

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111116\
 Data File : BM007841.D
 Acq On : 12 Nov 2016 00:16
 Operator : UM/SJ
 Sample : H5610-11
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BD4M6

Quant Time: Nov 12 03:18:08 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	7.74	152	202273	20.00	ng/ul	0.00
18) Naphthalene-d8	10.52	136	801658	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.37	164	527946	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.12	188	997000	20.00	ng/ul	0.00
75) Chrysene-d12	21.31	240	1136581	20.00	ng/ul	0.00
83) Perylene-d12	23.56	264	1189072	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.28	96	28339	6.00	ng/uL	0.00
5) Phenol-d5	6.92	99	535812	34.32	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.07	67	531037	57.32	ng/ul	0.00
9) 2-Chlorophenol-d4	7.27	132	413736	34.55	ng/ul	0.00
13) 4-Methylphenol-d8	8.45	113	242120	19.82	ng/ul	0.00
19) Nitrobenzene-d5	8.90	128	207561	35.98	ng/ul	0.00
22) 2-Nitrophenol-d4	9.62	143	225623	36.89	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.15	165	388271	32.29	ng/ul	0.00
29) 4-Chloroaniline-d4	10.66	131	345456	25.19	ng/ul	0.00
43) Dimethylphthalate-d6	13.79	166	1240874	34.52	ng/ul	0.00
46) Acenaphthylene-d8	14.06	160	1503548	34.75	ng/ul	0.00
51) 4-Nitrophenol-d4	14.59	143	165673	29.15	ng/ul	0.00
57) Fluorene-d10	15.37	176	1083720	34.40	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.50	200	145267	24.52	ng/ul	0.00
70) Anthracene-d10	17.22	188	1571702	34.98	ng/ul	0.00
76) Pyrene-d10	19.52	212	1716058	36.75	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.42	264	1812149	34.91	ng/ul	0.00

Target Compounds

						Qvalue
4) Benzaldehyde	6.88	77	56513	5.72	ng/ul#	10
6) Phenol	6.94	94	55632	3.47	ng/ul#	79
15) N-Nitroso-di-n-propylamine	8.49	70	118861	12.50	ng/ul#	81
16) 4-Methylphenol	8.64	108	12685	1.01	ng/ul	88
17) Hexachloroethane	8.84	117	17307	3.19	ng/ul#	2
21) Isophorone	9.45	82	391976	15.44	ng/ul#	1
23) 2-Nitrophenol	9.65	139	44027	6.89	ng/ul#	1
24) 2,4-Dimethylphenol	9.73	107	251164	17.23	ng/ul#	55
27) 2,4-Dichlorophenol	10.17	162	18250	1.54	ng/ul#	21
32) Caprolactam	11.44	113	16056	4.89	ng/ul#	1
33) 4-Chloro-3-methylphenol	11.80	107	24457	1.97	ng/ul#	23
44) Dimethylphthalate	13.83	163	1255439	35.96	ng/ul	99
71) Anthracene	17.25	178	72877	1.35	ng/ul#	91
74) Fluoranthene	19.18	202	795202	12.83	ng/ul	99
77) Pyrene	19.54	202	745775	12.70	ng/ul	99
80) Benzo(a)anthracene	21.30	228	276571	4.55	ng/ul#	94
82) Chrysene	21.34	228	229027	3.92	ng/ul#	92
85) Benzo(b)fluoranthene	22.89	252	229601	3.38	ng/ul#	86
86) Benzo(k)fluoranthene	22.89	252	229601	3.67	ng/ul#	87
88) Benzo(a)pyrene	23.47	252	161945	2.53	ng/ul#	87
89) Indeno(1,2,3-cd)pyrene	25.83	276	82950	1.08	ng/ul	97
91) Benzo(g,h,i)perylene	26.53	276	70583	1.10	ng/ul#	93

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ALS Vial : 27 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BD4M6

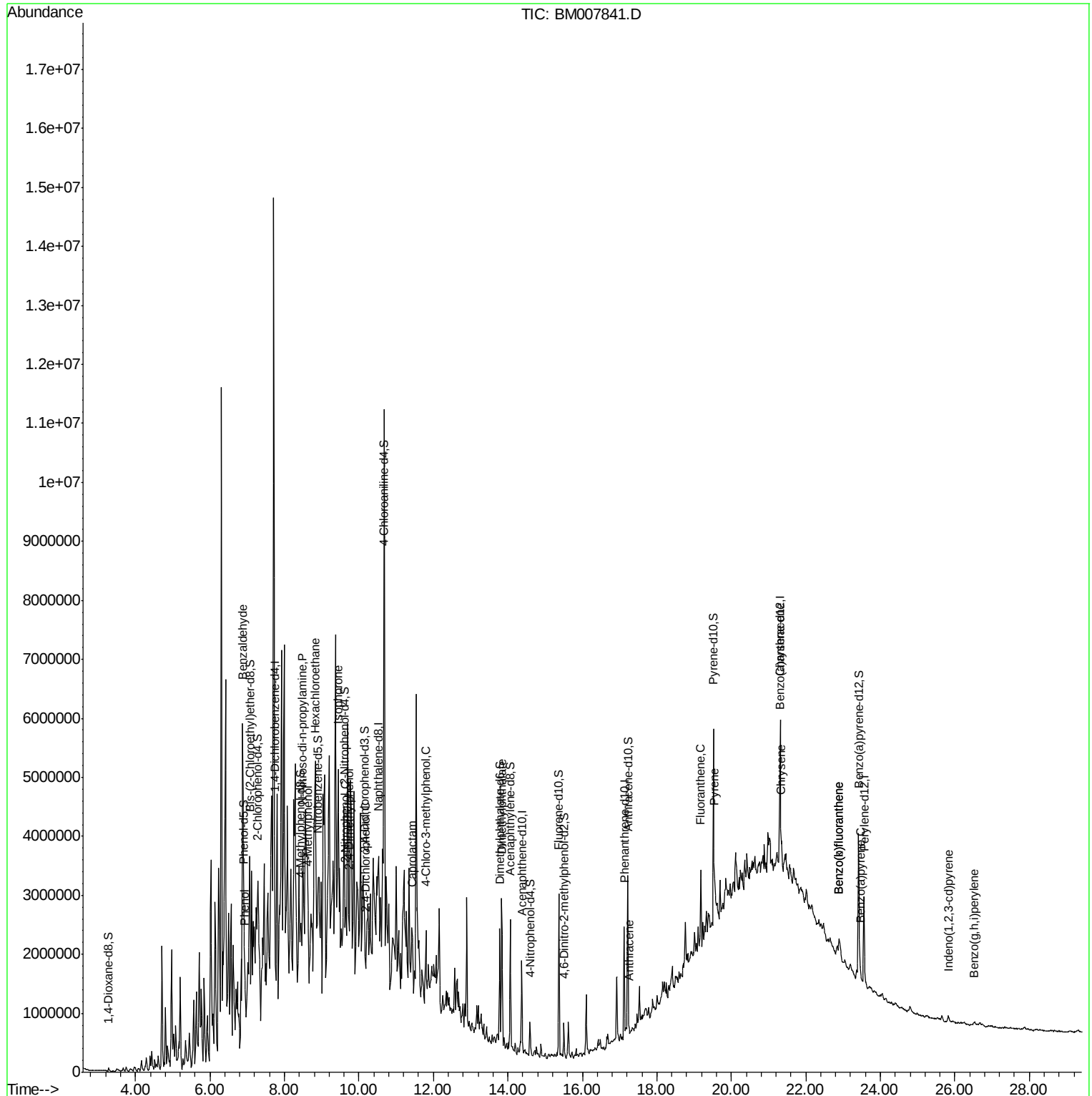
Quant Time: Nov 12 03:18:08 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM102016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Nov 12 03:12:55 2016
Response via : Initial Calibration

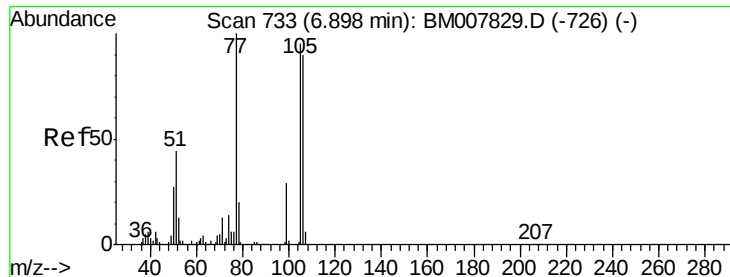
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BM007841.D  
Acq On    : 12 Nov 2016  00:16  
Operator  : UM/SJ  
Sample    : H5610-11  
Misc      :  
ALS Vial  : 27      Sample Multiplier: 1
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Quant Title : SVOA CALIBRATION
QLast Update : Sat Nov 12 03:12:55 2016
Response via : Initial Calibration





#4

Benzaldehyde

Concen: 5.72 ng/ul

RT: 6.88 min Scan# 730

Delta R.T. -0.02 min

Lab File: BM007841.D

Acq: 12 Nov 2016 00:16

Instrument :

BNA_M

ClientSampleId :

BD4M6

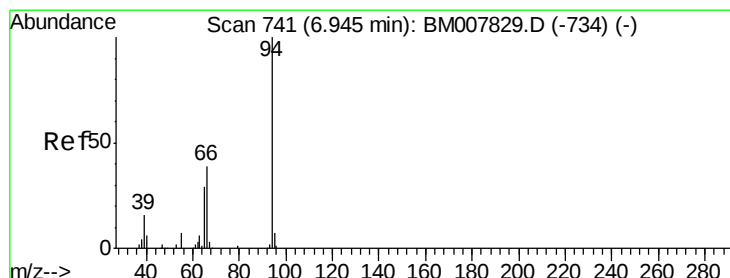
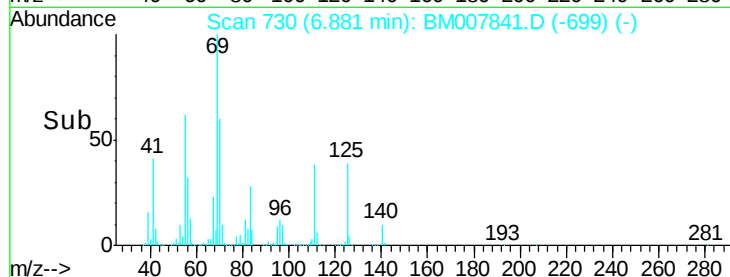
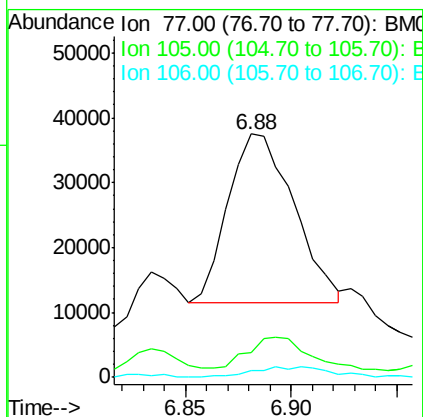
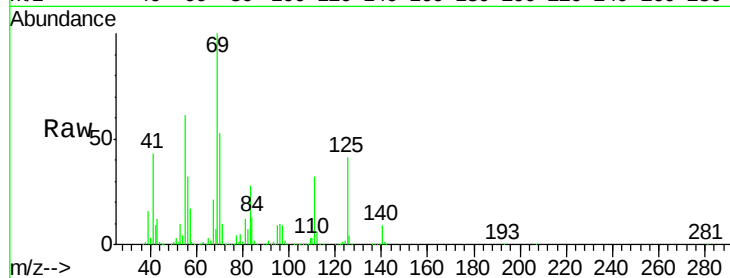
Tgt Ion: 77 Resp: 56513

Ion Ratio Lower Upper

77 100

105 10.4 76.9 115.3#

106 2.6 71.8 107.8#



#6

Phenol

Concen: 3.47 ng/ul

RT: 6.94 min Scan# 740

Delta R.T. -0.01 min

Lab File: BM007841.D

Acq: 12 Nov 2016 00:16

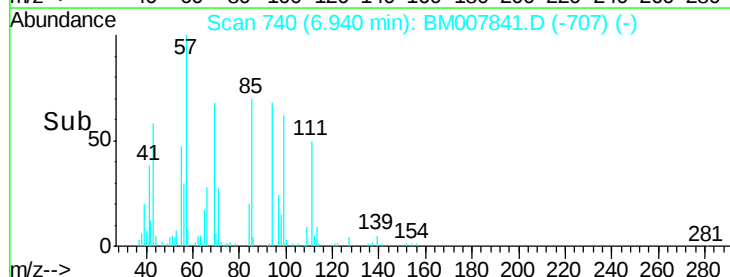
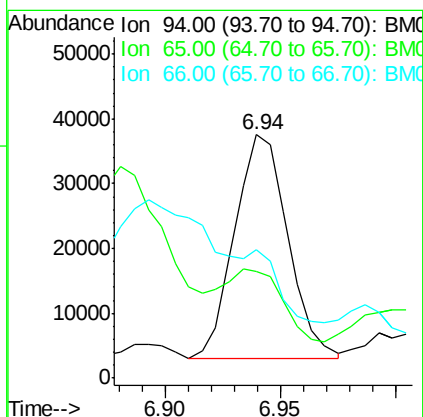
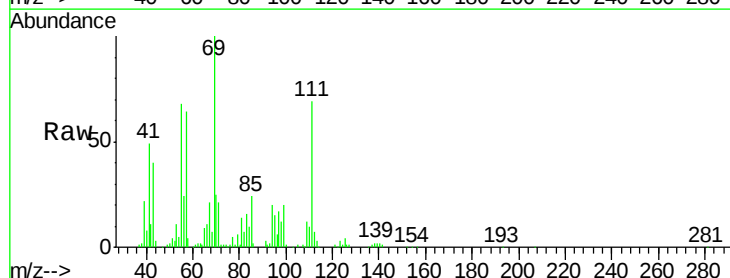
Tgt Ion: 94 Resp: 55632

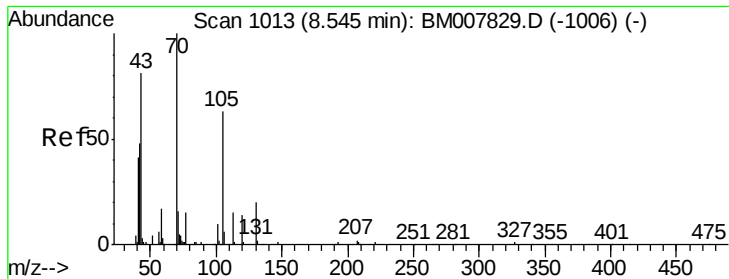
Ion Ratio Lower Upper

94 100

65 44.0 23.9 35.9#

66 52.8 33.5 50.3#

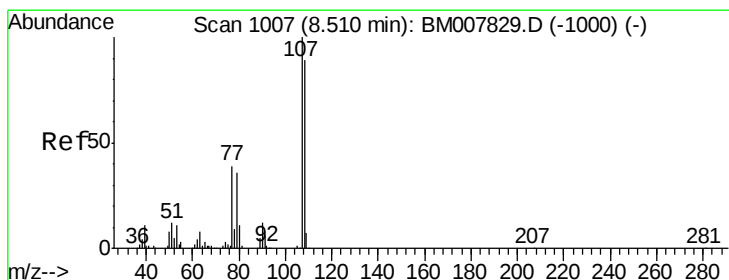
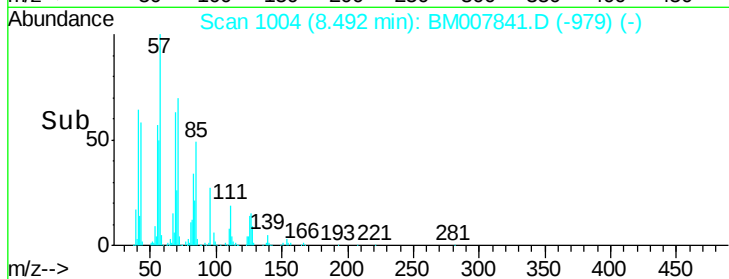
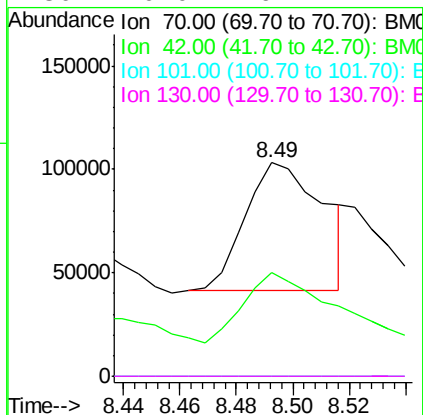
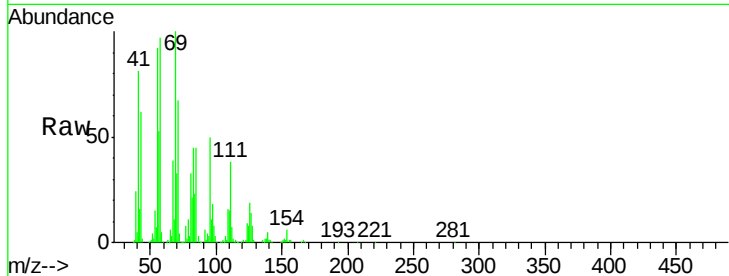




#15
N-Nitroso-di-n-propylamine
Concen: 12.50 ng/ul
RT: 8.49 min Scan# 1004
Delta R.T. -0.05 min
Lab File: BM007841.D
Acq: 12 Nov 2016 00:16

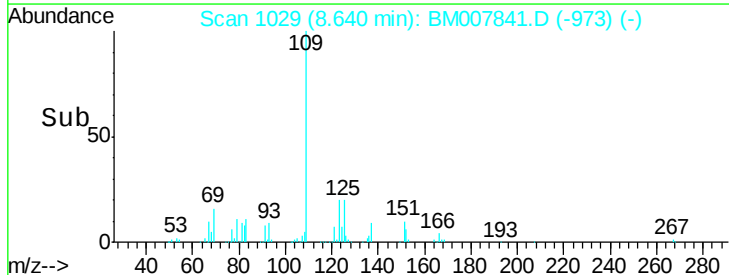
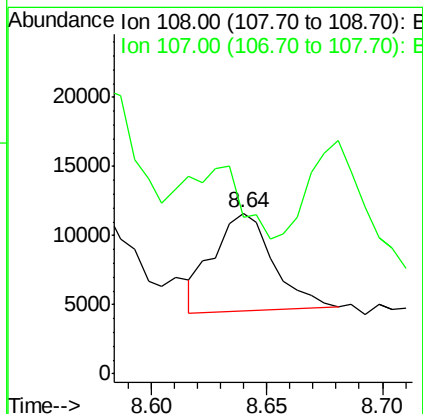
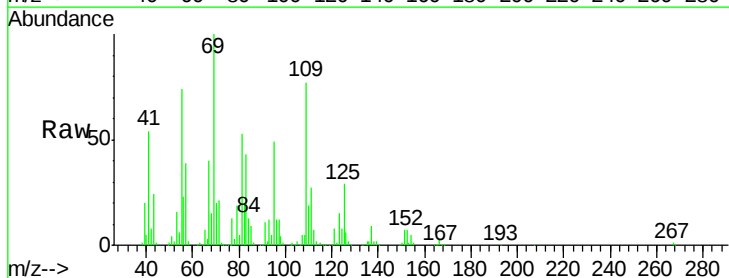
Instrument :
BNA_M
ClientSampleId :
BD4M6

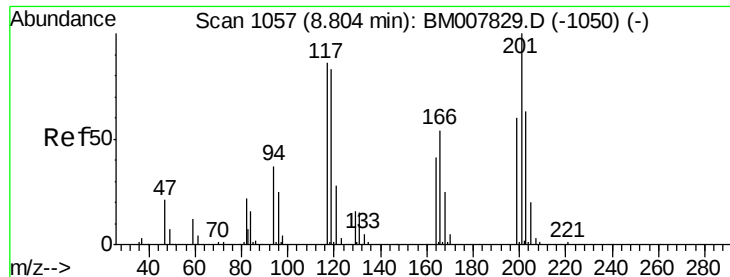
Tgt Ion: 70 Resp: 118861
Ion Ratio Lower Upper
70 100
42 48.8 43.4 65.2
101 0.0 7.8 11.6#
130 0.0 16.2 24.4#



#16
4-Methylphenol
Concen: 1.01 ng/ul
RT: 8.64 min Scan# 1029
Delta R.T. 0.13 min
Lab File: BM007841.D
Acq: 12 Nov 2016 00:16

Tgt Ion: 108 Resp: 12685
Ion Ratio Lower Upper
108 100
107 97.2 87.8 131.8





#17

Hexachloroethane

Concen: 3.19 ng/ul

RT: 8.84 min Scan# 1063

Delta R.T. 0.04 min

Lab File: BM007841.D

Acq: 12 Nov 2016 00:16

Instrument :

BNA_M

ClientSampleId :

BD4M6

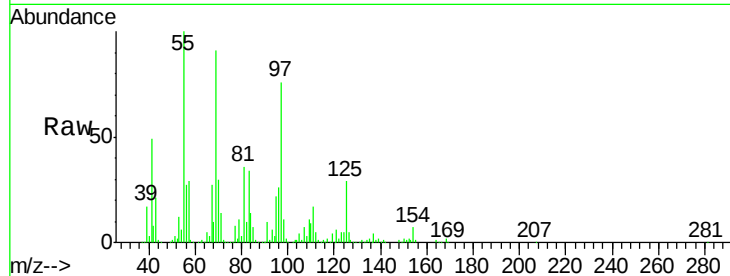
Tgt Ion: 117 Resp: 17307

Ion Ratio Lower Upper

117 100

201 0.0 90.3 135.5#

199 0.0 58.5 87.7#

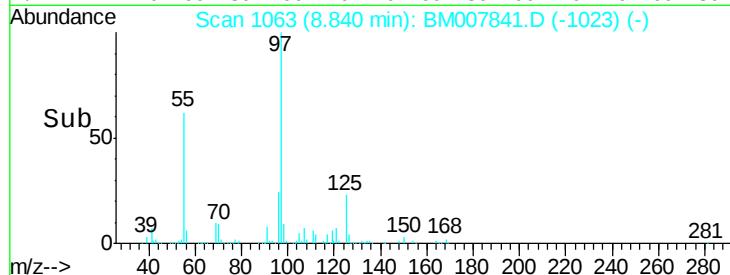


Abundance Ion 117.00 (116.70 to 117.70): E

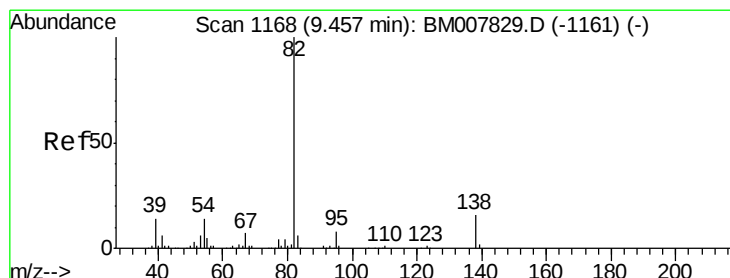
Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E

Time-->



Time-->



#21

Isophorone

Concen: 15.44 ng/ul

RT: 9.45 min Scan# 1166

Delta R.T. -0.01 min

Lab File: BM007841.D

Acq: 12 Nov 2016 00:16

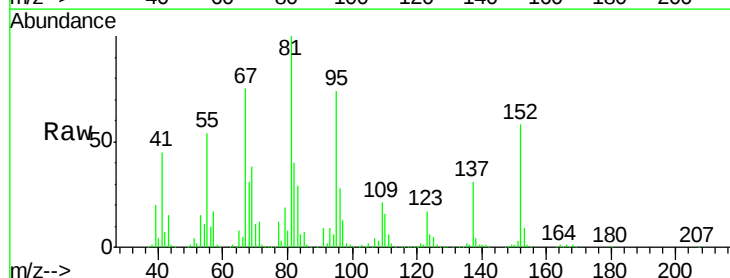
Tgt Ion: 82 Resp: 391976

Ion Ratio Lower Upper

82 100

95 187.1 6.9 10.3#

138 10.4 13.8 20.8#

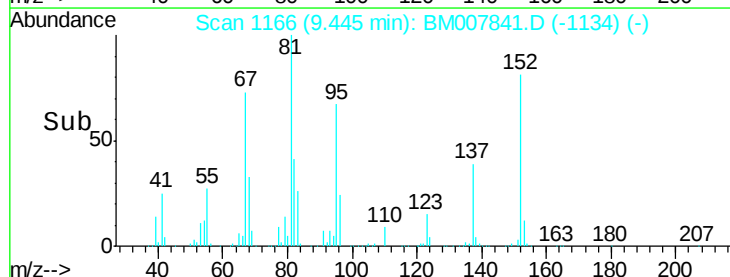


Abundance Ion 82.00 (81.70 to 82.70): BM0

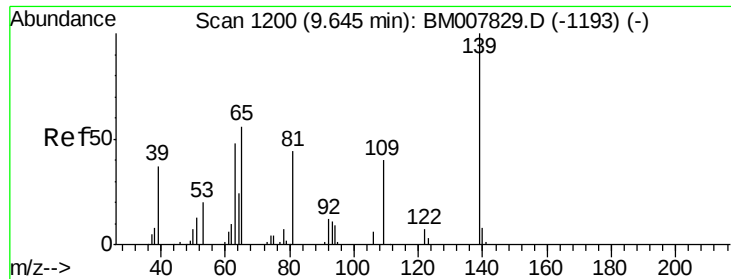
Ion 95.00 (94.70 to 95.70): BM0

Ion 138.00 (137.70 to 138.70): E

Time-->



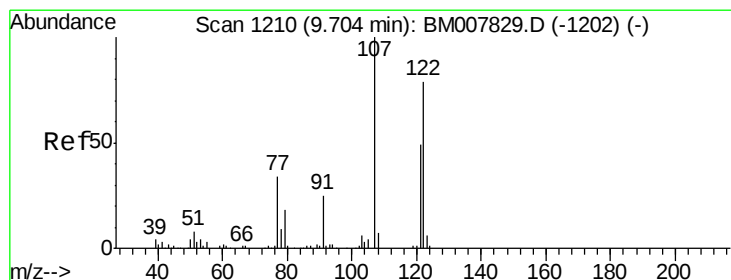
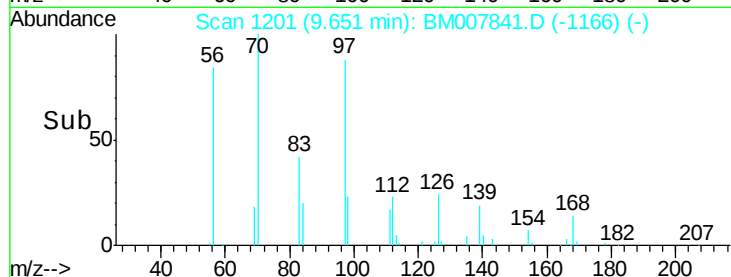
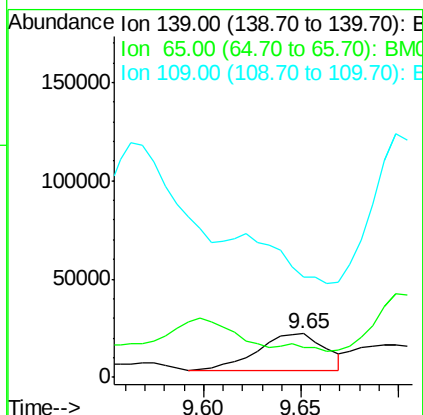
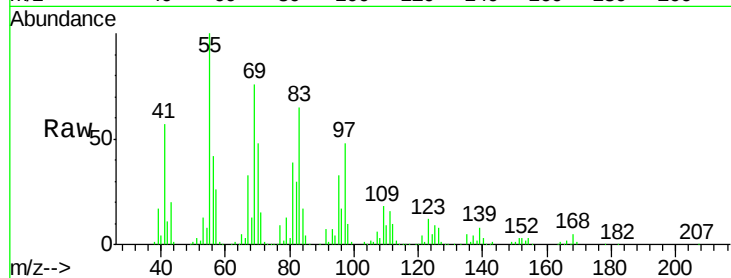
Time-->



#23
2-Nitrophenol
Concen: 6.89 ng/ul
RT: 9.65 min Scan# 1201
Delta R.T. 0.01 min
Lab File: BM007841.D
Acq: 12 Nov 2016 00:16

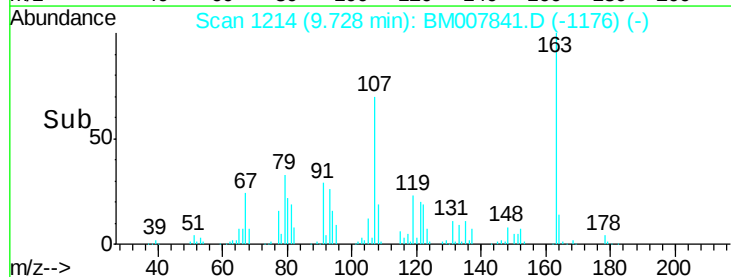
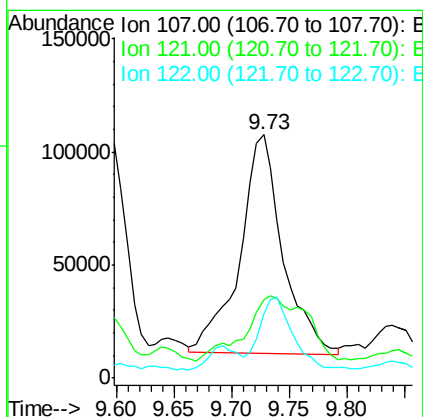
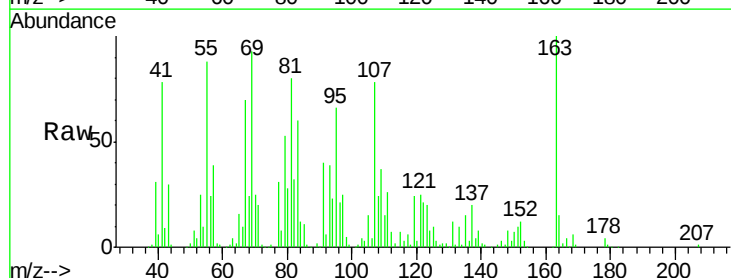
Instrument :
BNA_M
ClientSampleId :
BD4M6

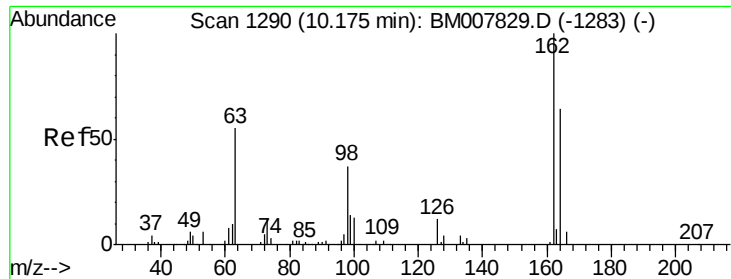
Tgt Ion:139 Resp: 44027
Ion Ratio Lower Upper
139 100
65 68.2 44.2 66.4#
109 230.6 28.2 42.4#



#24
2,4-Dimethylphenol
Concen: 17.23 ng/ul
RT: 9.73 min Scan# 1214
Delta R.T. 0.02 min
Lab File: BM007841.D
Acq: 12 Nov 2016 00:16

Tgt Ion:107 Resp: 251164
Ion Ratio Lower Upper
107 100
121 32.2 37.1 55.7#
122 26.4 62.8 94.2#

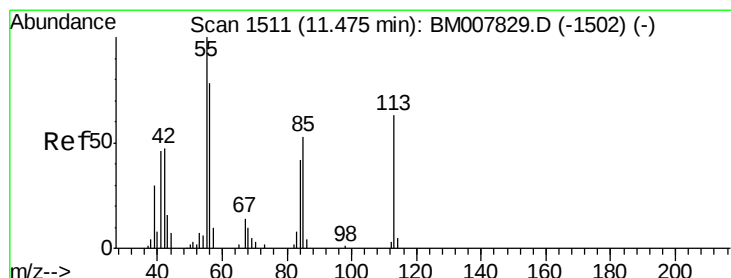
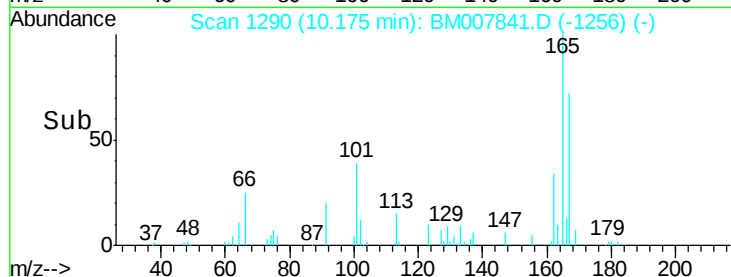
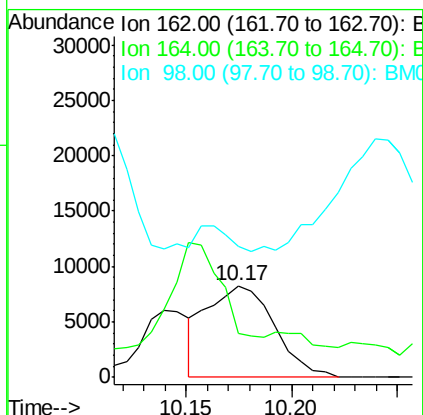
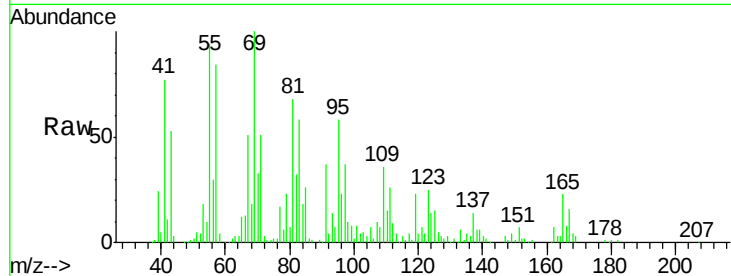




#27
2,4-Dichlorophenol
Concen: 1.54 ng/ul
RT: 10.17 min Scan# 1290
Delta R.T. 0.00 min
Lab File: BM007841.D
Acq: 12 Nov 2016 00:16

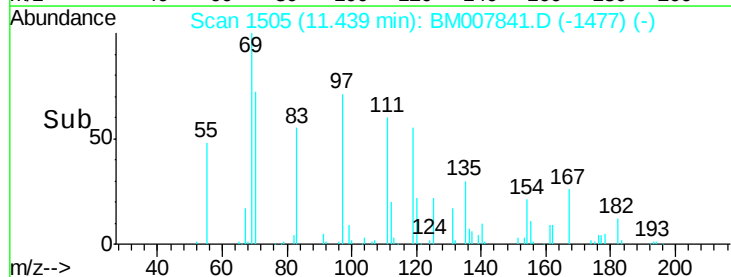
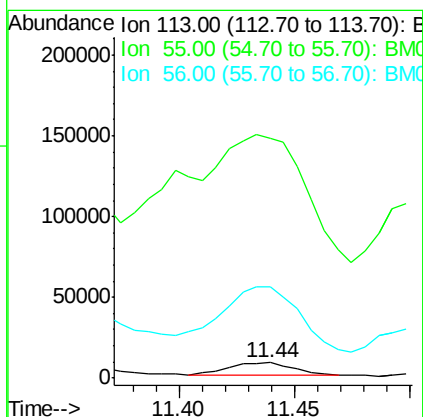
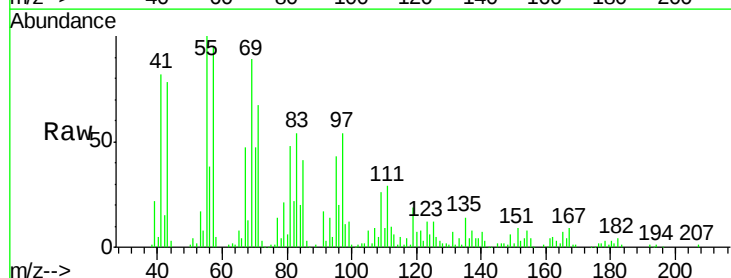
Instrument :
BNA_M
ClientSampled :
BD4M6

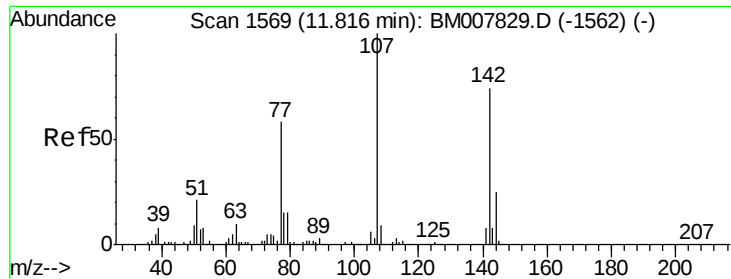
Tgt Ion:162 Resp: 18250
Ion Ratio Lower Upper
162 100
164 48.4 51.6 77.4#
98 143.4 28.4 42.6#



#32
Caprolactam
Concen: 4.89 ng/ul
RT: 11.44 min Scan# 1505
Delta R.T. -0.04 min
Lab File: BM007841.D
Acq: 12 Nov 2016 00:16

Tgt Ion:113 Resp: 16056
Ion Ratio Lower Upper
113 100
55 1541.3 121.9 182.9#
56 582.9 97.4 146.0#

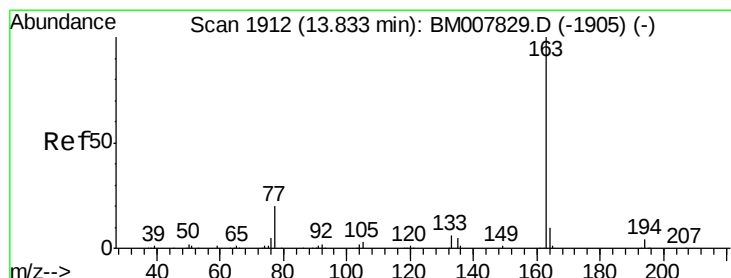
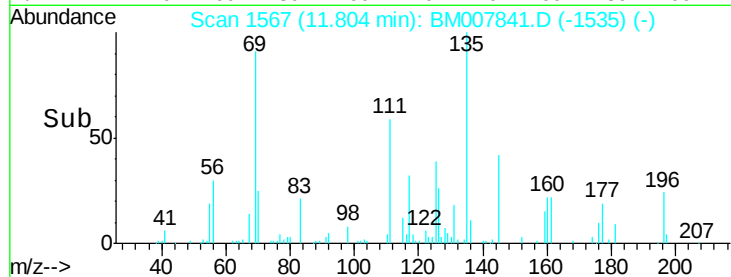
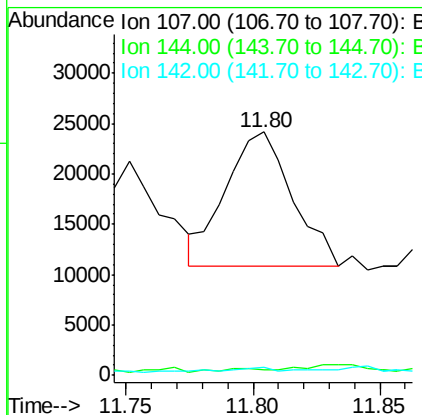
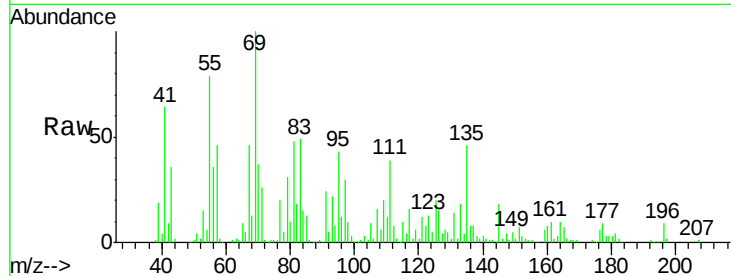




#33
 4-Chloro-3-methylphenol
 Concen: 1.97 ng/ul
 RT: 11.80 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: BM007841.D
 Acq: 12 Nov 2016 00:16

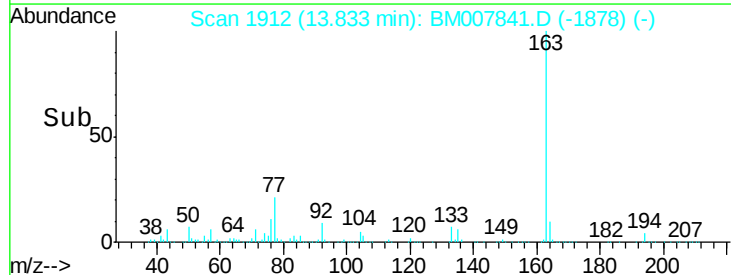
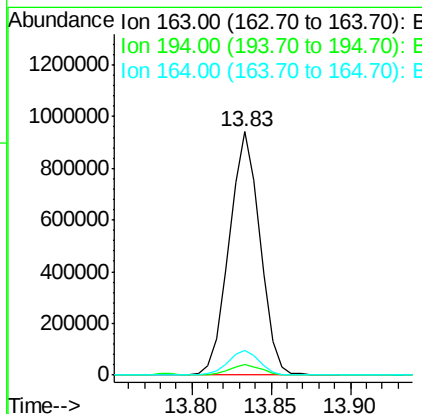
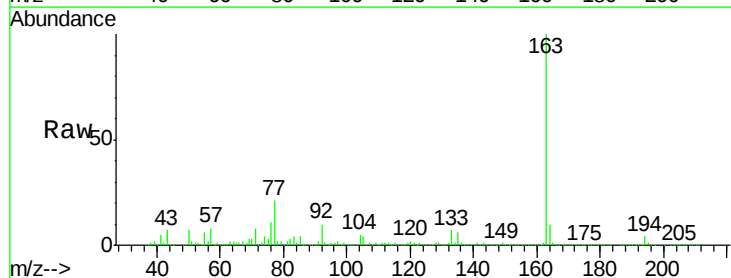
Instrument :
 BNA_M
 ClientSampleId :
 BD4M6

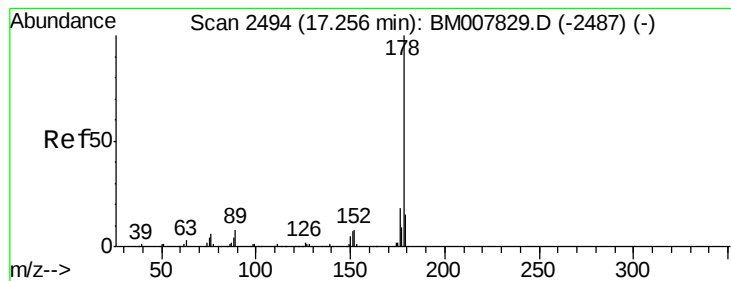
Tgt Ion:107 Resp: 24457
 Ion Ratio Lower Upper
 107 100
 144 2.2 21.1 31.7#
 142 3.3 64.1 96.1#



#44
 Dimethylphthalate
 Concen: 35.96 ng/ul
 RT: 13.83 min Scan# 1912
 Delta R.T. 0.00 min
 Lab File: BM007841.D
 Acq: 12 Nov 2016 00:16

Tgt Ion:163 Resp: 1255439
 Ion Ratio Lower Upper
 163 100
 194 4.2 3.4 5.2
 164 10.3 7.8 11.8





#71

Anthracene

Concen: 1.35 ng/ul

RT: 17.25 min Scan# 2493

Delta R.T. -0.01 min

Lab File: BM007841.D

Acq: 12 Nov 2016 00:16

Instrument :

BNA_M

ClientSampleId :

BD4M6

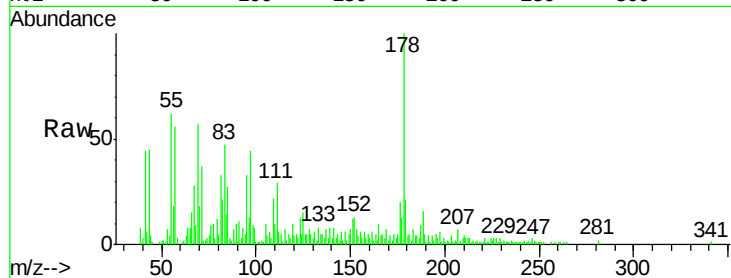
Tgt Ion:178 Resp: 72877

Ion Ratio Lower Upper

178 100

179 20.7 12.1 18.1#

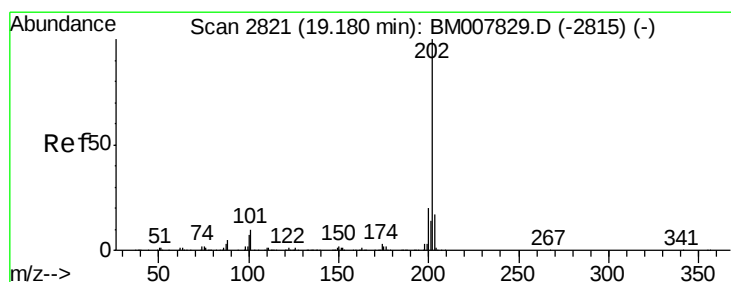
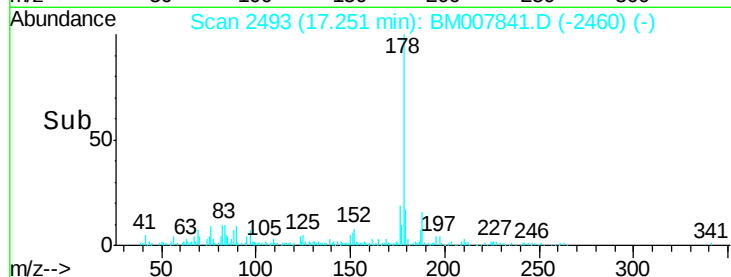
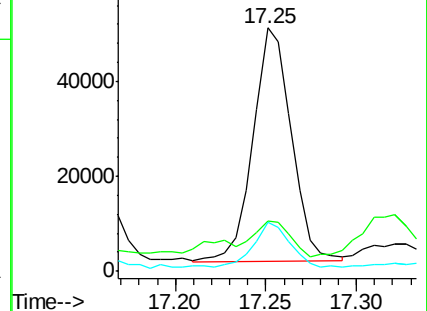
176 20.1 14.5 21.7



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: 12.83 ng/ul

RT: 19.18 min Scan# 2821

Delta R.T. 0.00 min

Lab File: BM007841.D

Acq: 12 Nov 2016 00:16

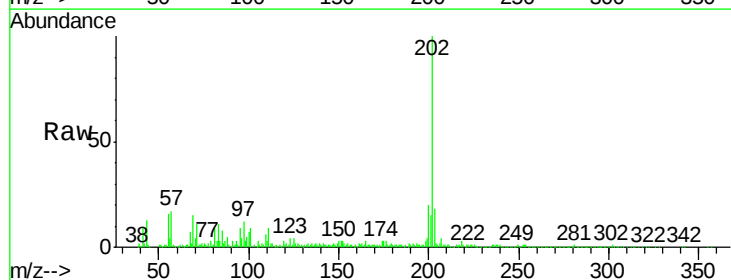
Tgt Ion:202 Resp: 795202

Ion Ratio Lower Upper

202 100

101 9.3 6.9 10.3

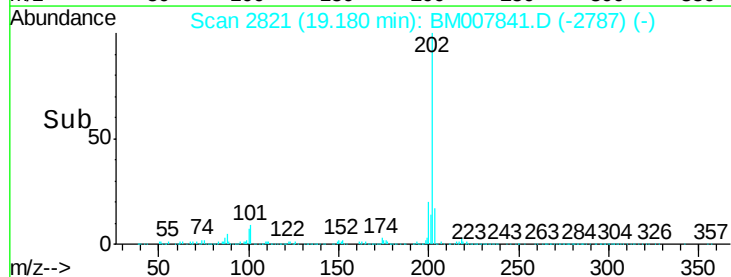
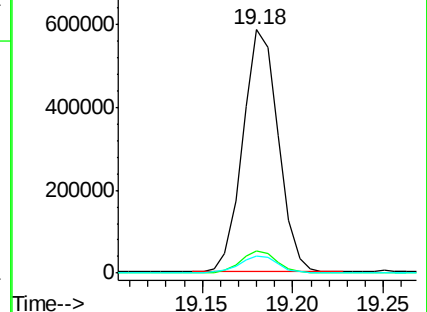
100 7.0 5.4 8.0

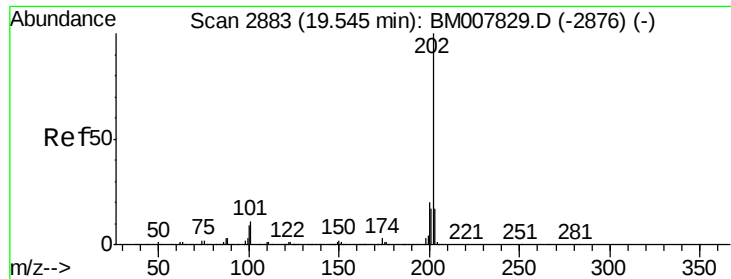


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pyrene

Concen: 12.70 ng/ul

RT: 19.54 min Scan# 2883

Delta R.T. 0.00 min

Lab File: BM007841.D

Acq: 12 Nov 2016 00:16

Instrument :

BNA_M

ClientSampleId :

BD4M6

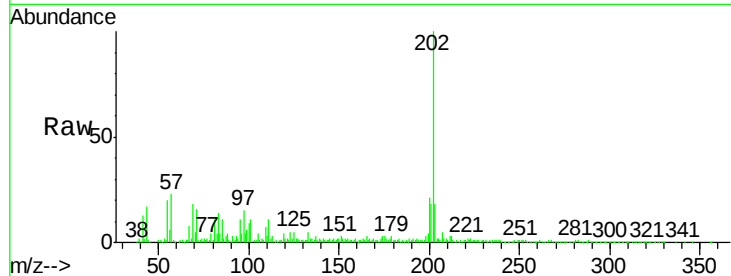
Tgt Ion:202 Resp: 745775

Ion Ratio Lower Upper

202 100

101 10.9 8.4 12.6

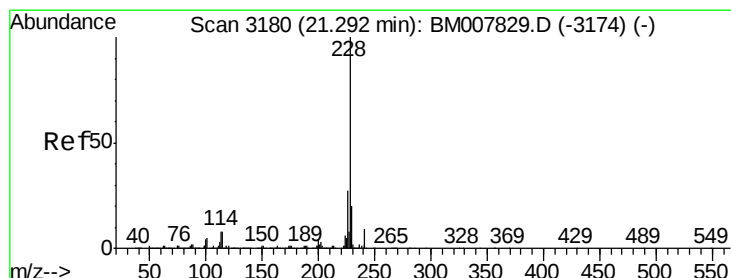
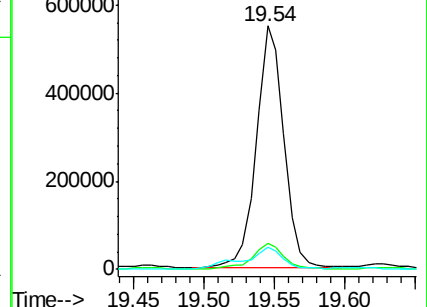
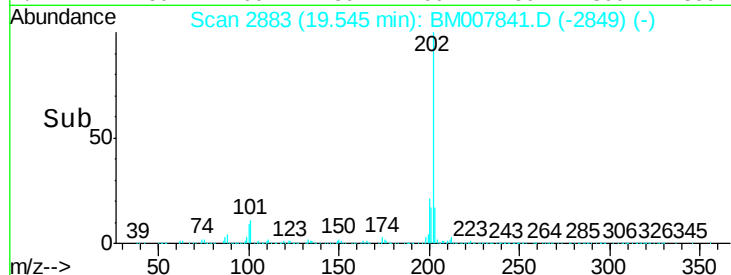
100 8.9 6.9 10.3



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: 4.55 ng/ul

RT: 21.30 min Scan# 3181

Delta R.T. 0.01 min

Lab File: BM007841.D

Acq: 12 Nov 2016 00:16

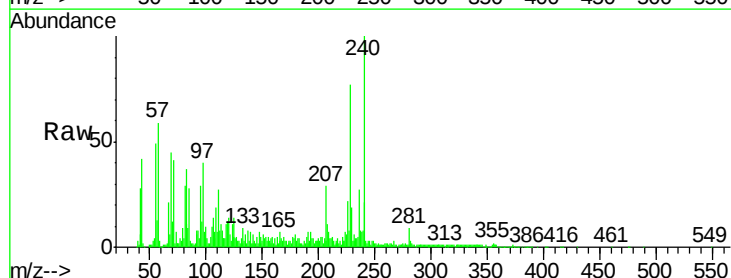
Tgt Ion:228 Resp: 276571

Ion Ratio Lower Upper

228 100

229 24.2 15.6 23.4#

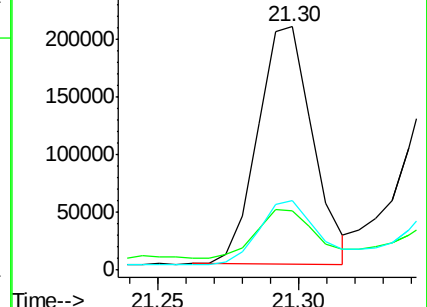
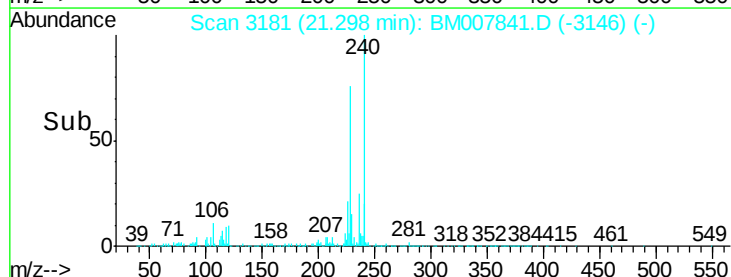
226 28.7 21.8 32.8

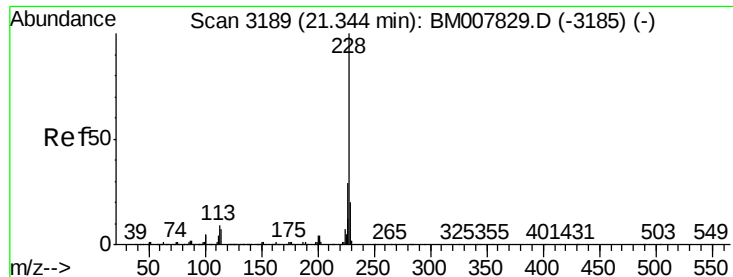


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 3.92 ng/ul

RT: 21.34 min Scan# 3189

Delta R.T. 0.00 min

Lab File: BM007841.D

Acq: 12 Nov 2016 00:16

Instrument :

BNA_M

ClientSampleId :

BD4M6

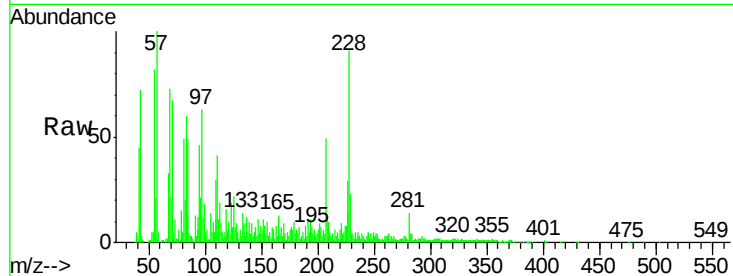
Tgt Ion:228 Resp: 229027

Ion Ratio Lower Upper

228 100

226 32.0 23.4 35.2

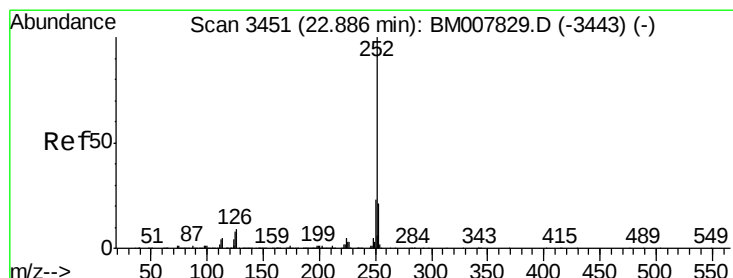
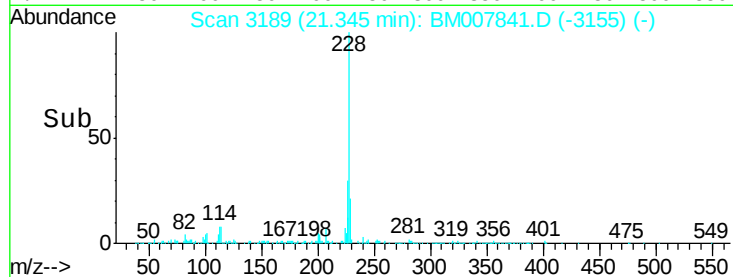
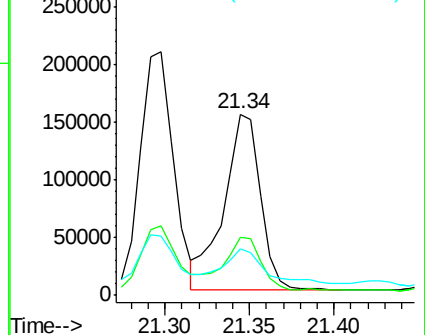
229 25.4 15.5 23.3#



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: 3.38 ng/ul

RT: 22.89 min Scan# 3452

Delta R.T. 0.01 min

Lab File: BM007841.D

Acq: 12 Nov 2016 00:16

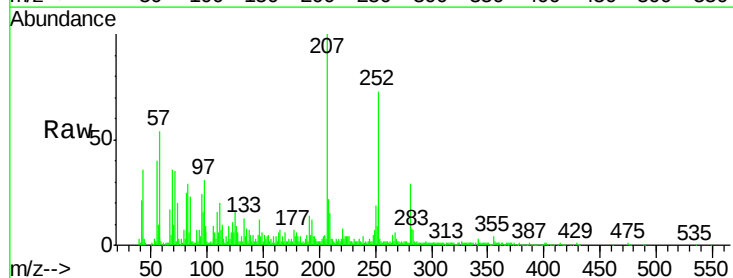
Tgt Ion:252 Resp: 229601

Ion Ratio Lower Upper

252 100

253 23.9 17.1 25.7

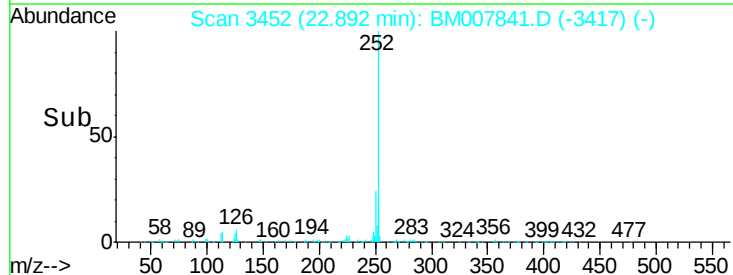
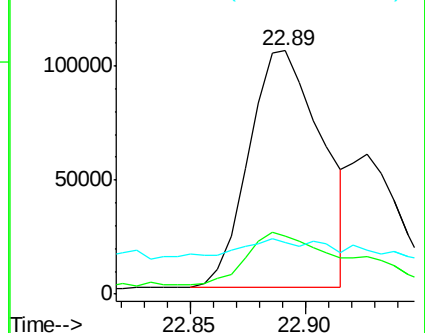
125 21.4 5.8 8.8#

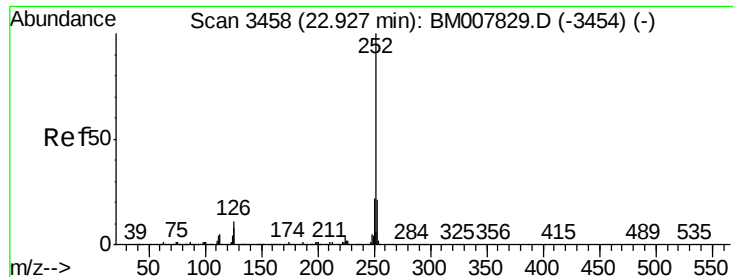


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 3.67 ng/ul

RT: 22.89 min Scan# 3452

Delta R.T. -0.04 min

Lab File: BM007841.D

Acq: 12 Nov 2016 00:16

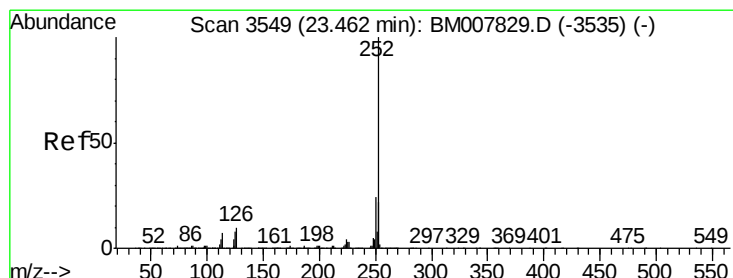
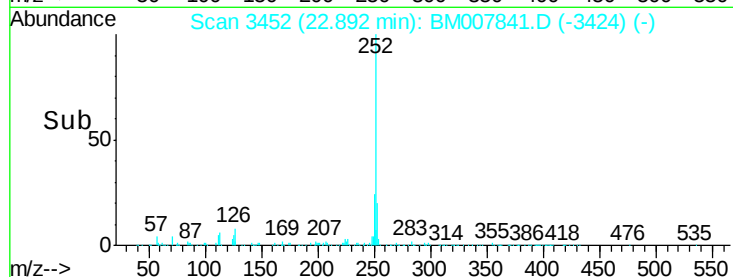
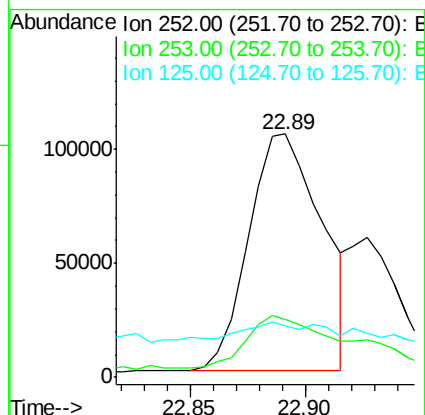
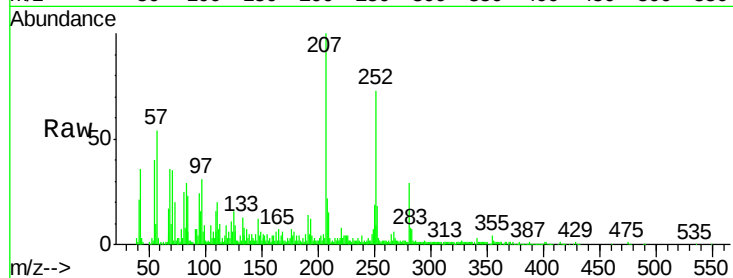
Instrument :

BNA_M

ClientSampleId :

BD4M6

Tgt Ion:	252	Resp:	229601
Ion Ratio	Lower	Upper	
252	100		
253	23.9	17.6	26.4
125	21.4	5.7	8.5#



#88

Benzo(a)pyrene

Concen: 2.53 ng/ul

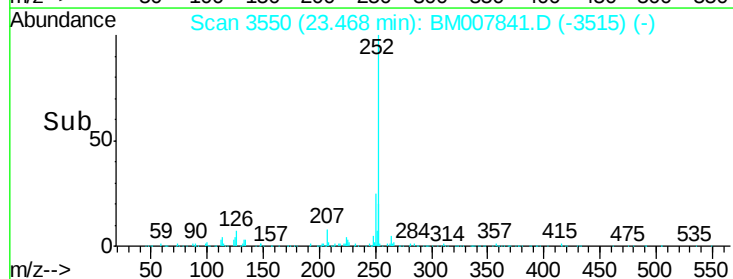
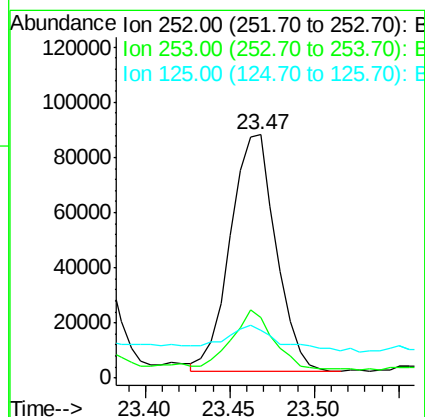
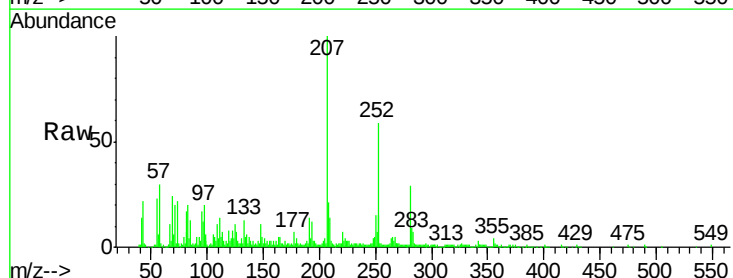
RT: 23.47 min Scan# 3550

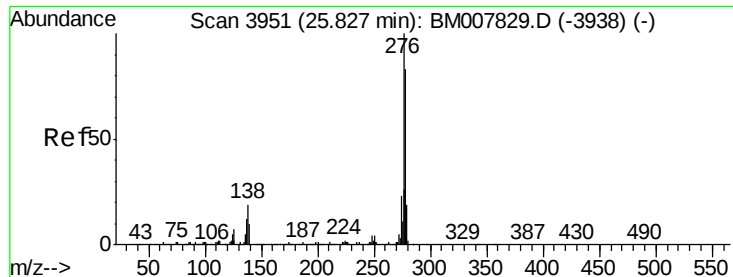
Delta R.T. 0.01 min

Lab File: BM007841.D

Acq: 12 Nov 2016 00:16

Tgt Ion:	252	Resp:	161945
Ion Ratio	Lower	Upper	
252	100		
253	25.0	17.7	26.5
125	19.4	6.6	9.8#





#89

Indeno(1,2,3-cd)pyrene

Concen: 1.08 ng/ul

RT: 25.83 min Scan# 3951

Delta R.T. 0.00 min

Lab File: BM007841.D

Acq: 12 Nov 2016 00:16

Instrument :

BNA_M

ClientSampleId :

BD4M6

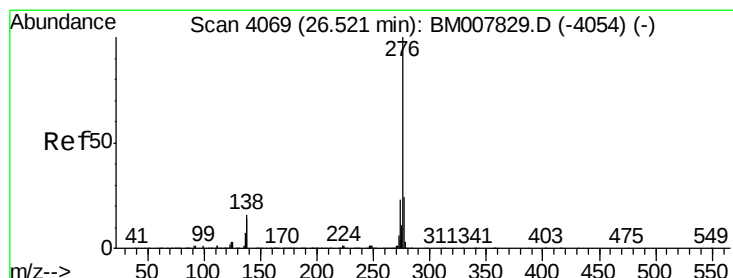
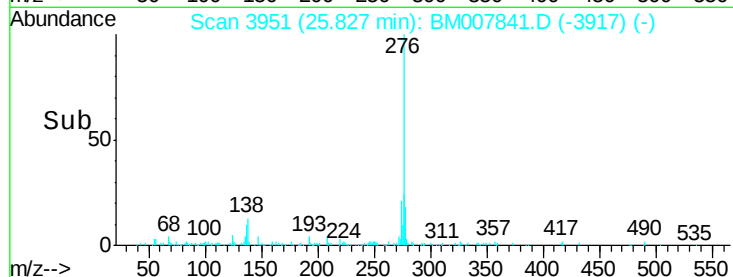
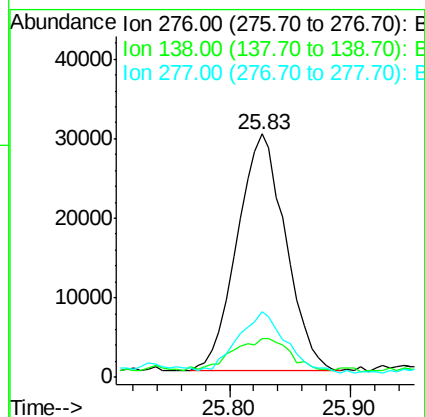
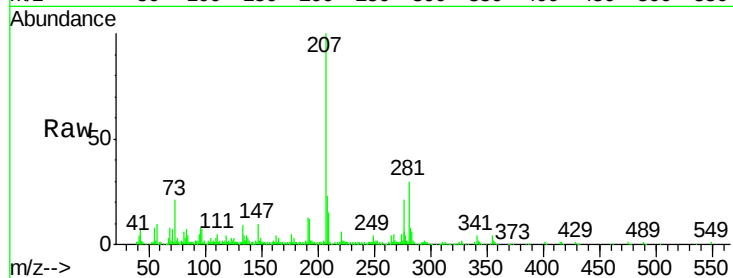
Tgt Ion:276 Resp: 82950

Ion Ratio Lower Upper

276 100

138 16.1 13.9 20.9

277 26.7 20.1 30.1



#91

Benzo(g,h,i)perylene

Concen: 1.10 ng/ul

RT: 26.53 min Scan# 4070

Delta R.T. 0.01 min

Lab File: BM007841.D

Acq: 12 Nov 2016 00:16

Tgt Ion:276 Resp: 70583

Ion Ratio Lower Upper

276 100

138 17.3 13.5 20.3

277 30.0 19.3 28.9#

