

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100319\
 Data File : BM022937.D
 Acq On : 04 Oct 2019 01:50
 Operator : JU
 Sample : K4988-06MS
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 04 04:35:32 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	241659	20.00	ng/ul	0.00
18) Naphthalene-d8	10.59	136	1063323	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.43	164	627801	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.17	188	1083393	20.00	ng/ul	0.00
78) Chrysene-d12	21.34	240	767765	20.00	ng/ul	0.00
86) Perylene-d12	23.61	264	907296	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.27	96	16608	2.97	ng/uL	0.00
5) Phenol-d5	6.96	99	342842	16.06	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.13	67	195659	16.74	ng/ul	0.00
9) 2-Chlorophenol-d4	7.33	132	287542	16.72	ng/ul	0.00
13) 4-Methylphenol-d8	8.50	113	212126	12.13	ng/ul	0.00
19) Nitrobenzene-d5	8.95	128	142627	17.38	ng/ul	0.00
22) 2-Nitrophenol-d4	9.67	143	156552	17.47	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.21	165	297360	16.67	ng/ul	0.00
29) 4-Chloroaniline-d4	10.72	131	283148	13.06	ng/ul	0.00
44) Dimethylphthalate-d6	13.84	166	896734	18.40	ng/ul	0.00
47) Acenaphthylene-d8	14.12	160	1031937	18.34	ng/ul	0.00
52) 4-Nitrophenol-d4	14.63	143	94199	9.78	ng/ul	0.00
58) Fluorene-d10	15.42	176	733886	17.67	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.54	200	68647	9.74	ng/ul	0.00
71) Anthracene-d10	17.27	188	973950	18.41	ng/ul	0.00
79) Pyrene-d10	19.56	212	932711	22.57	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.46	264	909606	19.38	ng/ul	0.00

Target Compounds

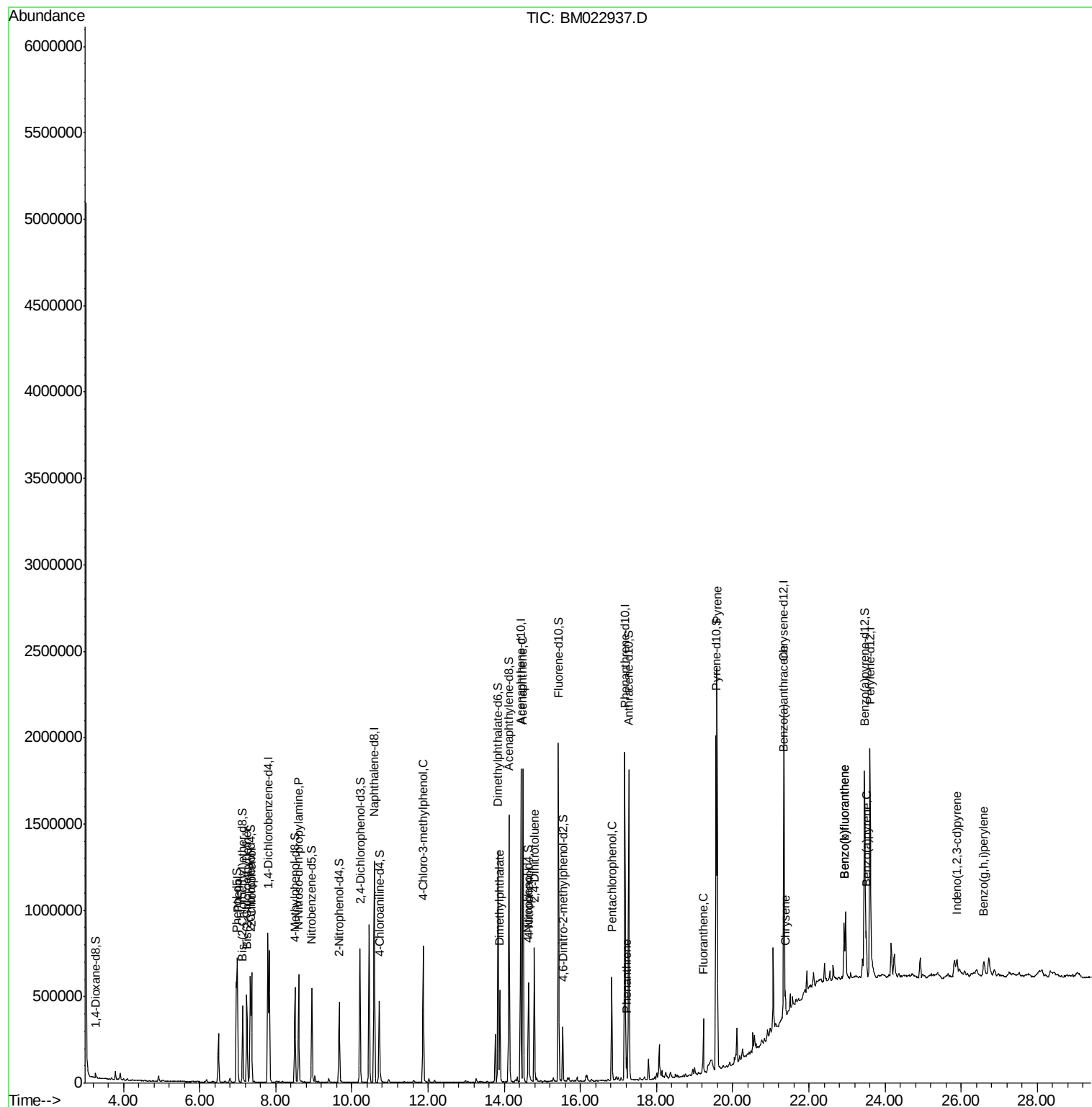
					Ovalue
6) Phenol	6.99	94	399545	17.850	ng/ul 100
8) Bis(2-Chloroethyl)ether	7.25	93	197064	11.641	ng/ul# 24
10) 2-Chlorophenol	7.36	128	287541	15.590	ng/ul 99
15) N-Nitroso-di-n-propylamine	8.60	70	225407	16.422	ng/ul 98
33) 4-Chloro-3-methylphenol	11.87	107	269657	14.504	ng/ul 100
45) Dimethylphthalate	13.89	163	339920	6.791	ng/ul 100
50) Acenaphthene	14.50	153	756504	17.882	ng/ul 99
53) 4-Nitrophenol	14.64	109	73261	10.412	ng/ul 95
55) 2,4-Dinitrotoluene	14.79	165	229033	15.555	ng/ul 98
69) Pentachlorophenol	16.82	266	106169	11.230	ng/ul 99
70) Phenanthrene	17.21	178	73141	1.131	ng/ul 99
77) Fluoranthene	19.23	202	184292	2.534	ng/ul 99
80) Pyrene	19.59	202	1361918	25.024	ng/ul 100
83) Benzo(a)anthracene	21.33	228	86283	1.565	ng/ul 99
85) Chrysene	21.38	228	89417	1.759	ng/ul 97
88) Benzo(b)fluoranthene	22.93	252	148483	2.466	ng/ul# 94
89) Benzo(k)fluoranthene	22.93	252	148483	2.578	ng/ul# 94
91) Benzo(a)pyrene	23.51	252	114829	2.033	ng/ul 97
92) Indeno(1,2,3-cd)pyrene	25.90	276	91143	1.519	ng/ul 94
94) Benzo(g,h,i)perylene	26.60	276	93879	1.939	ng/ul 99

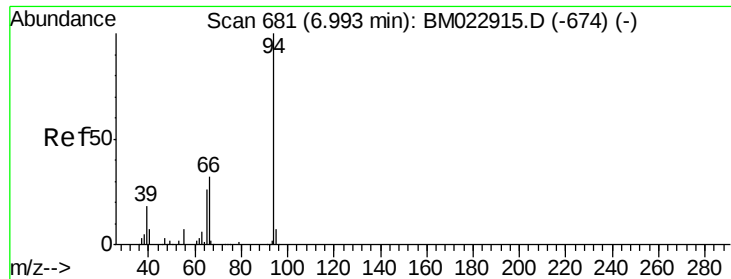
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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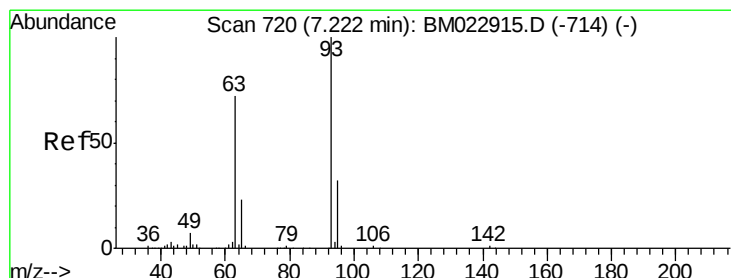
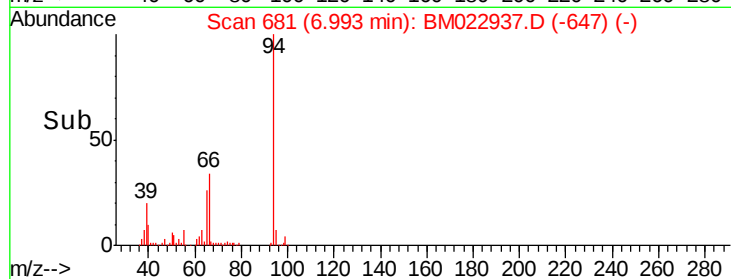
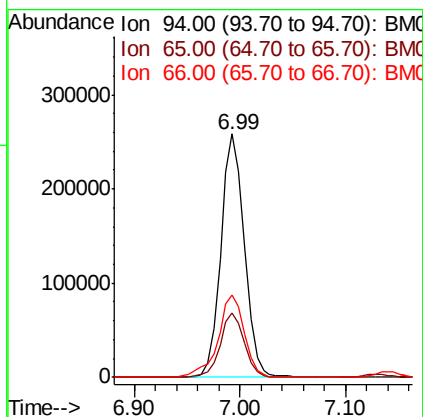
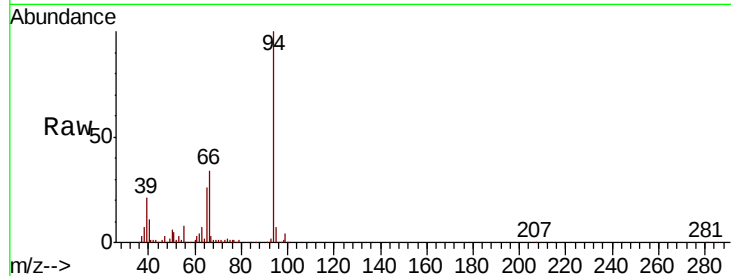
#6

Phenol

Concen: 17.850 ng/ul
 RT: 6.99 min Scan# 681
 Delta R.T. -0.00 min
 Lab File: BM022937.D
 Acq: 04 Oct 2019 01:50

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion: 94 Resp: 399545
 Ion Ratio Lower Upper
 94 100
 65 26.4 20.9 31.3
 66 33.9 27.2 40.8

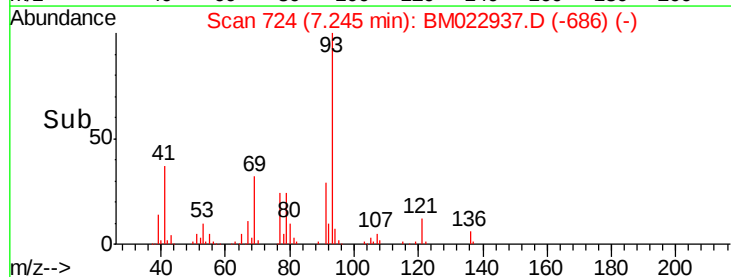
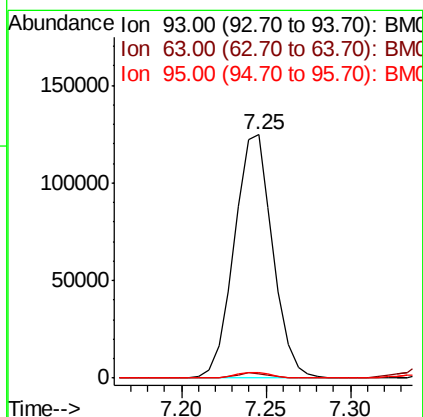
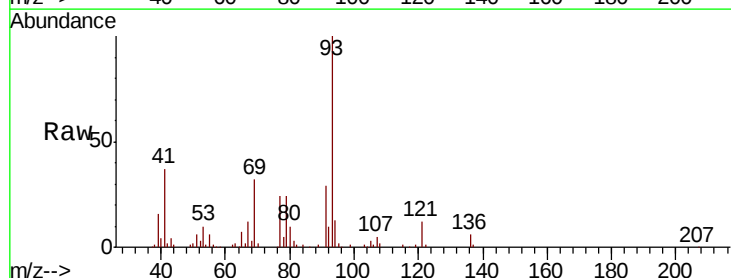


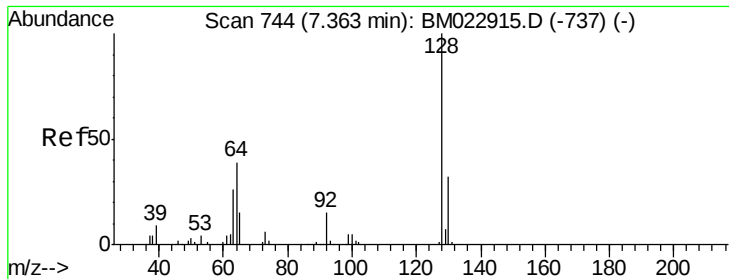
#8

Bis(2-Chloroethyl)ether

Concen: 11.641 ng/ul
 RT: 7.25 min Scan# 724
 Delta R.T. 0.02 min
 Lab File: BM022937.D
 Acq: 04 Oct 2019 01:50

Tgt Ion: 93 Resp: 197064
 Ion Ratio Lower Upper
 93 100
 63 1.8 59.1 88.7#
 95 2.2 26.3 39.5#

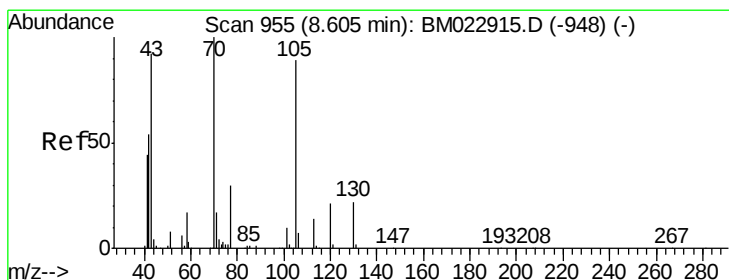
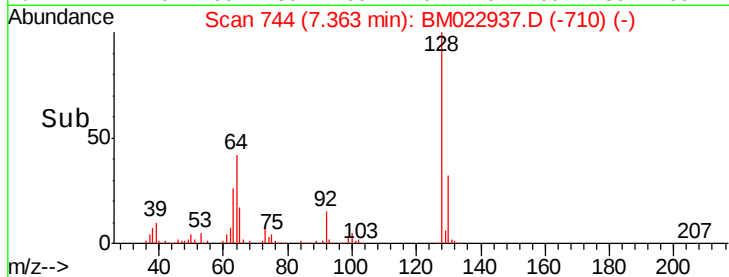
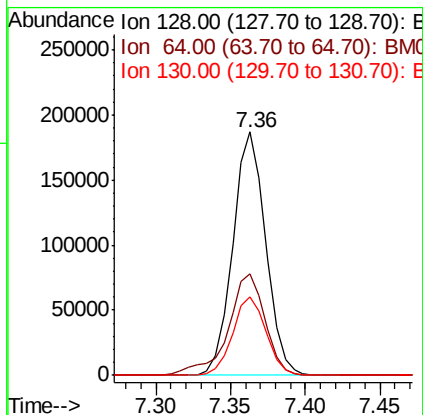
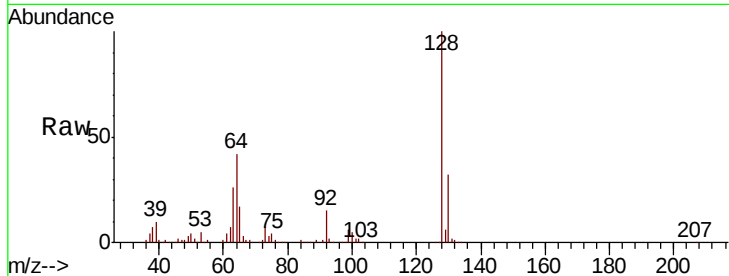




#10
 2-Chlorophenol
 Concen: 15.590 ng/ul
 RT: 7.36 min Scan# 744
 Delta R.T. -0.00 min
 Lab File: BM022937.D
 Acq: 04 Oct 2019 01:50

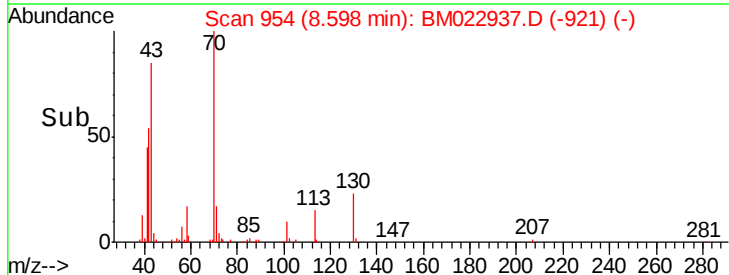
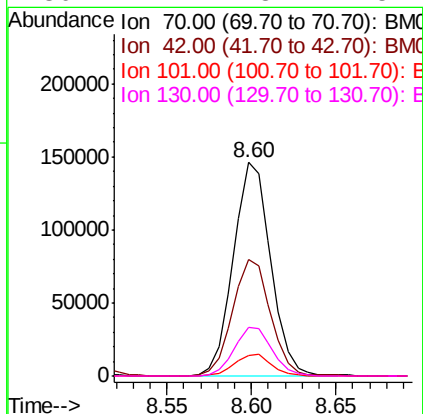
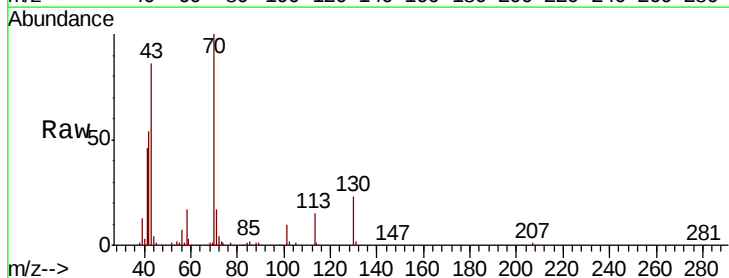
Instrument :
 BNA_M
 ClientSampleId :

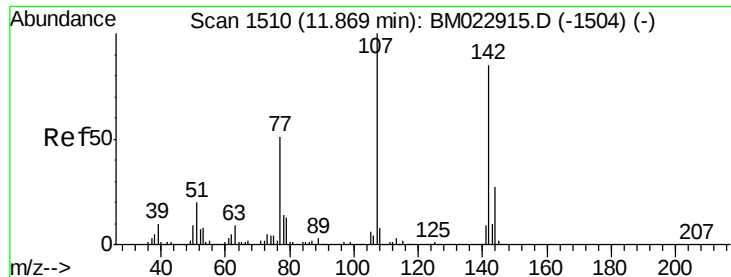
Tot Ion:128 Resp: 287541
 Ion Ratio Lower Upper
 128 100
 64 41.6 34.1 51.1
 130 32.1 26.0 39.0



#15
 N-Nitroso-di-n-propylamine
 Concen: 16.422 ng/ul
 RT: 8.60 min Scan# 954
 Delta R.T. -0.01 min
 Lab File: BM022937.D
 Acq: 04 Oct 2019 01:50

Tgt Ion: 70 Resp: 225407
 Ion Ratio Lower Upper
 70 100
 42 54.4 44.6 66.8
 101 9.9 8.2 12.2
 130 22.7 18.7 28.1

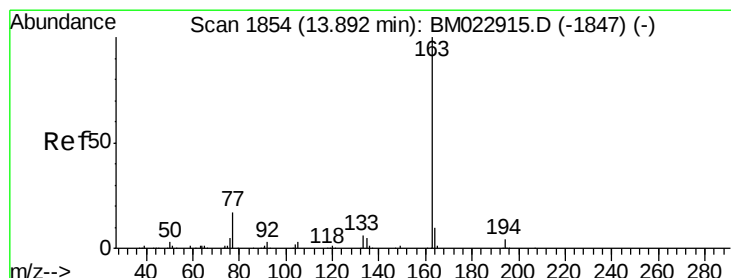
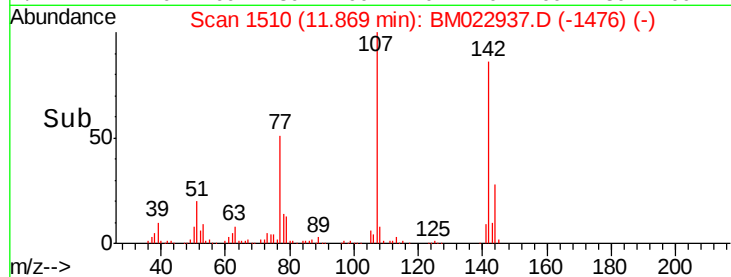
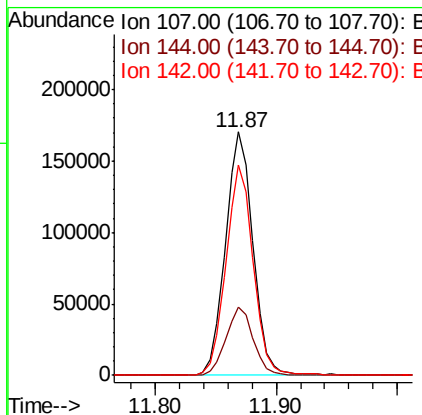
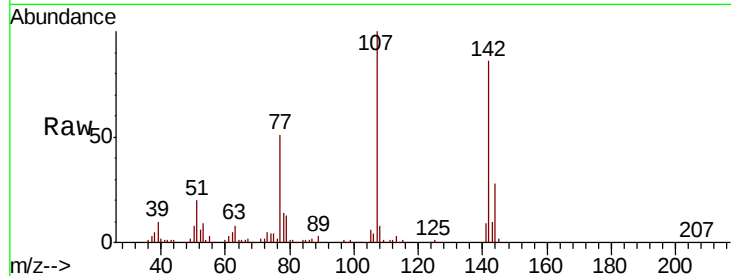




#33
 4-Chloro-3-methylphenol
 Concen: 14.504 ng/ul
 RT: 11.87 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: BM022937.D
 Acq: 04 Oct 2019 01:50

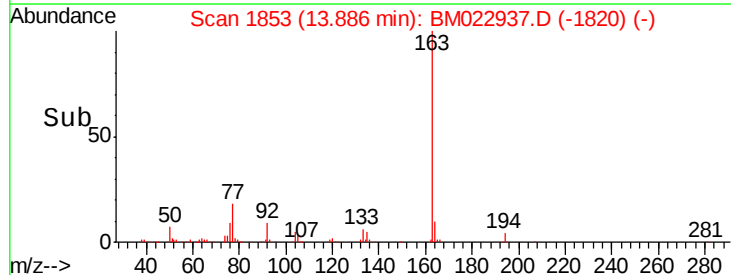
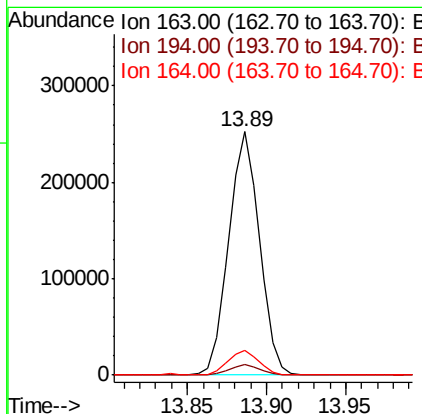
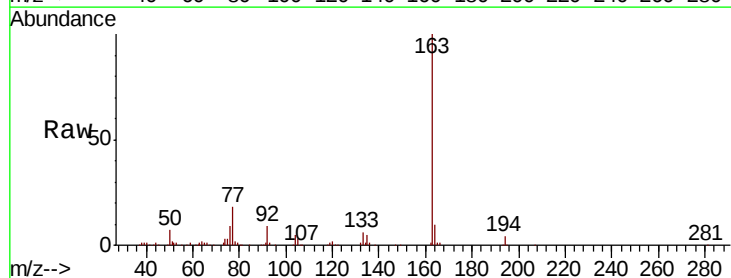
Instrument :
 BNA_M
 ClientSampleId :

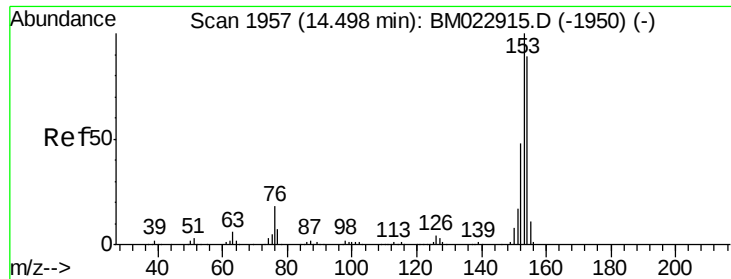
Tot Ion	Ratio	Lower	Upper
107	100		
144	28.0	22.5	33.7
142	86.4	68.9	103.3



#45
 Dimethylphthalate
 Concen: 6.791 ng/ul
 RT: 13.89 min Scan# 1853
 Delta R.T. -0.01 min
 Lab File: BM022937.D
 Acq: 04 Oct 2019 01:50

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.4	5.0
164	10.2	8.1	12.1





#50

Acenaphthene

Concen: 17.882 ng/ul

RT: 14.50 min Scan# 1957

Delta R.T. -0.00 min

Lab File: BM022937.D

Acq: 04 Oct 2019 01:50

Instrument :

BNA_M

ClientSampleId :

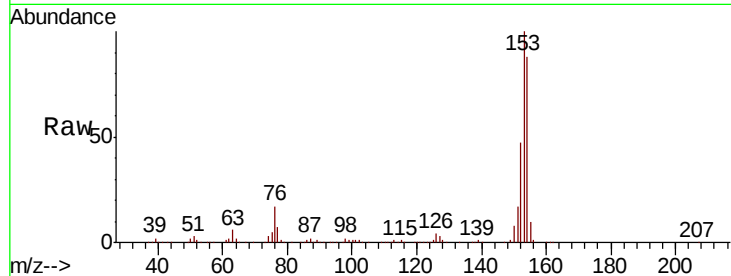
Tot Ion:153 Resp: 756504

Ion Ratio Lower Upper

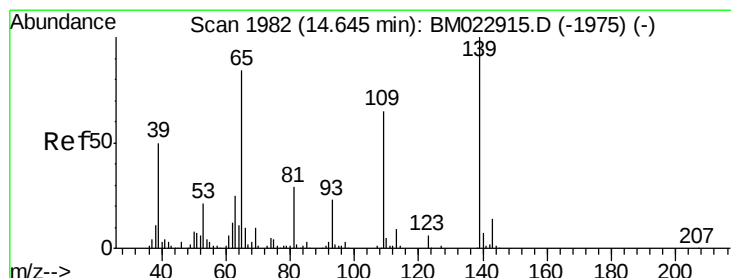
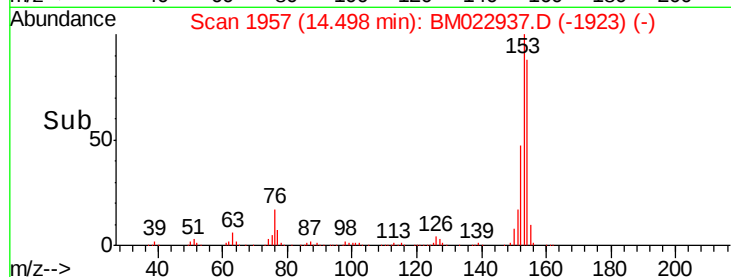
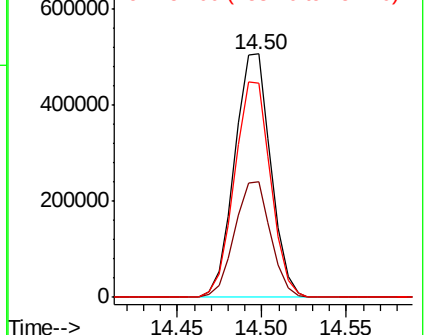
153 100

152 47.3 38.1 57.1

154 87.8 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: 10.412 ng/ul

RT: 14.64 min Scan# 1982

Delta R.T. -0.00 min

Lab File: BM022937.D

Acq: 04 Oct 2019 01:50

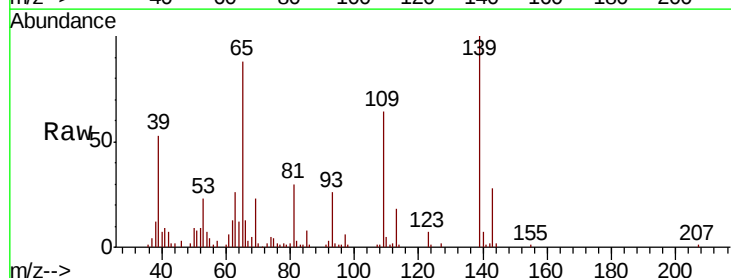
Tgt Ion:109 Resp: 73261

Ion Ratio Lower Upper

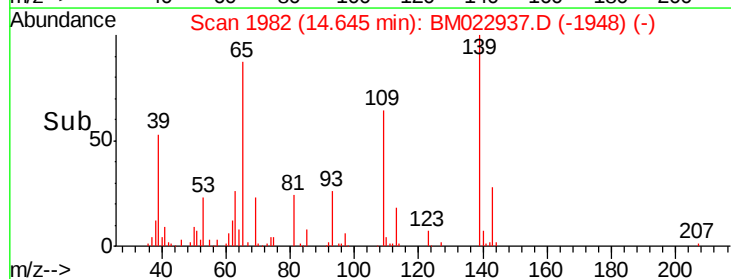
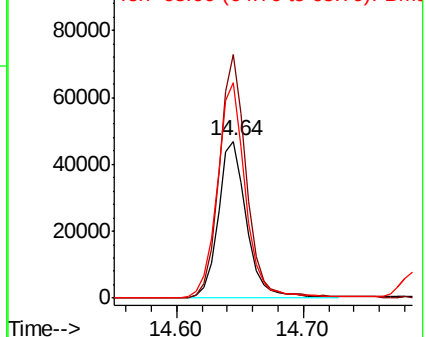
109 100

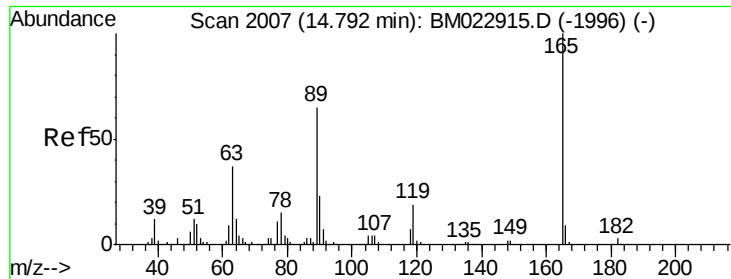
139 155.2 119.5 179.3

65 137.3 105.0 157.4



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: 15.555 ng/ul

RT: 14.79 min Scan# 2007

Delta R.T. -0.00 min

Lab File: BM022937.D

Acq: 04 Oct 2019 01:50

Instrument :

BNA_M

ClientSampleId :

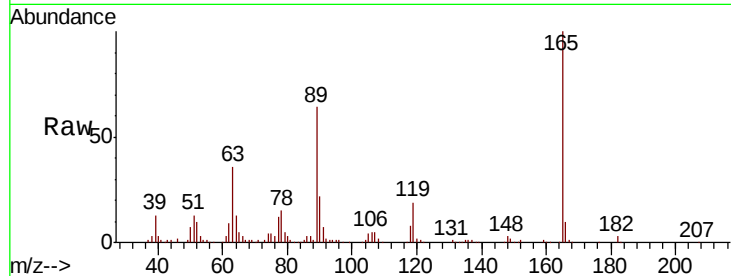
Tot Ion:165 Resp: 229033

Ion Ratio Lower Upper

165 100

63 36.3 29.8 44.6

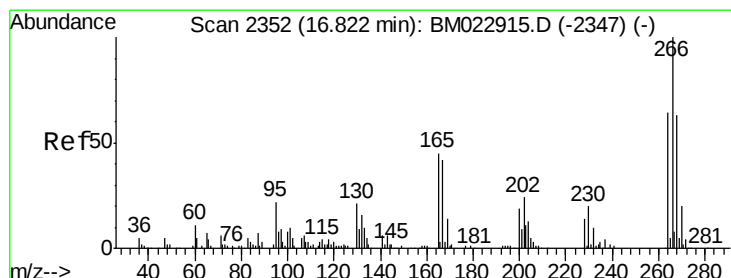
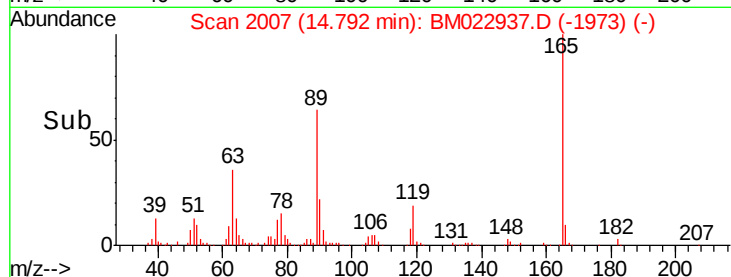
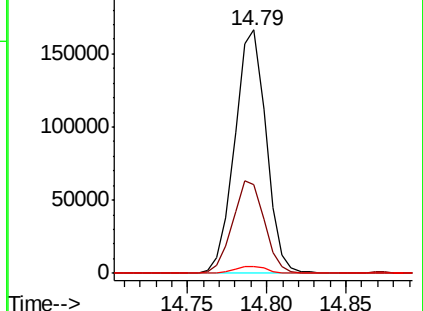
182 3.0 2.2 3.4



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM

Ion 182.00 (181.70 to 182.70): E



#69

Pentachlorophenol

Concen: 11.230 ng/ul

RT: 16.82 min Scan# 2352

Delta R.T. -0.00 min

Lab File: BM022937.D

Acq: 04 Oct 2019 01:50

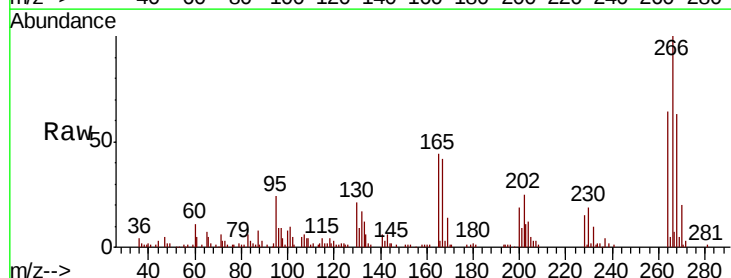
Tgt Ion:266 Resp: 106169

Ion Ratio Lower Upper

266 100

264 64.0 50.8 76.2

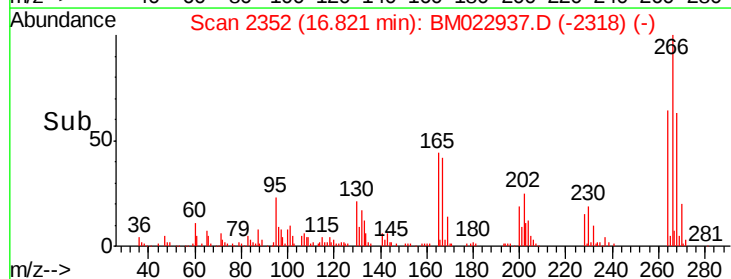
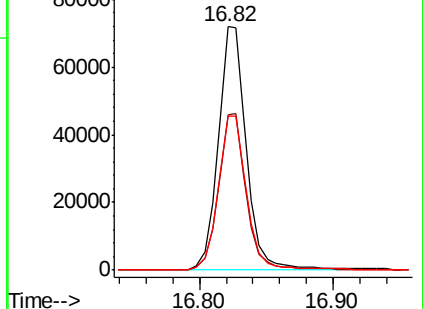
268 63.3 51.4 77.0

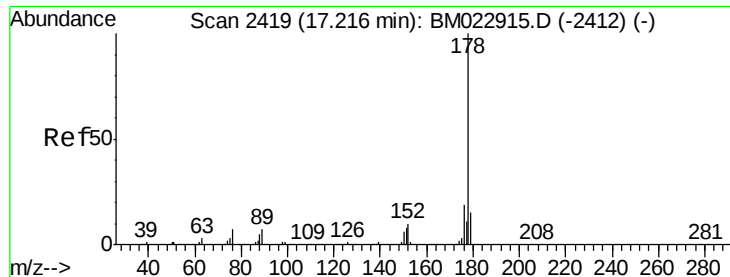


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#70

Phenanthrene

Concen: 1.131 ng/ul

RT: 17.21 min Scan# 2418

Delta R.T. -0.01 min

Lab File: BM022937.D

Acq: 04 Oct 2019 01:50

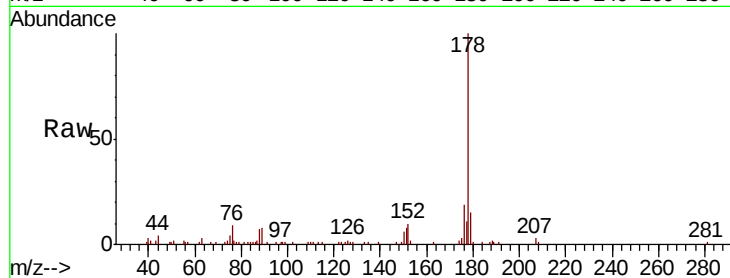
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 73141

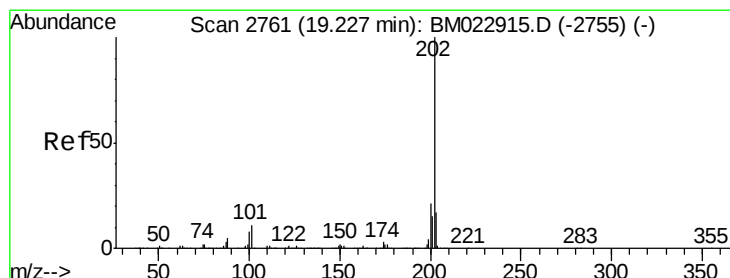
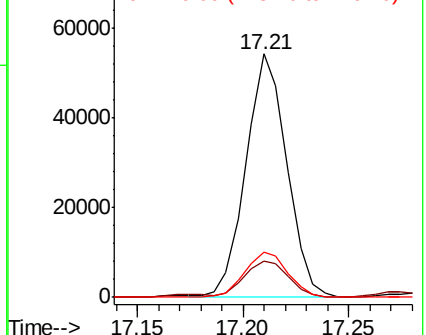
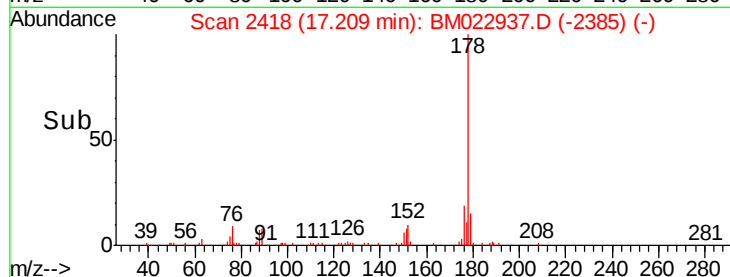
Ion	Ratio	Lower	Upper
178	100		
179	14.8	12.4	18.6
176	18.5	15.3	22.9



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



#77

Fluoranthene

Concen: 2.534 ng/ul

RT: 19.23 min Scan# 2761

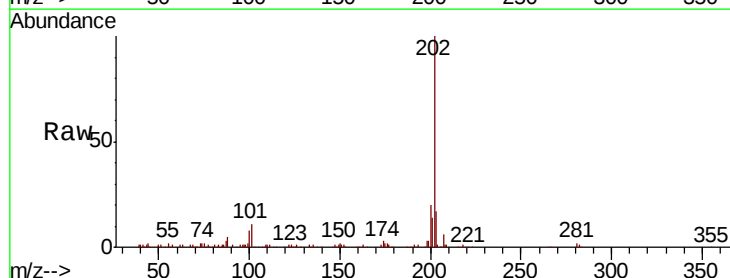
Delta R.T. -0.00 min

Lab File: BM022937.D

Acq: 04 Oct 2019 01:50

Tgt Ion:202 Resp: 184292

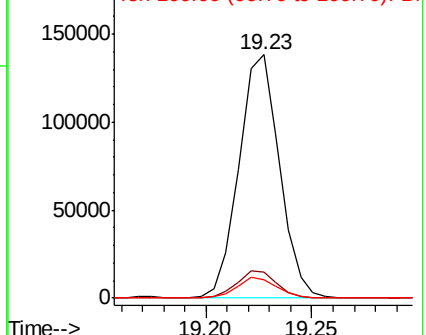
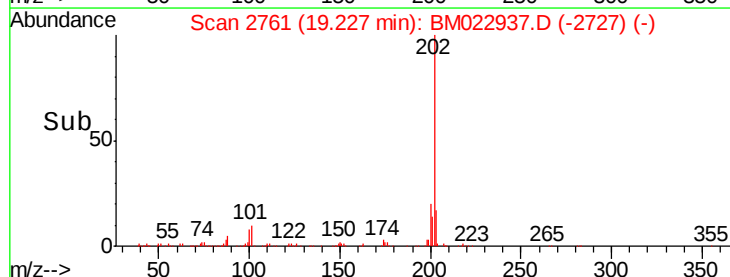
Ion	Ratio	Lower	Upper
202	100		
101	10.6	8.6	12.8
100	7.6	6.4	9.6

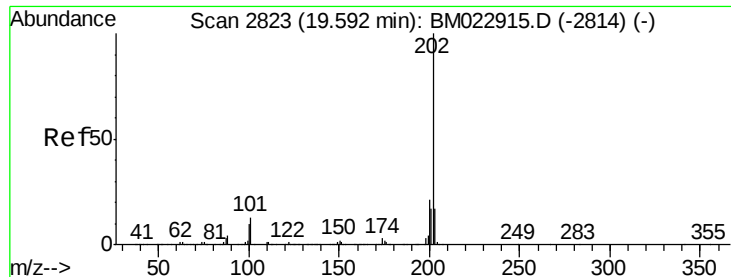


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

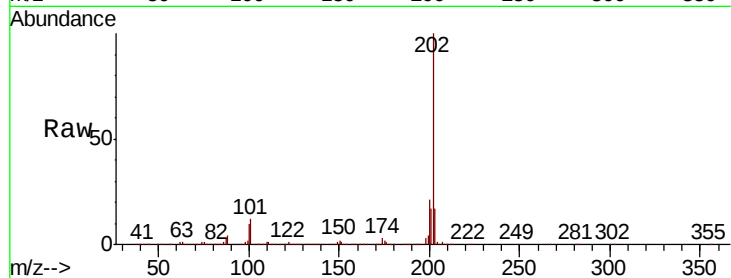




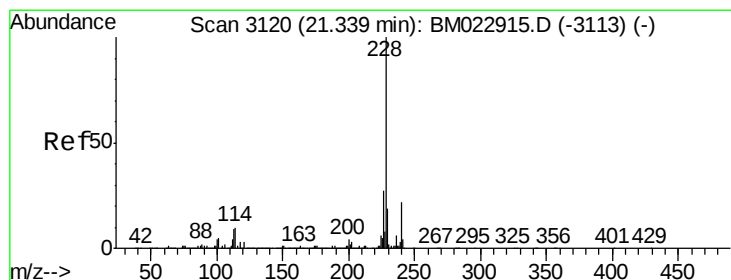
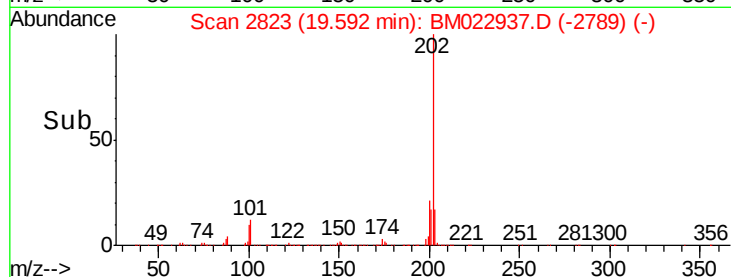
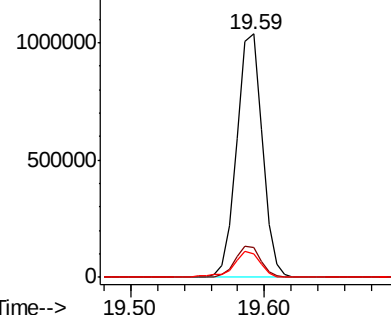
#80
Pvrene
Concen: 25.024 ng/ul
RT: 19.59 min Scan# 2823
Delta R.T. -0.00 min
Lab File: BM022937.D
Acq: 04 Oct 2019 01:50

Instrument :
BNA_M
ClientSampleId :

Tot Ion:202 Resp: 1361918
Ion Ratio Lower Upper
202 100
101 12.0 9.7 14.5
100 9.7 7.8 11.8

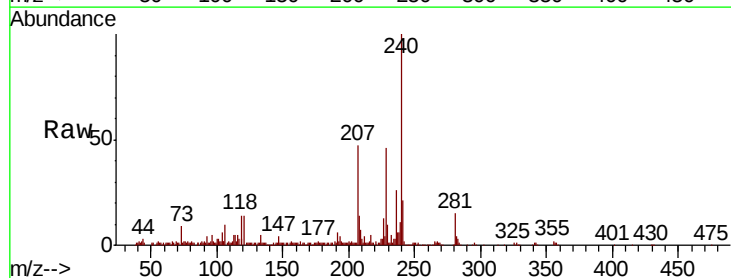


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

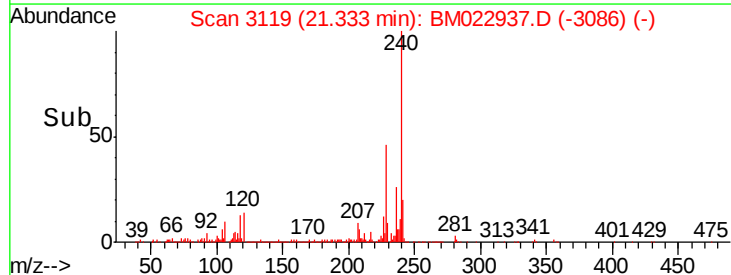
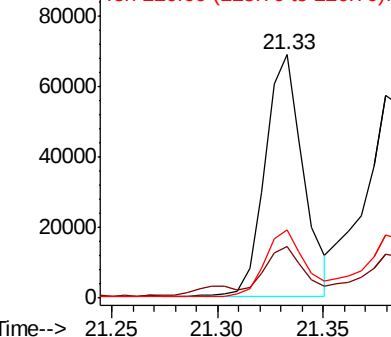


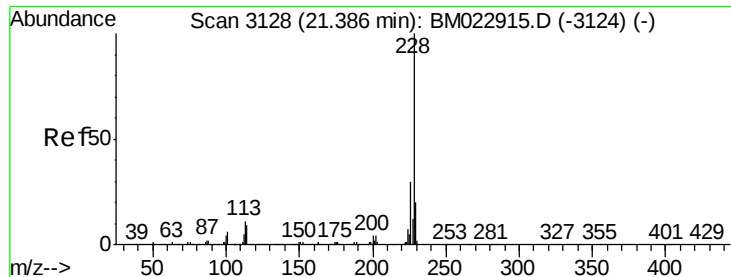
#83
Benzo(a)anthracene
Concen: 1.565 ng/ul
RT: 21.33 min Scan# 3119
Delta R.T. -0.01 min
Lab File: BM022937.D
Acq: 04 Oct 2019 01:50

Tgt Ion:228 Resp: 86283
Ion Ratio Lower Upper
228 100
229 21.2 15.8 23.8
226 27.9 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

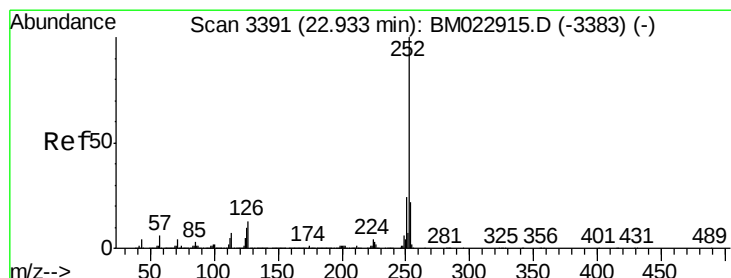
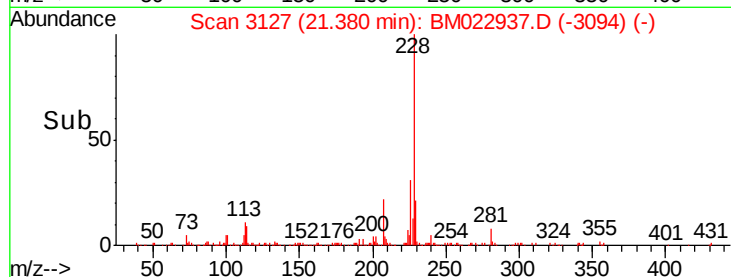
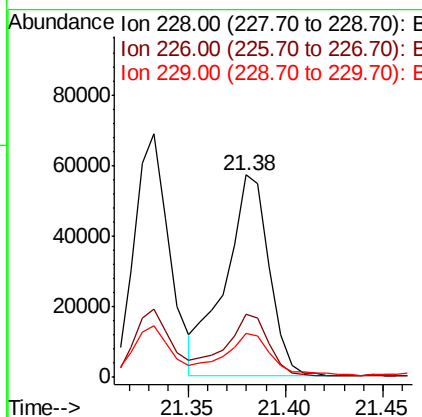
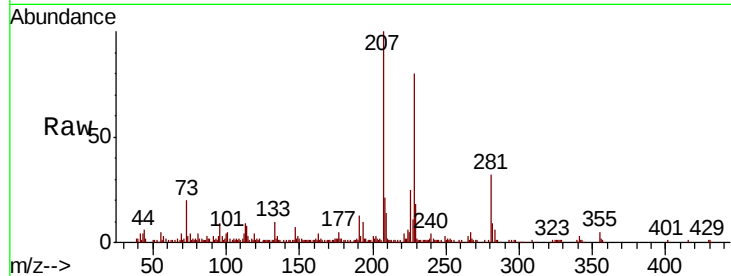




#85
Chrysene
Concen: 1.759 ng/ul
RT: 21.38 min Scan# 3127
Delta R.T. -0.01 min
Lab File: BM022937.D
Acq: 04 Oct 2019 01:50

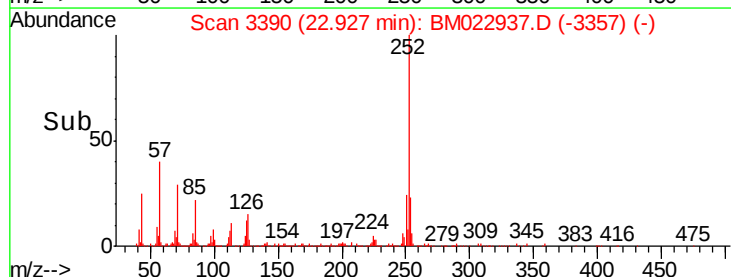
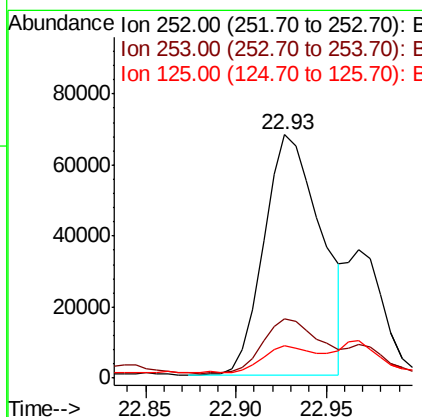
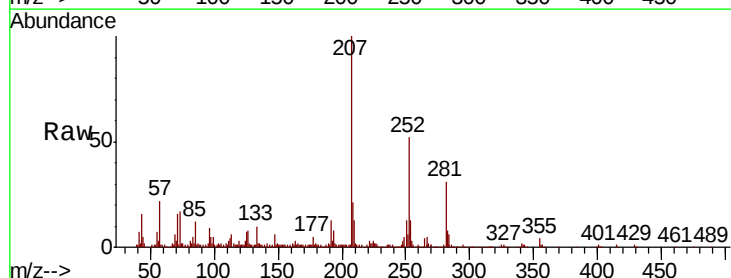
Instrument :
BNA_M
ClientSampled :

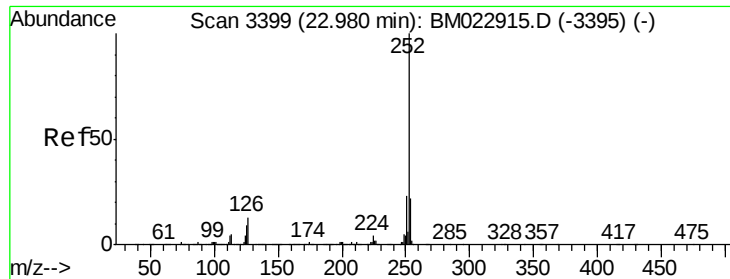
Tot Ion	Ratio	Lower	Upper
228	100		
226	31.2	24.2	36.4
229	21.9	15.9	23.9



#88
Benzo(b)fluoranthene
Concen: 2.466 ng/ul
RT: 22.93 min Scan# 3390
Delta R.T. -0.01 min
Lab File: BM022937.D
Acq: 04 Oct 2019 01:50

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.7	26.5
125	13.2	8.2	12.2#





#89

Benzo(k)fluoranthene

Concen: 2.578 ng/ul

RT: 22.93 min Scan# 3390

Delta R.T. -0.05 min

Lab File: BM022937.D

Acq: 04 Oct 2019 01:50

Instrument :

BNA_M

ClientSampleId :

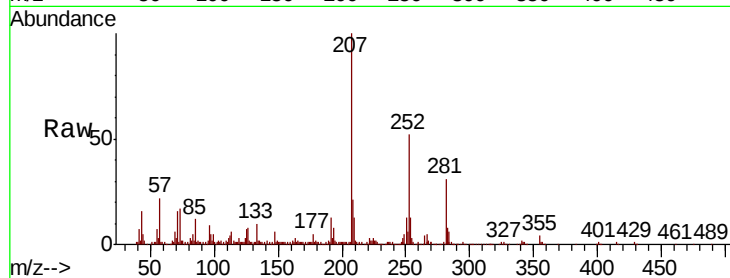
Tot Ion:252 Resp: 148483

Ion Ratio Lower Upper

252 100

253 24.3 17.5 26.3

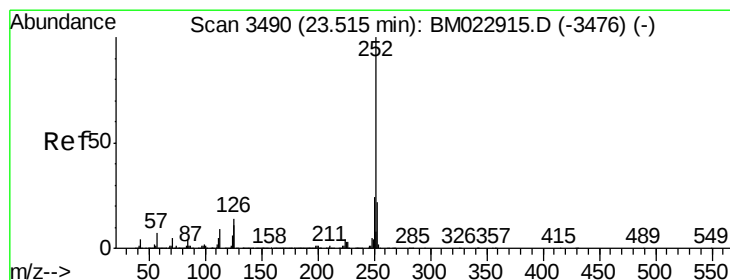
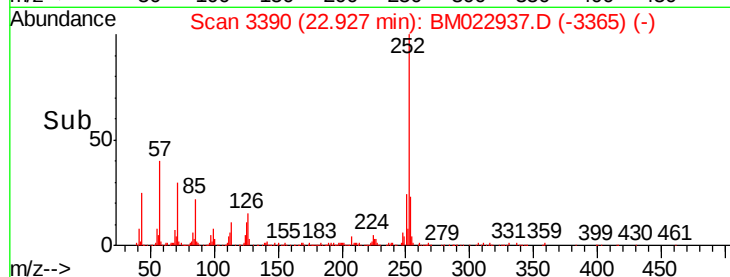
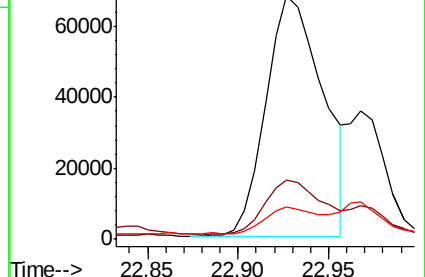
125 13.2 7.9 11.9#



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



#91

Benzo(a)pyrene

Concen: 2.033 ng/ul

RT: 23.51 min Scan# 3489

Delta R.T. -0.01 min

Lab File: BM022937.D

Acq: 04 Oct 2019 01:50

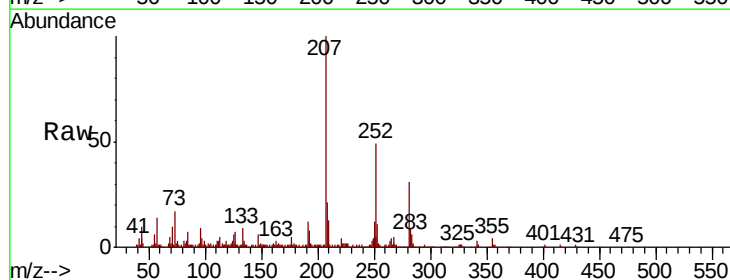
Tgt Ion:252 Resp: 114829

Ion Ratio Lower Upper

252 100

253 23.0 17.6 26.4

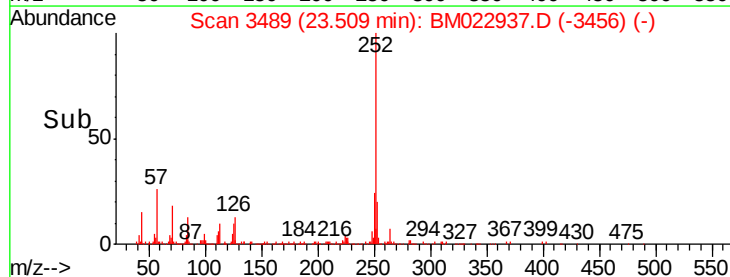
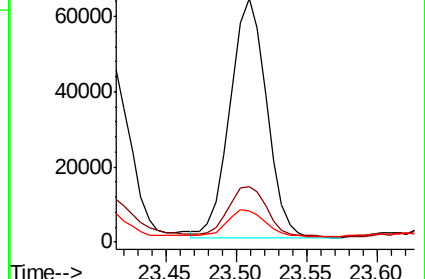
125 12.8 8.7 13.1

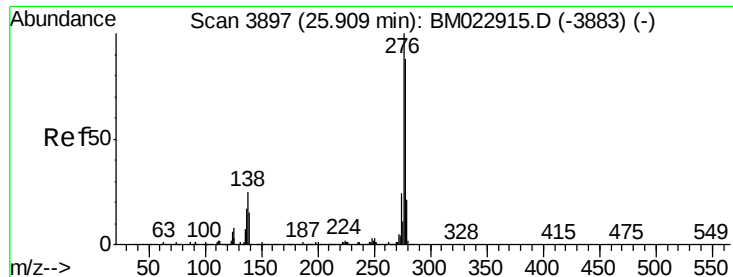


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



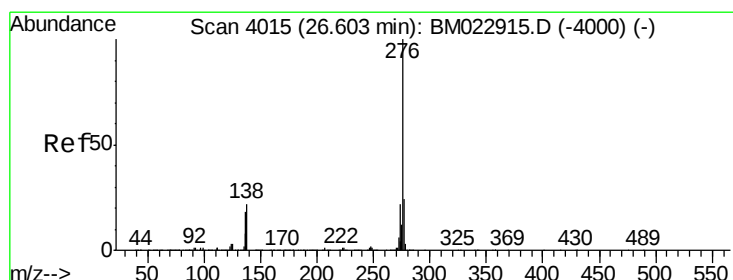
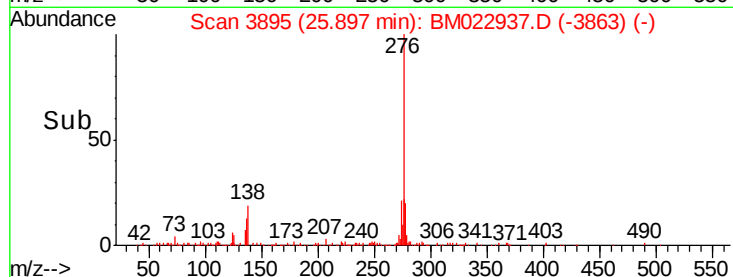
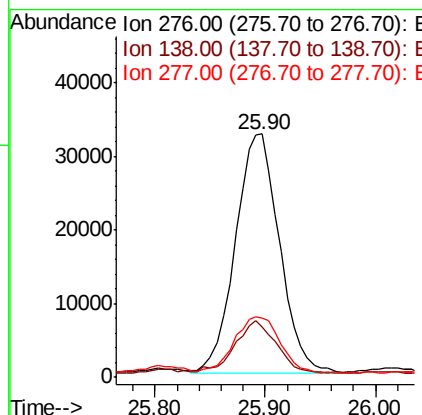
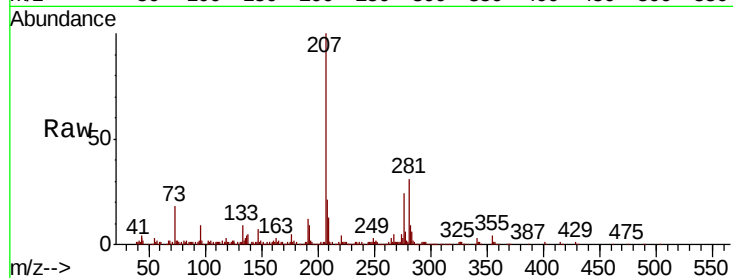


#92

Indeno(1,2,3-cd)pyrene
Concen: 1.519 ng/ul
RT: 25.90 min Scan# 3895
Delta R.T. -0.01 min
Lab File: BM022937.D
Acq: 04 Oct 2019 01:50

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.4	19.8	29.8
277	24.2	20.3	30.5



#94

Benzo(g,h,i)perylene
Concen: 1.939 ng/ul
RT: 26.60 min Scan# 4014
Delta R.T. -0.01 min
Lab File: BM022937.D
Acq: 04 Oct 2019 01:50

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.4	17.6	26.4
277	23.9	19.1	28.7

