

Data Path : Z:\HPCHEM1\BNA M\DATA\BM110517\
 Data File : BM012761.D
 Acq On : 06 Nov 2017 04:35
 Operator : SJ/JU
 Sample : I5825-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

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

Quant Time: Nov 06 07:24:07 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	113290	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	483387	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	322610	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.20	188	779606	20.00	ng/ul	0.00
77) Chrysene-d12	21.38	240	666812	20.00	ng/ul	0.00
85) Perylene-d12	23.68	264	698432	20.00	ng/ul	0.02

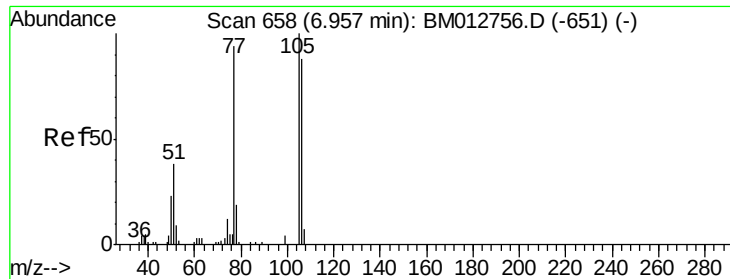
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.30	96	10217	4.87	ng/uL	0.00
5) Phenol-d5	6.99	99	283167	33.59	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	148460	32.50	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	231091	32.91	ng/ul	0.00
13) 4-Methylphenol-d8	8.52	113	260564	35.81	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	121637	34.06	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	123506	30.22	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.23	165	267861	31.97	ng/ul	0.00
29) 4-Chloroaniline-d4	10.74	131	179004	22.14	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	927923	34.76	ng/ul	0.00
46) Acenaphthylene-d8	14.15	160	1183660	35.85	ng/ul	0.00
51) 4-Nitrophenol-d4	14.68	143	4859	1.14	ng/ul	0.02
57) Fluorene-d10	15.44	176	871437	38.11	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.59	200	1363	0.26	ng/ul	0.01
70) Anthracene-d10	17.30	188	1378205	36.59	ng/ul	0.00
78) Pyrene-d10	19.59	212	1349573	43.62	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.53	264	1237328	37.47	ng/ul	0.02

Target Compounds

					Ovalue
4) Benzaldehyde	6.96	77	6513	1.45 ng/ul#	89
6) Phenol	7.02	94	49557	5.73 ng/ul	98
15) N-Nitroso-di-n-propylamine	8.53	70	6603	1.25 ng/ul#	1
44) Dimethylphthalate	13.90	163	467727	17.66 ng/ul	99
47) Acenaphthylene	14.17	152	46071	1.44 ng/ul	97
69) Phenanthrene	17.24	178	475958	11.17 ng/ul	100
71) Anthracene	17.33	178	90496	2.05 ng/ul	99
74) Carbazole	17.60	167	52245	1.42 ng/ul	98
75) Di-n-butylphthalate	18.16	149	163343	3.78 ng/ul	99
79) Pyrene	19.62	202	854404	21.48 ng/ul#	92
80) Butylbenzylphthalate	20.52	149	23366	1.61 ng/ul#	81
82) Benzo(a)anthracene	21.37	228	393683	9.76 ng/ul	94
83) Bis(2-ethylhexyl)phthalate	21.29	149	829476	39.25 ng/ul#	94
84) Chrysene	21.37	228	393683	10.77 ng/ul	97
87) Benzo(b)fluoranthene	22.99	252	684477	16.04 ng/ul#	91
88) Benzo(k)fluoranthene	22.99	252	684477	16.87 ng/ul#	91
90) Benzo(a)pyrene	23.58	252	437026	10.76 ng/ul#	90
91) Indeno(1,2,3-cd)pyrene	26.01	276	387680	7.92 ng/ul#	86
92) Dibenzo(a,h)anthracene	26.01	278	96667	2.33 ng/ul#	66
93) Benzo(g,h,i)perylene	26.73	276	363765	9.02 ng/ul#	91

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



#4

Benzaldehyde

Concen: 1.45 ng/ul

RT: 6.96 min Scan# 659

Delta R.T. 0.01 min

Lab File: BM012761.D

Acq: 06 Nov 2017 04:35

Instrument :

BNA_M

ClientSampleId :

B-19(0-1)-101117

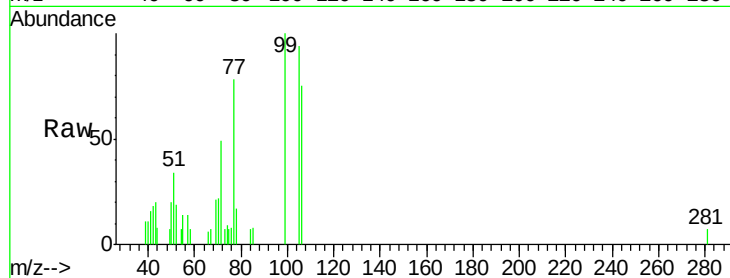
Tot Ion: 77 Resp: 6513

Ion Ratio Lower Upper

77 100

105 121.6 80.6 120.8#

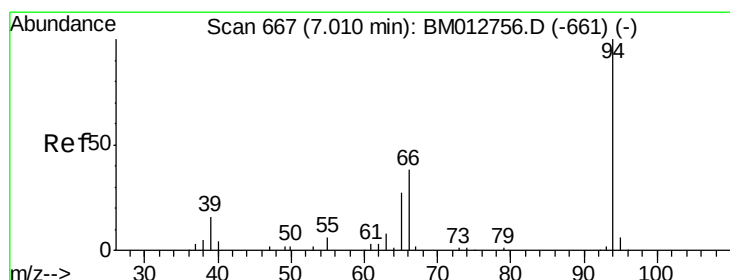
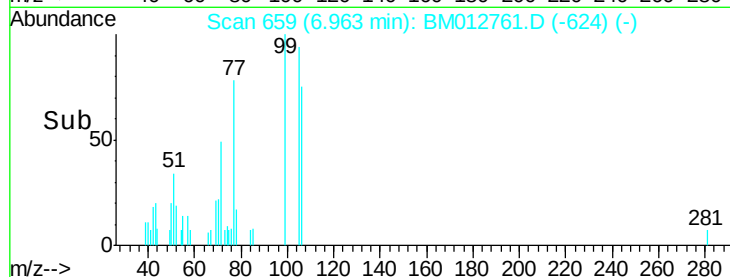
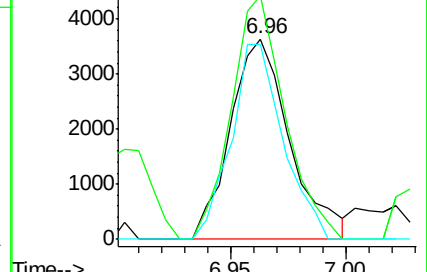
106 97.1 77.7 116.5



Abundance Ion 77.00 (76.70 to 77.70): BM012756.D (-651) (-)

Ion 105.00 (104.70 to 105.70): BM012756.D (-651) (-)

Ion 106.00 (105.70 to 106.70): BM012756.D (-651) (-)



#6

Phenol

Concen: 5.73 ng/ul

RT: 7.02 min Scan# 668

Delta R.T. 0.01 min

Lab File: BM012761.D

Acq: 06 Nov 2017 04:35

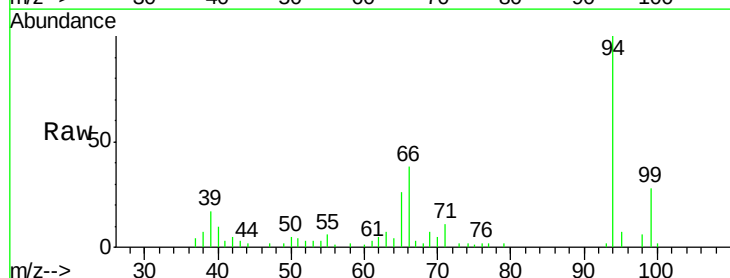
Tgt Ion: 94 Resp: 49557

Ion Ratio Lower Upper

94 100

65 26.0 21.0 31.6

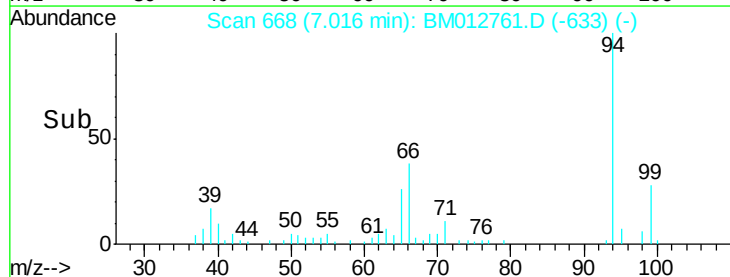
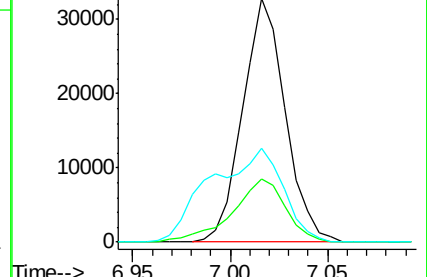
66 38.4 29.3 43.9

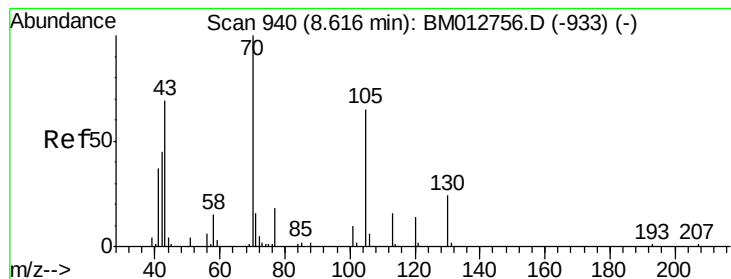


Abundance Ion 94.00 (93.70 to 94.70): BM012756.D (-661) (-)

Ion 65.00 (64.70 to 65.70): BM012756.D (-661) (-)

Ion 66.00 (65.70 to 66.70): BM012756.D (-661) (-)





#15

N-Nitroso-di-n-propylamine

Concen: 1.25 ng/ul

RT: 8.53 min Scan# 925

Delta R.T. -0.09 min

Lab File: BM012761.D

Acq: 06 Nov 2017 04:35

Instrument :

BNA_M

ClientSampleId :

B-19(0-1)-101117

Tot Ion: 70 Resp: 6603

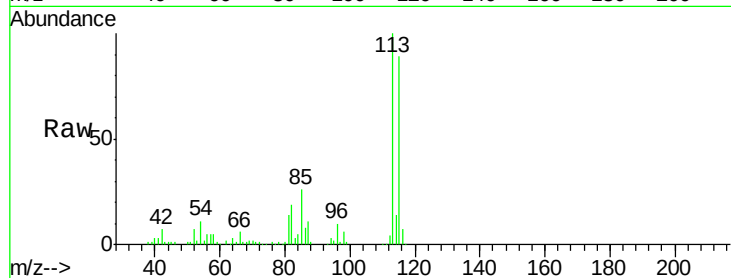
Ion Ratio Lower Upper

70 100

42 290.5 35.4 53.0#

101 0.0 8.4 12.6#

130 0.0 18.2 27.4#

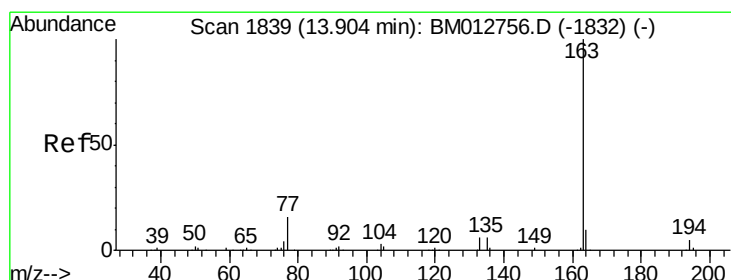
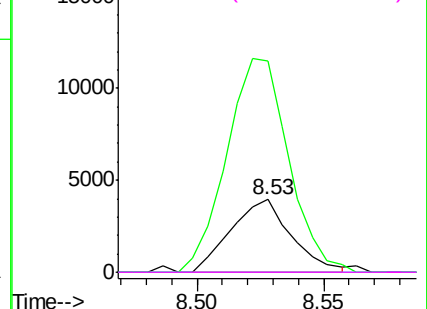
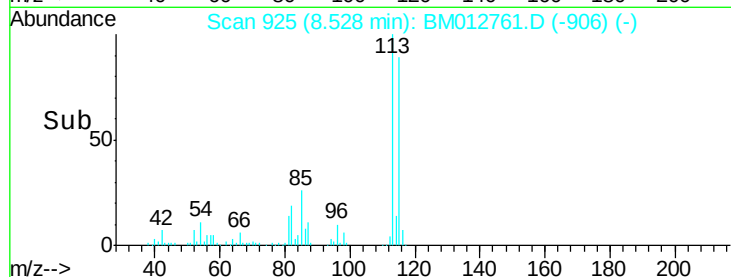


Abundance Ion 70.00 (69.70 to 70.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#44

Dimethylphthalate

Concen: 17.66 ng/ul

RT: 13.90 min Scan# 1839

Delta R.T. 0.00 min

Lab File: BM012761.D

Acq: 06 Nov 2017 04:35

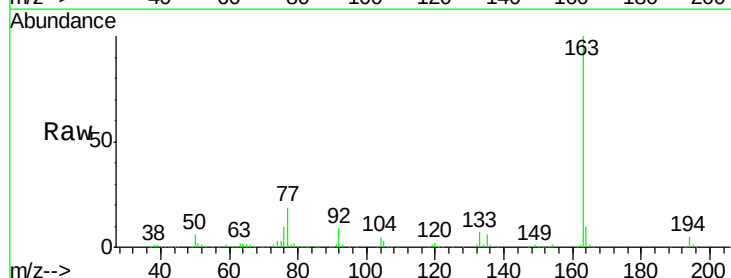
Tgt Ion:163 Resp: 467727

Ion Ratio Lower Upper

163 100

194 4.5 3.2 4.8

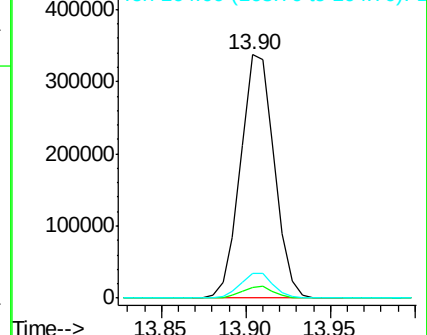
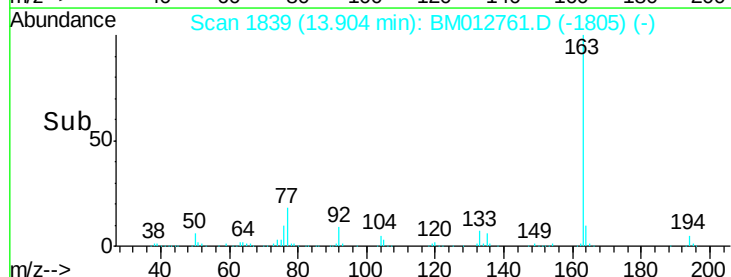
164 10.2 7.8 11.8

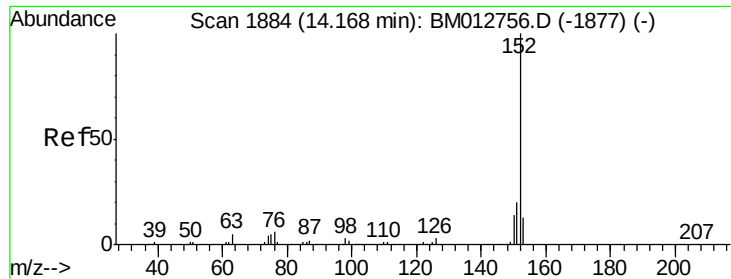


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#47

Acenaphthylene

Concen: 1.44 ng/ul

RT: 14.17 min Scan# 1885

Delta R.T. 0.01 min

Lab File: BM012761.D

Acq: 06 Nov 2017 04:35

Instrument :

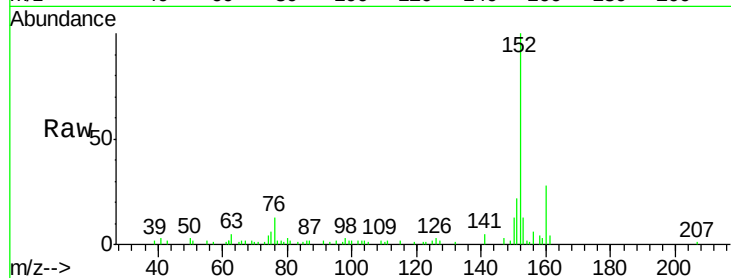
BNA_M

ClientSampleId :

B-19(0-1)-101117

Tot Ion:152 Resp: 46071

Ion	Ratio	Lower	Upper
152	100		
151	22.0	15.7	23.5
153	13.1	10.5	15.7

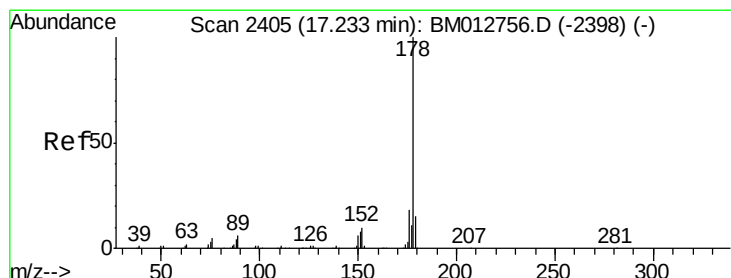
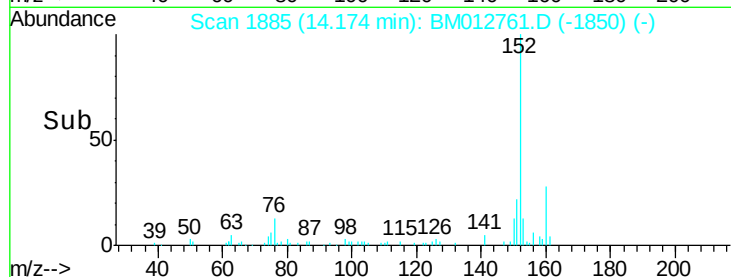
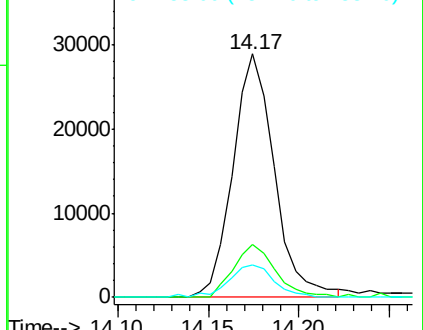


Abundance

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



#69

Phenanthrene

Concen: 11.17 ng/ul

RT: 17.24 min Scan# 2406

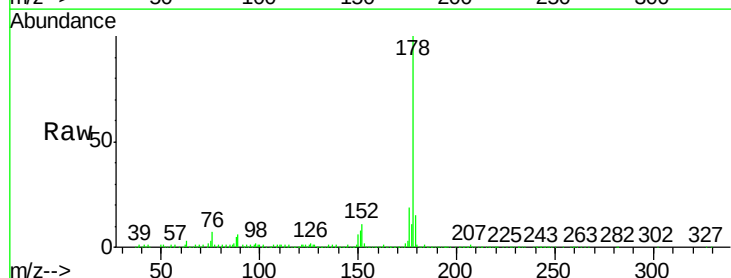
Delta R.T. 0.01 min

Lab File: BM012761.D

Acq: 06 Nov 2017 04:35

Tgt Ion:178 Resp: 475958

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.2	18.4
176	19.4	15.6	23.4

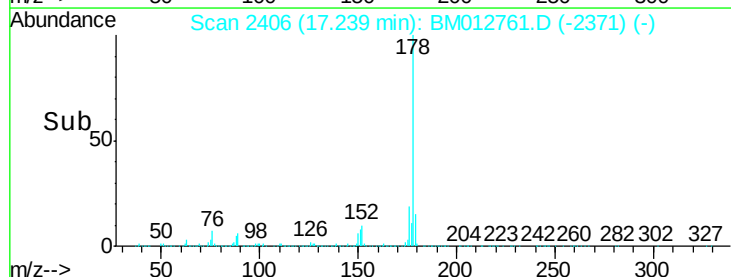
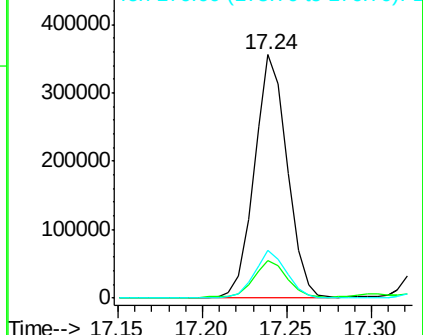


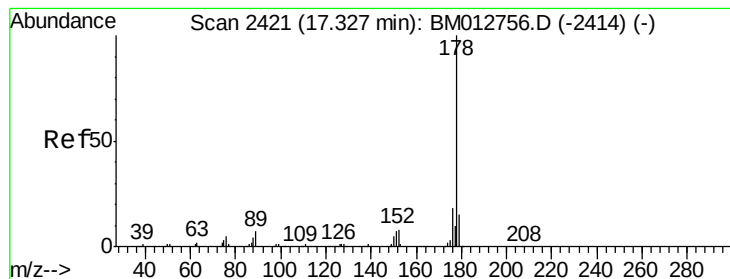
Abundance

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: 2.05 ng/ul

RT: 17.33 min Scan# 2422

Delta R.T. 0.01 min

Lab File: BM012761.D

Acq: 06 Nov 2017 04:35

Instrument :

BNA_M

ClientSampleId :

B-19(0-1)-101117

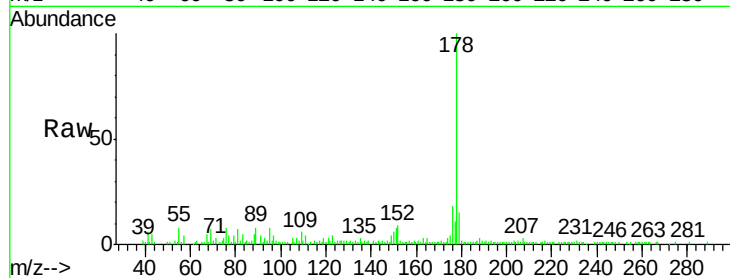
Tot Ion:178 Resp: 90496

Ion Ratio Lower Upper

178 100

179 15.5 12.1 18.1

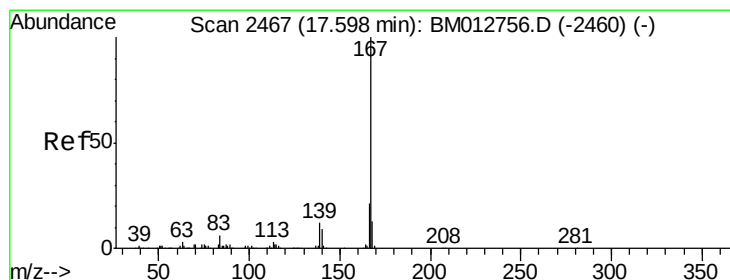
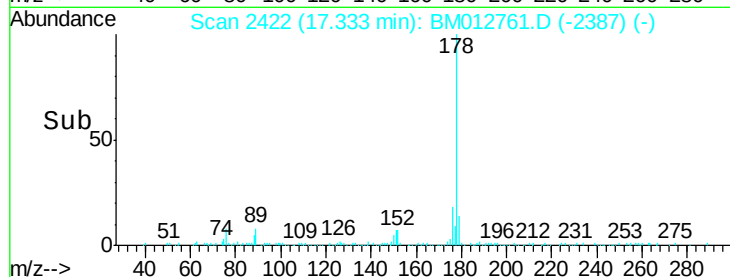
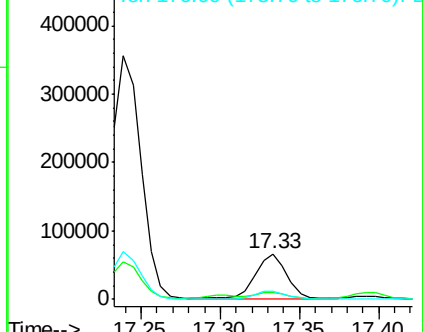
176 18.2 14.8 22.2



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



#74

Carbazole

Concen: 1.42 ng/ul

RT: 17.60 min Scan# 2468

Delta R.T. 0.01 min

Lab File: BM012761.D

Acq: 06 Nov 2017 04:35

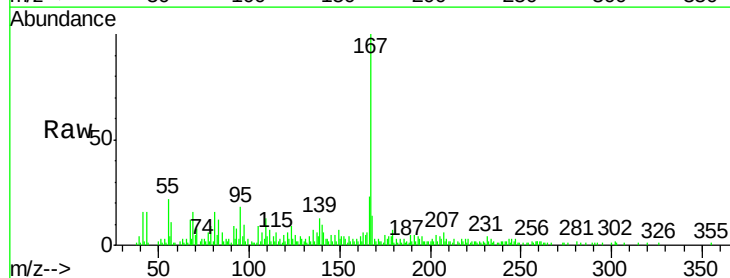
Tgt Ion:167 Resp: 52245

Ion Ratio Lower Upper

167 100

166 22.6 17.0 25.6

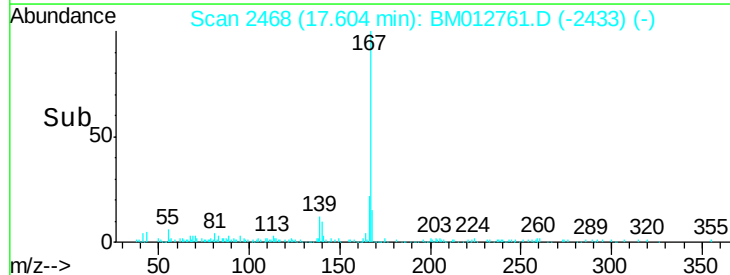
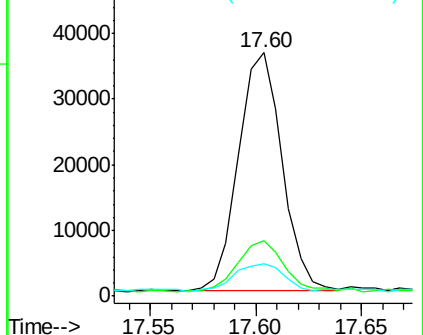
139 13.4 11.0 16.4

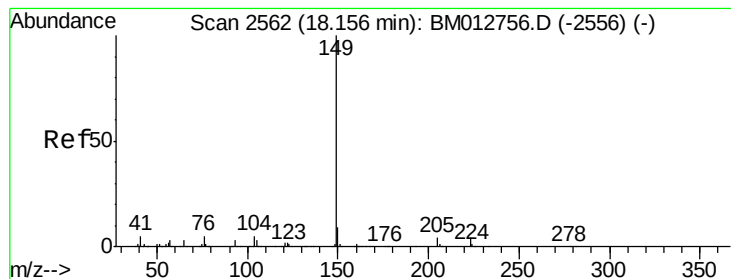


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Di-n-butylphthalate

Concen: 3.78 ng/ul

RT: 18.16 min Scan# 2563

Delta R.T. 0.01 min

Lab File: BM012761.D

Acq: 06 Nov 2017 04:35

Instrument :

BNA_M

ClientSampleId :

B-19(0-1)-101117

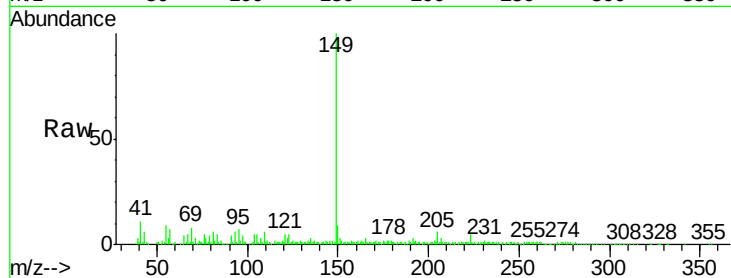
Tot Ion:149 Resp: 163343

Ion Ratio Lower Upper

149 100

150 9.4 7.4 11.0

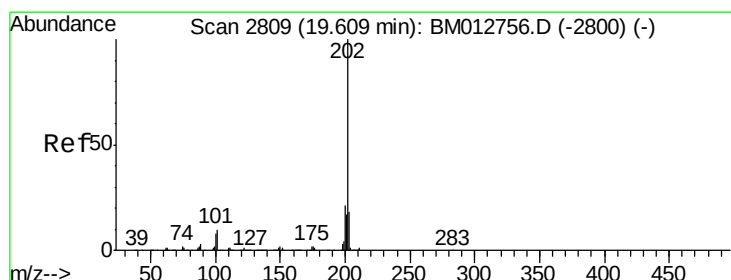
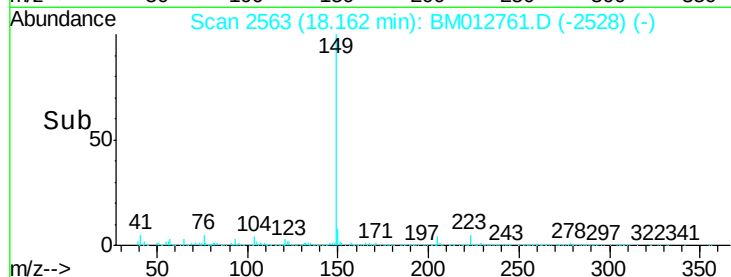
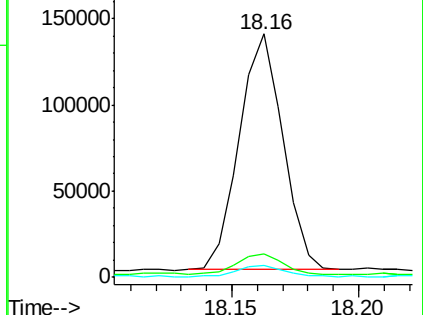
104 4.7 4.0 6.0



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: 21.48 ng/ul

RT: 19.62 min Scan# 2811

Delta R.T. 0.01 min

Lab File: BM012761.D

Acq: 06 Nov 2017 04:35

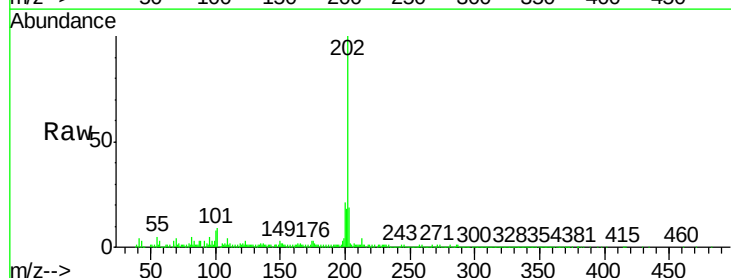
Tgt Ion:202 Resp: 854404

Ion Ratio Lower Upper

202 100

101 9.4 10.2 15.2#

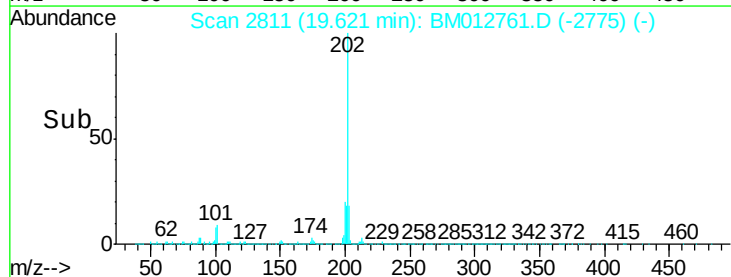
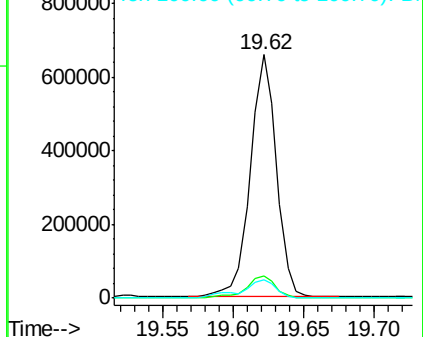
100 7.8 8.5 12.7#

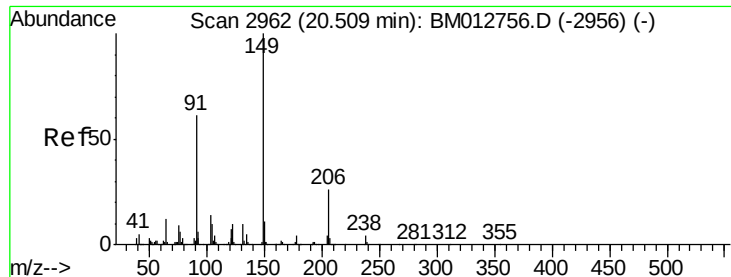


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

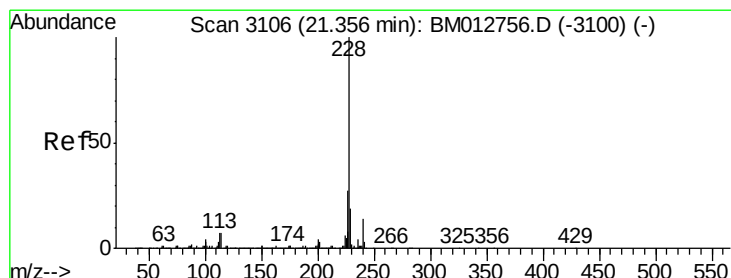
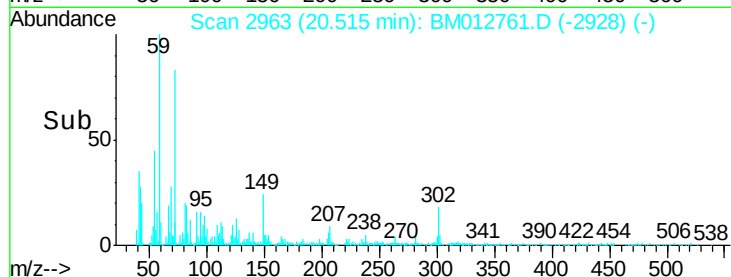
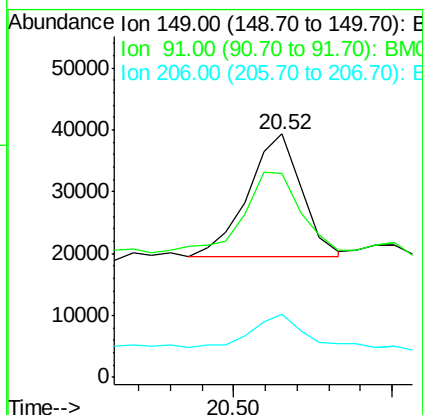
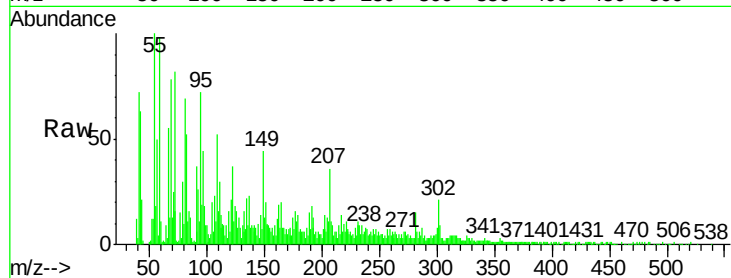




#80
Butylbenzylphthalate
Concen: 1.61 ng/ul
RT: 20.52 min Scan# 2963
Delta R.T. 0.01 min
Lab File: BM012761.D
Acq: 06 Nov 2017 04:35

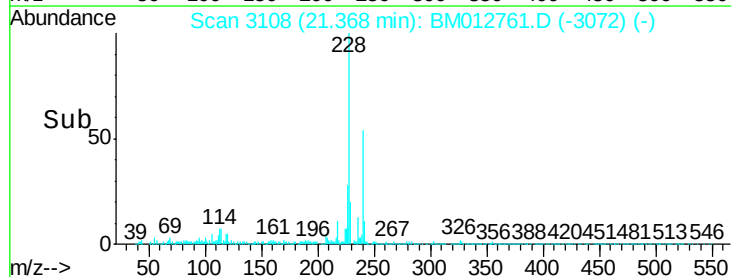
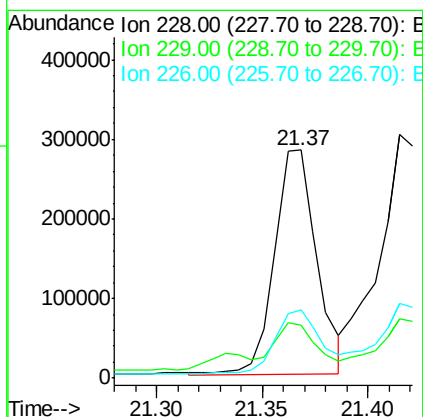
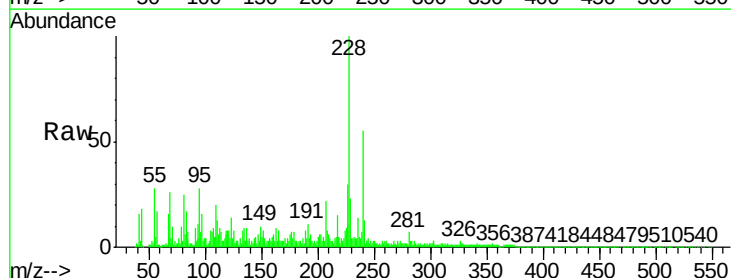
Instrument :
BNA_M
ClientSampleId :
B-19(0-1)-101117

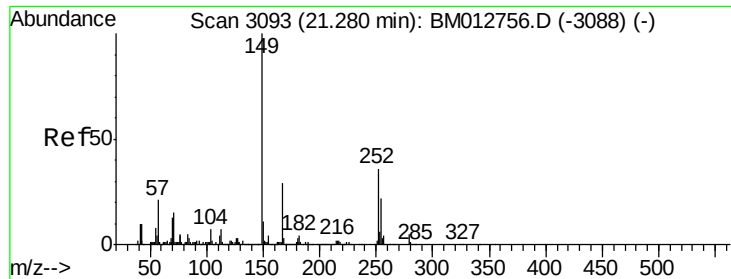
Tot Ion:149 Resp: 23366
Ion Ratio Lower Upper
149 100
91 83.8 53.4 80.2#
206 25.8 16.6 24.8#



#82
Benzo(a)anthracene
Concen: 9.76 ng/ul
RT: 21.37 min Scan# 3108
Delta R.T. 0.01 min
Lab File: BM012761.D
Acq: 06 Nov 2017 04:35

Tgt Ion:228 Resp: 393683
Ion Ratio Lower Upper
228 100
229 23.2 15.7 23.5
226 29.8 21.8 32.6

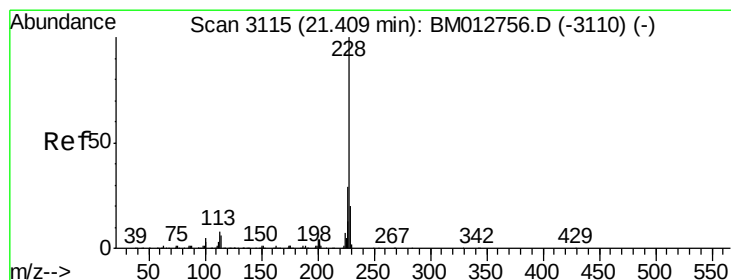
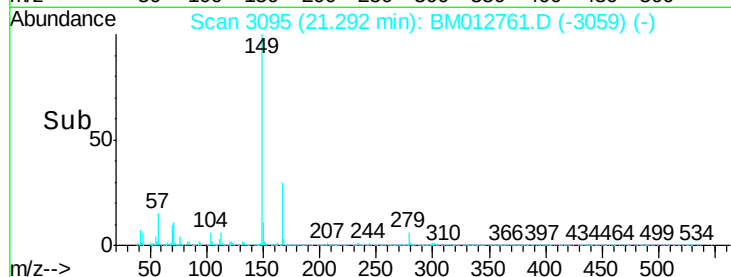
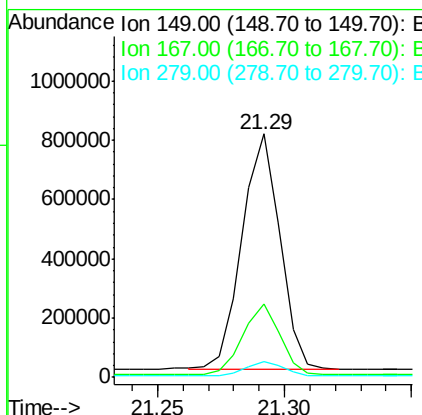
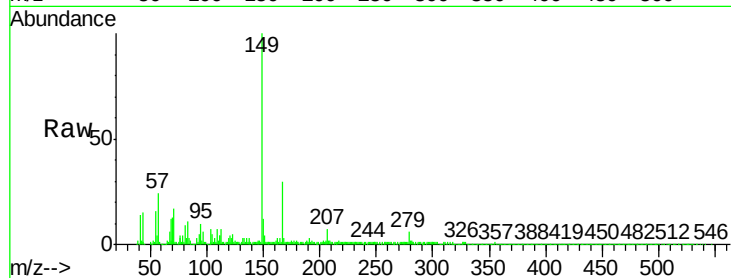




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 39.25 ng/ul
 RT: 21.29 min Scan# 3095
 Delta R.T. 0.01 min
 Lab File: BM012761.D
 Acq: 06 Nov 2017 04:35

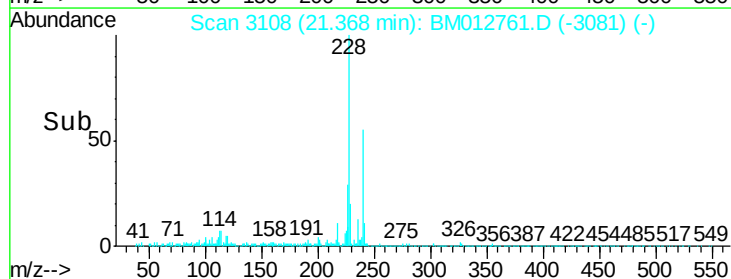
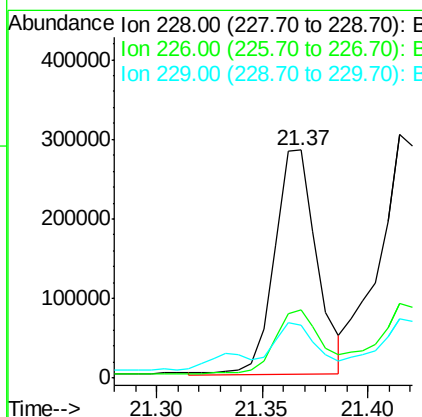
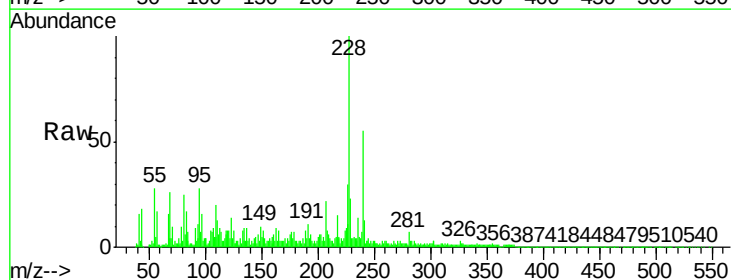
Instrument :
 BNA_M
 ClientSampleId :
 B-19(0-1)-101117

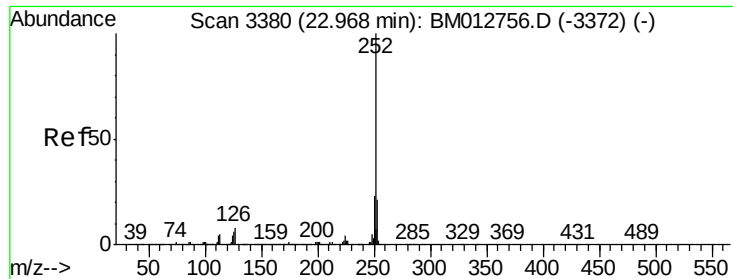
Tot Ion	Ratio	Lower	Upper
149	100		
167	29.9	21.6	32.4
279	6.4	3.0	4.4



#84
 Chrysene
 Concen: 10.77 ng/ul
 RT: 21.37 min Scan# 3108
 Delta R.T. -0.04 min
 Lab File: BM012761.D
 Acq: 06 Nov 2017 04:35

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.0	36.0
229	23.2	15.6	23.4





#87

Benzo(b)fluoranthene

Concen: 16.04 ng/ul

RT: 22.99 min Scan# 3383

Delta R.T. 0.02 min

Lab File: BM012761.D

Acq: 06 Nov 2017 04:35

Instrument :

BNA_M

ClientSampleId :

B-19(0-1)-101117

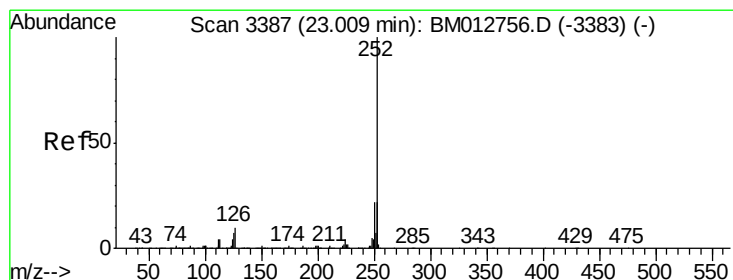
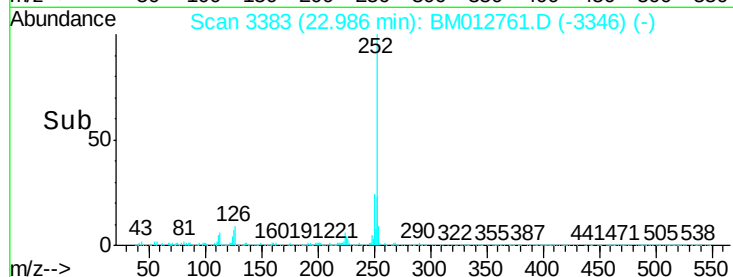
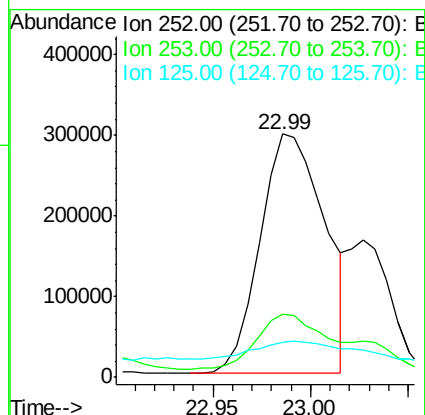
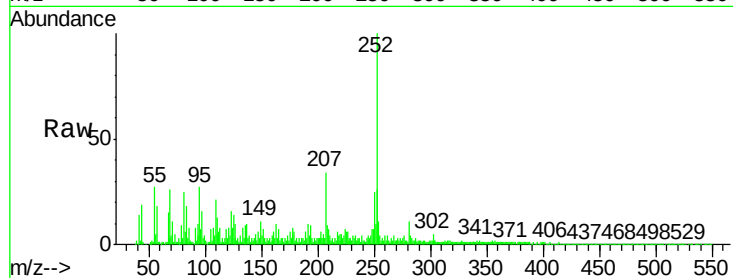
Tot Ion:252 Resp: 684477

Ion Ratio Lower Upper

252 100

253 25.7 17.5 26.3

125 14.3 8.5 12.7#



#88

Benzo(k)fluoranthene

Concen: 16.87 ng/ul

RT: 22.99 min Scan# 3383

Delta R.T. -0.02 min

Lab File: BM012761.D

Acq: 06 Nov 2017 04:35

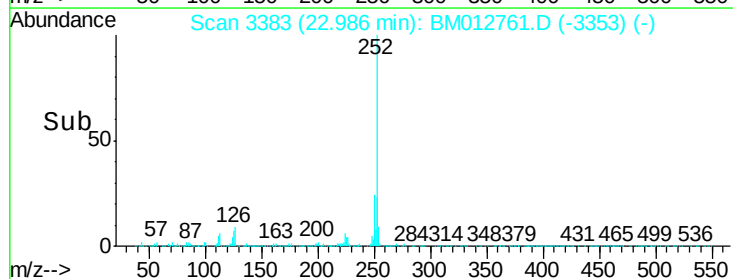
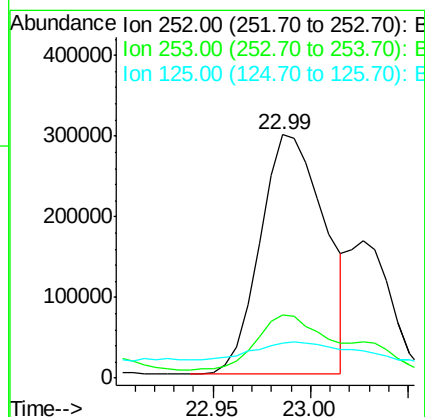
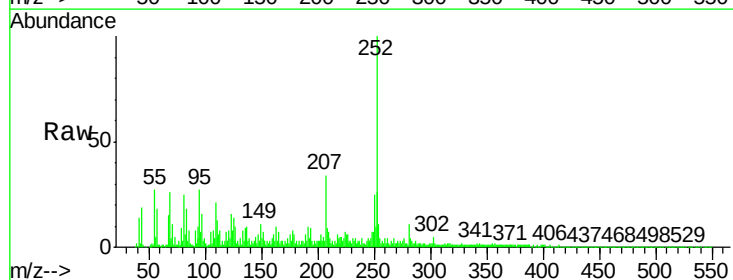
Tgt Ion:252 Resp: 684477

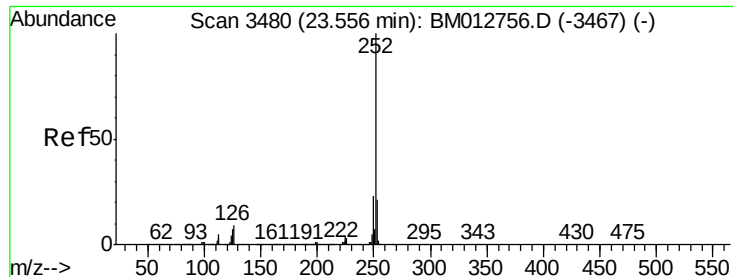
Ion Ratio Lower Upper

252 100

253 25.7 17.3 25.9

125 14.3 8.2 12.2#





#90

Benzo(a)pyrene

Concen: 10.76 ng/ul

RT: 23.58 min Scan# 3484

Delta R.T. 0.02 min

Lab File: BM012761.D

Acq: 06 Nov 2017 04:35

Instrument :

BNA_M

ClientSampleId :

B-19(0-1)-101117

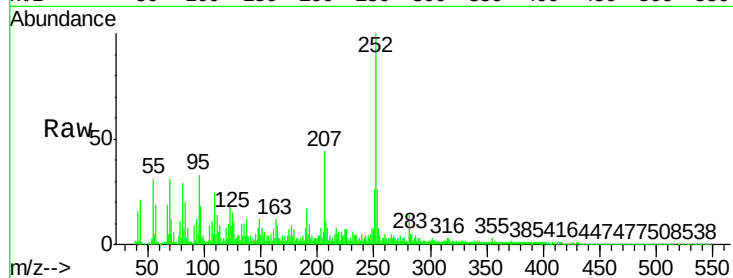
Tot Ion:252 Resp: 437026

Ion Ratio Lower Upper

252 100

253 26.1 17.2 25.8#

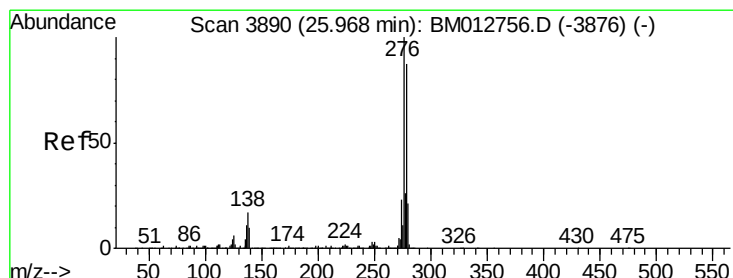
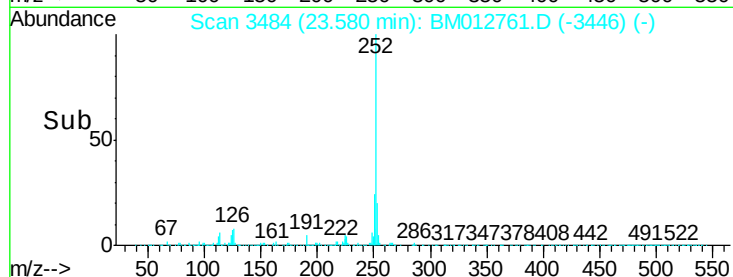
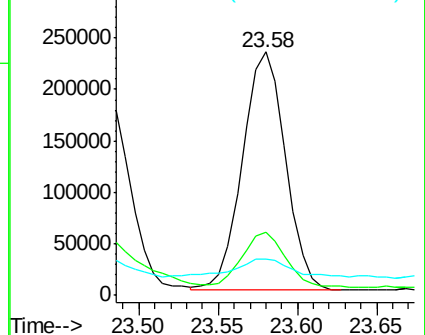
125 15.2 9.0 13.6#



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: 7.92 ng/ul

RT: 26.01 min Scan# 3897

Delta R.T. 0.04 min

Lab File: BM012761.D

Acq: 06 Nov 2017 04:35

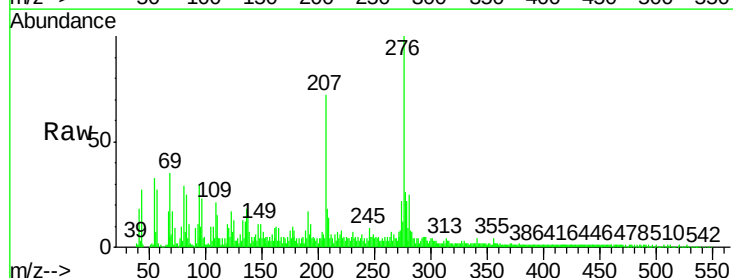
Tgt Ion:276 Resp: 387680

Ion Ratio Lower Upper

276 100

138 15.2 22.3 33.5#

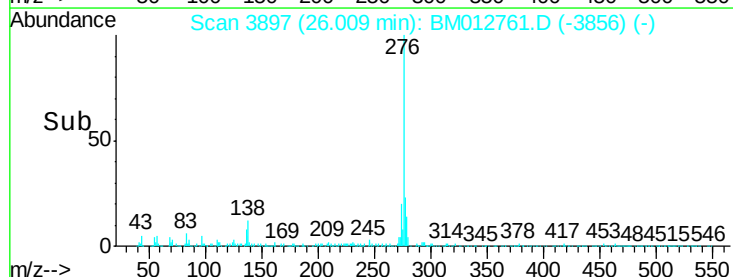
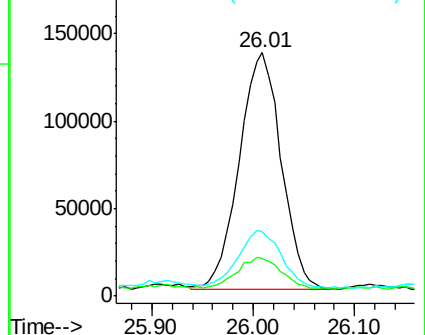
277 26.2 20.2 30.2

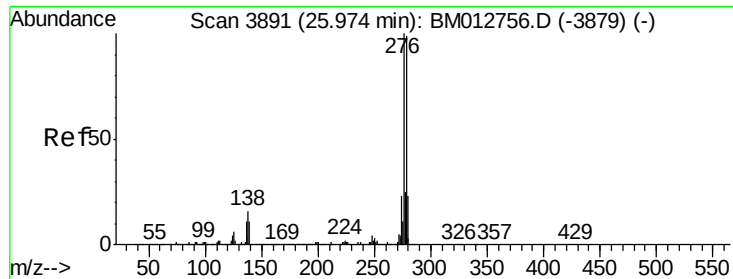


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#92

Dibenzo(a,h)anthracene

Concen: 2.33 ng/ul

RT: 26.01 min Scan# 3897

Delta R.T. 0.04 min

Lab File: BM012761.D

Acq: 06 Nov 2017 04:35

Instrument :

BNA_M

ClientSampleId :

B-19(0-1)-101117

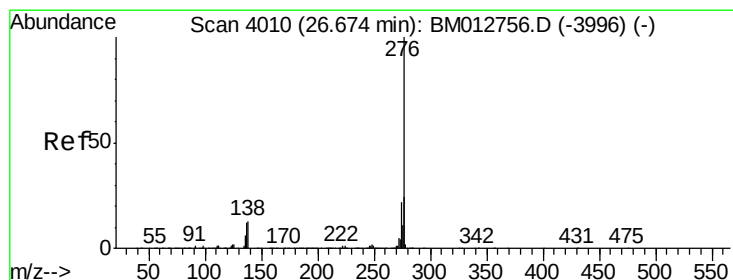
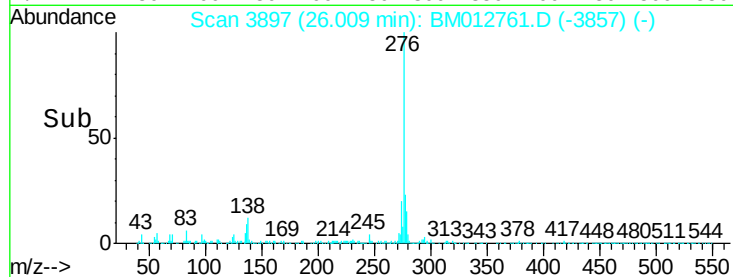
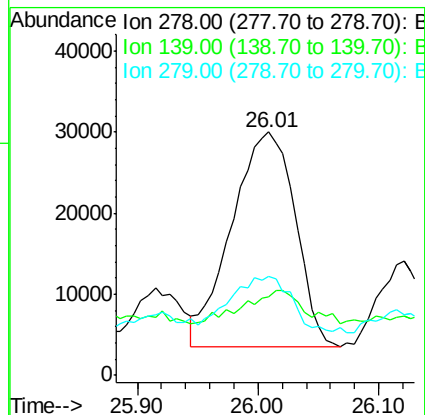
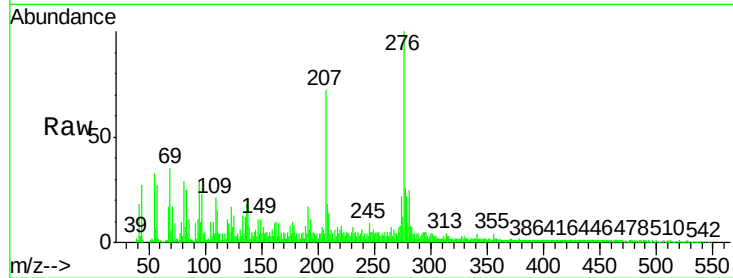
Tot Ion:278 Resp: 96667

Ion Ratio Lower Upper

278 100

139 32.4 13.9 20.9#

279 40.4 19.0 28.4#



#93

Benzo(g,h,i)perylene

Concen: 9.02 ng/ul

RT: 26.73 min Scan# 4019

Delta R.T. 0.05 min

Lab File: BM012761.D

Acq: 06 Nov 2017 04:35

Tgt Ion:276 Resp: 363765

Ion Ratio Lower Upper

276 100

138 16.6 18.9 28.3#

277 26.2 19.2 28.8

