

Data Path : Z:\HPCHEM1\BNA M\DATA\BM012718\
 Data File : BM013886.D
 Acq On : 27 Jan 2018 16:19
 Operator : SJ/JU
 Sample : J1244-02
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 F6B43

Quant Time: Jan 28 01:05:42 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	129583	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	487800	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	291958	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	664693	20.00	ng/ul	0.00
75) Chrysene-d12	21.19	240	742040	20.00	ng/ul	0.00
83) Perylene-d12	23.38	264	722505	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.14	96	9153	2.79	ng/uL	0.00
5) Phenol-d5	6.77	99	169578	17.05	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.93	67	113556	18.84	ng/ul	0.00
9) 2-Chlorophenol-d4	7.12	132	149643	18.46	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	142117	18.58	ng/ul	0.00
19) Nitrobenzene-d5	8.74	128	75818	20.03	ng/ul	0.00
22) 2-Nitrophenol-d4	9.46	143	81918	20.48	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	152216	19.70	ng/ul	0.00
29) 4-Chloroaniline-d4	10.51	131	156387	23.33	ng/ul	0.00
43) Dimethylphthalate-d6	13.66	166	475204	19.75	ng/ul	0.00
46) Acenaphthylene-d8	13.93	160	604483	19.70	ng/ul	0.00
51) 4-Nitrophenol-d4	14.48	143	37424	9.57	ng/ul	0.00
57) Fluorene-d10	15.23	176	421638	19.93	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.38	200	47818	11.95	ng/ul	0.00
70) Anthracene-d10	16.99	188	664693	20.53	ng/ul	-0.09
76) Pyrene-d10	19.39	212	735558	21.29	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.24	264	705078	21.23	ng/ul	0.00

Target Compounds

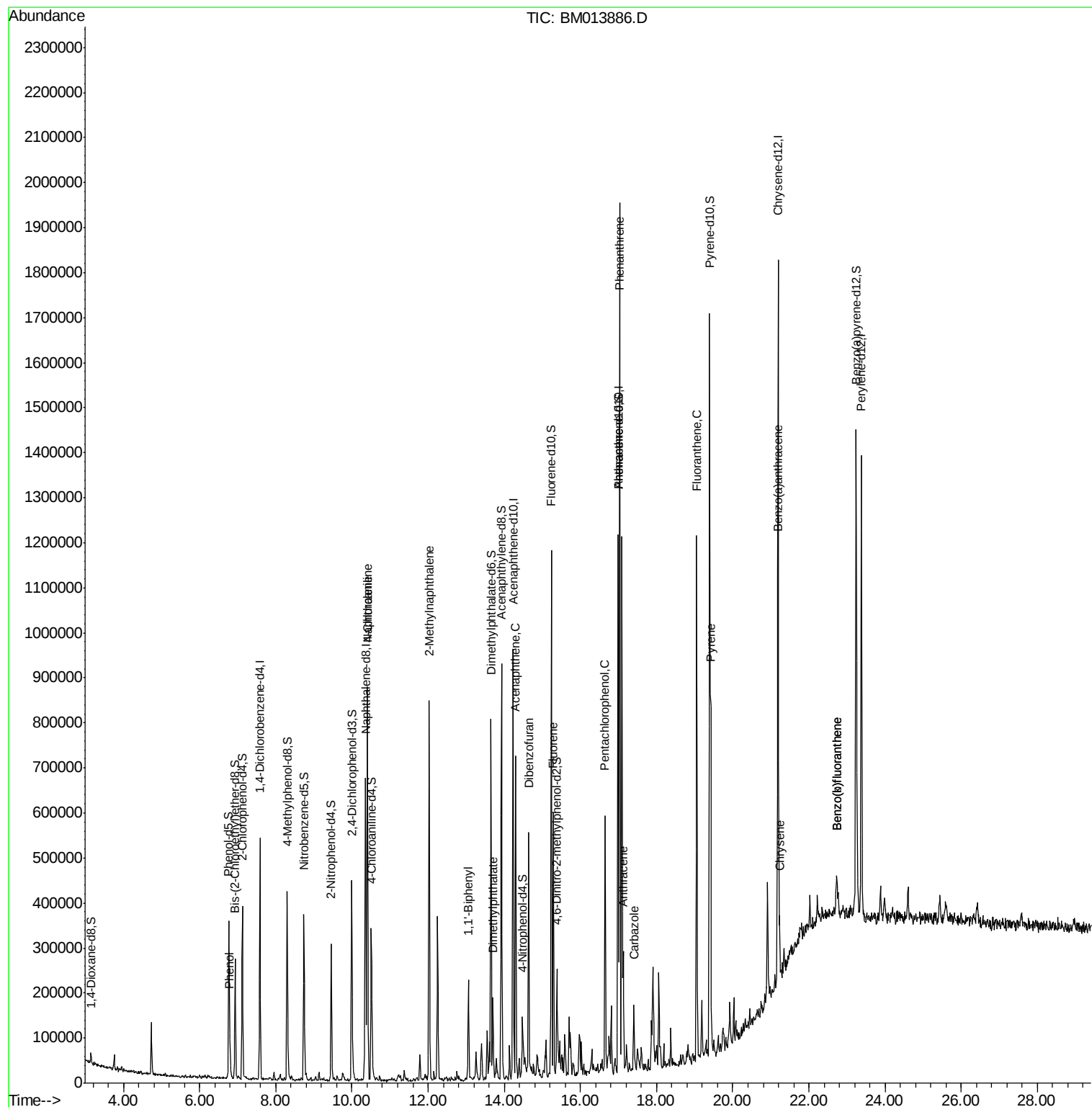
					Ovalue	
6) Phenol	6.80	94	24808	2.486	ng/ul	89
28) Naphthalene	10.40	128	637425	26.266	ng/ul	99
30) 4-Chloroaniline	10.40	127	82467	12.406	ng/ul#	11
34) 2-Methylnaphthalene	12.03	142	356766	19.718	ng/ul	95
40) 1,1'-Biphenyl	13.06	154	84724	3.486	ng/ul	96
44) Dimethylphthalate	13.70	163	91285	3.858	ng/ul	97
49) Acenaphthene	14.30	153	272234	14.001	ng/ul	97
53) Dibenzofuran	14.64	168	300751	10.282	ng/ul	100
58) Fluorene	15.29	166	226888	9.469	ng/ul#	93
68) Pentachlorophenol	16.64	266	92161	20.523	ng/ul	94
69) Phenanthrene	17.03	178	1087752	29.440	ng/ul	99
71) Anthracene	17.12	178	148871	3.906	ng/ul	97
72) Carbazole	17.40	167	76955	2.446	ng/ul	95
74) Fluoranthene	19.06	202	644531	14.614	ng/ul#	98
77) Pyrene	19.42	202	465490	10.319	ng/ul#	96
80) Benzo(a)anthracene	21.17	228	95667	2.134	ng/ul	97
82) Chrysene	21.23	228	74517	1.812	ng/ul	96
85) Benzo(b)fluoranthene	22.73	252	60650	1.367	ng/ul#	96
86) Benzo(k)fluoranthene	22.73	252	60650	1.414	ng/ul#	98

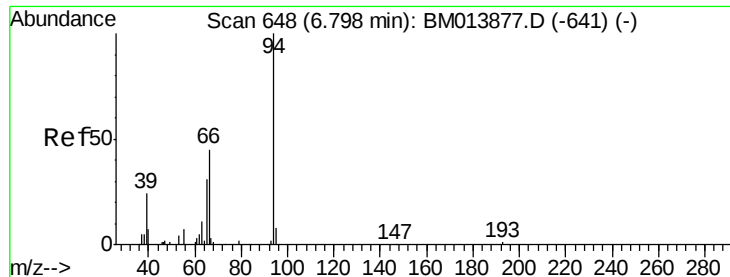
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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





#6

Phenol

Concen: 2.486 ng/ul

RT: 6.80 min Scan# 648

Delta R.T. 0.00 min

Lab File: BM013886.D

Acq: 27 Jan 2018 16:19

Instrument :

BNA_M

ClientSampleId :

F6B43

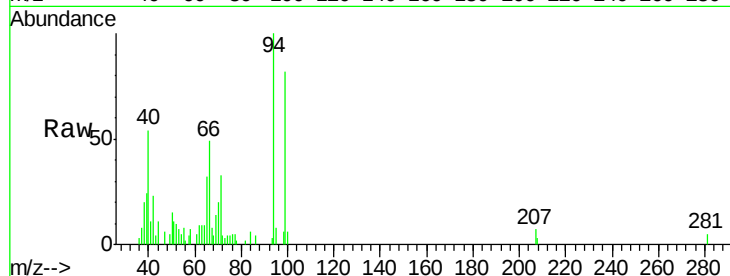
Tot Ion: 94 Resp: 24808

Ion Ratio Lower Upper

94 100

65 32.2 28.2 42.4

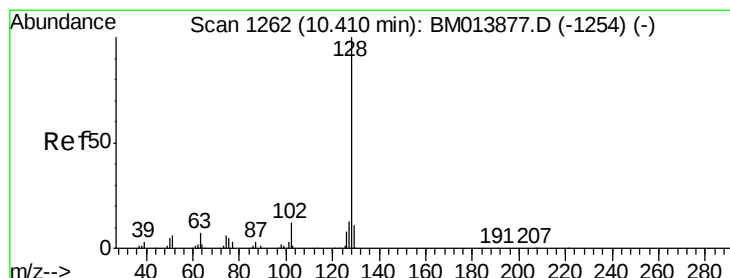
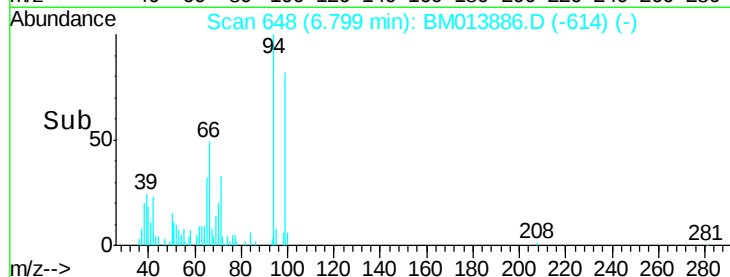
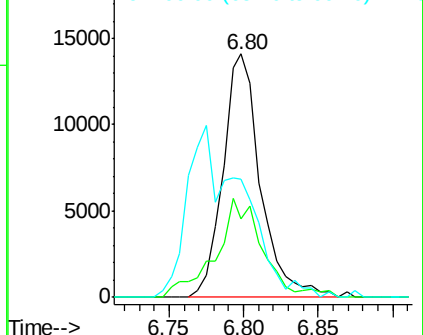
66 48.8 47.2 70.8



Abundance Ion 94.00 (93.70 to 94.70): BM013877.D (-641) (-)

Ion 65.00 (64.70 to 65.70): BM013877.D (-641) (-)

Ion 66.00 (65.70 to 66.70): BM013877.D (-641) (-)



#28

Naphthalene

Concen: 26.266 ng/ul

RT: 10.40 min Scan# 1261

Delta R.T. -0.01 min

Lab File: BM013886.D

Acq: 27 Jan 2018 16:19

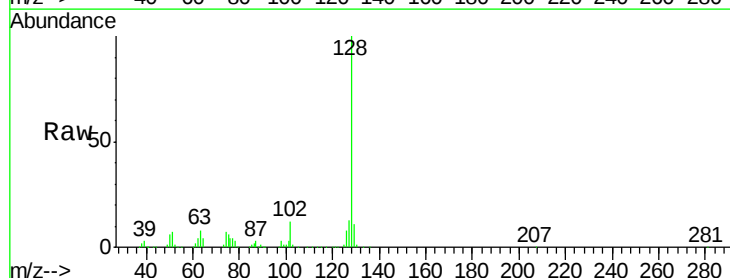
Tgt Ion: 128 Resp: 637425

Ion Ratio Lower Upper

128 100

129 11.3 8.8 13.2

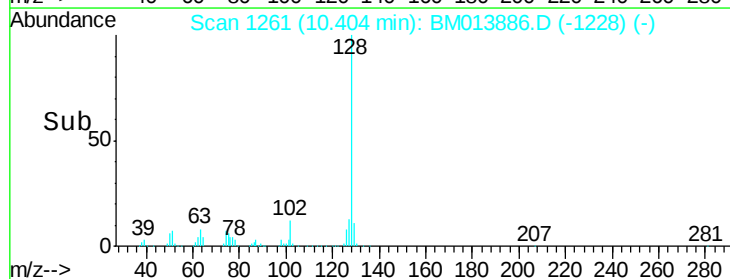
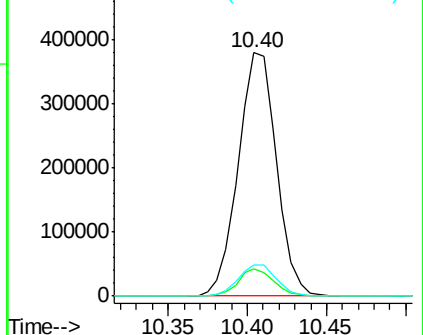
127 12.9 10.6 16.0

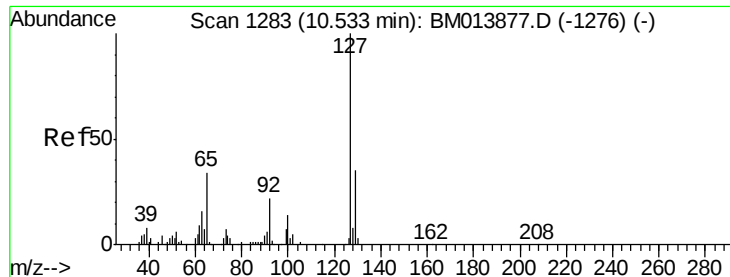


Abundance Ion 128.00 (127.70 to 128.70): BM013877.D (-1254) (-)

Ion 129.00 (128.70 to 129.70): BM013877.D (-1254) (-)

Ion 127.00 (126.70 to 127.70): BM013877.D (-1254) (-)

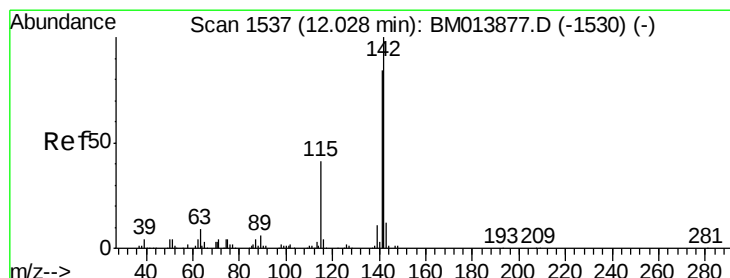
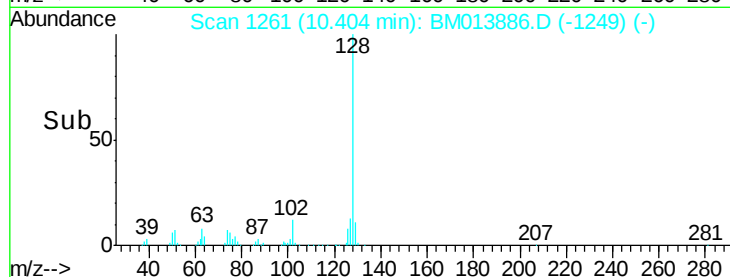
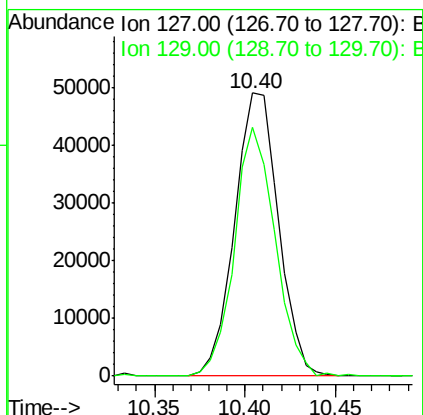
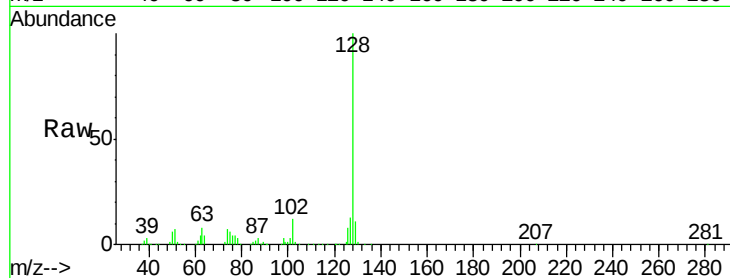




#30
 4-Chloroaniline
 Concen: 12.406 ng/ul
 RT: 10.40 min Scan# 1261
 Delta R.T. -0.13 min
 Lab File: BM013886.D
 Acq: 27 Jan 2018 16:19

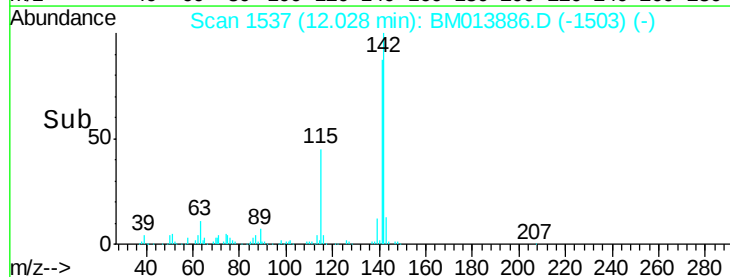
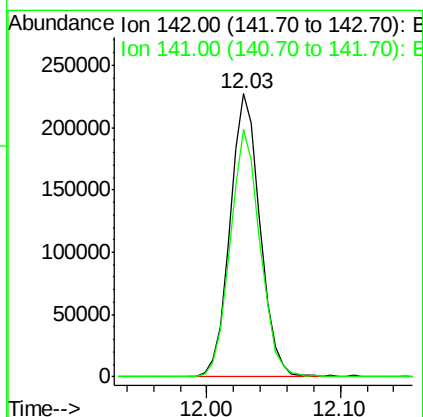
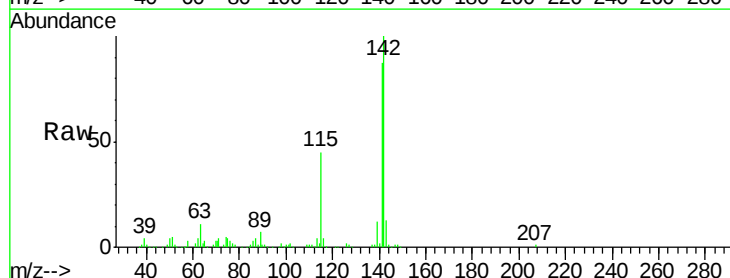
Instrument :
 BNA_M
 ClientSampleId :
 F6B43

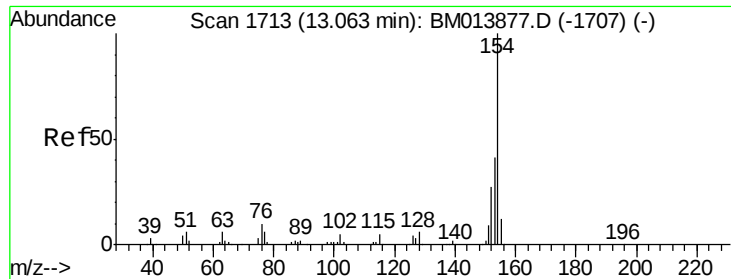
Tot Ion:127 Resp: 82467
 Ion Ratio Lower Upper
 127 100
 129 87.7 28.4 42.6#



#34
 2-Methylnaphthalene
 Concen: 19.718 ng/ul
 RT: 12.03 min Scan# 1537
 Delta R.T. 0.00 min
 Lab File: BM013886.D
 Acq: 27 Jan 2018 16:19

Tgt Ion:142 Resp: 356766
 Ion Ratio Lower Upper
 142 100
 141 87.4 74.1 111.1

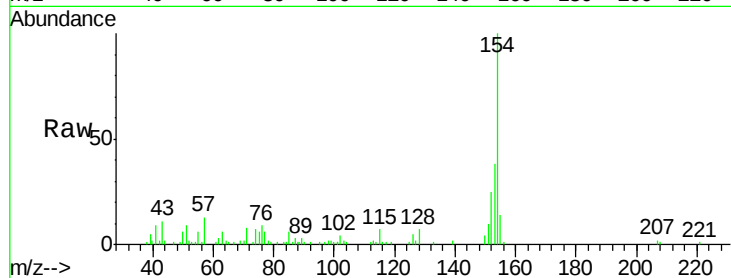




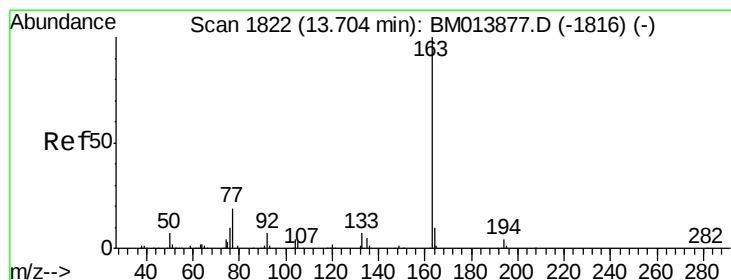
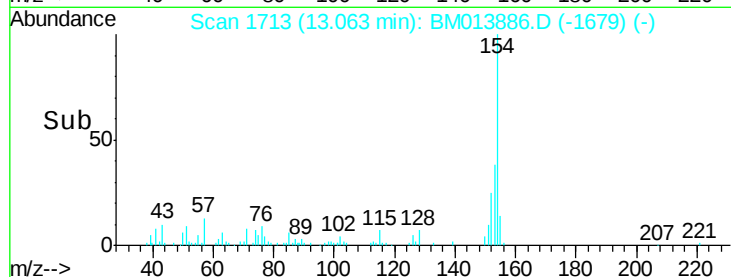
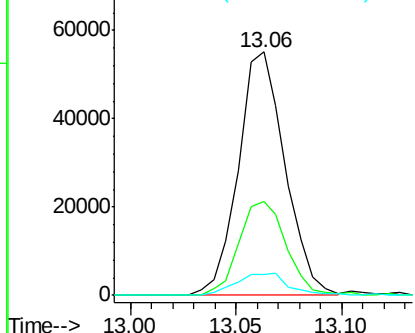
#40
 1,1'-Biphenyl
 Concen: 3.486 ng/ul
 RT: 13.06 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: BM013886.D
 Acq: 27 Jan 2018 16:19

Instrument :
 BNA_M
 ClientSampleId :
 F6B43

Tot Ion:154 Resp: 84724
 Ion Ratio Lower Upper
 154 100
 153 38.4 32.6 48.8
 76 8.8 8.5 12.7

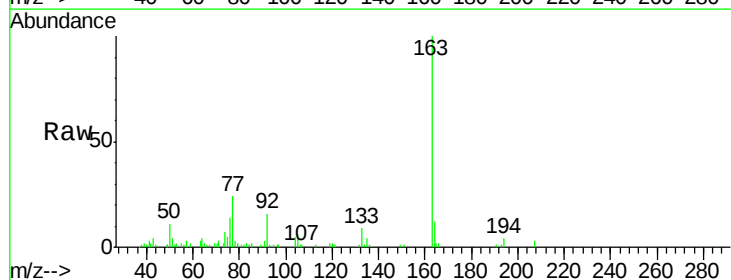


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BM

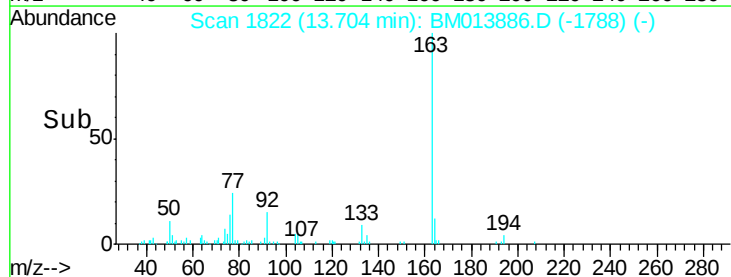
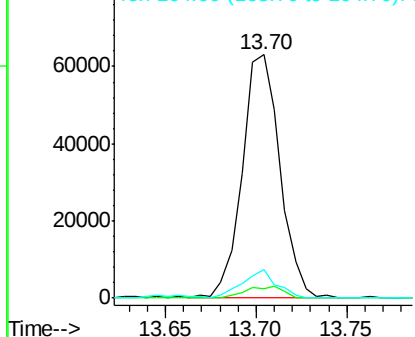


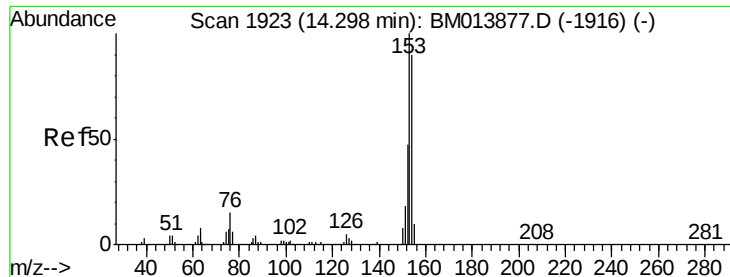
#44
 Dimethylphthalate
 Concen: 3.858 ng/ul
 RT: 13.70 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: BM013886.D
 Acq: 27 Jan 2018 16:19

Tgt Ion:163 Resp: 91285
 Ion Ratio Lower Upper
 163 100
 194 3.7 3.5 5.3
 164 11.6 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: 14.001 ng/ul

RT: 14.30 min Scan# 1923

Delta R.T. 0.00 min

Lab File: BM013886.D

Acq: 27 Jan 2018 16:19

Instrument :

BNA_M

ClientSampleId :

F6B43

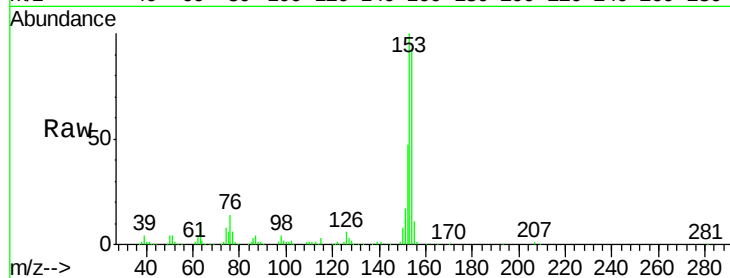
Tot Ion:153 Resp: 272234

Ion Ratio Lower Upper

153 100

152 46.9 37.6 56.4

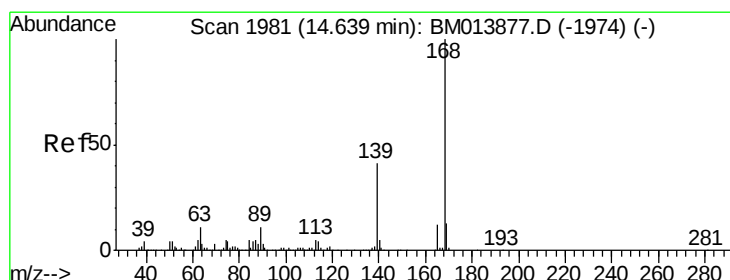
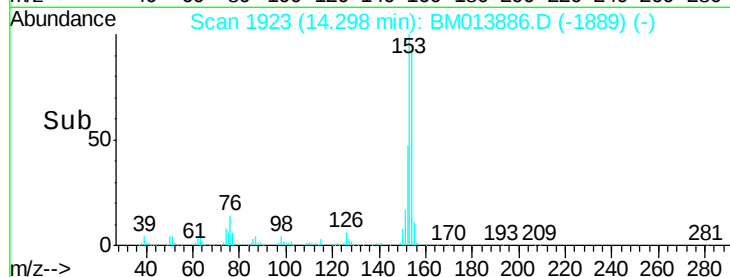
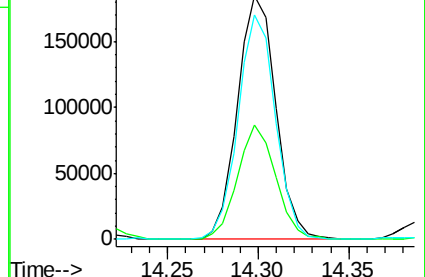
154 92.1 70.4 105.6



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: 10.282 ng/ul

RT: 14.64 min Scan# 1981

Delta R.T. 0.00 min

Lab File: BM013886.D

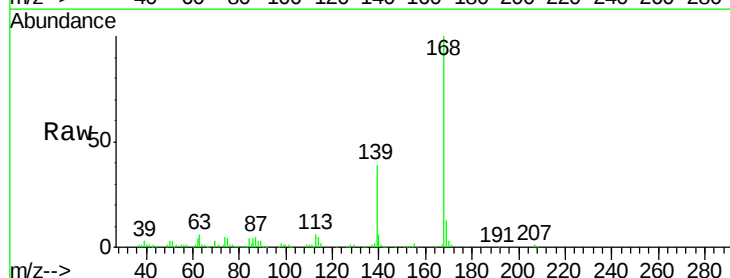
Acq: 27 Jan 2018 16:19

Tgt Ion:168 Resp: 300751

Ion Ratio Lower Upper

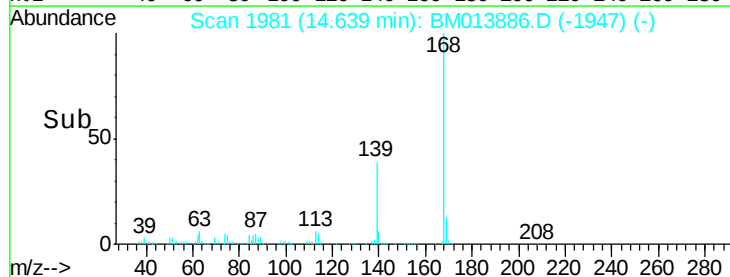
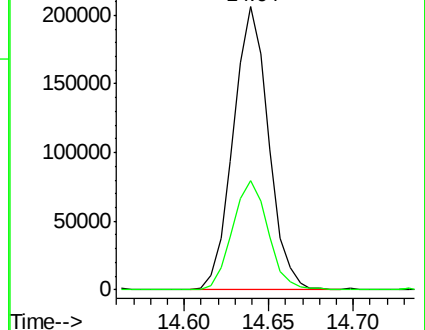
168 100

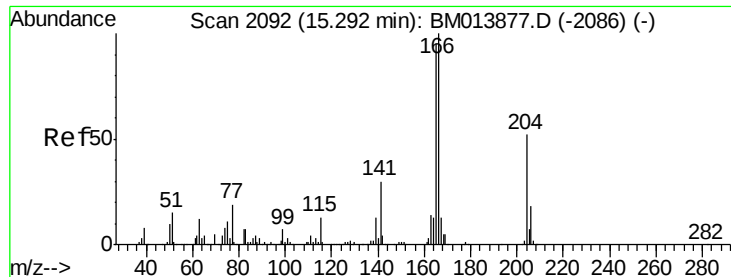
139 38.6 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 9.469 ng/ul

RT: 15.29 min Scan# 2092

Delta R.T. 0.00 min

Lab File: BM013886.D

Acq: 27 Jan 2018 16:19

Instrument :

BNA_M

ClientSampleId :

F6B43

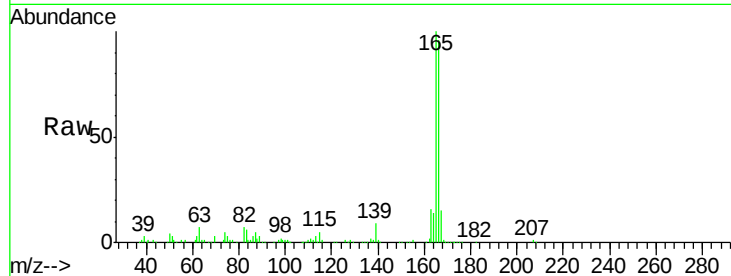
Tot Ion:166 Resp: 226888

Ion Ratio Lower Upper

166 100

165 103.9 77.9 116.9

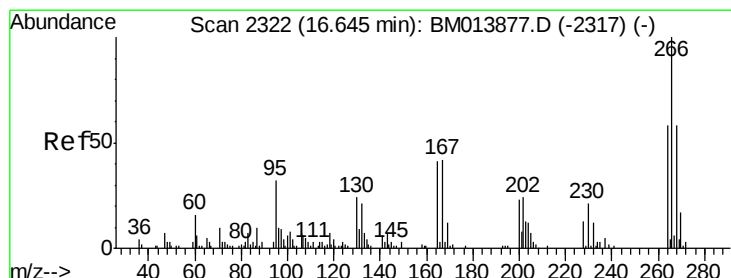
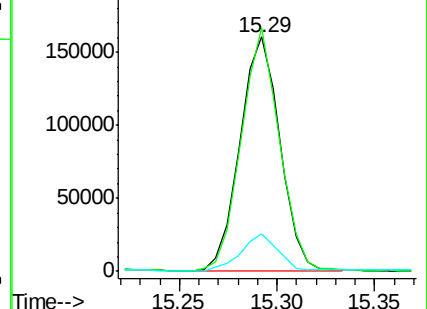
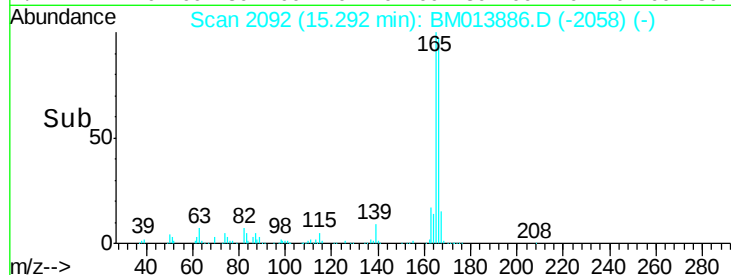
167 16.0 10.6 16.0#



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



#68

Pentachlorophenol

Concen: 20.523 ng/ul

RT: 16.64 min Scan# 2322

Delta R.T. 0.00 min

Lab File: BM013886.D

Acq: 27 Jan 2018 16:19

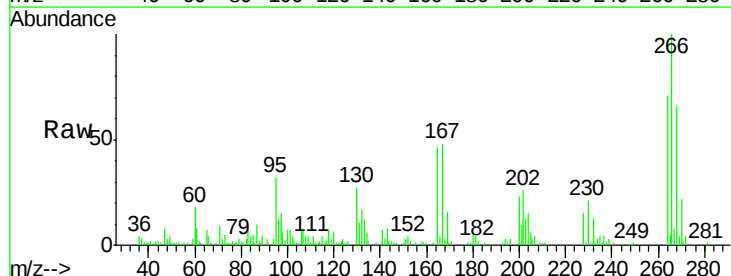
Tgt Ion:266 Resp: 92161

Ion Ratio Lower Upper

266 100

264 70.7 49.3 73.9

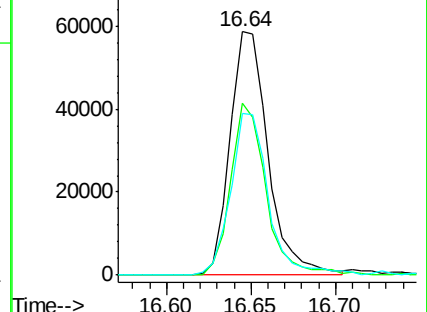
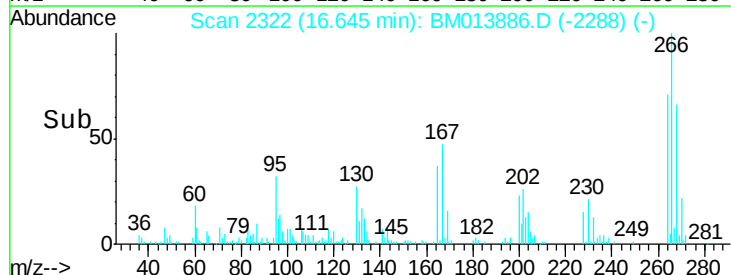
268 66.2 52.6 78.8

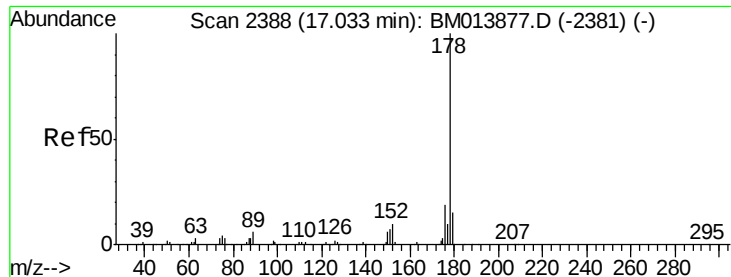


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#69

Phenanthrene

Concen: 29.440 ng/ul

RT: 17.03 min Scan# 2388

Delta R.T. 0.00 min

Lab File: BM013886.D

Acq: 27 Jan 2018 16:19

Instrument :

BNA_M

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F6B43

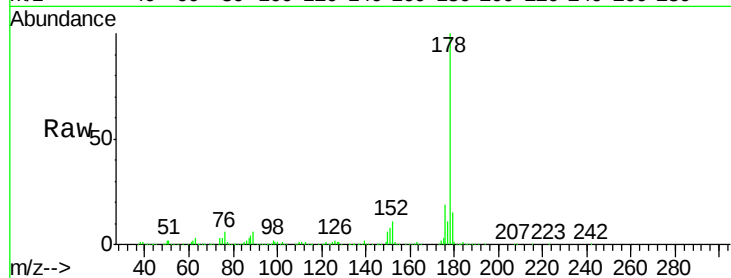
Tot Ion:178 Resp: 1087752

Ion	Ratio	Lower	Upper
178	100		
179	15.0	12.6	19.0
176	18.7	14.9	22.3

178 100

179 15.0 12.6 19.0

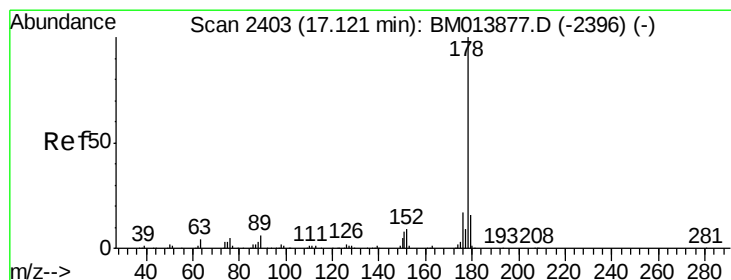
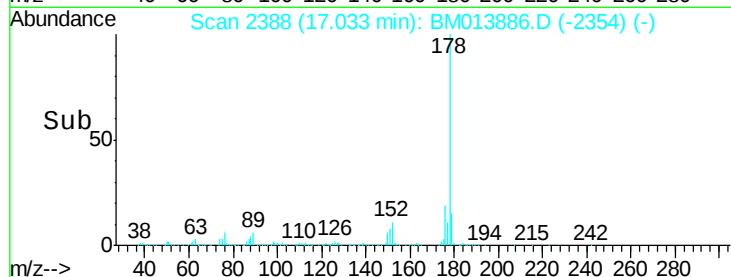
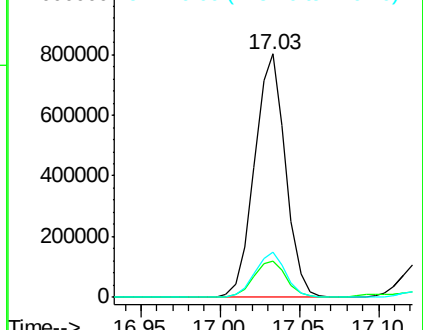
176 18.7 14.9 22.3



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: 3.906 ng/ul

RT: 17.12 min Scan# 2403

Delta R.T. 0.00 min

Lab File: BM013886.D

Acq: 27 Jan 2018 16:19

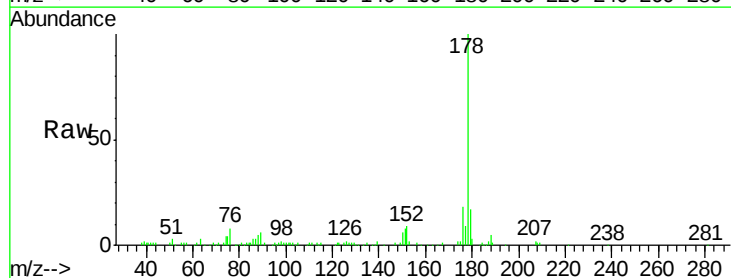
Tgt Ion:178 Resp: 148871

Ion	Ratio	Lower	Upper
178	100		
179	16.8	11.7	17.5
176	17.8	14.6	21.8

178 100

179 16.8 11.7 17.5

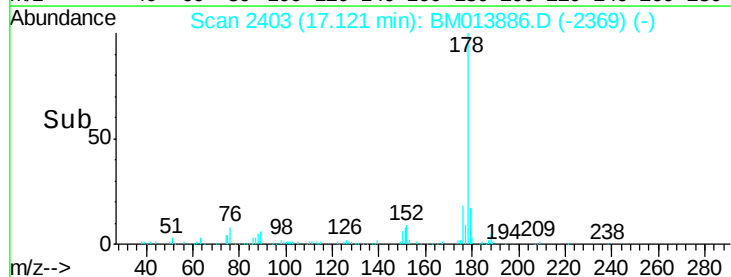
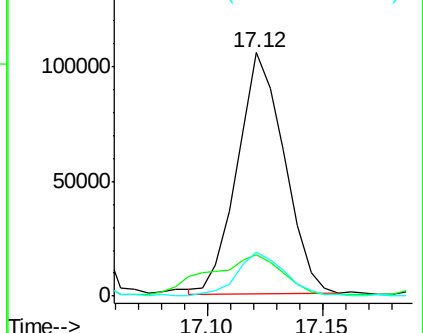
176 17.8 14.6 21.8

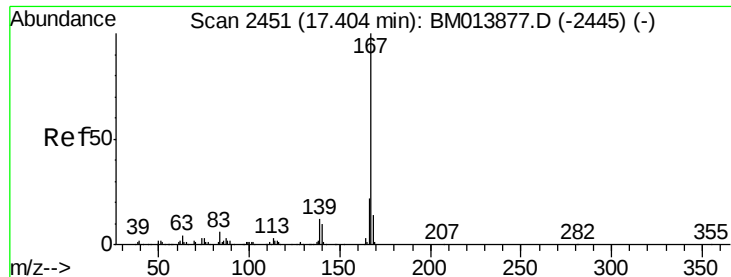


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

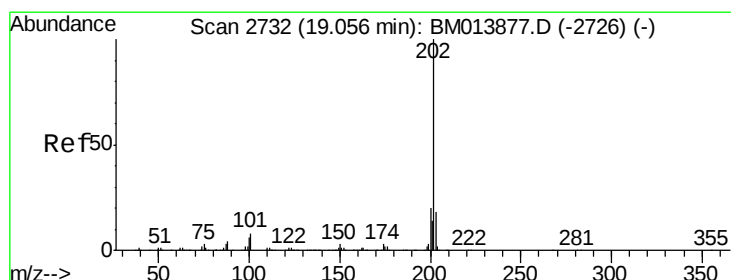
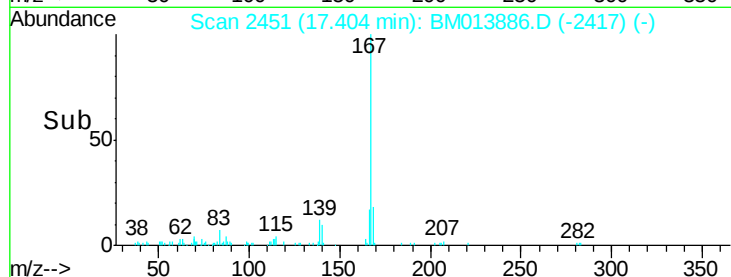
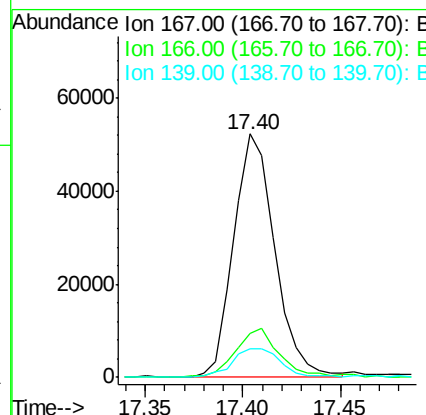
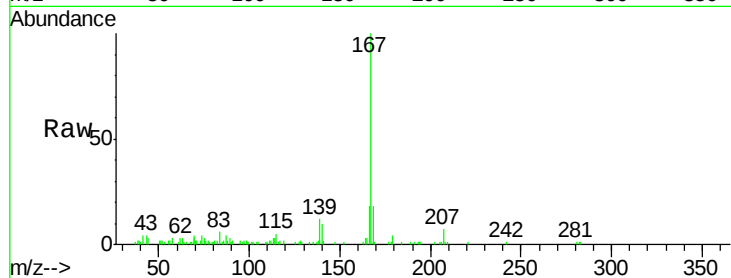




#72
 Carbazole
 Concen: 2.446 ng/ul
 RT: 17.40 min Scan# 2451
 Delta R.T. 0.00 min
 Lab File: BM013886.D
 Acq: 27 Jan 2018 16:19

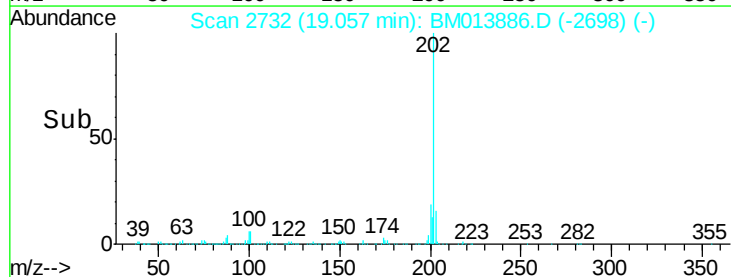
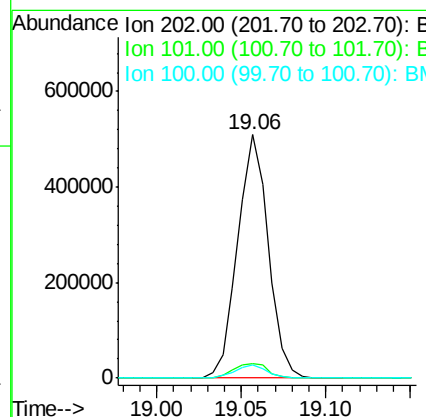
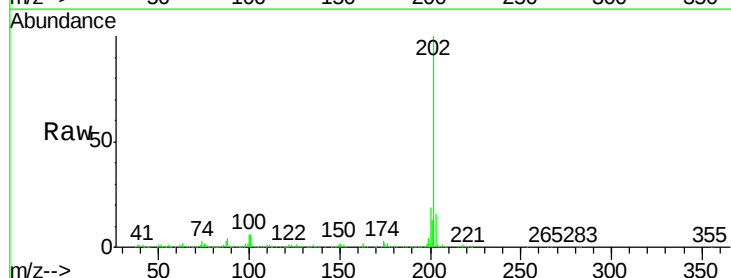
Instrument :
 BNA_M
 ClientSampleId :
 F6B43

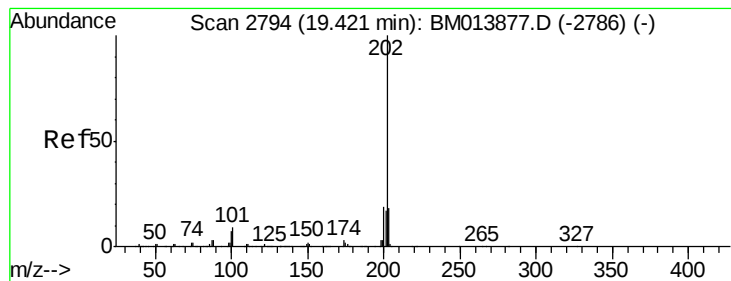
Tot Ion	Ratio	Lower	Upper
167	100		
166	18.2	17.1	25.7
139	11.6	10.0	15.0



#74
 Fluoranthene
 Concen: 14.614 ng/ul
 RT: 19.06 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: BM013886.D
 Acq: 27 Jan 2018 16:19

Tgt Ion	Ratio	Lower	Upper
202	100		
101	6.1	4.6	7.0
100	5.7	3.4	5.2





#77

Pvrene

Concen: 10.319 ng/ul

RT: 19.42 min Scan# 2794

Delta R.T. 0.00 min

Lab File: BM013886.D

Acq: 27 Jan 2018 16:19

Instrument :

BNA_M

ClientSampleId :

F6B43

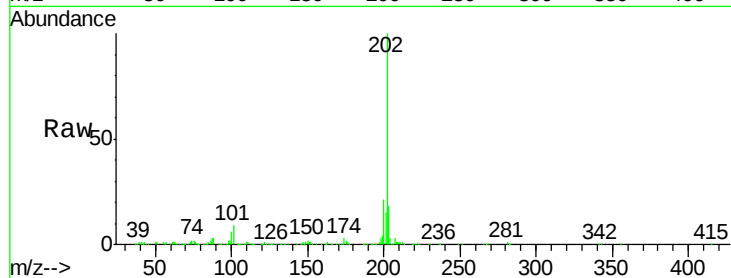
Tot Ion:202 Resp: 465490

Ion Ratio Lower Upper

202 100

101 8.7 5.1 7.7#

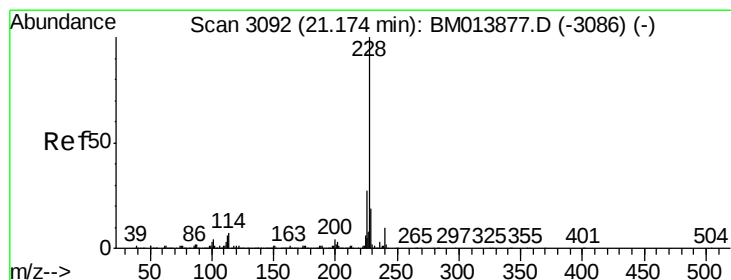
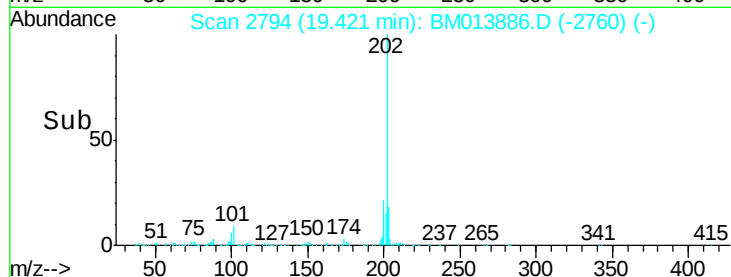
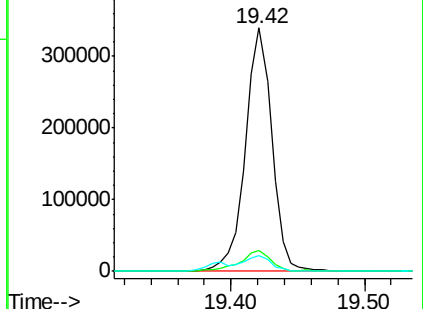
100 6.3 4.9 7.3



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: 2.134 ng/ul

RT: 21.17 min Scan# 3092

Delta R.T. 0.00 min

Lab File: BM013886.D

Acq: 27 Jan 2018 16:19

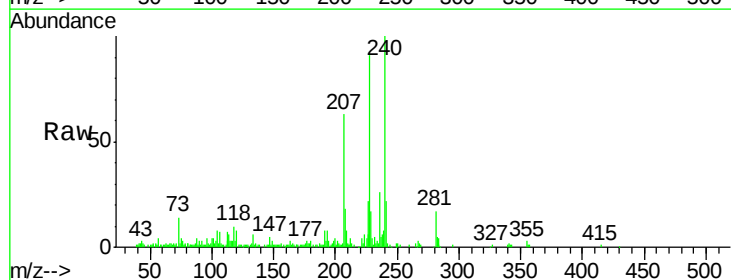
Tgt Ion:228 Resp: 95667

Ion Ratio Lower Upper

228 100

229 18.7 15.4 23.0

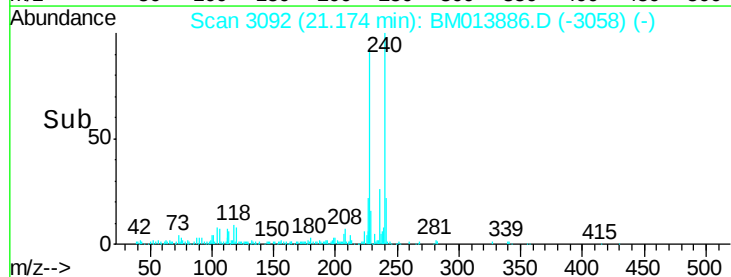
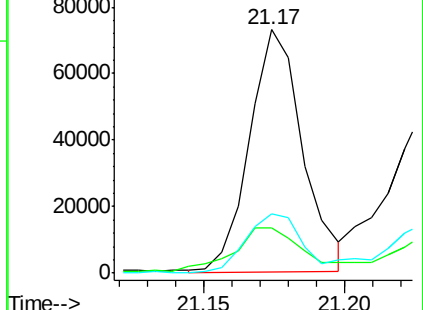
226 24.3 21.4 32.0

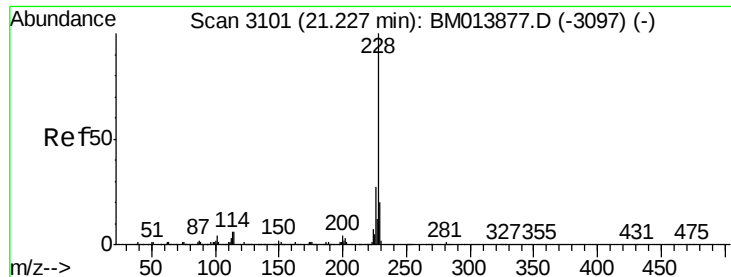


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 1.812 ng/ul

RT: 21.23 min Scan# 3101

Delta R.T. 0.00 min

Lab File: BM013886.D

Acq: 27 Jan 2018 16:19

Instrument :

BNA_M

ClientSampleId :

F6B43

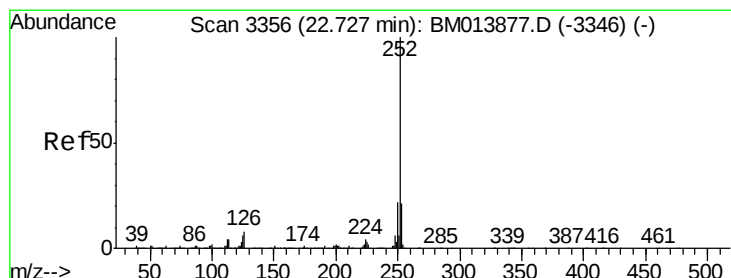
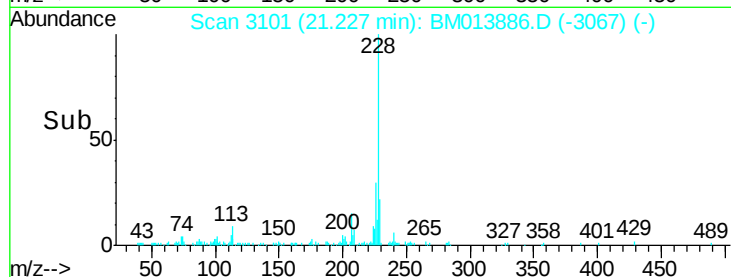
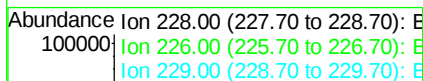
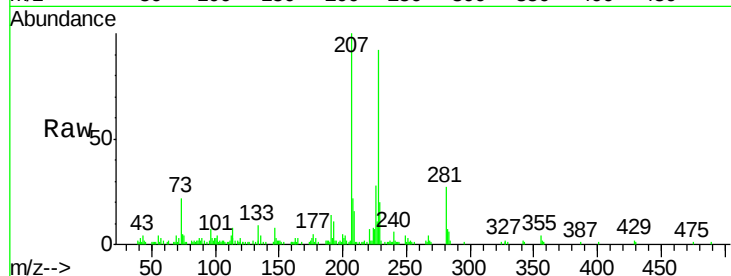
Tot Ion:228 Resp: 74517

Ion Ratio Lower Upper

228 100

226 30.6 23.4 35.2

229 22.3 15.5 23.3



#85

Benzo(b)fluoranthene

Concen: 1.367 ng/ul

RT: 22.73 min Scan# 3357

Delta R.T. 0.01 min

Lab File: BM013886.D

Acq: 27 Jan 2018 16:19

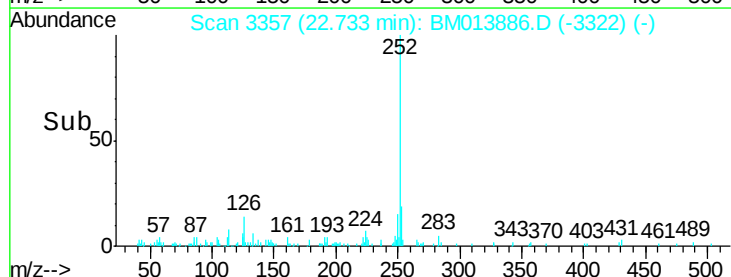
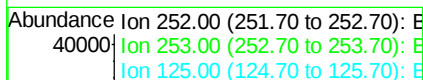
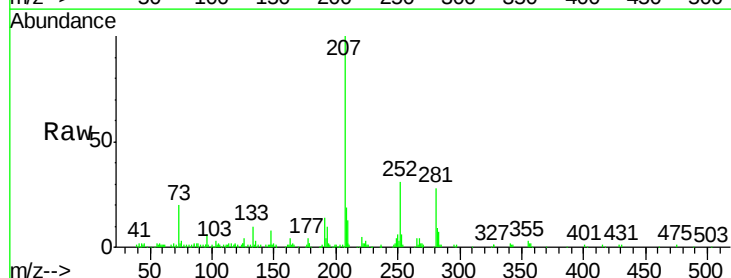
Tgt Ion:252 Resp: 60650

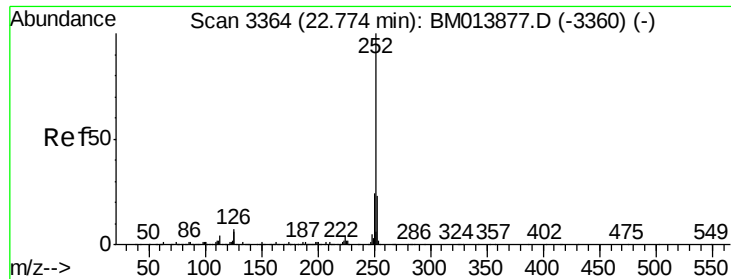
Ion Ratio Lower Upper

252 100

253 20.7 17.9 26.9

125 5.7 3.6 5.4#





#86

Benzo(k)fluoranthene

Concen: 1.414 ng/ul

RT: 22.73 min Scan# 3357

Delta R.T. -0.04 min

Lab File: BM013886.D

Acq: 27 Jan 2018 16:19

Instrument :

BNA_M

ClientSampleId :

F6B43

Tot Ion:252 Resp: 60650

Ion Ratio Lower Upper

252 100

253 20.7 17.1 25.7

125 5.7 3.4 5.2#

