

Data File : BM013470.D
Acq On : 16 Dec 2017 09:59
Operator : SJ/JU
Sample : I6776-05
Misc :
ALS Vial : 27 Sample Multiplier: 1Instrument :
BNA_M
ClientSampleId :
F9A57Quant Time: Dec 18 00:29:47 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	245718	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	1052956	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	607358	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	1354381	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	1257295	20.00	ng/ul	0.00
83) Perylene-d12	23.49	264	1041996	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	13451	2.71	ng/uL	0.00
5) Phenol-d5	6.85	99	457996	21.54	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	255798	21.10	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	362786	21.84	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	391834	21.57	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	186092	22.29	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	212505	23.78	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	419208	22.76	ng/ul	0.00
29) 4-Chloroaniline-d4	10.59	131	390861	23.09	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	1487614	27.52	ng/ul	0.00
46) Acenaphthylene-d8	14.01	160	1785969	26.78	ng/ul	0.00
51) 4-Nitrophenol-d4	14.53	143	288862	30.76	ng/ul	0.00
57) Fluorene-d10	15.32	176	1315527	28.30	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.44	200	159072	18.67	ng/ul	0.00
70) Anthracene-d10	17.17	188	2323290	34.25	ng/ul	0.00
76) Pyrene-d10	19.47	212	2636823	42.10	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.35	264	1897400	35.75	ng/ul	0.01

Target Compounds

					Qvalue
6) Phenol	6.88	94	44277	2.11	ng/ul 91
28) Naphthalene	10.50	128	76283	1.41	ng/ul 97
44) Dimethylphthalate	13.78	163	135300	2.62	ng/ul 100
47) Acenaphthylene	14.04	152	702586	11.38	ng/ul 99
49) Acenaphthene	14.38	153	74582	1.77	ng/ul 95
53) Dibenzofuran	14.72	168	90782	1.46	ng/ul 98
58) Fluorene	15.37	166	69116	1.35	ng/ul 95
68) Pentachlorophenol	16.72	266	188226	18.54	ng/ul 97
69) Phenanthrene	17.11	178	1274319	16.56	ng/ul 99
71) Anthracene	17.20	178	1162256	14.78	ng/ul 97
72) Carbazole	17.47	167	311323	4.60	ng/ul 99
74) Fluoranthene	19.13	202	4673728	49.57	ng/ul# 92
77) Pyrene	19.50	202	4717505	61.76	ng/ul# 92
80) Benzo(a)anthracene	21.30	228	2454501	30.77	ng/ul 95
81) Bis(2-ethylhexyl)phthalate	21.18	149	46743	1.04	ng/ul 99
82) Chrysene	21.30	228	2454501	33.17	ng/ul 98
85) Benzo(b)fluoranthene	22.83	252	4735759	67.42	ng/ul# 97
86) Benzo(k)fluoranthene	22.83	252	4735759	71.64	ng/ul# 98
88) Benzo(a)pyrene	23.40	252	2129846	33.75	ng/ul# 97
89) Indeno(1,2,3-cd)pyrene	25.72	276	2093382	33.44	ng/ul# 95
90) Dibenzo(a,h)anthracene	25.72	278	537830	10.09	ng/ul# 89
91) Benzo(g,h,i)perylene	26.41	276	2327782	47.14	ng/ul# 96

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121517\
Quantitation Report (Not Reviewed)

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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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Operator : SJ/JU

Sample : I6776-05

Misc :

ALS Vial : 27 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

F9A57

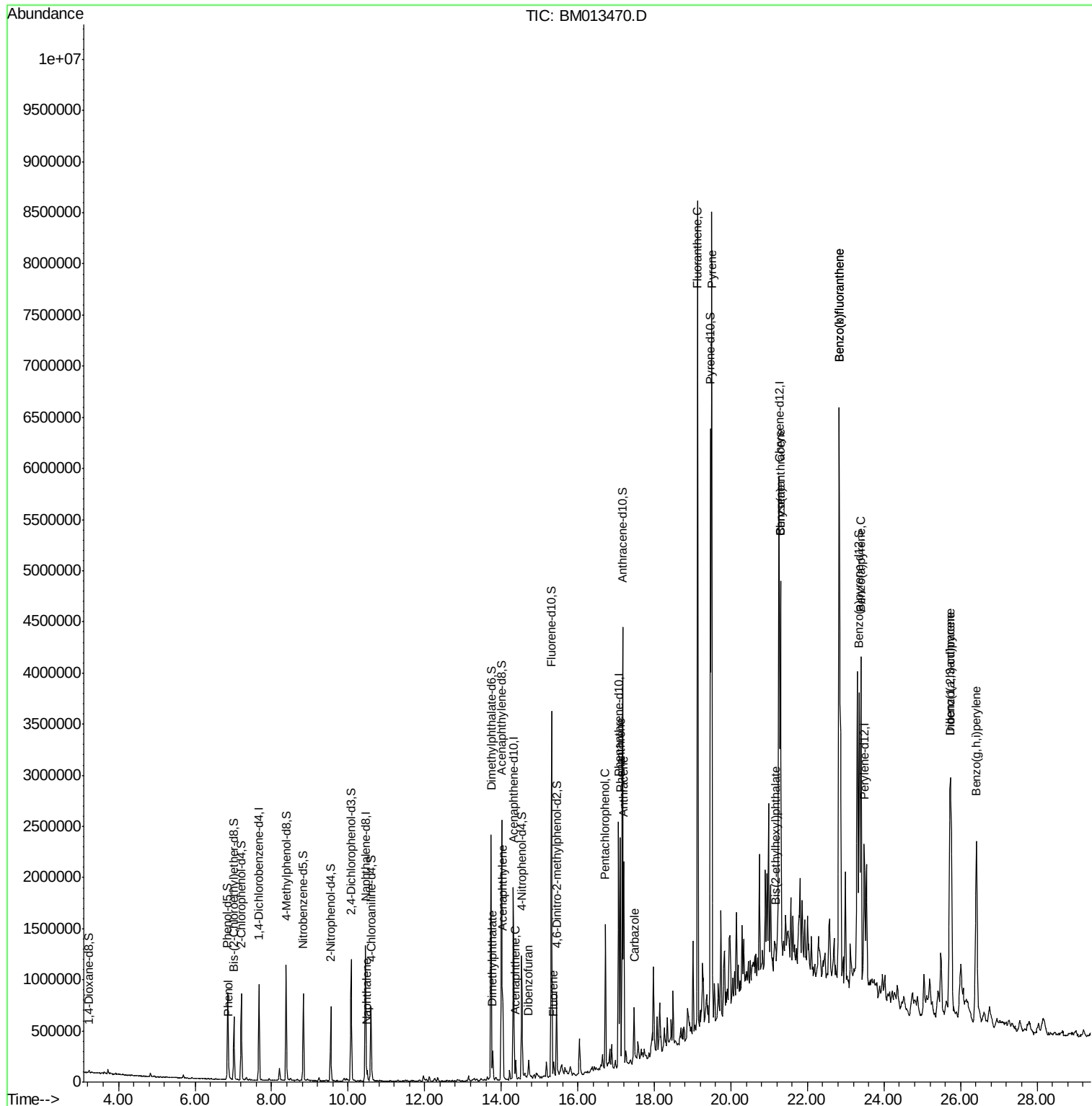
Quant Time: Dec 18 00:29:47 2017

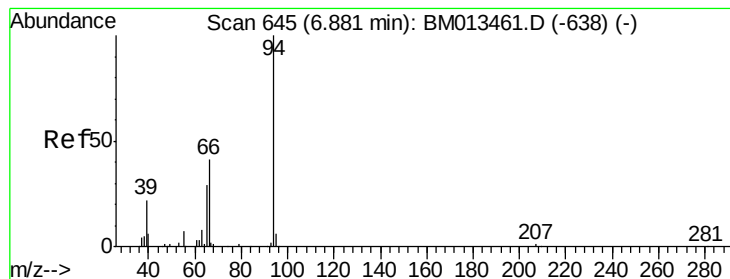
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat Dec 16 00:23:08 2017

Response via : Initial Calibration





#6

Phenol

Concen: 2.11 ng/ul

RT: 6.88 min Scan# 645

Delta R.T. -0.00 min

Lab File: BM013470.D

Acq: 16 Dec 2017 09:59

Instrument :

BNA_M

ClientSampleId :

F9A57

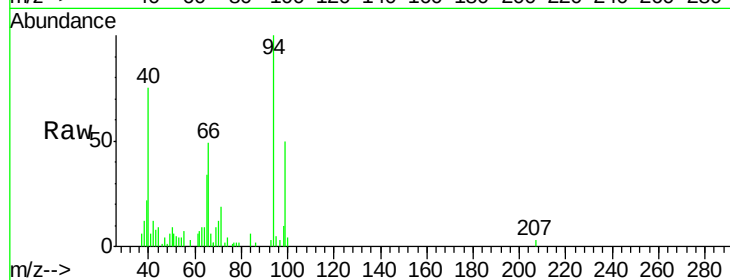
Tgt Ion: 94 Resp: 44277

Ion Ratio Lower Upper

94 100

65 33.9 28.2 42.4

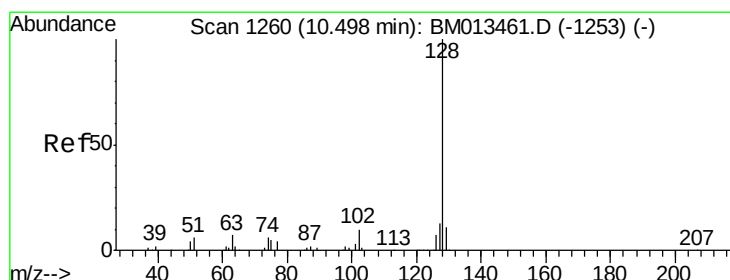
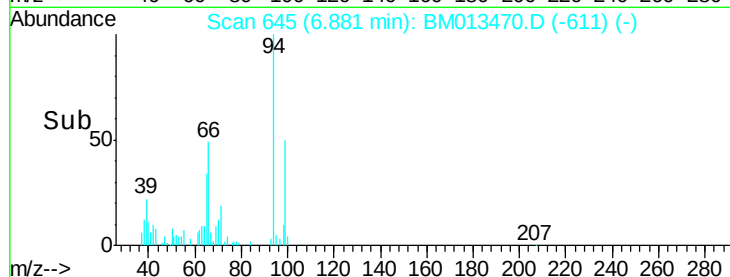
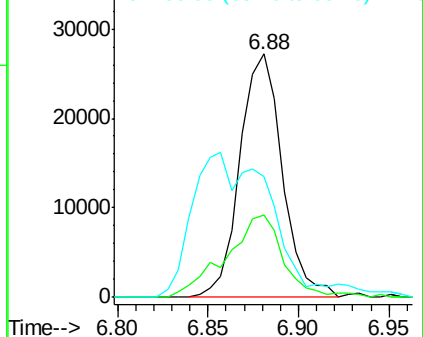
66 49.5 47.2 70.8



Abundance Ion 94.00 (93.70 to 94.70): BM013461.D (-638) (-)

Ion 65.00 (64.70 to 65.70): BM013461.D (-638) (-)

Ion 66.00 (65.70 to 66.70): BM013461.D (-638) (-)



#28

Naphthalene

Concen: 1.41 ng/ul

RT: 10.50 min Scan# 1260

Delta R.T. -0.01 min

Lab File: BM013470.D

Acq: 16 Dec 2017 09:59

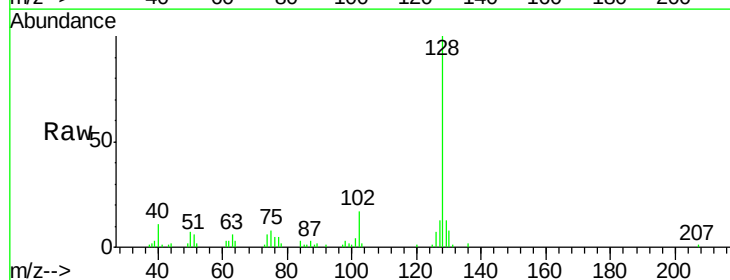
Tgt Ion: 128 Resp: 76283

Ion Ratio Lower Upper

128 100

129 12.9 8.8 13.2

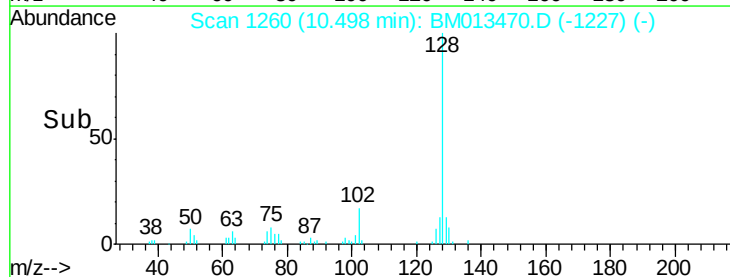
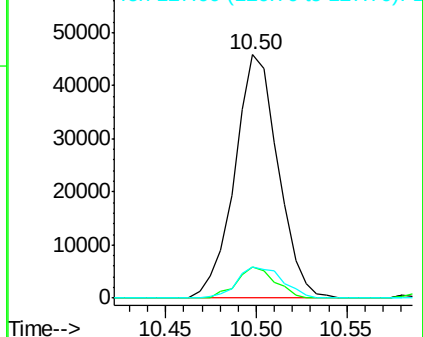
127 12.7 10.6 16.0

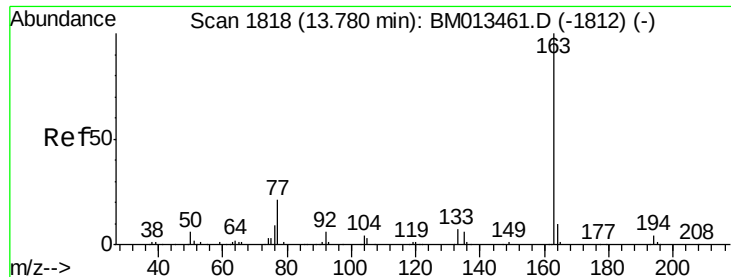


Abundance Ion 128.00 (127.70 to 128.70): BM013461.D (-1253) (-)

Ion 129.00 (128.70 to 129.70): BM013461.D (-1253) (-)

Ion 127.00 (126.70 to 127.70): BM013461.D (-1253) (-)





#44

Dimethylphthalate

Concen: 2.62 ng/ul

RT: 13.78 min Scan# 1818

Delta R.T. -0.00 min

Lab File: BM013470.D

Acq: 16 Dec 2017 09:59

Instrument :

BNA_M

ClientSampleId :

F9A57

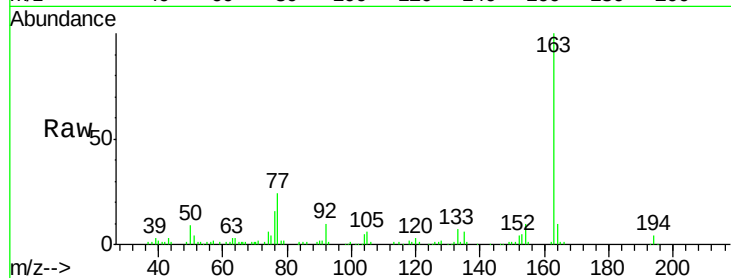
Tgt Ion:163 Resp: 135300

Ion Ratio Lower Upper

163 100

194 4.4 3.5 5.3

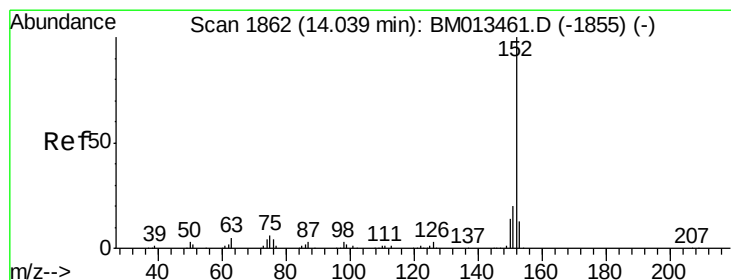
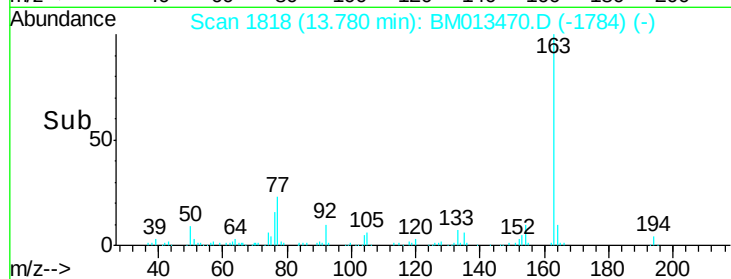
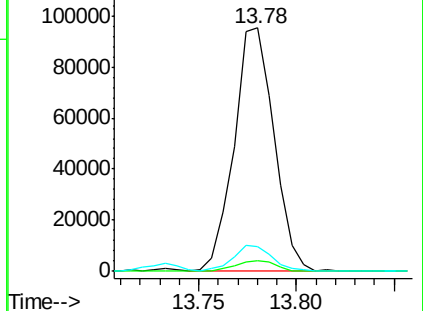
164 10.0 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#47

Acenaphthylene

Concen: 11.38 ng/ul

RT: 14.04 min Scan# 1862

Delta R.T. -0.00 min

Lab File: BM013470.D

Acq: 16 Dec 2017 09:59

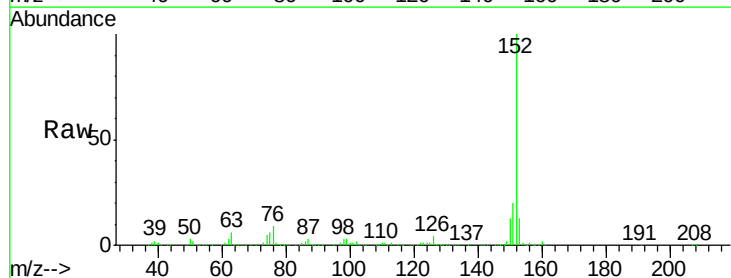
Tgt Ion:152 Resp: 702586

Ion Ratio Lower Upper

152 100

151 20.0 16.3 24.5

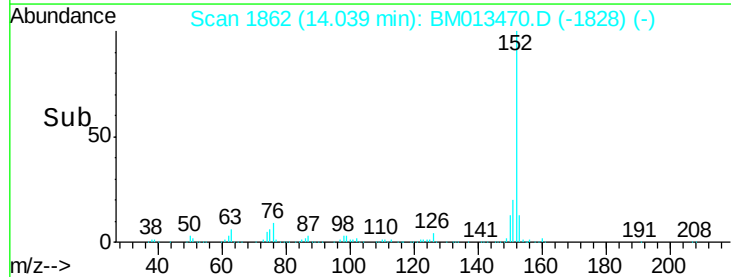
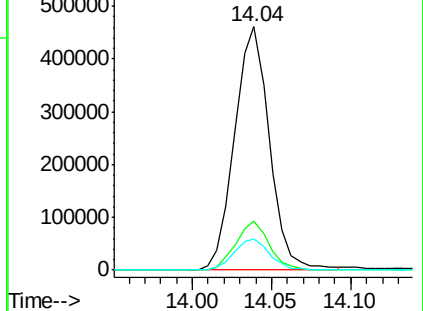
153 12.9 10.2 15.4

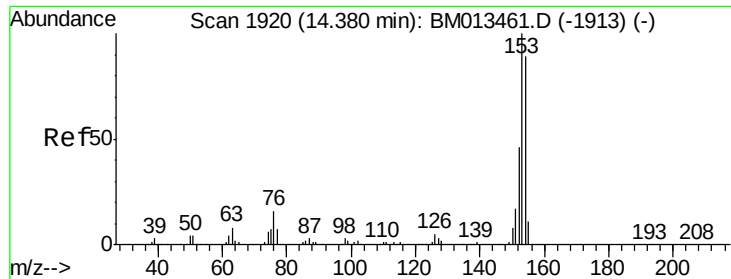


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 1.77 ng/ul

RT: 14.38 min Scan# 1920

Delta R.T. -0.00 min

Lab File: BM013470.D

Acq: 16 Dec 2017 09:59

Instrument :

BNA_M

ClientSampleId :

F9A57

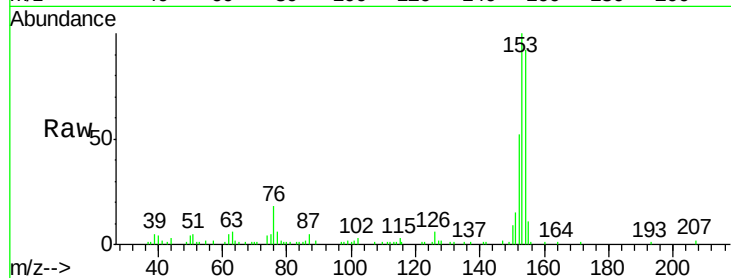
Tgt Ion:153 Resp: 74582

Ion Ratio Lower Upper

153 100

152 51.7 37.6 56.4

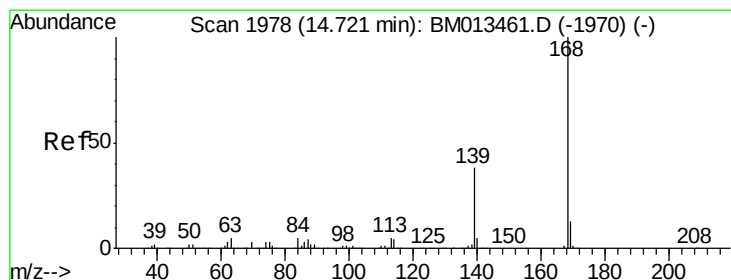
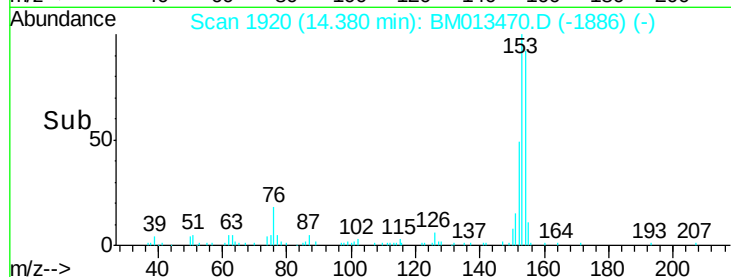
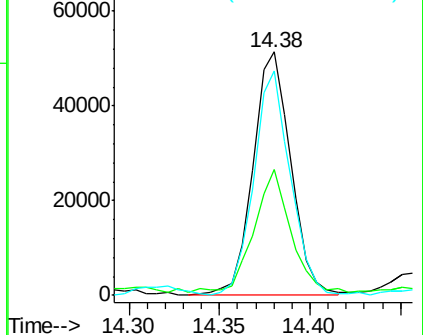
154 92.3 70.4 105.6



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: 1.46 ng/ul

RT: 14.72 min Scan# 1977

Delta R.T. -0.01 min

Lab File: BM013470.D

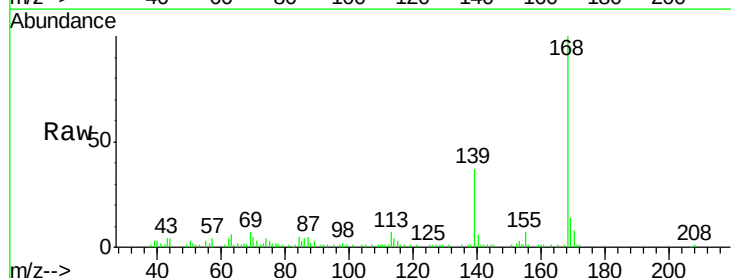
Acq: 16 Dec 2017 09:59

Tgt Ion:168 Resp: 90782

Ion Ratio Lower Upper

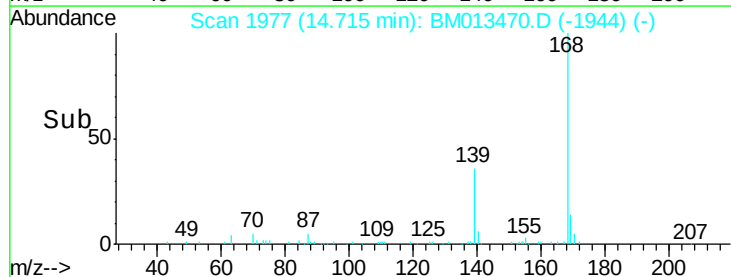
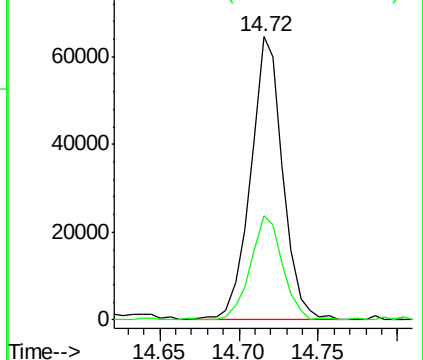
168 100

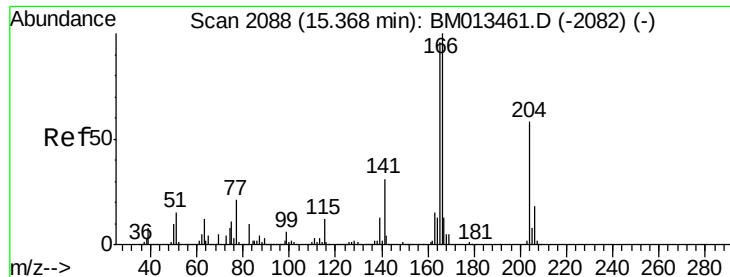
139 37.0 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 1.35 ng/ul

RT: 15.37 min Scan# 2088

Delta R.T. -0.00 min

Lab File: BM013470.D

Acq: 16 Dec 2017 09:59

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BNA_M

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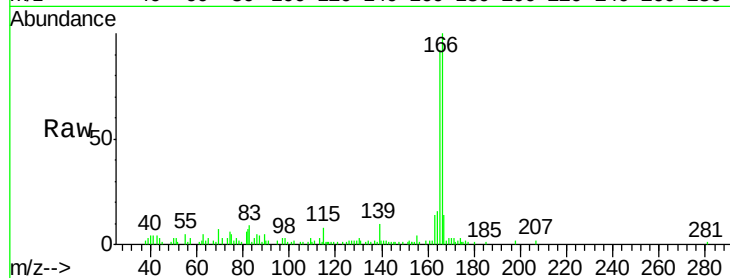
Tgt Ion:166 Resp: 69116

Ion Ratio Lower Upper

166 100

165 91.6 77.9 116.9

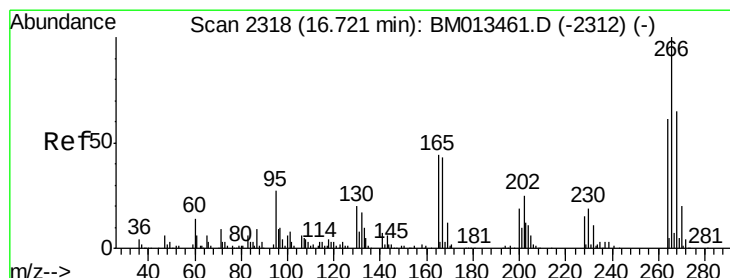
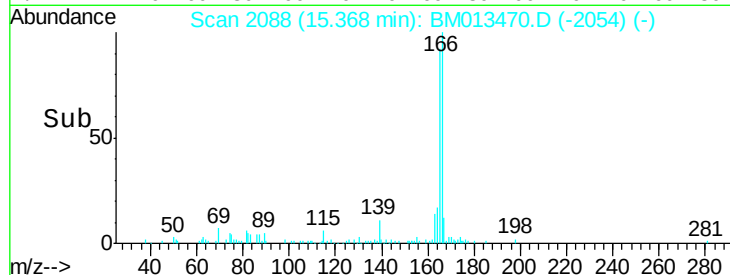
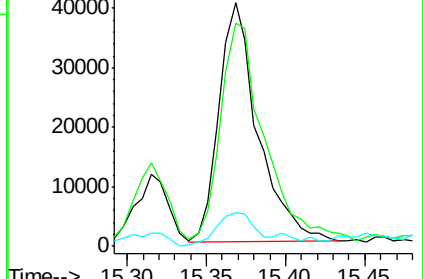
167 13.7 10.6 16.0



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



#68

Pentachlorophenol

Concen: 18.54 ng/ul

RT: 16.72 min Scan# 2318

Delta R.T. -0.00 min

Lab File: BM013470.D

Acq: 16 Dec 2017 09:59

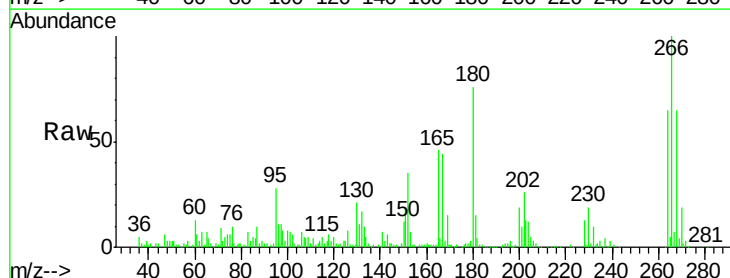
Tgt Ion:266 Resp: 188226

Ion Ratio Lower Upper

266 100

264 64.6 49.3 73.9

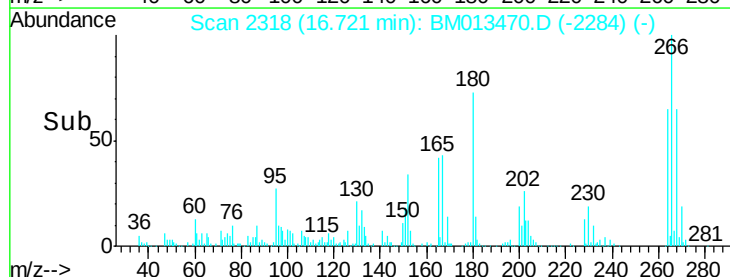
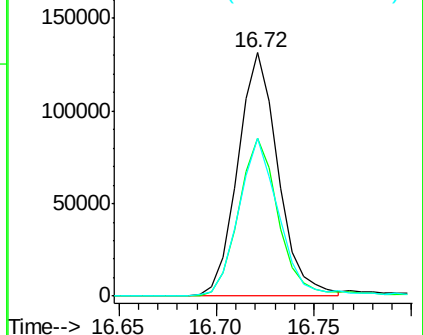
268 64.6 52.6 78.8

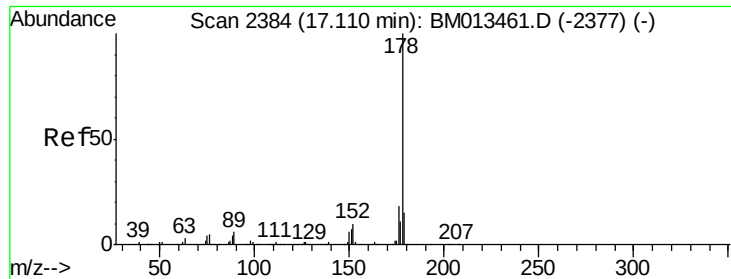


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#69

Phenanthrene

Concen: 16.56 ng/ul

RT: 17.11 min Scan# 2384

Delta R.T. -0.00 min

Lab File: BM013470.D

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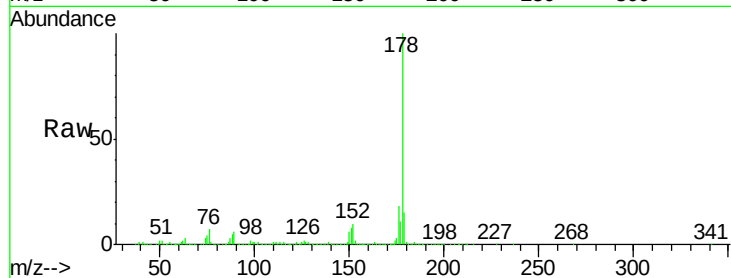
Tgt Ion:178 Resp: 1274319

Ion Ratio Lower Upper

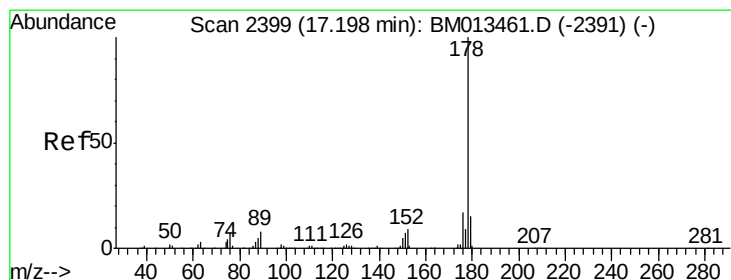
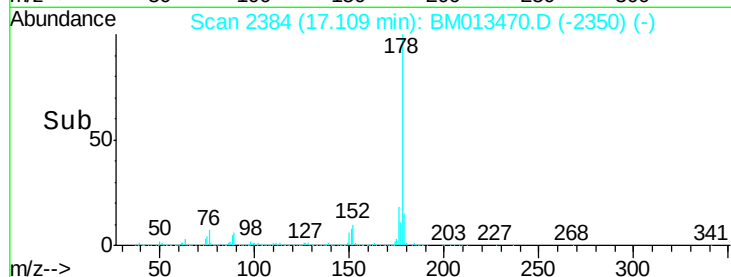
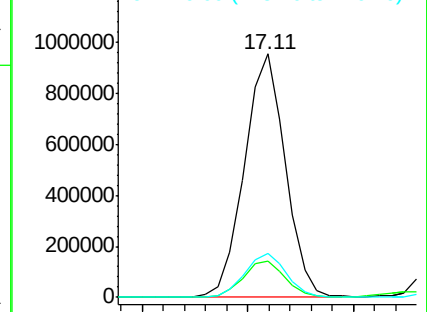
178 100

179 15.2 12.6 19.0

176 18.0 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: 14.78 ng/ul

RT: 17.20 min Scan# 2399

Delta R.T. -0.01 min

Lab File: BM013470.D

Acq: 16 Dec 2017 09:59

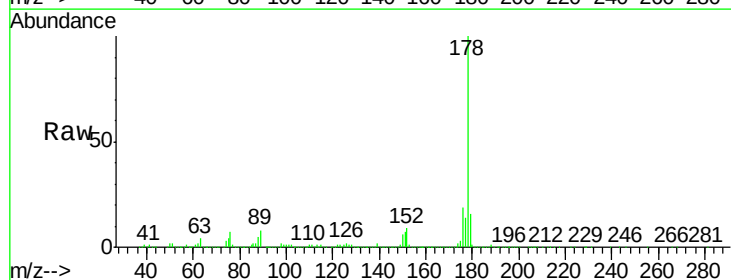
Tgt Ion:178 Resp: 1162256

Ion Ratio Lower Upper

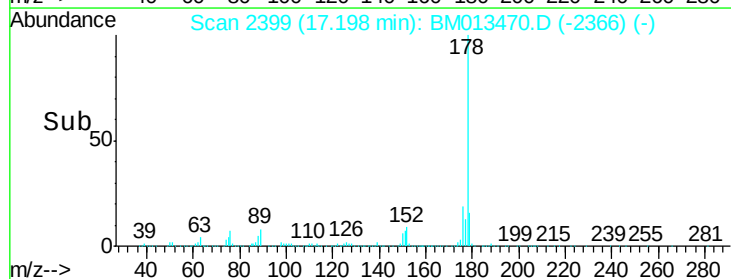
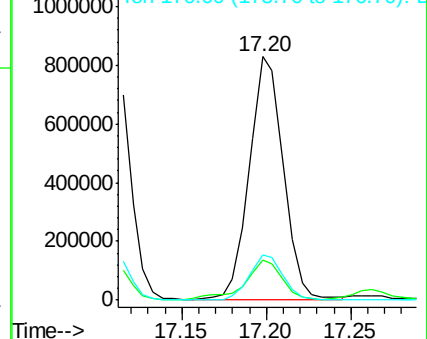
178 100

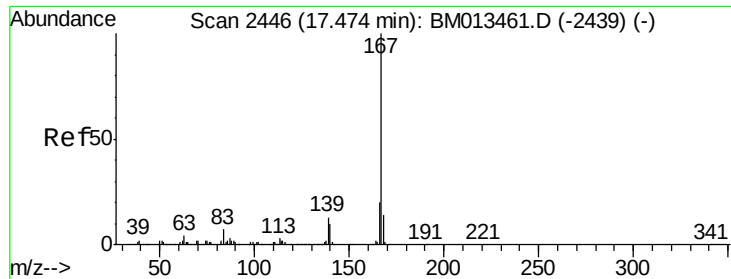
179 16.3 11.7 17.5

176 18.8 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: 4.60 ng/ul

RT: 17.47 min Scan# 2446

Delta R.T. -0.00 min

Lab File: BM013470.D

Acq: 16 Dec 2017 09:59

Instrument :

BNA_M

ClientSampleId :

F9A57

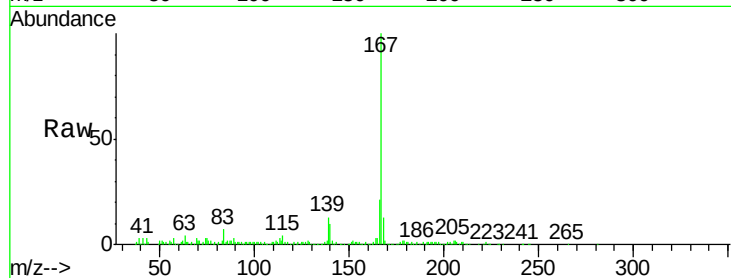
Tgt Ion:167 Resp: 311323

Ion Ratio Lower Upper

167 100

166 21.3 17.1 25.7

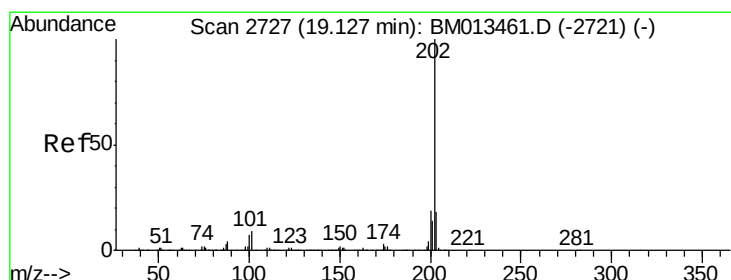
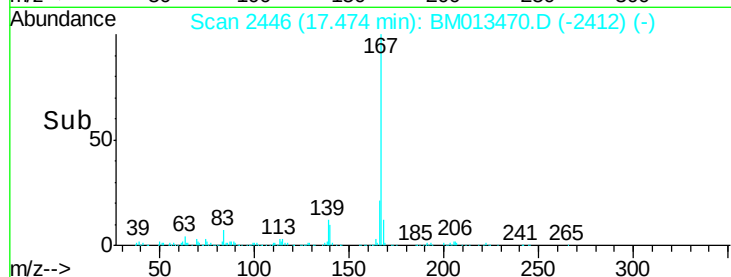
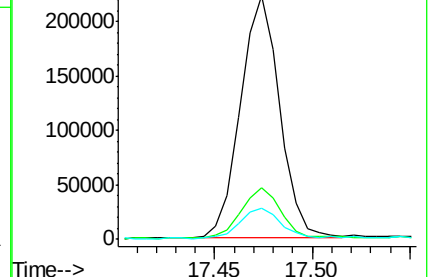
139 13.0 10.0 15.0



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: 49.57 ng/ul

RT: 19.13 min Scan# 2728

Delta R.T. 0.01 min

Lab File: BM013470.D

Acq: 16 Dec 2017 09:59

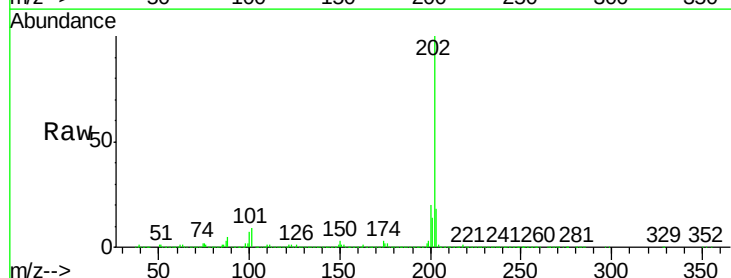
Tgt Ion:202 Resp: 4673728

Ion Ratio Lower Upper

202 100

101 8.5 4.6 7.0#

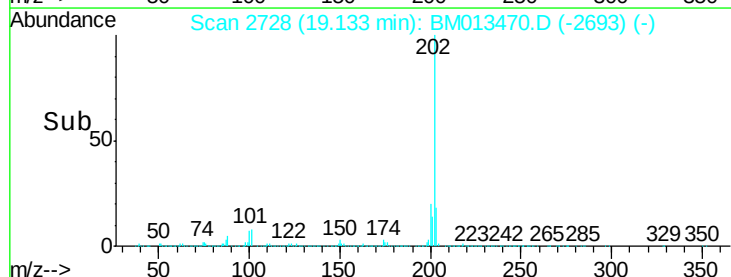
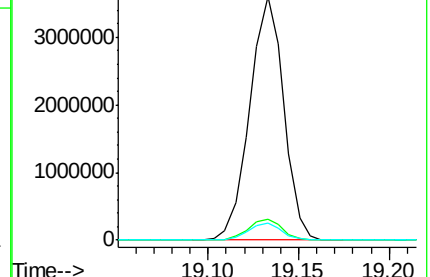
100 6.8 3.4 5.2#

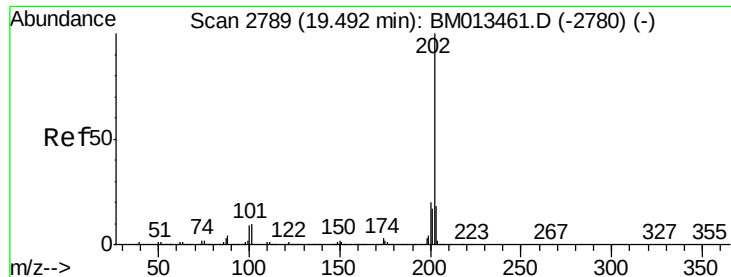


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

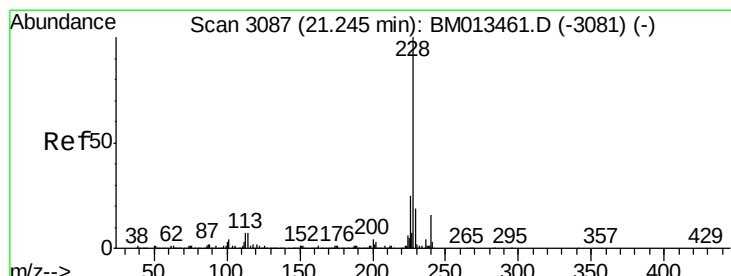
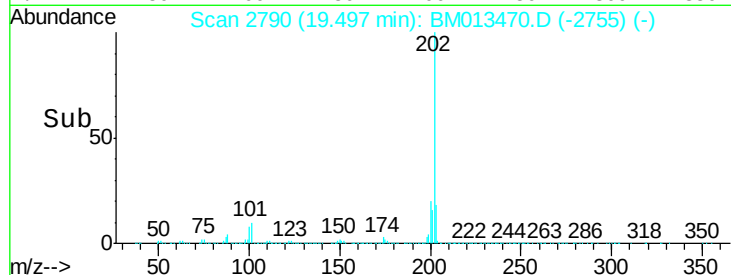
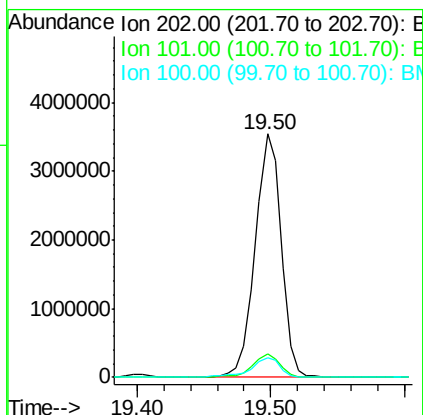
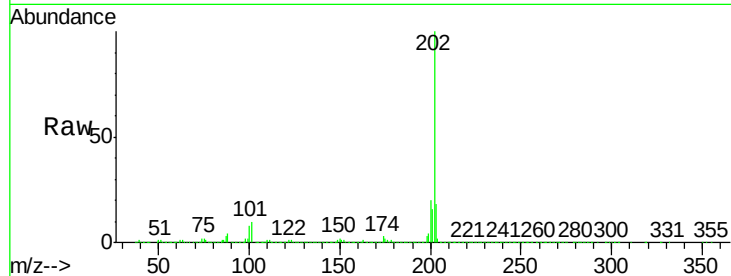




#77
 Pyrene
 Concen: 61.76 ng/ul
 RT: 19.50 min Scan# 2790
 Delta R.T. 0.01 min
 Lab File: BM013470.D
 Acq: 16 Dec 2017 09:59

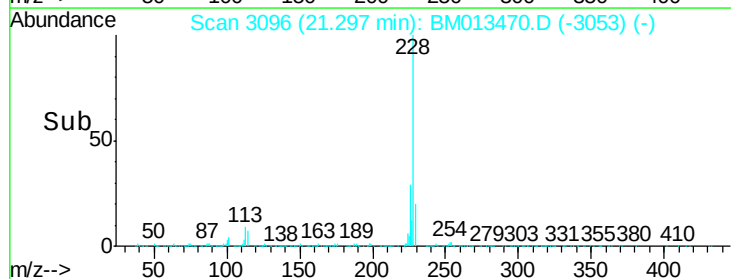
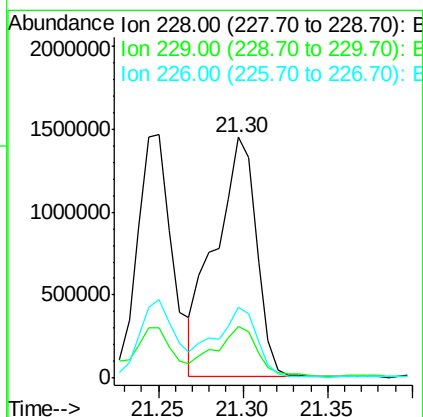
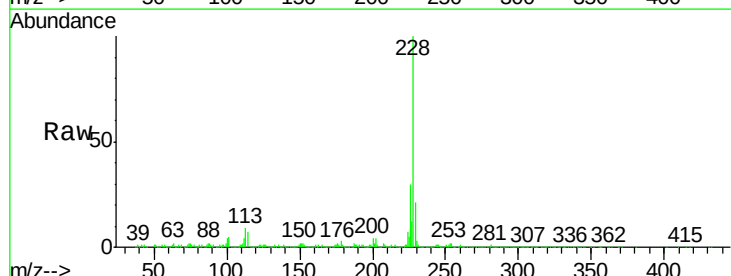
Instrument :
 BNA_M
 ClientSampleId :
 F9A57

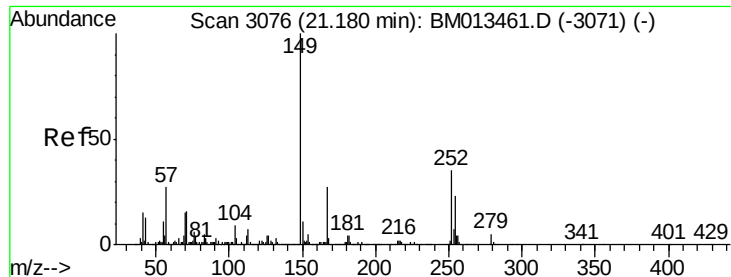
Tgt Ion:202 Resp: 4717505
 Ion Ratio Lower Upper
 202 100
 101 9.8 5.1 7.7#
 100 8.2 4.9 7.3#



#80
 Benzo(a)anthracene
 Concen: 30.77 ng/ul
 RT: 21.30 min Scan# 3096
 Delta R.T. 0.05 min
 Lab File: BM013470.D
 Acq: 16 Dec 2017 09:59

Tgt Ion:228 Resp: 2454501
 Ion Ratio Lower Upper
 228 100
 229 21.5 15.4 23.0
 226 29.6 21.4 32.0

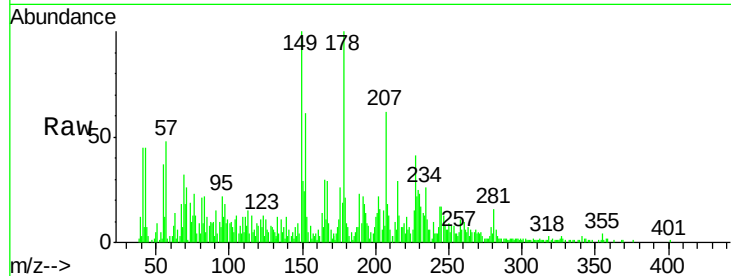




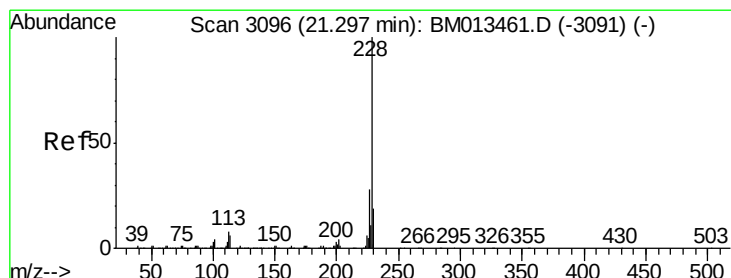
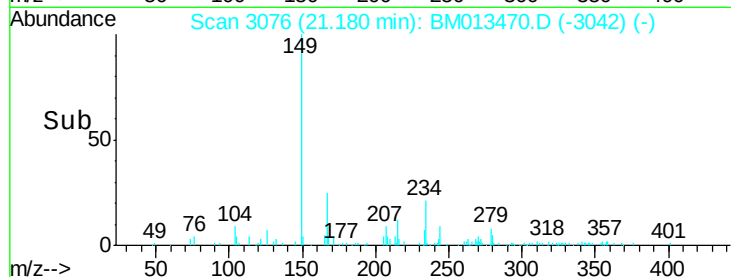
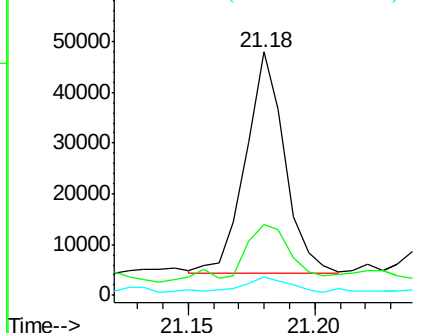
#81
Bis(2-ethylhexyl)phthalate
Concen: 1.04 ng/ul
RT: 21.18 min Scan# 3076
Delta R.T. -0.00 min
Lab File: BM013470.D
Acq: 16 Dec 2017 09:59

Instrument :
BNA_M
ClientSampleId :
F9A57

Tgt Ion:149 Resp: 46743
Ion Ratio Lower Upper
149 100
167 29.0 22.8 34.2
279 7.3 4.9 7.3

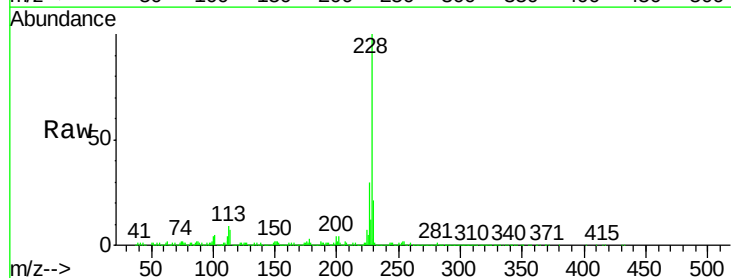


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E

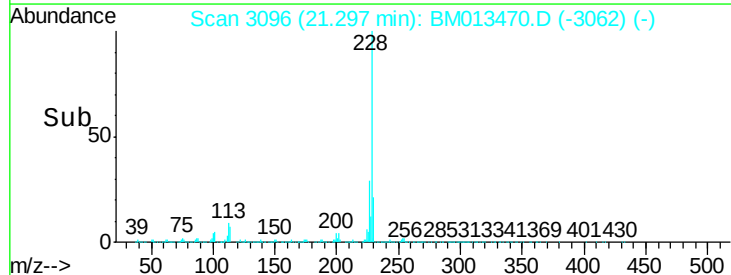
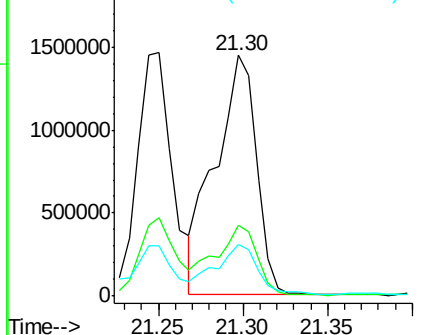


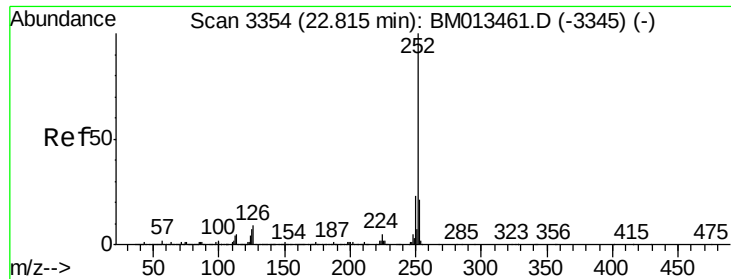
#82
Chrysene
Concen: 33.17 ng/ul
RT: 21.30 min Scan# 3096
Delta R.T. -0.00 min
Lab File: BM013470.D
Acq: 16 Dec 2017 09:59

Tgt Ion:228 Resp: 2454501
Ion Ratio Lower Upper
228 100
226 29.6 23.4 35.2
229 21.5 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: 67.42 ng/ul

RT: 22.83 min Scan# 3356

Delta R.T. 0.01 min

Lab File: BM013470.D

Acq: 16 Dec 2017 09:59

Instrument :

BNA_M

ClientSampleId :

F9A57

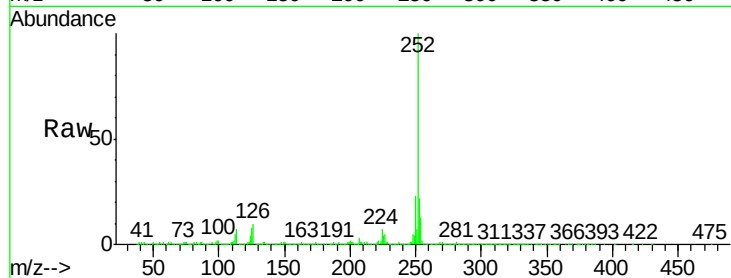
Tgt Ion:252 Resp: 4735759

Ion Ratio Lower Upper

252 100

253 21.7 17.9 26.9

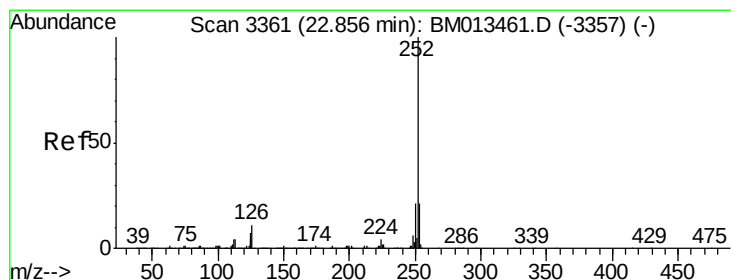
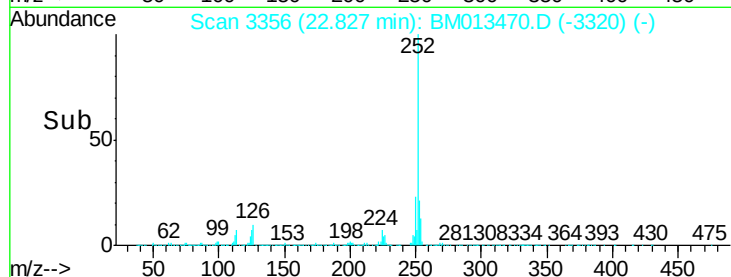
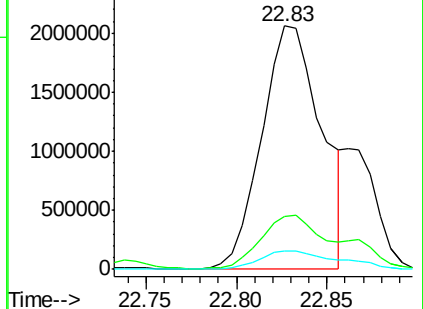
125 7.6 3.6 5.4#



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: 71.64 ng/ul

RT: 22.83 min Scan# 3356

Delta R.T. -0.03 min

Lab File: BM013470.D

Acq: 16 Dec 2017 09:59

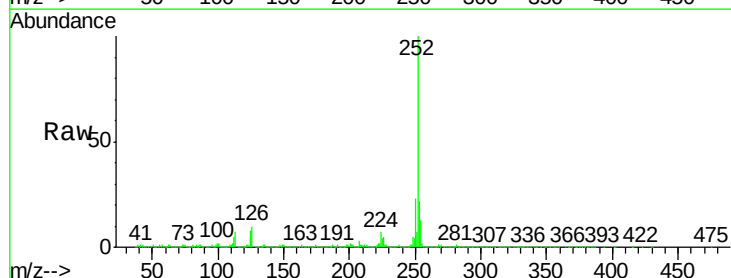
Tgt Ion:252 Resp: 4735759

Ion Ratio Lower Upper

252 100

253 21.7 17.1 25.7

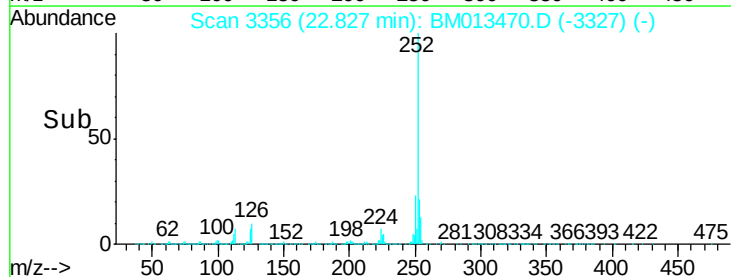
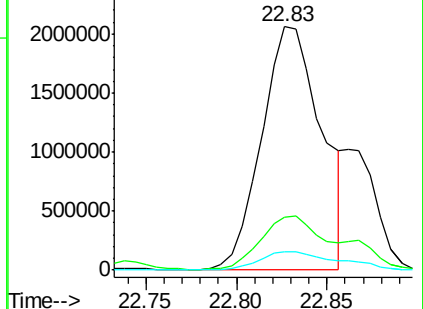
125 7.6 3.4 5.2#

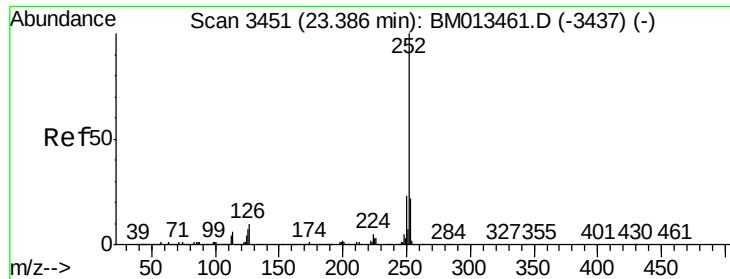


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 33.75 ng/ul

RT: 23.40 min Scan# 3453

Delta R.T. 0.01 min

Lab File: BM013470.D

Acq: 16 Dec 2017 09:59

Instrument :

BNA_M

ClientSampleId :

F9A57

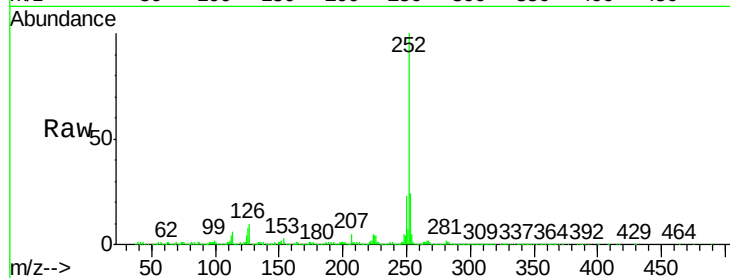
Tgt Ion:252 Resp: 2129846

Ion Ratio Lower Upper

252 100

253 23.6 18.2 27.2

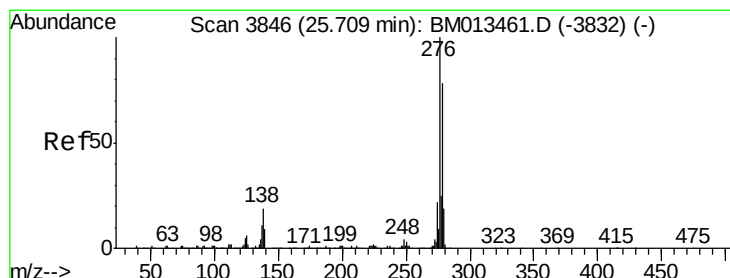
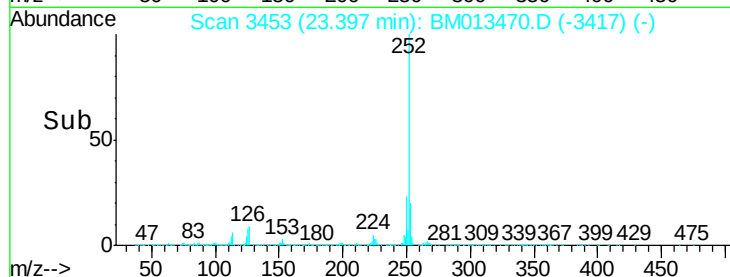
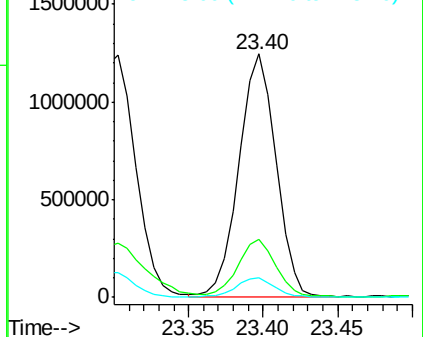
125 7.8 4.0 6.0#



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: 33.44 ng/ul

RT: 25.72 min Scan# 3848

Delta R.T. 0.01 min

Lab File: BM013470.D

Acq: 16 Dec 2017 09:59

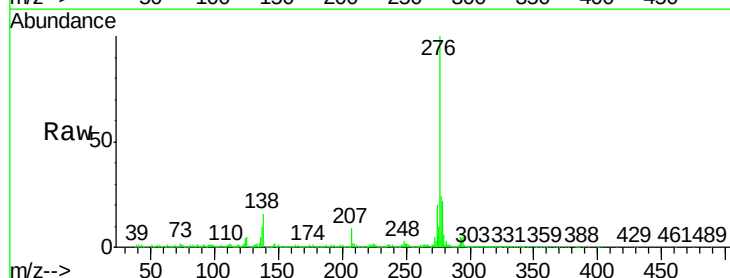
Tgt Ion:276 Resp: 2093382

Ion Ratio Lower Upper

276 100

138 15.8 9.3 13.9#

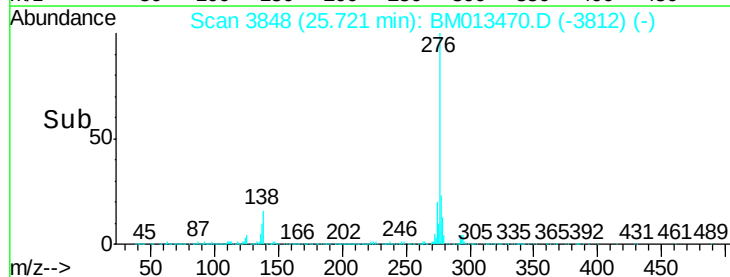
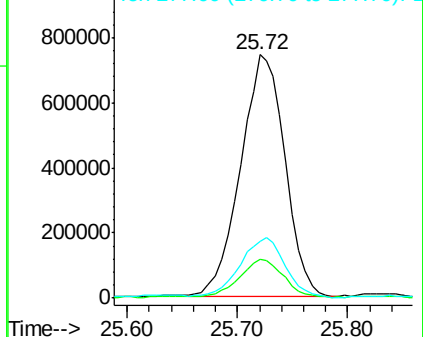
277 23.5 19.9 29.9

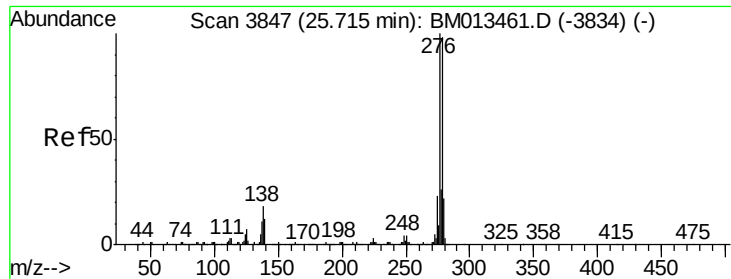


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 10.09 ng/ul

RT: 25.72 min Scan# 3848

Delta R.T. -0.00 min

Lab File: BM013470.D

Acq: 16 Dec 2017 09:59

Instrument :

BNA_M

ClientSampleId :

F9A57

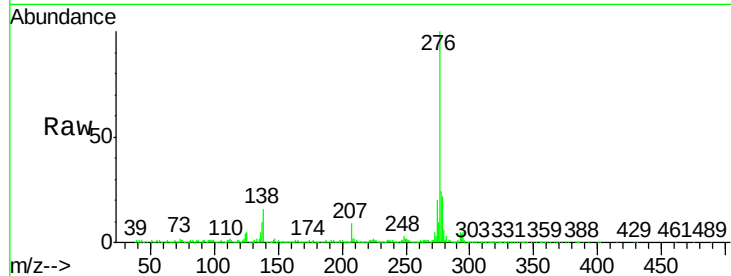
Tgt Ion:278 Resp: 537830

Ion Ratio Lower Upper

278 100

139 0.0 5.8 8.8#

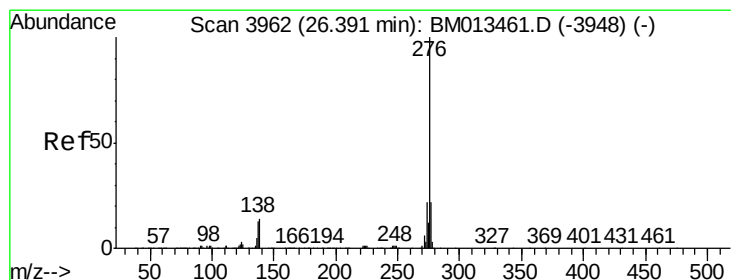
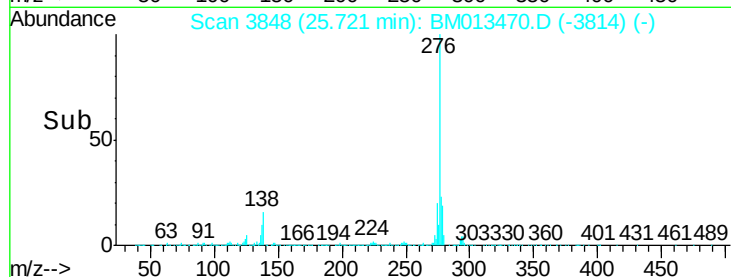
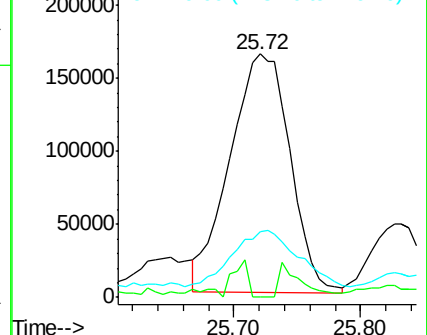
279 27.2 18.6 27.8



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: 47.14 ng/ul

RT: 26.41 min Scan# 3966

Delta R.T. 0.02 min

Lab File: BM013470.D

Acq: 16 Dec 2017 09:59

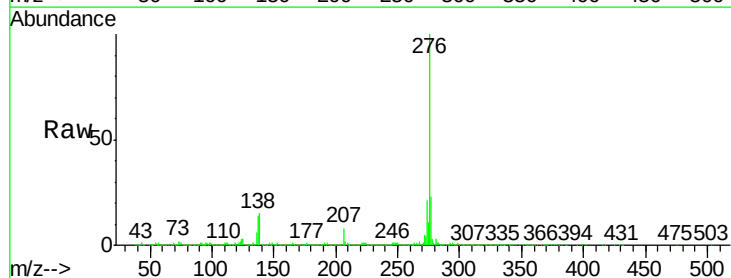
Tgt Ion:276 Resp: 2327782

Ion Ratio Lower Upper

276 100

138 15.2 8.5 12.7#

277 23.5 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

