

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM102219\
 Data File : BM023321.D
 Acq On : 22 Oct 2019 16:34
 Operator : JU
 Sample : K5345-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 22 17:26:30 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM101419MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 22 11:39:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	346610	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	1382340	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.29	164	856170	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.04	188	1827281	20.00	ng/ul	0.00
78) Chrysene-d12	21.24	240	1997206	20.00	ng/ul	0.01
86) Perylene-d12	23.32	264	3339787	20.00	ng/ul	-0.12

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.17	96	34324	4.36	ng/uL	0.00
5) Phenol-d5	6.83	99	630354	20.88	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.99	67	357174	20.91	ng/ul	0.00
9) 2-Chlorophenol-d4	7.19	132	497547	21.53	ng/ul	0.00
13) 4-Methylphenol-d8	8.36	113	499822	20.61	ng/ul	0.00
19) Nitrobenzene-d5	8.80	128	227355	24.31	ng/ul	0.00
22) 2-Nitrophenol-d4	9.52	143	240606	27.02	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.06	165	519245	22.93	ng/ul	0.00
29) 4-Chloroaniline-d4	10.56	131	565789	20.54	ng/ul	0.00
44) Dimethylphthalate-d6	13.71	166	1655886	25.24	ng/ul	0.00
47) Acenaphthylene-d8	13.99	160	1887785	24.53	ng/ul	0.00
52) 4-Nitrophenol-d4	14.49	143	210821	19.85	ng/ul	0.00
58) Fluorene-d10	15.29	176	1464273	26.20	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.41	200	189426	26.15	ng/ul	0.00
71) Anthracene-d10	17.14	188	2373026	26.93	ng/ul	0.00
79) Pyrene-d10	19.44	212	2711930	28.04	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.32	264	3324813	19.64	ng/ul	0.02

Target Compounds

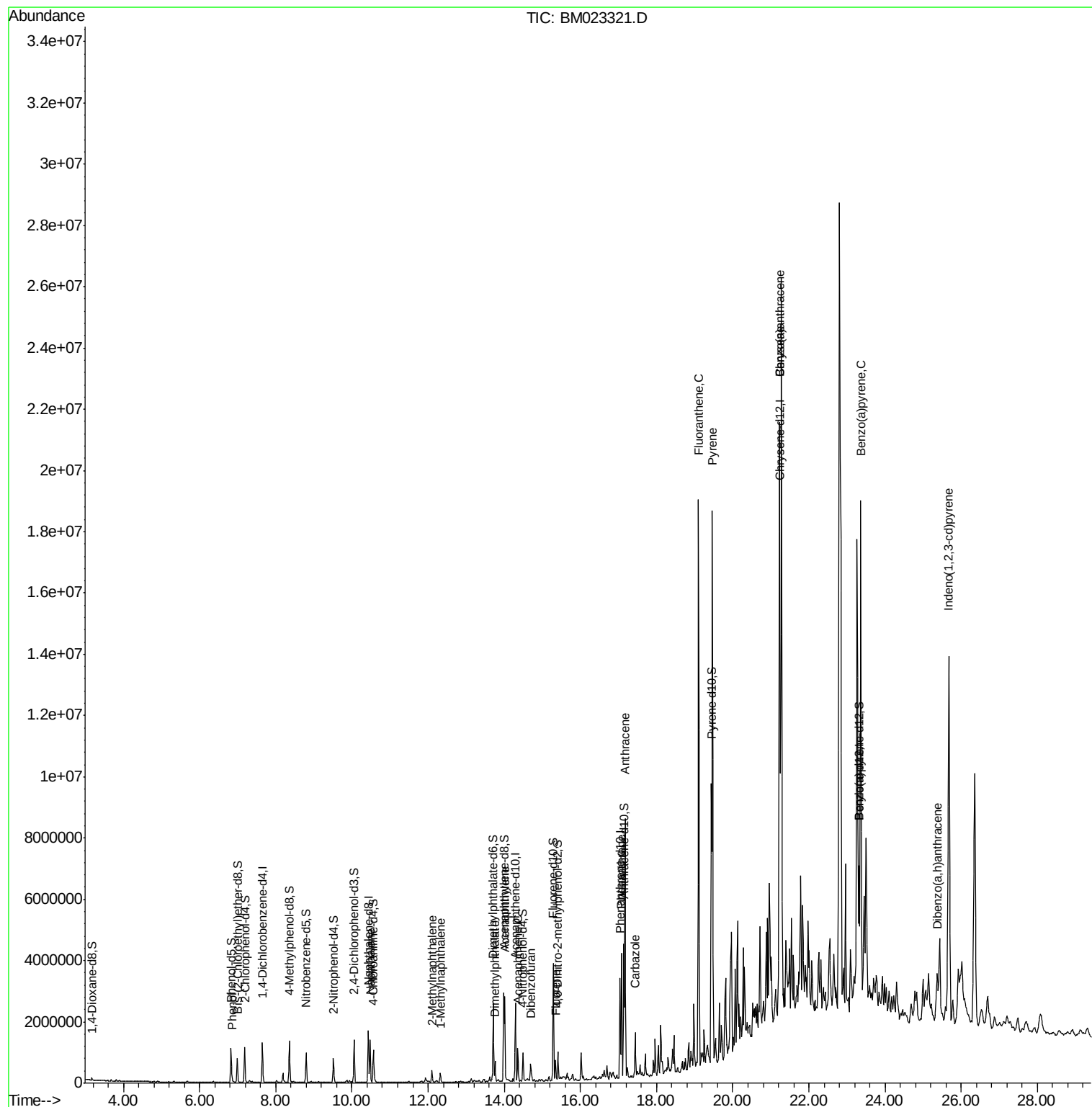
					Ovalue	
6) Phenol	6.85	94	62276	2.000	ng/ul	96
28) Naphthalene	10.48	128	1109123	15.523	ng/ul	99
34) 2-Methylnaphthalene	12.10	142	181437	3.413	ng/ul	96
35) 1-Methylnaphthalene	12.32	142	128017	2.488	ng/ul#	97
45) Dimethylphthalate	13.76	163	381156	5.804	ng/ul	98
48) Acenaphthylene	14.02	152	2067412	26.276	ng/ul	100
50) Acenaphthene	14.36	153	428045	7.813	ng/ul	99
54) Dibenzofuran	14.69	168	348837	4.485	ng/ul	99
59) Fluorene	15.35	166	295737	4.634	ng/ul	100
70) Phenanthrene	17.08	178	2408463	23.486	ng/ul	98
72) Anthracene	17.17	178	5076919	47.909	ng/ul	100
75) Carbazole	17.44	167	854004	9.021	ng/ul	99
77) Fluoranthene	19.10	202	11399360	93.468	ng/ul	100
80) Pyrene	19.47	202	11422267	91.293	ng/ul	100
83) Benzo(a)anthracene	21.23	228	9396714	69.438	ng/ul#	92
85) Chrysene	21.23	228	9394715	74.766	ng/ul	94
91) Benzo(a)pyrene	23.36	252	11973297	61.631	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.68	276	8891088	38.470	ng/ul	96
93) Dibenzo(a,h)anthracene	25.37	278	1539089	7.965	ng/ul	97

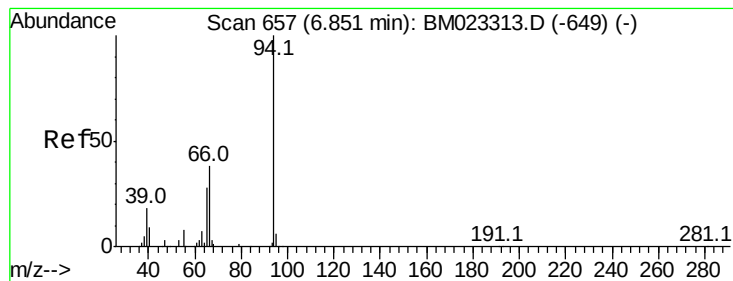
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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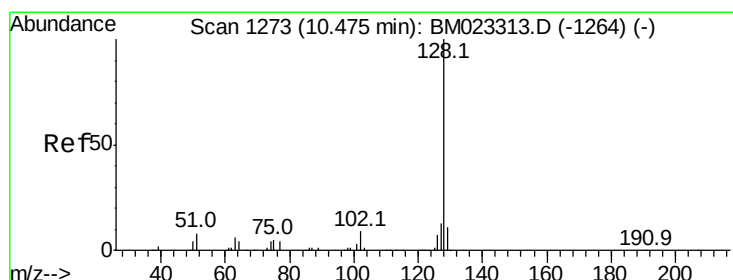
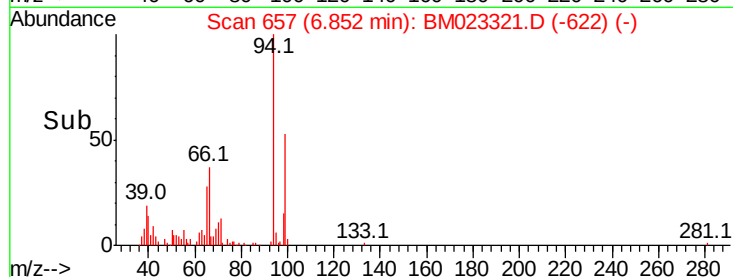
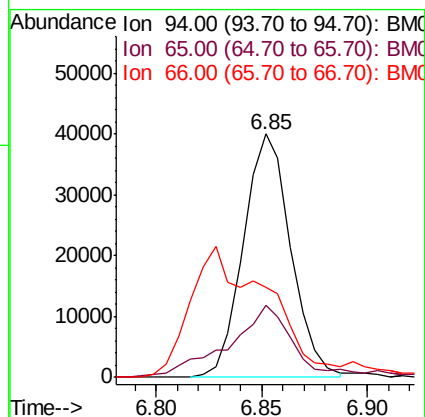
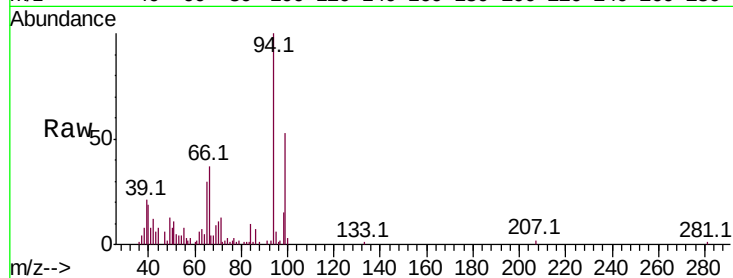
#6

Phenol

Concen: 2.000 ng/ul
 RT: 6.85 min Scan# 657
 Delta R.T. 0.01 min
 Lab File: BM023321.D
 Acq: 22 Oct 2019 16:34

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
94	100		
65	29.5	23.2	34.8
66	36.9	32.9	49.3

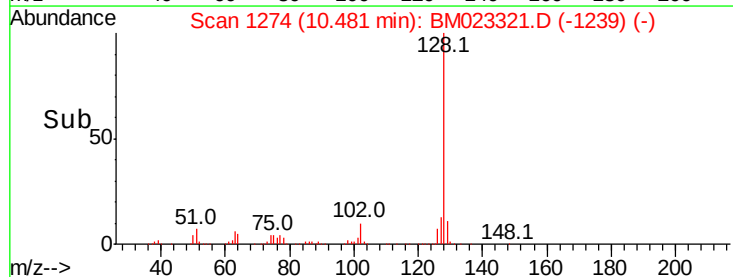
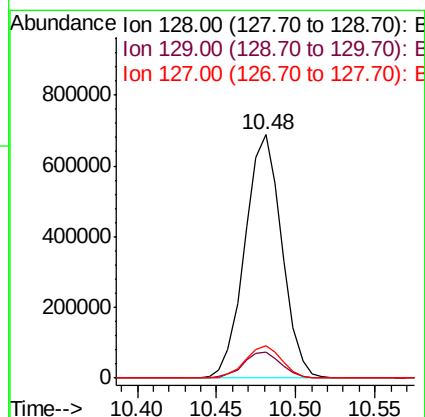
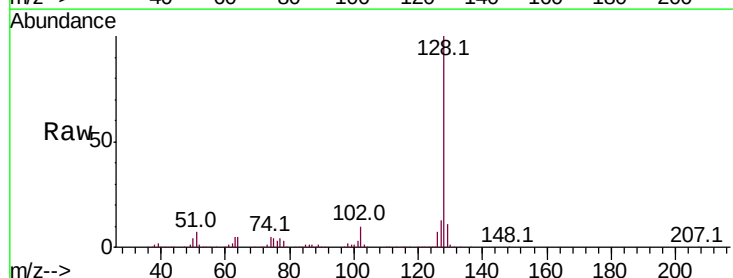


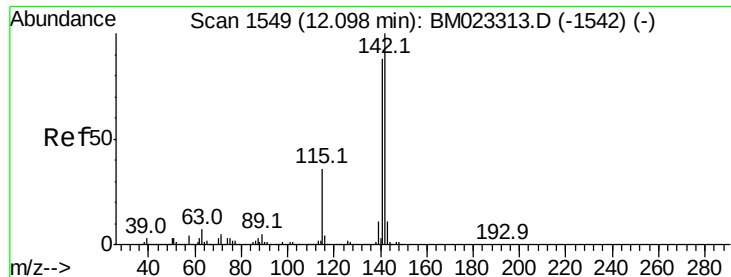
#28

Naphthalene

Concen: 15.523 ng/ul
 RT: 10.48 min Scan# 1274
 Delta R.T. 0.01 min
 Lab File: BM023321.D
 Acq: 22 Oct 2019 16:34

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.8	13.2
127	13.1	10.2	15.4

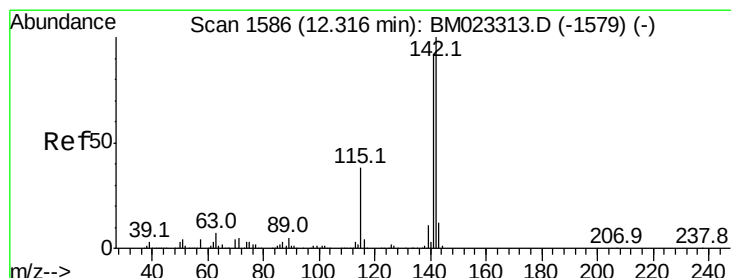
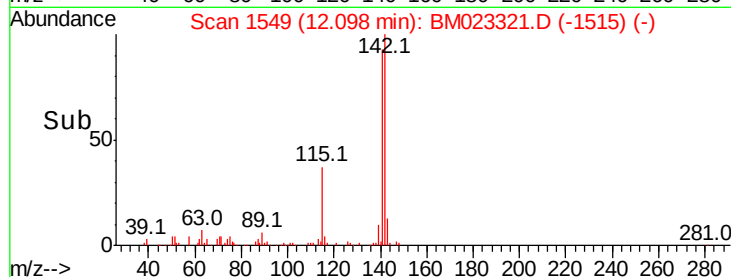
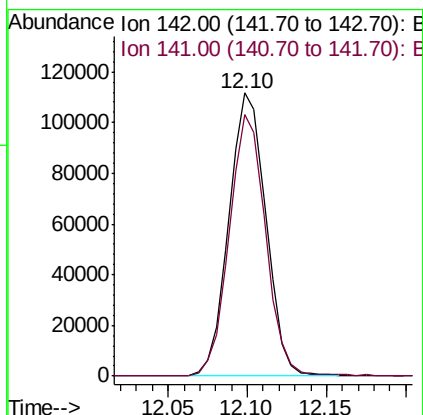
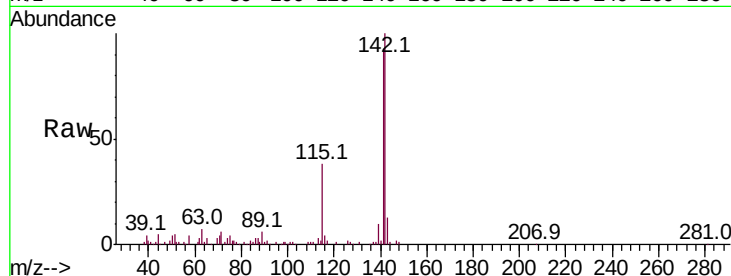




#34
2-Methylnaphthalene
Concen: 3.413 ng/ul
RT: 12.10 min Scan# 1549
Delta R.T. 0.00 min
Lab File: BM023321.D
Acq: 22 Oct 2019 16:34

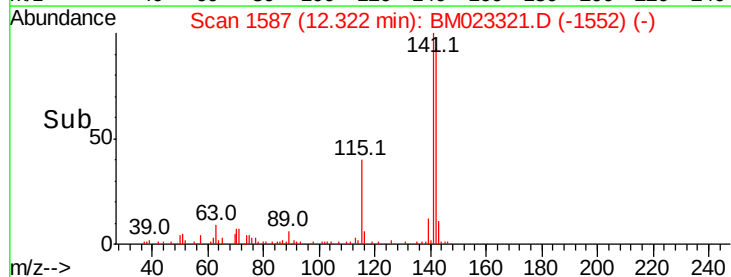
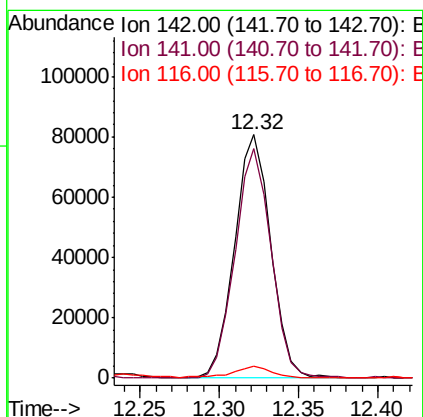
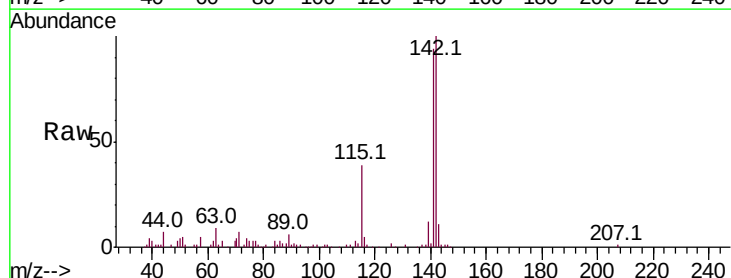
Instrument :
BNA_M
ClientSampleId :

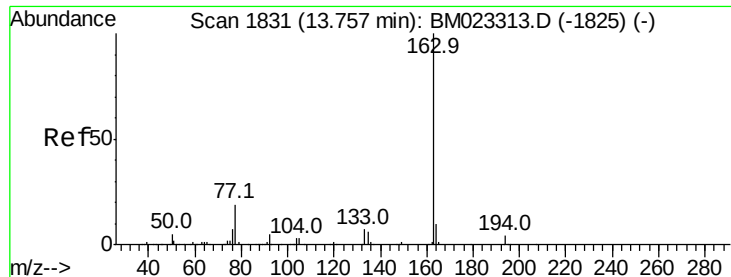
Tot Ion:142 Resp: 181437
Ion Ratio Lower Upper
142 100
141 92.6 71.4 107.0



#35
1-Methylnaphthalene
Concen: 2.488 ng/ul
RT: 12.32 min Scan# 1587
Delta R.T. 0.01 min
Lab File: BM023321.D
Acq: 22 Oct 2019 16:34

Tgt Ion:142 Resp: 128017
Ion Ratio Lower Upper
142 100
141 94.3 73.0 109.6
116 5.0 3.0 4.4#





#45

Dimethylphthalate

Concen: 5.804 ng/ul

RT: 13.76 min Scan# 1831

Delta R.T. 0.00 min

Lab File: BM023321.D

Acq: 22 Oct 2019 16:34

Instrument :

BNA_M

ClientSampleId :

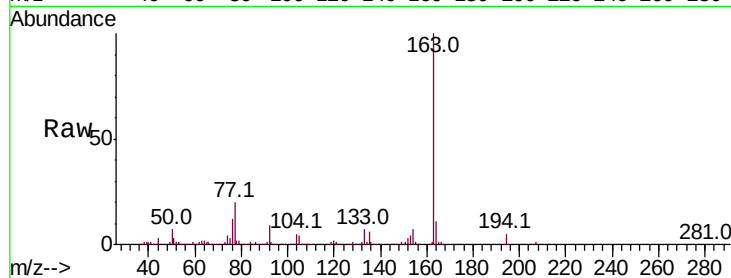
Tot Ion:163 Resp: 381156

Ion Ratio Lower Upper

163 100

194 4.5 3.4 5.2

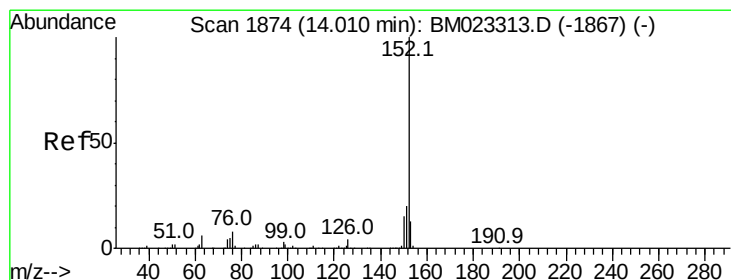
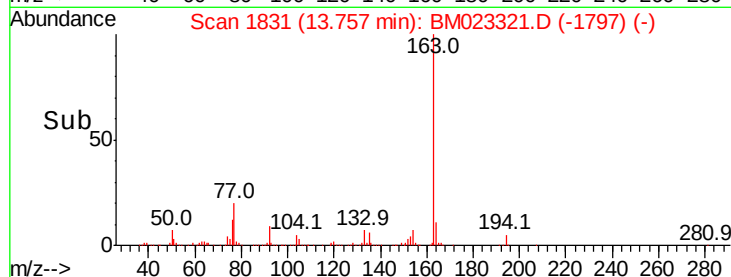
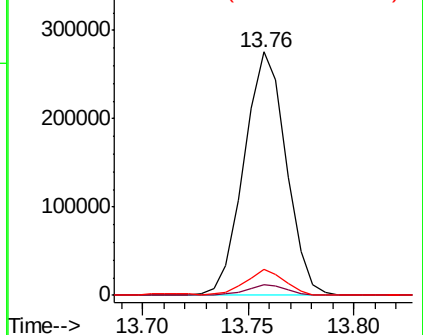
164 10.8 7.8 11.6



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



#48

Acenaphthylene

Concen: 26.276 ng/ul

RT: 14.02 min Scan# 1875

Delta R.T. 0.01 min

Lab File: BM023321.D

Acq: 22 Oct 2019 16:34

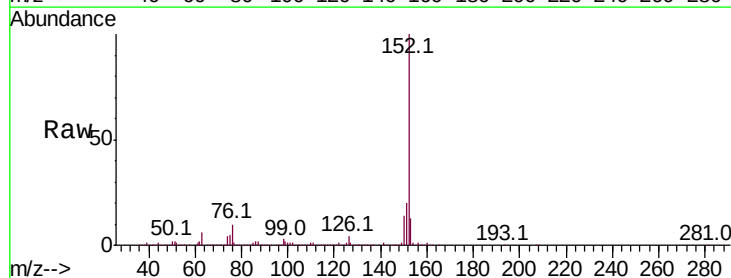
Tgt Ion:152 Resp: 2067412

Ion Ratio Lower Upper

152 100

151 20.2 15.9 23.9

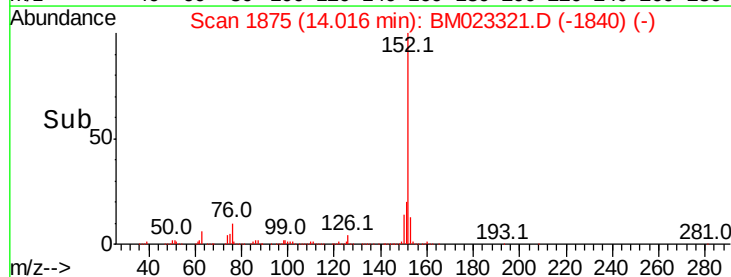
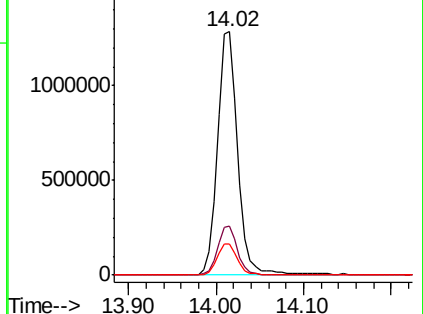
153 12.9 10.3 15.5

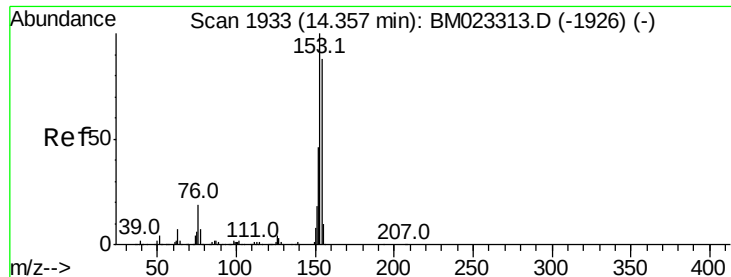


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#50

Acenaphthene

Concen: 7.813 ng/ul

RT: 14.36 min Scan# 1933

Delta R.T. 0.00 min

Lab File: BM023321.D

Acq: 22 Oct 2019 16:34

Instrument :

BNA_M

ClientSampleId :

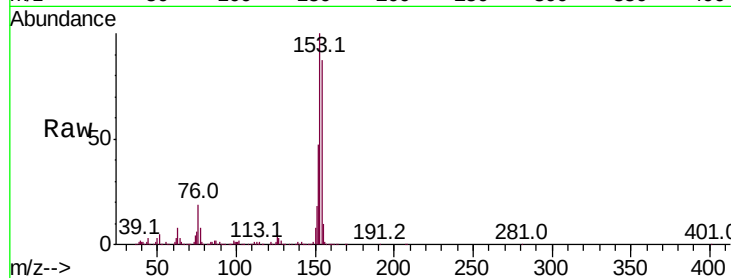
Tot Ion:153 Resp: 428045

Ion Ratio Lower Upper

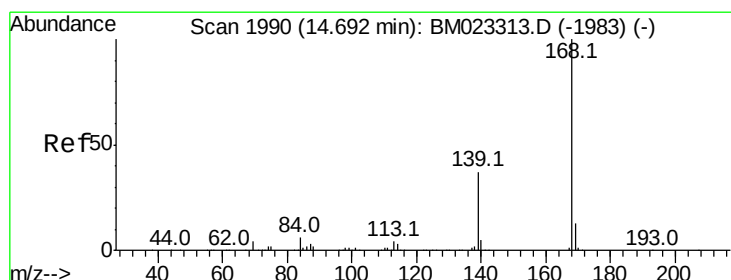
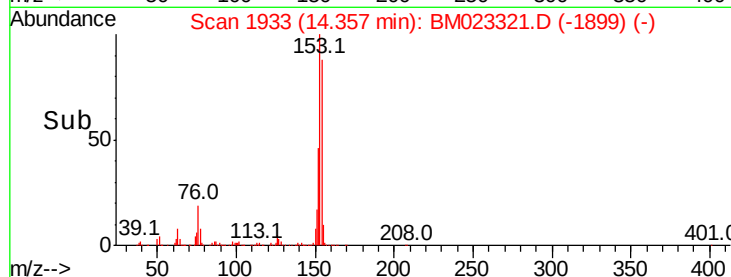
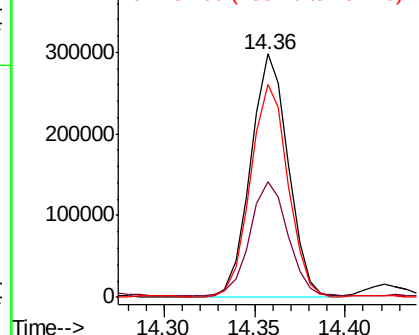
153 100

152 47.3 37.4 56.0

154 87.3 70.7 106.1



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



#54

Dibenzofuran

Concen: 4.485 ng/ul

RT: 14.69 min Scan# 1990

Delta R.T. 0.00 min

Lab File: BM023321.D

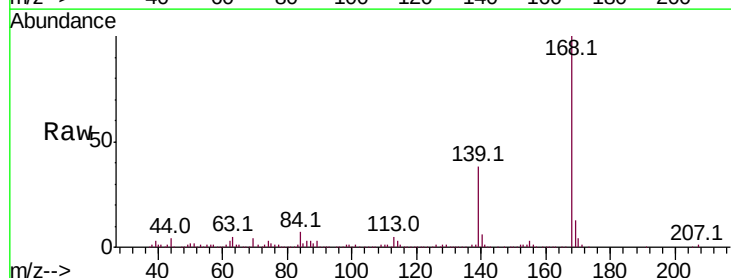
Acq: 22 Oct 2019 16:34

Tgt Ion:168 Resp: 348837

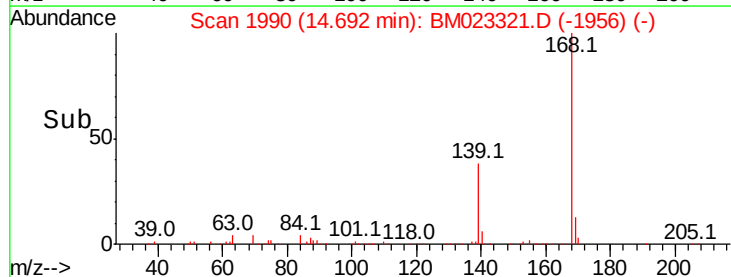
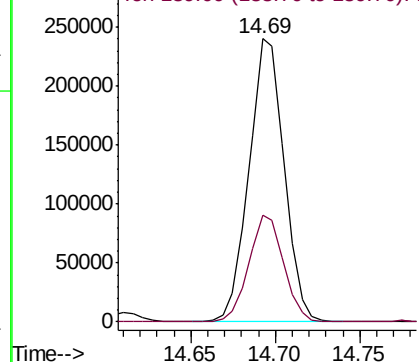
Ion Ratio Lower Upper

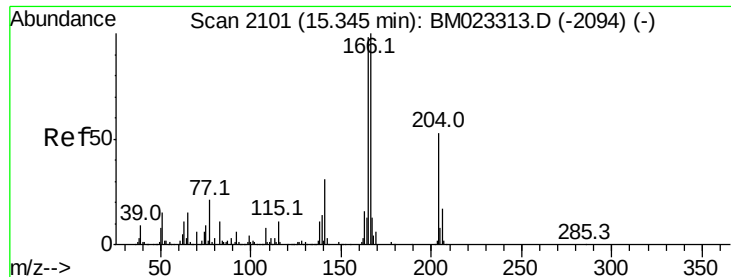
168 100

139 37.9 31.0 46.4



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E

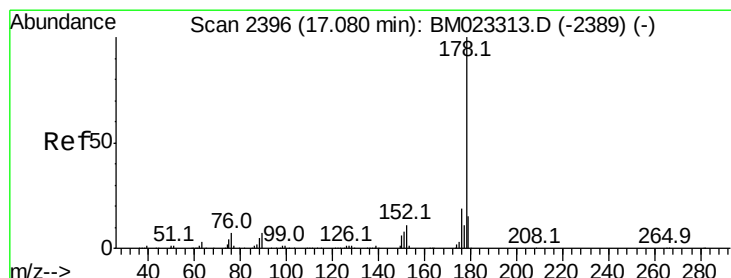
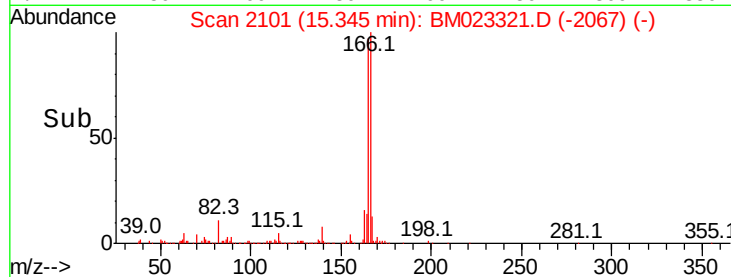
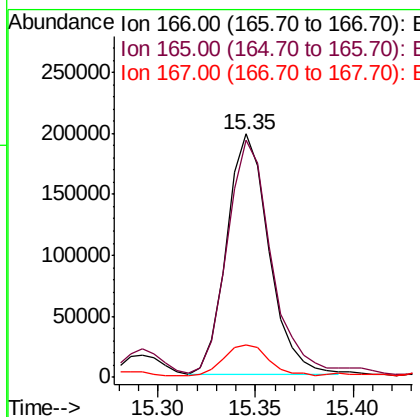
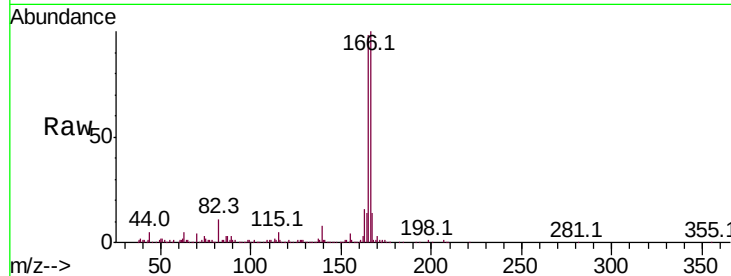




#59
 Fluorene
 Concen: 4.634 ng/ul
 RT: 15.35 min Scan# 2101
 Delta R.T. 0.00 min
 Lab File: BM023321.D
 Acq: 22 Oct 2019 16:34

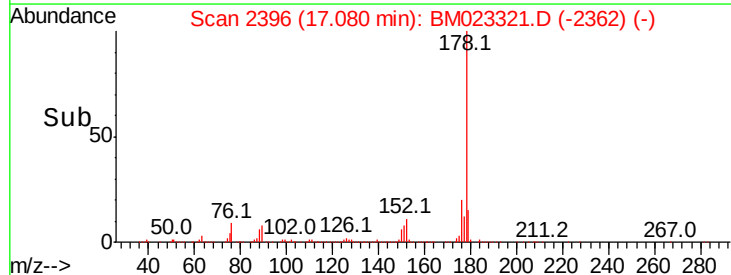
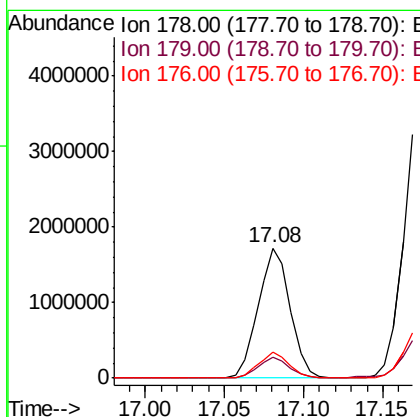
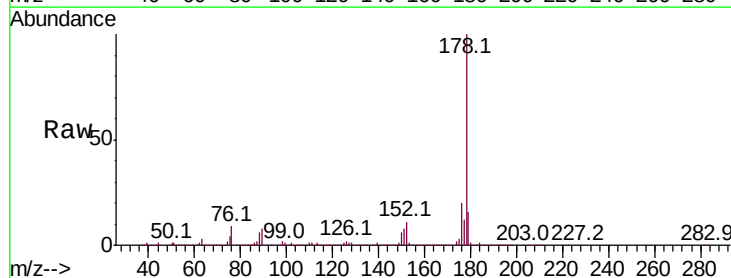
Instrument :
 BNA_M
 ClientSampleID :

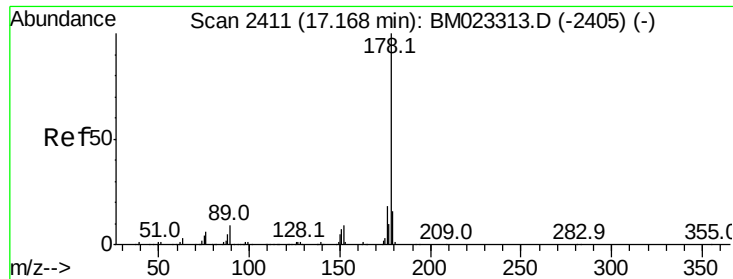
Tot Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.3	117.5
167	13.6	10.7	16.1



#70
 Phenanthrene
 Concen: 23.486 ng/ul
 RT: 17.08 min Scan# 2396
 Delta R.T. 0.00 min
 Lab File: BM023321.D
 Acq: 22 Oct 2019 16:34

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	11.7	17.5
176	19.7	15.0	22.4





#72

Anthracene

Concen: 47.909 ng/ul

RT: 17.17 min Scan# 2412

Delta R.T. 0.01 min

Lab File: BM023321.D

Acq: 22 Oct 2019 16:34

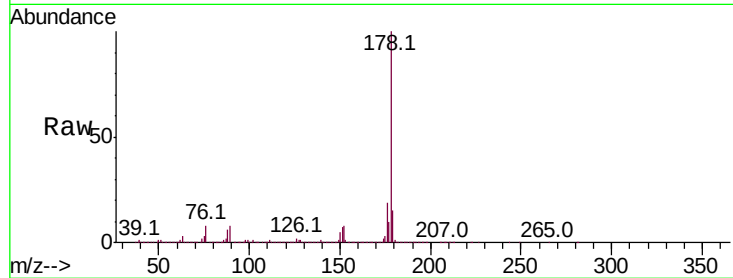
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 5076919

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.5	18.7
176	18.6	14.8	22.2

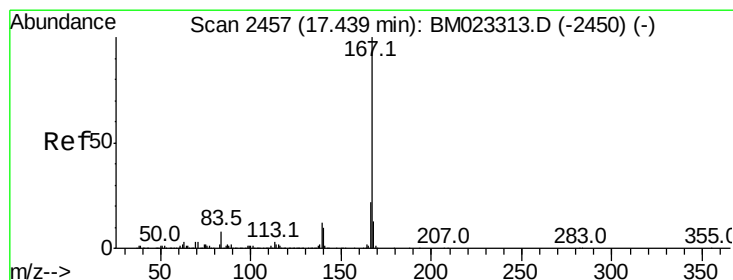
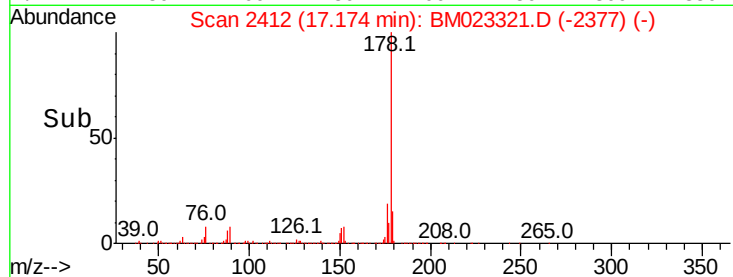
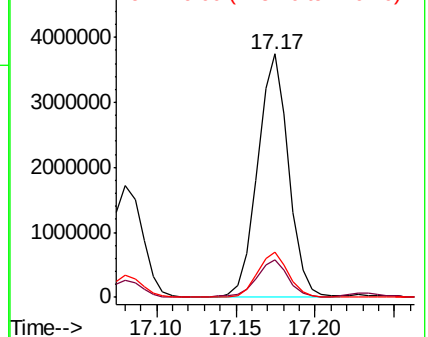


Abundance

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



#75

Carbazole

Concen: 9.021 ng/ul

RT: 17.44 min Scan# 2457

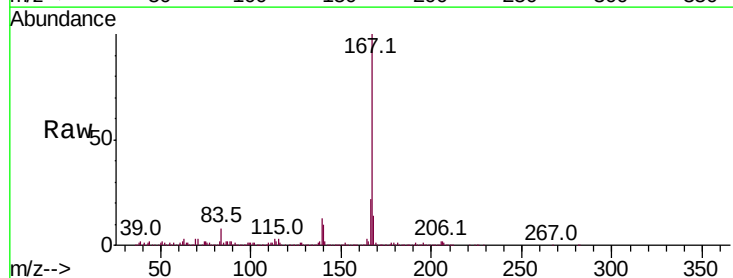
Delta R.T. 0.01 min

Lab File: BM023321.D

Acq: 22 Oct 2019 16:34

Tgt Ion:167 Resp: 854004

Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.0	25.6
139	12.8	10.5	15.7

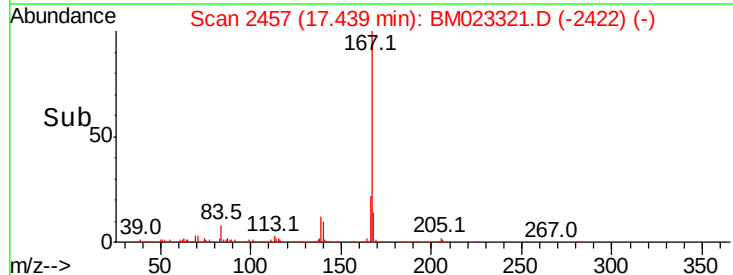
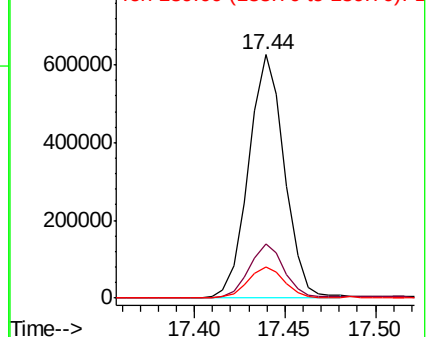


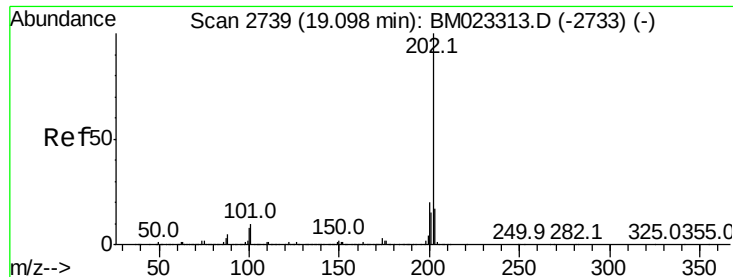
Abundance

Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

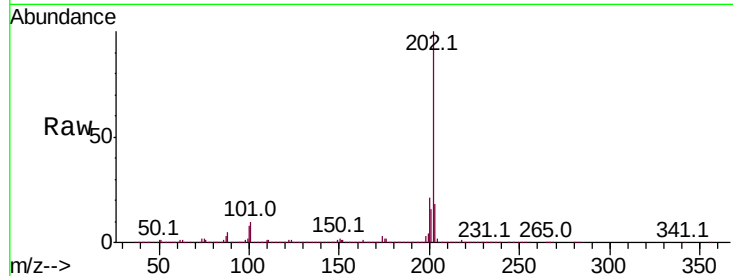




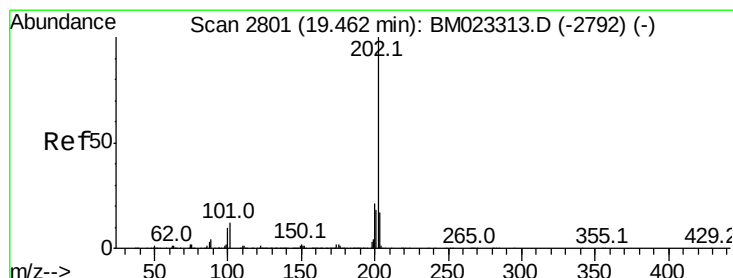
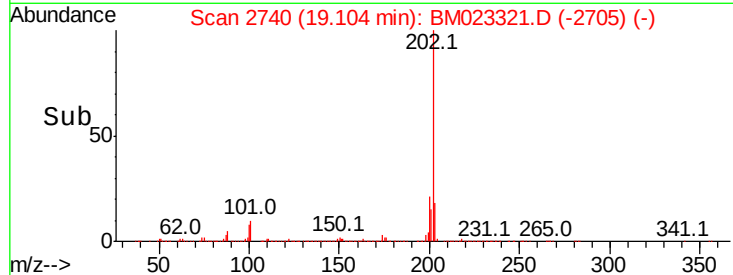
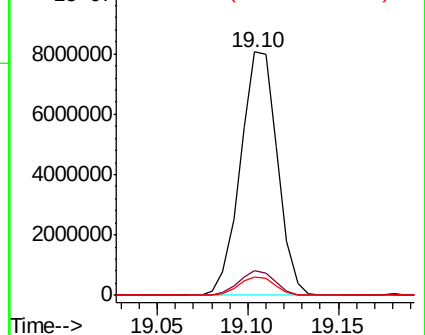
#77
 Fluoranthene
 Concen: 93.468 ng/ul
 RT: 19.10 min Scan# 2740
 Delta R.T. 0.01 min
 Lab File: BM023321.D
 Acq: 22 Oct 2019 16:34

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:202 Resp:11399360
 Ion Ratio Lower Upper
 202 100
 101 10.2 8.2 12.4
 100 7.7 6.1 9.1

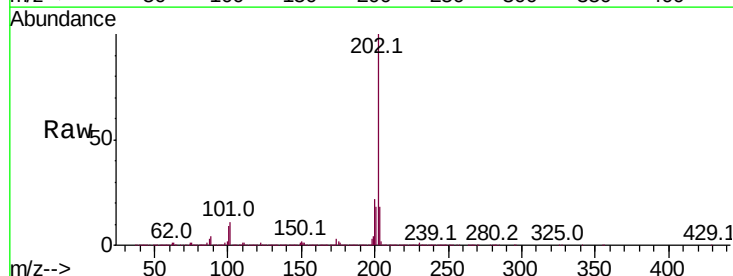


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

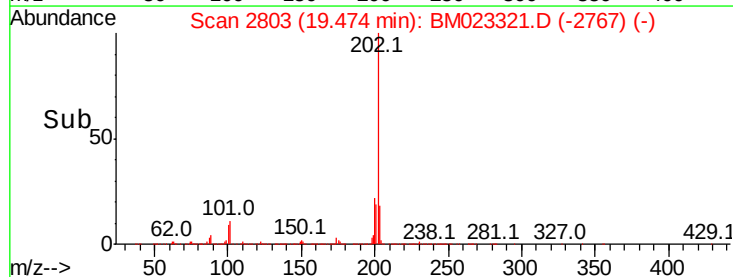
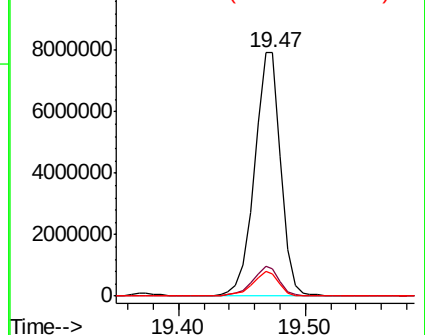


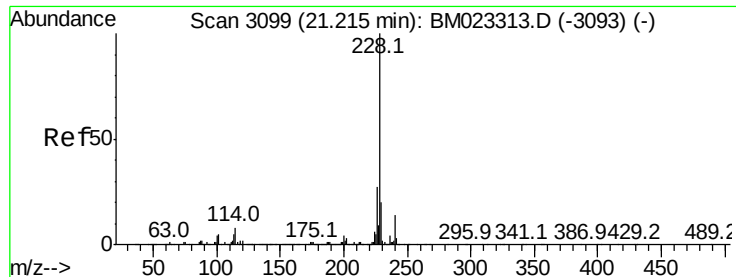
#80
 Pyrene
 Concen: 91.293 ng/ul
 RT: 19.47 min Scan# 2803
 Delta R.T. 0.01 min
 Lab File: BM023321.D
 Acq: 22 Oct 2019 16:34

Tgt Ion:202 Resp:11422267
 Ion Ratio Lower Upper
 202 100
 101 11.1 9.0 13.6
 100 9.2 7.5 11.3



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





#83

Benzo(a)anthracene

Concen: 69.438 ng/ul

RT: 21.23 min Scan# 3101

Delta R.T. 0.01 min

Lab File: BM023321.D

Acq: 22 Oct 2019 16:34

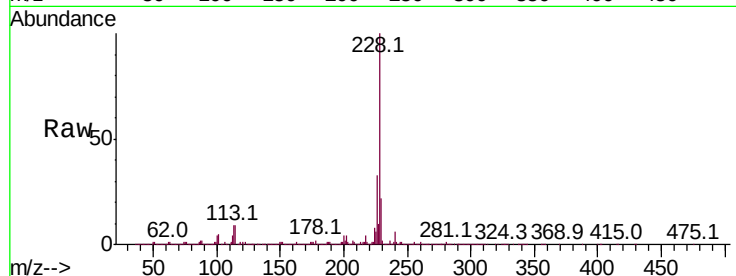
Instrument :

BNA_M

ClientSampled :

Tot Ion:228 Resp: 9396714

Ion	Ratio	Lower	Upper
228	100		
229	21.7	15.8	23.8
226	32.5	21.5	32.3

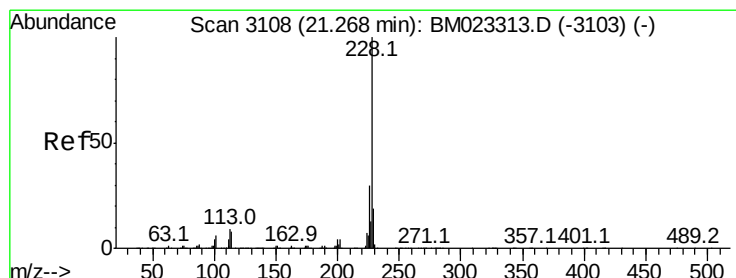
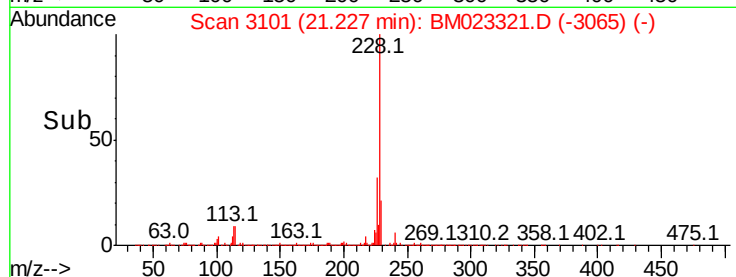
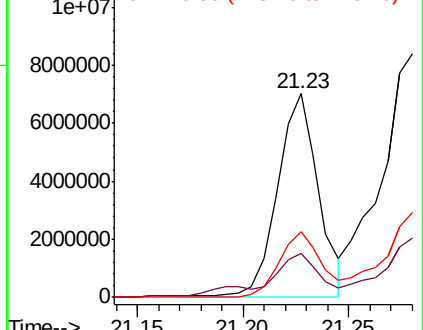


Abundance

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: 74.766 ng/ul

RT: 21.23 min Scan# 3101

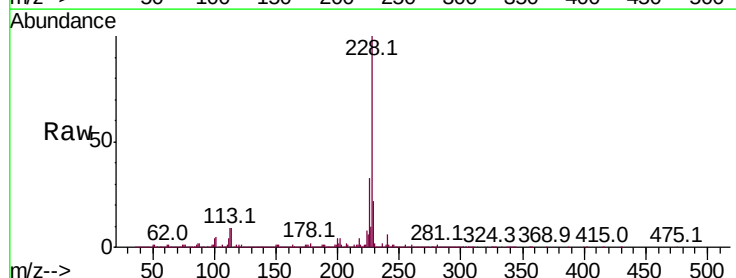
Delta R.T. -0.04 min

Lab File: BM023321.D

Acq: 22 Oct 2019 16:34

Tgt Ion:228 Resp: 9394715

Ion	Ratio	Lower	Upper
228	100		
226	32.5	23.4	35.0
229	21.7	15.5	23.3

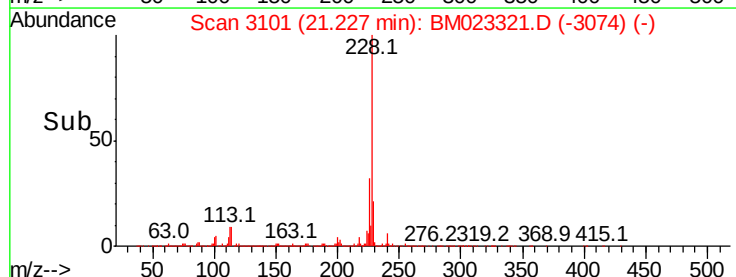
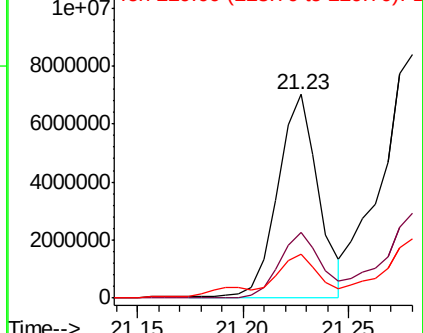


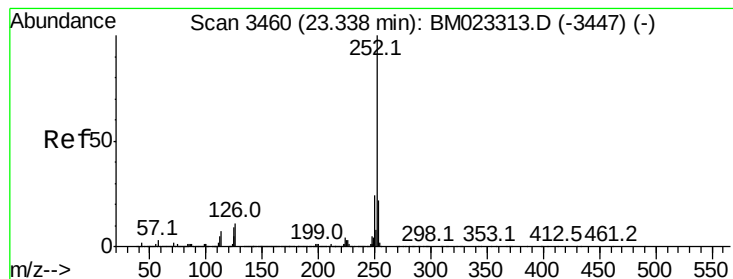
Abundance

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





#91

Benzo(a)pyrene

Concen: 61.631 ng/ul

RT: 23.36 min Scan# 3464

Delta R.T. 0.02 min

Lab File: BM023321.D

Acq: 22 Oct 2019 16:34

Instrument :

BNA_M

ClientSampleId :

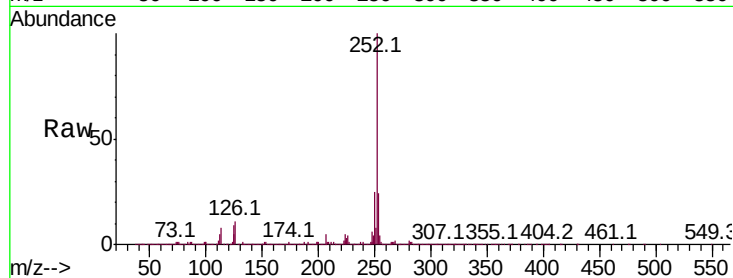
Tot Ion:252 Resp:11973297

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.0	25.6
125	9.0	7.1	10.7

252 100

253 23.6 17.0 25.6

125 9.0 7.1 10.7

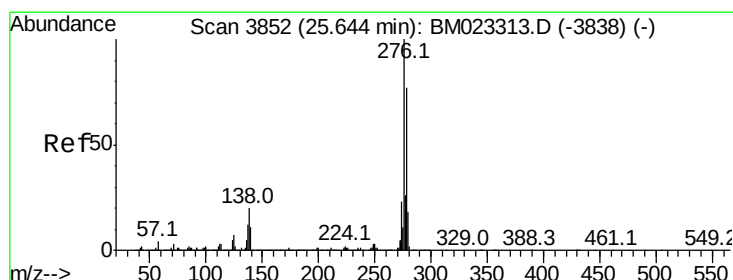
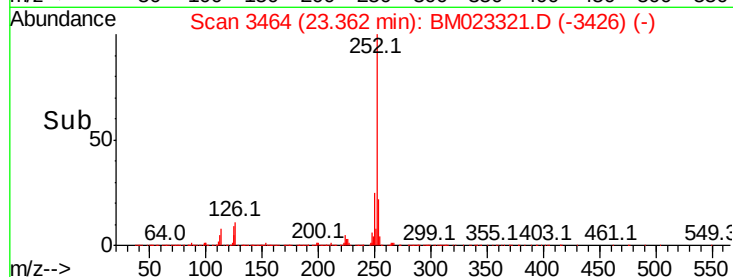
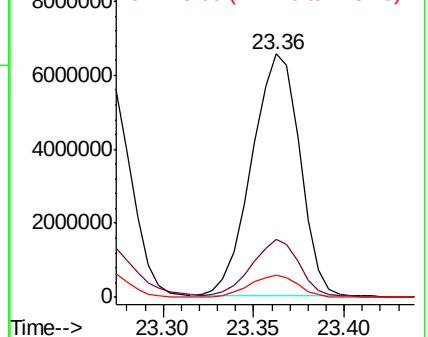


Abundance

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: 38.470 ng/ul

RT: 25.68 min Scan# 3858

Delta R.T. 0.04 min

Lab File: BM023321.D

Acq: 22 Oct 2019 16:34

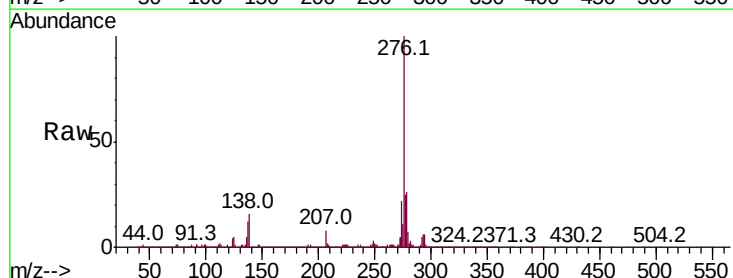
Tgt Ion:276 Resp: 8891088

Ion	Ratio	Lower	Upper
276	100		
138	16.0	15.8	23.6
277	24.6	19.8	29.8

276 100

138 16.0 15.8 23.6

277 24.6 19.8 29.8

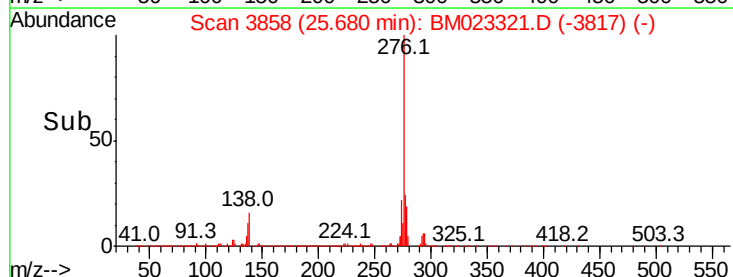
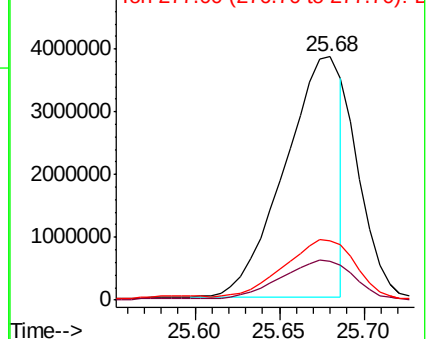


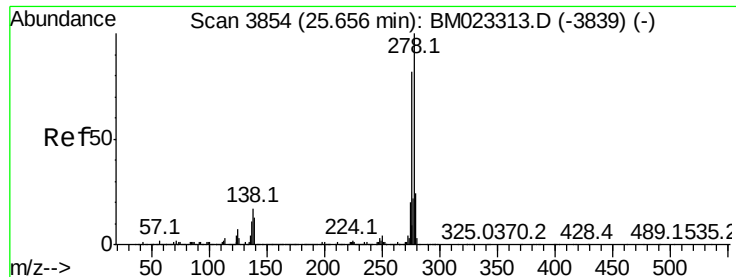
Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#93

Dibenzo(a,h)anthracene

Concen: 7.965 ng/ul

RT: 25.37 min Scan# 3806

Delta R.T. -0.28 min

Lab File: BM023321.D

Acq: 22 Oct 2019 16:34

Instrument :

BNA_M

ClientSampleId :

Tot Ion:278 Resp: 1539089

Ion	Ratio	Lower	Upper
278	100		
139	12.8	10.5	15.7
279	26.4	19.7	29.5

