

Data Path : Z:\HPCHEM1\BNA M\DATA\BM120617\
 Data File : BM013231.D
 Acq On : 07 Dec 2017 04:05
 Operator : SJ/JU
 Sample : I6647-11 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0279

Quant Time: Dec 07 04:48:54 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	279992	20.00	ng/ul	0.00
18) Naphthalene-d8	10.48	136	1229566	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.34	164	726087	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.09	188	1607387	20.00	ng/ul	0.00
75) Chrysene-d12	21.27	240	1360644	20.00	ng/ul	0.00
83) Perylene-d12	23.51	264	1084684	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.24	96	4176	0.74	ng/uL	0.00
5) Phenol-d5	6.87	99	125467	5.18	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.04	67	74431	5.39	ng/ul	0.00
9) 2-Chlorophenol-d4	7.23	132	100133	5.29	ng/ul	0.00
13) 4-Methylphenol-d8	8.40	113	105691	5.11	ng/ul	0.00
19) Nitrobenzene-d5	8.86	128	50154	5.14	ng/ul	0.00
22) 2-Nitrophenol-d4	9.57	143	54634	5.23	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	110500	5.14	ng/ul	0.00
29) 4-Chloroaniline-d4	10.62	131	123167	6.23	ng/ul	0.00
43) Dimethylphthalate-d6	13.75	166	351933	5.45	ng/ul	0.00
46) Acenaphthylene-d8	14.03	160	460983	5.78	ng/ul	0.00
51) 4-Nitrophenol-d4	14.56	143	44621	3.97	ng/ul	0.00
57) Fluorene-d10	15.34	176	314357	5.66	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	20517	2.03	ng/ul	0.00
70) Anthracene-d10	17.19	188	481349	5.98	ng/ul	0.00
76) Pyrene-d10	19.49	212	492134	7.26	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.36	264	317141	5.74	ng/ul	0.00

Target Compounds

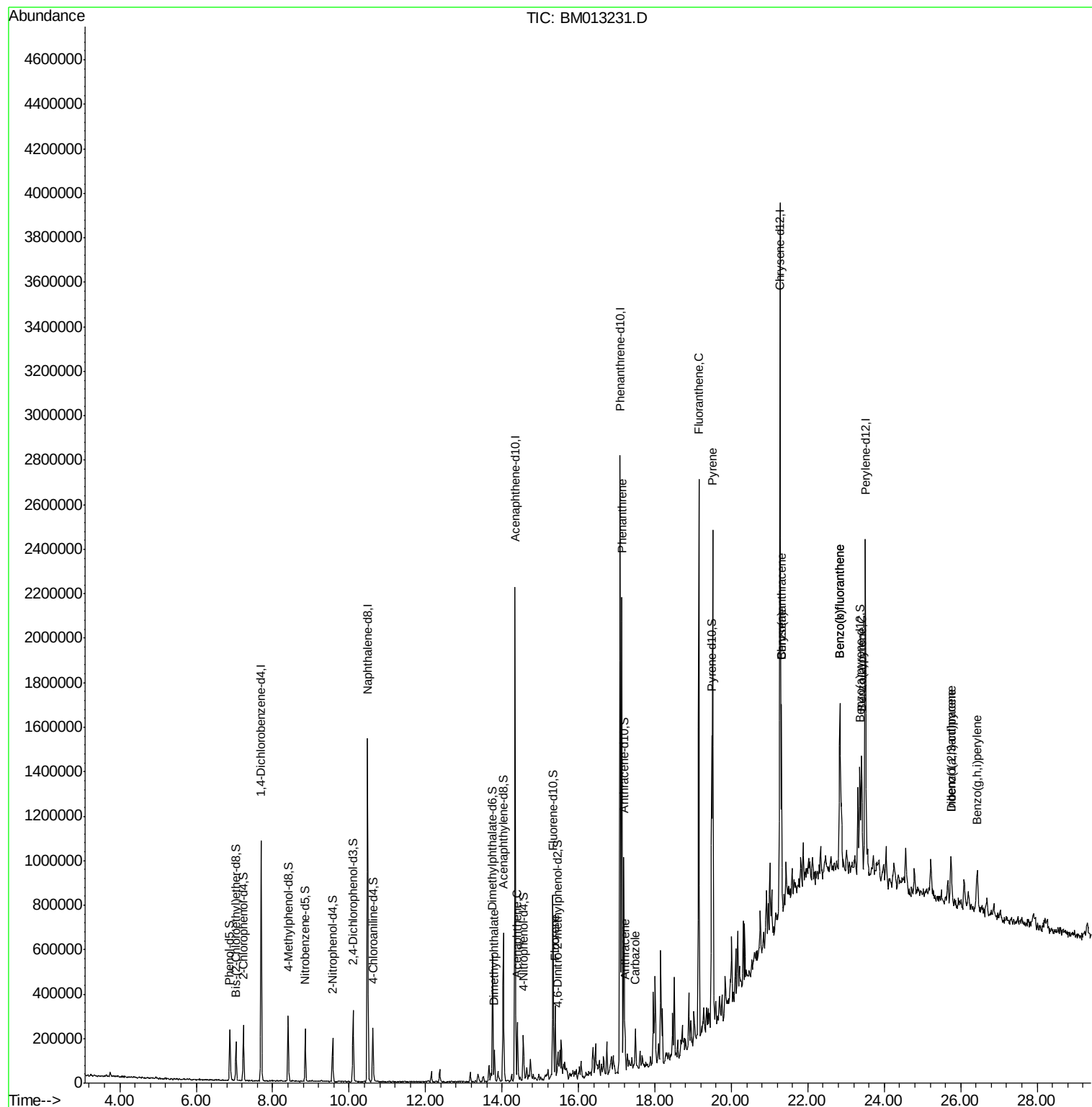
					Ovalue	
44) Dimethylphthalate	13.80	163	82267	1.331	ng/ul#	97
49) Acenaphthene	14.40	153	95692	1.904	ng/ul	96
58) Fluorene	15.39	166	134037	2.183	ng/ul#	98
69) Phenanthrene	17.13	178	1258497	13.781	ng/ul	99
71) Anthracene	17.22	178	120485	1.291	ng/ul	98
72) Carbazole	17.49	167	85842	1.069	ng/ul	96
74) Fluoranthene	19.15	202	1476642	13.195	ng/ul#	94
77) Pyrene	19.52	202	1351757	16.353	ng/ul#	94
80) Benzo(a)anthracene	21.31	228	545953	6.324	ng/ul	96
82) Chrysene	21.31	228	545953	6.817	ng/ul	95
85) Benzo(b)fluoranthene	22.84	252	545781	7.464	ng/ul#	94
86) Benzo(k)fluoranthene	22.84	252	545781	7.932	ng/ul#	92
88) Benzo(a)pyrene	23.41	252	303176	4.616	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	25.74	276	219699	3.371	ng/ul	98
90) Dibenzo(a,h)anthracene	25.75	278	57578	1.038	ng/ul#	91
91) Benzo(g,h,i)perylene	26.43	276	224529	4.368	ng/ul#	94

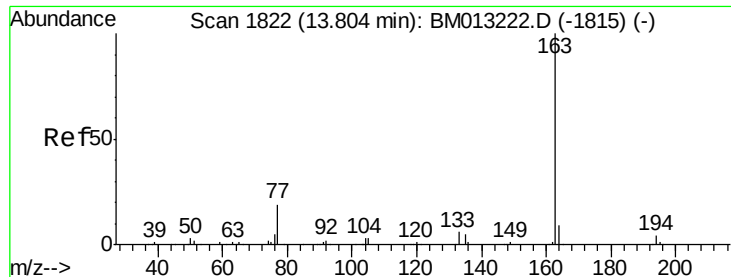
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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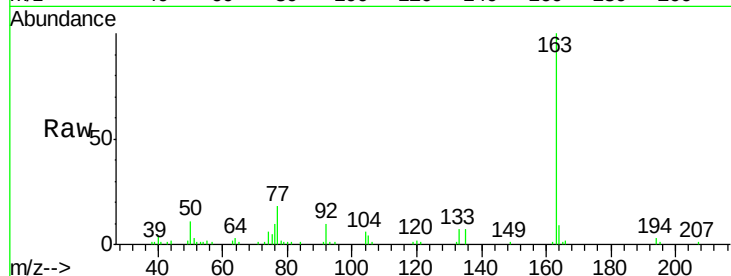




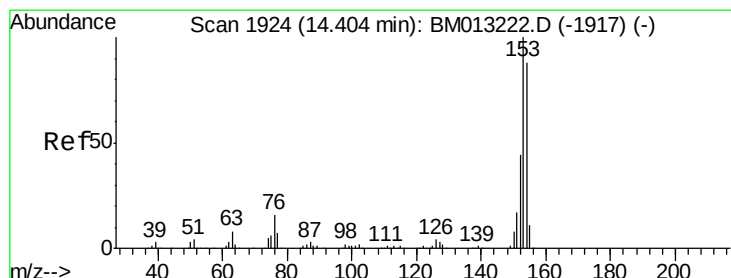
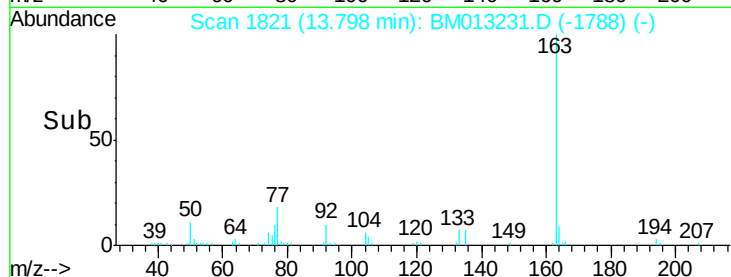
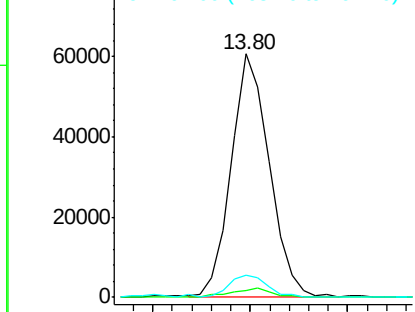
#44
Dimethylphthalate
Concen: 1.331 ng/ul
RT: 13.80 min Scan# 1821
Delta R.T. -0.01 min
Lab File: BM013231.D
Acq: 07 Dec 2017 04:05

Instrument :
BNA_M
ClientSampleId :
C0279

Tot Ion:163 Resp: 82267
Ion Ratio Lower Upper
163 100
194 3.0 3.5 5.3#
164 9.3 8.2 12.4

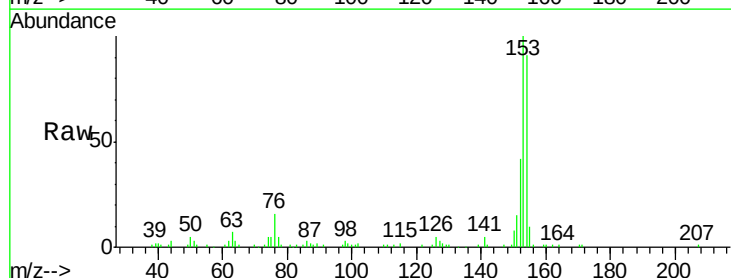


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

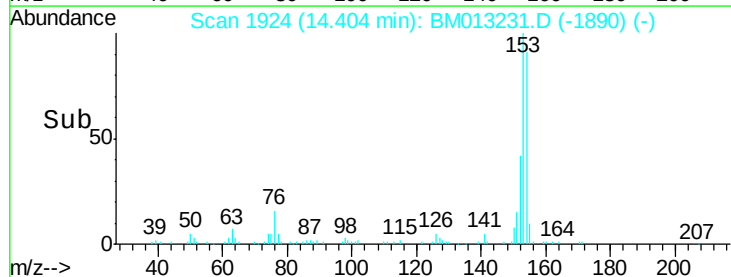
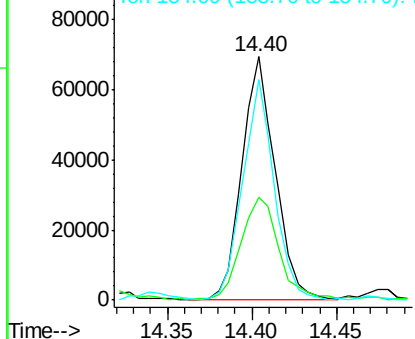


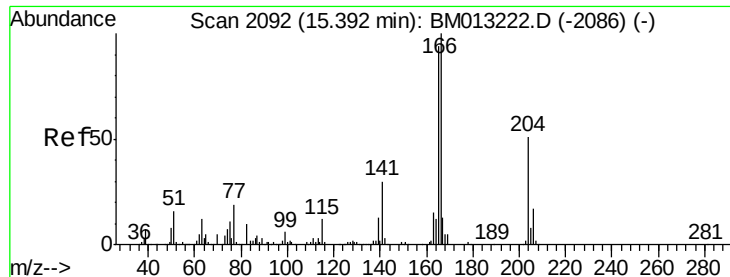
#49
Acenaphthene
Concen: 1.904 ng/ul
RT: 14.40 min Scan# 1924
Delta R.T. -0.00 min
Lab File: BM013231.D
Acq: 07 Dec 2017 04:05

Tgt Ion:153 Resp: 95692
Ion Ratio Lower Upper
153 100
152 42.2 37.6 56.4
154 90.7 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: 2.183 ng/ul

RT: 15.39 min Scan# 2092

Delta R.T. -0.00 min

Lab File: BM013231.D

Acq: 07 Dec 2017 04:05

Instrument :

BNA_M

ClientSampleId :

C0279

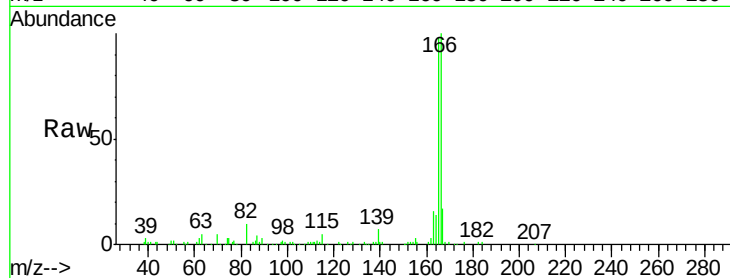
Tot Ion:166 Resp: 134037

Ion Ratio Lower Upper

166 100

165 98.0 77.9 116.9

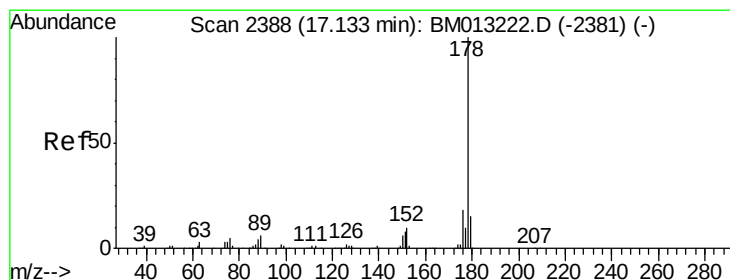
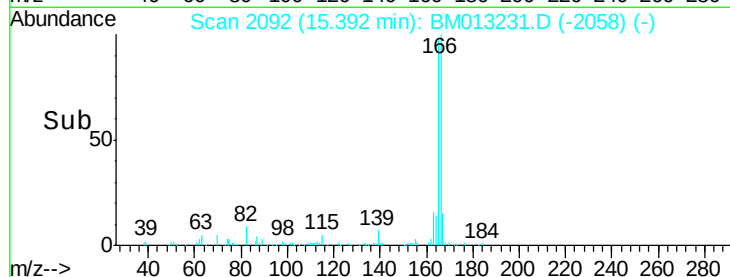
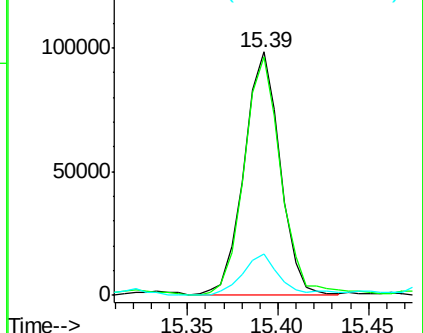
167 16.9 10.6 16.0#



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: 13.781 ng/ul

RT: 17.13 min Scan# 2388

Delta R.T. -0.00 min

Lab File: BM013231.D

Acq: 07 Dec 2017 04:05

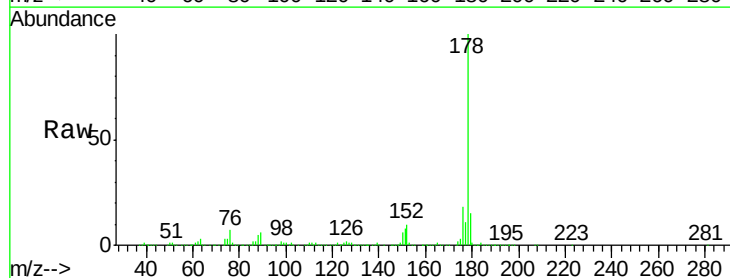
Tgt Ion:178 Resp: 1258497

Ion Ratio Lower Upper

178 100

179 15.1 12.6 19.0

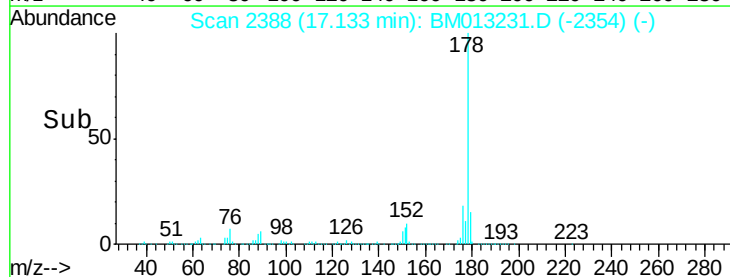
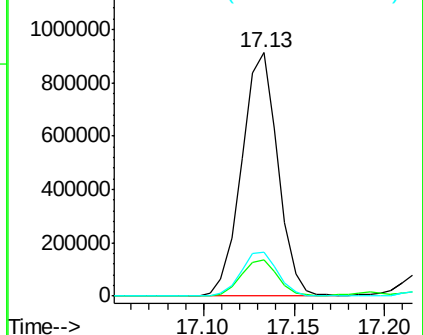
176 18.1 14.9 22.3

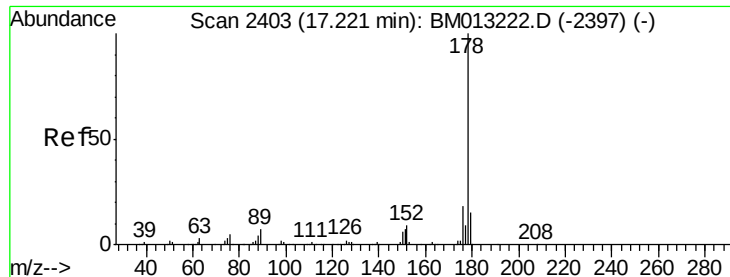


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

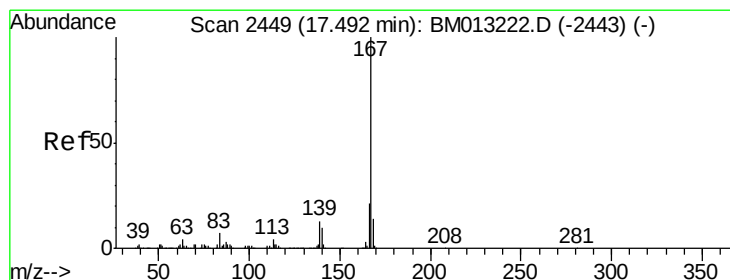
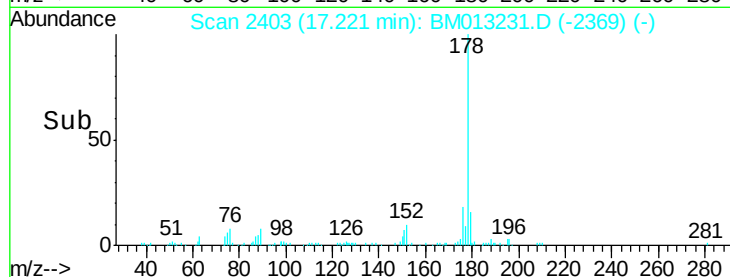
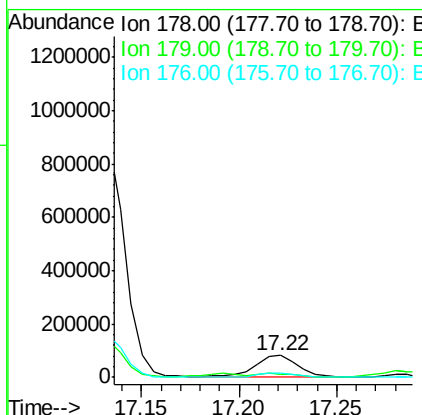
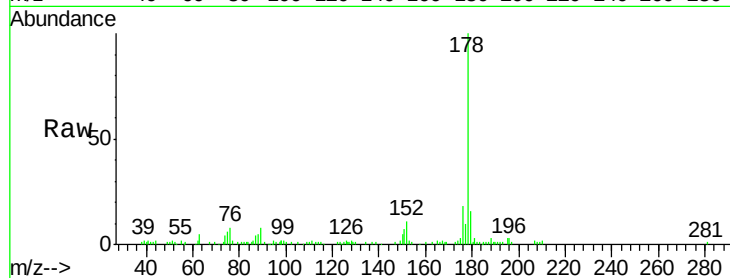




#71
 Anthracene
 Concen: 1.291 ng/ul
 RT: 17.22 min Scan# 2403
 Delta R.T. -0.00 min
 Lab File: BM013231.D
 Acq: 07 Dec 2017 04:05

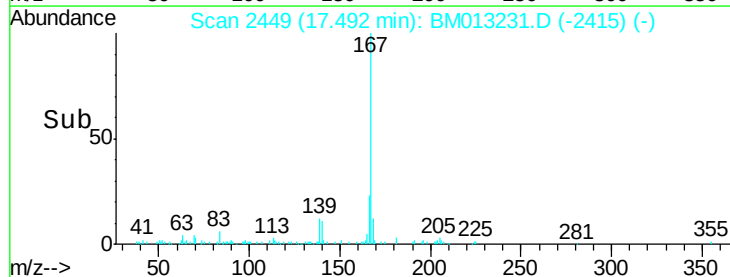
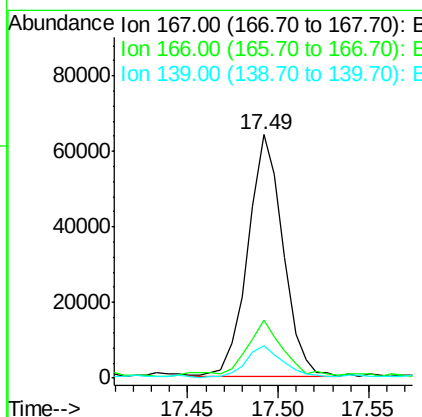
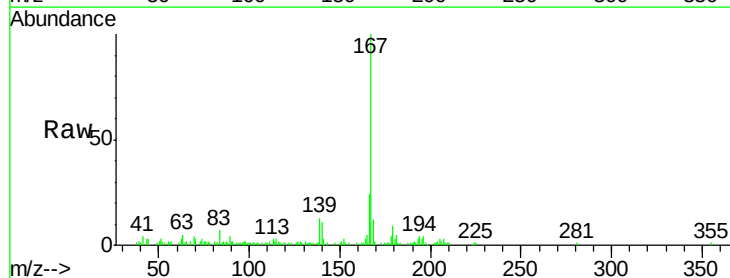
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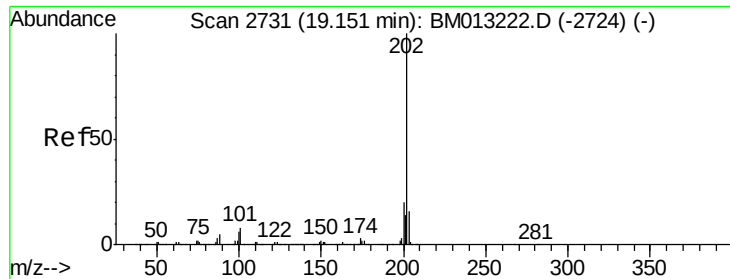
Tot Ion:178 Resp: 120485
 Ion Ratio Lower Upper
 178 100
 179 16.3 11.7 17.5
 176 18.1 14.6 21.8



#72
 Carbazole
 Concen: 1.069 ng/ul
 RT: 17.49 min Scan# 2449
 Delta R.T. -0.00 min
 Lab File: BM013231.D
 Acq: 07 Dec 2017 04:05

Tgt Ion:167 Resp: 85842
 Ion Ratio Lower Upper
 167 100
 166 23.9 17.1 25.7
 139 13.3 10.0 15.0

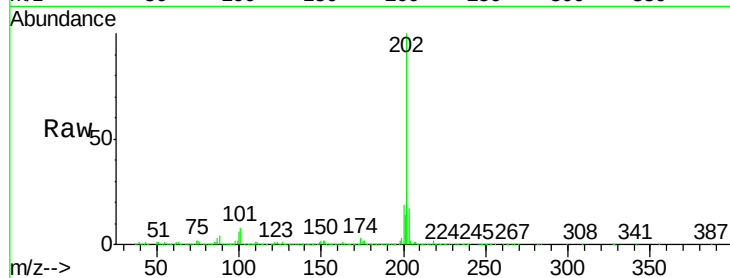




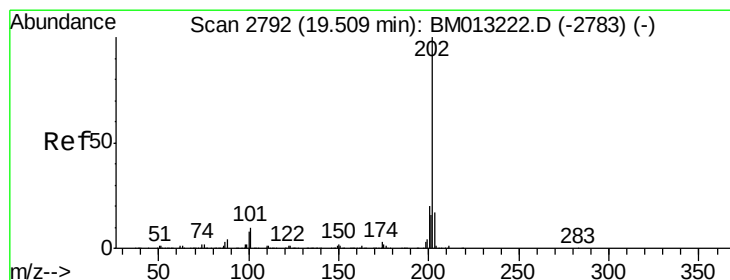
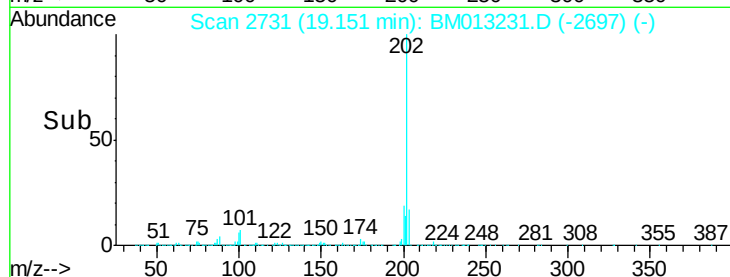
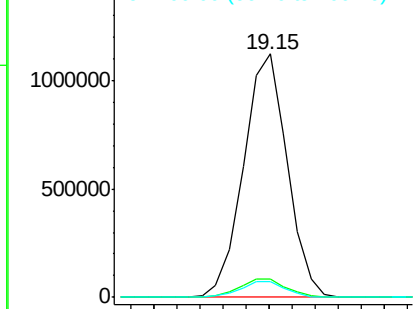
#74
Fluoranthene
Concen: 13.195 ng/ul
RT: 19.15 min Scan# 2731
Delta R.T. -0.00 min
Lab File: BM013231.D
Acq: 07 Dec 2017 04:05

Instrument :
BNA_M
ClientSampleId :
C0279

Tot Ion:202 Resp: 1476642
Ion Ratio Lower Upper
202 100
101 7.7 4.6 7.0#
100 6.4 3.4 5.2#

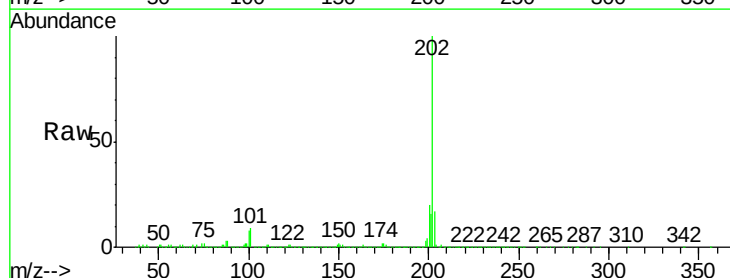


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

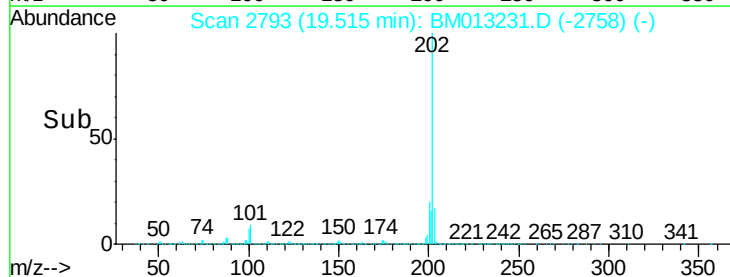
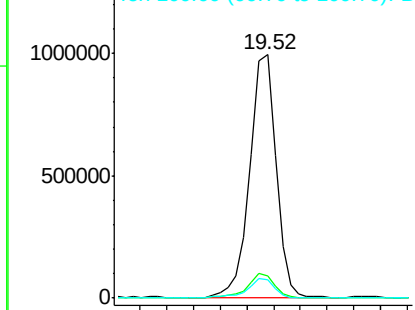


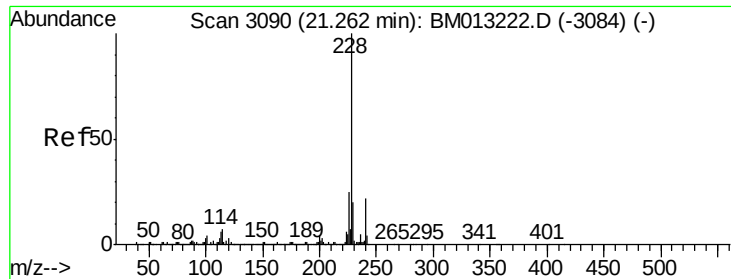
#77
Pyrene
Concen: 16.353 ng/ul
RT: 19.52 min Scan# 2793
Delta R.T. 0.01 min
Lab File: BM013231.D
Acq: 07 Dec 2017 04:05

Tgt Ion:202 Resp: 1351757
Ion Ratio Lower Upper
202 100
101 9.2 5.1 7.7#
100 7.5 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: 6.324 ng/ul

RT: 21.31 min Scan# 3098

Delta R.T. 0.05 min

Lab File: BM013231.D

Acq: 07 Dec 2017 04:05

Instrument :

BNA_M

ClientSampleId :

C0279

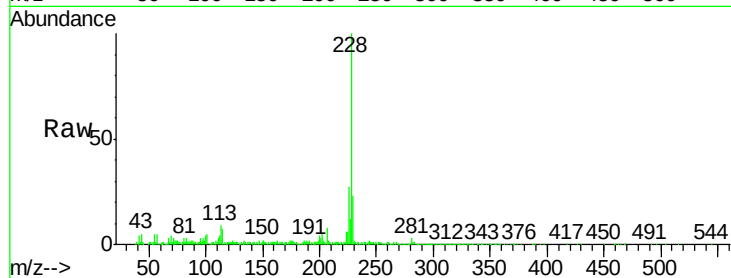
Tot Ion:228 Resp: 545953

Ion Ratio Lower Upper

228 100

229 22.8 15.4 23.0

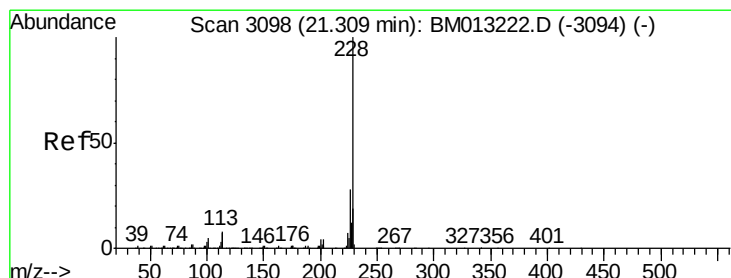
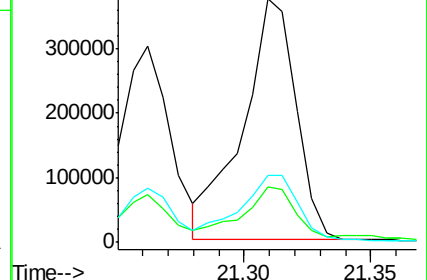
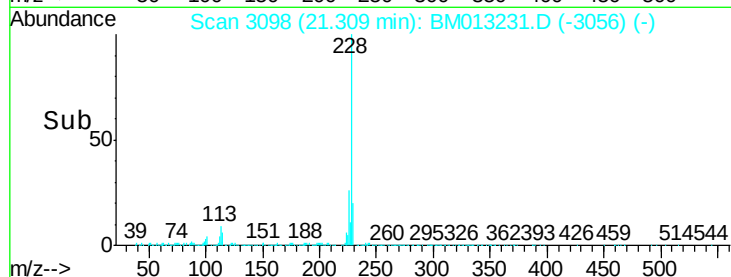
226 27.3 21.4 32.0



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: 6.817 ng/ul

RT: 21.31 min Scan# 3098

Delta R.T. -0.00 min

Lab File: BM013231.D

Acq: 07 Dec 2017 04:05

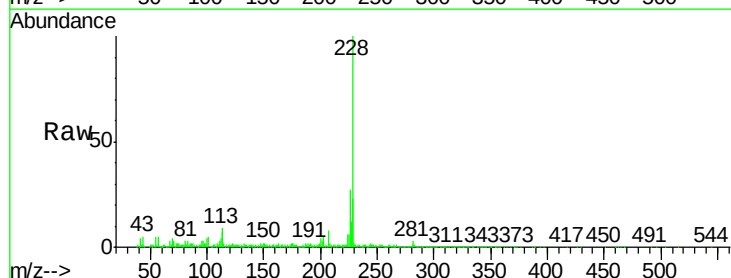
Tgt Ion:228 Resp: 545953

Ion Ratio Lower Upper

228 100

226 27.3 23.4 35.2

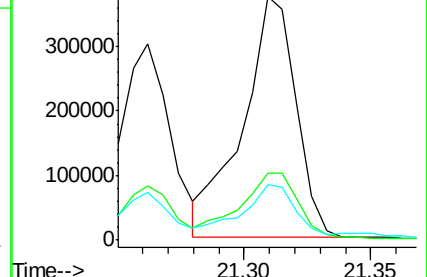
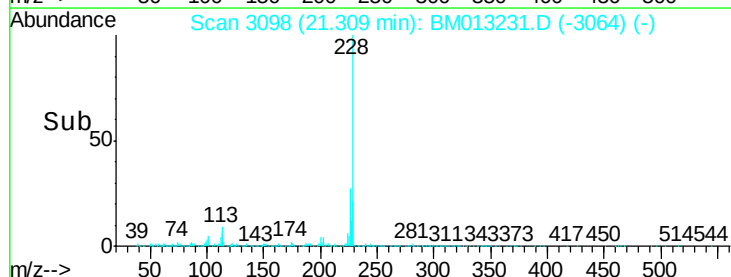
229 22.8 15.5 23.3

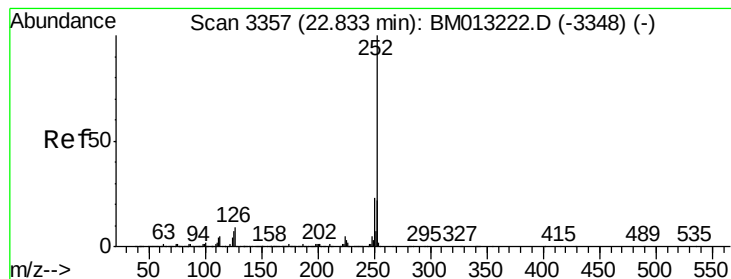


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 7.464 ng/ul

RT: 22.84 min Scan# 3358

Delta R.T. 0.01 min

Lab File: BM013231.D

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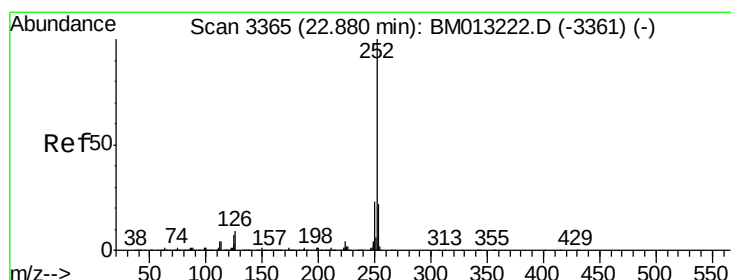
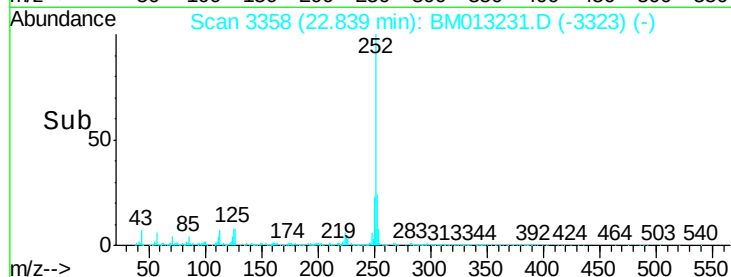
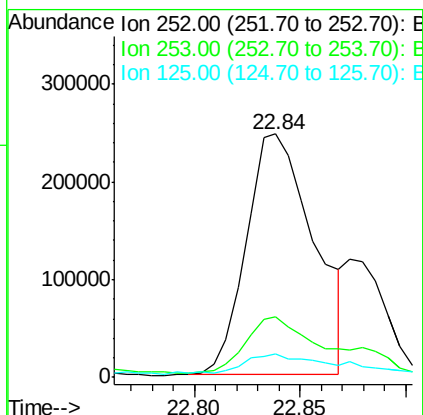
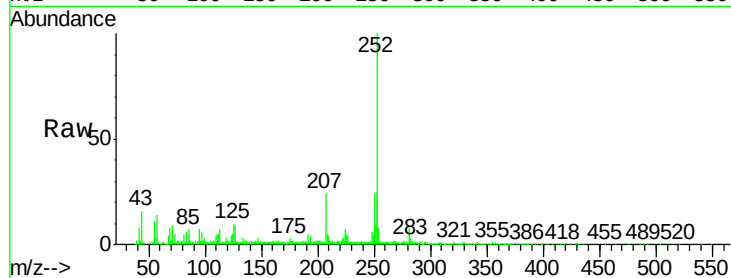
Instrument :

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Tot Ion:252	Resp:	545781
Ion Ratio	Lower	Upper
252	100	
253	24.6	17.9 26.9
125	9.6	3.6 5.4#



#86

Benzo(k)fluoranthene

Concen: 7.932 ng/ul

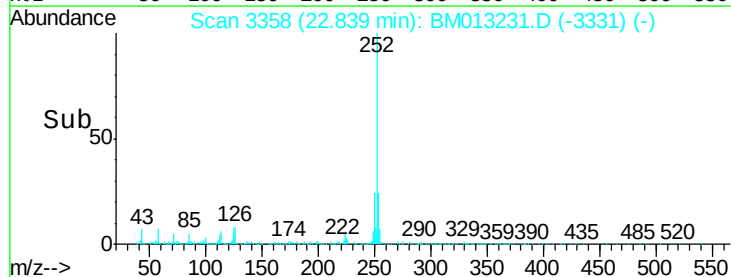
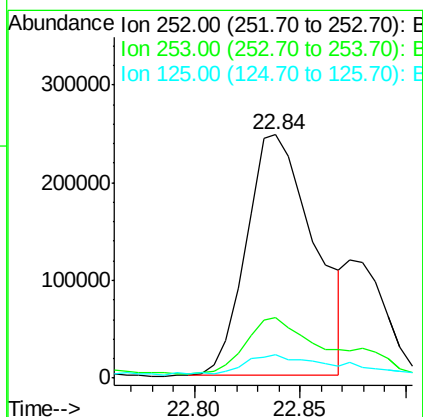
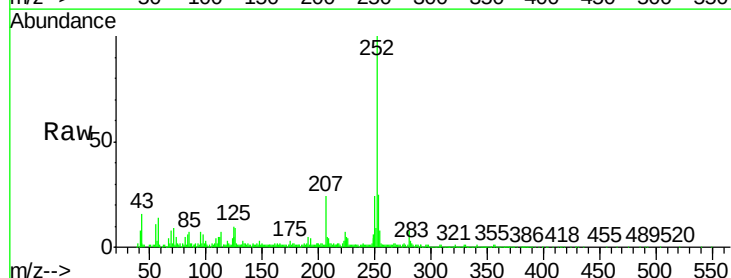
RT: 22.84 min Scan# 3358

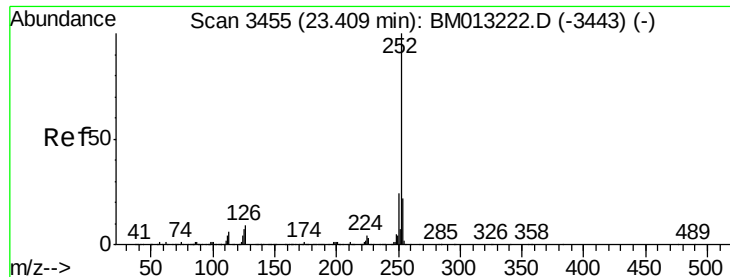
Delta R.T. -0.04 min

Lab File: BM013231.D

Acq: 07 Dec 2017 04:05

Tgt Ion:252	Resp:	545781
Ion Ratio	Lower	Upper
252	100	
253	24.6	17.1 25.7
125	9.6	3.4 5.2#





#88

Benzo(a)pyrene

Concen: 4.616 ng/ul

RT: 23.41 min Scan# 3455

Delta R.T. -0.00 min

Lab File: BM013231.D

Acq: 07 Dec 2017 04:05

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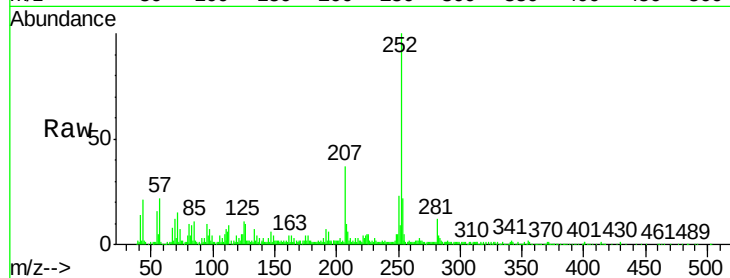
Tot Ion:252 Resp: 303176

Ion Ratio Lower Upper

252 100

253 22.4 18.2 27.2

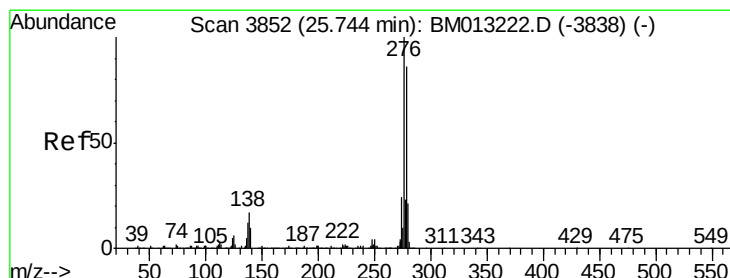
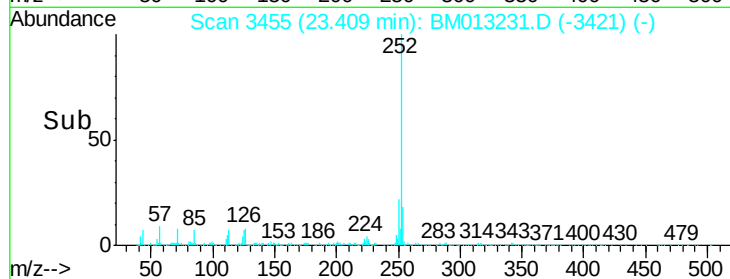
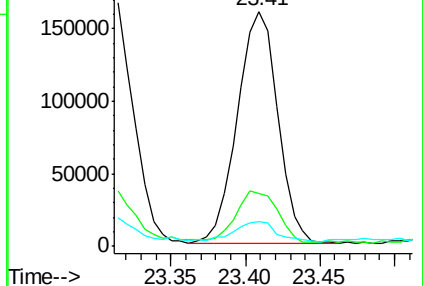
125 10.7 4.0 6.0#



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: 3.371 ng/ul

RT: 25.74 min Scan# 3851

Delta R.T. -0.01 min

Lab File: BM013231.D

Acq: 07 Dec 2017 04:05

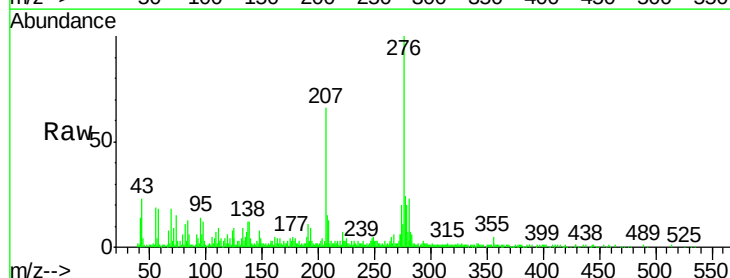
Tgt Ion:276 Resp: 219699

Ion Ratio Lower Upper

276 100

138 12.3 9.3 13.9

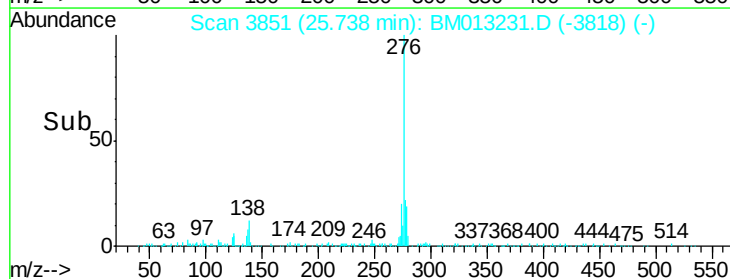
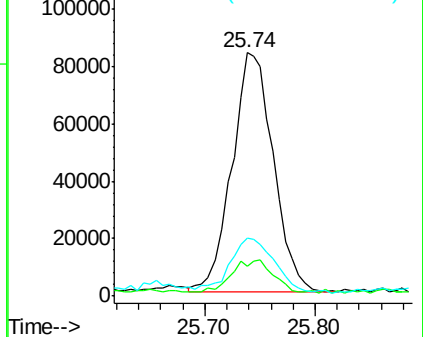
277 24.1 19.9 29.9

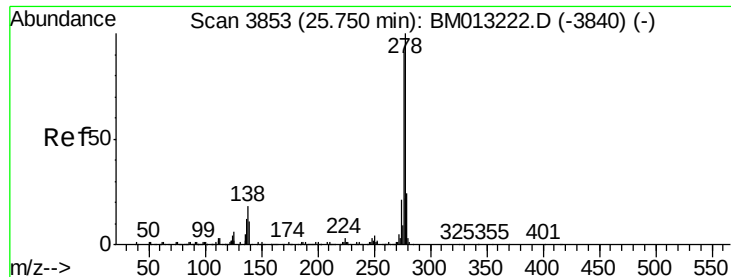


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 1.038 ng/ul

RT: 25.75 min Scan# 3853

Delta R.T. -0.00 min

Lab File: BM013231.D

Acq: 07 Dec 2017 04:05

Instrument :

BNA_M

ClientSampleId :

C0279

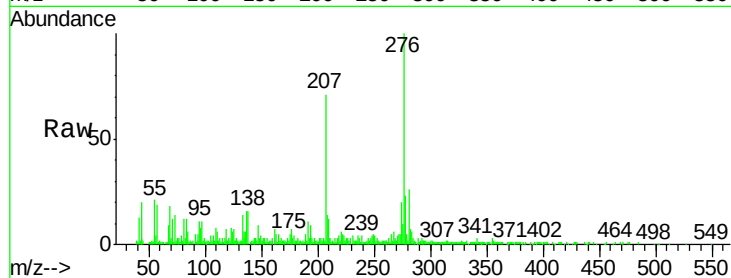
Tot Ion:278 Resp: 57578

Ion Ratio Lower Upper

278 100

139 0.0 5.8 8.8#

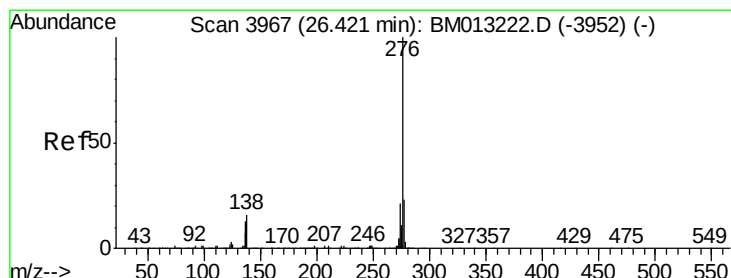
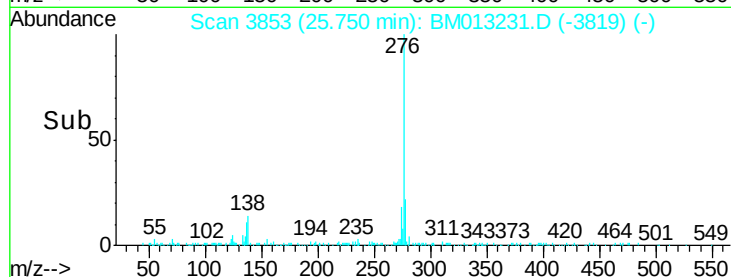
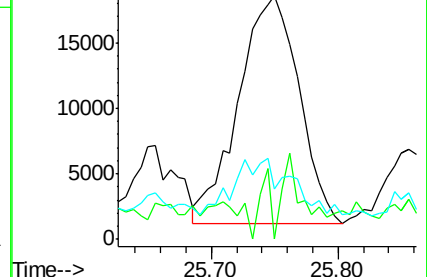
279 20.5 18.6 27.8



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: 4.368 ng/ul

RT: 26.43 min Scan# 3969

Delta R.T. 0.01 min

Lab File: BM013231.D

Acq: 07 Dec 2017 04:05

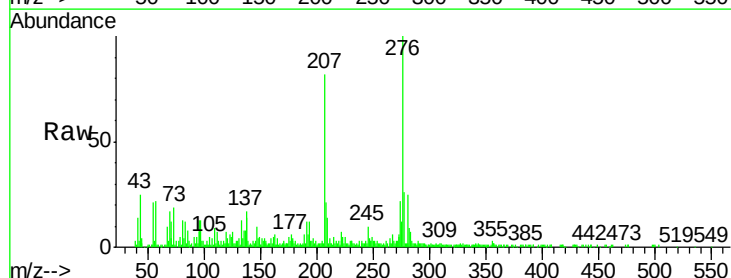
Tgt Ion:276 Resp: 224529

Ion Ratio Lower Upper

276 100

138 13.6 8.5 12.7#

277 25.7 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

