

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102017\
 Data File : BM012341.D
 Acq On : 21 Oct 2017 04:13
 Operator : SJ/JU
 Sample : I5656-18
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B0CD6

Quant Time: Oct 23 02:45:46 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Oct 23 02:34:17 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	258903	20.00	ng/ul	0.00
18) Naphthalene-d8	10.57	136	1170772	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.42	164	717353	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.18	188	1598594	20.00	ng/ul	0.00
75) Chrysene-d12	21.36	240	1397742	20.00	ng/ul	0.00
83) Perylene-d12	23.65	264	1098767	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.20	96	31407	5.76	ng/uL	0.00
5) Phenol-d5	6.94	99	638429	30.39	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.10	67	431122	34.22	ng/ul	0.00
9) 2-Chlorophenol-d4	7.30	132	600925	33.73	ng/ul	0.00
13) 4-Methylphenol-d8	8.49	113	593714	32.83	ng/ul	0.00
19) Nitrobenzene-d5	8.94	128	293967	32.90	ng/ul	0.00
22) 2-Nitrophenol-d4	9.66	143	359038	34.39	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.20	165	651889	32.71	ng/ul	0.00
29) 4-Chloroaniline-d4	10.72	131	751284	40.28	ng/ul	0.00
43) Dimethylphthalate-d6	13.84	166	2331221	36.77	ng/ul	0.00
46) Acenaphthylene-d8	14.12	160	2787199	36.32	ng/ul	0.00
51) 4-Nitrophenol-d4	14.67	143	169249	17.76	ng/ul	0.00
57) Fluorene-d10	15.42	176	1940964	37.30	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.57	200	254736	23.22	ng/ul	0.00
70) Anthracene-d10	17.27	188	2909794	36.81	ng/ul	0.00
76) Pyrene-d10	19.57	212	3195172	45.03	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.51	264	1991451	37.60	ng/ul	0.00

Target Compounds

				Ovalue	
6) Phenol	6.97	94	126716	5.835	ng/ul# 85
15) N-Nitroso-di-n-propylamine	8.48	70	17373	1.179	ng/ul# 1
28) Naphthalene	10.62	128	315012	5.201	ng/ul 100
30) 4-Chloroaniline	10.62	127	41748	2.276	ng/ul# 17
34) 2-Methylnaphthalene	12.24	142	92957	2.034	ng/ul 94
44) Dimethylphthalate	13.88	163	473968	7.462	ng/ul# 99
49) Acenaphthene	14.49	153	286517	5.644	ng/ul 98
53) Dibenzofuran	14.83	168	280131	3.832	ng/ul 97
58) Fluorene	15.48	166	415482	6.844	ng/ul 97
69) Phenanthrene	17.22	178	4313378	47.431	ng/ul 99
71) Anthracene	17.31	178	1081178	11.484	ng/ul 99
72) Carbazole	17.58	167	496916	6.237	ng/ul 99
74) Fluoranthene	19.24	202	5014489	45.692	ng/ul# 95
77) Pyrene	19.60	202	3644204	39.478	ng/ul# 94
80) Benzo(a)anthracene	21.34	228	1972593	21.689	ng/ul 98
82) Chrysene	21.39	228	1748673	20.479	ng/ul 98
85) Benzo(b)fluoranthene	22.96	252	1599116	22.302	ng/ul# 97
86) Benzo(k)fluoranthene	22.96	252	1599116	23.142	ng/ul# 98
88) Benzo(a)pyrene	23.55	252	1035372	15.320	ng/ul# 95
89) Indeno(1,2,3-cd)pyrene	25.99	276	626015	8.723	ng/ul 98
90) Dibenzo(a,h)anthracene	25.99	278	198039	3.283	ng/ul# 88
91) Benzo(a,h,i)perylene	26.72	276	430725	7.328	ng/ul# 93

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Response via : Initial Calibration

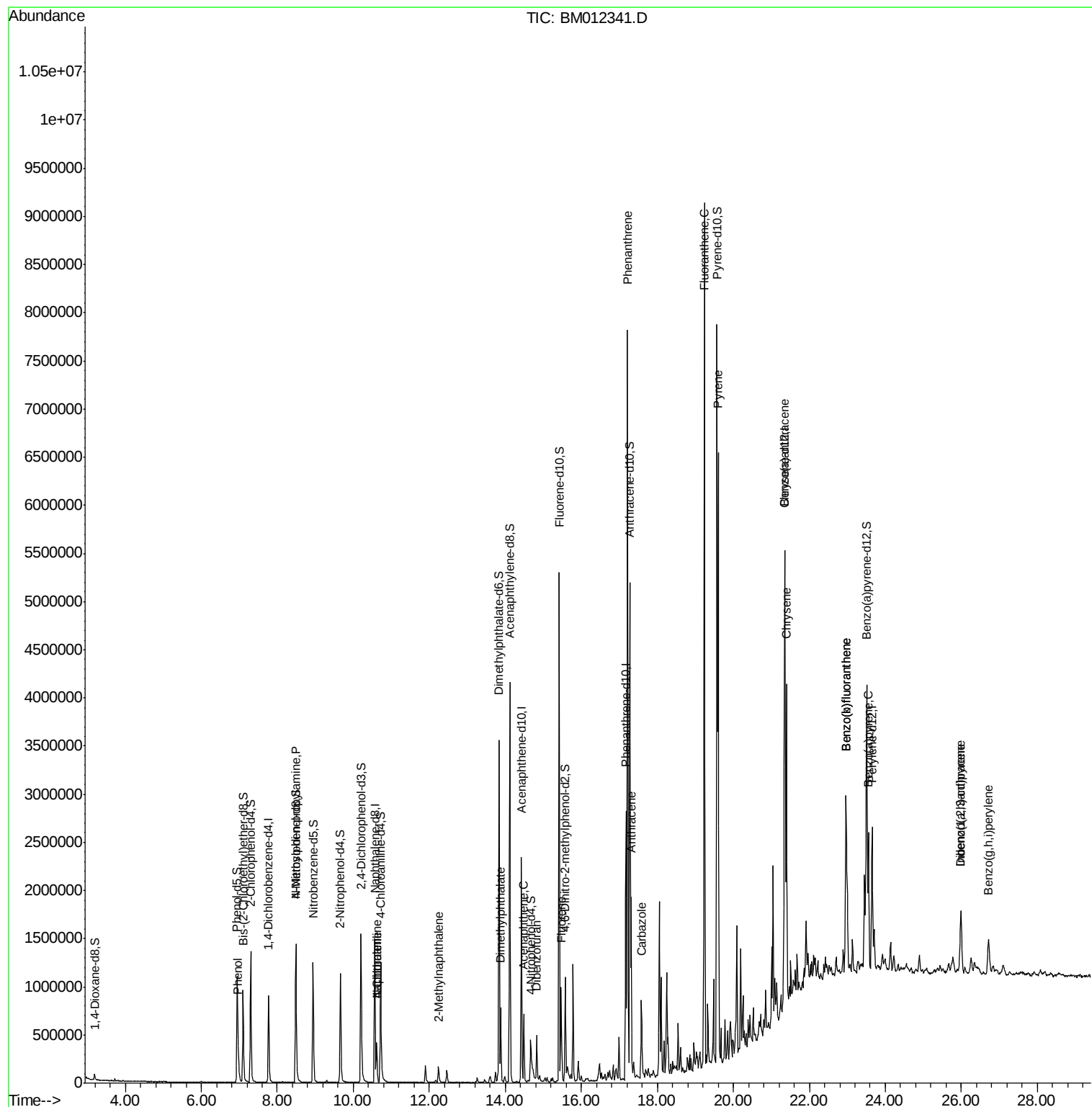
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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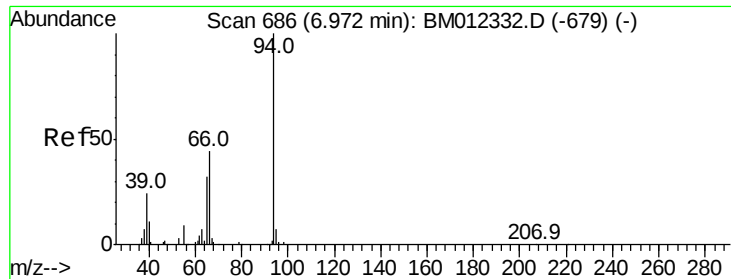
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 5.835 ng/ul

RT: 6.97 min Scan# 686

Delta R.T. 0.00 min

Lab File: BM012341.D

Acq: 21 Oct 2017 04:13

Instrument :

BNA_M

ClientSampleId :

B0CD6

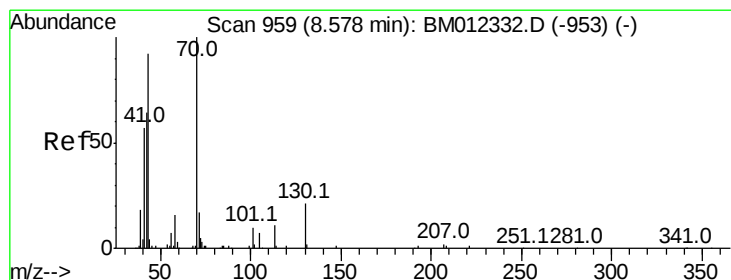
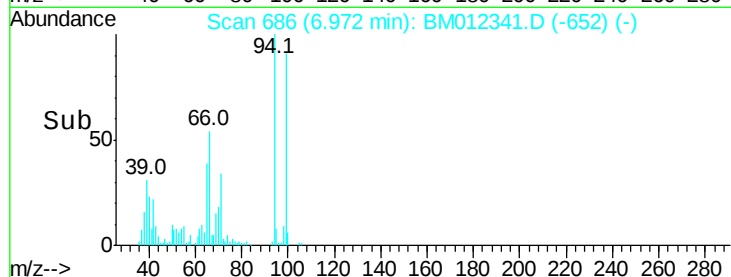
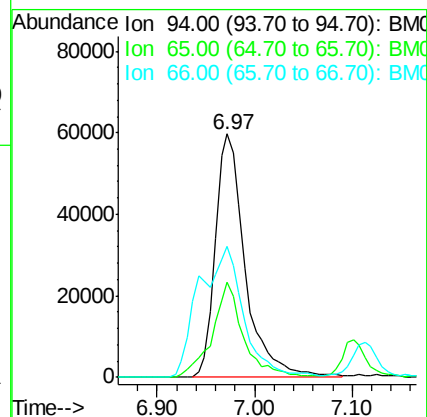
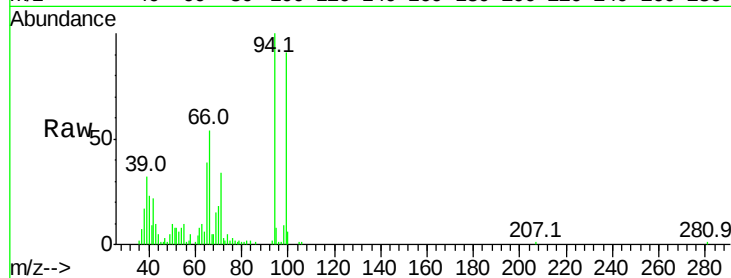
Tot Ion: 94 Resp: 126716

Ion Ratio Lower Upper

94 100

65 38.9 24.4 36.6#

66 53.6 35.0 52.4#



#15

N-Nitroso-di-n-propylamine

Concen: 1.179 ng/ul

RT: 8.48 min Scan# 943

Delta R.T. -0.09 min

Lab File: BM012341.D

Acq: 21 Oct 2017 04:13

Tgt Ion: 70 Resp: 17373

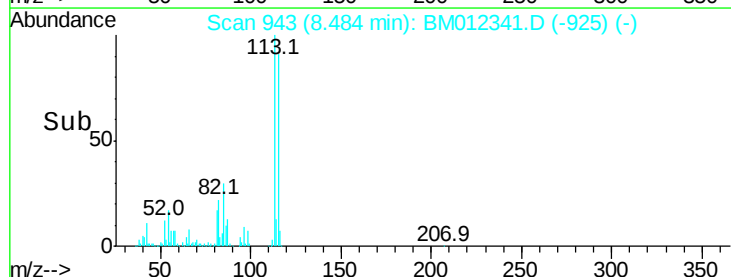
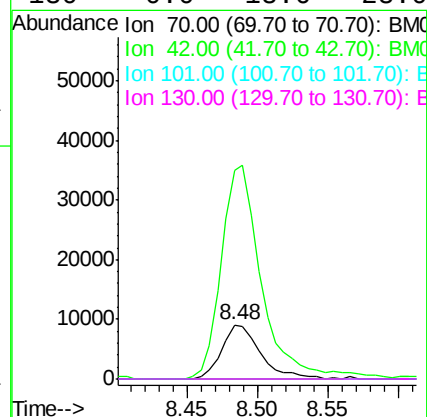
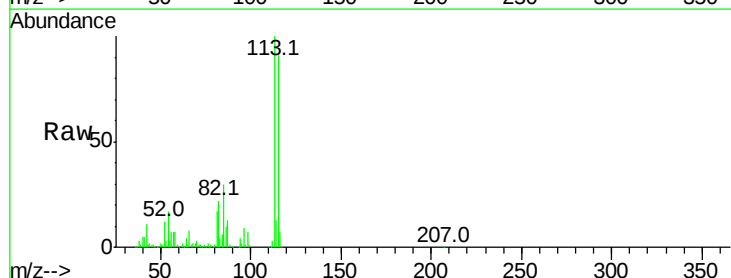
Ion Ratio Lower Upper

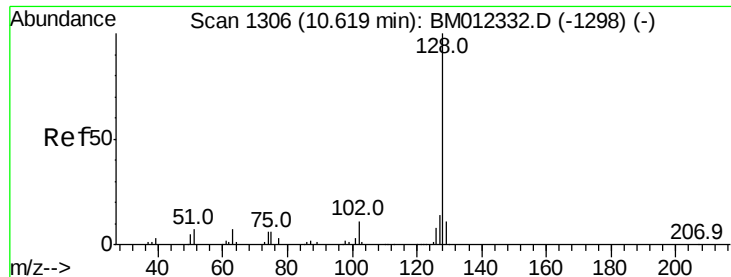
70 100

42 385.4 43.0 64.4#

101 0.0 8.2 12.2#

130 0.0 18.6 28.0#





#28

Naphthalene

Concen: 5.201 ng/ul

RT: 10.62 min Scan# 1306

Delta R.T. 0.00 min

Lab File: BM012341.D

Acq: 21 Oct 2017 04:13

Instrument :

BNA_M

ClientSampleId :

B0CD6

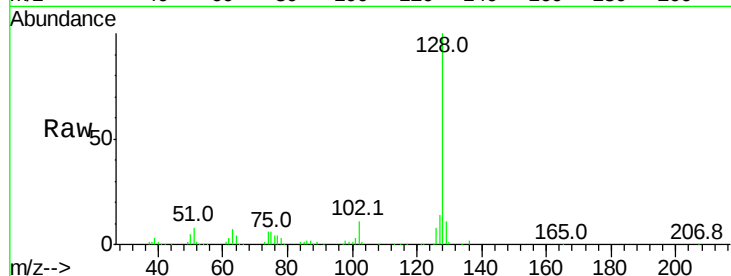
Tot Ion:128 Resp: 315012

Ion Ratio Lower Upper

128 100

129 11.3 9.2 13.8

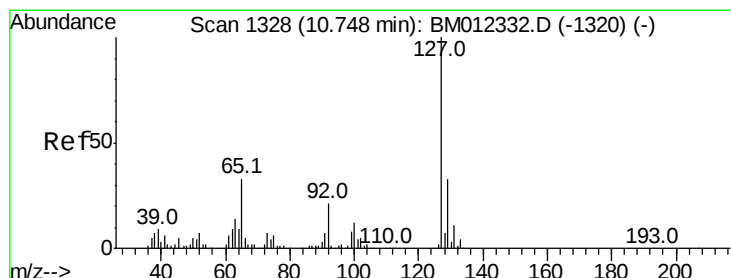
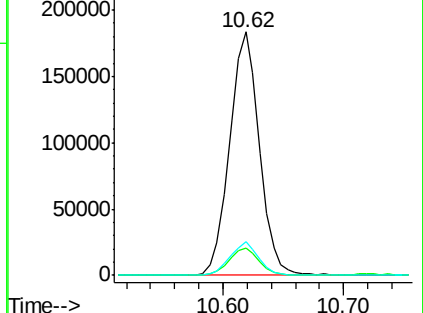
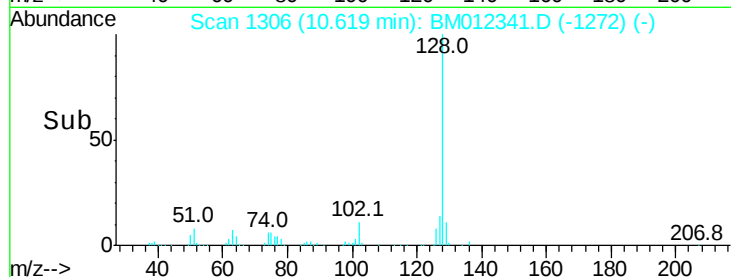
127 14.1 11.4 17.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#30

4-Chloroaniline

Concen: 2.276 ng/ul

RT: 10.62 min Scan# 1306

Delta R.T. -0.13 min

Lab File: BM012341.D

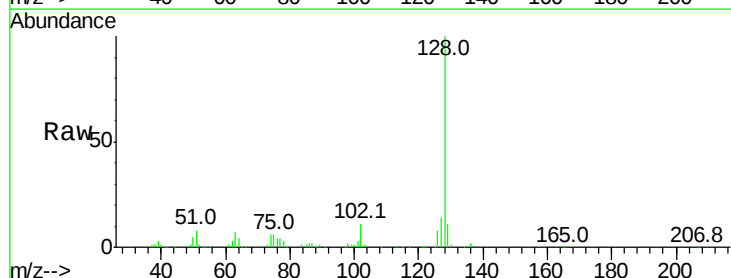
Acq: 21 Oct 2017 04:13

Tgt Ion:127 Resp: 41748

Ion Ratio Lower Upper

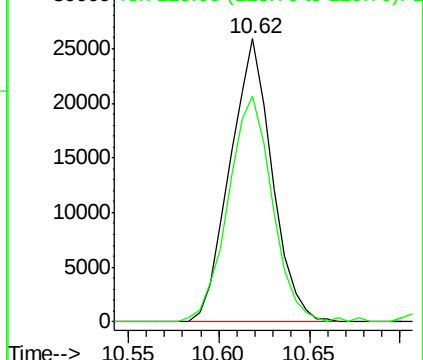
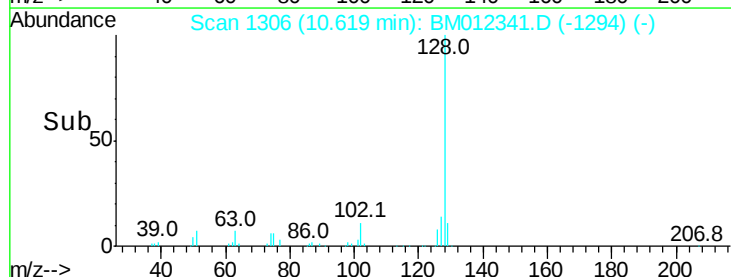
127 100

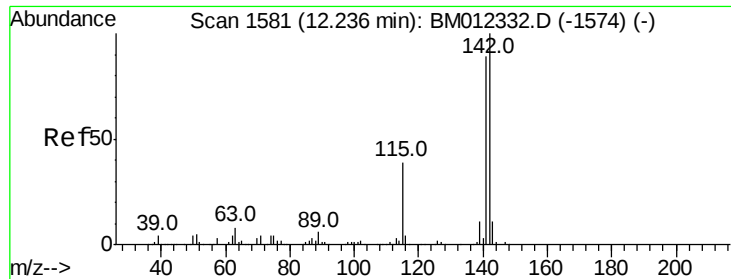
129 79.9 26.5 39.7#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

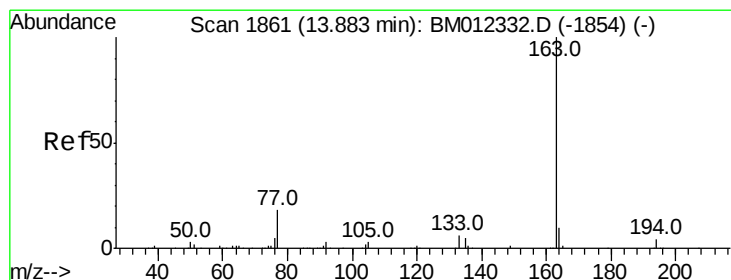
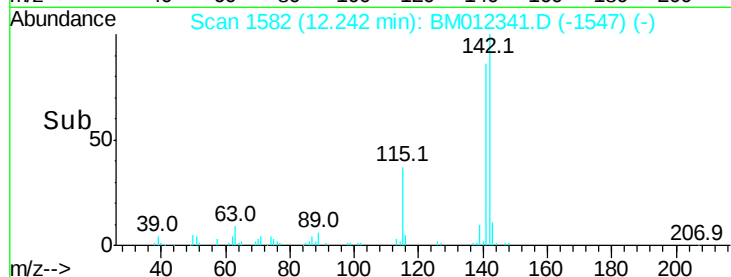
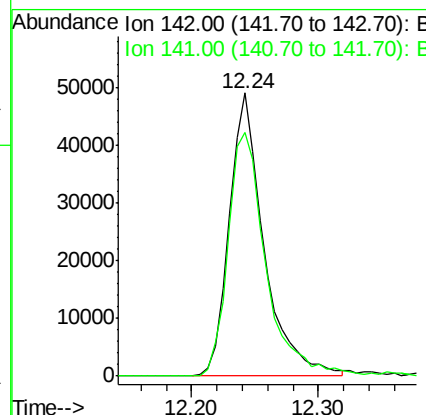
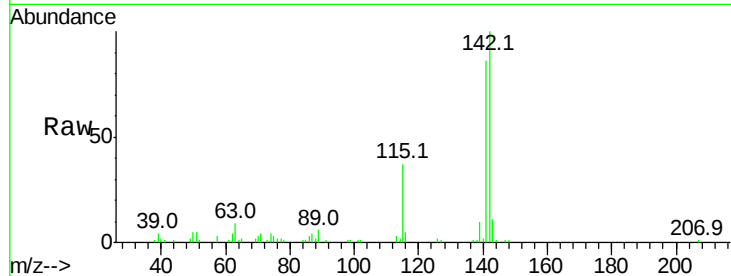




#34
 2-Methylnaphthalene
 Concen: 2.034 ng/ul
 RT: 12.24 min Scan# 1582
 Delta R.T. 0.01 min
 Lab File: BM012341.D
 Acq: 21 Oct 2017 04:13

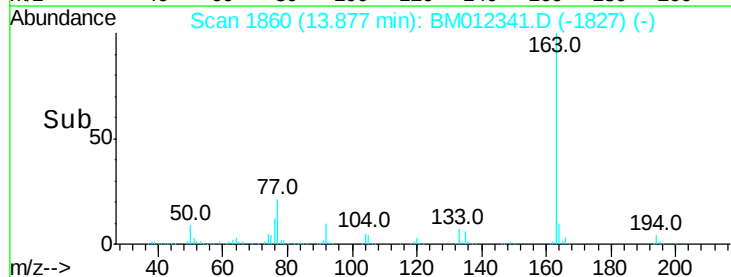
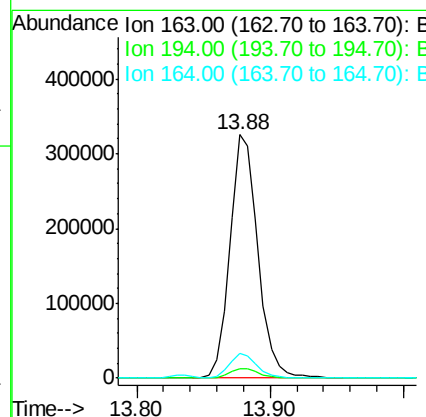
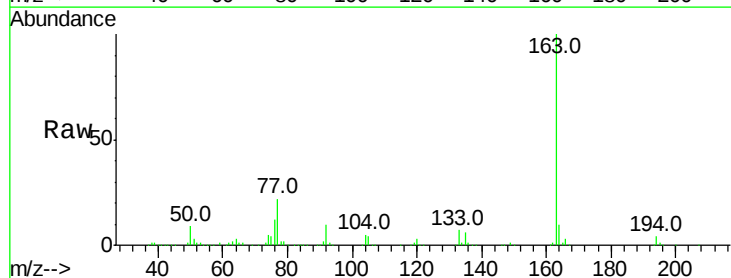
Instrument :
 BNA_M
 ClientSampled :
 B0CD6

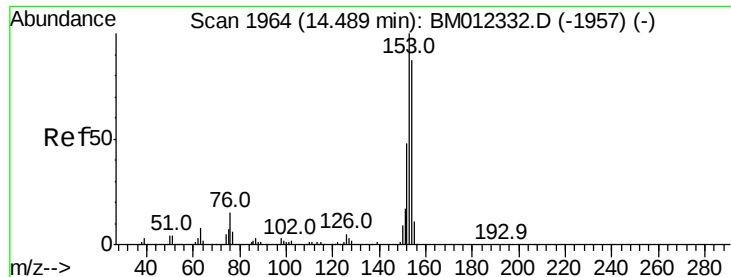
Tot Ion:142 Resp: 92957
 Ion Ratio Lower Upper
 142 100
 141 86.1 73.6 110.4



#44
 Dimethylphthalate
 Concen: 7.462 ng/ul
 RT: 13.88 min Scan# 1860
 Delta R.T. -0.01 min
 Lab File: BM012341.D
 Acq: 21 Oct 2017 04:13

Tgt Ion:163 Resp: 473968
 Ion Ratio Lower Upper
 163 100
 194 3.6 3.7 5.5#
 164 10.2 8.1 12.1





#49

Acenaphthene

Concen: 5.644 ng/ul

RT: 14.49 min Scan# 1964

Delta R.T. -0.00 min

Lab File: BM012341.D

Acq: 21 Oct 2017 04:13

Instrument :

BNA_M

ClientSampleId :

B0CD6

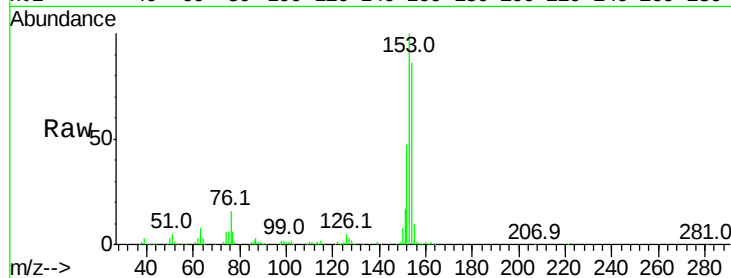
Tot Ion:153 Resp: 286517

Ion Ratio Lower Upper

153 100

152 46.6 37.4 56.0

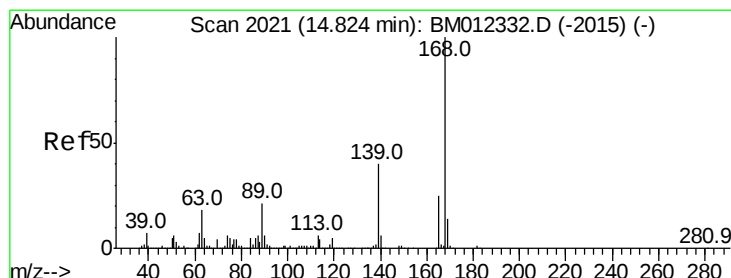
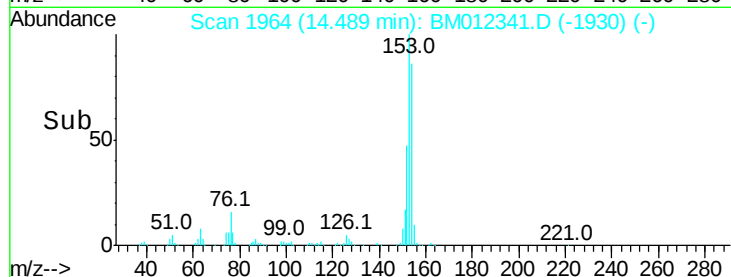
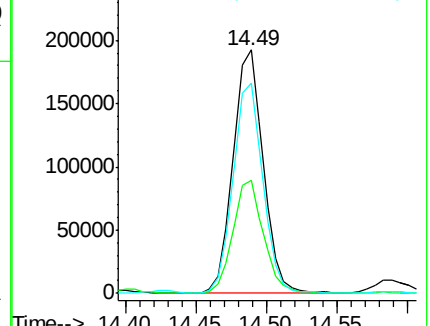
154 86.2 71.1 106.7



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: 3.832 ng/ul

RT: 14.83 min Scan# 2022

Delta R.T. 0.01 min

Lab File: BM012341.D

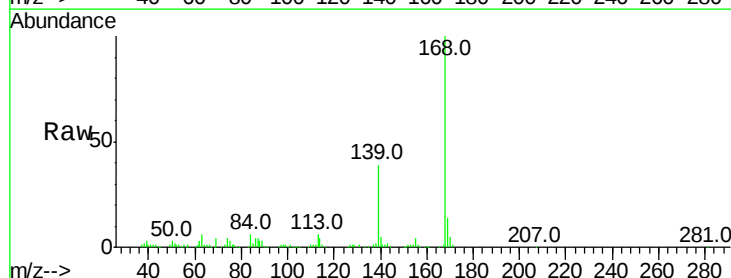
Acq: 21 Oct 2017 04:13

Tgt Ion:168 Resp: 280131

Ion Ratio Lower Upper

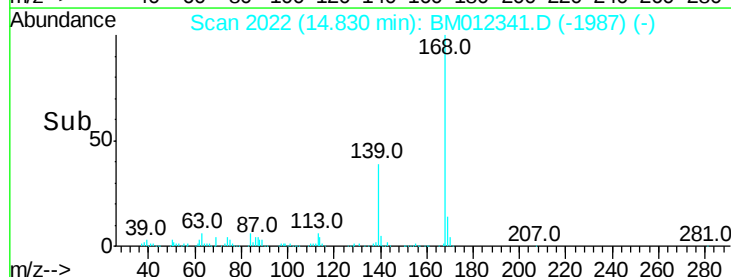
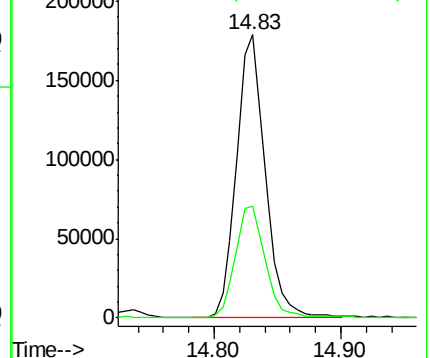
168 100

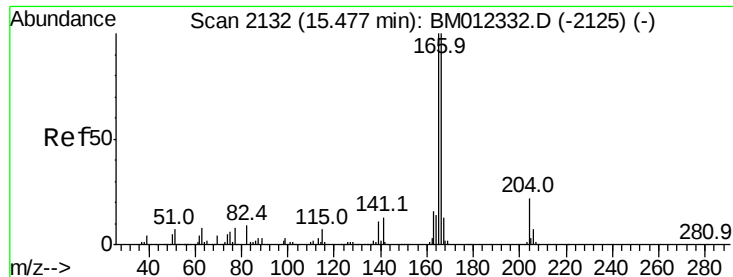
139 39.3 30.2 45.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 6.844 ng/ul

RT: 15.48 min Scan# 2132

Delta R.T. 0.00 min

Lab File: BM012341.D

Acq: 21 Oct 2017 04:13

Instrument :

BNA_M

ClientSampleId :

B0CD6

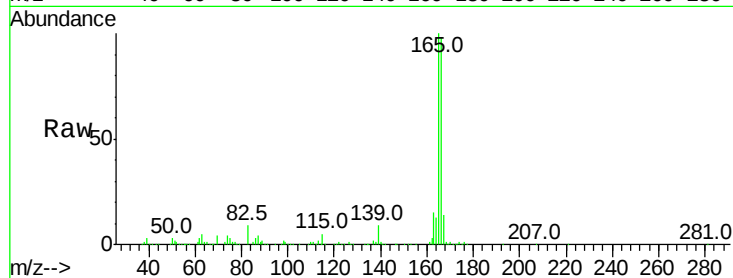
Tot Ion:166 Resp: 415482

Ion Ratio Lower Upper

166 100

165 101.6 79.0 118.6

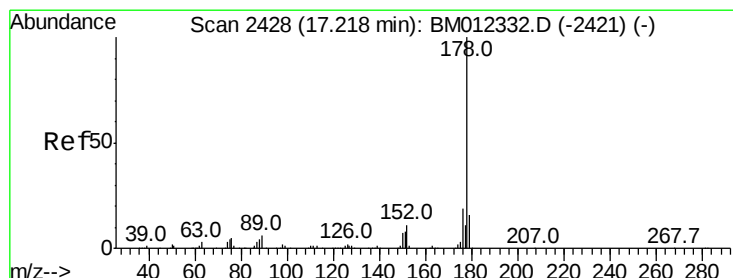
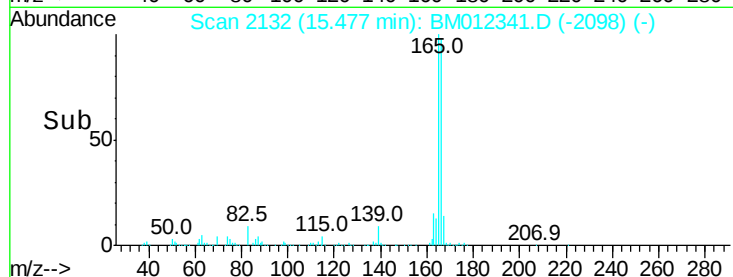
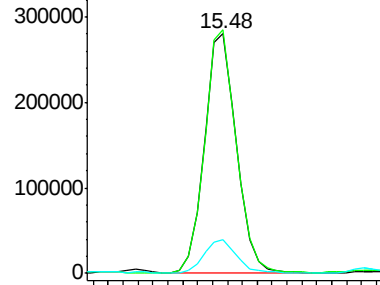
167 14.1 10.8 16.2



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



#69

Phenanthrene

Concen: 47.431 ng/ul

RT: 17.22 min Scan# 2428

Delta R.T. -0.00 min

Lab File: BM012341.D

Acq: 21 Oct 2017 04:13

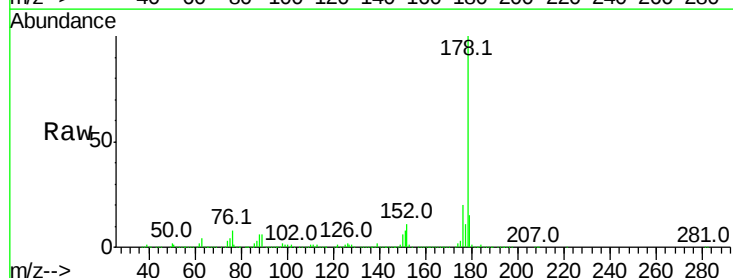
Tgt Ion:178 Resp: 4313378

Ion Ratio Lower Upper

178 100

179 15.4 12.0 18.0

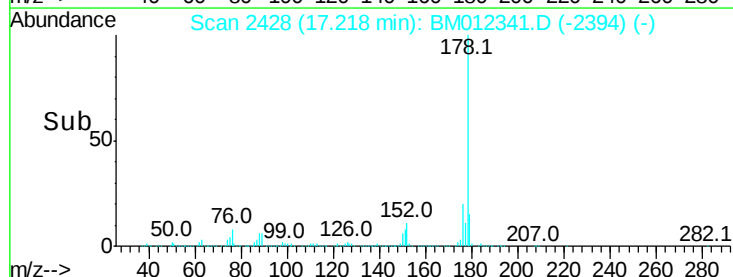
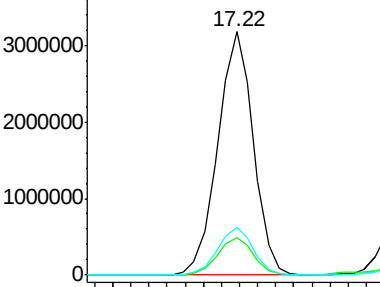
176 19.6 15.0 22.6

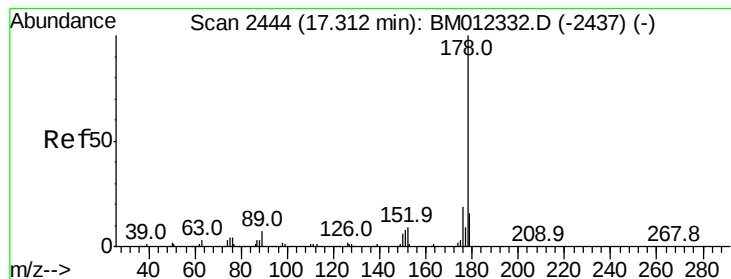


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 11.484 ng/ul

RT: 17.31 min Scan# 2443

Delta R.T. -0.01 min

Lab File: BM012341.D

Acq: 21 Oct 2017 04:13

Instrument :

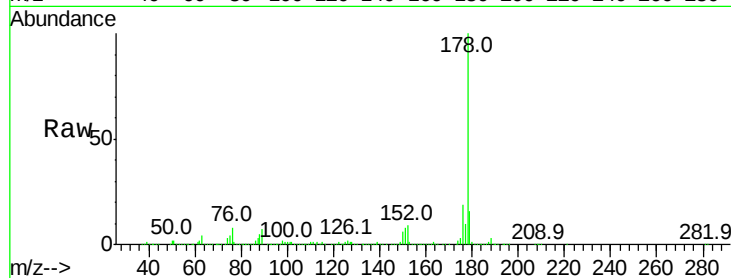
BNA_M

ClientSampleId :

B0CD6

Tot Ion:178 Resp: 1081178

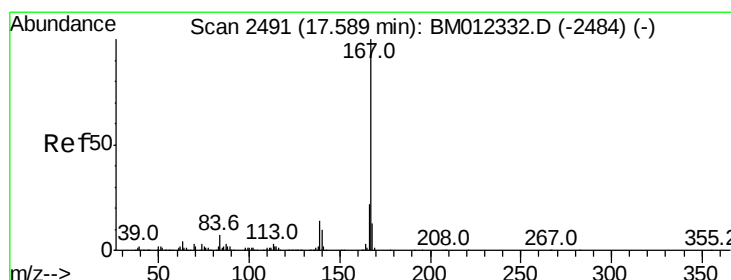
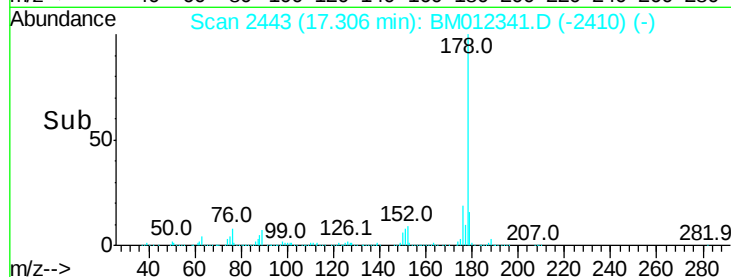
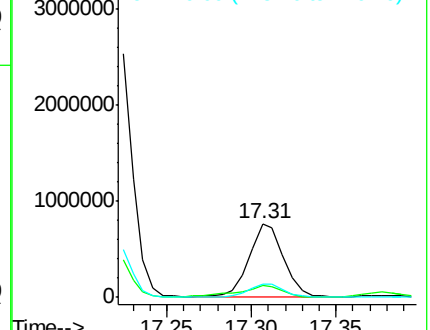
Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.2	18.4
176	18.7	14.7	22.1



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: 6.237 ng/ul

RT: 17.58 min Scan# 2490

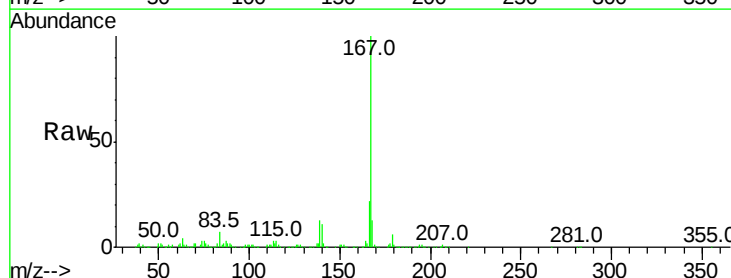
Delta R.T. -0.01 min

Lab File: BM012341.D

Acq: 21 Oct 2017 04:13

Tgt Ion:167 Resp: 496916

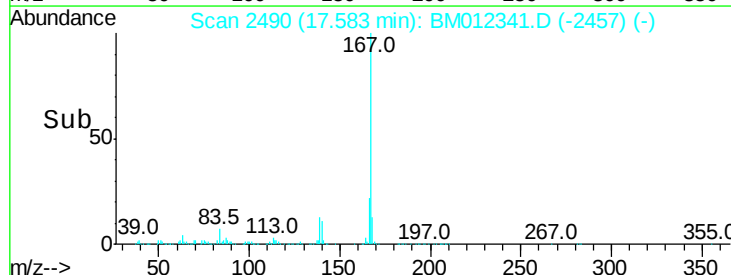
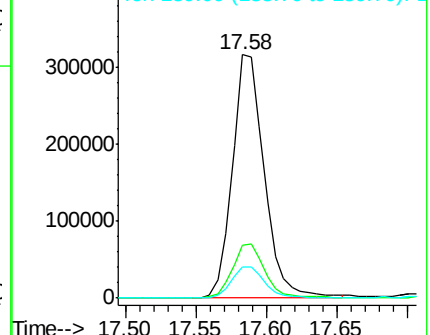
Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.8	26.6
139	13.0	10.6	15.8

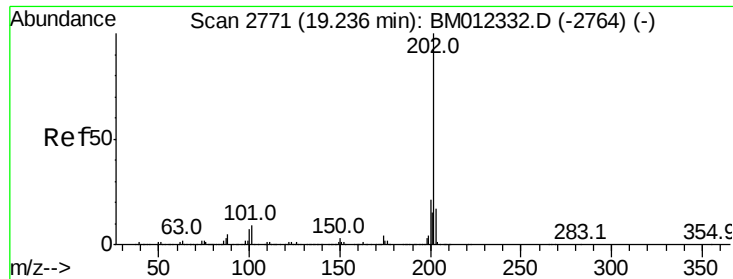


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 45.692 ng/ul

RT: 19.24 min Scan# 2771

Delta R.T. -0.00 min

Lab File: BM012341.D

Acq: 21 Oct 2017 04:13

Instrument :

BNA_M

ClientSampleId :

B0CD6

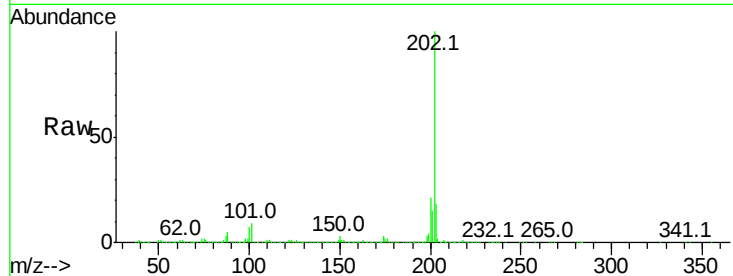
Tot Ion:202 Resp: 5014489

Ion	Ratio	Lower	Upper
202	100		
101	9.0	5.8	8.6#
100	7.2	4.3	6.5#

202 100

101 9.0 5.8 8.6#

100 7.2 4.3 6.5#

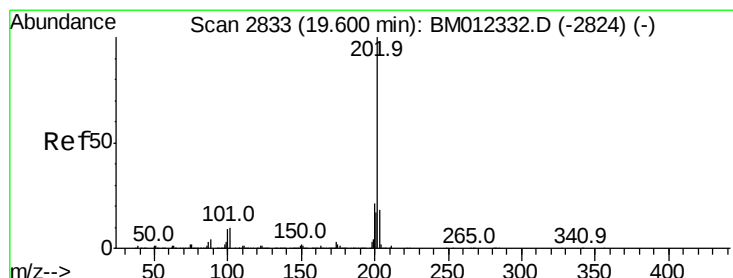
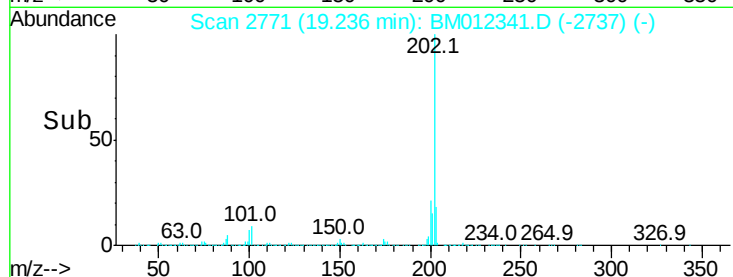
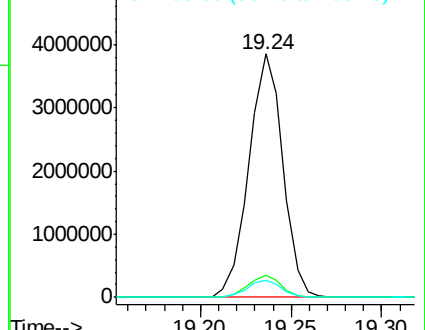


Abundance

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: 39.478 ng/ul

RT: 19.60 min Scan# 2833

Delta R.T. -0.00 min

Lab File: BM012341.D

Acq: 21 Oct 2017 04:13

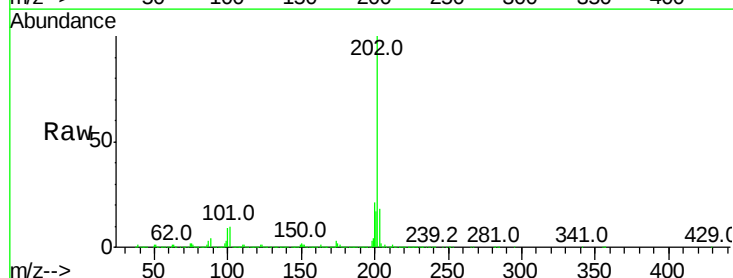
Tgt Ion:202 Resp: 3644204

Ion	Ratio	Lower	Upper
202	100		
101	10.1	6.5	9.7#
100	8.8	5.6	8.4#

202 100

101 10.1 6.5 9.7#

100 8.8 5.6 8.4#

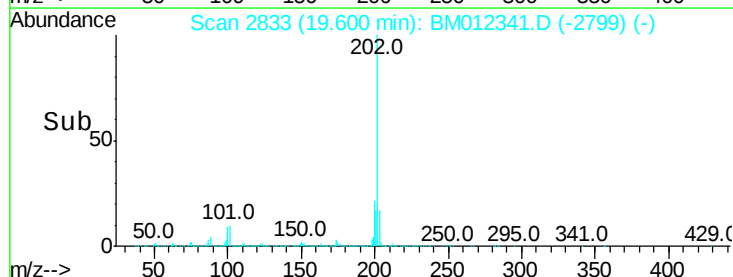
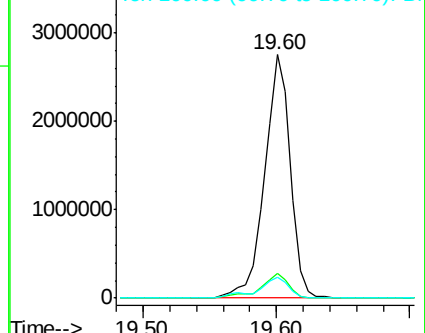


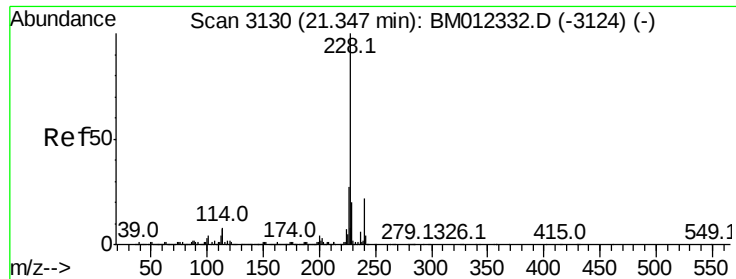
Abundance

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: 21.689 ng/ul

RT: 21.34 min Scan# 3129

Delta R.T. -0.01 min

Lab File: BM012341.D

Acq: 21 Oct 2017 04:13

Instrument :

BNA_M

ClientSampleId :

B0CD6

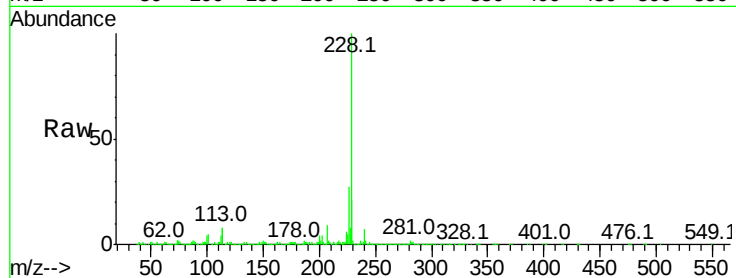
Tot Ion:228 Resp: 1972593

Ion Ratio Lower Upper

228 100

229 20.7 15.8 23.8

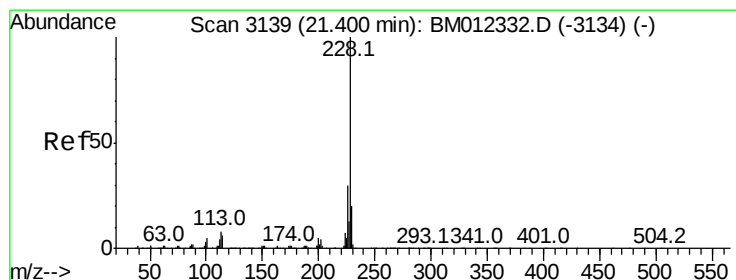
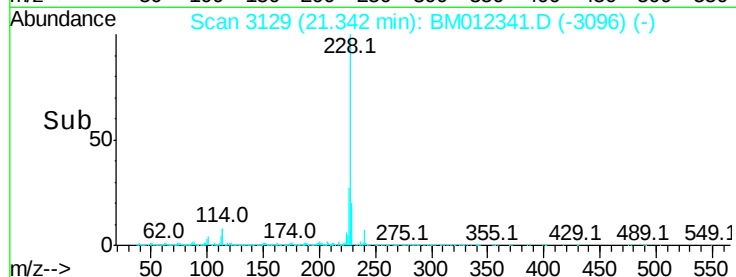
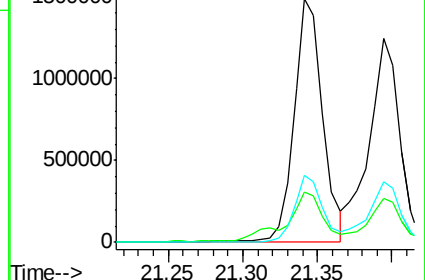
226 27.5 21.4 32.2



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



#82

Chrysene

Concen: 20.479 ng/ul

RT: 21.39 min Scan# 3138

Delta R.T. -0.01 min

Lab File: BM012341.D

Acq: 21 Oct 2017 04:13

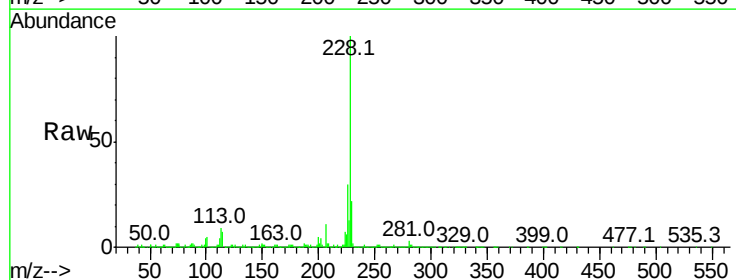
Tgt Ion:228 Resp: 1748673

Ion Ratio Lower Upper

228 100

226 29.9 24.0 36.0

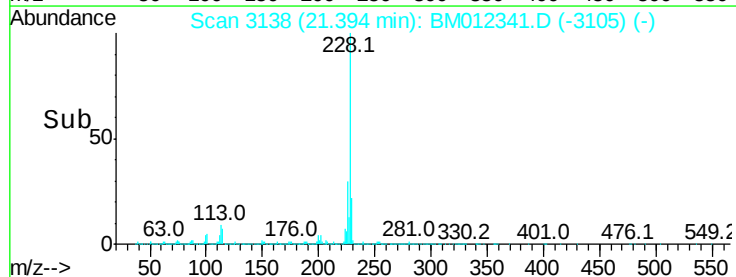
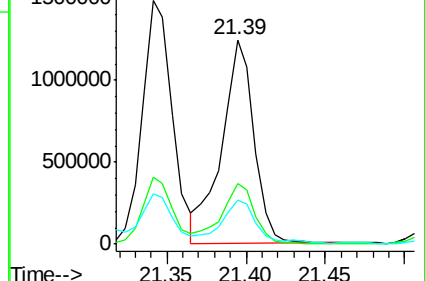
229 21.8 15.5 23.3

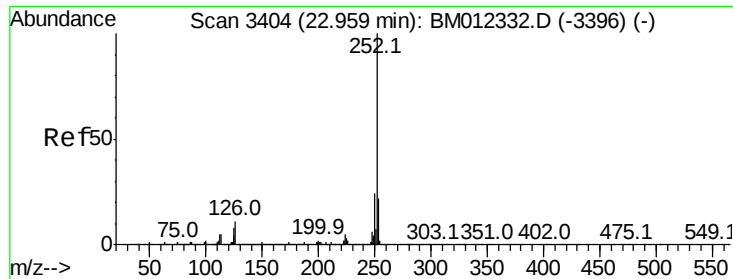


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 22.302 ng/ul

RT: 22.96 min Scan# 3404

Delta R.T. 0.00 min

Lab File: BM012341.D

Acq: 21 Oct 2017 04:13

Instrument :

BNA_M

ClientSampleId :

B0CD6

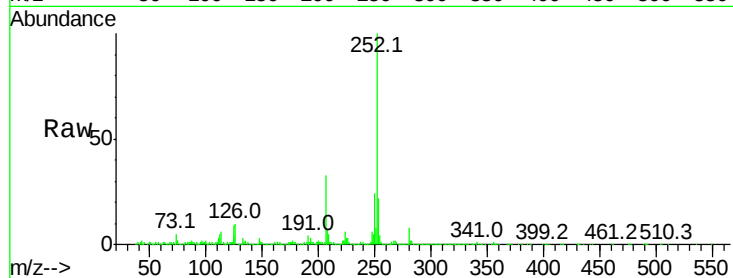
Tot Ion:252 Resp: 1599116

Ion Ratio Lower Upper

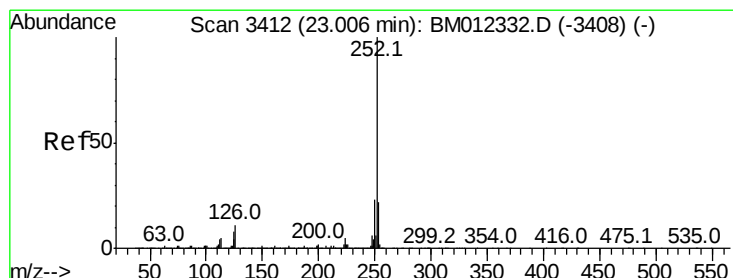
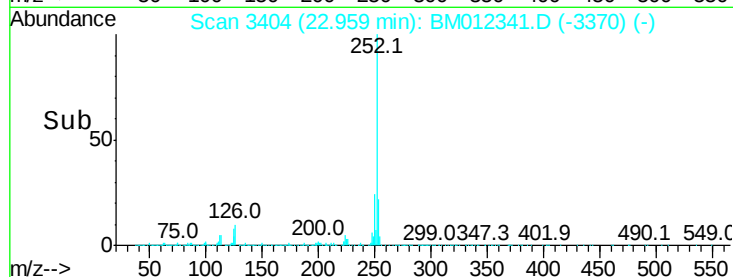
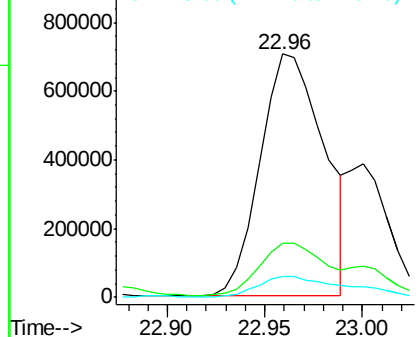
252 100

253 22.5 17.4 26.2

125 8.6 5.1 7.7#



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: 23.142 ng/ul

RT: 22.96 min Scan# 3404

Delta R.T. -0.05 min

Lab File: BM012341.D

Acq: 21 Oct 2017 04:13

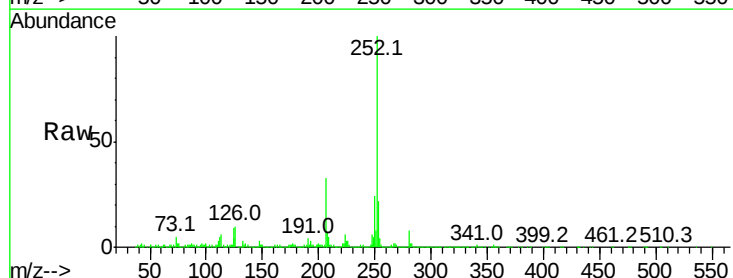
Tgt Ion:252 Resp: 1599116

Ion Ratio Lower Upper

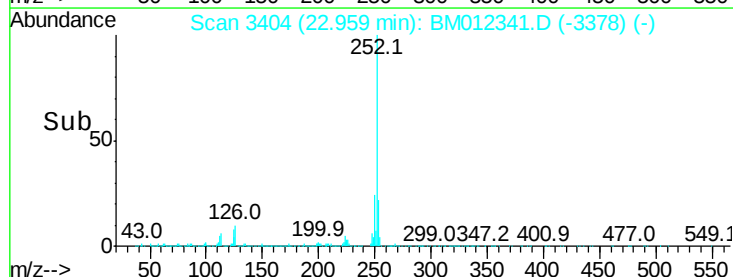
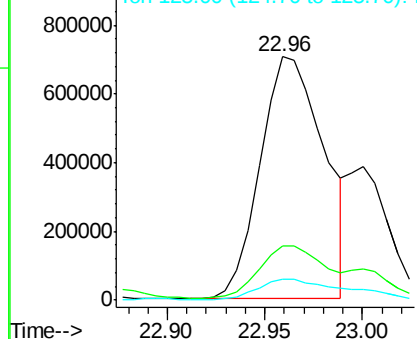
252 100

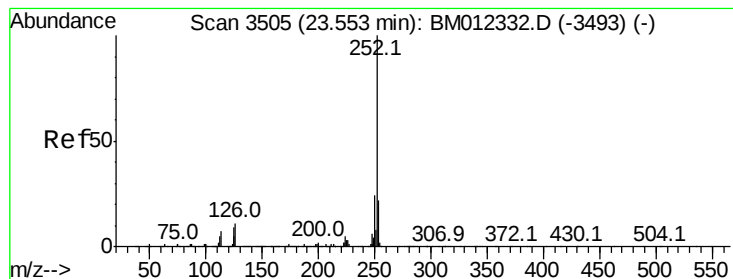
253 22.5 17.8 26.6

125 8.6 4.9 7.3#



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: 15.320 ng/ul

RT: 23.55 min Scan# 3505

Delta R.T. -0.00 min

Lab File: BM012341.D

Acq: 21 Oct 2017 04:13

Instrument :

BNA_M

ClientSampleId :

B0CD6

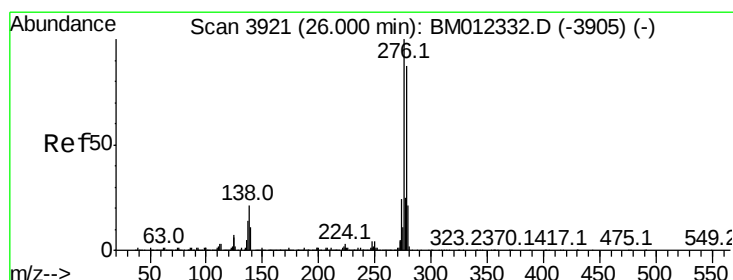
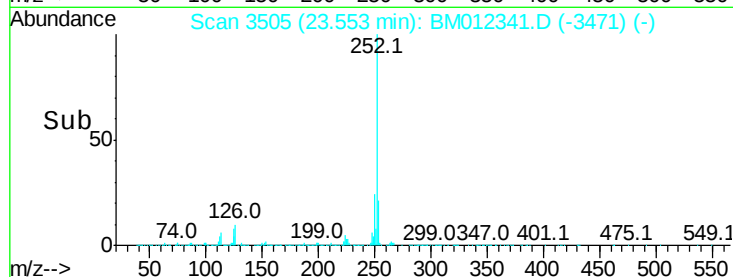
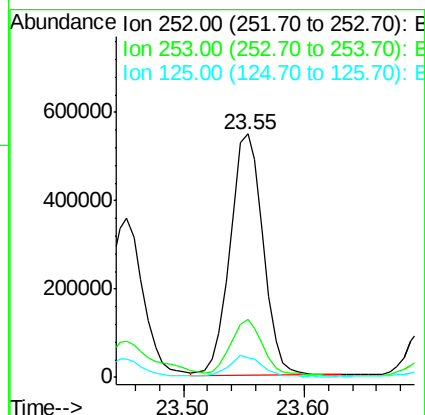
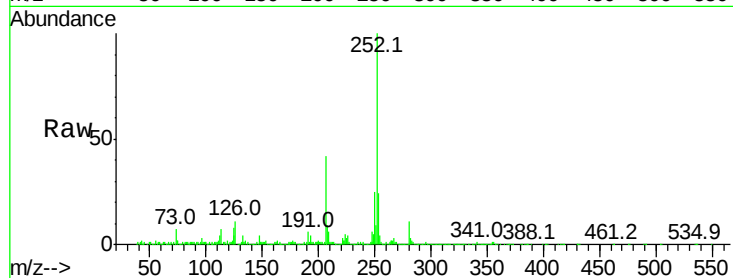
Tot Ion:252 Resp: 1035372

Ion Ratio Lower Upper

252 100

253 23.6 17.1 25.7

125 8.3 5.2 7.8#



#89

Indeno(1,2,3-cd)pyrene

Concen: 8.723 ng/ul

RT: 25.99 min Scan# 3919

Delta R.T. -0.01 min

Lab File: BM012341.D

Acq: 21 Oct 2017 04:13

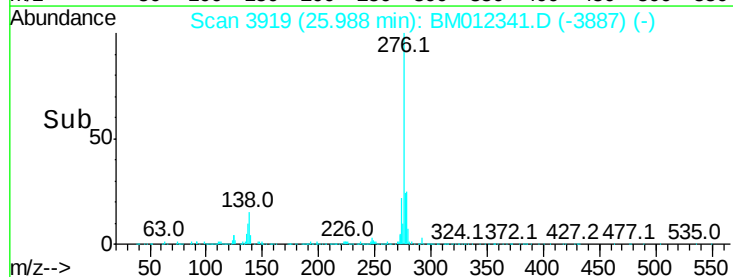
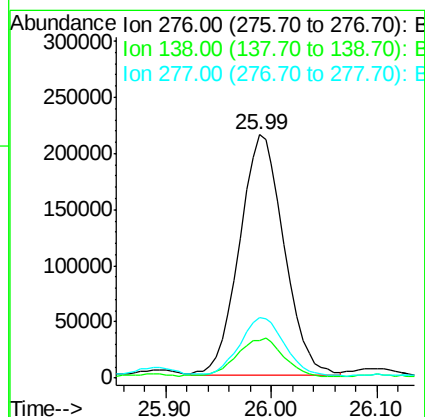
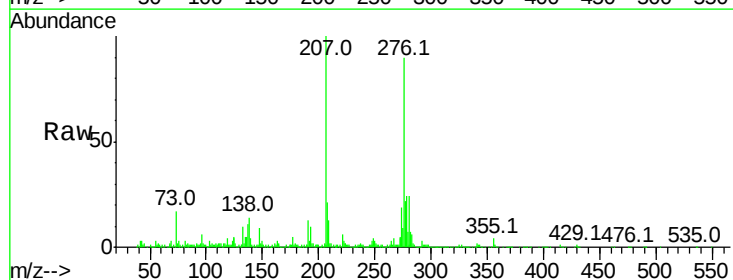
Tgt Ion:276 Resp: 626015

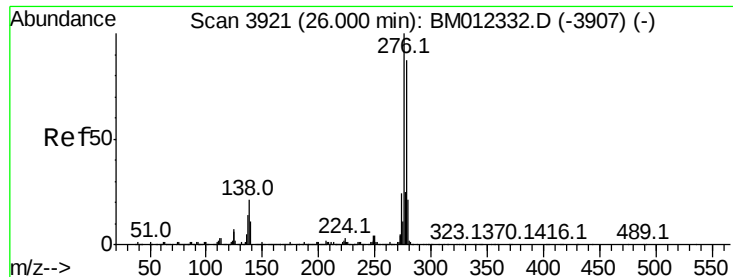
Ion Ratio Lower Upper

276 100

138 15.6 13.2 19.8

277 25.0 20.6 31.0





#90

Dibenzo(a,h)anthracene

Concen: 3.283 ng/ul

RT: 25.99 min Scan# 3919

Delta R.T. -0.01 min

Lab File: BM012341.D

Acq: 21 Oct 2017 04:13

Instrument :

BNA_M

ClientSampleId :

B0CD6

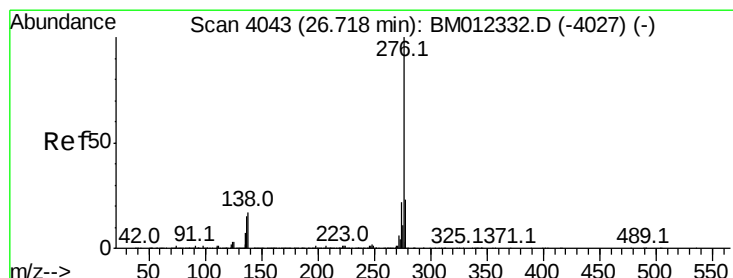
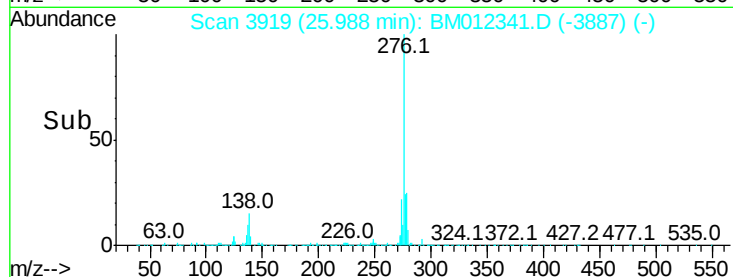
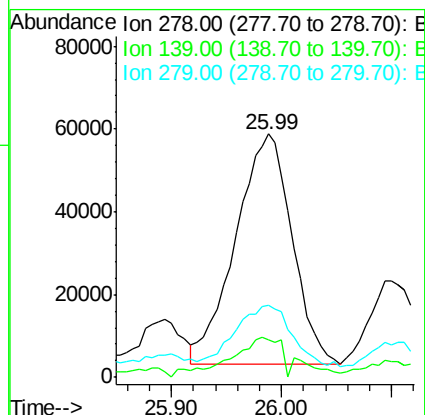
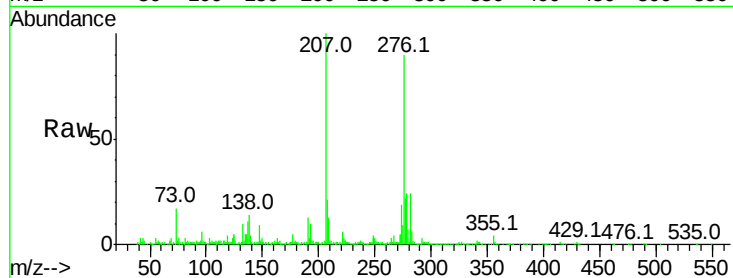
Tot Ion:278 Resp: 198039

Ion Ratio Lower Upper

278 100

139 15.5 8.3 12.5#

279 29.5 19.3 28.9#



#91

Benzo(g,h,i)perylene

Concen: 7.328 ng/ul

RT: 26.72 min Scan# 4043

Delta R.T. -0.00 min

Lab File: BM012341.D

Acq: 21 Oct 2017 04:13

Tgt Ion:276 Resp: 430725

Ion Ratio Lower Upper

276 100

138 17.6 10.7 16.1#

277 25.9 19.0 28.4

