

Data File : BM013450.D
Acq On : 15 Dec 2017 22:09
Operator : SJ/JU
Sample : I6778-16
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
F9A81

Quant Time: Dec 16 00:23:46 2017
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Dec 16 00:23:08 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	268604	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	1163292	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	682040	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	1539875	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	1352308	20.00	ng/ul	0.00
83) Perylene-d12	23.48	264	1093434	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	24180	4.46	ng/uL	0.00
5) Phenol-d5	6.85	99	621396	26.74	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	374194	28.23	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	498060	27.43	ng/ul	0.00
13) 4-Methylphenol-d8	8.38	113	551359	27.77	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	273189	29.61	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	301556	30.54	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.08	165	557814	27.42	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	511767	27.37	ng/ul	0.00
43) Dimethylphthalate-d6	13.73	166	2006488	33.06	ng/ul	0.00
46) Acenaphthylene-d8	14.01	160	2355344	31.45	ng/ul	0.00
51) 4-Nitrophenol-d4	14.53	143	315963	29.96	ng/ul	0.00
57) Fluorene-d10	15.32	176	1646874	31.55	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.44	200	280414	28.95	ng/ul	0.00
70) Anthracene-d10	17.17	188	2646757	34.32	ng/ul	0.00
76) Pyrene-d10	19.47	212	2794154	41.47	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	1961823	35.22	ng/ul	0.00

Target Compounds

						Qvalue
6) Phenol	6.88	94	68790	2.99	ng/ul#	86
28) Naphthalene	10.50	128	1015807	16.97	ng/ul	99
30) 4-Chloroaniline	10.50	127	136681	7.55	ng/ul#	7
34) 2-Methylnaphthalene	12.12	142	288119	6.40	ng/ul	95
40) 1,1'-Biphenyl	13.15	154	94128	1.63	ng/ul	99
44) Dimethylphthalate	13.78	163	623405	10.74	ng/ul	100
49) Acenaphthene	14.38	153	343279	7.27	ng/ul	99
53) Dibenzofuran	14.72	168	409050	5.87	ng/ul	96
58) Fluorene	15.37	166	437322	7.58	ng/ul	98
69) Phenanthrene	17.11	178	1817652	20.78	ng/ul	99
71) Anthracene	17.20	178	271363	3.03	ng/ul	97
72) Carbazole	17.47	167	210735	2.74	ng/ul	98
74) Fluoranthene	19.13	202	770038	7.18	ng/ul#	92
77) Pyrene	19.49	202	537564	6.54	ng/ul#	88
80) Benzo(a)anthracene	21.24	228	133741	1.56	ng/ul	99
82) Chrysene	21.29	228	112062	1.41	ng/ul	95
85) Benzo(b)fluoranthene	22.82	252	79292	1.08	ng/ul#	95

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

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Sample : I6778-16

Misc :

ALS Vial : 7 Sample Multiplier: 1

Instrument :

BNA_M

ClientSampleId :

F9A81

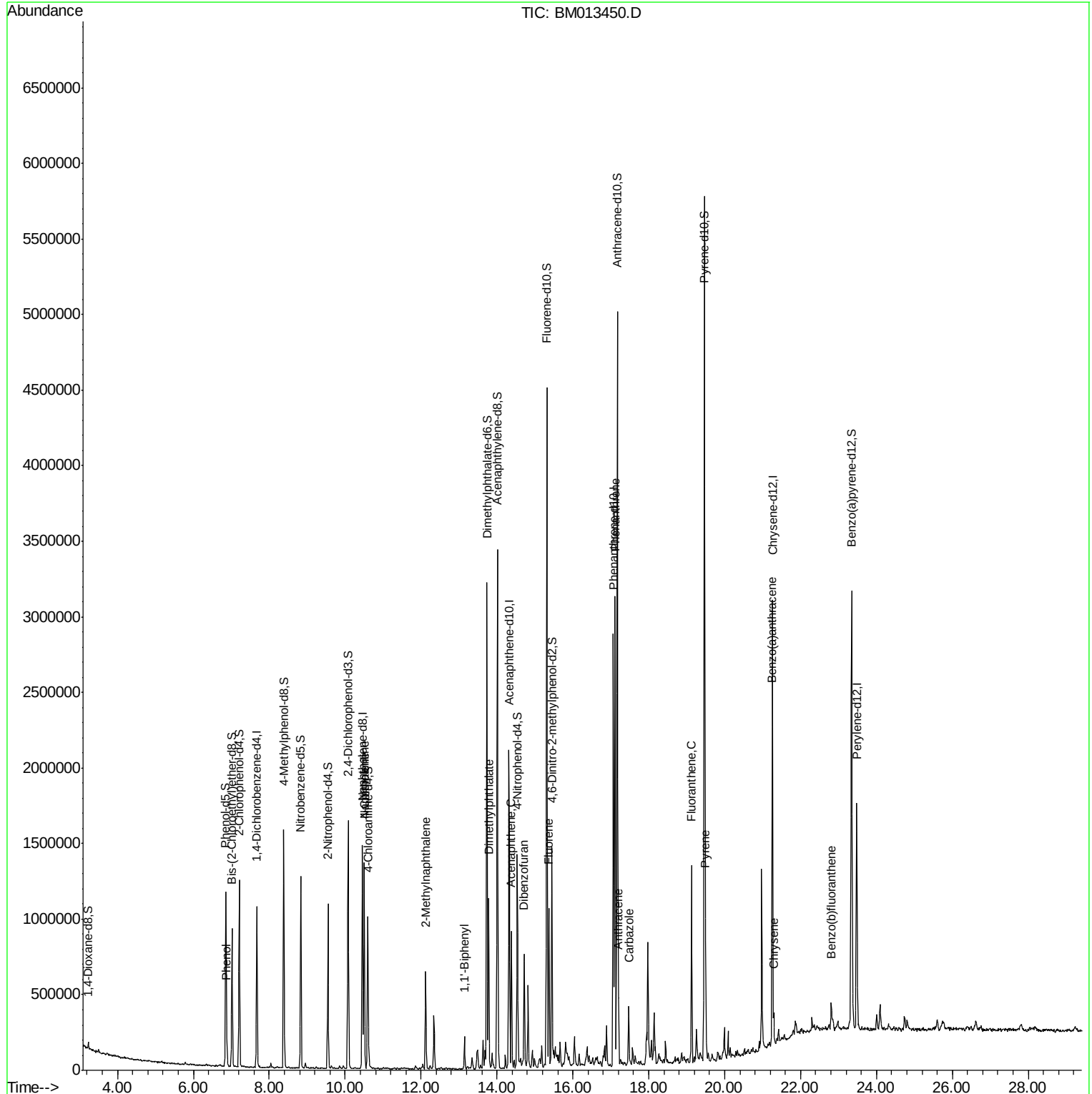
Quant Time: Dec 16 00:23:46 2017

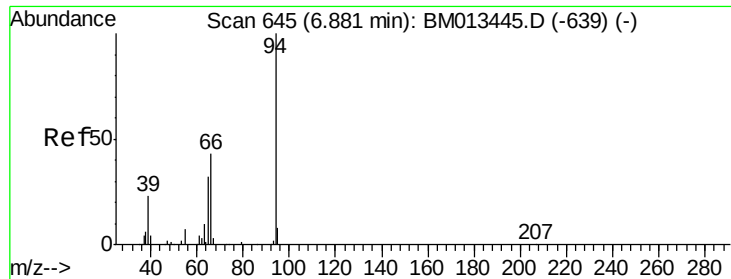
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM113017.M

Quant Title : SVOA CALIBRATION

QLast Update : Sat Dec 16 00:23:08 2017

Response via : Initial Calibration





#6

Phenol

Concen: 2.99 ng/ul

RT: 6.88 min Scan# 645

Delta R.T. -0.00 min

Lab File: BM013450.D

Acq: 15 Dec 2017 22:09

Instrument :

BNA_M

ClientSampleId :

F9A81

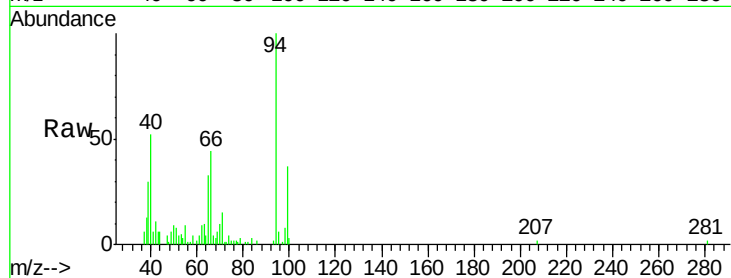
Tgt Ion: 94 Resp: 68790

Ion Ratio Lower Upper

94 100

65 32.9 28.2 42.4

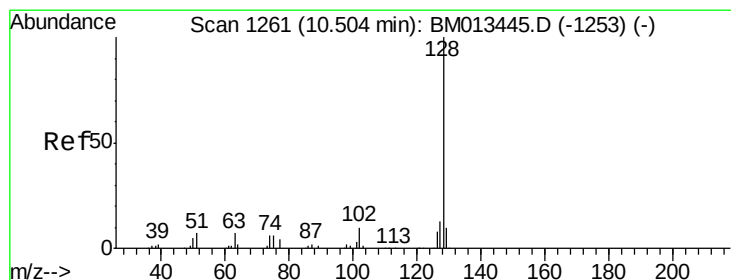
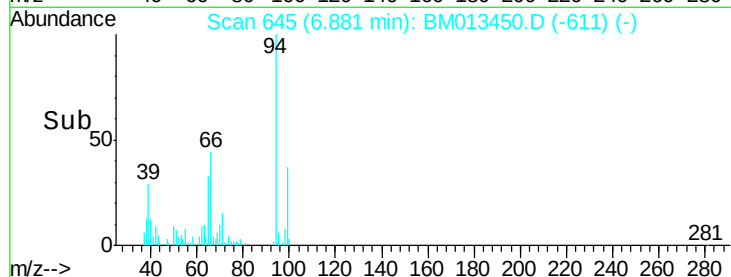
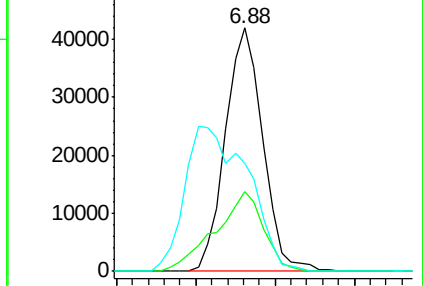
66 44.3 47.2 70.8#



Abundance Ion 94.00 (93.70 to 94.70): BM013445.D (-639) (-)

Ion 65.00 (64.70 to 65.70): BM013445.D (-639) (-)

Ion 66.00 (65.70 to 66.70): BM013445.D (-639) (-)



#28

Naphthalene

Concen: 16.97 ng/ul

RT: 10.50 min Scan# 1261

Delta R.T. -0.00 min

Lab File: BM013450.D

Acq: 15 Dec 2017 22:09

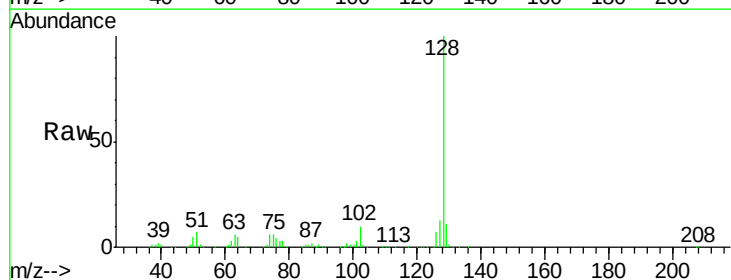
Tgt Ion: 128 Resp: 1015807

Ion Ratio Lower Upper

128 100

129 11.3 8.8 13.2

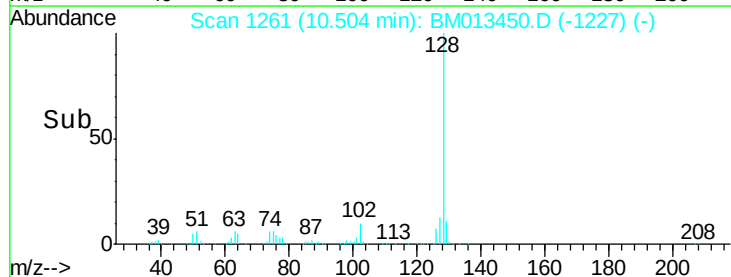
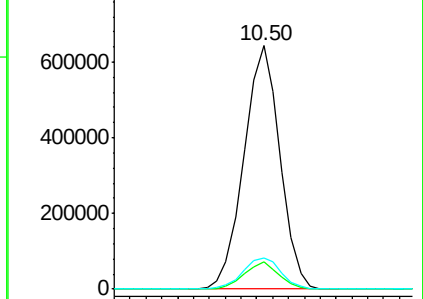
127 12.6 10.6 16.0

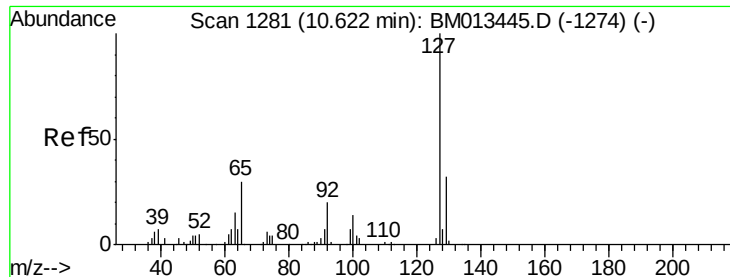


Abundance Ion 128.00 (127.70 to 128.70): BM013445.D (-1253) (-)

Ion 129.00 (128.70 to 129.70): BM013445.D (-1253) (-)

Ion 127.00 (126.70 to 127.70): BM013445.D (-1253) (-)

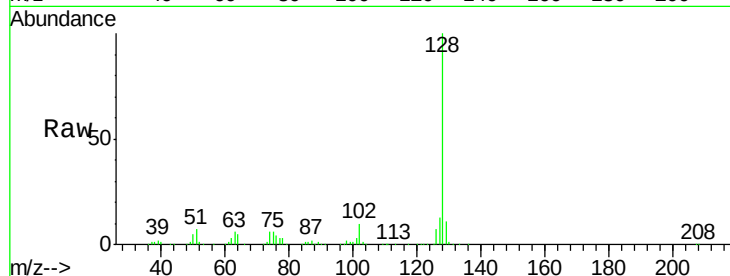




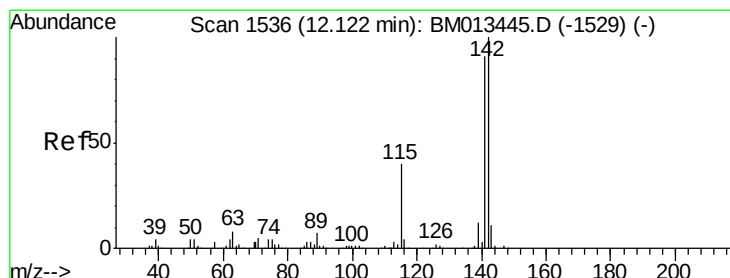
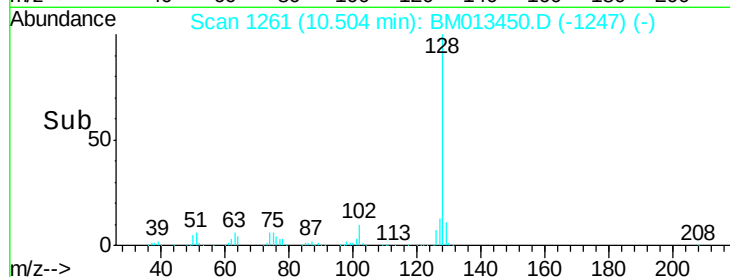
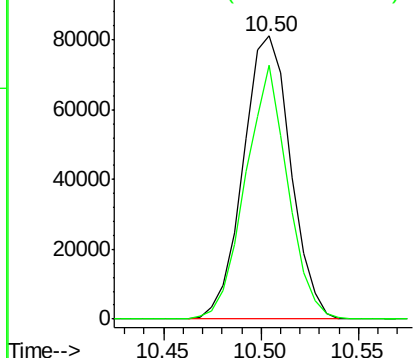
#30
4-Chloroaniline
Concen: 7.55 ng/ul
RT: 10.50 min Scan# 1261
Delta R.T. -0.12 min
Lab File: BM013450.D
Acq: 15 Dec 2017 22:09

Instrument :
BNA_M
ClientSampleId :
F9A81

Tgt Ion:127 Resp: 136681
Ion Ratio Lower Upper
127 100
129 89.6 28.4 42.6#

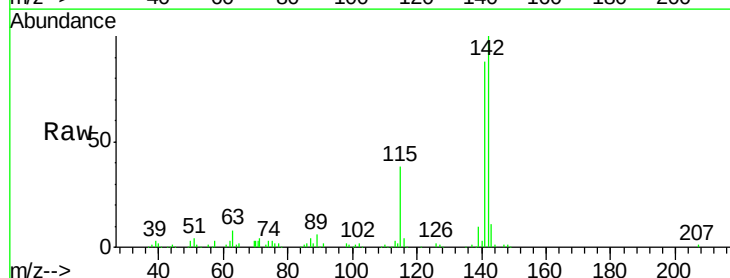


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E

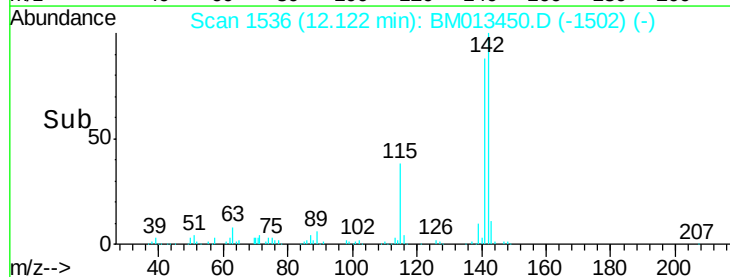
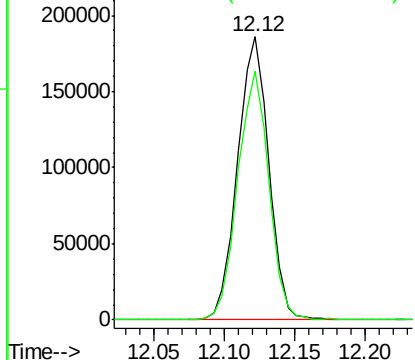


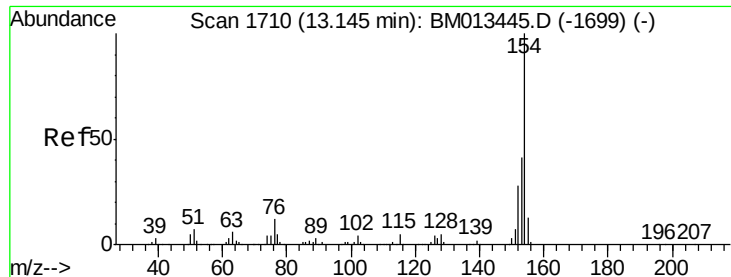
#34
2-Methylnaphthalene
Concen: 6.40 ng/ul
RT: 12.12 min Scan# 1536
Delta R.T. -0.00 min
Lab File: BM013450.D
Acq: 15 Dec 2017 22:09

Tgt Ion:142 Resp: 288119
Ion Ratio Lower Upper
142 100
141 88.1 74.1 111.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E

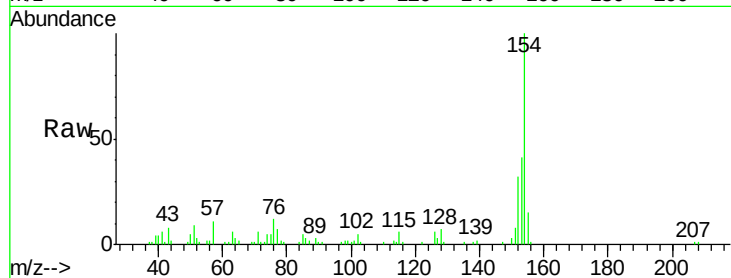




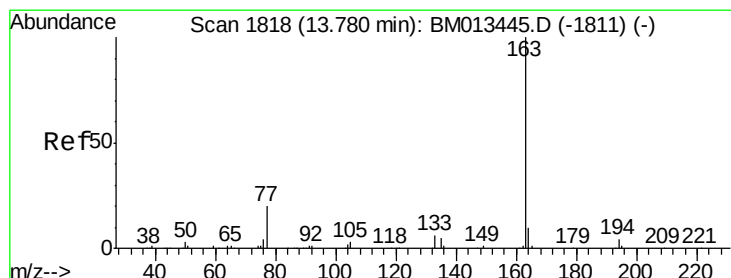
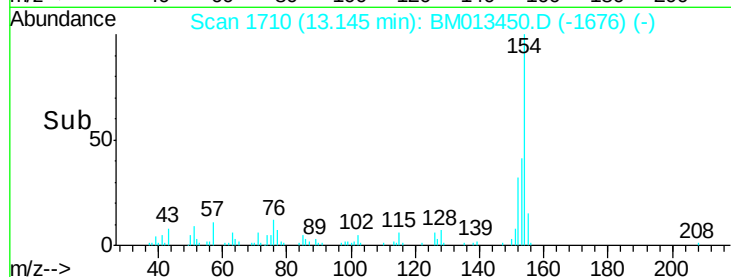
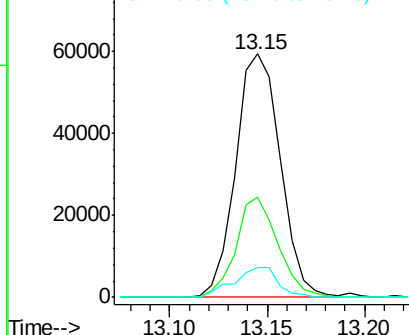
#40
1,1'-Biphenyl
Concen: 1.63 ng/ul
RT: 13.15 min Scan# 1710
Delta R.T. -0.00 min
Lab File: BM013450.D
Acq: 15 Dec 2017 22:09

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ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.0	32.6	48.8
76	12.2	8.5	12.7

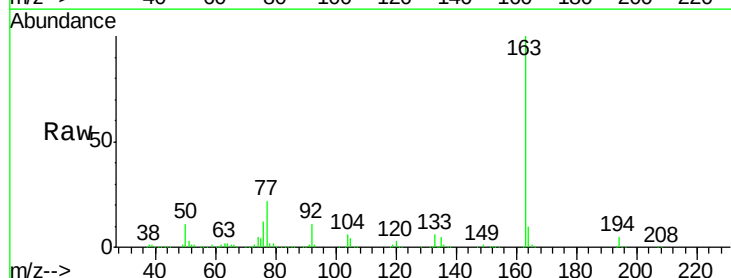


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BM0

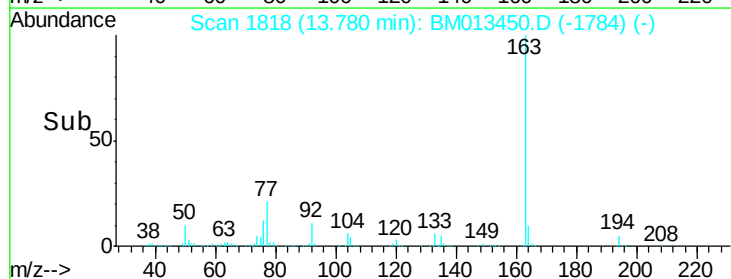
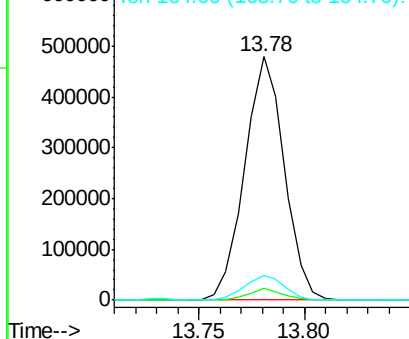


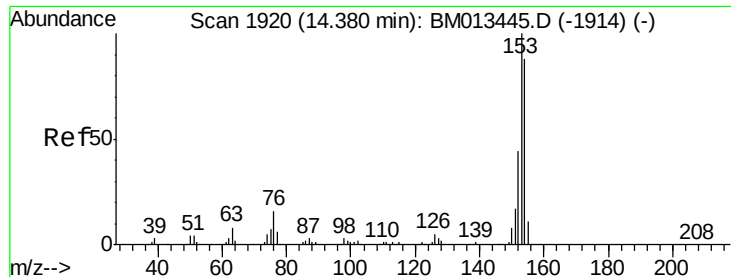
#44
Dimethylphthalate
Concen: 10.74 ng/ul
RT: 13.78 min Scan# 1818
Delta R.T. -0.00 min
Lab File: BM013450.D
Acq: 15 Dec 2017 22:09

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.7	3.5	5.3
164	10.3	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: 7.27 ng/ul

RT: 14.38 min Scan# 1920

Delta R.T. -0.00 min

Lab File: BM013450.D

Acq: 15 Dec 2017 22:09

Instrument :

BNA_M

ClientSampleId :

F9A81

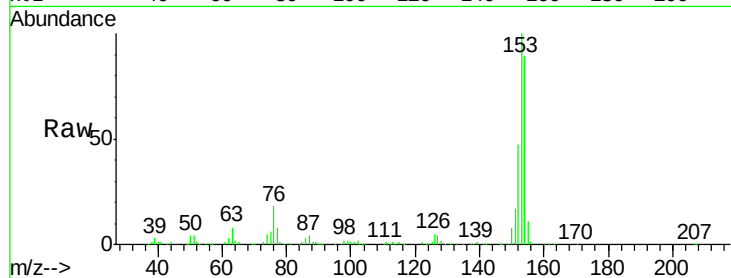
Tgt Ion:153 Resp: 343279

Ion Ratio Lower Upper

153 100

152 47.3 37.6 56.4

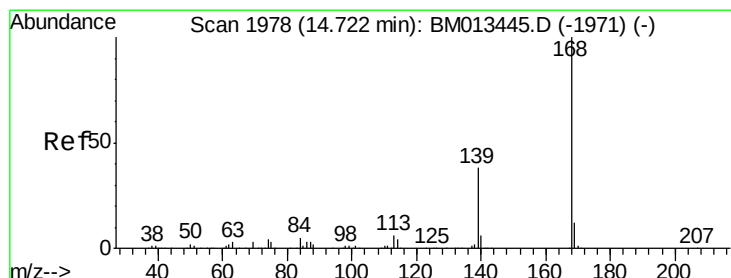
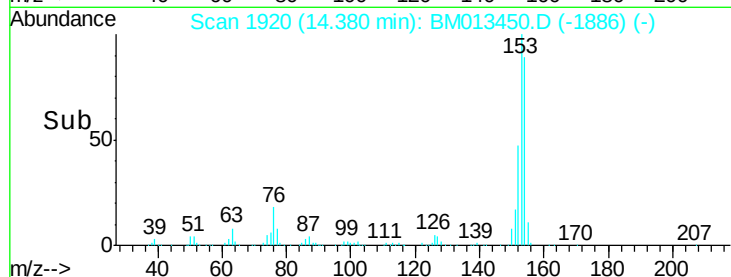
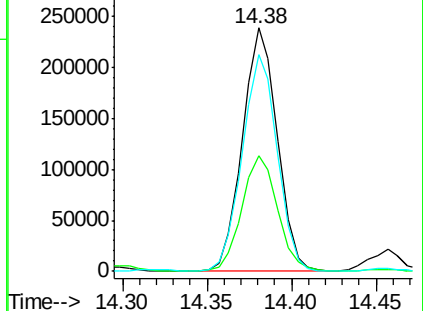
154 89.0 70.4 105.6



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

Dibenzofuran

Concen: 5.87 ng/ul

RT: 14.72 min Scan# 1977

Delta R.T. -0.01 min

Lab File: BM013450.D

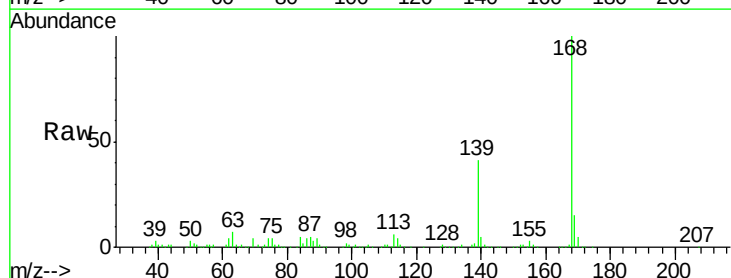
Acq: 15 Dec 2017 22:09

Tgt Ion:168 Resp: 409050

Ion Ratio Lower Upper

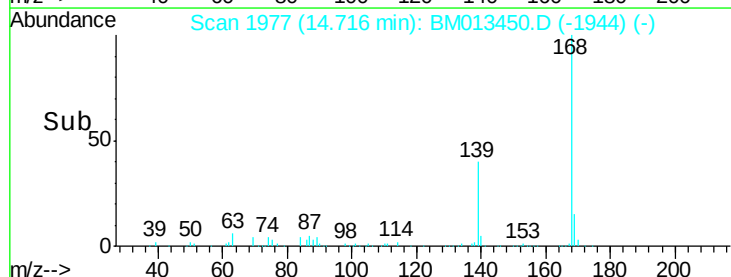
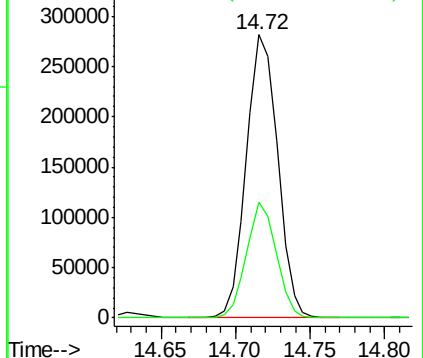
168 100

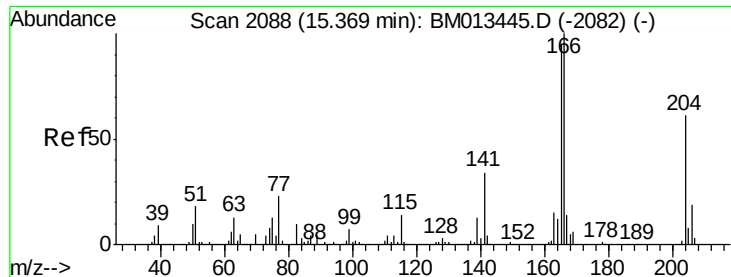
139 40.7 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

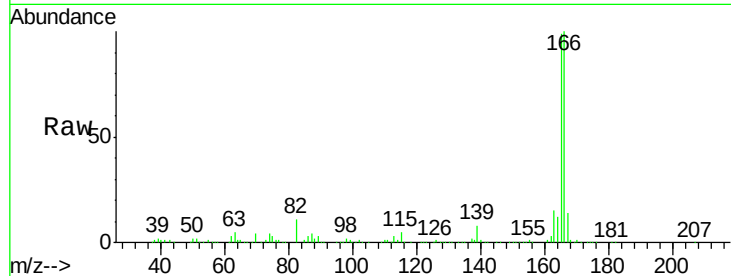




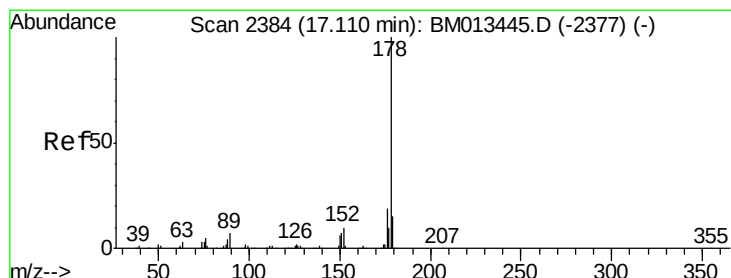
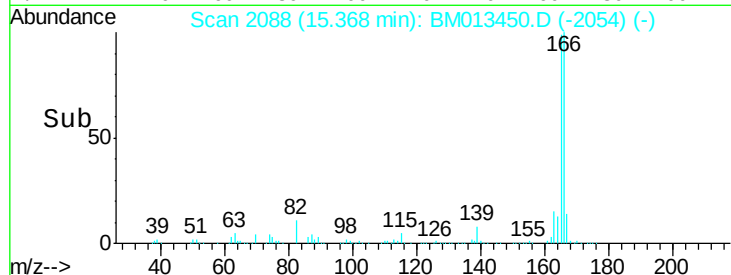
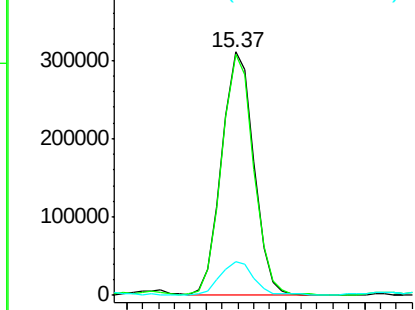
#58
 Fluorene
 Concen: 7.58 ng/ul
 RT: 15.37 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: BM013450.D
 Acq: 15 Dec 2017 22:09

Instrument :
 BNA_M
 ClientSampleId :
 F9A81

Tgt Ion:166 Resp: 437322
 Ion Ratio Lower Upper
 166 100
 165 98.9 77.9 116.9
 167 14.0 10.6 16.0

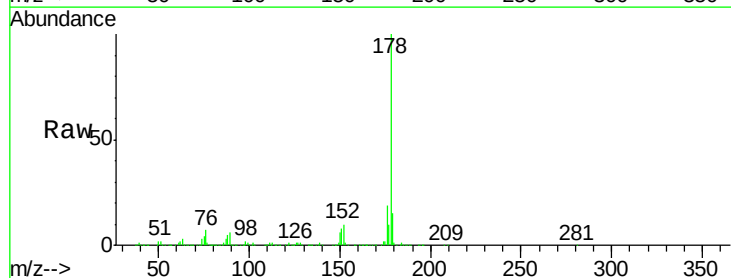


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

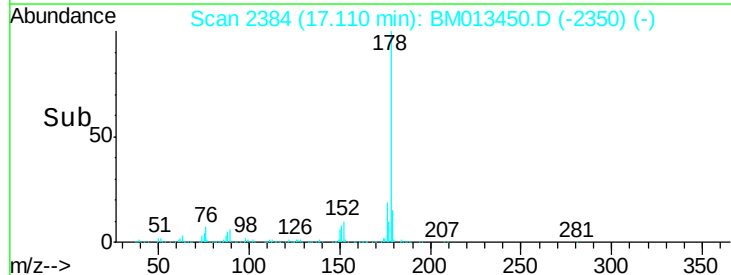
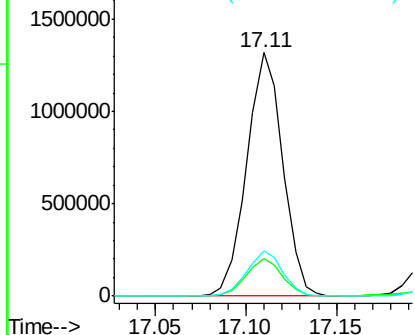


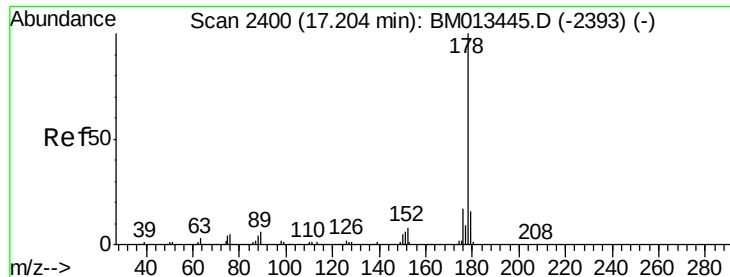
#69
 Phenanthrene
 Concen: 20.78 ng/ul
 RT: 17.11 min Scan# 2384
 Delta R.T. -0.00 min
 Lab File: BM013450.D
 Acq: 15 Dec 2017 22:09

Tgt Ion:178 Resp: 1817652
 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

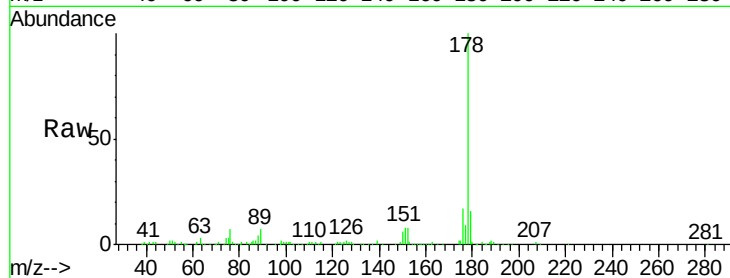




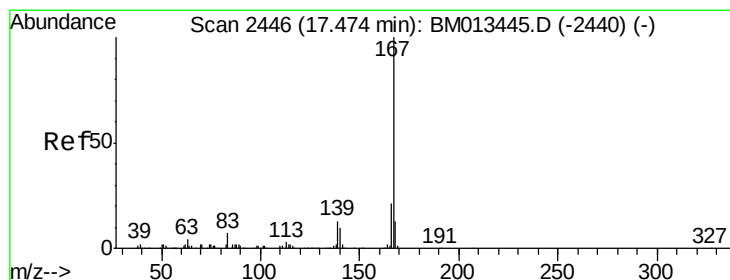
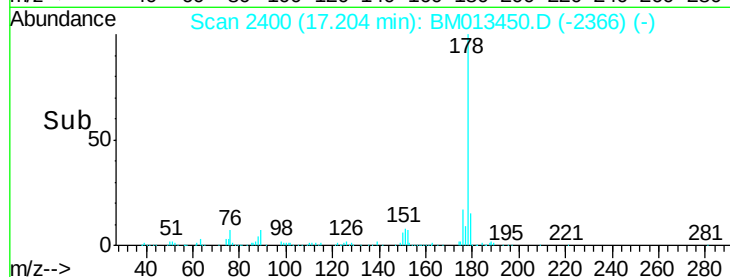
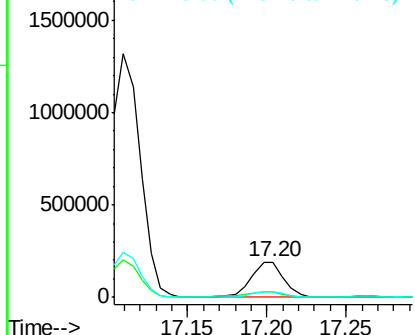
#71
 Anthracene
 Concen: 3.03 ng/ul
 RT: 17.20 min Scan# 2400
 Delta R.T. -0.00 min
 Lab File: BM013450.D
 Acq: 15 Dec 2017 22:09

Instrument :
 BNA_M
 ClientSampleId :
 F9A81

Tgt Ion:178 Resp: 271363
 Ion Ratio Lower Upper
 178 100
 179 15.6 11.7 17.5
 176 16.5 14.6 21.8

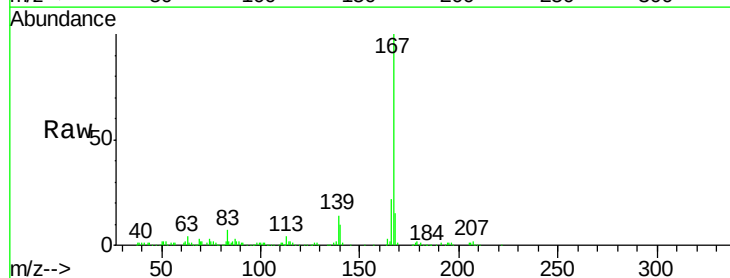


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

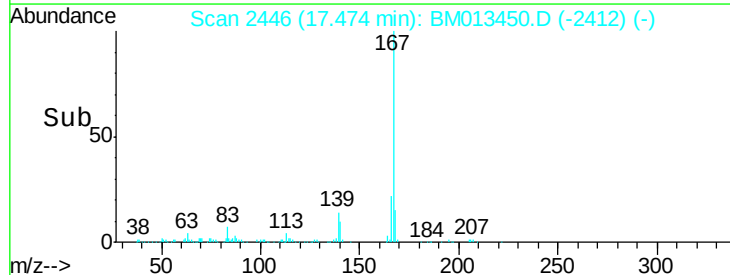
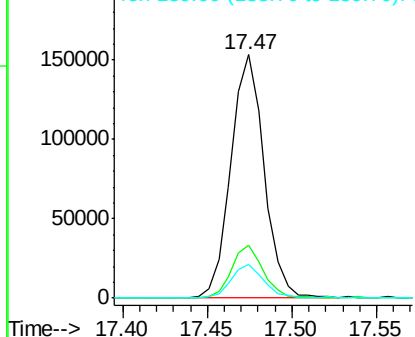


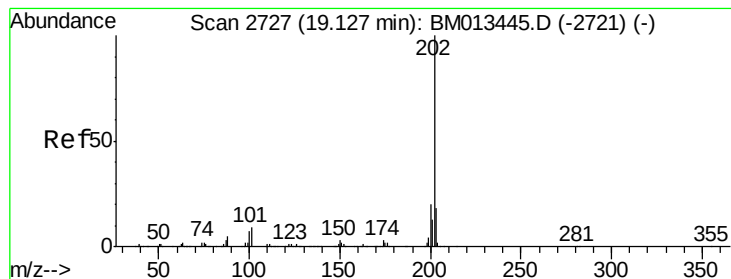
#72
 Carbazole
 Concen: 2.74 ng/ul
 RT: 17.47 min Scan# 2446
 Delta R.T. -0.00 min
 Lab File: BM013450.D
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Tgt Ion:167 Resp: 210735
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.1 25.7
 139 13.9 10.0 15.0



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: 7.18 ng/ul

RT: 19.13 min Scan# 2727

Delta R.T. -0.00 min

Lab File: BM013450.D

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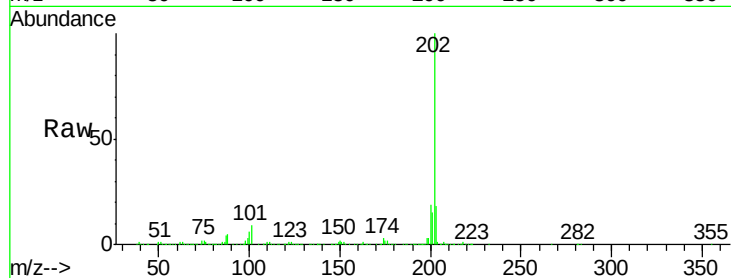
Tgt Ion:202 Resp: 770038

Ion Ratio Lower Upper

202 100

101 8.9 4.6 7.0#

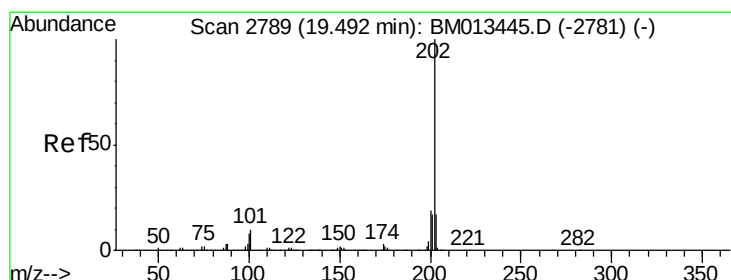
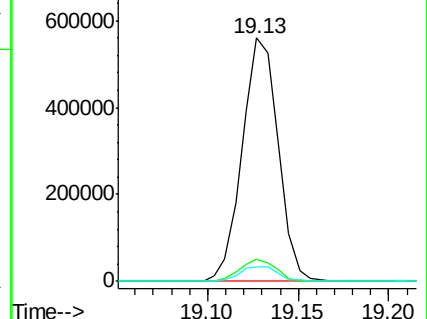
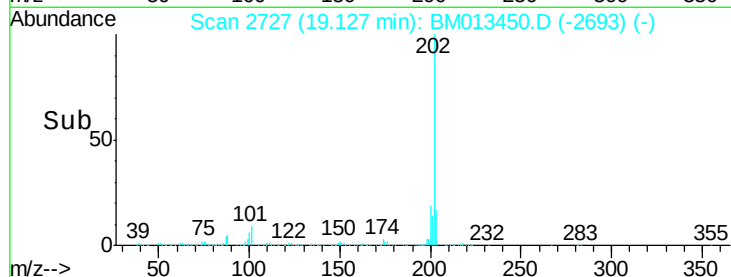
100 6.1 3.4 5.2#



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: 6.54 ng/ul

RT: 19.49 min Scan# 2789

Delta R.T. -0.00 min

Lab File: BM013450.D

Acq: 15 Dec 2017 22:09

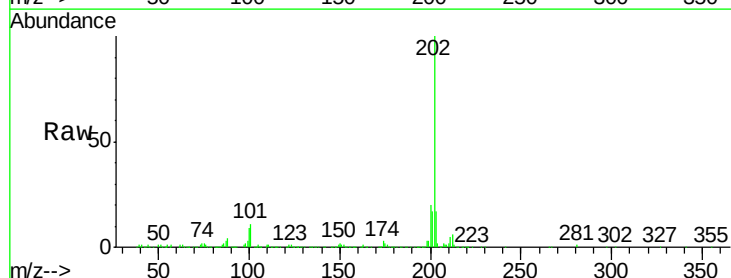
Tgt Ion:202 Resp: 537564

Ion Ratio Lower Upper

202 100

101 11.4 5.1 7.7#

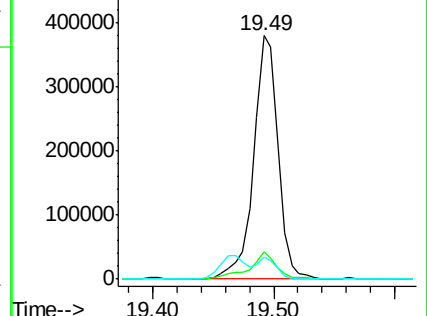
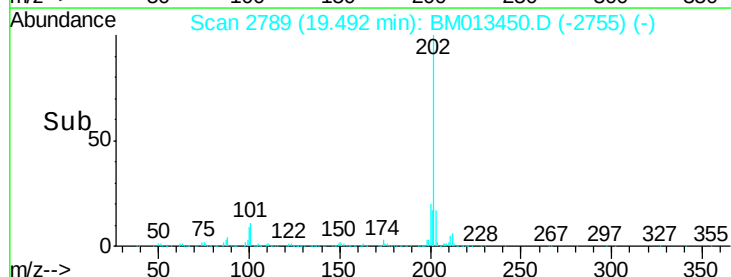
100 9.0 4.9 7.3#

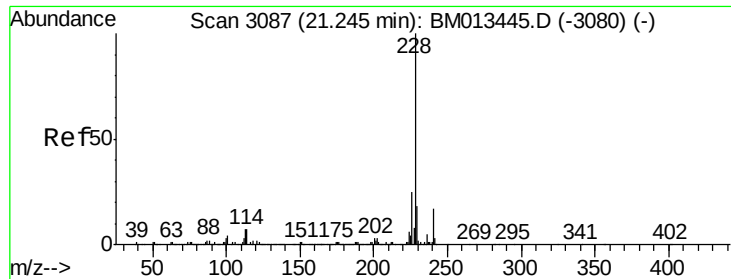


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 1.56 ng/ul

RT: 21.24 min Scan# 3087

Delta R.T. -0.00 min

Lab File: BM013450.D

Acq: 15 Dec 2017 22:09

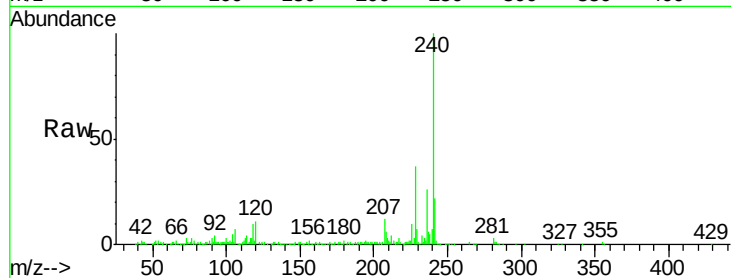
Instrument :

BNA_M

ClientSampled :

F9A81

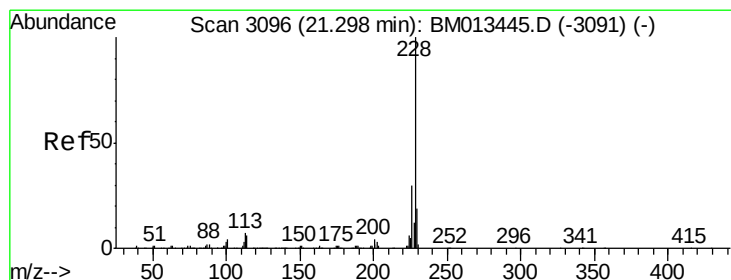
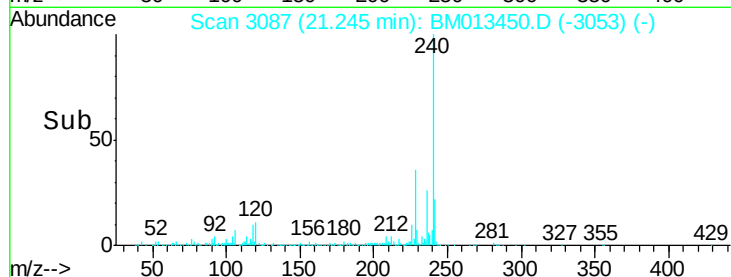
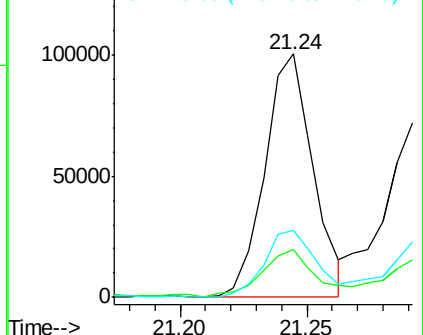
Tgt Ion:	228	Resp:	133741
Ion	Ratio	Lower	Upper
228	100		
229	19.4	15.4	23.0
226	27.3	21.4	32.0



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: 1.41 ng/ul

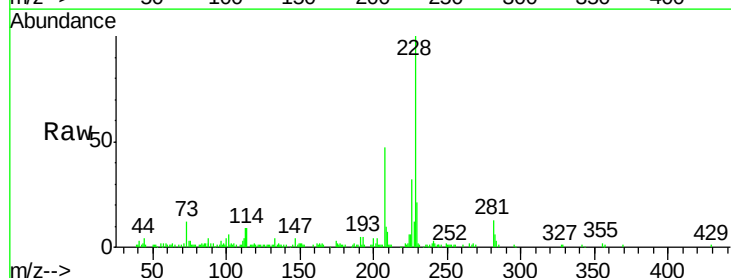
RT: 21.29 min Scan# 3095

Delta R.T. -0.01 min

Lab File: BM013450.D

Acq: 15 Dec 2017 22:09

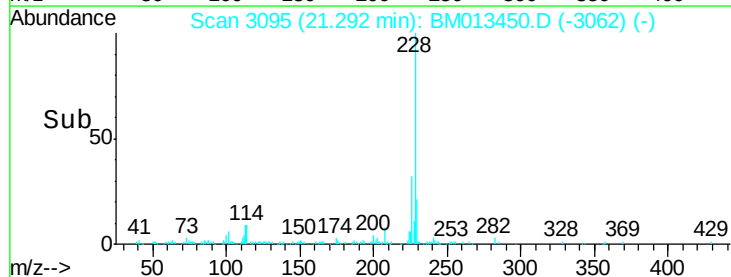
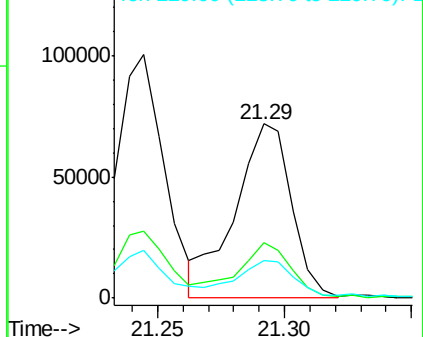
Tgt Ion:	228	Resp:	112062
Ion	Ratio	Lower	Upper
228	100		
226	32.1	23.4	35.2
229	21.2	15.5	23.3

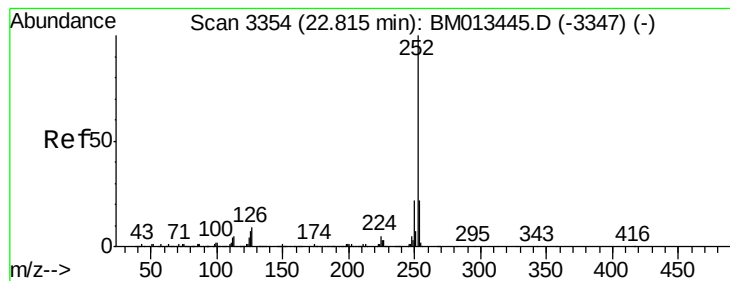


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 1.08 ng/ul

RT: 22.82 min Scan# 3354

Delta R.T. -0.00 min

Lab File: BM013450.D

Acq: 15 Dec 2017 22:09

Instrument :

BNA_M

ClientSampleId :

F9A81

Tgt Ion: 252 Resp: 79292

Ion Ratio Lower Upper

252 100

253 21.2 17.9 26.9

125 9.7 3.6 5.4#

