

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042318\
 Data File : BM014784.D
 Acq On : 23 Apr 2018 20:01
 Operator : SJ/JU
 Sample : J2431-06
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Apr 24 02:15:49 2018
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM041918.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Apr 24 02:13:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.53	152	393256	20.00	ng/ul	0.00
18) Naphthalene-d8	11.37	136	1590542	20.00	ng/ul	0.00
35) Acenaphthene-d10	15.13	164	828169	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.84	188	1724822	20.00	ng/ul	0.00
75) Chrysene-d12	21.93	240	1729030	20.00	ng/ul	0.00
83) Perylene-d12	24.42	264	1789347	20.00	ng/ul	0.00

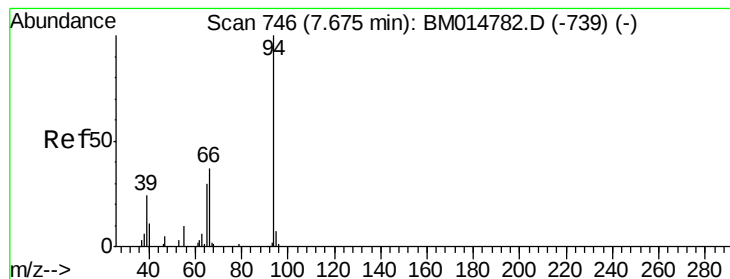
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.66	96	61103	6.78	ng/uL	0.00
5) Phenol-d5	7.65	99	231608	7.62	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.83	67	709625	36.40	ng/ul	0.00
9) 2-Chlorophenol-d4	8.05	132	716425	28.17	ng/ul	0.00
13) 4-Methylphenol-d8	9.22	113	445226	18.36	ng/ul	0.00
19) Nitrobenzene-d5	9.71	128	428582	37.27	ng/ul	0.00
22) 2-Nitrophenol-d4	10.44	143	452915	39.55	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.97	165	744408	32.00	ng/ul	0.00
29) 4-Chloroaniline-d4	11.47	131	79249	3.45	ng/ul	-0.02
43) Dimethylphthalate-d6	14.52	166	2304673	35.65	ng/ul	0.00
46) Acenaphthylene-d8	14.83	160	3000152	37.58	ng/ul	0.00
51) 4-Nitrophenol-d4	15.28	143	76774	6.40	ng/ul	0.00
57) Fluorene-d10	16.10	176	1962733	34.91	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	16.20	200	292911	31.38	ng/ul	0.00
70) Anthracene-d10	17.94	188	2882134	35.86	ng/ul	0.00
76) Pyrene-d10	20.17	212	3049254	37.28	ng/ul	0.00
87) Benzo(a)pyrene-d12	24.26	264	3053027	34.73	ng/ul	0.00

Target Compounds

					Ovalue	
6) Phenol	7.67	94	36256	1.212	ng/ul#	78
14) Acetophenone	9.34	105	159062	4.477	ng/ul#	25
17) Hexachloroethane	9.64	117	50665	4.946	ng/ul#	1
28) Naphthalene	11.42	128	267563	3.452	ng/ul	97
34) 2-Methylnaphthalene	12.99	142	378797	7.038	ng/ul	96
40) 1,1'-Biphenyl	13.97	154	150073	2.253	ng/ul#	96
44) Dimethylphthalate	14.56	163	259222	4.148	ng/ul	99
47) Acenaphthylene	14.86	152	132874	1.718	ng/ul#	91
49) Acenaphthene	15.19	153	4346532	79.081	ng/ul	99
53) Dibenzofuran	15.52	168	4395209	57.586	ng/ul	100
54) 2,4-Dinitrotoluene	15.43	165	33888	2.007	ng/ul#	73
58) Fluorene	16.16	166	4645789	75.383	ng/ul	99
60) 4-Nitroaniline	16.16	138	54080	4.110	ng/ul#	13
69) Phenanthrene	17.89	178	4881821	52.702	ng/ul	99
71) Anthracene	17.97	178	481200	5.119	ng/ul	97
72) Carbazole	18.23	167	188099	2.345	ng/ul	99
73) Di-n-butylphthalate	18.75	149	166196	1.704	ng/ul#	96
74) Fluoranthene	19.84	202	2163249	21.420	ng/ul#	81
77) Pyrene	20.20	202	1255117	12.424	ng/ul#	79
78) Butylbenzylphthalate	21.04	149	59380	1.441	ng/ul#	97

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



#6

Phenol

Concen: 1.212 ng/ul

RT: 7.67 min Scan# 746

Delta R.T. 0.00 min

Lab File: BM014784.D

Acq: 23 Apr 2018 20:01

Instrument :

BNA_M

ClientSampleId :

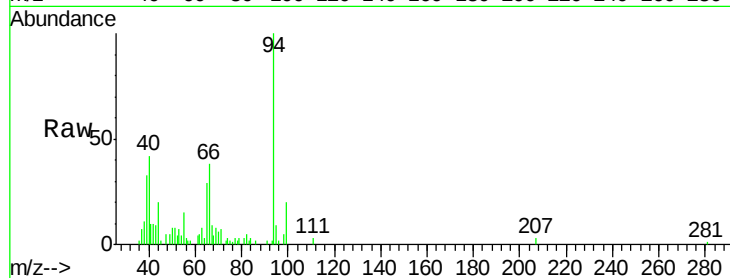
Tot Ion: 94 Resp: 36256

Ion Ratio Lower Upper

94 100

65 28.9 28.2 42.4

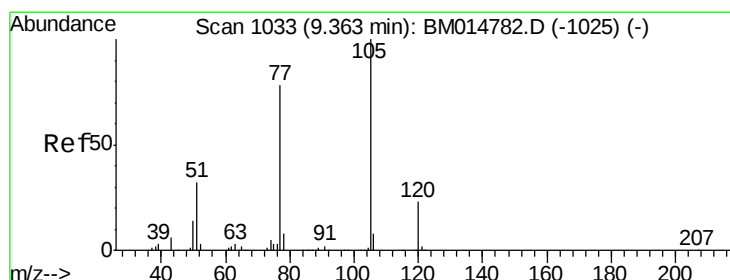
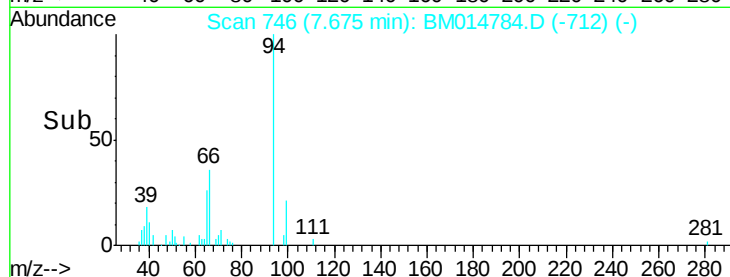
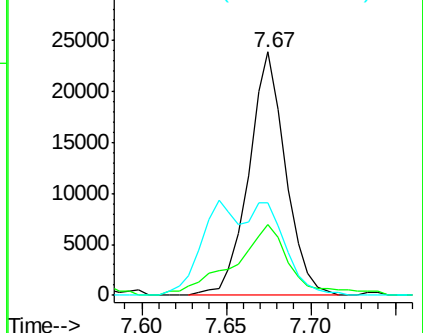
66 38.0 47.2 70.8#



Abundance Ion 94.00 (93.70 to 94.70): BM014784.D (-739) (-)

Ion 65.00 (64.70 to 65.70): BM014784.D (-739) (-)

Ion 66.00 (65.70 to 66.70): BM014784.D (-739) (-)



#14

Acetophenone

Concen: 4.477 ng/ul

RT: 9.34 min Scan# 1029

Delta R.T. -0.02 min

Lab File: BM014784.D

Acq: 23 Apr 2018 20:01

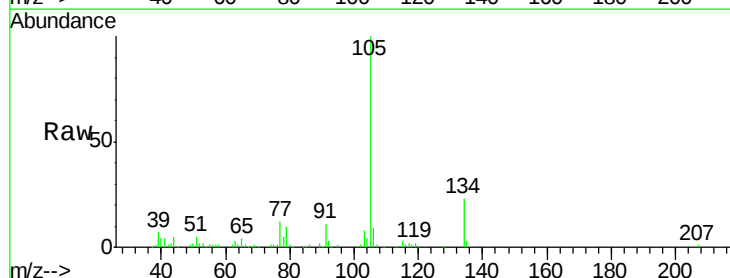
Tgt Ion: 105 Resp: 159062

Ion Ratio Lower Upper

105 100

77 12.3 74.2 111.4#

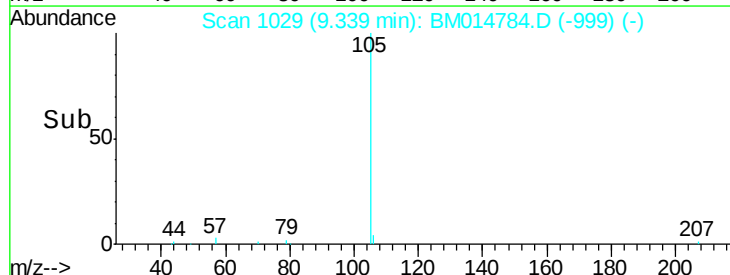
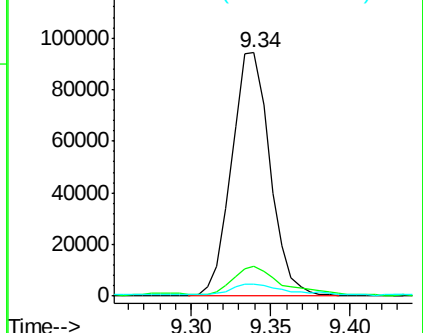
51 4.9 23.4 35.2#

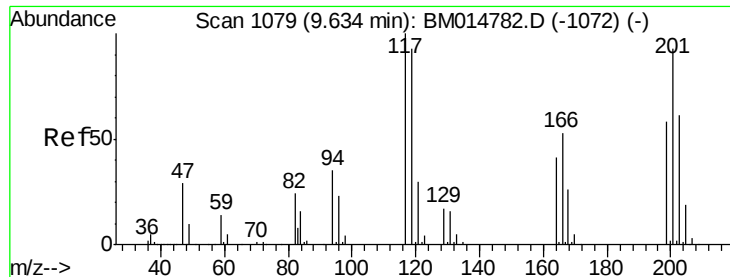


Abundance Ion 105.00 (104.70 to 105.70): BM014784.D (-999) (-)

Ion 77.00 (76.70 to 77.70): BM014784.D (-999) (-)

Ion 51.00 (50.70 to 51.70): BM014784.D (-999) (-)

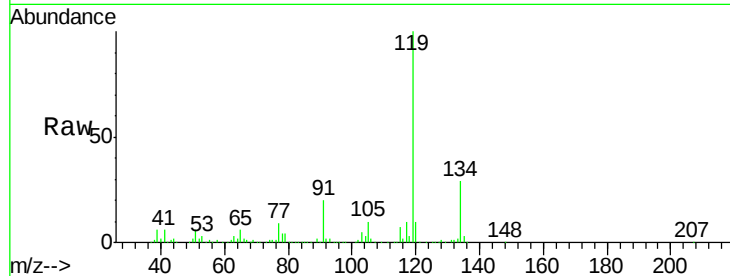




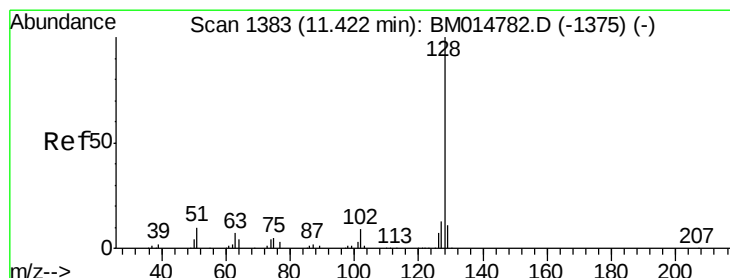
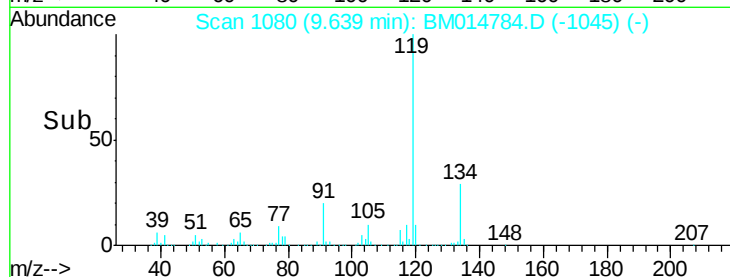
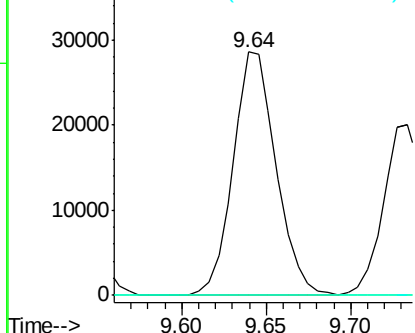
#17
Hexachloroethane
Concen: 4.946 ng/ul
RT: 9.64 min Scan# 1080
Delta R.T. 0.01 min
Lab File: BM014784.D
Acq: 23 Apr 2018 20:01

Instrument :
BNA_M
ClientSampleId :

Tot Ion:117 Resp: 50665
Ion Ratio Lower Upper
117 100
201 0.0 111.6 167.4#
199 0.0 67.8 101.6#

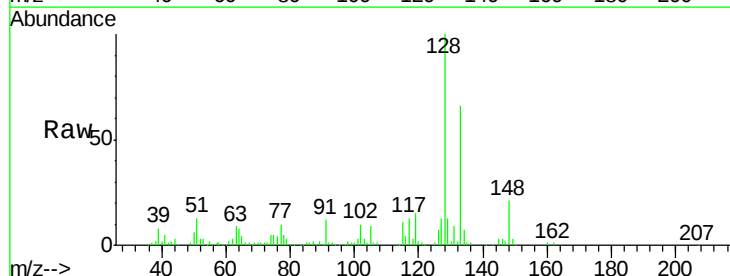


Abundance Ion 117.00 (116.70 to 117.70): E
Ion 201.00 (200.70 to 201.70): E
Ion 199.00 (198.70 to 199.70): E

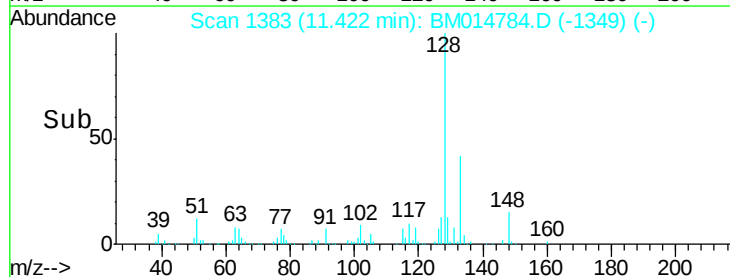
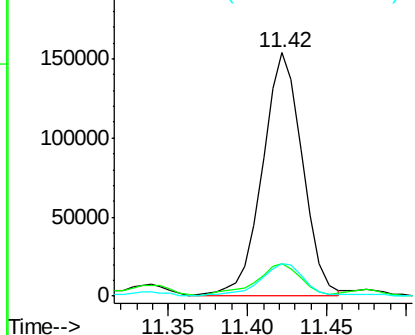


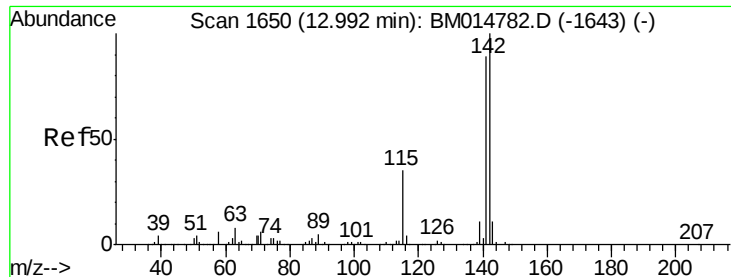
#28
Naphthalene
Concen: 3.452 ng/ul
RT: 11.42 min Scan# 1383
Delta R.T. 0.00 min
Lab File: BM014784.D
Acq: 23 Apr 2018 20:01

Tgt Ion:128 Resp: 267563
Ion Ratio Lower Upper
128 100
129 13.1 8.8 13.2
127 13.1 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

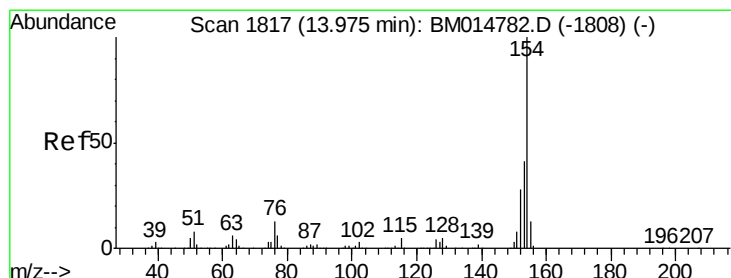
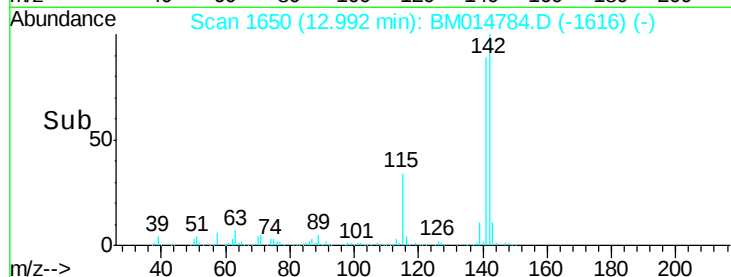
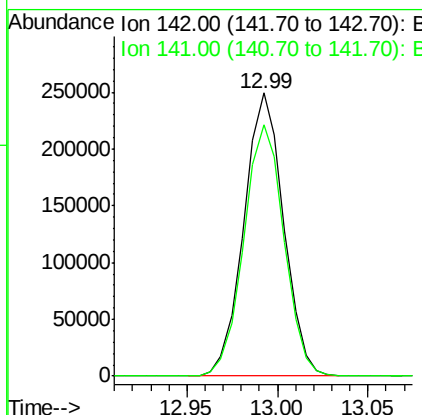
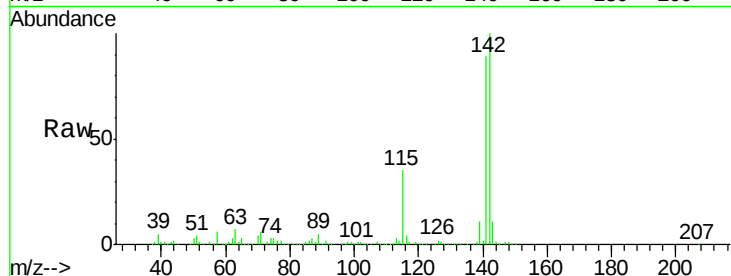




#34
 2-Methylnaphthalene
 Concen: 7.038 ng/ul
 RT: 12.99 min Scan# 1650
 Delta R.T. 0.00 min
 Lab File: BM014784.D
 Acq: 23 Apr 2018 20:01

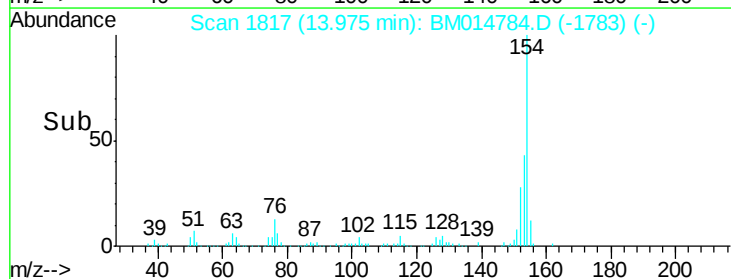
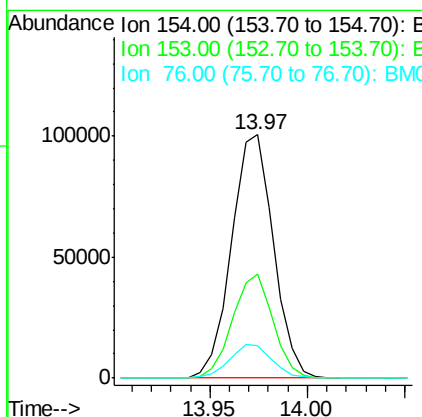
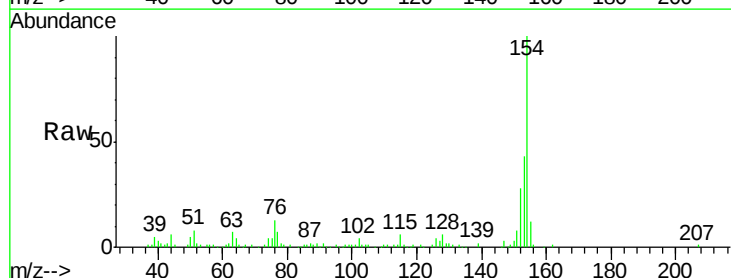
Instrument :
 BNA_M
 ClientSampled :

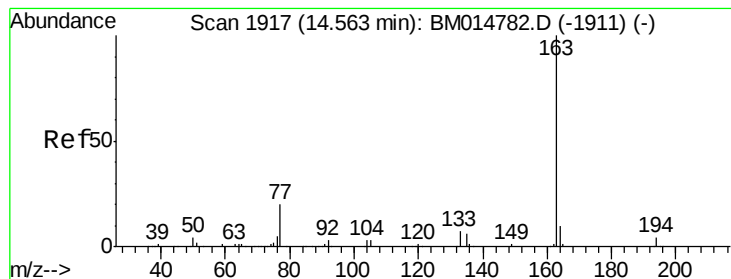
Tot Ion:142 Resp: 378797
 Ion Ratio Lower Upper
 142 100
 141 89.0 74.1 111.1



#40
 1,1'-Biphenyl
 Concen: 2.253 ng/ul
 RT: 13.97 min Scan# 1817
 Delta R.T. 0.00 min
 Lab File: BM014784.D
 Acq: 23 Apr 2018 20:01

Tgt Ion:154 Resp: 150073
 Ion Ratio Lower Upper
 154 100
 153 42.7 32.6 48.8
 76 13.1 8.5 12.7#





#44

Dimethylphthalate

Concen: 4.148 ng/ul

RT: 14.56 min Scan# 1917

Delta R.T. 0.00 min

Lab File: BM014784.D

Acq: 23 Apr 2018 20:01

Instrument :

BNA_M

ClientSampled :

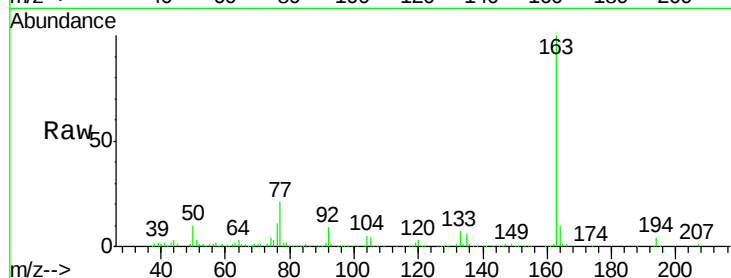
Tot Ion:163 Resp: 259222

Ion Ratio Lower Upper

163 100

194 3.8 3.5 5.3

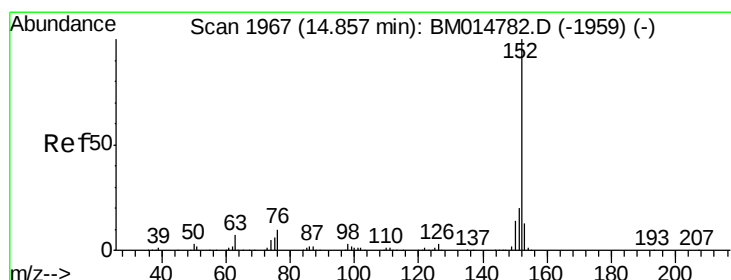
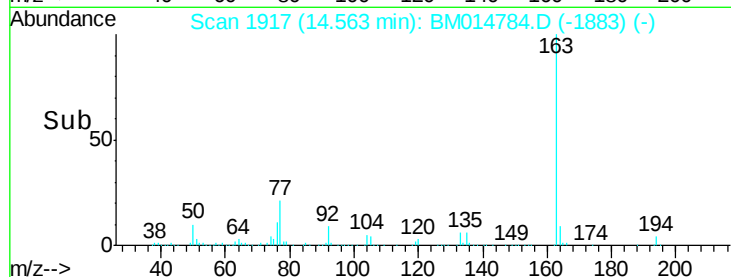
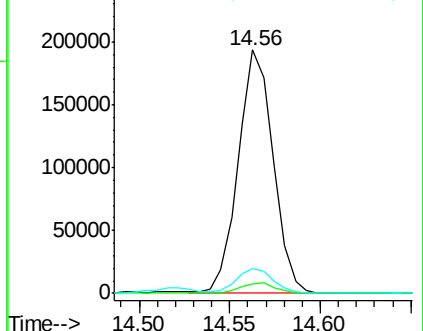
164 9.9 8.2 12.4



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



#47

Acenaphthylene

Concen: 1.718 ng/ul

RT: 14.86 min Scan# 1967

Delta R.T. 0.00 min

Lab File: BM014784.D

Acq: 23 Apr 2018 20:01

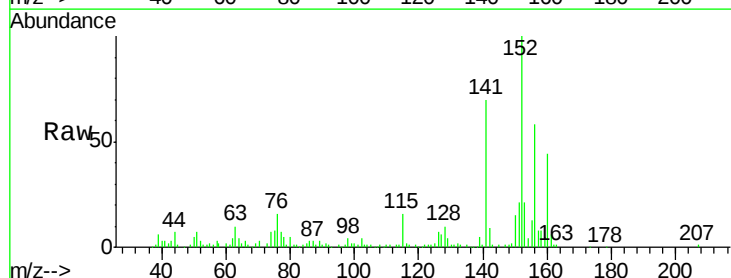
Tgt Ion:152 Resp: 132874

Ion Ratio Lower Upper

152 100

151 21.2 16.3 24.5

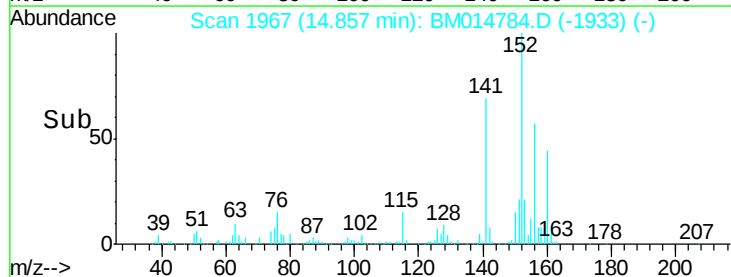
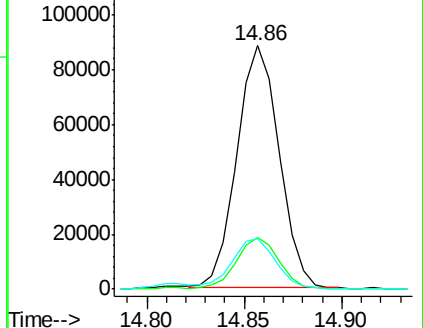
153 20.8 10.2 15.4#

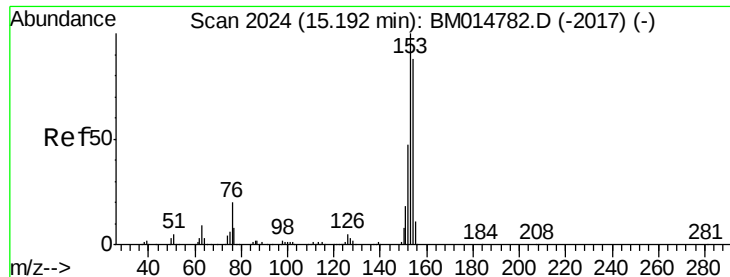


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 79.081 ng/ul

RT: 15.19 min Scan# 2024

Delta R.T. 0.00 min

Lab File: BM014784.D

Acq: 23 Apr 2018 20:01

Instrument :

BNA_M

ClientSampleId :

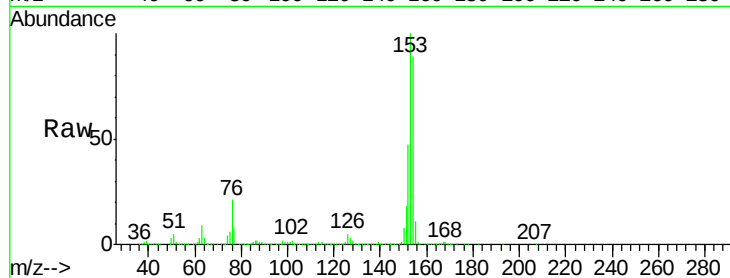
Tot Ion:153 Resp: 4346532

Ion Ratio Lower Upper

153 100

152 47.5 37.6 56.4

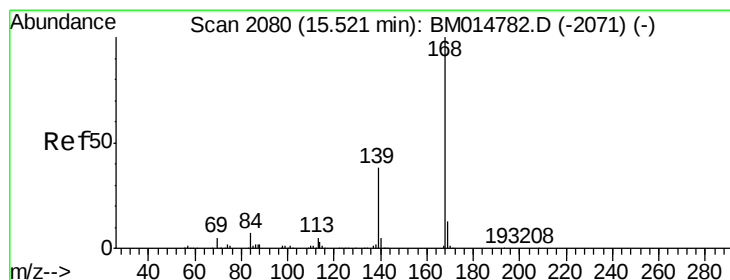
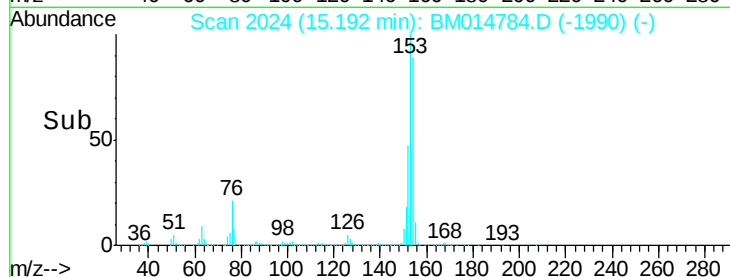
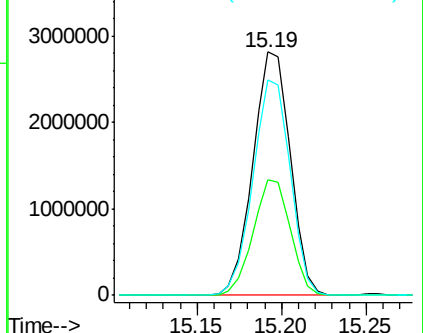
154 88.6 70.4 105.6



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: 57.586 ng/ul

RT: 15.52 min Scan# 2080

Delta R.T. 0.00 min

Lab File: BM014784.D

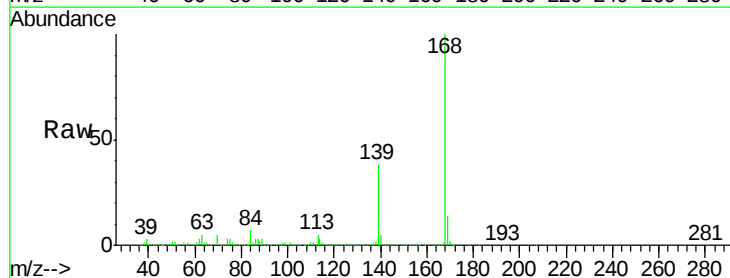
Acq: 23 Apr 2018 20:01

Tgt Ion:168 Resp: 4395209

Ion Ratio Lower Upper

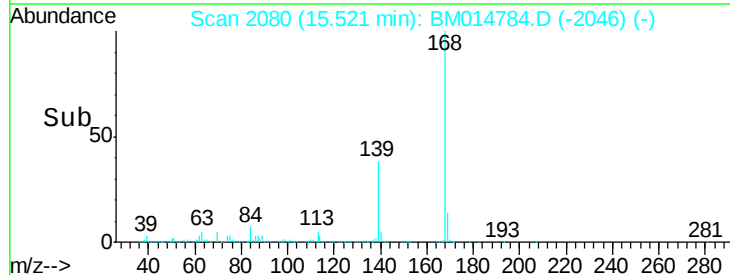
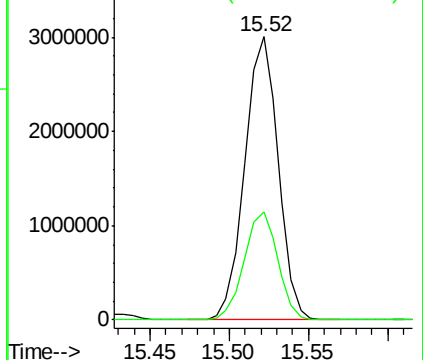
168 100

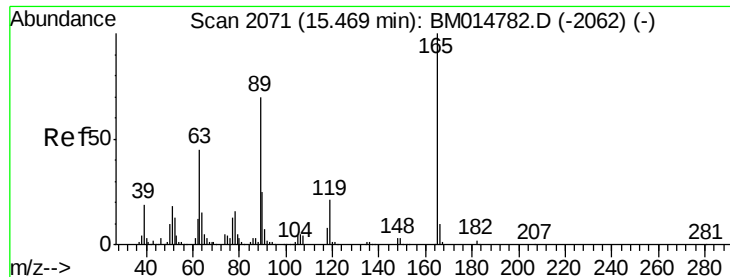
139 38.3 30.8 46.2



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

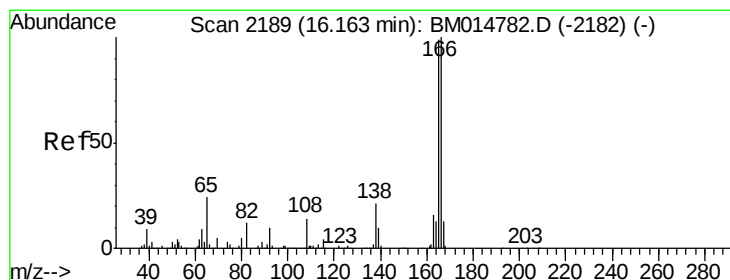
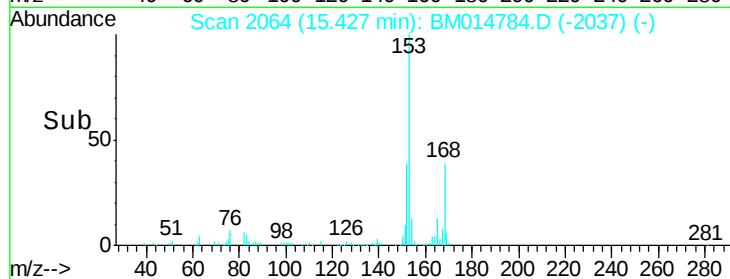
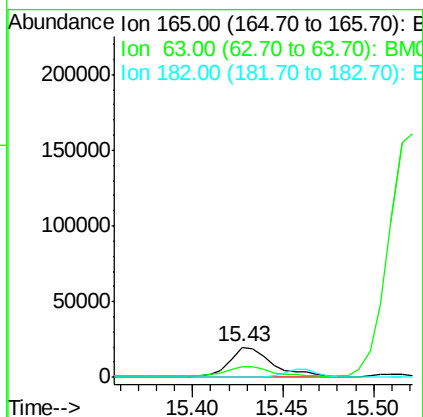
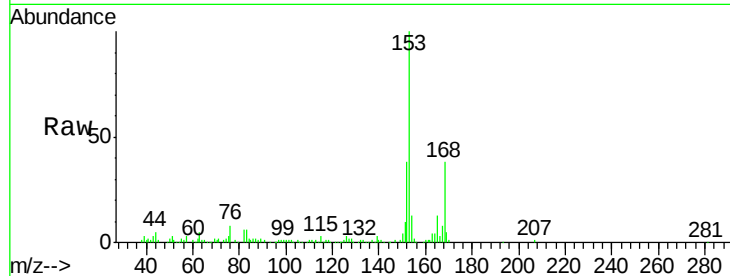




#54
 2,4-Dinitrotoluene
 Concen: 2.007 ng/ul
 RT: 15.43 min Scan# 2064
 Delta R.T. -0.04 min
 Lab File: BM014784.D
 Acq: 23 Apr 2018 20:01

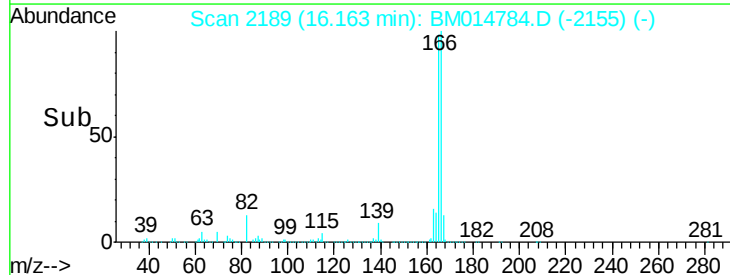
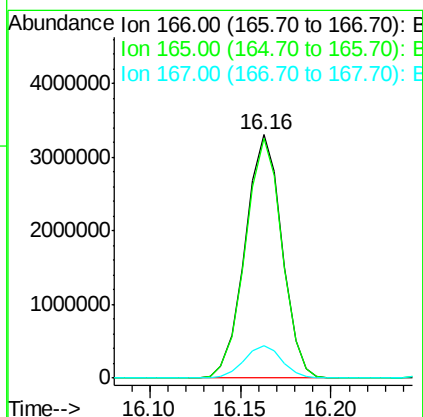
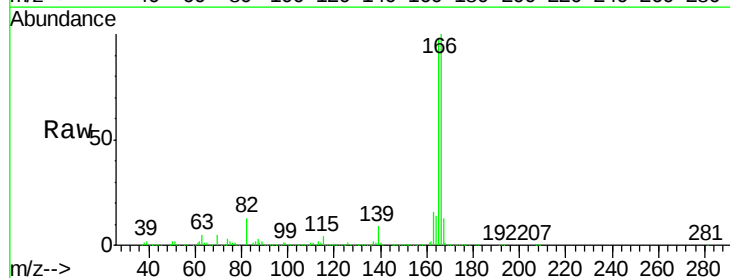
Instrument :
 BNA_M
 ClientSampleId :

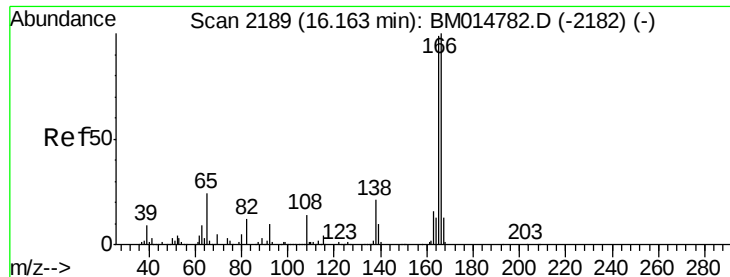
Tot Ion:165 Resp: 33888
 Ion Ratio Lower Upper
 165 100
 63 36.7 45.8 68.8#
 182 0.0 2.6 4.0#



#58
 Fluorene
 Concen: 75.383 ng/ul
 RT: 16.16 min Scan# 2189
 Delta R.T. 0.00 min
 Lab File: BM014784.D
 Acq: 23 Apr 2018 20:01

Tgt Ion:166 Resp: 4645789
 Ion Ratio Lower Upper
 166 100
 165 98.2 77.9 116.9
 167 13.4 10.6 16.0

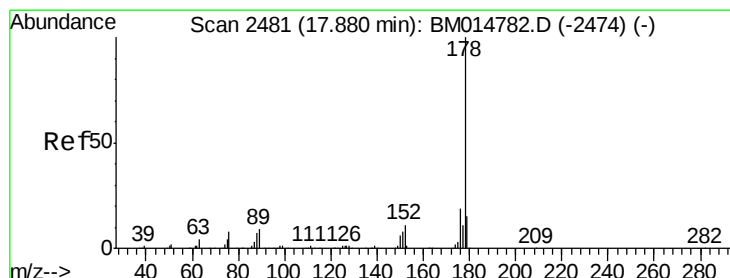
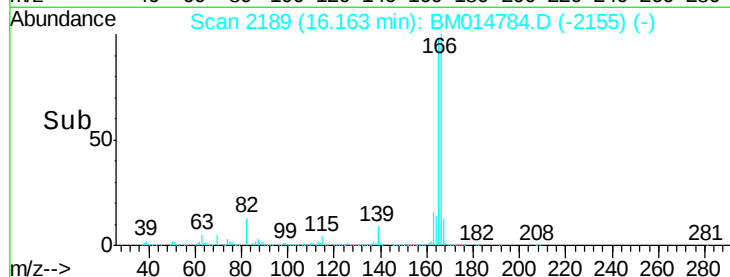
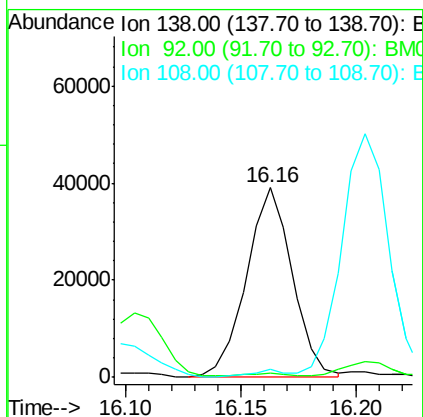
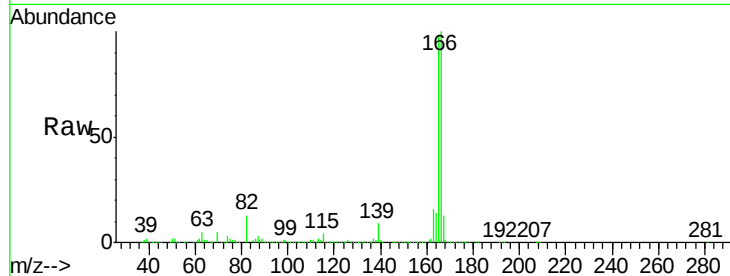




#60
4-Nitroaniline
Concen: 4.110 ng/ul
RT: 16.16 min Scan# 2189
Delta R.T. 0.00 min
Lab File: BM014784.D
Acq: 23 Apr 2018 20:01

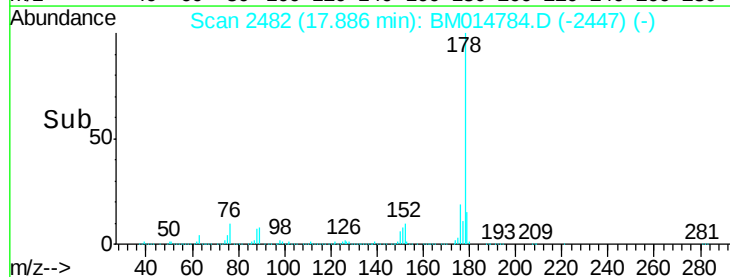
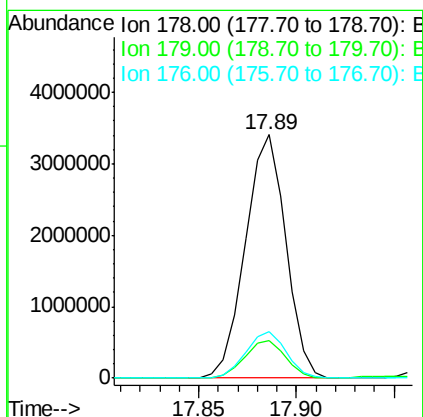
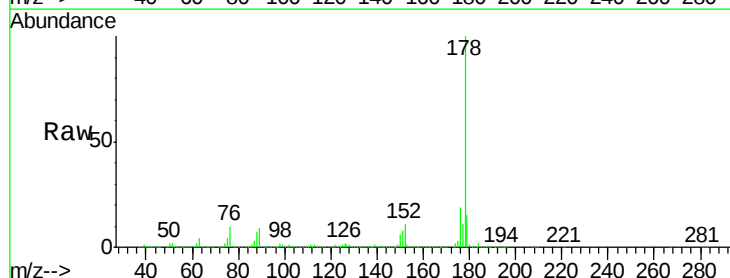
Instrument :
BNA_M
ClientSampleId :

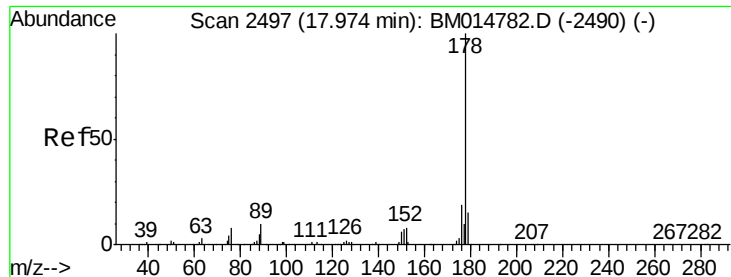
Tot Ion:138 Resp: 54080
Ion Ratio Lower Upper
138 100
92 2.0 40.0 60.0#
108 4.1 80.0 120.0#



#69
Phenanthrene
Concen: 52.702 ng/ul
RT: 17.89 min Scan# 2482
Delta R.T. 0.01 min
Lab File: BM014784.D
Acq: 23 Apr 2018 20:01

Tgt Ion:178 Resp: 4881821
Ion Ratio Lower Upper
178 100
179 15.3 12.6 19.0
176 19.0 14.9 22.3

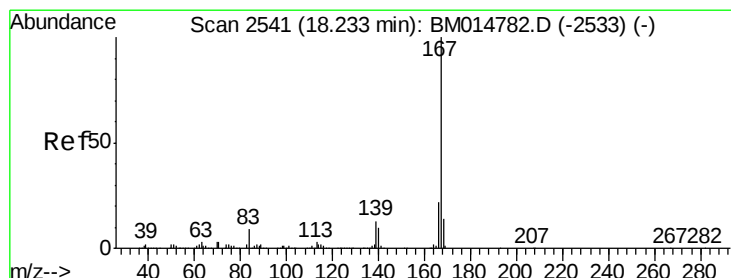
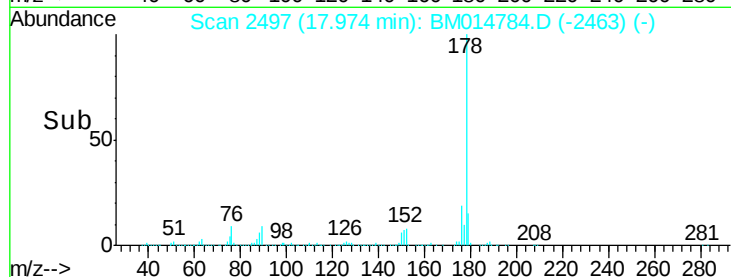
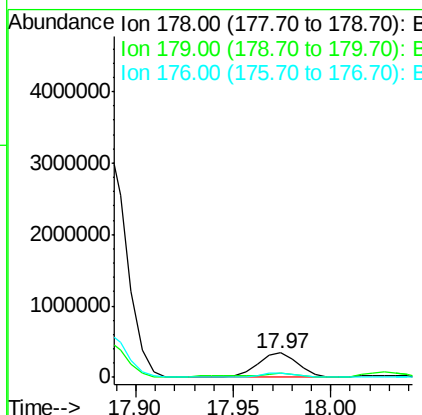
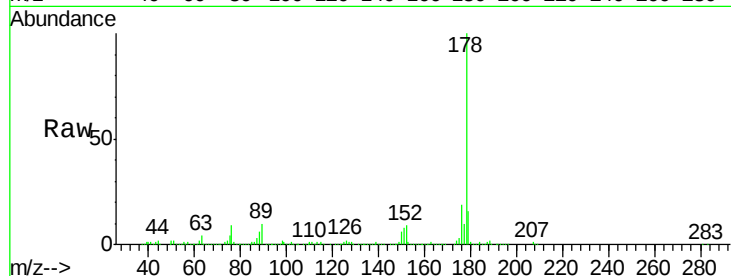




#71
 Anthracene
 Concen: 5.119 ng/ul
 RT: 17.97 min Scan# 2497
 Delta R.T. 0.00 min
 Lab File: BM014784.D
 Acq: 23 Apr 2018 20:01

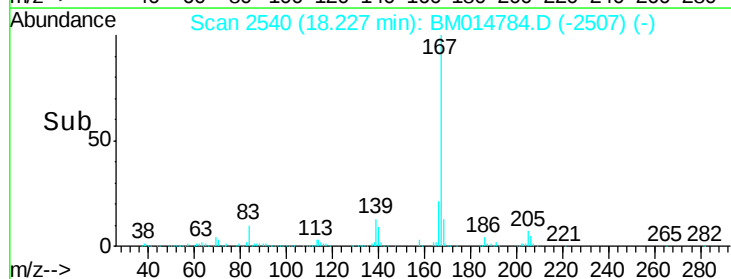
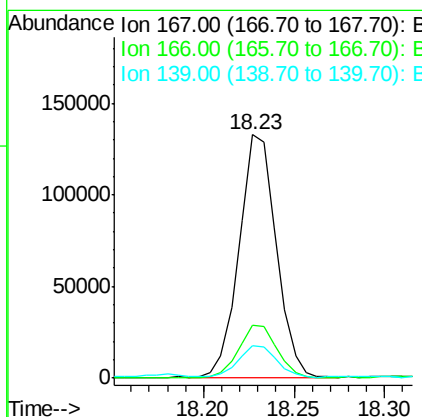
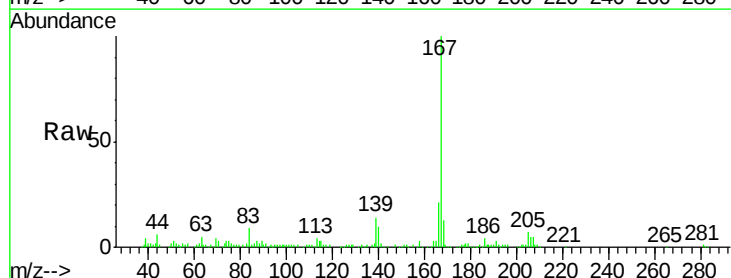
Instrument :
 BNA_M
 ClientSampled :

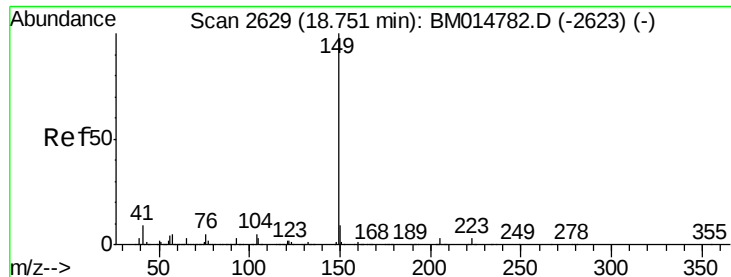
Tot Ion:178 Resp: 481200
 Ion Ratio Lower Upper
 178 100
 179 15.6 11.7 17.5
 176 19.5 14.6 21.8



#72
 Carbazole
 Concen: 2.345 ng/ul
 RT: 18.23 min Scan# 2540
 Delta R.T. -0.01 min
 Lab File: BM014784.D
 Acq: 23 Apr 2018 20:01

Tgt Ion:167 Resp: 188099
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.1 25.7
 139 13.6 10.0 15.0

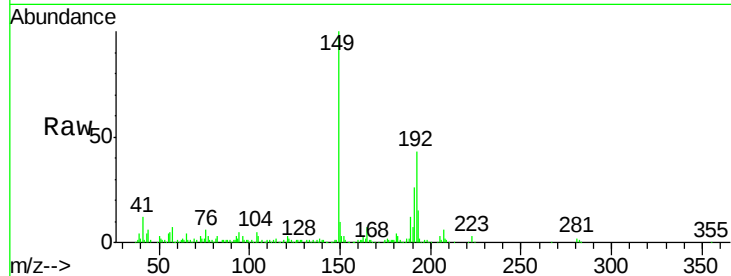




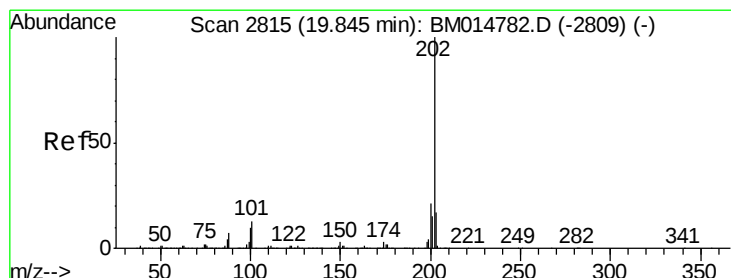
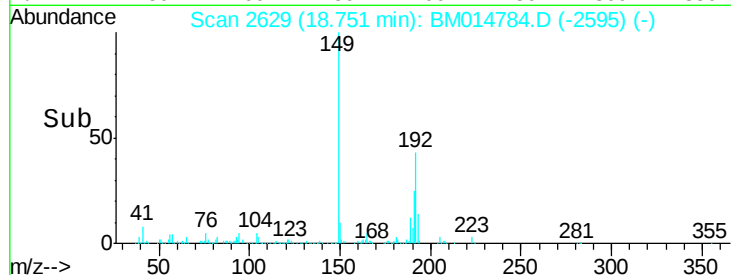
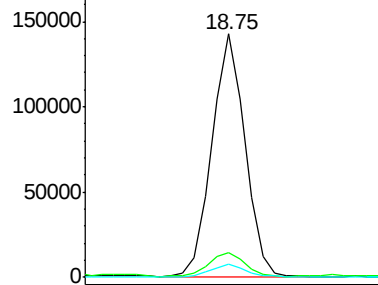
#73
Di-n-butylphthalate
Concen: 1.704 ng/ul
RT: 18.75 min Scan# 2629
Delta R.T. 0.00 min
Lab File: BM014784.D
Acq: 23 Apr 2018 20:01

Instrument :
BNA_M
ClientSampleId :

Tot Ion:149 Resp: 166196
Ion Ratio Lower Upper
149 100
150 10.1 7.1 10.7
104 5.4 5.6 8.4#

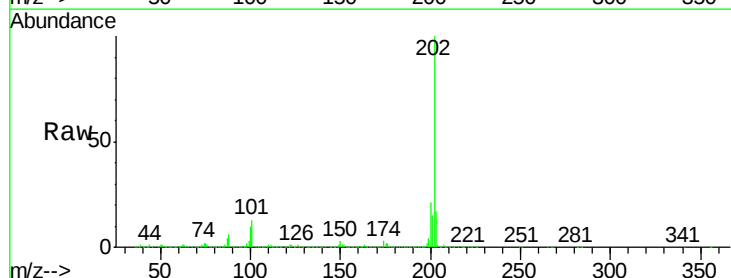


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 104.00 (103.70 to 104.70): E

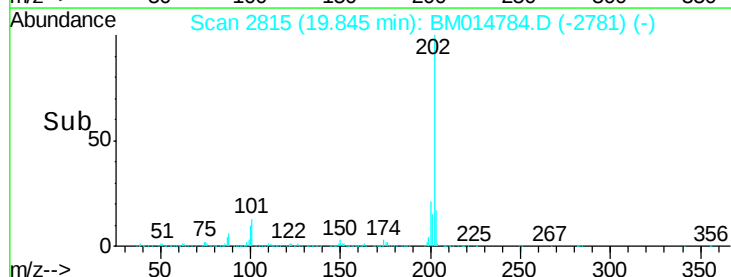
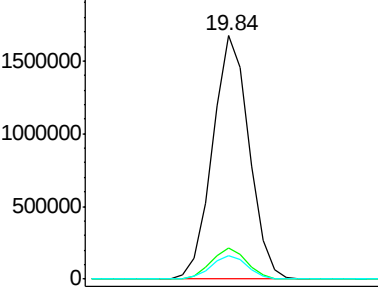


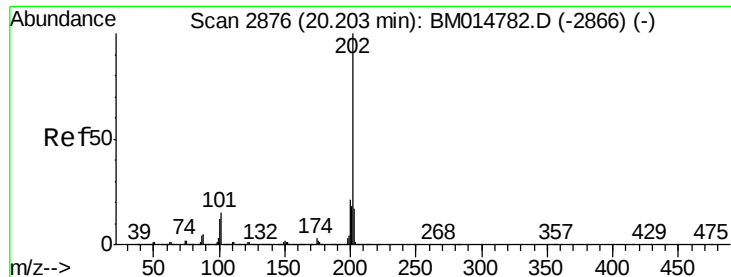
#74
Fluoranthene
Concen: 21.420 ng/ul
RT: 19.84 min Scan# 2815
Delta R.T. 0.00 min
Lab File: BM014784.D
Acq: 23 Apr 2018 20:01

Tgt Ion:202 Resp: 2163249
Ion Ratio Lower Upper
202 100
101 12.8 4.6 7.0#
100 9.6 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: 12.424 ng/ul

RT: 20.20 min Scan# 2876

Delta R.T. 0.00 min

Lab File: BM014784.D

Acq: 23 Apr 2018 20:01

Instrument :

BNA_M

ClientSampleId :

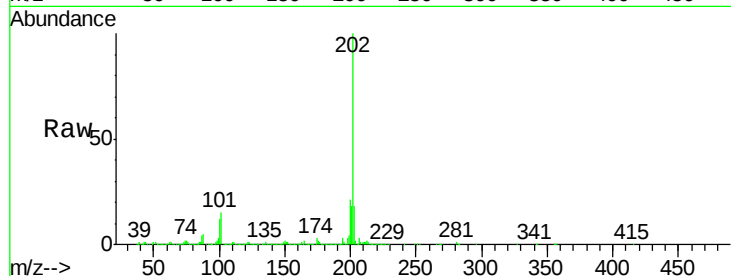
Tot Ion:202 Resp: 1255117

Ion Ratio Lower Upper

202 100

101 14.8 5.1 7.7#

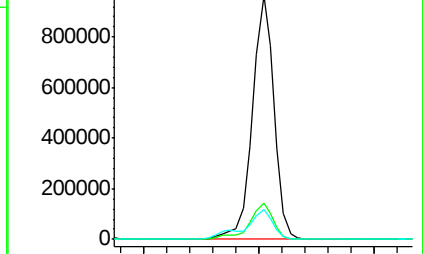
100 12.1 4.9 7.3#



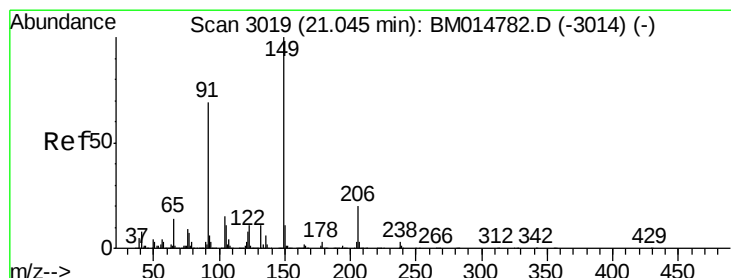
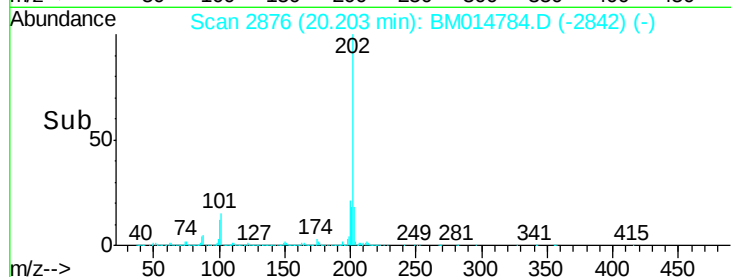
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->



#78

Butylbenzylphthalate

Concen: 1.441 ng/ul

RT: 21.04 min Scan# 3018

Delta R.T. -0.01 min

Lab File: BM014784.D

Acq: 23 Apr 2018 20:01

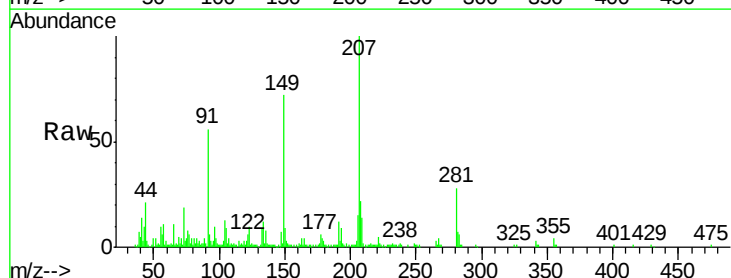
Tgt Ion:149 Resp: 59380

Ion Ratio Lower Upper

149 100

91 78.0 62.7 94.1

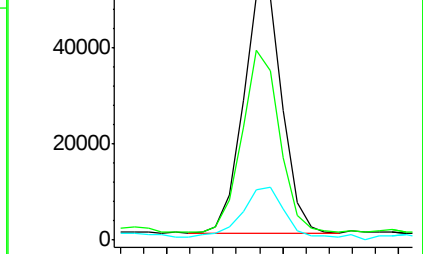
206 20.5 20.8 31.2#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E



Time-->

