

Data File : BM013484.D
Acq On : 16 Dec 2017 19:33
Operator : SJ/JU
Sample : I6776-17DL 25X
Misc :
ALS Vial : 41 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9A46DL

Quant Time: Dec 18 03:14:52 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Dec 18 03:13:05 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	205906	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	905754	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	514628	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	1141659	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	957090	20.00	ng/ul	0.00
83) Perylene-d12	23.48	264	797974	20.00	ng/ul	0.00

System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.22	96	659	0.16	ng/uL	0.00
5) Phenol-d5	6.85	99	19327	1.08	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	11422	1.12	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	15580	1.12	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	16735	1.10	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	8386	1.17	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	8350	1.09	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	14254	0.90	ng/ul	0.02
29) 4-Chloroaniline-d4	10.62	131	4660	0.32	ng/ul	0.02
43) Dimethylphthalate-d6	13.73	166	55870	1.22	ng/ul	0.00
46) Acenaphthylene-d8	14.00	160	75212	1.33	ng/ul	0.00
51) 4-Nitrophenol-d4	14.57	143	2756	0.35	ng/ul	0.03
57) Fluorene-d10	15.32	176	50276	1.28	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	2103	0.29	ng/ul	0.01
70) Anthracene-d10	17.16	188	80196	1.40	ng/ul	0.00
76) Pyrene-d10	19.46	212	83221	1.75	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.33	264	58554	1.44	ng/ul	0.00

Target Compounds				Qvalue		
47) Acenaphthylene	14.04	152	133105	2.55	ng/ul	97
69) Phenanthrene	17.20	178	193493	2.98	ng/ul	98
71) Anthracene	17.20	178	193493	2.92	ng/ul	97
74) Fluoranthene	19.13	202	618865	7.79	ng/ul#	91
77) Pyrene	19.49	202	2237074	38.47	ng/ul#	91
80) Benzo(a)anthracene	21.24	228	447439	7.37	ng/ul	99
82) Chrysene	21.29	228	1419086	25.19	ng/ul	98
85) Benzo(b)fluoranthene	22.81	252	1756375	32.65	ng/ul#	98
86) Benzo(k)fluoranthene	22.86	252	547328	10.81	ng/ul#	96
88) Benzo(a)pyrene	23.39	252	641816	13.28	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	25.70	276	349986	7.30	ng/ul#	92
90) Dibenzo(a,h)anthracene	25.71	278	92248	2.26	ng/ul#	90
91) Benzo(g,h,i)perylene	26.39	276	267594	7.08	ng/ul#	93

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

Data File : BM013484.D

Acq On : 16 Dec 2017 19:33

Operator : SJ/JU

Sample : I6776-17DL 25X

Misc :

ALS Vial : 41 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

F9A46DL

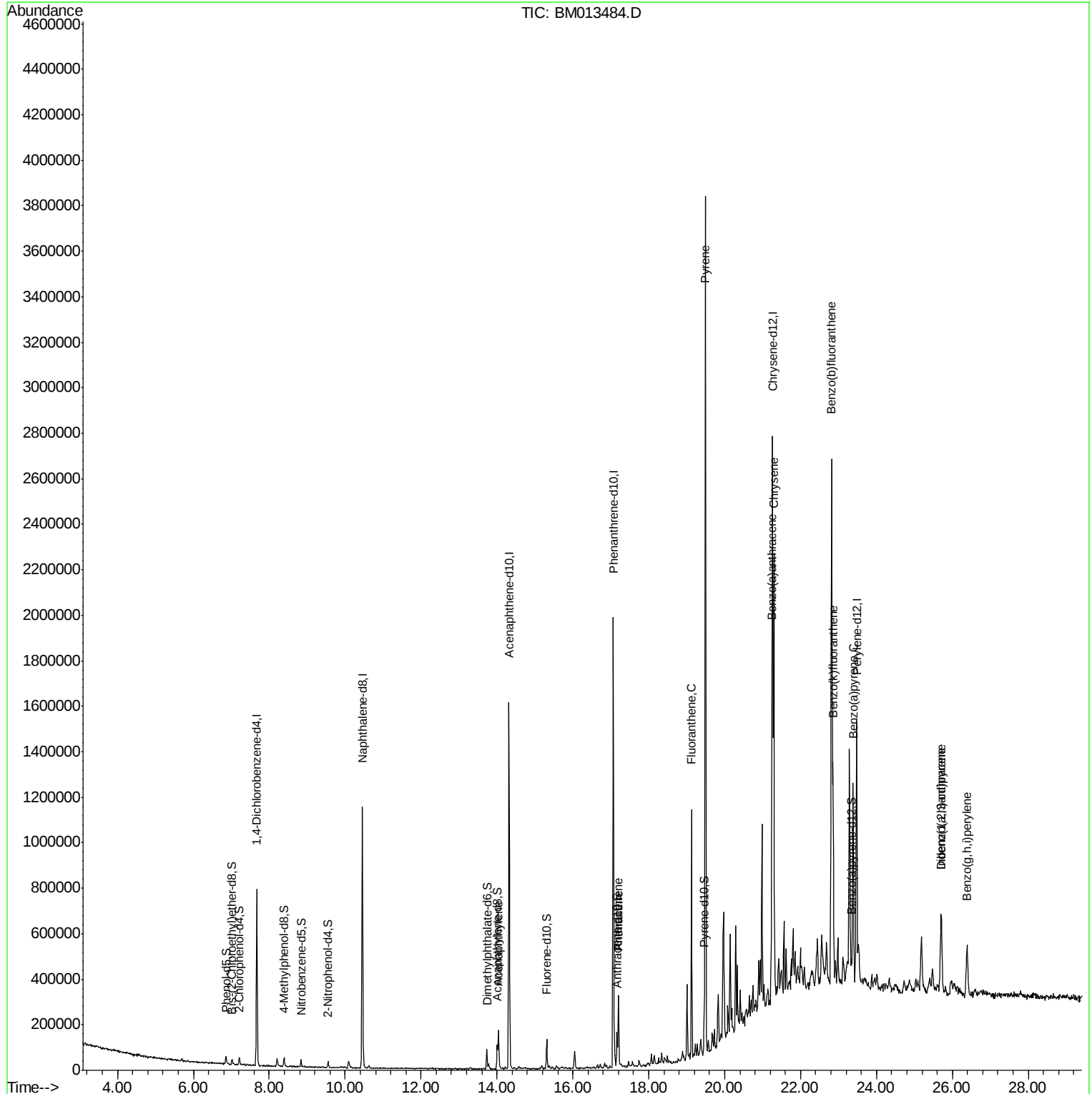
Quant Time: Dec 18 03:14:52 2017

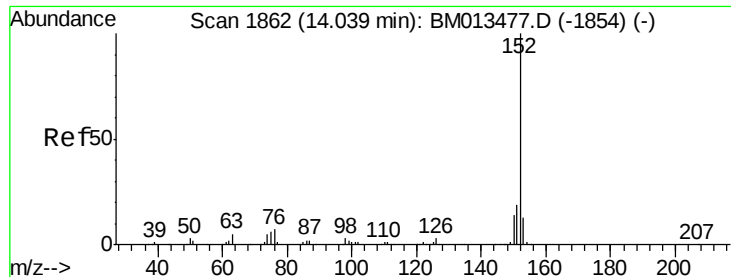
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M

Quant Title : SVOA CALIBRATION

QLast Update : Mon Dec 18 03:13:05 2017

Response via : Initial Calibration





#47

Acenaphthylene

Concen: 2.55 ng/ul

RT: 14.04 min Scan# 1862

Delta R.T. -0.00 min

Lab File: BM013484.D

Acq: 16 Dec 2017 19:33

Instrument :

BNA_M

ClientSampleId :

F9A46DL

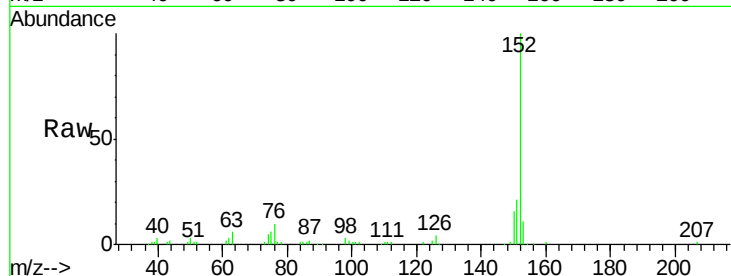
Tgt Ion:152 Resp: 133105

Ion Ratio Lower Upper

152 100

151 21.2 16.3 24.5

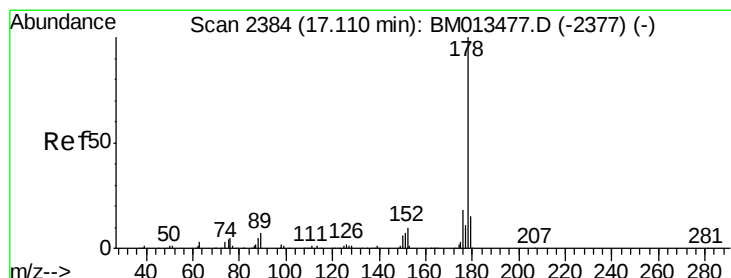
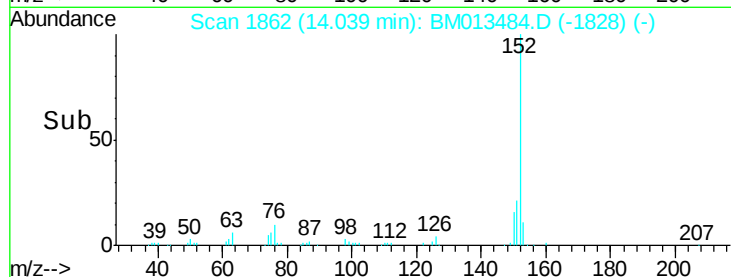
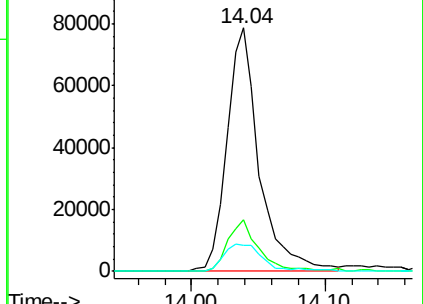
153 10.8 10.2 15.4



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: 2.98 ng/ul

RT: 17.20 min Scan# 2399

Delta R.T. 0.09 min

Lab File: BM013484.D

Acq: 16 Dec 2017 19:33

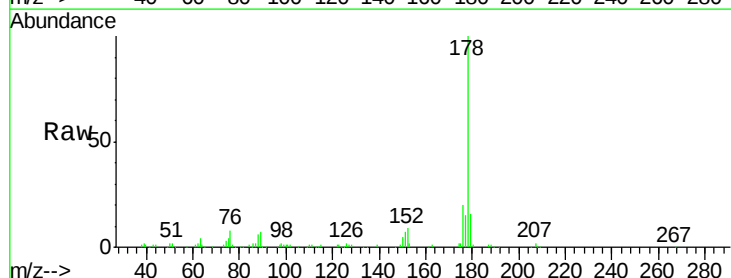
Tgt Ion:178 Resp: 193493

Ion Ratio Lower Upper

178 100

179 15.6 12.6 19.0

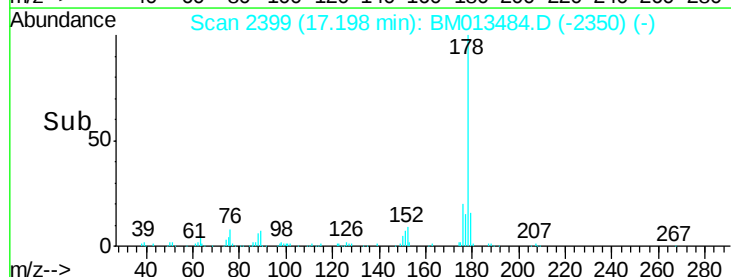
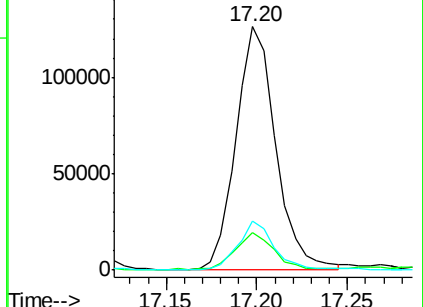
176 20.0 14.9 22.3

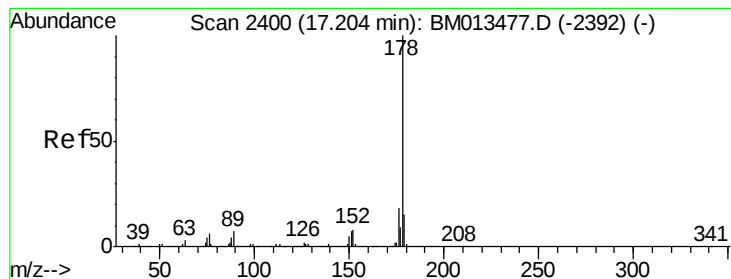


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 2.92 ng/ul

RT: 17.20 min Scan# 2399

Delta R.T. -0.01 min

Lab File: BM013484.D

Acq: 16 Dec 2017 19:33

Instrument :

BNA_M

ClientSampleId :

F9A46DL

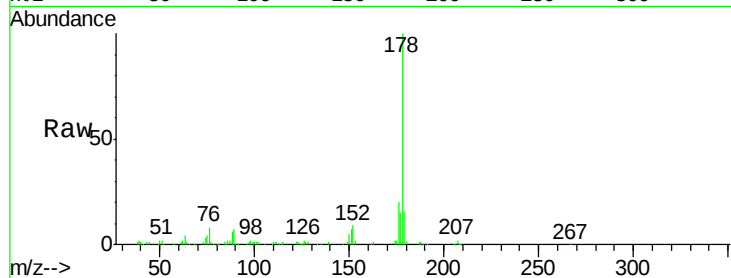
Tgt Ion:178 Resp: 193493

Ion Ratio Lower Upper

178 100

179 15.6 11.7 17.5

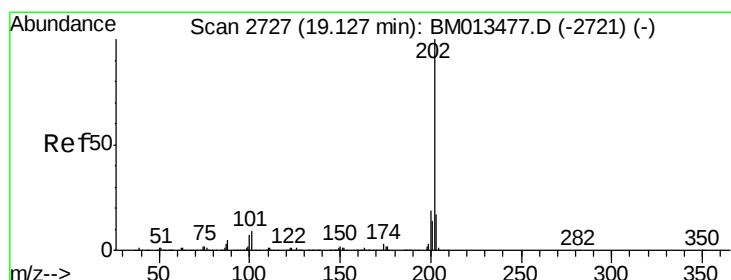
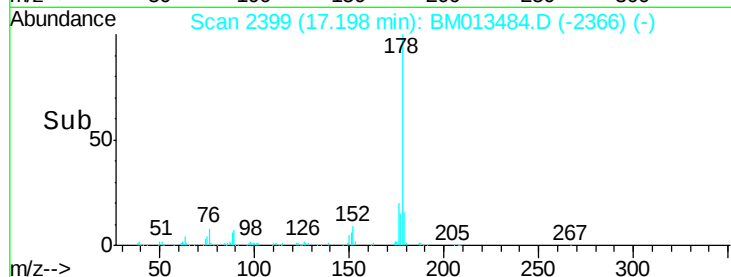
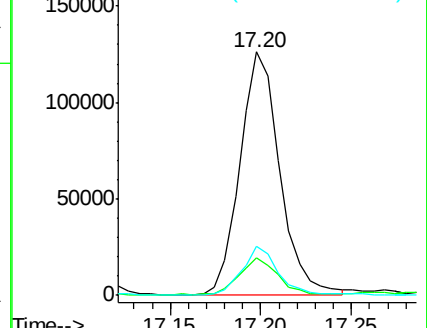
176 20.0 14.6 21.8



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: 7.79 ng/ul

RT: 19.13 min Scan# 2727

Delta R.T. -0.00 min

Lab File: BM013484.D

Acq: 16 Dec 2017 19:33

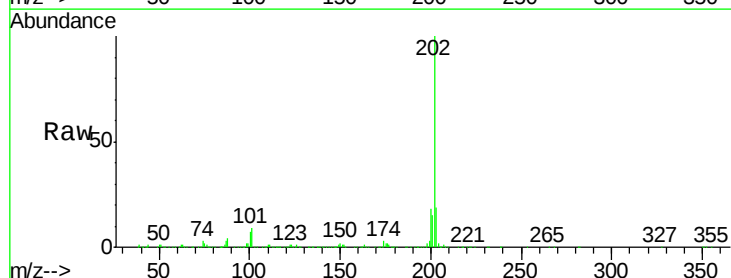
Tgt Ion:202 Resp: 618865

Ion Ratio Lower Upper

202 100

101 9.2 4.6 7.0#

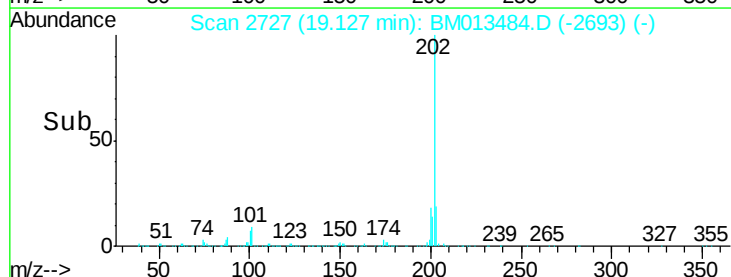
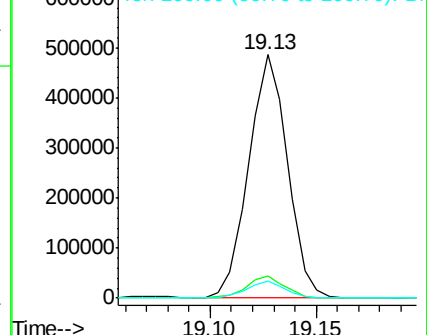
100 6.9 3.4 5.2#

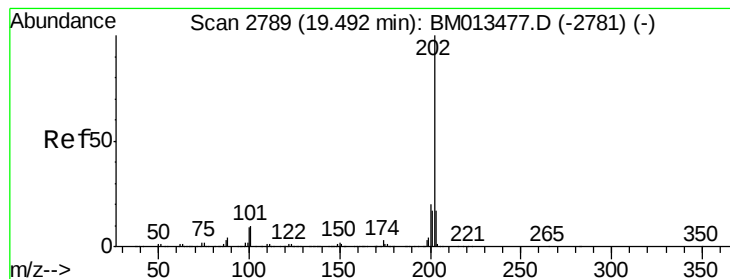


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pyrene

Concen: 38.47 ng/ul

RT: 19.49 min Scan# 2789

Delta R.T. -0.00 min

Lab File: BM013484.D

Acq: 16 Dec 2017 19:33

Instrument :

BNA_M

ClientSampleId :

F9A46DL

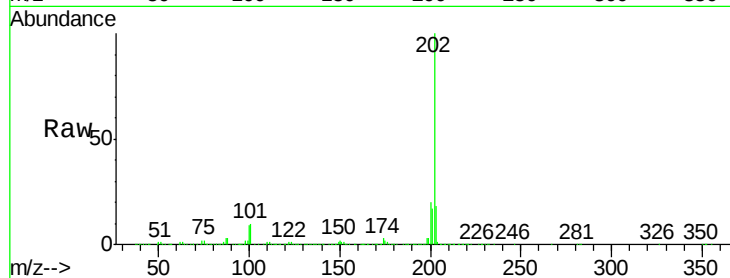
Tgt Ion:202 Resp: 2237074

Ion Ratio Lower Upper

202 100

101 9.9 5.1 7.7#

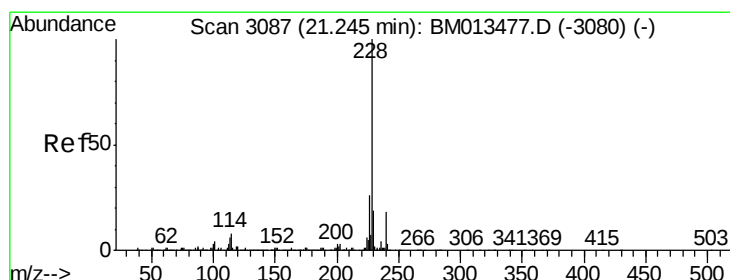
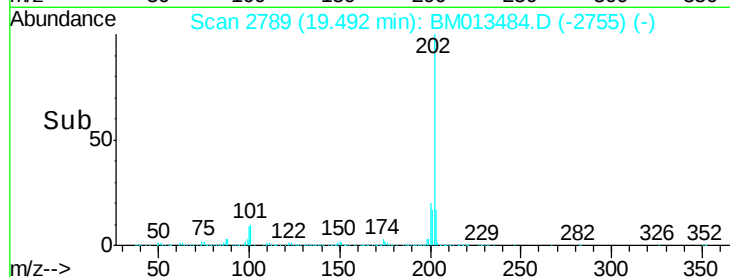
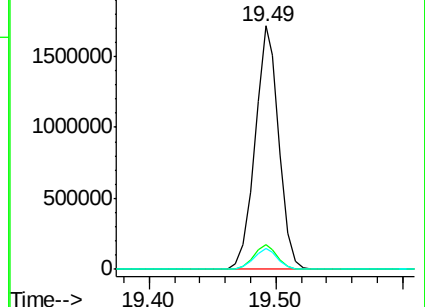
100 8.6 4.9 7.3#



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: 7.37 ng/ul

RT: 21.24 min Scan# 3086

Delta R.T. -0.01 min

Lab File: BM013484.D

Acq: 16 Dec 2017 19:33

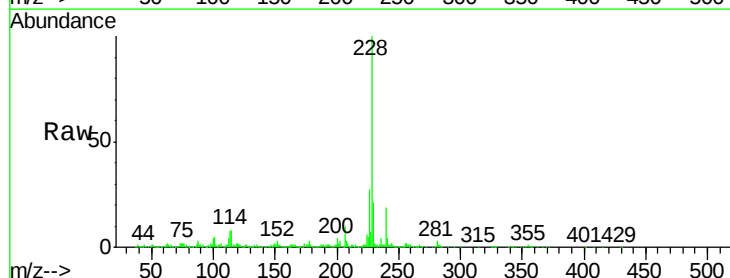
Tgt Ion:228 Resp: 447439

Ion Ratio Lower Upper

228 100

229 20.5 15.4 23.0

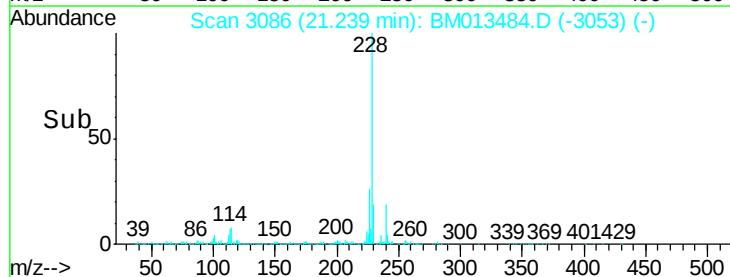
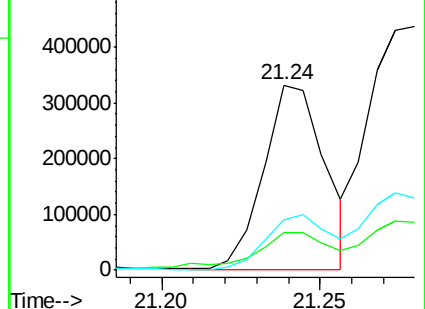
226 26.9 21.4 32.0

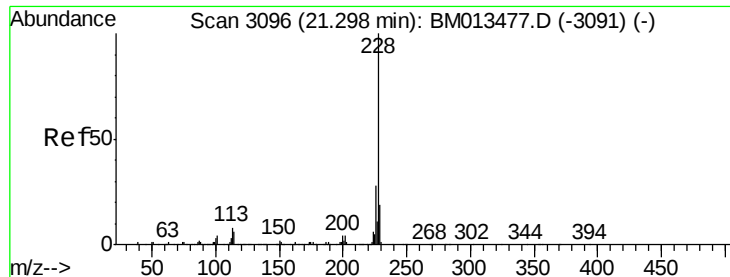


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 25.19 ng/ul

RT: 21.29 min Scan# 3095

Delta R.T. -0.01 min

Lab File: BM013484.D

Acq: 16 Dec 2017 19:33

Instrument :

BNA_M

ClientSampleId :

F9A46DL

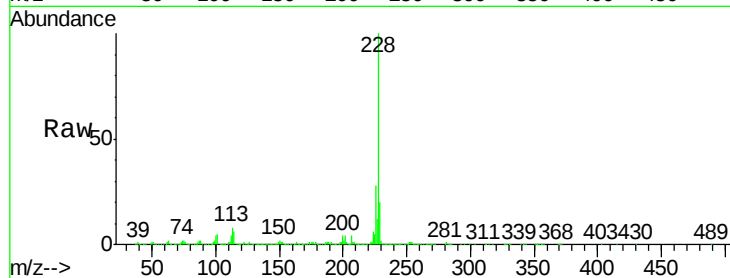
Tgt Ion:228 Resp: 1419086

Ion Ratio Lower Upper

228 100

226 27.7 23.4 35.2

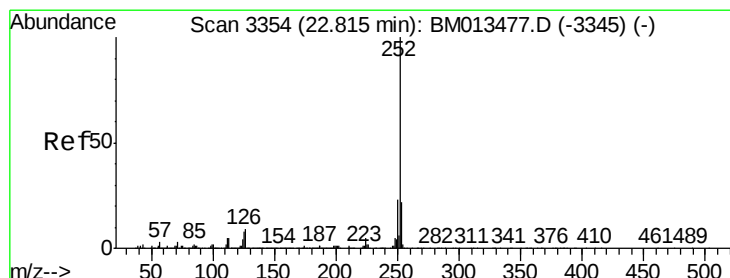
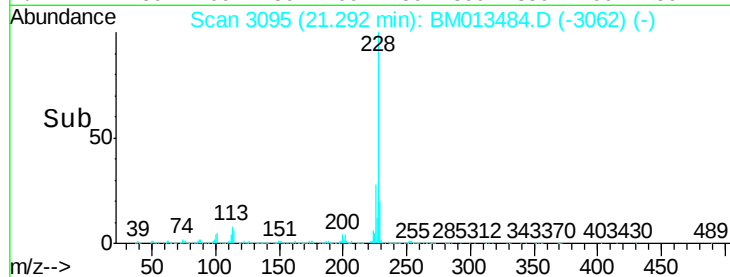
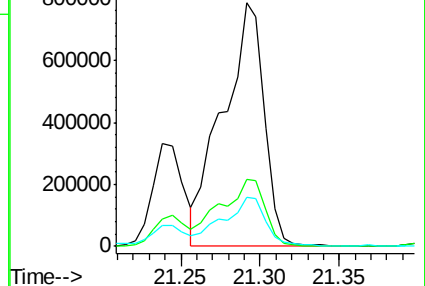
229 20.0 15.5 23.3



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: 32.65 ng/ul

RT: 22.81 min Scan# 3354

Delta R.T. -0.00 min

Lab File: BM013484.D

Acq: 16 Dec 2017 19:33

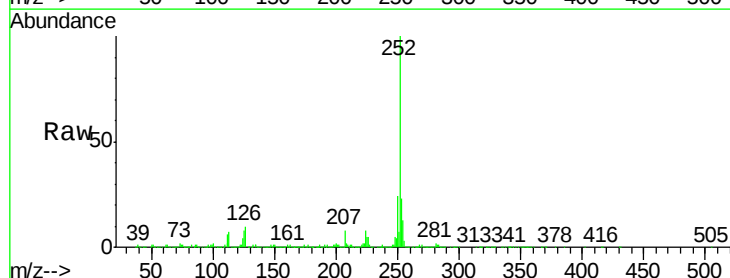
Tgt Ion:252 Resp: 1756375

Ion Ratio Lower Upper

252 100

253 22.8 17.9 26.9

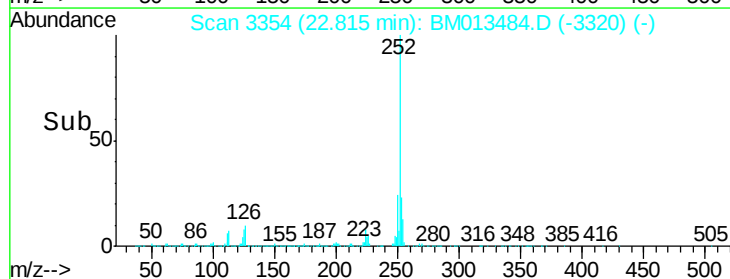
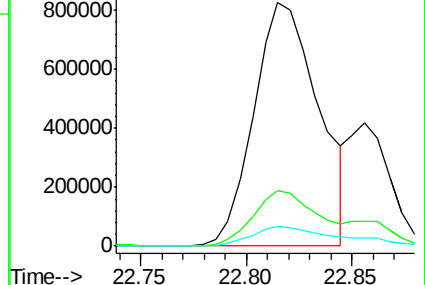
125 7.9 3.6 5.4#

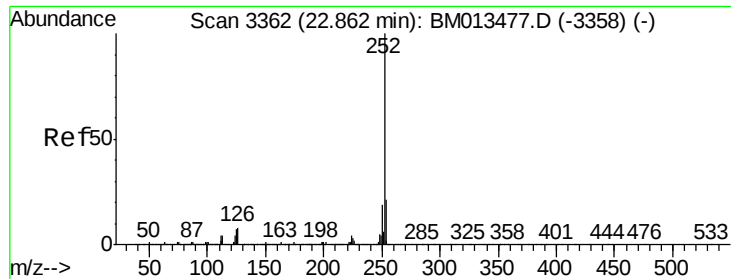


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 10.81 ng/ul

RT: 22.86 min Scan# 3361

Delta R.T. -0.01 min

Lab File: BM013484.D

Acq: 16 Dec 2017 19:33

Instrument :

BNA_M

ClientSampleId :

F9A46DL

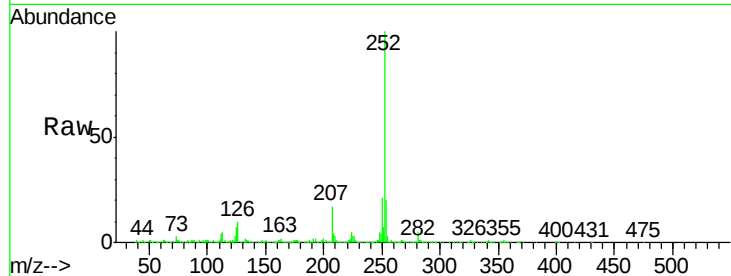
Tgt Ion:252 Resp: 547328

Ion Ratio Lower Upper

252 100

253 20.1 17.1 25.7

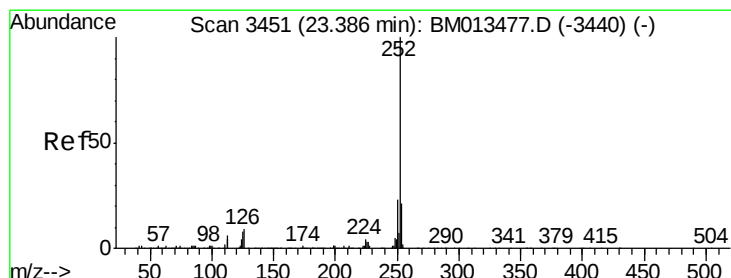
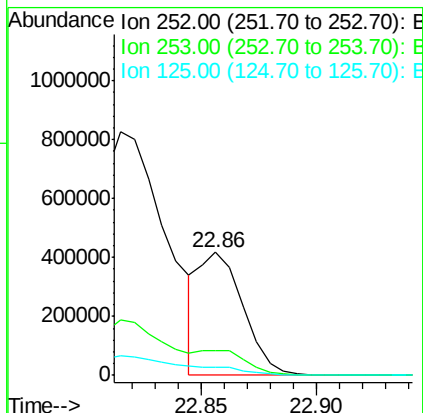
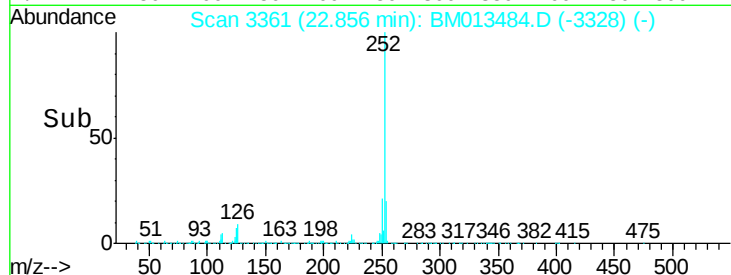
125 6.8 3.4 5.2#



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: 13.28 ng/ul

RT: 23.39 min Scan# 3451

Delta R.T. -0.00 min

Lab File: BM013484.D

Acq: 16 Dec 2017 19:33

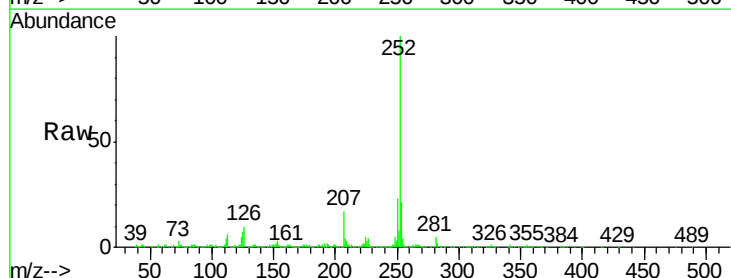
Tgt Ion:252 Resp: 641816

Ion Ratio Lower Upper

252 100

253 21.0 18.2 27.2

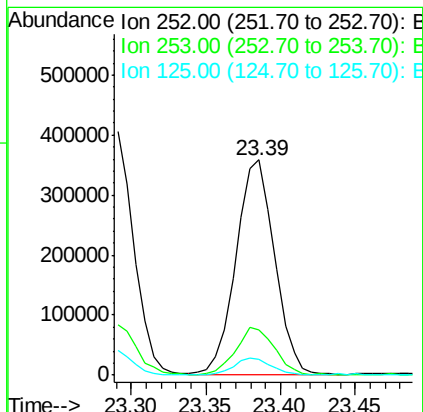
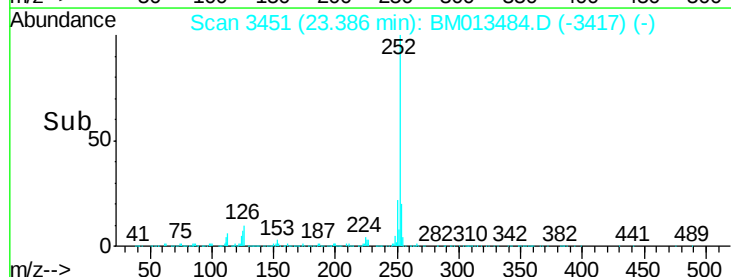
125 7.3 4.0 6.0#

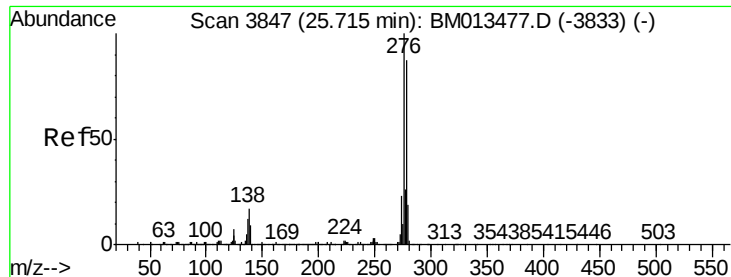


Abundance Ion 252.00 (251.70 to 252.70): E

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: 7.30 ng/ul

RT: 25.70 min Scan# 3845

Delta R.T. -0.01 min

Lab File: BM013484.D

Acq: 16 Dec 2017 19:33

Instrument :

BNA_M

ClientSampleId :

F9A46DL

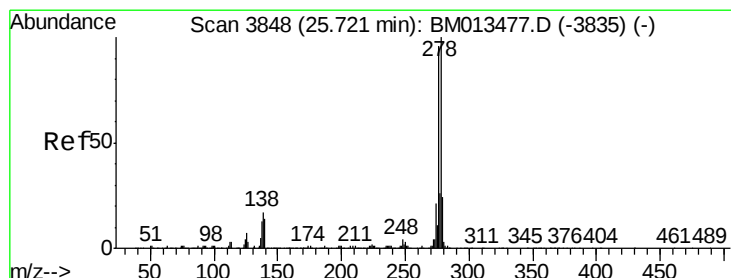
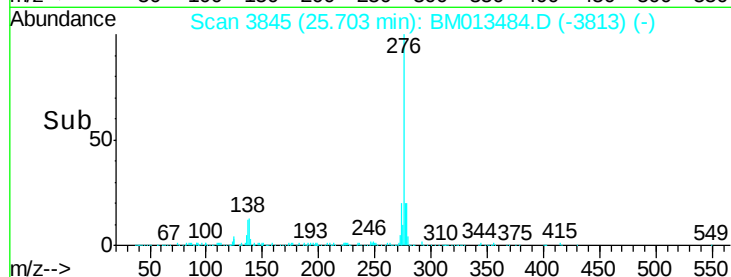
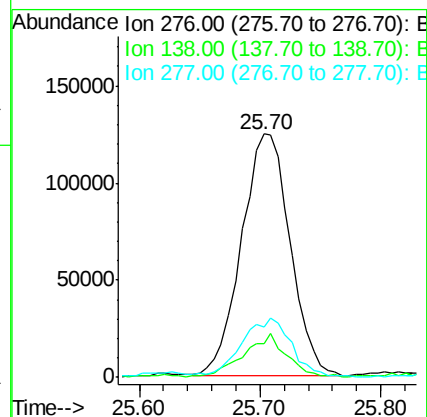
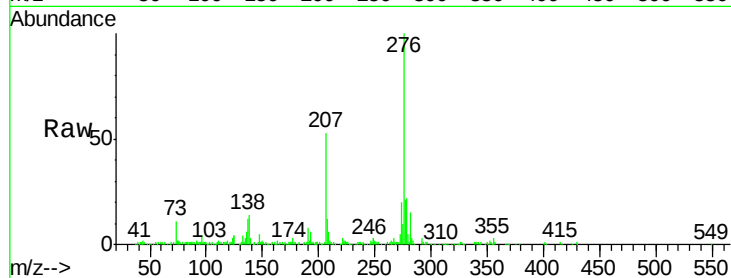
Tgt Ion:276 Resp: 349986

Ion Ratio Lower Upper

276 100

138 14.1 9.3 13.9#

277 20.6 19.9 29.9



#90

Dibenzo(a,h)anthracene

Concen: 2.26 ng/ul

RT: 25.71 min Scan# 3847

Delta R.T. -0.01 min

Lab File: BM013484.D

Acq: 16 Dec 2017 19:33

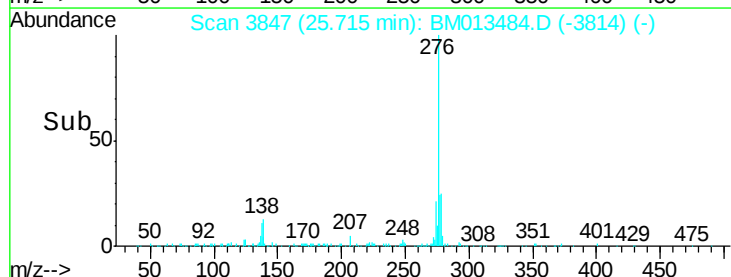
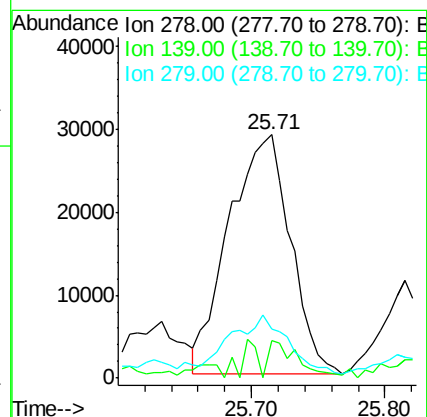
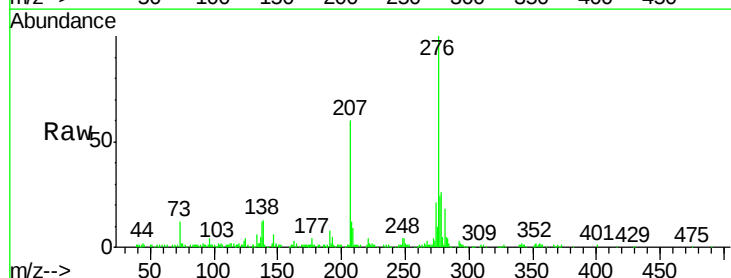
Tgt Ion:278 Resp: 92248

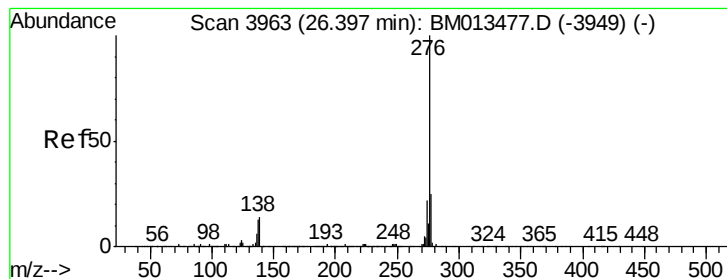
Ion Ratio Lower Upper

278 100

139 15.6 5.8 8.8#

279 20.2 18.6 27.8





#91

Benzo(g,h,i)perylene

Concen: 7.08 ng/ul

RT: 26.39 min Scan# 3961

Delta R.T. -0.01 min

Lab File: BM013484.D

Acq: 16 Dec 2017 19:33

Instrument :

BNA_M

ClientSampleId :

F9A46DL

Tgt Ion:276 Resp: 267594

Ion Ratio Lower Upper

276 100

138 17.9 8.5 12.7#

277 23.7 18.6 28.0

