

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM060719\
 Data File : BM020807.D
 Acq On : 07 Jun 2019 17:03
 Operator : HP/JU
 Sample : K3201-08DL 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AB9DL

Quant Time: Jun 08 00:25:53 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM060619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jun 08 00:20:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	333849	20.00	ng/ul	0.00
18) Naphthalene-d8	10.60	136	1345971	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.45	164	744505	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.20	188	1589340	20.00	ng/ul	0.00
77) Chrysene-d12	21.38	240	1375595	20.00	ng/ul	0.00
85) Perylene-d12	23.67	264	1607114	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.31	96	20662	2.95	ng/uL	0.00
5) Phenol-d5	6.97	99	346948	13.58	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	238243	15.56	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	330801	16.26	ng/ul	0.00
13) 4-Methylphenol-d8	8.51	113	282751	13.76	ng/ul	0.00
19) Nitrobenzene-d5	8.97	128	162194	17.66	ng/ul	0.00
22) 2-Nitrophenol-d4	9.69	143	176562	18.67	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.22	165	321295	16.29	ng/ul	0.00
29) 4-Chloroaniline-d4	10.75	131	260154	10.95	ng/ul	0.00
43) Dimethylphthalate-d6	13.86	166	1015549	18.44	ng/ul	0.00
46) Acenaphthylene-d8	14.14	160	1114269	15.96	ng/ul	0.00
51) 4-Nitrophenol-d4	14.64	143	103330	10.93	ng/ul	0.00
57) Fluorene-d10	15.44	176	783832	16.75	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.56	200	49914	6.14	ng/ul	0.00
70) Anthracene-d10	17.29	188	1199000	17.27	ng/ul	0.00
78) Pyrene-d10	19.59	212	1311592	19.73	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.52	264	1583795	21.68	ng/ul	0.00

Target Compounds

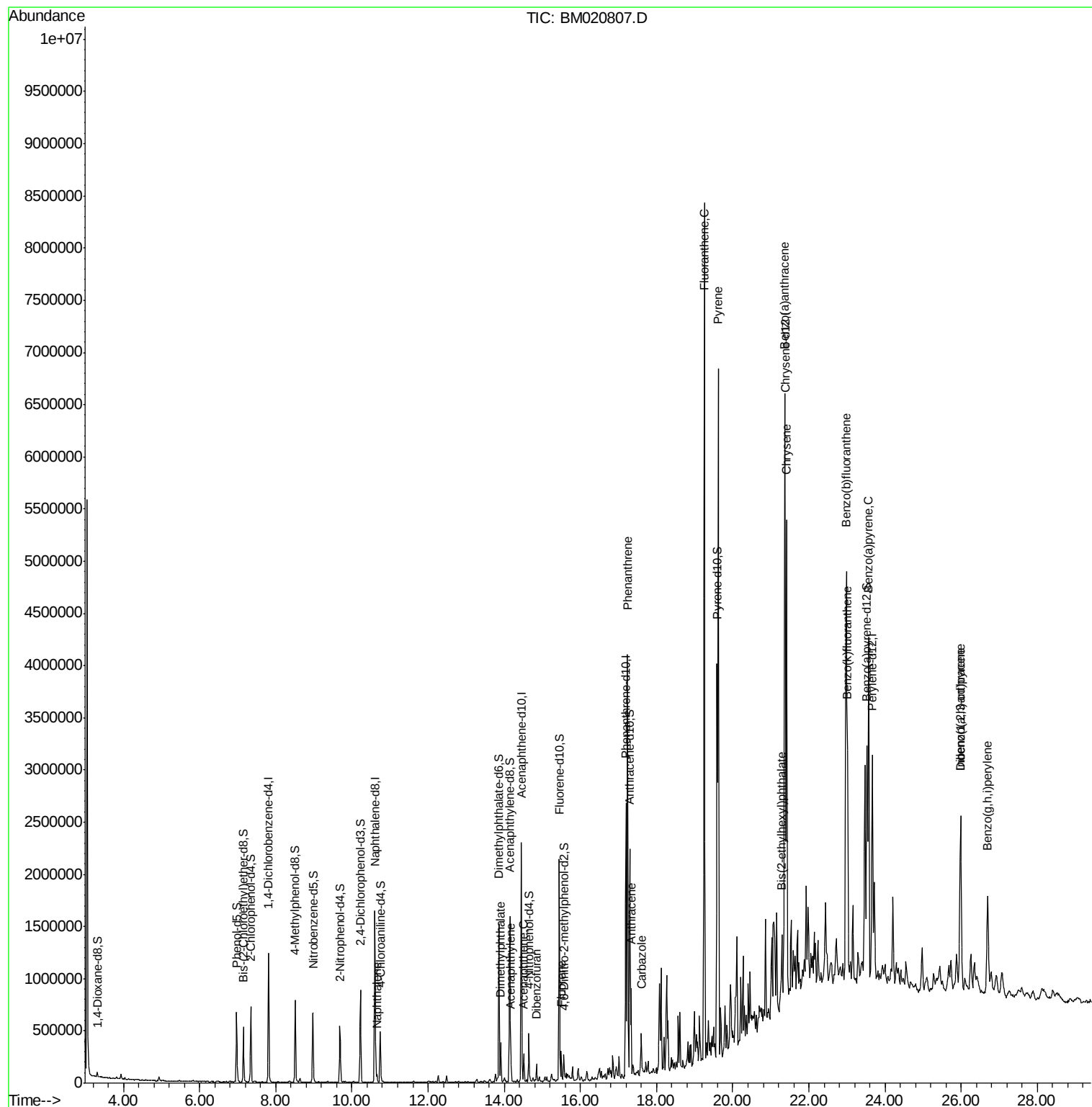
					Ovalue	
28) Naphthalene	10.65	128	64009	1.013	ng/ul	98
44) Dimethylphthalate	13.91	163	241798	4.385	ng/ul	99
47) Acenaphthylene	14.17	152	156556	2.317	ng/ul	99
49) Acenaphthene	14.52	153	111457	2.363	ng/ul	99
53) Dibenzofuran	14.85	168	81320	1.219	ng/ul	99
58) Fluorene	15.50	166	112900	2.108	ng/ul	96
69) Phenanthrene	17.24	178	2315513	28.948	ng/ul	99
71) Anthracene	17.33	178	510355	6.225	ng/ul	99
74) Carbazole	17.60	167	227169	3.186	ng/ul	99
76) Fluoranthene	19.26	202	4730055	51.602	ng/ul	99
79) Pyrene	19.62	202	4092120	48.192	ng/ul	97
82) Benzo(a)anthracene	21.36	228	2600230	30.302	ng/ul	98
83) Bis(2-ethylhexyl)phthalate	21.29	149	208225	3.568	ng/ul	100
84) Chrysene	21.42	228	2386751	29.975	ng/ul	98
87) Benzo(b)fluoranthene	22.98	252	3481069	37.234	ng/ul	98
88) Benzo(k)fluoranthene	23.02	252	1078189	12.066	ng/ul	97
90) Benzo(a)pyrene	23.57	252	2355582	26.484	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.98	276	1621812	15.438	ng/ul	96
92) Dibenzo(a,h)anthracene	25.99	278	455022	5.112	ng/ul#	83
93) Benzo(g,h,i)perylene	26.70	276	1190854	13.973	ng/ul	98

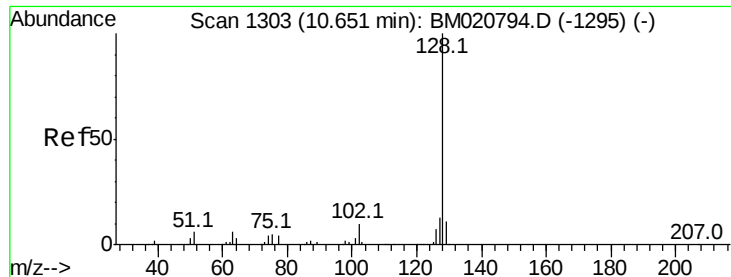
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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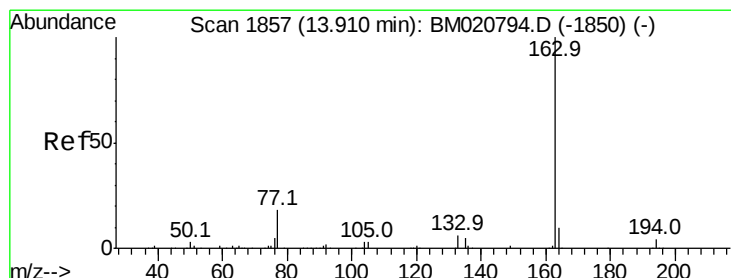
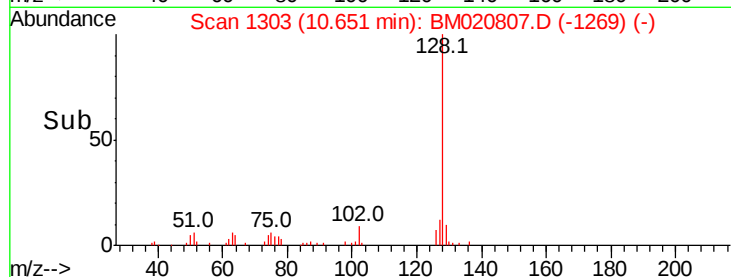
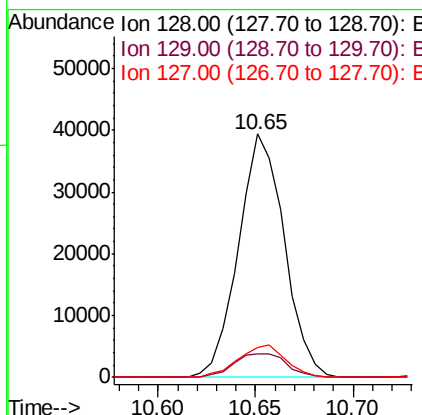
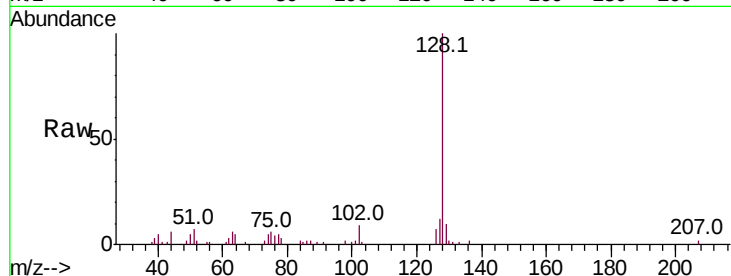




#28
Naphthalene
Concen: 1.013 ng/ul
RT: 10.65 min Scan# 1303
Delta R.T. -0.00 min
Lab File: BM020807.D
Acq: 07 Jun 2019 17:03

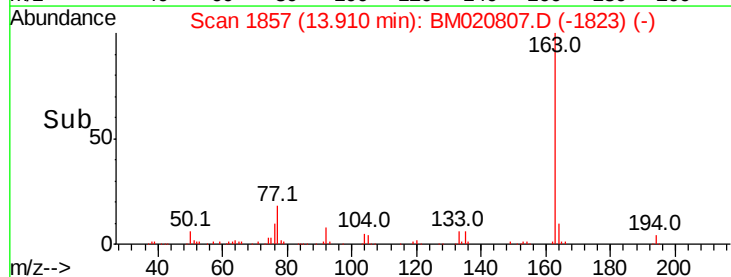
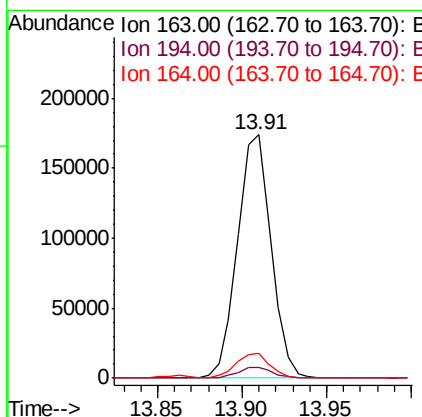
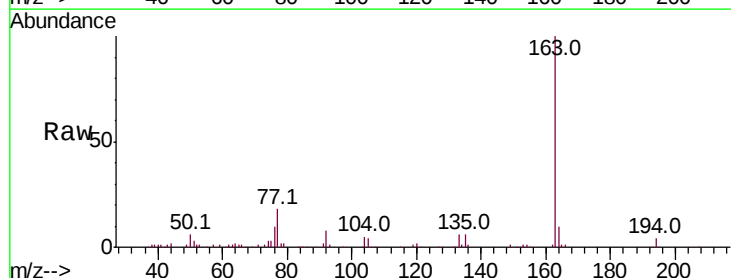
Instrument :
BNA_M
ClientSampled :
C0AB9DL

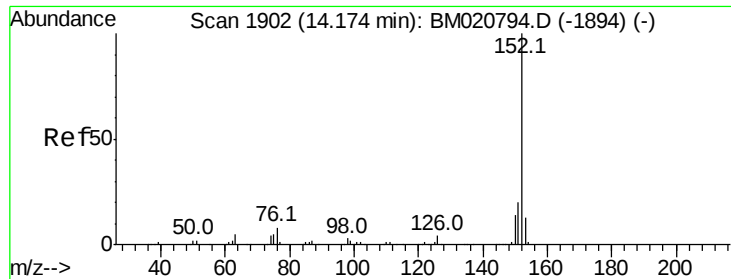
Tot Ion:128 Resp: 64009
Ion Ratio Lower Upper
128 100
129 9.7 8.6 13.0
127 12.4 10.2 15.2



#44
Dimethylphthalate
Concen: 4.385 ng/ul
RT: 13.91 min Scan# 1857
Delta R.T. -0.00 min
Lab File: BM020807.D
Acq: 07 Jun 2019 17:03

Tgt Ion:163 Resp: 241798
Ion Ratio Lower Upper
163 100
194 4.2 3.2 4.8
164 10.3 8.0 12.0





#47

Acenaphthylene

Concen: 2.317 ng/ul

RT: 14.17 min Scan# 1902

Delta R.T. -0.00 min

Lab File: BM020807.D

Acq: 07 Jun 2019 17:03

Instrument :

BNA_M

ClientSampleId :

C0AB9DL

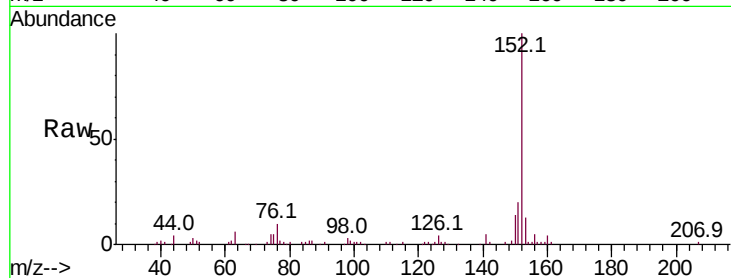
Tot Ion:152 Resp: 156556

Ion Ratio Lower Upper

152 100

151 20.3 16.2 24.2

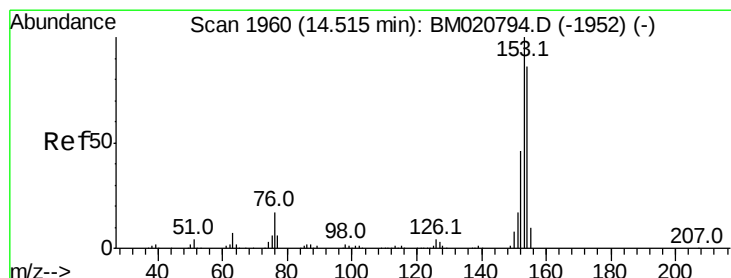
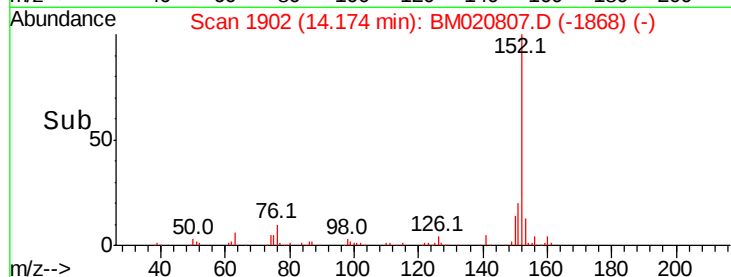
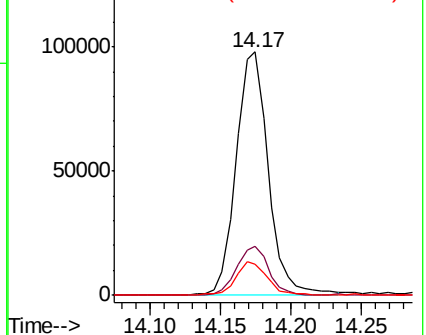
153 12.8 10.6 15.8



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: 2.363 ng/ul

RT: 14.52 min Scan# 1960

Delta R.T. -0.00 min

Lab File: BM020807.D

Acq: 07 Jun 2019 17:03

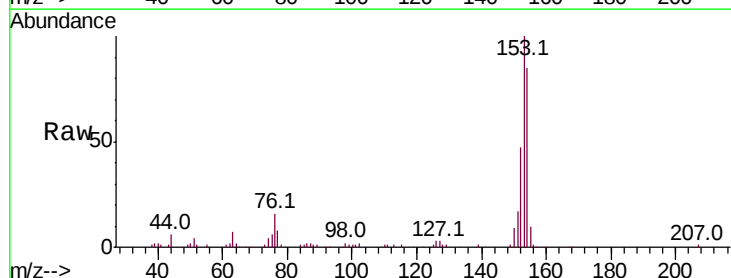
Tgt Ion:153 Resp: 111457

Ion Ratio Lower Upper

153 100

152 46.8 37.3 55.9

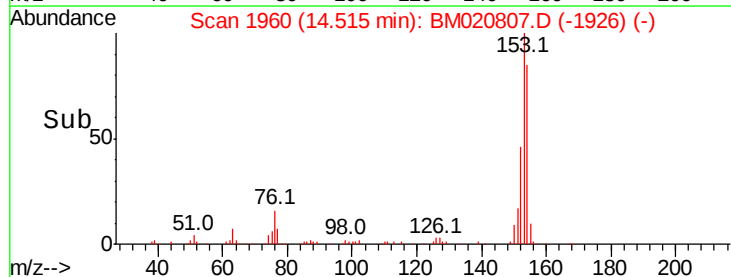
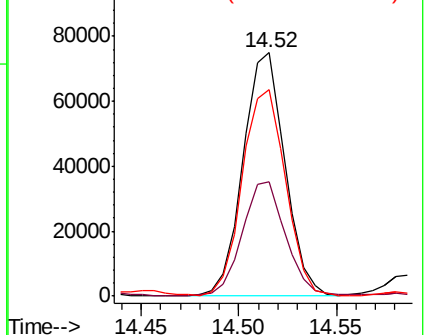
154 84.7 68.7 103.1

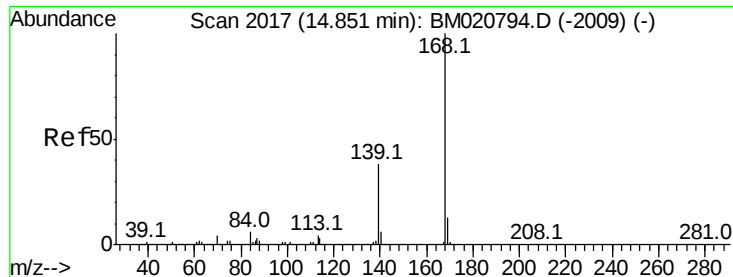


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzenofuran

Concen: 1.219 ng/ul

RT: 14.85 min Scan# 2017

Delta R.T. -0.00 min

Lab File: BM020807.D

Acq: 07 Jun 2019 17:03

Instrument :

BNA_M

ClientSampleId :

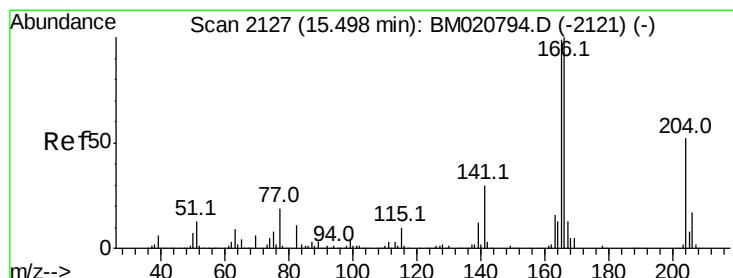
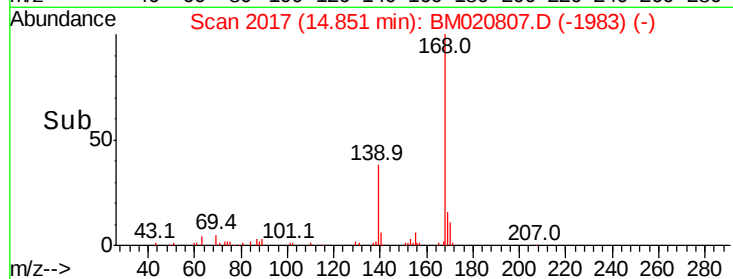
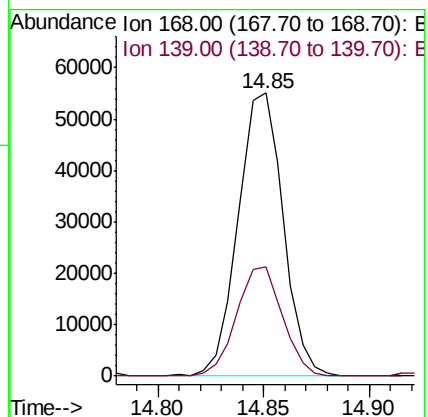
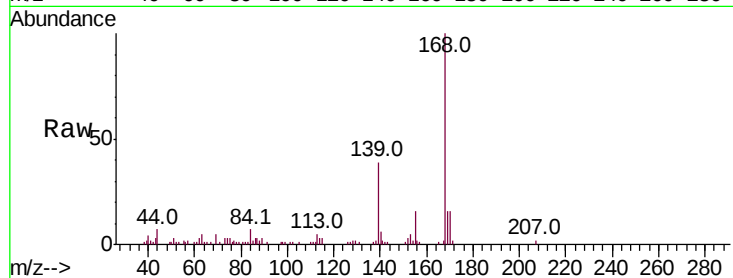
C0AB9DL

Tot Ion:168 Resp: 81320

Ion Ratio Lower Upper

168 100

139 38.7 30.4 45.6



#58

Fluorene

Concen: 2.108 ng/ul

RT: 15.50 min Scan# 2127

Delta R.T. -0.00 min

Lab File: BM020807.D

Acq: 07 Jun 2019 17:03

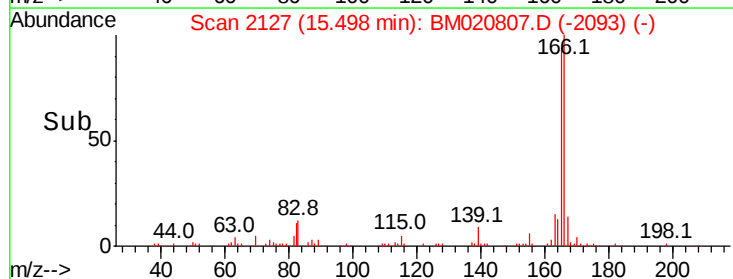
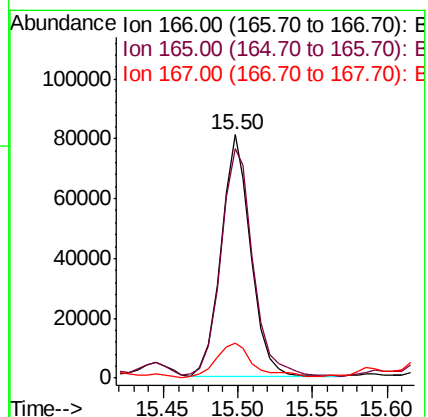
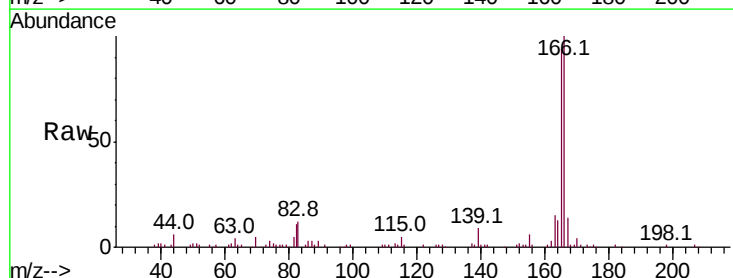
Tgt Ion:166 Resp: 112900

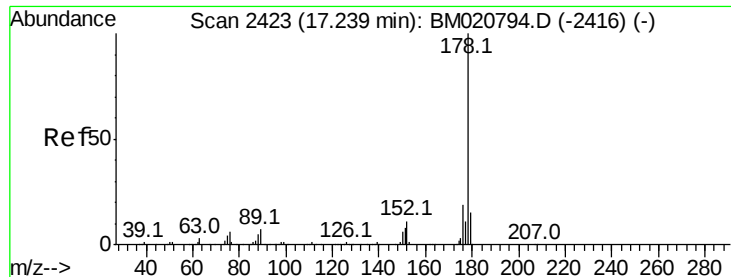
Ion Ratio Lower Upper

166 100

165 94.4 78.6 117.8

167 14.4 10.8 16.2





#69

Phenanthrene

Concen: 28.948 ng/ul

RT: 17.24 min Scan# 2423

Delta R.T. -0.00 min

Lab File: BM020807.D

Acq: 07 Jun 2019 17:03

Instrument :

BNA_M

ClientSampleId :

C0AB9DL

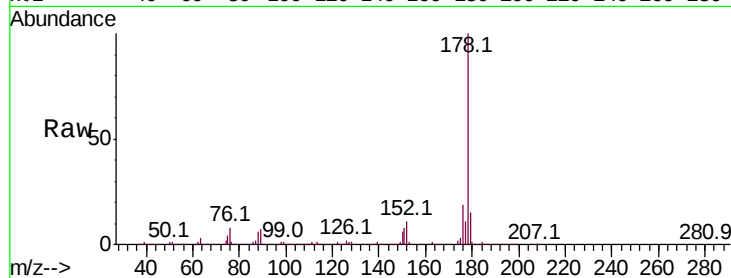
Tot Ion:178 Resp: 2315513

Ion Ratio Lower Upper

178 100

179 15.3 12.3 18.5

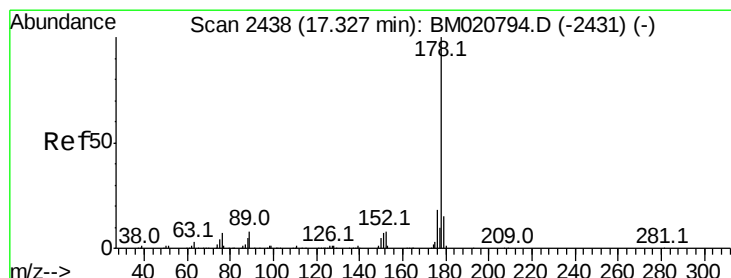
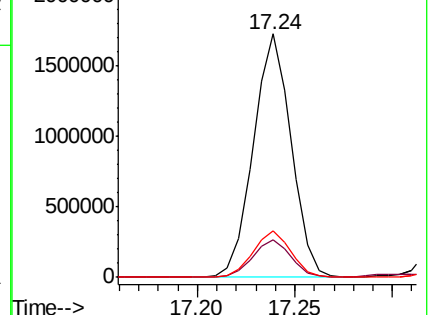
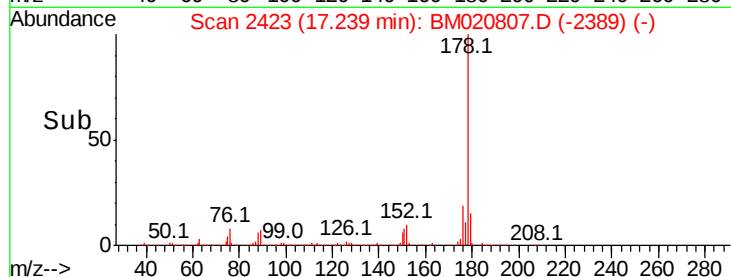
176 18.9 14.8 22.2



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: 6.225 ng/ul

RT: 17.33 min Scan# 2438

Delta R.T. -0.00 min

Lab File: BM020807.D

Acq: 07 Jun 2019 17:03

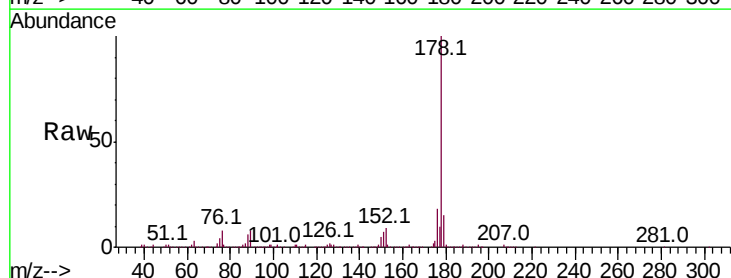
Tgt Ion:178 Resp: 510355

Ion Ratio Lower Upper

178 100

179 14.8 12.1 18.1

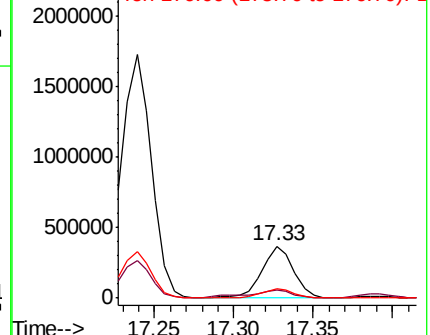
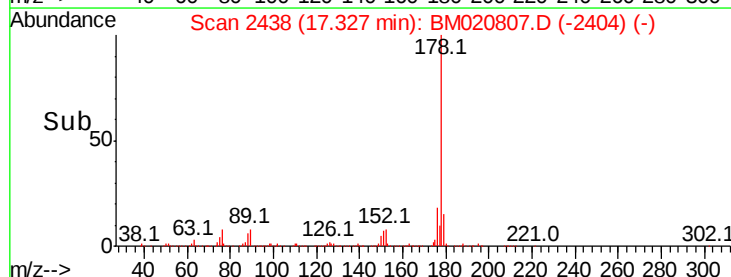
176 18.4 14.9 22.3

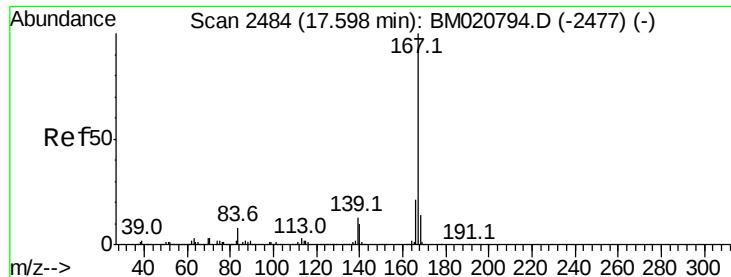


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Carbazole

Concen: 3.186 ng/ul

RT: 17.60 min Scan# 2484

Delta R.T. -0.00 min

Lab File: BM020807.D

Acq: 07 Jun 2019 17:03

Instrument :

BNA_M

ClientSampleId :

C0AB9DL

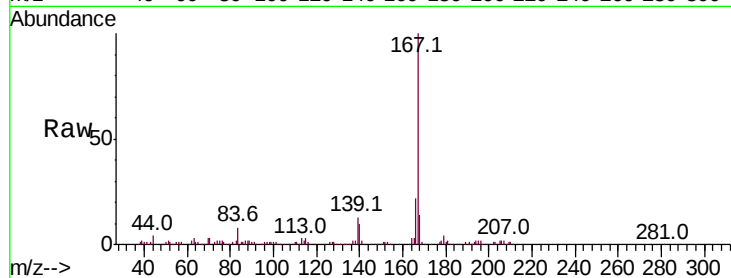
Tot Ion:167 Resp: 227169

Ion Ratio Lower Upper

167 100

166 22.0 17.0 25.6

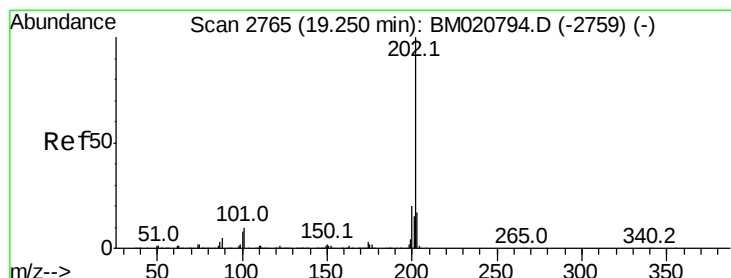
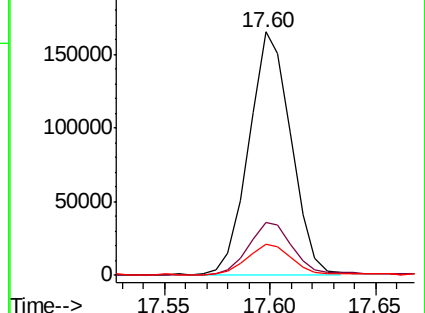
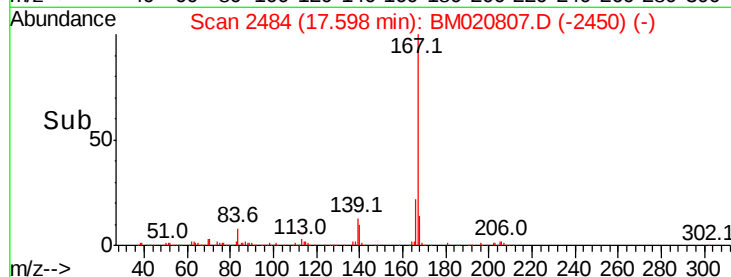
139 12.9 10.5 15.7



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



#76

Fluoranthene

Concen: 51.602 ng/ul

RT: 19.26 min Scan# 2766

Delta R.T. 0.01 min

Lab File: BM020807.D

Acq: 07 Jun 2019 17:03

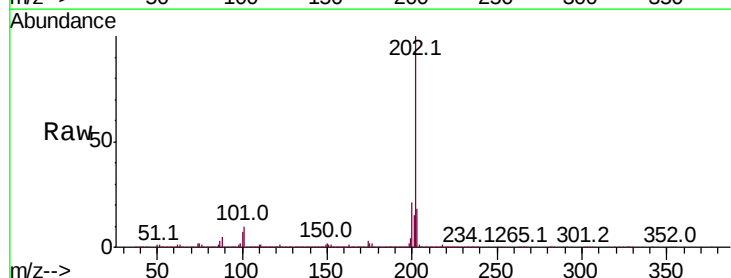
Tgt Ion:202 Resp: 4730055

Ion Ratio Lower Upper

202 100

101 9.7 7.9 11.9

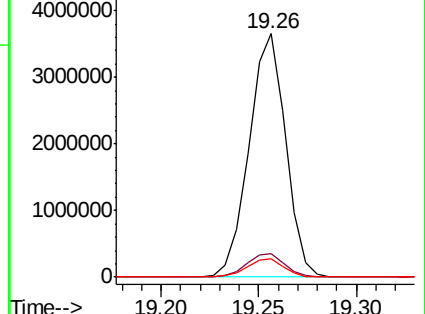
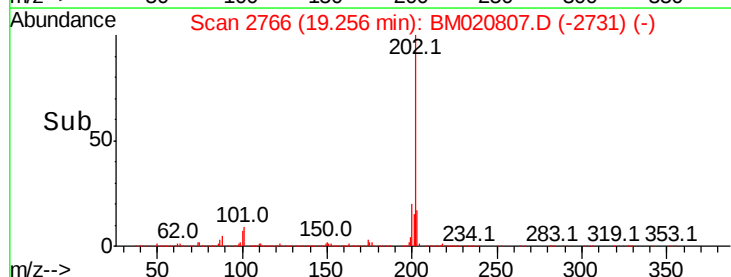
100 7.5 6.2 9.4

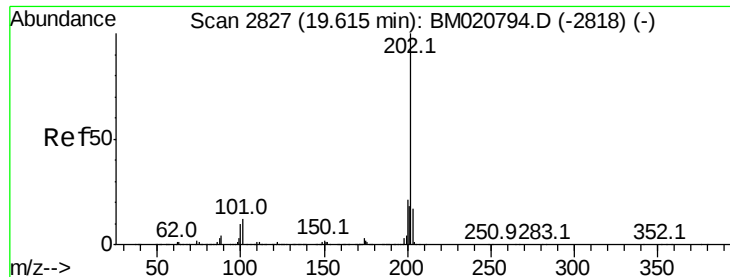


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

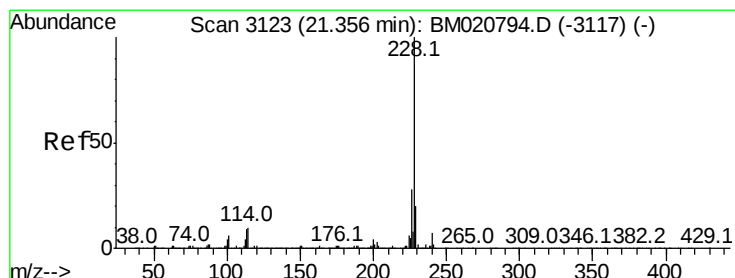
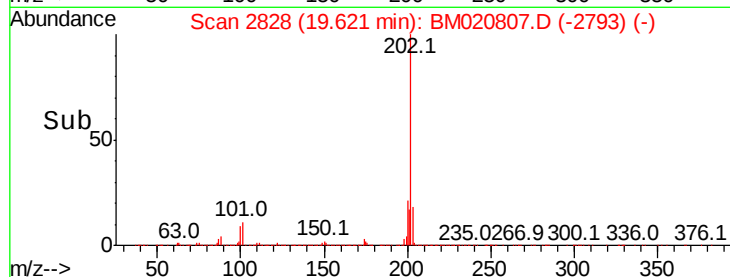
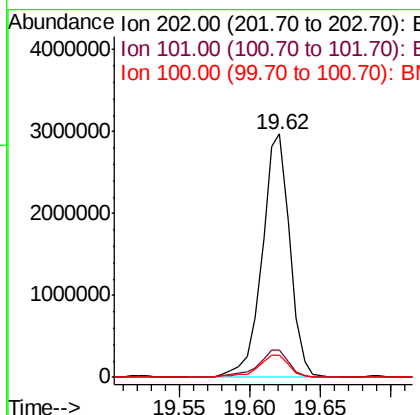
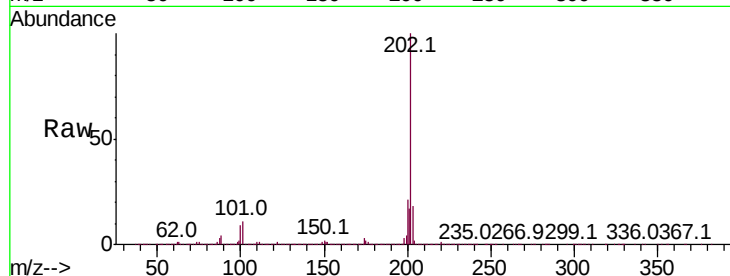




#79
Pvrene
Concen: 48.192 ng/ul
RT: 19.62 min Scan# 2828
Delta R.T. 0.01 min
Lab File: BM020807.D
Acq: 07 Jun 2019 17:03

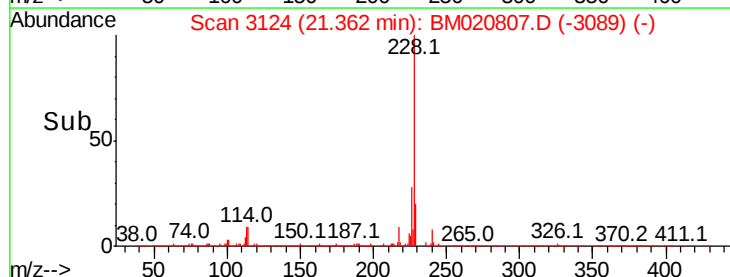
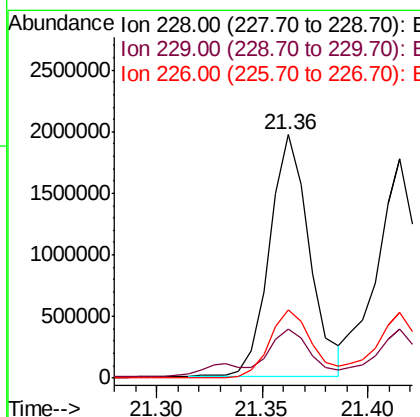
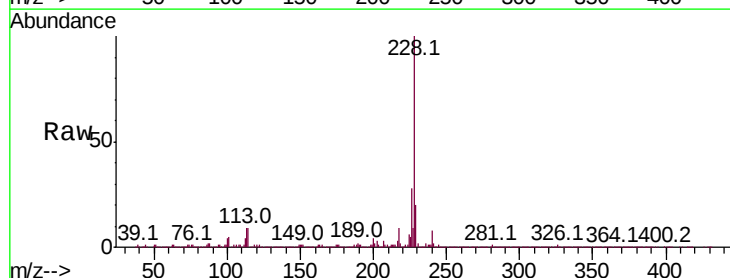
Instrument :
BNA_M
ClientSampleId :
C0AB9DL

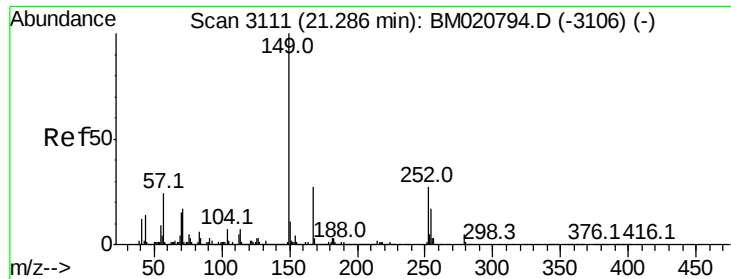
Tot Ion:202 Resp: 4092120
Ion Ratio Lower Upper
202 100
101 11.1 9.8 14.6
100 9.2 8.0 12.0



#82
Benzo(a)anthracene
Concen: 30.302 ng/ul
RT: 21.36 min Scan# 3124
Delta R.T. 0.01 min
Lab File: BM020807.D
Acq: 07 Jun 2019 17:03

Tgt Ion:228 Resp: 2600230
Ion Ratio Lower Upper
228 100
229 20.3 15.6 23.4
226 28.2 21.4 32.2

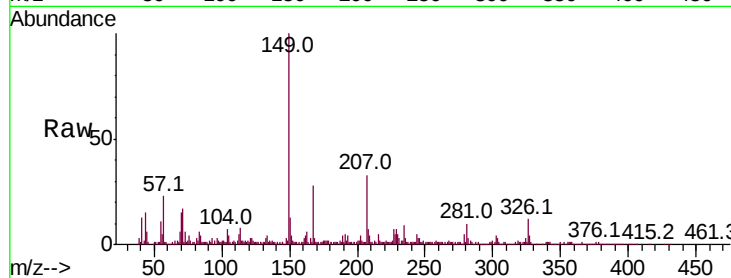




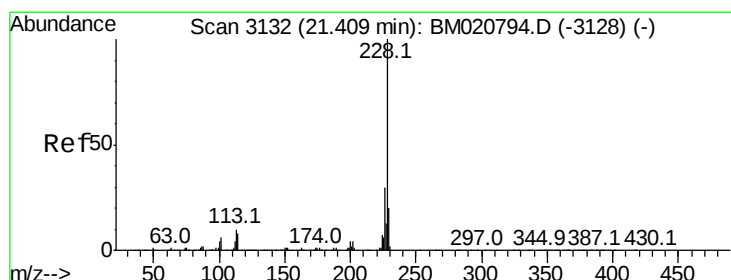
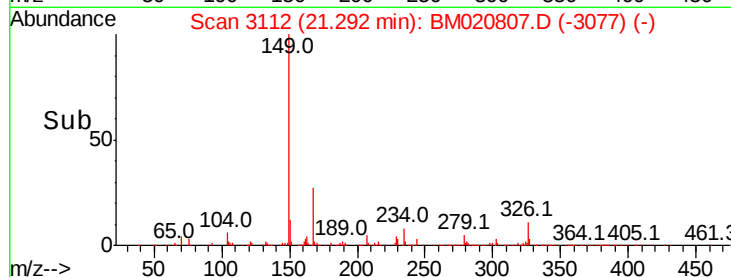
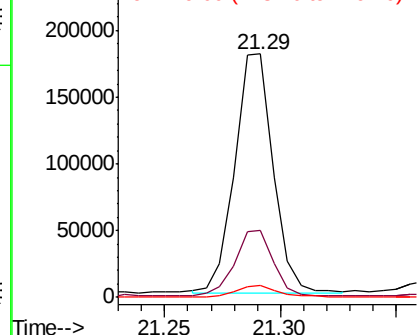
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 3.568 ng/ul
 RT: 21.29 min Scan# 3112
 Delta R.T. 0.01 min
 Lab File: BM020807.D
 Acq: 07 Jun 2019 17:03

Instrument :
 BNA_M
 ClientSampleId :
 C0AB9DL

Tot Ion	Ratio	Lower	Upper
149	100		
167	27.6	21.9	32.9
279	5.0	4.1	6.1

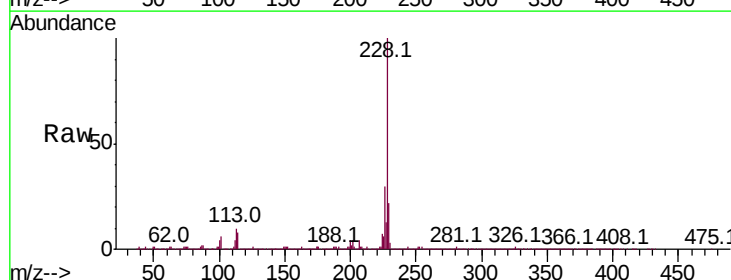


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

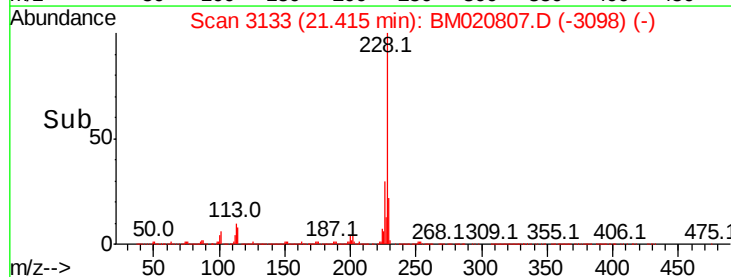
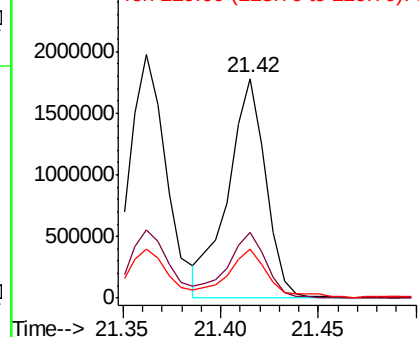


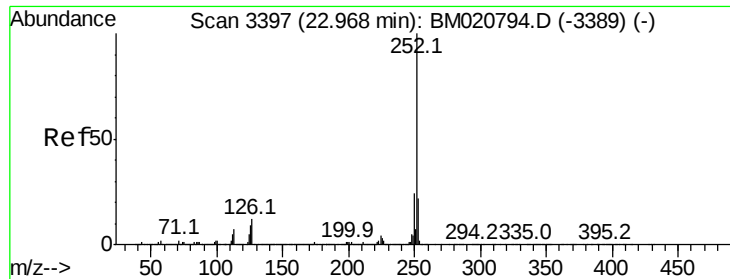
#84
 Chrysene
 Concen: 29.975 ng/ul
 RT: 21.42 min Scan# 3133
 Delta R.T. 0.01 min
 Lab File: BM020807.D
 Acq: 07 Jun 2019 17:03

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.4	36.6
229	22.1	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: 37.234 ng/ul

RT: 22.98 min Scan# 3399

Delta R.T. 0.01 min

Lab File: BM020807.D

Acq: 07 Jun 2019 17:03

Instrument :

BNA_M

ClientSampleId :

C0AB9DL

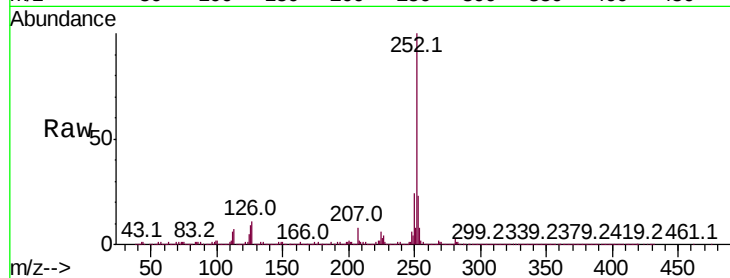
Tot Ion:252 Resp: 3481069

Ion Ratio Lower Upper

252 100

253 23.3 17.6 26.4

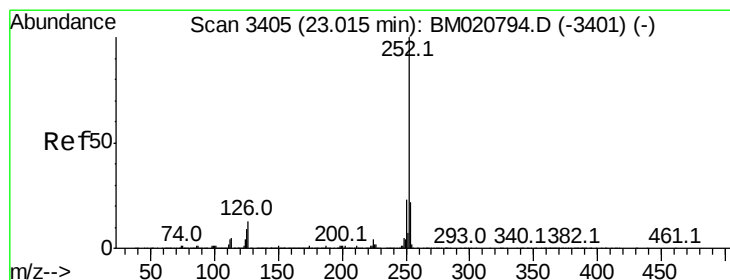
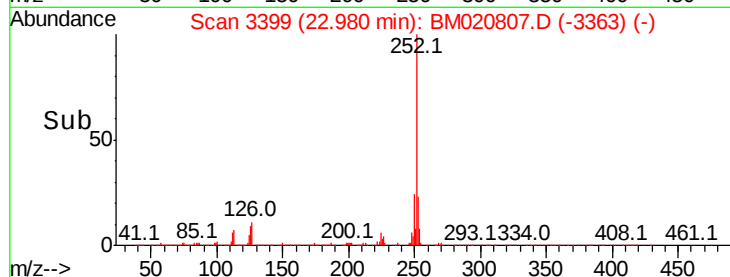
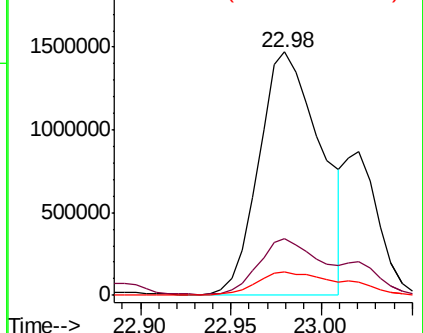
125 9.4 7.3 10.9



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: 12.066 ng/ul

RT: 23.02 min Scan# 3406

Delta R.T. 0.01 min

Lab File: BM020807.D

Acq: 07 Jun 2019 17:03

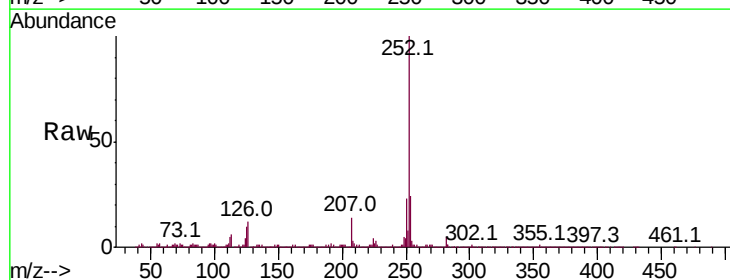
Tgt Ion:252 Resp: 1078189

Ion Ratio Lower Upper

252 100

253 23.5 17.6 26.4

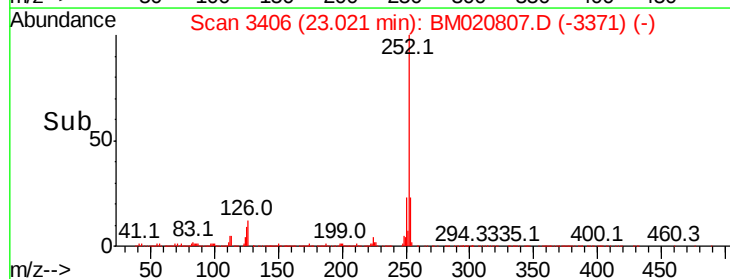
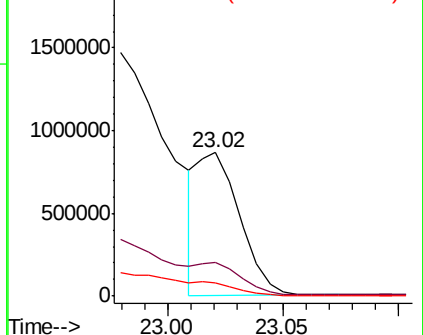
125 9.5 7.3 10.9

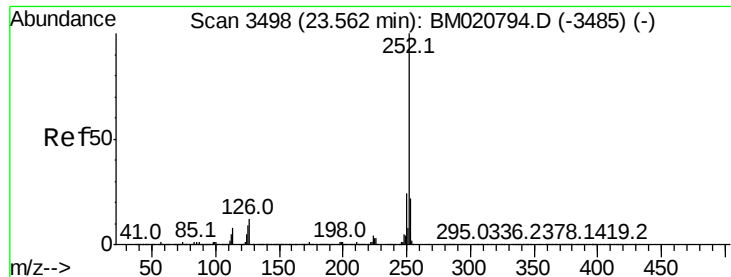


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 26.484 ng/ul

RT: 23.57 min Scan# 3499

Delta R.T. 0.01 min

Lab File: BM020807.D

Acq: 07 Jun 2019 17:03

Instrument :

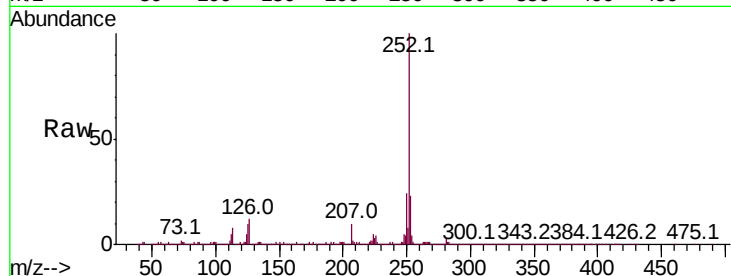
BNA_M

ClientSampleId :

C0AB9DL

Tot Ion:252 Resp: 235582

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	9.8	8.2	12.4

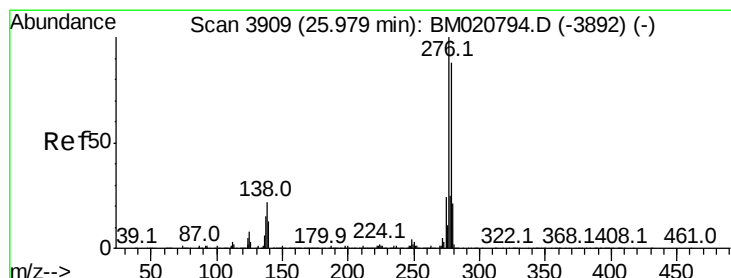
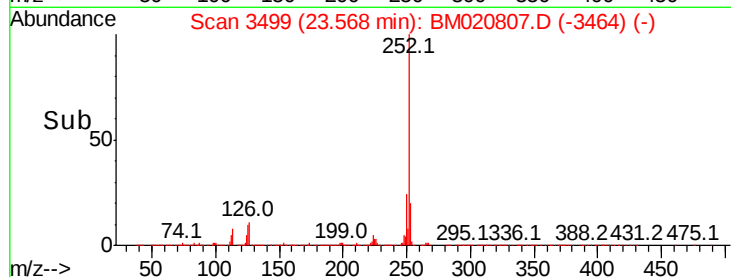
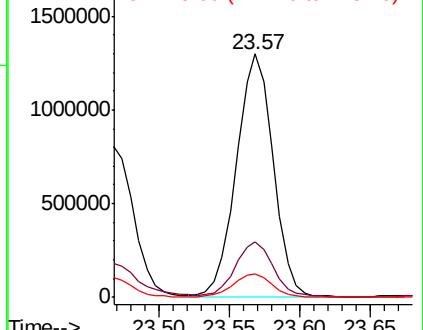


Abundance

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: 15.438 ng/ul

RT: 25.98 min Scan# 3909

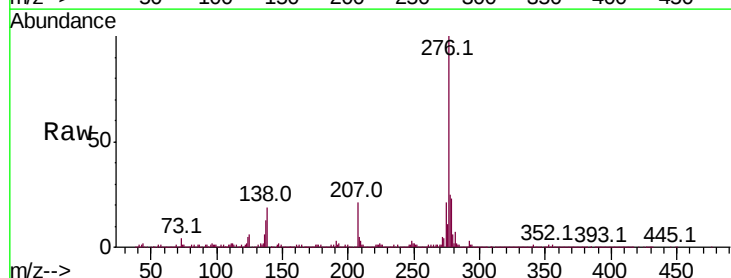
Delta R.T. -0.00 min

Lab File: BM020807.D

Acq: 07 Jun 2019 17:03

Tgt Ion:276 Resp: 1621812

Ion	Ratio	Lower	Upper
276	100		
138	19.0	17.8	26.8
277	25.5	20.0	30.0

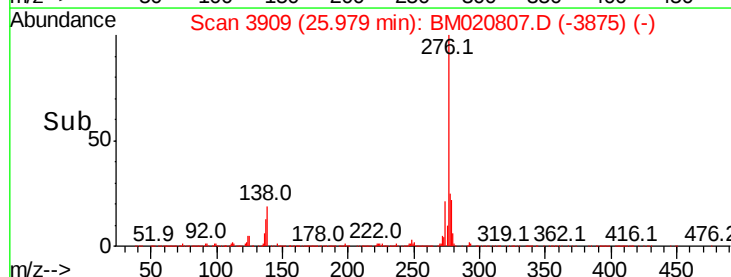
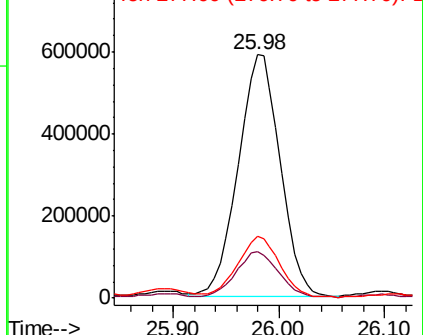


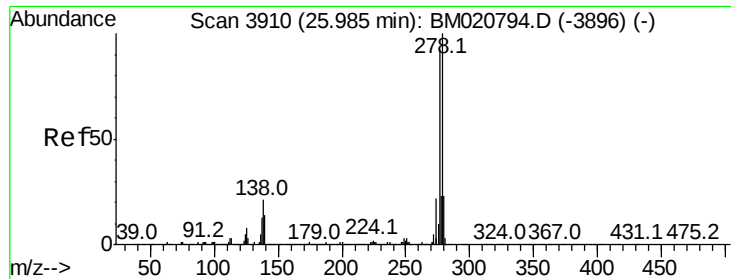
Abundance

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





#92

Dibenzo(a,h)anthracene

Concen: 5.112 ng/ul

RT: 25.99 min Scan# 3910

Delta R.T. -0.00 min

Lab File: BM020807.D

Acq: 07 Jun 2019 17:03

Instrument :

BNA_M

ClientSampleId :

C0AB9DL

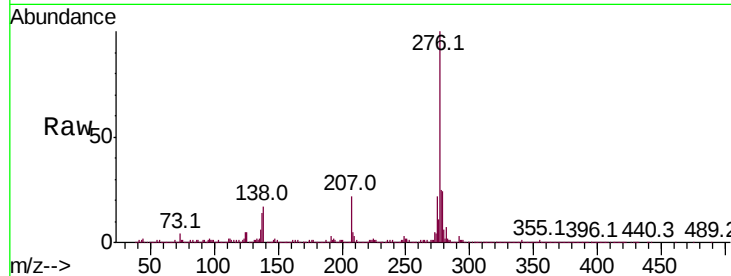
Tot Ion:278 Resp: 455022

Ion Ratio Lower Upper

278 100

139 0.0 11.6 17.4#

279 25.8 18.6 28.0

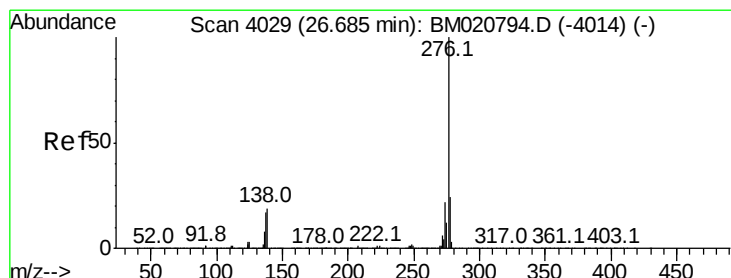
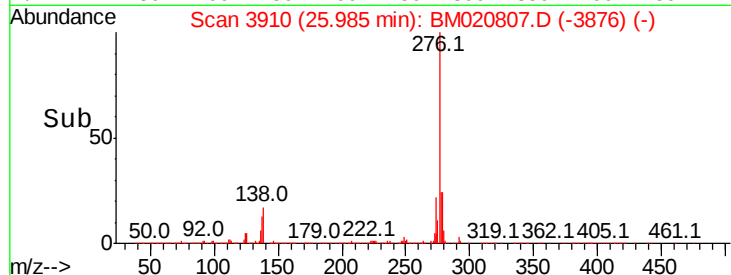
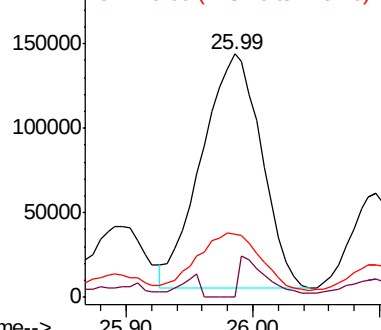


Abundance

Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#93

Benzo(g,h,i)perylene

Concen: 13.973 ng/ul

RT: 26.70 min Scan# 4031

Delta R.T. 0.01 min

Lab File: BM020807.D

Acq: 07 Jun 2019 17:03

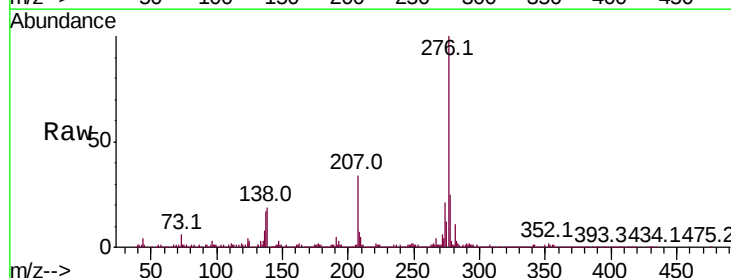
Tgt Ion:276 Resp: 1190854

Ion Ratio Lower Upper

276 100

138 18.6 16.6 25.0

277 24.7 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

