

Data Path : Z:\HPCHEM1\BNA M\DATA\BM112817\
 Data File : BM013145.D
 Acq On : 28 Nov 2017 20:19
 Operator : SJ/JU
 Sample : I6556-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B0GE4

Quant Time: Nov 29 03:47:39 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM111617.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Nov 29 03:43:23 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	215358	20.00	ng/ul	0.00
18) Naphthalene-d8	10.49	136	934051	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.35	164	578000	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.09	188	1337930	20.00	ng/ul	0.00
75) Chrysene-d12	21.27	240	1467157	20.00	ng/ul	0.00
83) Perylene-d12	23.50	264	1154185	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.25	96	10357	2.23	ng/uL	0.00
5) Phenol-d5	6.89	99	218066	11.69	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.05	67	138834	13.12	ng/ul	0.00
9) 2-Chlorophenol-d4	7.25	132	178467	11.97	ng/ul	0.00
13) 4-Methylphenol-d8	8.41	113	182295	11.93	ng/ul	0.00
19) Nitrobenzene-d5	8.86	128	98704	14.83	ng/ul	0.00
22) 2-Nitrophenol-d4	9.57	143	103500	16.34	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.11	165	191424	11.91	ng/ul	0.00
29) 4-Chloroaniline-d4	10.63	131	246968	14.69	ng/ul	0.00
43) Dimethylphthalate-d6	13.76	166	686792	13.55	ng/ul	0.00
46) Acenaphthylene-d8	14.03	160	802456	12.42	ng/ul	0.00
51) 4-Nitrophenol-d4	14.56	143	89895	11.69	ng/ul	0.00
57) Fluorene-d10	15.34	176	568448	13.19	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	83885	14.46	ng/ul	0.00
70) Anthracene-d10	17.19	188	896295	13.09	ng/ul	0.00
76) Pyrene-d10	19.49	212	1001820	13.37	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.36	264	811854	13.87	ng/ul	0.00

Target Compounds

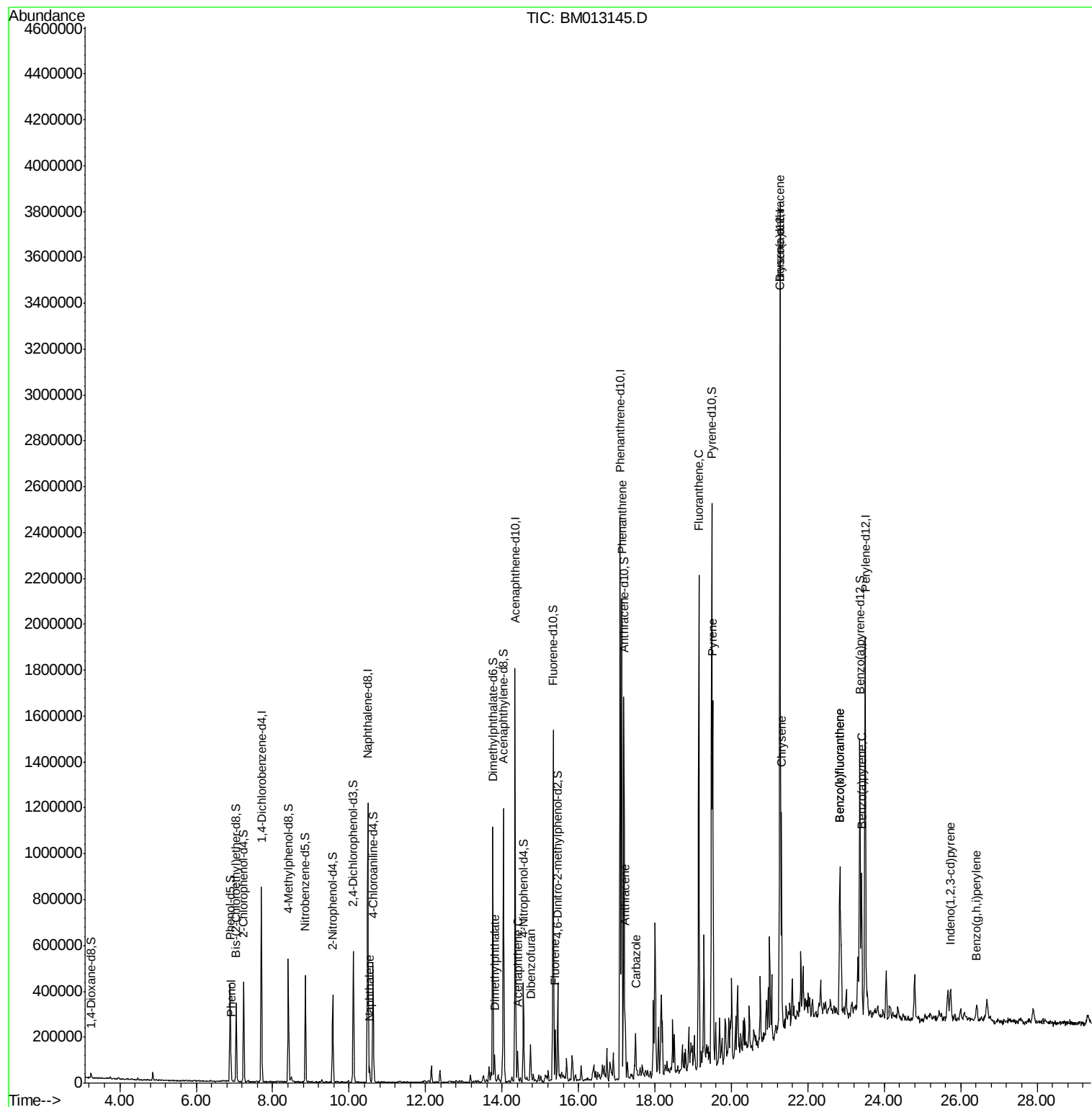
					Ovalue
6) Phenol	6.92	94	30583	1.66 ng/ul#	80
28) Naphthalene	10.53	128	52452	1.09 ng/ul	99
44) Dimethylphthalate	13.80	163	68204	1.41 ng/ul#	95
49) Acenaphthene	14.41	153	49171	1.23 ng/ul	98
53) Dibenzofuran	14.75	168	81006	1.41 ng/ul	96
58) Fluorene	15.39	166	85694	1.82 ng/ul	99
69) Phenanthrene	17.13	178	1183841	15.73 ng/ul	98
71) Anthracene	17.22	178	280414	3.59 ng/ul	97
72) Carbazole	17.50	167	110144	1.63 ng/ul	99
74) Fluoranthene	19.15	202	1249387	13.74 ng/ul#	93
77) Pyrene	19.52	202	977568	10.70 ng/ul#	95
80) Benzo(a)anthracene	21.26	228	623693	6.64 ng/ul	100
82) Chrysene	21.31	228	531937	6.11 ng/ul	96
85) Benzo(b)fluoranthene	22.84	252	450839	6.04 ng/ul#	98
86) Benzo(k)fluoranthene	22.84	252	450839	6.57 ng/ul#	97
88) Benzo(a)pyrene	23.40	252	300010	4.32 ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	25.73	276	119047	1.47 ng/ul#	93
91) Benzo(g,h,i)perylene	26.41	276	78946	1.17 ng/ul#	93

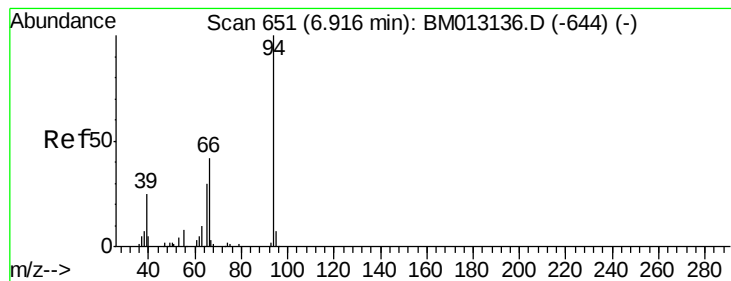
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 1.66 ng/ul

RT: 6.92 min Scan# 651

Delta R.T. -0.00 min

Lab File: BM013145.D

Acq: 28 Nov 2017 20:19

Instrument :

BNA_M

ClientSampleId :

B0GE4

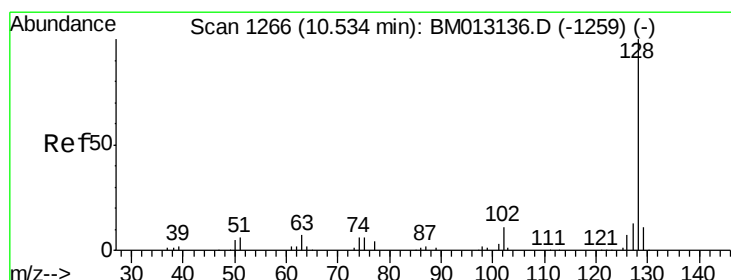
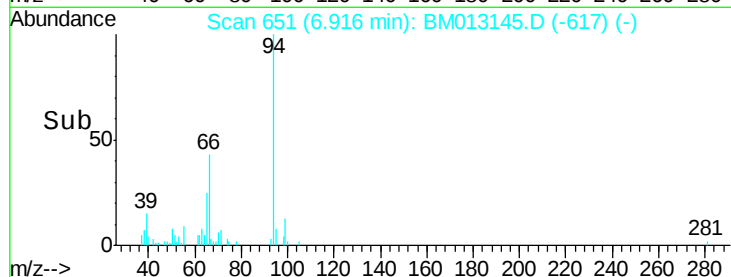
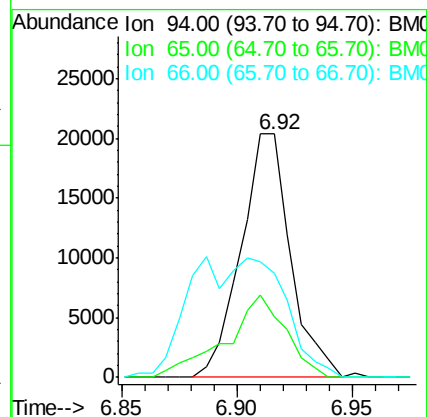
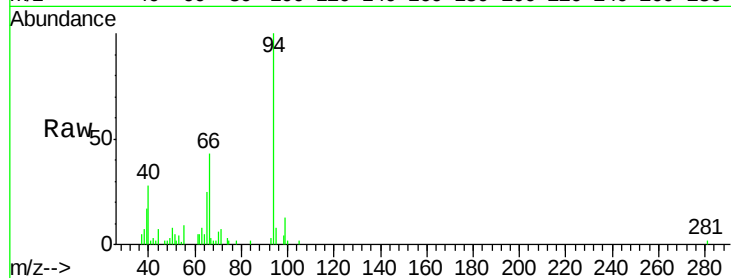
Tot Ion: 94 Resp: 30583

Ion Ratio Lower Upper

94 100

65 25.1 28.2 42.4#

66 43.0 47.2 70.8#



#28

Naphthalene

Concen: 1.09 ng/ul

RT: 10.53 min Scan# 1266

Delta R.T. -0.00 min

Lab File: BM013145.D

Acq: 28 Nov 2017 20:19

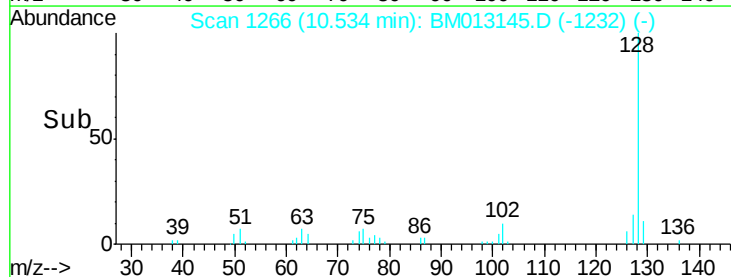
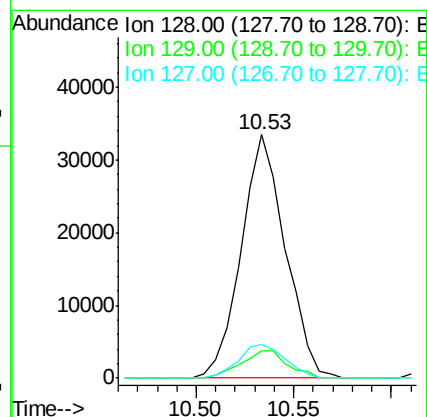
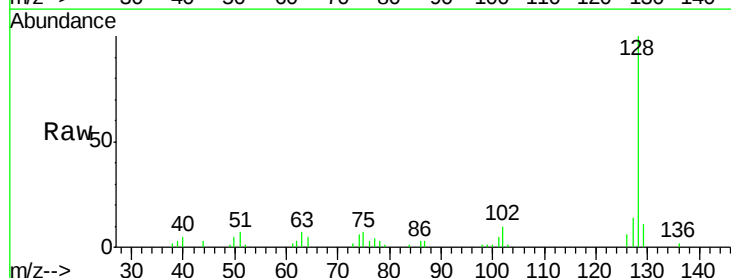
Tgt Ion: 128 Resp: 52452

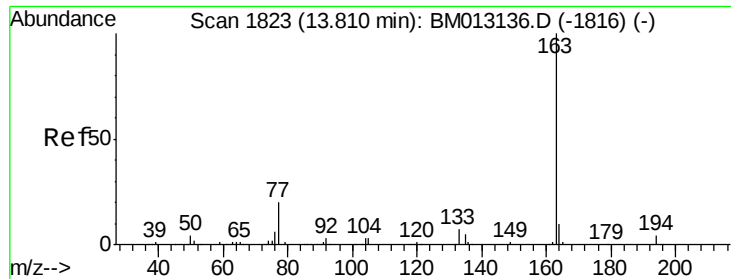
Ion Ratio Lower Upper

128 100

129 11.4 8.8 13.2

127 13.6 10.6 16.0

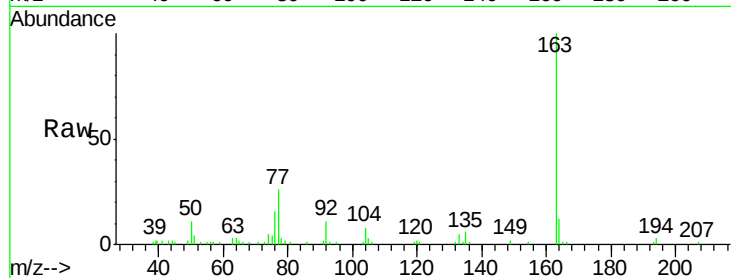




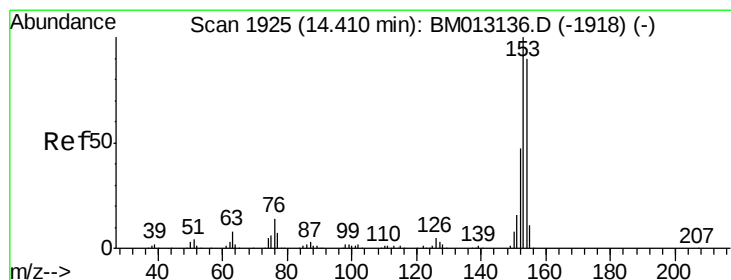
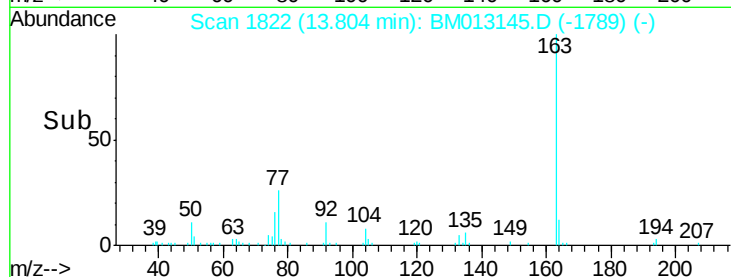
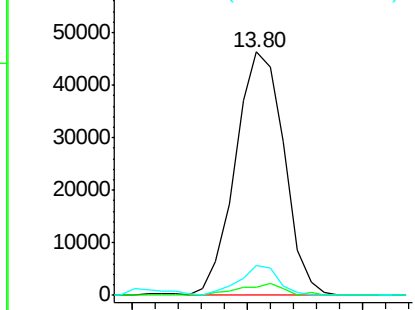
#44
Dimethylphthalate
Concen: 1.41 ng/ul
RT: 13.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BM013145.D
Acq: 28 Nov 2017 20:19

Instrument :
BNA_M
ClientSampleId :
B0GE4

Tot Ion:163 Resp: 68204
Ion Ratio Lower Upper
163 100
194 3.4 3.5 5.3#
164 12.3 8.2 12.4

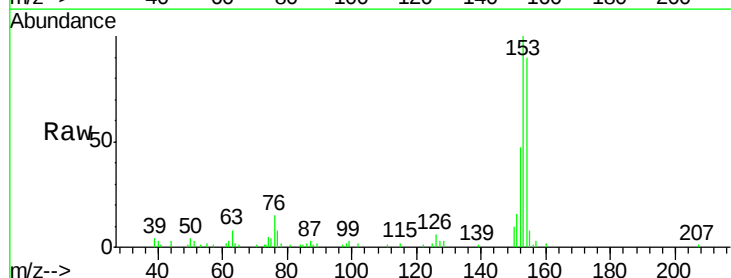


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

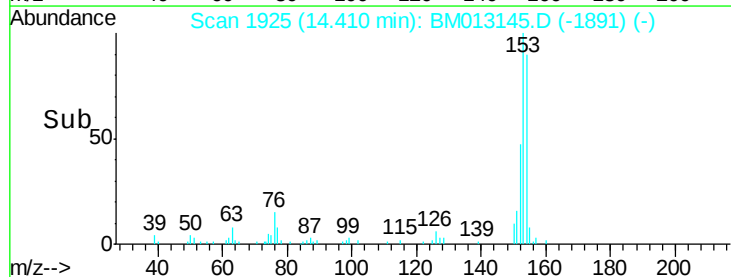
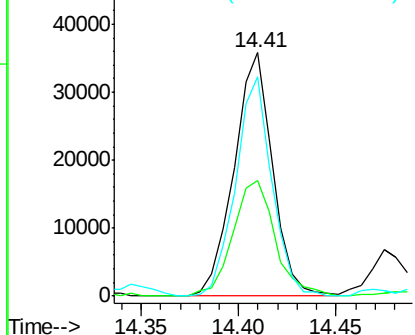


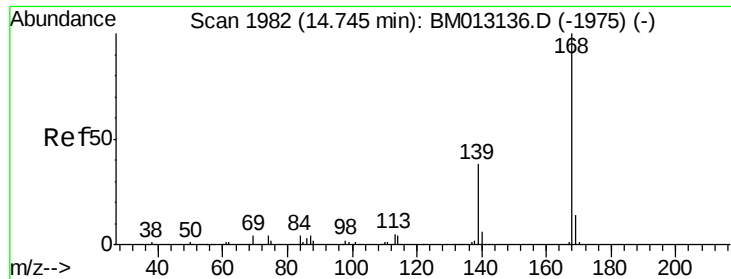
#49
Acenaphthene
Concen: 1.23 ng/ul
RT: 14.41 min Scan# 1925
Delta R.T. -0.00 min
Lab File: BM013145.D
Acq: 28 Nov 2017 20:19

Tgt Ion:153 Resp: 49171
Ion Ratio Lower Upper
153 100
152 47.4 37.6 56.4
154 90.3 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





#53

Diben-zofuran

Concen: 1.41 ng/ul

RT: 14.75 min Scan# 1982

Delta R.T. -0.00 min

Lab File: BM013145.D

Acq: 28 Nov 2017 20:19

Instrument :

BNA_M

ClientSampleId :

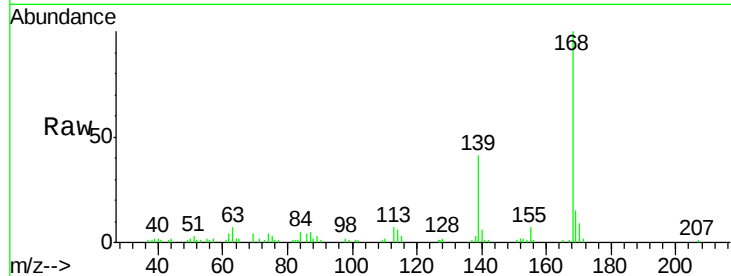
B0GE4

Tot Ion:168 Resp: 81006

Ion Ratio Lower Upper

168 100

139 40.8 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.75

60000

50000

40000

30000

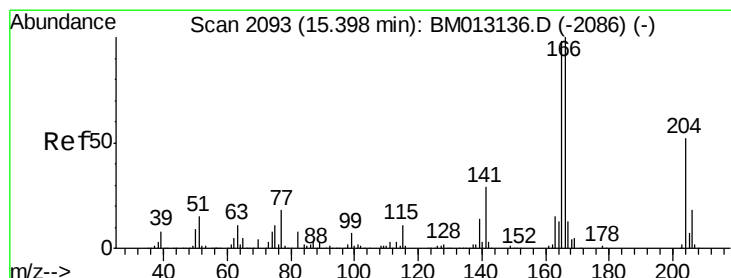
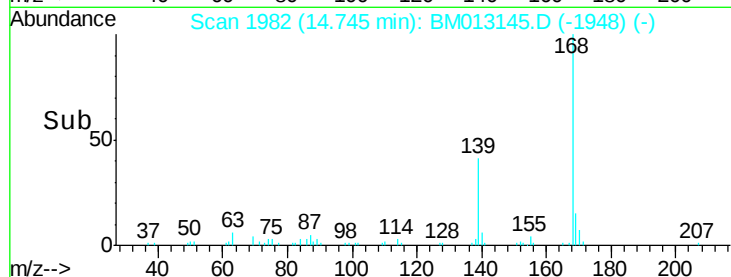
20000

10000

0

Time-->

14.70 14.75 14.80



#58

Fluorene

Concen: 1.82 ng/ul

RT: 15.39 min Scan# 2092

Delta R.T. -0.01 min

Lab File: BM013145.D

Acq: 28 Nov 2017 20:19

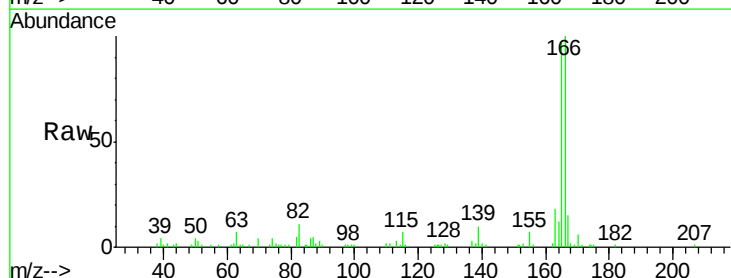
Tgt Ion:166 Resp: 85694

Ion Ratio Lower Upper

166 100

165 97.4 77.9 116.9

167 15.4 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

15.39

80000

60000

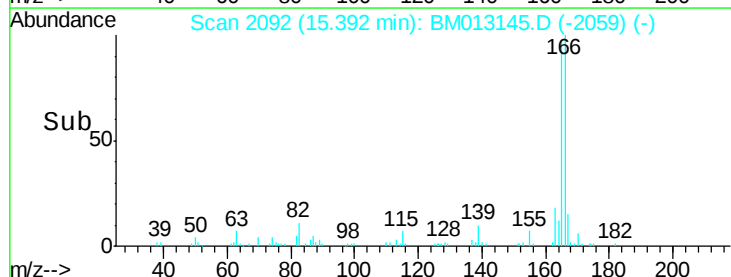
40000

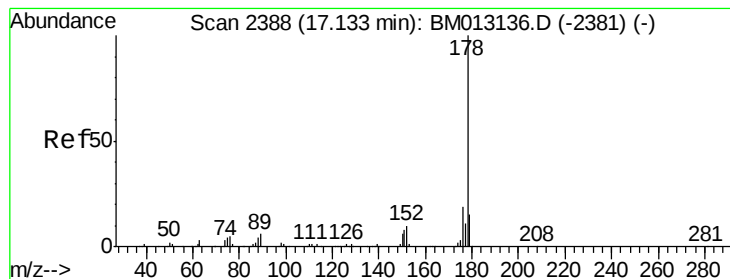
20000

0

Time-->

15.35 15.40 15.45





#69

Phenanthrene

Concen: 15.73 ng/ul

RT: 17.13 min Scan# 2388

Delta R.T. -0.00 min

Lab File: BM013145.D

Acq: 28 Nov 2017 20:19

Instrument :

BNA_M

ClientSampleId :

B0GE4

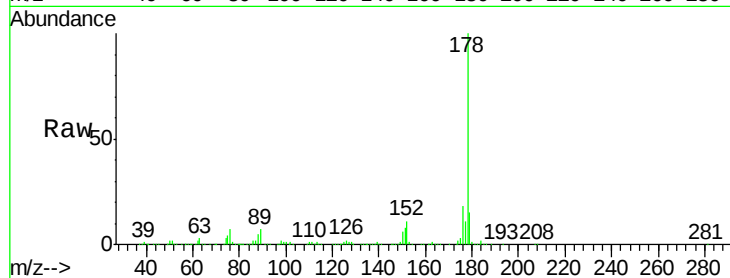
Tot Ion:178 Resp: 1183841

Ion Ratio Lower Upper

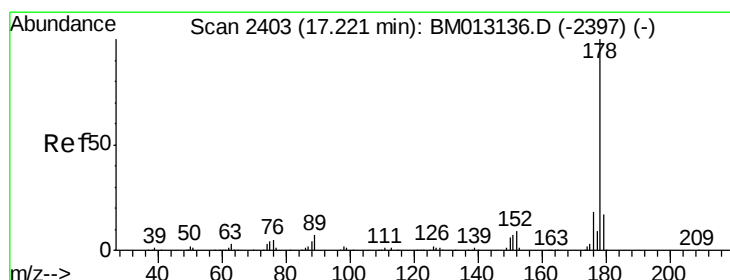
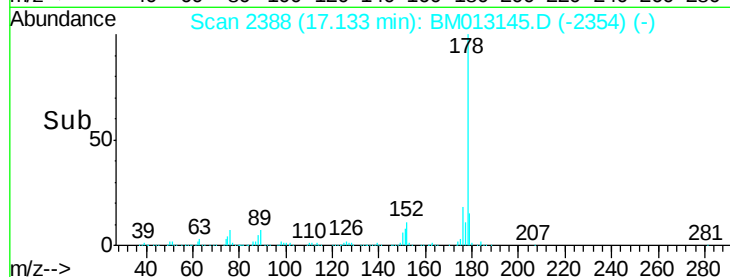
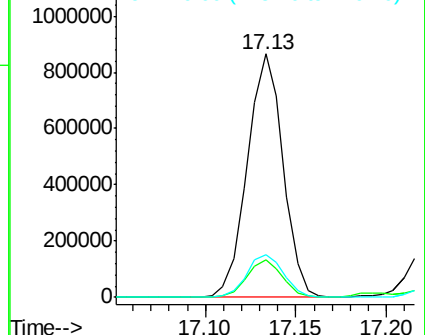
178 100

179 15.4 12.6 19.0

176 17.6 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: 3.59 ng/ul

RT: 17.22 min Scan# 2403

Delta R.T. -0.00 min

Lab File: BM013145.D

Acq: 28 Nov 2017 20:19

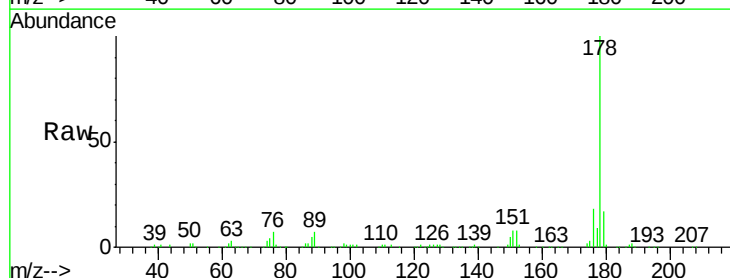
Tgt Ion:178 Resp: 280414

Ion Ratio Lower Upper

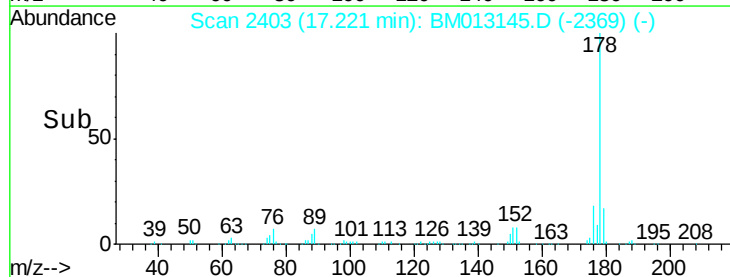
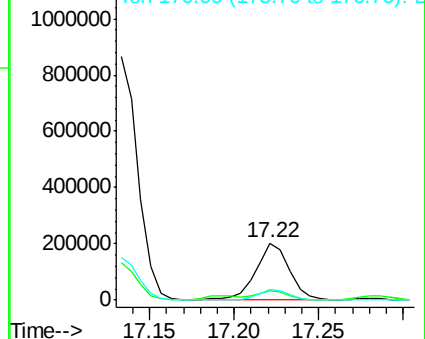
178 100

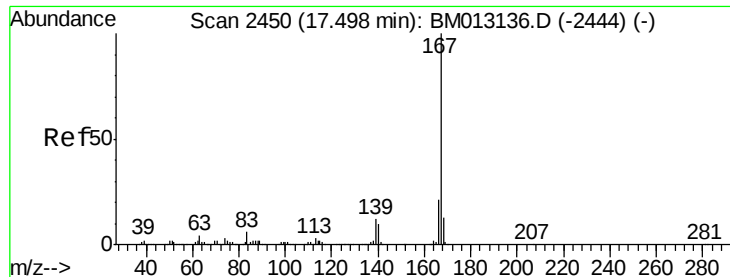
179 16.5 11.7 17.5

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





#72

Carbazole

Concen: 1.63 ng/ul

RT: 17.50 min Scan# 2450

Delta R.T. -0.00 min

Lab File: BM013145.D

Acq: 28 Nov 2017 20:19

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ClientSampleId :

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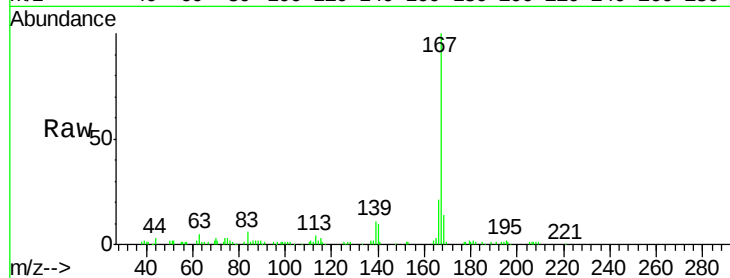
Tot Ion:167 Resp: 110144

Ion Ratio Lower Upper

167 100

166 21.4 17.1 25.7

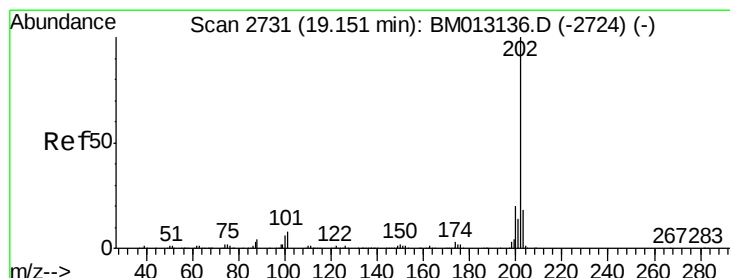
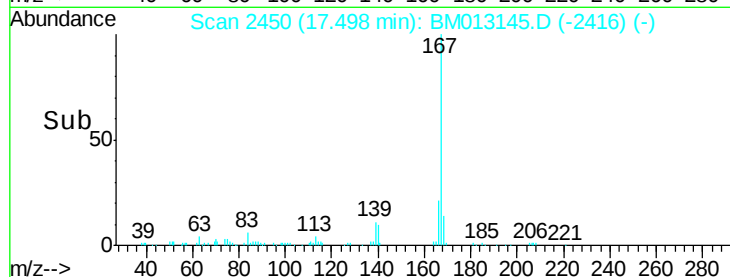
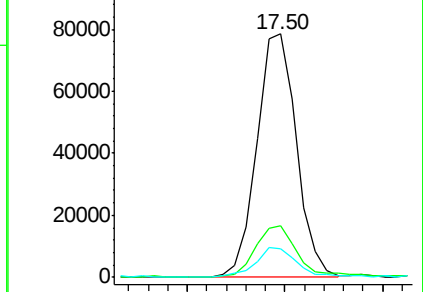
139 11.5 10.0 15.0



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 13.74 ng/ul

RT: 19.15 min Scan# 2731

Delta R.T. -0.00 min

Lab File: BM013145.D

Acq: 28 Nov 2017 20:19

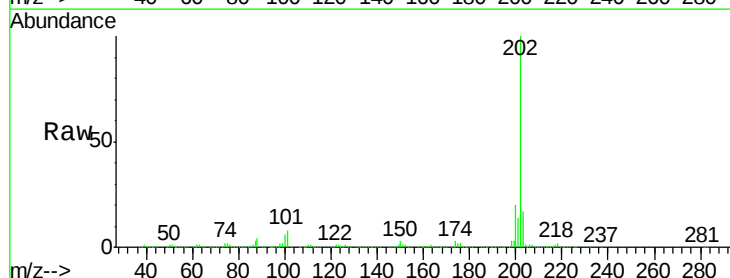
Tgt Ion:202 Resp: 1249387

Ion Ratio Lower Upper

202 100

101 8.1 4.6 7.0#

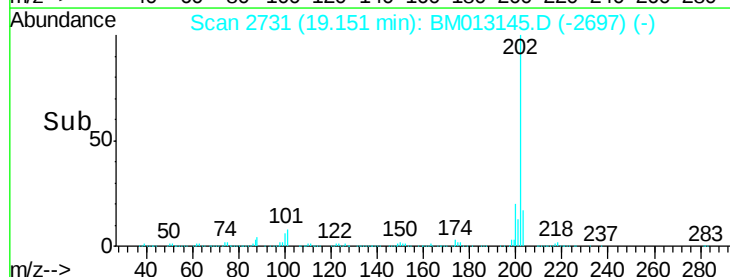
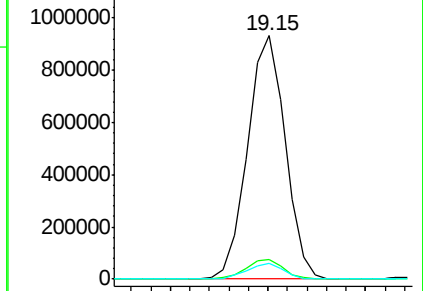
100 6.4 3.4 5.2#

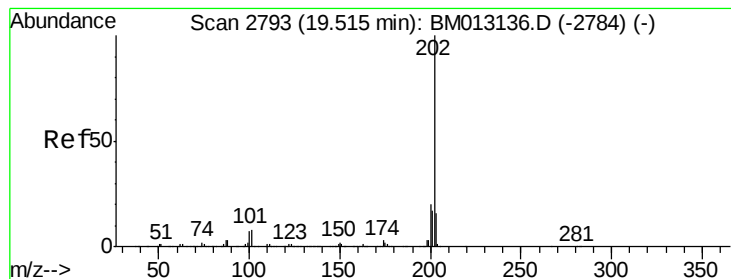


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 10.70 ng/ul

RT: 19.52 min Scan# 2793

Delta R.T. -0.00 min

Lab File: BM013145.D

Acq: 28 Nov 2017 20:19

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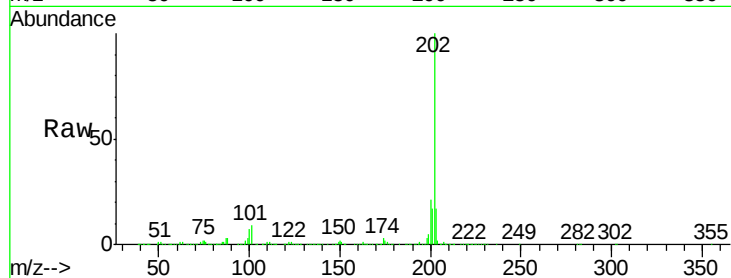
Tot Ion:202 Resp: 977568

Ion Ratio Lower Upper

202 100

101 9.1 5.1 7.7#

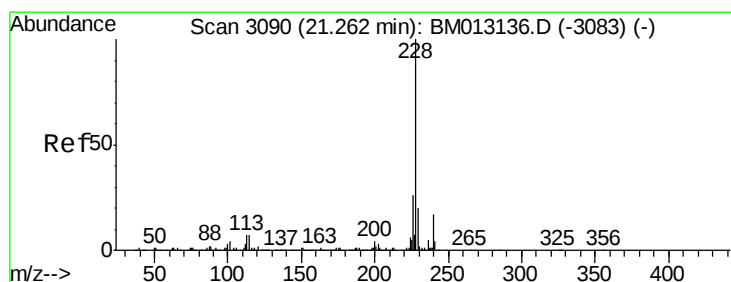
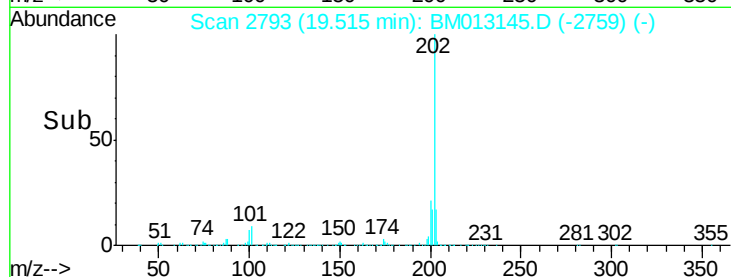
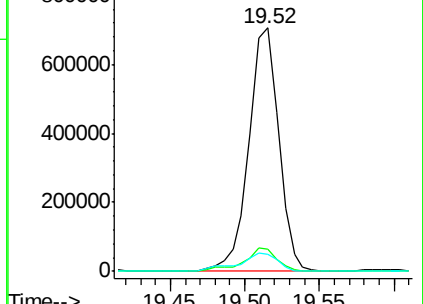
100 7.1 4.9 7.3



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: 6.64 ng/ul

RT: 21.26 min Scan# 3090

Delta R.T. -0.00 min

Lab File: BM013145.D

Acq: 28 Nov 2017 20:19

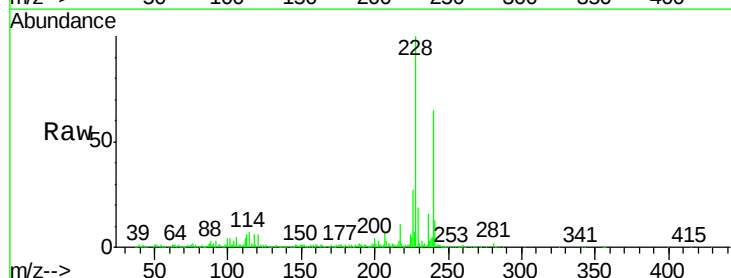
Tgt Ion:228 Resp: 623693

Ion Ratio Lower Upper

228 100

229 19.4 15.4 23.0

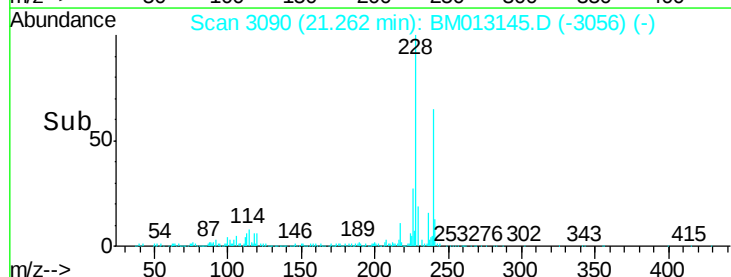
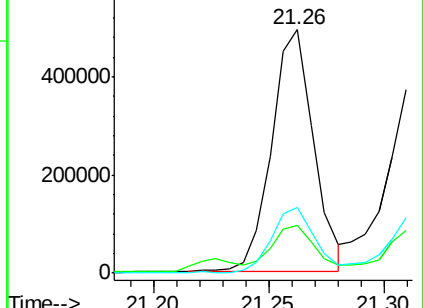
226 26.8 21.4 32.0

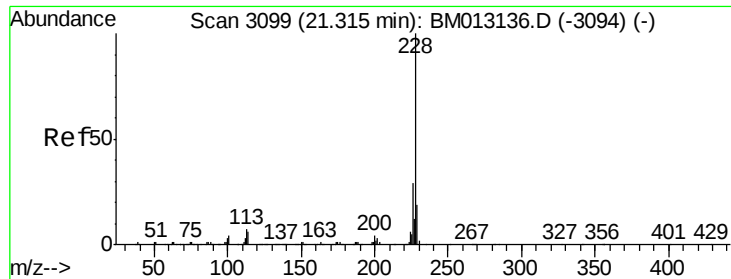


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

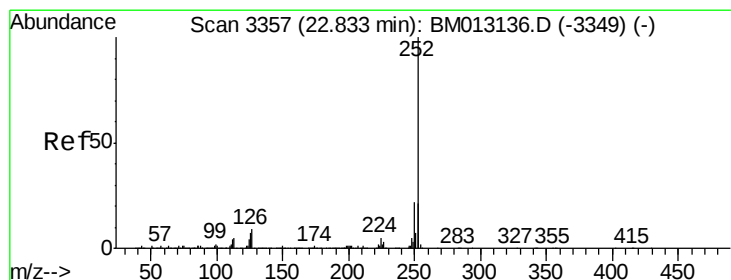
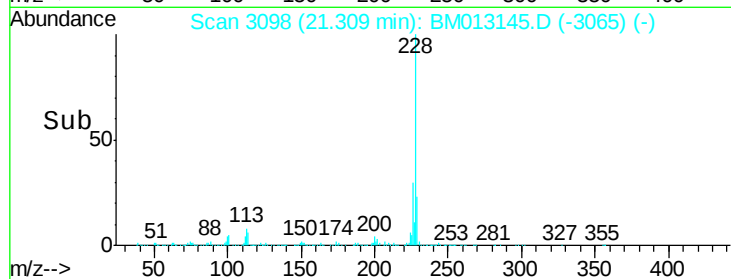
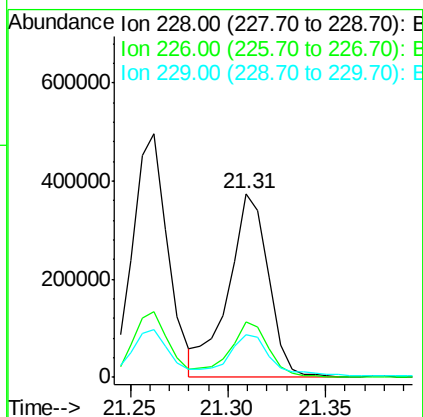
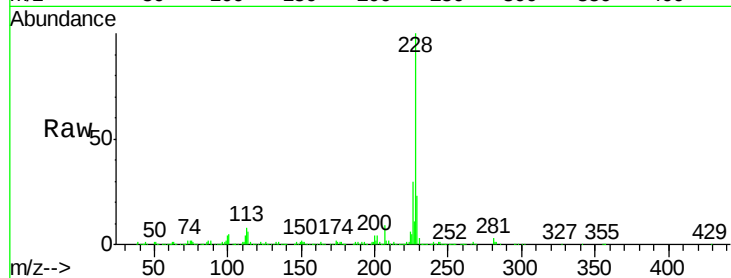




#82
Chrysene
Concen: 6.11 ng/ul
RT: 21.31 min Scan# 3098
Delta R.T. -0.01 min
Lab File: BM013145.D
Acq: 28 Nov 2017 20:19

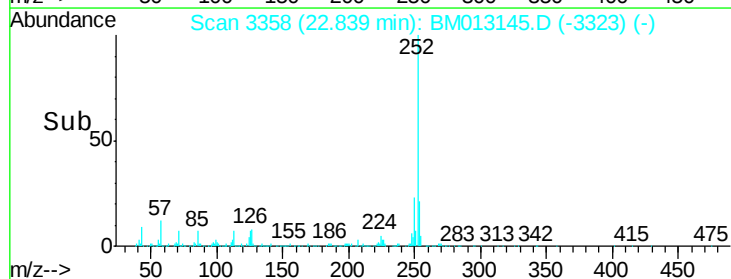
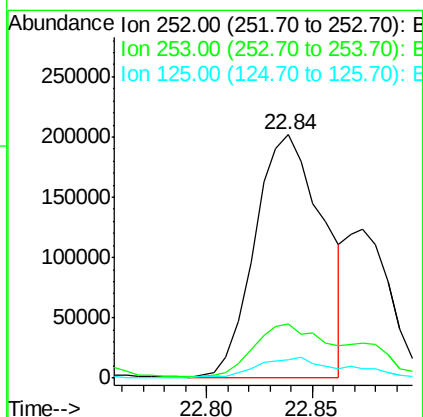
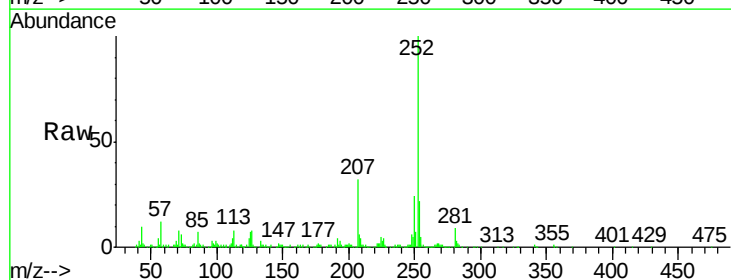
Instrument :
BNA_M
ClientSampleId :
B0GE4

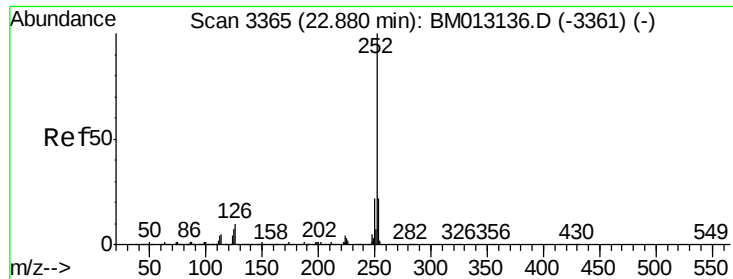
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.4	35.2
229	23.0	15.5	23.3



#85
Benzo(b)fluoranthene
Concen: 6.04 ng/ul
RT: 22.84 min Scan# 3358
Delta R.T. 0.01 min
Lab File: BM013145.D
Acq: 28 Nov 2017 20:19

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.9	26.9
125	7.4	3.6	5.4

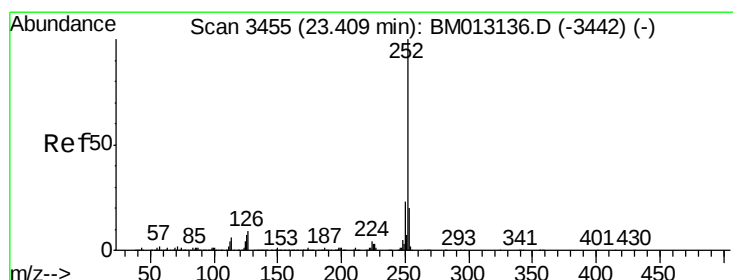
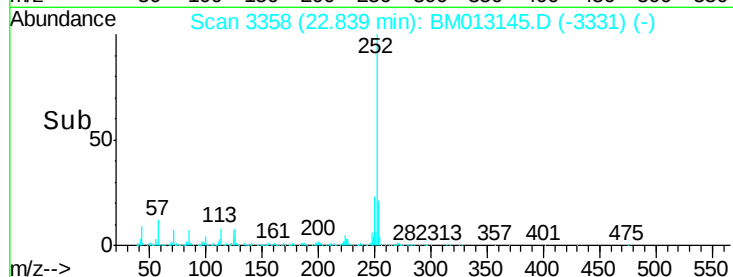
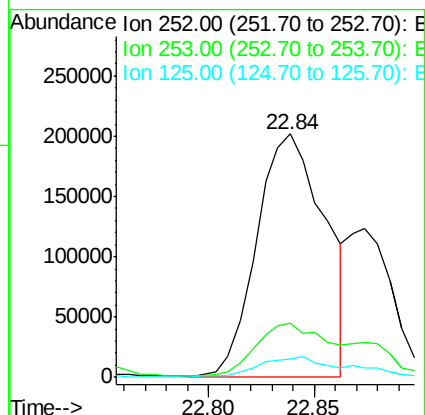
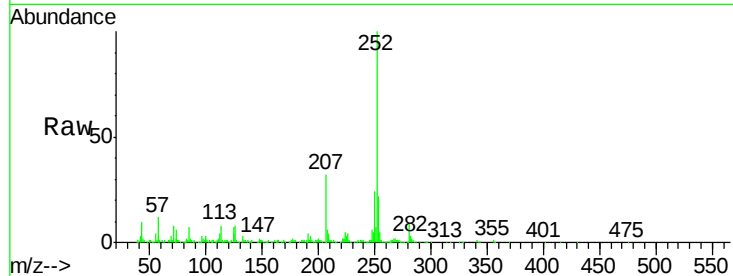




#86
Benzo(k)fluoranthene
Concen: 6.57 ng/ul
RT: 22.84 min Scan# 3358
Delta R.T. -0.04 min
Lab File: BM013145.D
Acq: 28 Nov 2017 20:19

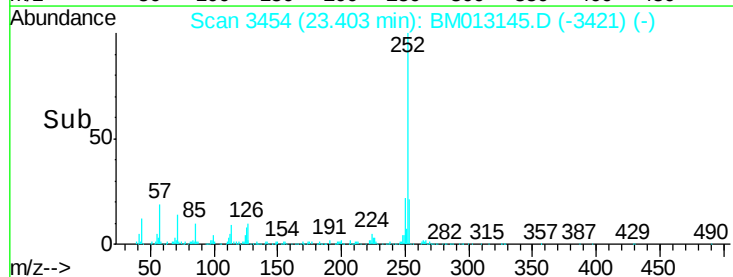
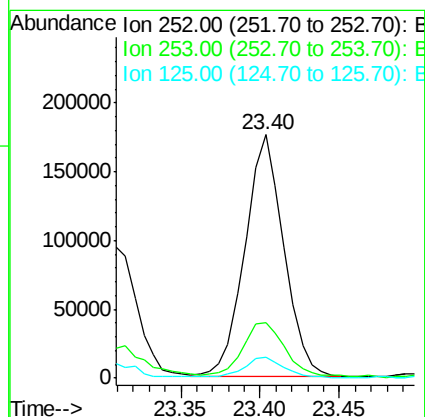
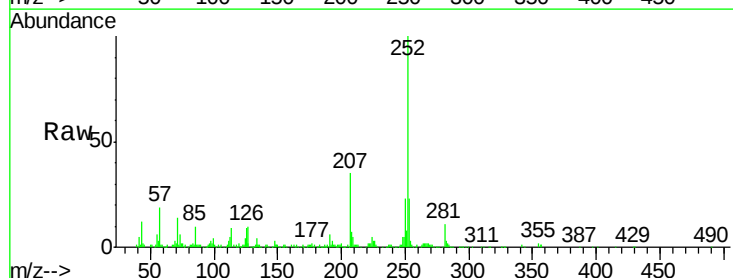
Instrument :
BNA_M
ClientSampleId :
B0GE4

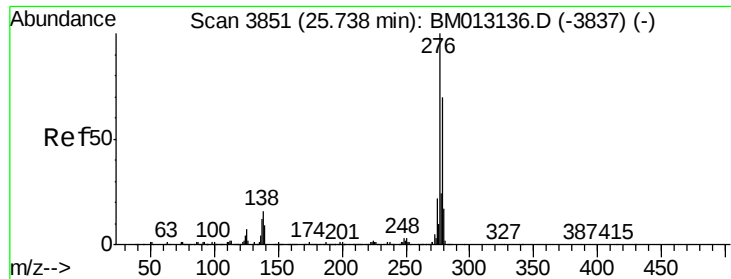
Tot Ion:252 Resp: 450839
Ion Ratio Lower Upper
252 100
253 22.2 17.1 25.7
125 7.4 3.4 5.2#



#88
Benzo(a)pyrene
Concen: 4.32 ng/ul
RT: 23.40 min Scan# 3454
Delta R.T. -0.01 min
Lab File: BM013145.D
Acq: 28 Nov 2017 20:19

Tgt Ion:252 Resp: 300010
Ion Ratio Lower Upper
252 100
253 22.7 18.2 27.2
125 8.7 4.0 6.0#

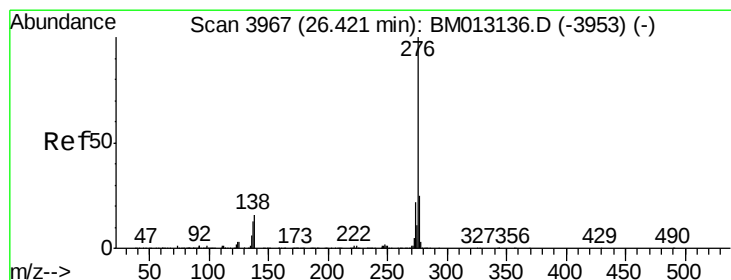
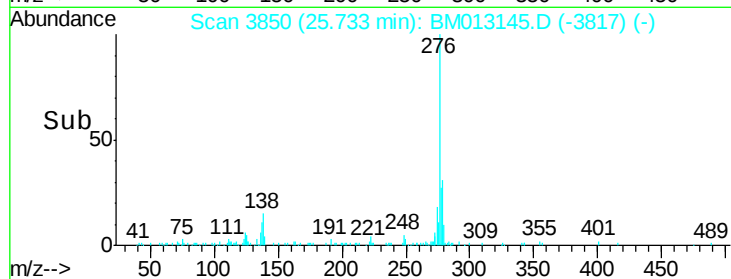
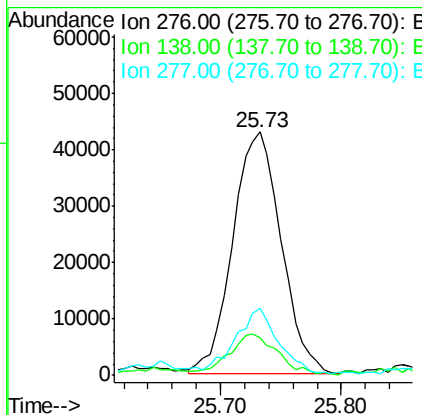
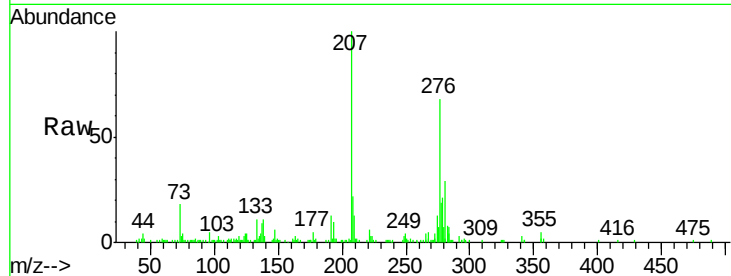




#89
 Indeno(1,2,3-cd)pyrene
 Concen: 1.47 ng/ul
 RT: 25.73 min Scan# 3850
 Delta R.T. -0.01 min
 Lab File: BM013145.D
 Acq: 28 Nov 2017 20:19

Instrument :
 BNA_M
 ClientSampleId :
 B0GE4

Tot Ion	Ratio	Lower	Upper
276	100		
138	15.6	9.3	13.9#
277	27.4	19.9	29.9



#91
 Benzo(g,h,i)perylene
 Concen: 1.17 ng/ul
 RT: 26.41 min Scan# 3966
 Delta R.T. -0.01 min
 Lab File: BM013145.D
 Acq: 28 Nov 2017 20:19

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.9	8.5	12.7#
277	24.8	18.6	28.0

