

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110517\
 Data File : BM012760.D
 Acq On : 06 Nov 2017 03:59
 Operator : SJ/JU
 Sample : I5825-11
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DUP-5

Quant Time: Nov 06 07:23:50 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM110417MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Nov 06 07:19:57 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	138952	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	581522	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	367542	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.20	188	755393	20.00	ng/ul	0.00
77) Chrysene-d12	21.38	240	631787	20.00	ng/ul	0.00
85) Perylene-d12	23.67	264	693647	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.30	96	9383	3.65	ng/uL	0.00
5) Phenol-d5	6.99	99	266346	25.76	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	158691	28.32	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	238713	27.72	ng/ul	0.00
13) 4-Methylphenol-d8	8.52	113	171007	19.16	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	127106	29.59	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	133084	27.07	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.23	165	263516	26.15	ng/ul	0.00
29) 4-Chloroaniline-d4	10.75	131	85785	8.82	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	851295	27.99	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	1100385	29.25	ng/ul	0.00
51) 4-Nitrophenol-d4	14.67	143	55656	11.42	ng/ul	0.00
57) Fluorene-d10	15.44	176	781887	30.01	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.58	200	23294	4.67	ng/ul	0.00
70) Anthracene-d10	17.30	188	1104466	30.26	ng/ul	0.00
78) Pyrene-d10	19.59	212	980318	33.44	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.53	264	997402	30.41	ng/ul	0.02

Target Compounds

					Ovalue
4) Benzaldehyde	6.96	77	6764	1.23	ng/ul 86
6) Phenol	7.02	94	45091	4.25	ng/ul 95
44) Dimethylphthalate	13.90	163	488745	16.19	ng/ul 100
47) Acenaphthylene	14.17	152	171866	4.71	ng/ul 98
49) Acenaphthene	14.52	153	47402	1.91	ng/ul 99
53) Dibenzofuran	14.85	168	39978	1.10	ng/ul 97
56) Diethylphthalate	15.27	149	53502	1.83	ng/ul 99
58) Fluorene	15.50	166	68006	2.26	ng/ul 98
69) Phenanthrene	17.24	178	943396	22.85	ng/ul 99
71) Anthracene	17.33	178	324664	7.58	ng/ul 99
74) Carbazole	17.60	167	91744	2.57	ng/ul 96
75) Di-n-butylphthalate	18.16	149	205824	4.92	ng/ul 98
76) Fluoranthene	19.26	202	2008778	40.49	ng/ul# 93
82) Benzo(a)anthracene	21.36	228	1021300	26.71	ng/ul 96
83) Bis(2-ethylhexyl)phthalate	21.29	149	64293	3.21	ng/ul# 87
84) Chrysene	21.42	228	912713	26.34	ng/ul 98
87) Benzo(b)fluoranthene	22.99	252	1476775	34.84	ng/ul 95
88) Benzo(k)fluoranthene	22.99	252	1476775	36.65	ng/ul 95
90) Benzo(a)pyrene	23.57	252	1005090	24.92	ng/ul 95
91) Indeno(1,2,3-cd)pyrene	26.00	276	787374	16.20	ng/ul# 87
92) Dibenzo(a,h)anthracene	26.00	278	210774	5.12	ng/ul# 88
93) Benzo(a,h,i)perylene	26.72	276	668767	16.70	ng/ul# 88

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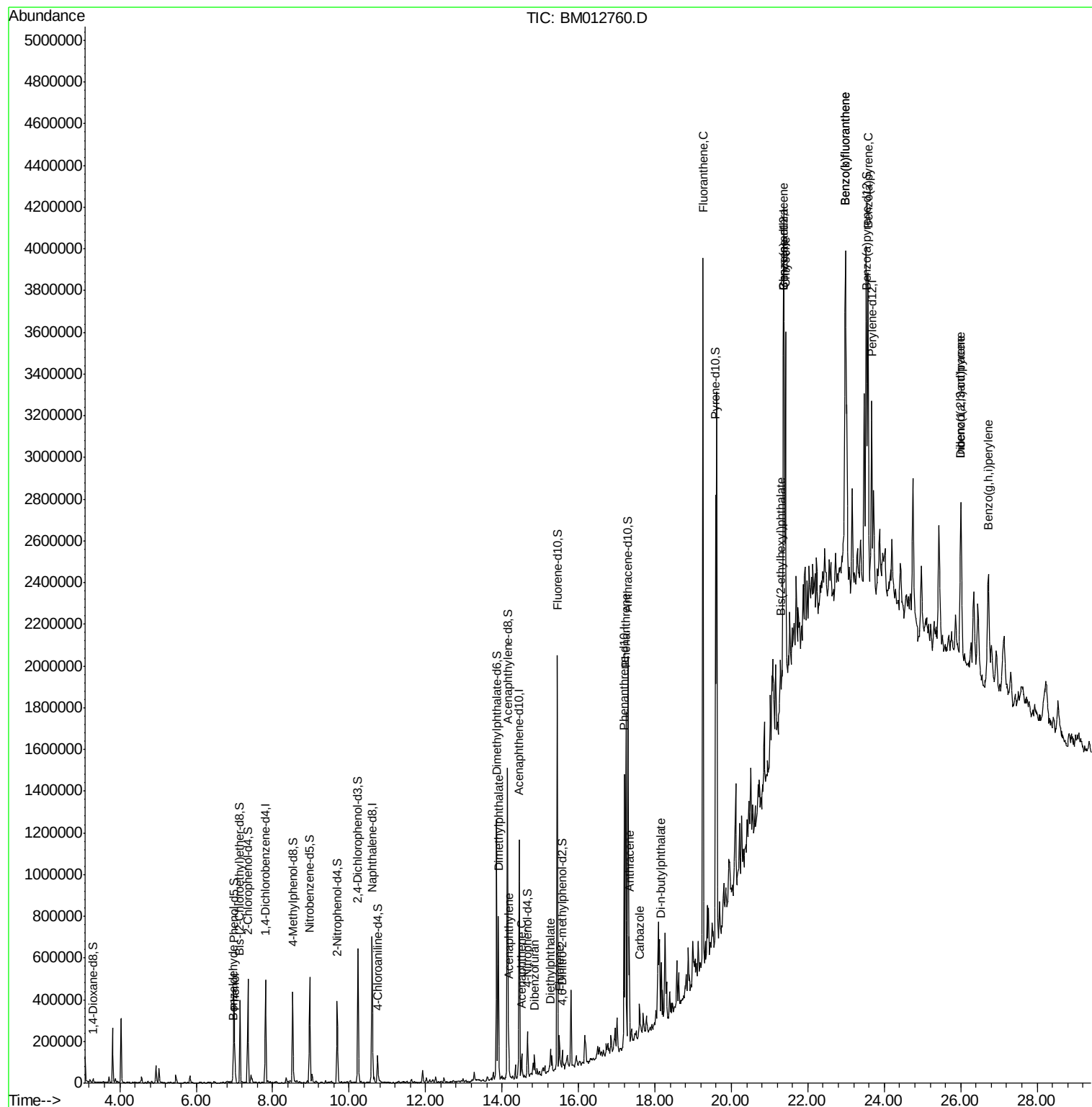
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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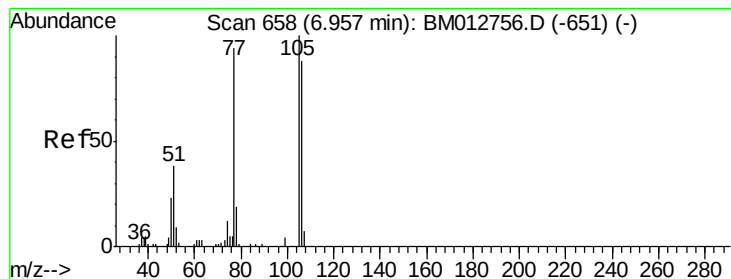
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 1.23 ng/ul

RT: 6.96 min Scan# 659

Delta R.T. 0.01 min

Lab File: BM012760.D

Acq: 06 Nov 2017 03:59

Instrument :

BNA_M

ClientSampleID :

DUP-5

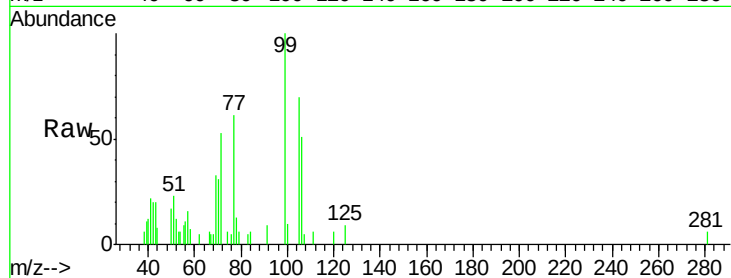
Tot Ion: 77 Resp: 6764

Ion Ratio Lower Upper

77 100

105 114.5 80.6 120.8

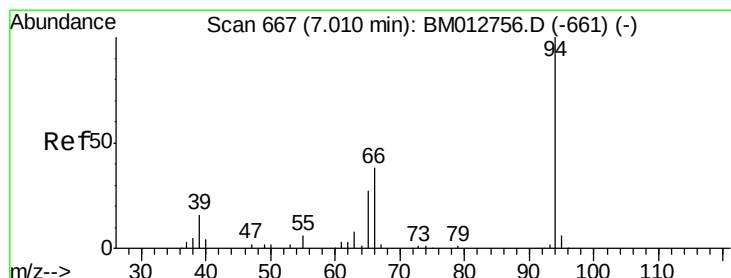
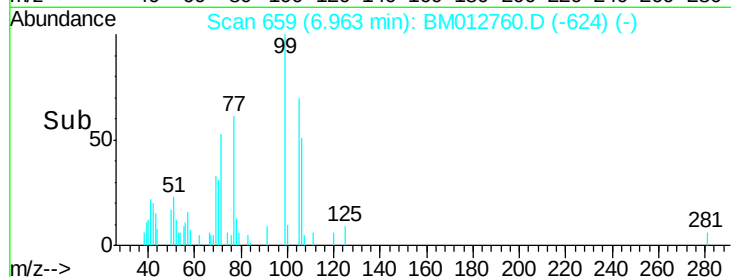
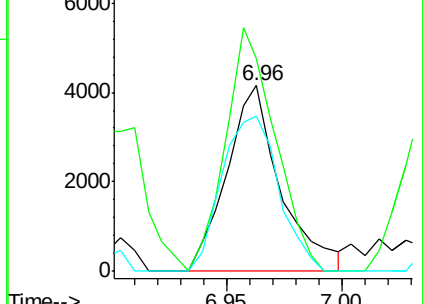
106 83.5 77.7 116.5



Abundance Ion 77.00 (76.70 to 77.70): BM012760.D (-651) (-)

Ion 105.00 (104.70 to 105.70): BM012760.D (-651) (-)

Ion 106.00 (105.70 to 106.70): BM012760.D (-651) (-)



#6

Phenol

Concen: 4.25 ng/ul

RT: 7.02 min Scan# 668

Delta R.T. 0.01 min

Lab File: BM012760.D

Acq: 06 Nov 2017 03:59

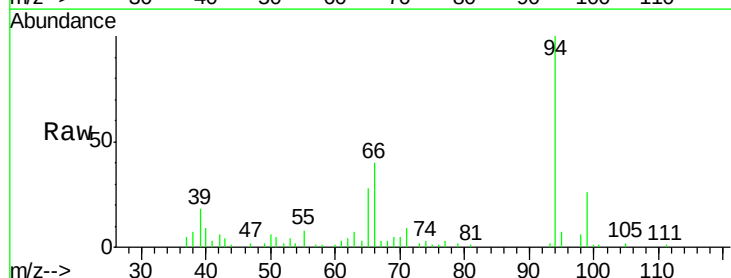
Tgt Ion: 94 Resp: 45091

Ion Ratio Lower Upper

94 100

65 27.7 21.0 31.6

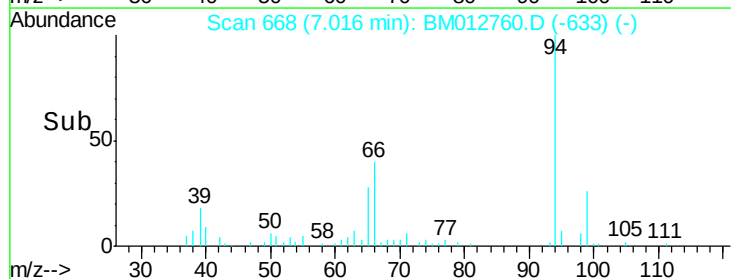
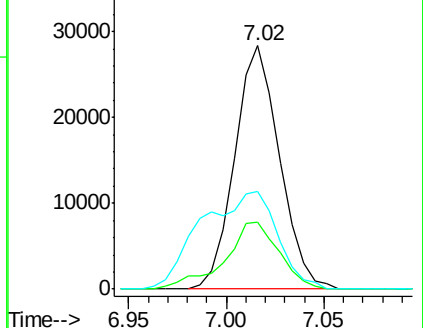
66 40.1 29.3 43.9

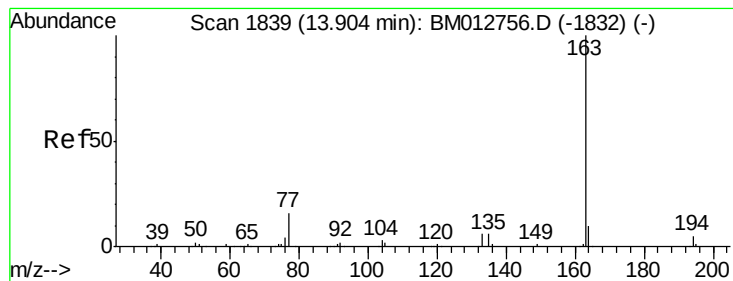


Abundance Ion 94.00 (93.70 to 94.70): BM012760.D (-661) (-)

Ion 65.00 (64.70 to 65.70): BM012760.D (-661) (-)

Ion 66.00 (65.70 to 66.70): BM012760.D (-661) (-)





#44

Dimethylphthalate

Concen: 16.19 ng/ul

RT: 13.90 min Scan# 1839

Delta R.T. 0.00 min

Lab File: BM012760.D

Acq: 06 Nov 2017 03:59

Instrument :

BNA_M

ClientSampleId :

DUP-5

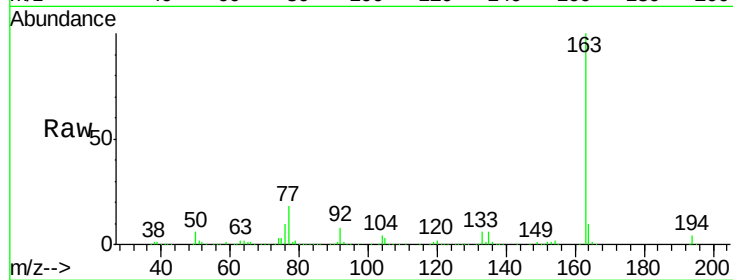
Tot Ion:163 Resp: 488745

Ion Ratio Lower Upper

163 100

194 4.4 3.2 4.8

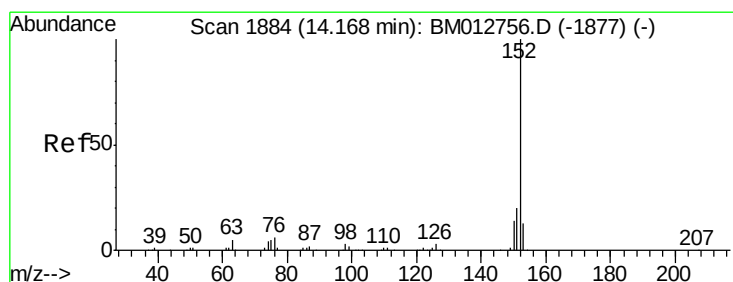
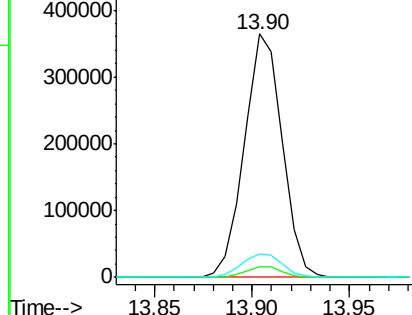
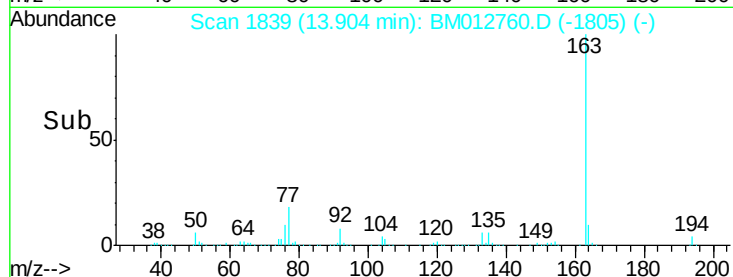
164 9.9 7.8 11.8



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



#47

Acenaphthylene

Concen: 4.71 ng/ul

RT: 14.17 min Scan# 1885

Delta R.T. 0.01 min

Lab File: BM012760.D

Acq: 06 Nov 2017 03:59

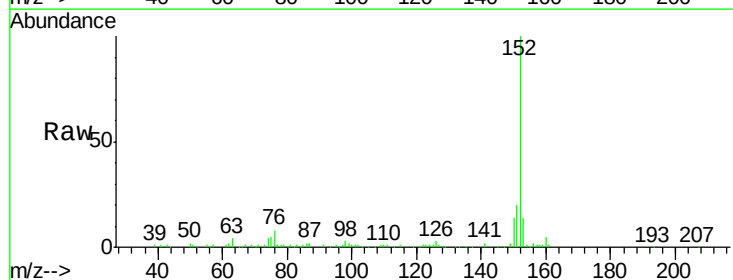
Tgt Ion:152 Resp: 171866

Ion Ratio Lower Upper

152 100

151 20.0 15.7 23.5

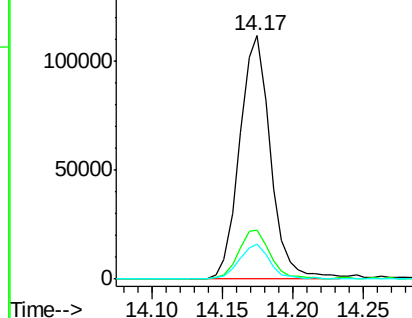
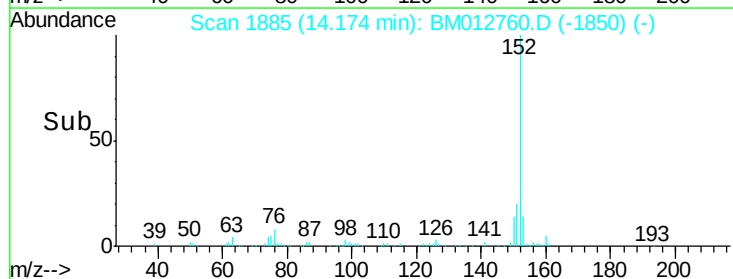
153 14.2 10.5 15.7

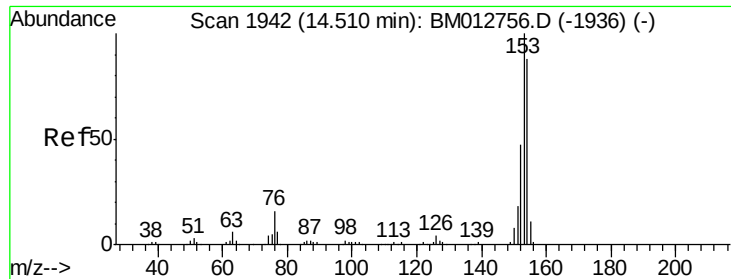


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 1.91 ng/ul

RT: 14.52 min Scan# 1943

Delta R.T. 0.01 min

Lab File: BM012760.D

Acq: 06 Nov 2017 03:59

Instrument :

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DUP-5

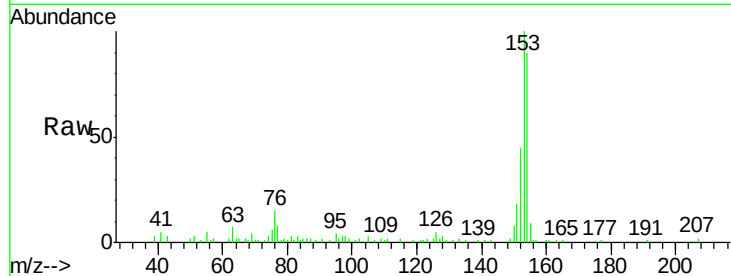
Tot Ion:153 Resp: 47402

Ion Ratio Lower Upper

153 100

152 45.4 38.3 57.5

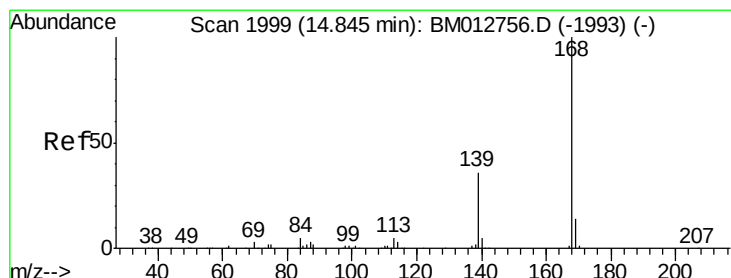
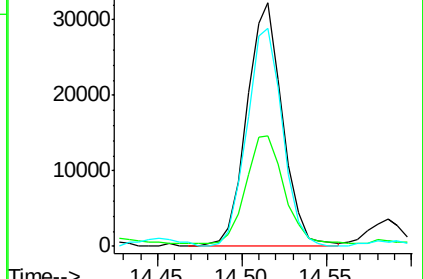
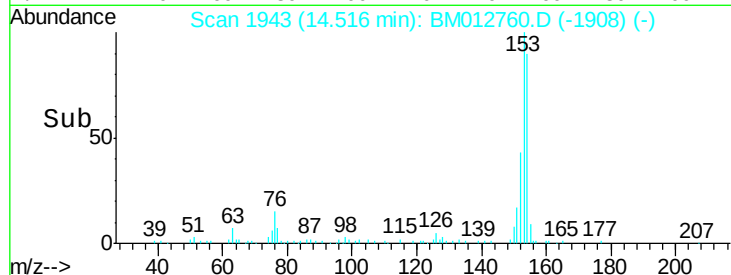
154 89.7 71.8 107.8



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 1.10 ng/ul

RT: 14.85 min Scan# 2000

Delta R.T. 0.01 min

Lab File: BM012760.D

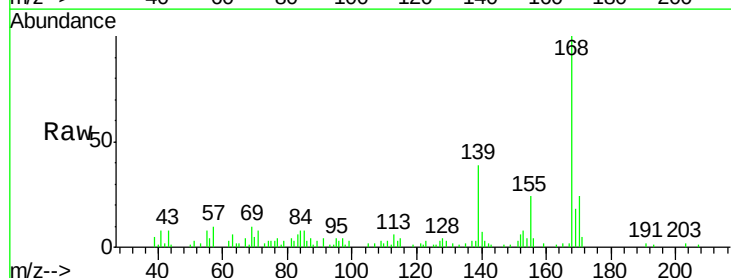
Acq: 06 Nov 2017 03:59

Tgt Ion:168 Resp: 39978

Ion Ratio Lower Upper

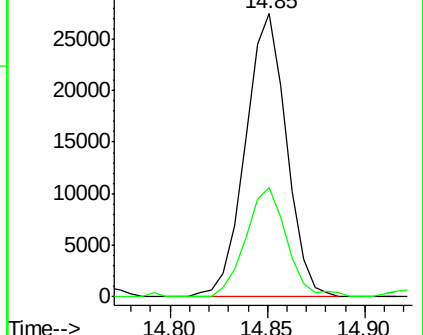
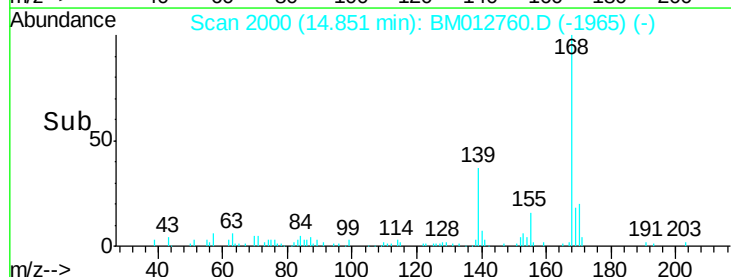
168 100

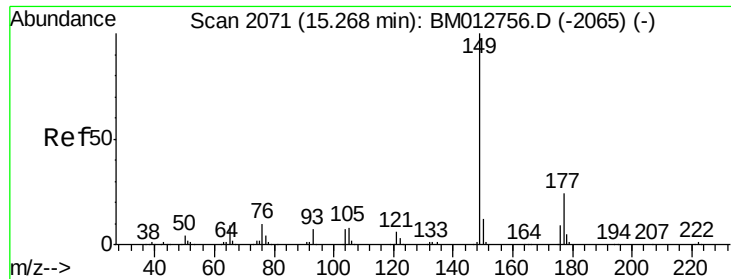
139 38.5 32.2 48.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

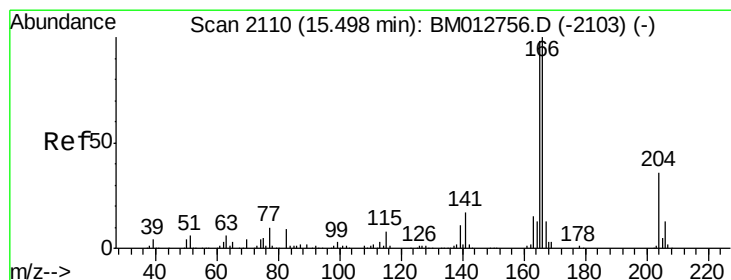
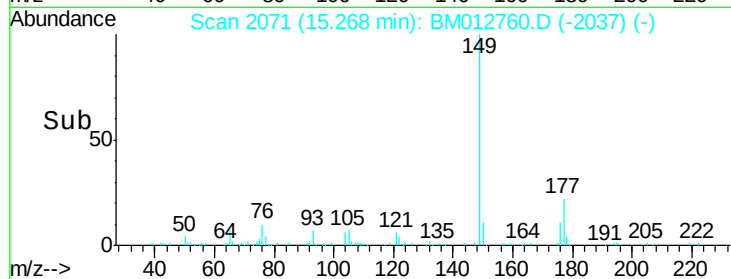
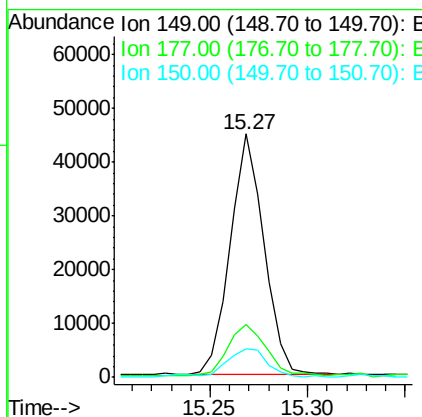
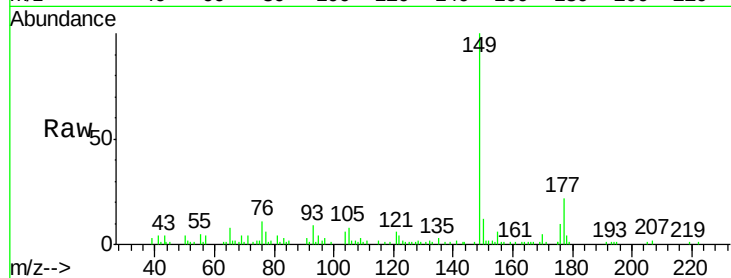




#56
Diethylphthalate
Concen: 1.83 ng/ul
RT: 15.27 min Scan# 2071
Delta R.T. 0.00 min
Lab File: BM012760.D
Acq: 06 Nov 2017 03:59

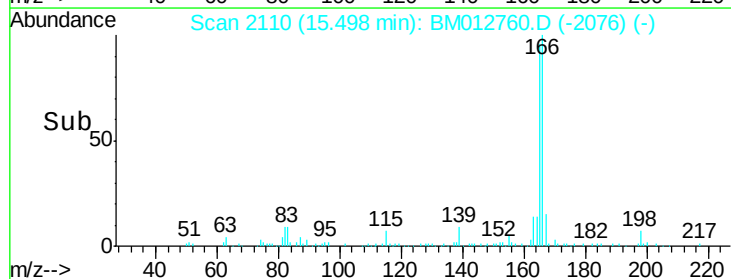
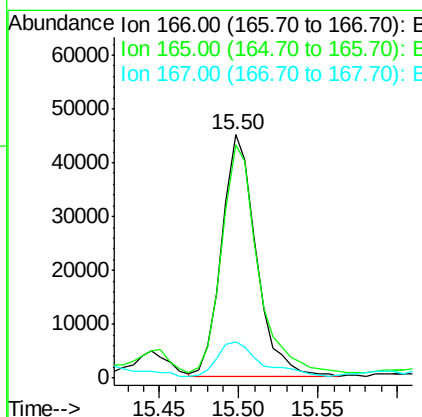
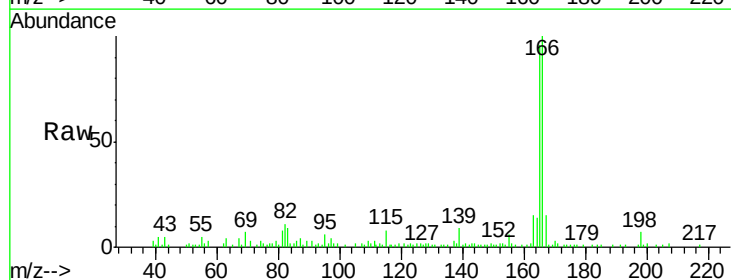
Instrument :
BNA_M
ClientSampleId :
DUP-5

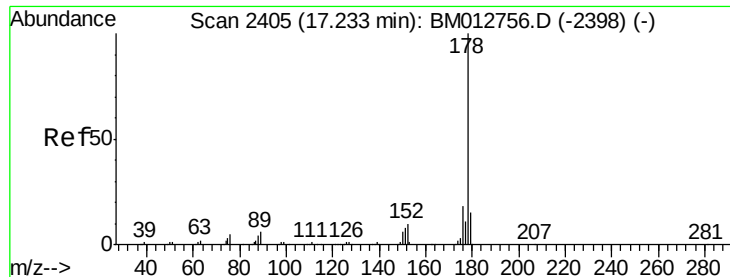
Tot Ion:149 Resp: 53502
Ion Ratio Lower Upper
149 100
177 21.7 17.4 26.2
150 11.8 10.0 15.0



#58
Fluorene
Concen: 2.26 ng/ul
RT: 15.50 min Scan# 2110
Delta R.T. 0.00 min
Lab File: BM012760.D
Acq: 06 Nov 2017 03:59

Tgt Ion:166 Resp: 68006
Ion Ratio Lower Upper
166 100
165 96.1 78.5 117.7
167 14.9 10.7 16.1





#69

Phenanthrene

Concen: 22.85 ng/ul

RT: 17.24 min Scan# 2406

Delta R.T. 0.01 min

Lab File: BM012760.D

Acq: 06 Nov 2017 03:59

Instrument :

BNA_M

ClientSampleId :

DUP-5

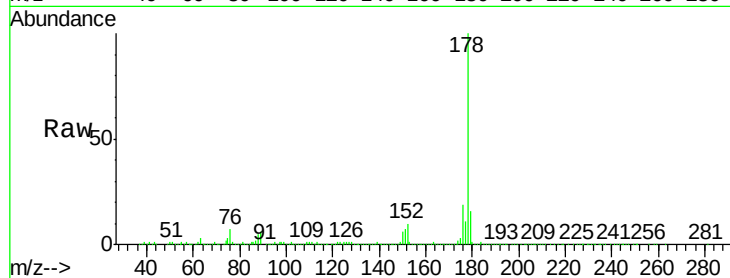
Tot Ion:178 Resp: 943396

Ion Ratio Lower Upper

178 100

179 15.6 12.2 18.4

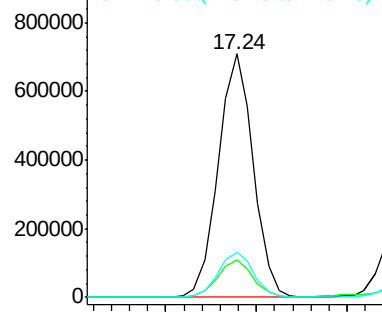
176 18.8 15.6 23.4



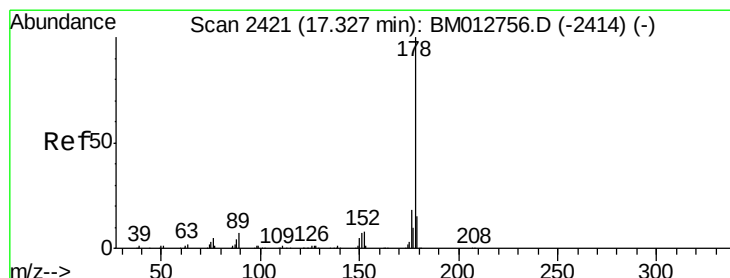
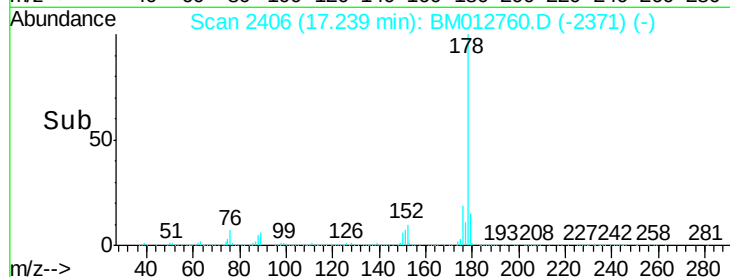
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->



#71

Anthracene

Concen: 7.58 ng/ul

RT: 17.33 min Scan# 2421

Delta R.T. 0.00 min

Lab File: BM012760.D

Acq: 06 Nov 2017 03:59

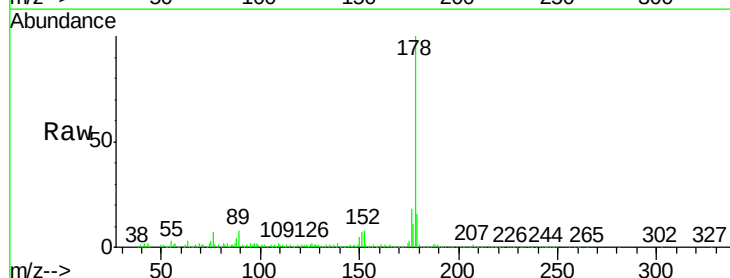
Tgt Ion:178 Resp: 324664

Ion Ratio Lower Upper

178 100

179 15.7 12.1 18.1

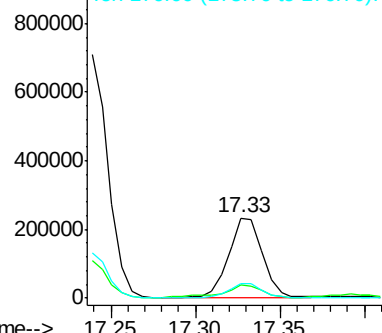
176 17.9 14.8 22.2



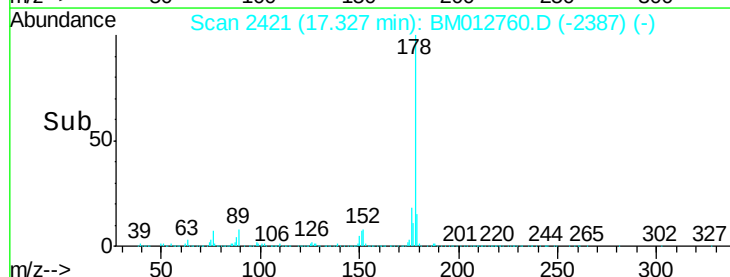
Abundance Ion 178.00 (177.70 to 178.70): E

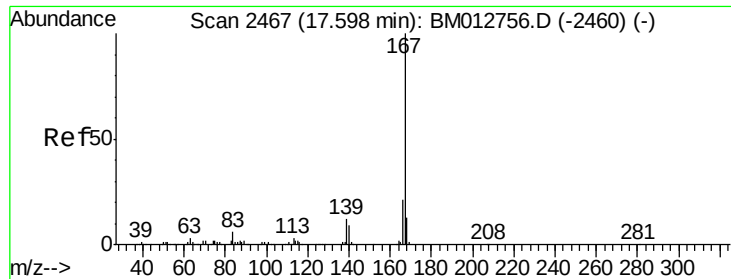
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



Time-->

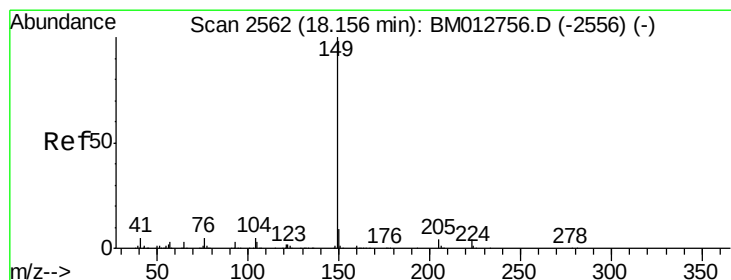
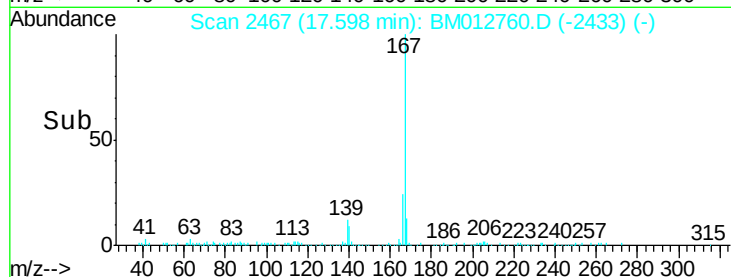
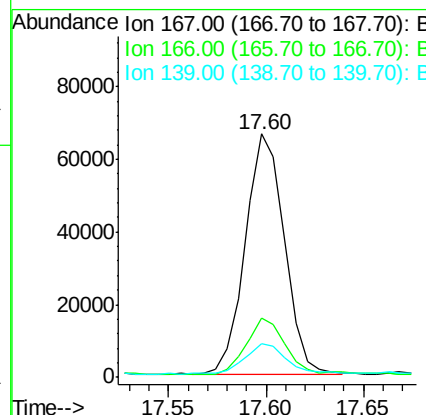
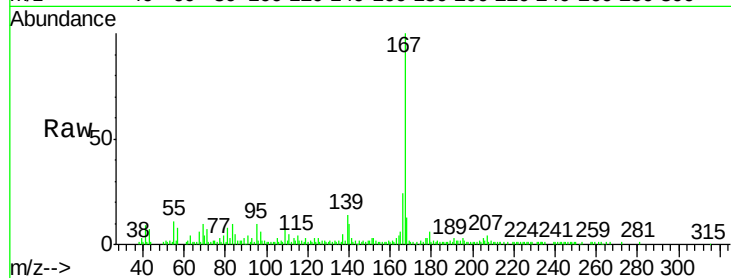




#74
 Carbazole
 Concen: 2.57 ng/ul
 RT: 17.60 min Scan# 2467
 Delta R.T. 0.00 min
 Lab File: BM012760.D
 Acq: 06 Nov 2017 03:59

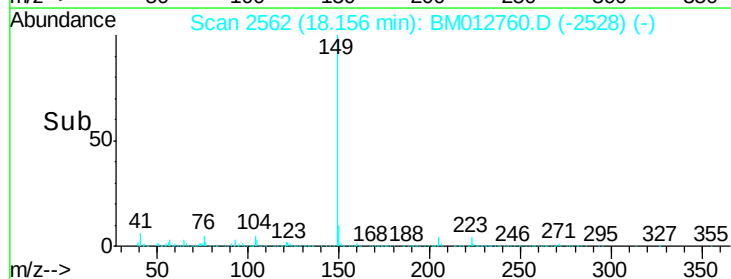
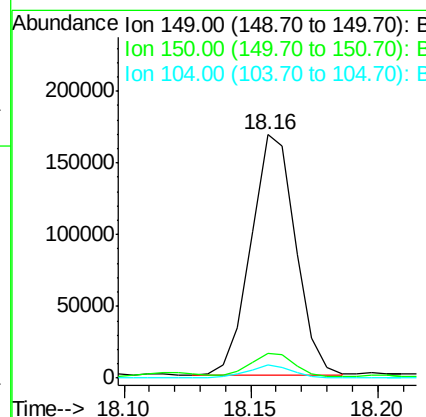
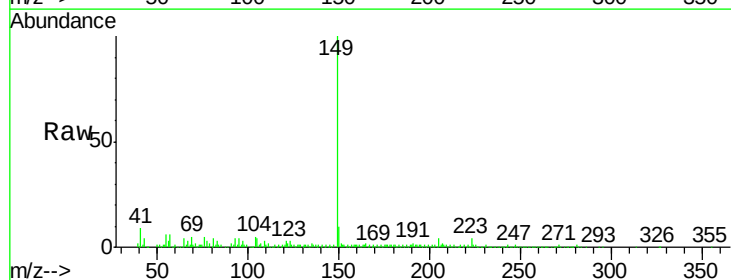
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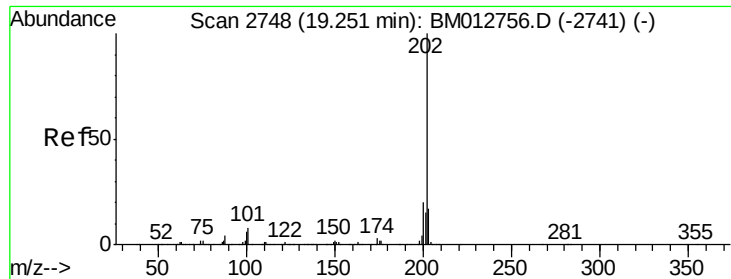
Tot Ion:167 Resp: 91744
 Ion Ratio Lower Upper
 167 100
 166 24.3 17.0 25.6
 139 13.8 11.0 16.4



#75
 Di-n-butylphthalate
 Concen: 4.92 ng/ul
 RT: 18.16 min Scan# 2562
 Delta R.T. 0.00 min
 Lab File: BM012760.D
 Acq: 06 Nov 2017 03:59

Tgt Ion:149 Resp: 205824
 Ion Ratio Lower Upper
 149 100
 150 10.3 7.4 11.0
 104 5.2 4.0 6.0





#76

Fluoranthene

Concen: 40.49 ng/ul

RT: 19.26 min Scan# 2749

Delta R.T. 0.01 min

Lab File: BM012760.D

Acq: 06 Nov 2017 03:59

Instrument :

BNA_M

ClientSampleId :

DUP-5

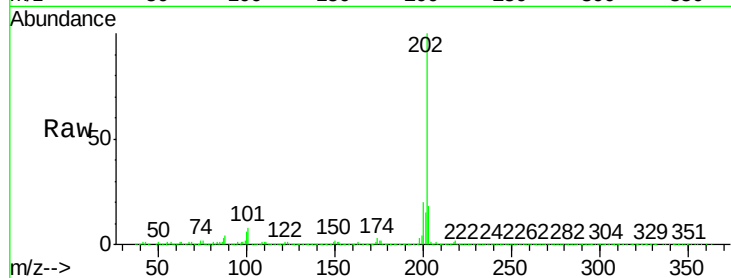
Tot Ion:202 Resp: 2008778

Ion Ratio Lower Upper

202 100

101 8.2 8.8 13.2#

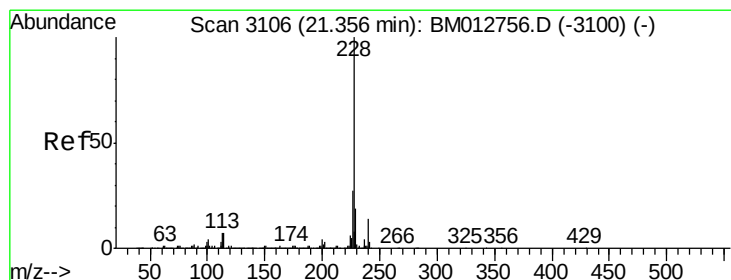
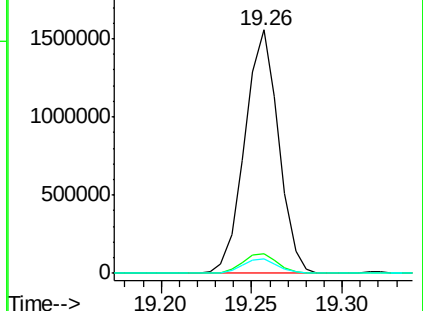
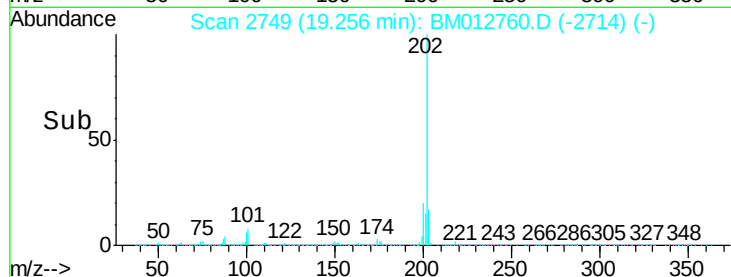
100 6.2 6.6 9.8#



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



#82

Benzo(a)anthracene

Concen: 26.71 ng/ul

RT: 21.36 min Scan# 3107

Delta R.T. 0.01 min

Lab File: BM012760.D

Acq: 06 Nov 2017 03:59

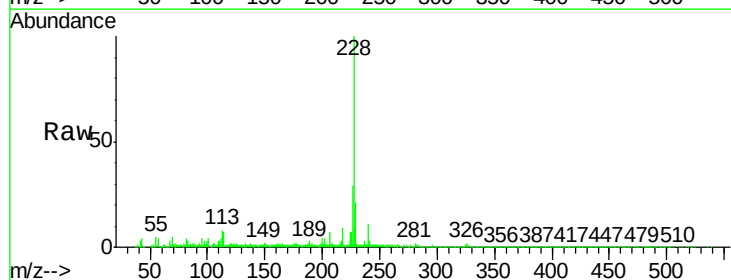
Tgt Ion:228 Resp: 1021300

Ion Ratio Lower Upper

228 100

229 21.4 15.7 23.5

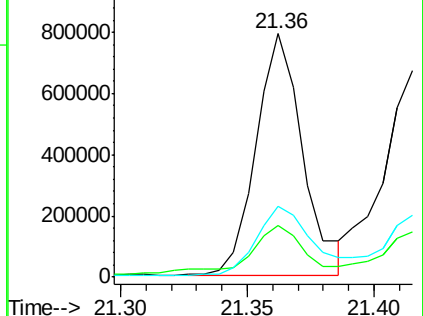
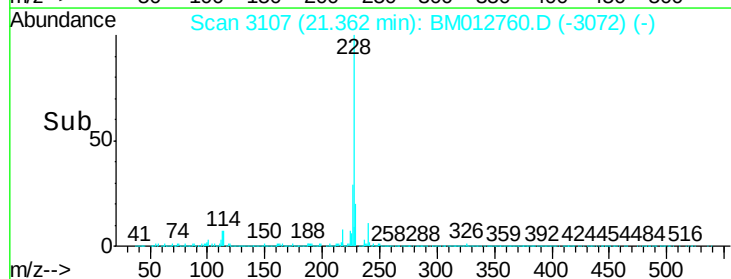
226 29.3 21.8 32.6

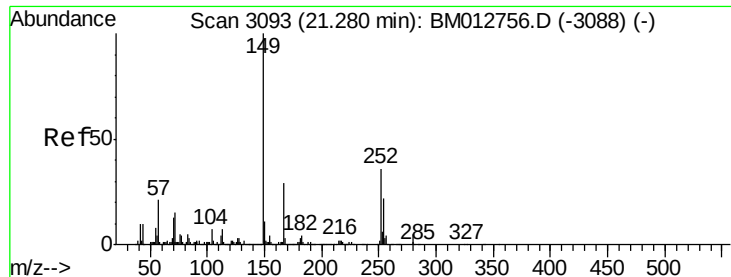


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

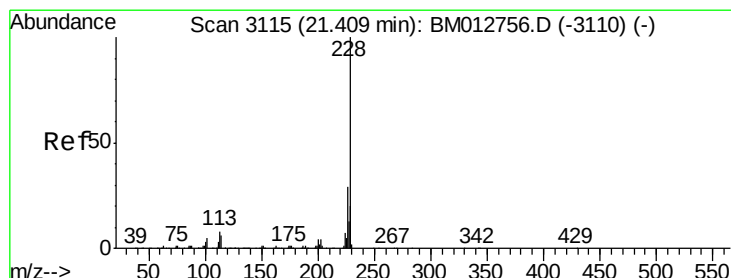
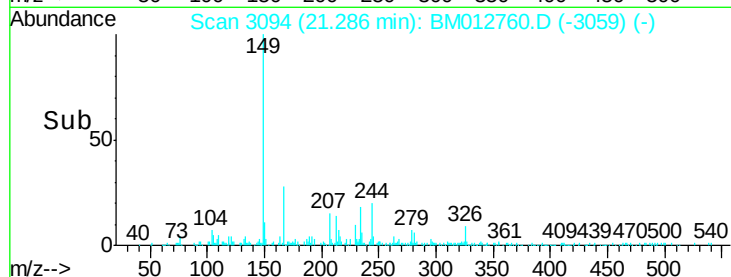
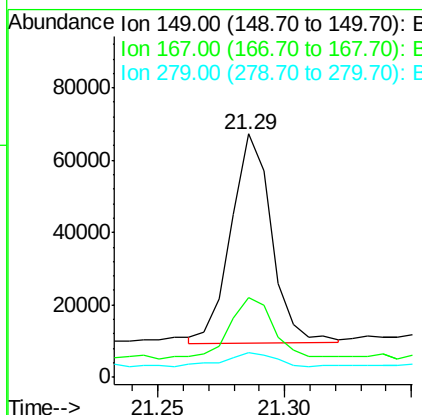
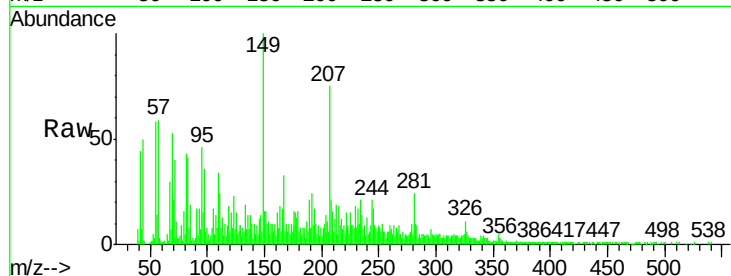




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.21 ng/ul
 RT: 21.29 min Scan# 3094
 Delta R.T. 0.01 min
 Lab File: BM012760.D
 Acq: 06 Nov 2017 03:59

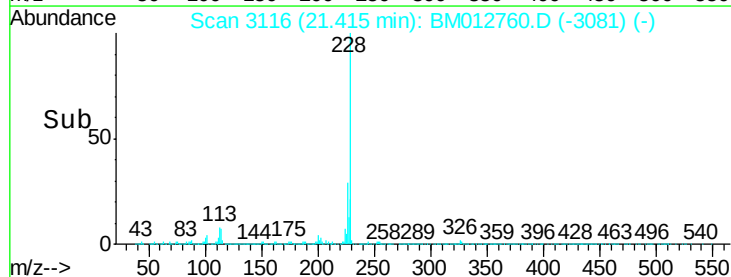
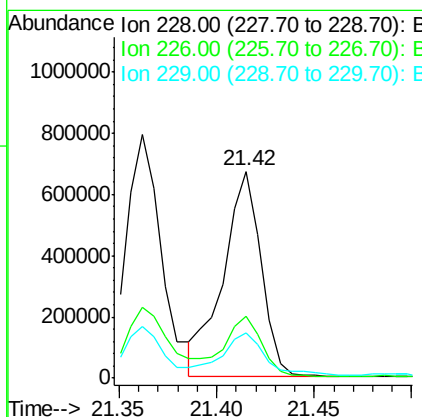
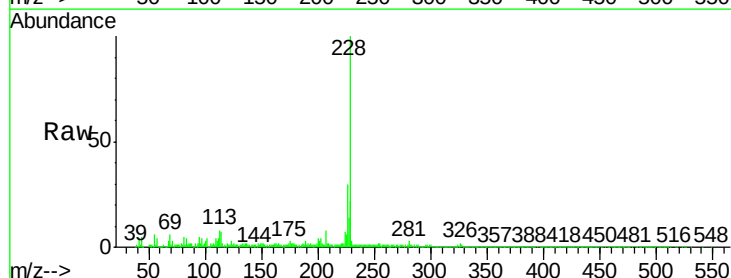
Instrument :
 BNA_M
 ClientSampleId :
 DUP-5

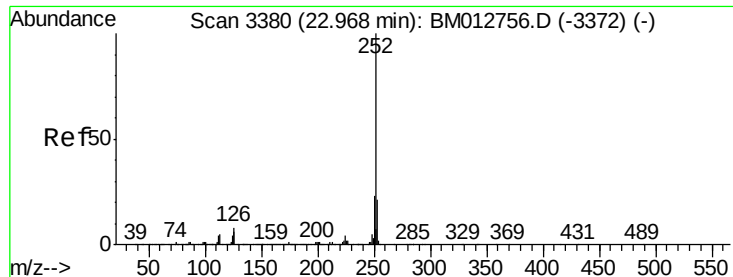
Tot Ion:149 Resp: 64293
 Ion Ratio Lower Upper
 149 100
 167 33.0 21.6 32.4#
 279 10.1 3.0 4.4#



#84
 Chrysene
 Concen: 26.34 ng/ul
 RT: 21.42 min Scan# 3116
 Delta R.T. 0.01 min
 Lab File: BM012760.D
 Acq: 06 Nov 2017 03:59

Tgt Ion:228 Resp: 912713
 Ion Ratio Lower Upper
 228 100
 226 29.9 24.0 36.0
 229 22.1 15.6 23.4





#87

Benzo(b)fluoranthene

Concen: 34.84 ng/ul

RT: 22.99 min Scan# 3383

Delta R.T. 0.02 min

Lab File: BM012760.D

Acq: 06 Nov 2017 03:59

Instrument :

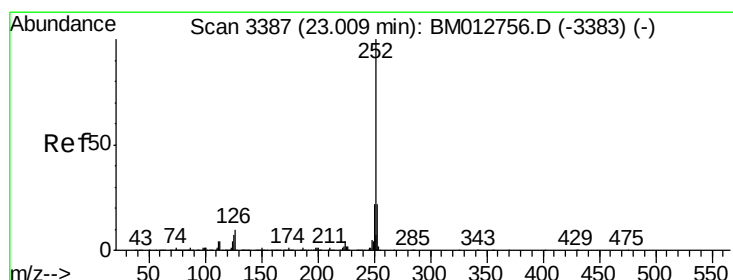
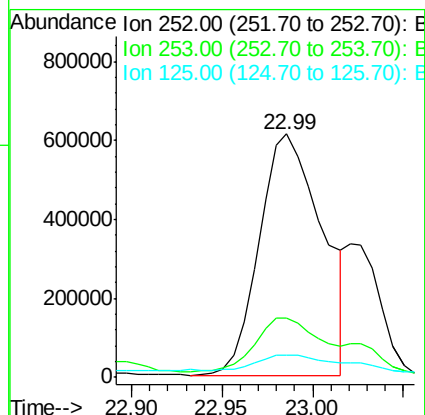
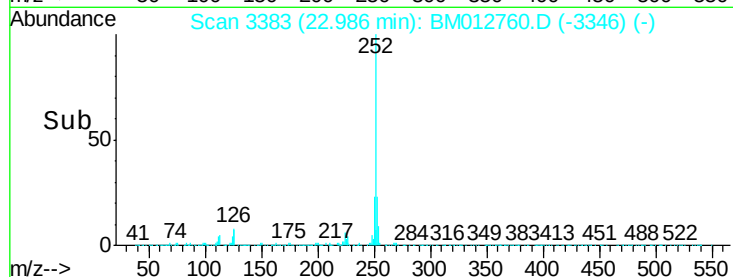
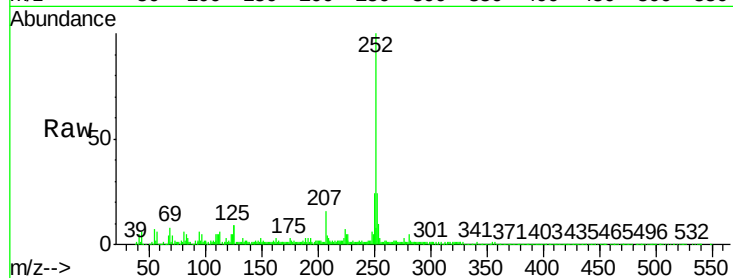
BNA_M

ClientSampleId :

DUP-5

Tot Ion:252 Resp: 1476775

Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.5	26.3
125	9.3	8.5	12.7



#88

Benzo(k)fluoranthene

Concen: 36.65 ng/ul

RT: 22.99 min Scan# 3383

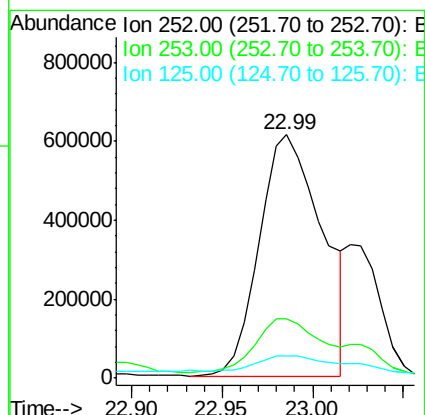
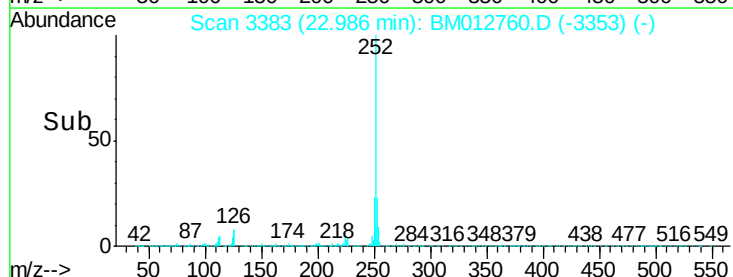
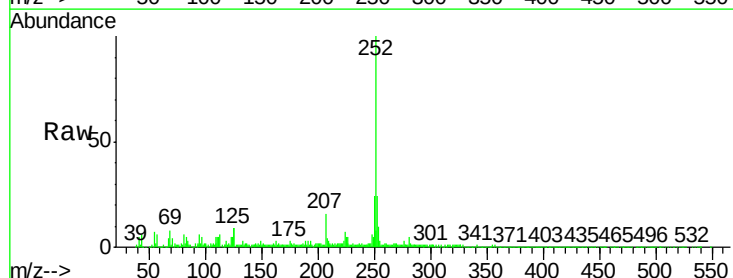
Delta R.T. -0.02 min

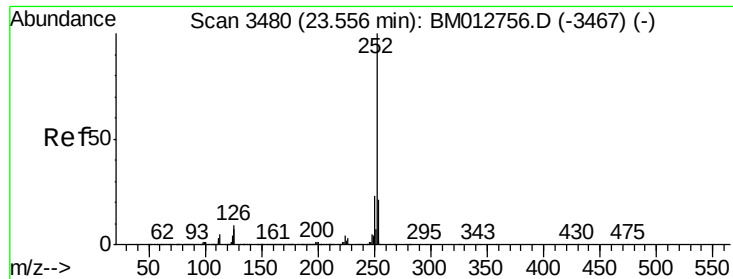
Lab File: BM012760.D

Acq: 06 Nov 2017 03:59

Tgt Ion:252 Resp: 1476775

Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.3	25.9
125	9.3	8.2	12.2





#90

Benzo(a)pyrene

Concen: 24.92 ng/ul

RT: 23.57 min Scan# 3483

Delta R.T. 0.02 min

Lab File: BM012760.D

Acq: 06 Nov 2017 03:59

Instrument :

BNA_M

ClientSampleId :

DUP-5

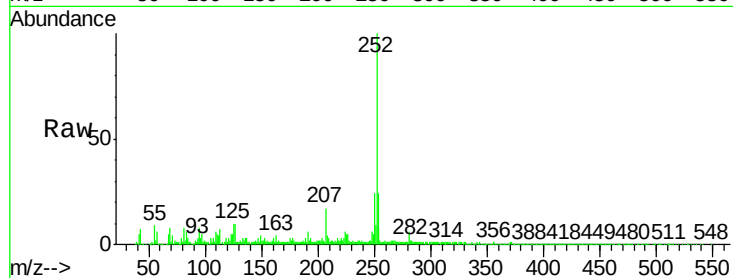
Tot Ion:252 Resp: 1005090

Ion Ratio Lower Upper

252 100

253 23.6 17.2 25.8

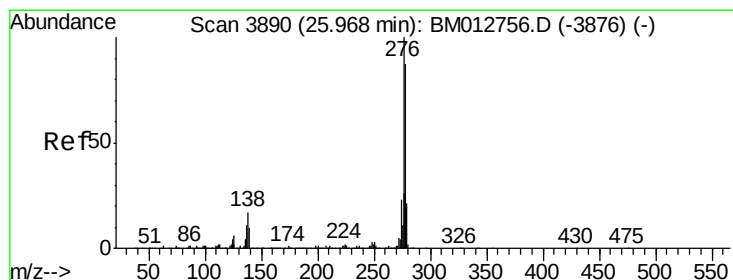
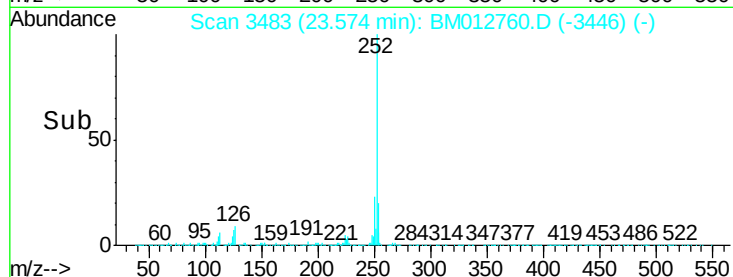
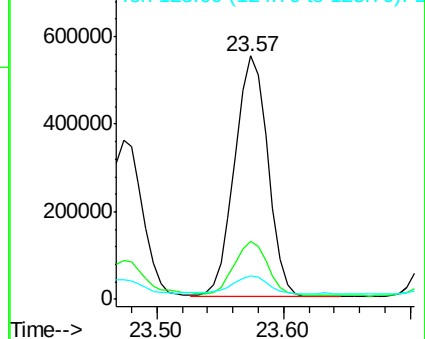
125 9.5 9.0 13.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Indeno(1,2,3-cd)pyrene

Concen: 16.20 ng/ul

RT: 26.00 min Scan# 3896

Delta R.T. 0.04 min

Lab File: BM012760.D

Acq: 06 Nov 2017 03:59

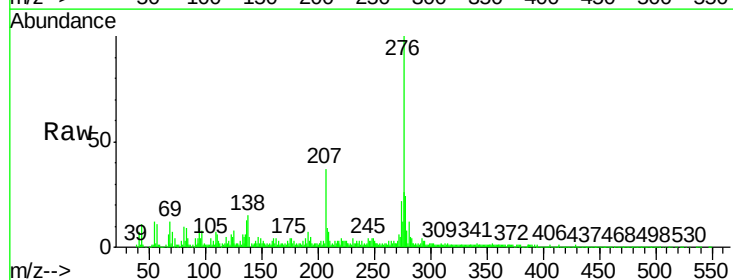
Tgt Ion:276 Resp: 787374

Ion Ratio Lower Upper

276 100

138 15.0 22.3 33.5#

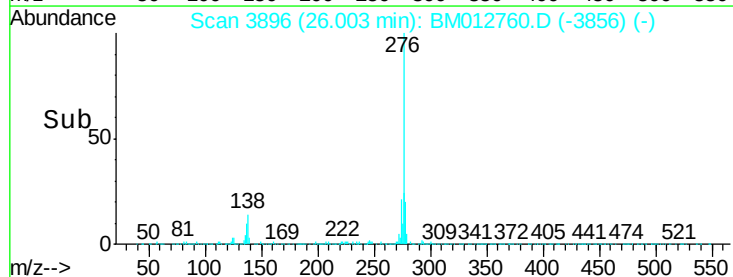
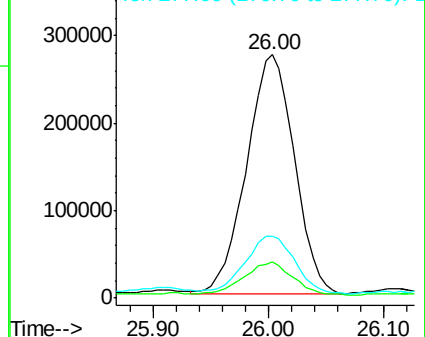
277 25.6 20.2 30.2

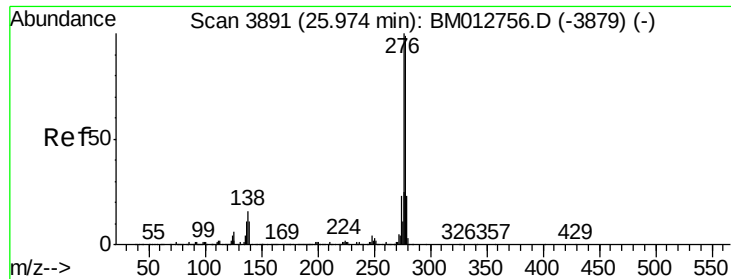


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 5.12 ng/ul

RT: 26.00 min Scan# 3896

Delta R.T. 0.03 min

Lab File: BM012760.D

Acq: 06 Nov 2017 03:59

Instrument :

BNA_M

ClientSampleId :

DUP-5

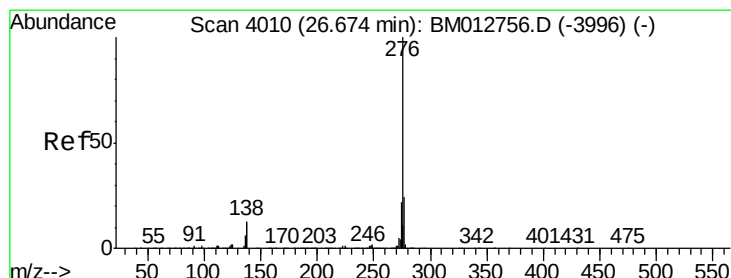
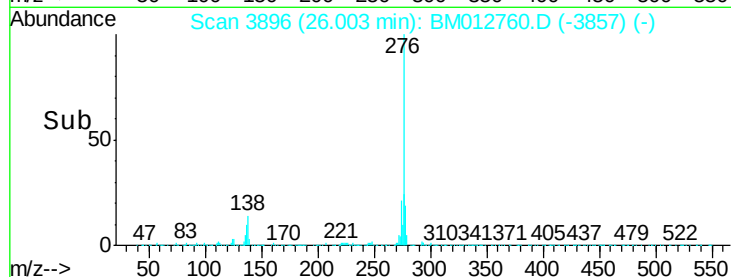
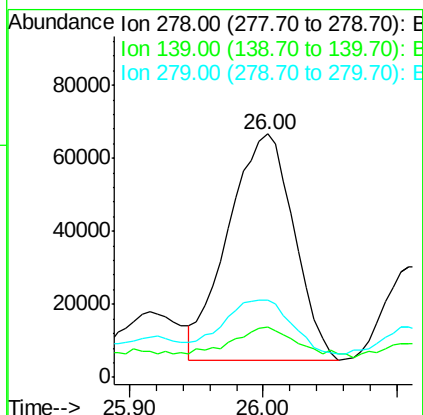
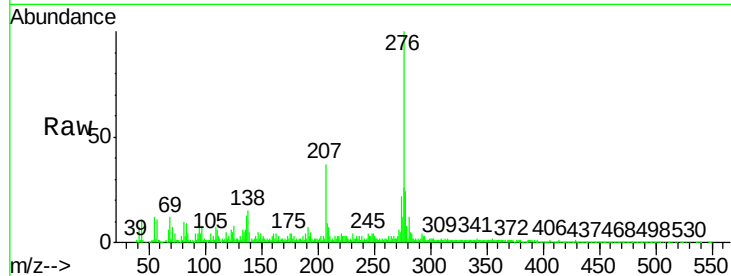
Tot Ion:278 Resp: 210774

Ion Ratio Lower Upper

278 100

139 20.5 13.9 20.9

279 31.6 19.0 28.4#



#93

Benzo(g,h,i)perylene

Concen: 16.70 ng/ul

RT: 26.72 min Scan# 4018

Delta R.T. 0.05 min

Lab File: BM012760.D

Acq: 06 Nov 2017 03:59

Tgt Ion:276 Resp: 668767

Ion Ratio Lower Upper

276 100

138 14.2 18.9 28.3#

277 25.9 19.2 28.8

