

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM062519\
 Data File : BM021193.D
 Acq On : 26 Jun 2019 15:52
 Operator : HP/JU
 Sample : K3501-14
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C7AB8

Quant Time: Jun 26 16:26:50 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM061419MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 26 01:32:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ng/ul	-7.77
18) Naphthalene-d8	0.00	136	0	0.00	ng/ul	-10.56
35) Acenaphthene-d10	14.40	164	754	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.25	188	2041519	20.00	ng/ul	0.09
77) Chrysene-d12	21.46	240	241	20.00	ng/ul	0.11
85) Perylene-d12	23.74	264	780	20.00	ng/ul	0.12
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.28	96	17470	0.00	ng/uL	0.00
5) Phenol-d5	6.93	99	397806	0.00	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.10	67	243581	0.00	ng/ul	0.00
9) 2-Chlorophenol-d4	7.30	132	337000	0.00	ng/ul	0.00
13) 4-Methylphenol-d8	8.47	113	284329	0.00	ng/ul	0.00
19) Nitrobenzene-d5	8.93	128	182399	0.00	ng/ul	0.00
22) 2-Nitrophenol-d4	9.65	143	211760	0.00	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.17	165	428397	0.00	ng/ul	0.00
29) 4-Chloroaniline-d4	10.70	131	399152	0.00	ng/ul	0.00
43) Dimethylphthalate-d6	13.82	166	1466826	21530.17	ng/ul	0.00
46) Acenaphthylene-d8	14.10	160	1706698	20464.38	ng/ul	0.00
51) 4-Nitrophenol-d4	14.62	143	163009	14709.28	ng/ul	0.00
57) Fluorene-d10	15.40	176	1300195	21940.10	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.53	200	157177	12.52	ng/ul	0.00
70) Anthracene-d10	17.25	188	2043909	19.27	ng/ul	0.00
78) Pyrene-d10	19.55	212	2212823	153013.75	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.47	264	1785698	38803.18	ng/ul	0.00
Target Compounds						
44) Dimethylphthalate	13.87	163	549496	8860.227	ng/ul	99
45) 2,6-Dinitrotoluene	13.86	165	5592	472.427	ng/ul#	57
47) Acenaphthylene	14.13	152	7021	98.328	ng/ul#	95
49) Acenaphthene	14.47	153	2540	48.522	ng/ul	94
53) Dibenzofuran	14.81	168	2272	30.483	ng/ul	95
56) Diethylphthalate	15.23	149	3882	64.878	ng/ul#	97
58) Fluorene	15.46	166	3068	50.663	ng/ul#	97
60) 4-Nitroaniline	15.52	138	547	49.663	ng/ul#	1
76) Fluoranthene	19.22	202	355006	2.910	ng/ul	99
79) Pyrene	19.58	202	306608	17995.760	ng/ul	100
80) Butylbenzylphthalate	20.57	149	205	32.504	ng/ul#	91
81) 3,3'-Dichlorobenzidine	21.39	252	1756	325.088	ng/ul#	53
82) Benzo(a)anthracene	21.37	228	182464	11105.289	ng/ul	95
83) Bis(2-ethylhexyl)phthalate	21.37	149	688	76.618	ng/ul#	75
84) Chrysene	21.37	228	181036	11764.791	ng/ul	98
86) Di-n-octyl phthalate	22.26	149	816	18.155	ng/ul	100
87) Benzo(b)fluoranthene	23.02	252	440	8.905	ng/ul#	1
88) Benzo(k)fluoranthene	23.10	252	26676	561.206	ng/ul#	80
90) Benzo(a)pyrene	23.51	252	145257	3123.477	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.90	276	103874	1896.827	ng/ul	95
92) Dibenzo(a,h)anthracene	26.10	278	464	10.072	ng/ul#	1
93) Benzo(a,h,i)perylene	26.60	276	76743	1701.543	ng/ul	97

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Quant Title : SVOA CALIBRATION
QLast Update : Wed Jun 26 01:32:57 2019
Response via : Initial Calibration

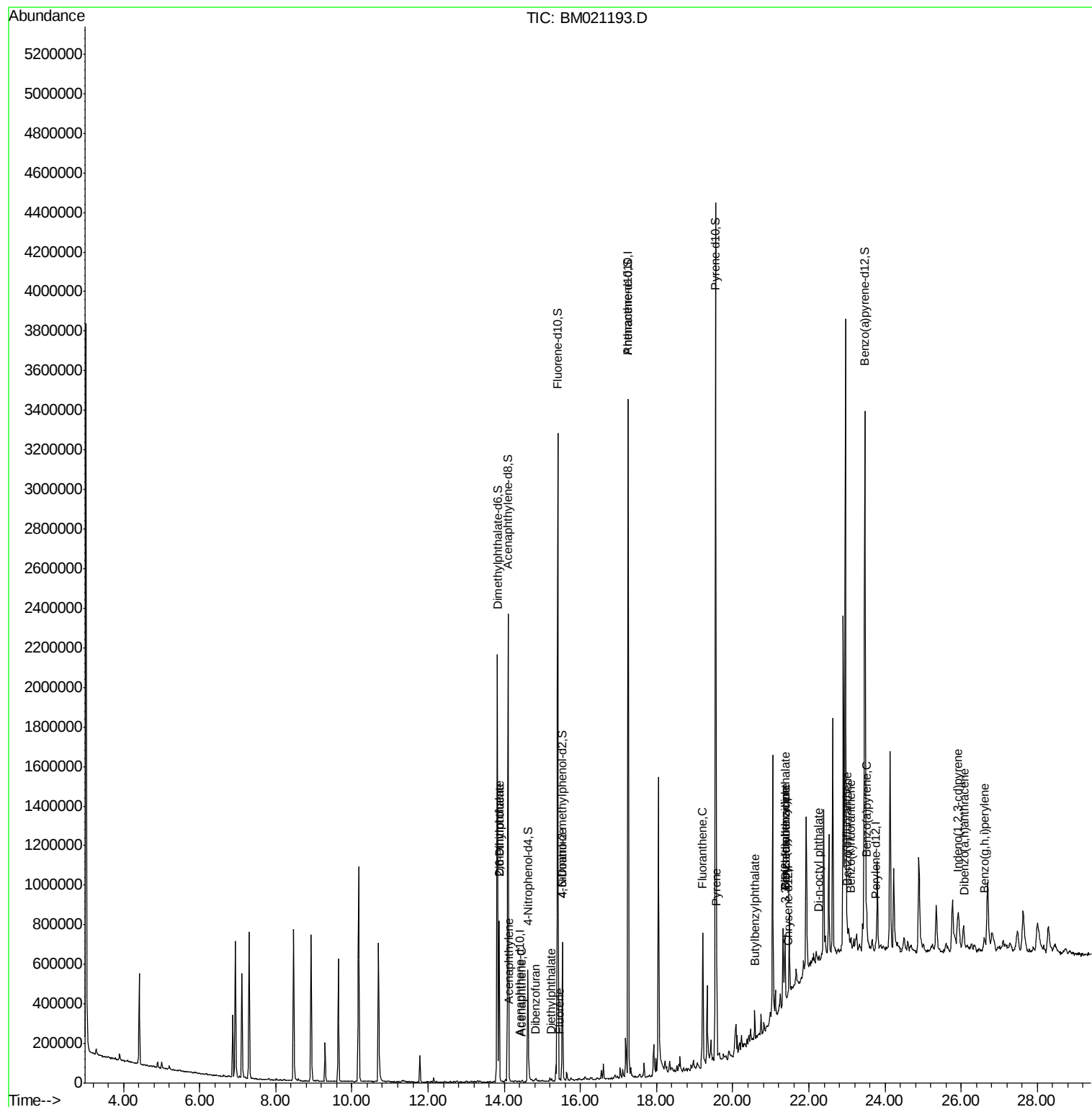
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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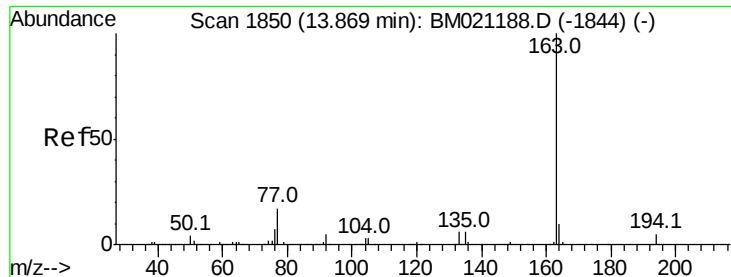
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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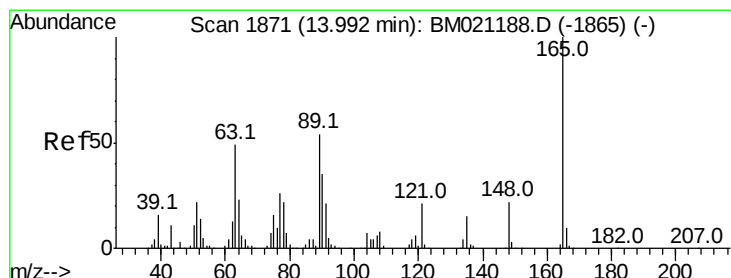
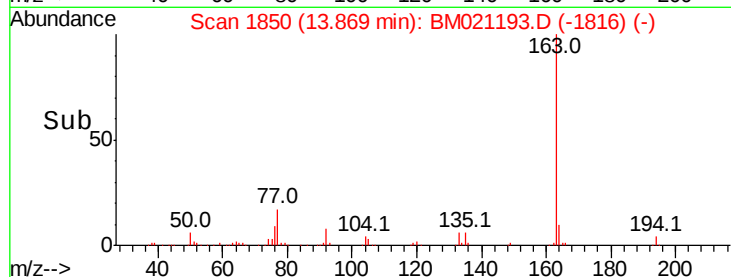
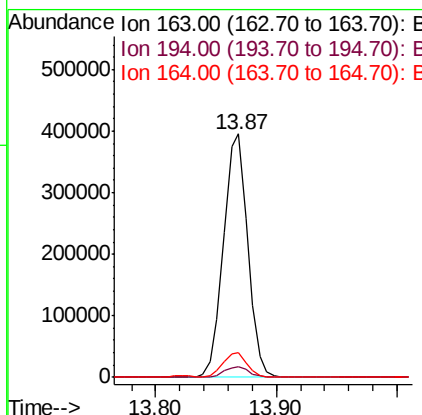
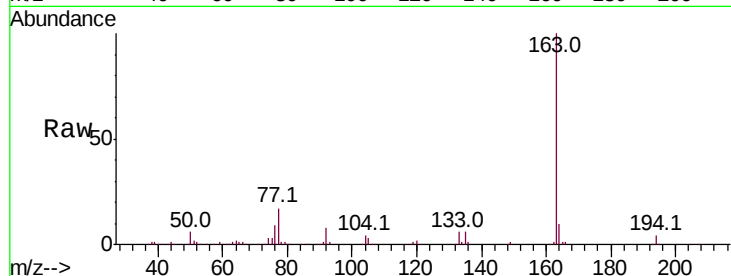




#44
Dimethylphthalate
Concen: 8860.227 ng/ul
RT: 13.87 min Scan# 1850
Delta R.T. -0.00 min
Lab File: BM021193.D
Acq: 26 Jun 2019 15:52

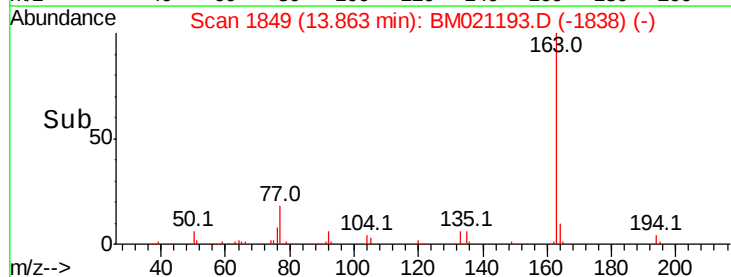
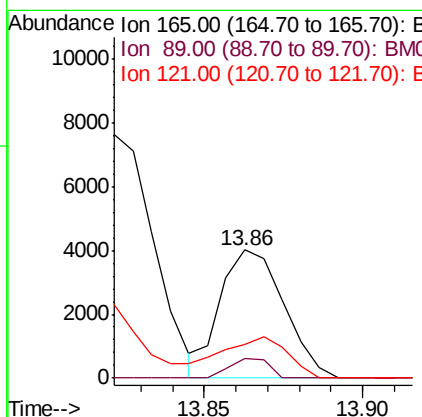
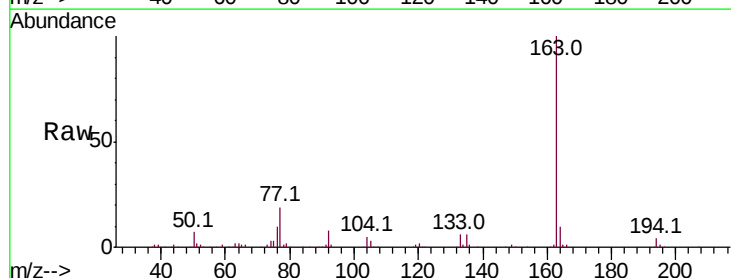
Instrument :
BNA_M
ClientSampleId :
C7AB8

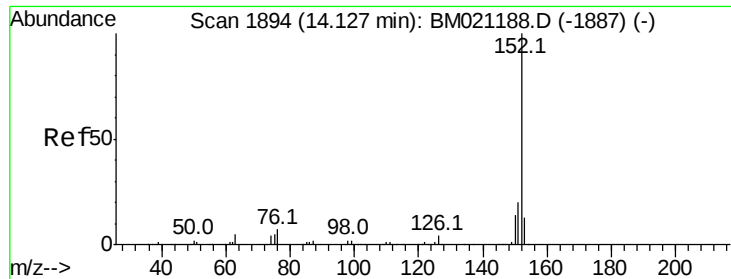
Tot Ion:163 Resp: 549496
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.2
164 9.9 7.7 11.5



#45
2,6-Dinitrotoluene
Concen: 472.427 ng/ul
RT: 13.86 min Scan# 1849
Delta R.T. -0.14 min
Lab File: BM021193.D
Acq: 26 Jun 2019 15:52

Tgt Ion:165 Resp: 5592
Ion Ratio Lower Upper
165 100
89 15.3 43.6 65.4#
121 26.7 16.5 24.7#





#47

Acenaphthylene

Concen: 98.328 ng/ul

RT: 14.13 min Scan# 1894

Delta R.T. -0.01 min

Lab File: BM021193.D

Acq: 26 Jun 2019 15:52

Instrument :

BNA_M

ClientSampleId :

C7AB8

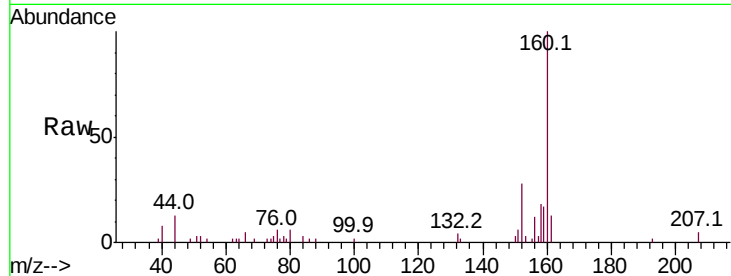
Tot Ion:152 Resp: 7021

Ion Ratio Lower Upper

152 100

151 21.1 15.3 22.9

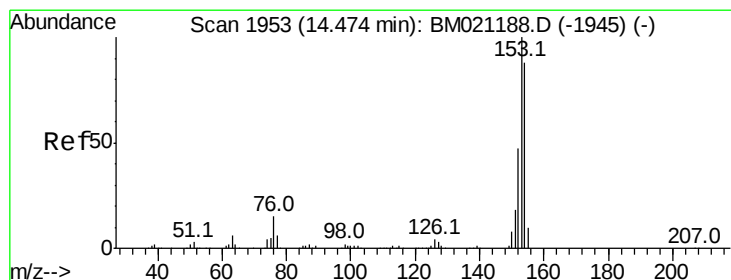
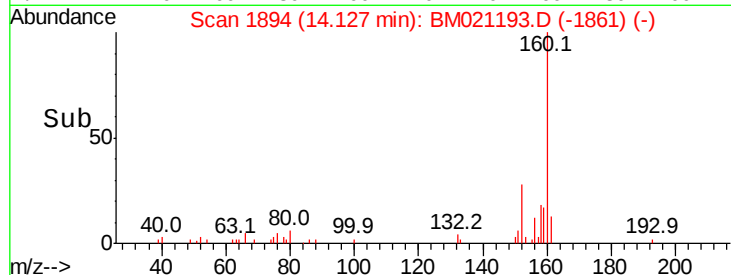
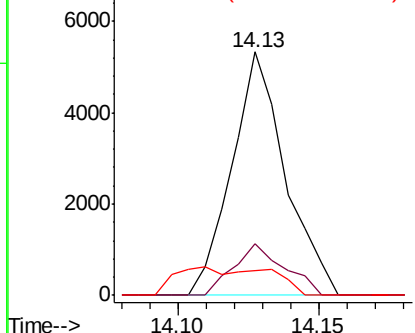
153 10.4 10.5 15.7#



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: 48.522 ng/ul

RT: 14.47 min Scan# 1952

Delta R.T. -0.01 min

Lab File: BM021193.D

Acq: 26 Jun 2019 15:52

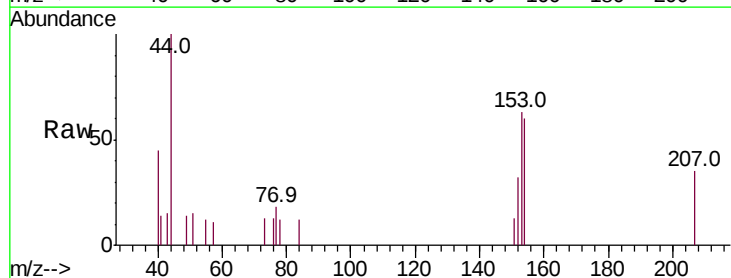
Tgt Ion:153 Resp: 2540

Ion Ratio Lower Upper

153 100

152 50.7 37.3 55.9

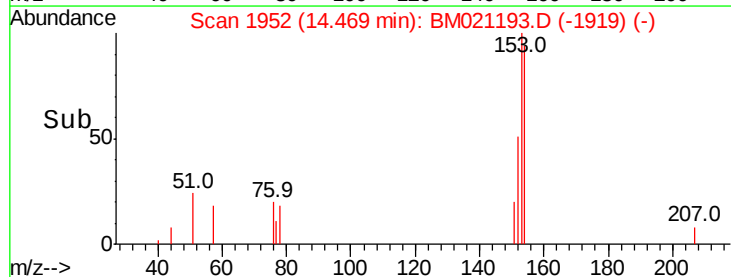
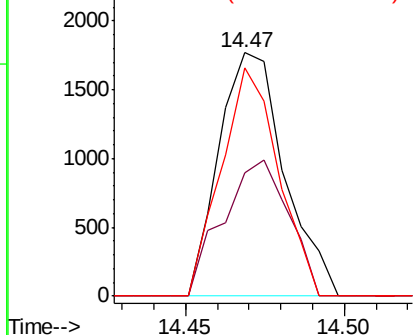
154 94.0 70.5 105.7

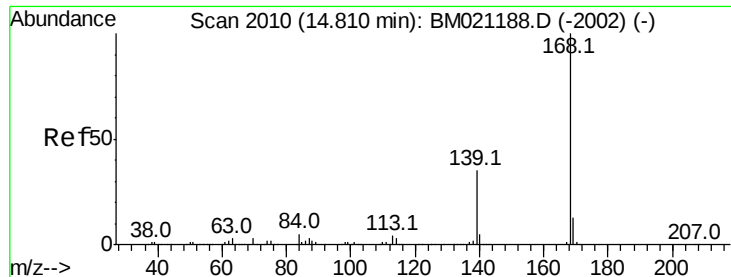


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#53

Dibenzo(f,h)quinoxaline

Concen: 30.483 ng/ul

RT: 14.81 min Scan# 2010

Delta R.T. -0.00 min

Lab File: BM021193.D

Acq: 26 Jun 2019 15:52

Instrument :

BNA_M

ClientSampleId :

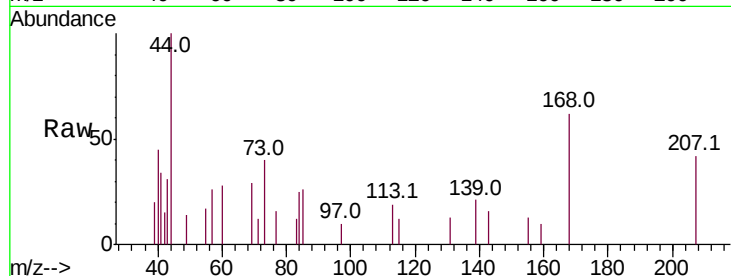
C7AB8

Tot Ion:168 Resp: 2272

Ion Ratio Lower Upper

168 100

139 34.0 29.7 44.5



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

14.81

1500

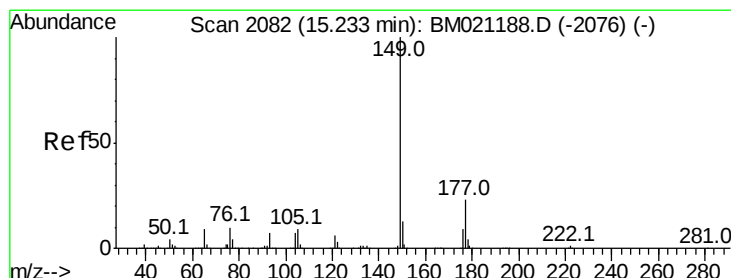
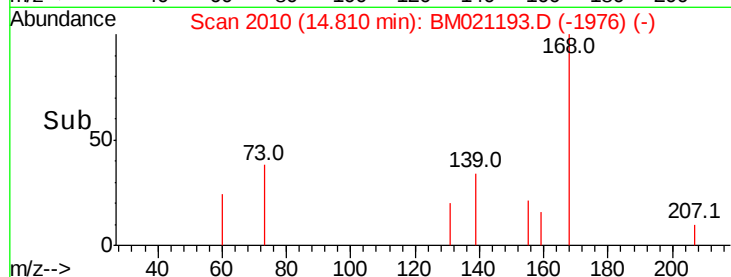
1000

500

0

14.78 14.80 14.82 14.84

Time-->



#56

Diethylphthalate

Concen: 64.878 ng/ul

RT: 15.23 min Scan# 2082

Delta R.T. -0.01 min

Lab File: BM021193.D

Acq: 26 Jun 2019 15:52

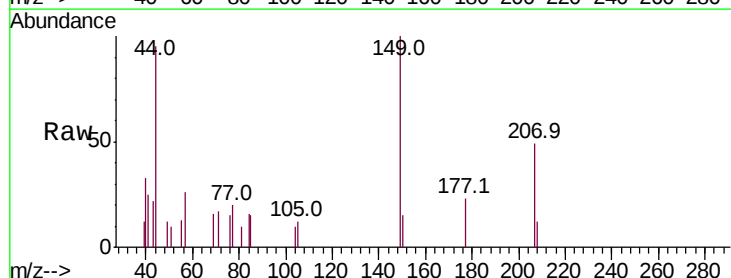
Tgt Ion:149 Resp: 3882

Ion Ratio Lower Upper

149 100

177 23.1 18.2 27.4

150 15.2 9.9 14.9#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

15.23

4000

3000

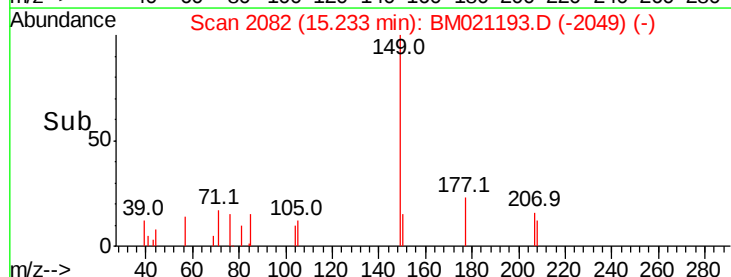
2000

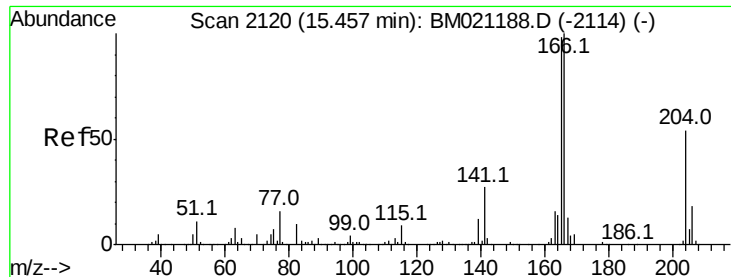
1000

0

15.20 15.25

Time-->





#58

Fluorene

Concen: 50.663 ng/ul

RT: 15.46 min Scan# 2120

Delta R.T. -0.01 min

Lab File: BM021193.D

Acq: 26 Jun 2019 15:52

Instrument :

BNA_M

ClientSampleId :

C7AB8

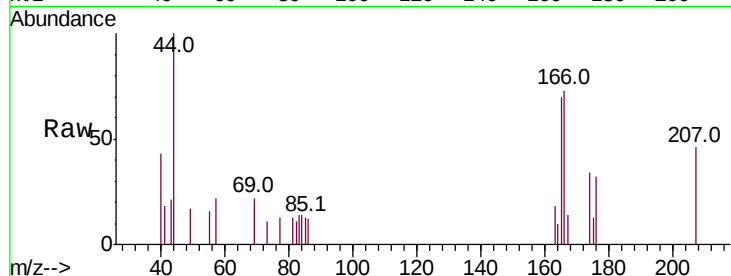
Tot Ion:166 Resp: 3068

Ion Ratio Lower Upper

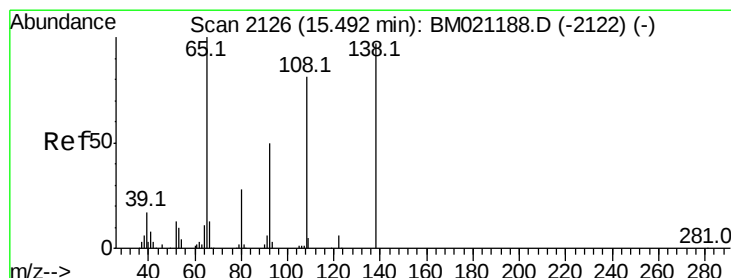
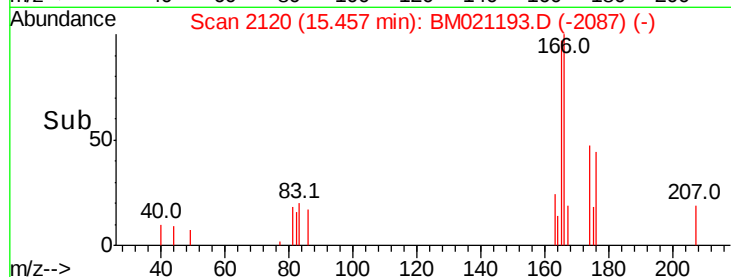
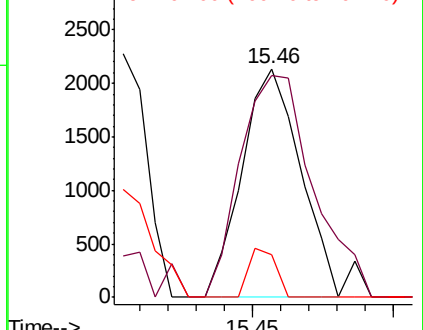
166 100

165 96.8 79.0 118.4

167 18.7 10.6 16.0#



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#60

4-Nitroaniline

Concen: 49.663 ng/ul

RT: 15.52 min Scan# 2131

Delta R.T. 0.02 min

Lab File: BM021193.D

Acq: 26 Jun 2019 15:52

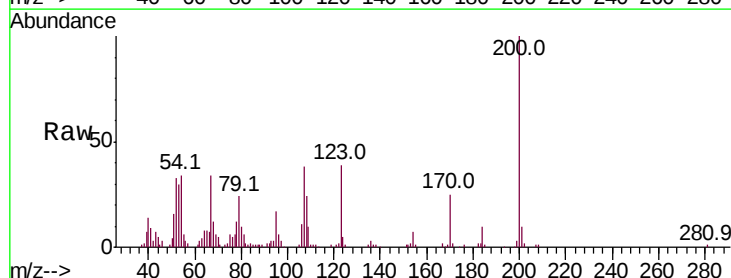
Tgt Ion:138 Resp: 547

Ion Ratio Lower Upper

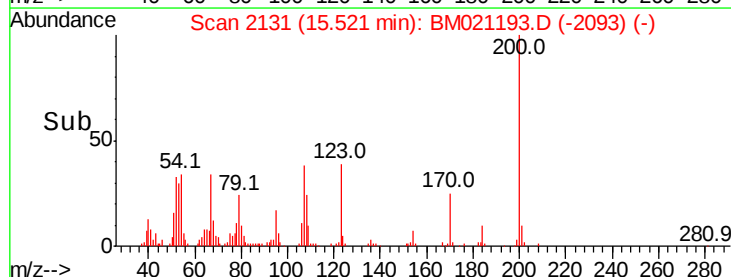
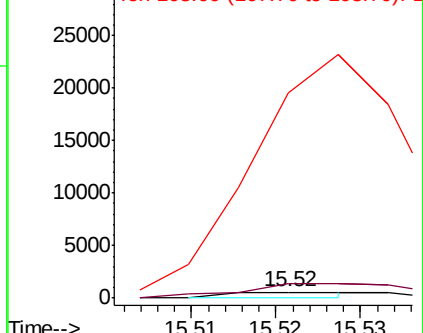
138 100

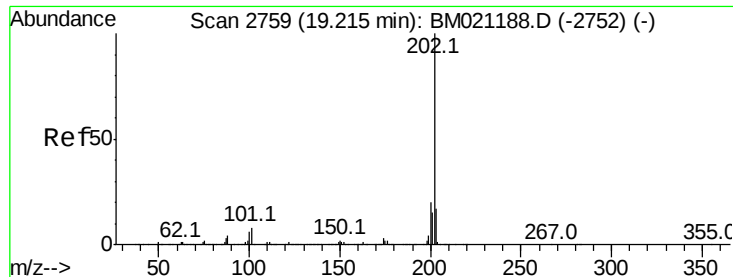
92 249.9 40.4 60.6#

108 3554.1 64.5 96.7#



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BM
Ion 108.00 (107.70 to 108.70): E

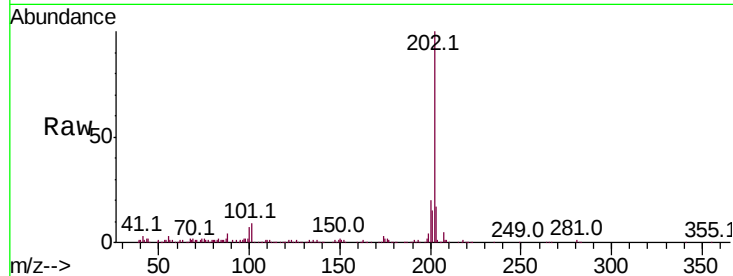




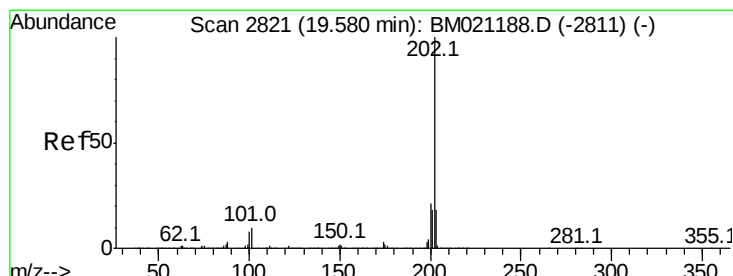
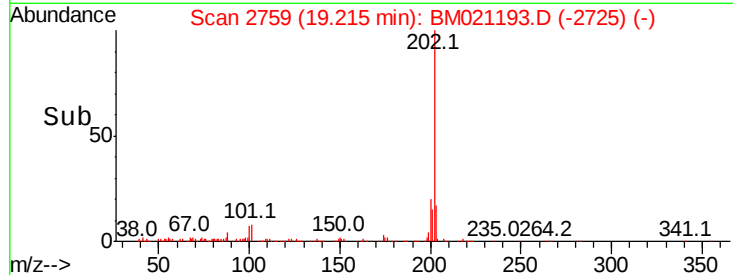
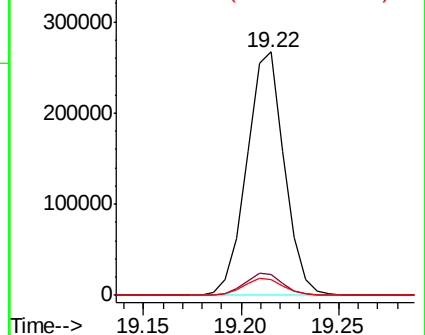
#76
Fluoranthene
Concen: 2.910 ng/ul
RT: 19.22 min Scan# 2759
Delta R.T. -0.00 min
Lab File: BM021193.D
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Tot Ion:	202	Resp:	355006
Ion	Ratio	Lower	Upper
202	100		
101	8.5	6.7	10.1
100	6.6	5.5	8.3

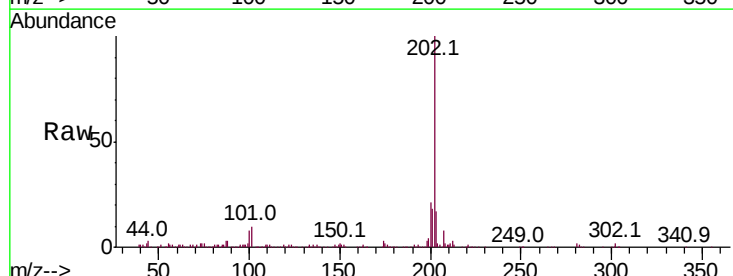


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 100.00 (99.70 to 100.70): B

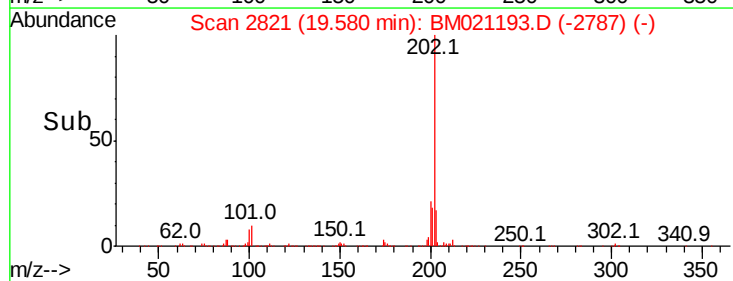
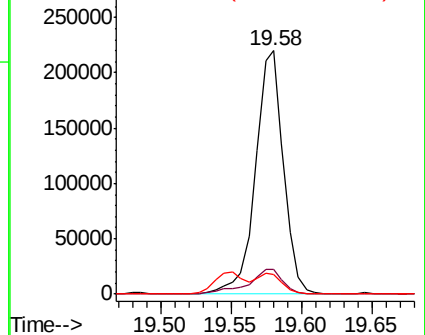


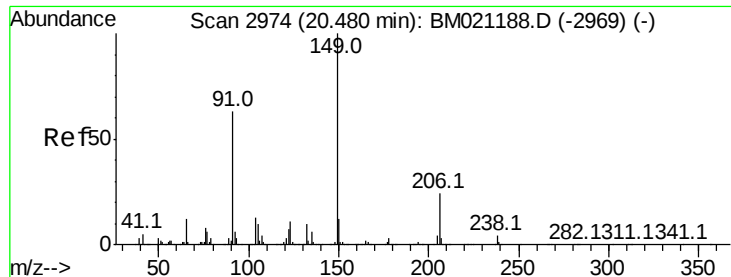
#79
Pyrene
Concen: 17995.760 ng/ul
RT: 19.58 min Scan# 2821
Delta R.T. -0.00 min
Lab File: BM021193.D
Acq: 26 Jun 2019 15:52

Tgt Ion:	202	Resp:	306608
Ion	Ratio	Lower	Upper
202	100		
101	10.1	8.1	12.1
100	8.1	6.6	10.0



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

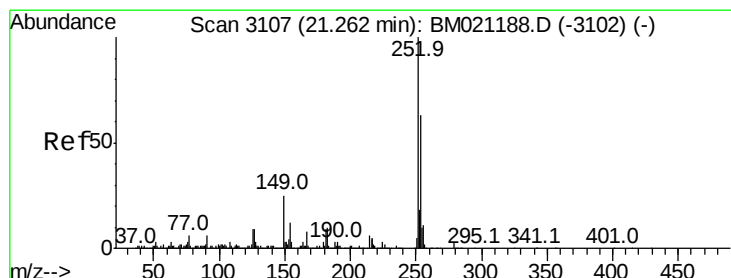
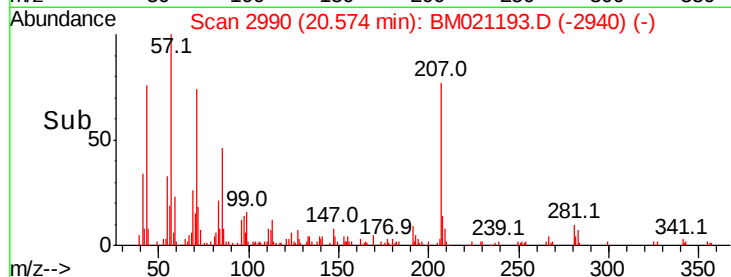
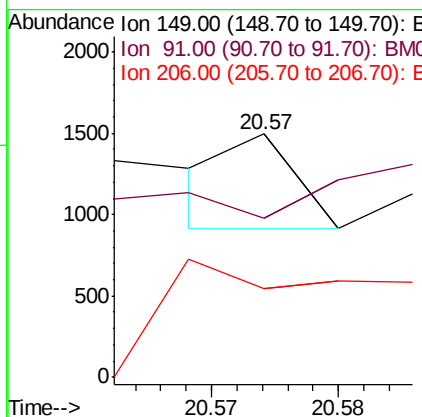
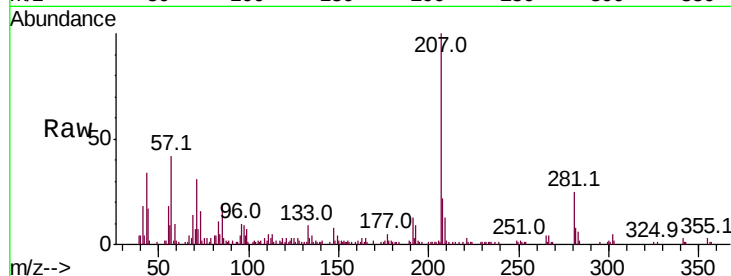




#80
 Butylbenzylphthalate
 Concen: 32.504 ng/ul
 RT: 20.57 min Scan# 2990
 Delta R.T. 0.09 min
 Lab File: BM021193.D
 Acq: 26 Jun 2019 15:52

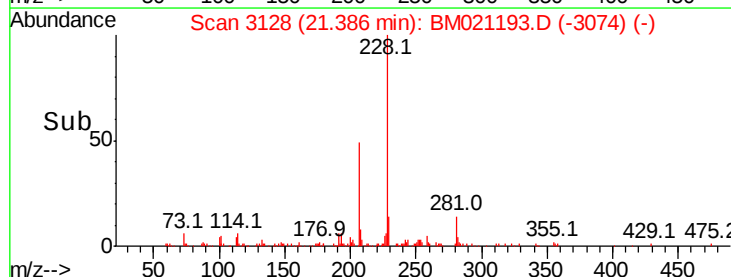
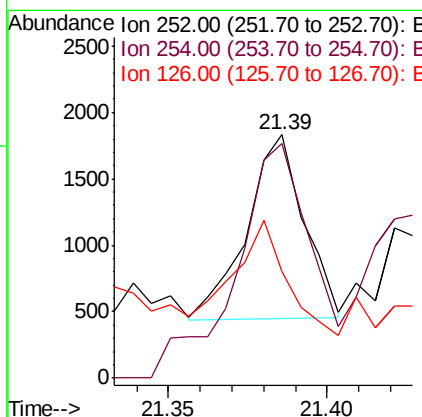
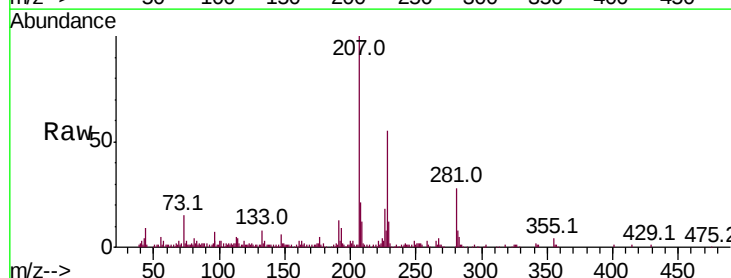
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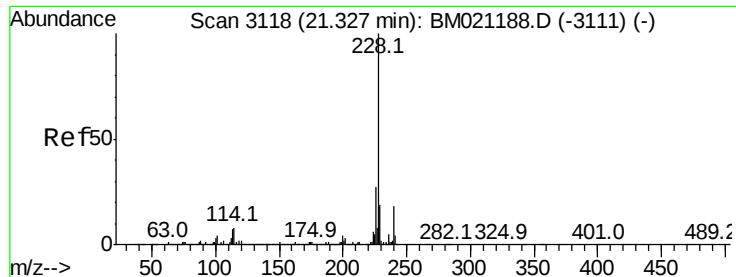
Tot Ion:149 Resp: 205
 Ion Ratio Lower Upper
 149 100
 91 65.1 53.4 80.2
 206 36.2 17.4 26.2#



#81
 3,3'-Dichlorobenzidine
 Concen: 325.088 ng/ul
 RT: 21.39 min Scan# 3128
 Delta R.T. 0.12 min
 Lab File: BM021193.D
 Acq: 26 Jun 2019 15:52

Tgt Ion:252 Resp: 1756
 Ion Ratio Lower Upper
 252 100
 254 96.5 51.8 77.6#
 126 43.8 7.7 11.5#





#82

Benzo(a)anthracene

Concen: 11105.289 ng/ul

RT: 21.37 min Scan# 3126

Delta R.T. 0.05 min

Lab File: BM021193.D

Acq: 26 Jun 2019 15:52

Instrument :

BNA_M

ClientSampleId :

C7AB8

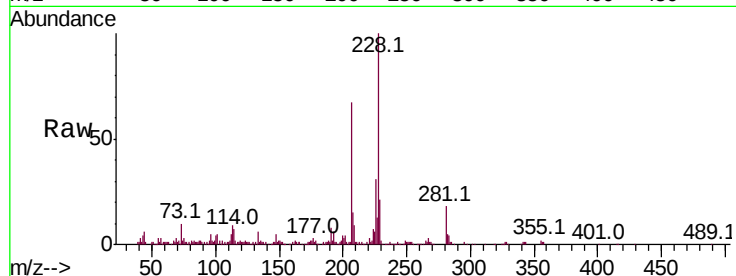
Tot Ion:228 Resp: 182464

Ion Ratio Lower Upper

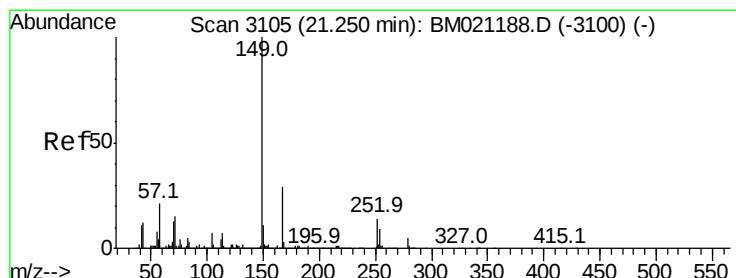
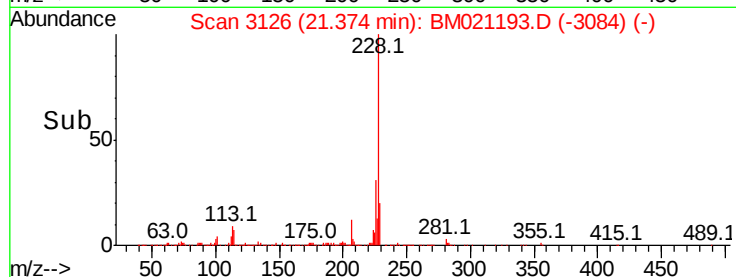
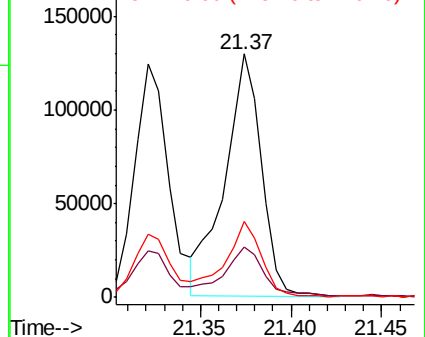
228 100

229 20.6 15.8 23.8

226 31.0 21.4 32.2



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 76.618 ng/ul

RT: 21.37 min Scan# 3125

Delta R.T. 0.11 min

Lab File: BM021193.D

Acq: 26 Jun 2019 15:52

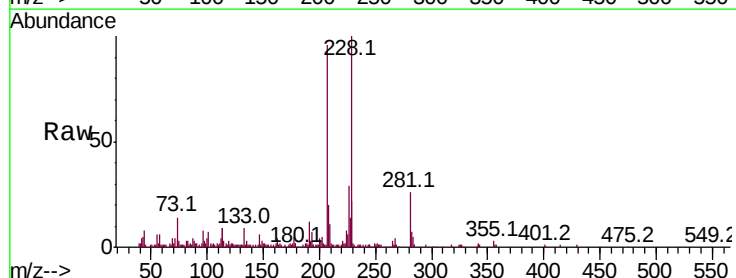
Tgt Ion:149 Resp: 688

Ion Ratio Lower Upper

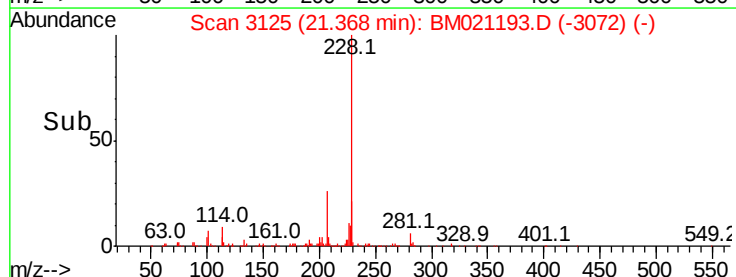
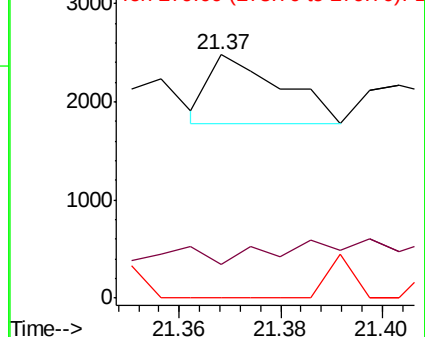
149 100

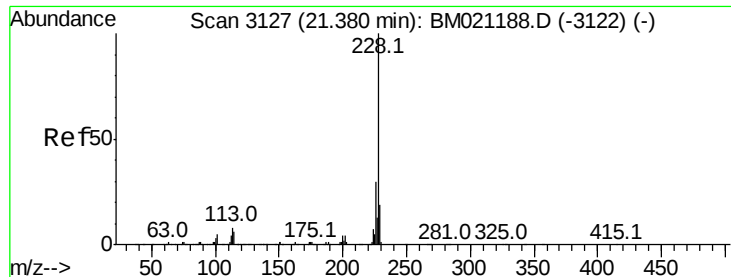
167 13.7 22.3 33.5#

279 0.0 3.8 5.6#



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: 11764.791 ng/ul

RT: 21.37 min Scan# 3126

Delta R.T. -0.01 min

Lab File: BM021193.D

Acq: 26 Jun 2019 15:52

Instrument :

BNA_M

ClientSampleId :

C7AB8

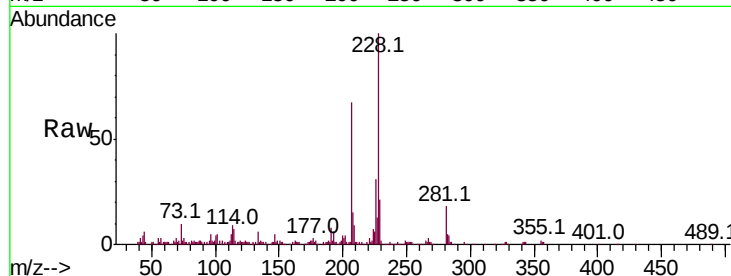
Tot Ion:228 Resp: 181036

Ion Ratio Lower Upper

228 100

226 31.0 23.9 35.9

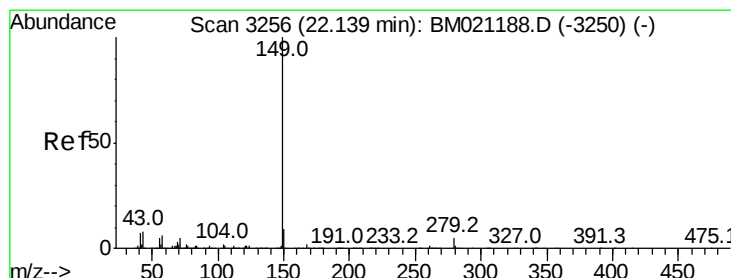
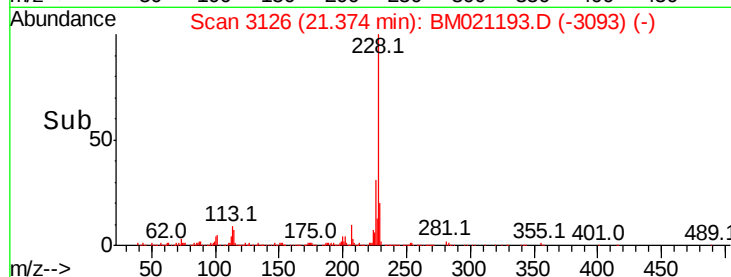
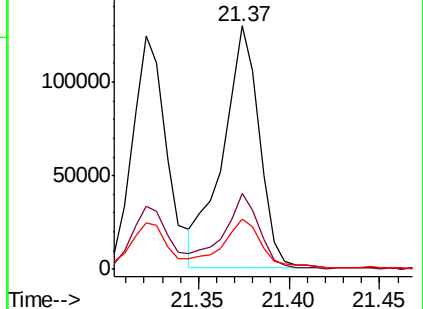
229 20.6 15.4 23.2



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



#86

Di-n-octyl phthalate

Concen: 18.155 ng/ul

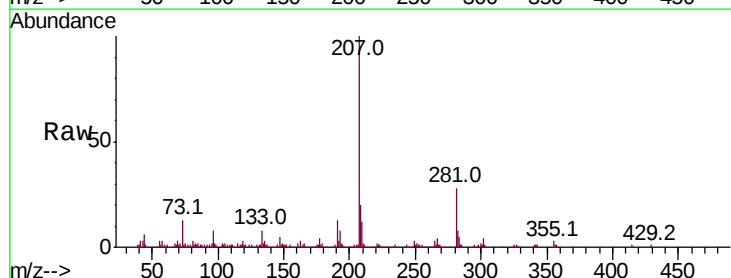
RT: 22.26 min Scan# 3276

Delta R.T. 0.11 min

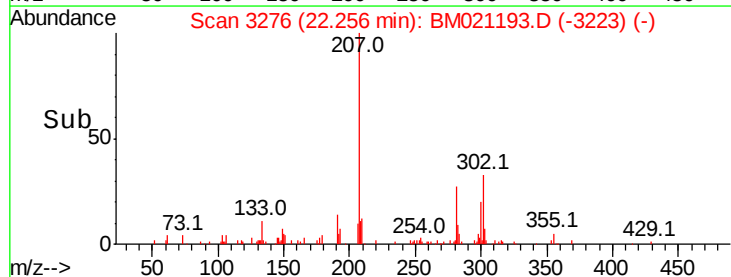
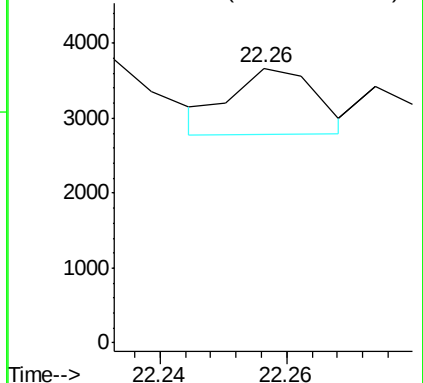
Lab File: BM021193.D

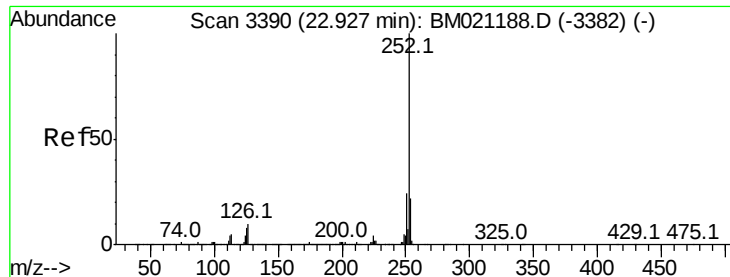
Acq: 26 Jun 2019 15:52

Tgt Ion:149 Resp: 816



Abundance Ion 149.00 (148.70 to 149.70): E





#87

Benzo(b)fluoranthene

Concen: 8.905 ng/ul

RT: 23.02 min Scan# 3406

Delta R.T. 0.09 min

Lab File: BM021193.D

Acq: 26 Jun 2019 15:52

Instrument :

BNA_M

ClientSampleId :

C7AB8

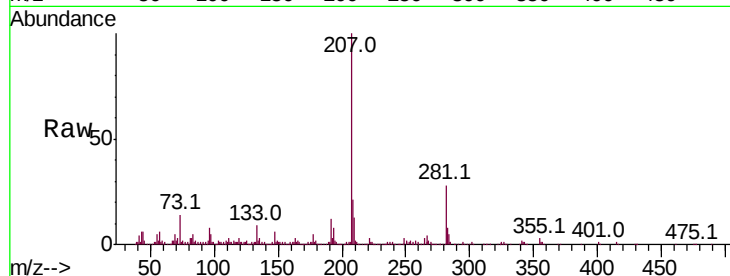
Tot Ion:252 Resp: 440

Ion Ratio Lower Upper

252 100

253 131.0 17.5 26.3#

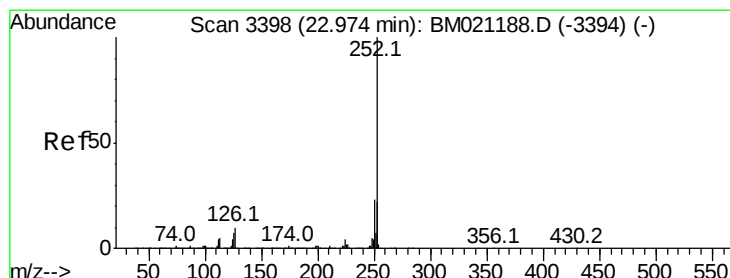
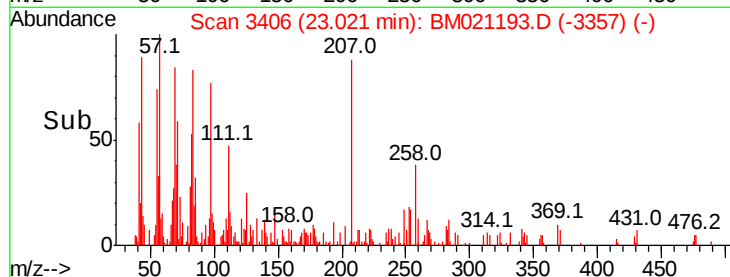
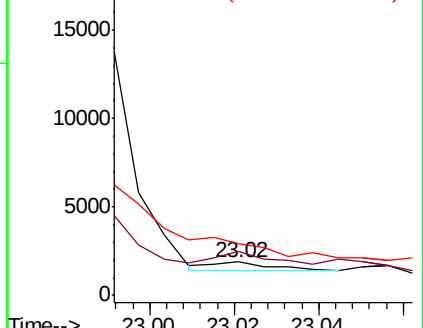
125 154.7 6.3 9.5#



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: 561.206 ng/ul

RT: 23.10 min Scan# 3420

Delta R.T. 0.12 min

Lab File: BM021193.D

Acq: 26 Jun 2019 15:52

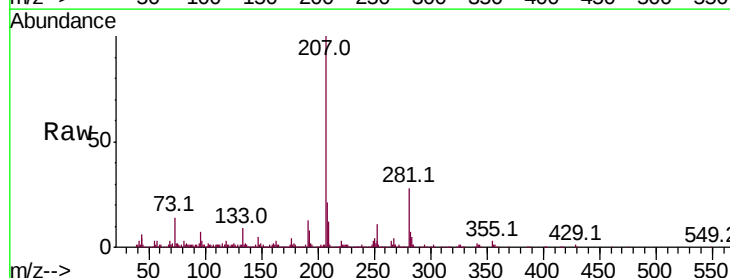
Tgt Ion:252 Resp: 26676

Ion Ratio Lower Upper

252 100

253 30.3 17.5 26.3#

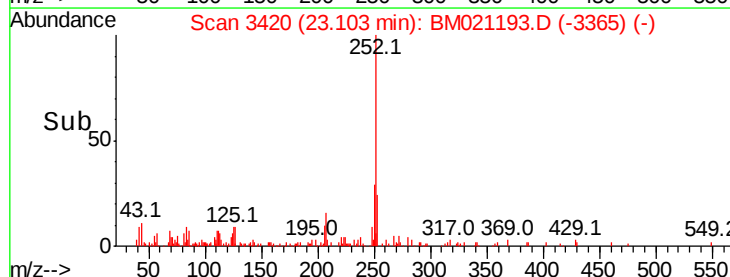
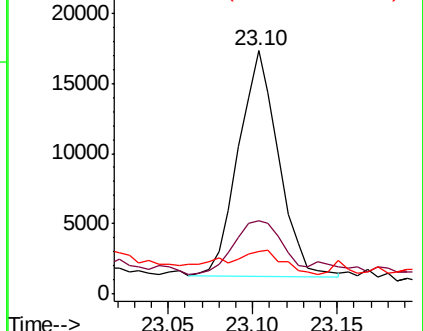
125 17.7 6.6 9.8#

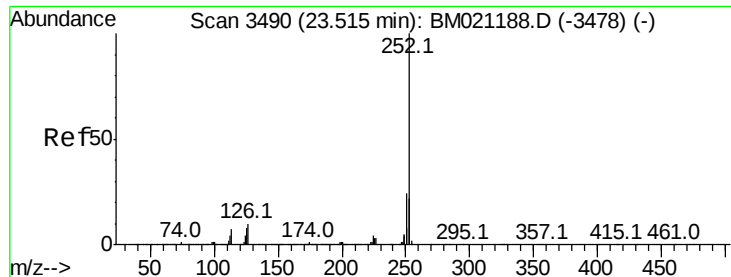


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 3123.477 ng/ul

RT: 23.51 min Scan# 3489

Delta R.T. -0.01 min

Lab File: BM021193.D

Acq: 26 Jun 2019 15:52

Instrument :

BNA_M

ClientSampleId :

C7AB8

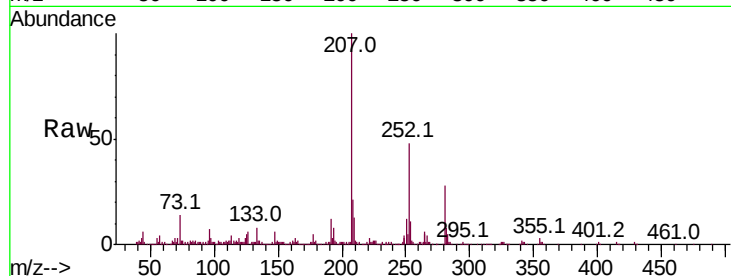
Tot Ion:252 Resp: 145257

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.8	26.8
125	9.9	7.2	10.8

252 100

253 23.2 17.8 26.8

125 9.9 7.2 10.8

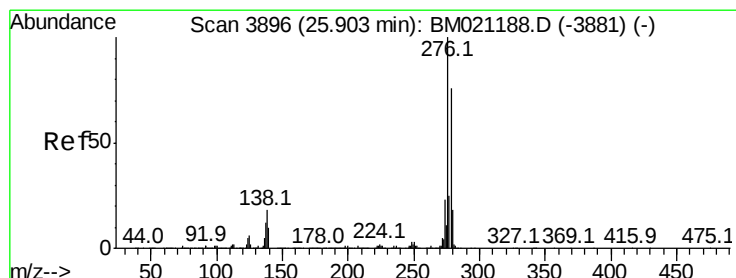
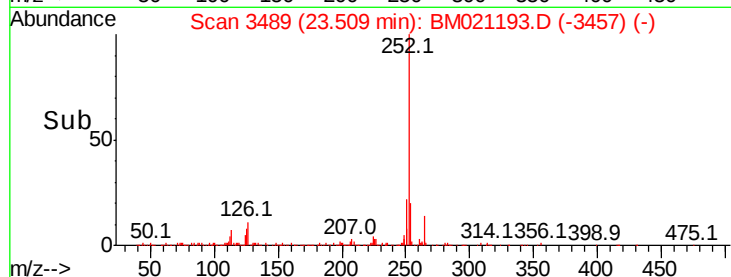
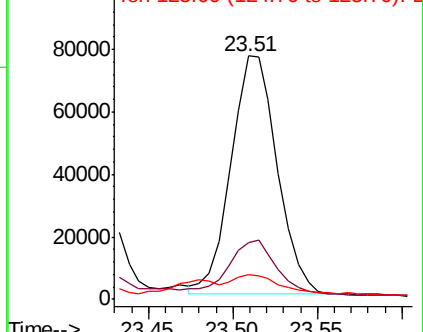


Abundance

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: 1896.827 ng/ul

RT: 25.90 min Scan# 3896

Delta R.T. -0.01 min

Lab File: BM021193.D

Acq: 26 Jun 2019 15:52

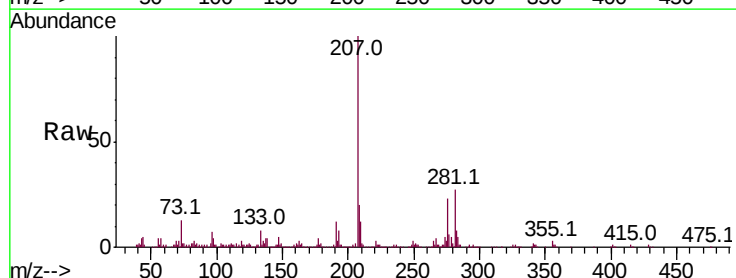
Tgt Ion:276 Resp: 103874

Ion	Ratio	Lower	Upper
276	100		
138	16.8	15.9	23.9
277	27.0	20.4	30.6

276 100

138 16.8 15.9 23.9

277 27.0 20.4 30.6

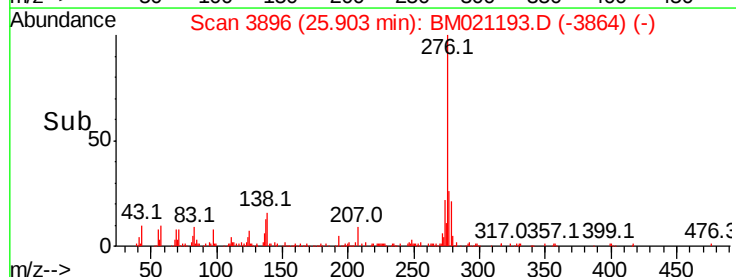
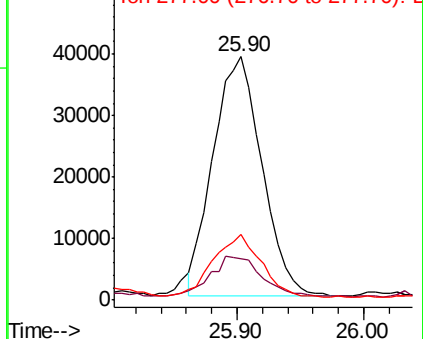


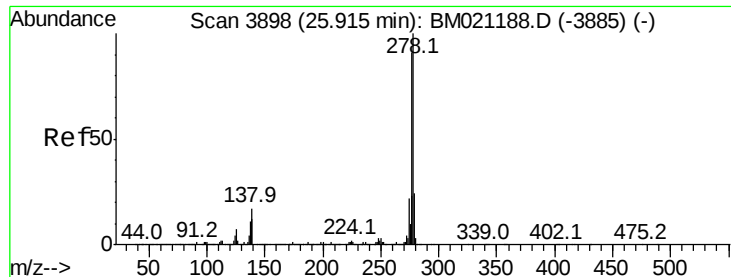
Abundance

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



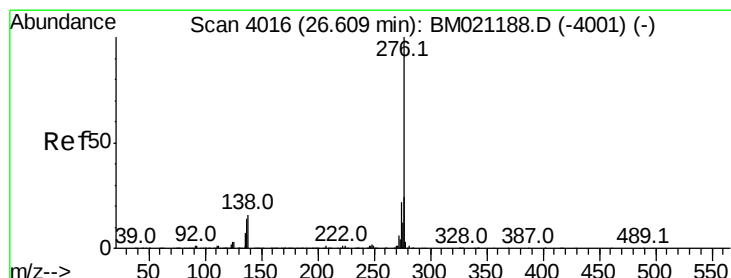
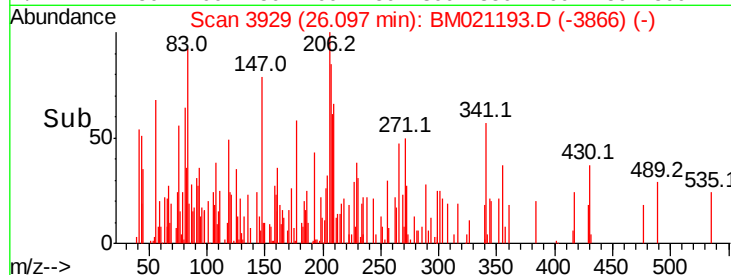
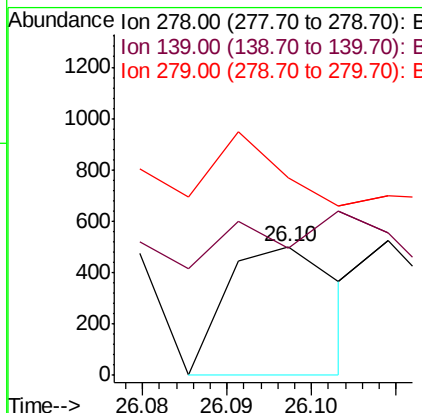
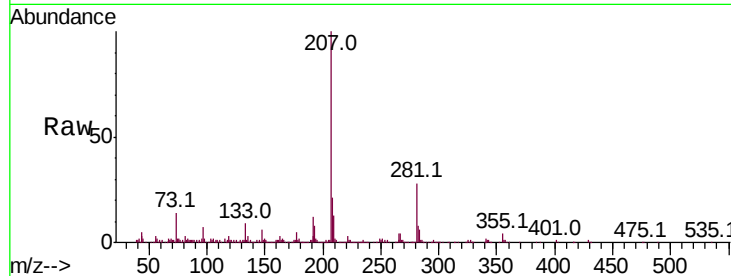


#92

Dibenzo(a,h)anthracene
 Concen: 10.072 ng/ul
 RT: 26.10 min Scan# 3929
 Delta R.T. 0.17 min
 Lab File: BM021193.D
 Acq: 26 Jun 2019 15:52

Instrument :
 BNA_M
 ClientSampleId :
 C7AB8

Tot Ion:278 Resp: 464
 Ion Ratio Lower Upper
 278 100
 139 98.2 10.6 15.8#
 279 153.2 19.0 28.4#



#93

Benzo(g,h,i)perylene
 Concen: 1701.543 ng/ul
 RT: 26.60 min Scan# 4015
 Delta R.T. -0.02 min
 Lab File: BM021193.D
 Acq: 26 Jun 2019 15:52

Tgt Ion:276 Resp: 76743
 Ion Ratio Lower Upper
 276 100
 138 15.7 14.6 21.8
 277 24.3 18.9 28.3

