

Data File : BM013423.D
Acq On : 15 Dec 2017 04:14
Operator : SJ/JU
Sample : I6776-04 30X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9A56

Quant Time: Dec 15 06:06:36 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	244757	20.00	ng/ul	0.00
18) Naphthalene-d8	10.46	136	1067302	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	609300	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	1289755	20.00	ng/ul	0.00
75) Chrysene-d12	21.27	240	1158616	20.00	ng/ul	0.01
83) Perylene-d12	23.49	264	907707	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	820	0.17	ng/uL	0.00
5) Phenol-d5	6.86	99	23394	1.10	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	12761	1.06	ng/ul	0.00
9) 2-Chlorophenol-d4	7.22	132	17880	1.08	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	19112	1.06	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	9951	1.18	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	10724	1.18	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	18218	0.98	ng/ul	0.01
29) 4-Chloroaniline-d4	10.60	131	1513	0.09	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	69814	1.29	ng/ul	0.00
46) Acenaphthylene-d8	14.00	160	89320	1.33	ng/ul	0.00
51) 4-Nitrophenol-d4	14.54	143	7417	0.79	ng/ul	0.00
57) Fluorene-d10	15.32	176	62101	1.33	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.44	200	5716	0.70	ng/ul	0.00
70) Anthracene-d10	17.16	188	99988	1.55	ng/ul	0.00
76) Pyrene-d10	19.49	212	56859	0.99	ng/ul	0.02
87) Benzo(a)pyrene-d12	23.34	264	61034	1.32	ng/ul	0.00

Target Compounds

						Qvalue
47) Acenaphthylene	14.04	152	501891	8.11	ng/ul	98
68) Pentachlorophenol	16.72	266	84172	8.70	ng/ul	97
69) Phenanthrene	17.11	178	410947	5.61	ng/ul	99
71) Anthracene	17.20	178	1019918	13.62	ng/ul	99
74) Fluoranthene	19.08	202	187132	2.08	ng/ul#	50
80) Benzo(a)anthracene	21.26	228	13726808	186.73	ng/ul#	88
82) Chrysene	21.32	228	16092111	235.95	ng/ul#	85
85) Benzo(b)fluoranthene	22.84	252	9356038	152.90	ng/ul#	97
86) Benzo(k)fluoranthene	22.87	252	3153066	54.76	ng/ul#	97
88) Benzo(a)pyrene	23.40	252	2801714	50.97	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.72	276	1461298	26.79	ng/ul#	96
90) Dibenzo(a,h)anthracene	25.72	278	419838	9.04	ng/ul#	96
91) Benzo(g,h,i)perylene	26.40	276	1076177	25.02	ng/ul#	95

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

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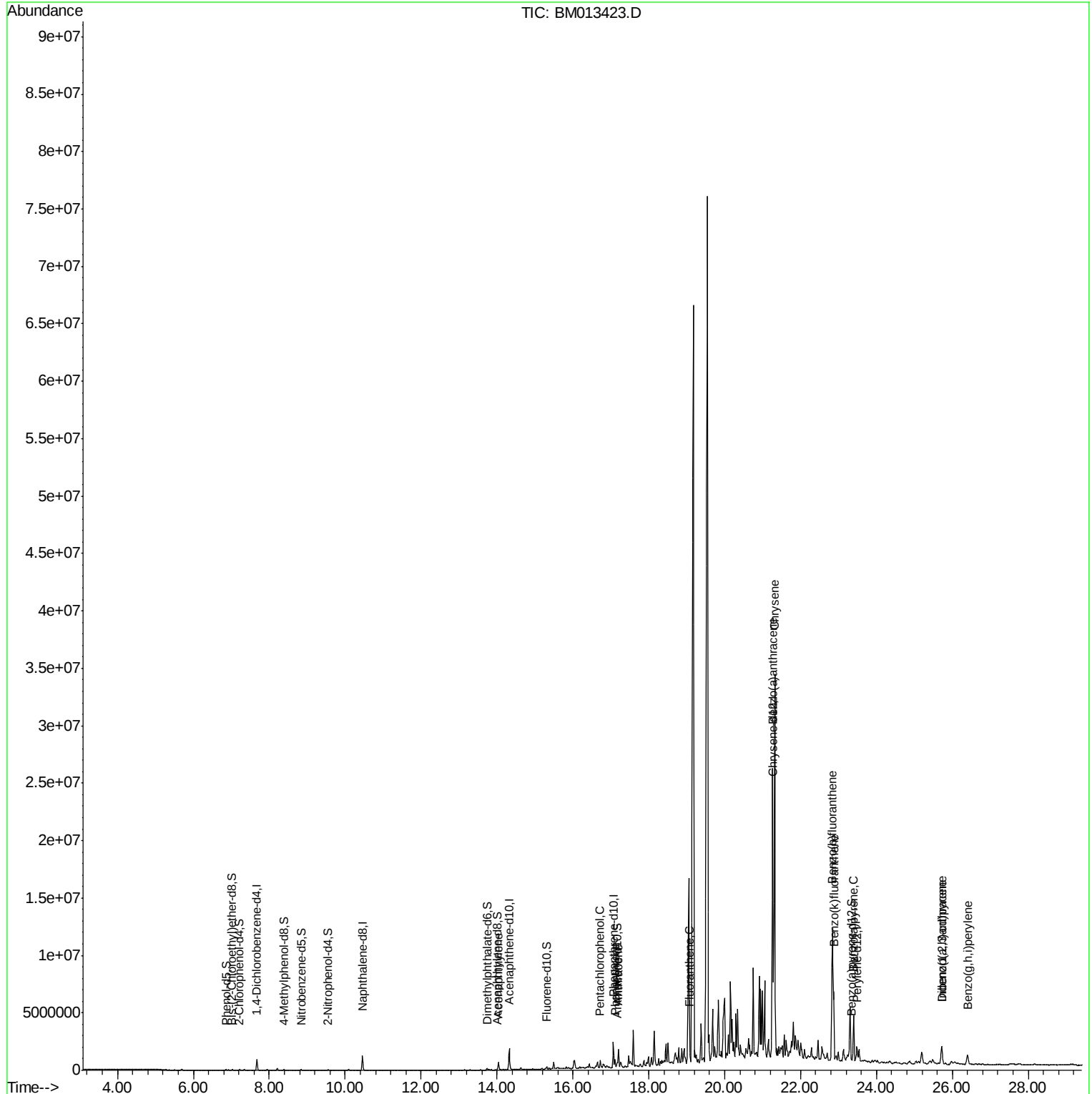
Quant Time: Dec 15 06:06:36 2017

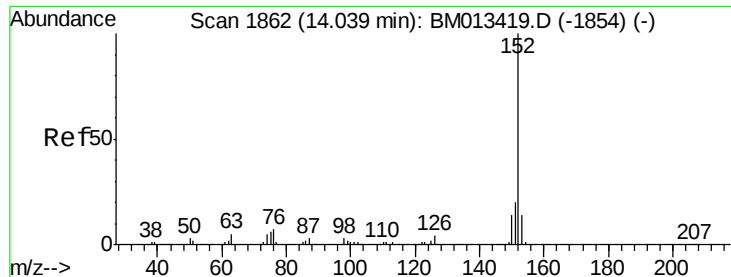
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M

Quant Title : SVOA CALIBRATION

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

Response via : Initial Calibration





#47

Acenaphthylene

Concen: 8.11 ng/ul

RT: 14.04 min Scan# 1862

Delta R.T. 0.00 min

Lab File: BM013423.D

Acq: 15 Dec 2017 04:14

Instrument :

BNA_M

ClientSampleId :

F9A56

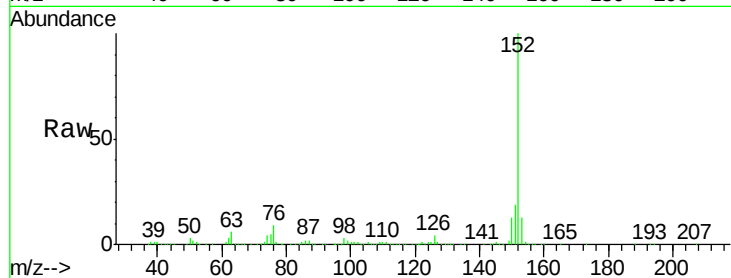
Tgt Ion:152 Resp: 501891

Ion Ratio Lower Upper

152 100

151 18.8 16.3 24.5

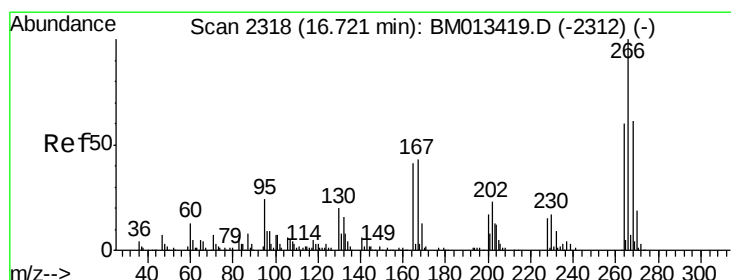
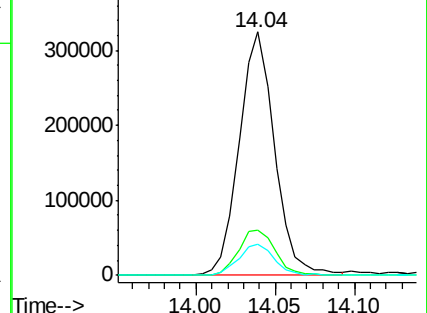
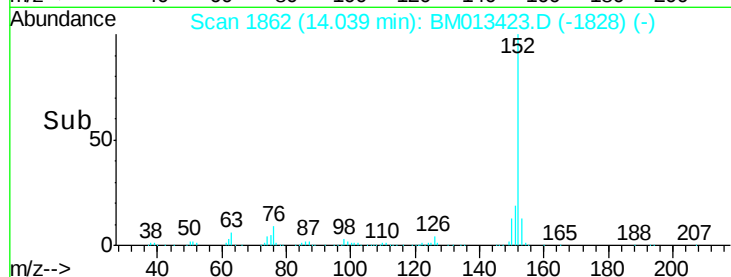
153 12.7 10.2 15.4



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: 8.70 ng/ul

RT: 16.72 min Scan# 2318

Delta R.T. 0.00 min

Lab File: BM013423.D

Acq: 15 Dec 2017 04:14

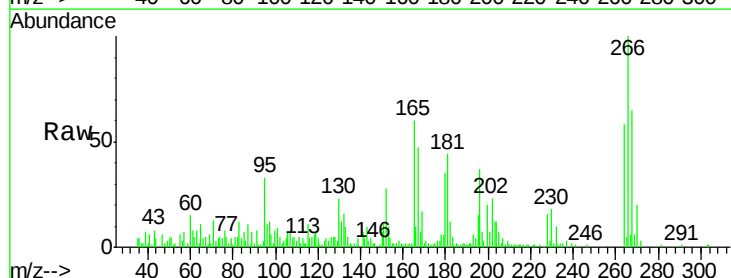
Tgt Ion:266 Resp: 84172

Ion Ratio Lower Upper

266 100

264 57.8 49.3 73.9

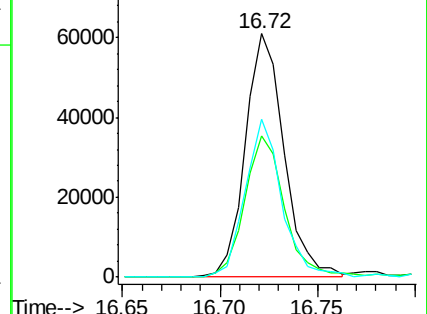
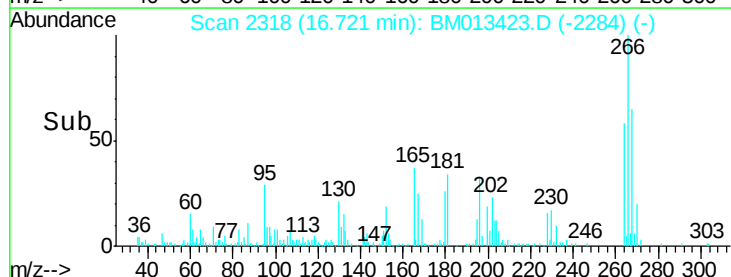
268 64.8 52.6 78.8

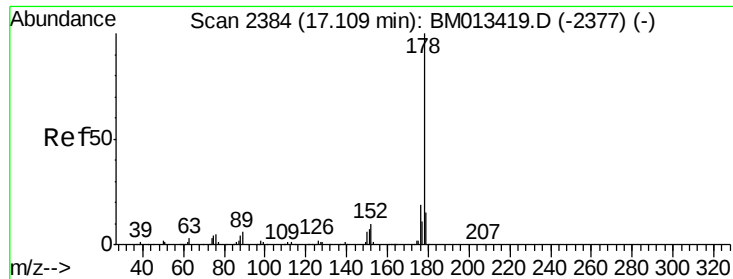


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E

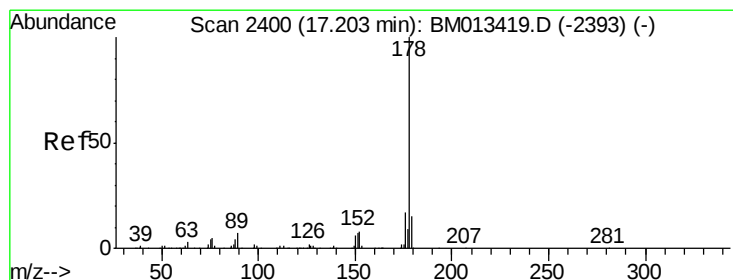
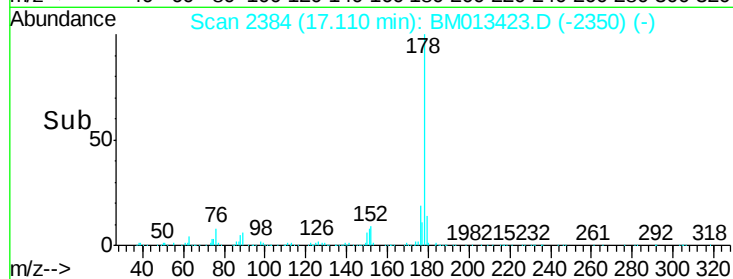
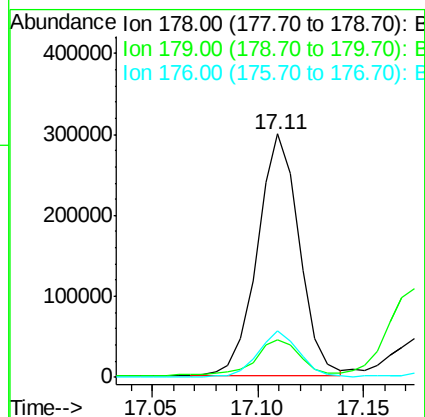
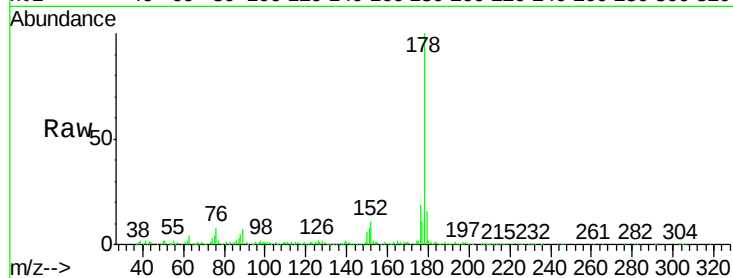




#69
Phenanthrene
Concen: 5.61 ng/ul
RT: 17.11 min Scan# 2384
Delta R.T. 0.00 min
Lab File: BM013423.D
Acq: 15 Dec 2017 04:14

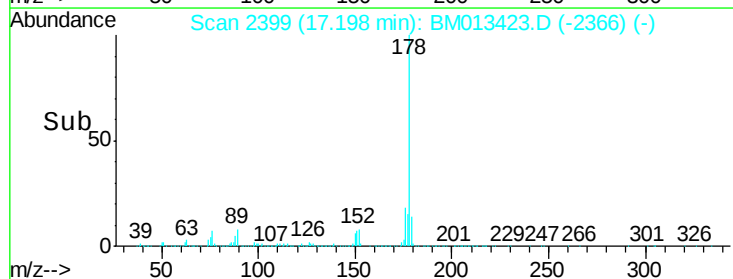
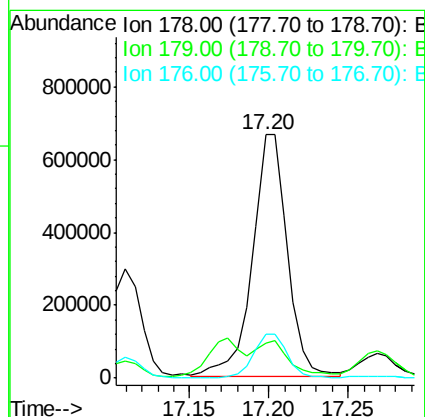
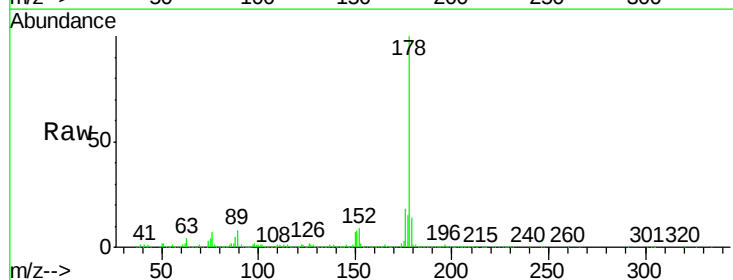
Instrument :
BNA_M
ClientSampleId :
F9A56

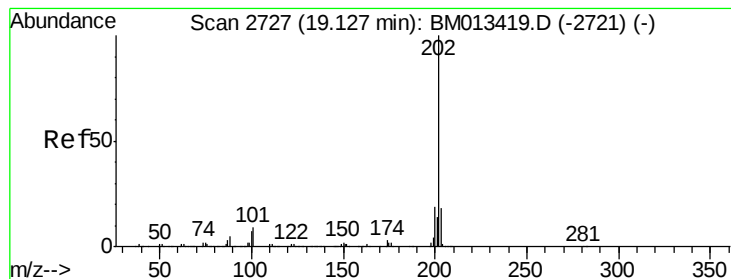
Tgt Ion:178 Resp: 410947
Ion Ratio Lower Upper
178 100
179 15.6 12.6 19.0
176 19.1 14.9 22.3



#71
Anthracene
Concen: 13.62 ng/ul
RT: 17.20 min Scan# 2399
Delta R.T. -0.01 min
Lab File: BM013423.D
Acq: 15 Dec 2017 04:14

Tgt Ion:178 Resp: 1019918
Ion Ratio Lower Upper
178 100
179 14.2 11.7 17.5
176 17.9 14.6 21.8





#74

Fluoranthene

Concen: 2.08 ng/ul

RT: 19.08 min Scan# 2719

Delta R.T. -0.05 min

Lab File: BM013423.D

Acq: 15 Dec 2017 04:14

Instrument :

BNA_M

ClientSampleId :

F9A56

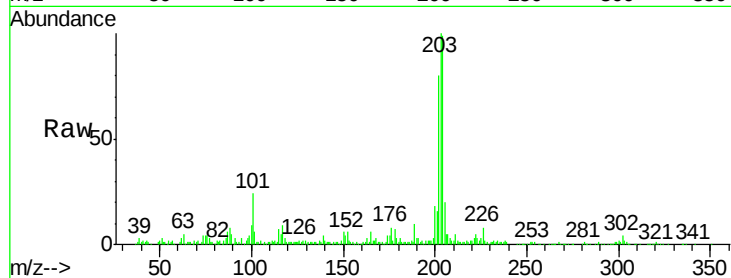
Tgt Ion:202 Resp: 187132

Ion Ratio Lower Upper

202 100

101 29.9 4.6 7.0#

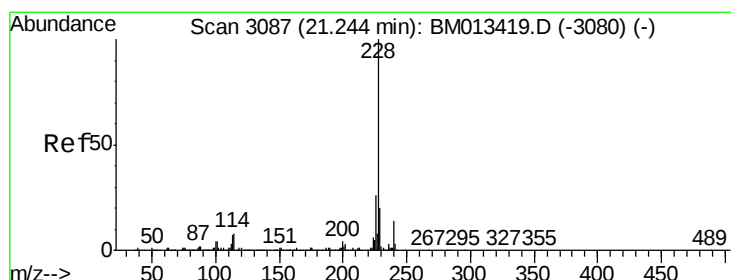
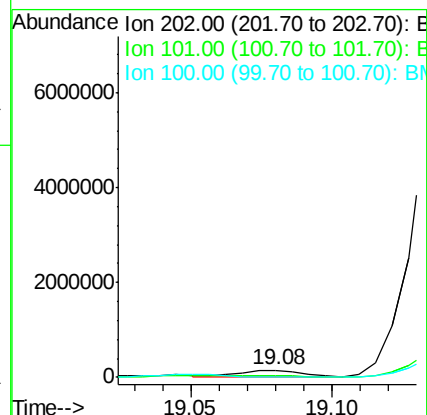
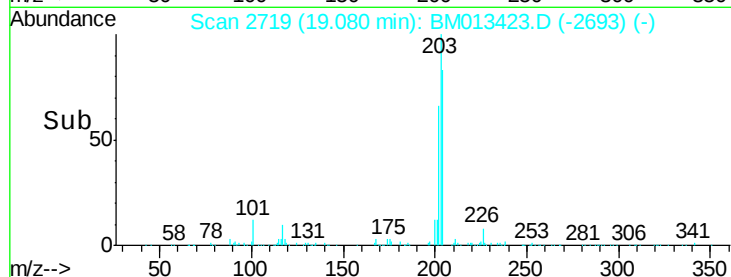
100 11.1 3.4 5.2#



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): B



#80

Benzo(a)anthracene

Concen: 186.73 ng/ul

RT: 21.26 min Scan# 3090

Delta R.T. 0.02 min

Lab File: BM013423.D

Acq: 15 Dec 2017 04:14

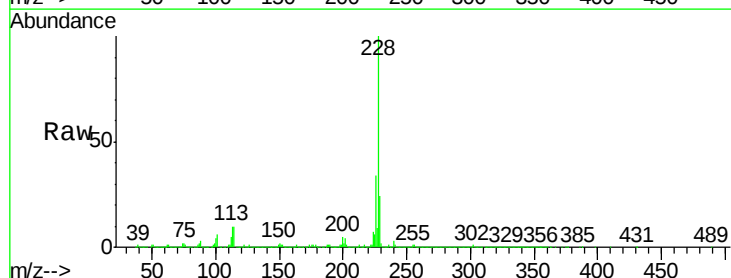
Tgt Ion:228 Resp:13726808

Ion Ratio Lower Upper

228 100

229 24.0 15.4 23.0#

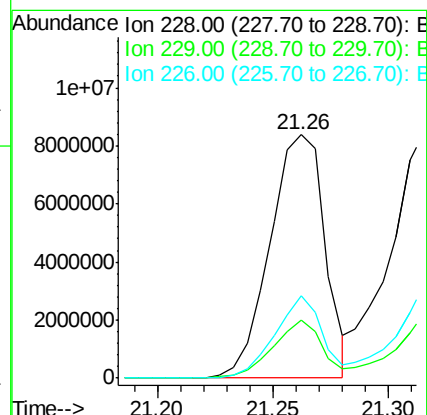
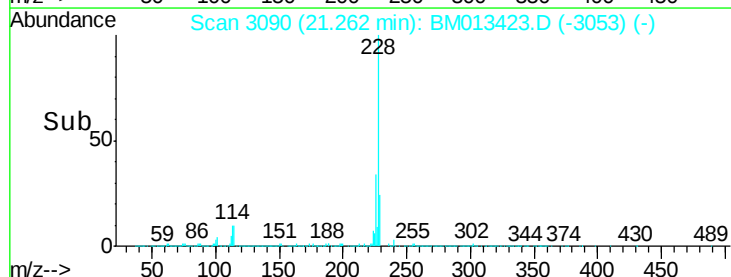
226 33.6 21.4 32.0#

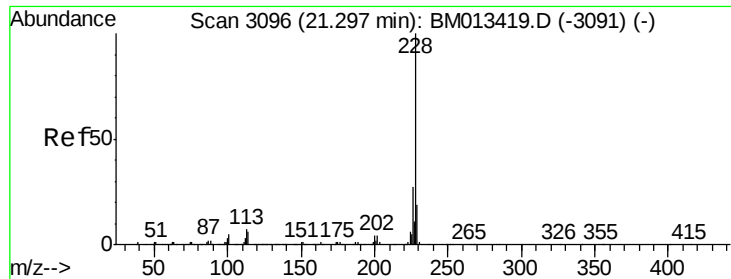


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 235.95 ng/ul

RT: 21.32 min Scan# 3099

Delta R.T. 0.02 min

Lab File: BM013423.D

Acq: 15 Dec 2017 04:14

Instrument :

BNA_M

ClientSampleId :

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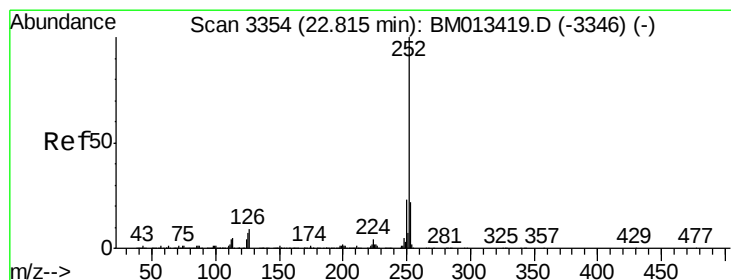
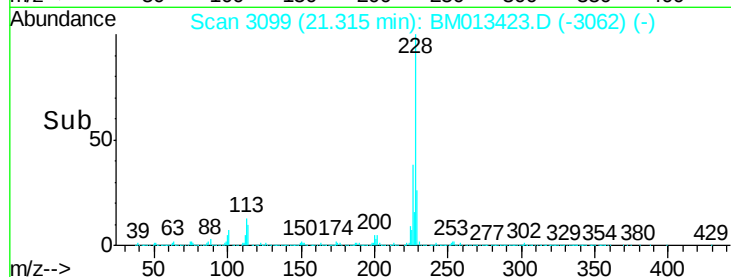
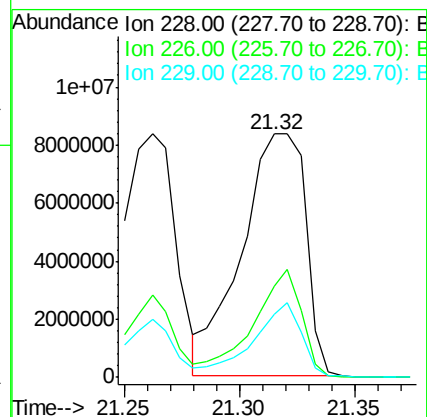
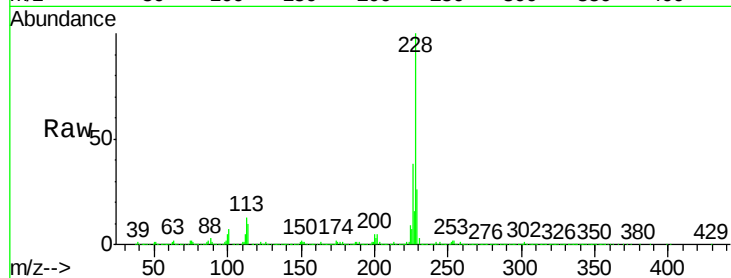
Tgt Ion:228 Resp:16092111

Ion Ratio Lower Upper

228 100

226 37.8 23.4 35.2#

229 26.0 15.5 23.3#



#85

Benzo(b)fluoranthene

Concen: 152.90 ng/ul

RT: 22.84 min Scan# 3358

Delta R.T. 0.02 min

Lab File: BM013423.D

Acq: 15 Dec 2017 04:14

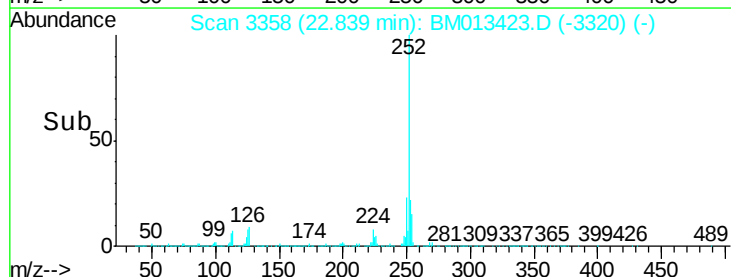
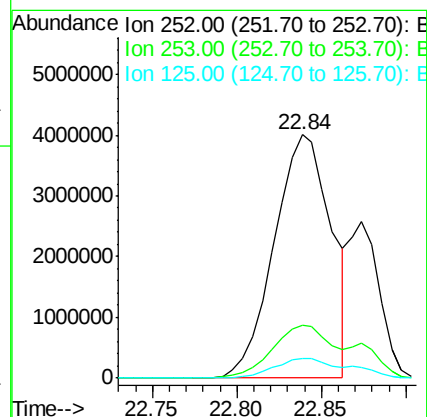
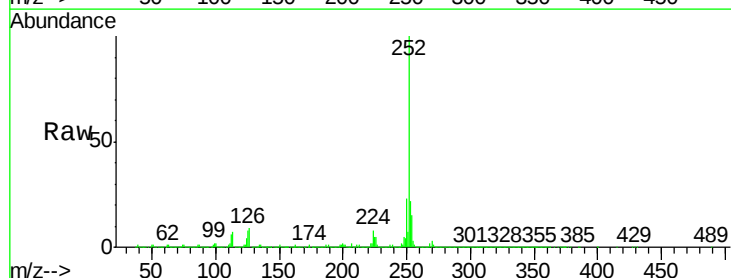
Tgt Ion:252 Resp: 9356038

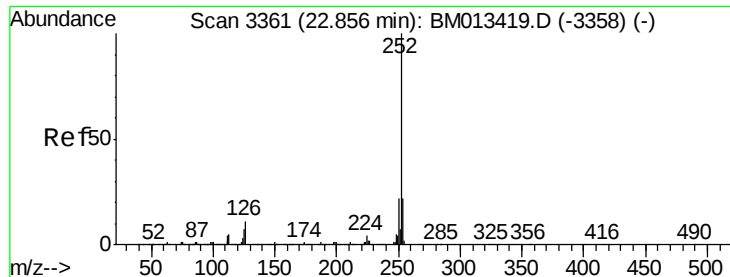
Ion Ratio Lower Upper

252 100

253 21.9 17.9 26.9

125 7.9 3.6 5.4#





#86

Benzo(k)fluoranthene

Concen: 54.76 ng/ul

RT: 22.87 min Scan# 3364

Delta R.T. 0.02 min

Lab File: BM013423.D

Acq: 15 Dec 2017 04:14

Instrument :

BNA_M

ClientSampled :

F9A56

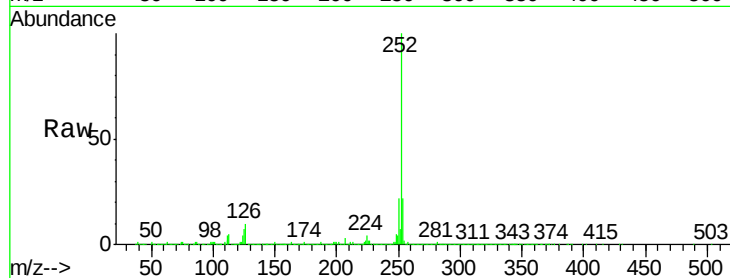
Tgt Ion:252 Resp: 3153066

Ion Ratio Lower Upper

252 100

253 22.1 17.1 25.7

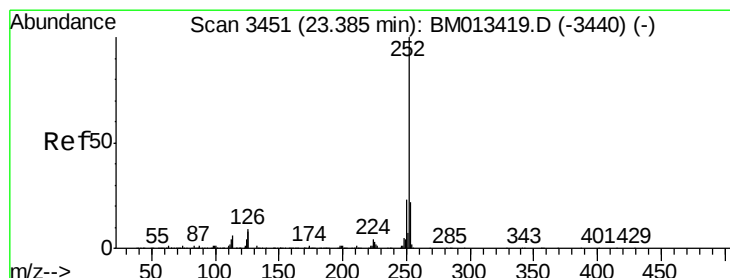
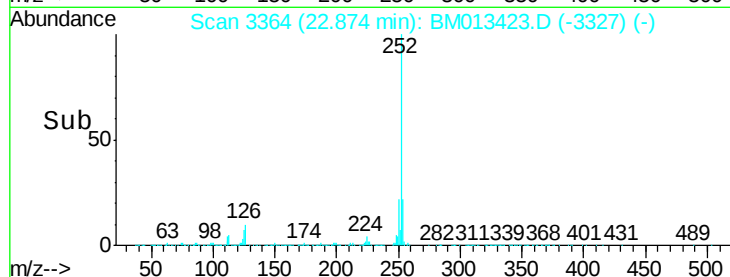
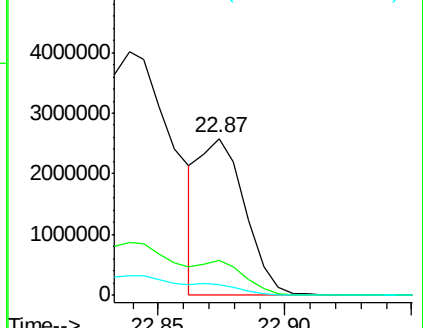
125 7.1 3.4 5.2#



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: 50.97 ng/ul

RT: 23.40 min Scan# 3453

Delta R.T. 0.01 min

Lab File: BM013423.D

Acq: 15 Dec 2017 04:14

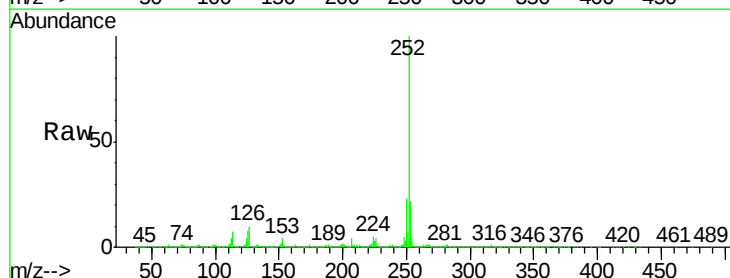
Tgt Ion:252 Resp: 2801714

Ion Ratio Lower Upper

252 100

253 22.0 18.2 27.2

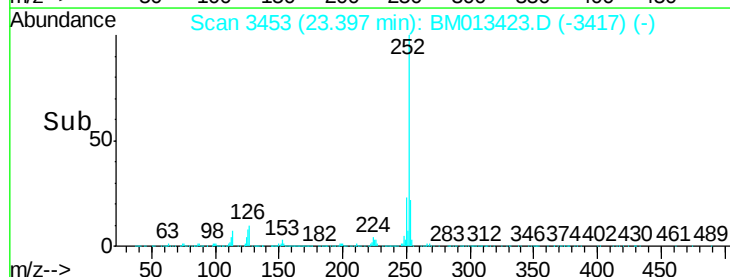
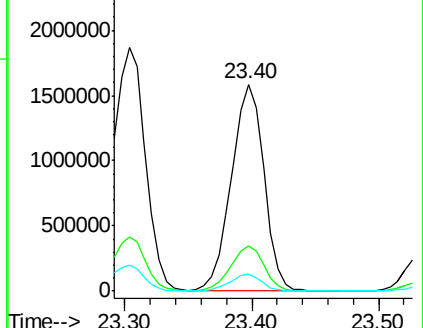
125 8.2 4.0 6.0#

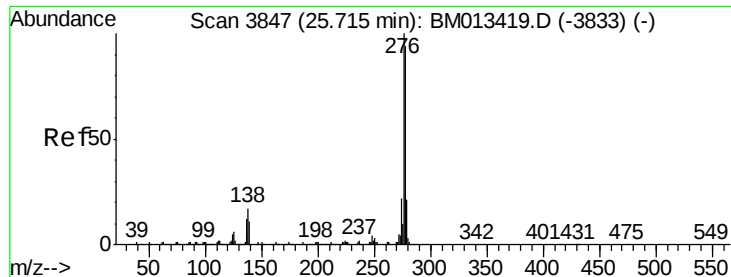


Abundance Ion 252.00 (251.70 to 252.70): E

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: 26.79 ng/ul

RT: 25.72 min Scan# 3848

Delta R.T. 0.01 min

Lab File: BM013423.D

Acq: 15 Dec 2017 04:14

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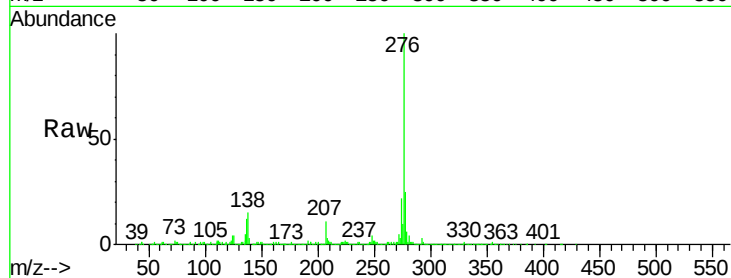
Tgt Ion:276 Resp: 1461298

Ion Ratio Lower Upper

276 100

138 14.6 9.3 13.9#

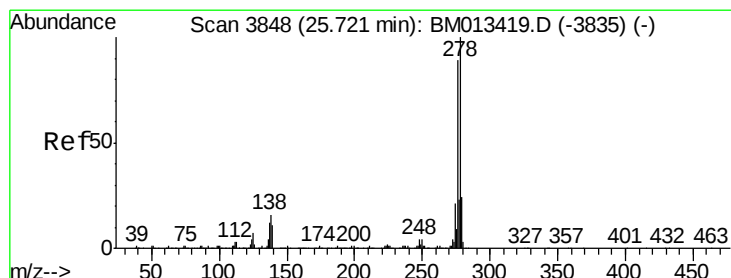
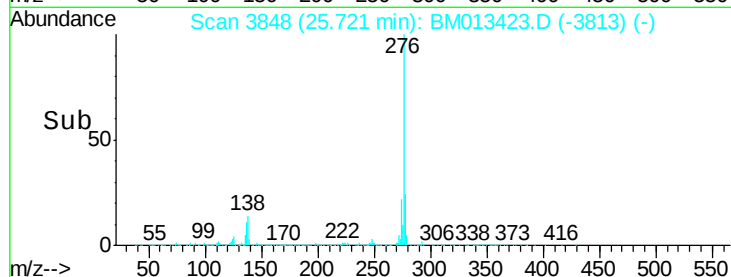
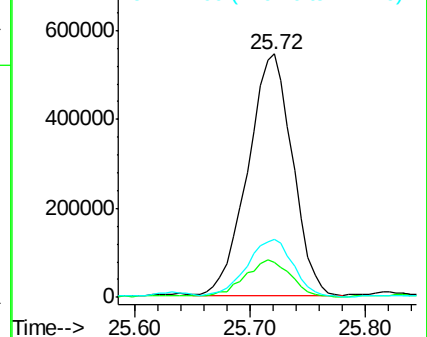
277 23.9 19.9 29.9



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: 9.04 ng/ul

RT: 25.72 min Scan# 3848

Delta R.T. 0.00 min

Lab File: BM013423.D

Acq: 15 Dec 2017 04:14

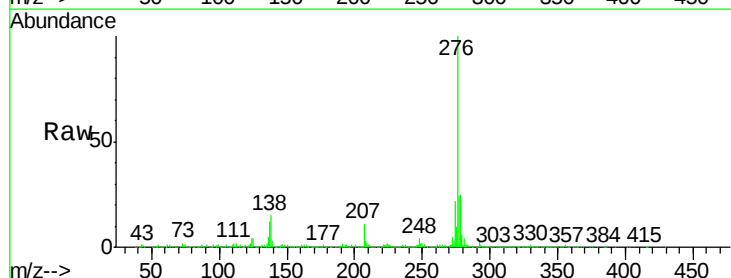
Tgt Ion:278 Resp: 419838

Ion Ratio Lower Upper

278 100

139 12.1 5.8 8.8#

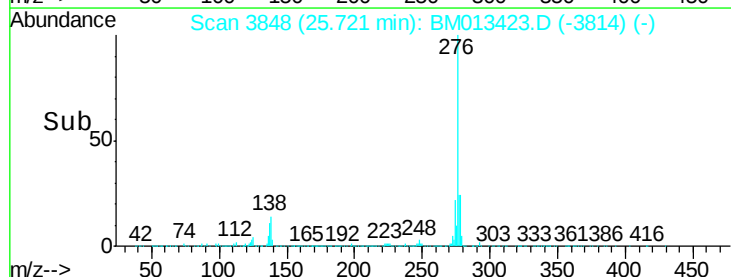
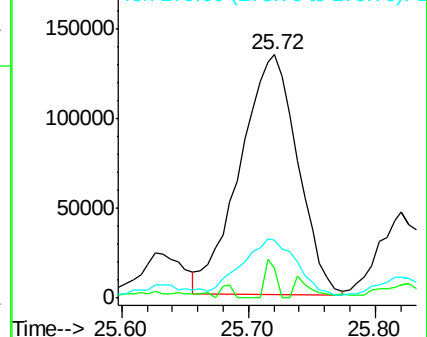
279 23.9 18.6 27.8

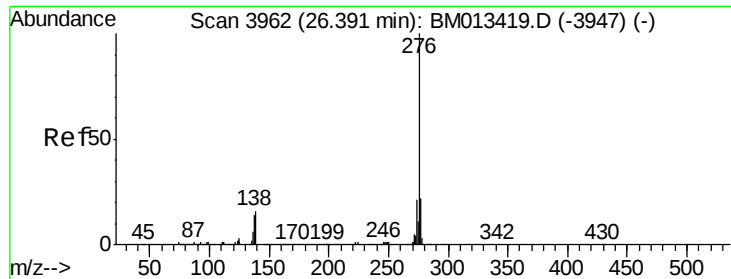


Abundance Ion 278.00 (277.70 to 278.70): E

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: 25.02 ng/ul

RT: 26.40 min Scan# 3963

Delta R.T. 0.01 min

Lab File: BM013423.D

Acq: 15 Dec 2017 04:14

Instrument :

BNA_M

ClientSampleId :

F9A56

Tgt Ion:276 Resp: 1076177

Ion Ratio Lower Upper

276 100

138 15.7 8.5 12.7#

277 23.9 18.6 28.0

