

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012718\
 Data File : BM013891.D
 Acq On : 27 Jan 2018 19:19
 Operator : SJ/JU
 Sample : J1233-14
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F6B18

Quant Time: Jan 28 01:06:55 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM011018.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Jan 28 01:01:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.58	152	156270	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	608222	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	377763	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	803064	20.00	ng/ul	0.00
75) Chrysene-d12	21.19	240	797462	20.00	ng/ul	0.00
83) Perylene-d12	23.38	264	792224	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.14	96	11657	2.95	ng/uL	0.00
5) Phenol-d5	6.77	99	216272	18.03	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.93	67	137002	18.85	ng/ul	0.00
9) 2-Chlorophenol-d4	7.12	132	187013	19.13	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	163569	17.74	ng/ul	0.00
19) Nitrobenzene-d5	8.74	128	94742	20.07	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	104298	20.91	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	193332	20.07	ng/ul	0.00
29) 4-Chloroaniline-d4	10.51	131	203700	24.37	ng/ul	0.00
43) Dimethylphthalate-d6	13.66	166	633508	20.35	ng/ul	0.00
46) Acenaphthylene-d8	13.93	160	774466	19.51	ng/ul	0.00
51) 4-Nitrophenol-d4	14.48	143	69620	13.76	ng/ul	0.00
57) Fluorene-d10	15.23	176	550164	20.09	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.38	200	81523	16.87	ng/ul	0.00
70) Anthracene-d10	17.09	188	816857	20.88	ng/ul	0.00
76) Pyrene-d10	19.39	212	887126	23.89	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.24	264	831898	22.85	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	6.79	94	24640	2.048	ng/ul#	85
28) Naphthalene	10.40	128	1029457	34.022	ng/ul	99
30) 4-Chloroaniline	10.40	127	139503	16.832	ng/ul#	34
34) 2-Methylnaphthalene	12.03	142	1304243	57.812	ng/ul	92
40) 1,1'-Biphenyl	13.06	154	217514	6.917	ng/ul	97
44) Dimethylphthalate	13.70	163	182474	5.961	ng/ul	100
49) Acenaphthene	14.30	153	334891	13.311	ng/ul	98
53) Dibenzofuran	14.64	168	1000241	26.428	ng/ul	100
55) 2,3,4,6-Tetrachlorophenol	14.88	232	9939	1.253	ng/ul#	76
58) Fluorene	15.29	166	494553	15.952	ng/ul	97
68) Pentachlorophenol	16.65	266	95976	17.690	ng/ul	96
69) Phenanthrene	17.04	178	4285052	95.993	ng/ul	99
71) Anthracene	17.12	178	403052	8.754	ng/ul	98
72) Carbazole	17.40	167	72330	1.903	ng/ul#	93
74) Fluoranthene	19.06	202	3002463	56.347	ng/ul#	94
77) Pyrene	19.42	202	1837809	37.909	ng/ul#	95
80) Benzo(a)anthracene	21.17	228	438944	9.109	ng/ul	97
82) Chrysene	21.23	228	320227	7.244	ng/ul	99
85) Benzo(b)fluoranthene	22.77	252	79383	1.632	ng/ul	100
86) Benzo(k)fluoranthene	22.77	252	79383	1.688	ng/ul#	98
88) Benzo(a)pyrene	23.29	252	122953	2.675	ng/ul#	94

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Quant Title : SVOA CALIBRATION
QLast Update : Sun Jan 28 01:01:50 2018
Response via : Initial Calibration

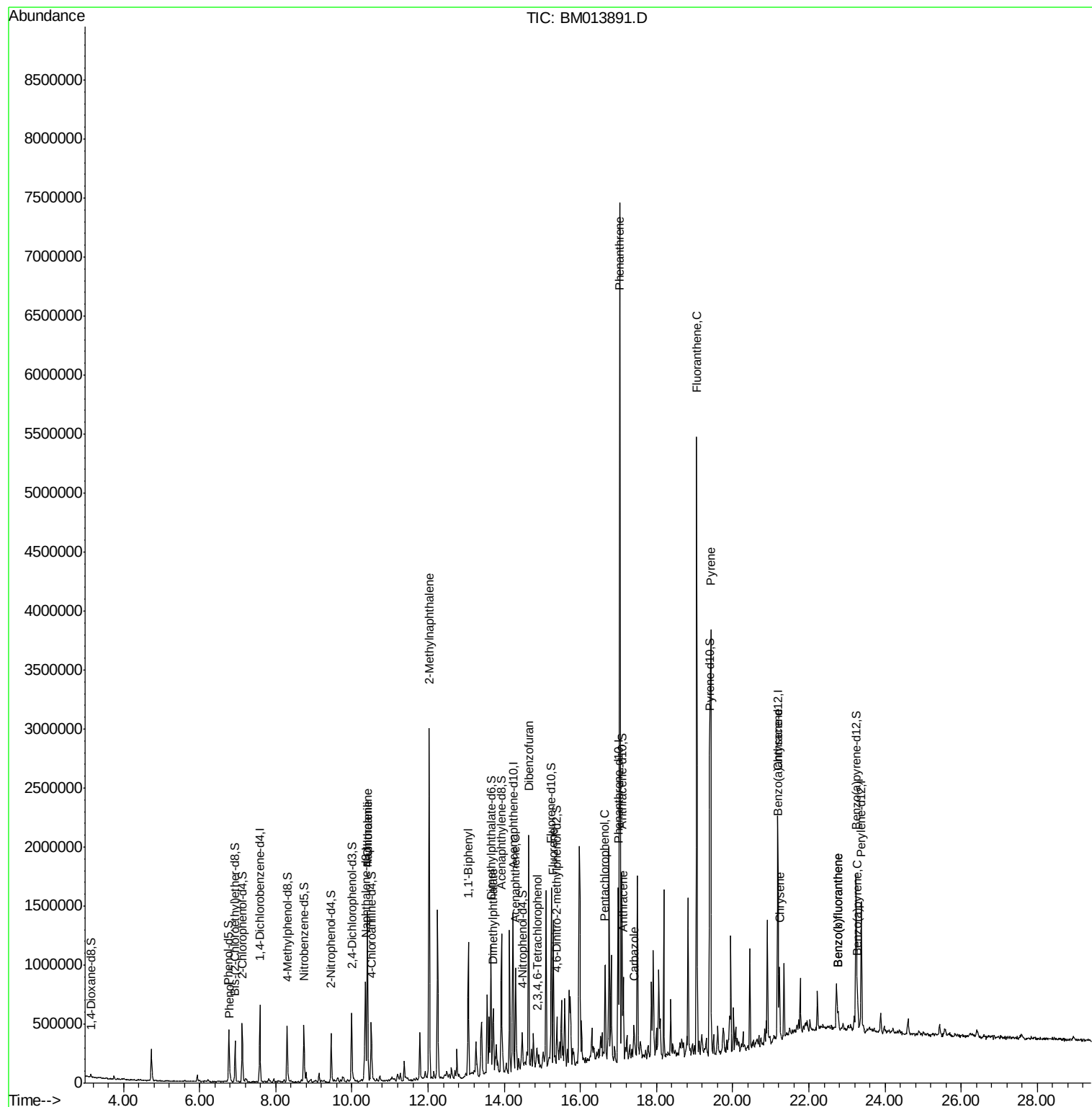
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

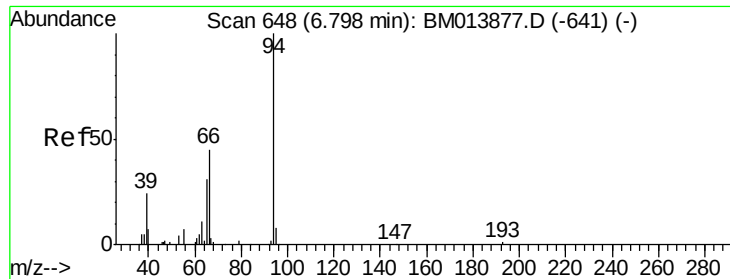
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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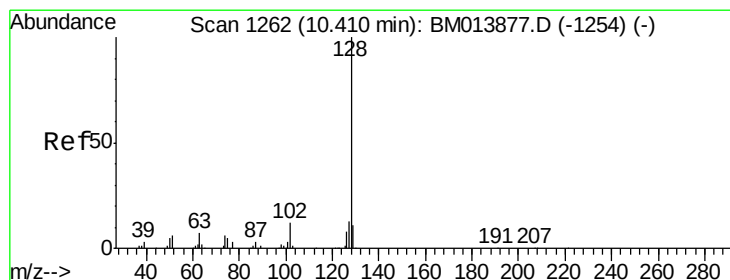
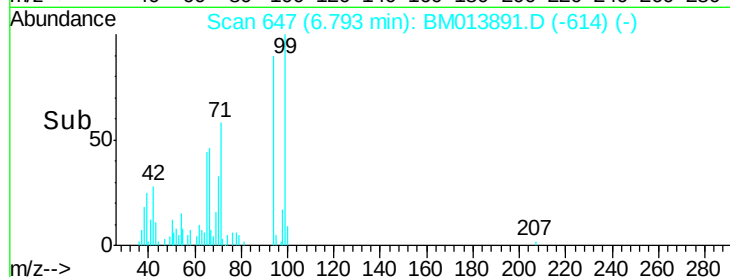
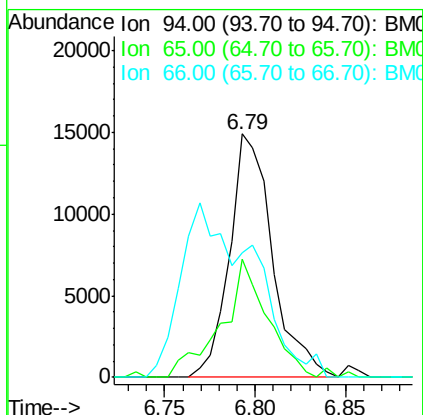
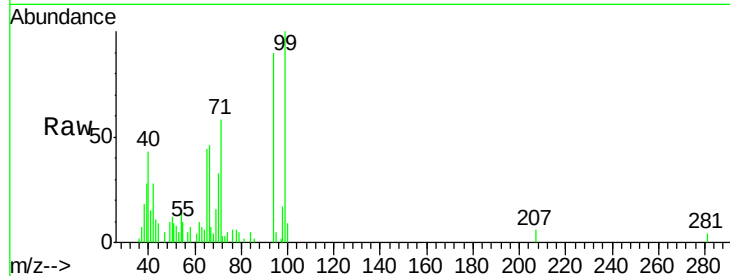
#6

Phenol

Concen: 2.048 ng/ul
 RT: 6.79 min Scan# 647
 Delta R.T. -0.01 min
 Lab File: BM013891.D
 Acq: 27 Jan 2018 19:19

Instrument :
 BNA_M
 ClientSampleId :
 F6B18

Tot Ion	Ratio	Lower	Upper
94	100		
65	48.6	28.2	42.4#
66	50.9	47.2	70.8

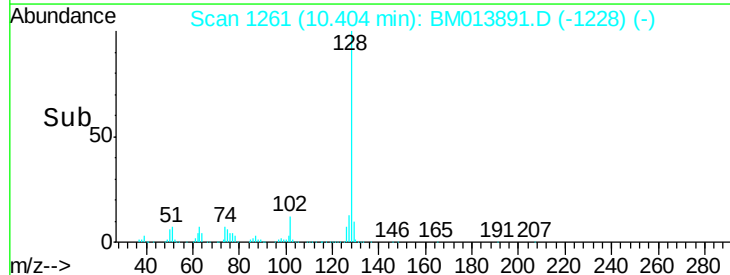
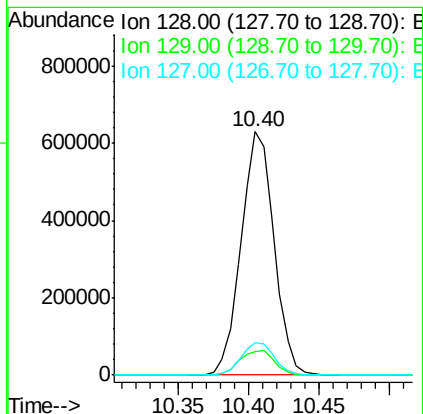
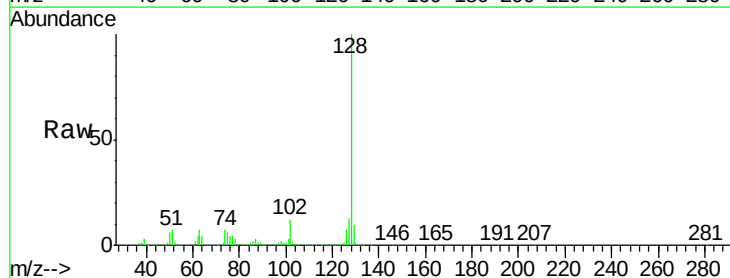


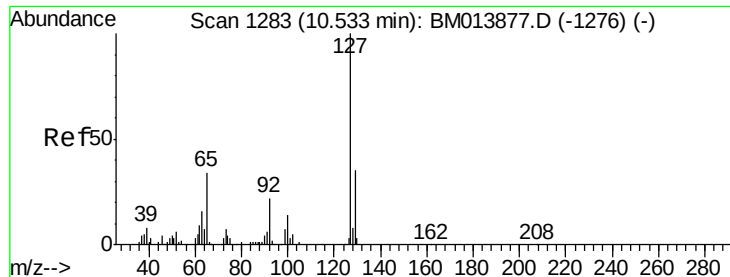
#28

Naphthalene

Concen: 34.022 ng/ul
 RT: 10.40 min Scan# 1261
 Delta R.T. -0.01 min
 Lab File: BM013891.D
 Acq: 27 Jan 2018 19:19

Tgt Ion	Ratio	Lower	Upper
128	100		
129	9.9	8.8	13.2
127	13.3	10.6	16.0

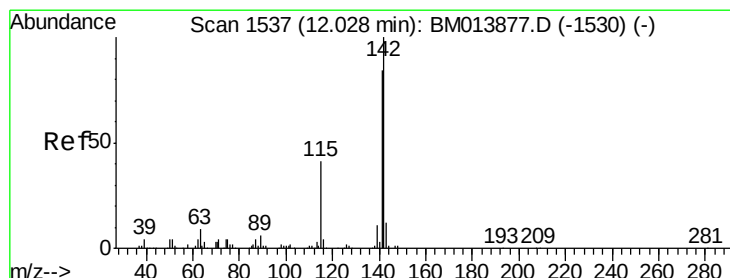
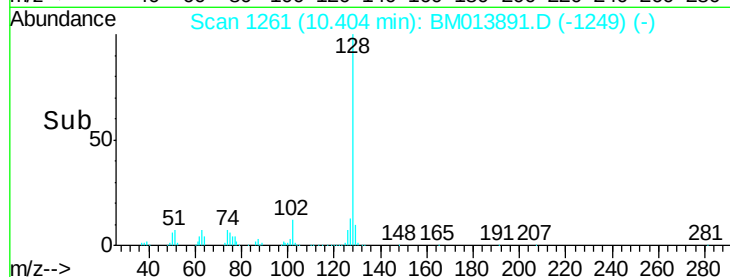
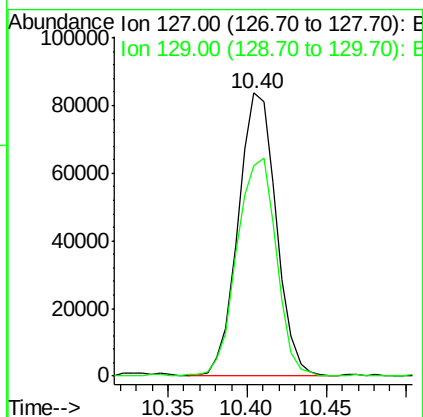
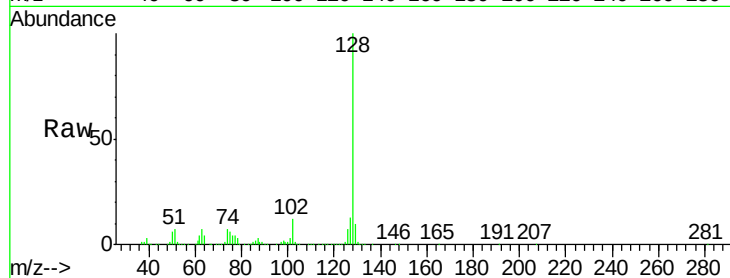




#30
4-Chloroaniline
Concen: 16.832 ng/ul
RT: 10.40 min Scan# 1261
Delta R.T. -0.13 min
Lab File: BM013891.D
Acq: 27 Jan 2018 19:19

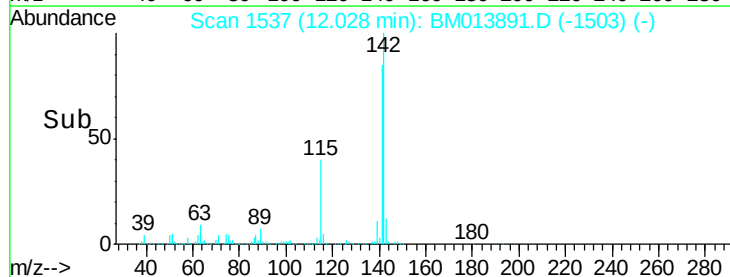
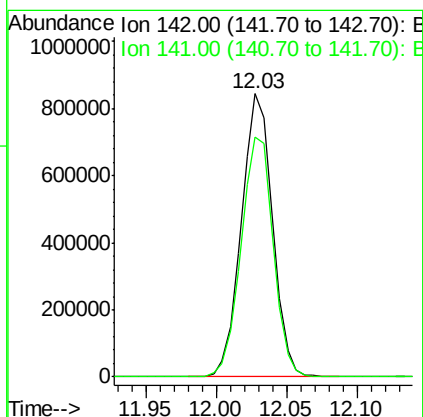
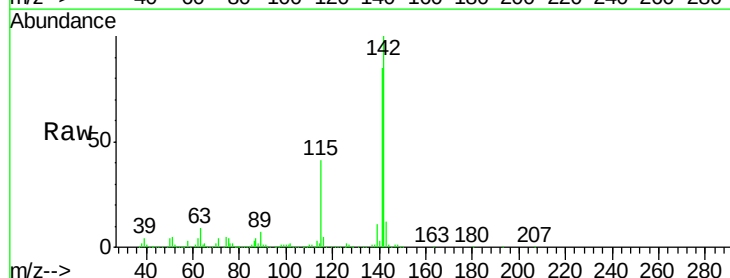
Instrument :
BNA_M
ClientSampleId :
F6B18

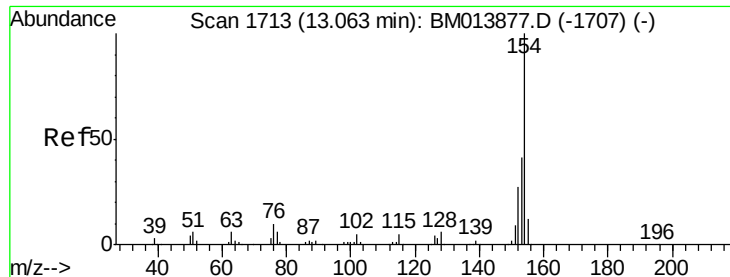
Tot Ion:127 Resp: 139503
Ion Ratio Lower Upper
127 100
129 74.2 28.4 42.6#



#34
2-Methylnaphthalene
Concen: 57.812 ng/ul
RT: 12.03 min Scan# 1537
Delta R.T. 0.00 min
Lab File: BM013891.D
Acq: 27 Jan 2018 19:19

Tgt Ion:142 Resp: 1304243
Ion Ratio Lower Upper
142 100
141 84.7 74.1 111.1

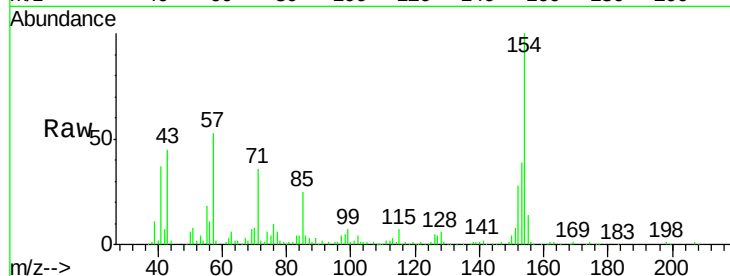




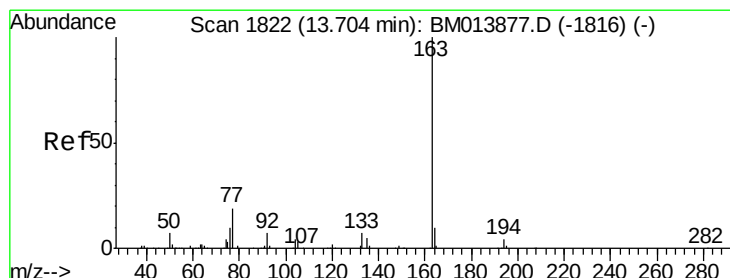
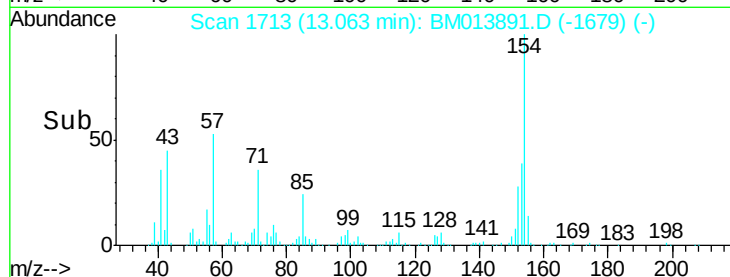
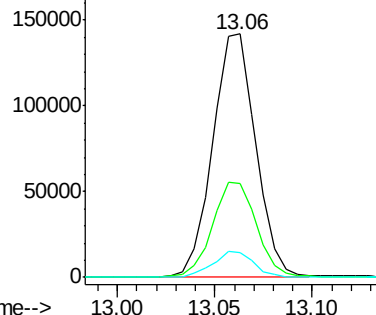
#40
1,1'-Biphenyl
Concen: 6.917 ng/ul
RT: 13.06 min Scan# 1713
Delta R.T. 0.00 min
Lab File: BM013891.D
Acq: 27 Jan 2018 19:19

Instrument :
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ClientSampleId :
F6B18

Tot Ion	Ratio	Lower	Upper
154	100		
153	38.7	32.6	48.8
76	10.3	8.5	12.7

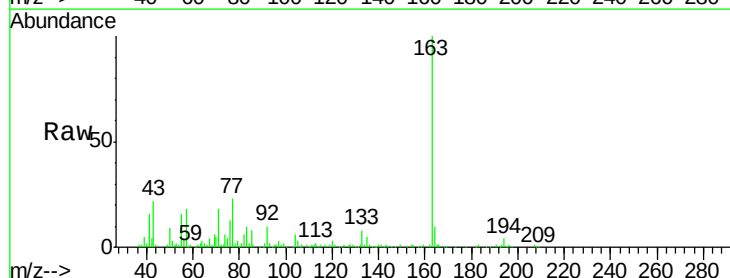


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BM0

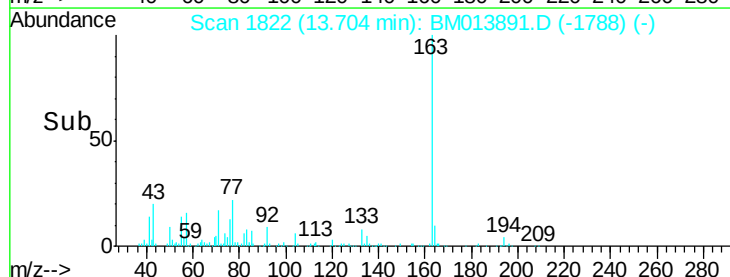
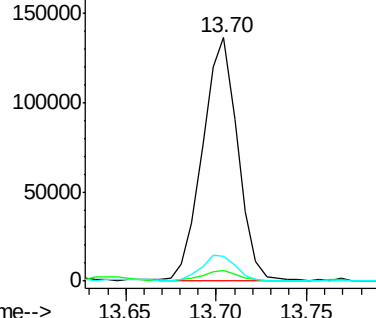


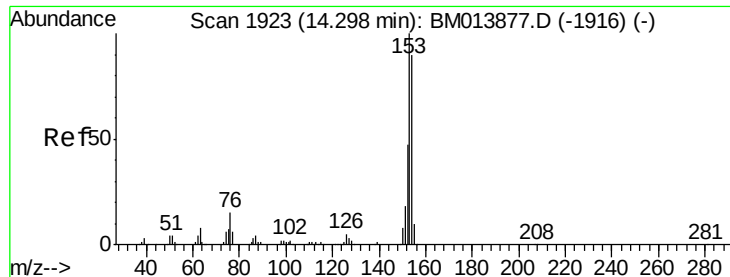
#44
Dimethylphthalate
Concen: 5.961 ng/ul
RT: 13.70 min Scan# 1822
Delta R.T. 0.00 min
Lab File: BM013891.D
Acq: 27 Jan 2018 19:19

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	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: 13.311 ng/ul

RT: 14.30 min Scan# 1923

Delta R.T. 0.00 min

Lab File: BM013891.D

Acq: 27 Jan 2018 19:19

Instrument :

BNA_M

ClientSampleId :

F6B18

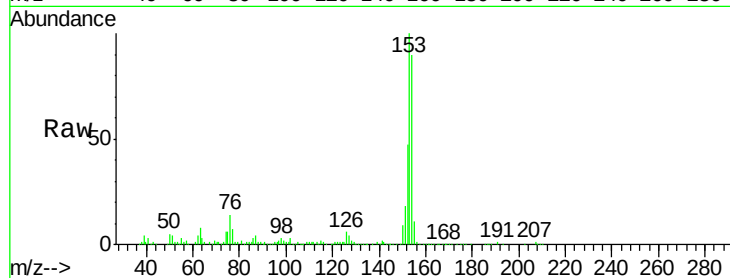
Tot Ion:153 Resp: 334891

Ion Ratio Lower Upper

153 100

152 46.6 37.6 56.4

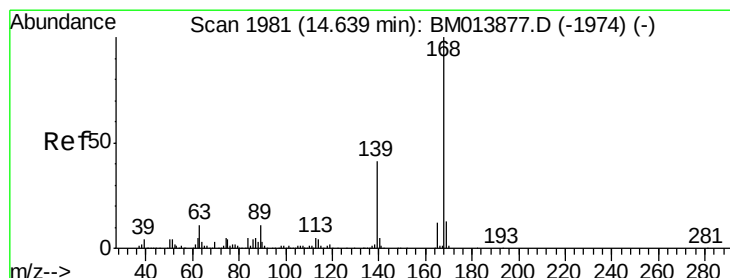
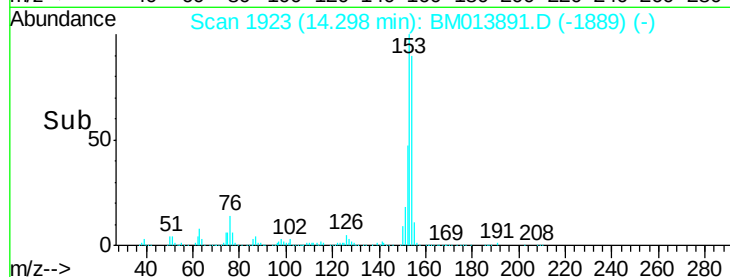
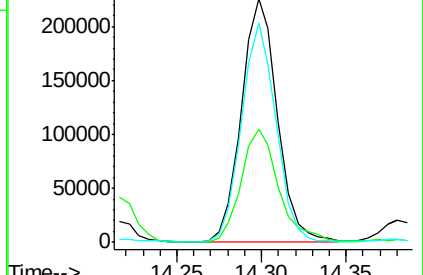
154 90.0 70.4 105.6



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: 26.428 ng/ul

RT: 14.64 min Scan# 1981

Delta R.T. 0.00 min

Lab File: BM013891.D

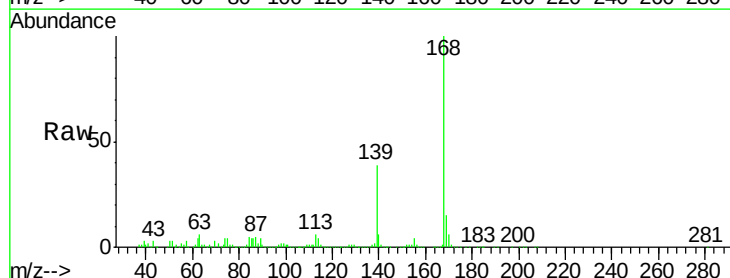
Acq: 27 Jan 2018 19:19

Tgt Ion:168 Resp: 1000241

Ion Ratio Lower Upper

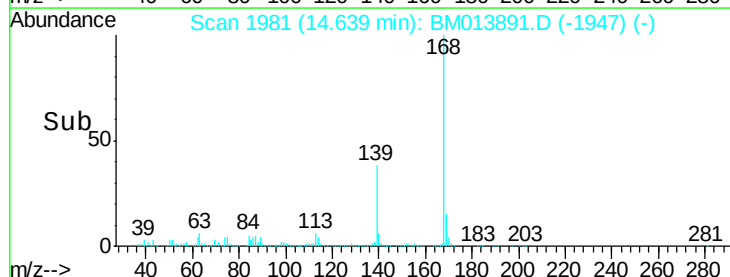
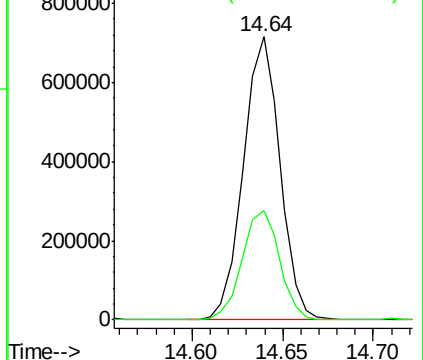
168 100

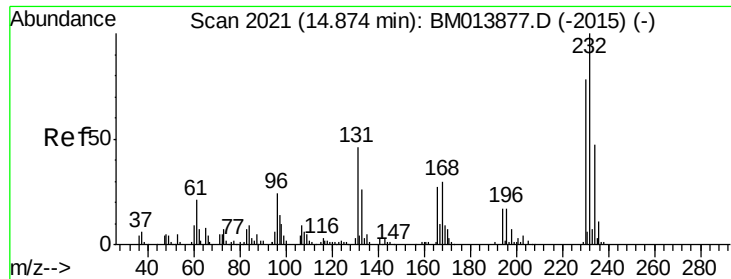
139 38.7 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#55

2,3,4,6-Tetrachlorophenol

Concen: 1.253 ng/ul

RT: 14.88 min Scan# 2022

Delta R.T. 0.01 min

Lab File: BM013891.D

Acq: 27 Jan 2018 19:19

Instrument :

BNA_M

ClientSampleID :

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Tot Ion:232 Resp: 9939

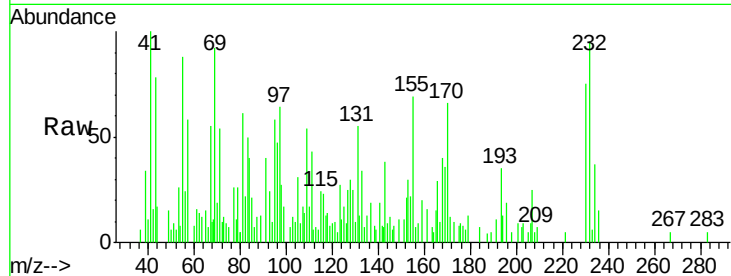
Ion Ratio Lower Upper

232 100

131 57.6 29.0 43.4#

130 10.3 2.0 3.0#

166 30.2 21.4 32.2



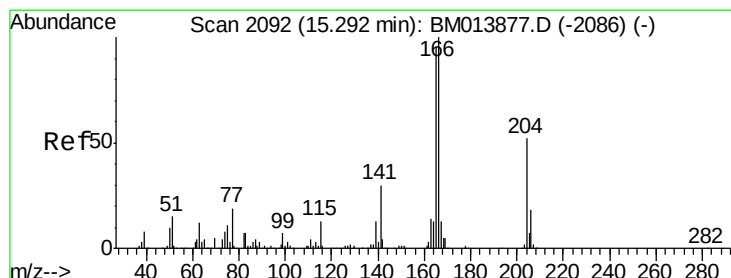
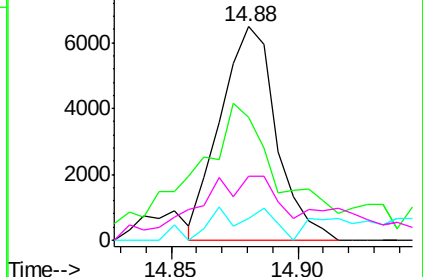
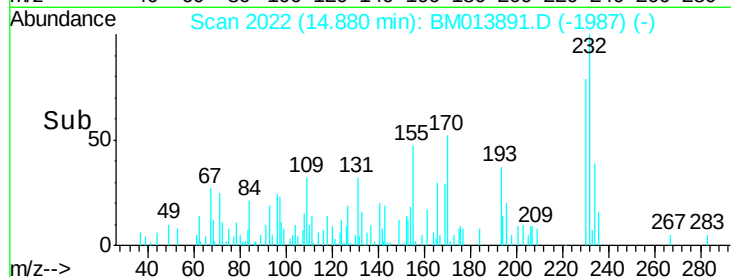
Abundance Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

Time-->



#58

Fluorene

Concen: 15.952 ng/ul

RT: 15.29 min Scan# 2092

Delta R.T. 0.00 min

Lab File: BM013891.D

Acq: 27 Jan 2018 19:19

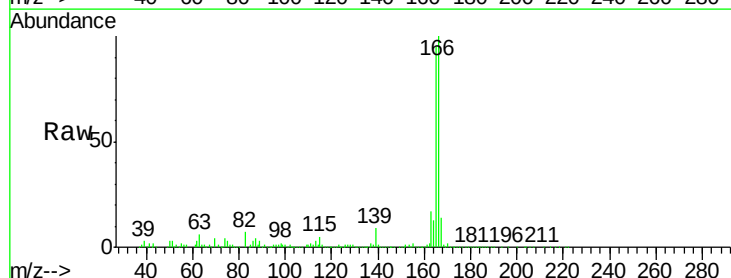
Tgt Ion:166 Resp: 494553

Ion Ratio Lower Upper

166 100

165 94.7 77.9 116.9

167 13.7 10.6 16.0

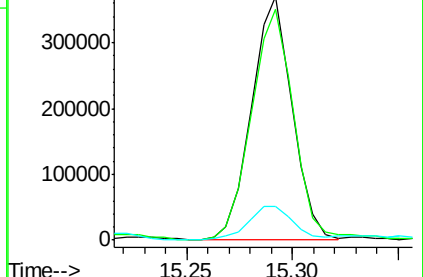
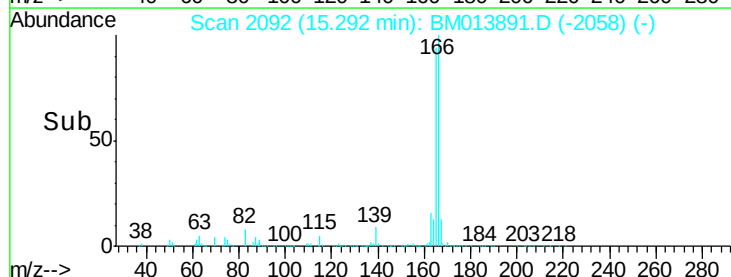


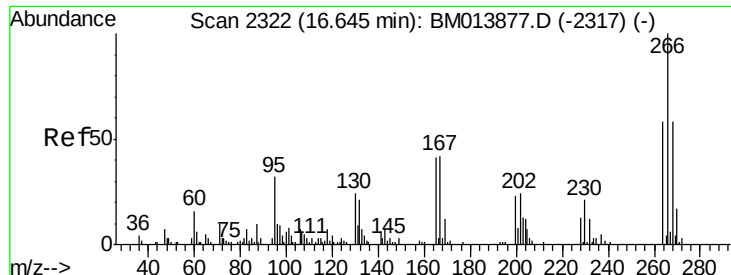
Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

Time-->

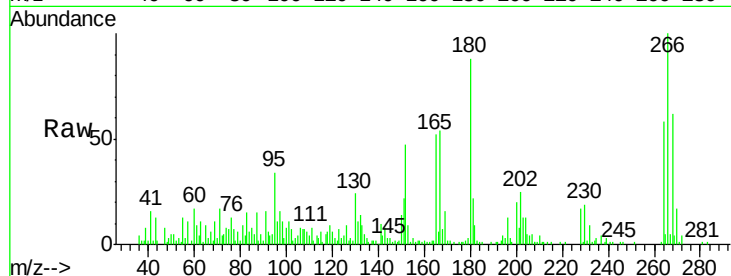




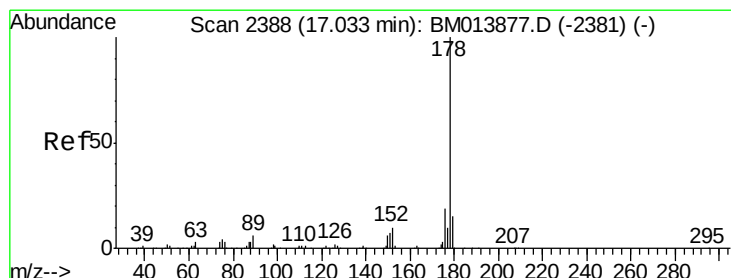
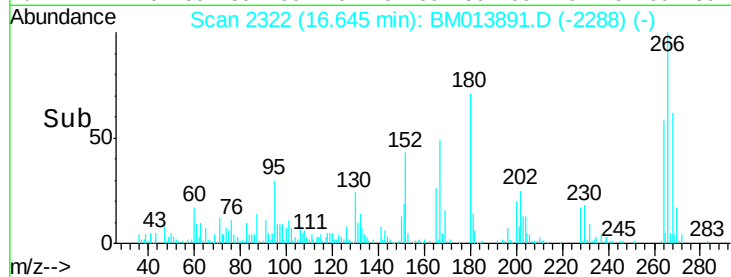
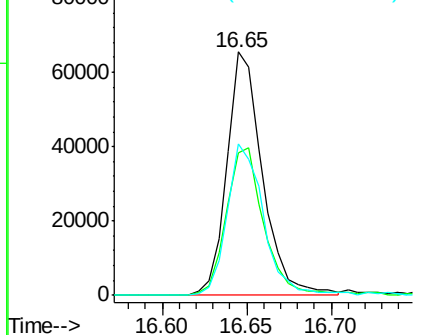
#68
 Pentachlorophenol
 Concen: 17.690 ng/ul
 RT: 16.65 min Scan# 2322
 Delta R.T. 0.00 min
 Lab File: BM013891.D
 Acq: 27 Jan 2018 19:19

Instrument :
 BNA_M
 ClientSampleId :
 F6B18

Tot Ion:266 Resp: 95976
 Ion Ratio Lower Upper
 266 100
 264 58.5 49.3 73.9
 268 62.4 52.6 78.8

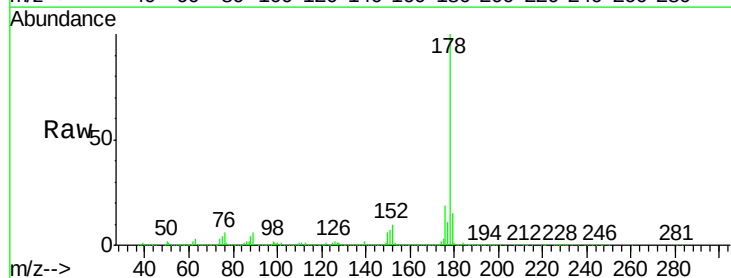


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

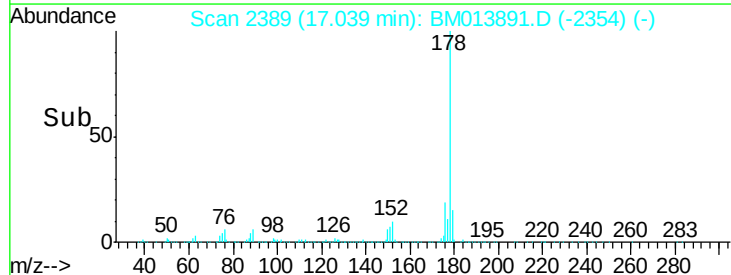
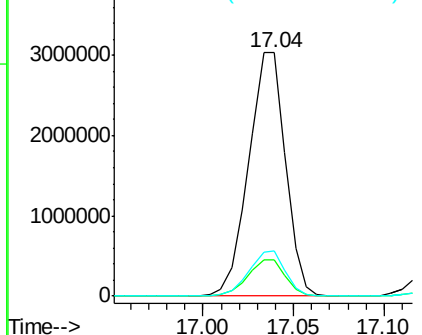


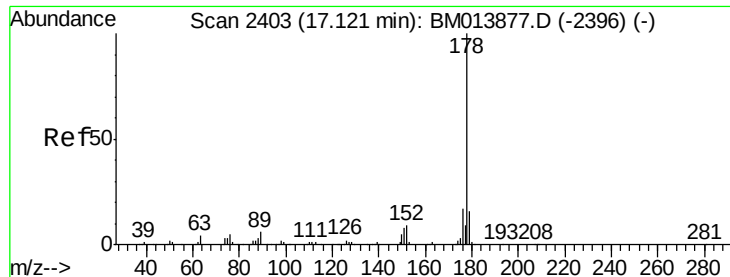
#69
 Phenanthrene
 Concen: 95.993 ng/ul
 RT: 17.04 min Scan# 2389
 Delta R.T. 0.01 min
 Lab File: BM013891.D
 Acq: 27 Jan 2018 19:19

Tgt Ion:178 Resp: 4285052
 Ion Ratio Lower Upper
 178 100
 179 15.1 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

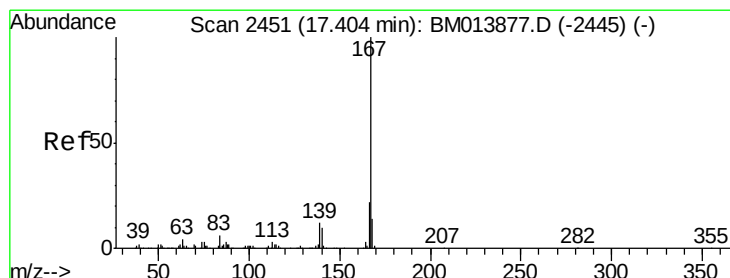
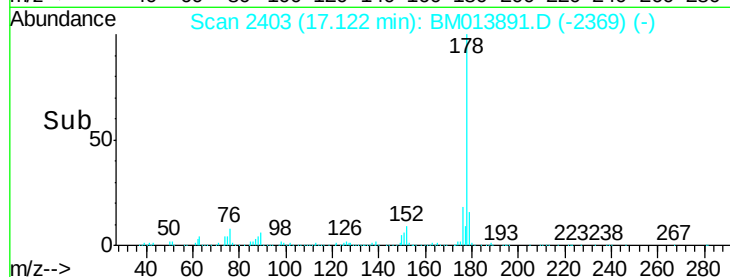
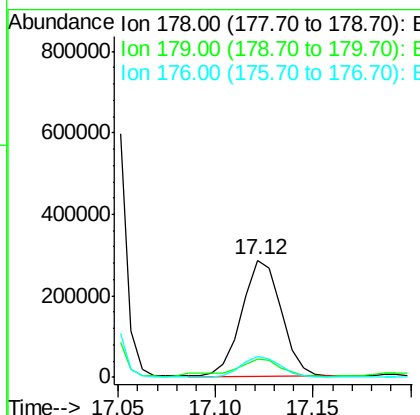
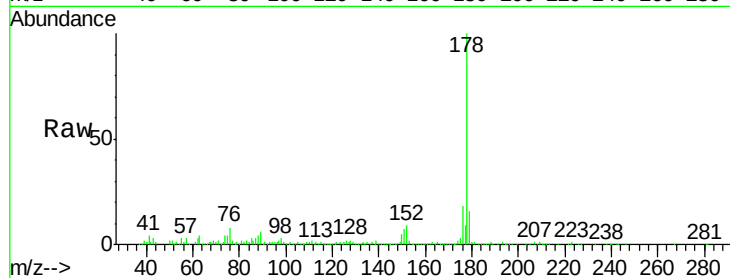




#71
 Anthracene
 Concen: 8.754 ng/ul
 RT: 17.12 min Scan# 2403
 Delta R.T. 0.00 min
 Lab File: BM013891.D
 Acq: 27 Jan 2018 19:19

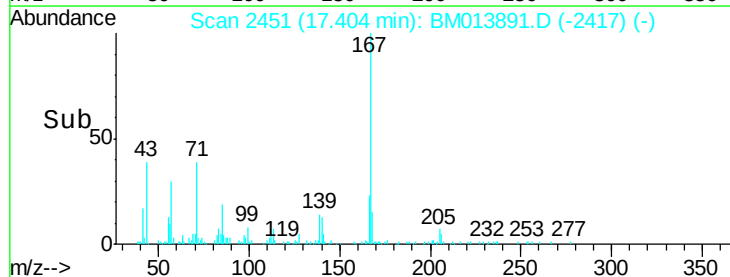
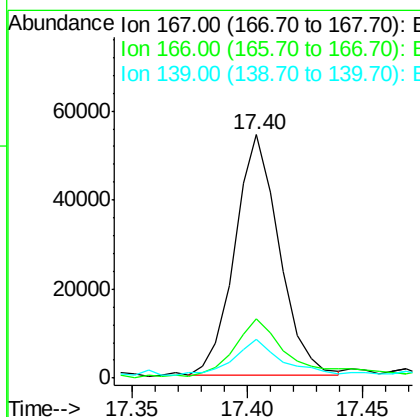
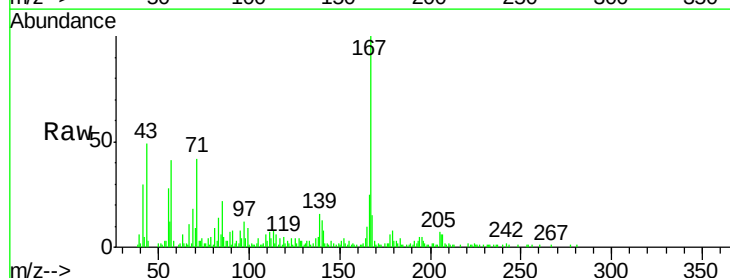
Instrument :
 BNA_M
 ClientSampleId :
 F6B18

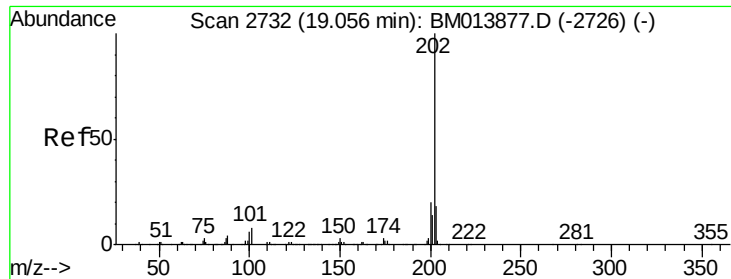
Tot Ion:178 Resp: 403052
 Ion Ratio Lower Upper
 178 100
 179 15.9 11.7 17.5
 176 18.3 14.6 21.8



#72
 Carbazole
 Concen: 1.903 ng/ul
 RT: 17.40 min Scan# 2451
 Delta R.T. 0.00 min
 Lab File: BM013891.D
 Acq: 27 Jan 2018 19:19

Tgt Ion:167 Resp: 72330
 Ion Ratio Lower Upper
 167 100
 166 24.5 17.1 25.7
 139 15.9 10.0 15.0#





#74

Fluoranthene

Concen: 56.347 ng/ul

RT: 19.06 min Scan# 2732

Delta R.T. 0.00 min

Lab File: BM013891.D

Acq: 27 Jan 2018 19:19

Instrument :

BNA_M

ClientSampleId :

F6B18

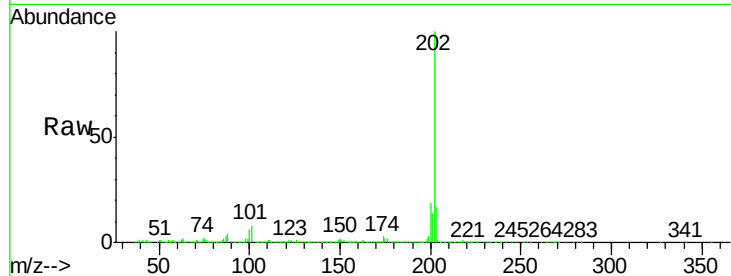
Tot Ion:202 Resp: 3002463

Ion Ratio Lower Upper

202 100

101 7.8 4.6 7.0#

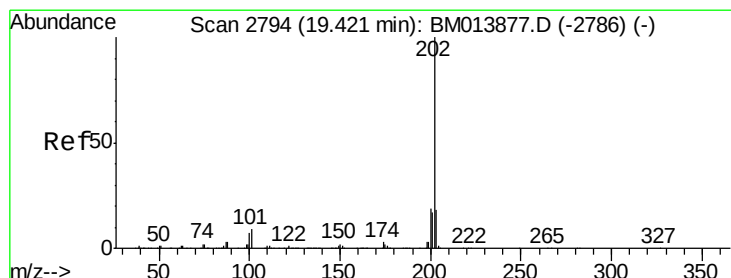
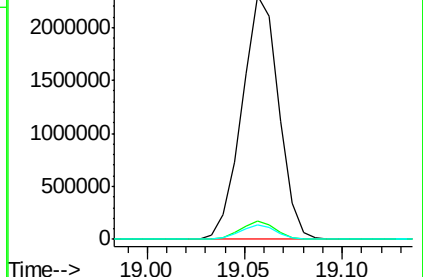
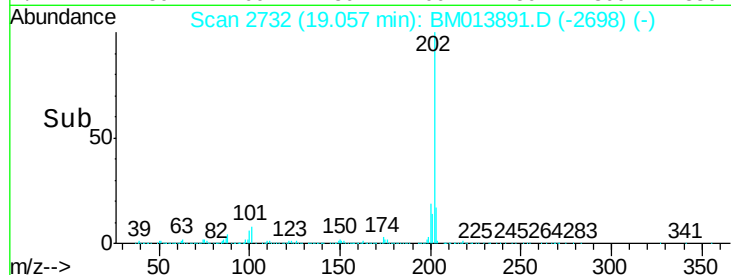
100 6.0 3.4 5.2#



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: 37.909 ng/ul

RT: 19.42 min Scan# 2794

Delta R.T. 0.00 min

Lab File: BM013891.D

Acq: 27 Jan 2018 19:19

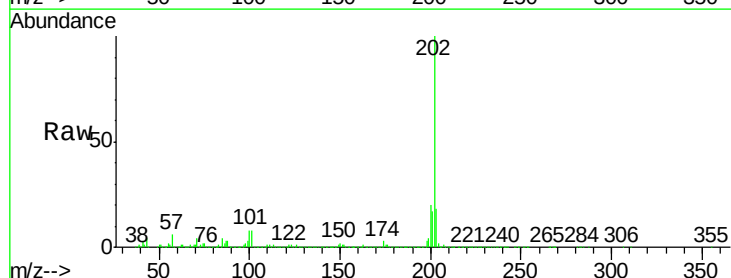
Tgt Ion:202 Resp: 1837809

Ion Ratio Lower Upper

202 100

101 8.2 5.1 7.7#

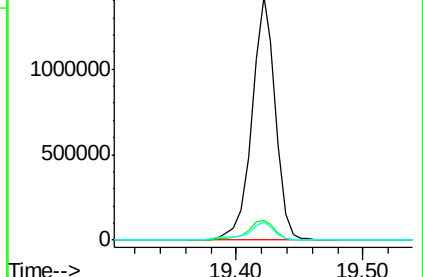
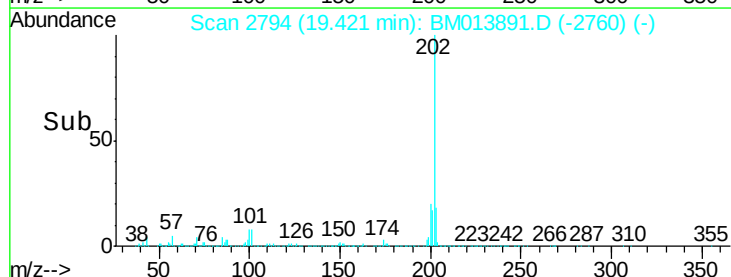
100 7.5 4.9 7.3#

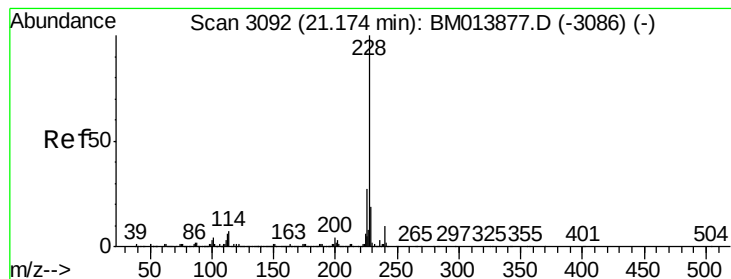


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 9.109 ng/ul

RT: 21.17 min Scan# 3092

Delta R.T. 0.00 min

Lab File: BM013891.D

Acq: 27 Jan 2018 19:19

Instrument :

BNA_M

ClientSampleId :

F6B18

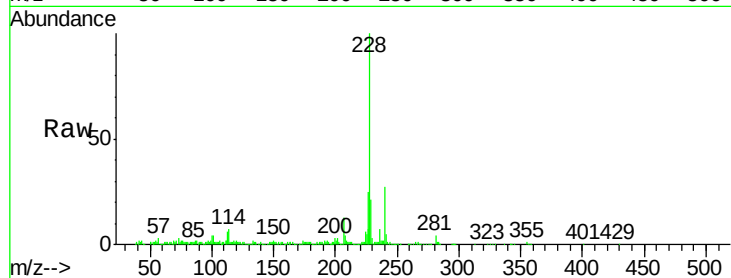
Tot Ion:228 Resp: 438944

Ion Ratio Lower Upper

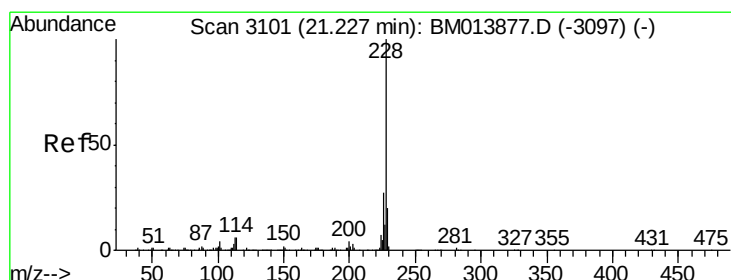
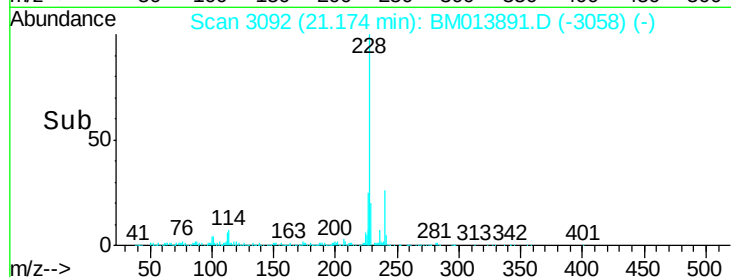
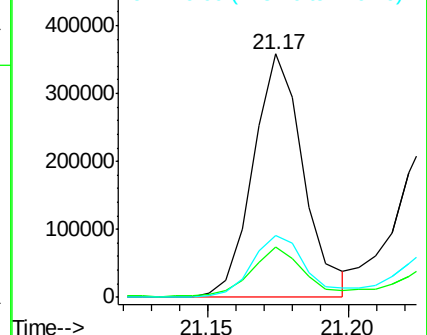
228 100

229 20.6 15.4 23.0

226 25.2 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: 7.244 ng/ul

RT: 21.23 min Scan# 3101

Delta R.T. 0.00 min

Lab File: BM013891.D

Acq: 27 Jan 2018 19:19

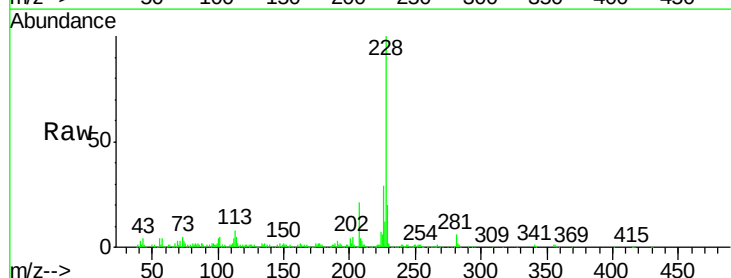
Tgt Ion:228 Resp: 320227

Ion Ratio Lower Upper

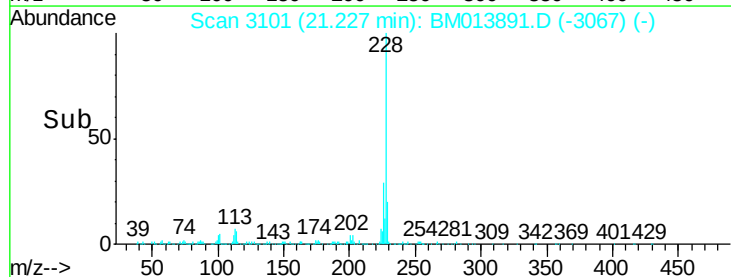
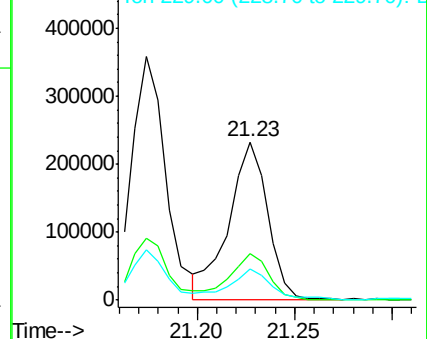
228 100

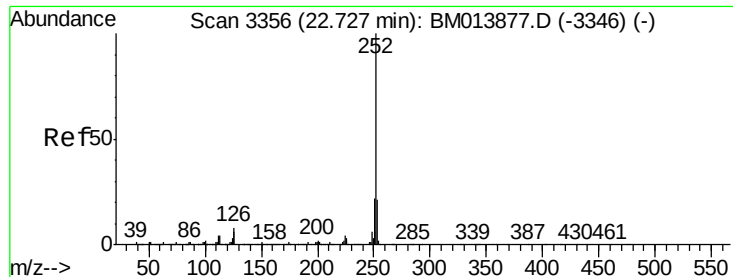
226 29.4 23.4 35.2

229 20.0 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: 1.632 ng/ul

RT: 22.77 min Scan# 3363

Delta R.T. 0.04 min

Lab File: BM013891.D

Acq: 27 Jan 2018 19:19

Instrument :

BNA_M

ClientSampleId :

F6B18

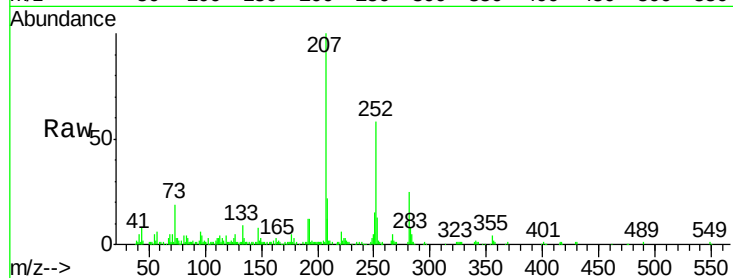
Tot Ion:252 Resp: 79383

Ion Ratio Lower Upper

252 100

253 22.3 17.9 26.9

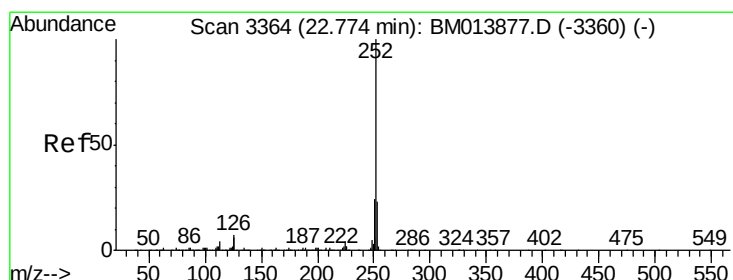
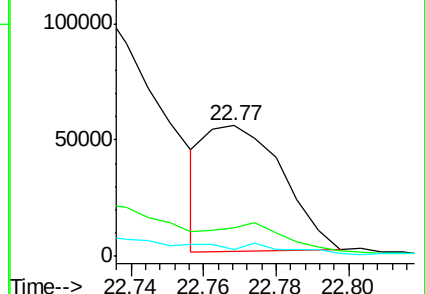
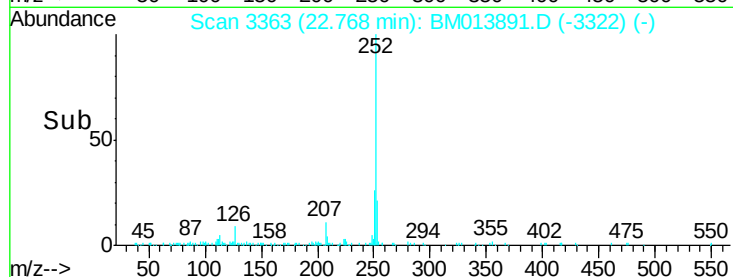
125 5.2 3.6 5.4



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: 1.688 ng/ul

RT: 22.77 min Scan# 3363

Delta R.T. -0.01 min

Lab File: BM013891.D

Acq: 27 Jan 2018 19:19

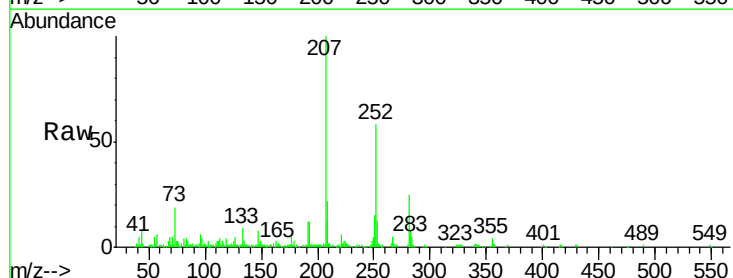
Tgt Ion:252 Resp: 79383

Ion Ratio Lower Upper

252 100

253 22.3 17.1 25.7

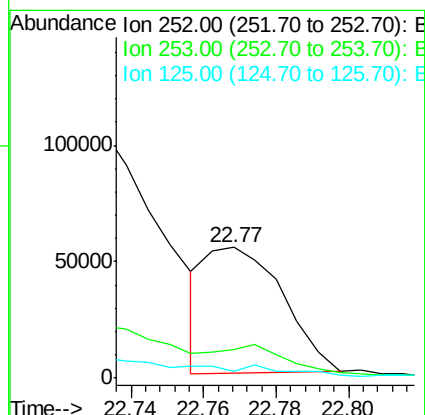
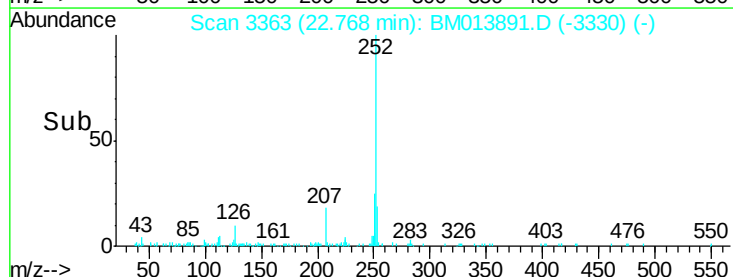
125 5.2 3.4 5.2#

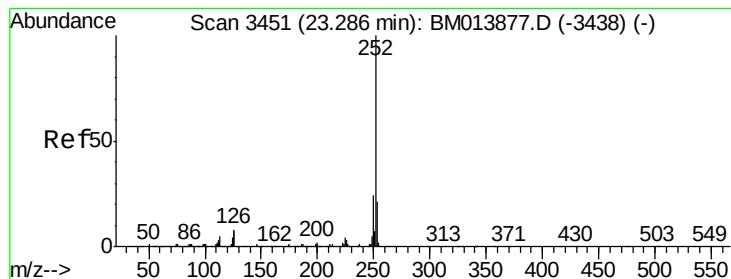


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 2.675 ng/ul

RT: 23.29 min Scan# 3451

Delta R.T. 0.00 min

Lab File: BM013891.D

Acq: 27 Jan 2018 19:19

Instrument :

BNA_M

ClientSampleId :

F6B18

Tot Ion:252 Resp: 122953

Ion Ratio Lower Upper

252 100

253 20.0 18.2 27.2

125 7.5 4.0 6.0#

