

Data Path : Z:\HPCHEM1\BNA M\DATA\BM120617\
 Data File : BM013232.D
 Acq On : 07 Dec 2017 04:41
 Operator : SJ/JU
 Sample : I6647-02 5X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0248DL

Quant Time: Dec 07 06:30:10 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Dec 07 04:35:17 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	336928	20.00	ng/ul	0.00
18) Naphthalene-d8	10.48	136	1458918	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.34	164	865576	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.09	188	1933468	20.00	ng/ul	0.00
75) Chrysene-d12	21.28	240	1520983	20.00	ng/ul	0.00
83) Perylene-d12	23.51	264	1265550	20.00	ng/ul	0.00

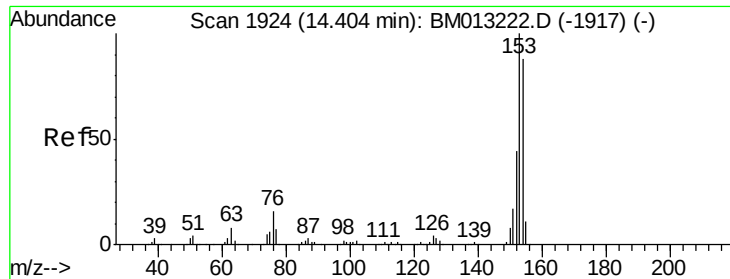
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.25	96	2877	0.42	ng/uL	0.00
5) Phenol-d5	6.87	99	71589	2.46	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.04	67	41514	2.50	ng/ul	0.00
9) 2-Chlorophenol-d4	7.24	132	57313	2.52	ng/ul	0.00
13) 4-Methylphenol-d8	8.41	113	58648	2.35	ng/ul	0.00
19) Nitrobenzene-d5	8.85	128	29741	2.57	ng/ul	0.00
22) 2-Nitrophenol-d4	9.57	143	29141	2.35	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	62278	2.44	ng/ul	0.00
29) 4-Chloroaniline-d4	10.62	131	57461	2.45	ng/ul	0.00
43) Dimethylphthalate-d6	13.75	166	192407	2.50	ng/ul	0.00
46) Acenaphthylene-d8	14.03	160	250880	2.64	ng/ul	0.00
51) 4-Nitrophenol-d4	14.56	143	21604	1.61	ng/ul	0.00
57) Fluorene-d10	15.34	176	176734	2.67	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	9549	0.79	ng/ul	0.00
70) Anthracene-d10	17.19	188	269658	2.78	ng/ul	0.00
76) Pyrene-d10	19.49	212	267939	3.54	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.36	264	172872	2.68	ng/ul	0.00

Target Compounds

				Ovalue	
49) Acenaphthene	14.40	153	69307	1.157	ng/ul 91
58) Fluorene	15.39	166	105529	1.442	ng/ul# 95
69) Phenanthrene	17.13	178	1353611	12.323	ng/ul 99
71) Anthracene	17.22	178	124248	1.107	ng/ul 96
74) Fluoranthene	19.15	202	1736897	12.903	ng/ul# 93
77) Pyrene	19.52	202	1481725	16.035	ng/ul# 93
80) Benzo(a)anthracene	21.26	228	399117	4.136	ng/ul 94
82) Chrysene	21.32	228	566089	6.323	ng/ul 95
85) Benzo(b)fluoranthene	22.84	252	515167	6.039	ng/ul# 89
86) Benzo(k)fluoranthene	22.84	252	515167	6.417	ng/ul# 87
88) Benzo(a)pyrene	23.41	252	285347	3.723	ng/ul# 92
89) Indeno(1,2,3-cd)pyrene	25.75	276	209923	2.761	ng/ul# 97
91) Benzo(g,h,i)perylene	26.44	276	220507	3.676	ng/ul# 89

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



#49

Acenaphthene

Concen: 1.157 ng/ul

RT: 14.40 min Scan# 1924

Delta R.T. -0.00 min

Lab File: BM013232.D

Acq: 07 Dec 2017 04:41

Instrument :

BNA_M

ClientSampleId :

C0248DL

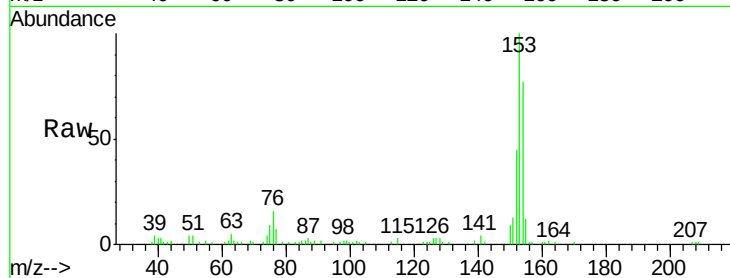
Tot Ion:153 Resp: 69307

Ion Ratio Lower Upper

153 100

152 45.3 37.6 56.4

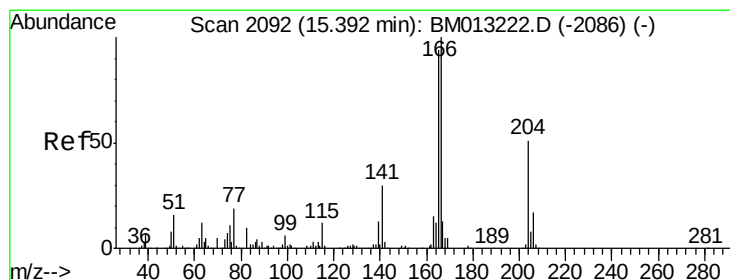
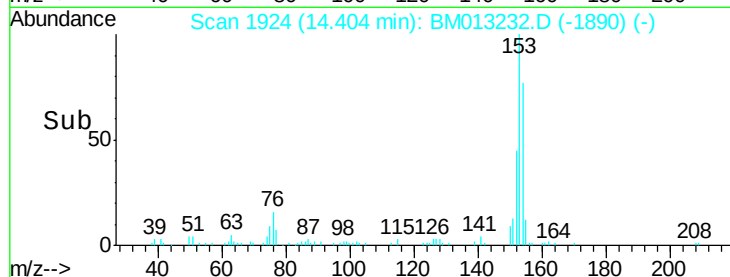
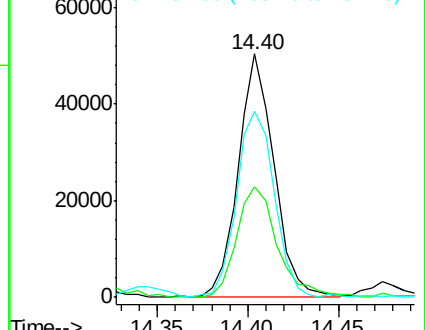
154 76.6 70.4 105.6



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: 1.442 ng/ul

RT: 15.39 min Scan# 2092

Delta R.T. -0.00 min

Lab File: BM013232.D

Acq: 07 Dec 2017 04:41

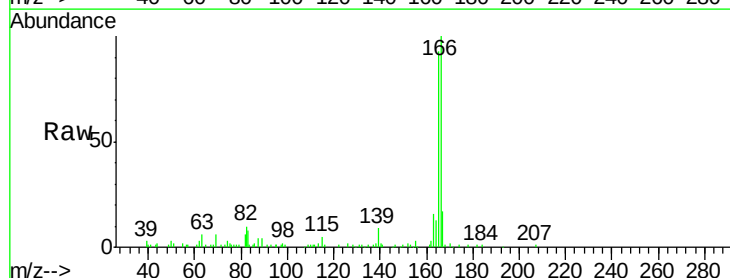
Tgt Ion:166 Resp: 105529

Ion Ratio Lower Upper

166 100

165 92.7 77.9 116.9

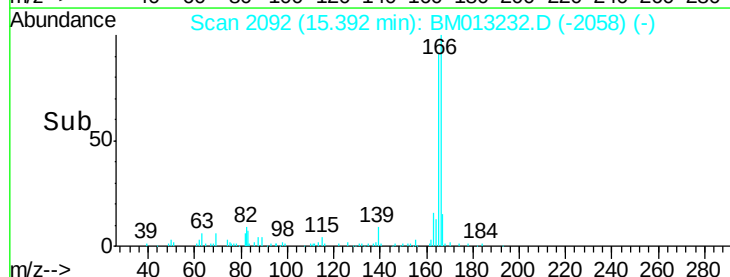
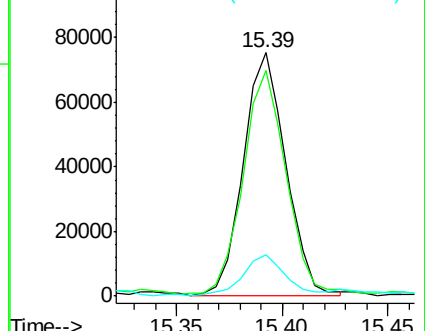
167 16.8 10.6 16.0#

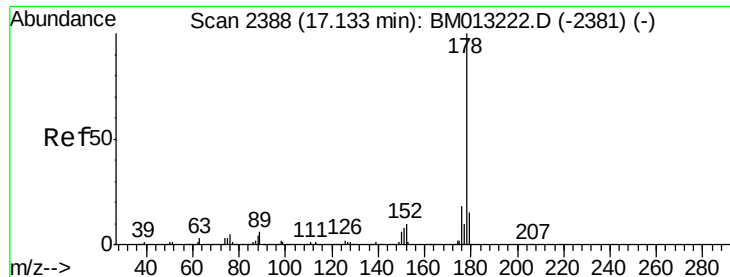


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 12.323 ng/ul

RT: 17.13 min Scan# 2388

Delta R.T. -0.00 min

Lab File: BM013232.D

Acq: 07 Dec 2017 04:41

Instrument :

BNA_M

ClientSampleId :

C0248DL

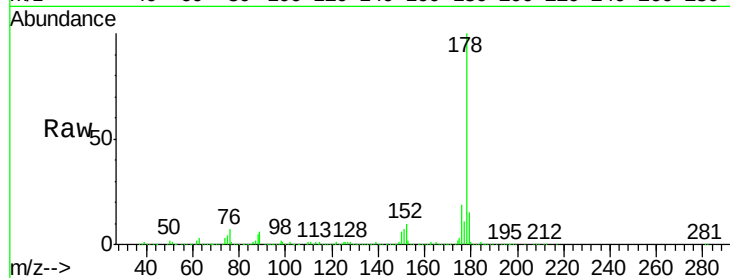
Tot Ion:178 Resp: 1353611

Ion Ratio Lower Upper

178 100

179 15.2 12.6 19.0

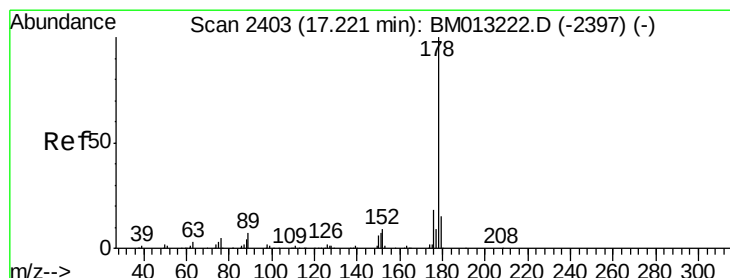
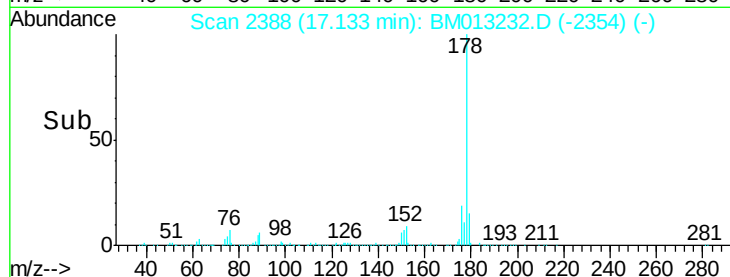
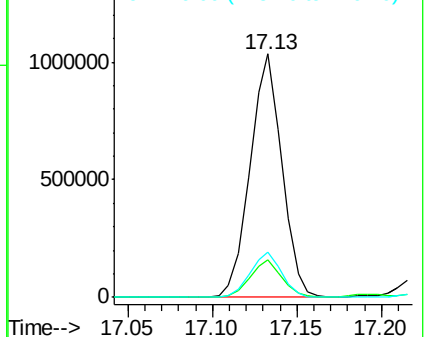
176 18.6 14.9 22.3



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: 1.107 ng/ul

RT: 17.22 min Scan# 2403

Delta R.T. -0.00 min

Lab File: BM013232.D

Acq: 07 Dec 2017 04:41

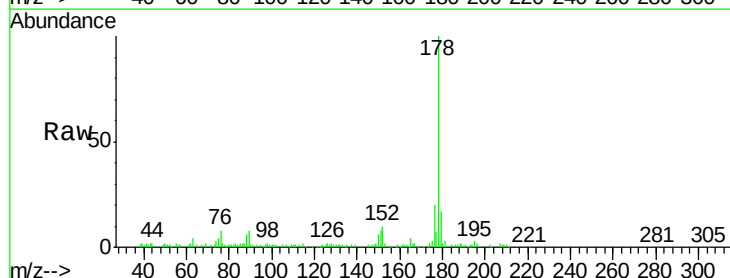
Tgt Ion:178 Resp: 124248

Ion Ratio Lower Upper

178 100

179 16.9 11.7 17.5

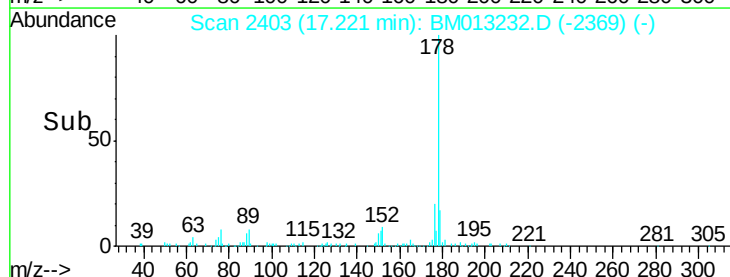
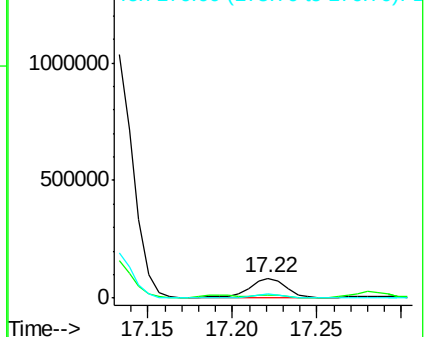
176 19.7 14.6 21.8

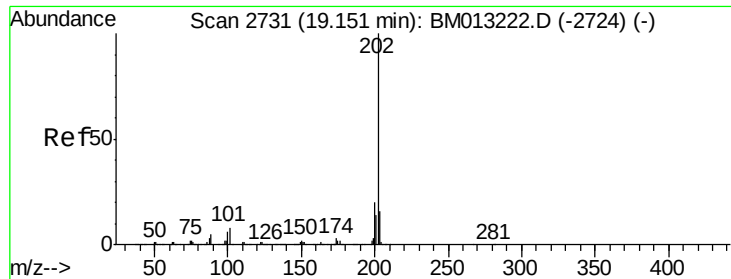


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

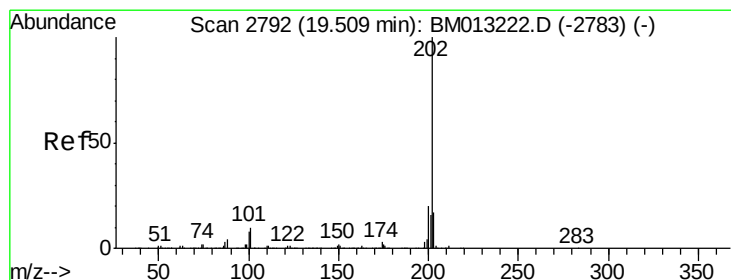
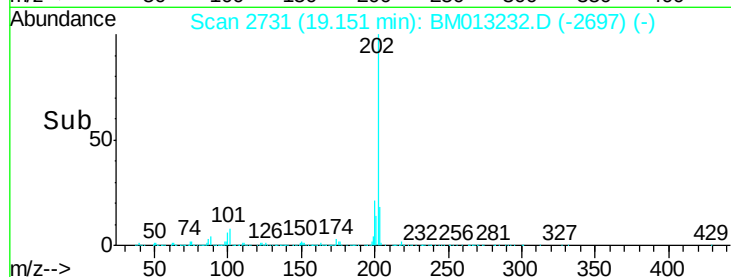
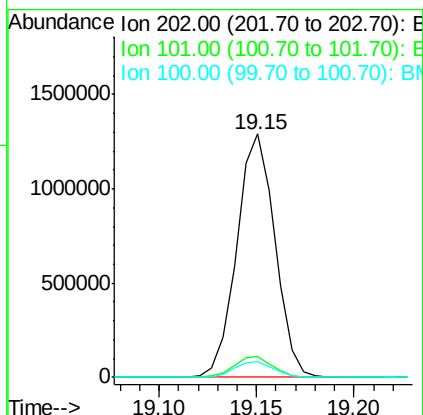
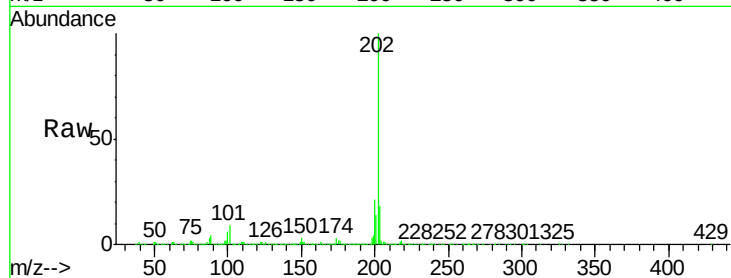




#74
Fluoranthene
Concen: 12.903 ng/ul
RT: 19.15 min Scan# 2731
Delta R.T. -0.00 min
Lab File: BM013232.D
Acq: 07 Dec 2017 04:41

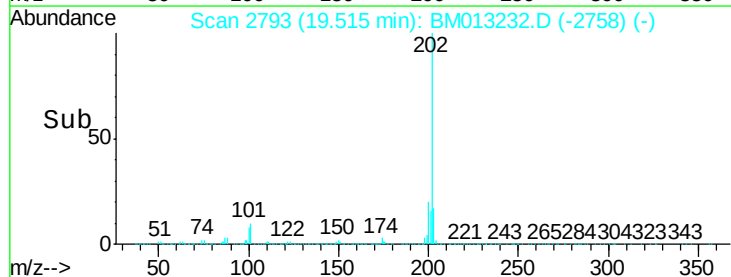
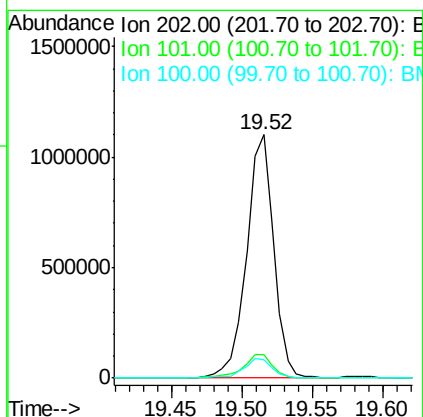
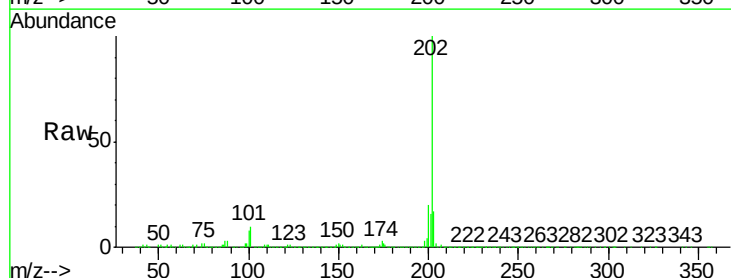
Instrument :
BNA_M
ClientSampleId :
C0248DL

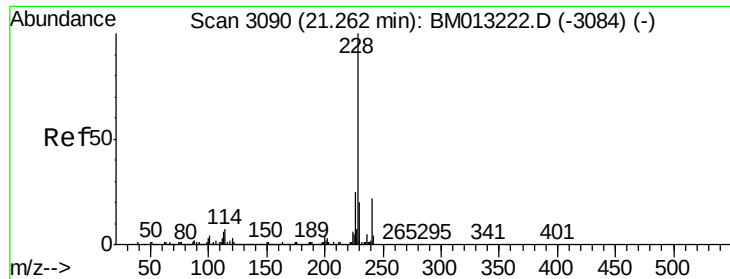
Tot Ion:202 Resp: 1736897
Ion Ratio Lower Upper
202 100
101 8.6 4.6 7.0#
100 6.4 3.4 5.2#



#77
Pyrene
Concen: 16.035 ng/ul
RT: 19.52 min Scan# 2793
Delta R.T. 0.01 min
Lab File: BM013232.D
Acq: 07 Dec 2017 04:41

Tgt Ion:202 Resp: 1481725
Ion Ratio Lower Upper
202 100
101 9.5 5.1 7.7#
100 7.6 4.9 7.3#





#80

Benzo(a)anthracene

Concen: 4.136 ng/ul

RT: 21.26 min Scan# 3090

Delta R.T. -0.00 min

Lab File: BM013232.D

Acq: 07 Dec 2017 04:41

Instrument :

BNA_M

ClientSampleId :

C0248DL

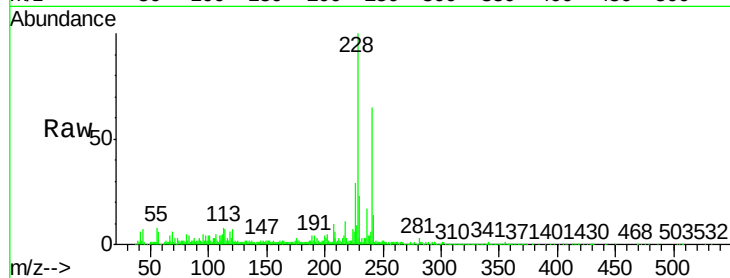
Tot Ion:228 Resp: 399117

Ion Ratio Lower Upper

228 100

229 22.5 15.4 23.0

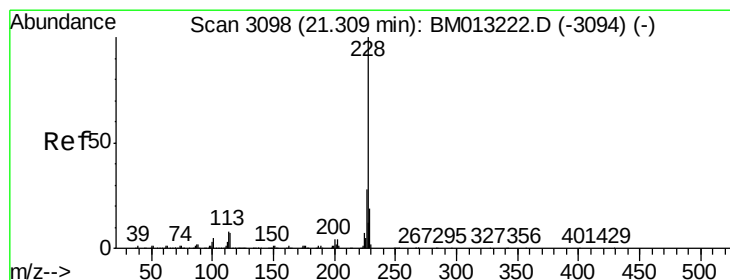
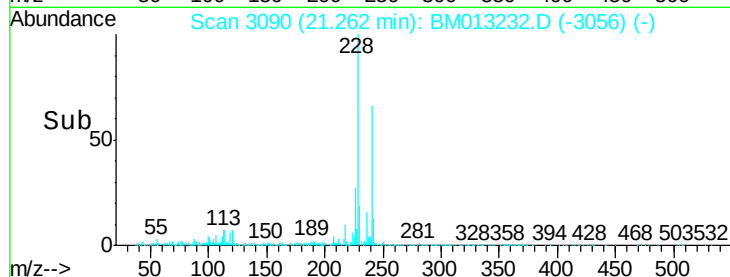
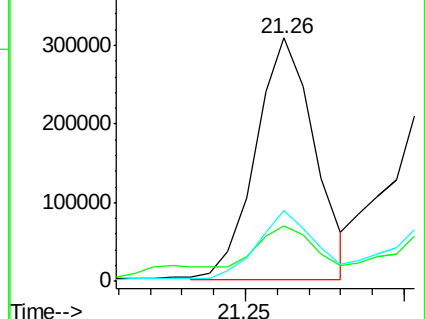
226 29.0 21.4 32.0



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: 6.323 ng/ul

RT: 21.32 min Scan# 3099

Delta R.T. 0.01 min

Lab File: BM013232.D

Acq: 07 Dec 2017 04:41

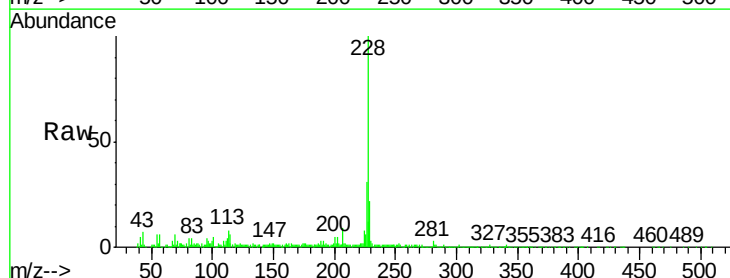
Tgt Ion:228 Resp: 566089

Ion Ratio Lower Upper

228 100

226 31.3 23.4 35.2

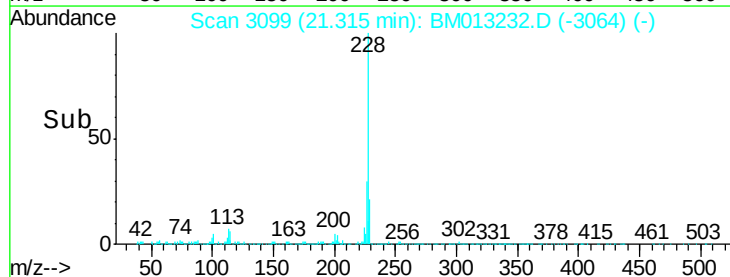
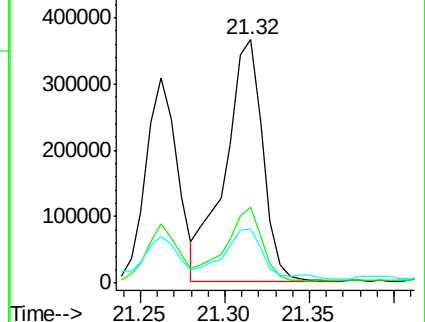
229 22.5 15.5 23.3

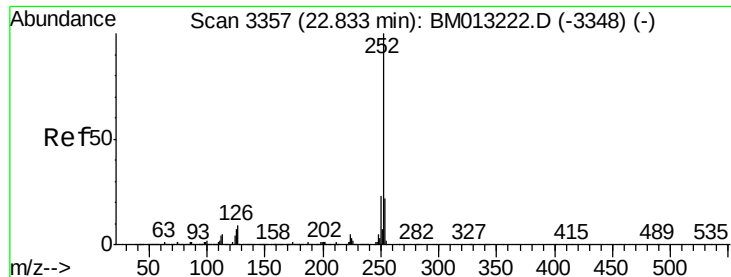


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 6.039 ng/ul

RT: 22.84 min Scan# 3358

Delta R.T. 0.01 min

Lab File: BM013232.D

Acq: 07 Dec 2017 04:41

Instrument :

BNA_M

ClientSampleId :

C0248DL

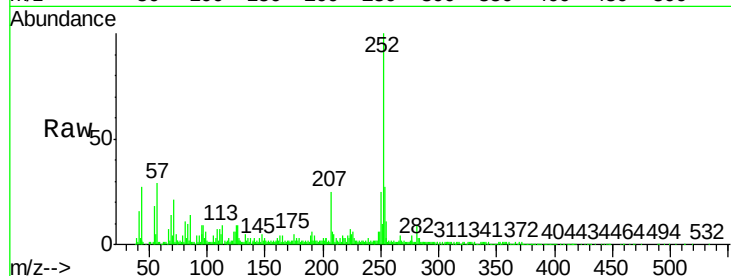
Tot Ion:252 Resp: 515167

Ion Ratio Lower Upper

252 100

253 27.3 17.9 26.9#

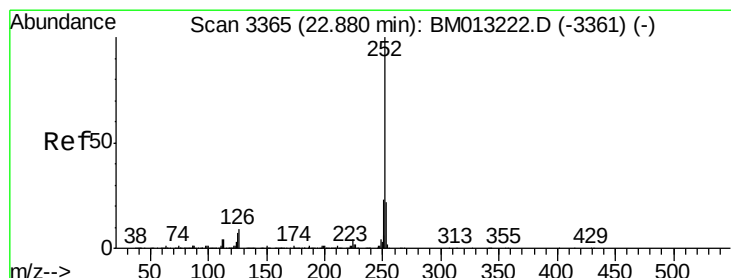
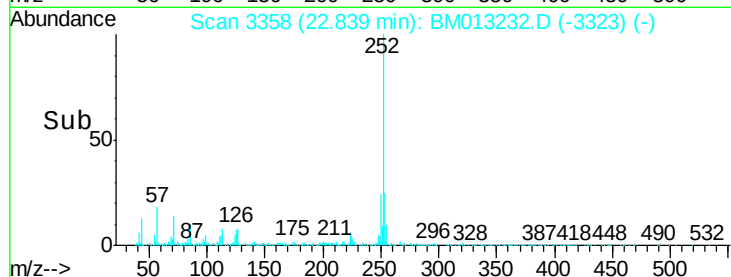
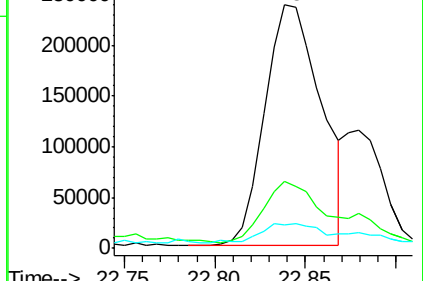
125 9.5 3.6 5.4#



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: 6.417 ng/ul

RT: 22.84 min Scan# 3358

Delta R.T. -0.04 min

Lab File: BM013232.D

Acq: 07 Dec 2017 04:41

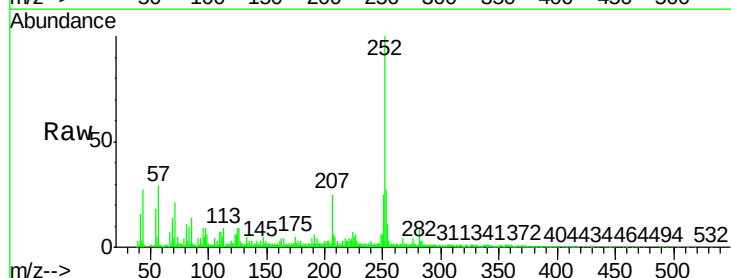
Tgt Ion:252 Resp: 515167

Ion Ratio Lower Upper

252 100

253 27.3 17.1 25.7#

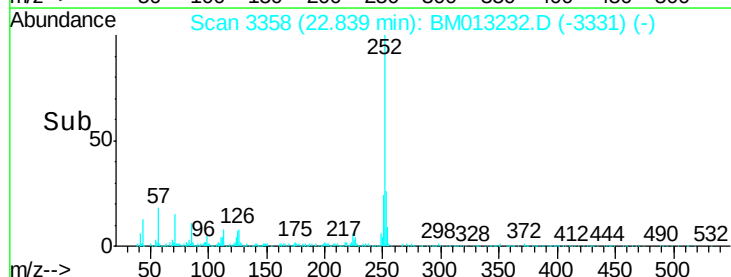
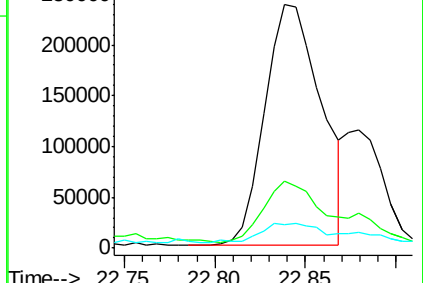
125 9.5 3.4 5.2#

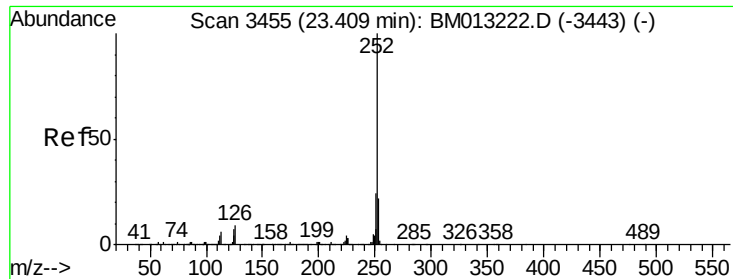


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 3.723 ng/ul

RT: 23.41 min Scan# 3455

Delta R.T. -0.00 min

Lab File: BM013232.D

Acq: 07 Dec 2017 04:41

Instrument :

BNA_M

ClientSampleId :

C0248DL

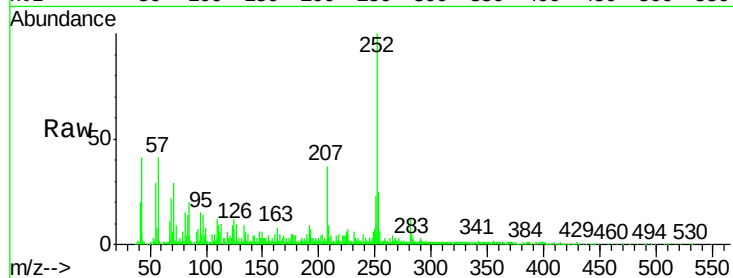
Tot Ion:252 Resp: 285347

Ion Ratio Lower Upper

252 100

253 25.5 18.2 27.2

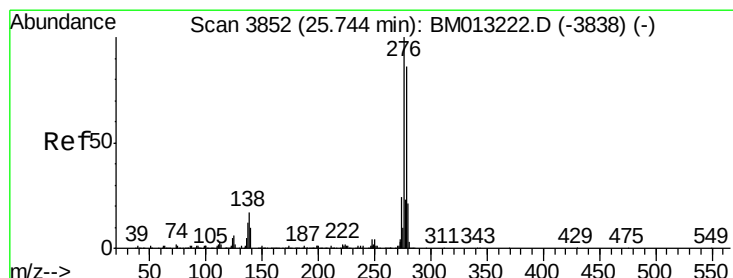
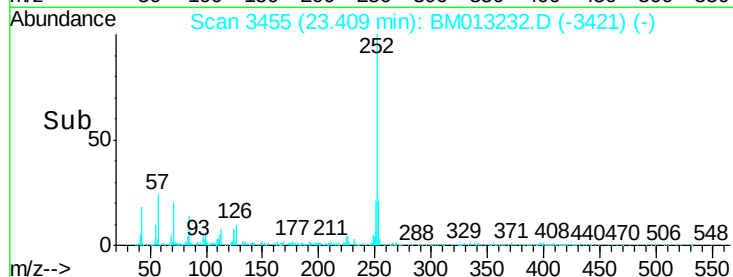
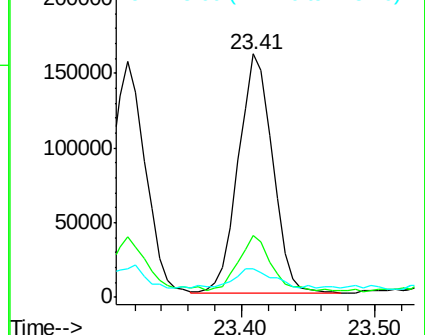
125 11.8 4.0 6.0#



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: 2.761 ng/ul

RT: 25.75 min Scan# 3853

Delta R.T. 0.01 min

Lab File: BM013232.D

Acq: 07 Dec 2017 04:41

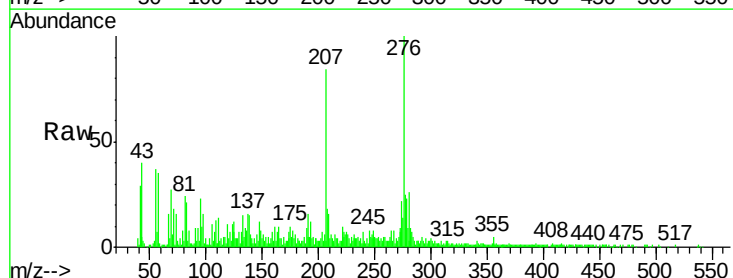
Tgt Ion:276 Resp: 209923

Ion Ratio Lower Upper

276 100

138 15.0 9.3 13.9#

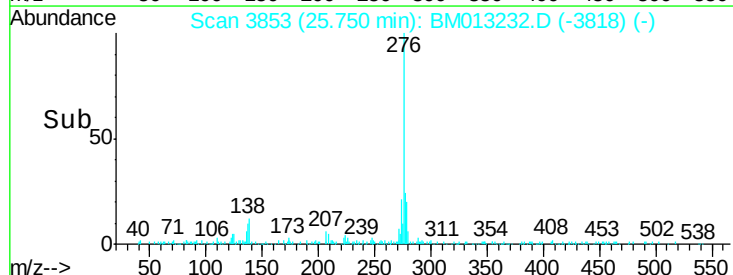
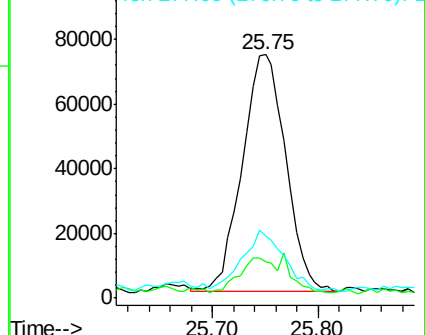
277 25.4 19.9 29.9

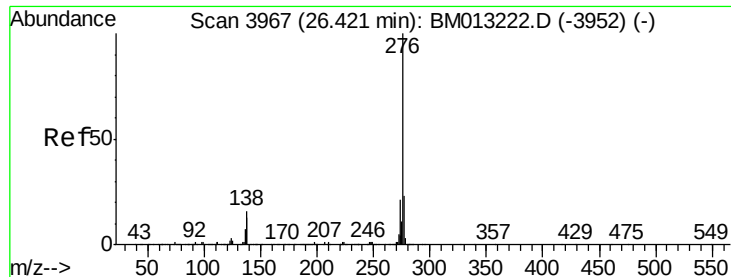


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#91

Benzo(a,h,i)perylene

Concen: 3.676 ng/ul

RT: 26.44 min Scan# 3970

Delta R.T. 0.02 min

Lab File: BM013232.D

Acq: 07 Dec 2017 04:41

Instrument :

BNA_M

ClientSampleId :

C0248DL

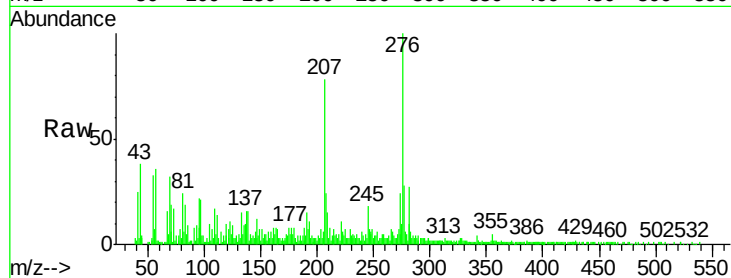
Tot Ion:276 Resp: 220507

Ion Ratio Lower Upper

276 100

138 16.3 8.5 12.7#

277 28.0 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

