

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

						Qvalue
6) Phenol	6.87	94	80459	3.15	ng/ul#	86
44) Dimethylphthalate	13.78	163	253924	3.81	ng/ul	98
47) Acenaphthylene	14.04	152	266266	3.35	ng/ul	95
68) Pentachlorophenol	16.72	266	43776	3.37	ng/ul	92
69) Phenanthrene	17.11	178	502985	5.11	ng/ul	100
71) Anthracene	17.20	178	471604	4.69	ng/ul	98
72) Carbazole	17.47	167	185785	2.15	ng/ul	97
74) Fluoranthene	19.13	202	3358499	27.84	ng/ul#	94
77) Pyrene	19.50	202	3364191	40.04	ng/ul#	93
80) Benzo(a)anthracene	21.24	228	1460026	16.64	ng/ul	95
82) Chrysene	21.30	228	2680844	32.93	ng/ul	97
85) Benzo(b)fluoranthene	22.83	252	4436807	58.43	ng/ul#	98
86) Benzo(k)fluoranthene	22.86	252	1400815	19.60	ng/ul#	95
88) Benzo(a)pyrene	23.39	252	1765758	25.89	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.71	276	1529668	22.60	ng/ul#	97
90) Dibenzo(a,h)anthracene	25.72	278	419931	7.29	ng/ul#	94
91) Benzo(g,h,i)perylene	26.40	276	1422196	26.64	ng/ul#	95

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

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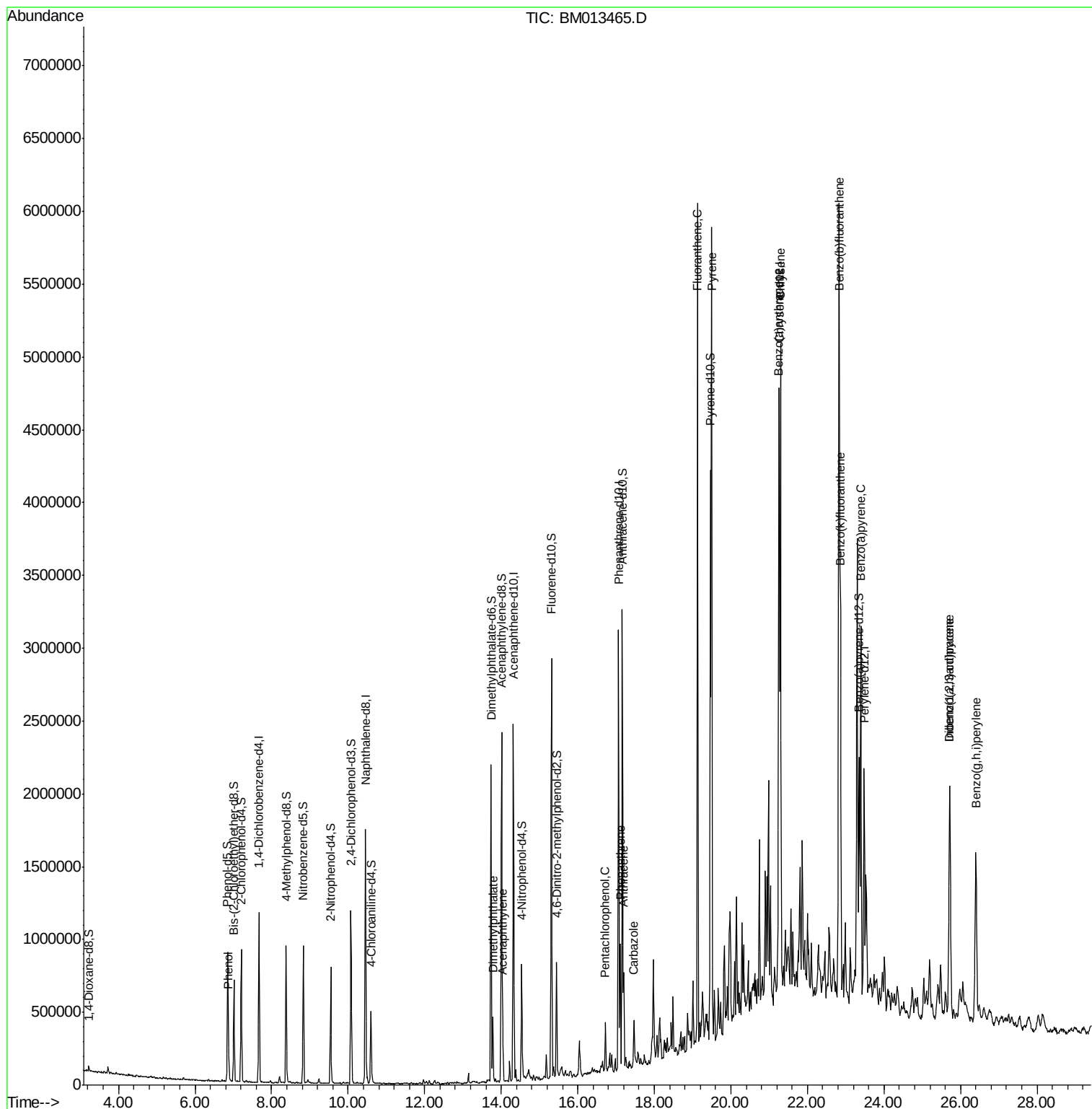
Quant Time: Dec 18 00:27:56 2017

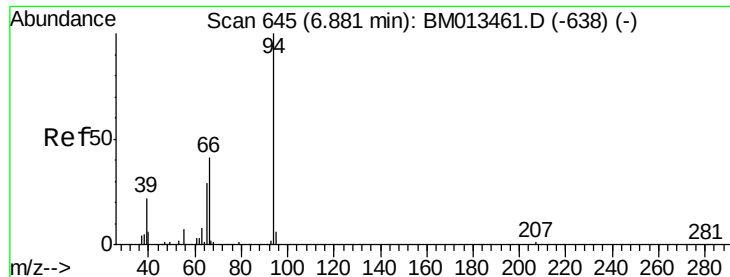
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M

Quant Title : SVOA CALIBRATION

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#6

Phenol

Concen: 3.15 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

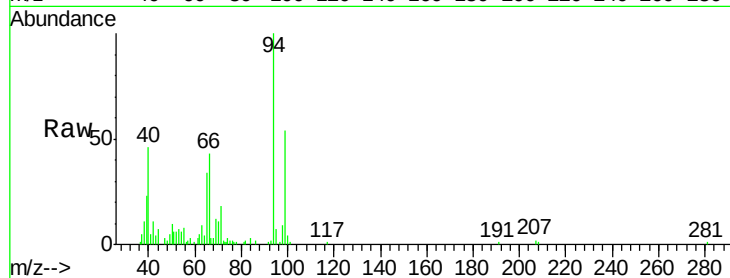
Tgt Ion: 94 Resp: 80459

Ion Ratio Lower Upper

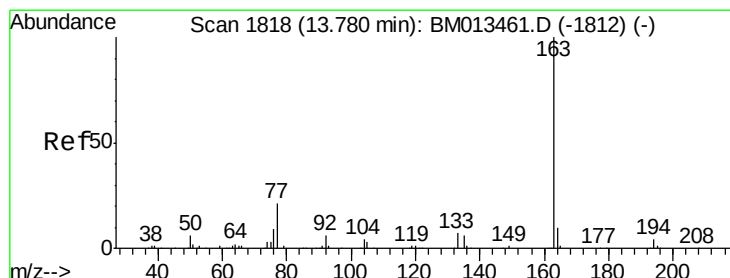
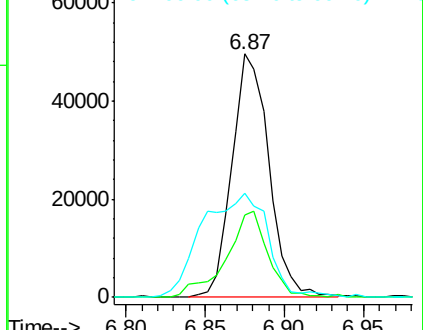
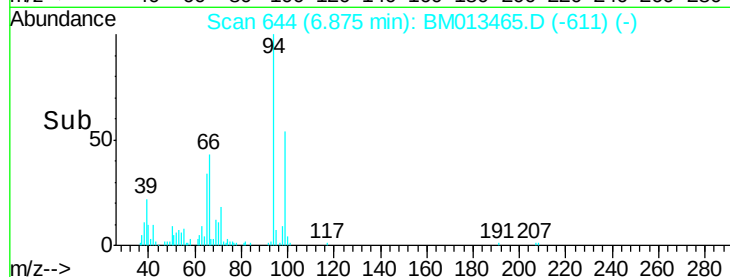
94 100

65 33.8 28.2 42.4

66 42.9 47.2 70.8#



Abundance Ion 94.00 (93.70 to 94.70): BM013465.D (-611) (-)



#44

Dimethylphthalate

Concen: 3.81 ng/ul

RT: 13.78 min Scan# 1818

Delta R.T. -0.00 min

Lab File: BM013465.D

Acq: 16 Dec 2017 07:02

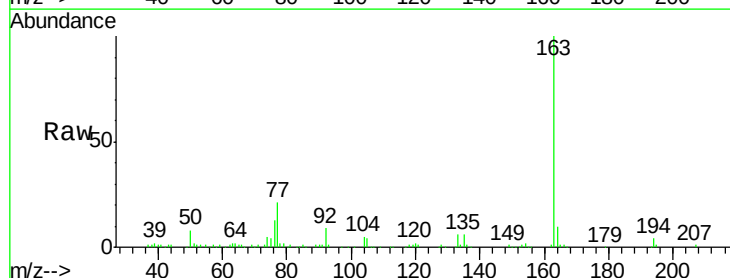
Tgt Ion: 163 Resp: 253924

Ion Ratio Lower Upper

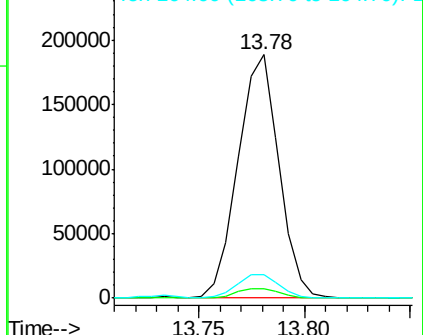
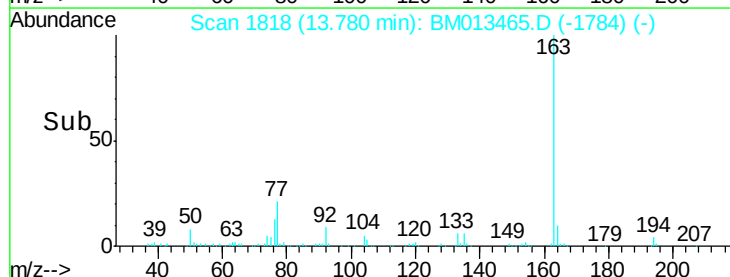
163 100

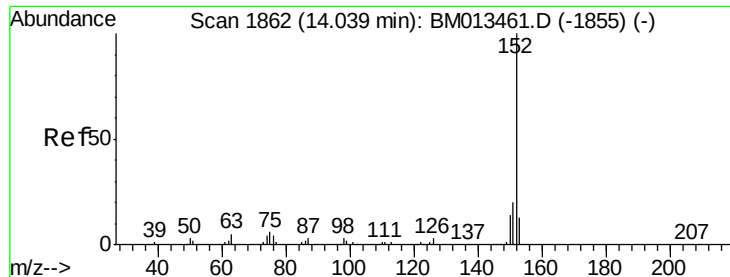
194 4.0 3.5 5.3

164 9.6 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): BM013465.D (-1784) (-)





#47

Acenaphthylene

Concen: 3.35 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 :

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ClientSampleId :

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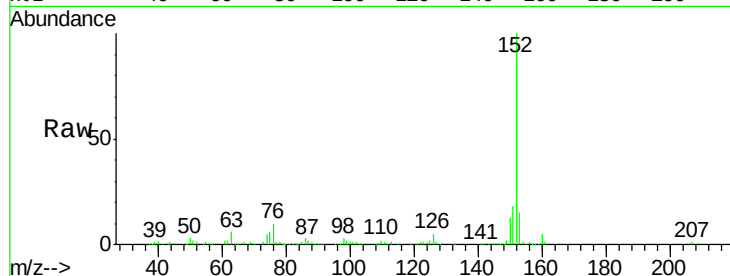
Tgt Ion:152 Resp: 266266

Ion Ratio Lower Upper

152 100

151 17.8 16.3 24.5

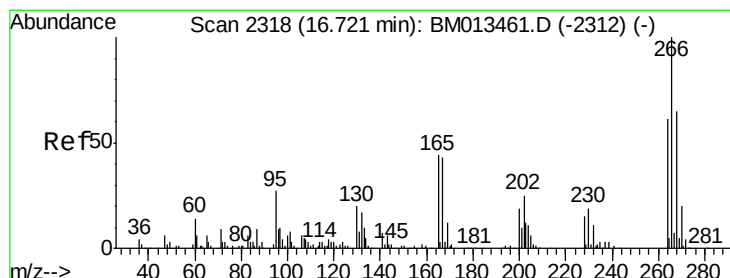
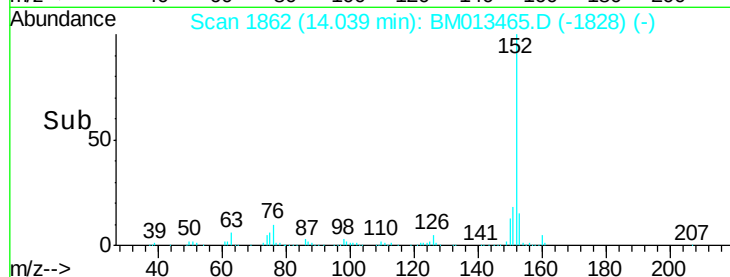
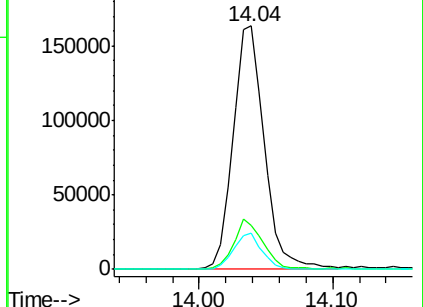
153 14.7 10.2 15.4



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: 3.37 ng/ul

RT: 16.72 min Scan# 2318

Delta R.T. -0.00 min

Lab File: BM013465.D

Acq: 16 Dec 2017 07:02

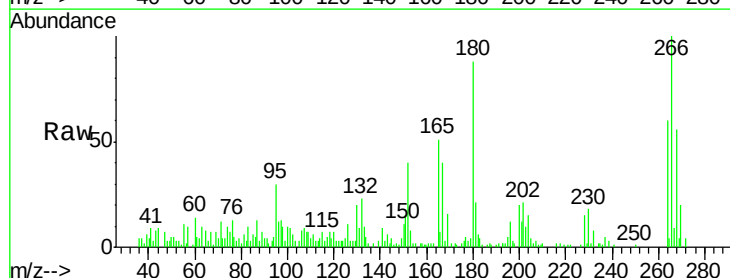
Tgt Ion:266 Resp: 43776

Ion Ratio Lower Upper

266 100

264 59.7 49.3 73.9

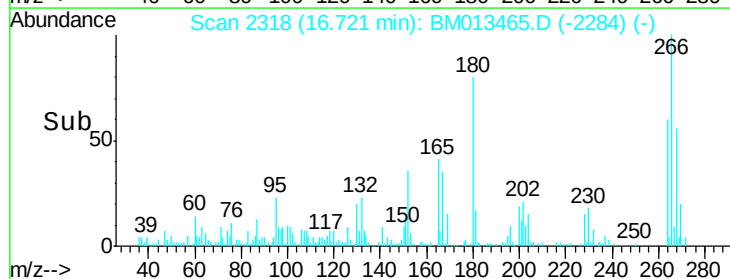
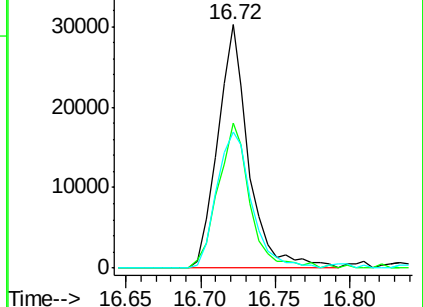
268 55.8 52.6 78.8

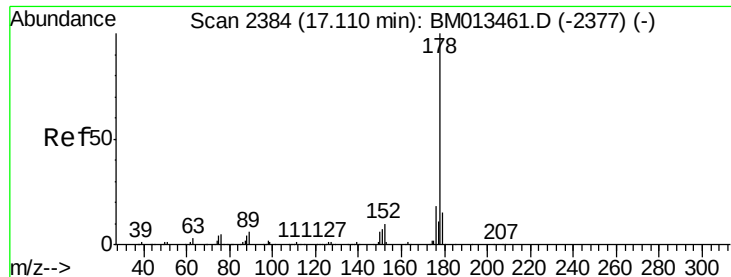


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#69

Phenanthrene

Concen: 5.11 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 :

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ClientSampleId :

F9A48

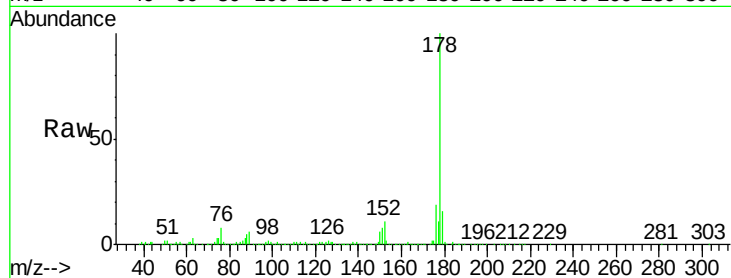
Tgt Ion:178 Resp: 502985

Ion Ratio Lower Upper

178 100

179 16.1 12.6 19.0

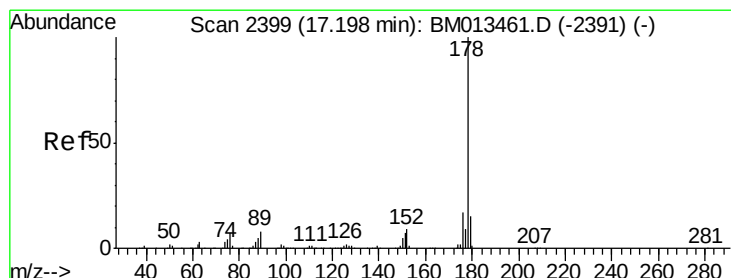
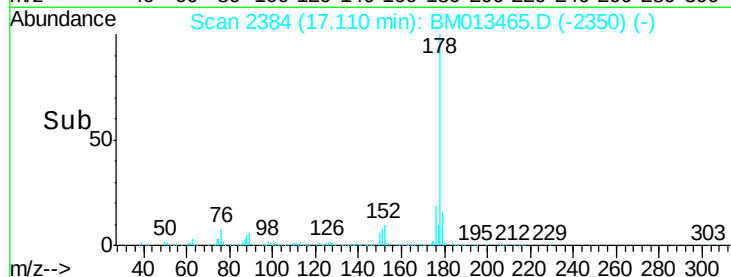
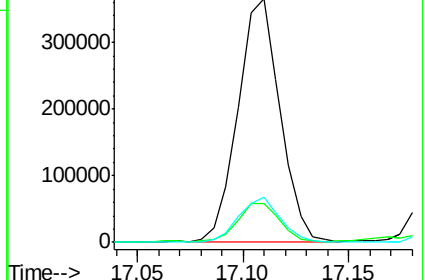
176 18.7 14.9 22.3



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: 4.69 ng/ul

RT: 17.20 min Scan# 2399

Delta R.T. -0.01 min

Lab File: BM013465.D

Acq: 16 Dec 2017 07:02

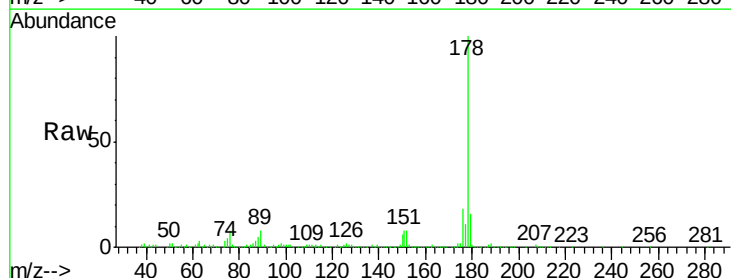
Tgt Ion:178 Resp: 471604

Ion Ratio Lower Upper

178 100

179 16.1 11.7 17.5

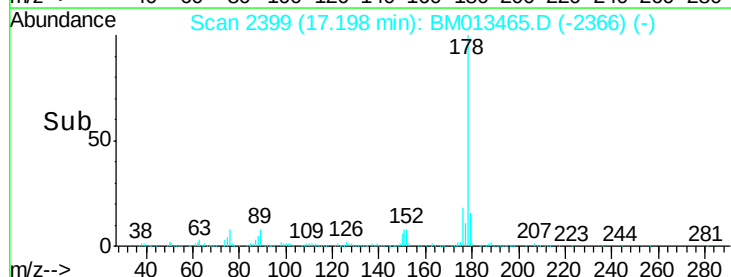
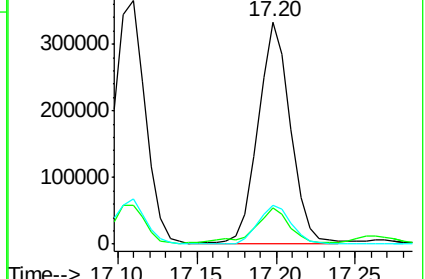
176 17.5 14.6 21.8

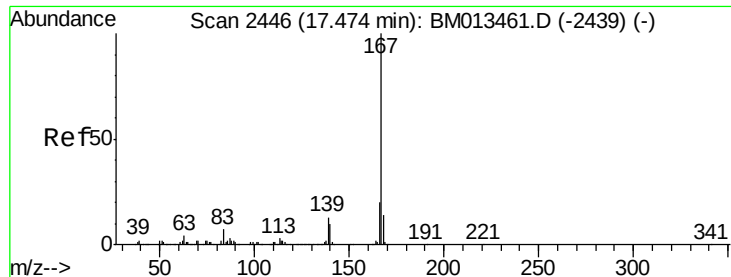


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#72

Carbazole

Concen: 2.15 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

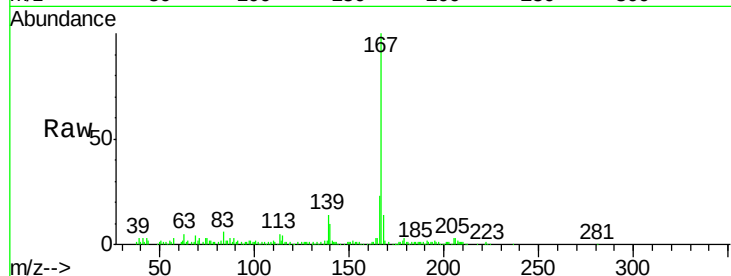
Tgt Ion:167 Resp: 185785

Ion Ratio Lower Upper

167 100

166 22.8 17.1 25.7

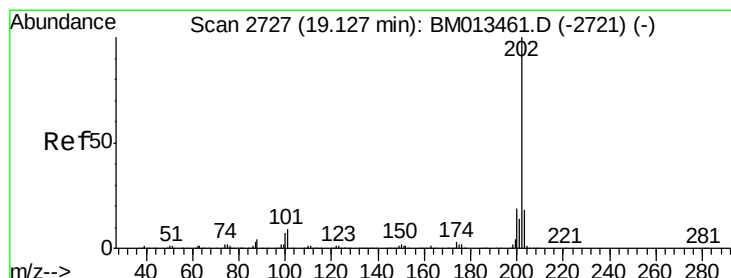
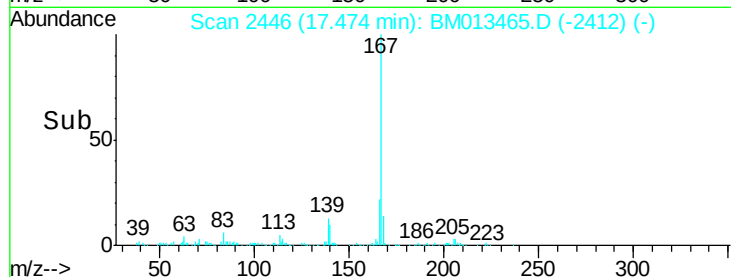
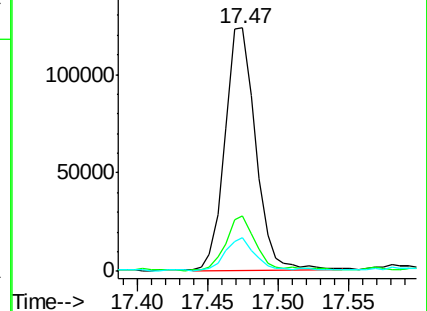
139 13.8 10.0 15.0



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: 27.84 ng/ul

RT: 19.13 min Scan# 2728

Delta R.T. 0.01 min

Lab File: BM013465.D

Acq: 16 Dec 2017 07:02

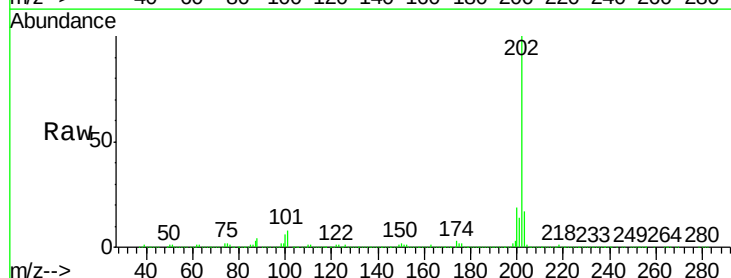
Tgt Ion:202 Resp: 3358499

Ion Ratio Lower Upper

202 100

101 8.1 4.6 7.0#

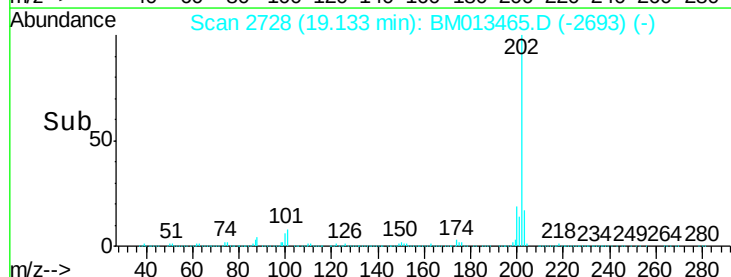
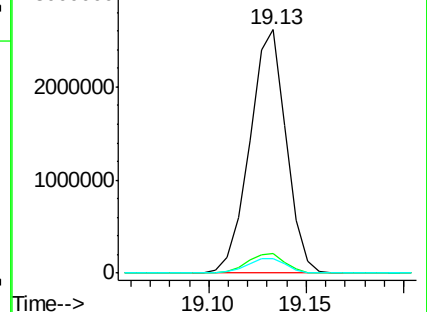
100 6.1 3.4 5.2#

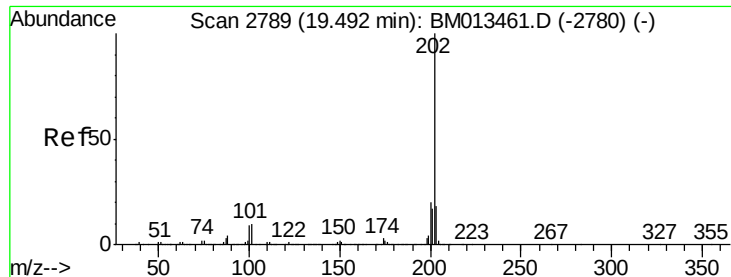


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

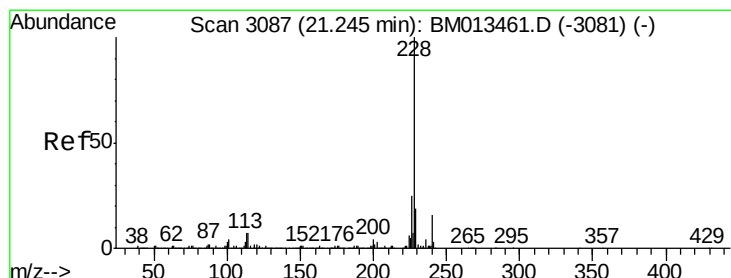
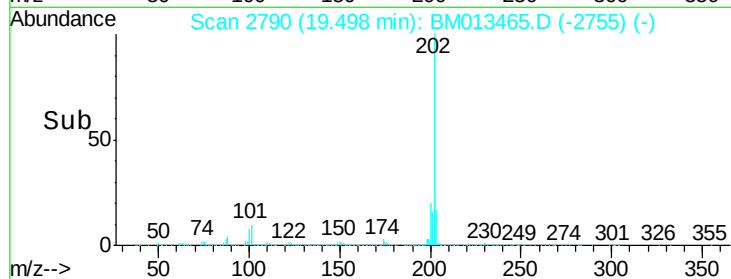
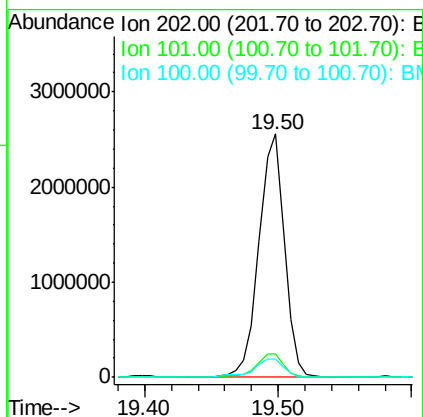
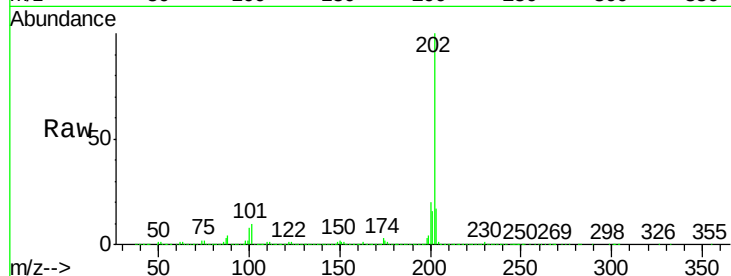




#77
 Pyrene
 Concen: 40.04 ng/ul
 RT: 19.50 min Scan# 2790
 Delta R.T. 0.01 min
 Lab File: BM013465.D
 Acq: 16 Dec 2017 07:02

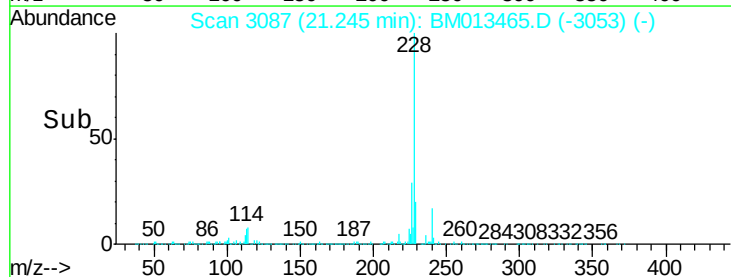
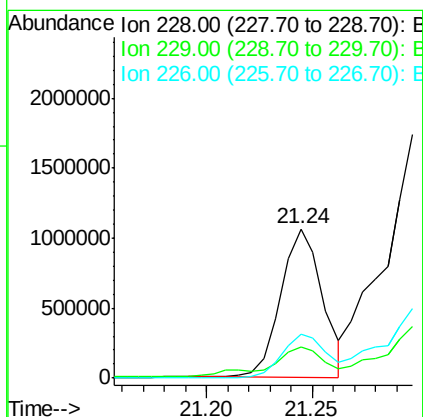
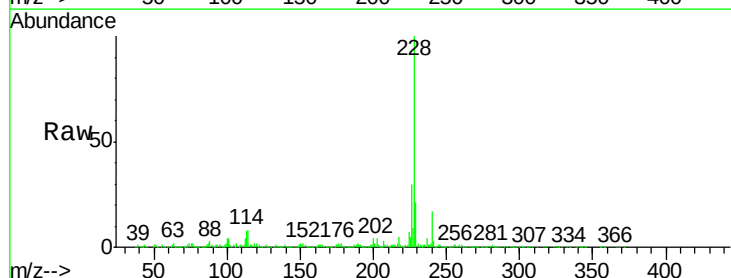
Instrument :
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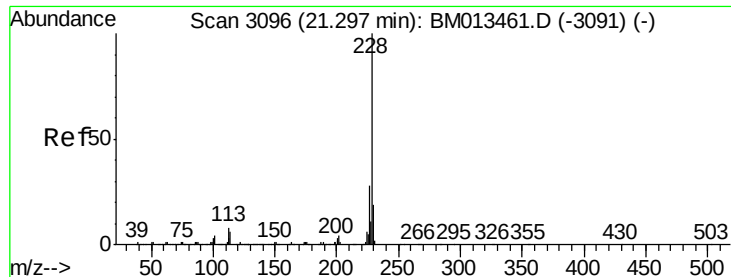
Tgt Ion:202 Resp: 3364191
 Ion Ratio Lower Upper
 202 100
 101 9.5 5.1 7.7#
 100 7.7 4.9 7.3#



#80
 Benzo(a)anthracene
 Concen: 16.64 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





#82

Chrysene

Concen: 32.93 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

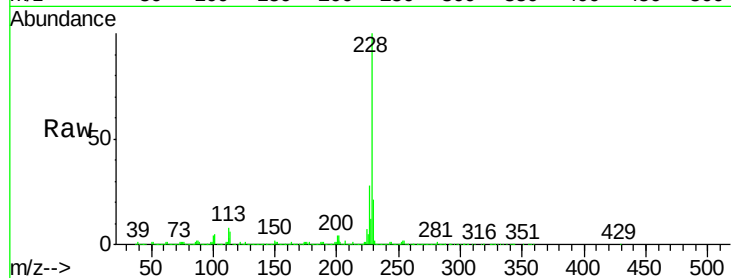
Tgt Ion:228 Resp: 2680844

Ion Ratio Lower Upper

228 100

226 28.4 23.4 35.2

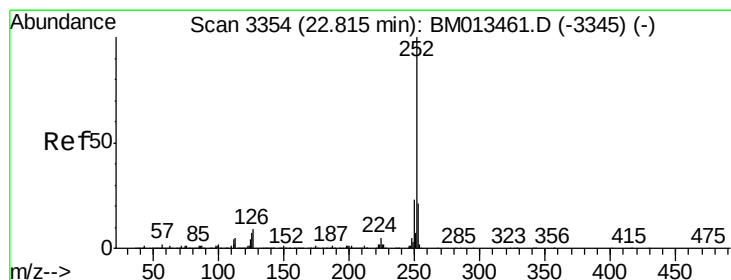
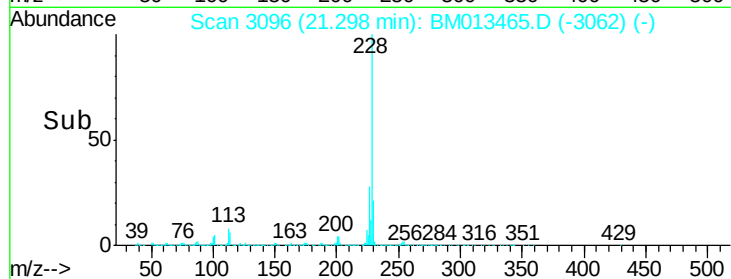
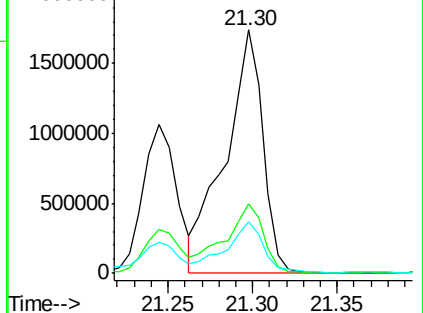
229 21.3 15.5 23.3



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: 58.43 ng/ul

RT: 22.83 min Scan# 3356

Delta R.T. 0.01 min

Lab File: BM013465.D

Acq: 16 Dec 2017 07:02

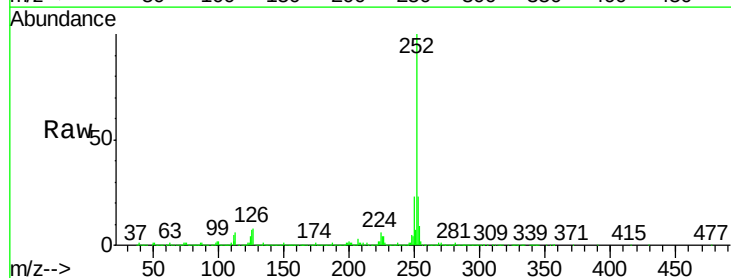
Tgt Ion:252 Resp: 4436807

Ion Ratio Lower Upper

252 100

253 23.0 17.9 26.9

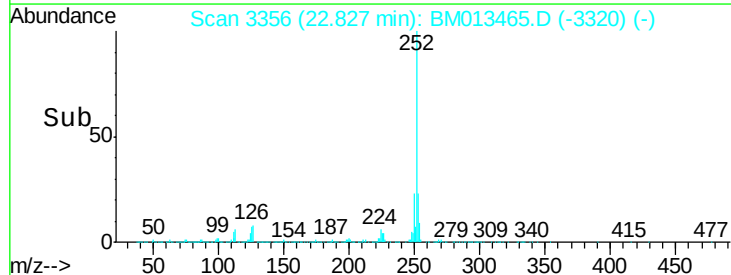
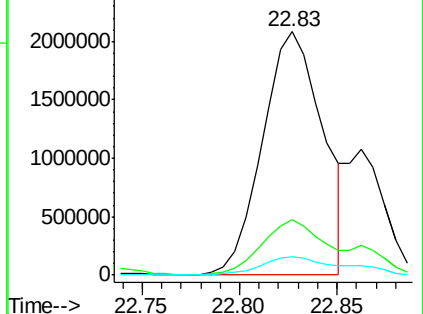
125 7.4 3.6 5.4#

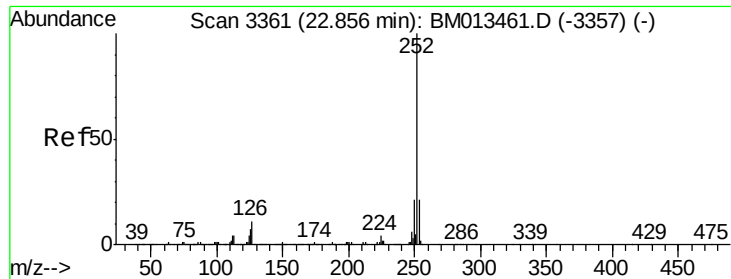


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 19.60 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 :

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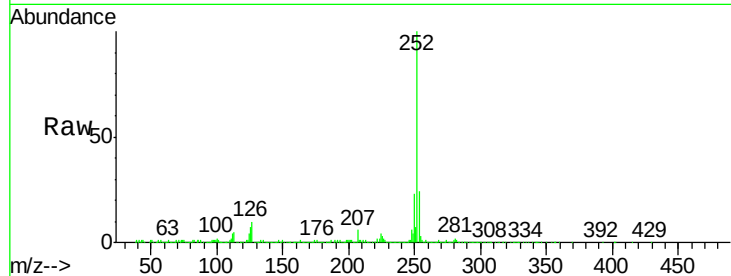
Tgt Ion:252 Resp: 1400815

Ion Ratio Lower Upper

252 100

253 23.6 17.1 25.7

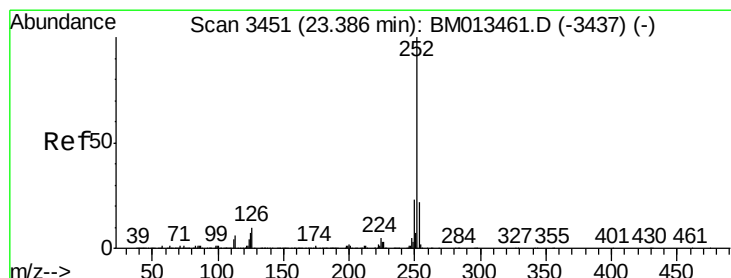
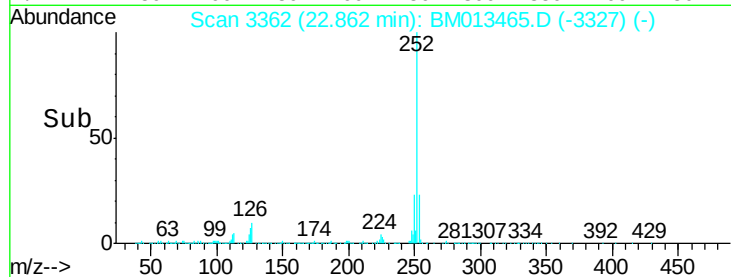
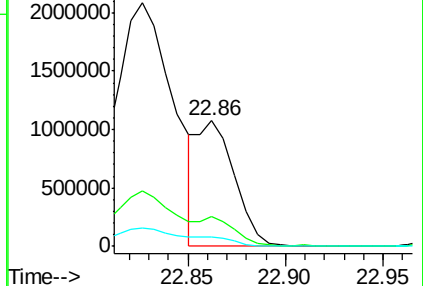
125 7.1 3.4 5.2#



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: 25.89 ng/ul

RT: 23.39 min Scan# 3452

Delta R.T. 0.01 min

Lab File: BM013465.D

Acq: 16 Dec 2017 07:02

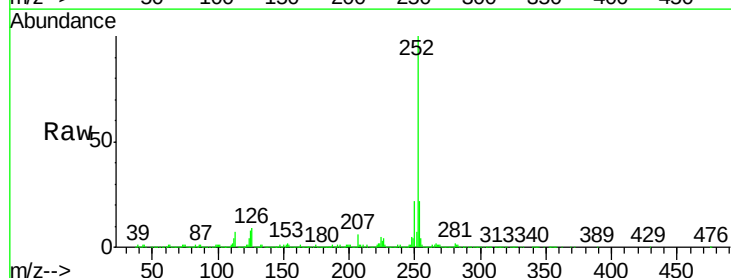
Tgt Ion:252 Resp: 1765758

Ion Ratio Lower Upper

252 100

253 22.3 18.2 27.2

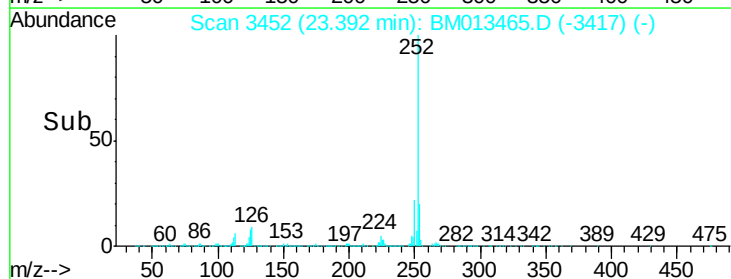
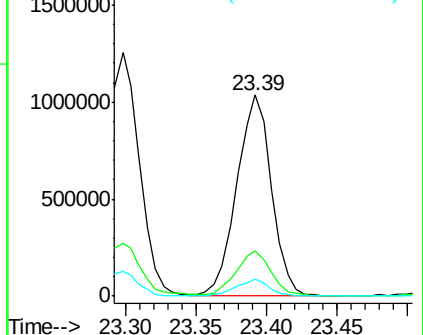
125 8.2 4.0 6.0#

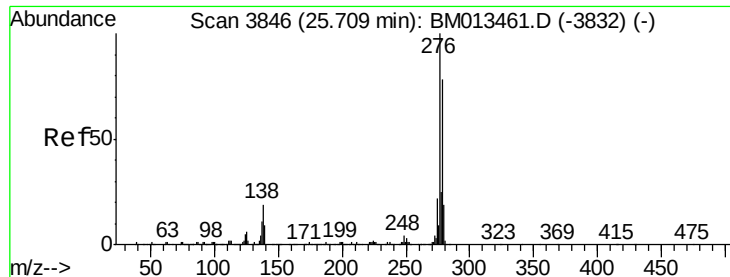


Abundance Ion 252.00 (251.70 to 252.70): E

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: 22.60 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

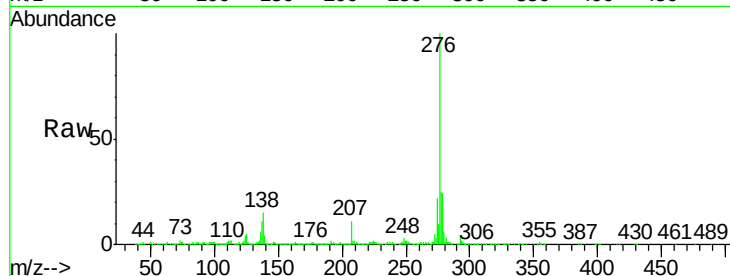
Tgt Ion:276 Resp: 1529668

Ion Ratio Lower Upper

276 100

138 15.4 9.3 13.9#

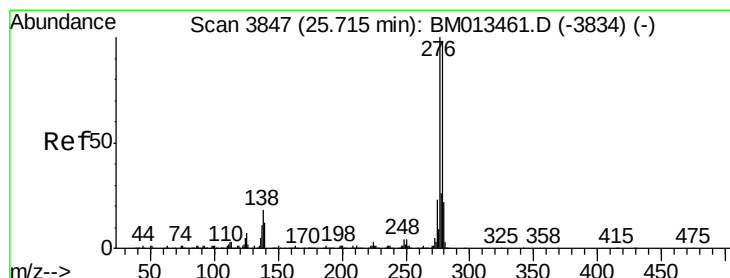
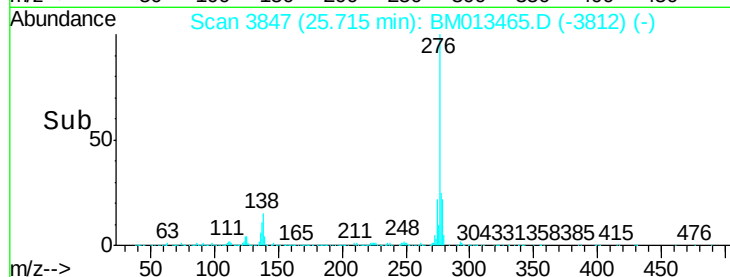
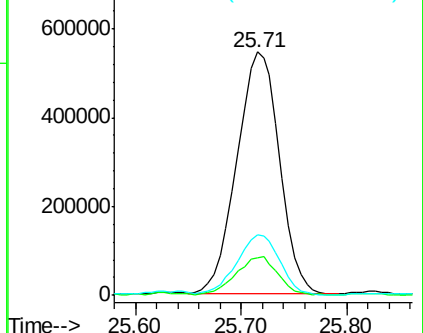
277 25.0 19.9 29.9



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: 7.29 ng/ul

RT: 25.72 min Scan# 3848

Delta R.T. -0.00 min

Lab File: BM013465.D

Acq: 16 Dec 2017 07:02

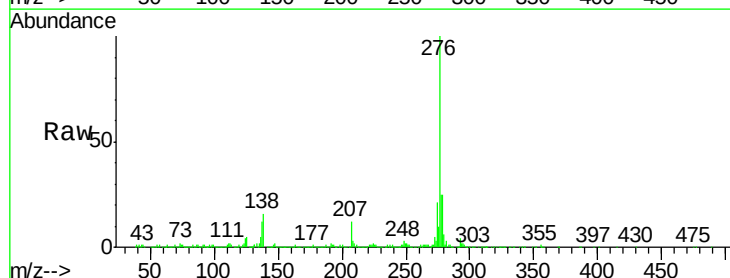
Tgt Ion:278 Resp: 419931

Ion Ratio Lower Upper

278 100

139 0.0 5.8 8.8#

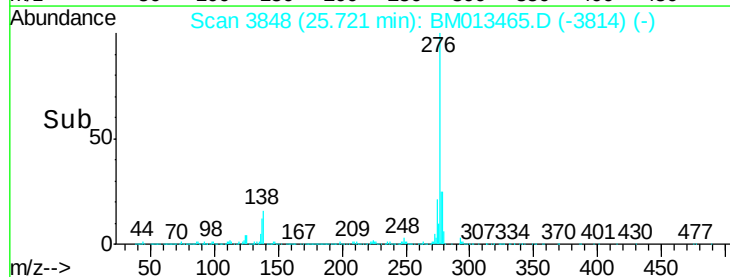
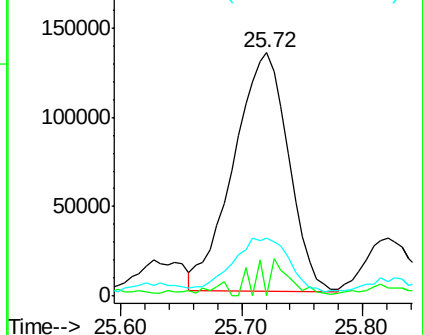
279 23.9 18.6 27.8

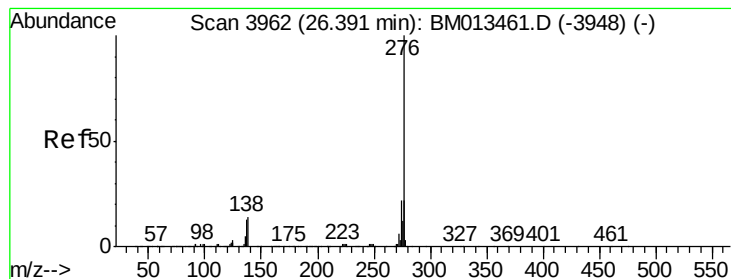


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#91

Benzo(g,h,i)perylene

Concen: 26.64 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

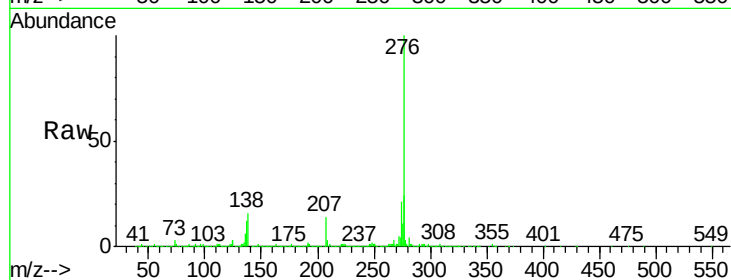
Tgt Ion:276 Resp: 1422196

Ion Ratio Lower Upper

276 100

138 15.9 8.5 12.7#

277 24.0 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

