

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101017\
 Data File : BM012061.D
 Acq On : 11 Oct 2017 02:38
 Operator : SJ/JU
 Sample : I5669-14
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 11 03:59:01 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 11 02:39:56 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	306256	20.00	ng/ul	0.00
18) Naphthalene-d8	10.65	136	1338474	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.49	164	814169	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.23	188	1931253	20.00	ng/ul	0.00
75) Chrysene-d12	21.41	240	2302616	20.00	ng/ul	0.00
83) Perylene-d12	23.73	264	1983546	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.26	96	18881	2.92	ng/uL	0.00
5) Phenol-d5	7.00	99	402886	15.29	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.17	67	290835	18.65	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	367323	17.38	ng/ul	0.00
13) 4-Methylphenol-d8	8.55	113	336573	14.78	ng/ul	0.00
19) Nitrobenzene-d5	9.01	128	191861	20.13	ng/ul	0.00
22) 2-Nitrophenol-d4	9.73	143	166805	15.54	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.26	165	359055	16.55	ng/ul	0.00
29) 4-Chloroaniline-d4	10.79	131	90682	3.83	ng/ul	0.00
43) Dimethylphthalate-d6	13.90	166	1250998	17.73	ng/ul	0.00
46) Acenaphthylene-d8	14.18	160	1738855	20.97	ng/ul	0.00
51) 4-Nitrophenol-d4	14.70	143	23348	1.89	ng/ul	0.01
57) Fluorene-d10	15.48	176	1262822	20.28	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.61	200	40186	3.09	ng/ul	0.00
70) Anthracene-d10	17.33	188	1940398	20.39	ng/ul	0.00
76) Pyrene-d10	19.63	212	2391089	23.02	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.58	264	1985287	20.81	ng/ul	0.00

Target Compounds

				Ovalue	
28) Naphthalene	10.69	128	251705	3.749	ng/ul 100
30) 4-Chloroaniline	10.69	127	34238	1.474	ng/ul# 21
34) 2-Methylnaphthalene	12.31	142	79505	1.553	ng/ul 97
44) Dimethylphthalate	13.94	163	390262	5.749	ng/ul 99
49) Acenaphthene	14.55	153	372677	6.699	ng/ul 98
53) Dibenzofuran	14.89	168	245687	3.043	ng/ul 99
58) Fluorene	15.54	166	346860	5.144	ng/ul 99
69) Phenanthrene	17.28	178	3752426	35.323	ng/ul 98
71) Anthracene	17.37	178	822709	7.611	ng/ul 98
72) Carbazole	17.64	167	402620	4.300	ng/ul 98
74) Fluoranthene	19.29	202	5021469	38.741	ng/ul# 90
77) Pyrene	19.66	202	4071079	31.886	ng/ul# 90
80) Benzo(a)anthracene	21.40	228	2422609	18.365	ng/ul 99
81) Bis(2-ethylhexyl)phthalate	21.31	149	77715	1.045	ng/ul 97
82) Chrysene	21.45	228	2264431	18.067	ng/ul 99
85) Benzo(b)fluoranthene	23.03	252	2580280	21.401	ng/ul# 96
86) Benzo(k)fluoranthene	23.03	252	2580280	21.437	ng/ul# 96
88) Benzo(a)pyrene	23.63	252	1604773	13.852	ng/ul# 96
89) Indeno(1,2,3-cd)pyrene	26.09	276	916803	7.395	ng/ul# 94
90) Dibenzo(a,h)anthracene	26.09	278	260428	2.557	ng/ul# 90
91) Benzo(a,h,i)perylene	26.82	276	717137	6.993	ng/ul# 93

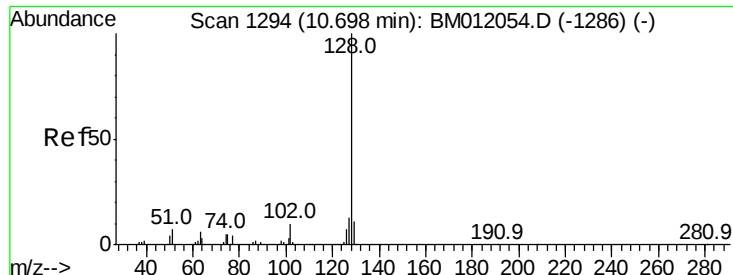
Data Path : Z:\HPCHEM1\BNA M\DATA\BM101017\
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Quant Title : SVOA CALIBRATION
QLast Update : Wed Oct 11 02:39:56 2017
Response via : Initial Calibration

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

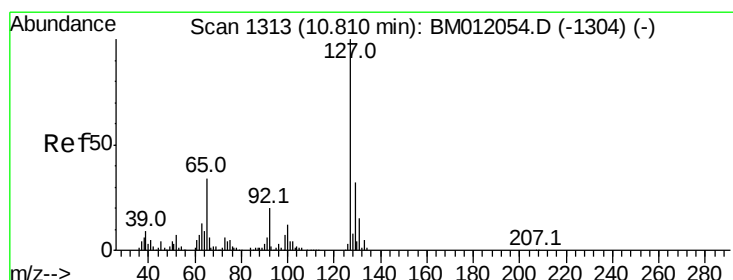
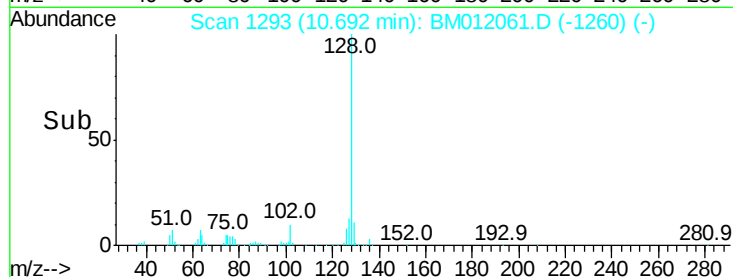
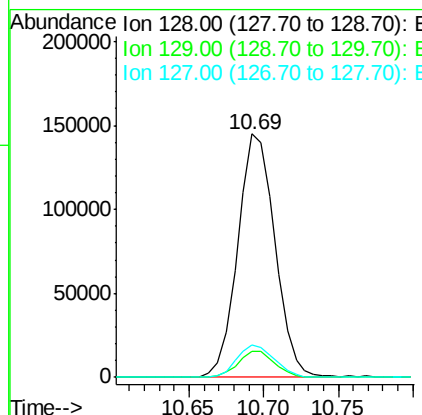
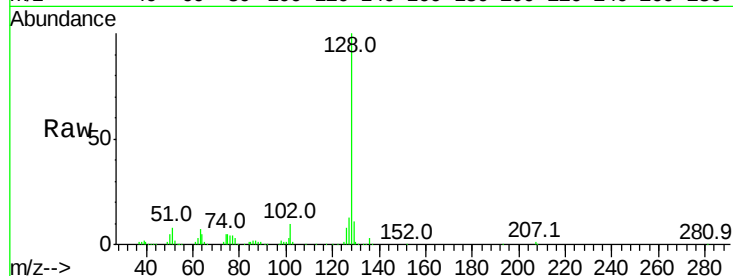
(#)=qualifier out of range (m)=manual integration (+)=signals summed						



#28
Naphthalene
Concen: 3.749 ng/ul
RT: 10.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BM012061.D
Acq: 11 Oct 2017 02:38

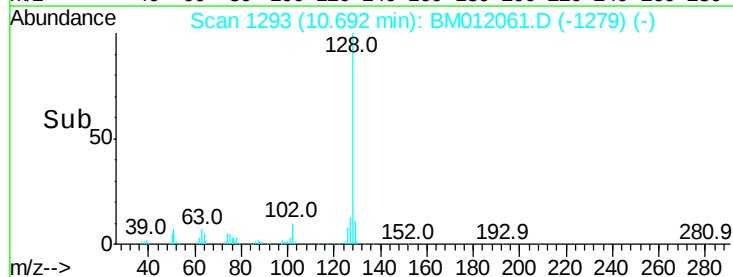
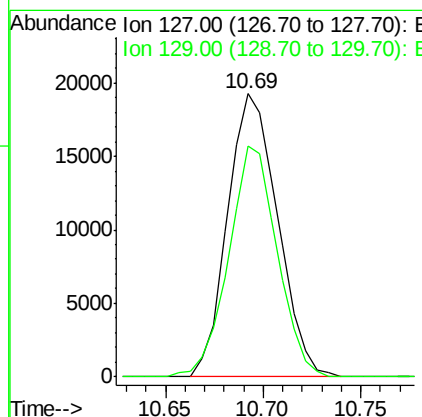
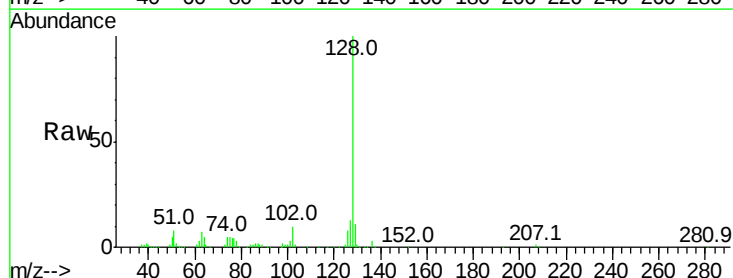
Instrument :
BNA_M
ClientSampleId :

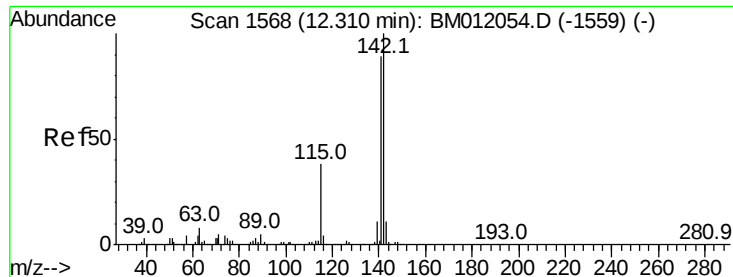
Tot Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	13.3	10.6	16.0



#30
4-Chloroaniline
Concen: 1.474 ng/ul
RT: 10.69 min Scan# 1293
Delta R.T. -0.12 min
Lab File: BM012061.D
Acq: 11 Oct 2017 02:38

Tgt Ion	Ratio	Lower	Upper
127	100		
129	81.4	28.4	42.6

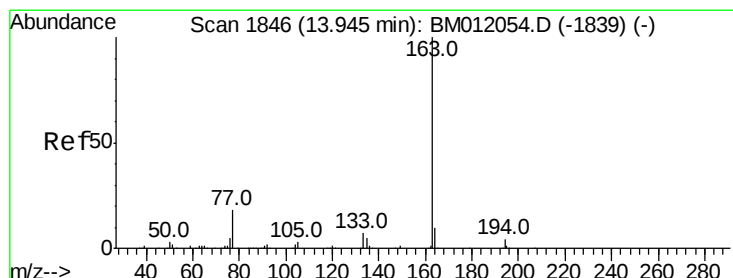
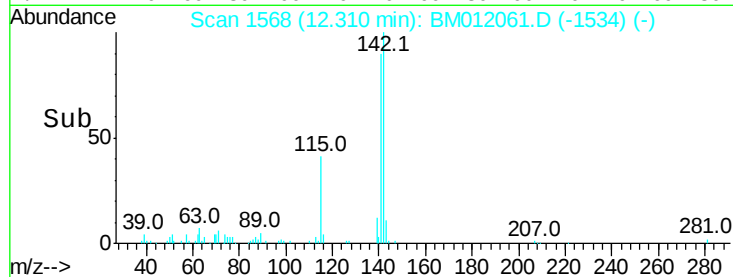
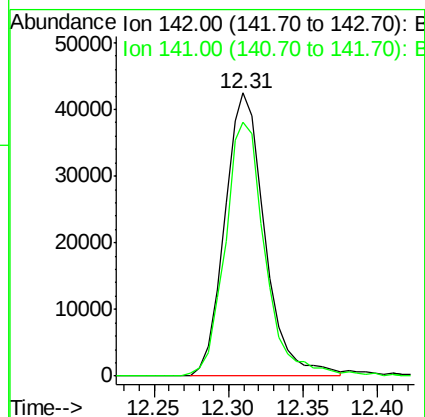
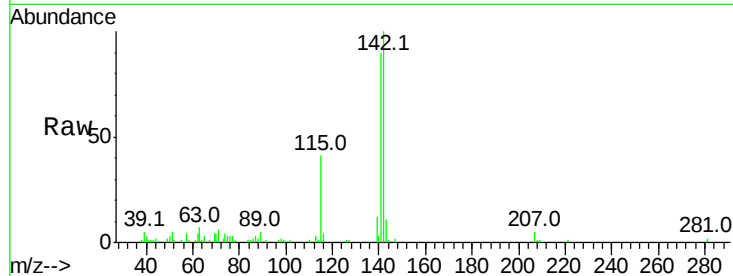




#34
 2-Methylnaphthalene
 Concen: 1.553 ng/ul
 RT: 12.31 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: BM012061.D
 Acq: 11 Oct 2017 02:38

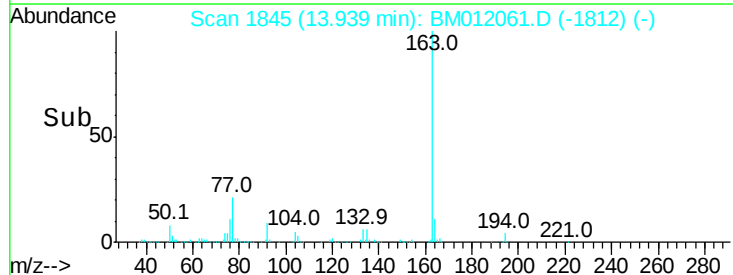
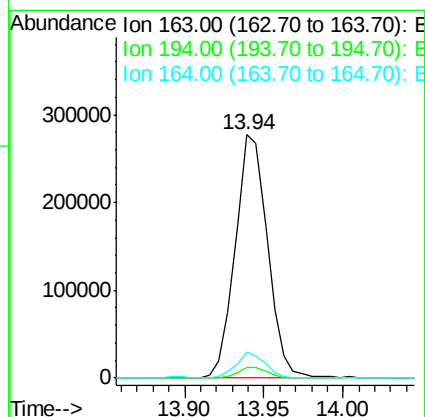
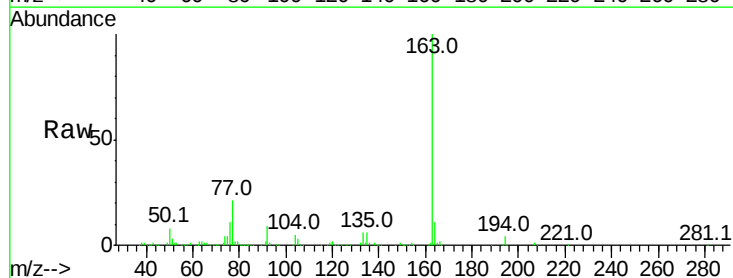
Instrument :
 BNA_M
 ClientSampleId :

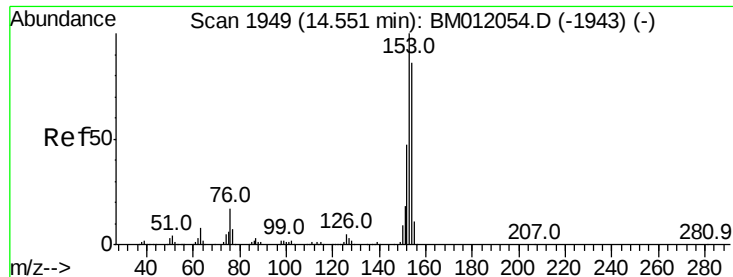
Tot Ion:142 Resp: 79505
 Ion Ratio Lower Upper
 142 100
 141 89.9 74.1 111.1



#44
 Dimethylphthalate
 Concen: 5.749 ng/ul
 RT: 13.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BM012061.D
 Acq: 11 Oct 2017 02:38

Tgt Ion:163 Resp: 390262
 Ion Ratio Lower Upper
 163 100
 194 4.3 3.5 5.3
 164 10.6 8.2 12.4





#49

Acenaphthene

Concen: 6.699 ng/ul

RT: 14.55 min Scan# 1949

Delta R.T. -0.00 min

Lab File: BM012061.D

Acq: 11 Oct 2017 02:38

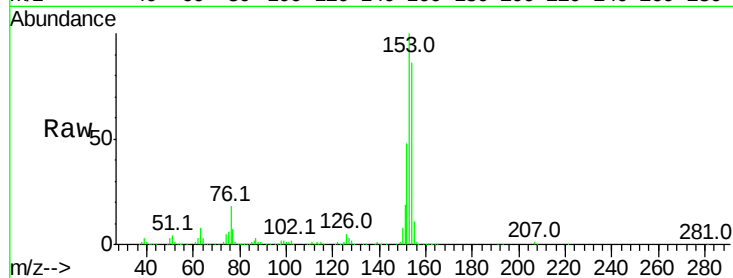
Instrument :

BNA_M

ClientSampleId :

Tot Ion:153 Resp: 372677

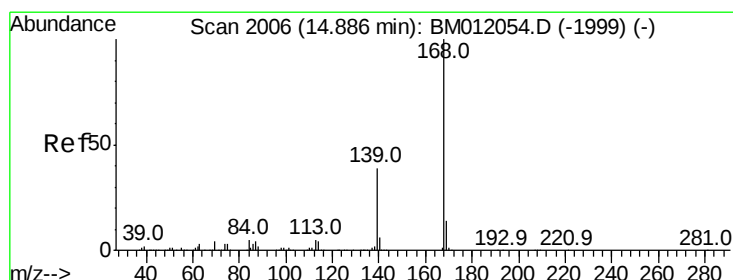
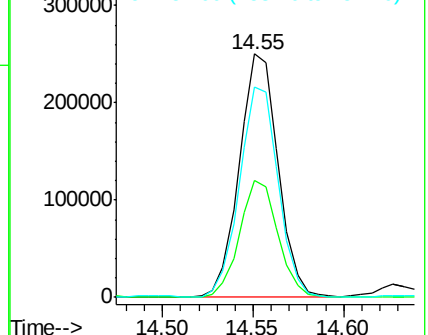
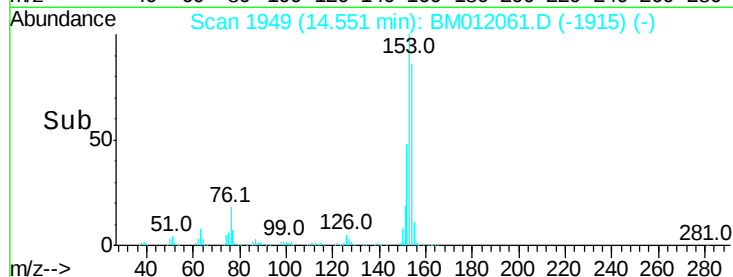
Ion	Ratio	Lower	Upper
153	100		
152	48.1	37.6	56.4
154	86.4	70.4	105.6



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: 3.043 ng/ul

RT: 14.89 min Scan# 2006

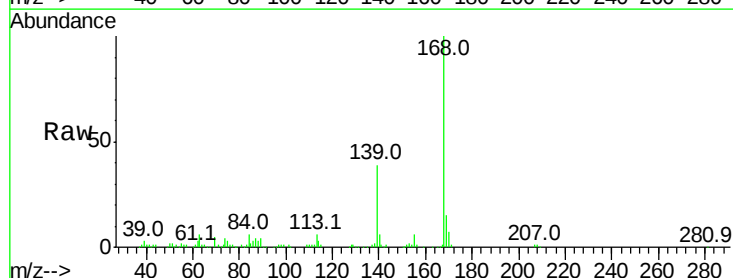
Delta R.T. -0.00 min

Lab File: BM012061.D

Acq: 11 Oct 2017 02:38

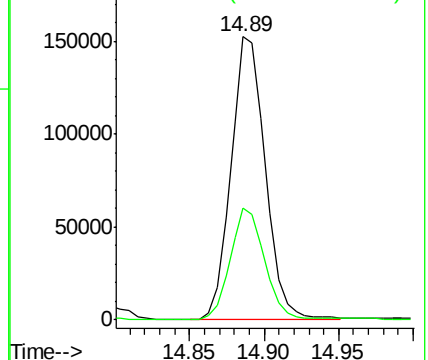
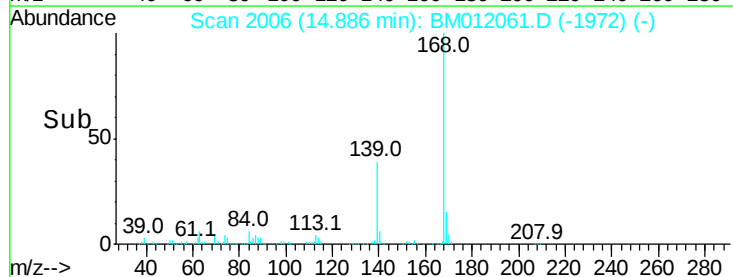
Tgt Ion:168 Resp: 245687

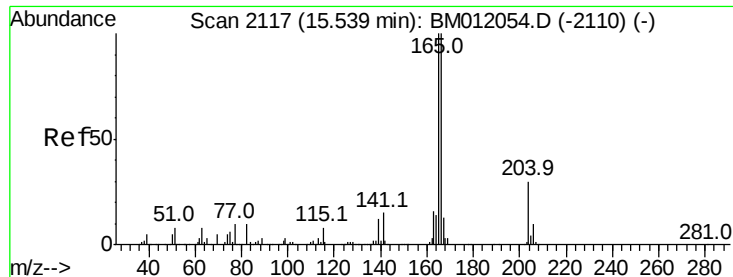
Ion	Ratio	Lower	Upper
168	100		
139	39.3	30.8	46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 5.144 ng/ul

RT: 15.54 min Scan# 2117

Delta R.T. -0.00 min

Lab File: BM012061.D

Acq: 11 Oct 2017 02:38

Instrument :

BNA_M

ClientSampleId :

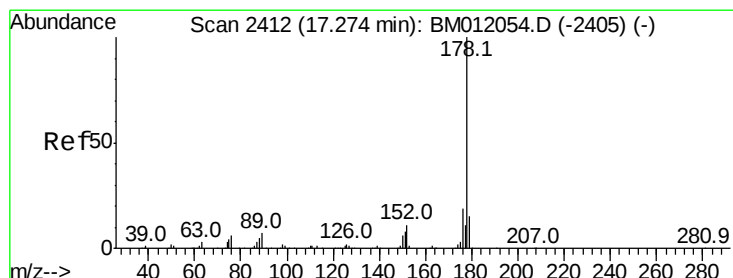
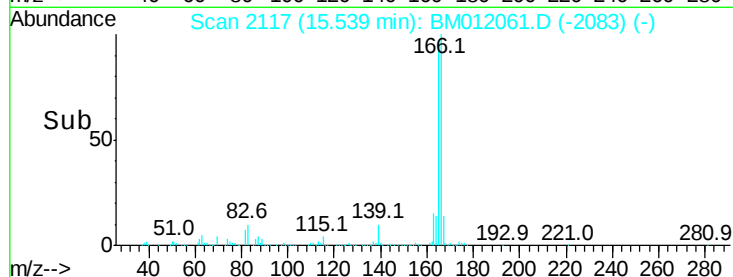
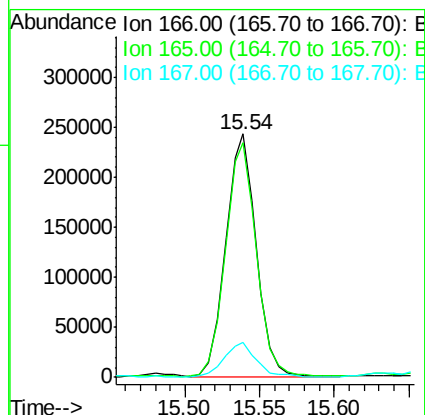
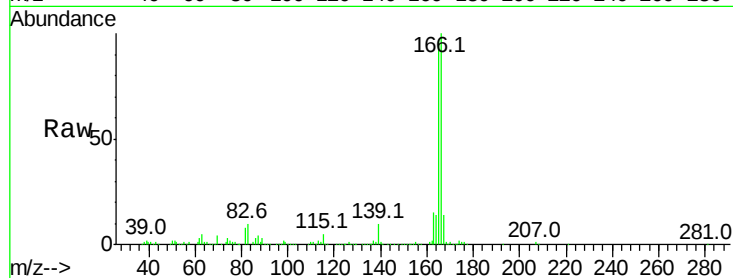
Tot Ion:166 Resp: 346860

Ion Ratio Lower Upper

166 100

165 96.6 77.9 116.9

167 14.1 10.6 16.0



#69

Phenanthrene

Concen: 35.323 ng/ul

RT: 17.28 min Scan# 2413

Delta R.T. 0.01 min

Lab File: BM012061.D

Acq: 11 Oct 2017 02:38

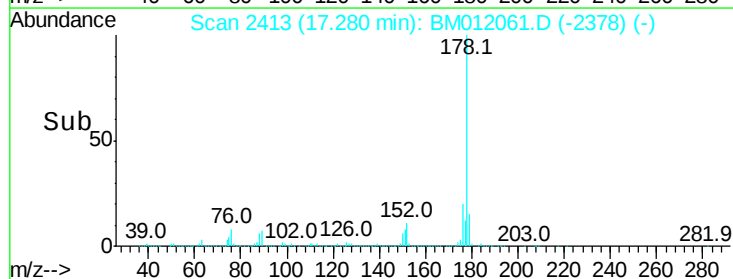
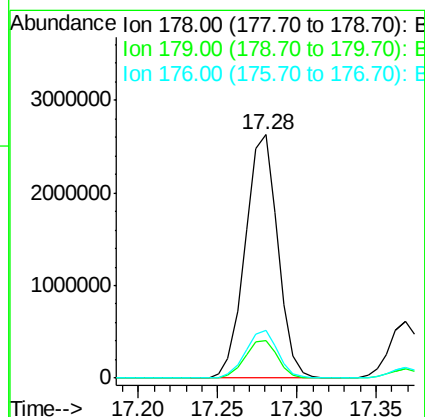
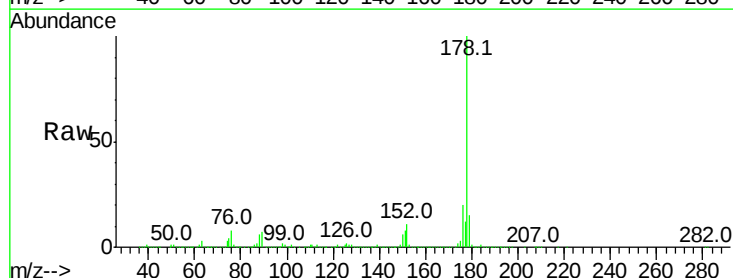
Tgt Ion:178 Resp: 3752426

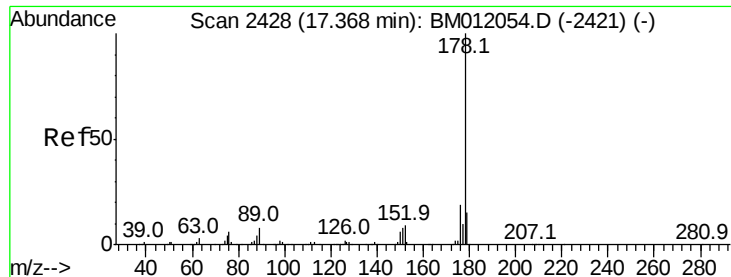
Ion Ratio Lower Upper

178 100

179 15.4 12.6 19.0

176 19.5 14.9 22.3



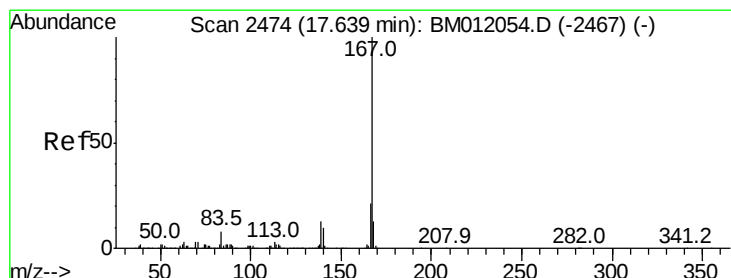
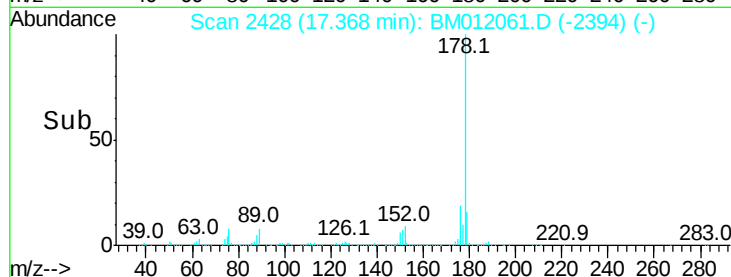
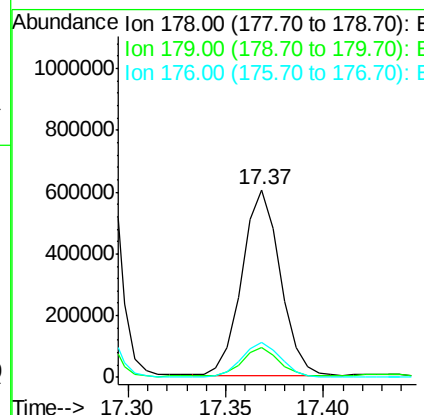
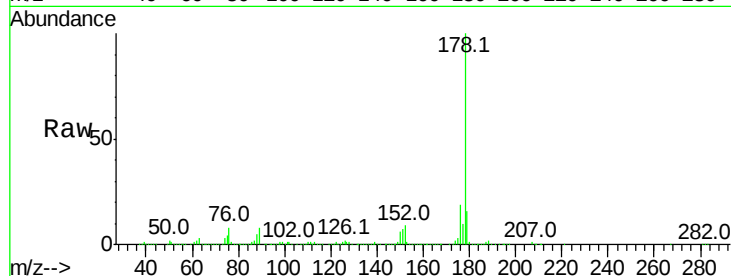


#71
 Anthracene
 Concen: 7.611 ng/ul
 RT: 17.37 min Scan# 2428
 Delta R.T. -0.00 min
 Lab File: BM012061.D
 Acq: 11 Oct 2017 02:38

Instrument :
 BNA_M
 ClientSampled :

Tot Ion:178 Resp: 822709

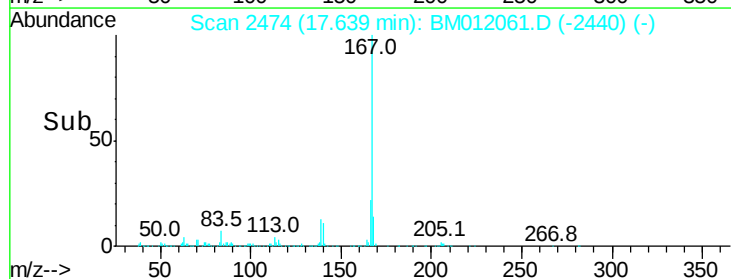
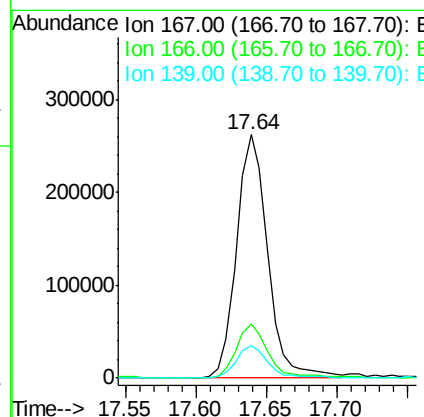
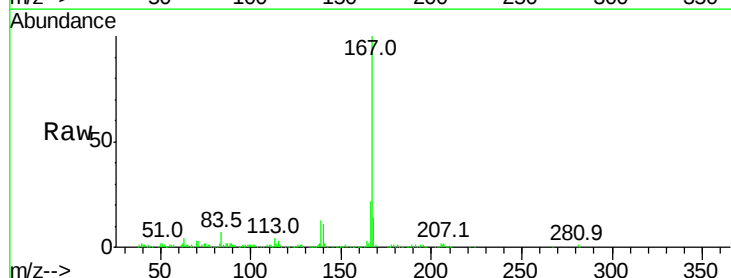
Ion	Ratio	Lower	Upper
178	100		
179	16.0	11.7	17.5
176	18.7	14.6	21.8

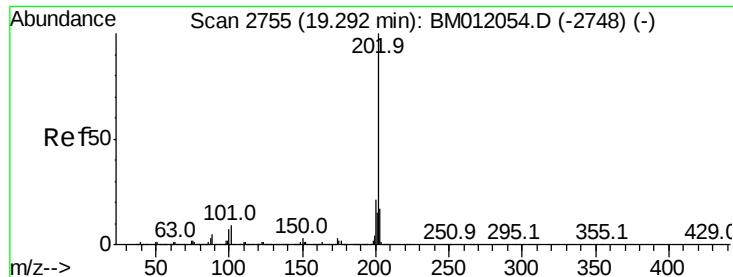


#72
 Carbazole
 Concen: 4.300 ng/ul
 RT: 17.64 min Scan# 2474
 Delta R.T. -0.00 min
 Lab File: BM012061.D
 Acq: 11 Oct 2017 02:38

Tgt Ion:167 Resp: 402620

Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.1	25.7
139	13.4	10.0	15.0





#74

Fluoranthene

Concen: 38.741 ng/ul

RT: 19.29 min Scan# 2755

Delta R.T. -0.00 min

Lab File: BM012061.D

Acq: 11 Oct 2017 02:38

Instrument :

BNA_M

ClientSampleId :

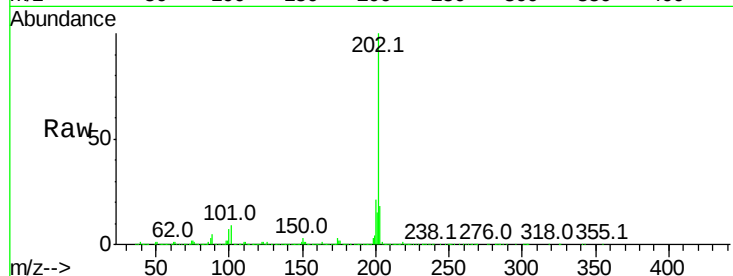
Tot Ion:202 Resp: 5021469

Ion Ratio Lower Upper

202 100

101 9.5 4.6 7.0#

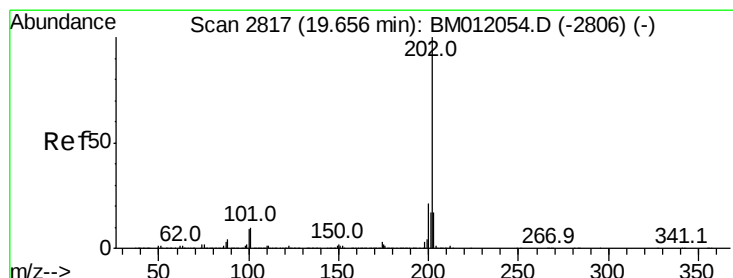
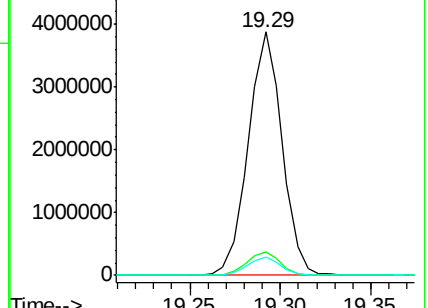
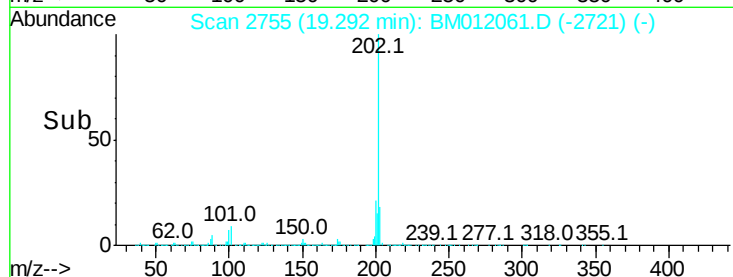
100 7.5 3.4 5.2#



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: 31.886 ng/ul

RT: 19.66 min Scan# 2817

Delta R.T. -0.00 min

Lab File: BM012061.D

Acq: 11 Oct 2017 02:38

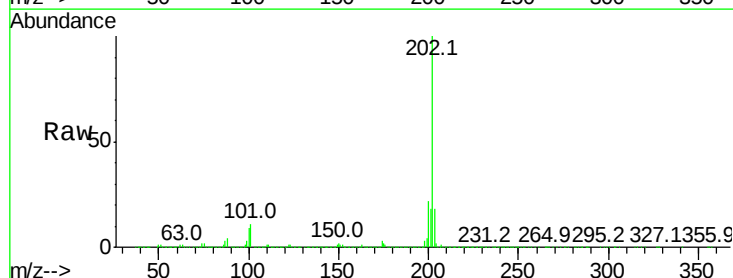
Tgt Ion:202 Resp: 4071079

Ion Ratio Lower Upper

202 100

101 10.6 5.1 7.7#

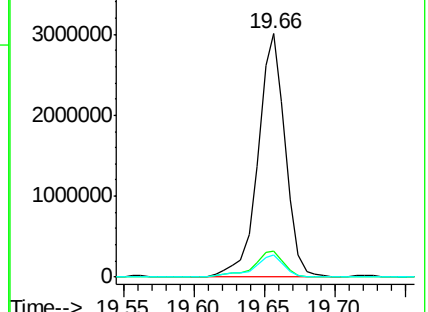
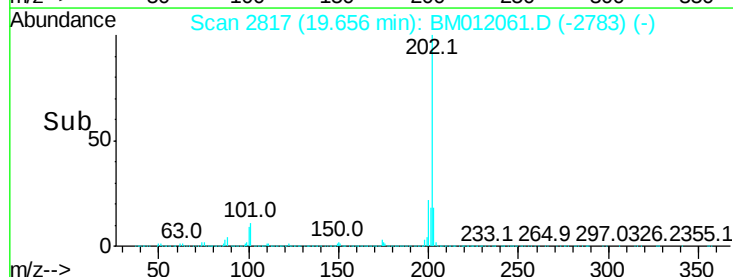
100 8.8 4.9 7.3#

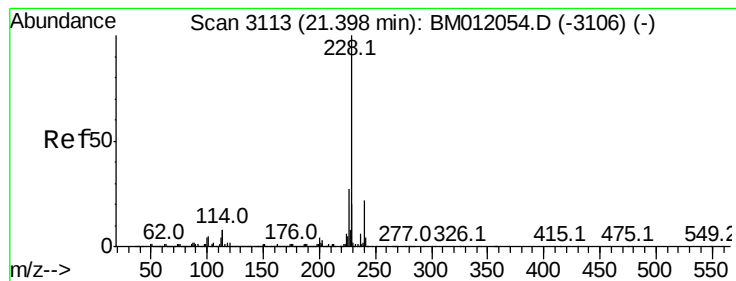


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 18.365 ng/ul

RT: 21.40 min Scan# 3113

Delta R.T. -0.00 min

Lab File: BM012061.D

Acq: 11 Oct 2017 02:38

Instrument :

BNA_M

ClientSampleId :

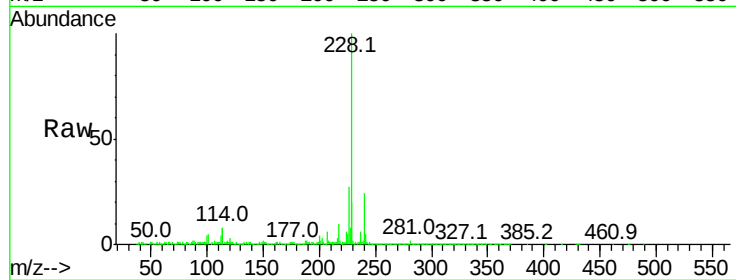
Tot Ion:228 Resp: 2422609

Ion	Ratio	Lower	Upper
228	100		
229	20.0	15.4	23.0
226	27.4	21.4	32.0

228 100

229 20.0 15.4 23.0

226 27.4 21.4 32.0

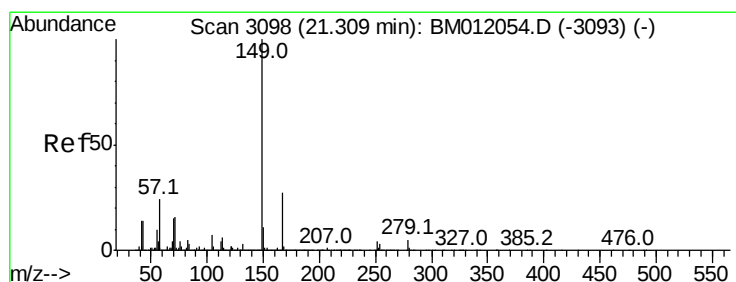
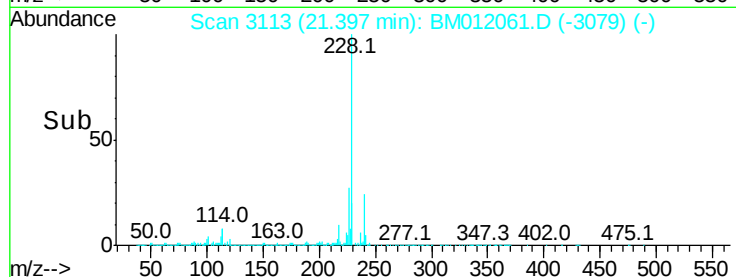
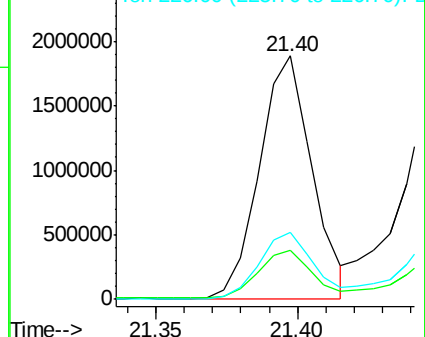


Abundance

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



#81

Bis(2-ethylhexyl)phthalate

Concen: 1.045 ng/ul

RT: 21.31 min Scan# 3098

Delta R.T. -0.00 min

Lab File: BM012061.D

Acq: 11 Oct 2017 02:38

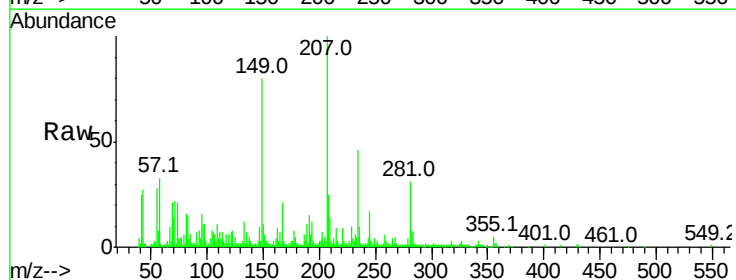
Tgt Ion:149 Resp: 77715

Ion	Ratio	Lower	Upper
149	100		
167	26.7	22.8	34.2
279	5.6	4.9	7.3

149 100

167 26.7 22.8 34.2

279 5.6 4.9 7.3

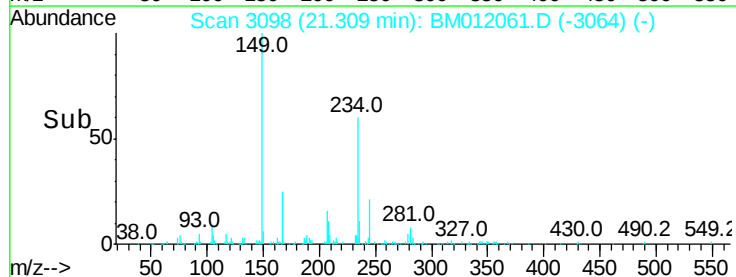
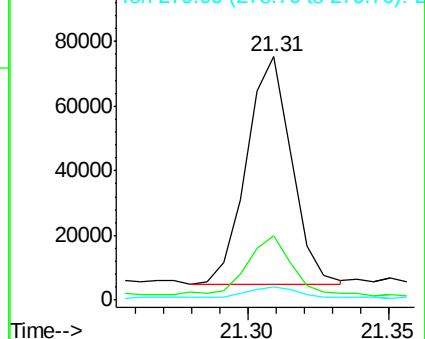


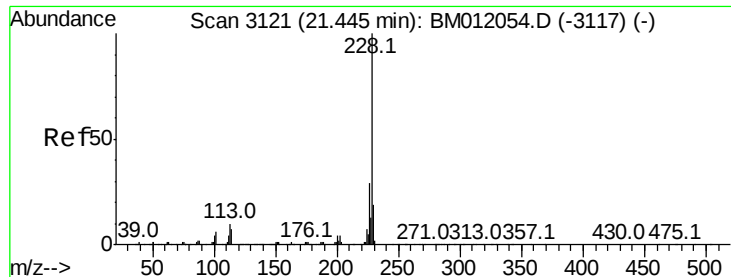
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 18.067 ng/ul

RT: 21.45 min Scan# 3122

Delta R.T. 0.01 min

Lab File: BM012061.D

Acq: 11 Oct 2017 02:38

Instrument :

BNA_M

ClientSampleId :

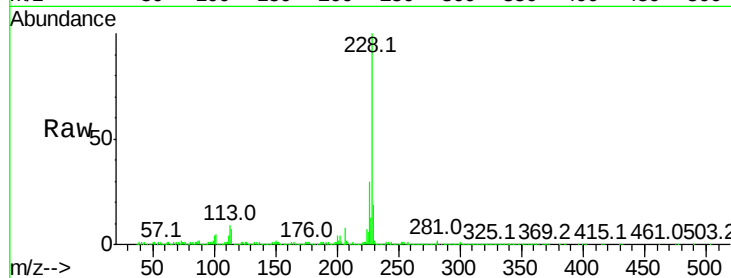
Tot Ion:228 Resp: 2264431

Ion Ratio Lower Upper

228 100

226 29.9 23.4 35.2

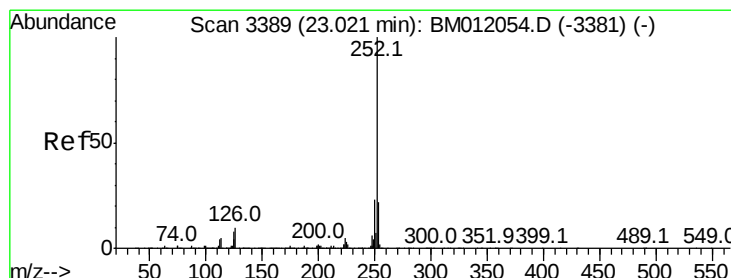
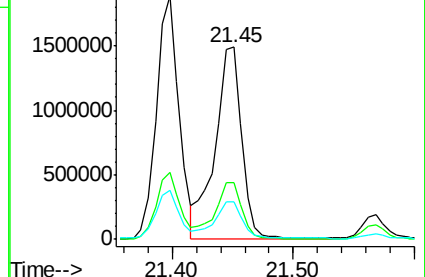
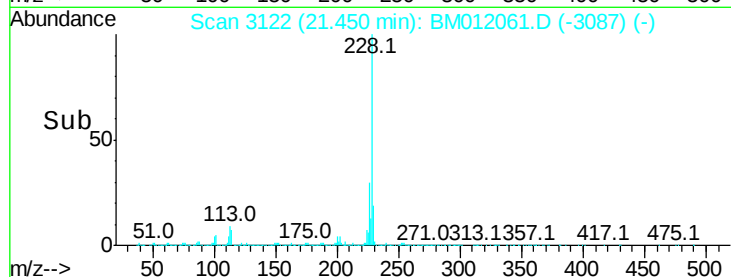
229 19.5 15.5 23.3



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: 21.401 ng/ul

RT: 23.03 min Scan# 3390

Delta R.T. 0.01 min

Lab File: BM012061.D

Acq: 11 Oct 2017 02:38

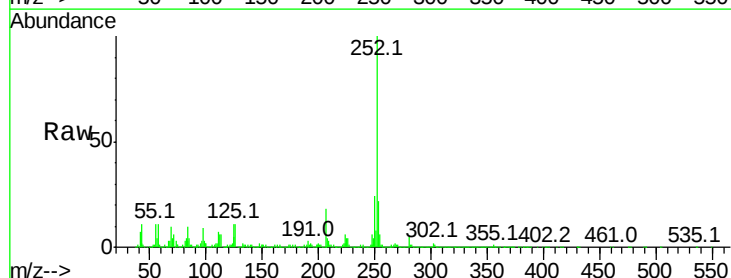
Tgt Ion:252 Resp: 2580280

Ion Ratio Lower Upper

252 100

253 22.0 17.9 26.9

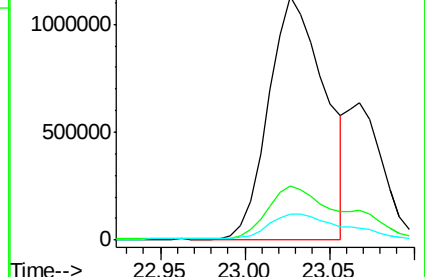
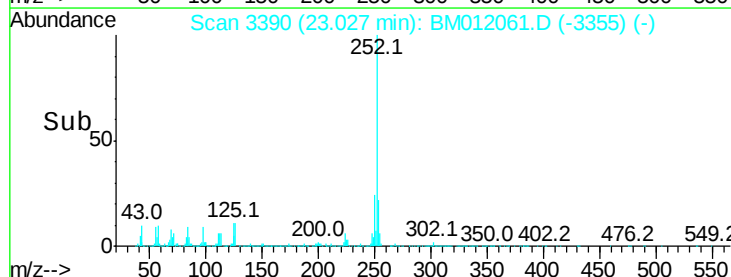
125 10.9 3.6 5.4#

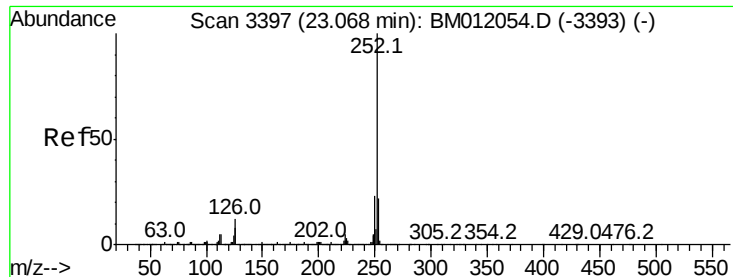


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 21.437 ng/ul

RT: 23.03 min Scan# 3390

Delta R.T. -0.04 min

Lab File: BM012061.D

Acq: 11 Oct 2017 02:38

Instrument :

BNA_M

ClientSampled :

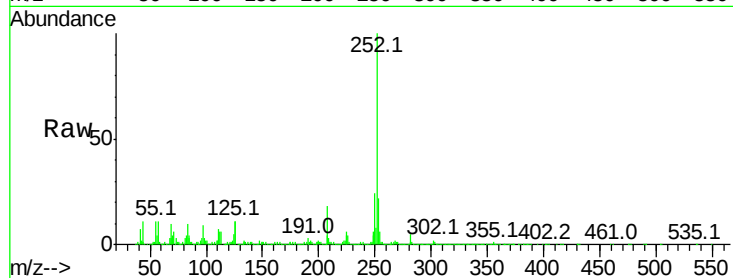
Tot Ion:252 Resp: 2580280

Ion Ratio Lower Upper

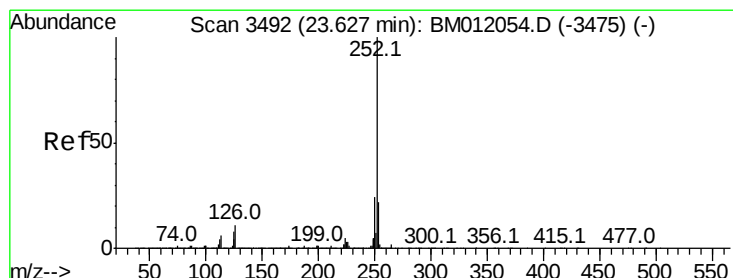
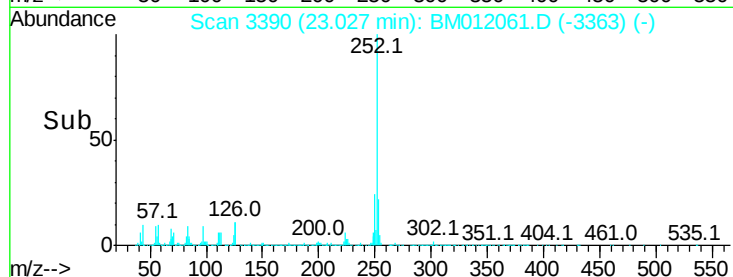
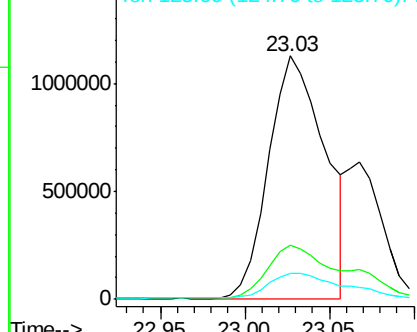
252 100

253 22.0 17.1 25.7

125 10.9 3.4 5.2#



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



#88

Benzo(a)pyrene

Concen: 13.852 ng/ul

RT: 23.63 min Scan# 3492

Delta R.T. -0.00 min

Lab File: BM012061.D

Acq: 11 Oct 2017 02:38

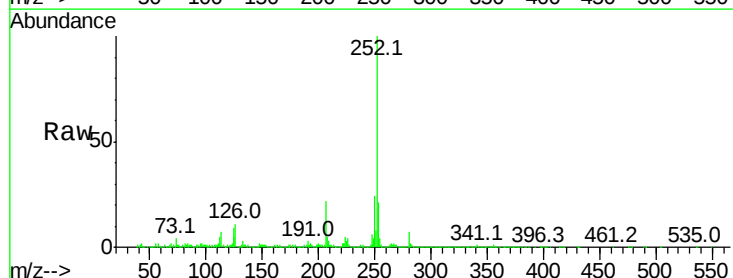
Tgt Ion:252 Resp: 1604773

Ion Ratio Lower Upper

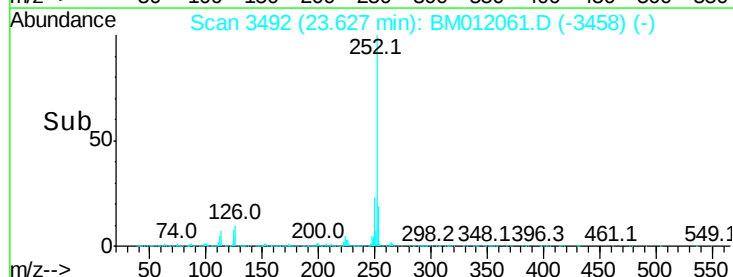
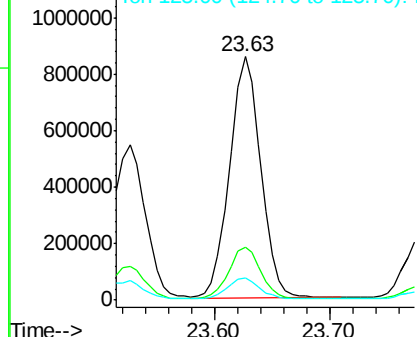
252 100

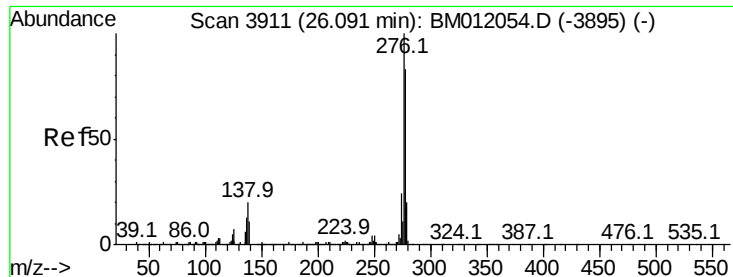
253 21.5 18.2 27.2

125 9.1 4.0 6.0#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

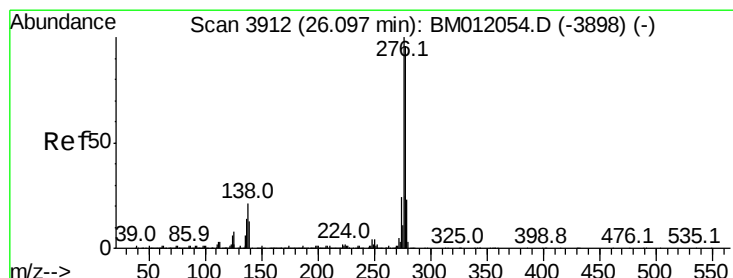
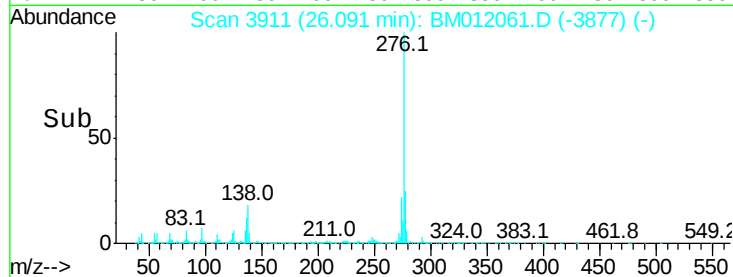
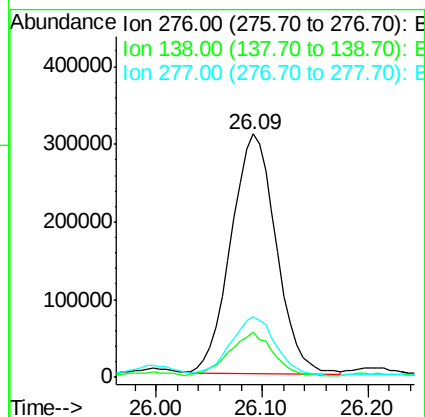
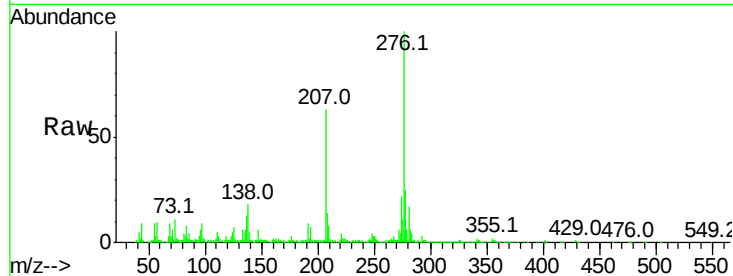




#89
 Indeno(1,2,3-cd)pyrene
 Concen: 7.395 ng/ul
 RT: 26.09 min Scan# 3911
 Delta R.T. -0.00 min
 Lab File: BM012061.D
 Acq: 11 Oct 2017 02:38

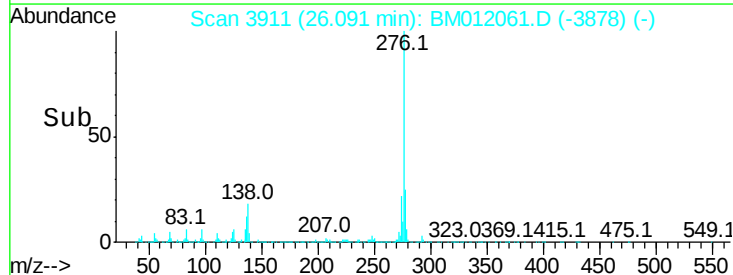
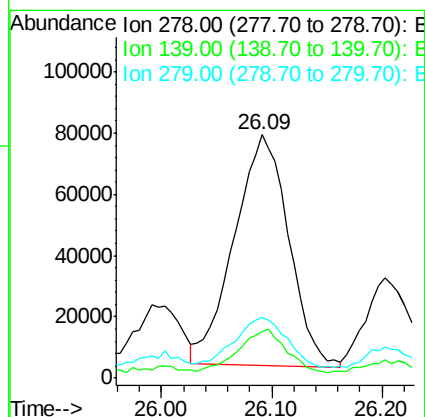
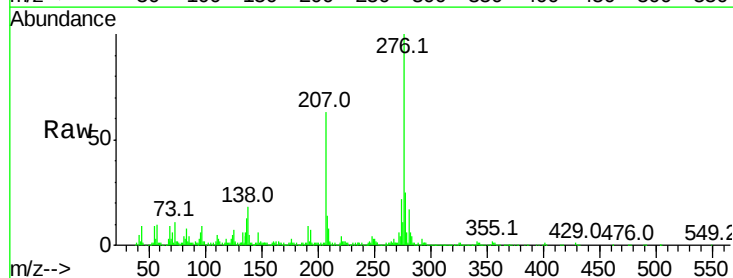
Instrument :
 BNA_M
 ClientSampleId :

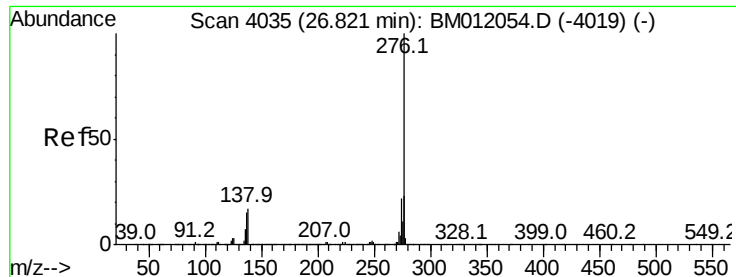
Tot Ion:276 Resp: 916803
 Ion Ratio Lower Upper
 276 100
 138 18.4 9.3 13.9#
 277 25.0 19.9 29.9



#90
 Dibenzo(a,h)anthracene
 Concen: 2.557 ng/ul
 RT: 26.09 min Scan# 3911
 Delta R.T. -0.01 min
 Lab File: BM012061.D
 Acq: 11 Oct 2017 02:38

Tgt Ion:278 Resp: 260428
 Ion Ratio Lower Upper
 278 100
 139 18.8 5.8 8.8#
 279 24.8 18.6 27.8





#91

Benzo(a,h,i)perylene

Concen: 6.993 ng/ul

RT: 26.82 min Scan# 4035

Delta R.T. -0.00 min

Lab File: BM012061.D

Acq: 11 Oct 2017 02:38

Instrument :

BNA_M

ClientSampleId :

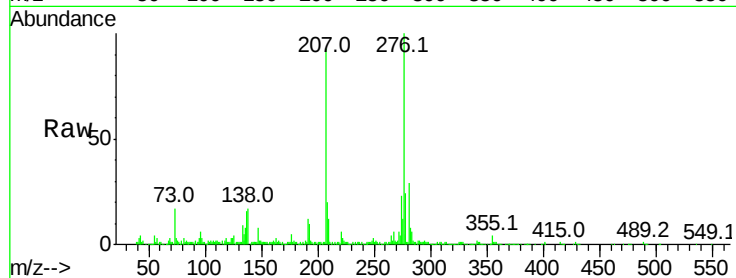
Tot Ion:276 Resp: 717137

Ion Ratio Lower Upper

276 100

138 17.2 8.5 12.7#

277 24.3 18.6 28.0



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

