

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110517\
 Data File : BM012763.D
 Acq On : 06 Nov 2017 05:47
 Operator : SJ/JU
 Sample : I5825-15MSD
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B-19(0-1)-101117MSD

Quant Time: Nov 06 07:24:46 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	7.82	152	120500	20.00	ng/ul	0.00
18) Naphthalene-d8	10.61	136	514714	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.46	164	336425	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.20	188	724236	20.00	ng/ul	0.01
77) Chrysene-d12	21.39	240	635576	20.00	ng/ul	0.01
85) Perylene-d12	23.69	264	695097	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.30	96	9546	4.28	ng/uL	0.00
5) Phenol-d5	7.00	99	223545	24.93	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.15	67	120077	24.71	ng/ul	0.01
9) 2-Chlorophenol-d4	7.36	132	178715	23.93	ng/ul	0.01
13) 4-Methylphenol-d8	8.53	113	193021	24.94	ng/ul	0.01
19) Nitrobenzene-d5	8.97	128	102480	26.95	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	77871	17.90	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.24	165	188762	21.16	ng/ul	0.01
29) 4-Chloroaniline-d4	10.75	131	118158	13.73	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	746061	26.80	ng/ul	0.00
46) Acenaphthylene-d8	14.15	160	965175	28.03	ng/ul	0.01
51) 4-Nitrophenol-d4	14.69	143	2430	0.54	ng/ul	0.03
57) Fluorene-d10	15.45	176	679864	28.51	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
70) Anthracene-d10	17.30	188	978308	27.96	ng/ul	0.01
78) Pyrene-d10	19.60	212	883271	29.95	ng/ul	0.02
89) Benzo(a)pyrene-d12	23.54	264	920073	27.99	ng/ul	0.03

Target Compounds

						Ovalue
4) Benzaldehyde	6.96	77	11079	2.32	ng/ul	92
6) Phenol	7.02	94	288858	31.38	ng/ul	96
10) 2-Chlorophenol	7.39	128	196087	25.49	ng/ul	97
15) N-Nitroso-di-n-propylamine	8.62	70	134736	24.07	ng/ul	97
33) 4-Chloro-3-methylphenol	11.90	107	250821	29.67	ng/ul	98
44) Dimethylphthalate	13.91	163	427255	15.47	ng/ul	99
49) Acenaphthene	14.52	153	583437	25.66	ng/ul	97
54) 2,4-Dinitrotoluene	14.83	165	189168	23.26	ng/ul	97
69) Phenanthrene	17.24	178	250030	6.32	ng/ul	98
71) Anthracene	17.34	178	57343	1.40	ng/ul	94
75) Di-n-butylphthalate	18.16	149	154853	3.86	ng/ul	98
79) Pyrene	19.63	202	1458077	38.45	ng/ul#	93
80) Butylbenzylphthalate	20.52	149	60525	4.38	ng/ul#	87
82) Benzo(a)anthracene	21.37	228	237396	6.17	ng/ul#	92
83) Bis(2-ethylhexyl)phthalate	21.29	149	702164	34.85	ng/ul#	94
84) Chrysene	21.42	228	263065	7.55	ng/ul#	92
87) Benzo(b)fluoranthene	23.00	252	429162	10.10	ng/ul#	87
88) Benzo(k)fluoranthene	23.00	252	429162	10.63	ng/ul#	86
90) Benzo(a)pyrene	23.59	252	274804	6.80	ng/ul#	86
91) Indeno(1,2,3-cd)pyrene	26.02	276	254634	5.23	ng/ul#	86
92) Dibenzo(a,h)anthracene	26.02	278	62603	1.52	ng/ul#	44
93) Benzo(a,h,i)perylene	26.74	276	239279	5.96	ng/ul#	89

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Response via : Initial Calibration

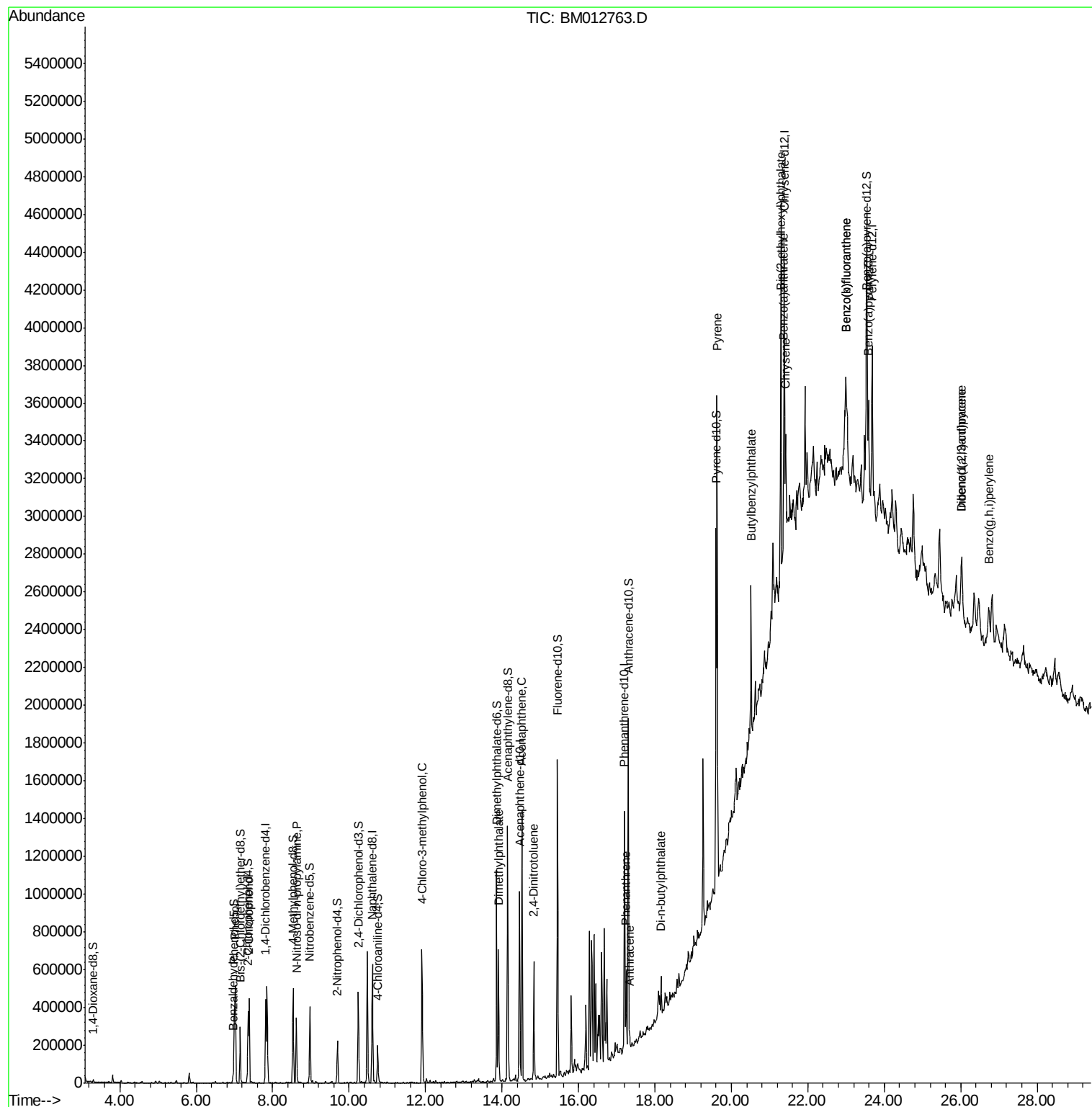
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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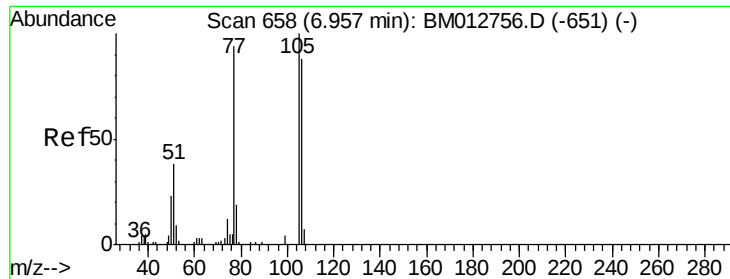
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

Benzaldehyde

Concen: 2.32 ng/ul

RT: 6.96 min Scan# 659

Delta R.T. 0.01 min

Lab File: BM012763.D

Acq: 06 Nov 2017 05:47

Instrument :

BNA_M

ClientSampleId :

B-19(0-1)-101117MSD

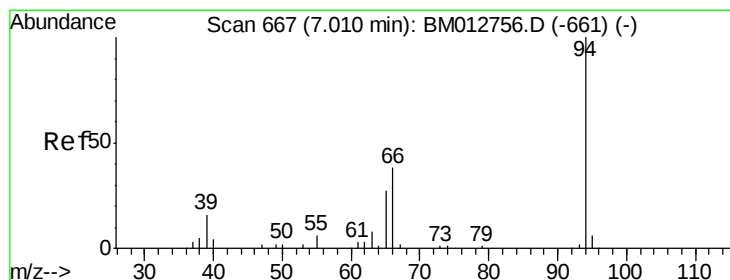
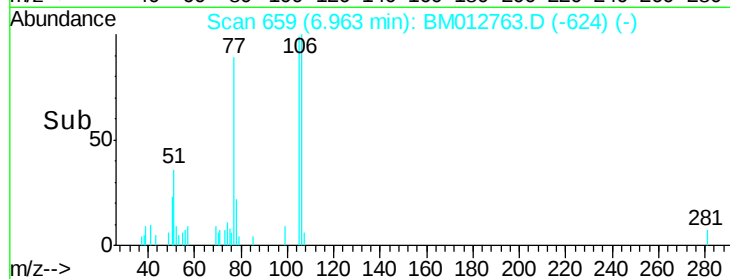
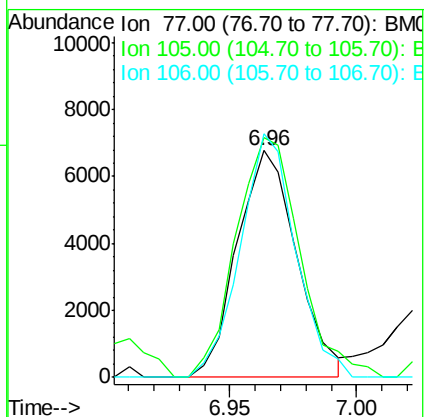
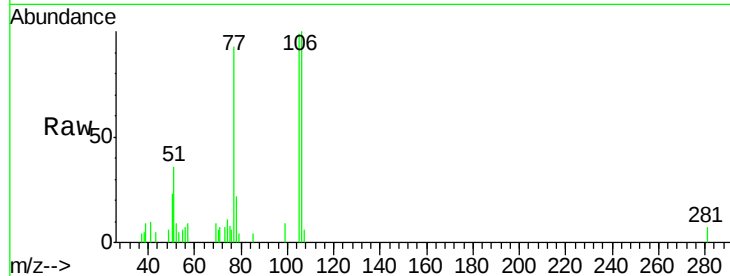
Tot Ion: 77 Resp: 11079

Ion Ratio Lower Upper

77 100

105 105.9 80.6 120.8

106 107.5 77.7 116.5



#6

Phenol

Concen: 31.38 ng/ul

RT: 7.02 min Scan# 669

Delta R.T. 0.01 min

Lab File: BM012763.D

Acq: 06 Nov 2017 05:47

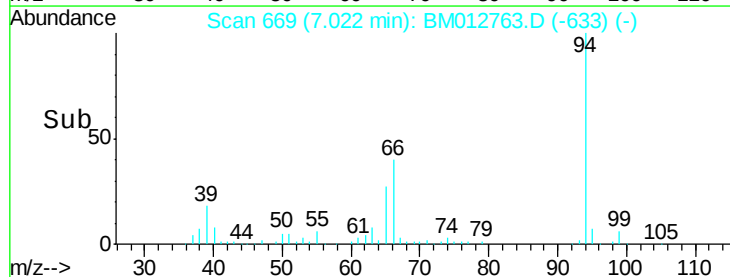
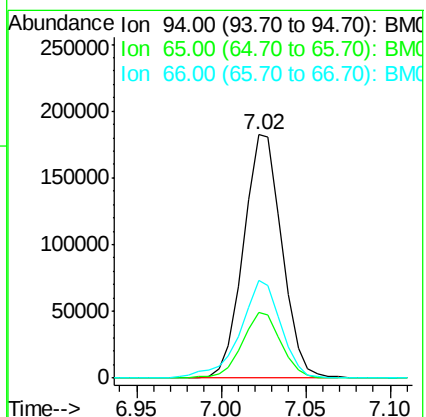
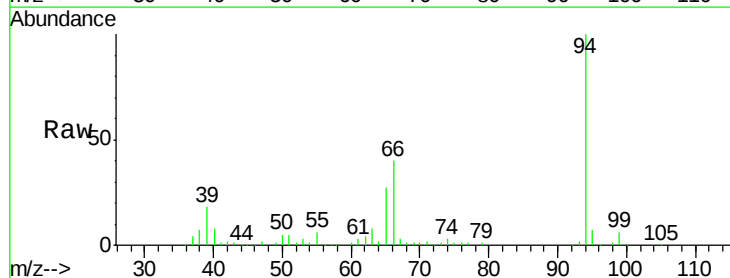
Tgt Ion: 94 Resp: 288858

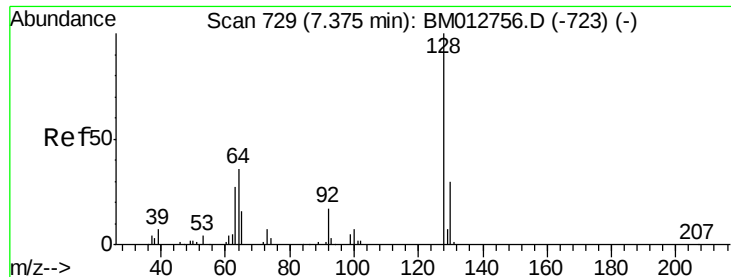
Ion Ratio Lower Upper

94 100

65 26.9 21.0 31.6

66 40.1 29.3 43.9

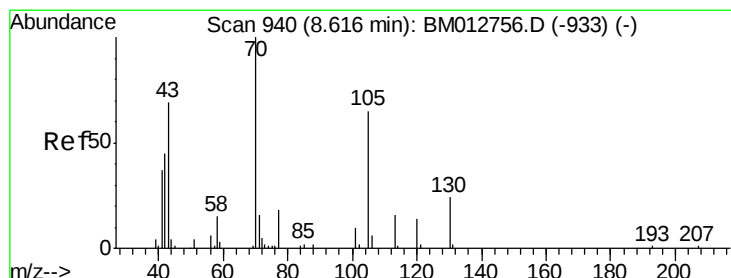
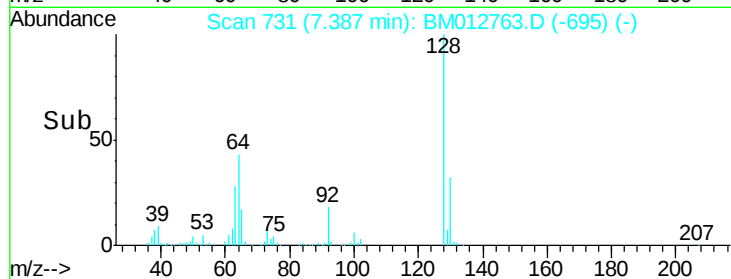
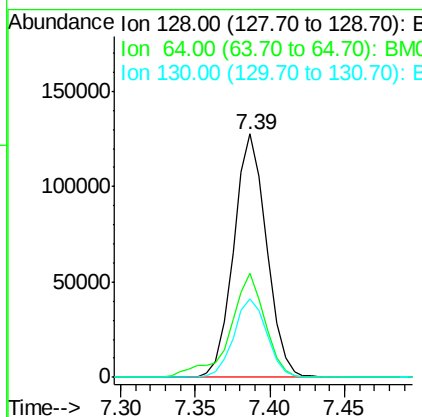
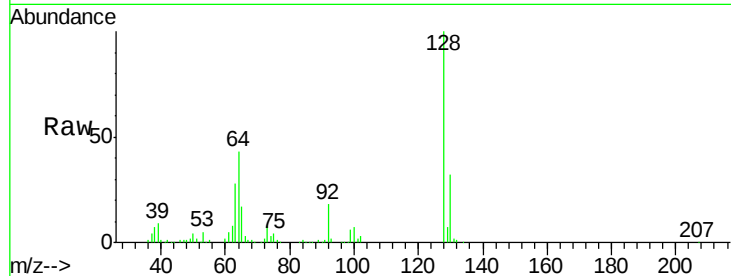




#10
2-Chlorophenol
Concen: 25.49 ng/ul
RT: 7.39 min Scan# 731
Delta R.T. 0.01 min
Lab File: BM012763.D
Acq: 06 Nov 2017 05:47

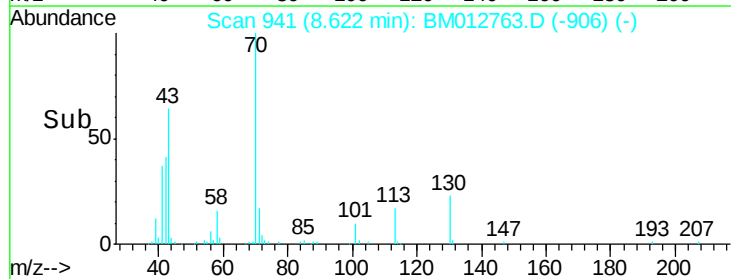
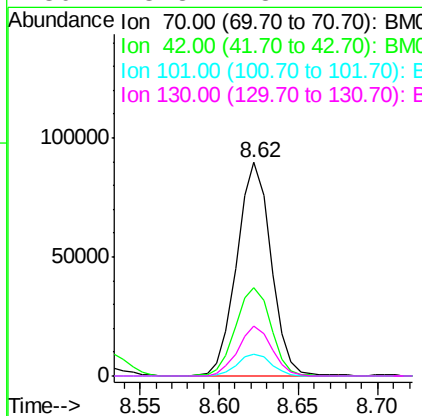
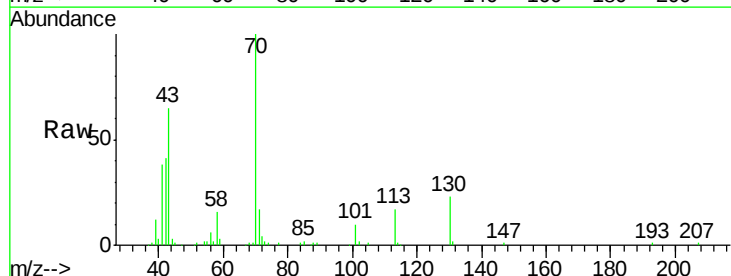
Instrument :
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B-19(0-1)-101117MSD

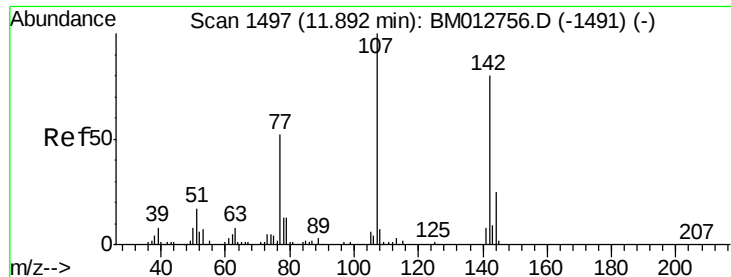
Tot Ion	Ratio	Lower	Upper
128	100		
64	42.7	31.9	47.9
130	32.3	25.6	38.4



#15
N-Nitroso-di-n-propylamine
Concen: 24.07 ng/ul
RT: 8.62 min Scan# 941
Delta R.T. 0.01 min
Lab File: BM012763.D
Acq: 06 Nov 2017 05:47

Tgt Ion	Ratio	Lower	Upper
70	100		
42	41.5	35.4	53.0
101	10.3	8.4	12.6
130	23.3	18.2	27.4

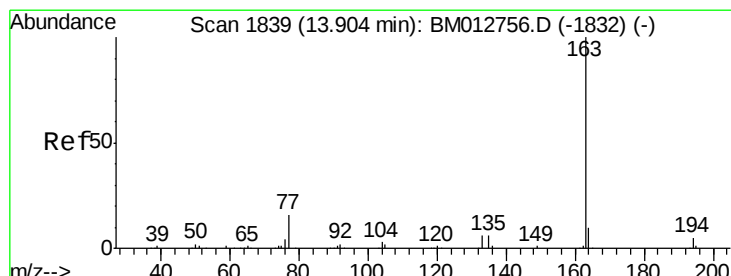
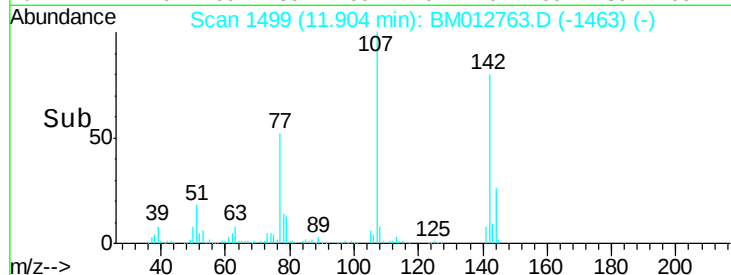
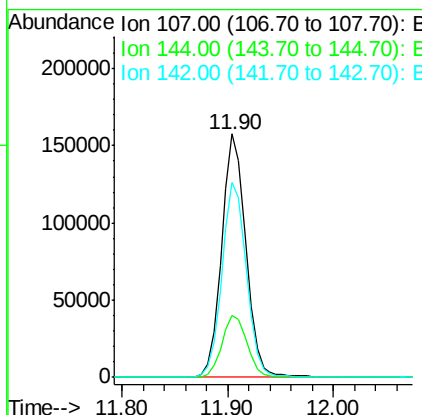
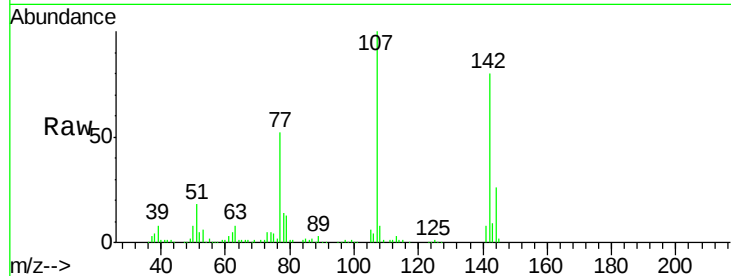




#33
 4-Chloro-3-methylphenol
 Concen: 29.67 ng/ul
 RT: 11.90 min Scan# 1499
 Delta R.T. 0.01 min
 Lab File: BM012763.D
 Acq: 06 Nov 2017 05:47

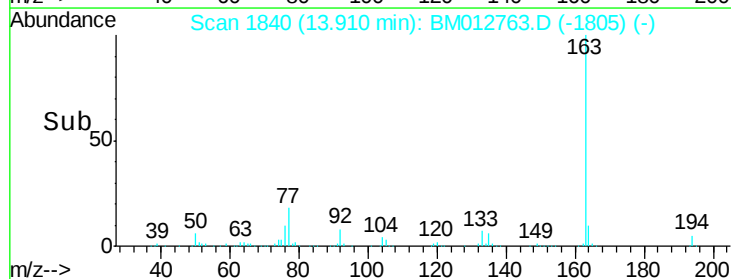
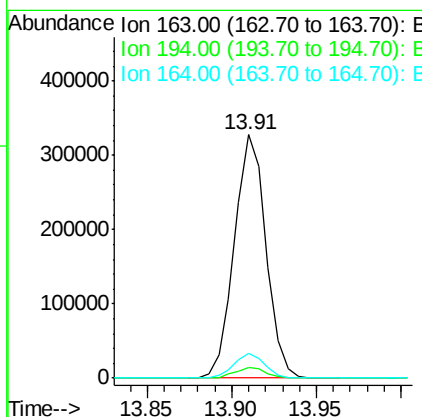
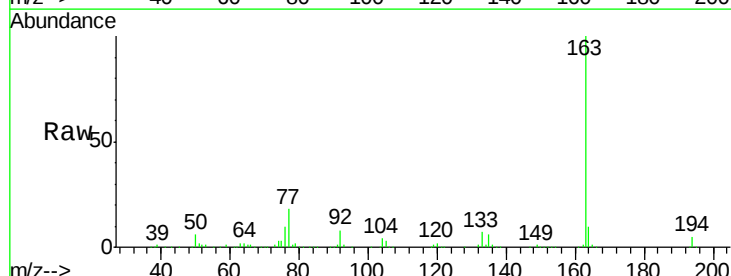
Instrument :
 BNA_M
 ClientSampleId :
 B-19(0-1)-101117MSD

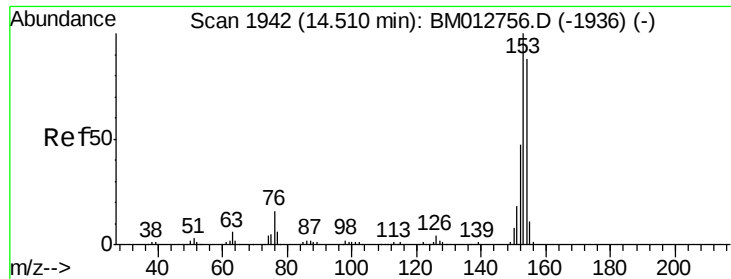
Tot Ion:107 Resp: 250821
 Ion Ratio Lower Upper
 107 100
 144 25.5 20.4 30.6
 142 79.9 62.5 93.7



#44
 Dimethylphthalate
 Concen: 15.47 ng/ul
 RT: 13.91 min Scan# 1840
 Delta R.T. 0.01 min
 Lab File: BM012763.D
 Acq: 06 Nov 2017 05:47

Tgt Ion:163 Resp: 427255
 Ion Ratio Lower Upper
 163 100
 194 4.6 3.2 4.8
 164 10.1 7.8 11.8





#49

Acenaphthene

Concen: 25.66 ng/ul

RT: 14.52 min Scan# 1944

Delta R.T. 0.01 min

Lab File: BM012763.D

Acq: 06 Nov 2017 05:47

Instrument :

BNA_M

ClientSampleId :

B-19(0-1)-101117MSD

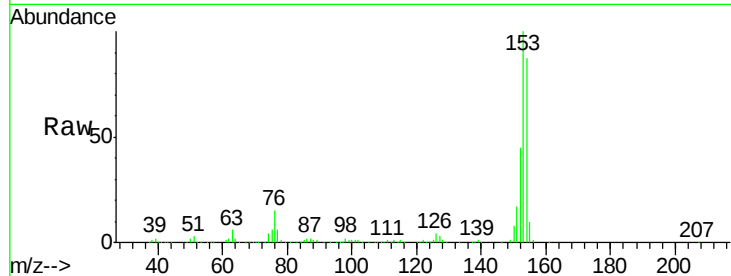
Tot Ion:153 Resp: 583437

Ion Ratio Lower Upper

153 100

152 45.5 38.3 57.5

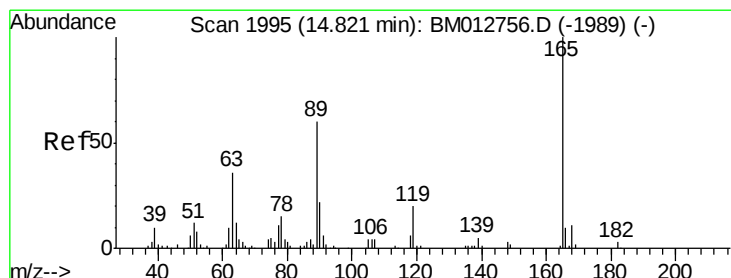
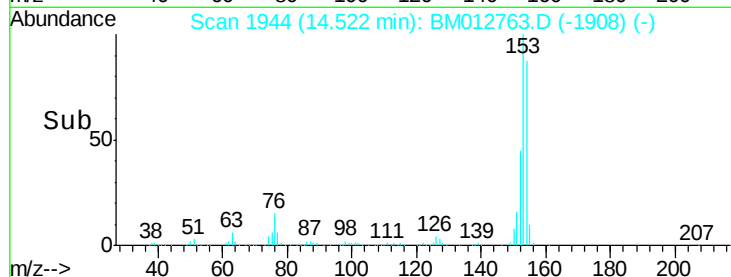
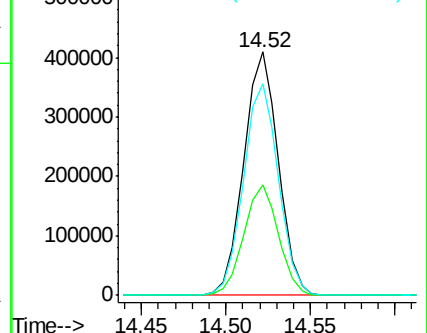
154 87.2 71.8 107.8



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#54

2,4-Dinitrotoluene

Concen: 23.26 ng/ul

RT: 14.83 min Scan# 1997

Delta R.T. 0.01 min

Lab File: BM012763.D

Acq: 06 Nov 2017 05:47

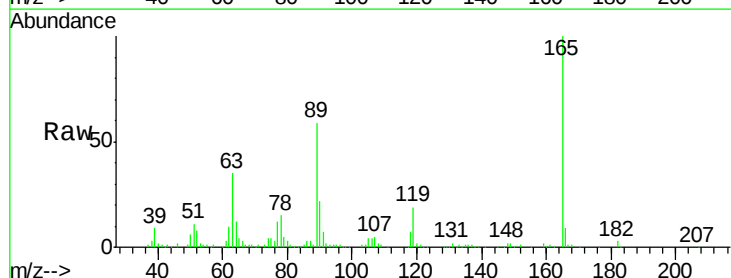
Tgt Ion:165 Resp: 189168

Ion Ratio Lower Upper

165 100

63 35.1 29.8 44.6

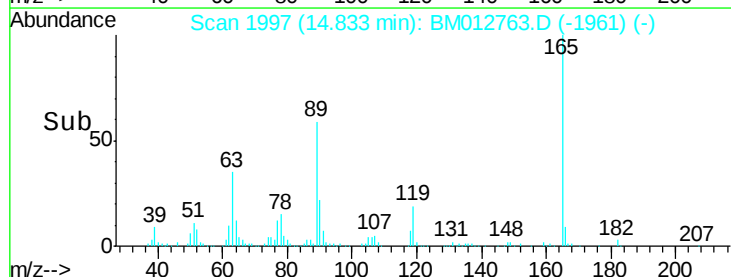
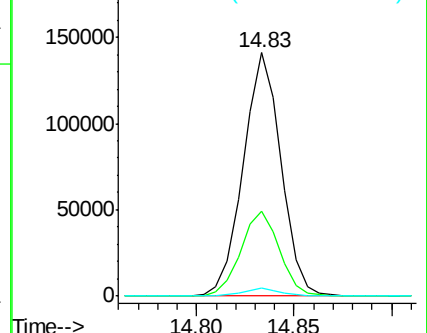
182 3.1 2.2 3.4

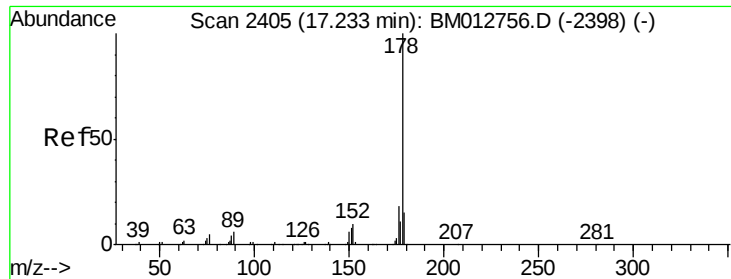


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 182.00 (181.70 to 182.70): E





#69

Phenanthrene

Concen: 6.32 ng/ul

RT: 17.24 min Scan# 2407

Delta R.T. 0.01 min

Lab File: BM012763.D

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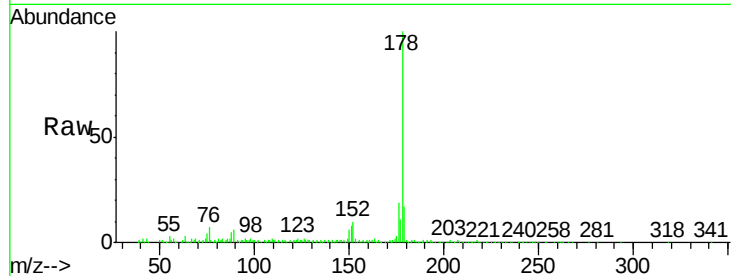
Tot Ion:178 Resp: 250030

Ion Ratio Lower Upper

178 100

179 16.5 12.2 18.4

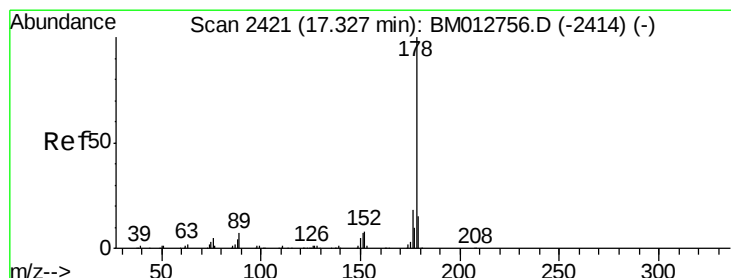
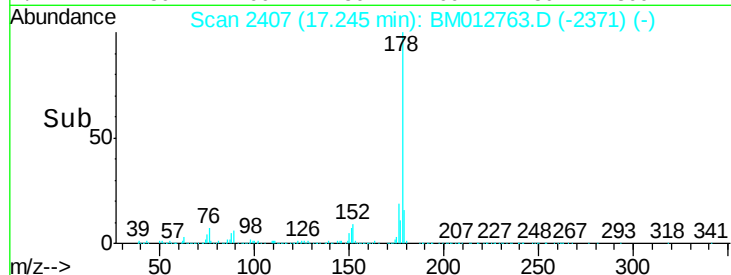
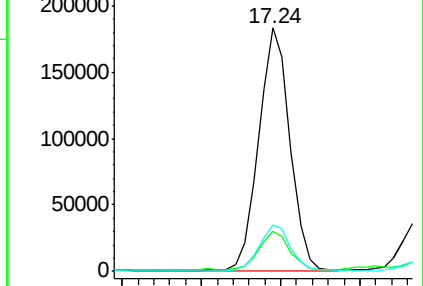
176 19.3 15.6 23.4



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



#71

Anthracene

Concen: 1.40 ng/ul

RT: 17.34 min Scan# 2423

Delta R.T. 0.01 min

Lab File: BM012763.D

Acq: 06 Nov 2017 05:47

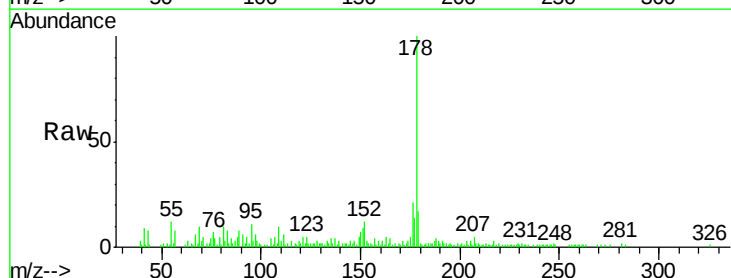
Tgt Ion:178 Resp: 57343

Ion Ratio Lower Upper

178 100

179 17.3 12.1 18.1

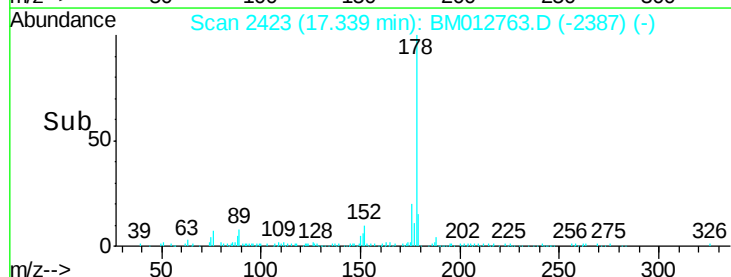
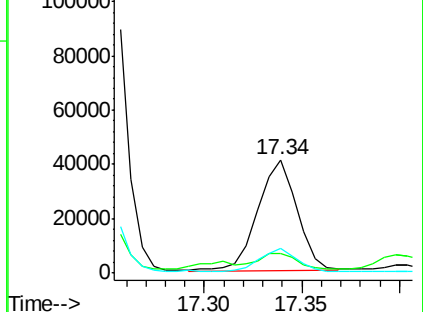
176 21.4 14.8 22.2

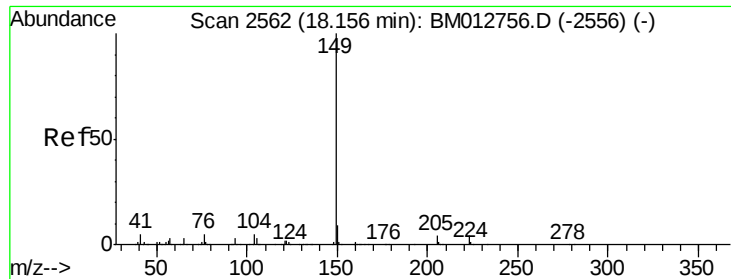


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#75

Di-n-butylphthalate

Concen: 3.86 ng/ul

RT: 18.16 min Scan# 2563

Delta R.T. 0.01 min

Lab File: BM012763.D

Acq: 06 Nov 2017 05:47

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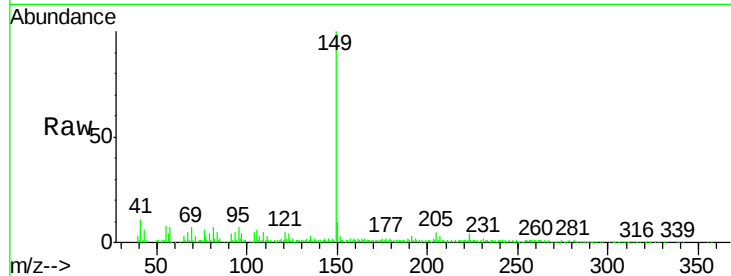
Tot Ion:149 Resp: 154853

Ion Ratio Lower Upper

149 100

150 10.4 7.4 11.0

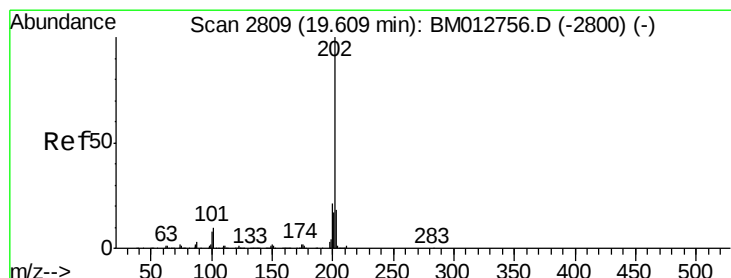
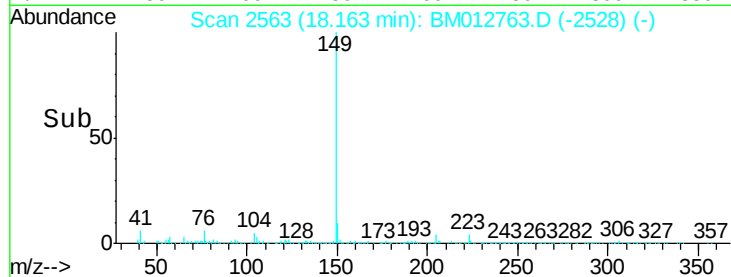
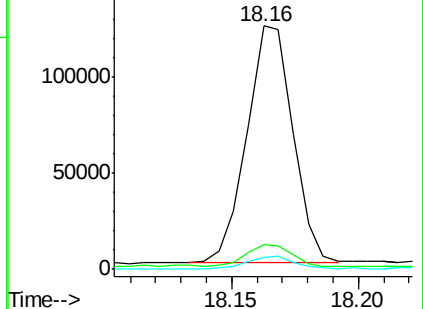
104 5.0 4.0 6.0



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#79

Pyrene

Concen: 38.45 ng/ul

RT: 19.63 min Scan# 2812

Delta R.T. 0.02 min

Lab File: BM012763.D

Acq: 06 Nov 2017 05:47

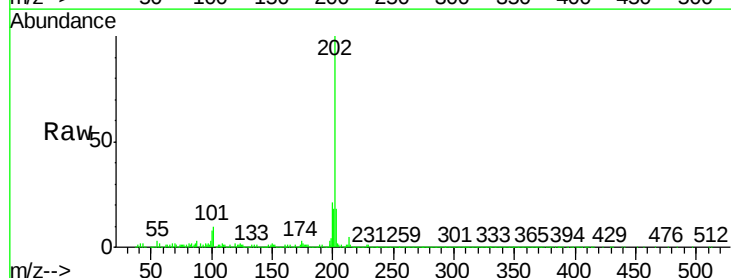
Tgt Ion:202 Resp: 1458077

Ion Ratio Lower Upper

202 100

101 9.6 10.2 15.2#

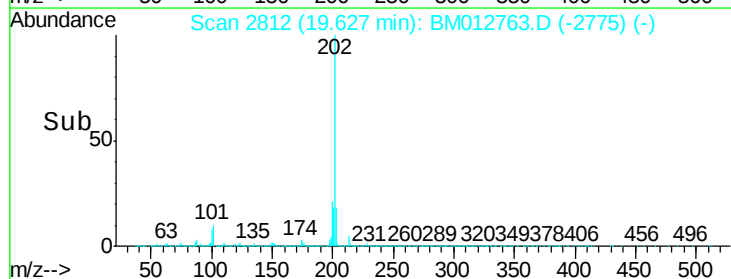
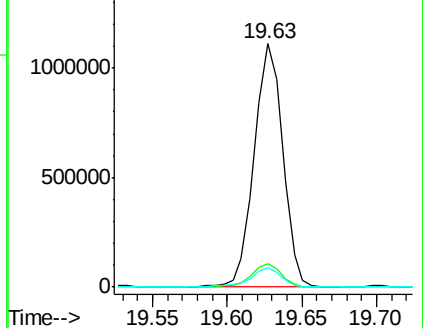
100 8.0 8.5 12.7#

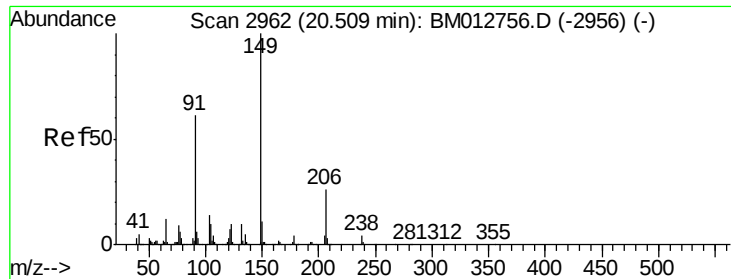


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

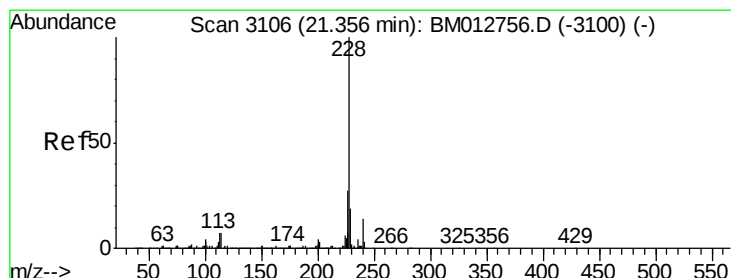
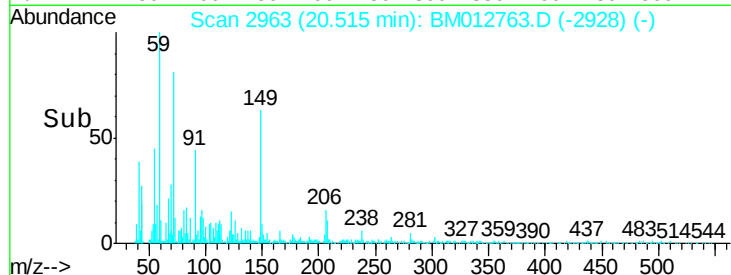
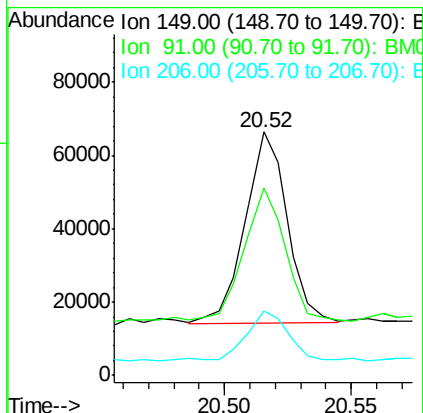
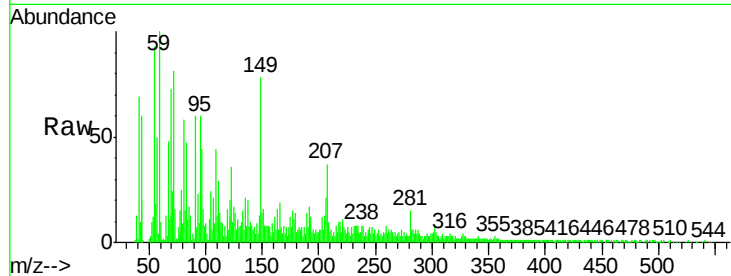




#80
Butylbenzylphthalate
Concen: 4.38 ng/ul
RT: 20.52 min Scan# 2963
Delta R.T. 0.01 min
Lab File: BM012763.D
Acq: 06 Nov 2017 05:47

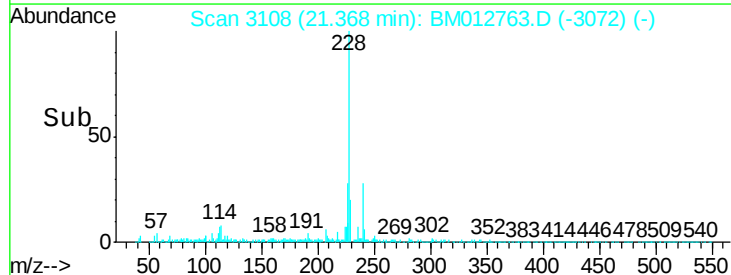
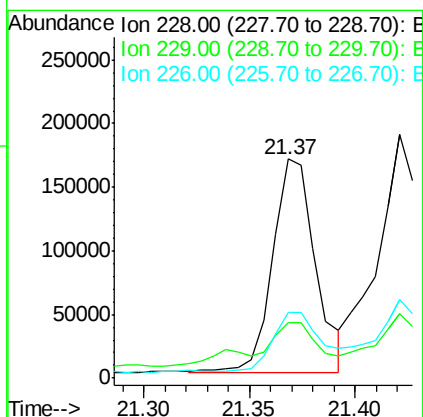
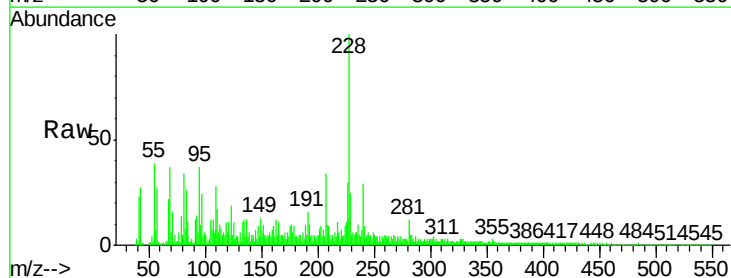
Instrument :
BNA_M
ClientSampleId :
B-19(0-1)-101117MSD

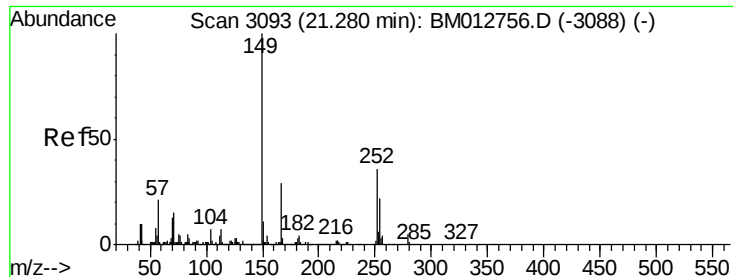
Tot Ion:149 Resp: 60525
Ion Ratio Lower Upper
149 100
91 77.2 53.4 80.2
206 26.3 16.6 24.8#



#82
Benzo(a)anthracene
Concen: 6.17 ng/ul
RT: 21.37 min Scan# 3108
Delta R.T. 0.01 min
Lab File: BM012763.D
Acq: 06 Nov 2017 05:47

Tgt Ion:228 Resp: 237396
Ion Ratio Lower Upper
228 100
229 25.1 15.7 23.5#
226 30.0 21.8 32.6

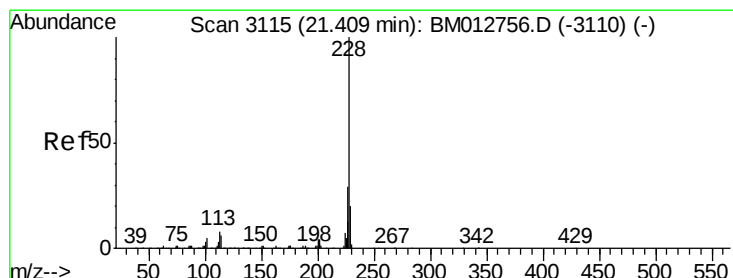
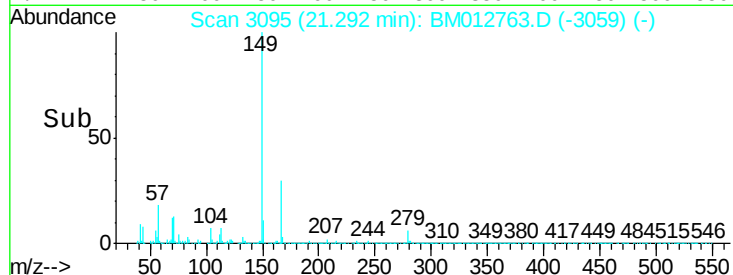
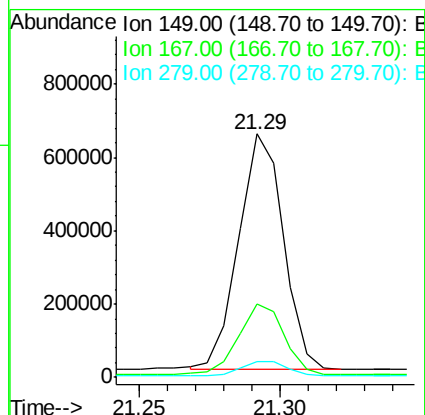
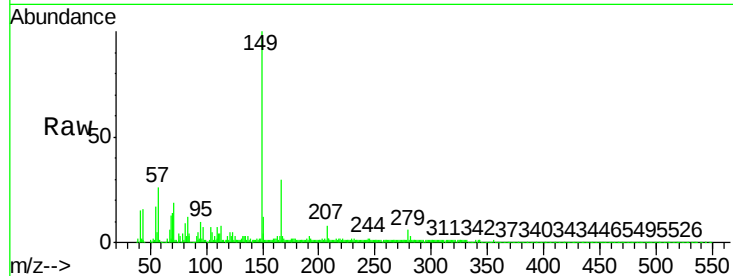




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 34.85 ng/ul
 RT: 21.29 min Scan# 3095
 Delta R.T. 0.01 min
 Lab File: BM012763.D
 Acq: 06 Nov 2017 05:47

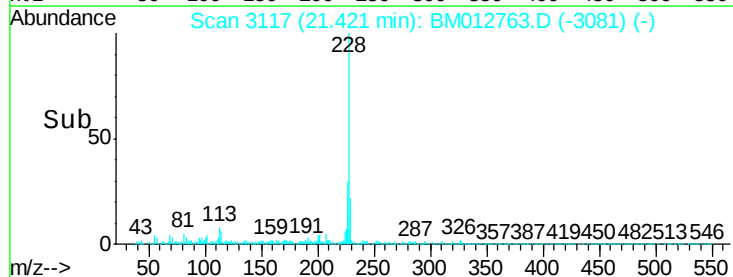
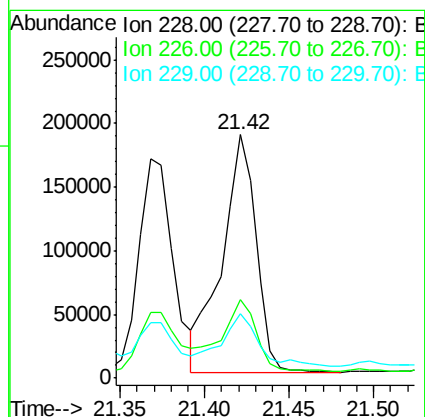
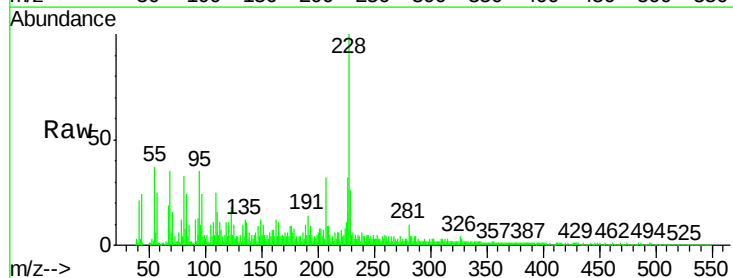
Instrument :
 BNA_M
 ClientSampleId :
 B-19(0-1)-101117MSD

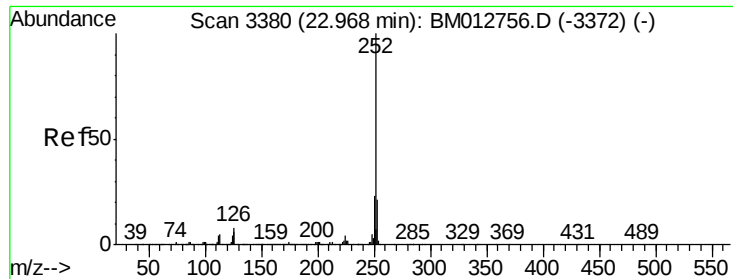
Tot Ion:149 Resp: 702164
 Ion Ratio Lower Upper
 149 100
 167 30.2 21.6 32.4
 279 6.4 3.0 4.4#



#84
 Chrysene
 Concen: 7.55 ng/ul
 RT: 21.42 min Scan# 3117
 Delta R.T. 0.01 min
 Lab File: BM012763.D
 Acq: 06 Nov 2017 05:47

Tgt Ion:228 Resp: 263065
 Ion Ratio Lower Upper
 228 100
 226 32.1 24.0 36.0
 229 26.2 15.6 23.4#





#87

Benzo(b)fluoranthene

Concen: 10.10 ng/ul

RT: 23.00 min Scan# 3385

Delta R.T. 0.03 min

Lab File: BM012763.D

Acq: 06 Nov 2017 05:47

Instrument :

BNA_M

ClientSampleId :

B-19(0-1)-101117MSD

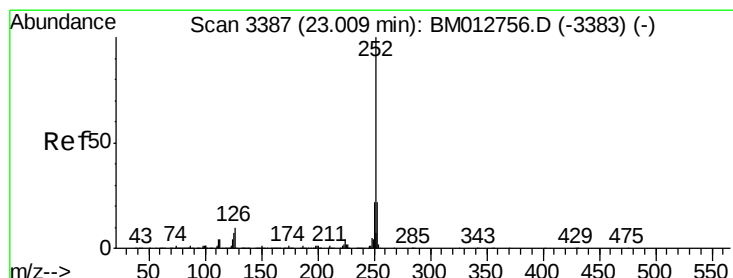
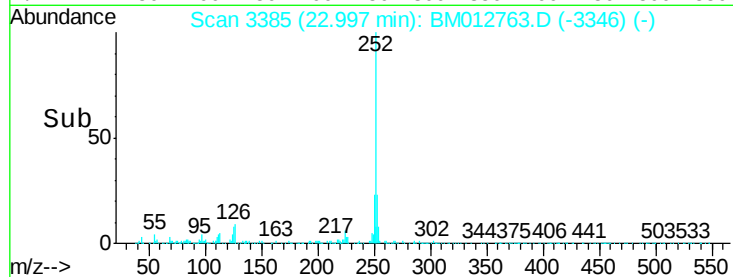
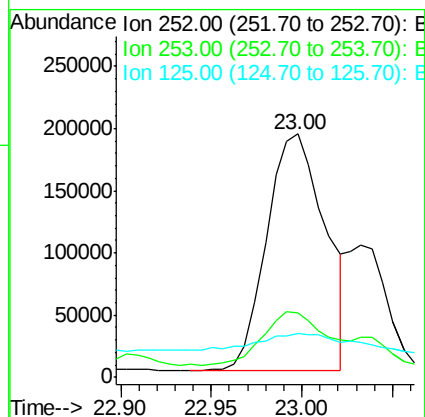
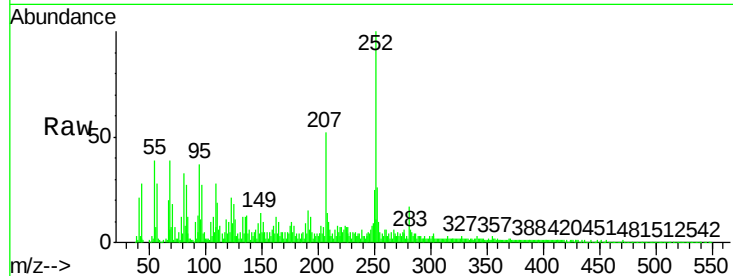
Tot Ion:252 Resp: 429162

Ion Ratio Lower Upper

252 100

253 26.5 17.5 26.3#

125 18.0 8.5 12.7#



#88

Benzo(k)fluoranthene

Concen: 10.63 ng/ul

RT: 23.00 min Scan# 3385

Delta R.T. -0.01 min

Lab File: BM012763.D

Acq: 06 Nov 2017 05:47

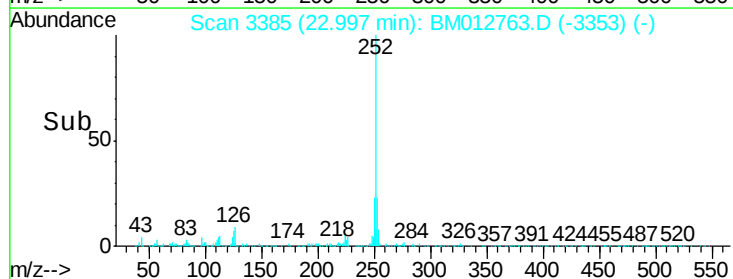
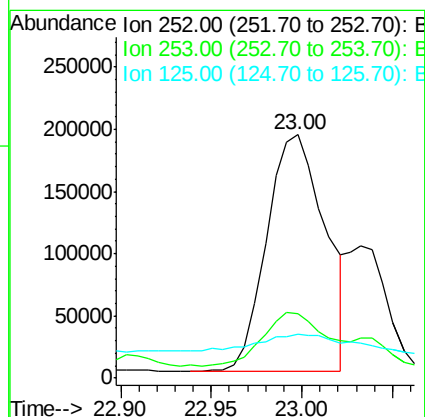
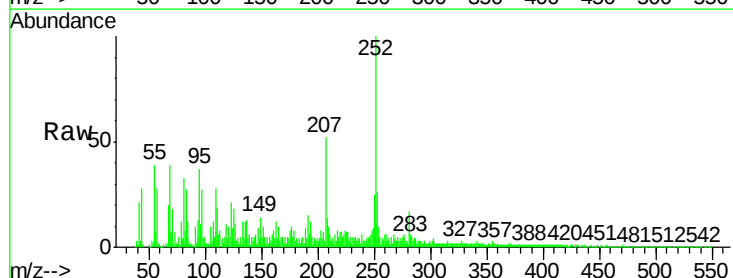
Tgt Ion:252 Resp: 429162

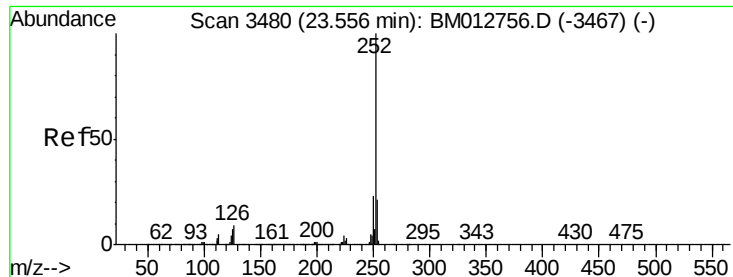
Ion Ratio Lower Upper

252 100

253 26.5 17.3 25.9#

125 18.0 8.2 12.2#





#90

Benzo(a)pyrene

Concen: 6.80 ng/ul

RT: 23.59 min Scan# 3485

Delta R.T. 0.03 min

Lab File: BM012763.D

Acq: 06 Nov 2017 05:47

Instrument :

BNA_M

ClientSampleId :

B-19(0-1)-101117MSD

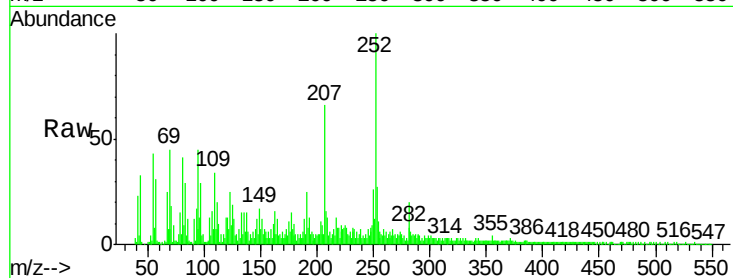
Tot Ion:252 Resp: 274804

Ion Ratio Lower Upper

252 100

253 26.7 17.2 25.8#

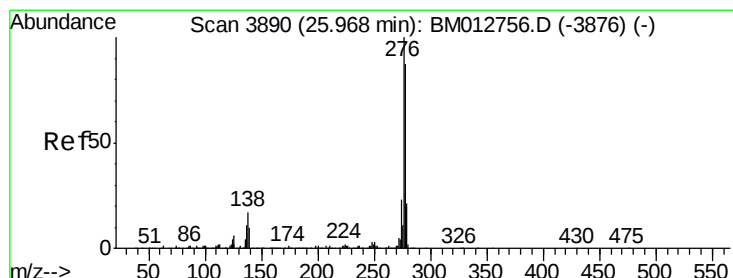
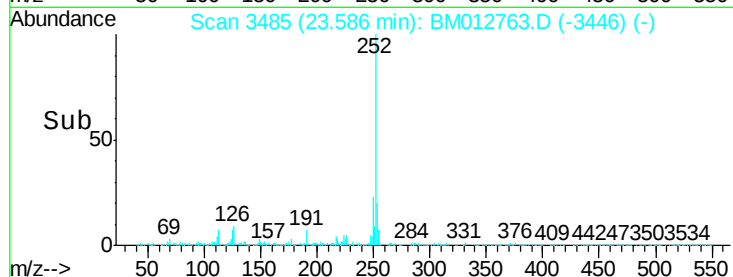
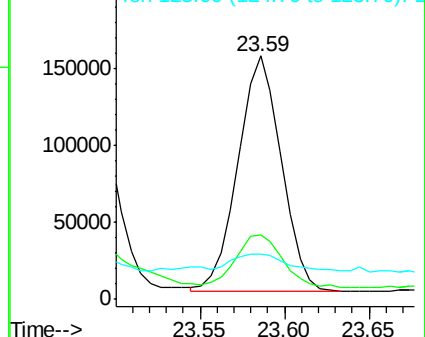
125 18.6 9.0 13.6#



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: 5.23 ng/ul

RT: 26.02 min Scan# 3899

Delta R.T. 0.05 min

Lab File: BM012763.D

Acq: 06 Nov 2017 05:47

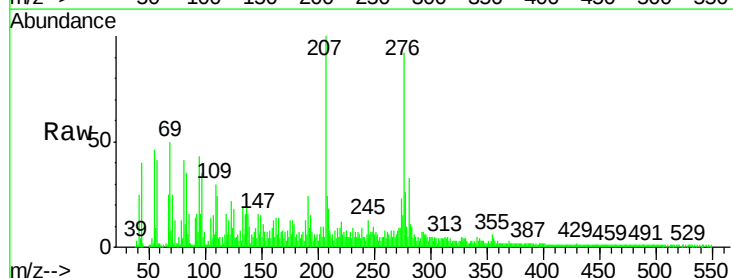
Tgt Ion:276 Resp: 254634

Ion Ratio Lower Upper

276 100

138 17.6 22.3 33.5#

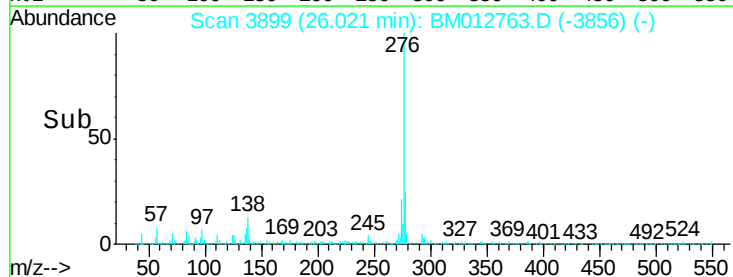
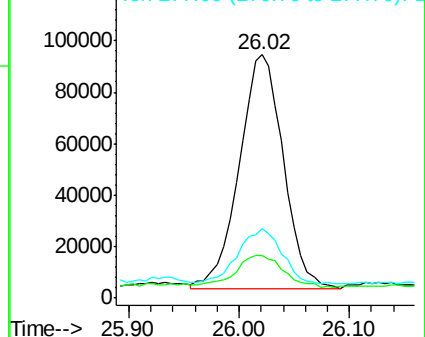
277 28.7 20.2 30.2

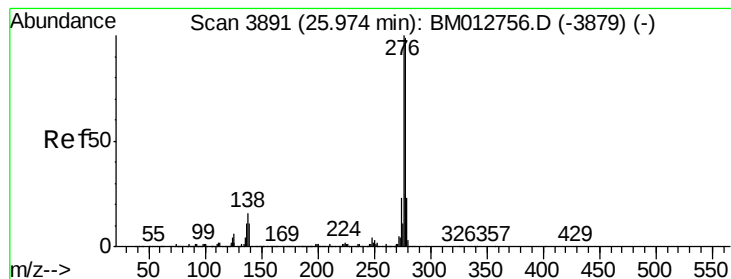


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 1.52 ng/ul

RT: 26.02 min Scan# 3899

Delta R.T. 0.05 min

Lab File: BM012763.D

Acq: 06 Nov 2017 05:47

Instrument :

BNA_M

ClientSampleId :

B-19(0-1)-101117MSD

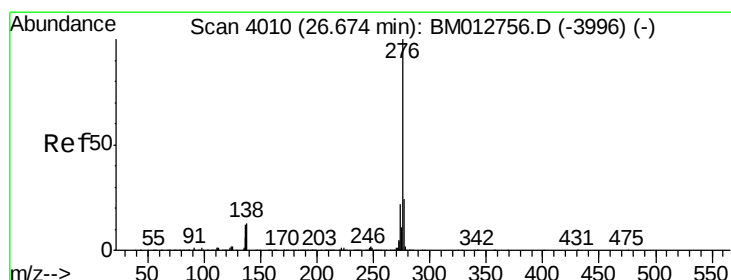
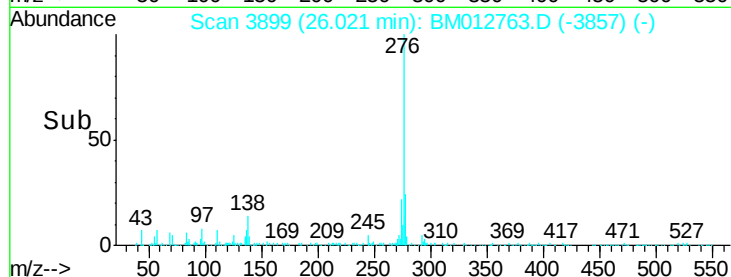
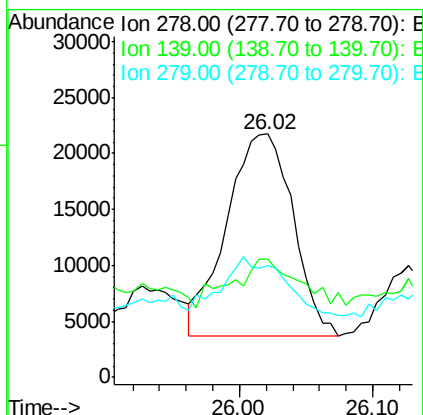
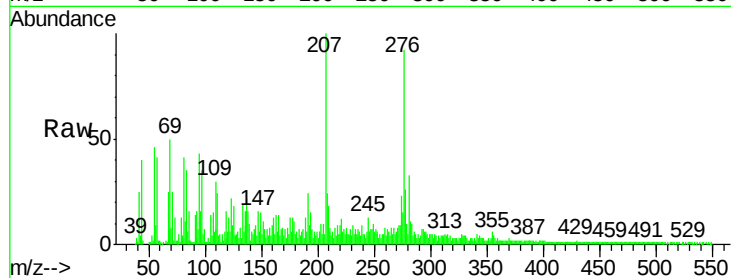
Tot Ion:278 Resp: 62603

Ion Ratio Lower Upper

278 100

139 48.7 13.9 20.9#

279 45.7 19.0 28.4#



#93

Benzo(g,h,i)perylene

Concen: 5.96 ng/ul

RT: 26.74 min Scan# 4021

Delta R.T. 0.06 min

Lab File: BM012763.D

Acq: 06 Nov 2017 05:47

Tgt Ion:276 Resp: 239279

Ion Ratio Lower Upper

276 100

138 17.7 18.9 28.3#

277 29.1 19.2 28.8#

