

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060619\
 Data File : BM020769.D
 Acq On : 06 Jun 2019 18:33
 Operator : HP/JU
 Sample : K3202-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jun 07 05:48:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Jun 07 05:12:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	253397	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	1062780	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	589635	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.19	188	1278349	20.00	ng/ul	0.00
77) Chrysene-d12	21.37	240	1177387	20.00	ng/ul	0.00
85) Perylene-d12	23.66	264	1316682	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.31	96	12906	2.43	ng/uL	0.00
5) Phenol-d5	6.97	99	179994	9.29	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	144081	12.39	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	166347	10.77	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	129011	8.27	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	84431	11.64	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	79336	10.62	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	155967	10.01	ng/ul	0.00
29) 4-Chloroaniline-d4	10.75	131	164897	8.79	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	571066	13.09	ng/ul	0.00
46) Acenaphthylene-d8	14.15	160	622789	11.26	ng/ul	0.00
51) 4-Nitrophenol-d4	14.64	143	35310	4.72	ng/ul	0.00
57) Fluorene-d10	15.44	176	466871	12.60	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	37598	5.75	ng/ul	0.00
70) Anthracene-d10	17.29	188	673354	12.06	ng/ul	0.00
78) Pyrene-d10	19.59	212	692559	12.17	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.51	264	667163	11.15	ng/ul	0.00

Target Compounds

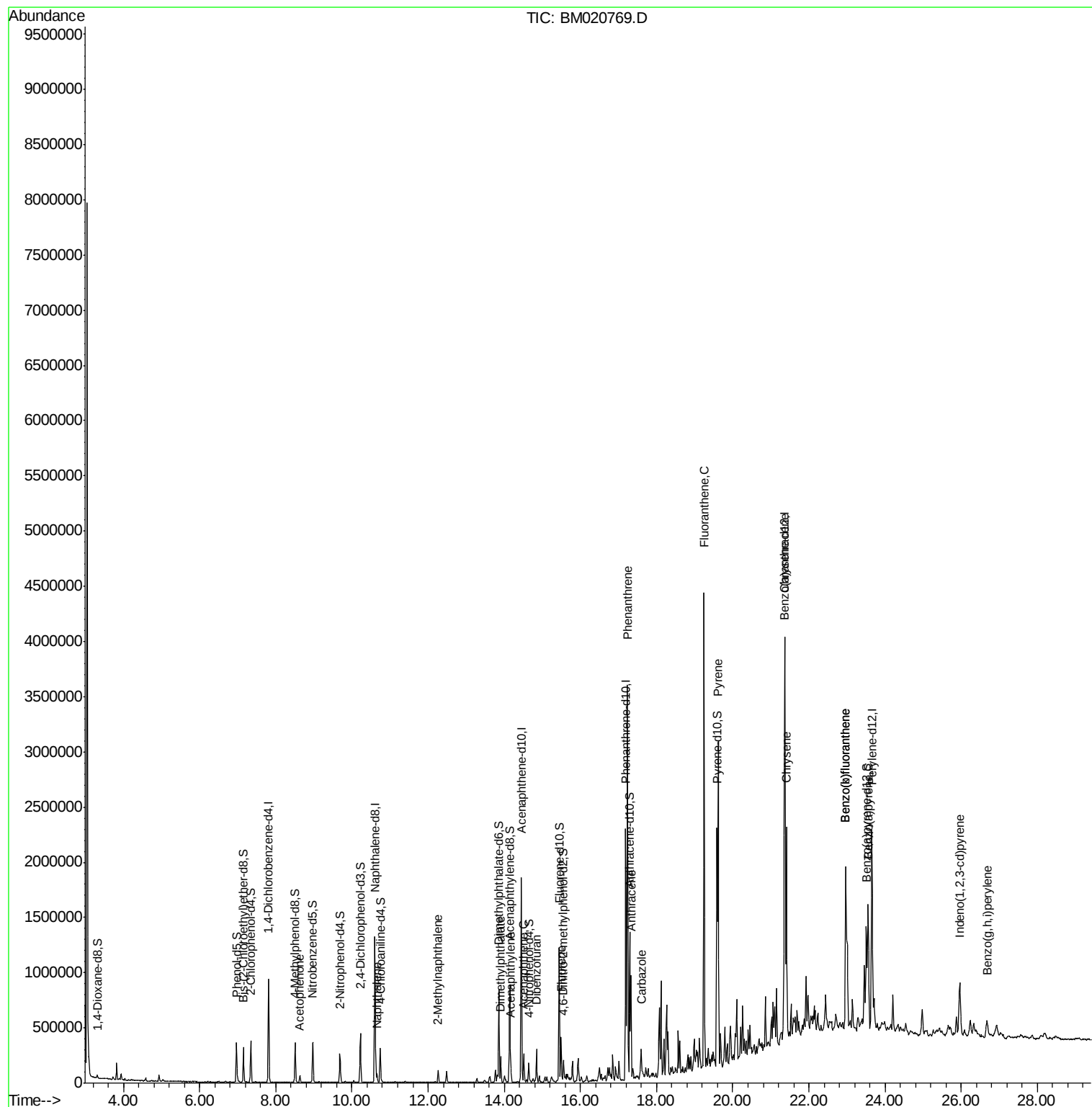
					Ovalue
14) Acetophenone	8.63	105	32823	1.362	ng/ul 98
28) Naphthalene	10.65	128	65129	1.305	ng/ul 99
34) 2-Methylnaphthalene	12.26	142	50623	1.381	ng/ul 94
44) Dimethylphthalate	13.90	163	143029	3.275	ng/ul 99
47) Acenaphthylene	14.17	152	73040	1.365	ng/ul 98
49) Acenaphthene	14.51	153	105198	2.817	ng/ul 98
53) Dibenzofuran	14.85	168	158598	3.002	ng/ul 98
58) Fluorene	15.50	166	167727	3.954	ng/ul 97
69) Phenanthrene	17.24	178	2159127	33.560	ng/ul 99
71) Anthracene	17.33	178	573272	8.693	ng/ul 99
74) Carbazole	17.60	167	146853	2.561	ng/ul 99
76) Fluoranthene	19.25	202	2358530	31.990	ng/ul 100
79) Pyrene	19.62	202	1770827	24.365	ng/ul 99
82) Benzo(a)anthracene	21.36	228	1194798	16.267	ng/ul 98
84) Chrysene	21.41	228	993511	14.578	ng/ul 96
87) Benzo(b)fluoranthene	22.97	252	1153674	15.062	ng/ul 98
88) Benzo(k)fluoranthene	22.97	252	1153674	15.758	ng/ul 98
90) Benzo(a)pyrene	23.56	252	746719	10.247	ng/ul 97
91) Indeno(1,2,3-cd)pyrene	25.96	276	441290	5.127	ng/ul 97
93) Benzo(g,h,i)perylene	26.67	276	176142	2.523	ng/ul 96

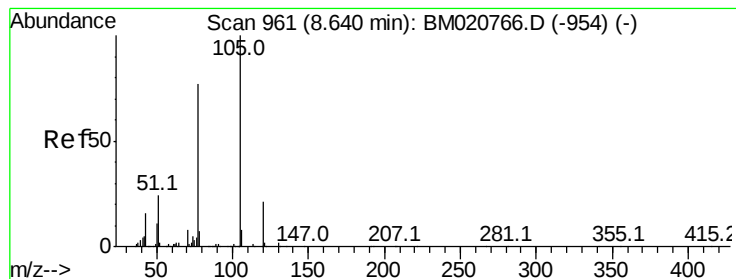
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Fri Jun 07 05:12:28 2019
Response via : Initial Calibration





#14

Acetophenone

Concen: 1.362 ng/ul

RT: 8.63 min Scan# 960

Delta R.T. -0.01 min

Lab File: BM020769.D

Acq: 06 Jun 2019 18:33

Instrument :

BNA_M

ClientSampled :

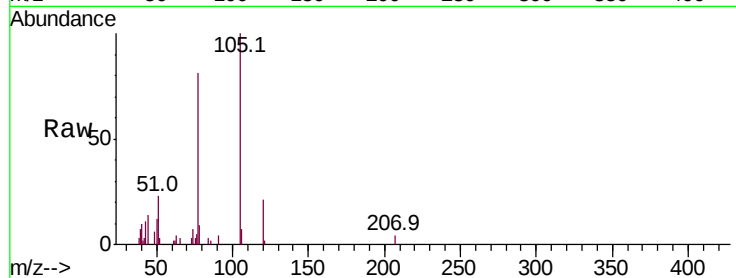
Tot Ion:105 Resp: 32823

Ion Ratio Lower Upper

105 100

77 80.9 64.6 97.0

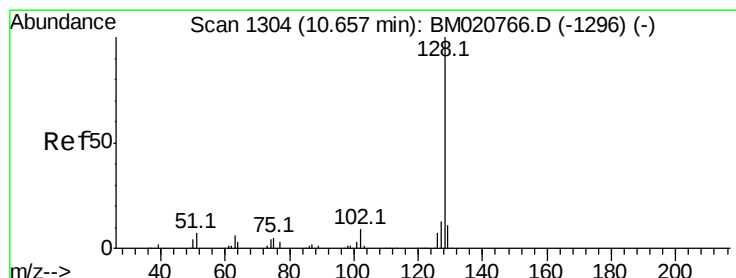
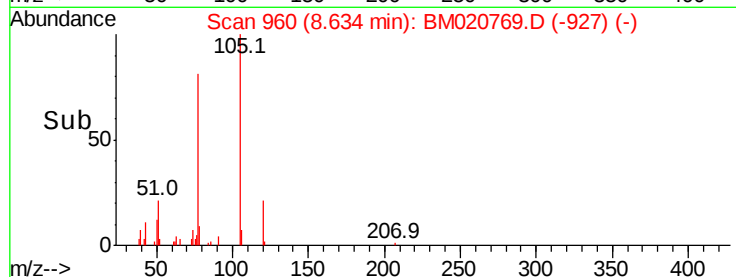
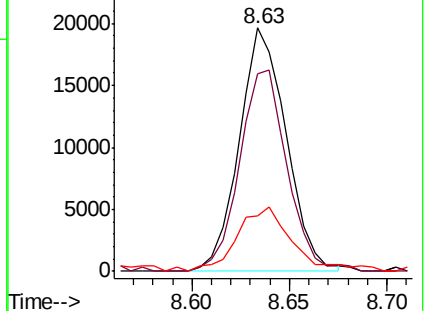
51 22.8 21.4 32.2



Abundance Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BM

Ion 51.00 (50.70 to 51.70): BM



#28

Naphthalene

Concen: 1.305 ng/ul

RT: 10.65 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BM020769.D

Acq: 06 Jun 2019 18:33

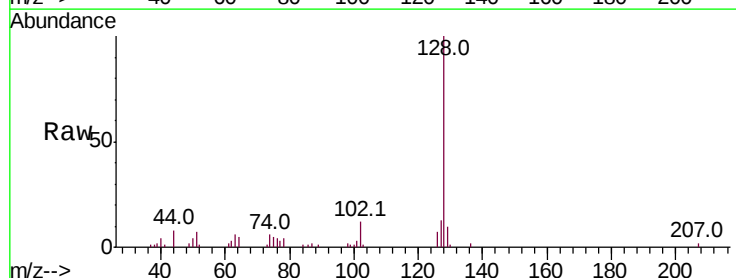
Tgt Ion:128 Resp: 65129

Ion Ratio Lower Upper

128 100

129 10.2 8.6 13.0

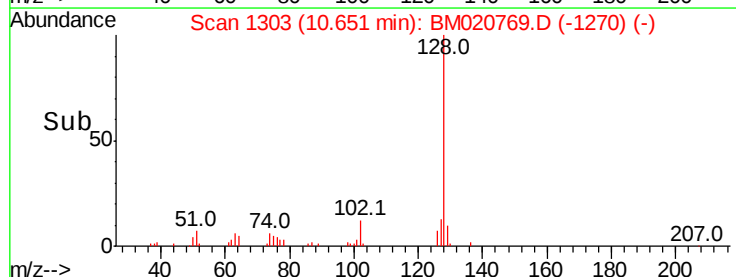
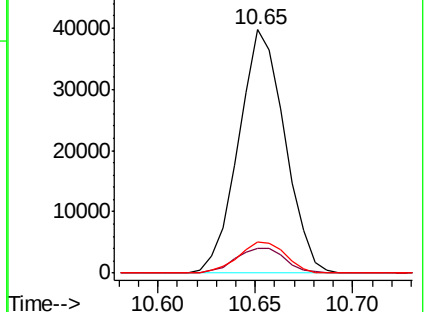
127 12.8 10.2 15.2

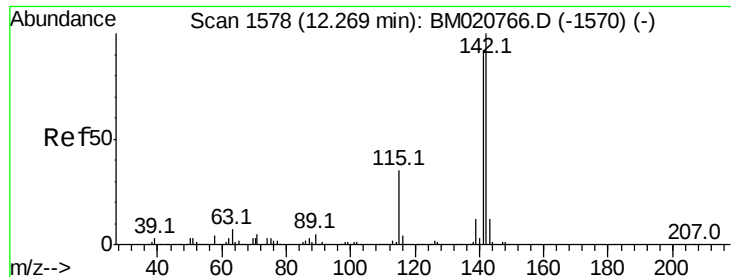


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

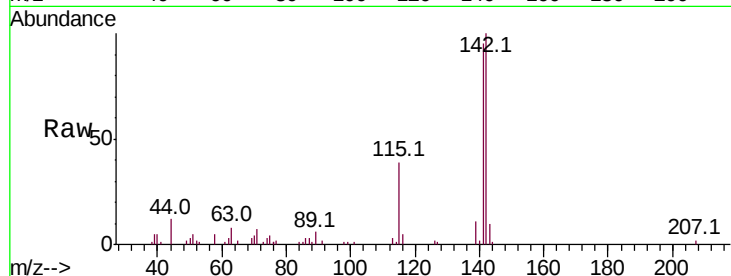




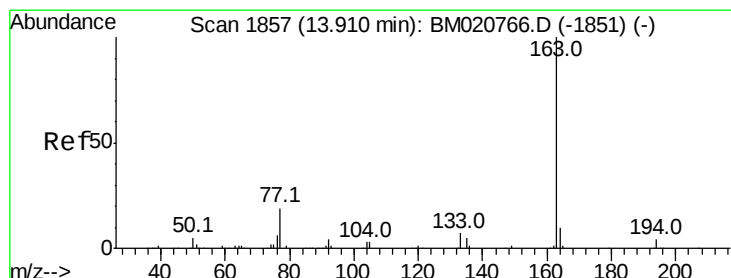
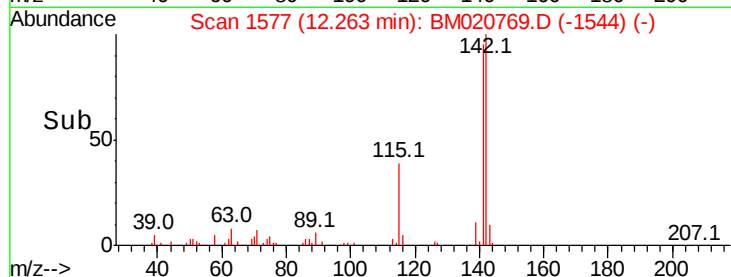
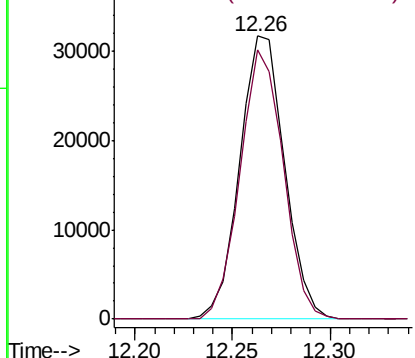
#34
2-Methylnaphthalene
Concen: 1.381 ng/ul
RT: 12.26 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BM020769.D
Acq: 06 Jun 2019 18:33

Instrument :
BNA_M
ClientSampleId :

Tot Ion:142 Resp: 50623
Ion Ratio Lower Upper
142 100
141 95.2 71.4 107.0

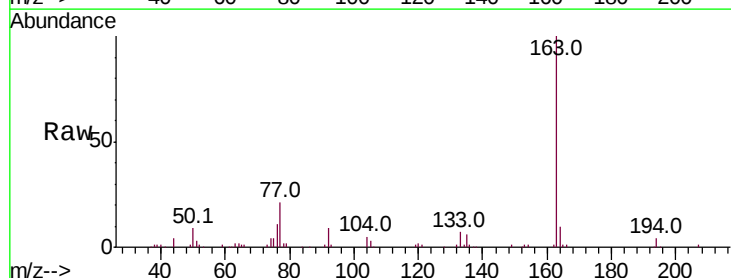


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E

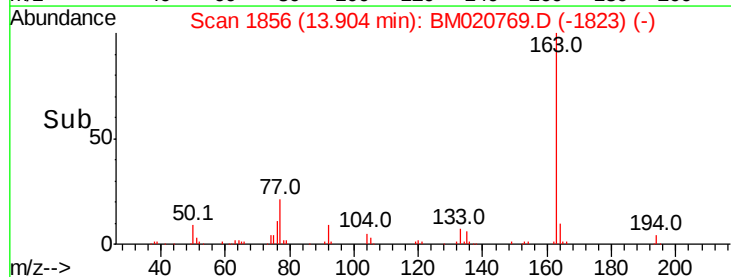
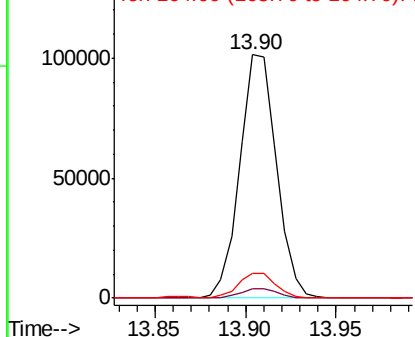


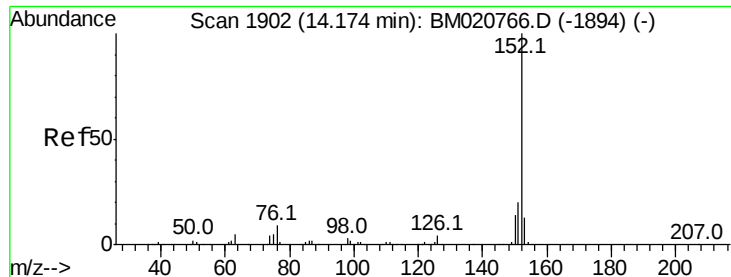
#44
Dimethylphthalate
Concen: 3.275 ng/ul
RT: 13.90 min Scan# 1856
Delta R.T. -0.01 min
Lab File: BM020769.D
Acq: 06 Jun 2019 18:33

Tgt Ion:163 Resp: 143029
Ion Ratio Lower Upper
163 100
194 4.0 3.2 4.8
164 10.3 8.0 12.0



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

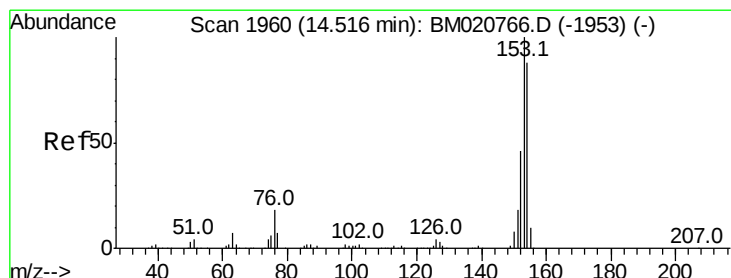
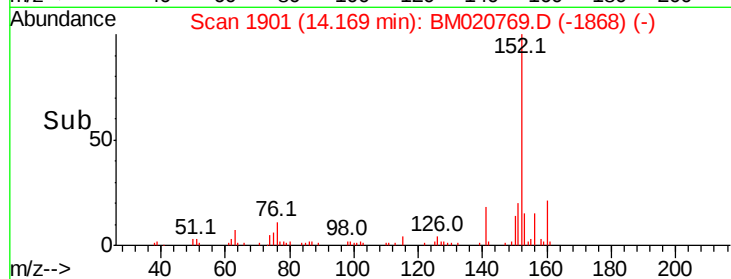
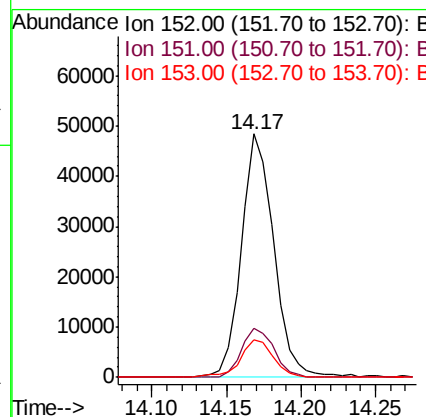
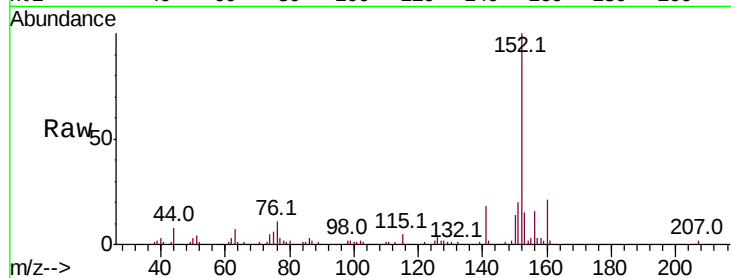




#47
Acenaphthylene
Concen: 1.365 ng/ul
RT: 14.17 min Scan# 1901
Delta R.T. -0.01 min
Lab File: BM020769.D
Acq: 06 Jun 2019 18:33

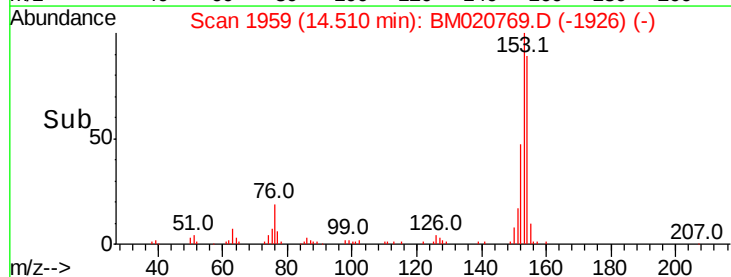
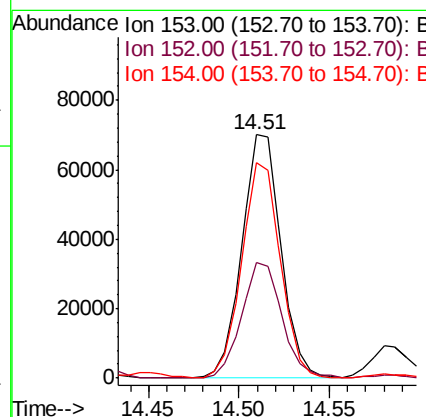
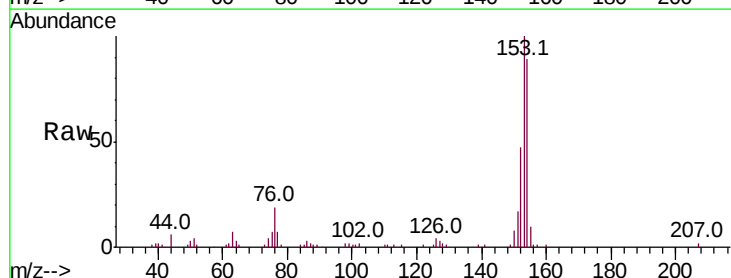
Instrument :
BNA_M
ClientSampleId :

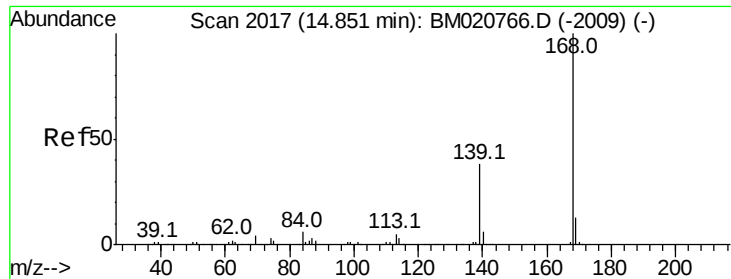
Tot Ion:152 Resp: 73040
Ion Ratio Lower Upper
152 100
151 20.2 16.2 24.2
153 15.3 10.6 15.8



#49
Acenaphthene
Concen: 2.817 ng/ul
RT: 14.51 min Scan# 1959
Delta R.T. -0.01 min
Lab File: BM020769.D
Acq: 06 Jun 2019 18:33

Tgt Ion:153 Resp: 105198
Ion Ratio Lower Upper
153 100
152 47.2 37.3 55.9
154 88.6 68.7 103.1

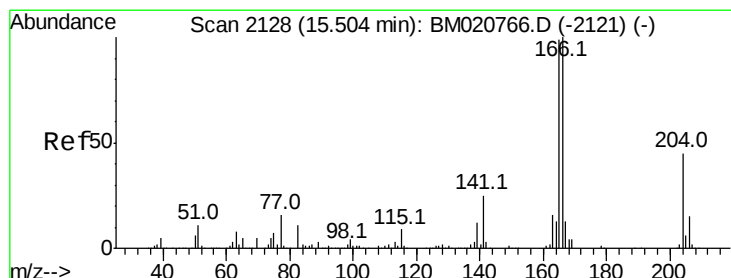
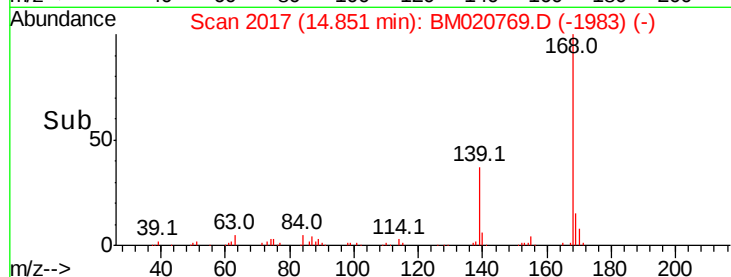
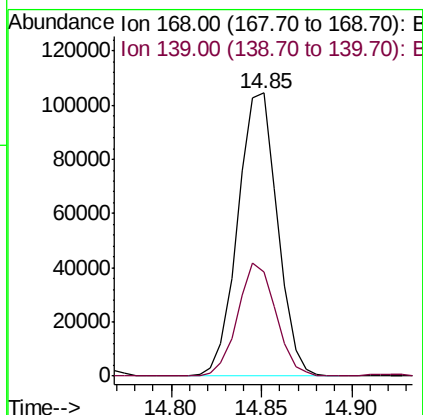
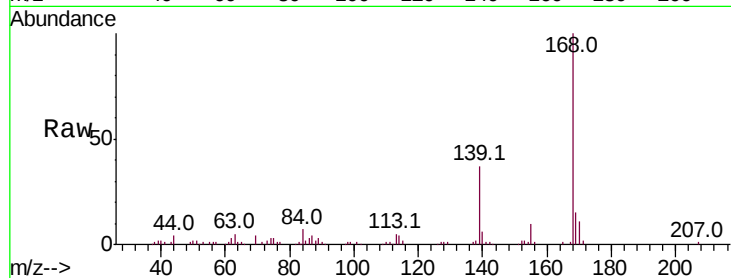




#53
Dibenzenofuran
Concen: 3.002 ng/ul
RT: 14.85 min Scan# 2017
Delta R.T. 0.00 min
Lab File: BM020769.D
Acq: 06 Jun 2019 18:33

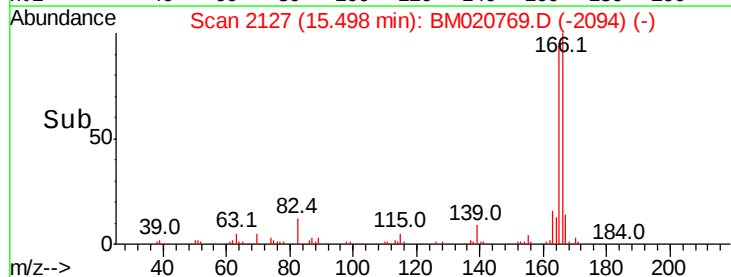
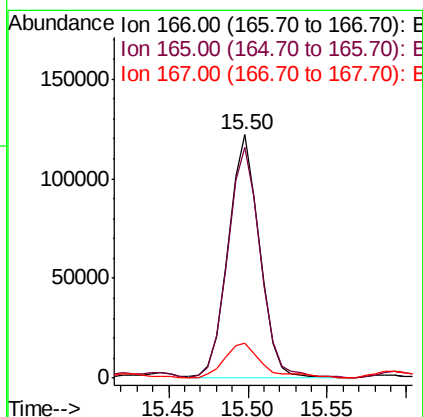
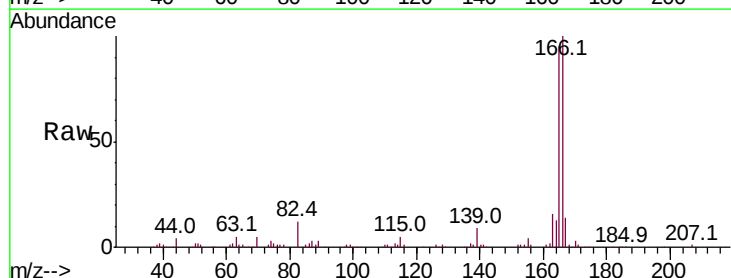
Instrument :
BNA_M
ClientSampled :

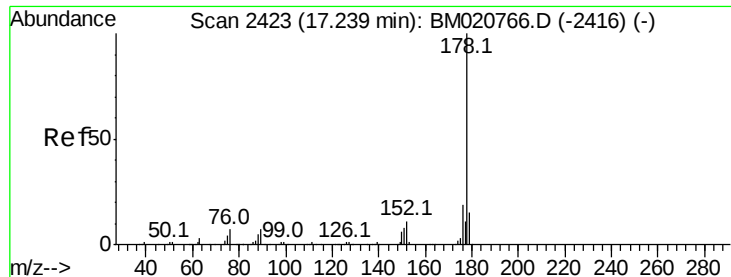
Tot Ion:168 Resp: 158598
Ion Ratio Lower Upper
168 100
139 37.0 30.4 45.6



#58
Fluorene
Concen: 3.954 ng/ul
RT: 15.50 min Scan# 2127
Delta R.T. -0.01 min
Lab File: BM020769.D
Acq: 06 Jun 2019 18:33

Tgt Ion:166 Resp: 167727
Ion Ratio Lower Upper
166 100
165 95.0 78.6 117.8
167 14.2 10.8 16.2





#69

Phenanthrene

Concen: 33.560 ng/ul

RT: 17.24 min Scan# 2423

Delta R.T. 0.00 min

Lab File: BM020769.D

Acq: 06 Jun 2019 18:33

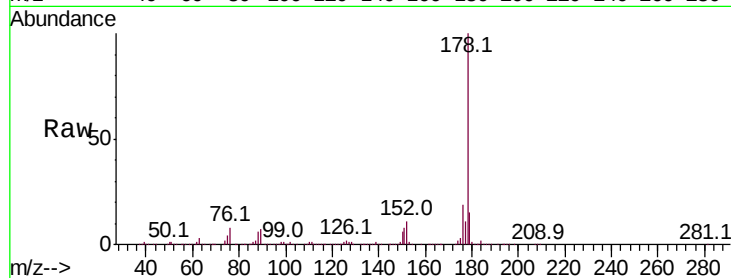
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 2159127

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.3	18.5
176	19.2	14.8	22.2

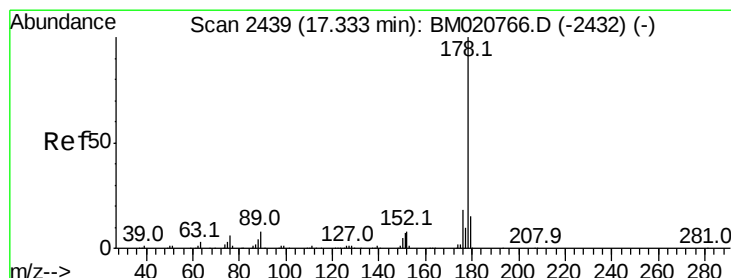
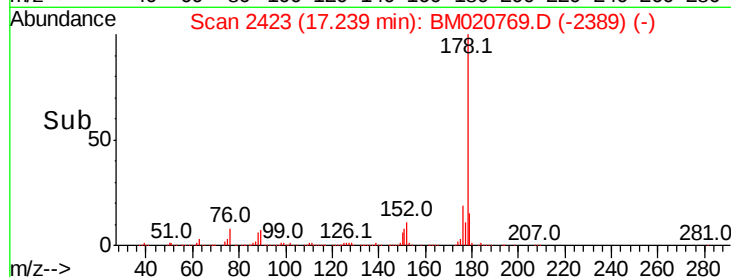
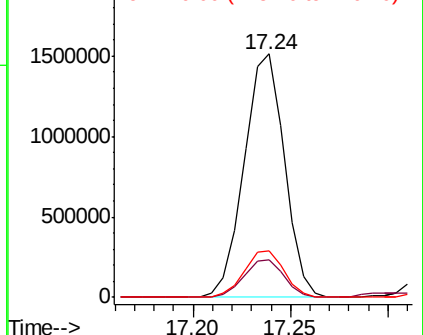


Abundance

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



#71

Anthracene

Concen: 8.693 ng/ul

RT: 17.33 min Scan# 2438

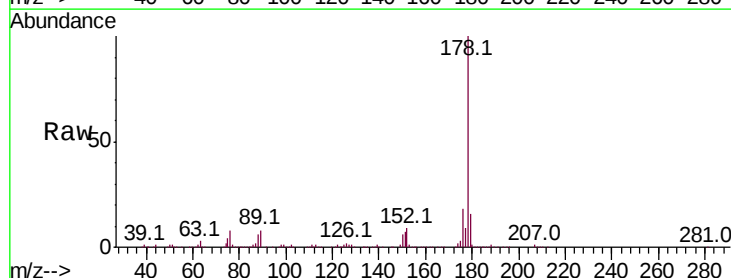
Delta R.T. -0.01 min

Lab File: BM020769.D

Acq: 06 Jun 2019 18:33

Tgt Ion:178 Resp: 573272

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.1	18.1
176	18.0	14.9	22.3

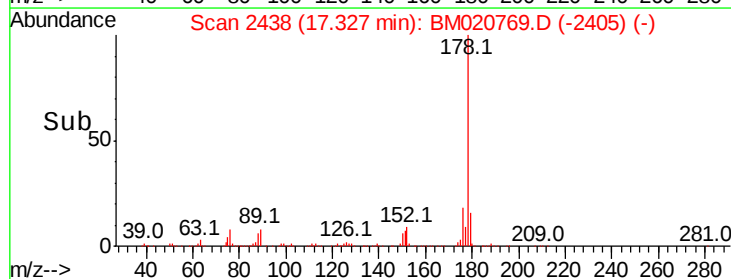
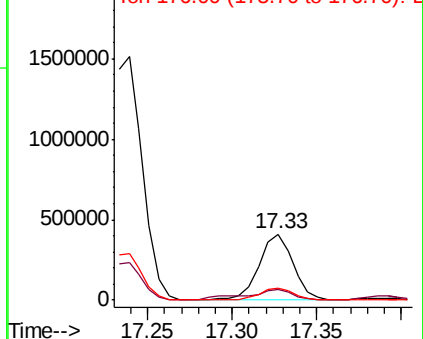


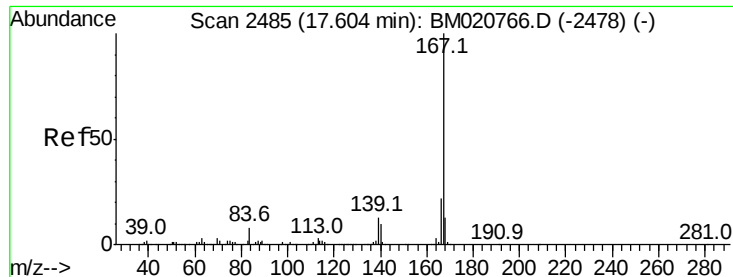
Abundance

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

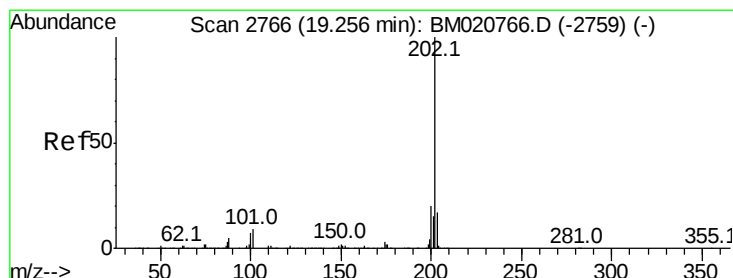
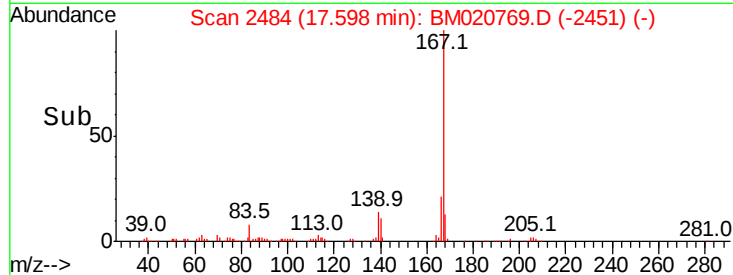
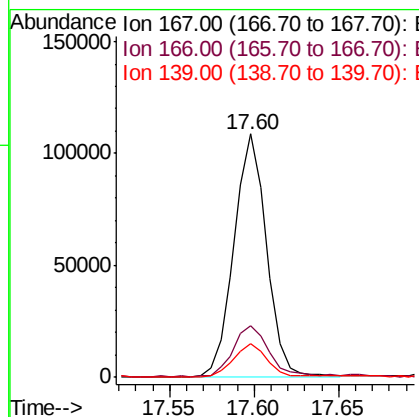
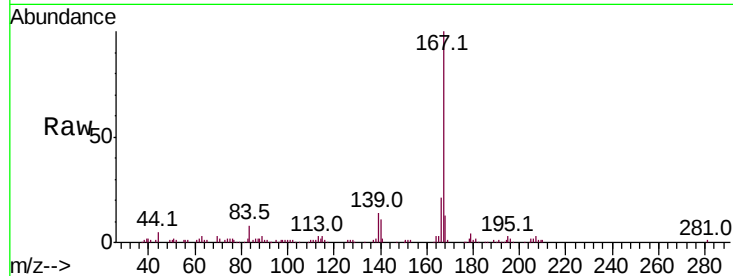




#74
 Carbazole
 Concen: 2.561 ng/ul
 RT: 17.60 min Scan# 2484
 Delta R.T. -0.01 min
 Lab File: BM020769.D
 Acq: 06 Jun 2019 18:33

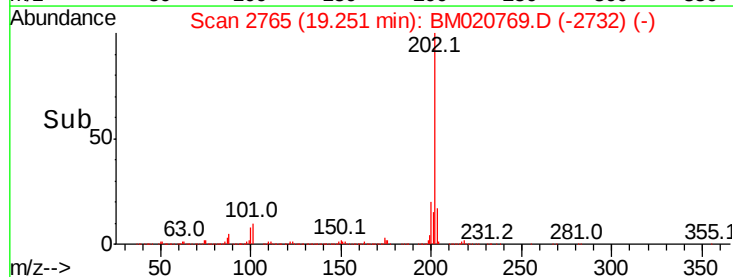
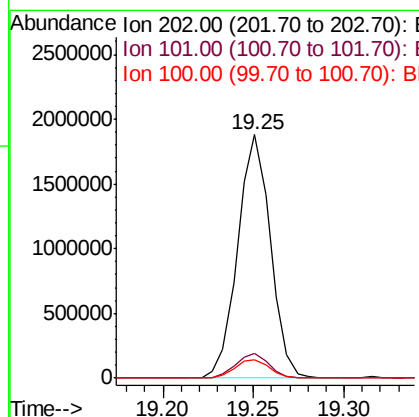
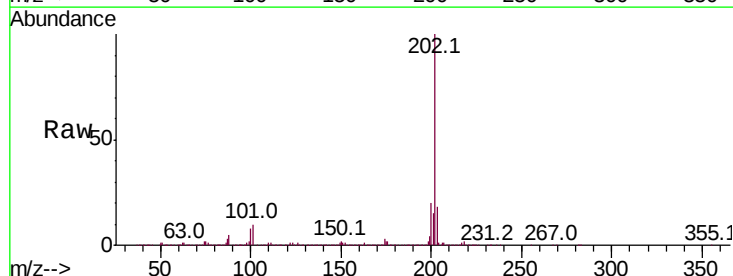
Instrument :
 BNA_M
 ClientSampleId :

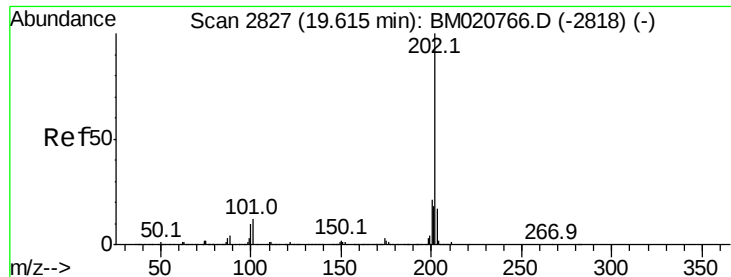
Tot Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.0	25.6
139	13.9	10.5	15.7



#76
 Fluoranthene
 Concen: 31.990 ng/ul
 RT: 19.25 min Scan# 2765
 Delta R.T. -0.01 min
 Lab File: BM020769.D
 Acq: 06 Jun 2019 18:33

Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.9	7.9	11.9
100	7.7	6.2	9.4

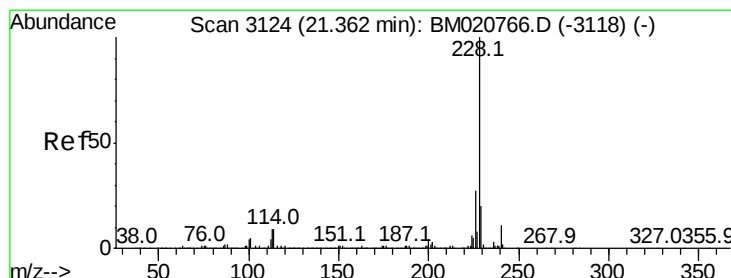
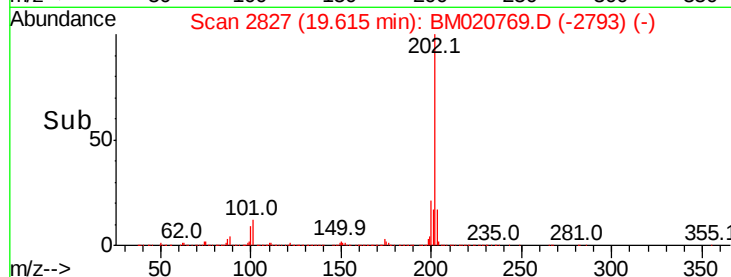
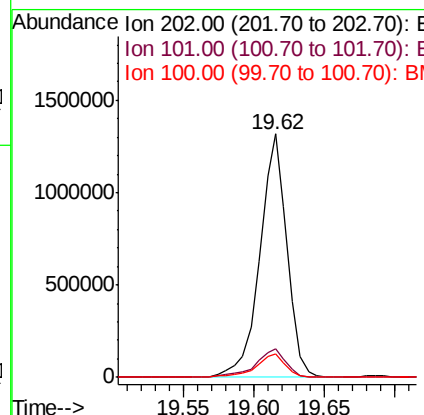
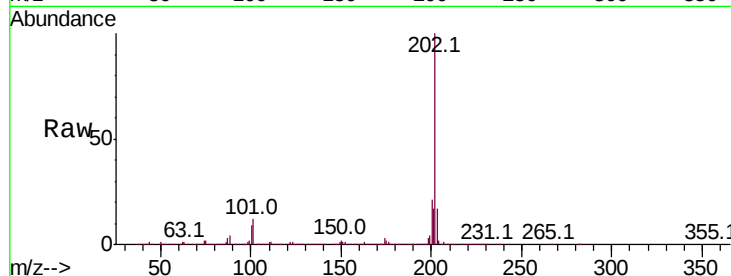




#79
Pvrene
Concen: 24.365 ng/ul
RT: 19.62 min Scan# 2827
Delta R.T. 0.00 min
Lab File: BM020769.D
Acq: 06 Jun 2019 18:33

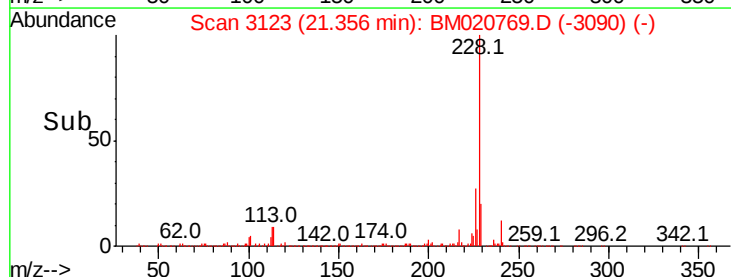
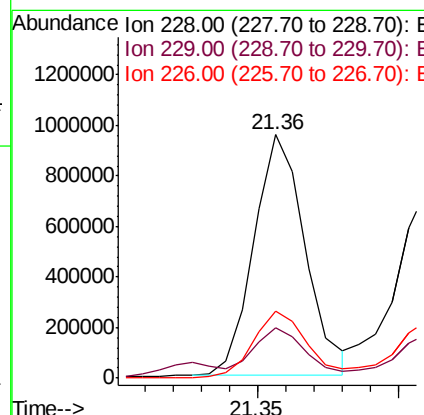
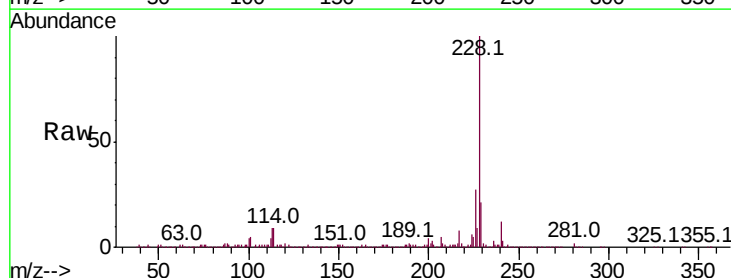
Instrument :
BNA_M
ClientSampleId :

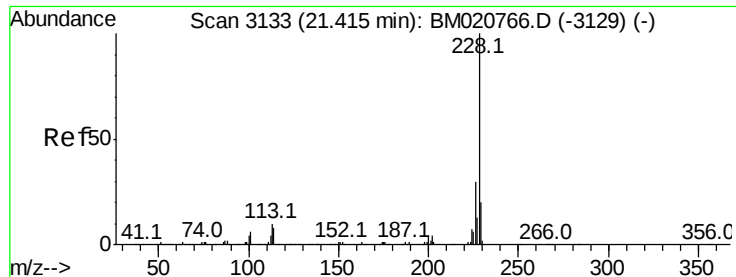
Tot Ion:202 Resp: 1770827
Ion Ratio Lower Upper
202 100
101 11.7 9.8 14.6
100 9.4 8.0 12.0



#82
Benzo(a)anthracene
Concen: 16.267 ng/ul
RT: 21.36 min Scan# 3123
Delta R.T. -0.01 min
Lab File: BM020769.D
Acq: 06 Jun 2019 18:33

Tgt Ion:228 Resp: 1194798
Ion Ratio Lower Upper
228 100
229 20.8 15.6 23.4
226 27.5 21.4 32.2





#84

Chrysene

Concen: 14.578 ng/ul

RT: 21.41 min Scan# 3132

Delta R.T. -0.01 min

Lab File: BM020769.D

Acq: 06 Jun 2019 18:33

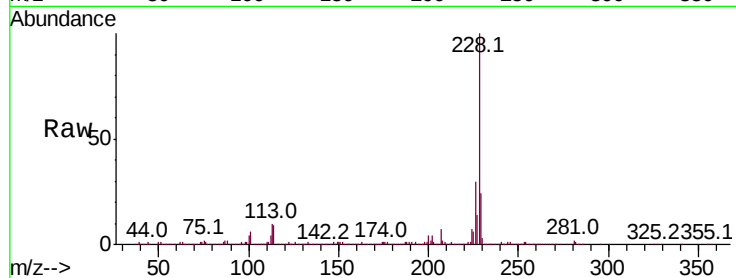
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 993511

Ion	Ratio	Lower	Upper
228	100		
226	29.7	24.4	36.6
229	23.5	16.2	24.2

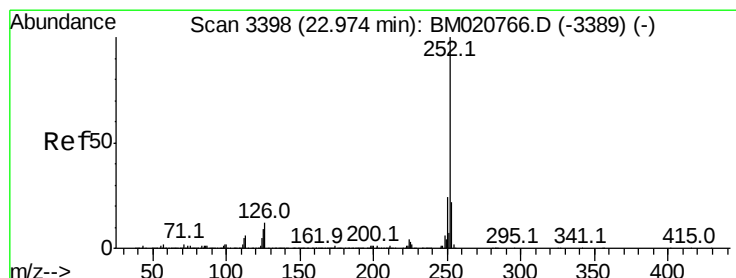
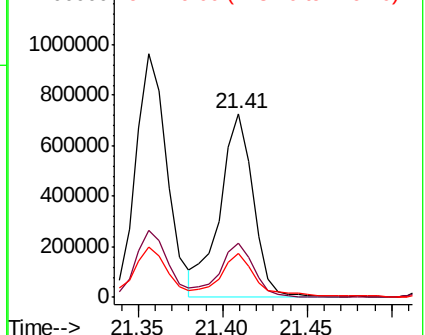
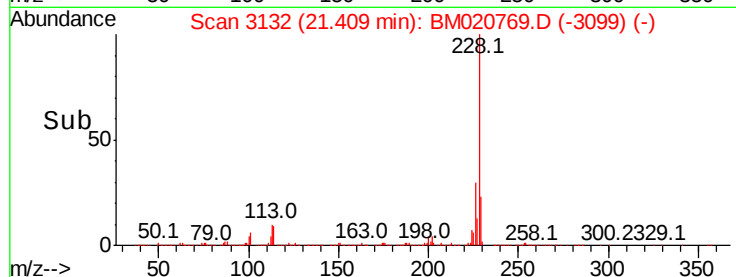


Abundance

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



#87

Benzo(b)fluoranthene

Concen: 15.062 ng/ul

RT: 22.97 min Scan# 3397

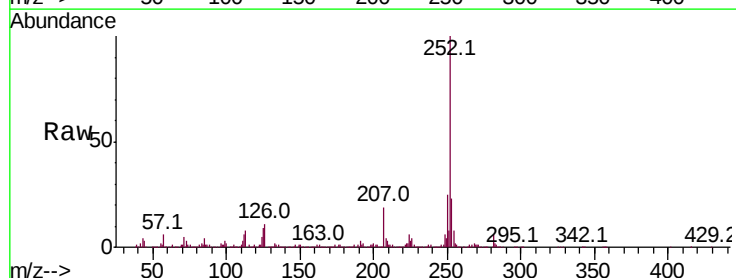
Delta R.T. -0.01 min

Lab File: BM020769.D

Acq: 06 Jun 2019 18:33

Tgt Ion:252 Resp: 1153674

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.6	26.4
125	9.5	7.3	10.9

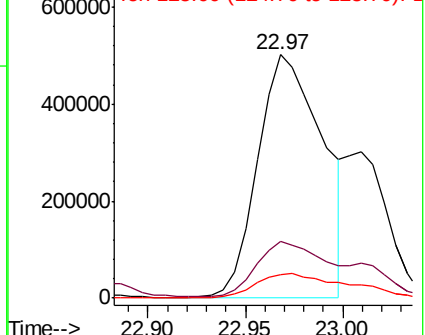
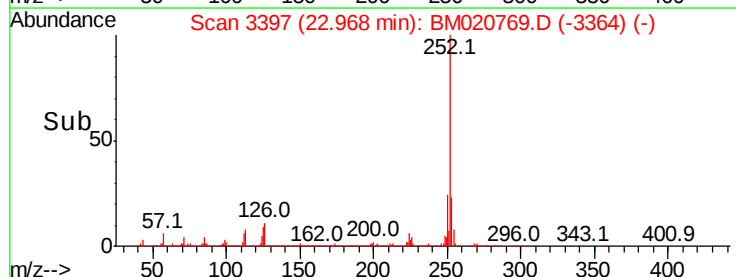


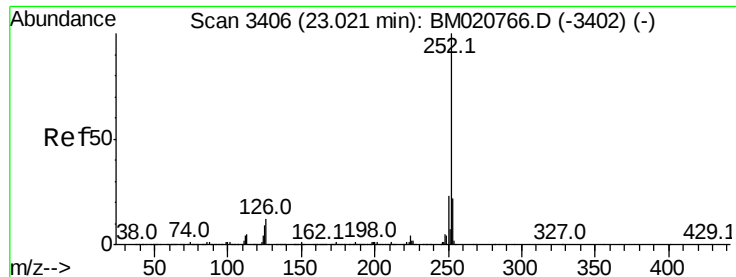
Abundance

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





#88

Benzo(k)fluoranthene

Concen: 15.758 ng/ul

RT: 22.97 min Scan# 3397

Delta R.T. -0.05 min

Lab File: BM020769.D

Acq: 06 Jun 2019 18:33

Instrument :

BNA_M

ClientSampleId :

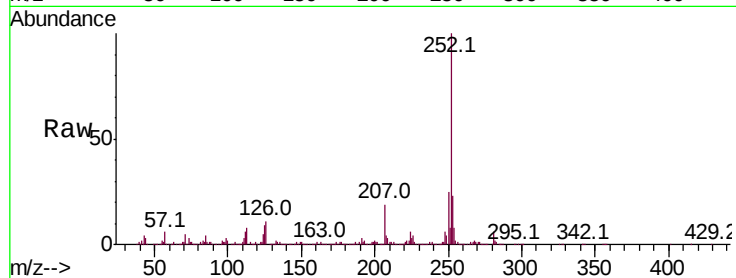
Tot Ion:252 Resp: 1153674

Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

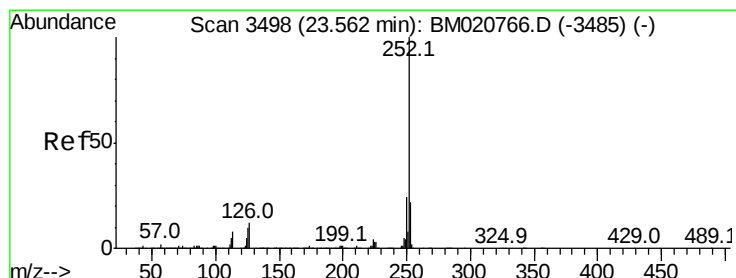
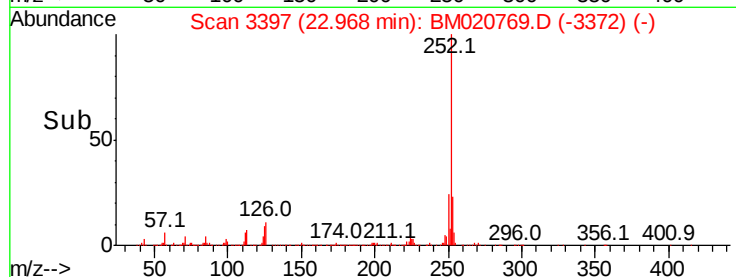
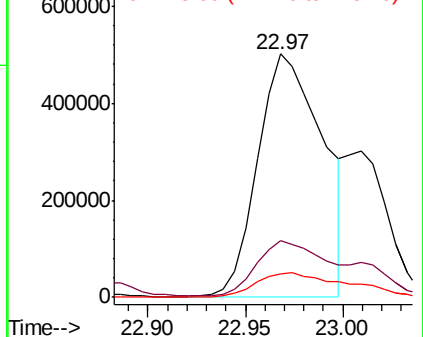
125 9.5 7.3 10.9



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



#90

Benzo(a)pyrene

Concen: 10.247 ng/ul

RT: 23.56 min Scan# 3497

Delta R.T. -0.01 min

Lab File: BM020769.D

Acq: 06 Jun 2019 18:33

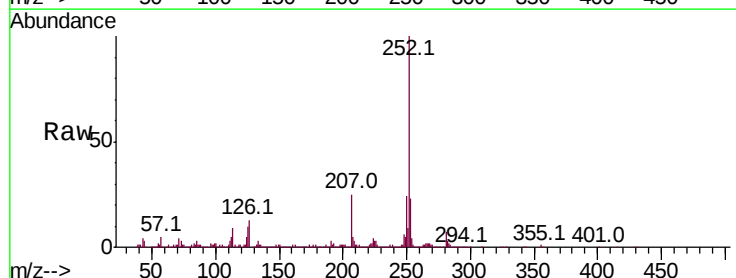
Tgt Ion:252 Resp: 746719

Ion Ratio Lower Upper

252 100

253 23.4 17.0 25.6

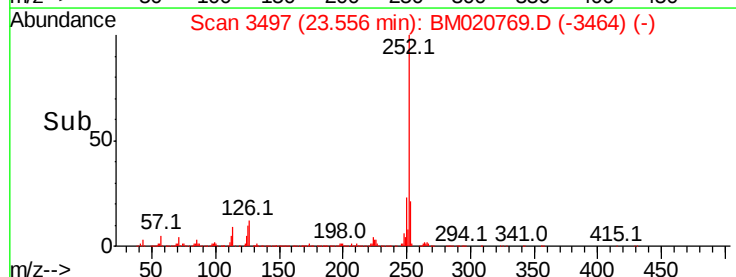
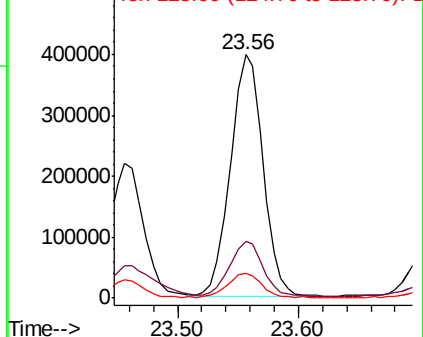
125 10.1 8.2 12.4

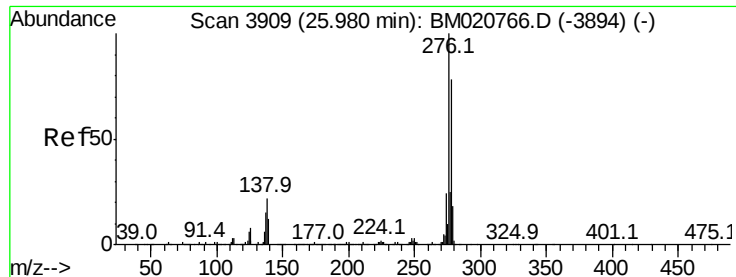


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Indeno(1,2,3-cd)pyrene

Concen: 5.127 ng/ul

RT: 25.96 min Scan# 3906

Delta R.T. -0.02 min

Lab File: BM020769.D

Acq: 06 Jun 2019 18:33

Instrument :

BNA_M

ClientSampleId :

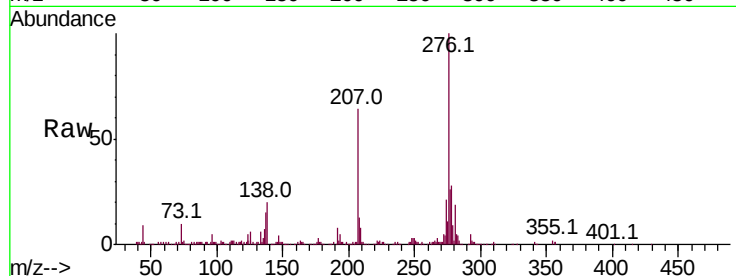
Tot Ion:276 Resp: 441290

Ion Ratio Lower Upper

276 100

138 20.1 17.8 26.8

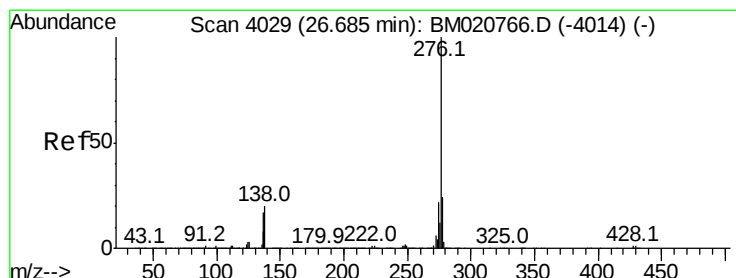
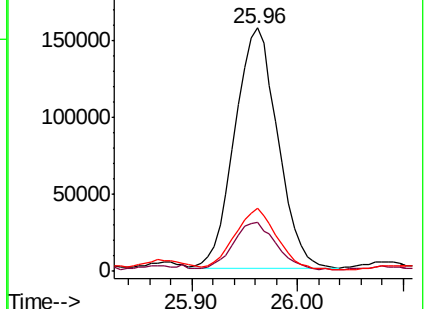
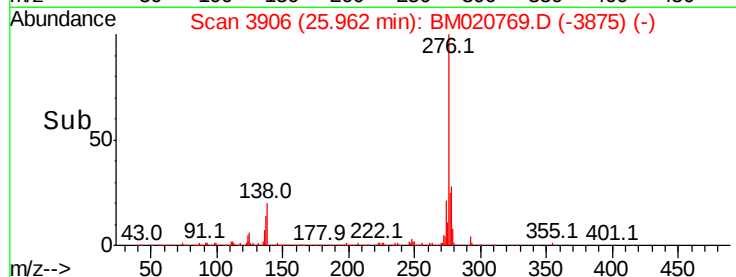
277 26.0 20.0 30.0



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

Benzo(g,h,i)perylene

Concen: 2.523 ng/ul

RT: 26.67 min Scan# 4027

Delta R.T. -0.01 min

Lab File: BM020769.D

Acq: 06 Jun 2019 18:33

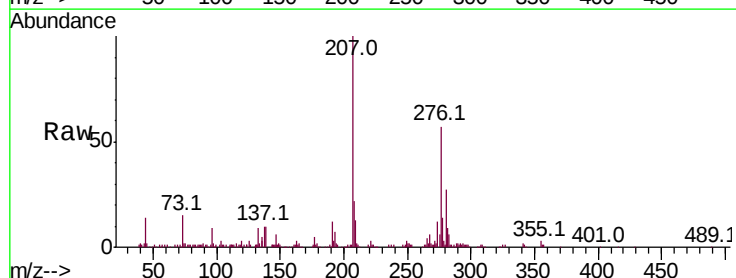
Tgt Ion:276 Resp: 176142

Ion Ratio Lower Upper

276 100

138 17.8 16.6 25.0

277 25.1 19.6 29.4



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

