

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121217\
 Data File : BM013355.D
 Acq On : 13 Dec 2017 00:47
 Operator : SJ/JU
 Sample : I6776-09
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F9A61

Quant Time: Dec 13 01:47:29 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 13 01:37:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.69	152	125196	20.00	ng/ul	0.00
18) Naphthalene-d8	10.46	136	566580	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.33	164	356084	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	940186	20.00	ng/ul	0.00
75) Chrysene-d12	21.27	240	1237381	20.00	ng/ul	0.00
83) Perylene-d12	23.50	264	1200483	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	10489	4.15	ng/uL	0.00
5) Phenol-d5	6.86	99	252046	23.27	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.03	67	154190	24.96	ng/ul	0.00
9) 2-Chlorophenol-d4	7.22	132	208176	24.59	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	201227	21.75	ng/ul	0.00
19) Nitrobenzene-d5	8.84	128	115090	25.61	ng/ul	0.00
22) 2-Nitrophenol-d4	9.56	143	118396	24.62	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	228359	23.04	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	259864	28.53	ng/ul	0.00
43) Dimethylphthalate-d6	13.74	166	800712	25.27	ng/ul	0.00
46) Acenaphthylene-d8	14.02	160	995406	25.46	ng/ul	0.00
51) 4-Nitrophenol-d4	14.54	143	121942	22.15	ng/ul	0.00
57) Fluorene-d10	15.32	176	713925	26.20	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.45	200	100512	16.99	ng/ul	0.00
70) Anthracene-d10	17.17	188	1181587	25.09	ng/ul	0.00
76) Pyrene-d10	19.47	212	1509386	24.48	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.36	264	1544840	25.26	ng/ul	0.00

Target Compounds

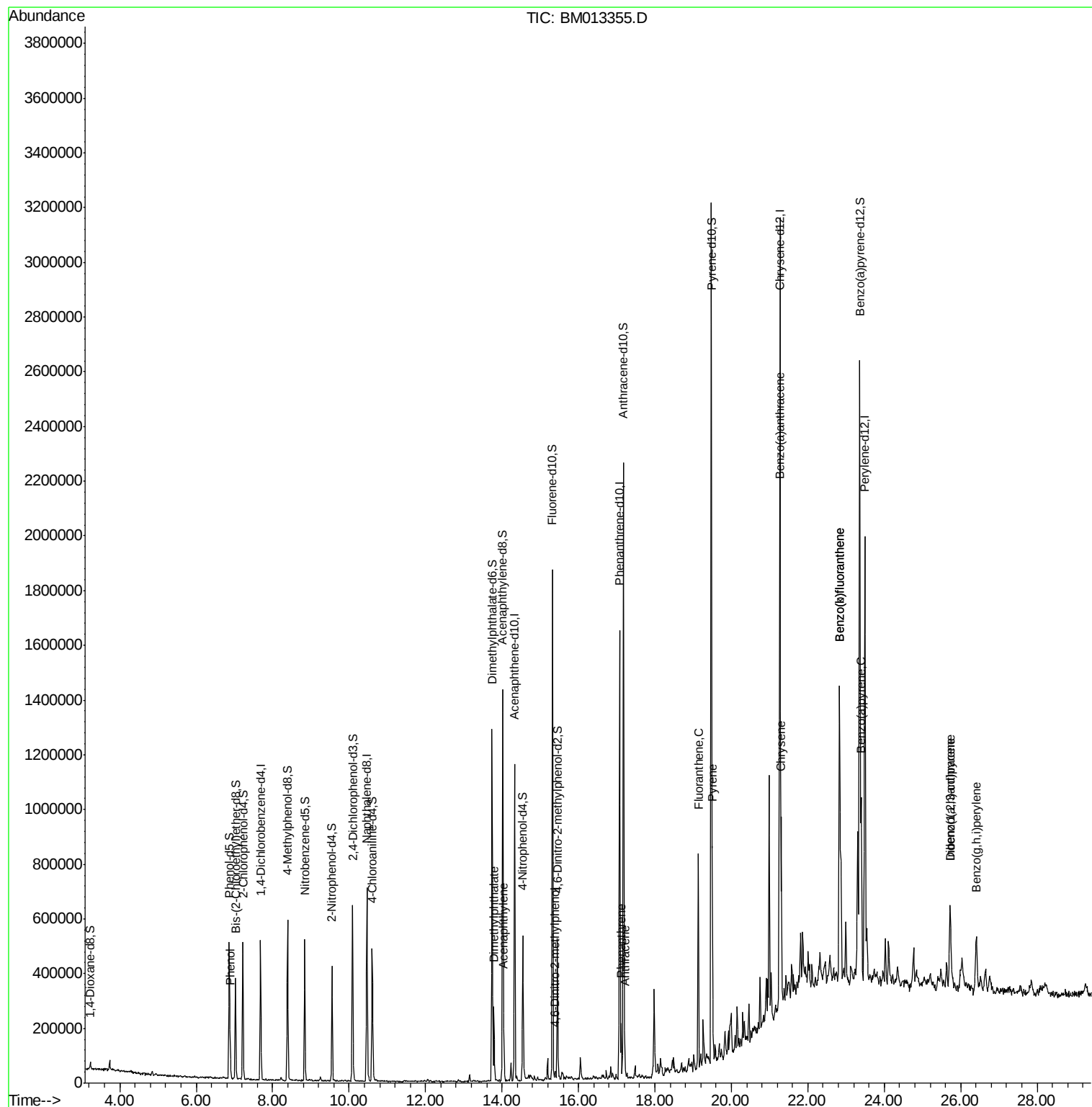
					Ovalue	
6) Phenol	6.89	94	45938	4.290	ng/ul	90
44) Dimethylphthalate	13.79	163	153280	5.058	ng/ul	98
47) Acenaphthylene	14.04	152	103709	2.866	ng/ul	97
63) 4,6-Dinitro-2-methylphenol	15.39	198	6380	1.079	ng/ul#	64
69) Phenanthrene	17.12	178	113165	2.119	ng/ul	99
71) Anthracene	17.21	178	97157	1.780	ng/ul	97
74) Fluoranthene	19.14	202	445667	6.809	ng/ul#	93
77) Pyrene	19.50	202	463296	6.163	ng/ul#	92
80) Benzo(a)anthracene	21.25	228	341382	4.348	ng/ul	95
82) Chrysene	21.30	228	451097	6.193	ng/ul	99
85) Benzo(b)fluoranthene	22.83	252	822137	10.159	ng/ul#	98
86) Benzo(k)fluoranthene	22.83	252	822137	10.795	ng/ul#	96
88) Benzo(a)pyrene	23.40	252	429870	5.913	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.72	276	284692	3.947	ng/ul#	93
90) Dibenzo(a,h)anthracene	25.73	278	81811	1.332	ng/ul#	96
91) Benzo(g,h,i)perylene	26.41	276	248380	4.366	ng/ul#	96

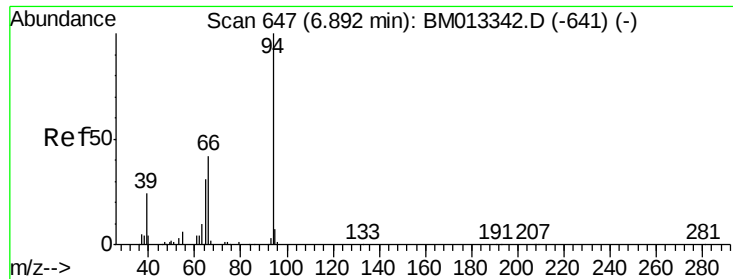
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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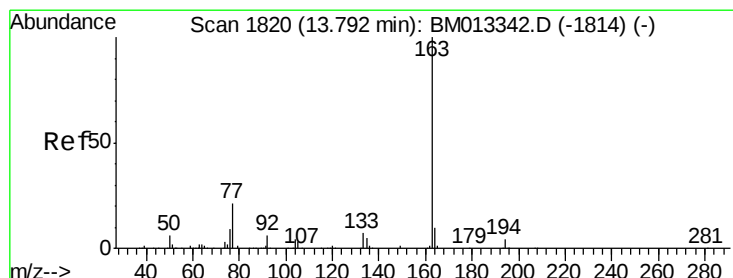
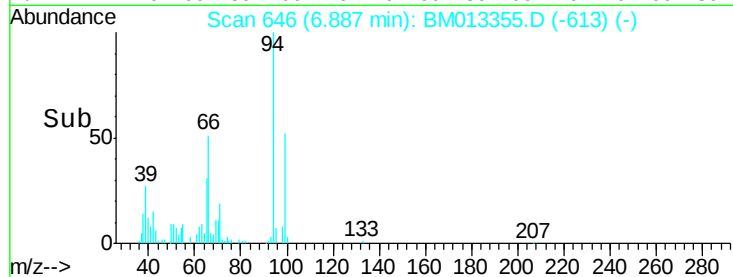
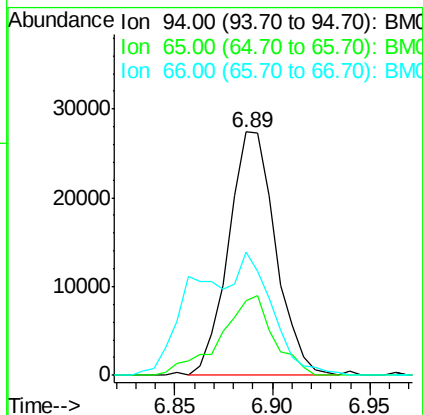
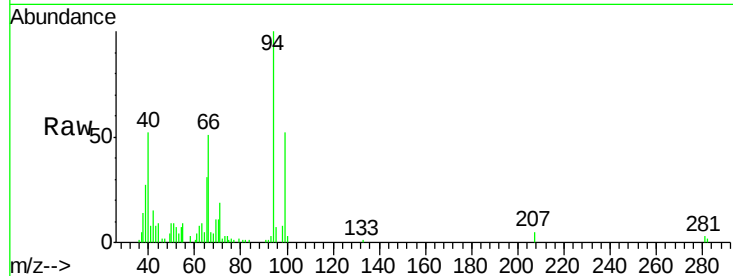
#6

Phenol

Concen: 4.290 ng/ul
 RT: 6.89 min Scan# 646
 Delta R.T. -0.01 min
 Lab File: BM013355.D
 Acq: 13 Dec 2017 00:47

Instrument :
 BNA_M
 ClientSampleId :
 F9A61

Tot Ion: 94 Resp: 45938
 Ion Ratio Lower Upper
 94 100
 65 30.7 28.2 42.4
 66 50.7 47.2 70.8

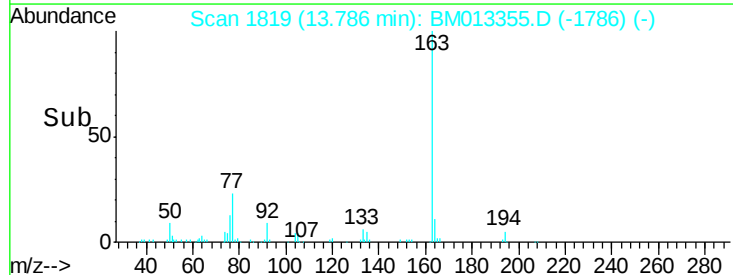
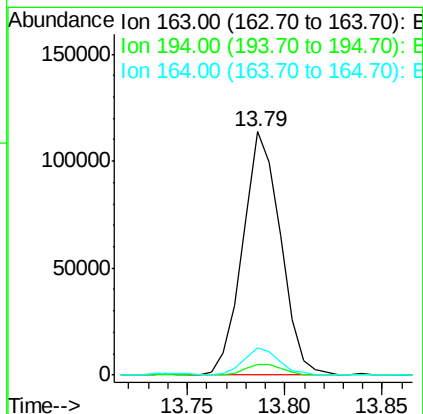
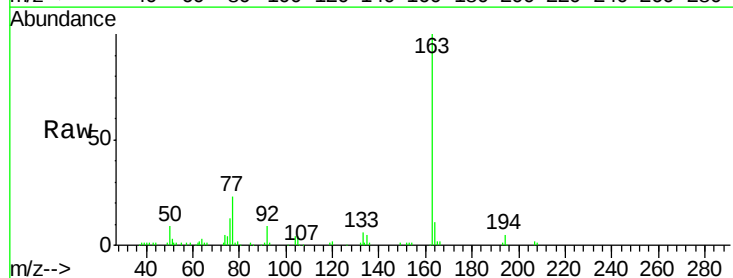


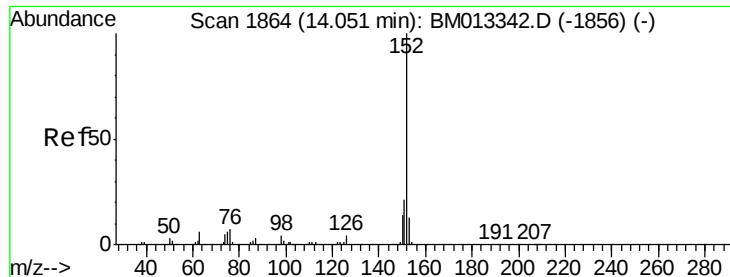
#44

Dimethylphthalate

Concen: 5.058 ng/ul
 RT: 13.79 min Scan# 1819
 Delta R.T. -0.01 min
 Lab File: BM013355.D
 Acq: 13 Dec 2017 00:47

Tgt Ion: 163 Resp: 153280
 Ion Ratio Lower Upper
 163 100
 194 4.5 3.5 5.3
 164 11.1 8.2 12.4





#47

Acenaphthylene

Concen: 2.866 ng/ul

RT: 14.04 min Scan# 1863

Delta R.T. -0.01 min

Lab File: BM013355.D

Acq: 13 Dec 2017 00:47

Instrument :

BNA_M

ClientSampleId :

F9A61

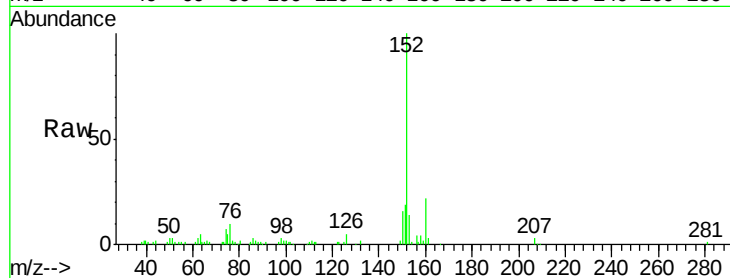
Tot Ion:152 Resp: 103709

Ion Ratio Lower Upper

152 100

151 18.9 16.3 24.5

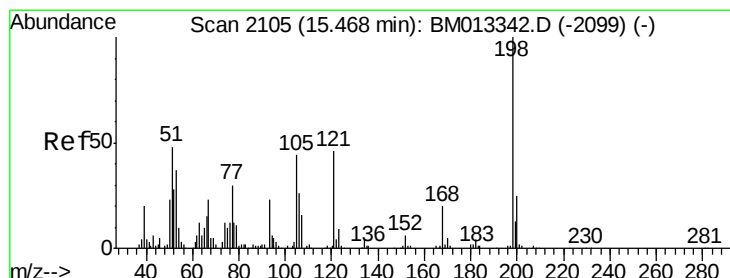
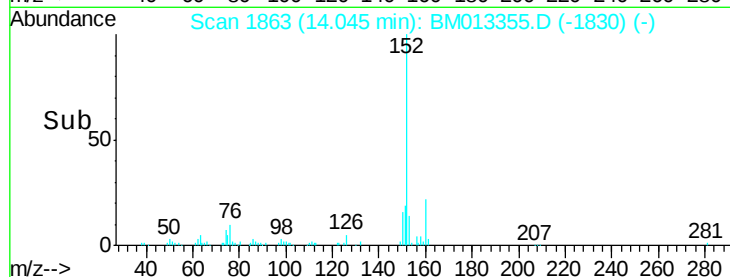
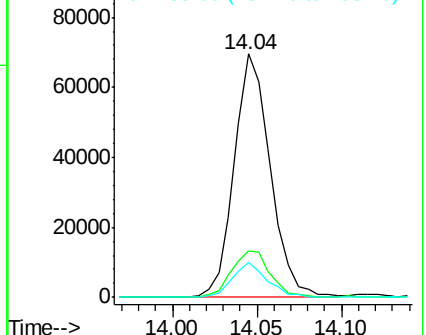
153 14.1 10.2 15.4



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



#63

4,6-Dinitro-2-methylphenol

Concen: 1.079 ng/ul

RT: 15.39 min Scan# 2091

Delta R.T. -0.08 min

Lab File: BM013355.D

Acq: 13 Dec 2017 00:47

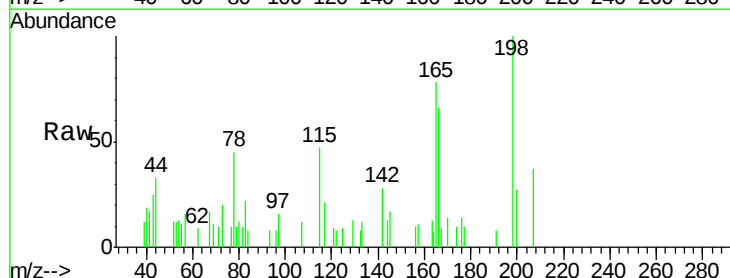
Tgt Ion:198 Resp: 6380

Ion Ratio Lower Upper

198 100

182 0.0 3.8 5.6#

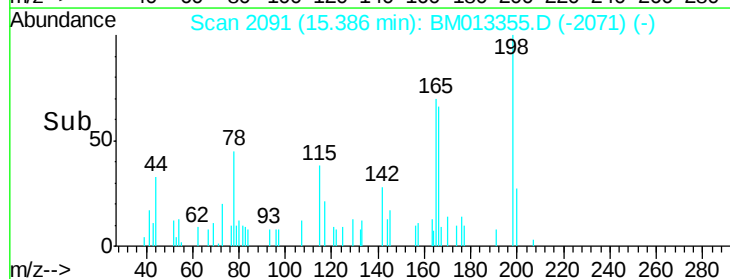
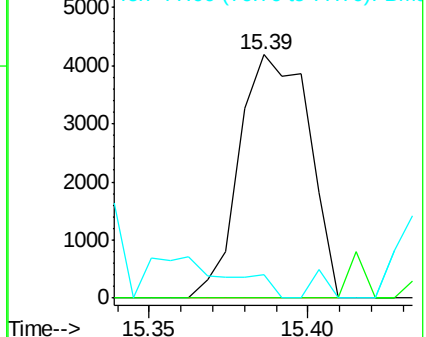
77 9.5 25.2 37.8#

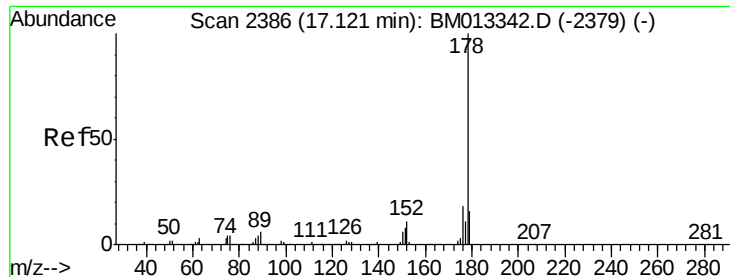


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 77.00 (76.70 to 77.70): BM





#69

Phenanthrene

Concen: 2.119 ng/ul

RT: 17.12 min Scan# 2385

Delta R.T. -0.01 min

Lab File: BM013355.D

Acq: 13 Dec 2017 00:47

Instrument :

BNA_M

ClientSampleId :

F9A61

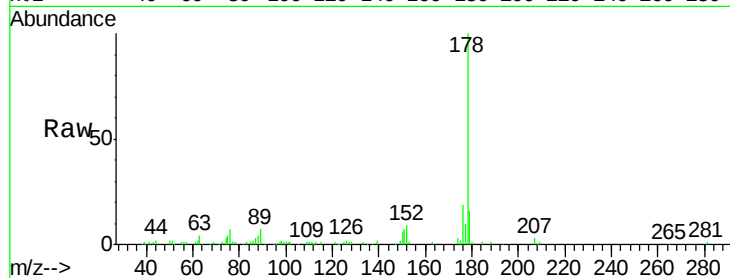
Tot Ion:178 Resp: 113165

Ion Ratio Lower Upper

178 100

179 16.1 12.6 19.0

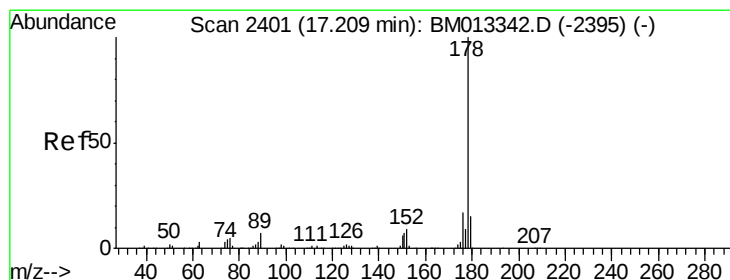
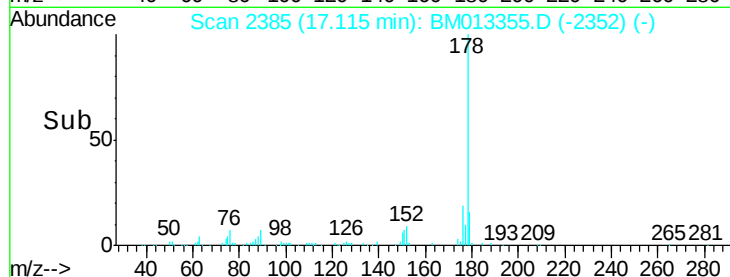
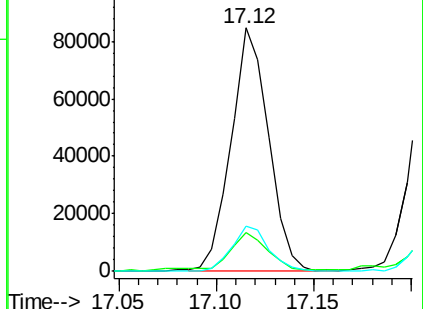
176 18.8 14.9 22.3



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: 1.780 ng/ul

RT: 17.21 min Scan# 2401

Delta R.T. -0.00 min

Lab File: BM013355.D

Acq: 13 Dec 2017 00:47

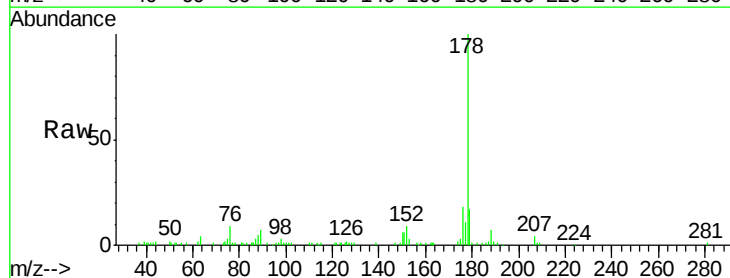
Tgt Ion:178 Resp: 97157

Ion Ratio Lower Upper

178 100

179 17.1 11.7 17.5

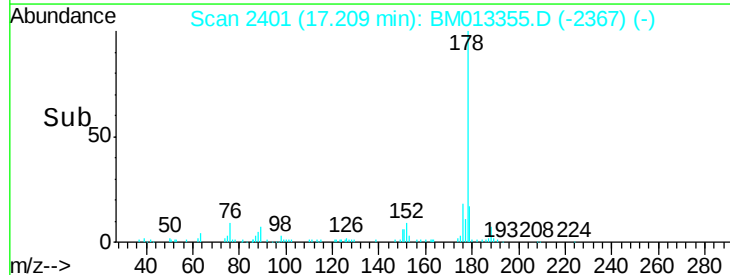
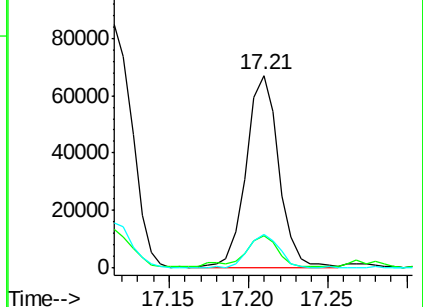
176 17.7 14.6 21.8

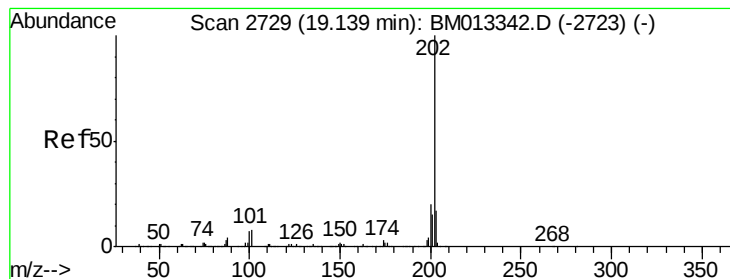


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Fluoranthene

Concen: 6.809 ng/ul

RT: 19.14 min Scan# 2729

Delta R.T. -0.00 min

Lab File: BM013355.D

Acq: 13 Dec 2017 00:47

Instrument :

BNA_M

ClientSampleId :

F9A61

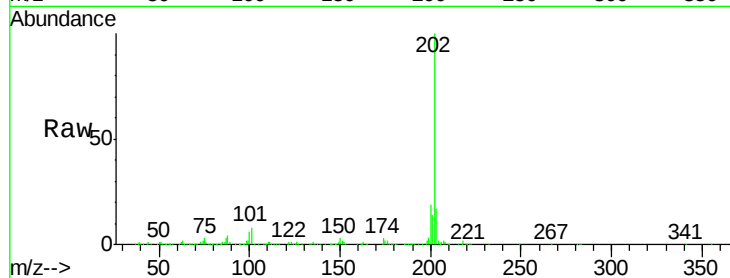
Tot Ion:202 Resp: 445667

Ion Ratio Lower Upper

202 100

101 8.1 4.6 7.0#

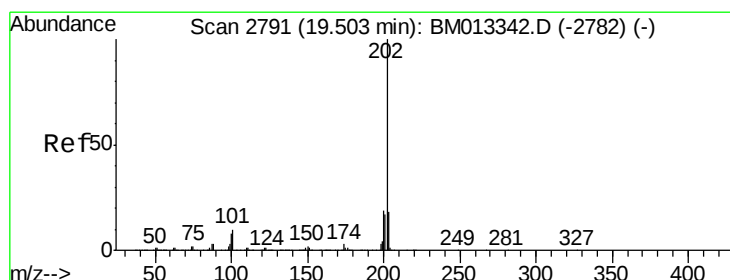
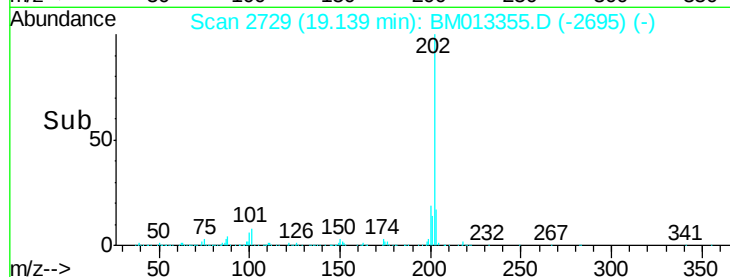
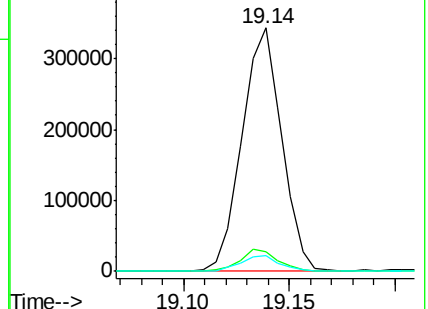
100 6.4 3.4 5.2#



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: 6.163 ng/ul

RT: 19.50 min Scan# 2791

Delta R.T. -0.00 min

Lab File: BM013355.D

Acq: 13 Dec 2017 00:47

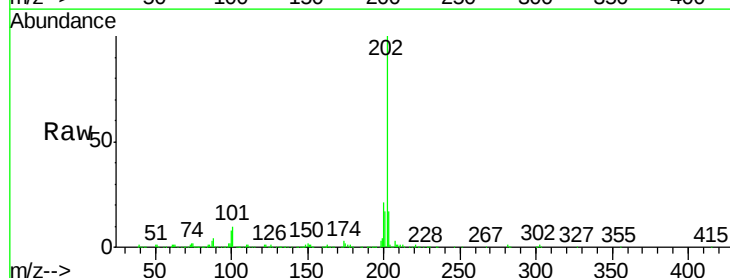
Tgt Ion:202 Resp: 463296

Ion Ratio Lower Upper

202 100

101 9.6 5.1 7.7#

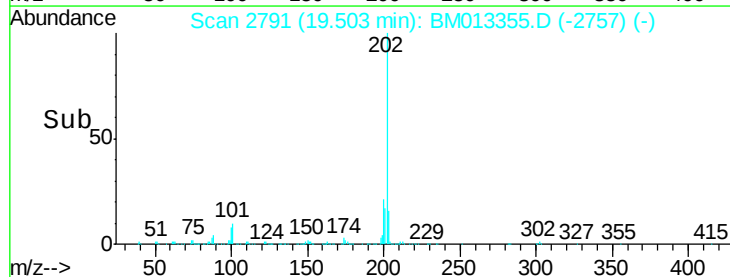
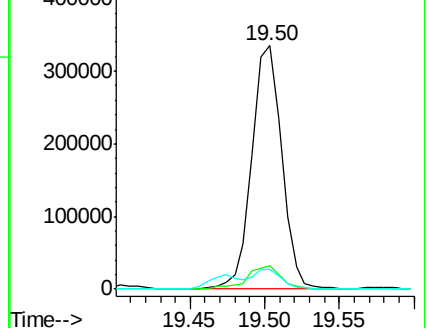
100 8.1 4.9 7.3#

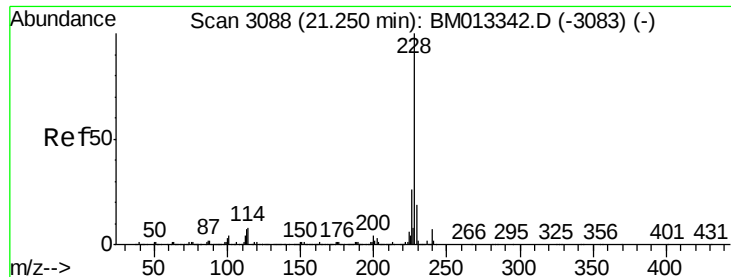


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 4.348 ng/ul

RT: 21.25 min Scan# 3088

Delta R.T. -0.00 min

Lab File: BM013355.D

Acq: 13 Dec 2017 00:47

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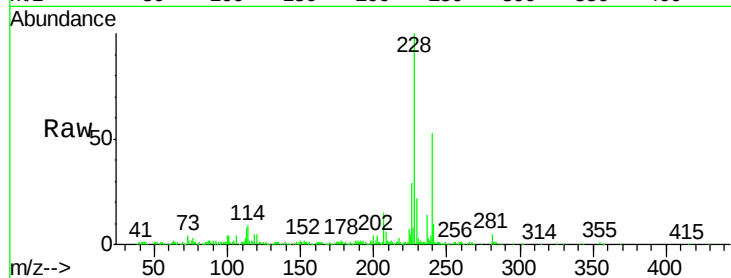
Tot Ion:228 Resp: 341382

Ion Ratio Lower Upper

228 100

229 21.6 15.4 23.0

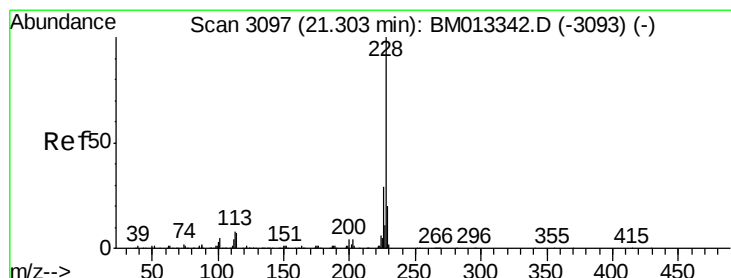
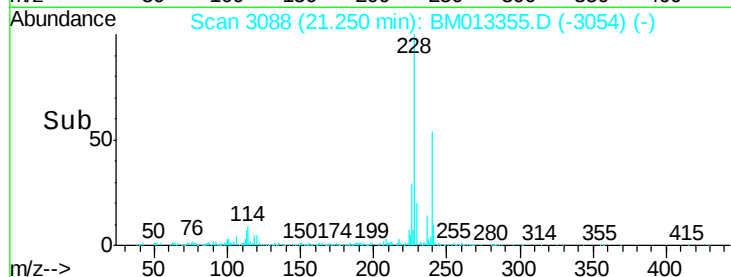
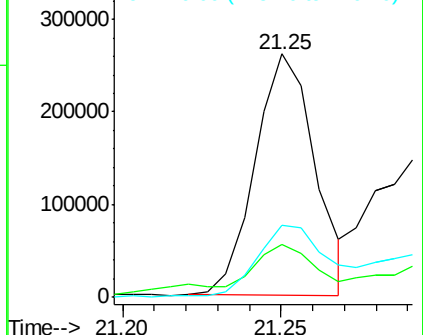
226 29.4 21.4 32.0



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: 6.193 ng/ul

RT: 21.30 min Scan# 3097

Delta R.T. -0.00 min

Lab File: BM013355.D

Acq: 13 Dec 2017 00:47

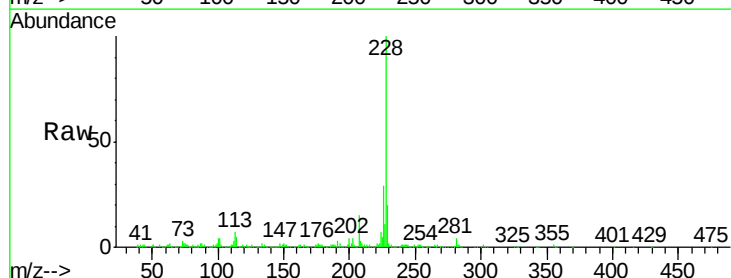
Tgt Ion:228 Resp: 451097

Ion Ratio Lower Upper

228 100

226 28.6 23.4 35.2

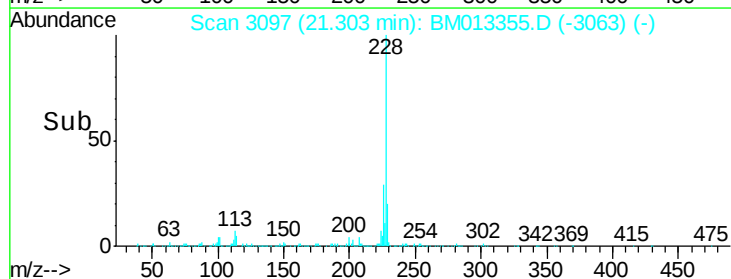
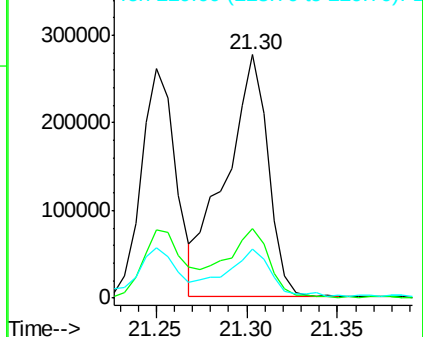
229 20.1 15.5 23.3

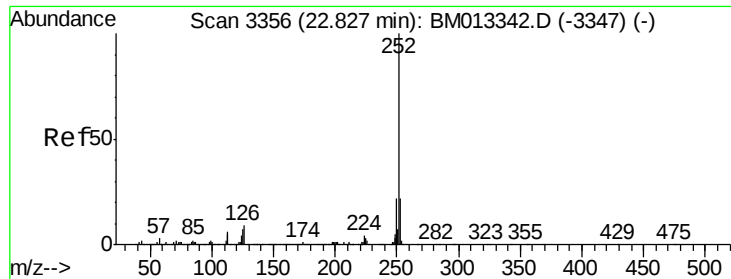


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 10.159 ng/ul

RT: 22.83 min Scan# 3356

Delta R.T. -0.00 min

Lab File: BM013355.D

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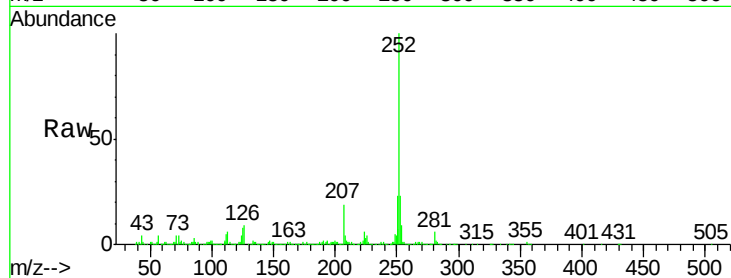
Tot Ion:252 Resp: 822137

Ion Ratio Lower Upper

252 100

253 22.7 17.9 26.9

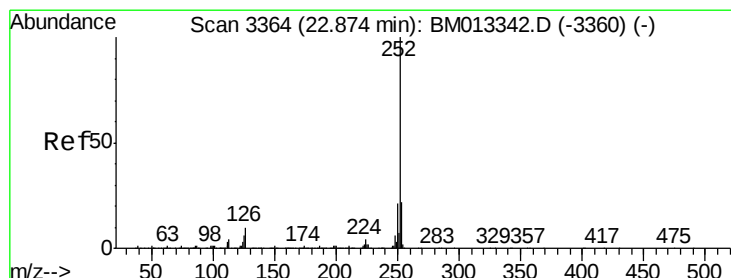
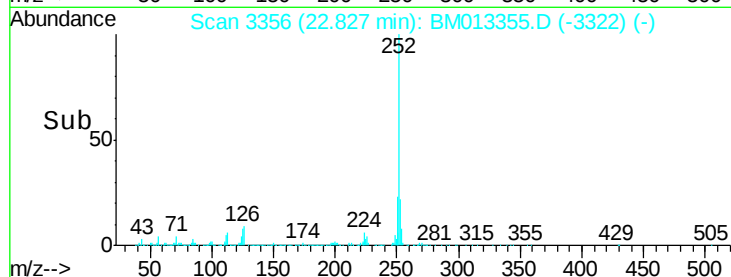
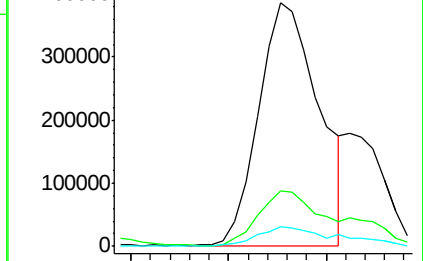
125 7.9 3.6 5.4#



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: 10.795 ng/ul

RT: 22.83 min Scan# 3356

Delta R.T. -0.05 min

Lab File: BM013355.D

Acq: 13 Dec 2017 00:47

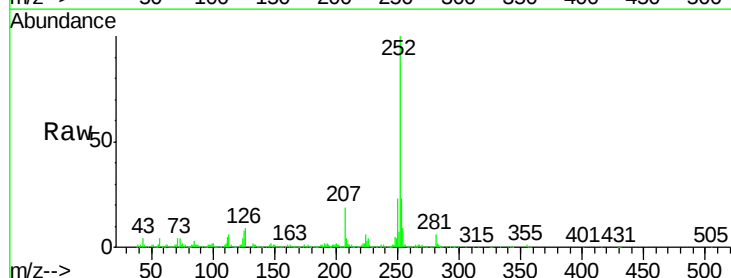
Tgt Ion:252 Resp: 822137

Ion Ratio Lower Upper

252 100

253 22.7 17.1 25.7

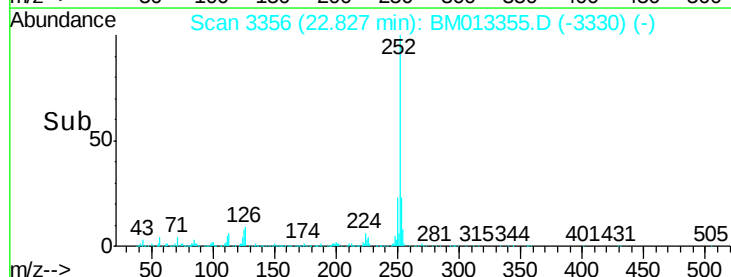
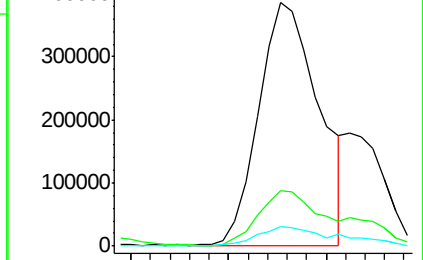
125 7.9 3.4 5.2#

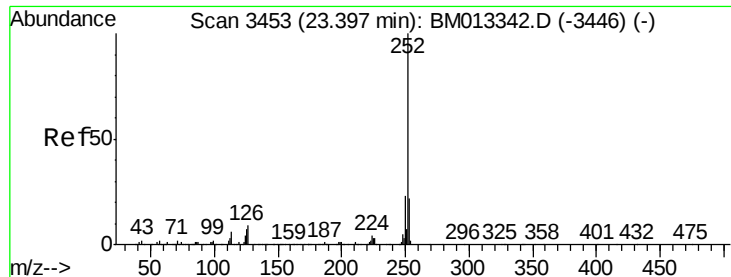


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 5.913 ng/ul

RT: 23.40 min Scan# 3453

Delta R.T. -0.00 min

Lab File: BM013355.D

Acq: 13 Dec 2017 00:47

Instrument :

BNA_M

ClientSampleId :

F9A61

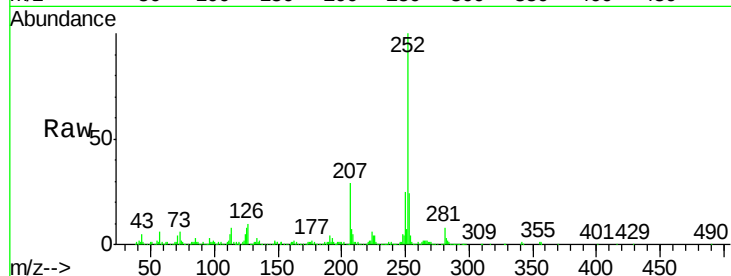
Tot Ion:252 Resp: 429870

Ion Ratio Lower Upper

252 100

253 23.7 18.2 27.2

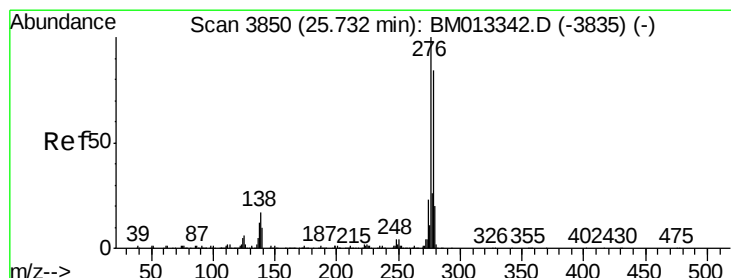
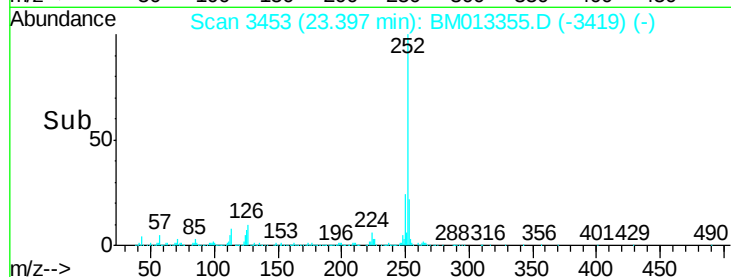
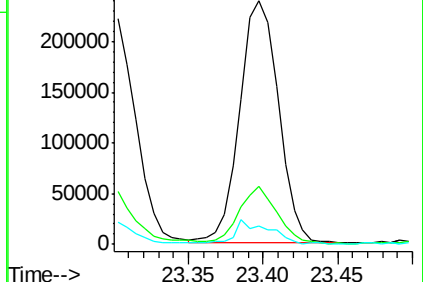
125 7.7 4.0 6.0#



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: 3.947 ng/ul

RT: 25.72 min Scan# 3848

Delta R.T. -0.01 min

Lab File: BM013355.D

Acq: 13 Dec 2017 00:47

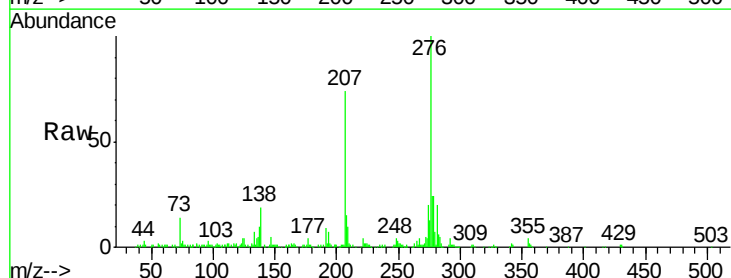
Tgt Ion:276 Resp: 284692

Ion Ratio Lower Upper

276 100

138 18.6 9.3 13.9#

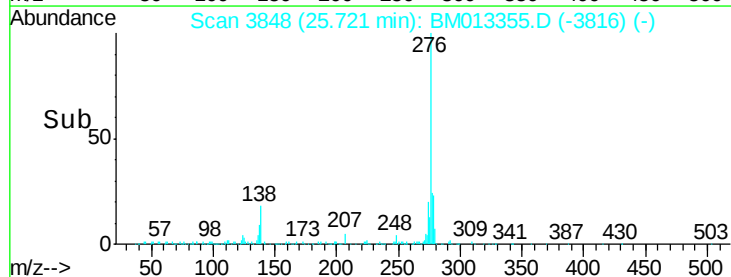
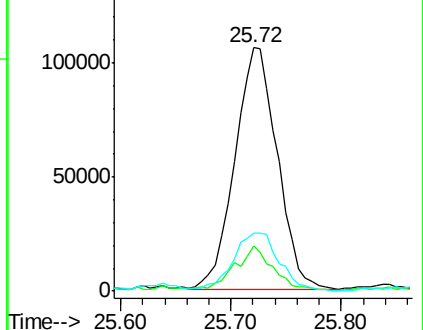
277 24.0 19.9 29.9

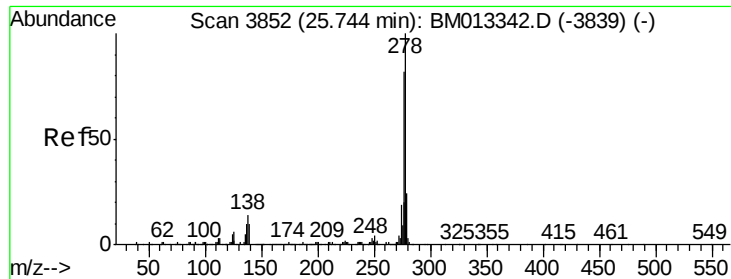


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 1.332 ng/ul

RT: 25.73 min Scan# 3849

Delta R.T. -0.02 min

Lab File: BM013355.D

Acq: 13 Dec 2017 00:47

Instrument :

BNA_M

ClientSampleId :

F9A61

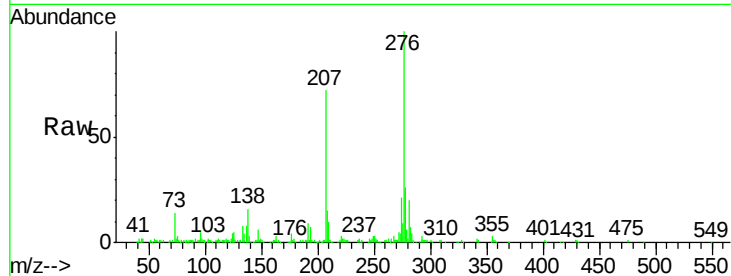
Tot Ion:278 Resp: 81811

Ion Ratio Lower Upper

278 100

139 10.6 5.8 8.8#

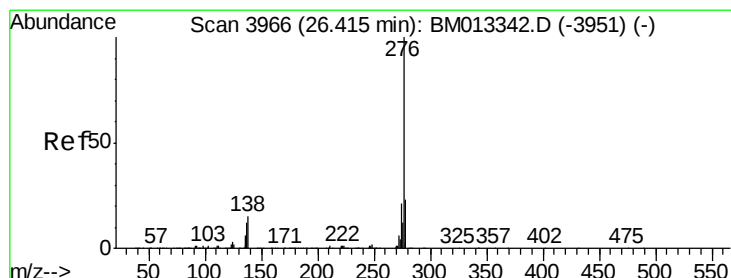
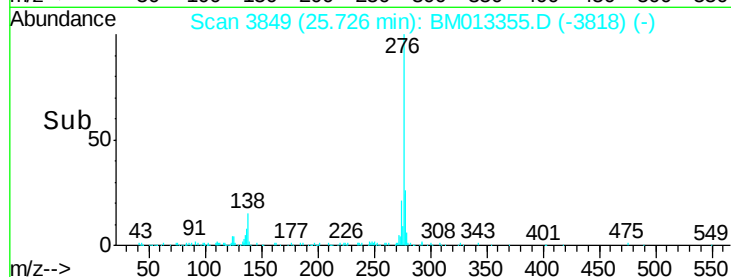
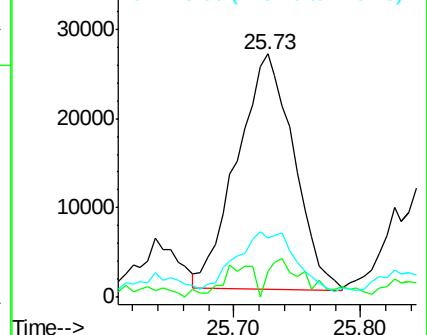
279 24.2 18.6 27.8



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: 4.366 ng/ul

RT: 26.41 min Scan# 3965

Delta R.T. -0.01 min

Lab File: BM013355.D

Acq: 13 Dec 2017 00:47

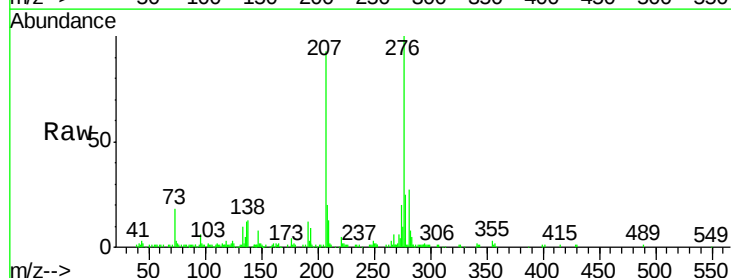
Tgt Ion:276 Resp: 248380

Ion Ratio Lower Upper

276 100

138 12.8 8.5 12.7#

277 25.0 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

