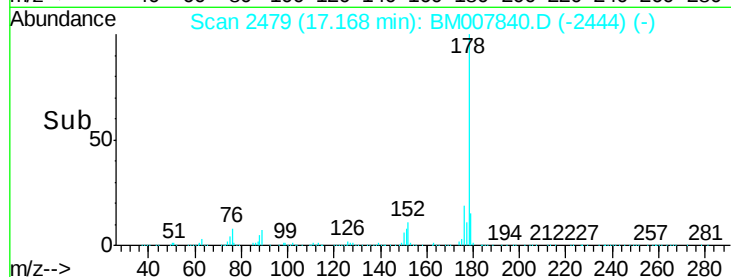
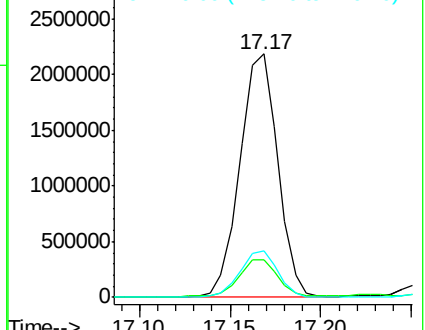
176 19.1 15.1 22.7



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



#71

Anthracene

Concen: 60.14 ng/ul

RT: 17.17 min Scan# 2479

Delta R.T. -0.09 min

Lab File: BM007840.D

Acq: 11 Nov 2016 23:41

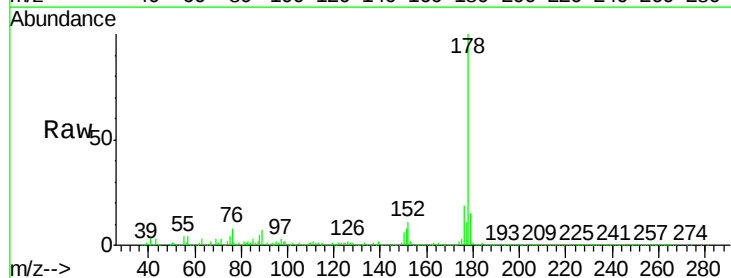
Tgt Ion:178 Resp: 3160716

Ion Ratio Lower Upper

178 100

179 15.4 12.1 18.1

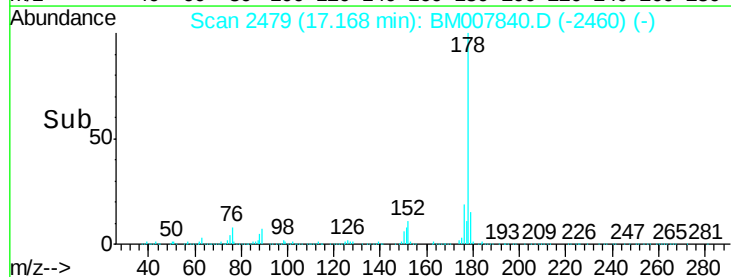
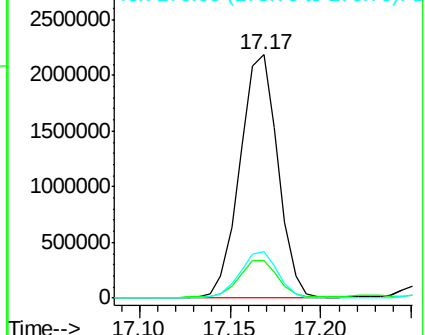
176 19.1 14.5 21.7

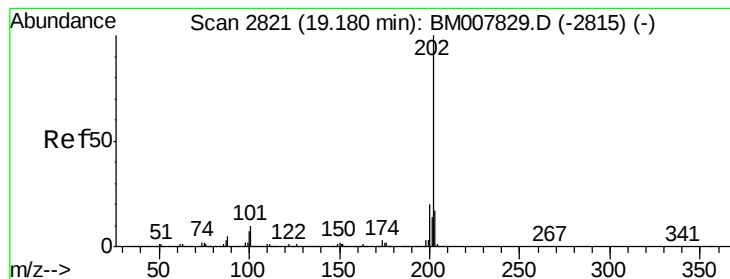


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Fluoranthene

Concen: 52.98 ng/ul

RT: 19.19 min Scan# 2822

Delta R.T. 0.01 min

Lab File: BM007840.D

Acq: 11 Nov 2016 23:41

Instrument :

BNA_M

ClientSampleId :

BD4M5

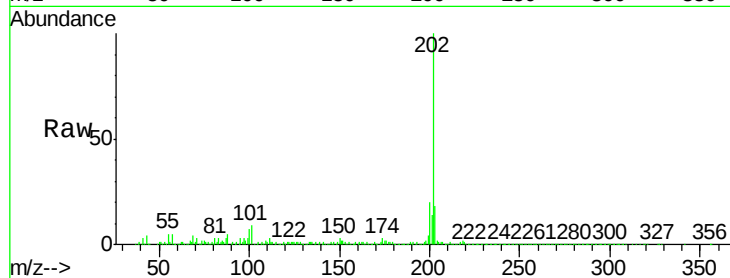
Tgt Ion:202 Resp: 3196710

Ion Ratio Lower Upper

202 100

101 8.8 6.9 10.3

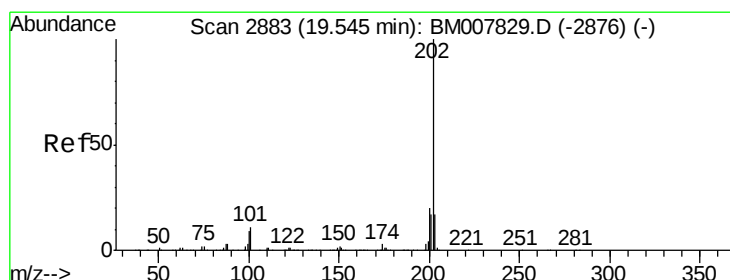
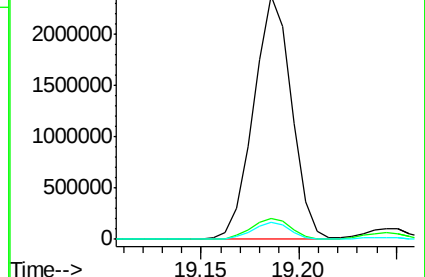
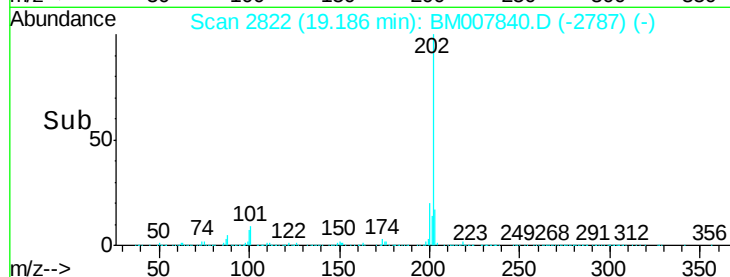
100 6.9 5.4 8.0



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



#77

Pyrene

Concen: 39.82 ng/ul

RT: 19.55 min Scan# 2884

Delta R.T. 0.01 min

Lab File: BM007840.D

Acq: 11 Nov 2016 23:41

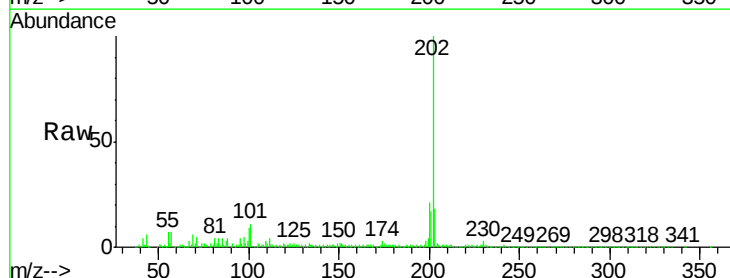
Tgt Ion:202 Resp: 2422034

Ion Ratio Lower Upper

202 100

101 11.1 8.4 12.6

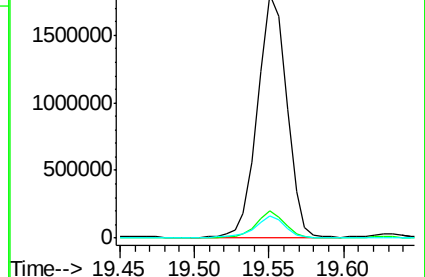
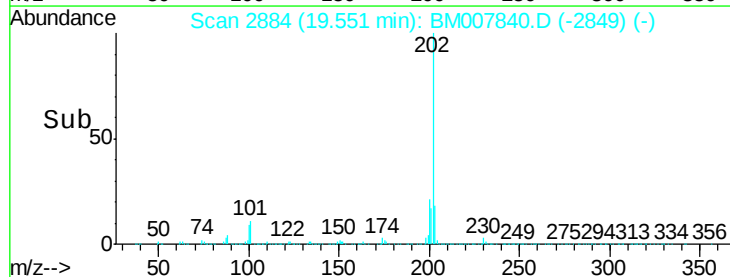
100 9.0 6.9 10.3

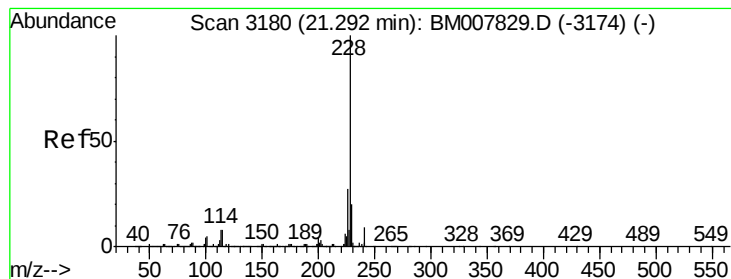


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 10.09 ng/ul

RT: 21.30 min Scan# 3181

Delta R.T. 0.01 min

Lab File: BM007840.D

Acq: 11 Nov 2016 23:41

Instrument :

BNA_M

ClientSampleId :

BD4M5

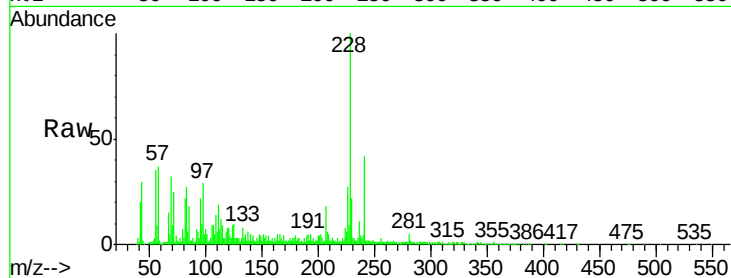
Tgt Ion:228 Resp: 634702

Ion Ratio Lower Upper

228 100

229 22.4 15.6 23.4

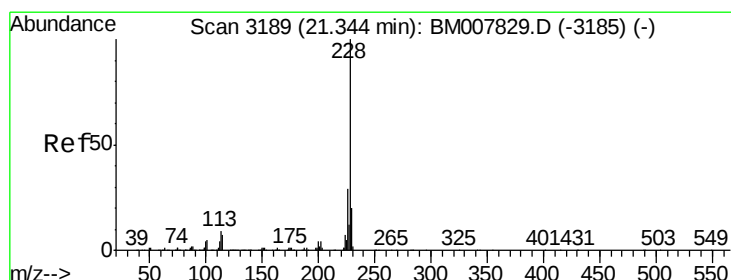
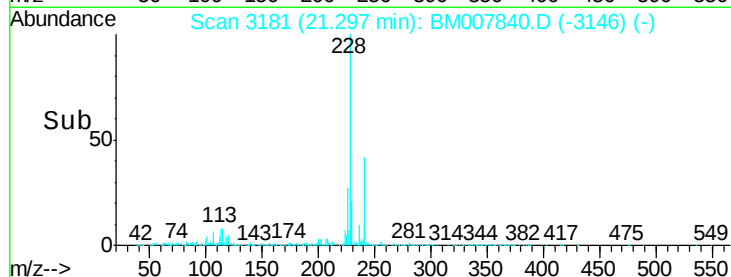
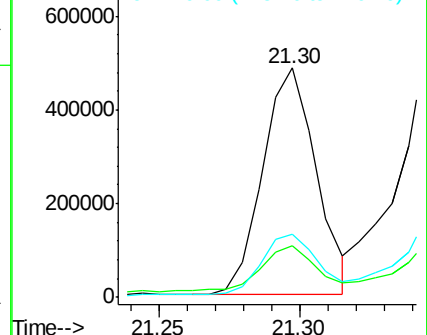
226 27.5 21.8 32.8



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



#82

Chrysene

Concen: 14.17 ng/ul

RT: 21.35 min Scan# 3190

Delta R.T. 0.01 min

Lab File: BM007840.D

Acq: 11 Nov 2016 23:41

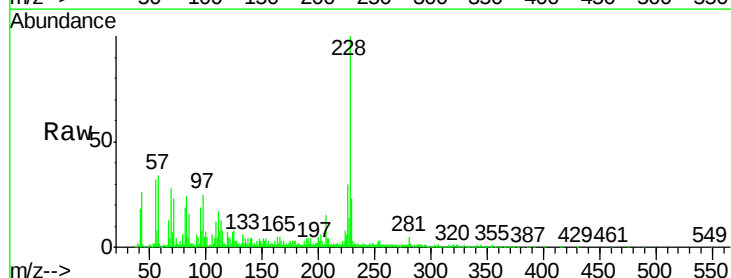
Tgt Ion:228 Resp: 857025

Ion Ratio Lower Upper

228 100

226 30.3 23.4 35.2

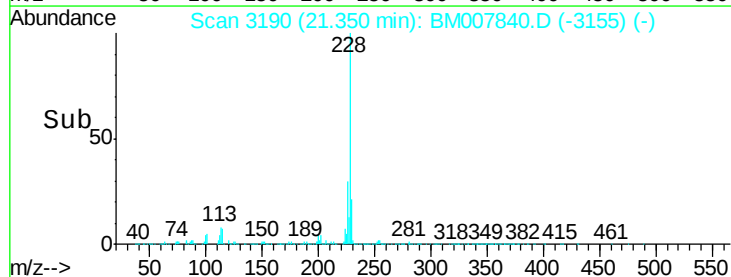
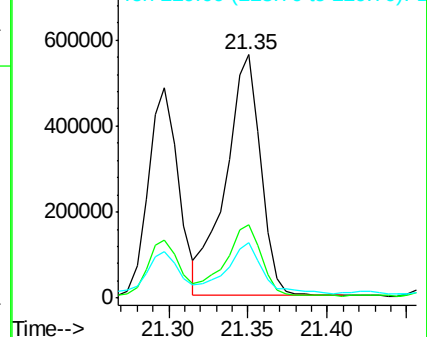
229 22.7 15.5 23.3

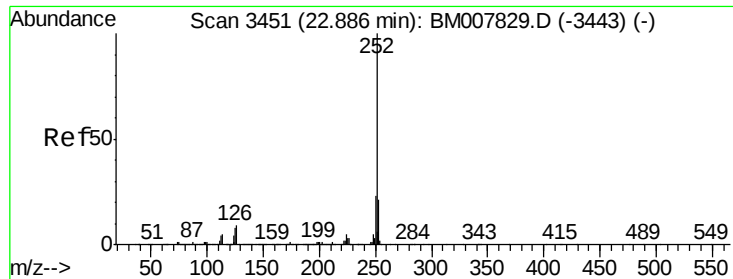


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 10.89 ng/ul

RT: 22.89 min Scan# 3452

Delta R.T. 0.01 min

Lab File: BM007840.D

Acq: 11 Nov 2016 23:41

Instrument :

BNA_M

ClientSampleId :

BD4M5

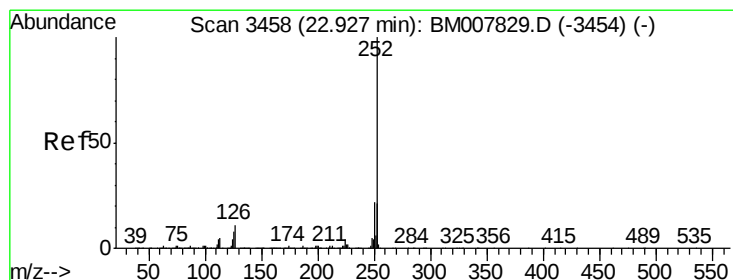
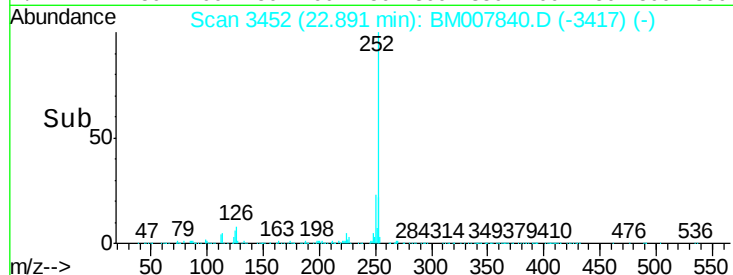
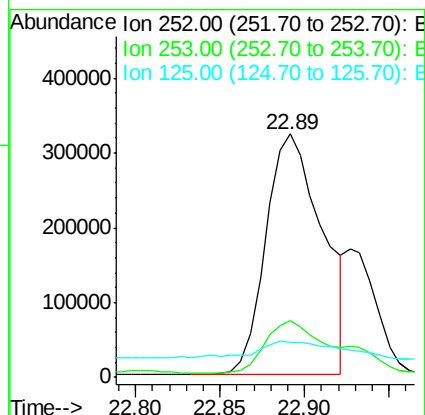
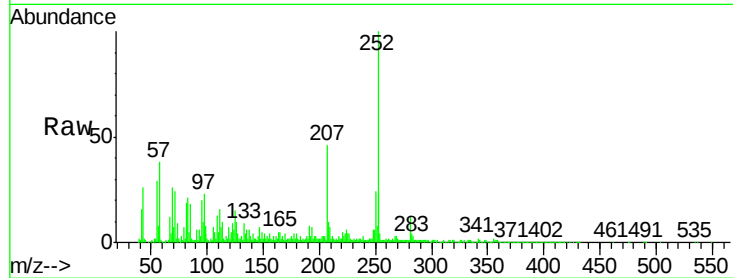
Tgt Ion:252 Resp: 748739

Ion Ratio Lower Upper

252 100

253 23.1 17.1 25.7

125 14.6 5.8 8.8#



#86

Benzo(k)fluoranthene

Concen: 11.84 ng/ul

RT: 22.89 min Scan# 3452

Delta R.T. -0.04 min

Lab File: BM007840.D

Acq: 11 Nov 2016 23:41

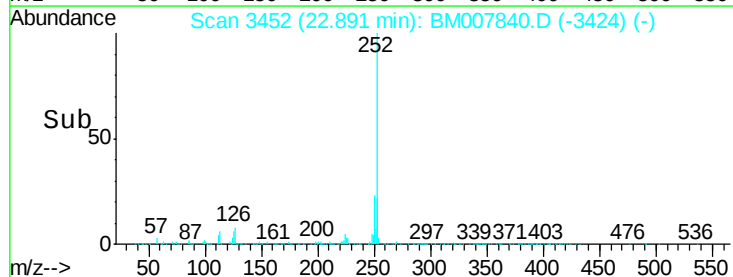
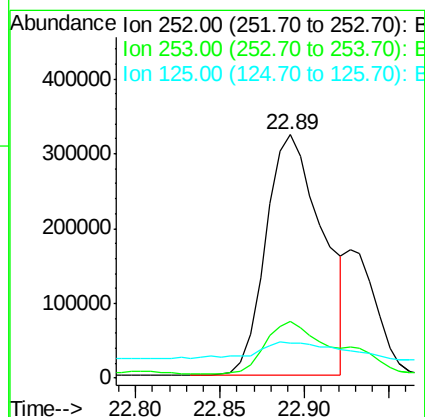
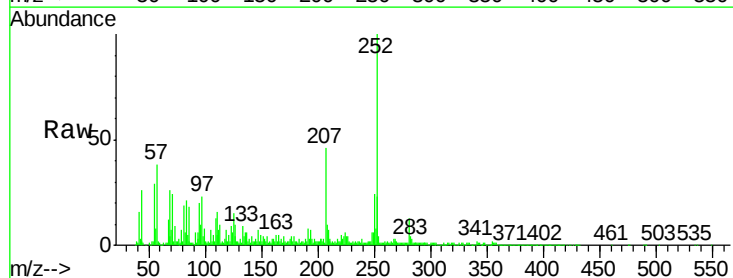
Tgt Ion:252 Resp: 748739

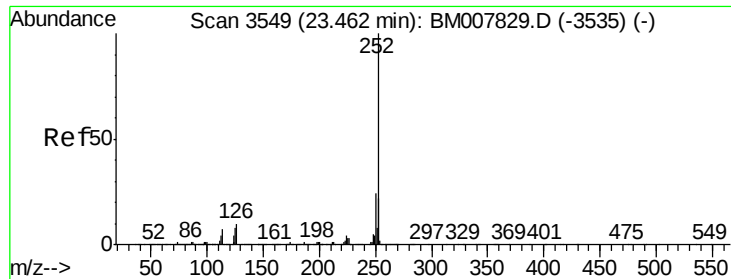
Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

125 14.6 5.7 8.5#





#88

Benzo(a)pyrene

Concen: 3.33 ng/ul

RT: 23.47 min Scan# 3550

Delta R.T. 0.01 min

Lab File: BM007840.D

Acq: 11 Nov 2016 23:41

Instrument :

BNA_M

ClientSampleId :

BD4M5

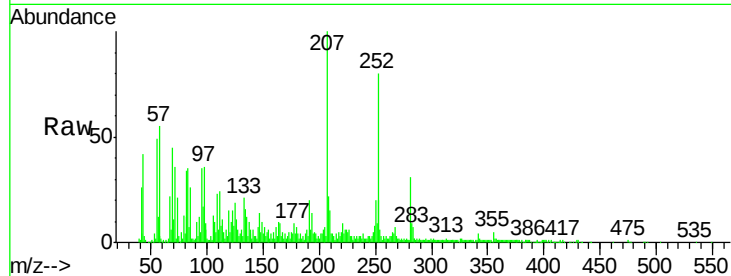
Tgt Ion:252 Resp: 215740

Ion Ratio Lower Upper

252 100

253 25.1 17.7 26.5

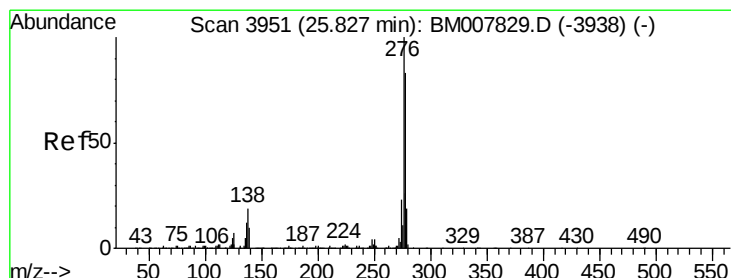
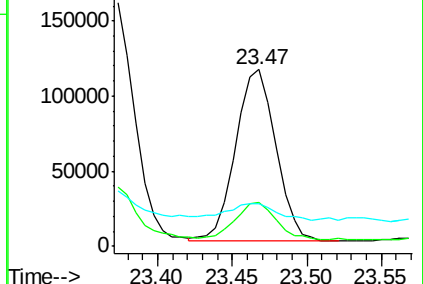
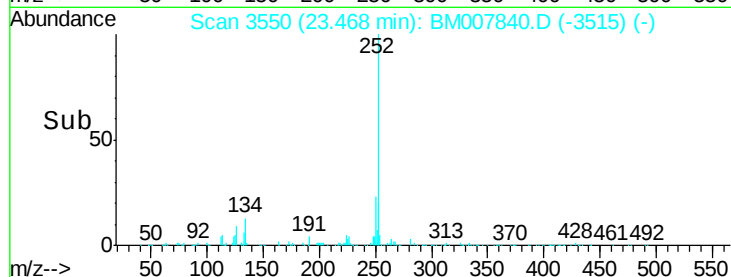
125 24.4 6.6 9.8#



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

Indeno(1,2,3-cd)pyrene

Concen: 3.35 ng/ul

RT: 25.83 min Scan# 3952

Delta R.T. 0.01 min

Lab File: BM007840.D

Acq: 11 Nov 2016 23:41

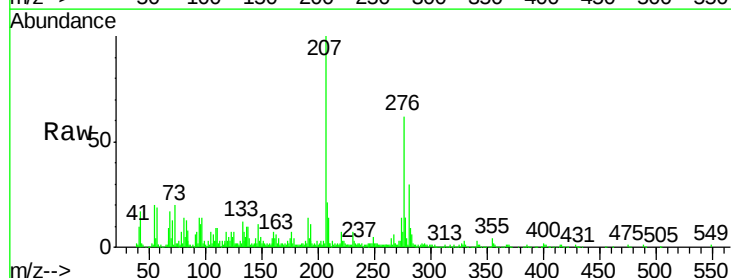
Tgt Ion:276 Resp: 260121

Ion Ratio Lower Upper

276 100

138 16.7 13.9 20.9

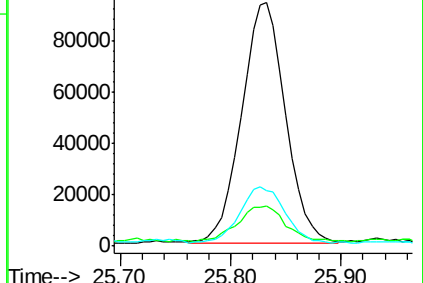
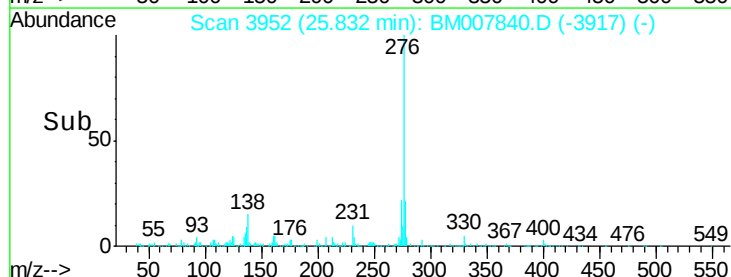
277 22.6 20.1 30.1

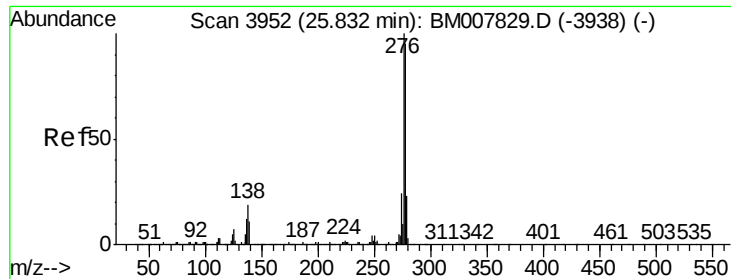


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 1.03 ng/ul

RT: 25.84 min Scan# 3953

Delta R.T. 0.01 min

Lab File: BM007840.D

Acq: 11 Nov 2016 23:41

Instrument :

BNA_M

ClientSampleId :

BD4M5

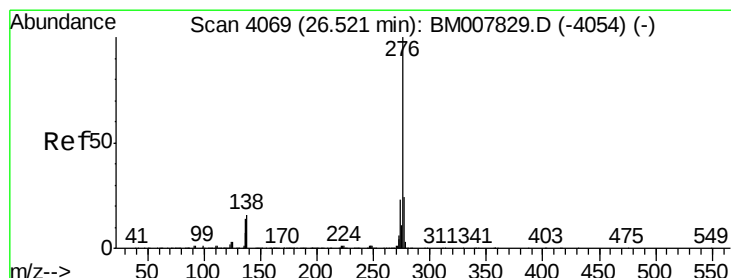
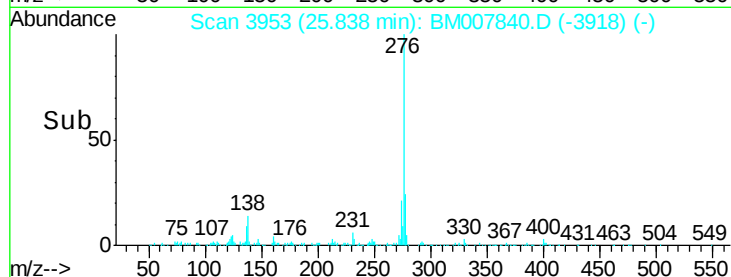
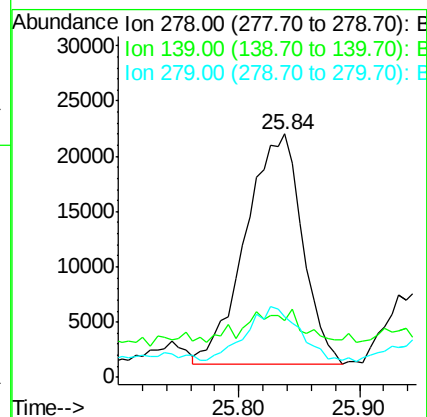
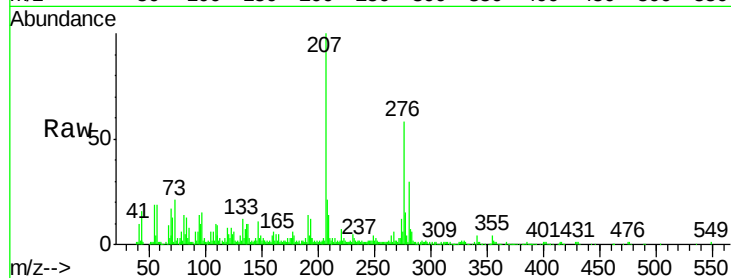
Tgt Ion:278 Resp: 67422

Ion Ratio Lower Upper

278 100

139 23.3 9.5 14.3#

279 24.8 19.1 28.7



#91

Benzo(g,h,i)perylene

Concen: 2.98 ng/ul

RT: 26.53 min Scan# 4070

Delta R.T. 0.01 min

Lab File: BM007840.D

Acq: 11 Nov 2016 23:41

Tgt Ion:276 Resp: 194308

Ion Ratio Lower Upper

276 100

138 16.8 13.5 20.3

277 24.5 19.3 28.9

