

Data File : BM013943.D
Acq On : 29 Jan 2018 03:37
Operator : SJ/JU
Sample : J1233-08
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F6B12

Quant Time: Jan 29 06:10:35 2018
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jan 29 04:03:39 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.57	152	208414	20.00	ng/ul	0.00
18) Naphthalene-d8	10.35	136	879626	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	518387	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	1151472	20.00	ng/ul	0.00
75) Chrysene-d12	21.19	240	1085807	20.00	ng/ul	0.00
83) Perylene-d12	23.38	264	913908	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.14	96	10615	2.01	ng/uL	0.00
5) Phenol-d5	6.76	99	283187	17.70	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.92	67	157692	16.27	ng/ul	0.00
9) 2-Chlorophenol-d4	7.12	132	234070	17.95	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	198768	16.16	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	116705	17.10	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	133764	18.55	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	261762	18.79	ng/ul	0.00
29) 4-Chloroaniline-d4	10.59	131	2023	0.17	ng/ul	0.09
43) Dimethylphthalate-d6	13.65	166	832852	19.49	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	1068443	19.61	ng/ul	0.00
51) 4-Nitrophenol-d4	14.47	143	97122	13.99	ng/ul	0.00
57) Fluorene-d10	15.23	176	727975	19.38	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	108716	15.69	ng/ul	0.00
70) Anthracene-d10	17.09	188	1092029	19.47	ng/ul	0.00
76) Pyrene-d10	19.39	212	1222973	24.19	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.38	264	900800	21.44	ng/ul	0.15

Target Compounds

						Qvalue
6) Phenol	6.79	94	29800	1.86	ng/ul#	78
44) Dimethylphthalate	13.70	163	248474	5.92	ng/ul	99
47) Acenaphthylene	13.95	152	50722	1.02	ng/ul	97
55) 2,3,4,6-Tetrachlorophenol	14.87	232	14154	1.30	ng/ul#	79
68) Pentachlorophenol	16.64	266	526639	67.70	ng/ul	96
69) Phenanthrene	17.12	178	125779	1.97	ng/ul	96
71) Anthracene	17.12	178	125779	1.91	ng/ul#	94
74) Fluoranthene	19.05	202	1295655	16.96	ng/ul#	95
77) Pyrene	19.42	202	1384263	20.97	ng/ul#	96
80) Benzo(a)anthracene	21.17	228	198918	3.03	ng/ul#	91
82) Chrysene	21.20	228	224720	3.73	ng/ul	92
85) Benzo(b)fluoranthene	22.73	252	846254	15.08	ng/ul#	98
86) Benzo(k)fluoranthene	22.73	252	846254	15.60	ng/ul#	97
88) Benzo(a)pyrene	23.29	252	148584	2.80	ng/ul#	87
89) Indeno(1,2,3-cd)pyrene	25.56	276	117888	1.88	ng/ul	97
91) Benzo(g,h,i)perylene	26.23	276	206717	4.01	ng/ul#	97

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

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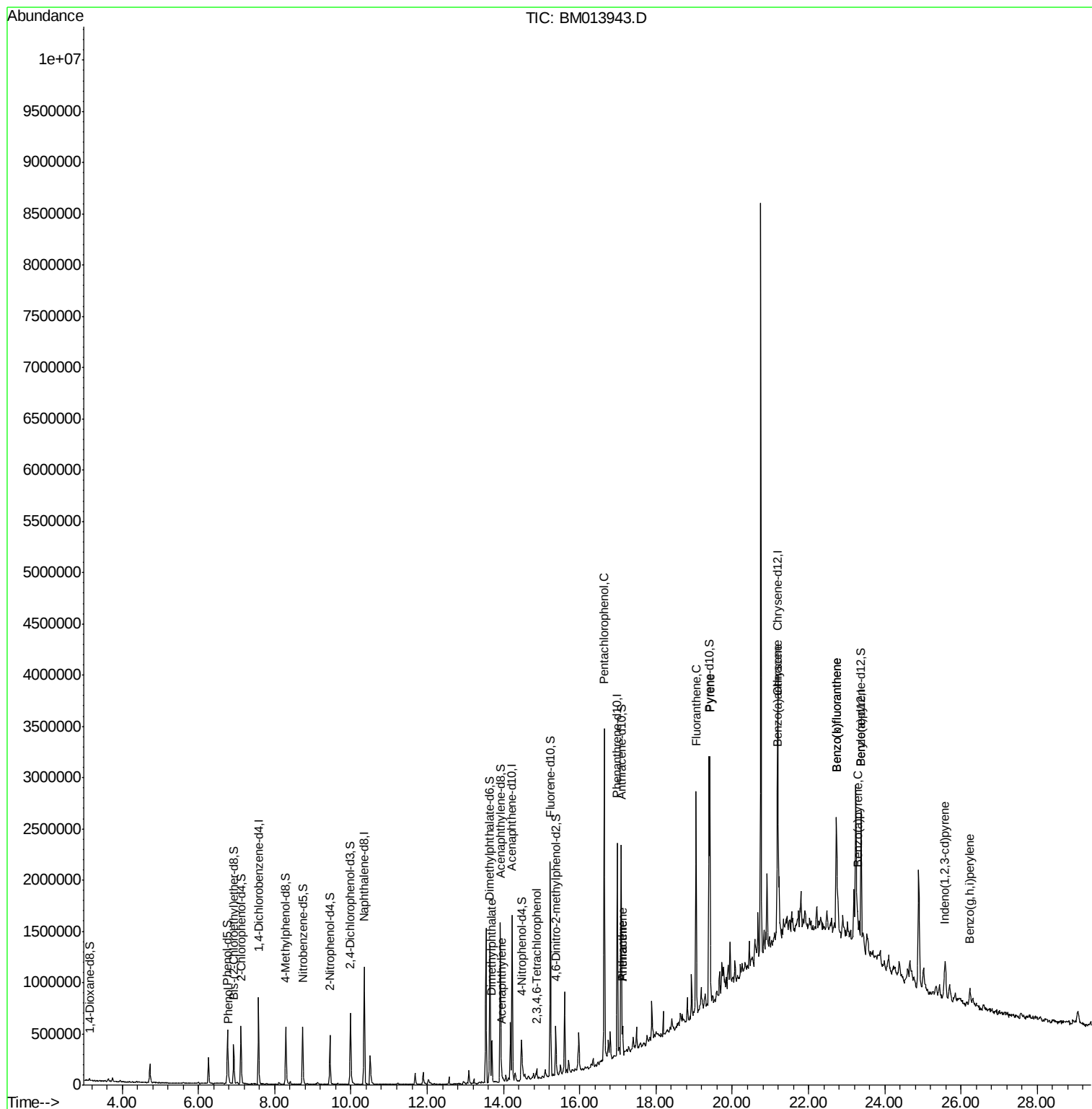
Quant Time: Jan 29 06:10:35 2018

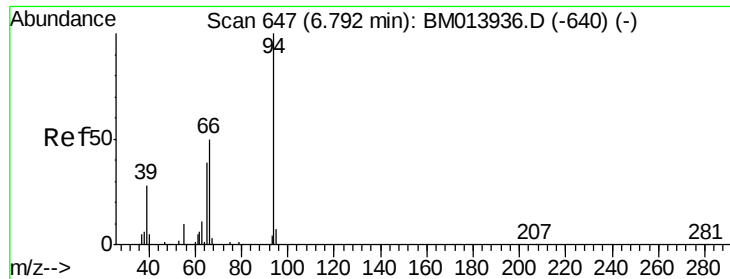
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM011018.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Jan 29 04:03:39 2018

Response via : Initial Calibration





#6

Phenol

Concen: 1.86 ng/ul

RT: 6.79 min Scan# 647

Delta R.T. 0.00 min

Lab File: BM013943.D

Acq: 29 Jan 2018 03:37

Instrument :

BNA_M

ClientSampleId :

F6B12

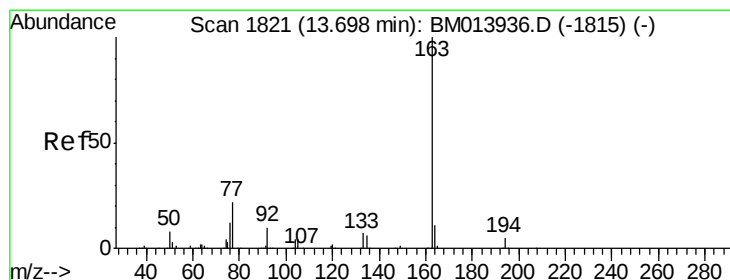
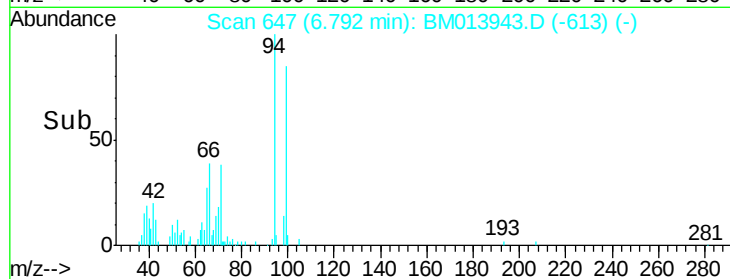
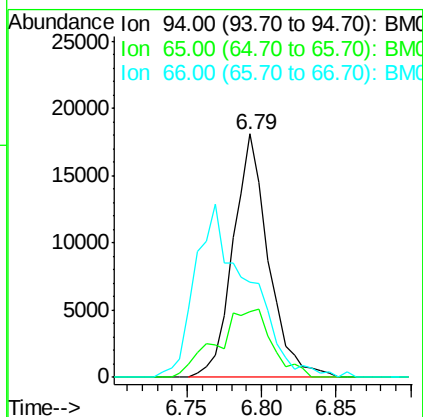
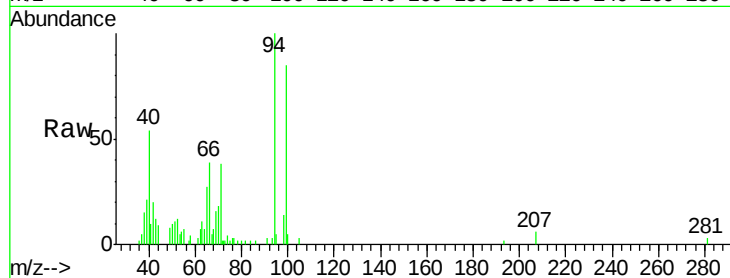
Tgt Ion: 94 Resp: 29800

Ion Ratio Lower Upper

94 100

65 27.2 28.2 42.4#

66 39.0 47.2 70.8#



#44

Dimethylphthalate

Concen: 5.92 ng/ul

RT: 13.70 min Scan# 1821

Delta R.T. 0.00 min

Lab File: BM013943.D

Acq: 29 Jan 2018 03:37

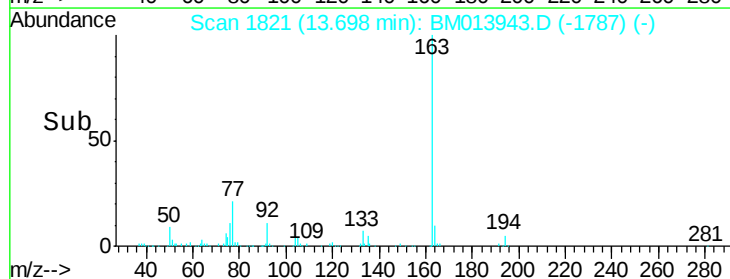
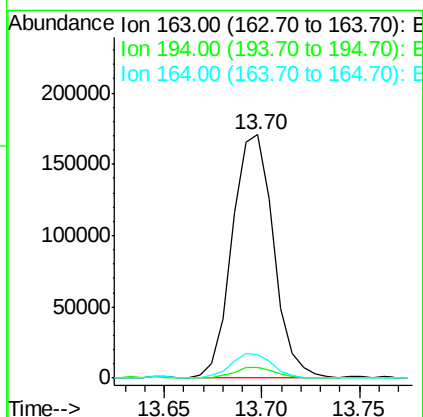
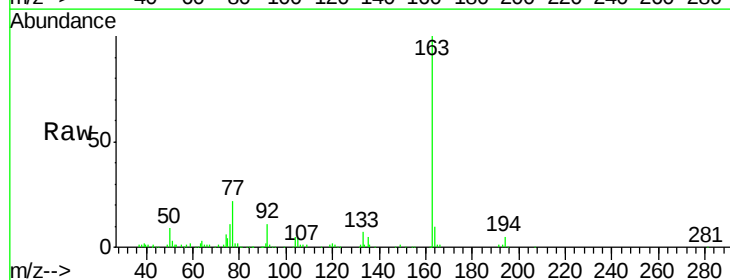
Tgt Ion: 163 Resp: 248474

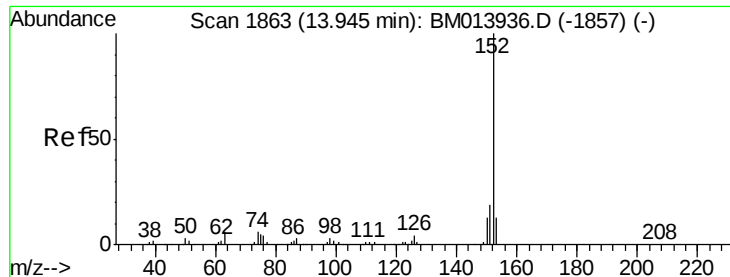
Ion Ratio Lower Upper

163 100

194 4.6 3.5 5.3

164 9.7 8.2 12.4





#47

Acenaphthylene

Concen: 1.02 ng/ul

RT: 13.95 min Scan# 1864

Delta R.T. 0.01 min

Lab File: BM013943.D

Acq: 29 Jan 2018 03:37

Instrument :

BNA_M

ClientSampleId :

F6B12

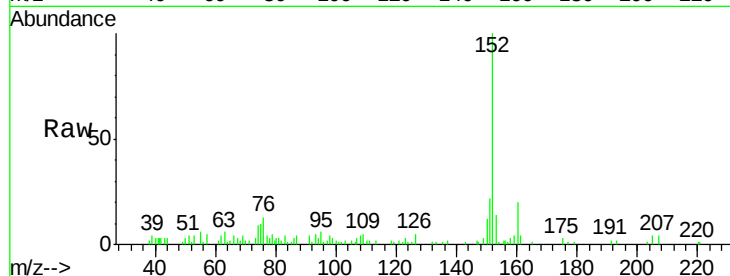
Tgt Ion:152 Resp: 50722

Ion Ratio Lower Upper

152 100

151 21.6 16.3 24.5

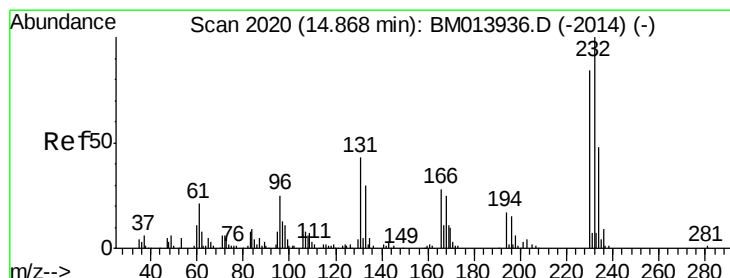
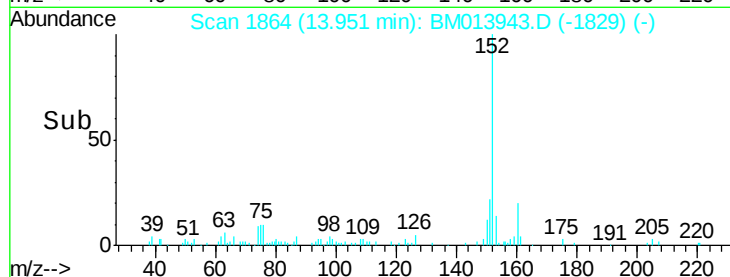
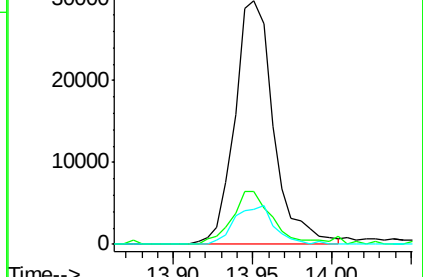
153 14.4 10.2 15.4



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



#55

2,3,4,6-Tetrachlorophenol

Concen: 1.30 ng/ul

RT: 14.87 min Scan# 2021

Delta R.T. 0.01 min

Lab File: BM013943.D

Acq: 29 Jan 2018 03:37

Tgt Ion:232 Resp: 14154

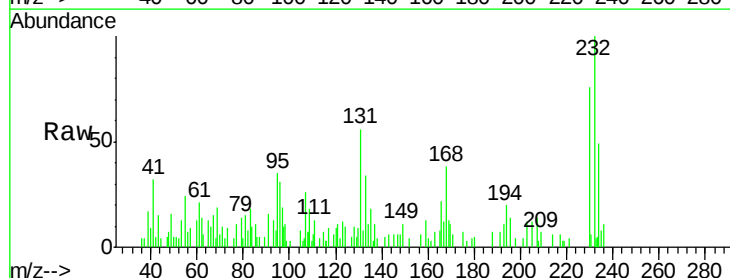
Ion Ratio Lower Upper

232 100

131 53.2 29.0 43.4#

130 8.7 2.0 3.0#

166 21.0 21.4 32.2#

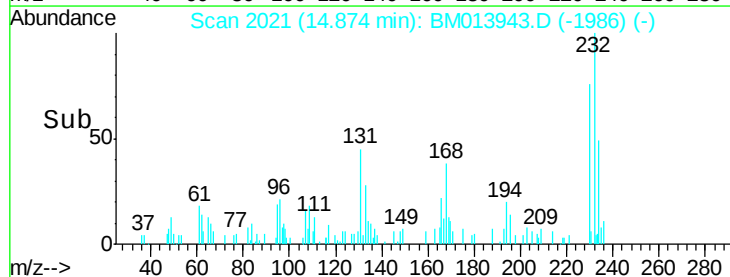
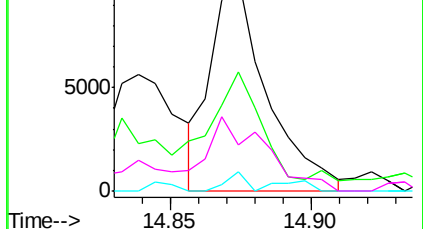


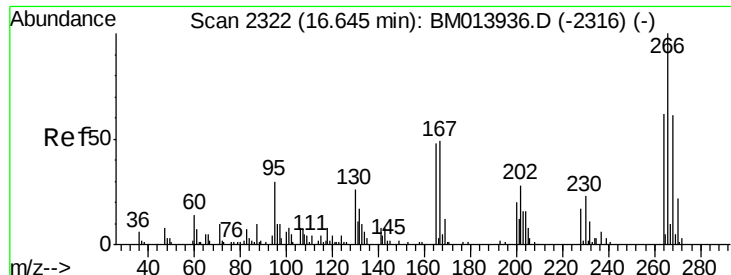
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

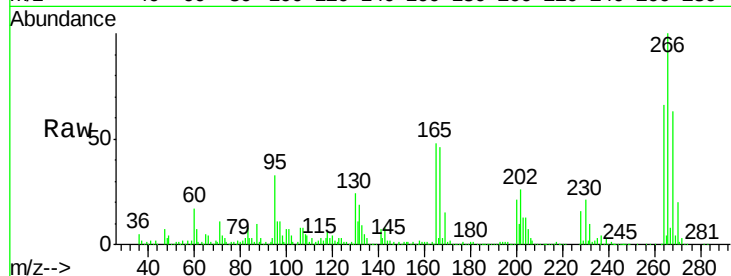




#68
 Pentachlorophenol
 Concen: 67.70 ng/ul
 RT: 16.64 min Scan# 2321
 Delta R.T. -0.01 min
 Lab File: BM013943.D
 Acq: 29 Jan 2018 03:37

Instrument :
 BNA_M
 ClientSampleId :
 F6B12

Tgt Ion	Ratio	Lower	Upper
266	100		
264	65.7	49.3	73.9
268	63.4	52.6	78.8

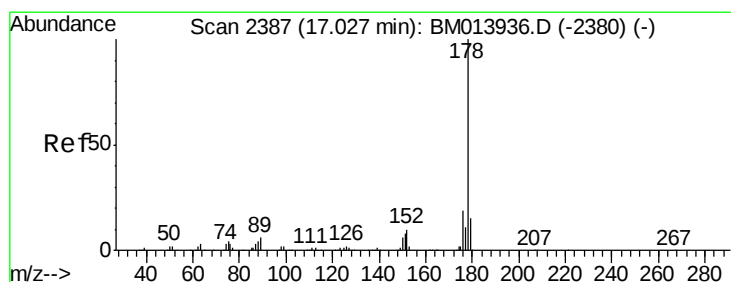
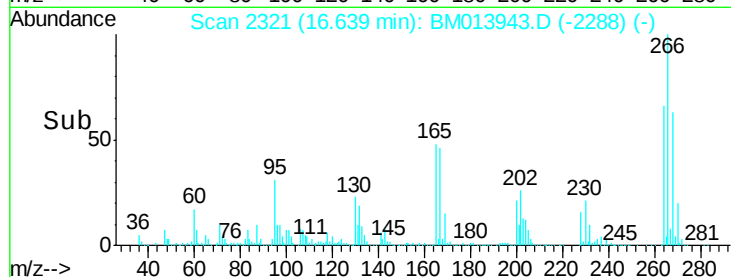
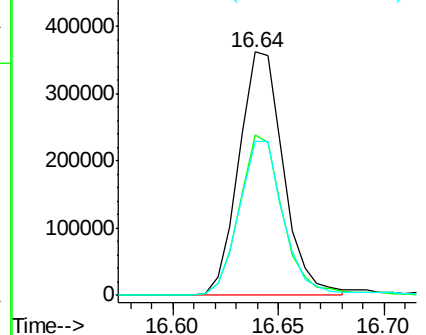


Abundance

Ion 265.70 (265.40 to 266.40): E

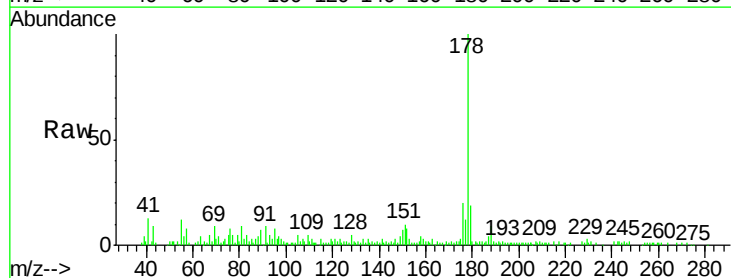
Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E



#69
 Phenanthrene
 Concen: 1.97 ng/ul
 RT: 17.12 min Scan# 2402
 Delta R.T. 0.09 min
 Lab File: BM013943.D
 Acq: 29 Jan 2018 03:37

Tgt Ion	Ratio	Lower	Upper
178	100		
179	18.8	12.6	19.0
176	19.5	14.9	22.3

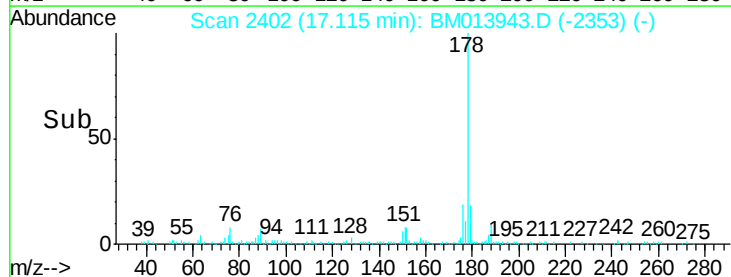
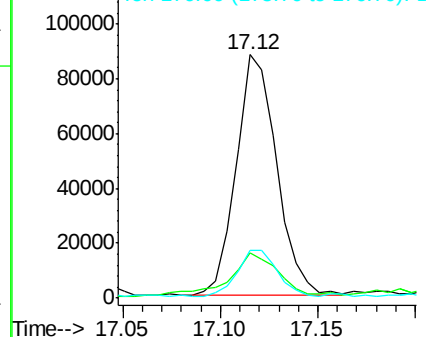


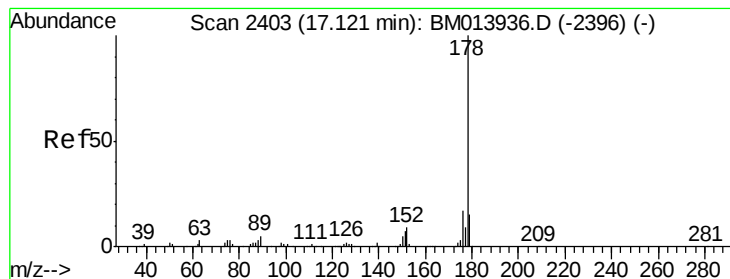
Abundance

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: 1.91 ng/ul

RT: 17.12 min Scan# 2402

Delta R.T. -0.01 min

Lab File: BM013943.D

Acq: 29 Jan 2018 03:37

Instrument :

BNA_M

ClientSampleId :

F6B12

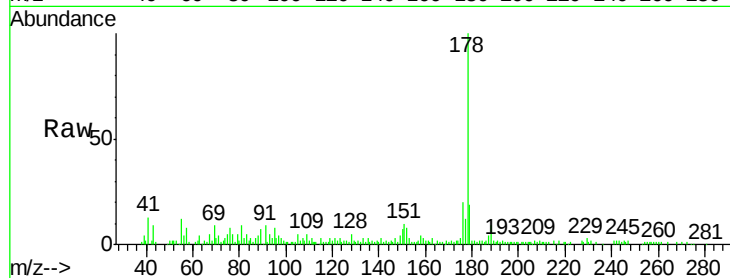
Tgt Ion:178 Resp: 125779

Ion Ratio Lower Upper

178 100

179 18.8 11.7 17.5#

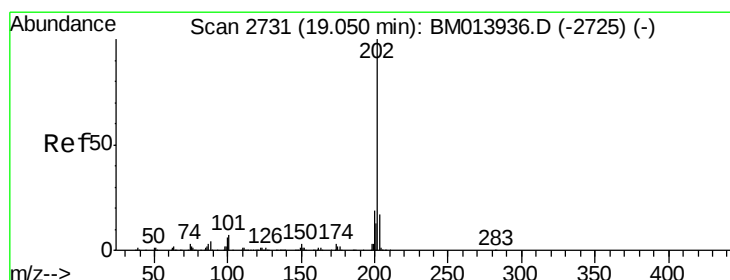
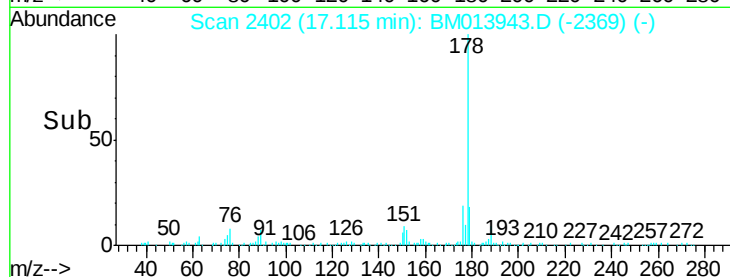
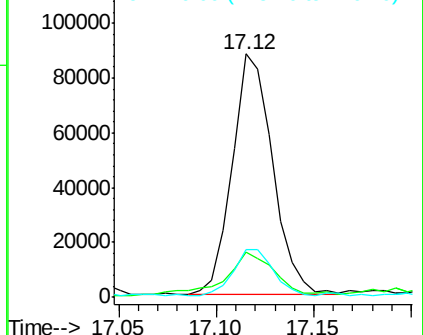
176 19.5 14.6 21.8



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



#74

Fluoranthene

Concen: 16.96 ng/ul

RT: 19.05 min Scan# 2731

Delta R.T. -0.00 min

Lab File: BM013943.D

Acq: 29 Jan 2018 03:37

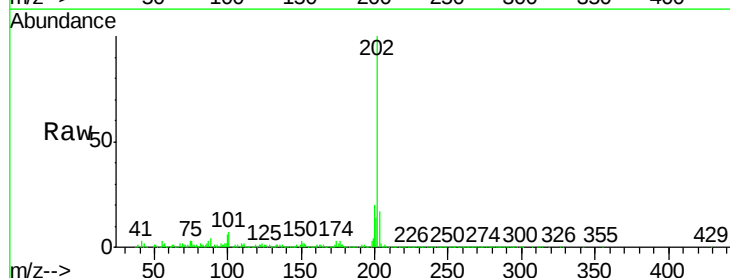
Tgt Ion:202 Resp: 1295655

Ion Ratio Lower Upper

202 100

101 7.0 4.6 7.0

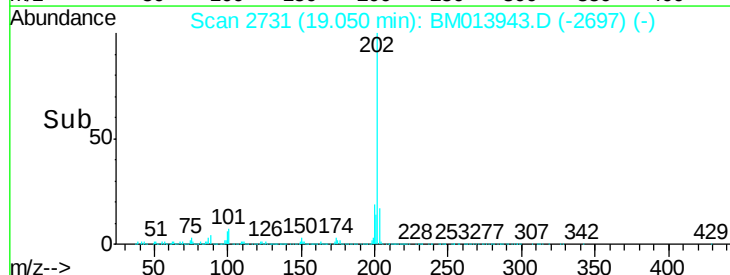
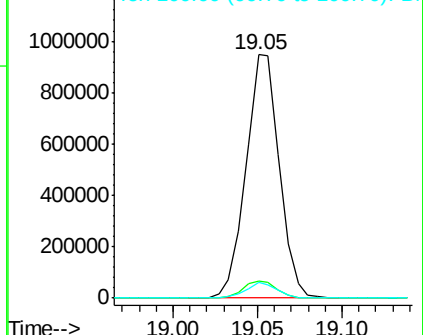
100 6.3 3.4 5.2#

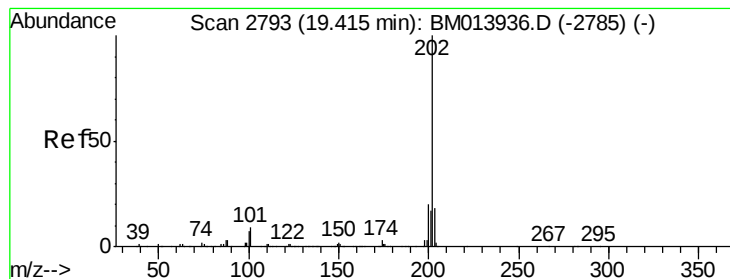


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pyrene

Concen: 20.97 ng/ul

RT: 19.42 min Scan# 2794

Delta R.T. 0.01 min

Lab File: BM013943.D

Acq: 29 Jan 2018 03:37

Instrument :

BNA_M

ClientSampleId :

F6B12

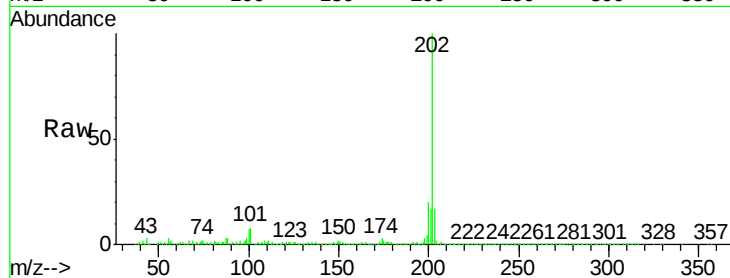
Tgt Ion:202 Resp: 1384263

Ion Ratio Lower Upper

202 100

101 8.3 5.1 7.7#

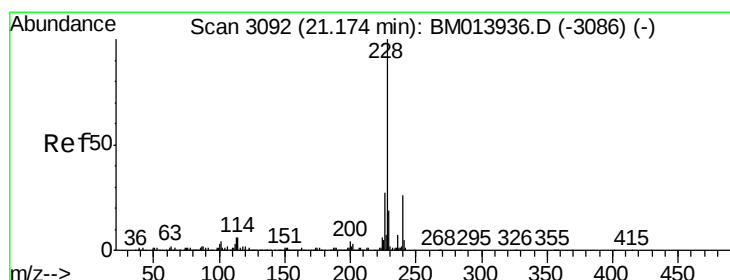
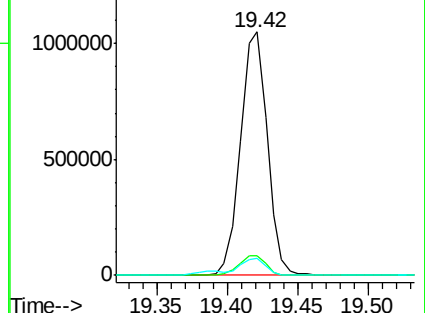
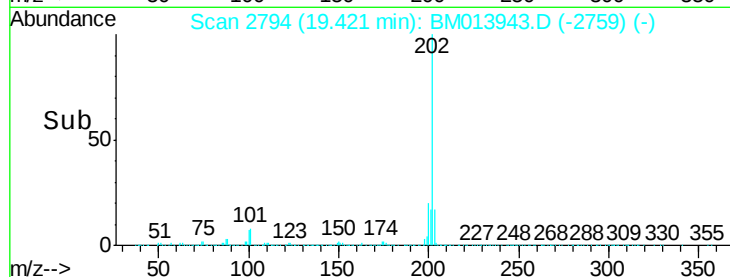
100 6.8 4.9 7.3



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: 3.03 ng/ul

RT: 21.17 min Scan# 3092

Delta R.T. 0.00 min

Lab File: BM013943.D

Acq: 29 Jan 2018 03:37

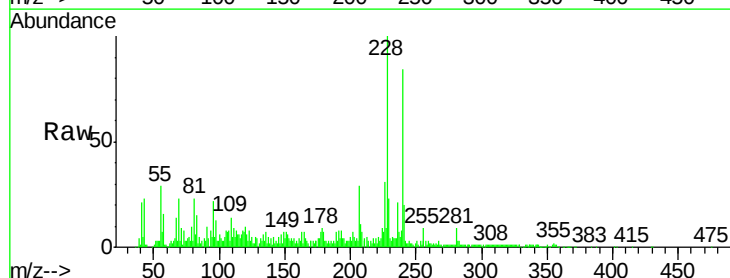
Tgt Ion:228 Resp: 198918

Ion Ratio Lower Upper

228 100

229 23.4 15.4 23.0#

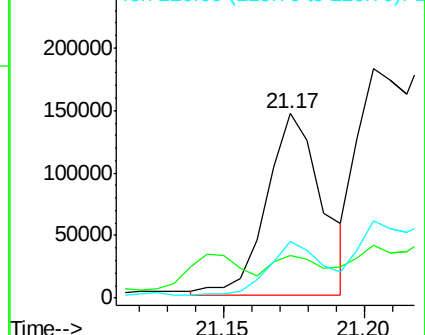
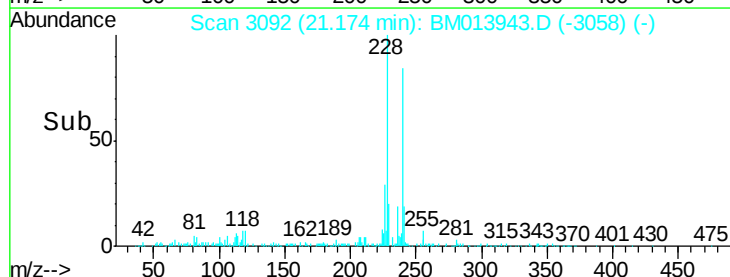
226 30.9 21.4 32.0

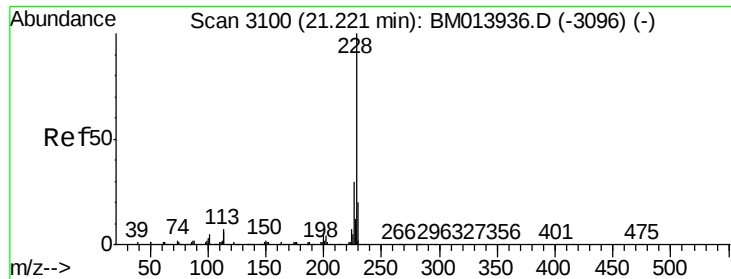


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 3.73 ng/ul

RT: 21.20 min Scan# 3097

Delta R.T. -0.02 min

Lab File: BM013943.D

Acq: 29 Jan 2018 03:37

Instrument :

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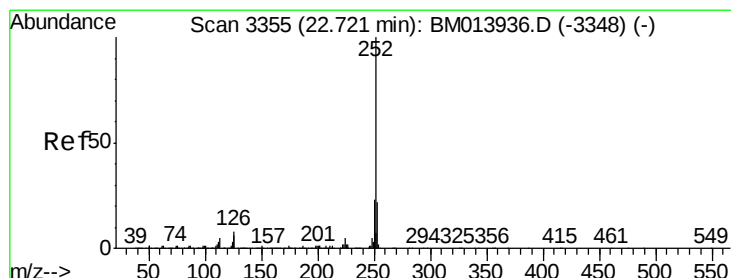
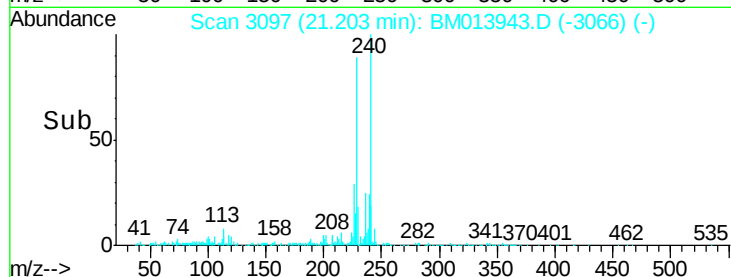
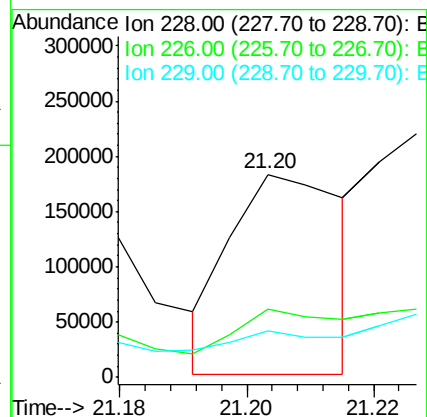
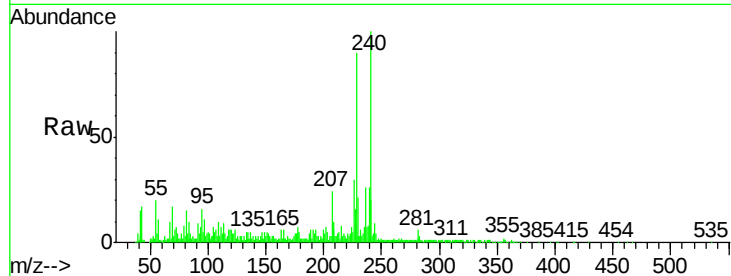
Tgt Ion: 228 Resp: 224720

Ion Ratio Lower Upper

228 100

226 33.4 23.4 35.2

229 23.0 15.5 23.3



#85

Benzo(b)fluoranthene

Concen: 15.08 ng/ul

RT: 22.73 min Scan# 3357

Delta R.T. 0.01 min

Lab File: BM013943.D

Acq: 29 Jan 2018 03:37

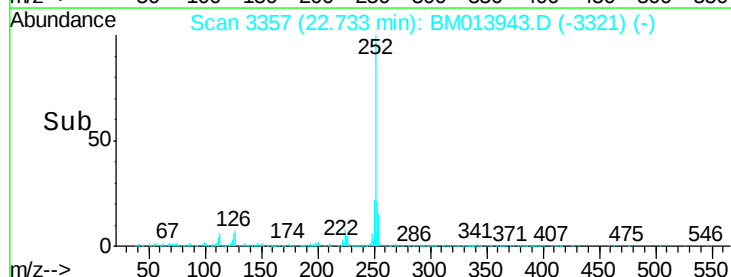
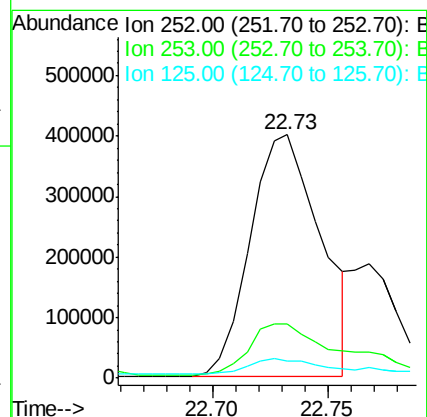
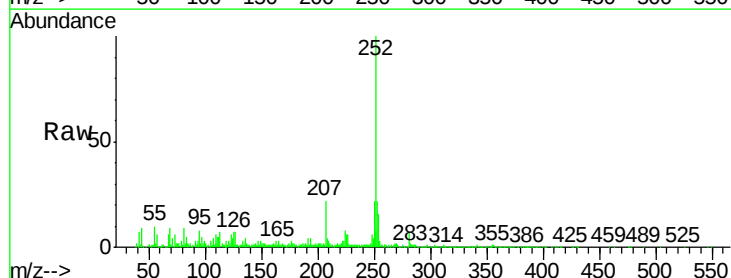
Tgt Ion: 252 Resp: 846254

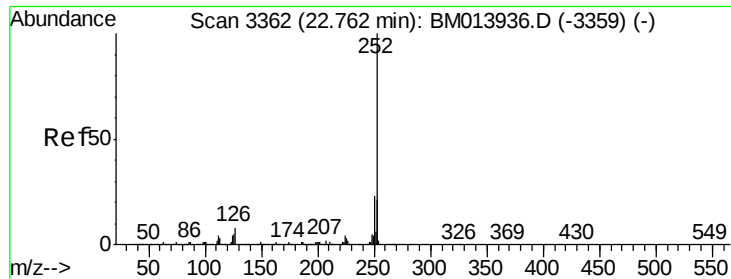
Ion Ratio Lower Upper

252 100

253 22.2 17.9 26.9

125 7.2 3.6 5.4#

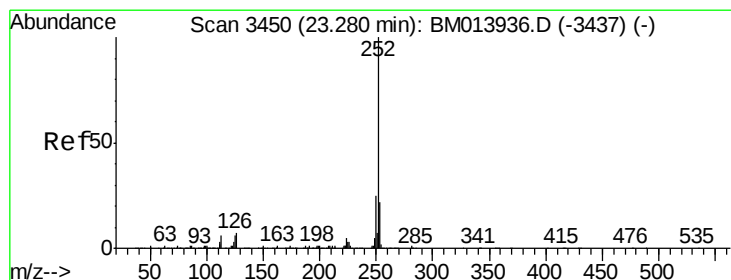
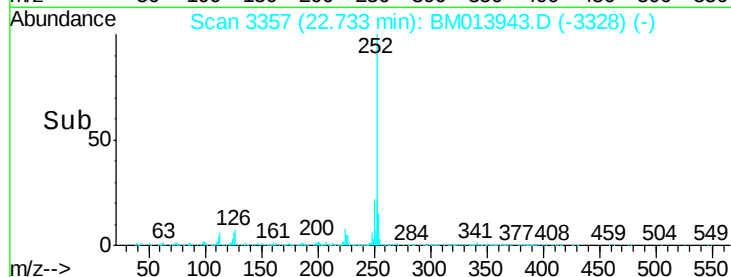
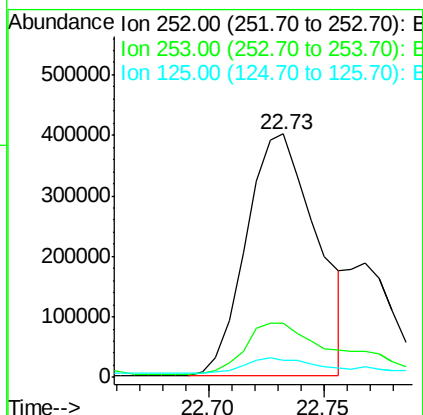
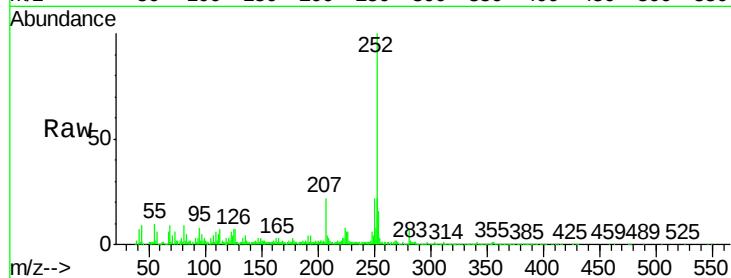




#86
Benzo(k)fluoranthene
Concen: 15.60 ng/ul
RT: 22.73 min Scan# 3357
Delta R.T. -0.03 min
Lab File: BM013943.D
Acq: 29 Jan 2018 03:37

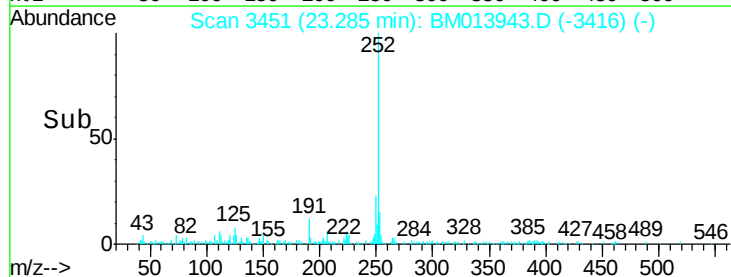
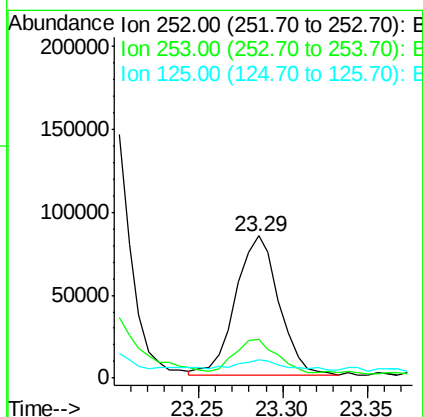
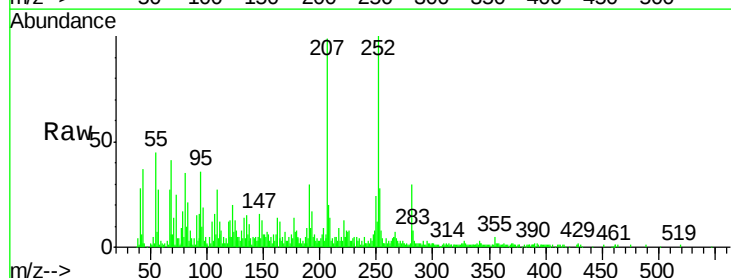
Instrument :
BNA_M
ClientSampled :
F6B12

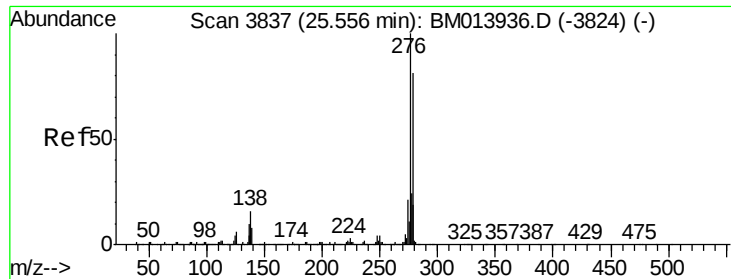
Tgt Ion:252 Resp: 846254
Ion Ratio Lower Upper
252 100
253 22.2 17.1 25.7
125 7.2 3.4 5.2#



#88
Benzo(a)pyrene
Concen: 2.80 ng/ul
RT: 23.29 min Scan# 3451
Delta R.T. 0.01 min
Lab File: BM013943.D
Acq: 29 Jan 2018 03:37

Tgt Ion:252 Resp: 148584
Ion Ratio Lower Upper
252 100
253 27.6 18.2 27.2#
125 13.2 4.0 6.0#





#89

Indeno(1,2,3-cd)pyrene

Concen: 1.88 ng/ul

RT: 25.56 min Scan# 3838

Delta R.T. 0.01 min

Lab File: BM013943.D

Acq: 29 Jan 2018 03:37

Instrument :

BNA_M

ClientSampleId :

F6B12

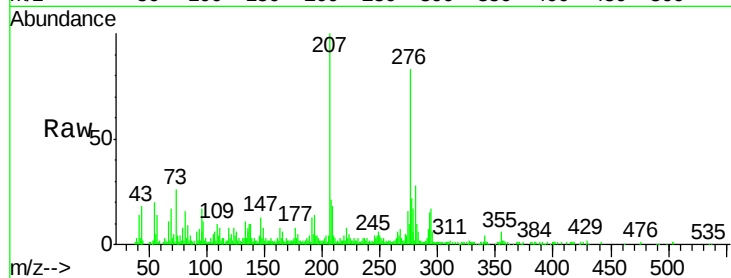
Tgt Ion:276 Resp: 117888

Ion Ratio Lower Upper

276 100

138 12.5 9.3 13.9

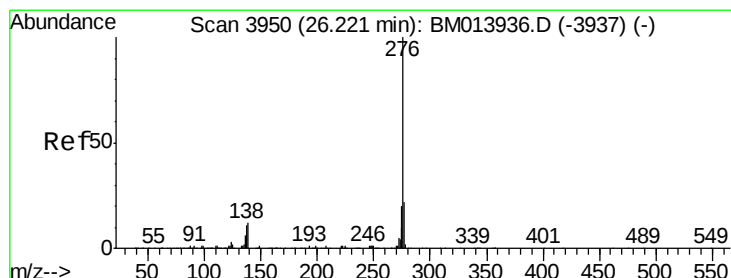
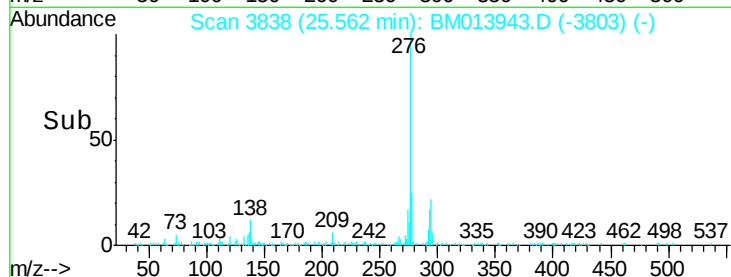
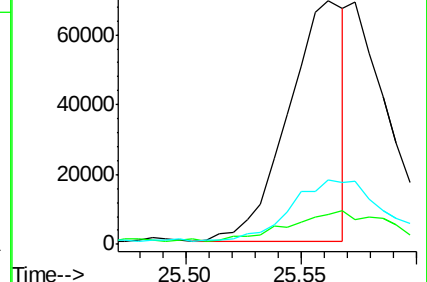
277 26.3 19.9 29.9



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



#91

Benzo(g,h,i)perylene

Concen: 4.01 ng/ul

RT: 26.23 min Scan# 3952

Delta R.T. 0.01 min

Lab File: BM013943.D

Acq: 29 Jan 2018 03:37

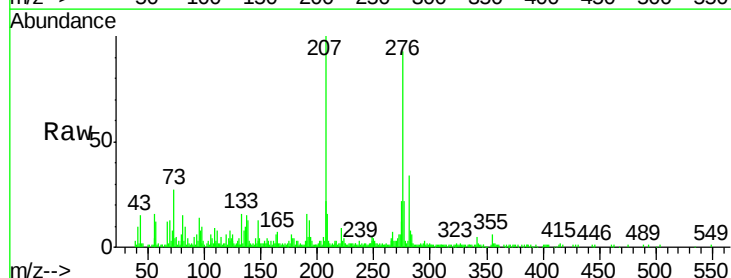
Tgt Ion:276 Resp: 206717

Ion Ratio Lower Upper

276 100

138 14.1 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

