

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100319\
 Data File : BM022938.D
 Acq On : 04 Oct 2019 02:26
 Operator : JU
 Sample : K4988-07MSD
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 04 04:35:45 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 04 02:36:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.79	152	239085	20.00	ng/ul	0.00
18) Naphthalene-d8	10.59	136	1022778	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.43	164	596080	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.17	188	1046560	20.00	ng/ul	0.00
78) Chrysene-d12	21.34	240	798286	20.00	ng/ul	0.00
86) Perylene-d12	23.61	264	927809	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	15032	2.72	ng/uL	0.00
5) Phenol-d5	6.96	99	303779	14.38	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	176661	15.28	ng/ul	0.00
9) 2-Chlorophenol-d4	7.33	132	257045	15.11	ng/ul	0.00
13) 4-Methylphenol-d8	8.50	113	206940	11.96	ng/ul	0.00
19) Nitrobenzene-d5	8.95	128	127040	16.09	ng/ul	0.00
22) 2-Nitrophenol-d4	9.67	143	136703	15.86	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.21	165	258897	15.09	ng/ul	0.00
29) 4-Chloroaniline-d4	10.72	131	267670	12.84	ng/ul	0.00
44) Dimethylphthalate-d6	13.84	166	777397	16.80	ng/ul	0.00
47) Acenaphthylene-d8	14.12	160	906609	16.97	ng/ul	0.00
52) 4-Nitrophenol-d4	14.63	143	85344	9.34	ng/ul	0.00
58) Fluorene-d10	15.42	176	642814	16.30	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.54	200	59937	8.80	ng/ul	0.00
71) Anthracene-d10	17.27	188	865618	16.94	ng/ul	0.00
79) Pyrene-d10	19.56	212	854225	19.88	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.46	264	858378	17.88	ng/ul	0.00

Target Compounds

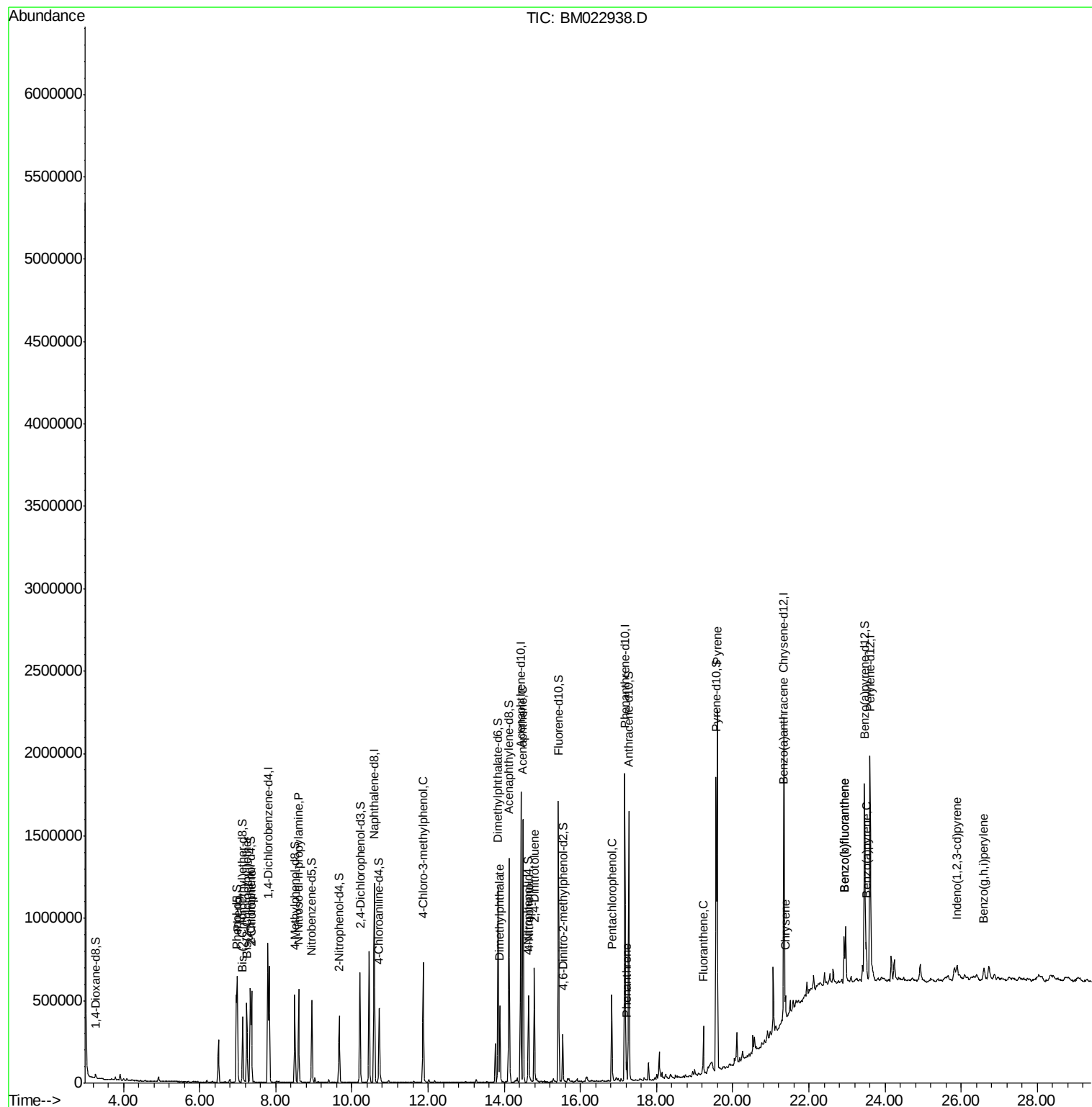
					Ovalue	
6) Phenol	6.99	94	355605	16.058	ng/ul	99
8) Bis(2-Chloroethyl)ether	7.24	93	179195	10.699	ng/ul#	24
10) 2-Chlorophenol	7.36	128	258281	14.154	ng/ul	98
15) N-Nitroso-di-n-propylamine	8.60	70	199581	14.697	ng/ul	99
33) 4-Chloro-3-methylphenol	11.87	107	247286	13.828	ng/ul	99
45) Dimethylphthalate	13.89	163	293161	6.169	ng/ul	100
50) Acenaphthene	14.50	153	664921	16.554	ng/ul	100
53) 4-Nitrophenol	14.64	109	67410	10.091	ng/ul	99
55) 2,4-Dinitrotoluene	14.79	165	200561	14.346	ng/ul	98
69) Pentachlorophenol	16.83	266	96102	10.523	ng/ul	97
70) Phenanthrene	17.21	178	66458	1.064	ng/ul	100
77) Fluoranthene	19.23	202	168951	2.405	ng/ul	99
80) Pyrene	19.59	202	1257341	22.219	ng/ul	99
83) Benzo(a)anthracene	21.33	228	78355	1.367	ng/ul	98
85) Chrysene	21.39	228	85082	1.610	ng/ul	98
88) Benzo(b)fluoranthene	22.93	252	137903	2.240	ng/ul#	95
89) Benzo(k)fluoranthene	22.93	252	137903	2.341	ng/ul#	94
91) Benzo(a)pyrene	23.51	252	106731	1.848	ng/ul#	94
92) Indeno(1,2,3-cd)pyrene	25.90	276	85187	1.388	ng/ul#	94
94) Benzo(g,h,i)perylene	26.60	276	87572	1.769	ng/ul	99

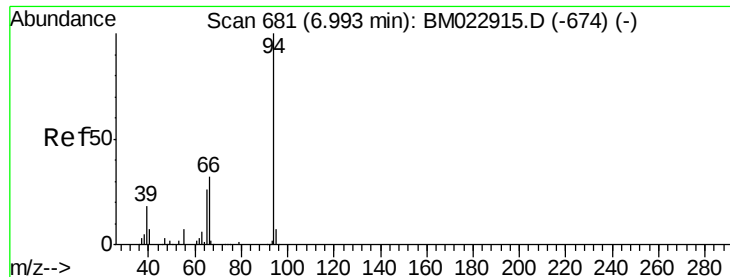
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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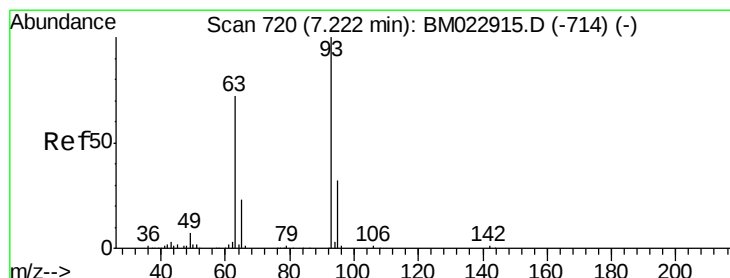
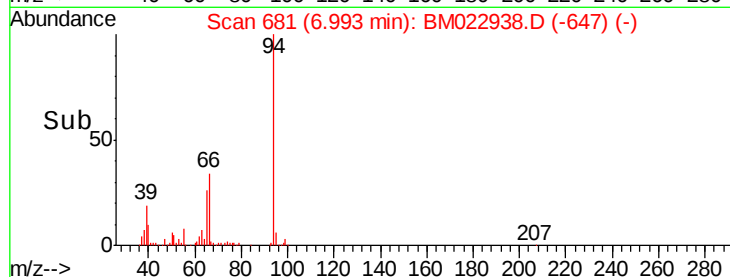
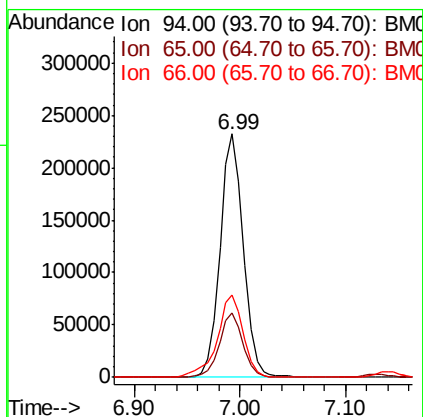
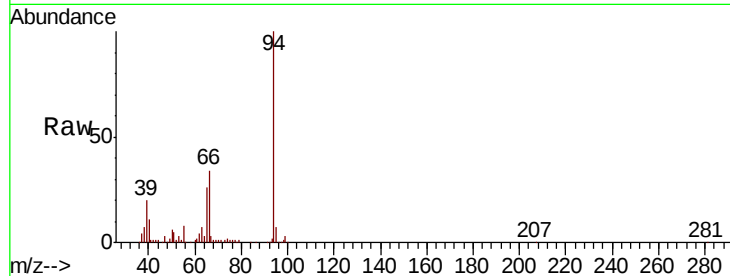
#6

Phenol

Concen: 16.058 ng/ul
 RT: 6.99 min Scan# 681
 Delta R.T. -0.00 min
 Lab File: BM022938.D
 Acq: 04 Oct 2019 02:26

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion: 94 Resp: 355605
 Ion Ratio Lower Upper
 94 100
 65 26.2 20.9 31.3
 66 33.6 27.2 40.8

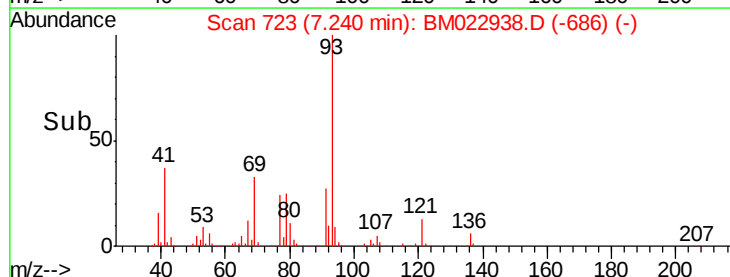
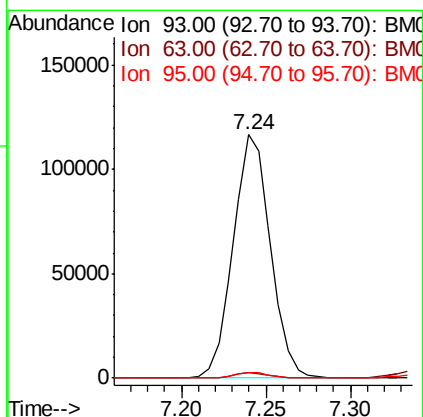
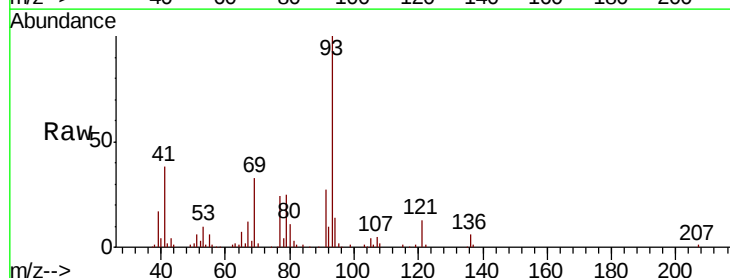


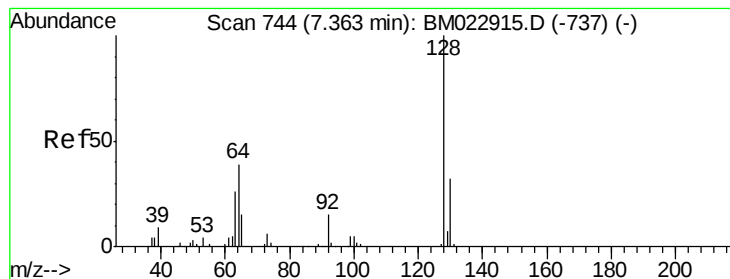
#8

Bis(2-Chloroethyl)ether

Concen: 10.699 ng/ul
 RT: 7.24 min Scan# 723
 Delta R.T. 0.02 min
 Lab File: BM022938.D
 Acq: 04 Oct 2019 02:26

Tgt Ion: 93 Resp: 179195
 Ion Ratio Lower Upper
 93 100
 63 2.0 59.1 88.7#
 95 2.2 26.3 39.5#





#10

2-Chlorophenol

Concen: 14.154 ng/ul

RT: 7.36 min Scan# 744

Delta R.T. -0.00 min

Lab File: BM022938.D

Acq: 04 Oct 2019 02:26

Instrument :

BNA_M

ClientSampleId :

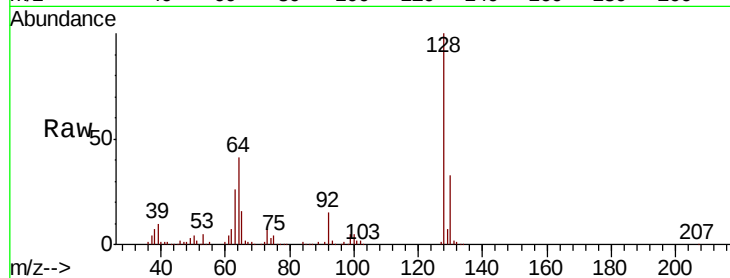
Tot Ion:128 Resp: 258281

Ion Ratio Lower Upper

128 100

64 40.8 34.1 51.1

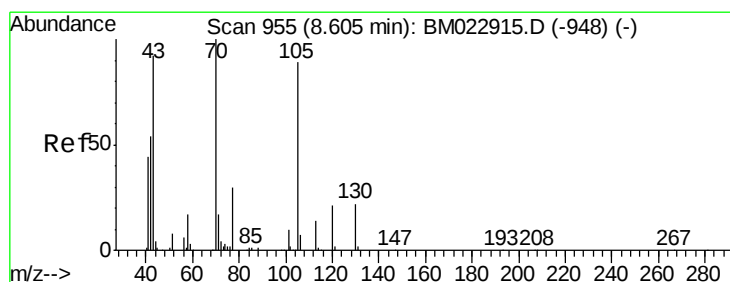
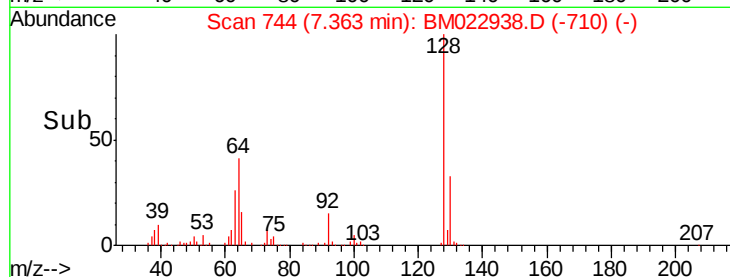
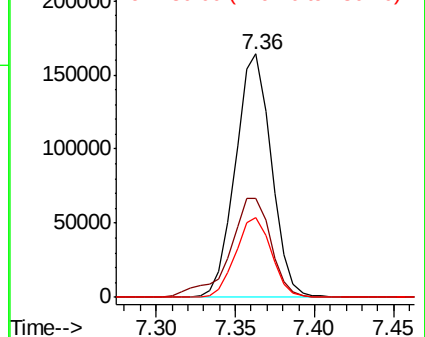
130 32.9 26.0 39.0



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 130.00 (129.70 to 130.70): E



#15

N-Nitroso-di-n-propylamine

Concen: 14.697 ng/ul

RT: 8.60 min Scan# 954

Delta R.T. -0.01 min

Lab File: BM022938.D

Acq: 04 Oct 2019 02:26

Tgt Ion: 70 Resp: 199581

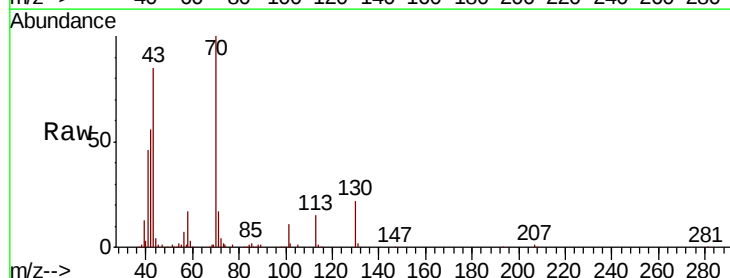
Ion Ratio Lower Upper

70 100

42 55.6 44.6 66.8

101 10.5 8.2 12.2

130 22.1 18.7 28.1

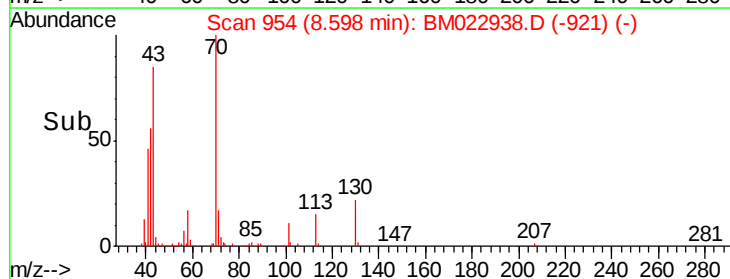
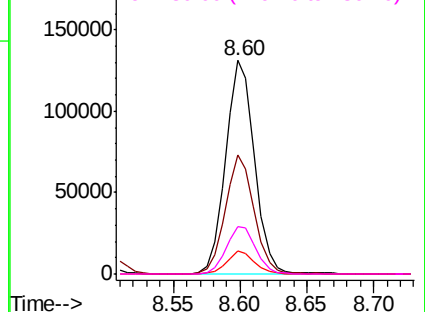


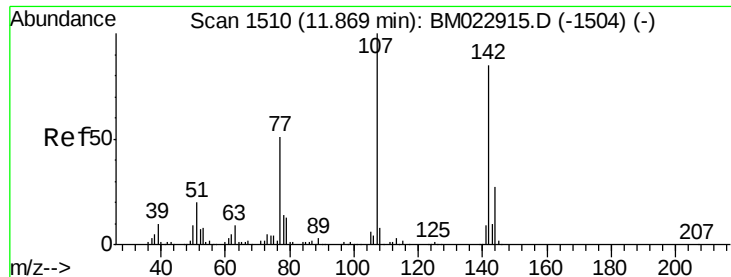
Abundance Ion 70.00 (69.70 to 70.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

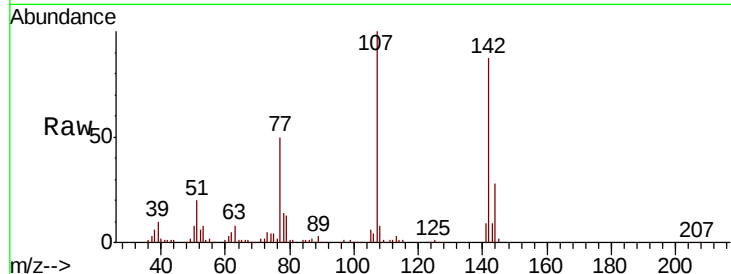




#33
 4-Chloro-3-methylphenol
 Concen: 13.828 ng/ul
 RT: 11.87 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: BM022938.D
 Acq: 04 Oct 2019 02:26

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
107	100		
144	28.4	22.5	33.7
142	86.6	68.9	103.3

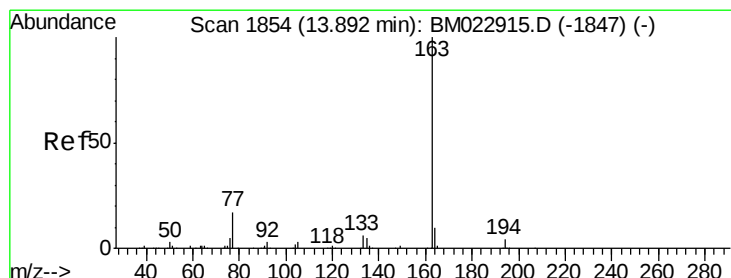
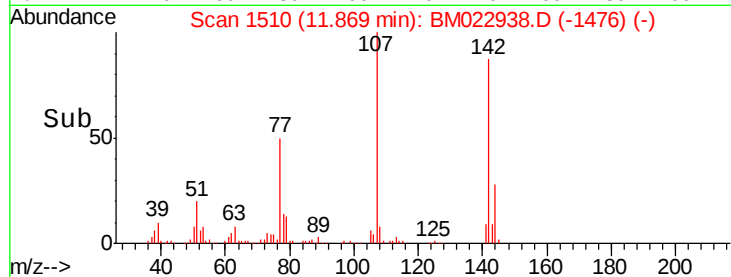
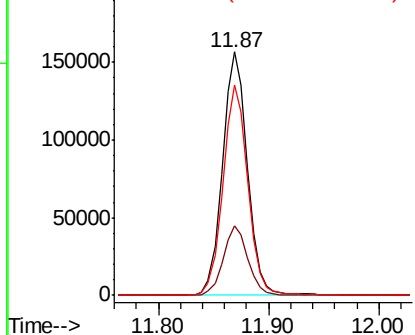


Abundance

Ion 107.00 (106.70 to 107.70): E

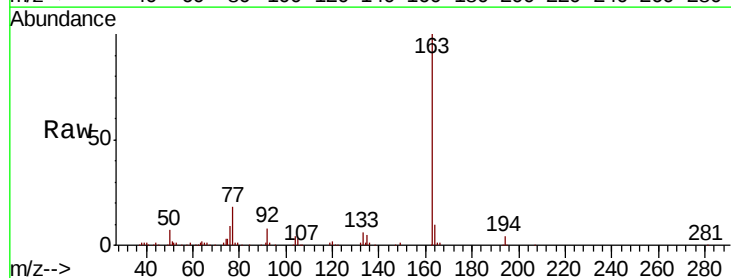
Ion 144.00 (143.70 to 144.70): E

Ion 142.00 (141.70 to 142.70): E



#45
 Dimethylphthalate
 Concen: 6.169 ng/ul
 RT: 13.89 min Scan# 1853
 Delta R.T. -0.01 min
 Lab File: BM022938.D
 Acq: 04 Oct 2019 02:26

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.4	5.0
164	10.0	8.1	12.1

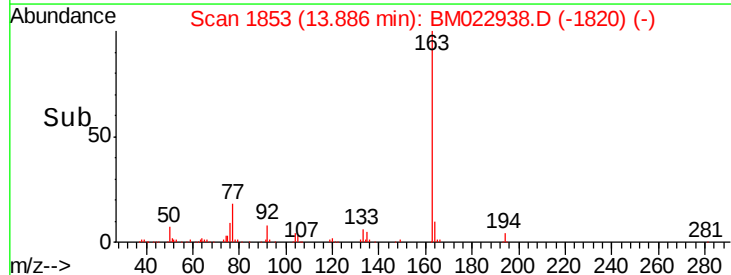
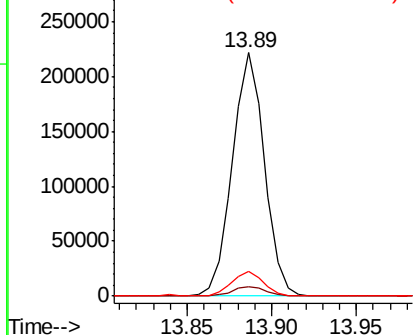


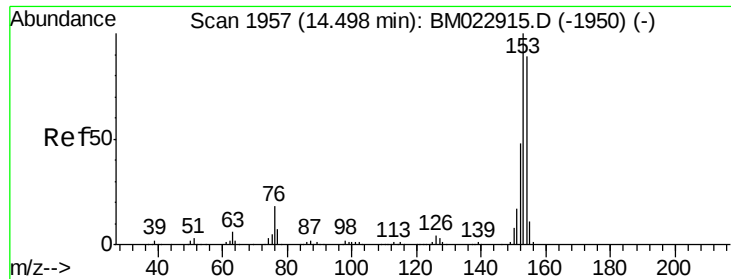
Abundance

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





#50

Acenaphthene

Concen: 16.554 ng/ul

RT: 14.50 min Scan# 1957

Delta R.T. -0.00 min

Lab File: BM022938.D

Acq: 04 Oct 2019 02:26

Instrument :

BNA_M

ClientSampleId :

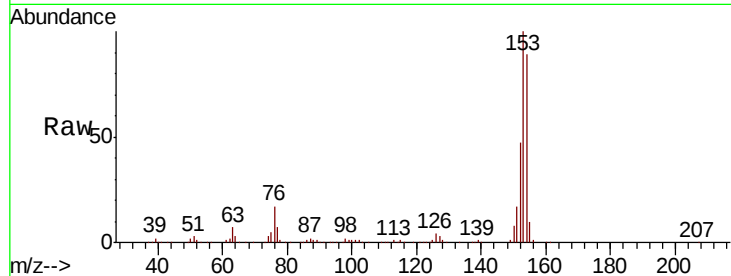
Tot Ion:153 Resp: 664921

Ion Ratio Lower Upper

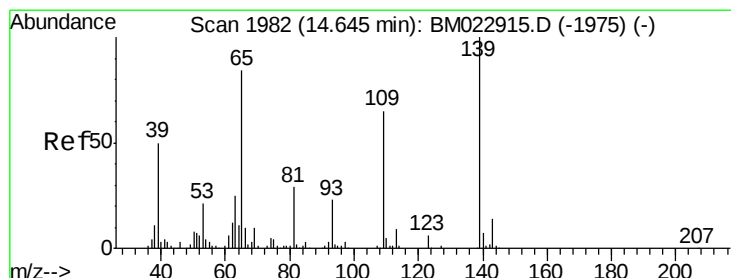
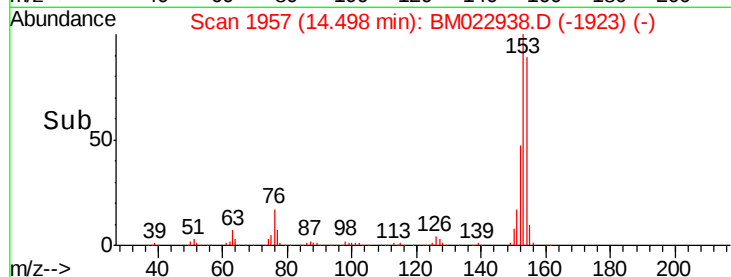
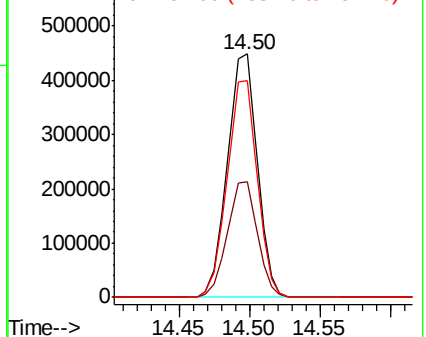
153 100

152 47.5 38.1 57.1

154 89.1 71.1 106.7



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

4-Nitrophenol

Concen: 10.091 ng/ul

RT: 14.64 min Scan# 1982

Delta R.T. -0.00 min

Lab File: BM022938.D

Acq: 04 Oct 2019 02:26

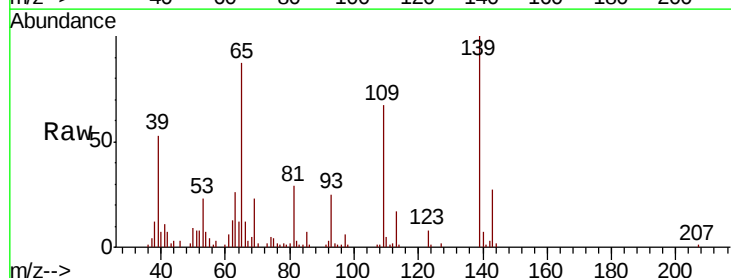
Tgt Ion:109 Resp: 67410

Ion Ratio Lower Upper

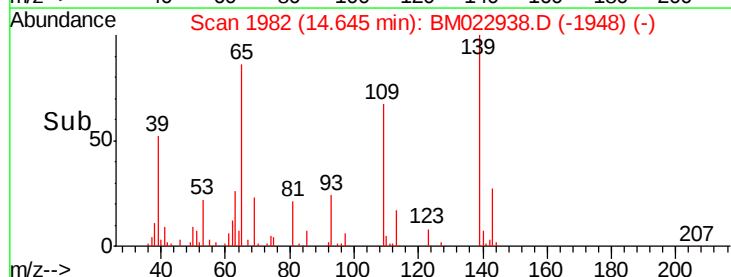
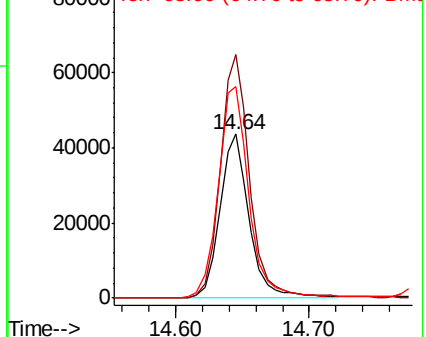
109 100

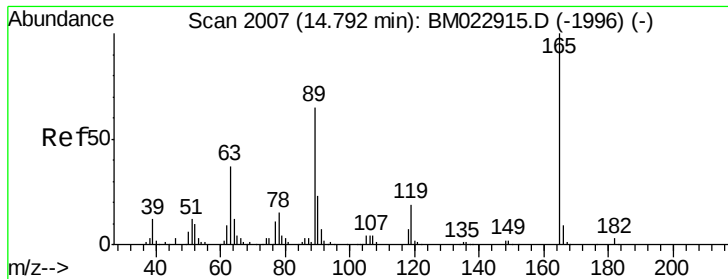
139 148.3 119.5 179.3

65 128.7 105.0 157.4



Abundance Ion 109.00 (108.70 to 109.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 65.00 (64.70 to 65.70): BM

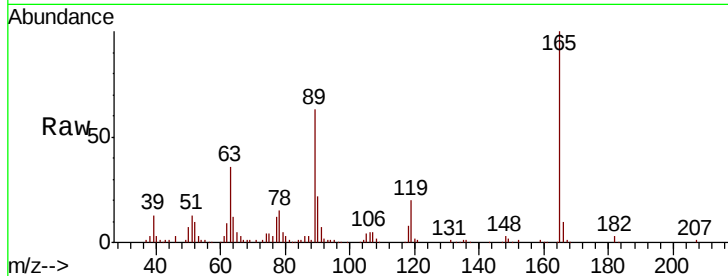




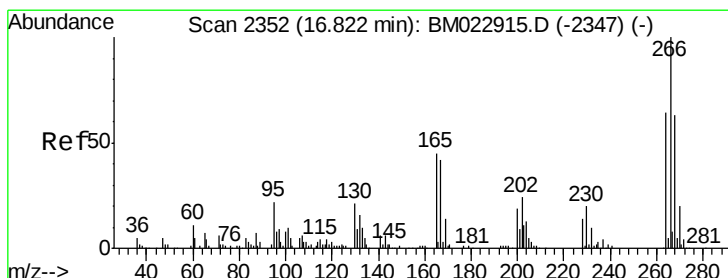
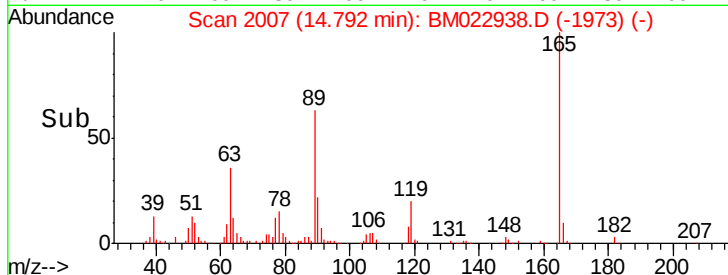
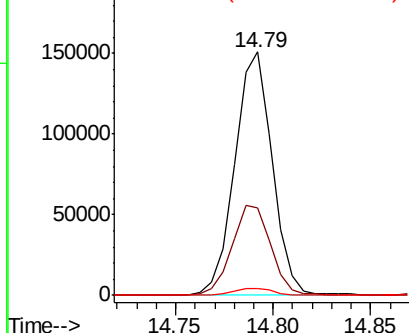
#55
 2,4-Dinitrotoluene
 Concen: 14.346 ng/ul
 RT: 14.79 min Scan# 2007
 Delta R.T. -0.00 min
 Lab File: BM022938.D
 Acq: 04 Oct 2019 02:26

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	36.0	29.8	44.6
182	3.0	2.2	3.4

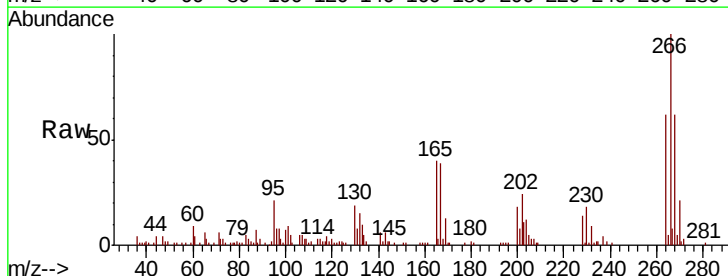


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BM0
 Ion 182.00 (181.70 to 182.70): E

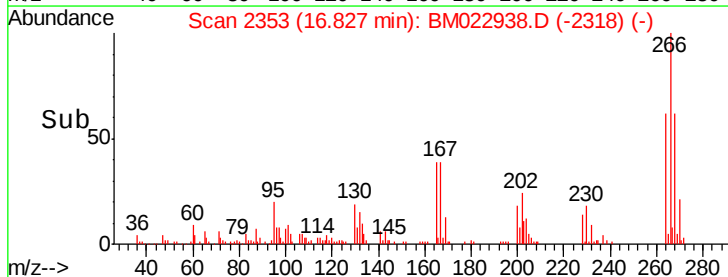
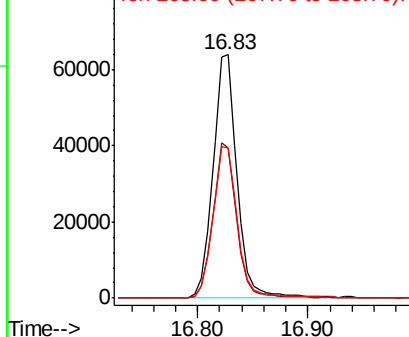


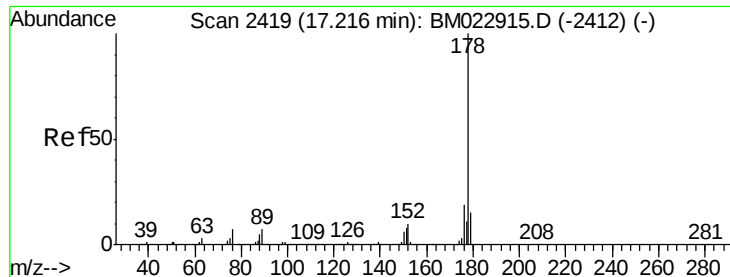
#69
 Pentachlorophenol
 Concen: 10.523 ng/ul
 RT: 16.83 min Scan# 2353
 Delta R.T. 0.01 min
 Lab File: BM022938.D
 Acq: 04 Oct 2019 02:26

Tgt Ion	Ratio	Lower	Upper
266	100		
264	61.7	50.8	76.2
268	61.7	51.4	77.0



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

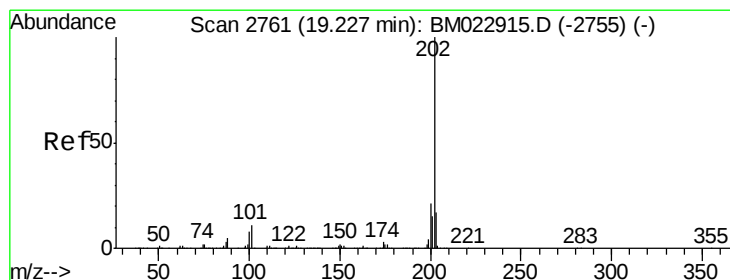
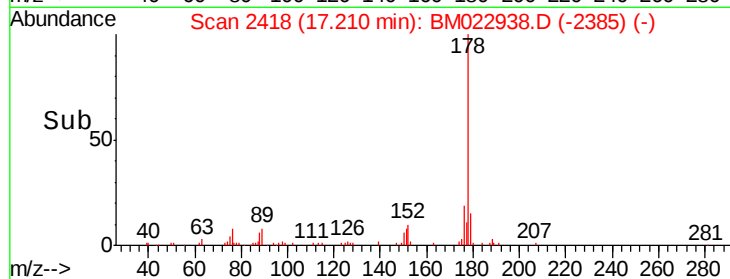
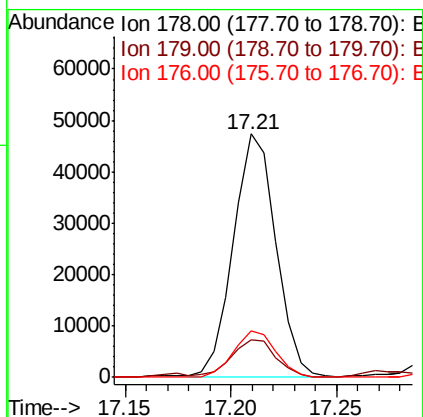
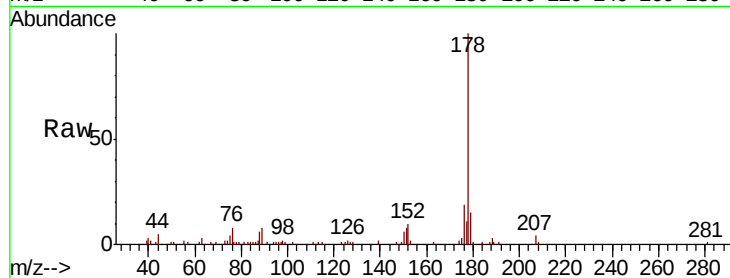




#70
Phenanthrene
Concen: 1.064 ng/ul
RT: 17.21 min Scan# 2418
Delta R.T. -0.01 min
Lab File: BM022938.D
Acq: 04 Oct 2019 02:26

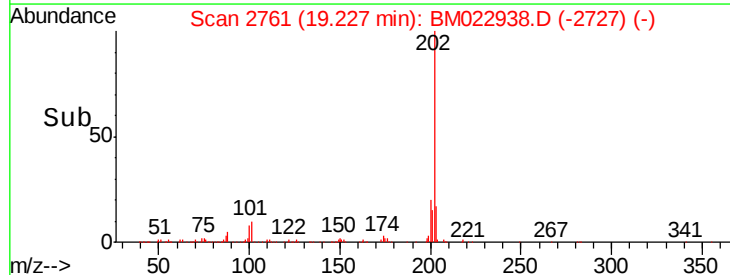
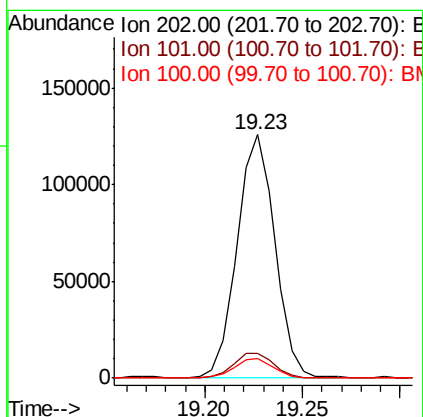
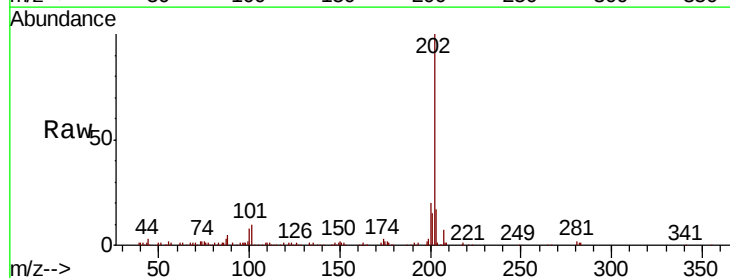
Instrument :
BNA_M
ClientSampleId :

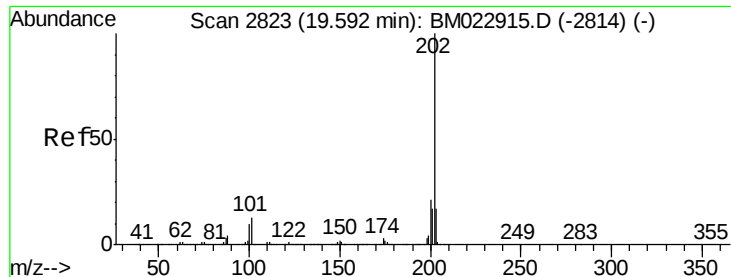
Tot Ion:178 Resp: 66458
Ion Ratio Lower Upper
178 100
179 15.2 12.4 18.6
176 19.0 15.3 22.9



#77
Fluoranthene
Concen: 2.405 ng/ul
RT: 19.23 min Scan# 2761
Delta R.T. -0.00 min
Lab File: BM022938.D
Acq: 04 Oct 2019 02:26

Tgt Ion:202 Resp: 168951
Ion Ratio Lower Upper
202 100
101 10.3 8.6 12.8
100 8.0 6.4 9.6

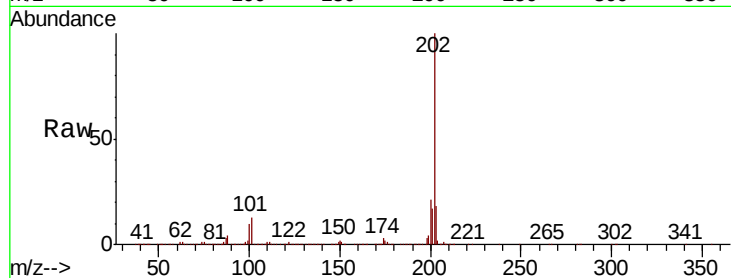




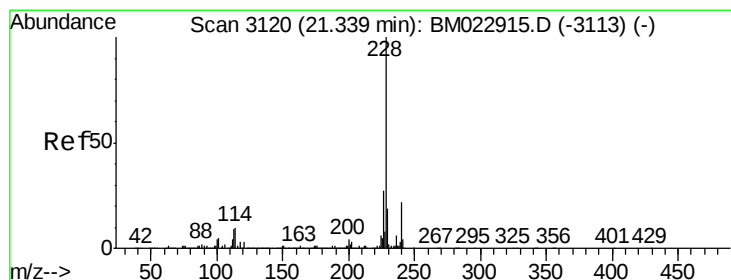
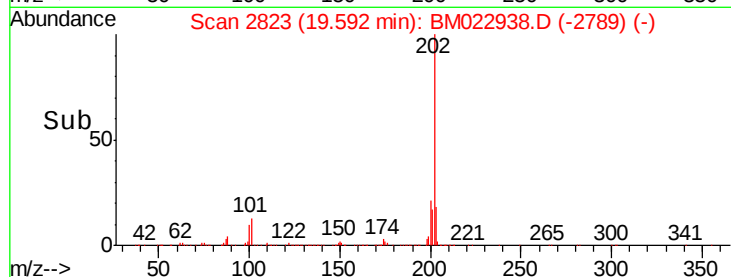
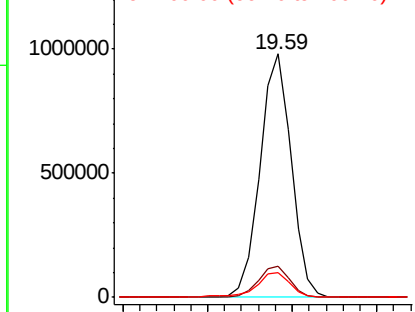
#80
Pvrene
Concen: 22.219 ng/ul
RT: 19.59 min Scan# 2823
Delta R.T. -0.00 min
Lab File: BM022938.D
Acq: 04 Oct 2019 02:26

Instrument :
BNA_M
ClientSampled :

Tot Ion:202 Resp: 1257341
Ion Ratio Lower Upper
202 100
101 12.6 9.7 14.5
100 10.2 7.8 11.8

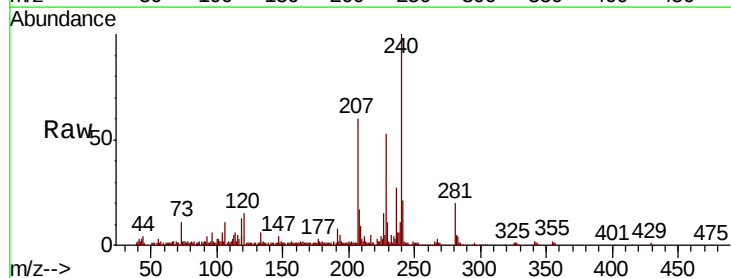


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

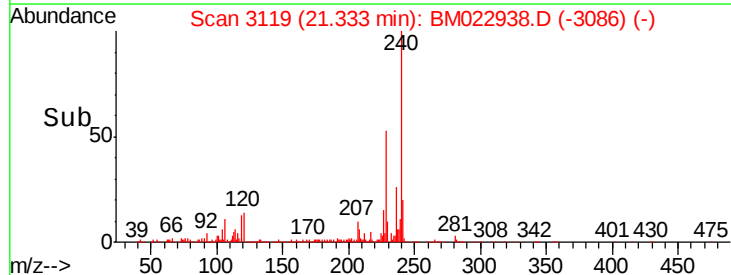
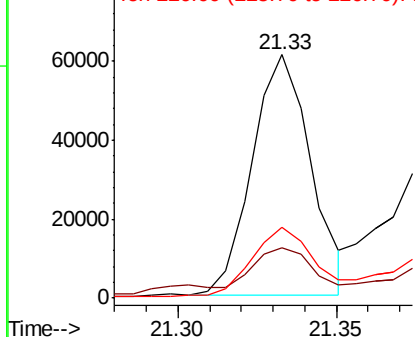


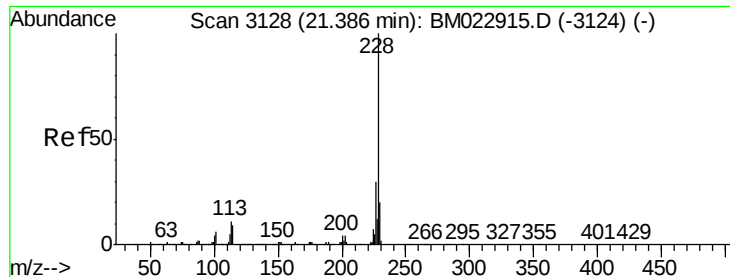
#83
Benzo(a)anthracene
Concen: 1.367 ng/ul
RT: 21.33 min Scan# 3119
Delta R.T. -0.01 min
Lab File: BM022938.D
Acq: 04 Oct 2019 02:26

Tgt Ion:228 Resp: 78355
Ion Ratio Lower Upper
228 100
229 20.9 15.8 23.8
226 28.9 22.4 33.6



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

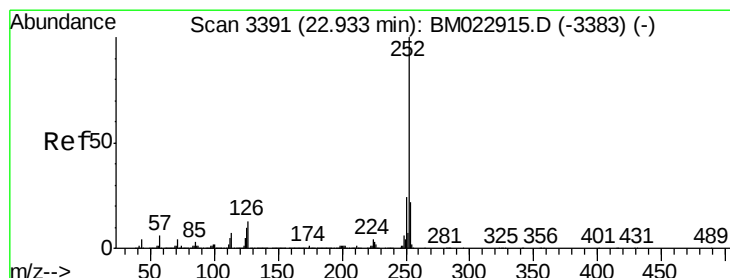
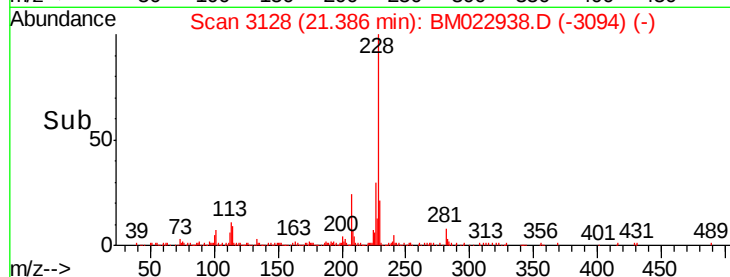
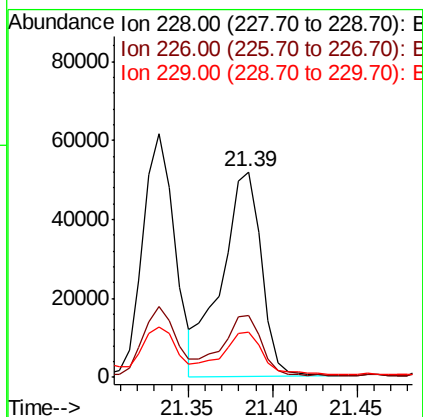
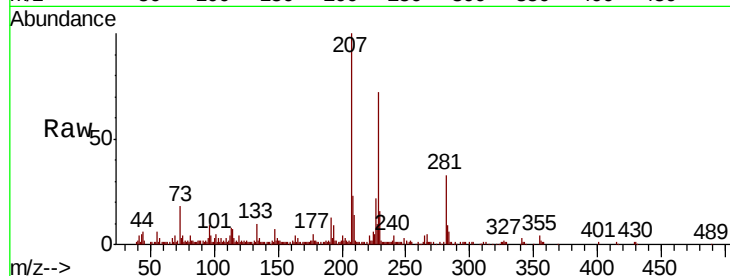




#85
Chrysene
Concen: 1.610 ng/ul
RT: 21.39 min Scan# 3128
Delta R.T. -0.00 min
Lab File: BM022938.D
Acq: 04 Oct 2019 02:26

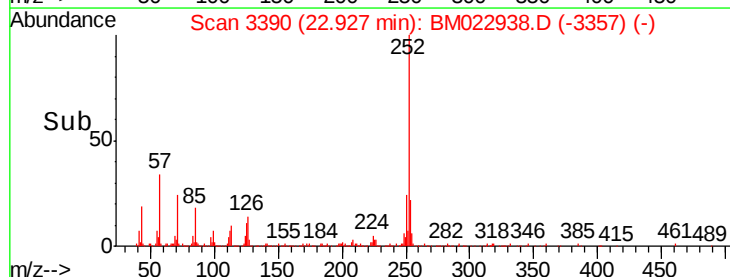
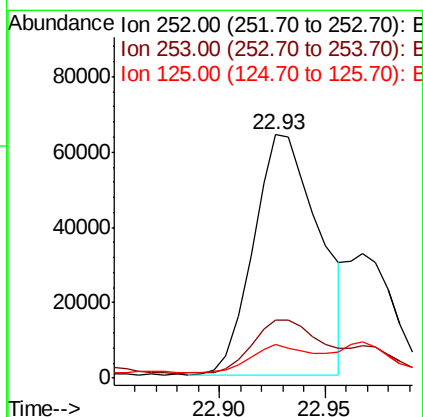
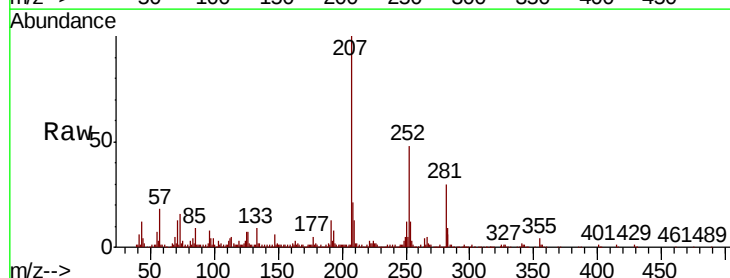
Instrument :
BNA_M
ClientSampleId :

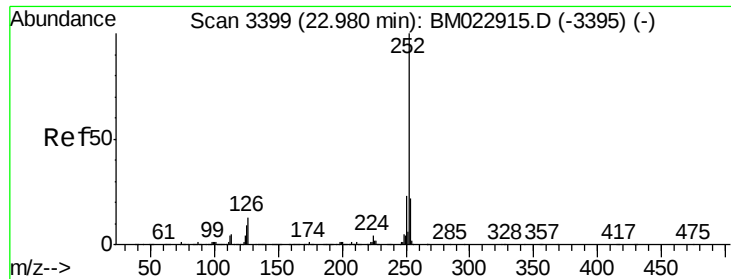
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.2	36.4
229	22.0	15.9	23.9



#88
Benzo(b)fluoranthene
Concen: 2.240 ng/ul
RT: 22.93 min Scan# 3390
Delta R.T. -0.01 min
Lab File: BM022938.D
Acq: 04 Oct 2019 02:26

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.7	26.5
125	13.6	8.2	12.2#





#89

Benzo(k)fluoranthene

Concen: 2.341 ng/ul

RT: 22.93 min Scan# 3390

Delta R.T. -0.05 min

Lab File: BM022938.D

Acq: 04 Oct 2019 02:26

Instrument :

BNA_M

ClientSampleId :

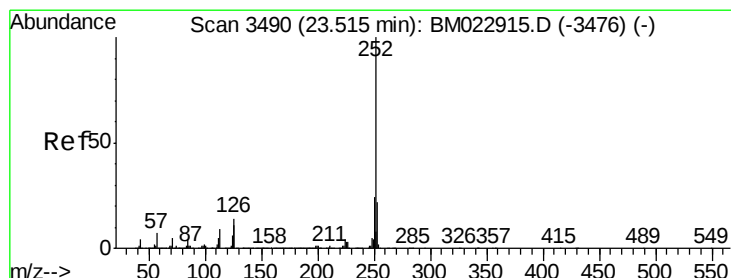
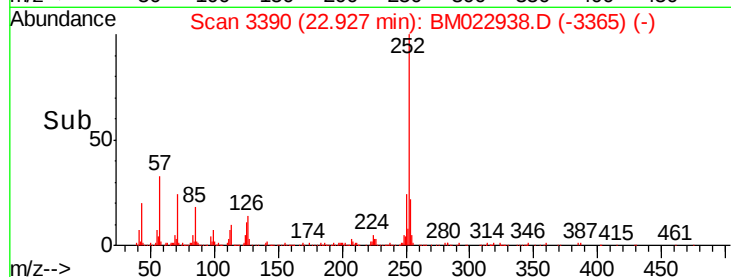
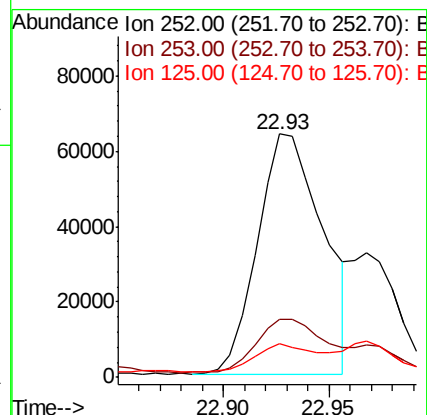
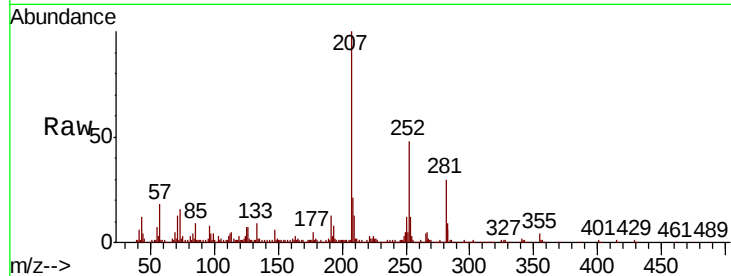
Tot Ion:252 Resp: 137903

Ion Ratio Lower Upper

252 100

253 23.8 17.5 26.3

125 13.6 7.9 11.9#



#91

Benzo(a)pyrene

Concen: 1.848 ng/ul

RT: 23.51 min Scan# 3489

Delta R.T. -0.01 min

Lab File: BM022938.D

Acq: 04 Oct 2019 02:26

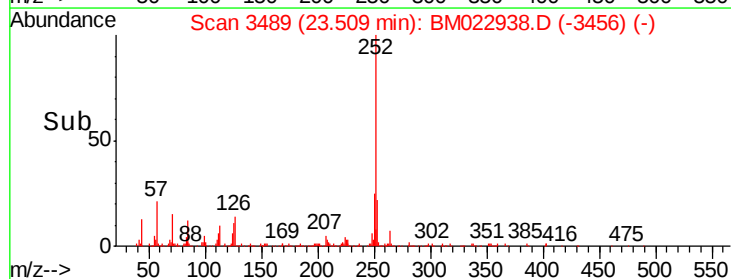
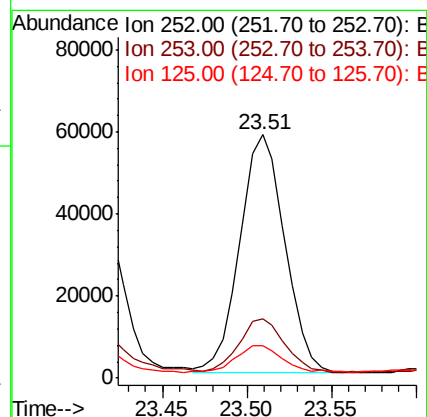
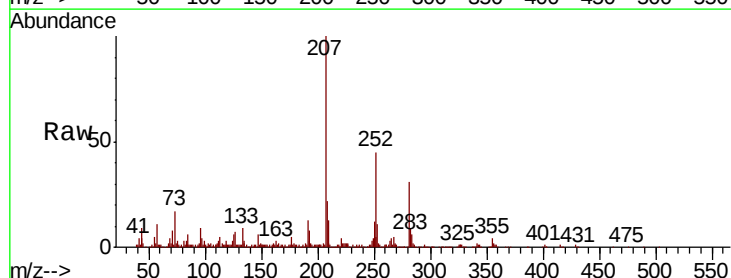
Tgt Ion:252 Resp: 106731

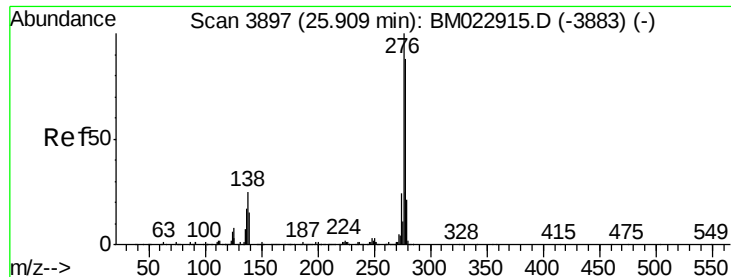
Ion Ratio Lower Upper

252 100

253 24.6 17.6 26.4

125 13.4 8.7 13.1#



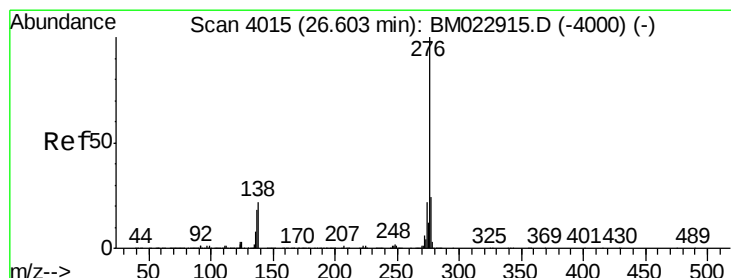
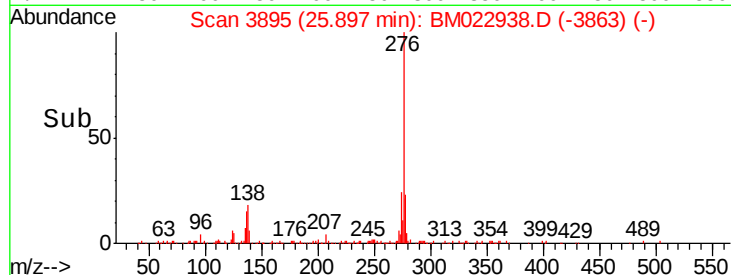
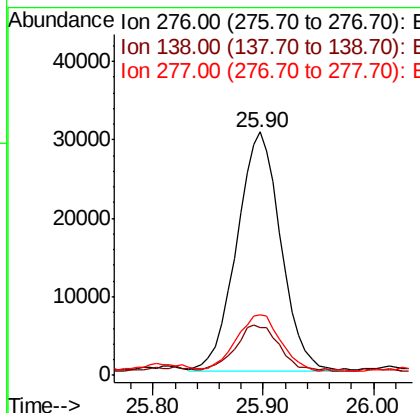
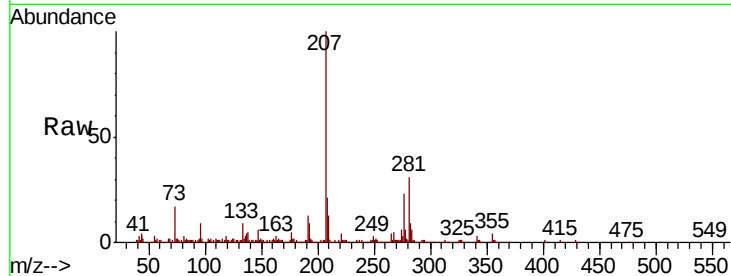


#92

Indeno(1,2,3-cd)pyrene
Concen: 1.388 ng/ul
RT: 25.90 min Scan# 3895
Delta R.T. -0.01 min
Lab File: BM022938.D
Acq: 04 Oct 2019 02:26

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.8	19.8	29.8#
277	24.8	20.3	30.5



#94

Benzo(g,h,i)perylene
Concen: 1.769 ng/ul
RT: 26.60 min Scan# 4015
Delta R.T. -0.00 min
Lab File: BM022938.D
Acq: 04 Oct 2019 02:26

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.4	17.6	26.4
277	24.0	19.1	28.7

