

Data File : BM013476.D
Acq On : 16 Dec 2017 13:34
Operator : SJ/JU
Sample : I6779-11
Misc :
ALS Vial : 33 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9A94

Quant Time: Dec 18 00:31:31 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	330639	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	1456055	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	823957	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	1652769	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	1117266	20.00	ng/ul	0.00
83) Perylene-d12	23.49	264	1022125	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.22	96	35486	5.32	ng/uL	0.00
5) Phenol-d5	6.86	99	1002697	35.05	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	580372	35.57	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	824992	36.90	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	863408	35.33	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	426969	36.98	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	479843	38.82	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	877151	34.44	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	900439	38.47	ng/ul	0.00
43) Dimethylphthalate-d6	13.74	166	2586993	35.28	ng/ul	0.00
46) Acenaphthylene-d8	14.01	160	3330370	36.81	ng/ul	0.00
51) 4-Nitrophenol-d4	14.54	143	362062	28.42	ng/ul	0.00
57) Fluorene-d10	15.32	176	2137272	33.89	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.45	200	219656	21.13	ng/ul	0.00
70) Anthracene-d10	17.17	188	2972645	35.91	ng/ul	0.00
76) Pyrene-d10	19.47	212	2637659	47.39	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.35	264	1826888	35.09	ng/ul	0.01

Target Compounds				Qvalue		
6) Phenol	6.88	94	116800	4.13	ng/ul#	84
15) N-Nitroso-di-n-propylamine	8.39	70	25037	1.34	ng/ul#	1
44) Dimethylphthalate	13.78	163	469048	6.69	ng/ul	99
47) Acenaphthylene	14.04	152	314454	3.76	ng/ul	96
69) Phenanthrene	17.20	178	219637	2.34	ng/ul	97
71) Anthracene	17.20	178	219637	2.29	ng/ul	99
74) Fluoranthene	19.13	202	730248	6.35	ng/ul#	92
77) Pyrene	19.50	202	1098434	16.18	ng/ul#	93
80) Benzo(a)anthracene	21.30	228	535489	7.55	ng/ul	93
82) Chrysene	21.30	228	535489	8.14	ng/ul	96
85) Benzo(b)fluoranthene	22.82	252	1151052	16.71	ng/ul#	97
86) Benzo(k)fluoranthene	22.82	252	1151052	17.75	ng/ul#	97
88) Benzo(a)pyrene	23.39	252	758637	12.26	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.71	276	614336	10.00	ng/ul#	96
90) Dibenzo(a,h)anthracene	25.72	278	163889	3.13	ng/ul#	89
91) Benzo(g,h,i)perylene	26.40	276	541050	11.17	ng/ul#	96

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

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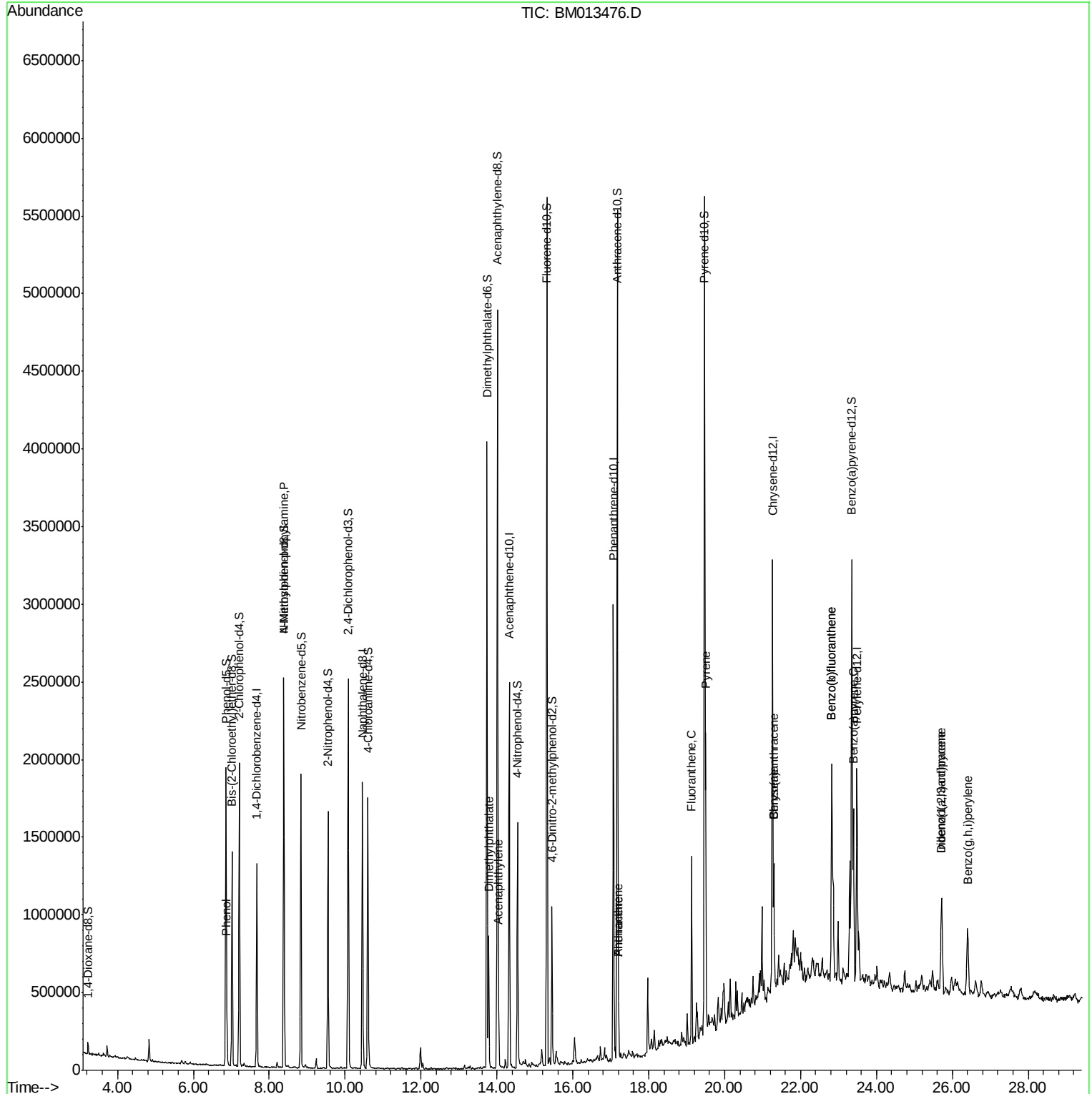
Quant Time: Dec 18 00:31:31 2017

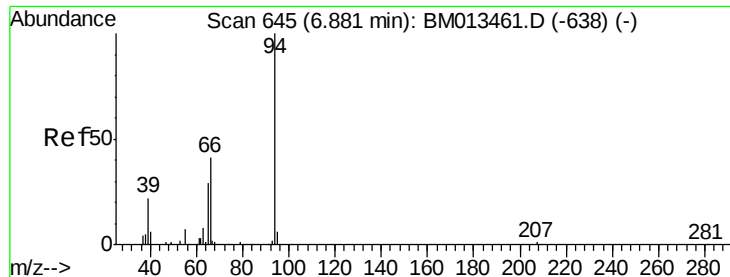
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M

Quant Title : SVOA CALIBRATION

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

Response via : Initial Calibration





#6

Phenol

Concen: 4.13 ng/ul

RT: 6.88 min Scan# 645

Delta R.T. -0.00 min

Lab File: BM013476.D

Acq: 16 Dec 2017 13:34

Instrument :

BNA_M

ClientSampled :

F9A94

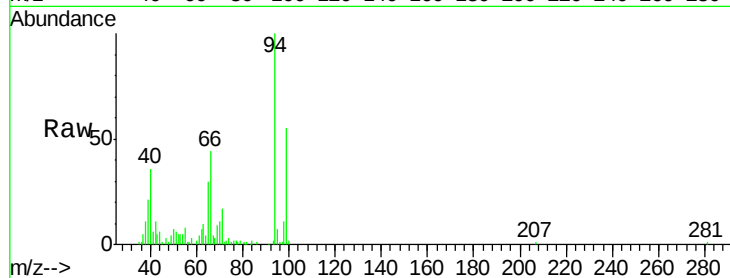
Tgt Ion: 94 Resp: 116800

Ion Ratio Lower Upper

94 100

65 30.3 28.2 42.4

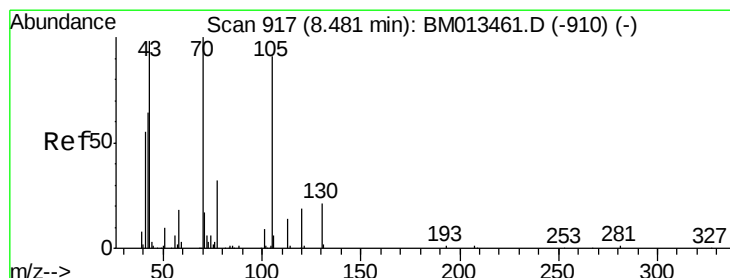
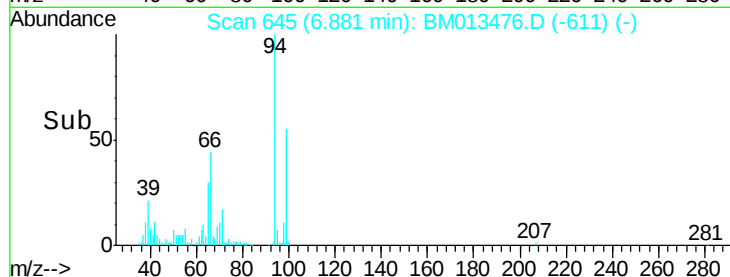
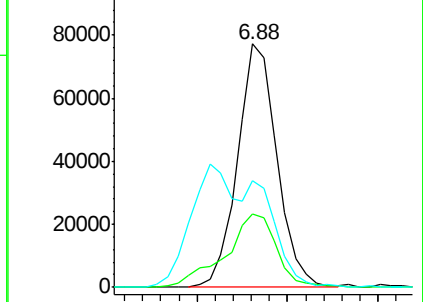
66 43.7 47.2 70.8#



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) (-)



#15

N-Nitroso-di-n-propylamine

Concen: 1.34 ng/ul

RT: 8.39 min Scan# 901

Delta R.T. -0.09 min

Lab File: BM013476.D

Acq: 16 Dec 2017 13:34

Tgt Ion: 70 Resp: 25037

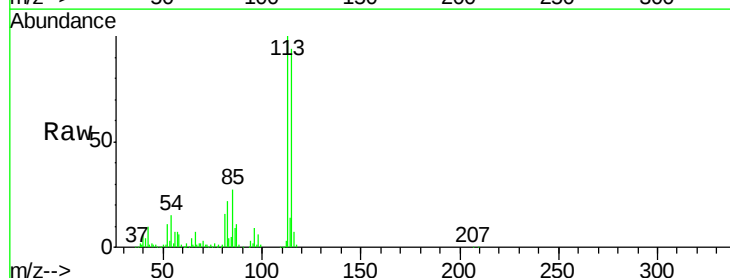
Ion Ratio Lower Upper

70 100

42 387.3 76.0 114.0#

101 0.0 6.7 10.1#

130 0.0 14.6 22.0#

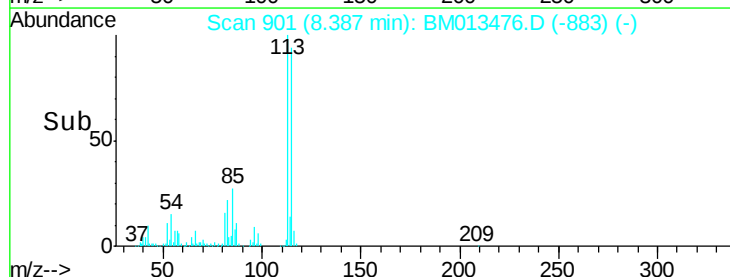
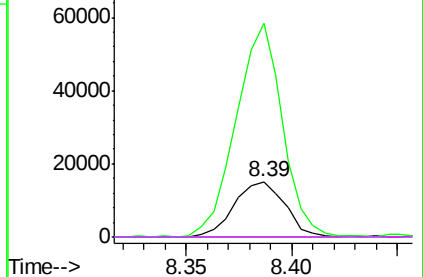


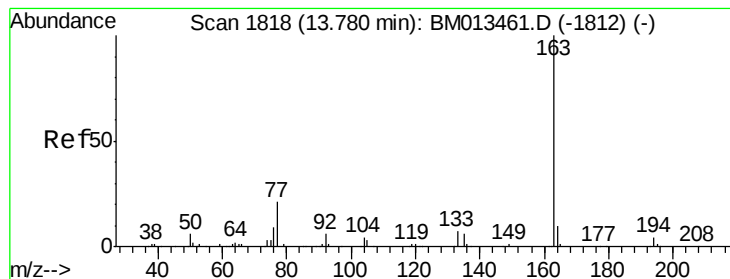
Abundance Ion 70.00 (69.70 to 70.70): BM013461.D (-910) (-)

Ion 42.00 (41.70 to 42.70): BM013461.D (-910) (-)

Ion 101.00 (100.70 to 101.70): BM013461.D (-910) (-)

Ion 130.00 (129.70 to 130.70): BM013461.D (-910) (-)





#44

Dimethylphthalate

Concen: 6.69 ng/ul

RT: 13.78 min Scan# 1818

Delta R.T. -0.00 min

Lab File: BM013476.D

Acq: 16 Dec 2017 13:34

Instrument :

BNA_M

ClientSampleId :

F9A94

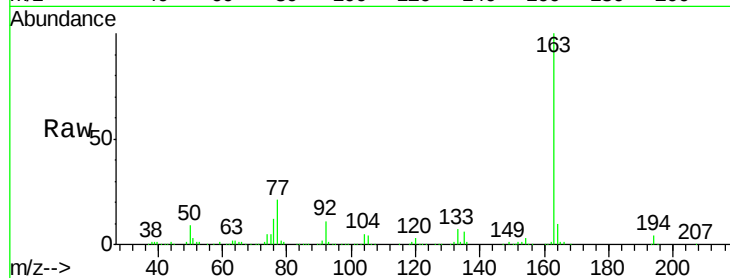
Tgt Ion:163 Resp: 469048

Ion Ratio Lower Upper

163 100

194 4.0 3.5 5.3

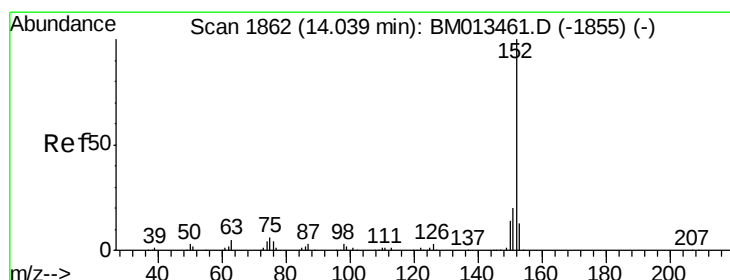
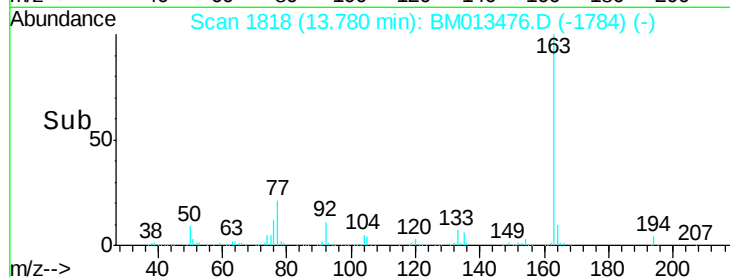
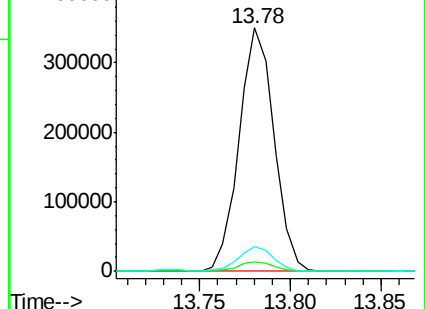
164 10.1 8.2 12.4



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: 3.76 ng/ul

RT: 14.04 min Scan# 1862

Delta R.T. -0.00 min

Lab File: BM013476.D

Acq: 16 Dec 2017 13:34

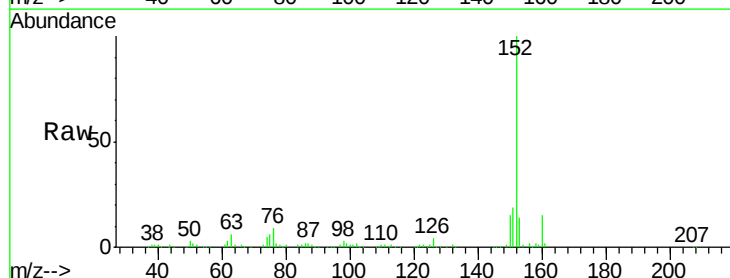
Tgt Ion:152 Resp: 314454

Ion Ratio Lower Upper

152 100

151 19.0 16.3 24.5

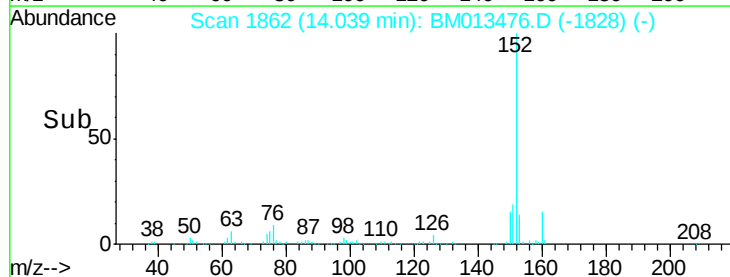
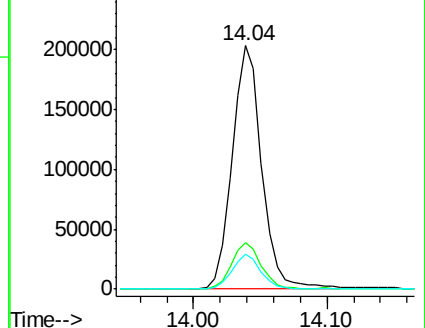
153 14.5 10.2 15.4

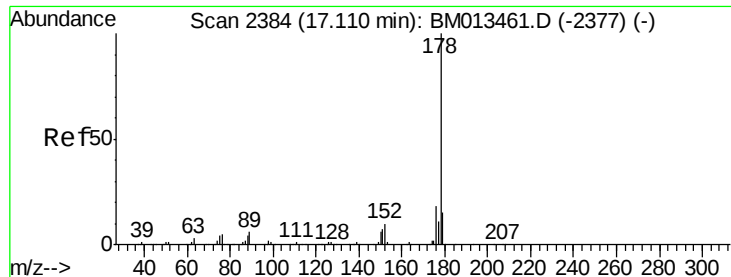


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#69

Phenanthrene

Concen: 2.34 ng/ul

RT: 17.20 min Scan# 2400

Delta R.T. 0.09 min

Lab File: BM013476.D

Acq: 16 Dec 2017 13:34

Instrument :

BNA_M

ClientSampleId :

F9A94

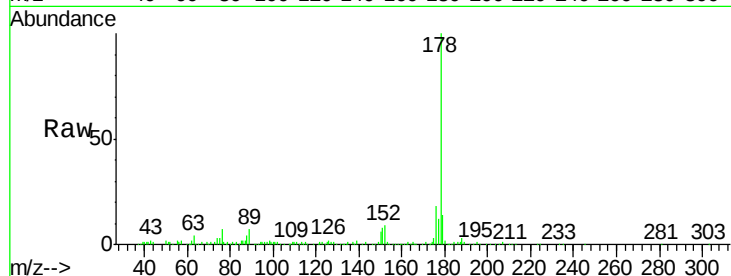
Tgt Ion:178 Resp: 219637

Ion Ratio Lower Upper

178 100

179 13.7 12.6 19.0

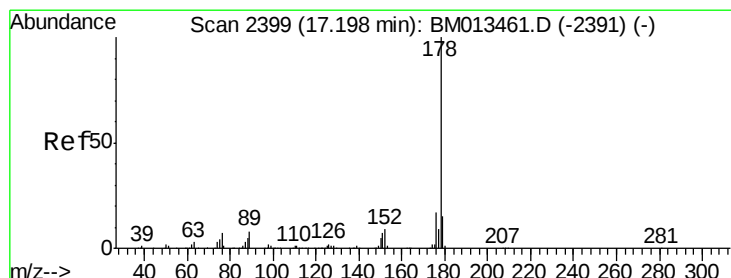
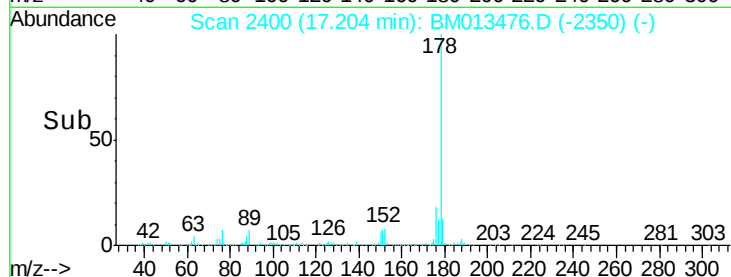
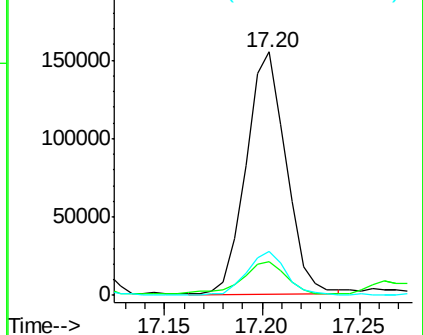
176 18.0 14.9 22.3



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: 2.29 ng/ul

RT: 17.20 min Scan# 2400

Delta R.T. -0.00 min

Lab File: BM013476.D

Acq: 16 Dec 2017 13:34

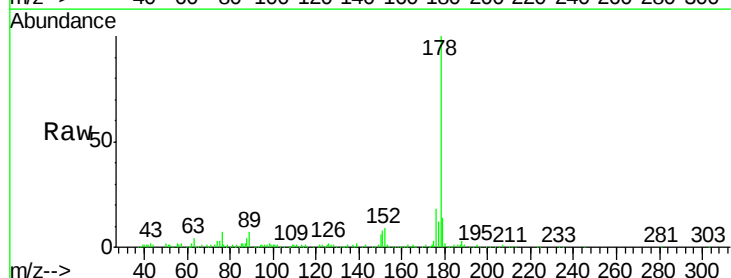
Tgt Ion:178 Resp: 219637

Ion Ratio Lower Upper

178 100

179 13.7 11.7 17.5

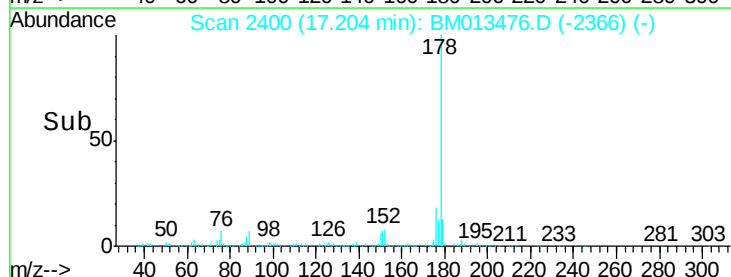
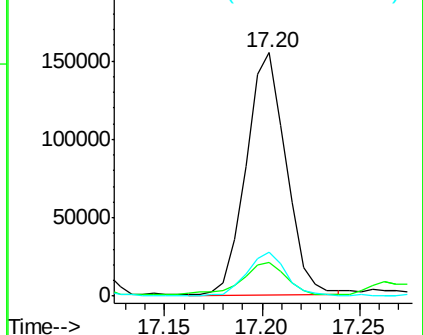
176 18.0 14.6 21.8

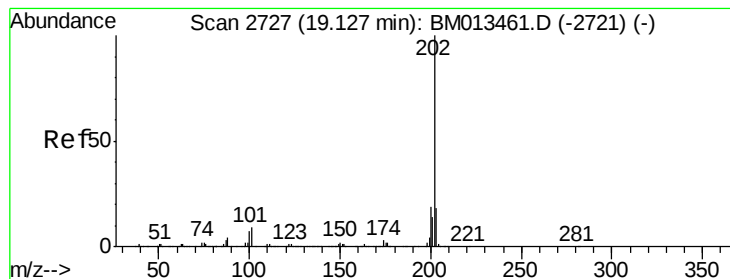


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Fluoranthene

Concen: 6.35 ng/ul

RT: 19.13 min Scan# 2728

Delta R.T. 0.01 min

Lab File: BM013476.D

Acq: 16 Dec 2017 13:34

Instrument :

BNA_M

ClientSampleId :

F9A94

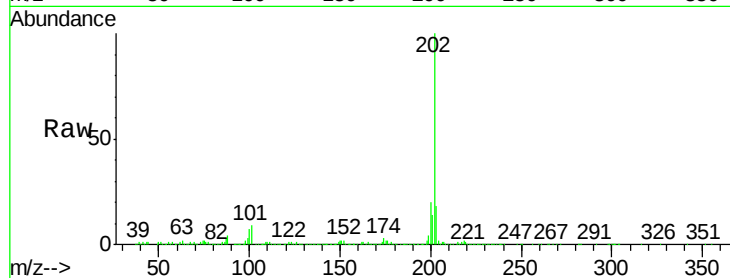
Tgt Ion:202 Resp: 730248

Ion Ratio Lower Upper

202 100

101 8.6 4.6 7.0#

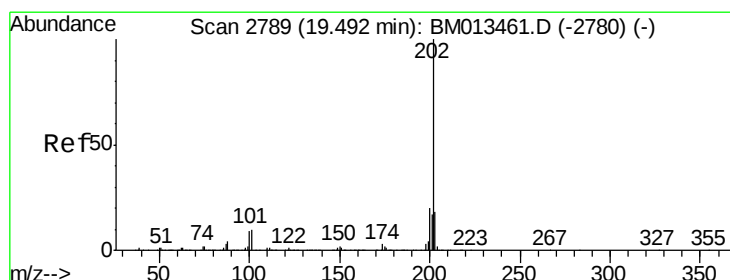
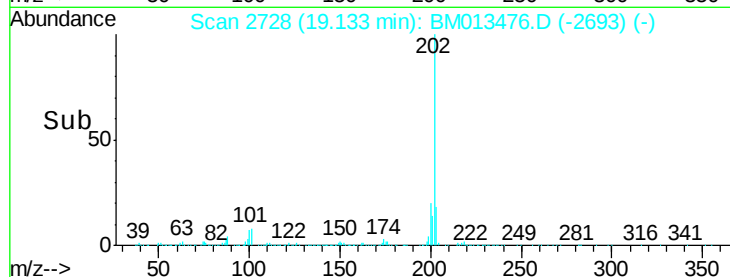
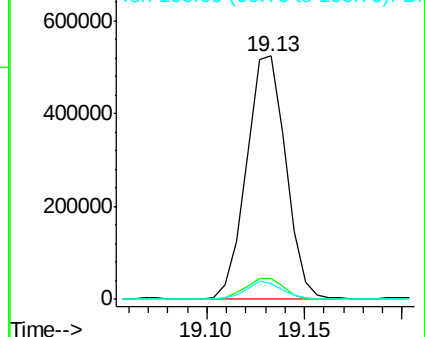
100 6.7 3.4 5.2#



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: 16.18 ng/ul

RT: 19.50 min Scan# 2790

Delta R.T. 0.01 min

Lab File: BM013476.D

Acq: 16 Dec 2017 13:34

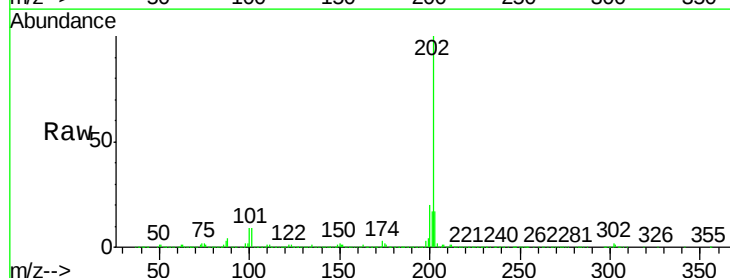
Tgt Ion:202 Resp: 1098434

Ion Ratio Lower Upper

202 100

101 8.8 5.1 7.7#

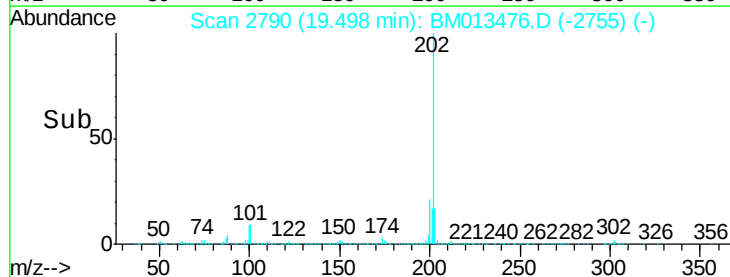
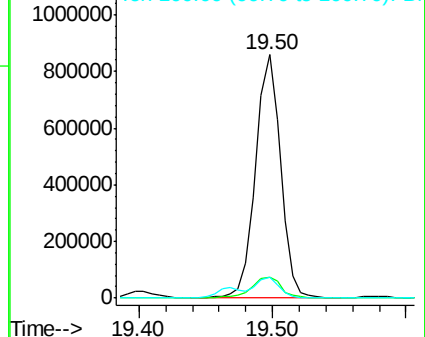
100 8.8 4.9 7.3#

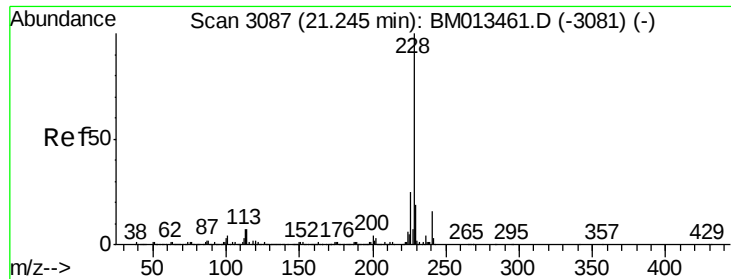


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 7.55 ng/ul

RT: 21.30 min Scan# 3096

Delta R.T. 0.05 min

Lab File: BM013476.D

Acq: 16 Dec 2017 13:34

Instrument :

BNA_M

ClientSampled :

F9A94

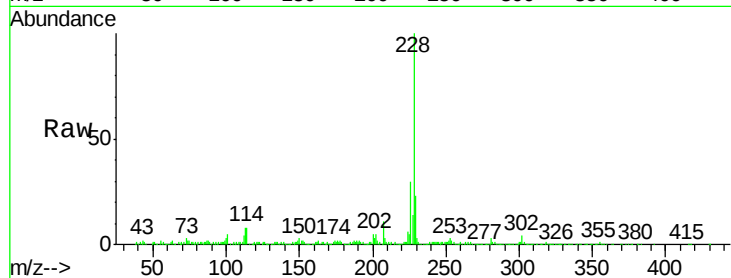
Tgt Ion:228 Resp: 535489

Ion Ratio Lower Upper

228 100

229 22.5 15.4 23.0

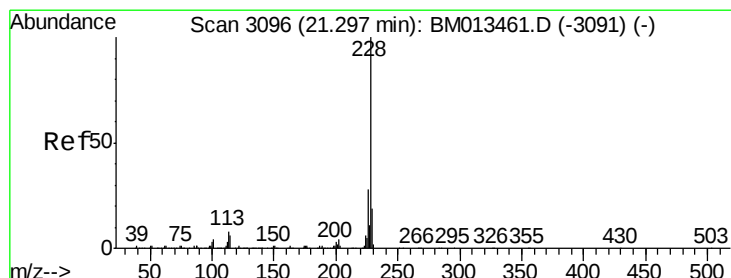
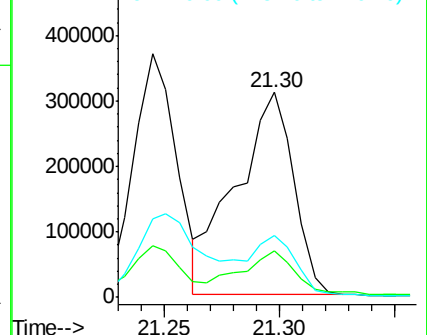
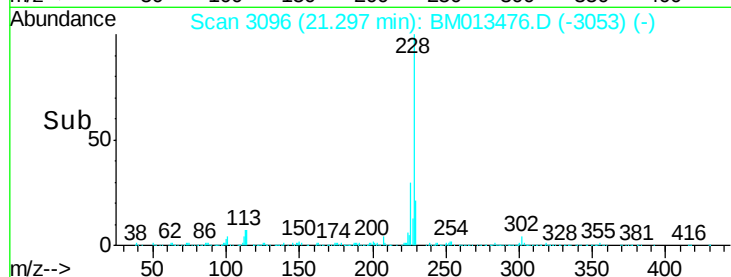
226 30.5 21.4 32.0



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: 8.14 ng/ul

RT: 21.30 min Scan# 3096

Delta R.T. -0.00 min

Lab File: BM013476.D

Acq: 16 Dec 2017 13:34

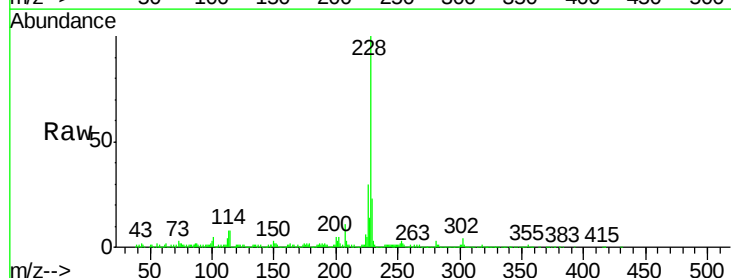
Tgt Ion:228 Resp: 535489

Ion Ratio Lower Upper

228 100

226 30.5 23.4 35.2

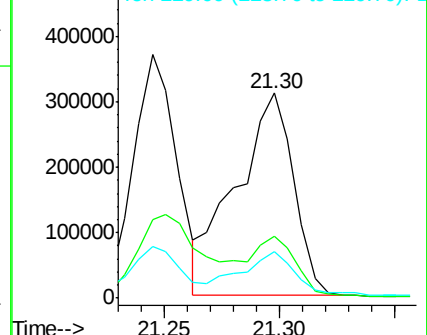
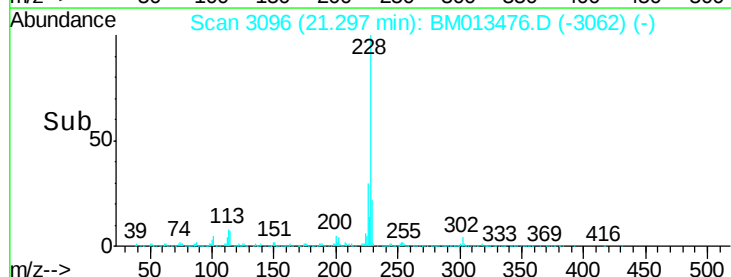
229 22.5 15.5 23.3

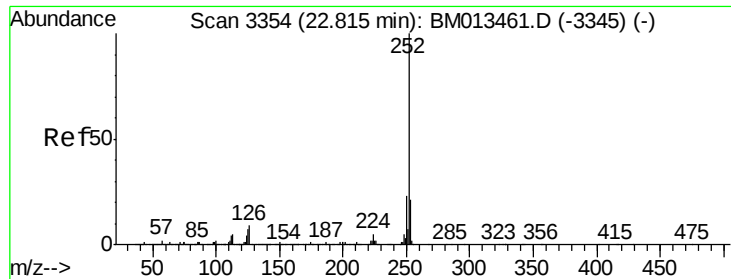


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 16.71 ng/ul

RT: 22.82 min Scan# 3355

Delta R.T. 0.01 min

Lab File: BM013476.D

Acq: 16 Dec 2017 13:34

Instrument :

BNA_M

ClientSampleId :

F9A94

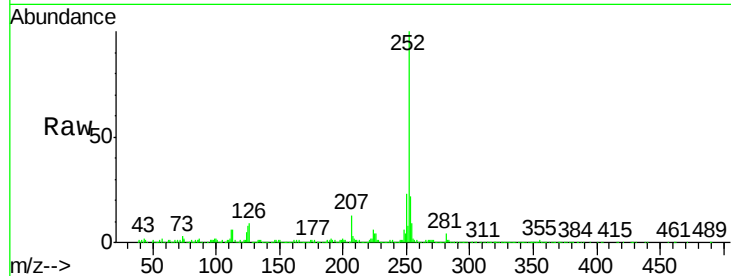
Tgt Ion:252 Resp: 1151052

Ion Ratio Lower Upper

252 100

253 22.1 17.9 26.9

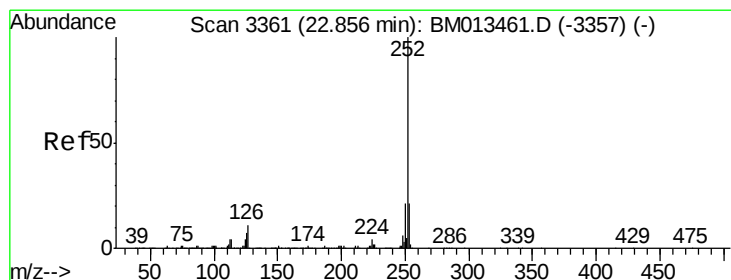
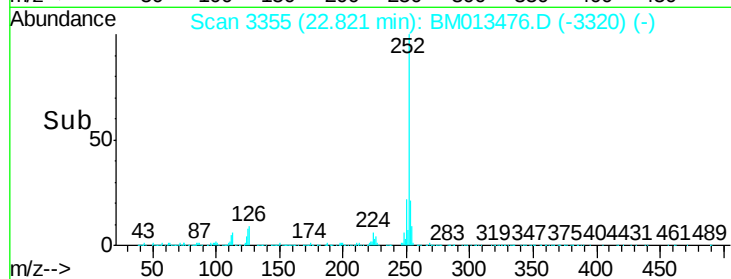
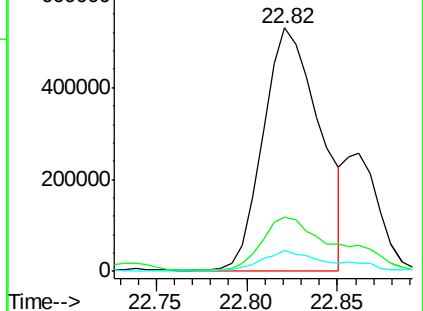
125 8.5 3.6 5.4#



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: 17.75 ng/ul

RT: 22.82 min Scan# 3355

Delta R.T. -0.04 min

Lab File: BM013476.D

Acq: 16 Dec 2017 13:34

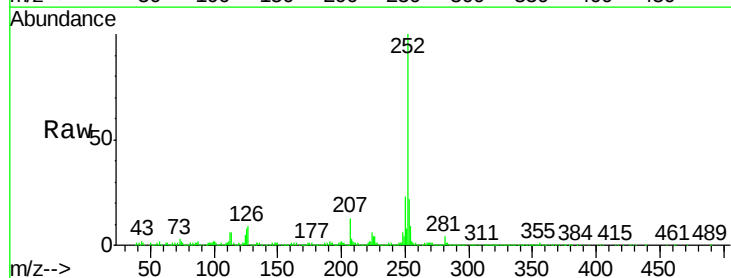
Tgt Ion:252 Resp: 1151052

Ion Ratio Lower Upper

252 100

253 22.1 17.1 25.7

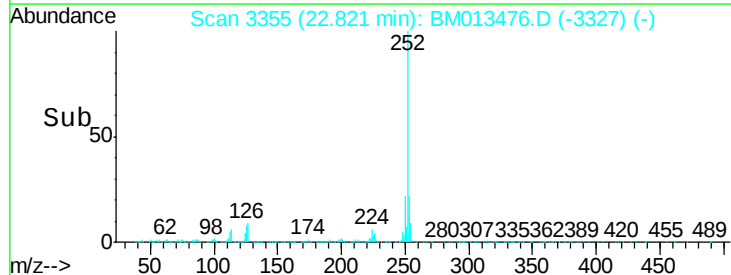
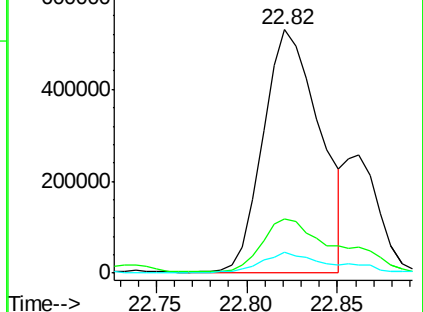
125 8.5 3.4 5.2#

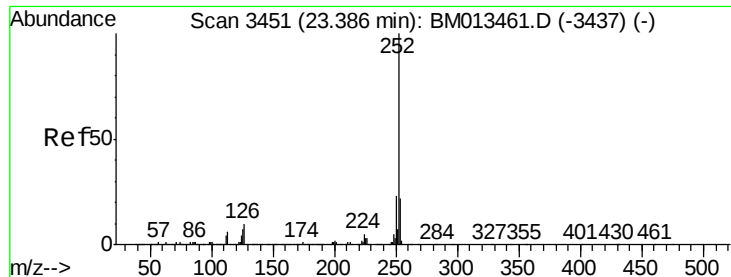


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 12.26 ng/ul

RT: 23.39 min Scan# 3452

Delta R.T. 0.01 min

Lab File: BM013476.D

Acq: 16 Dec 2017 13:34

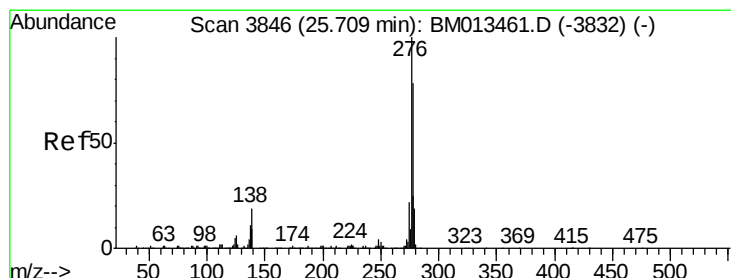
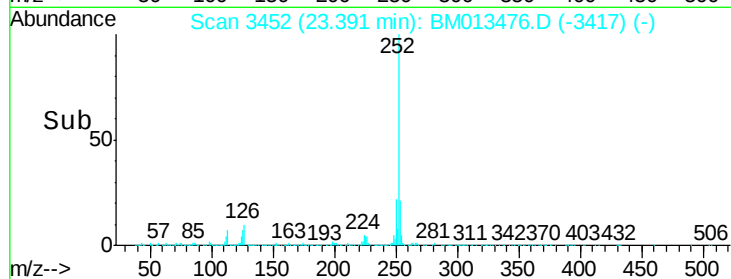
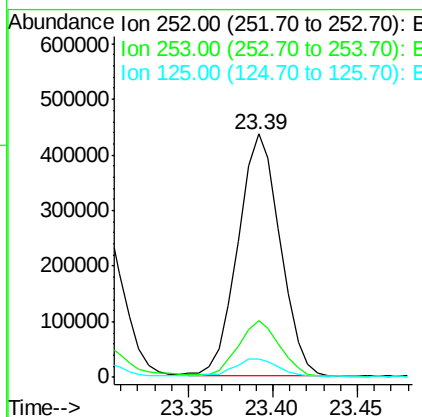
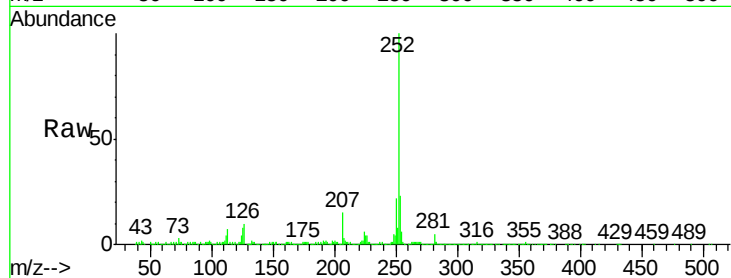
Instrument :

BNA_M

ClientSampleId :

F9A94

Tgt Ion:	252	Resp:	758637
Ion Ratio	Lower	Upper	
252	100		
253	23.1	18.2	27.2
125	7.7	4.0	6.0#



#89

Indeno(1,2,3-cd)pyrene

Concen: 10.00 ng/ul

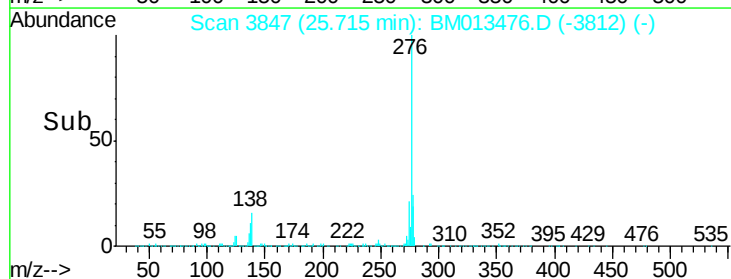
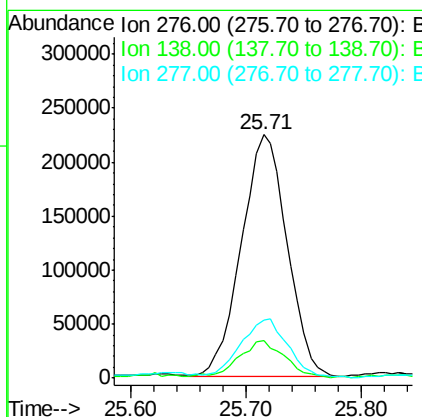
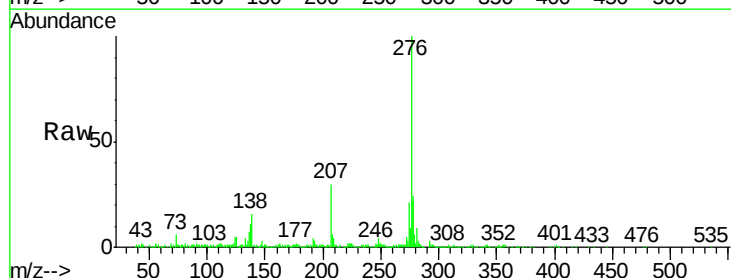
RT: 25.71 min Scan# 3847

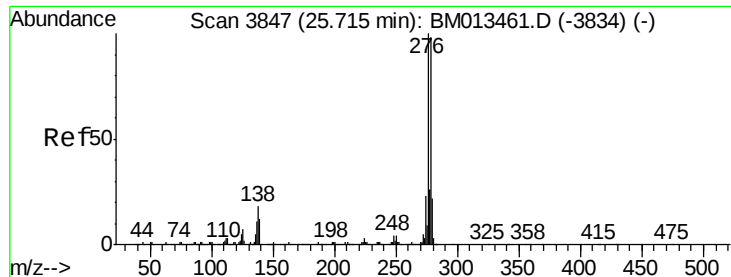
Delta R.T. 0.01 min

Lab File: BM013476.D

Acq: 16 Dec 2017 13:34

Tgt Ion:	276	Resp:	614336
Ion Ratio	Lower	Upper	
276	100		
138	15.6	9.3	13.9#
277	24.0	19.9	29.9





#90

Dibenzo(a,h)anthracene

Concen: 3.13 ng/ul

RT: 25.72 min Scan# 3848

Delta R.T. -0.00 min

Lab File: BM013476.D

Acq: 16 Dec 2017 13:34

Instrument :

BNA_M

ClientSampleId :

F9A94

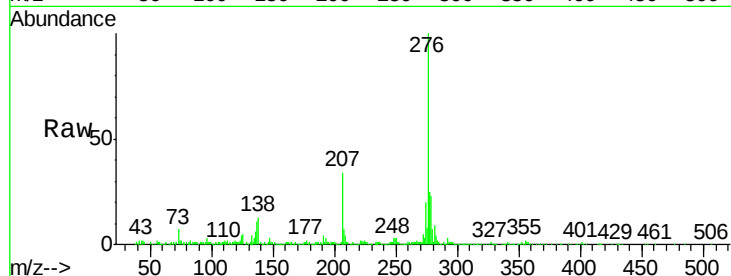
Tgt Ion:278 Resp: 163889

Ion Ratio Lower Upper

278 100

139 3.4 5.8 8.8#

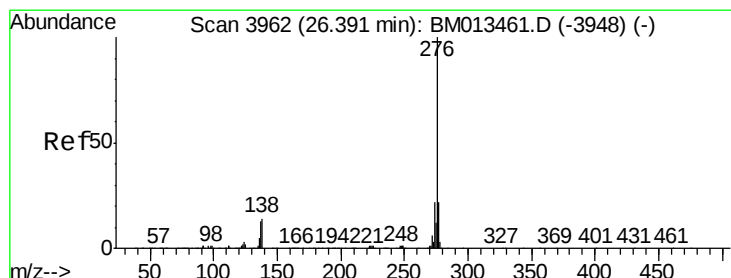
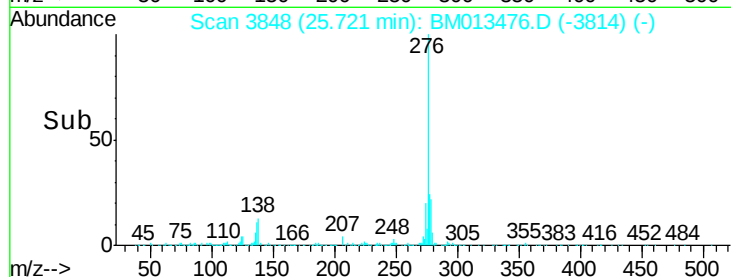
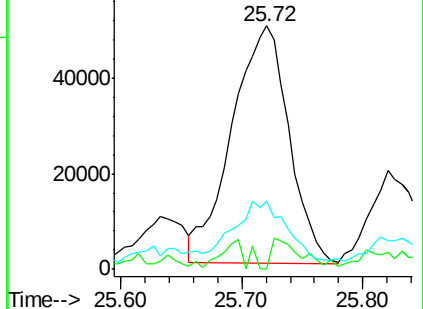
279 28.2 18.6 27.8#



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: 11.17 ng/ul

RT: 26.40 min Scan# 3964

Delta R.T. 0.01 min

Lab File: BM013476.D

Acq: 16 Dec 2017 13:34

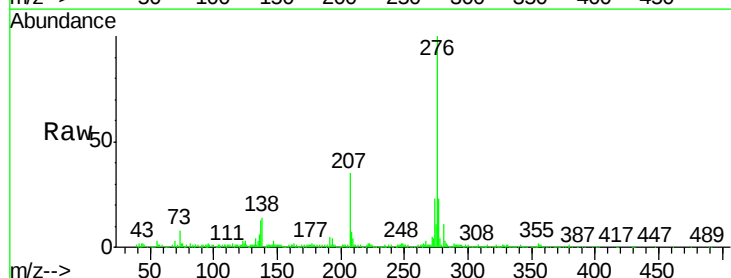
Tgt Ion:276 Resp: 541050

Ion Ratio Lower Upper

276 100

138 13.9 8.5 12.7#

277 22.7 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

