

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
 Data File : BM012121.D
 Acq On : 13 Oct 2017 04:40
 Operator : SJ/JU
 Sample : I5533-03
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 13 06:51:00 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 13 04:53:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	327433	20.00	ng/ul	0.02
18) Naphthalene-d8	10.65	136	1395821	20.00	ng/ul	0.02
35) Acenaphthene-d10	14.50	164	788059	20.00	ng/ul	0.02
61) Phenanthrene-d10	17.24	188	1516073	20.00	ng/ul	0.02
75) Chrysene-d12	21.43	240	1626152	20.00	ng/ul	0.02
83) Perylene-d12	23.77	264	1702042	20.00	ng/ul	0.05

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.25	96	25220	3.66	ng/uL	0.00
5) Phenol-d5	7.02	99	602652	22.68	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.17	67	360717	22.64	ng/ul	0.01
9) 2-Chlorophenol-d4	7.37	132	530321	23.53	ng/ul	0.02
13) 4-Methylphenol-d8	8.56	113	519408	22.71	ng/ul	0.02
19) Nitrobenzene-d5	9.02	128	258967	24.31	ng/ul	0.02
22) 2-Nitrophenol-d4	9.73	143	280020	22.50	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.27	165	560951	23.61	ng/ul	0.02
29) 4-Chloroaniline-d4	10.79	131	156817	7.05	ng/ul	0.02
43) Dimethylphthalate-d6	13.90	166	1739686	24.98	ng/ul	0.01
46) Acenaphthylene-d8	14.19	160	2135679	25.33	ng/ul	0.02
51) 4-Nitrophenol-d4	14.72	143	178230	17.02	ng/ul	0.03
57) Fluorene-d10	15.49	176	1396863	24.44	ng/ul	0.02
62) 4,6-Dinitro-2-methylphenol	15.60	200	437	0.04	ng/ul	0.00
70) Anthracene-d10	17.34	188	1900223	25.35	ng/ul	0.02
76) Pyrene-d10	19.64	212	1930917	23.39	ng/ul	0.03
87) Benzo(a)pyrene-d12	23.62	264	2088308	25.45	ng/ul	0.05

Target Compounds

				Ovalue	
6) Phenol	7.04	94	59298	2.159	ng/ul# 85
28) Naphthalene	10.70	128	82959	1.149	ng/ul 99
44) Dimethylphthalate	13.94	163	218211	3.127	ng/ul 98
47) Acenaphthylene	14.22	152	454436	5.489	ng/ul 99
49) Acenaphthene	14.56	153	89211	1.600	ng/ul 97
53) Dibenzofuran	14.90	168	104266	1.298	ng/ul 94
58) Fluorene	15.54	166	98533	1.478	ng/ul# 94
69) Phenanthrene	17.29	178	4428458	51.347	ng/ul 99
71) Anthracene	17.38	178	1235175	13.834	ng/ul 99
72) Carbazole	17.65	167	76945	1.018	ng/ul# 89
74) Fluoranthene	19.31	202	9524364	91.509	ng/ul# 90
77) Pyrene	19.67	202	8641733	80.468	ng/ul# 90
78) Butylbenzylphthalate	20.54	149	65685	1.374	ng/ul 98
80) Benzo(a)anthracene	21.41	228	5097488	48.175	ng/ul 96
81) Bis(2-ethylhexyl)phthalate	21.31	149	109129	1.521	ng/ul# 80
82) Chrysene	21.47	228	4509494	45.393	ng/ul 96
85) Benzo(b)fluoranthene	23.06	252	5708372	51.393	ng/ul# 94
86) Benzo(k)fluoranthene	23.06	252	5708372	53.330	ng/ul# 92
88) Benzo(a)pyrene	23.67	252	4227639	40.383	ng/ul# 94
89) Indeno(1,2,3-cd)pyrene	26.17	276	2497277	22.463	ng/ul# 93
90) Dibenzo(a,h)anthracene	26.17	278	706258	7.557	ng/ul# 72
91) Benzo(a,h,i)perylene	26.92	276	2191519	24.069	ng/ul# 91

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QLast Update : Fri Oct 13 04:53:53 2017
Response via : Initial Calibration

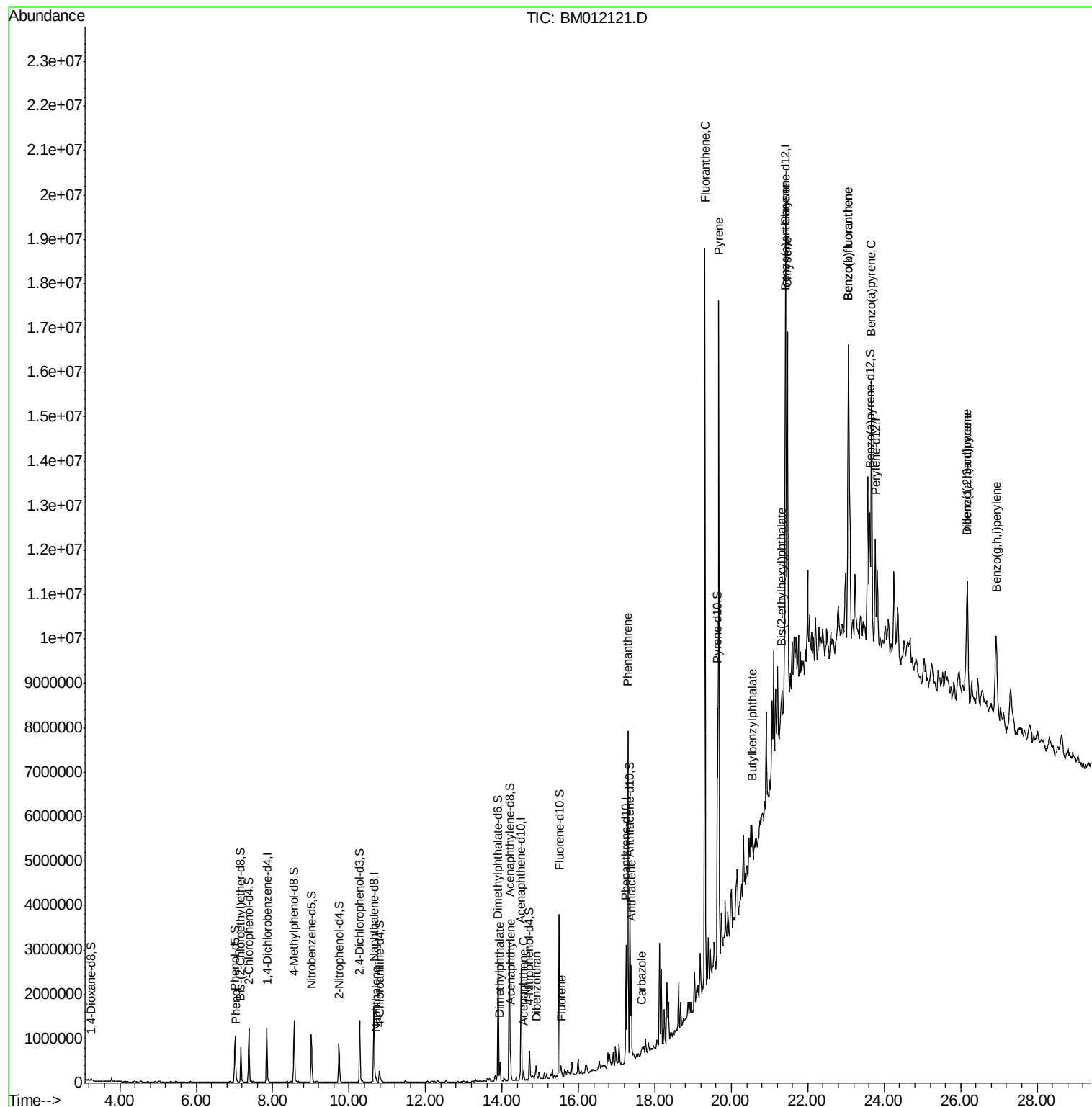
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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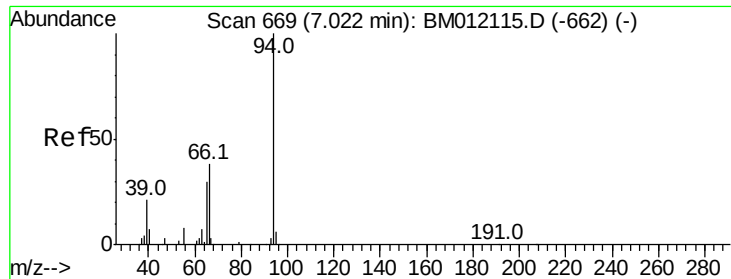
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#6

Phenol

Concen: 2.159 ng/ul

RT: 7.04 min Scan# 672

Delta R.T. 0.02 min

Lab File: BM012121.D

Acq: 13 Oct 2017 04:40

Instrument :

BNA_M

ClientSampleId :

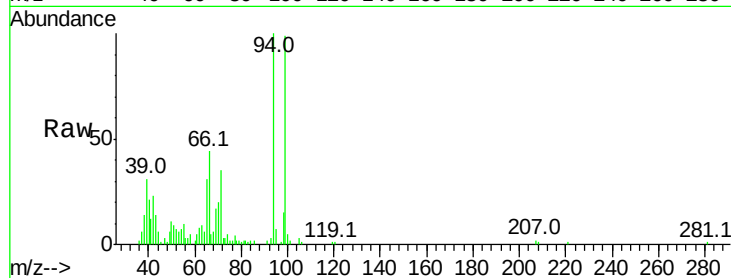
Tot Ion: 94 Resp: 59298

Ion Ratio Lower Upper

94 100

65 31.2 28.2 42.4

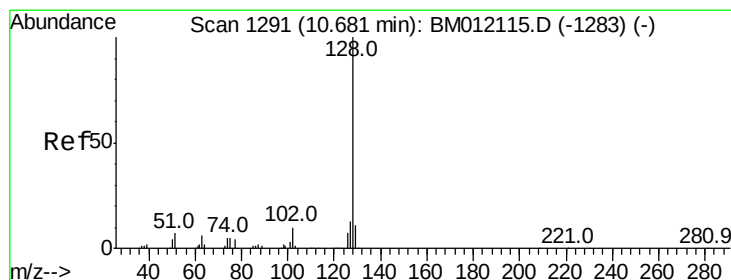
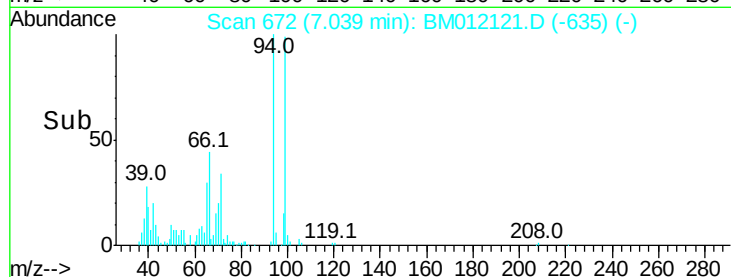
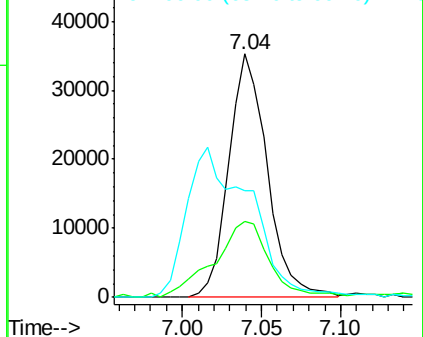
66 43.8 47.2 70.8#



Abundance Ion 94.00 (93.70 to 94.70): BM012121.D (-672) (-)

Ion 65.00 (64.70 to 65.70): BM012121.D (-672) (-)

Ion 66.00 (65.70 to 66.70): BM012121.D (-672) (-)



#28

Naphthalene

Concen: 1.149 ng/ul

RT: 10.70 min Scan# 1294

Delta R.T. 0.02 min

Lab File: BM012121.D

Acq: 13 Oct 2017 04:40

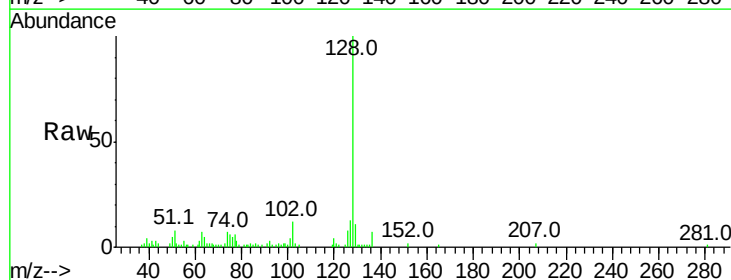
Tgt Ion: 128 Resp: 82959

Ion Ratio Lower Upper

128 100

129 11.1 8.8 13.2

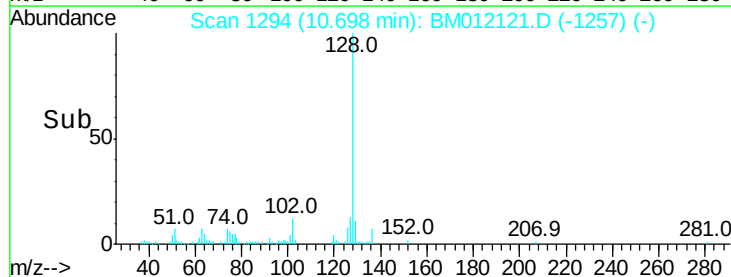
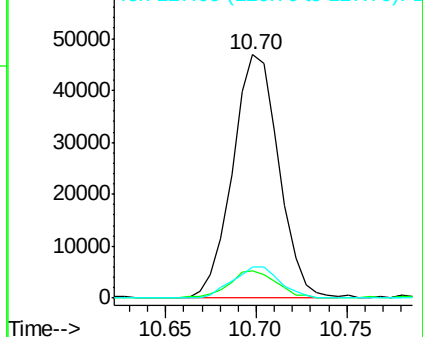
127 12.7 10.6 16.0

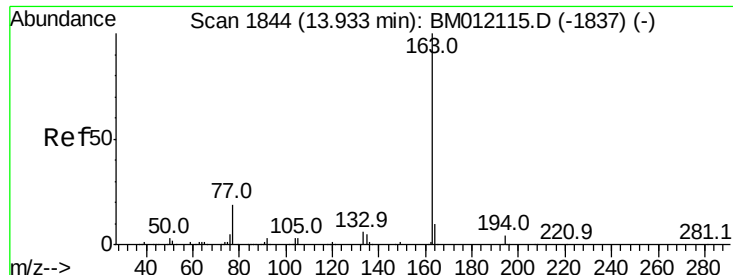


Abundance Ion 128.00 (127.70 to 128.70): BM012121.D (-1294) (-)

Ion 129.00 (128.70 to 129.70): BM012121.D (-1294) (-)

Ion 127.00 (126.70 to 127.70): BM012121.D (-1294) (-)

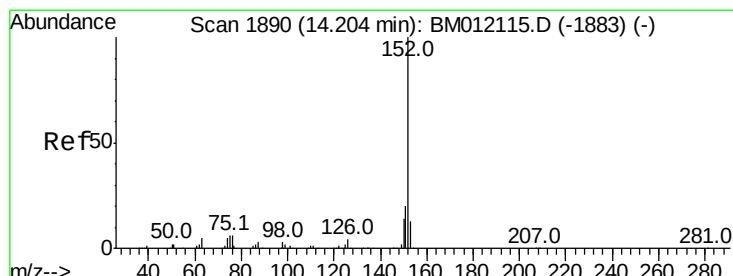
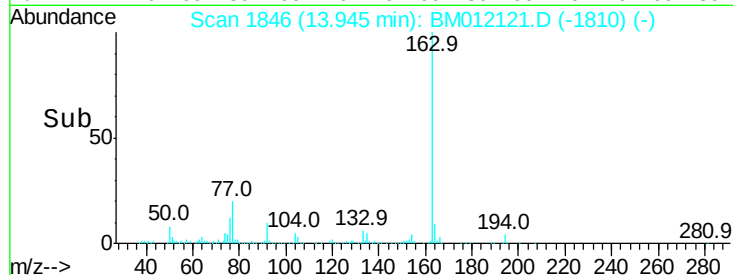
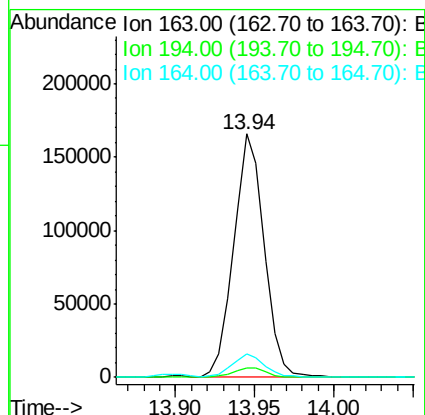
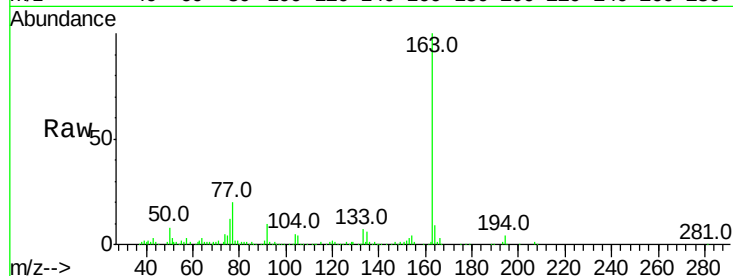




#44
Dimethylphthalate
Concen: 3.127 ng/ul
RT: 13.94 min Scan# 1846
Delta R.T. 0.01 min
Lab File: BM012121.D
Acq: 13 Oct 2017 04:40

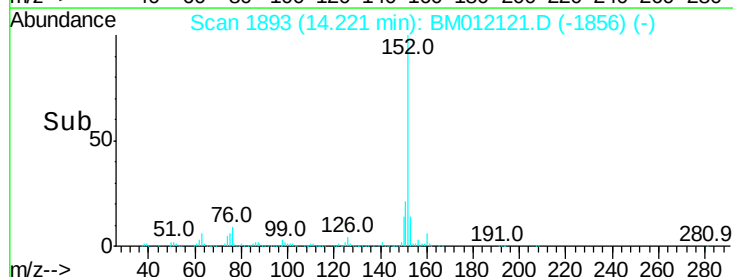
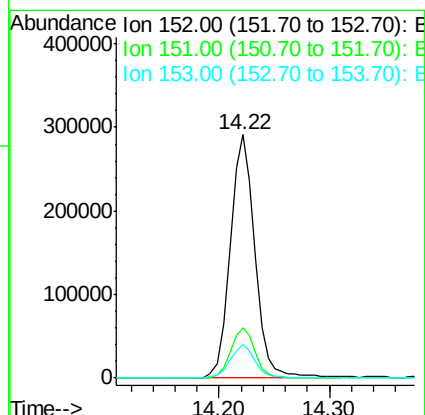
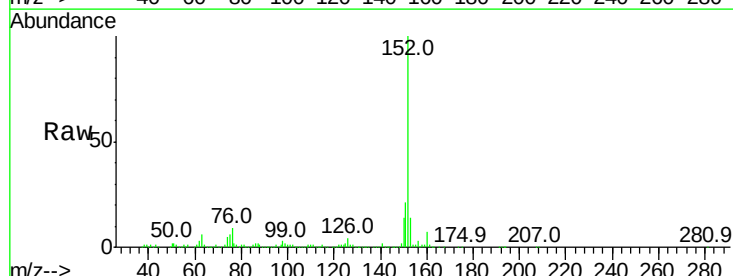
Instrument :
BNA_M
ClientSampleId :

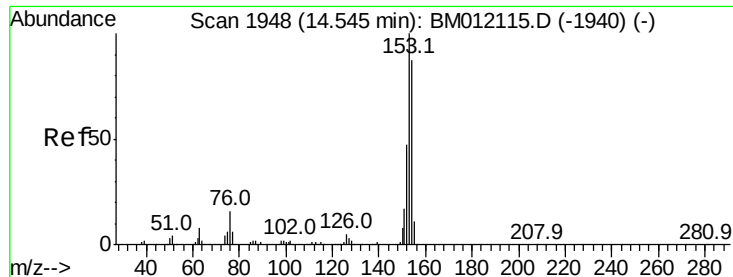
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.5	5.3
164	9.4	8.2	12.4



#47
Acenaphthylene
Concen: 5.489 ng/ul
RT: 14.22 min Scan# 1893
Delta R.T. 0.02 min
Lab File: BM012121.D
Acq: 13 Oct 2017 04:40

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.3	24.5
153	13.7	10.2	15.4





#49

Acenaphthene

Concen: 1.600 ng/ul

RT: 14.56 min Scan# 1951

Delta R.T. 0.02 min

Lab File: BM012121.D

Acq: 13 Oct 2017 04:40

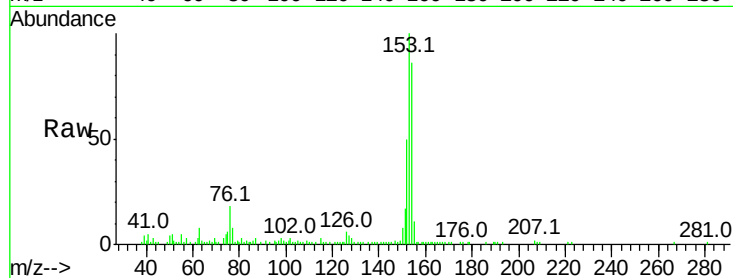
Instrument :

BNA_M

ClientSampleId :

Tot Ion:153 Resp: 89211

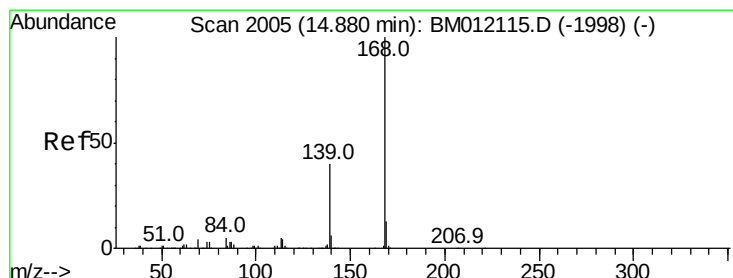
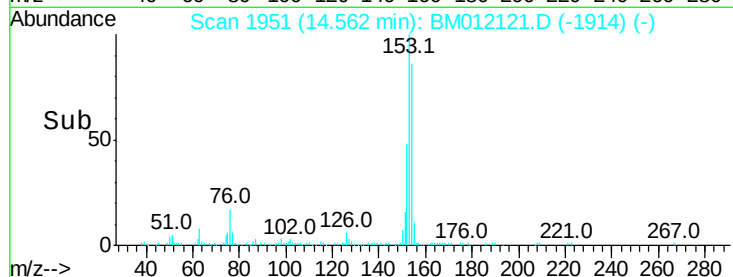
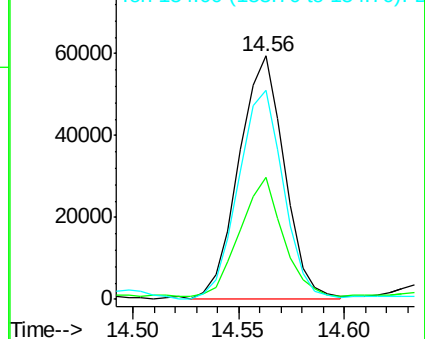
Ion	Ratio	Lower	Upper
153	100		
152	49.9	37.6	56.4
154	85.6	70.4	105.6



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: 1.298 ng/ul

RT: 14.90 min Scan# 2008

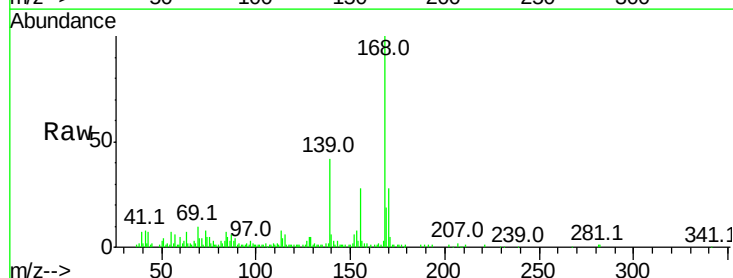
Delta R.T. 0.02 min

Lab File: BM012121.D

Acq: 13 Oct 2017 04:40

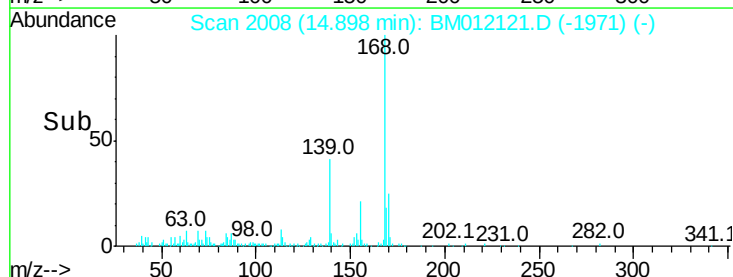
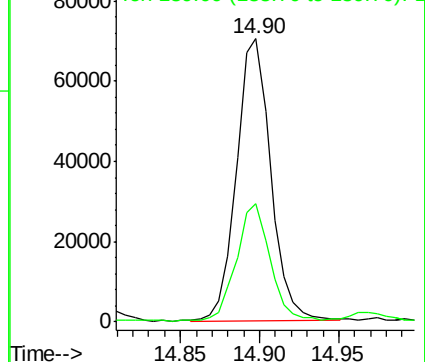
Tgt Ion:168 Resp: 104266

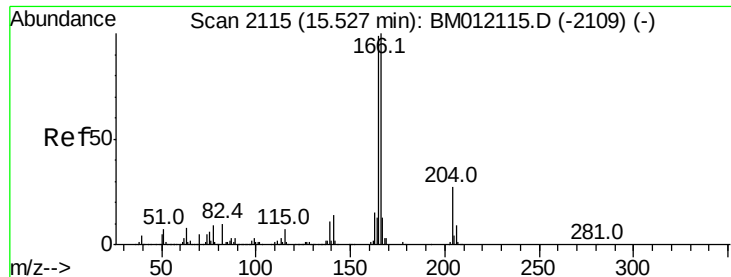
Ion	Ratio	Lower	Upper
168	100		
139	41.9	30.8	46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 1.478 ng/ul

RT: 15.54 min Scan# 2118

Delta R.T. 0.02 min

Lab File: BM012121.D

Acq: 13 Oct 2017 04:40

Instrument :

BNA_M

ClientSampleId :

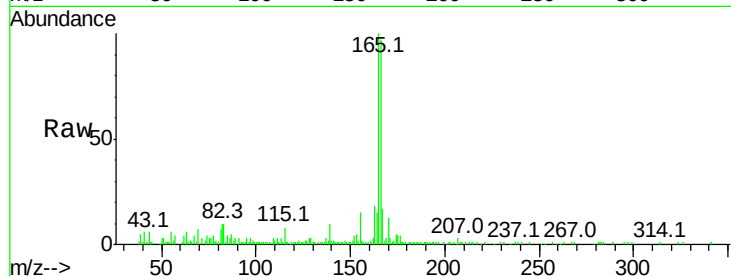
Tot Ion:166 Resp: 98533

Ion Ratio Lower Upper

166 100

165 103.0 77.9 116.9

167 17.8 10.6 16.0#

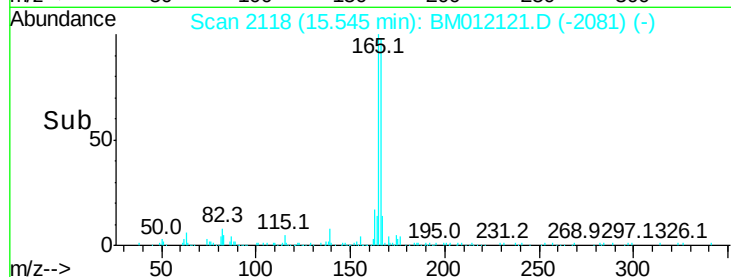


Abundance Ion 166.00 (165.70 to 166.70): E

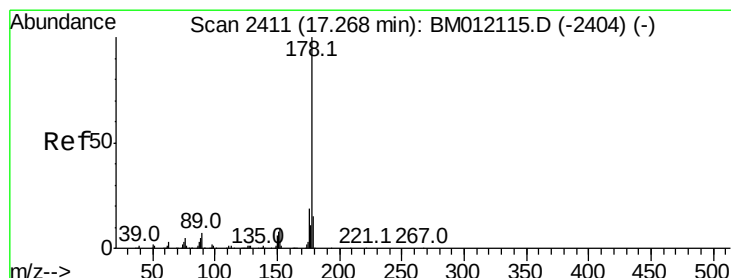
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

Time-->



Time-->



#69

Phenanthrene

Concen: 51.347 ng/ul

RT: 17.29 min Scan# 2415

Delta R.T. 0.02 min

Lab File: BM012121.D

Acq: 13 Oct 2017 04:40

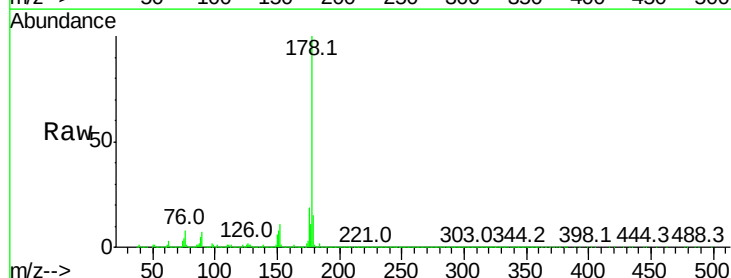
Tgt Ion:178 Resp: 4428458

Ion Ratio Lower Upper

178 100

179 15.4 12.6 19.0

176 19.1 14.9 22.3

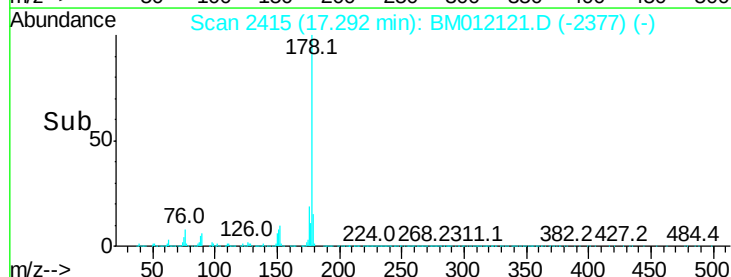


Abundance Ion 178.00 (177.70 to 178.70): E

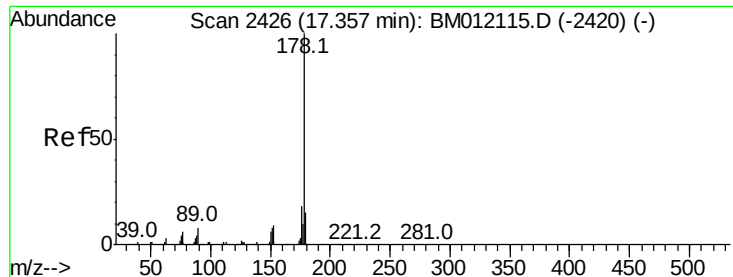
Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

Time-->



Time-->



#71

Anthracene

Concen: 13.834 ng/ul

RT: 17.38 min Scan# 2430

Delta R.T. 0.02 min

Lab File: BM012121.D

Acq: 13 Oct 2017 04:40

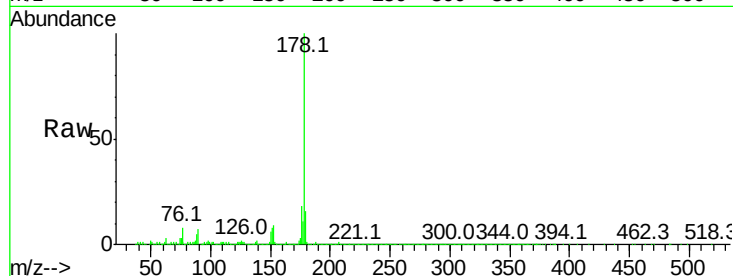
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 1235175

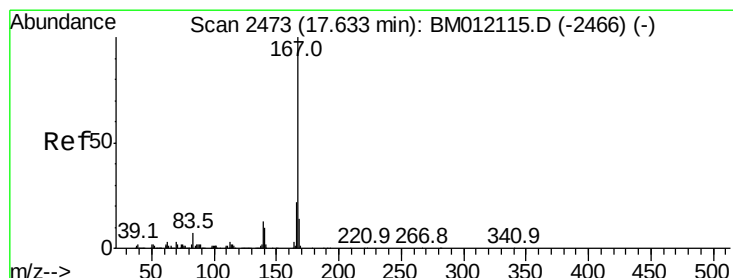
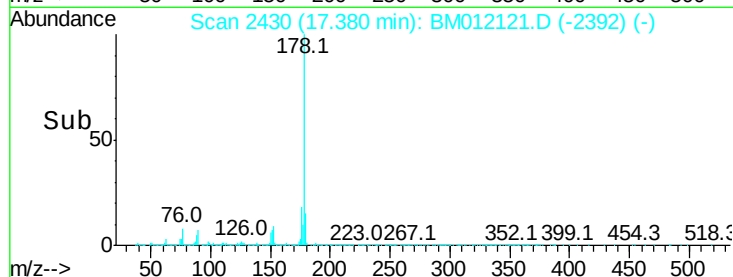
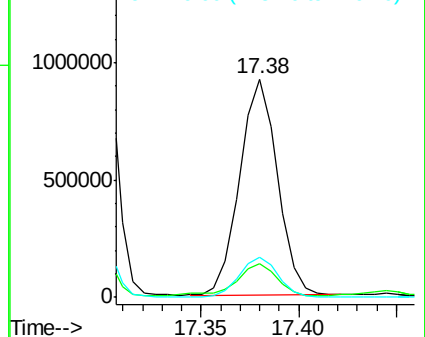
Ion	Ratio	Lower	Upper
178	100		
179	15.6	11.7	17.5
176	18.3	14.6	21.8



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



#72

Carbazole

Concen: 1.018 ng/ul

RT: 17.65 min Scan# 2476

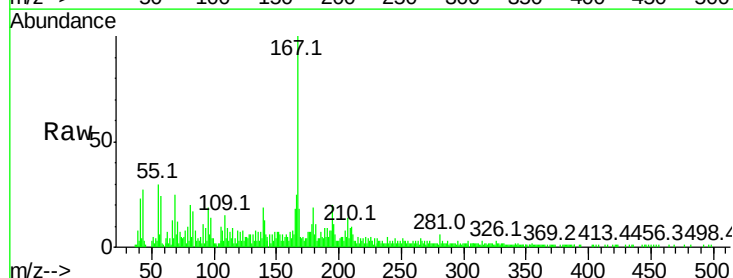
Delta R.T. 0.02 min

Lab File: BM012121.D

Acq: 13 Oct 2017 04:40

Tgt Ion:167 Resp: 76945

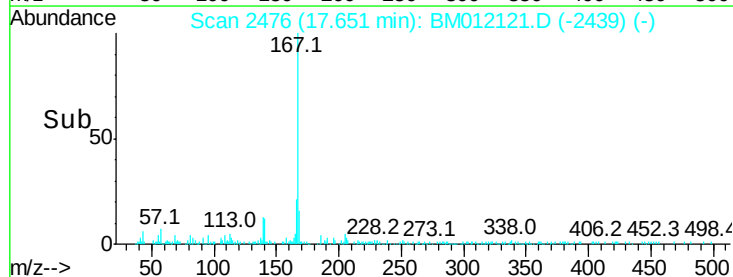
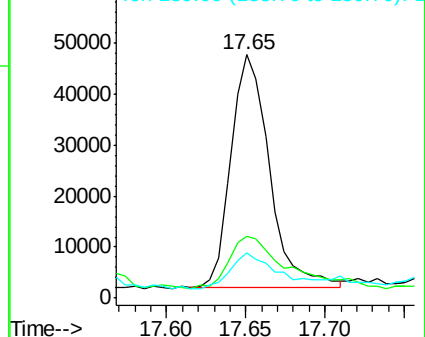
Ion	Ratio	Lower	Upper
167	100		
166	25.4	17.1	25.7
139	18.5	10.0	15.0

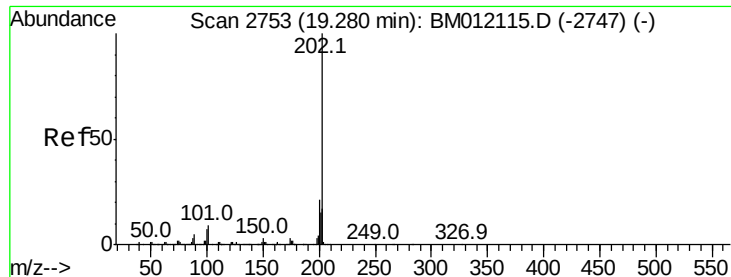


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 91.509 ng/ul

RT: 19.31 min Scan# 2758

Delta R.T. 0.03 min

Lab File: BM012121.D

Acq: 13 Oct 2017 04:40

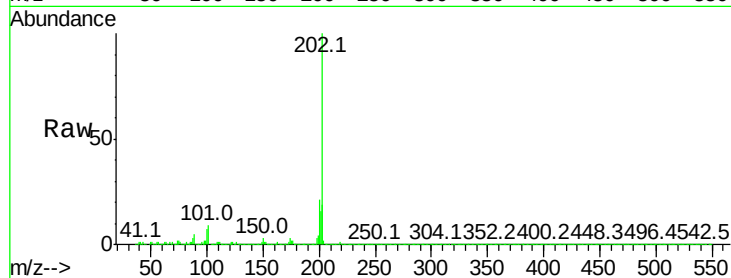
Instrument :

BNA_M

ClientSampled :

Tot Ion:202 Resp: 9524364

Ion	Ratio	Lower	Upper
202	100		
101	9.3	4.6	7.0#
100	7.2	3.4	5.2#

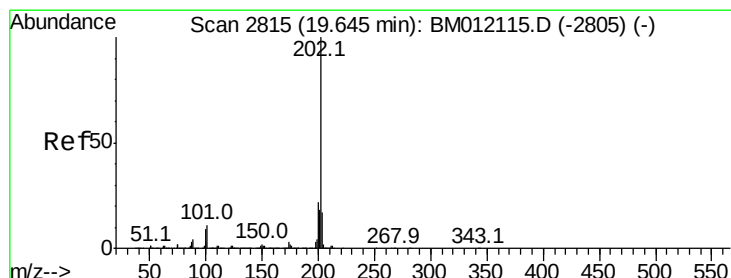
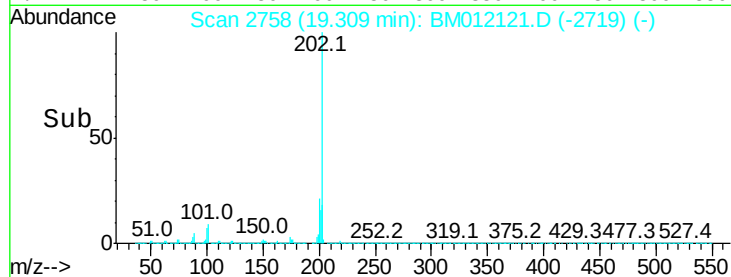
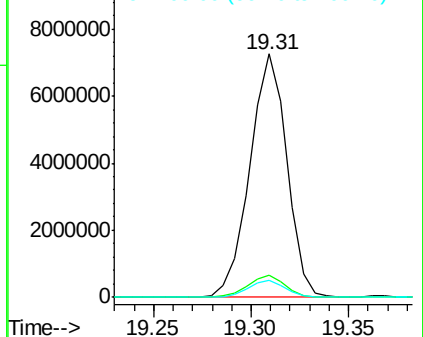


Abundance

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: 80.468 ng/ul

RT: 19.67 min Scan# 2820

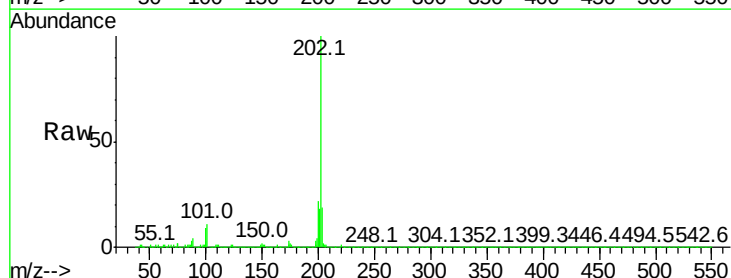
Delta R.T. 0.03 min

Lab File: BM012121.D

Acq: 13 Oct 2017 04:40

Tgt Ion:202 Resp: 8641733

Ion	Ratio	Lower	Upper
202	100		
101	10.6	5.1	7.7#
100	8.8	4.9	7.3#

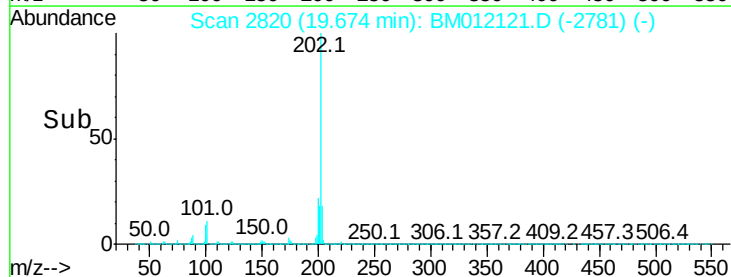
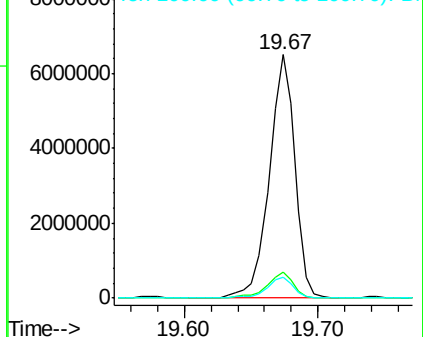


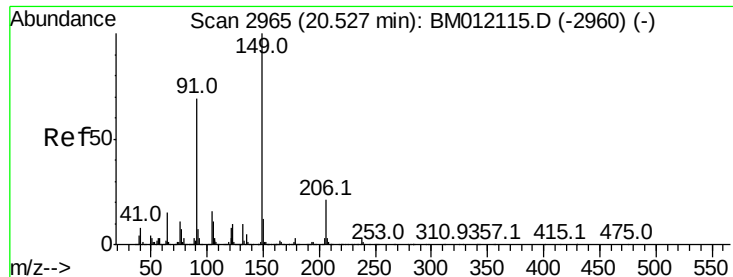
Abundance

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

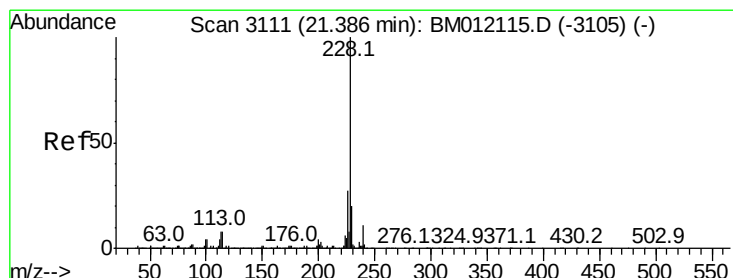
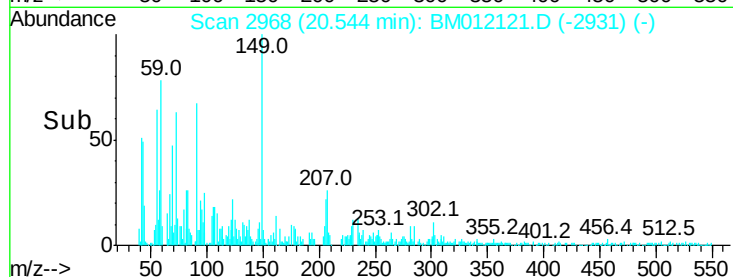
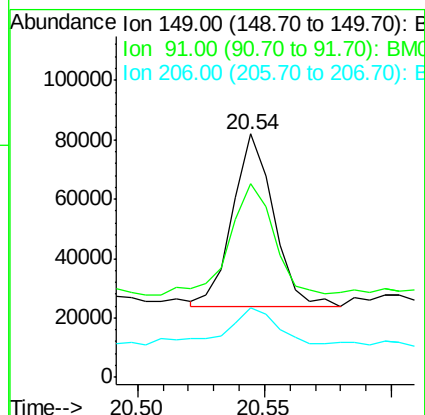
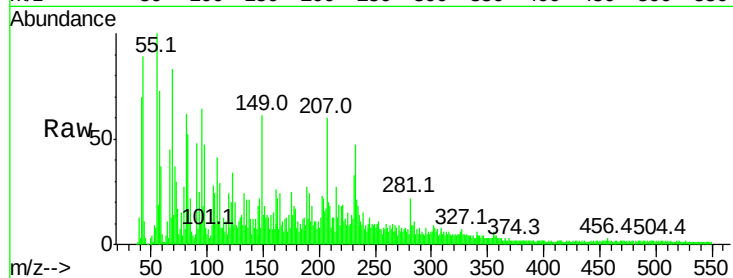




#78
 Butylbenzylphthalate
 Concen: 1.374 ng/ul
 RT: 20.54 min Scan# 2968
 Delta R.T. 0.02 min
 Lab File: BM012121.D
 Acq: 13 Oct 2017 04:40

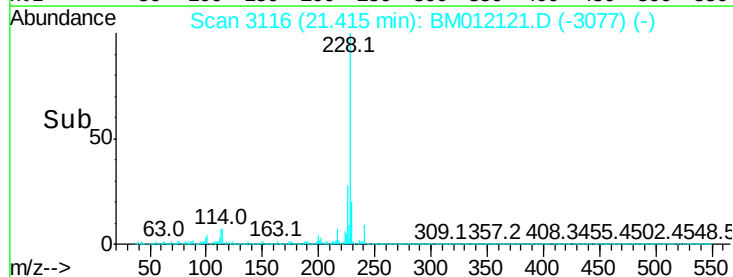
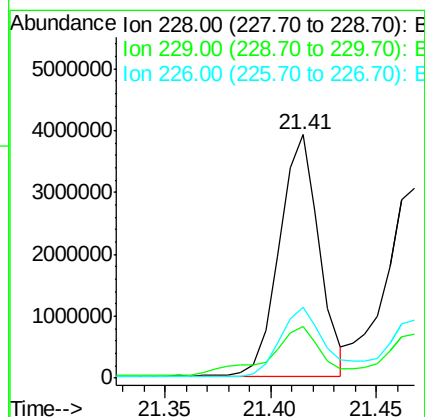
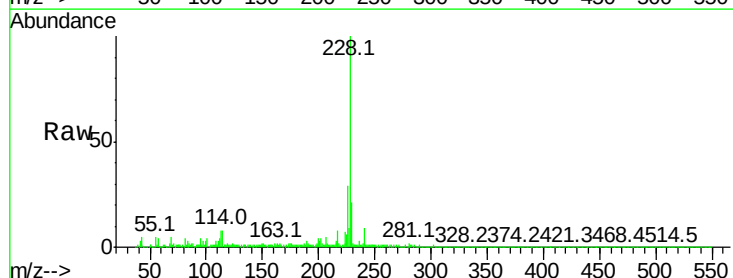
Instrument :
 BNA_M
 ClientSampled :

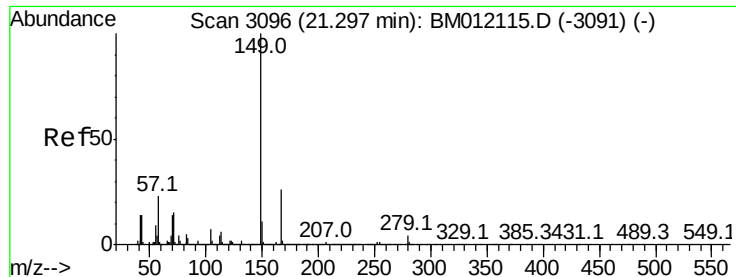
Tot Ion:149 Resp: 65685
 Ion Ratio Lower Upper
 149 100
 91 79.6 62.7 94.1
 206 28.3 20.8 31.2



#80
 Benzo(a)anthracene
 Concen: 48.175 ng/ul
 RT: 21.41 min Scan# 3116
 Delta R.T. 0.03 min
 Lab File: BM012121.D
 Acq: 13 Oct 2017 04:40

Tgt Ion:228 Resp: 5097488
 Ion Ratio Lower Upper
 228 100
 229 21.0 15.4 23.0
 226 29.0 21.4 32.0

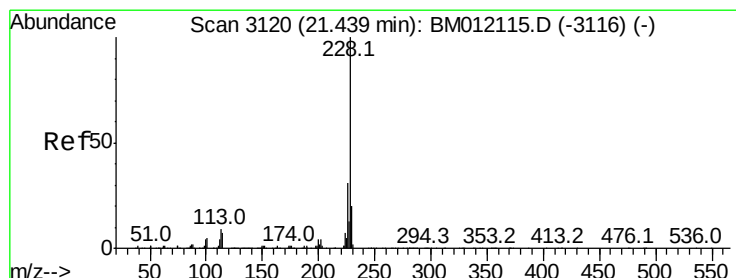
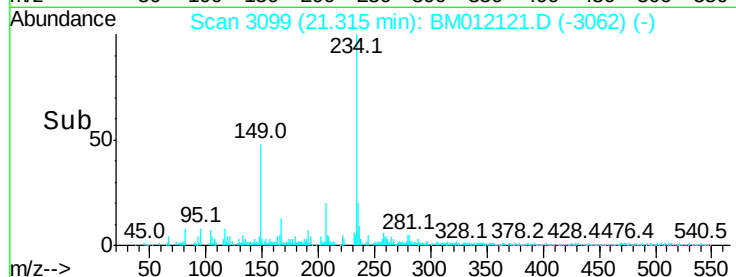
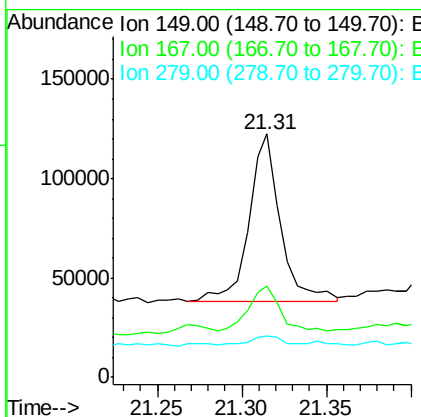
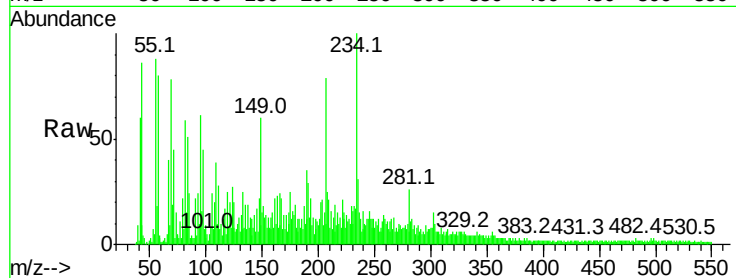




#81
 Bis(2-ethylhexyl)phthalate
 Concen: 1.521 ng/ul
 RT: 21.31 min Scan# 3099
 Delta R.T. 0.02 min
 Lab File: BM012121.D
 Acq: 13 Oct 2017 04:40

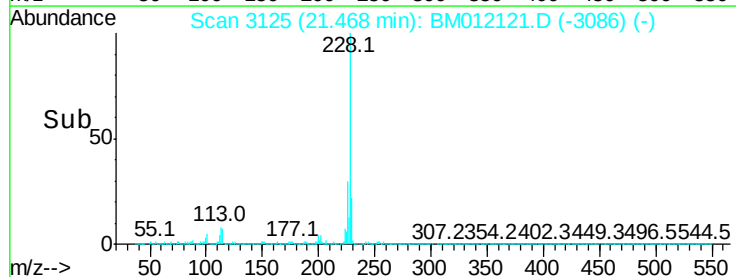
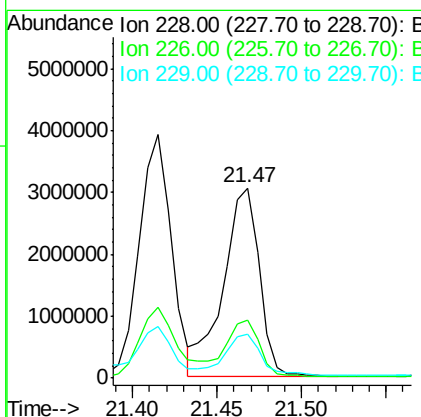
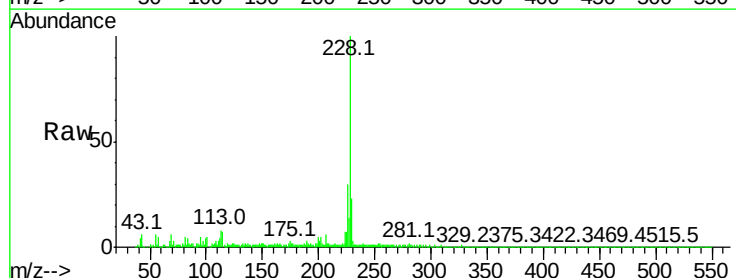
Instrument :
 BNA_M
 ClientSampleId :

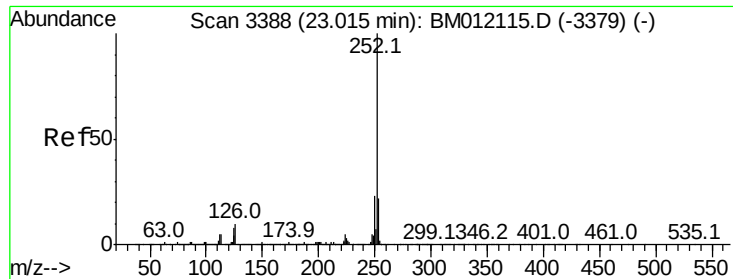
Tot Ion:149 Resp: 109129
 Ion Ratio Lower Upper
 149 100
 167 37.5 22.8 34.2#
 279 17.1 4.9 7.3#



#82
 Chrysene
 Concen: 45.393 ng/ul
 RT: 21.47 min Scan# 3125
 Delta R.T. 0.03 min
 Lab File: BM012121.D
 Acq: 13 Oct 2017 04:40

Tgt Ion:228 Resp: 4509494
 Ion Ratio Lower Upper
 228 100
 226 30.5 23.4 35.2
 229 22.9 15.5 23.3





#85

Benzo(b)fluoranthene

Concen: 51.393 ng/ul

RT: 23.06 min Scan# 3396

Delta R.T. 0.05 min

Lab File: BM012121.D

Acq: 13 Oct 2017 04:40

Instrument :

BNA_M

ClientSampleId :

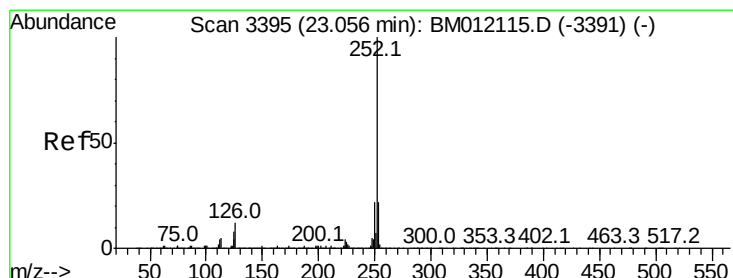
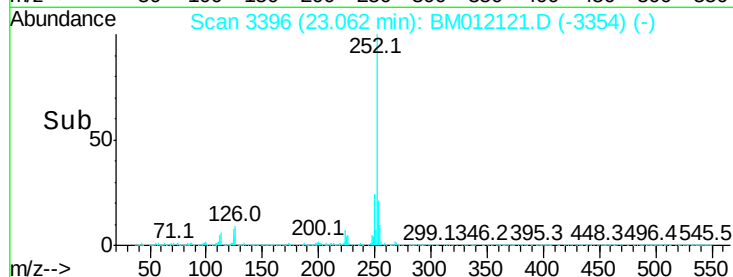
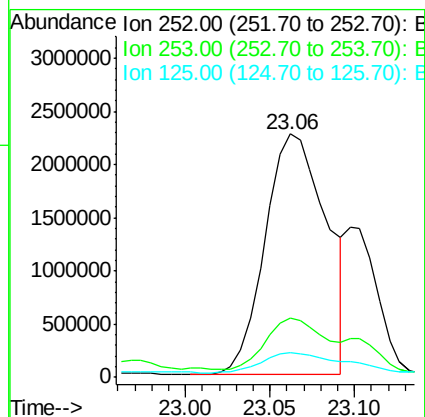
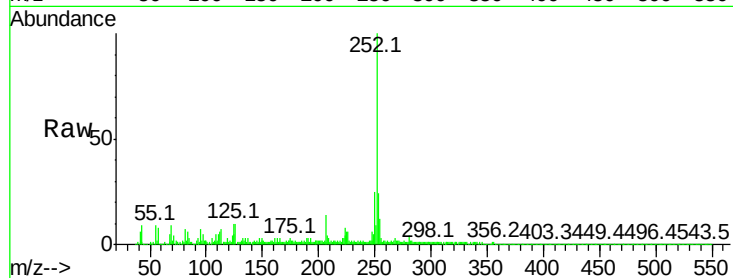
Tot Ion:252 Resp: 5708372

Ion Ratio Lower Upper

252 100

253 24.1 17.9 26.9

125 10.2 3.6 5.4#



#86

Benzo(k)fluoranthene

Concen: 53.330 ng/ul

RT: 23.06 min Scan# 3396

Delta R.T. 0.01 min

Lab File: BM012121.D

Acq: 13 Oct 2017 04:40

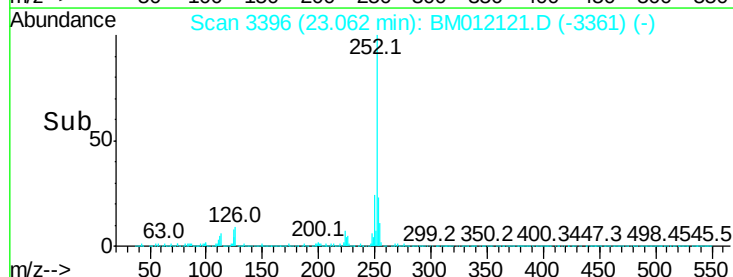
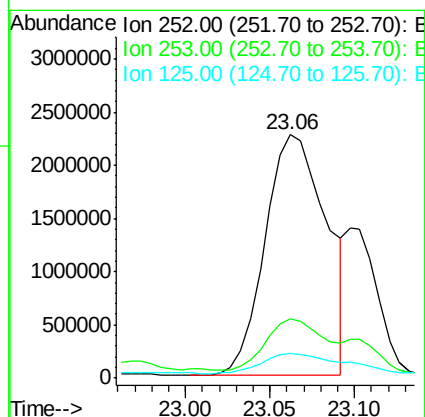
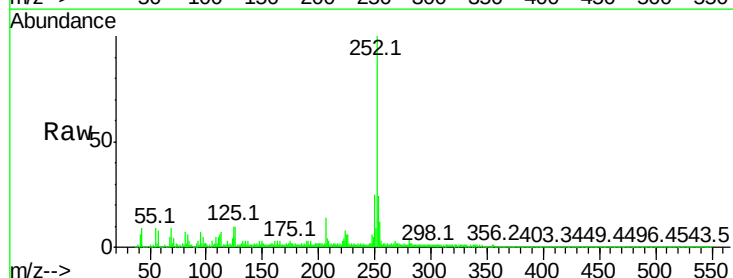
Tgt Ion:252 Resp: 5708372

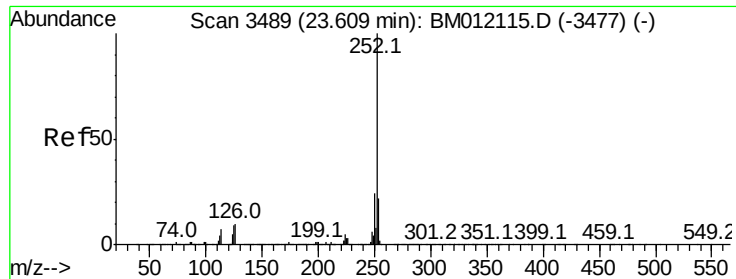
Ion Ratio Lower Upper

252 100

253 24.1 17.1 25.7

125 10.2 3.4 5.2#





#88

Benzo(a)pyrene

Concen: 40.383 ng/ul

RT: 23.67 min Scan# 3499

Delta R.T. 0.06 min

Lab File: BM012121.D

Acq: 13 Oct 2017 04:40

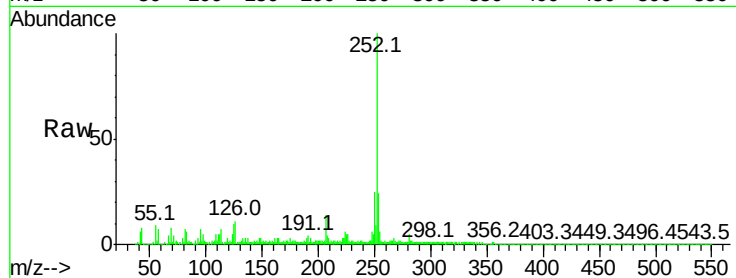
Instrument :

BNA_M

ClientSampleId :

Tot Ion:252 Resp: 4227639

Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.2	27.2
125	10.1	4.0	6.0

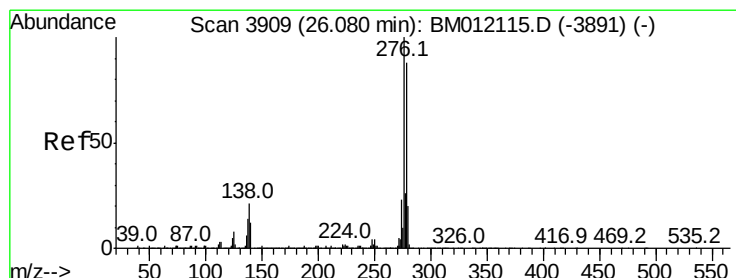
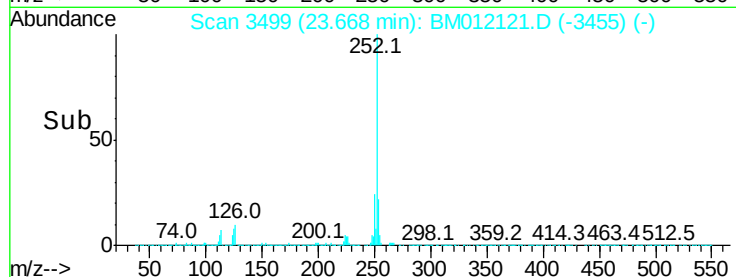
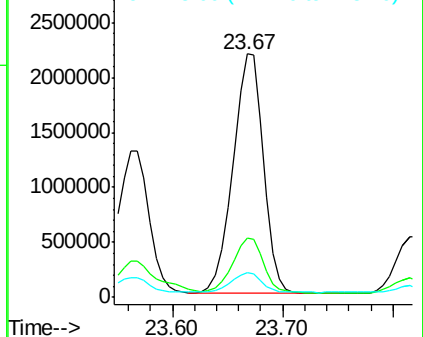


Abundance

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: 22.463 ng/ul

RT: 26.17 min Scan# 3925

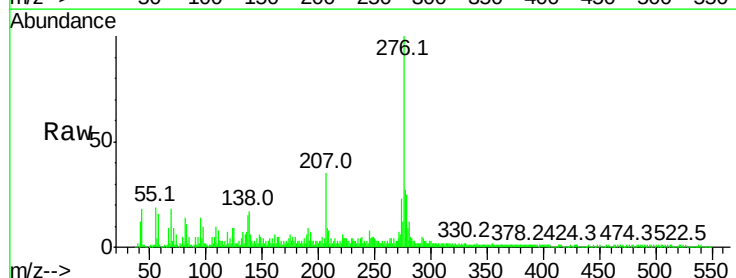
Delta R.T. 0.09 min

Lab File: BM012121.D

Acq: 13 Oct 2017 04:40

Tgt Ion:276 Resp: 2497277

Ion	Ratio	Lower	Upper
276	100		
138	17.3	9.3	13.9
277	26.7	19.9	29.9

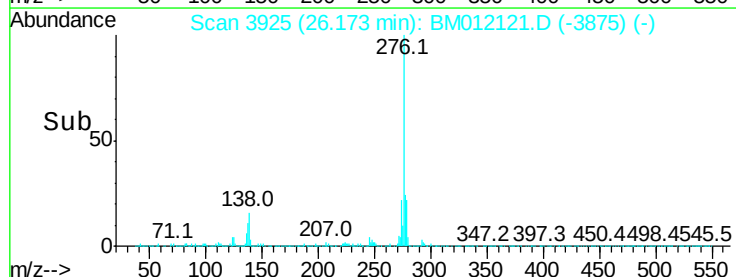
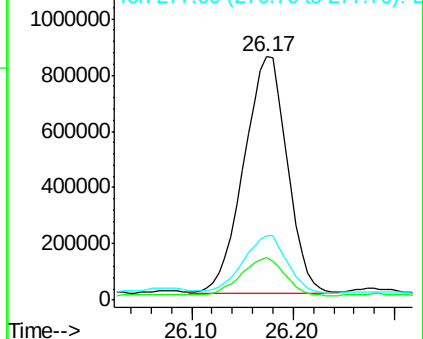


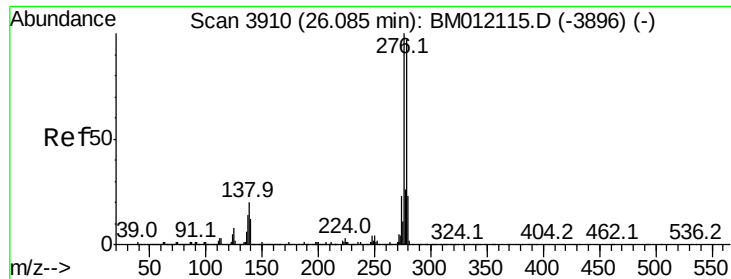
Abundance

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





#90

Dibenzo(a,h)anthracene

Concen: 7.557 ng/ul

RT: 26.17 min Scan# 3925

Delta R.T. 0.09 min

Lab File: BM012121.D

Acq: 13 Oct 2017 04:40

Instrument :

BNA_M

ClientSampleId :

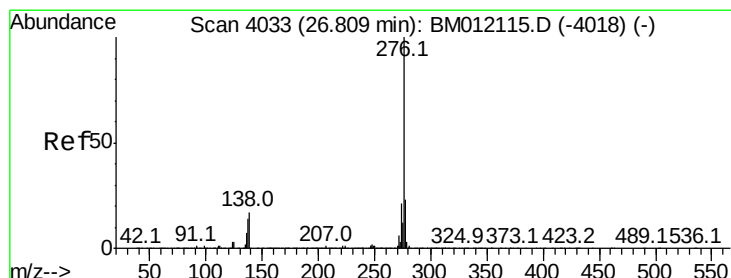
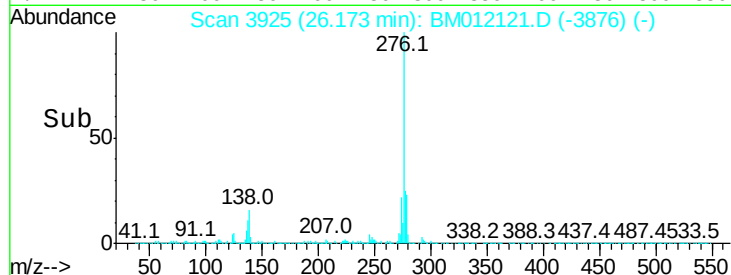
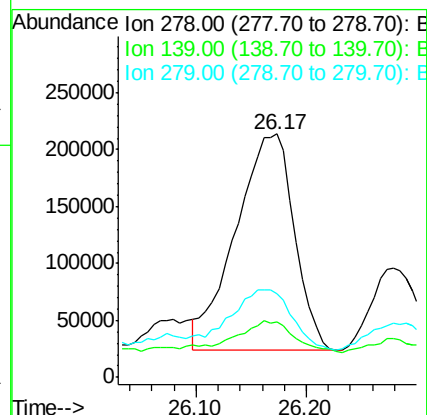
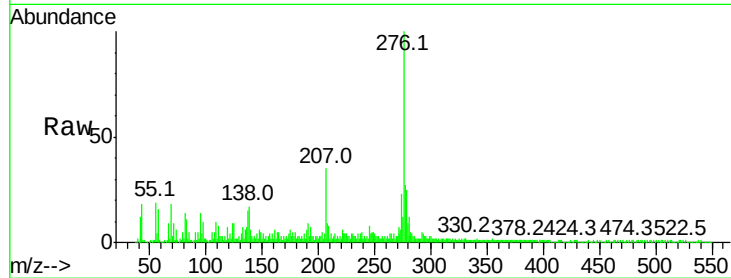
Tot Ion:278 Resp: 706258

Ion Ratio Lower Upper

278 100

139 22.9 5.8 8.8#

279 34.5 18.6 27.8#



#91

Benzo(g,h,i)perylene

Concen: 24.069 ng/ul

RT: 26.92 min Scan# 4052

Delta R.T. 0.11 min

Lab File: BM012121.D

Acq: 13 Oct 2017 04:40

Tgt Ion:276 Resp: 2191519

Ion Ratio Lower Upper

276 100

138 17.2 8.5 12.7#

277 25.8 18.6 28.0

