

Data File : BM013422.D
Acq On : 15 Dec 2017 03:38
Operator : SJ/JU
Sample : I6758-11
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9B12

Quant Time: Dec 15 06:06:15 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Dec 15 05:52:21 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	250352	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	1055968	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	612441	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	1349868	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	1115003	20.00	ng/ul	0.00
83) Perylene-d12	23.49	264	984534	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	18313	3.62	ng/uL	0.00
5) Phenol-d5	6.86	99	458369	21.16	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	264983	21.45	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	378003	22.33	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	392593	21.22	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	187611	22.40	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	212425	23.70	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	395839	21.43	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	235475	13.87	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	1215279	22.30	ng/ul	0.00
46) Acenaphthylene-d8	14.01	160	1490653	22.16	ng/ul	0.00
51) 4-Nitrophenol-d4	14.53	143	194084	20.50	ng/ul	0.00
57) Fluorene-d10	15.32	176	1023311	21.83	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.45	200	171070	20.15	ng/ul	0.00
70) Anthracene-d10	17.17	188	1549806	22.92	ng/ul	0.00
76) Pyrene-d10	19.47	212	1472213	26.50	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.36	264	1020307	20.35	ng/ul	0.02

Target Compounds

						Qvalue
6) Phenol	6.88	94	74543	3.48	ng/ul#	83
28) Naphthalene	10.50	128	61212	1.13	ng/ul	97
44) Dimethylphthalate	13.78	163	200705	3.85	ng/ul	99
47) Acenaphthylene	14.04	152	2174643	34.94	ng/ul	98
49) Acenaphthene	14.38	153	48515	1.14	ng/ul	98
58) Fluorene	15.37	166	105295	2.03	ng/ul#	91
68) Pentachlorophenol	16.72	266	319674	31.58	ng/ul	96
69) Phenanthrene	17.11	178	225388	2.94	ng/ul	97
71) Anthracene	17.20	178	2314901	29.53	ng/ul	98
72) Carbazole	17.47	167	335175	4.97	ng/ul	97
74) Fluoranthene	19.13	202	2256788	24.01	ng/ul#	94
77) Pyrene	19.50	202	2731961	40.33	ng/ul#	93
80) Benzo(a)anthracene	21.30	228	2303495	32.56	ng/ul	92
82) Chrysene	21.30	228	2303495	35.10	ng/ul	96
85) Benzo(b)fluoranthene	22.83	252	6061015	91.32	ng/ul#	97
86) Benzo(k)fluoranthene	22.83	252	6061015	97.04	ng/ul#	95
88) Benzo(a)pyrene	23.40	252	3178951	53.32	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.74	276	4399653	74.37	ng/ul#	96
90) Dibenzo(a,h)anthracene	25.74	278	1136897	22.57	ng/ul#	90
91) Benzo(g,h,i)perylene	26.44	276	4382408	93.92	ng/ul#	95

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

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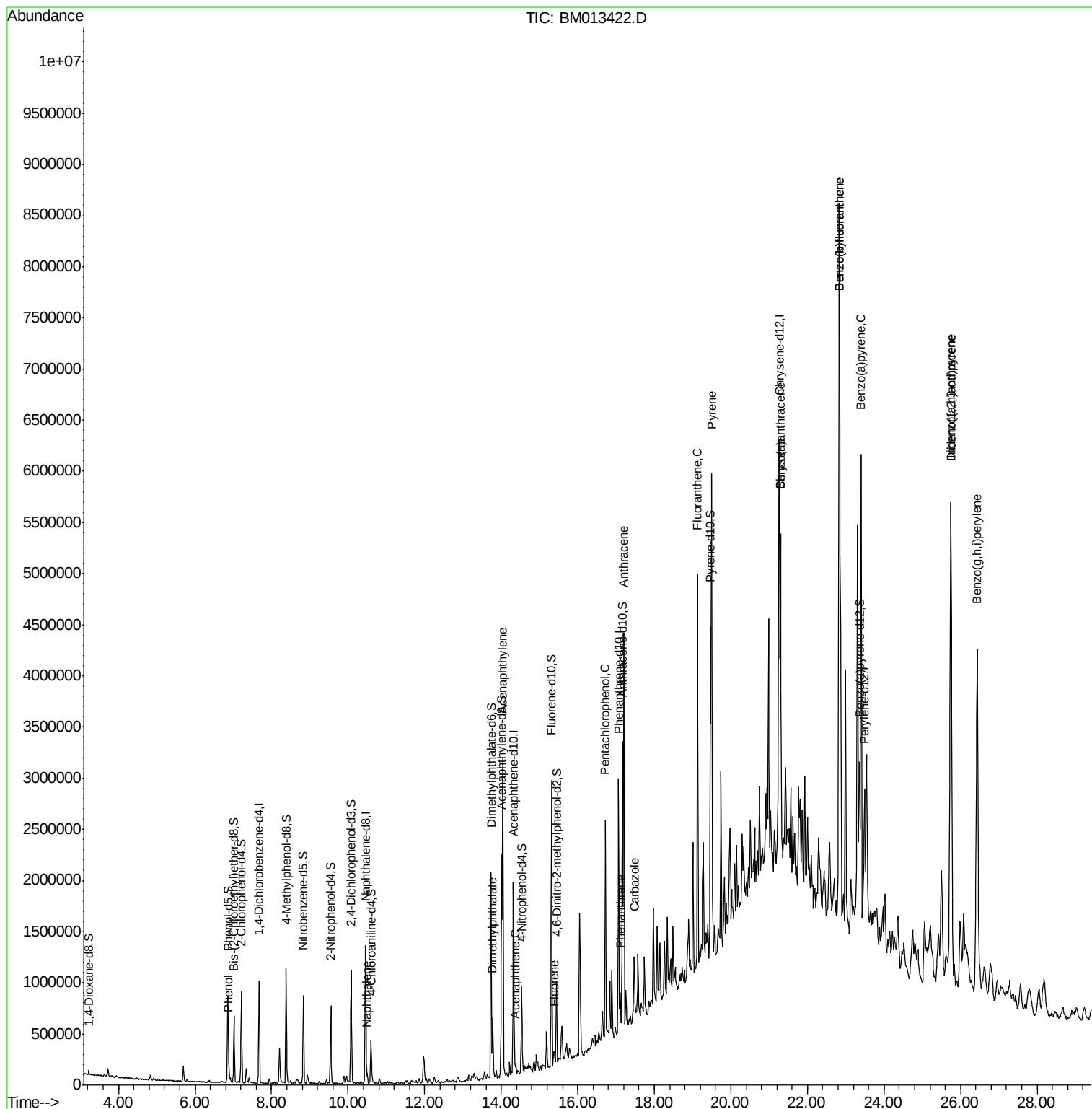
Quant Time: Dec 15 06:06:15 2017

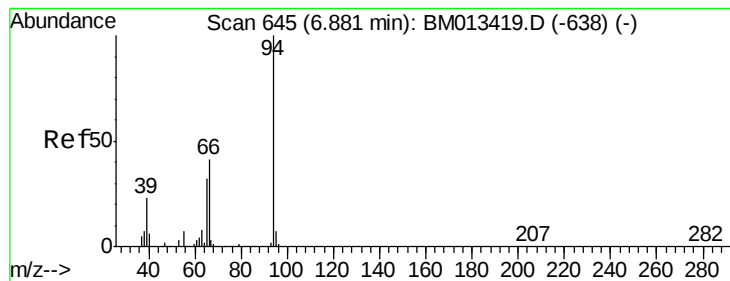
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M

Quant Title : SVOA CALIBRATION

QLast Update : Fri Dec 15 05:52:21 2017

Response via : Initial Calibration





#6

Phenol

Concen: 3.48 ng/ul

RT: 6.88 min Scan# 645

Delta R.T. 0.00 min

Lab File: BM013422.D

Acq: 15 Dec 2017 03:38

Instrument :

BNA_M

ClientSampleId :

F9B12

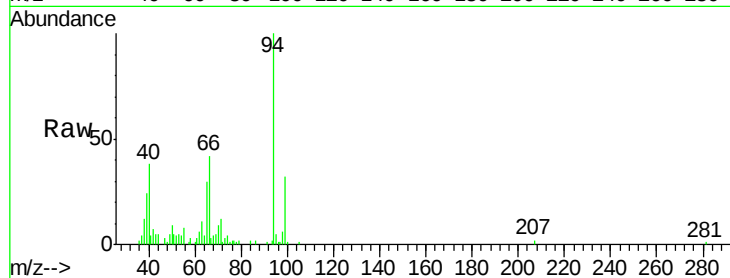
Tgt Ion: 94 Resp: 74543

Ion Ratio Lower Upper

94 100

65 30.1 28.2 42.4

66 42.5 47.2 70.8#

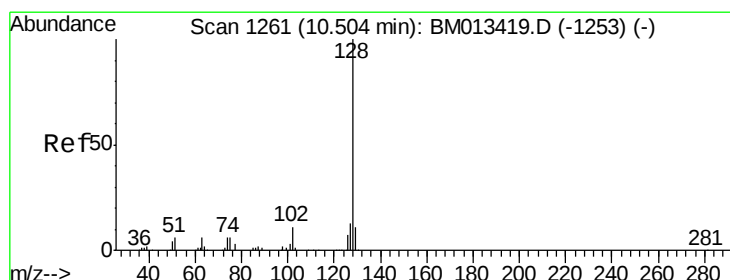
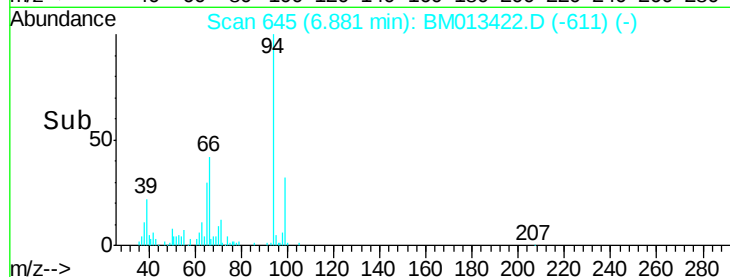


Abundance Ion 94.00 (93.70 to 94.70): BM013419.D (-638) (-)

Ion 65.00 (64.70 to 65.70): BM013419.D (-638) (-)

Ion 66.00 (65.70 to 66.70): BM013419.D (-638) (-)

Time-->



#28

Naphthalene

Concen: 1.13 ng/ul

RT: 10.50 min Scan# 1260

Delta R.T. -0.01 min

Lab File: BM013422.D

Acq: 15 Dec 2017 03:38

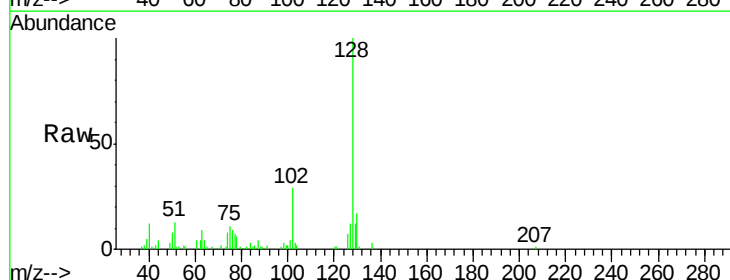
Tgt Ion: 128 Resp: 61212

Ion Ratio Lower Upper

128 100

129 11.9 8.8 13.2

127 11.7 10.6 16.0

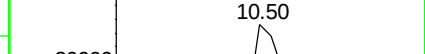
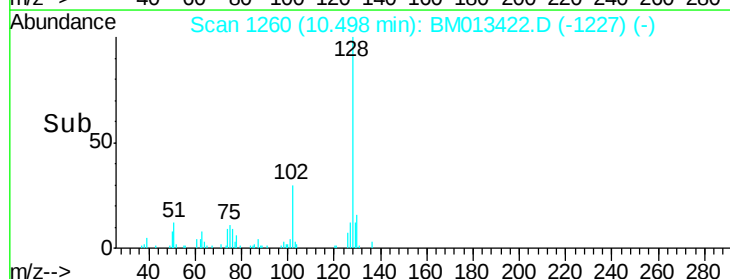


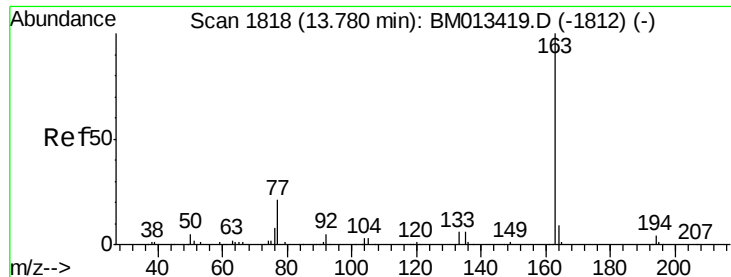
Abundance Ion 128.00 (127.70 to 128.70): BM013419.D (-1253) (-)

Ion 129.00 (128.70 to 129.70): BM013419.D (-1253) (-)

Ion 127.00 (126.70 to 127.70): BM013419.D (-1253) (-)

Time-->

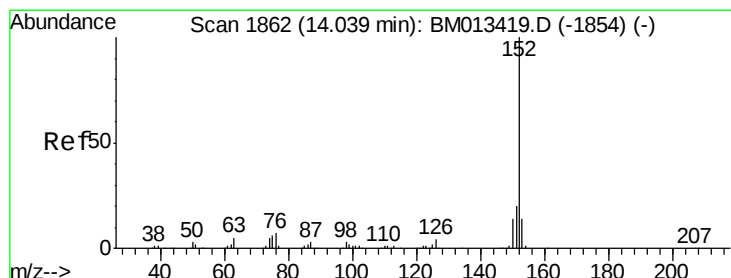
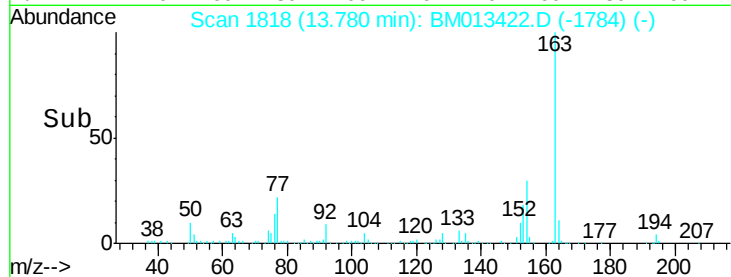
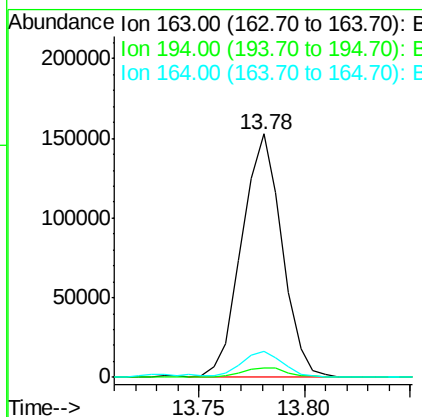
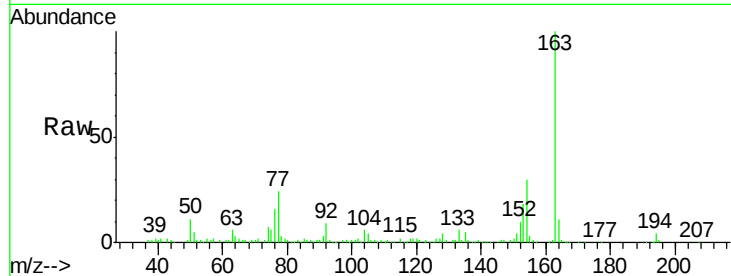




#44
Dimethylphthalate
Concen: 3.85 ng/ul
RT: 13.78 min Scan# 1818
Delta R.T. 0.00 min
Lab File: BM013422.D
Acq: 15 Dec 2017 03:38

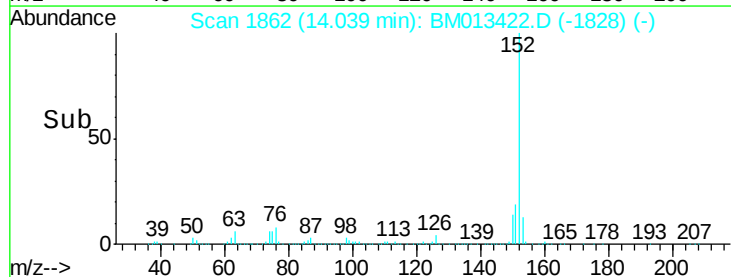
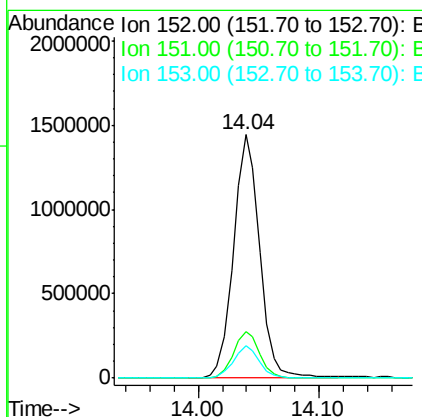
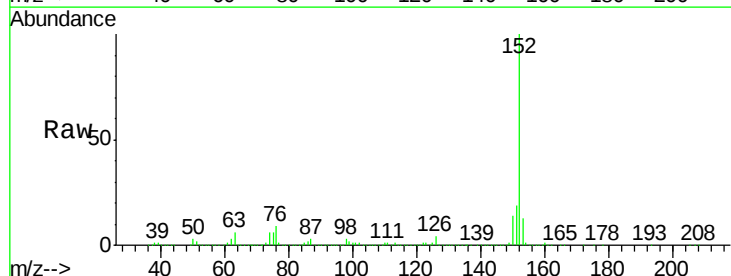
Instrument :
BNA_M
ClientSampleId :
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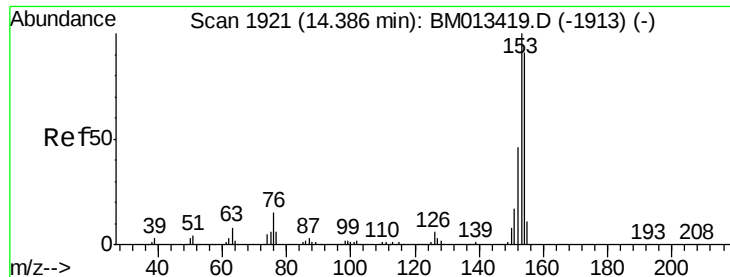
Tgt Ion:163 Resp: 200705
Ion Ratio Lower Upper
163 100
194 4.0 3.5 5.3
164 10.8 8.2 12.4



#47
Acenaphthylene
Concen: 34.94 ng/ul
RT: 14.04 min Scan# 1862
Delta R.T. 0.00 min
Lab File: BM013422.D
Acq: 15 Dec 2017 03:38

Tgt Ion:152 Resp: 2174643
Ion Ratio Lower Upper
152 100
151 19.1 16.3 24.5
153 13.2 10.2 15.4





#49

Acenaphthene

Concen: 1.14 ng/ul

RT: 14.38 min Scan# 1920

Delta R.T. -0.01 min

Lab File: BM013422.D

Acq: 15 Dec 2017 03:38

Instrument :

BNA_M

ClientSampleId :

F9B12

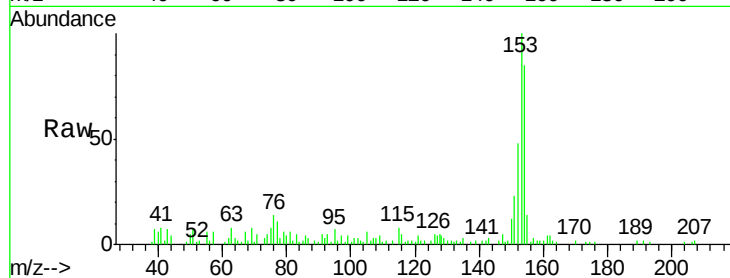
Tgt Ion:153 Resp: 48515

Ion Ratio Lower Upper

153 100

152 47.8 37.6 56.4

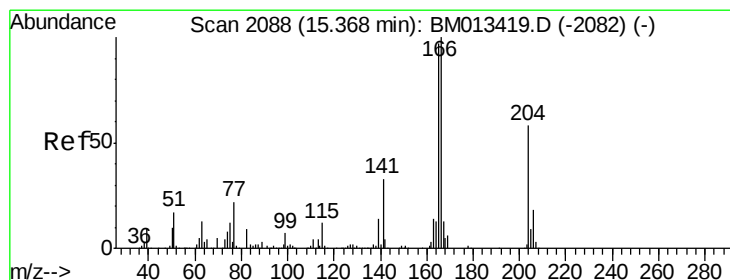
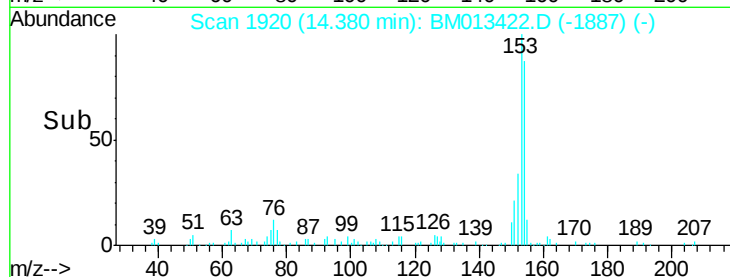
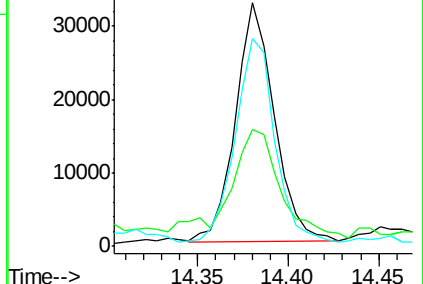
154 85.1 70.4 105.6



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



#58

Fluorene

Concen: 2.03 ng/ul

RT: 15.37 min Scan# 2089

Delta R.T. 0.01 min

Lab File: BM013422.D

Acq: 15 Dec 2017 03:38

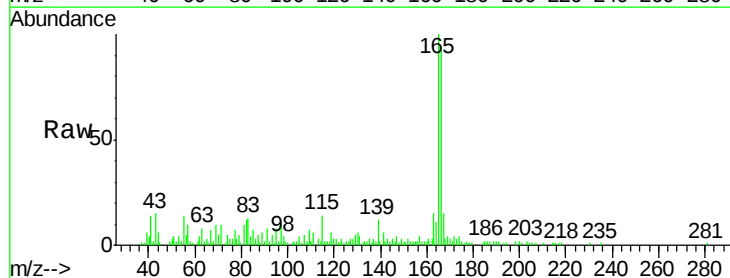
Tgt Ion:166 Resp: 105295

Ion Ratio Lower Upper

166 100

165 106.1 77.9 116.9

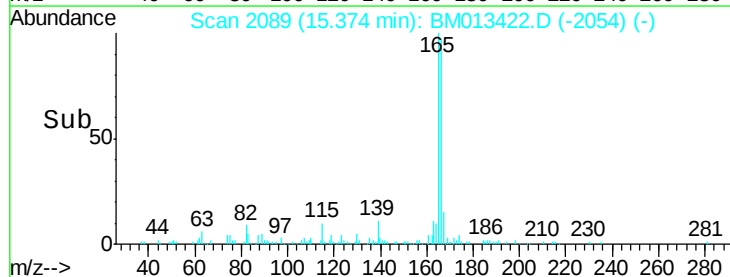
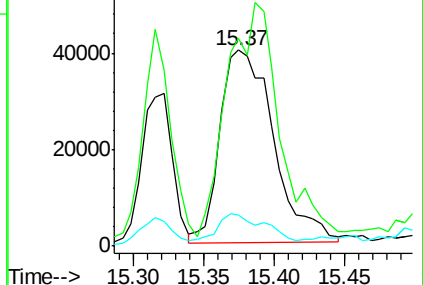
167 16.2 10.6 16.0#

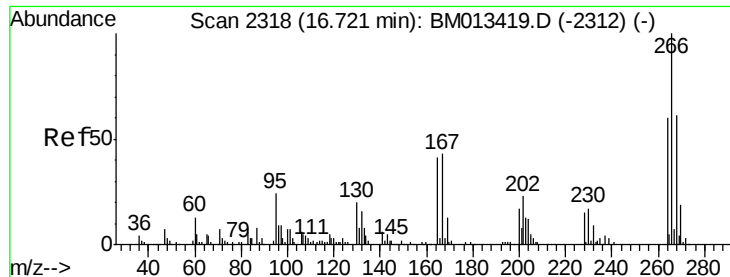


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

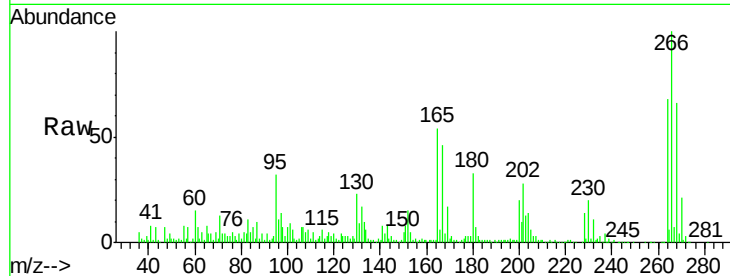




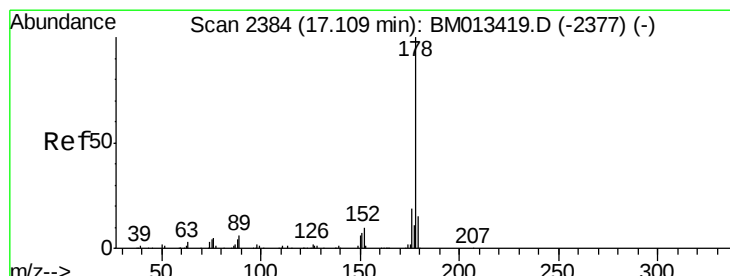
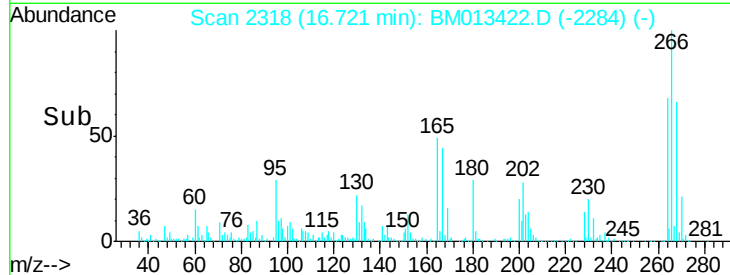
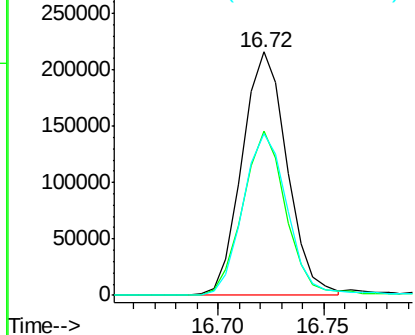
#68
 Pentachlorophenol
 Concen: 31.58 ng/ul
 RT: 16.72 min Scan# 2318
 Delta R.T. 0.00 min
 Lab File: BM013422.D
 Acq: 15 Dec 2017 03:38

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Tgt Ion:266 Resp: 319674
 Ion Ratio Lower Upper
 266 100
 264 67.5 49.3 73.9
 268 66.2 52.6 78.8

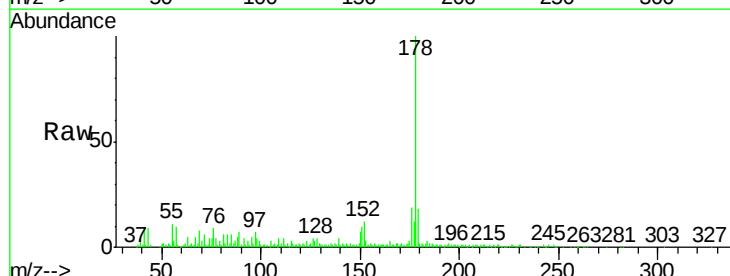


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

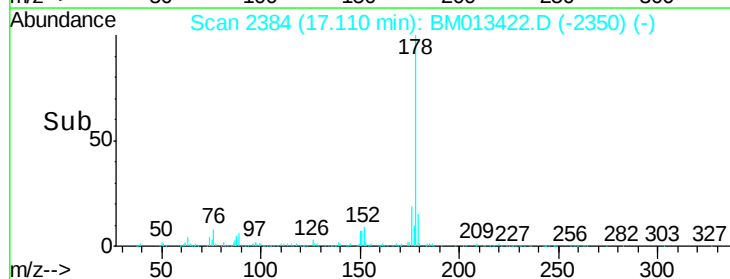
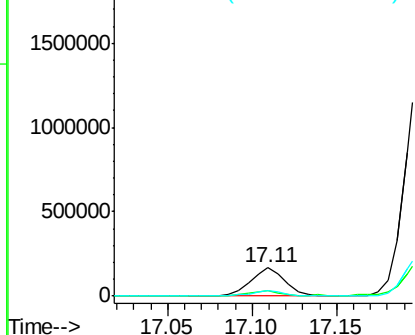


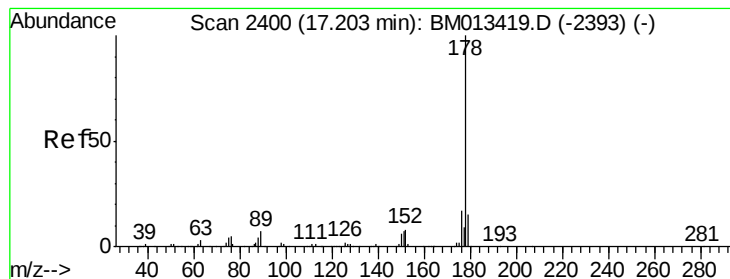
#69
 Phenanthrene
 Concen: 2.94 ng/ul
 RT: 17.11 min Scan# 2384
 Delta R.T. 0.00 min
 Lab File: BM013422.D
 Acq: 15 Dec 2017 03:38

Tgt Ion:178 Resp: 225388
 Ion Ratio Lower Upper
 178 100
 179 17.6 12.6 19.0
 176 19.1 14.9 22.3



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 29.53 ng/ul

RT: 17.20 min Scan# 2400

Delta R.T. 0.00 min

Lab File: BM013422.D

Acq: 15 Dec 2017 03:38

Instrument :

BNA_M

ClientSampleId :

F9B12

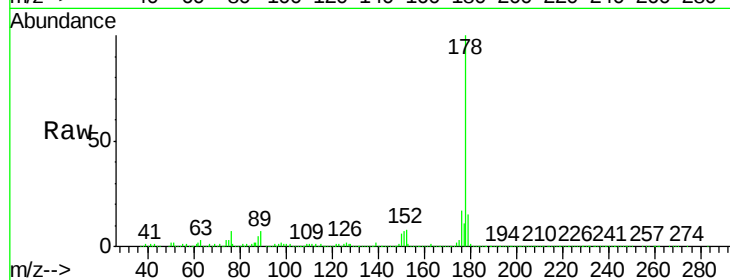
Tgt Ion:178 Resp: 2314901

Ion Ratio Lower Upper

178 100

179 15.1 11.7 17.5

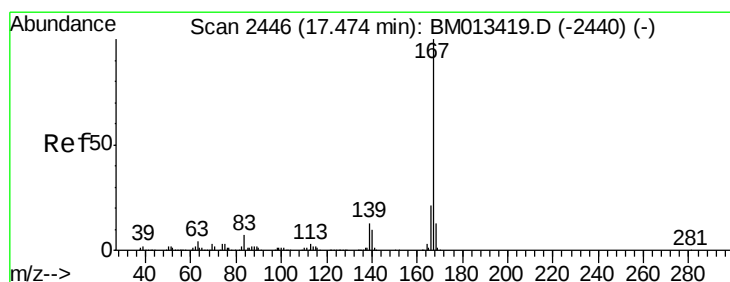
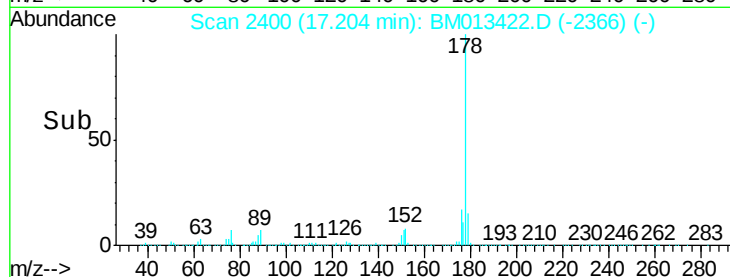
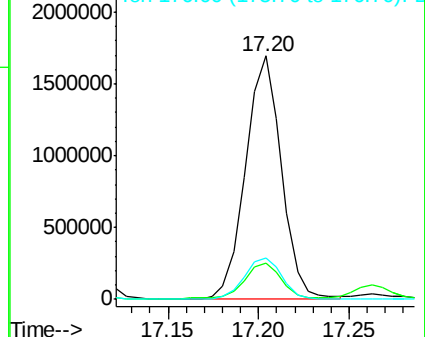
176 17.0 14.6 21.8



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: 4.97 ng/ul

RT: 17.47 min Scan# 2446

Delta R.T. 0.00 min

Lab File: BM013422.D

Acq: 15 Dec 2017 03:38

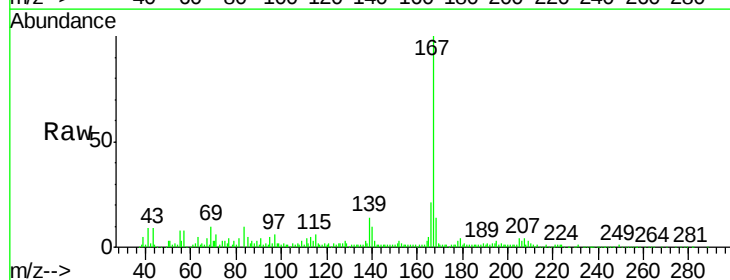
Tgt Ion:167 Resp: 335175

Ion Ratio Lower Upper

167 100

166 20.6 17.1 25.7

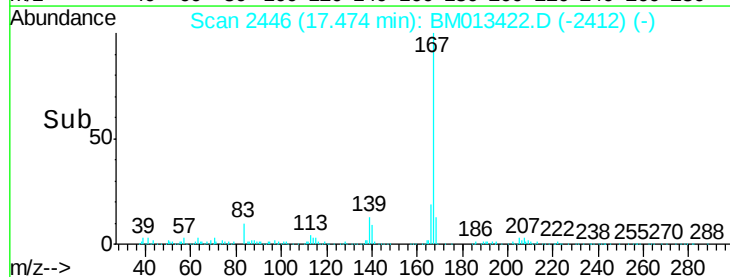
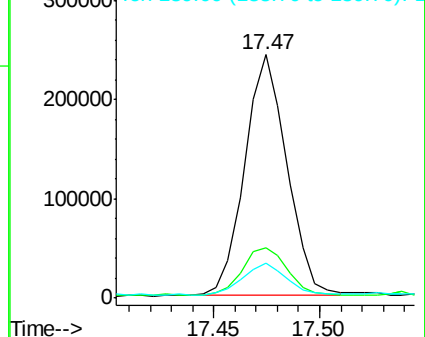
139 14.4 10.0 15.0

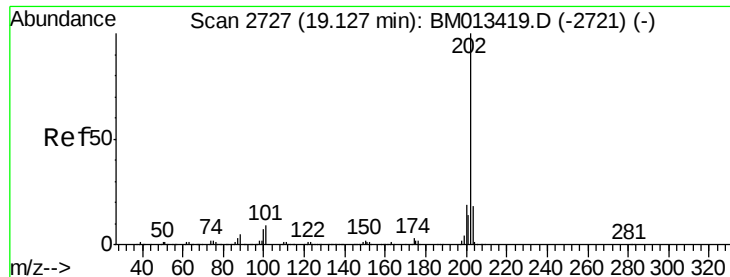


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 24.01 ng/ul

RT: 19.13 min Scan# 2728

Delta R.T. 0.01 min

Lab File: BM013422.D

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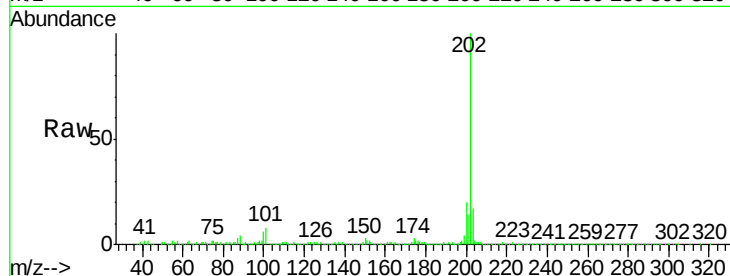
Tgt Ion:202 Resp: 2256788

Ion Ratio Lower Upper

202 100

101 8.0 4.6 7.0#

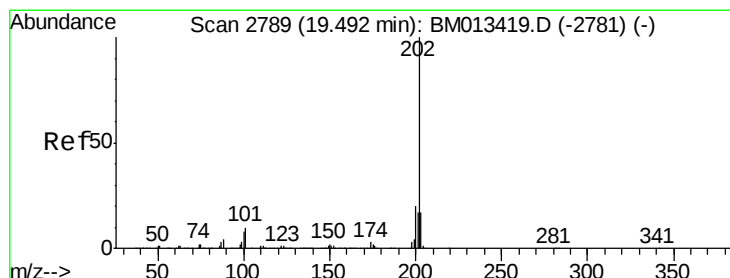
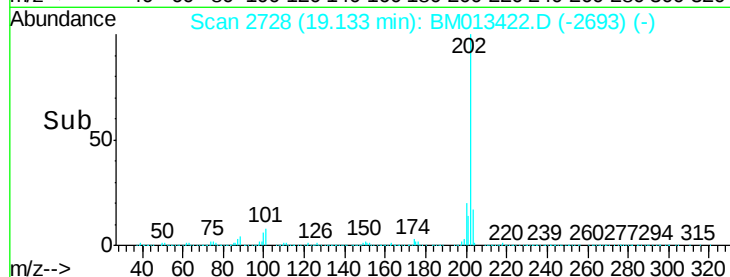
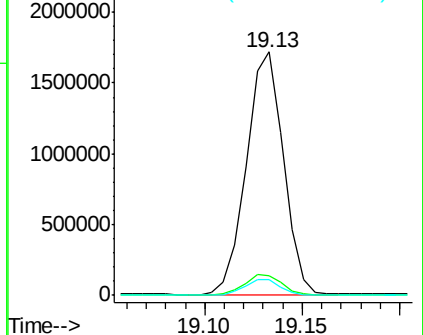
100 6.3 3.4 5.2#



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: 40.33 ng/ul

RT: 19.50 min Scan# 2790

Delta R.T. 0.01 min

Lab File: BM013422.D

Acq: 15 Dec 2017 03:38

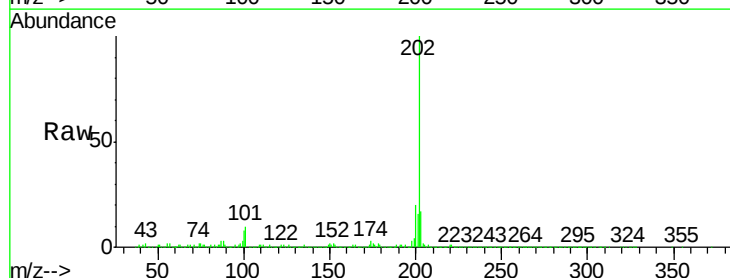
Tgt Ion:202 Resp: 2731961

Ion Ratio Lower Upper

202 100

101 9.6 5.1 7.7#

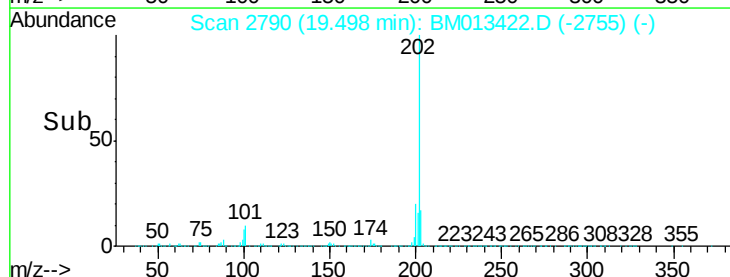
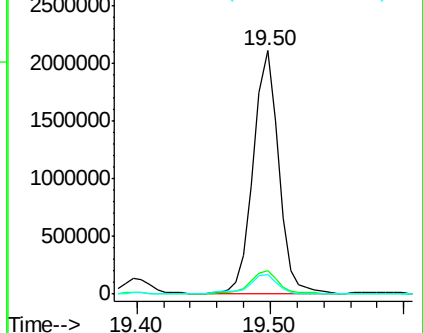
100 7.8 4.9 7.3#

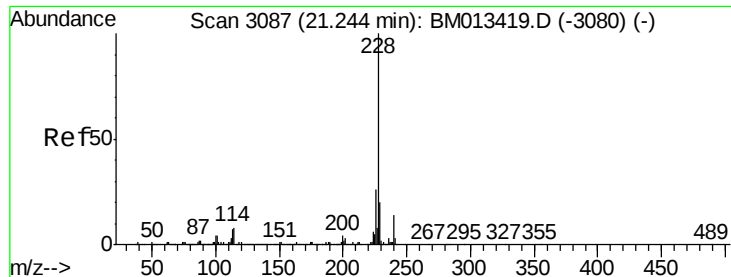


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 32.56 ng/ul

RT: 21.30 min Scan# 3096

Delta R.T. 0.05 min

Lab File: BM013422.D

Acq: 15 Dec 2017 03:38

Instrument :

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ClientSampleId :

F9B12

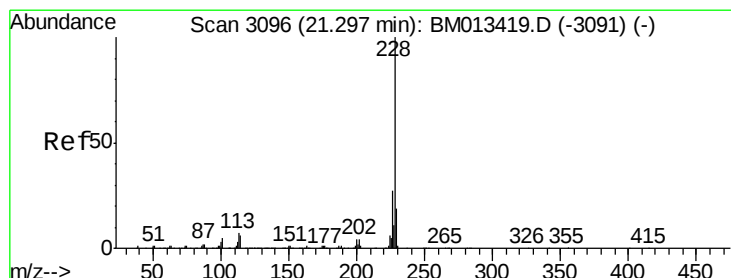
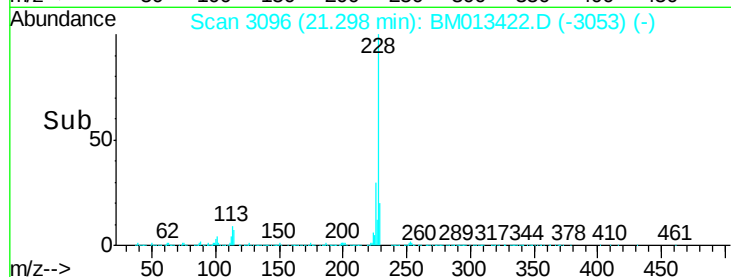
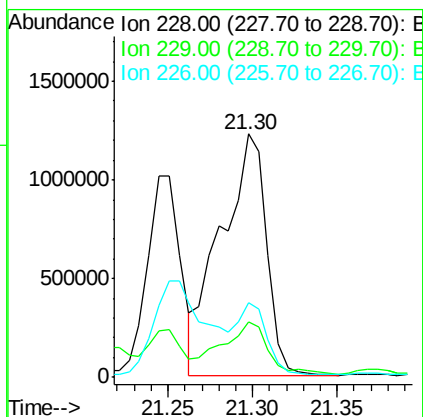
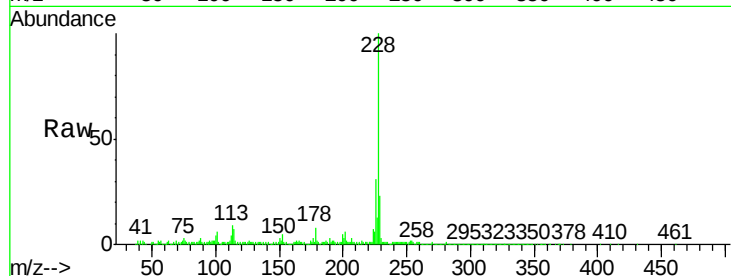
Tgt Ion:228 Resp: 2303495

Ion Ratio Lower Upper

228 100

229 22.7 15.4 23.0

226 30.7 21.4 32.0



#82

Chrysene

Concen: 35.10 ng/ul

RT: 21.30 min Scan# 3096

Delta R.T. 0.00 min

Lab File: BM013422.D

Acq: 15 Dec 2017 03:38

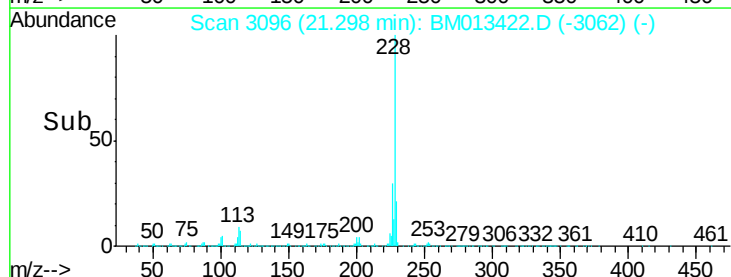
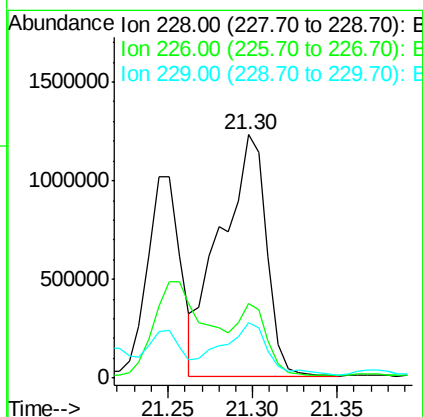
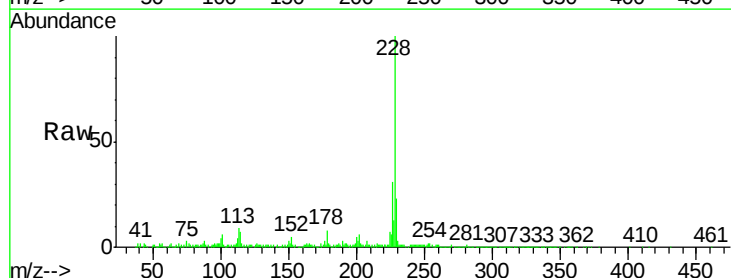
Tgt Ion:228 Resp: 2303495

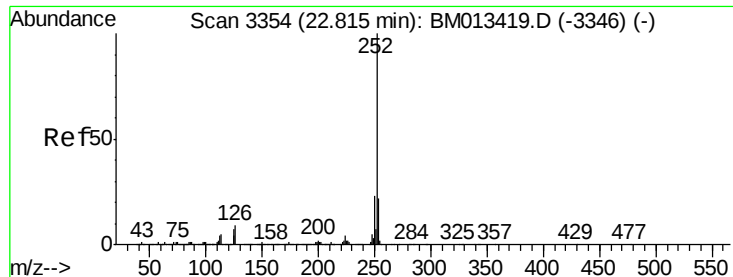
Ion Ratio Lower Upper

228 100

226 30.7 23.4 35.2

229 22.7 15.5 23.3





#85

Benzo(b)fluoranthene

Concen: 91.32 ng/ul

RT: 22.83 min Scan# 3357

Delta R.T. 0.02 min

Lab File: BM013422.D

Acq: 15 Dec 2017 03:38

Instrument :

BNA_M

ClientSampleId :

F9B12

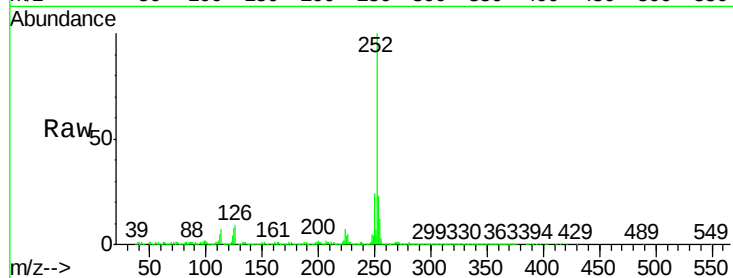
Tgt Ion:252 Resp: 6061015

Ion Ratio Lower Upper

252 100

253 23.2 17.9 26.9

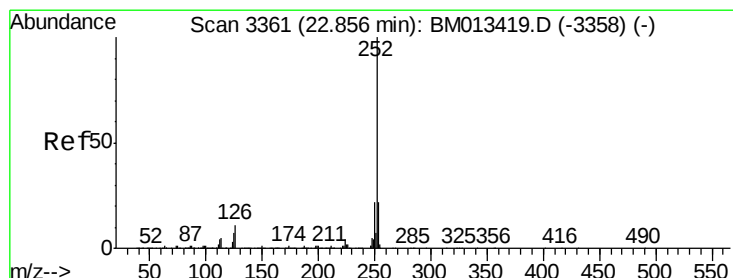
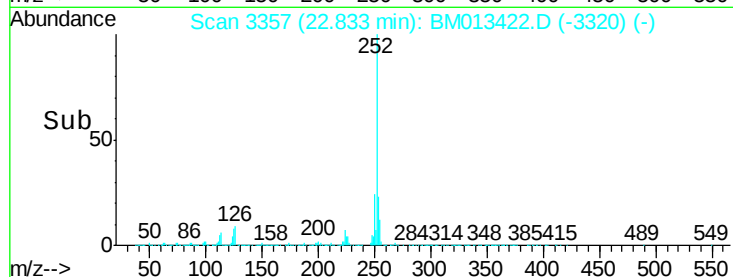
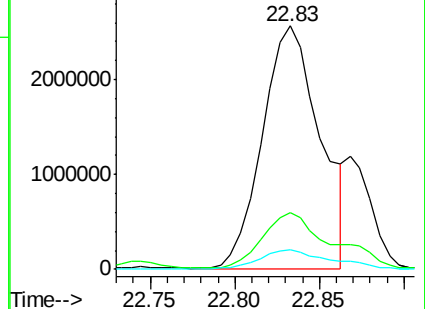
125 7.8 3.6 5.4#



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: 97.04 ng/ul

RT: 22.83 min Scan# 3357

Delta R.T. -0.02 min

Lab File: BM013422.D

Acq: 15 Dec 2017 03:38

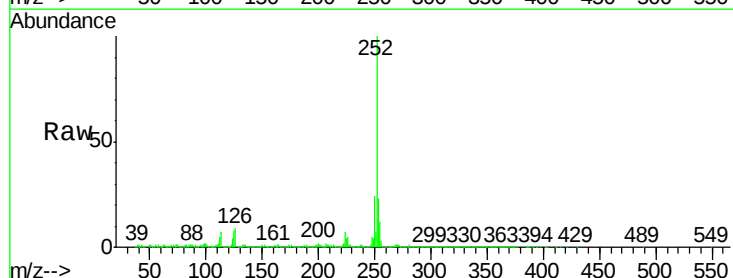
Tgt Ion:252 Resp: 6061015

Ion Ratio Lower Upper

252 100

253 23.2 17.1 25.7

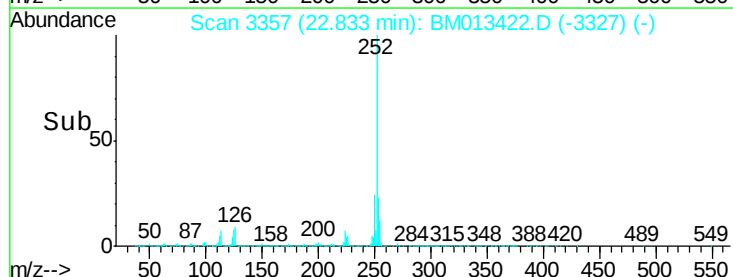
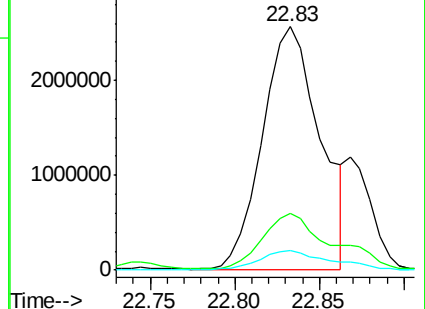
125 7.8 3.4 5.2#

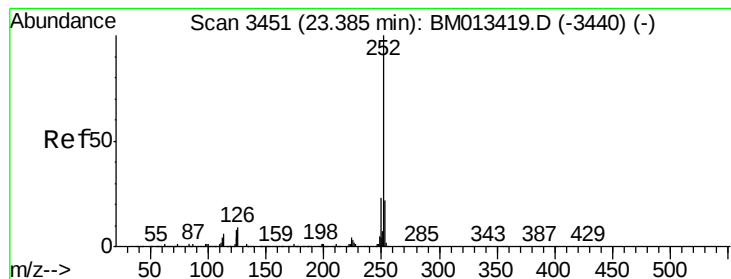


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 53.32 ng/ul

RT: 23.40 min Scan# 3453

Delta R.T. 0.01 min

Lab File: BM013422.D

Acq: 15 Dec 2017 03:38

Instrument :

BNA_M

ClientSampleId :

F9B12

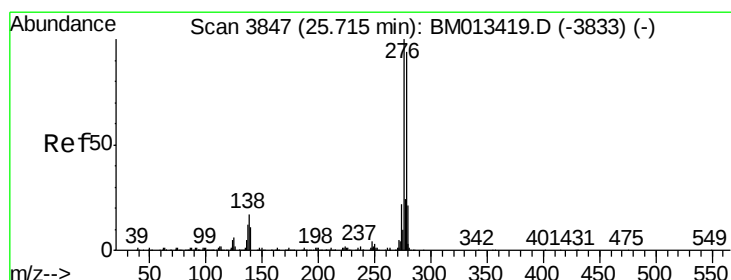
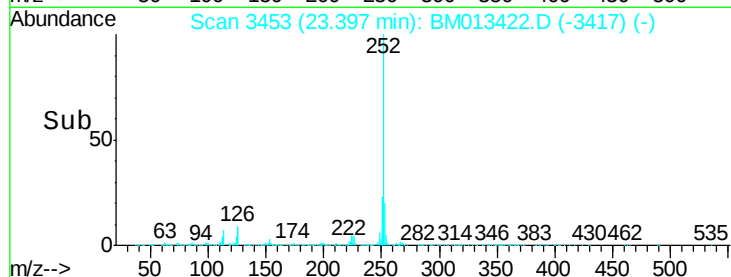
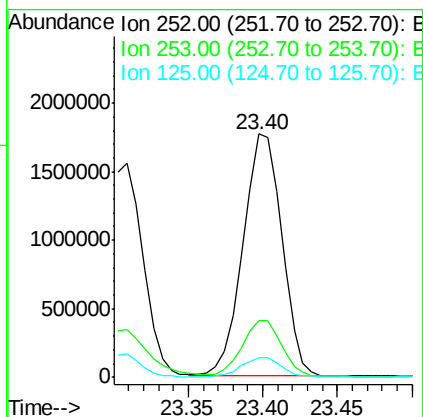
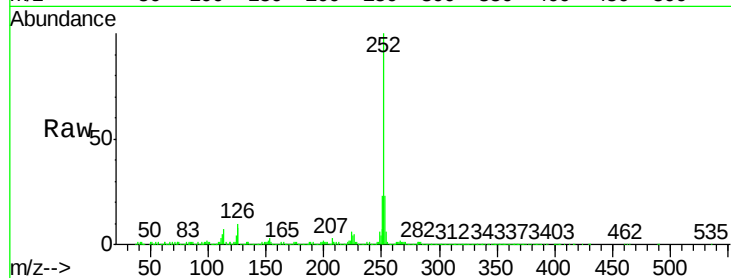
Tgt Ion:252 Resp: 3178951

Ion Ratio Lower Upper

252 100

253 23.5 18.2 27.2

125 8.3 4.0 6.0#



#89

Indeno(1,2,3-cd)pyrene

Concen: 74.37 ng/ul

RT: 25.74 min Scan# 3852

Delta R.T. 0.03 min

Lab File: BM013422.D

Acq: 15 Dec 2017 03:38

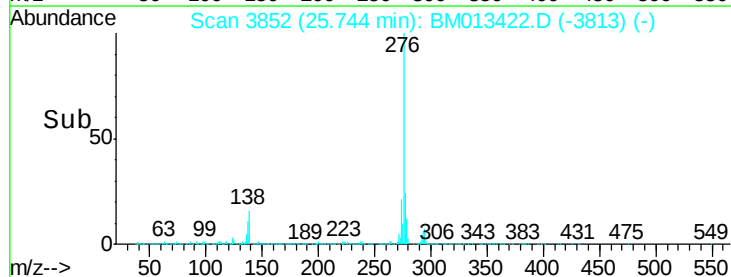
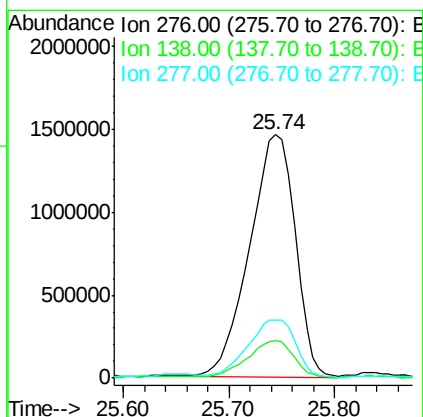
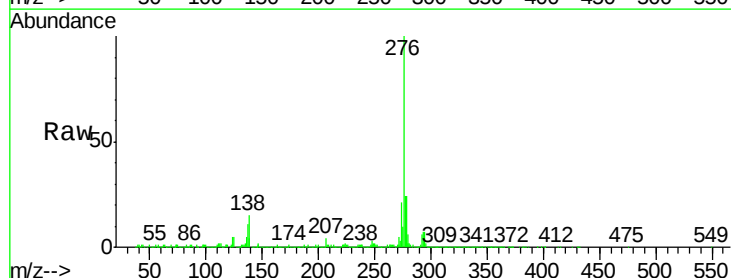
Tgt Ion:276 Resp: 4399653

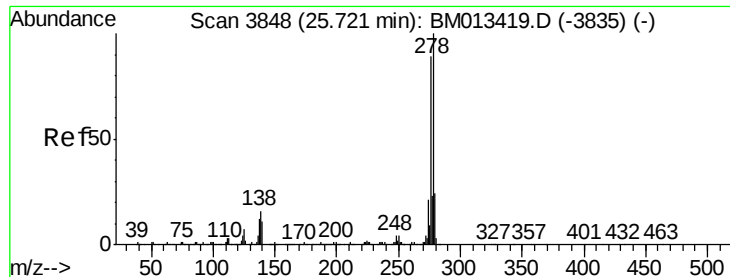
Ion Ratio Lower Upper

276 100

138 15.3 9.3 13.9#

277 24.1 19.9 29.9





#90

Dibenzo(a,h)anthracene

Concen: 22.57 ng/ul

RT: 25.74 min Scan# 3851

Delta R.T. 0.02 min

Lab File: BM013422.D

Acq: 15 Dec 2017 03:38

Instrument :

BNA_M

ClientSampleId :

F9B12

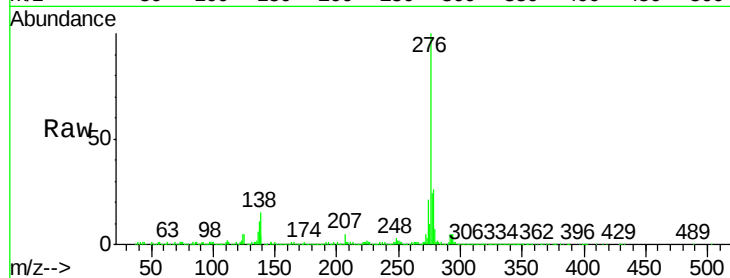
Tgt Ion:278 Resp: 1136897

Ion Ratio Lower Upper

278 100

139 15.7 5.8 8.8#

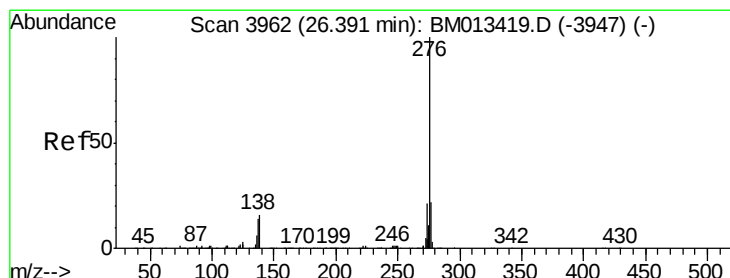
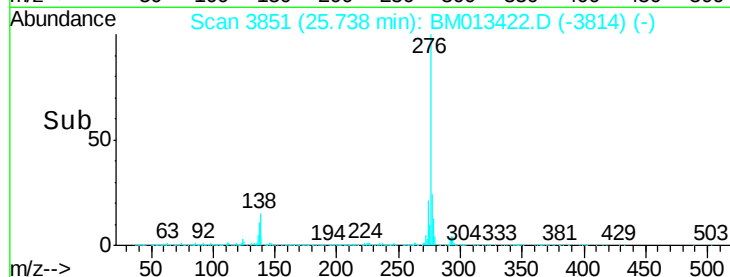
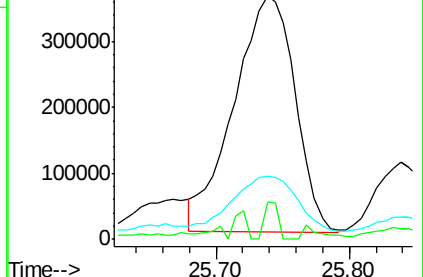
279 26.0 18.6 27.8



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: 93.92 ng/ul

RT: 26.44 min Scan# 3970

Delta R.T. 0.05 min

Lab File: BM013422.D

Acq: 15 Dec 2017 03:38

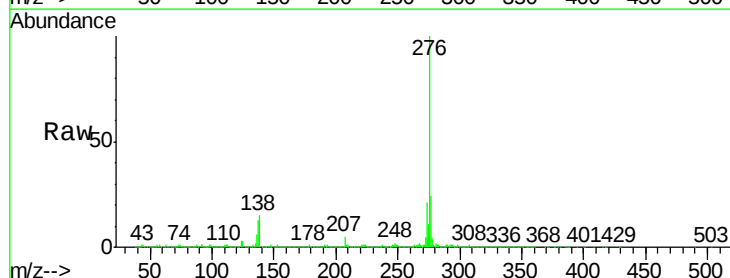
Tgt Ion:276 Resp: 4382408

Ion Ratio Lower Upper

276 100

138 15.2 8.5 12.7#

277 24.1 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

