

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM121517\
 Data File : BM013465.D
 Acq On : 16 Dec 2017 07:02
 Operator : SJ/JU
 Sample : I6776-19
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9A48

Quant Time: Dec 18 00:27:56 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Dec 16 00:23:08 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	298340	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	1342264	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	782156	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	1733044	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	1383018	20.00	ng/ul	0.00
83) Perylene-d12	23.49	264	1126354	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	18067	3.00	ng/uL	0.00
5) Phenol-d5	6.85	99	467391	18.10	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	279718	19.00	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	379015	18.79	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	327457	14.85	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	209419	19.67	ng/ul	0.00
22) 2-Nitrophenol-d4	9.54	143	231570	20.33	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	427801	18.22	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	270635	12.54	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	1323284	19.01	ng/ul	0.00
46) Acenaphthylene-d8	14.01	160	1697026	19.76	ng/ul	0.00
51) 4-Nitrophenol-d4	14.53	143	182408	15.08	ng/ul	0.00
57) Fluorene-d10	15.32	176	1131150	18.90	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.44	200	162744	14.93	ng/ul	0.00
70) Anthracene-d10	17.16	188	1701671	19.61	ng/ul	0.00
76) Pyrene-d10	19.47	212	1714468	24.88	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	1115931	19.45	ng/ul	0.00

Target Compounds

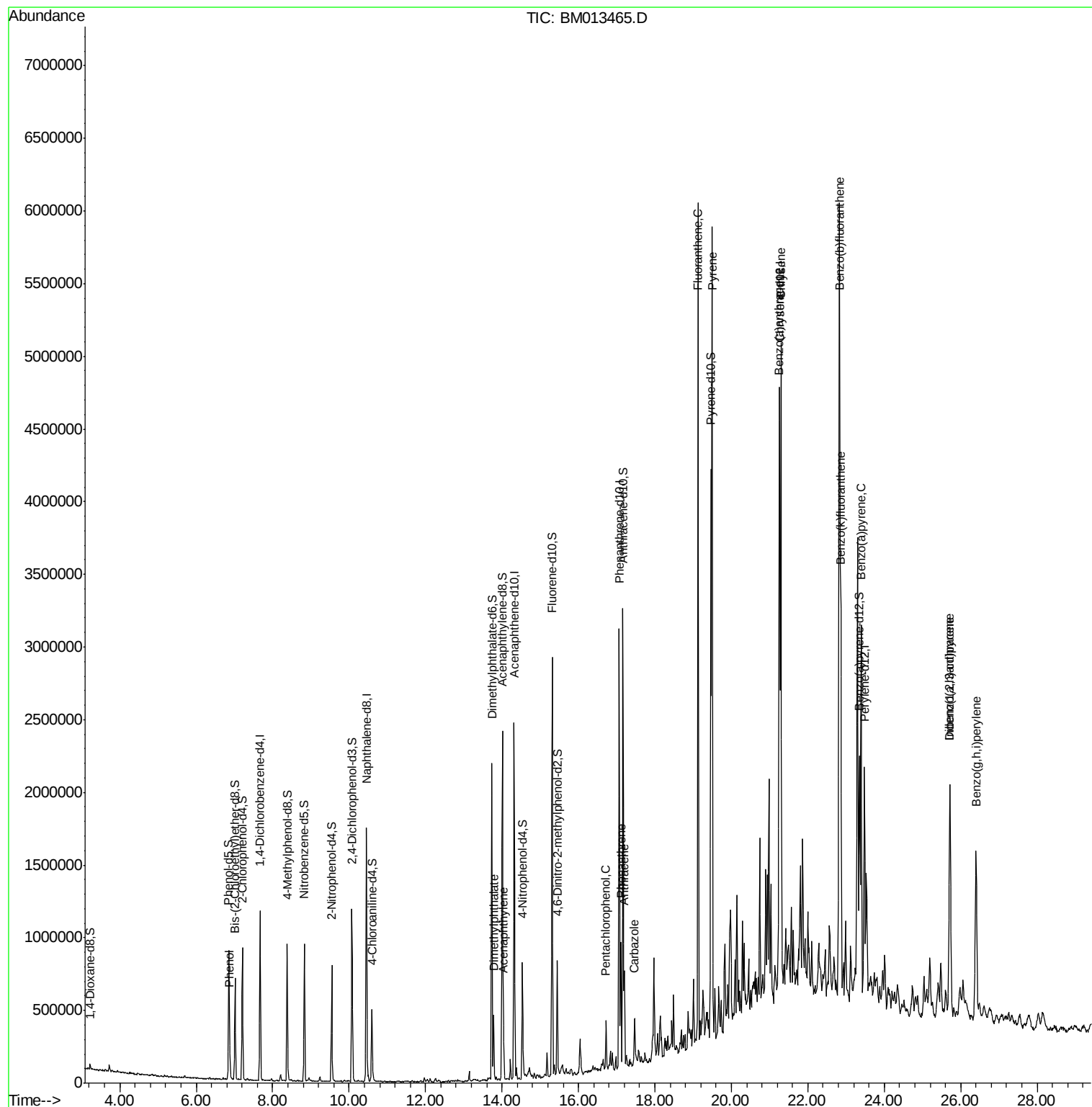
					Ovalue	
6) Phenol	6.87	94	80459	3.153	ng/ul#	86
44) Dimethylphthalate	13.78	163	253924	3.814	ng/ul	98
47) Acenaphthylene	14.04	152	266266	3.350	ng/ul	95
68) Pentachlorophenol	16.72	266	43776	3.369	ng/ul	92
69) Phenanthrene	17.11	178	502985	5.109	ng/ul	100
71) Anthracene	17.20	178	471604	4.686	ng/ul	98
72) Carbazole	17.47	167	185785	2.146	ng/ul	97
74) Fluoranthene	19.13	202	3358499	27.835	ng/ul#	94
77) Pyrene	19.50	202	3364191	40.039	ng/ul#	93
80) Benzo(a)anthracene	21.24	228	1460026	16.639	ng/ul	95
82) Chrysene	21.30	228	2680844	32.931	ng/ul	97
85) Benzo(b)fluoranthene	22.83	252	4436807	58.433	ng/ul#	98
86) Benzo(k)fluoranthene	22.86	252	1400815	19.604	ng/ul#	95
88) Benzo(a)pyrene	23.39	252	1765758	25.888	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.71	276	1529668	22.603	ng/ul#	97
90) Dibenzo(a,h)anthracene	25.72	278	419931	7.287	ng/ul#	94
91) Benzo(g,h,i)perylene	26.40	276	1422196	26.642	ng/ul#	95

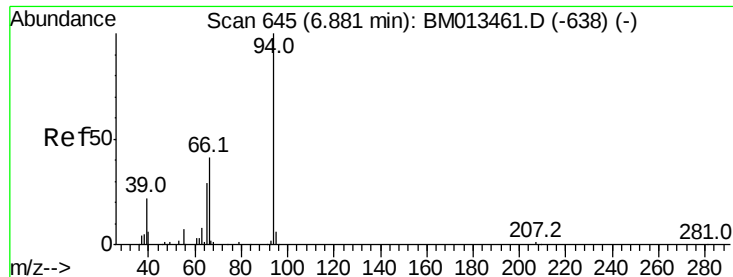
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#6

Phenol

Concen: 3.153 ng/ul

RT: 6.87 min Scan# 644

Delta R.T. -0.01 min

Lab File: BM013465.D

Acq: 16 Dec 2017 07:02

Instrument :

BNA_M

ClientSampleId :

F9A48

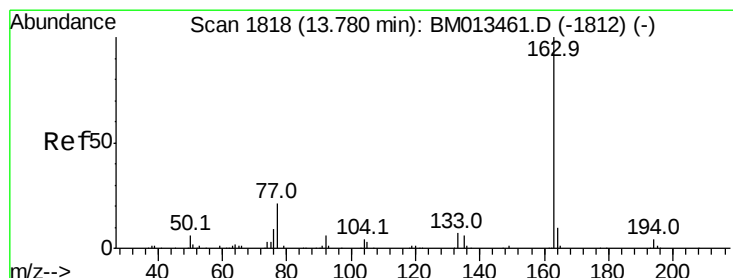
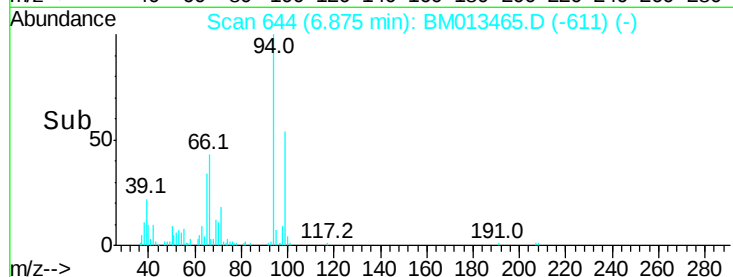
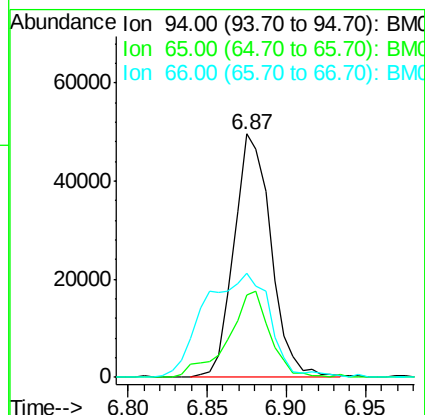
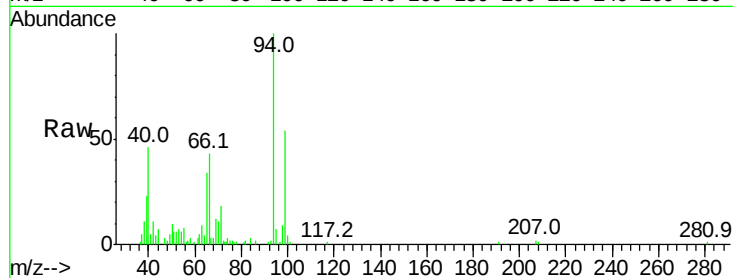
Tot Ion: 94 Resp: 80459

Ion Ratio Lower Upper

94 100

65 33.8 28.2 42.4

66 42.9 47.2 70.8#



#44

Dimethylphthalate

Concen: 3.814 ng/ul

RT: 13.78 min Scan# 1818

Delta R.T. -0.00 min

Lab File: BM013465.D

Acq: 16 Dec 2017 07:02

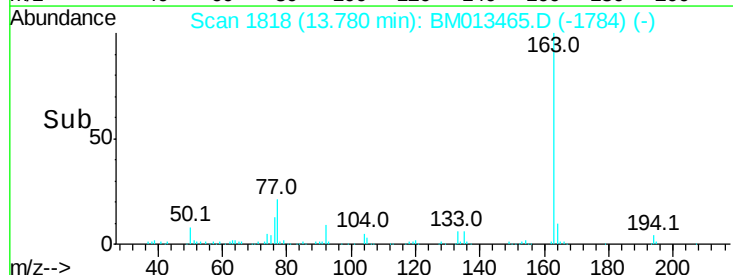
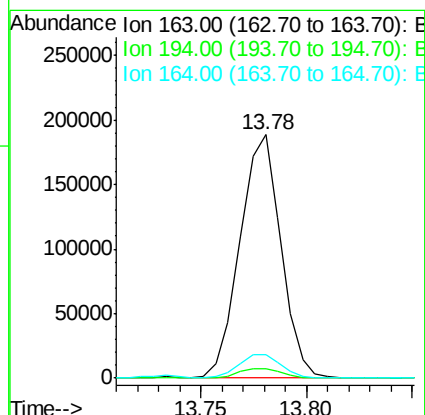
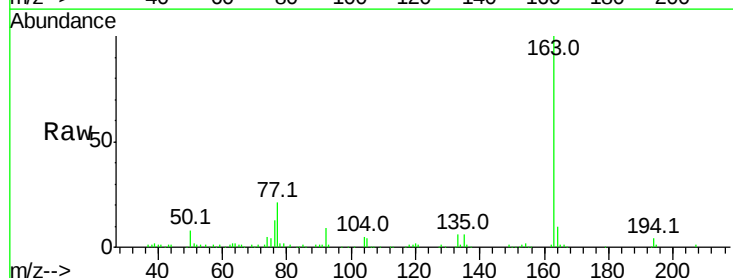
Tgt Ion: 163 Resp: 253924

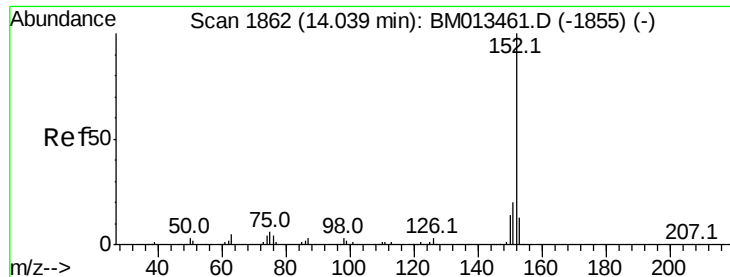
Ion Ratio Lower Upper

163 100

194 4.0 3.5 5.3

164 9.6 8.2 12.4





#47

Acenaphthylene

Concen: 3.350 ng/ul

RT: 14.04 min Scan# 1862

Delta R.T. -0.00 min

Lab File: BM013465.D

Acq: 16 Dec 2017 07:02

Instrument :

BNA_M

ClientSampled :

F9A48

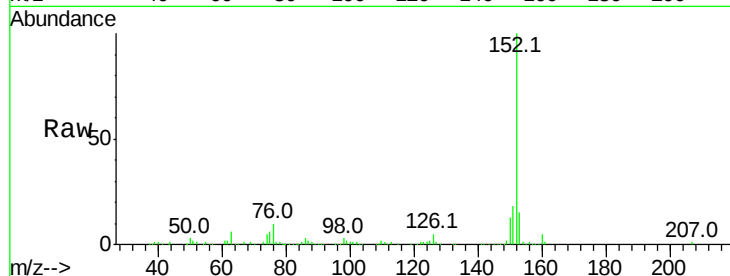
Tot Ion:152 Resp: 266266

Ion Ratio Lower Upper

152 100

151 17.8 16.3 24.5

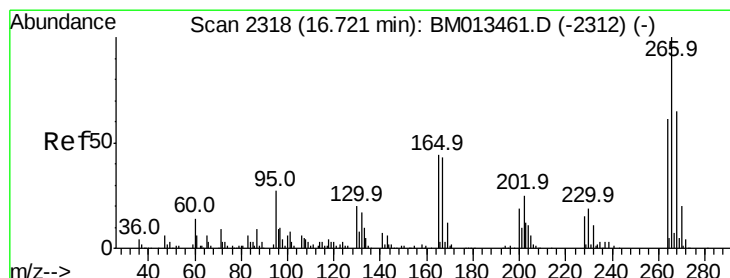
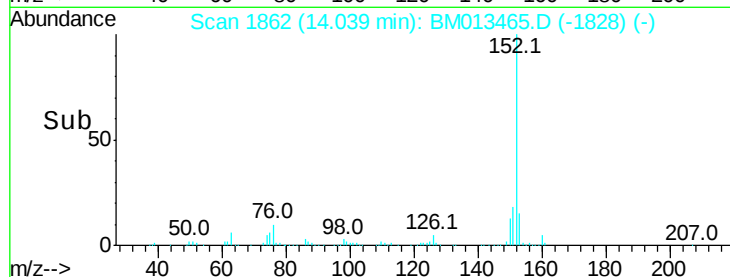
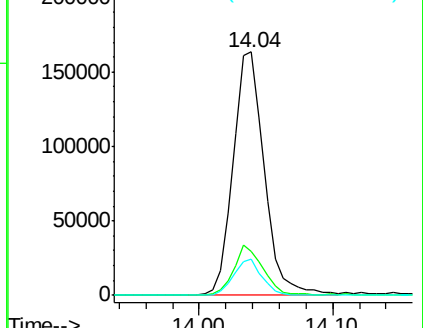
153 14.7 10.2 15.4



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



#68

Pentachlorophenol

Concen: 3.369 ng/ul

RT: 16.72 min Scan# 2318

Delta R.T. -0.00 min

Lab File: BM013465.D

Acq: 16 Dec 2017 07:02

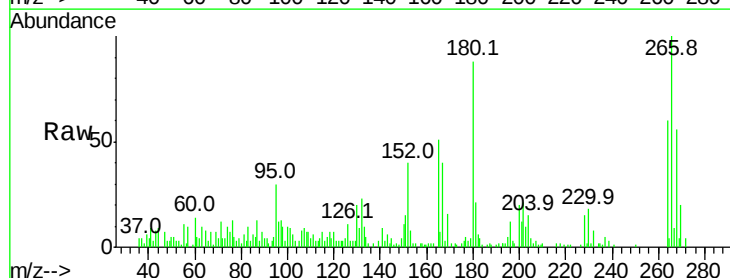
Tgt Ion:266 Resp: 43776

Ion Ratio Lower Upper

266 100

264 59.7 49.3 73.9

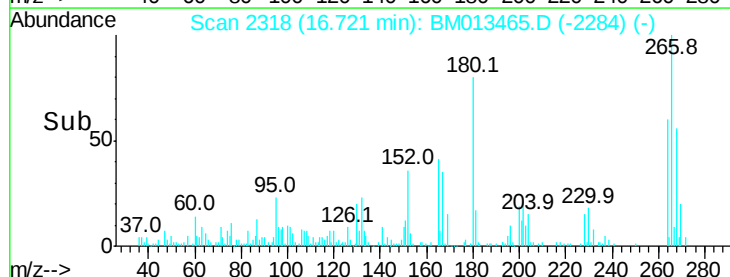
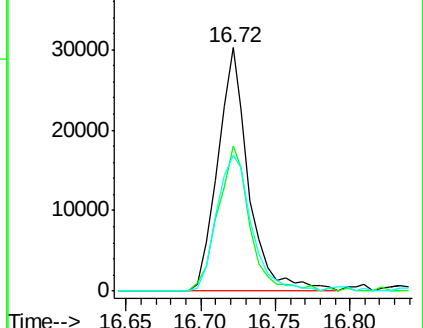
268 55.8 52.6 78.8

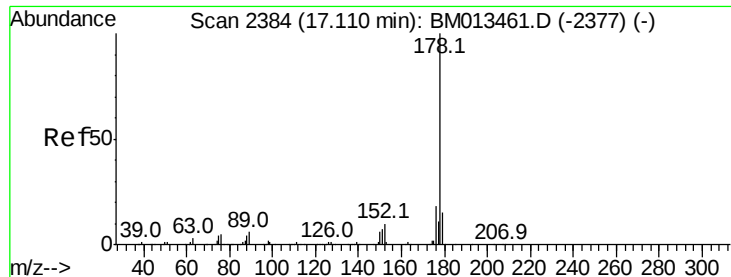


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#69

Phenanthrene

Concen: 5.109 ng/ul

RT: 17.11 min Scan# 2384

Delta R.T. -0.00 min

Lab File: BM013465.D

Acq: 16 Dec 2017 07:02

Instrument :

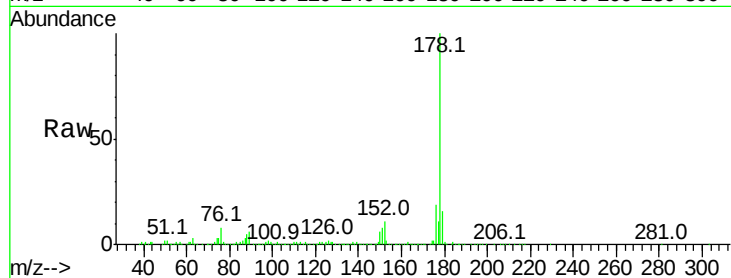
BNA_M

ClientSampleId :

F9A48

Tot Ion:178 Resp: 502985

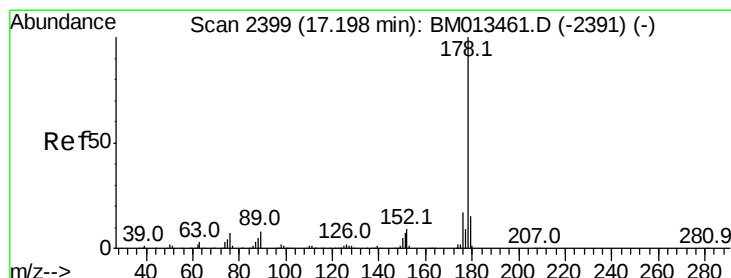
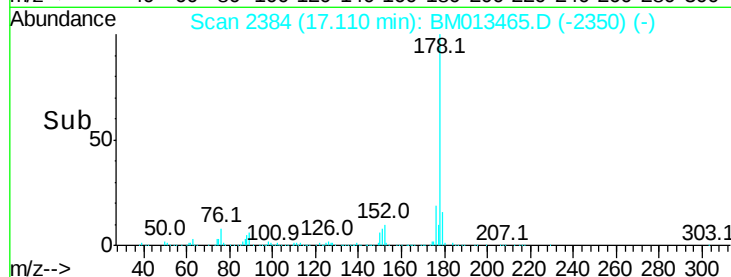
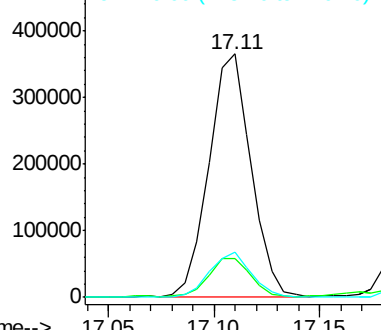
Ion	Ratio	Lower	Upper
178	100		
179	16.1	12.6	19.0
176	18.7	14.9	22.3



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



#71

Anthracene

Concen: 4.686 ng/ul

RT: 17.20 min Scan# 2399

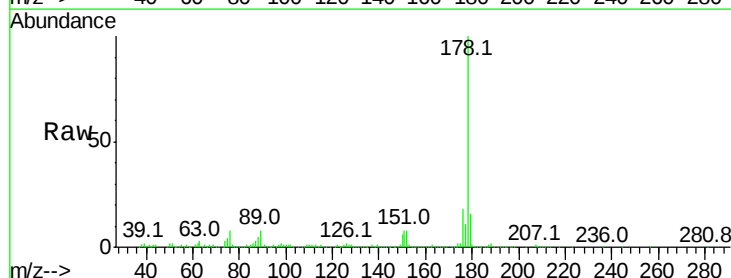
Delta R.T. -0.01 min

Lab File: BM013465.D

Acq: 16 Dec 2017 07:02

Tgt Ion:178 Resp: 471604

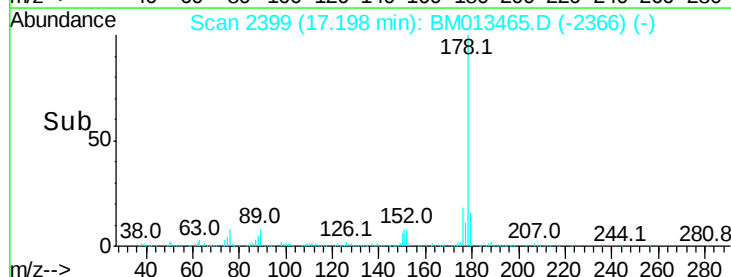
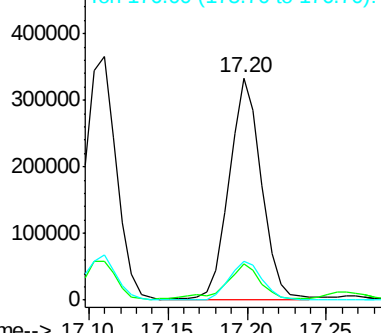
Ion	Ratio	Lower	Upper
178	100		
179	16.1	11.7	17.5
176	17.5	14.6	21.8

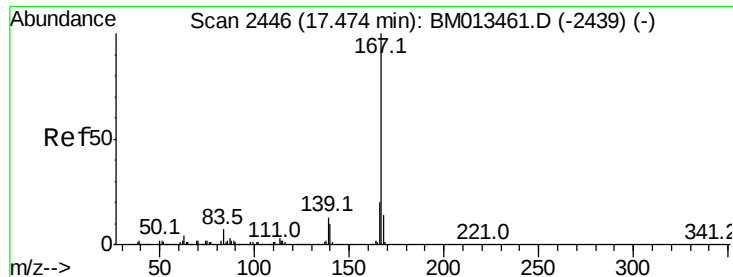


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 2.146 ng/ul

RT: 17.47 min Scan# 2446

Delta R.T. -0.00 min

Lab File: BM013465.D

Acq: 16 Dec 2017 07:02

Instrument :

BNA_M

ClientSampleId :

F9A48

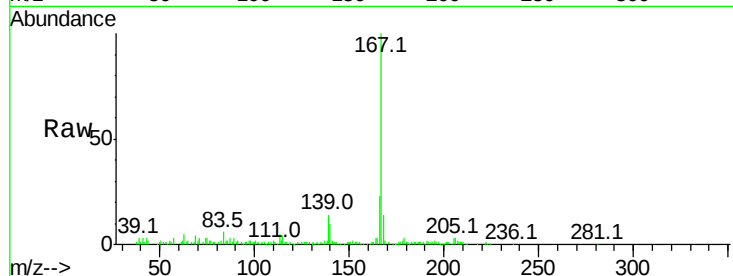
Tot Ion:167 Resp: 185785

Ion Ratio Lower Upper

167 100

166 22.8 17.1 25.7

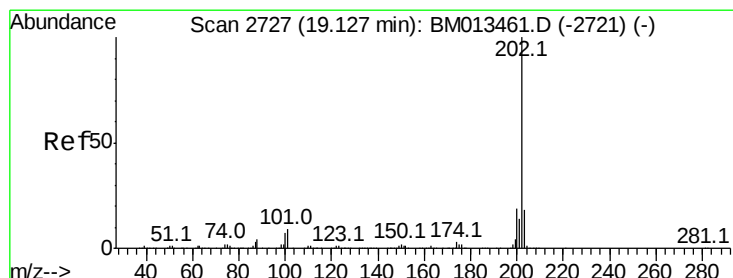
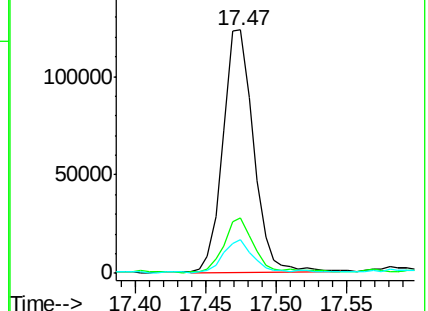
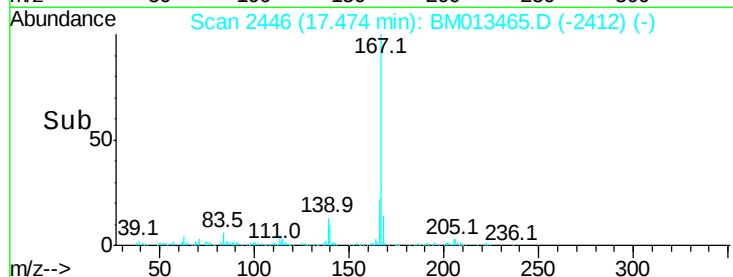
139 13.8 10.0 15.0



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: 27.835 ng/ul

RT: 19.13 min Scan# 2728

Delta R.T. 0.01 min

Lab File: BM013465.D

Acq: 16 Dec 2017 07:02

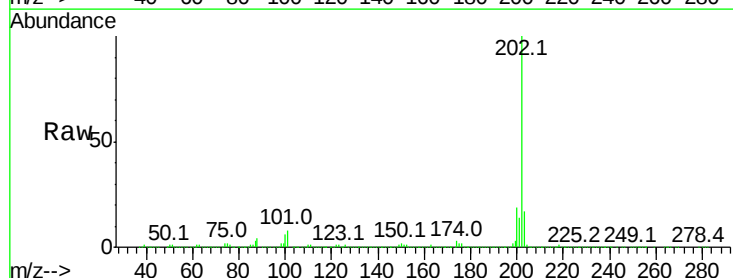
Tgt Ion:202 Resp: 3358499

Ion Ratio Lower Upper

202 100

101 8.1 4.6 7.0#

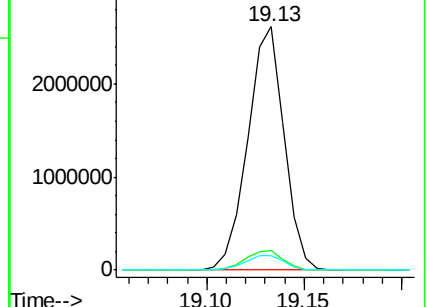
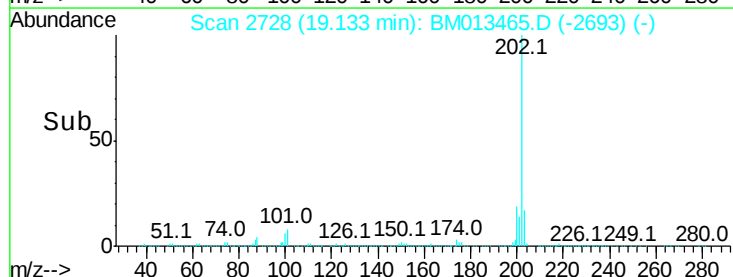
100 6.1 3.4 5.2#

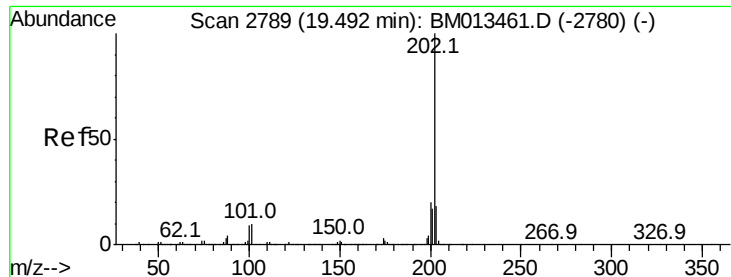


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 40.039 ng/ul

RT: 19.50 min Scan# 2790

Delta R.T. 0.01 min

Lab File: BM013465.D

Acq: 16 Dec 2017 07:02

Instrument :

BNA_M

ClientSampleId :

F9A48

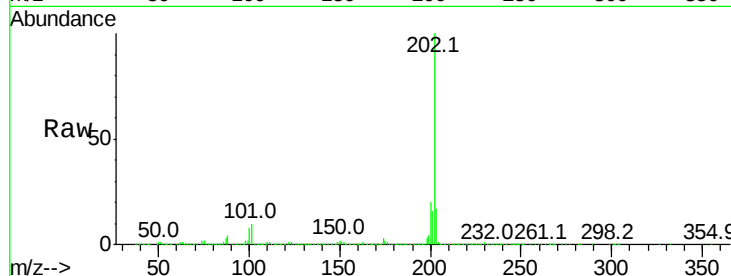
Tot Ion:202 Resp: 3364191

Ion Ratio Lower Upper

202 100

101 9.5 5.1 7.7#

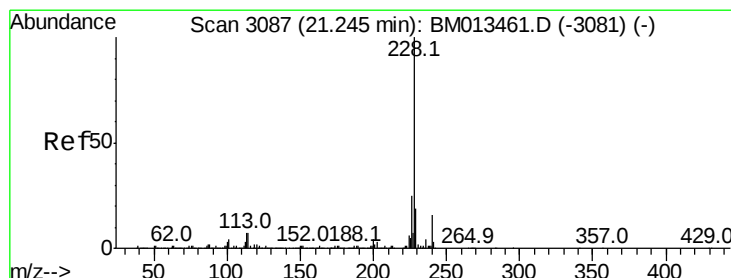
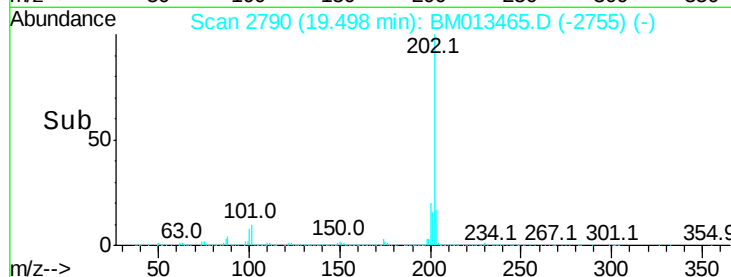
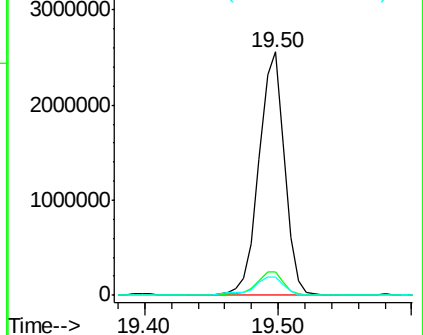
100 7.7 4.9 7.3#



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: 16.639 ng/ul

RT: 21.24 min Scan# 3087

Delta R.T. -0.00 min

Lab File: BM013465.D

Acq: 16 Dec 2017 07:02

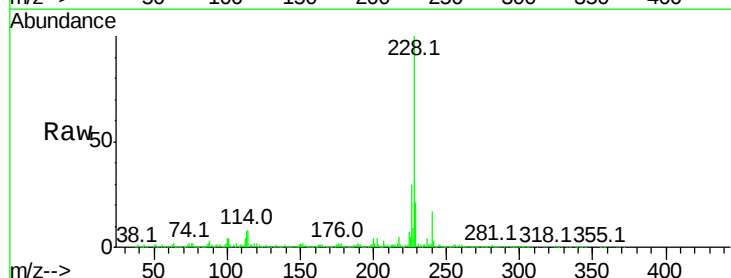
Tgt Ion:228 Resp: 1460026

Ion Ratio Lower Upper

228 100

229 21.1 15.4 23.0

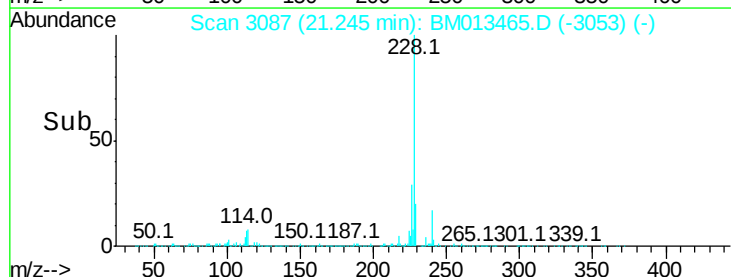
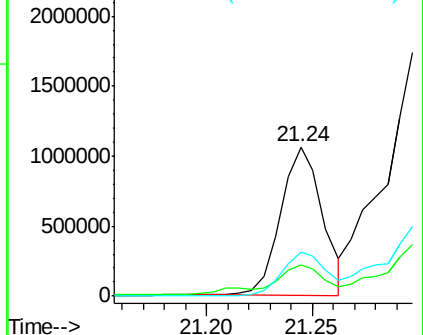
226 29.7 21.4 32.0

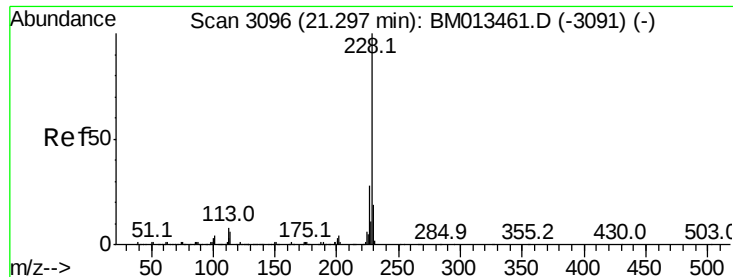


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 32.931 ng/ul

RT: 21.30 min Scan# 3096

Delta R.T. -0.00 min

Lab File: BM013465.D

Acq: 16 Dec 2017 07:02

Instrument :

BNA_M

ClientSampleId :

F9A48

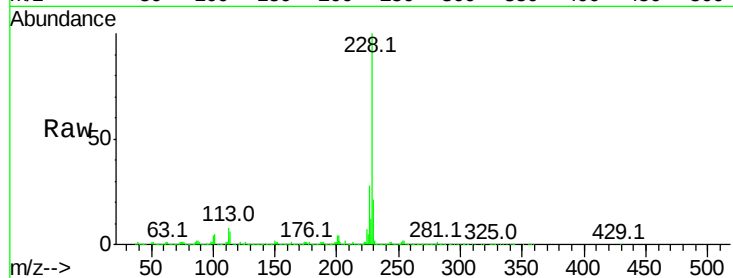
Tot Ion:228 Resp: 2680844

Ion	Ratio	Lower	Upper
228	100		
226	28.4	23.4	35.2
229	21.3	15.5	23.3

228 100

226 28.4 23.4 35.2

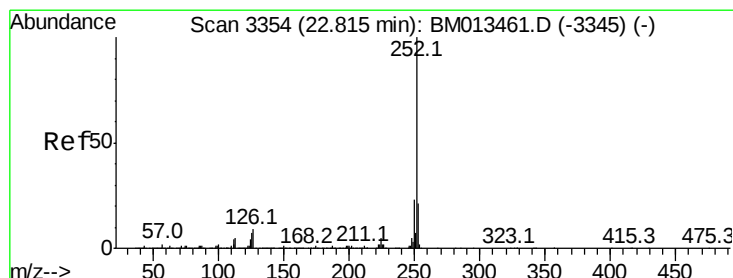
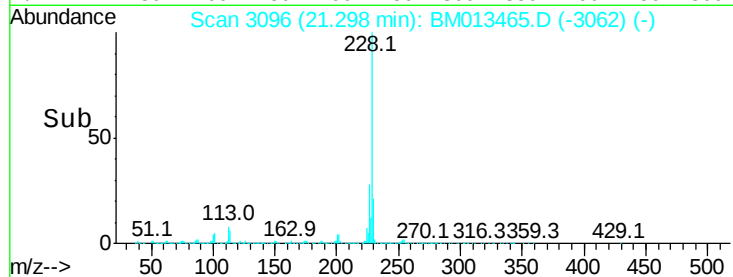
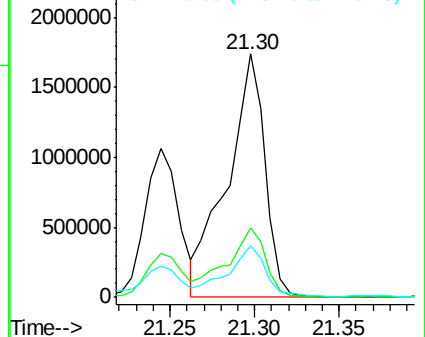
229 21.3 15.5 23.3



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: 58.433 ng/ul

RT: 22.83 min Scan# 3356

Delta R.T. 0.01 min

Lab File: BM013465.D

Acq: 16 Dec 2017 07:02

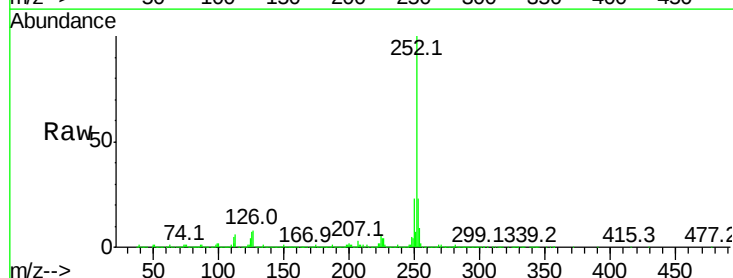
Tgt Ion:252 Resp: 4436807

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.9	26.9
125	7.4	3.6	5.4

252 100

253 23.0 17.9 26.9

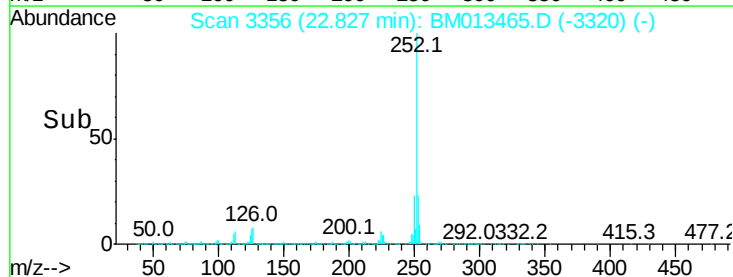
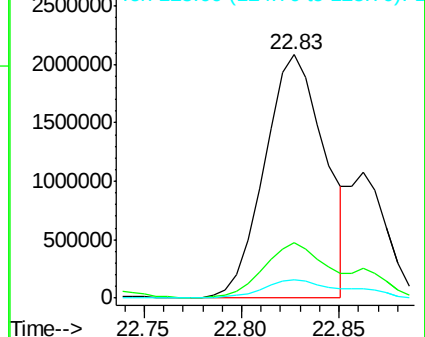
125 7.4 3.6 5.4#

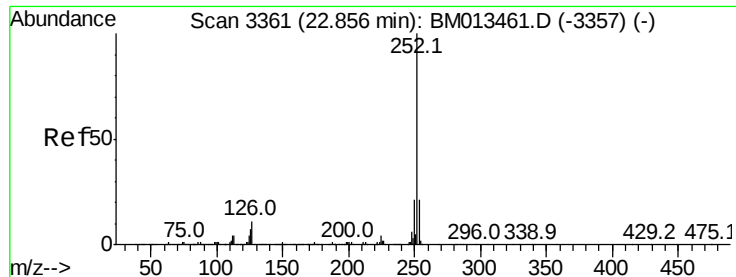


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 19.604 ng/ul

RT: 22.86 min Scan# 3362

Delta R.T. 0.01 min

Lab File: BM013465.D

Acq: 16 Dec 2017 07:02

Instrument :

BNA_M

ClientSampleId :

F9A48

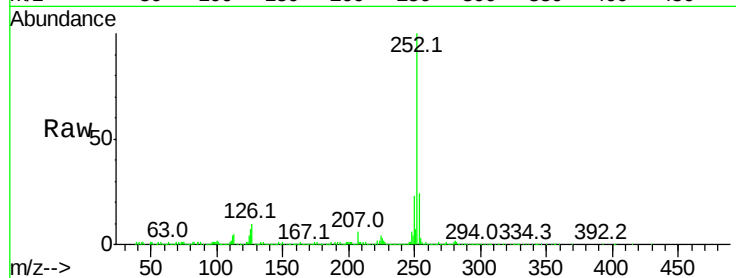
Tot Ion:252 Resp: 1400815

Ion Ratio Lower Upper

252 100

253 23.6 17.1 25.7

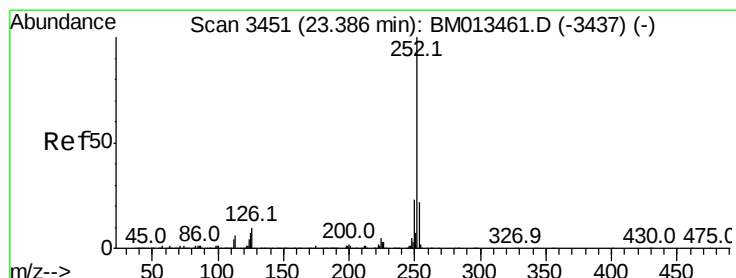
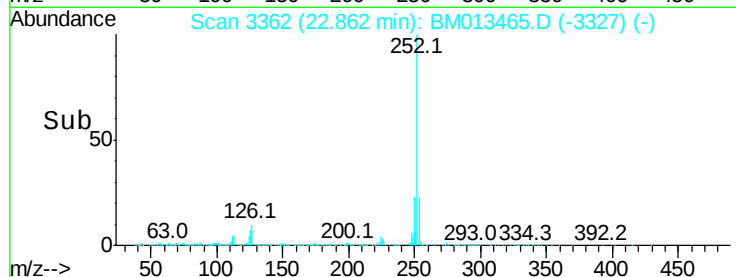
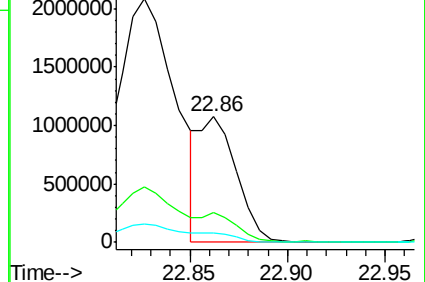
125 7.1 3.4 5.2#



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: 25.888 ng/ul

RT: 23.39 min Scan# 3452

Delta R.T. 0.01 min

Lab File: BM013465.D

Acq: 16 Dec 2017 07:02

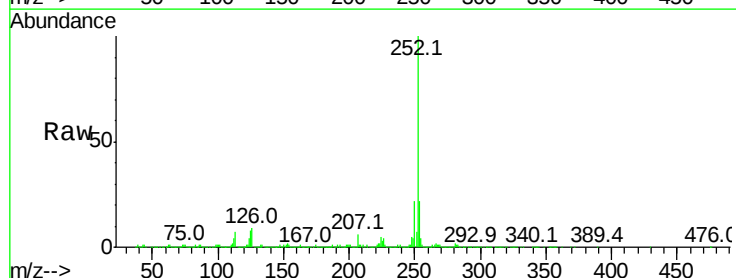
Tgt Ion:252 Resp: 1765758

Ion Ratio Lower Upper

252 100

253 22.3 18.2 27.2

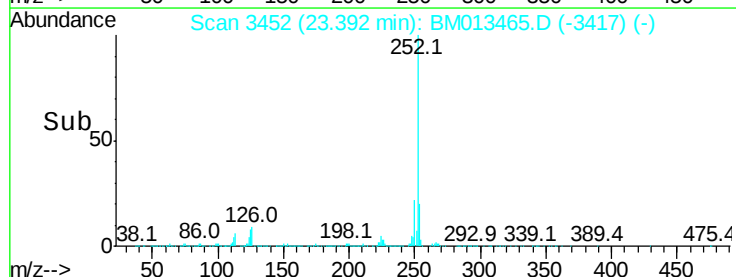
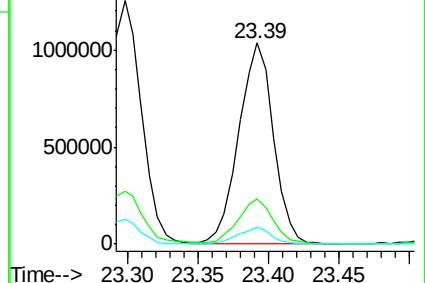
125 8.2 4.0 6.0#

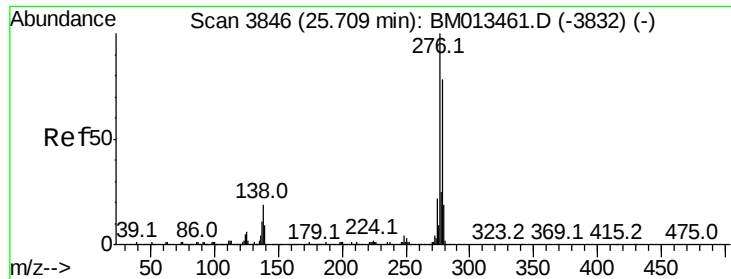


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



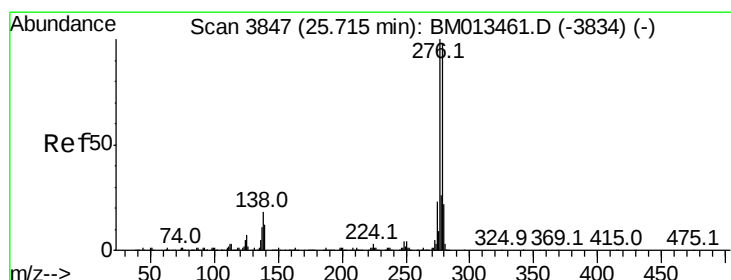
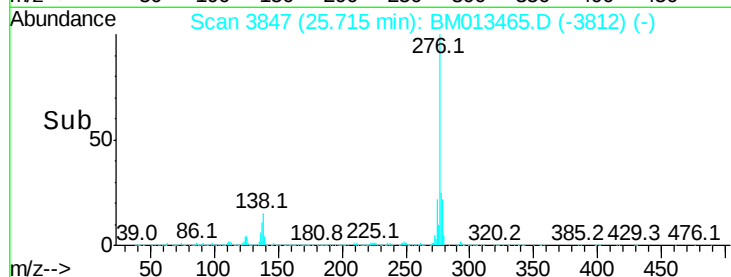
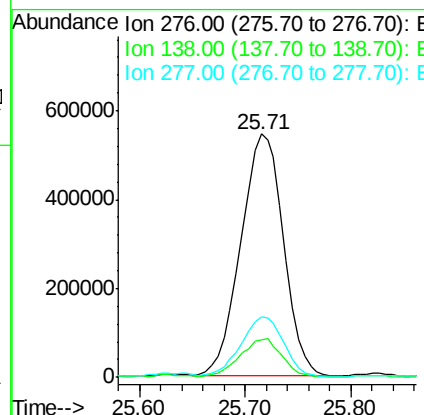
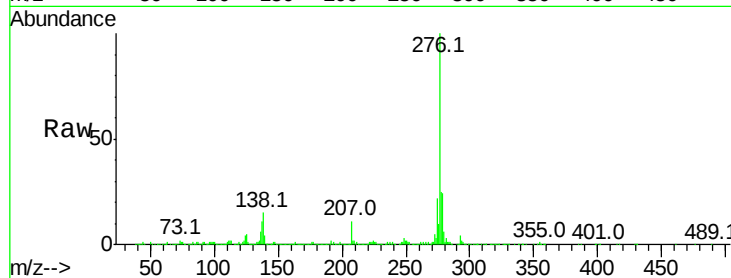


#89

Indeno(1,2,3-cd)pyrene
Concen: 22.603 ng/ul
RT: 25.71 min Scan# 3847
Delta R.T. 0.01 min
Lab File: BM013465.D
Acq: 16 Dec 2017 07:02

Instrument :
BNA_M
ClientSampleId :
F9A48

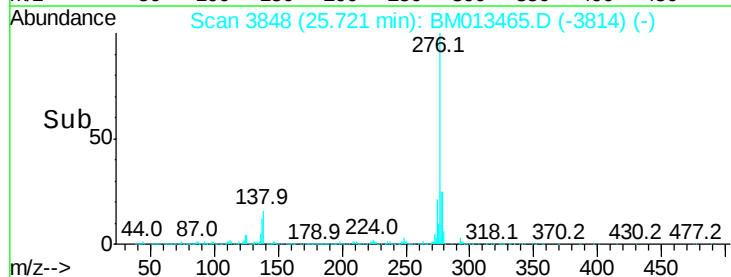
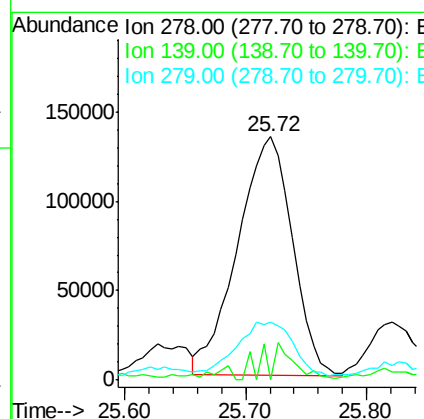
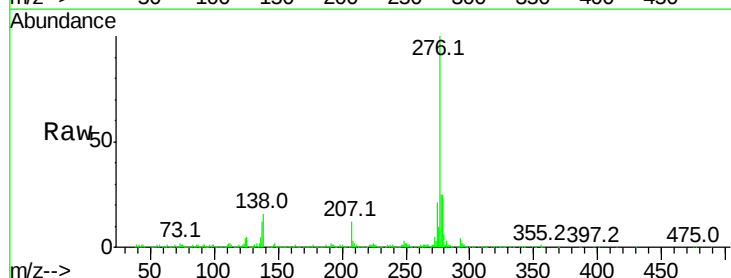
Tot Ion:276 Resp: 1529668
Ion Ratio Lower Upper
276 100
138 15.4 9.3 13.9#
277 25.0 19.9 29.9

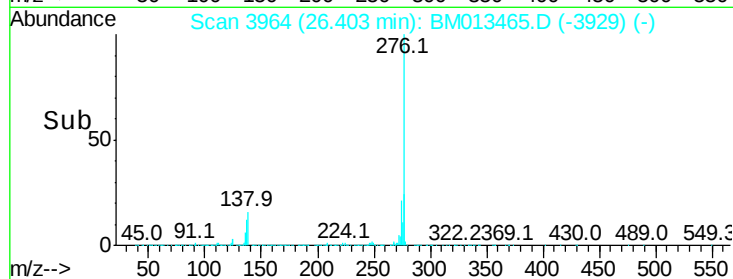
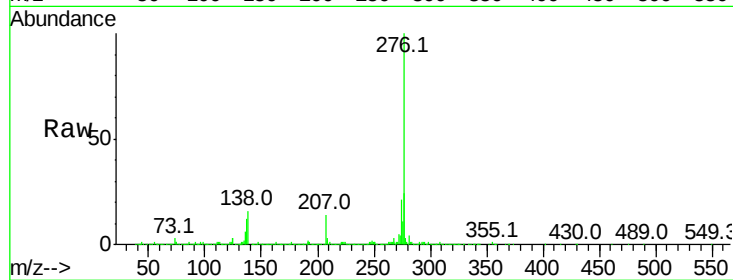
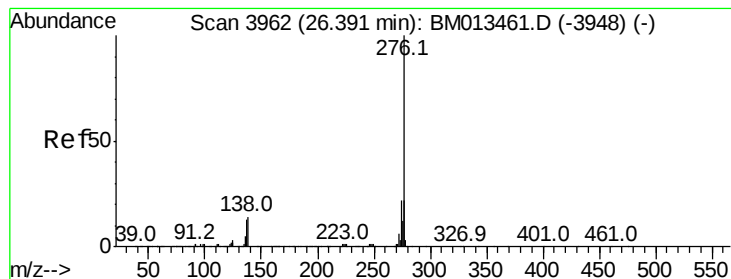


#90

Dibenzo(a,h)anthracene
Concen: 7.287 ng/ul
RT: 25.72 min Scan# 3848
Delta R.T. -0.00 min
Lab File: BM013465.D
Acq: 16 Dec 2017 07:02

Tgt Ion:278 Resp: 419931
Ion Ratio Lower Upper
278 100
139 0.0 5.8 8.8#
279 23.9 18.6 27.8





#91

Benzo(a,h,i)perylene

Concen: 26.642 ng/ul

RT: 26.40 min Scan# 3964

Delta R.T. 0.01 min

Lab File: BM013465.D

Acq: 16 Dec 2017 07:02

Instrument :

BNA_M

ClientSampleId :

F9A48

Tot Ion:276 Resp: 1422196

Ion Ratio Lower Upper

276 100

138 15.9 8.5 12.7#

277 24.0 18.6 28.0

