

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052019\
 Data File : BM020425.D
 Acq On : 20 May 2019 11:05
 Operator : JU/SJ
 Sample : K2633-04DL2 30X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 GAJ96DL2

Quant Time: May 21 02:22:43 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat May 18 05:13:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	66035	20.00	ng/ul	0.00
18) Naphthalene-d8	10.53	136	247472	20.00	ng/ul	0.01
35) Acenaphthene-d10	14.39	164	147597	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.14	188	333176	20.00	ng/ul	0.01
77) Chrysene-d12	21.34	240	327670	20.00	ng/ul	0.02
85) Perylene-d12	23.63	264	395890	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.24	96	307	0.17	ng/uL	0.02
5) Phenol-d5	6.92	99	2724	0.52	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.09	67	1789	0.53	ng/ul	0.02
9) 2-Chlorophenol-d4	7.27	132	2573	0.67	ng/ul	0.01
13) 4-Methylphenol-d8	8.46	113	845	0.22	ng/ul	0.03
19) Nitrobenzene-d5	8.92	128	532	0.33	ng/ul	0.02
22) 2-Nitrophenol-d4	9.63	143	765	0.43	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.17	165	1887	0.50	ng/ul	0.02
29) 4-Chloroaniline-d4	10.70	131	405	0.10	ng/ul	0.04
43) Dimethylphthalate-d6	13.80	166	11274	1.06	ng/ul	0.00
46) Acenaphthylene-d8	14.08	160	13457	1.01	ng/ul	0.00
51) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
57) Fluorene-d10	15.39	176	10567	1.12	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
70) Anthracene-d10	17.24	188	17058	1.19	ng/ul	0.01
78) Pyrene-d10	19.54	212	19150	1.21	ng/ul	0.02
89) Benzo(a)pyrene-d12	23.48	264	18262	1.02	ng/ul	0.04

Target Compounds

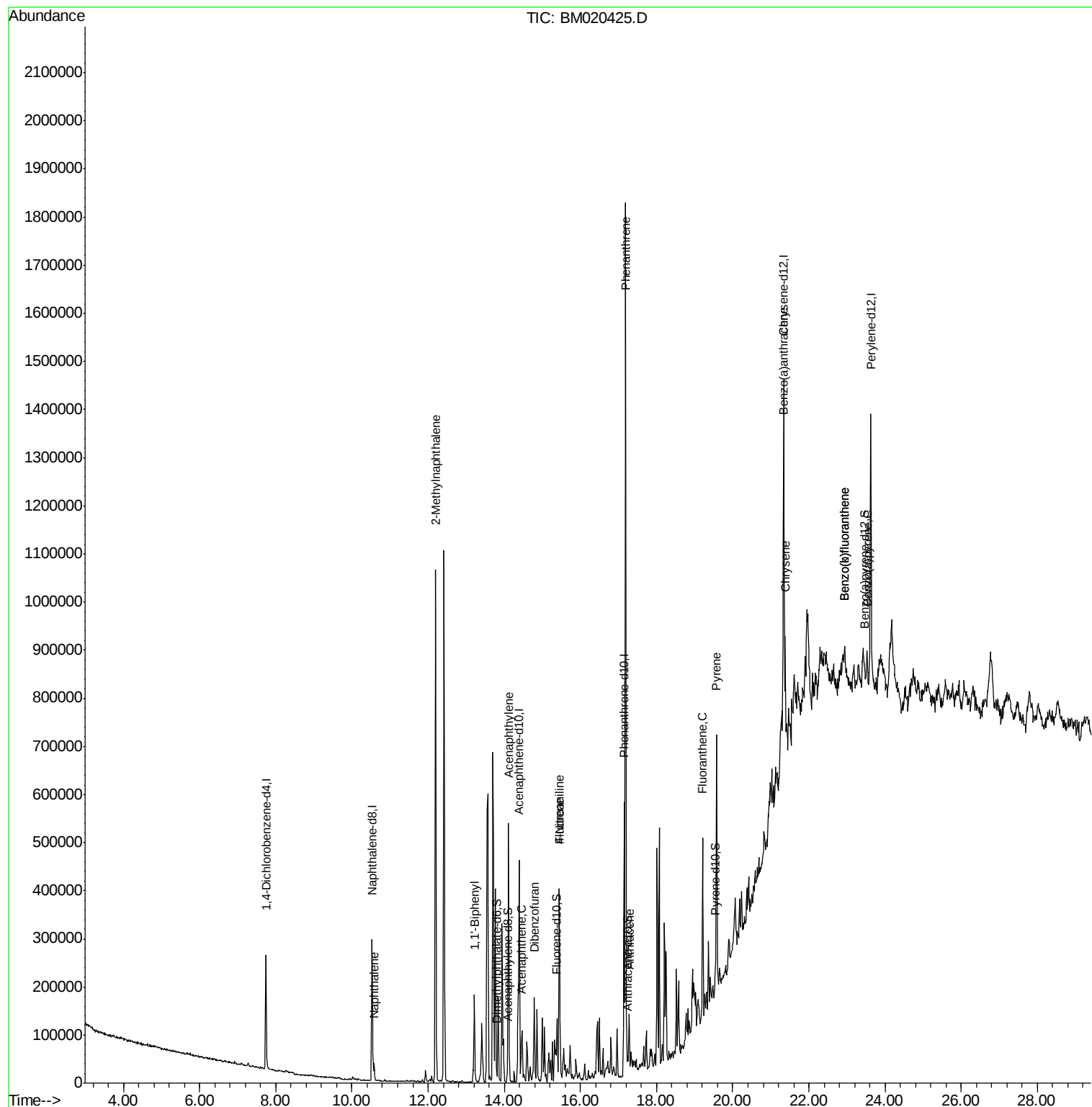
					Qvalue	
28) Naphthalene	10.58	128	27079	2.382	ng/ul#	97
34) 2-Methylnaphthalene	12.20	142	472052	57.341	ng/ul	97
40) 1,1'-Biphenyl	13.22	154	93953	8.892	ng/ul	99
47) Acenaphthylene	14.12	152	284029	22.675	ng/ul	96
49) Acenaphthene	14.46	153	34995	4.064	ng/ul	97
53) Dibenzofuran	14.79	168	39765	3.049	ng/ul	94
58) Fluorene	15.44	166	189340	18.125	ng/ul	99
60) 4-Nitroaniline	15.44	138	2039	1.217	ng/ul#	4
69) Phenanthrene	17.19	178	1120536	70.585	ng/ul	100
71) Anthracene	17.28	178	80452	4.982	ng/ul	98
76) Fluoranthene	19.21	202	200696	10.008	ng/ul	99
79) Pyrene	19.57	202	308650	15.693	ng/ul	98
82) Benzo(a)anthracene	21.33	228	112177	5.688	ng/ul#	92
84) Chrysene	21.38	228	100978	5.358	ng/ul	94
87) Benzo(b)fluoranthene	22.94	252	78452	3.472	ng/ul#	78
88) Benzo(k)fluoranthene	22.94	252	78394	3.532	ng/ul#	79
90) Benzo(a)pyrene	23.52	252	34799	1.637	ng/ul#	71

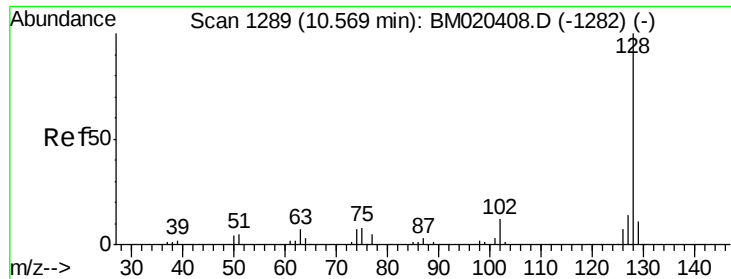
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052019\
Data File : BM020425.D
Acq On : 20 May 2019 11:05
Operator : JU/SJ
Sample : K2633-04DL2 30X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
GAJ96DL2

Quant Time: May 21 02:22:43 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM051619MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat May 18 05:13:49 2019
Response via : Initial Calibration

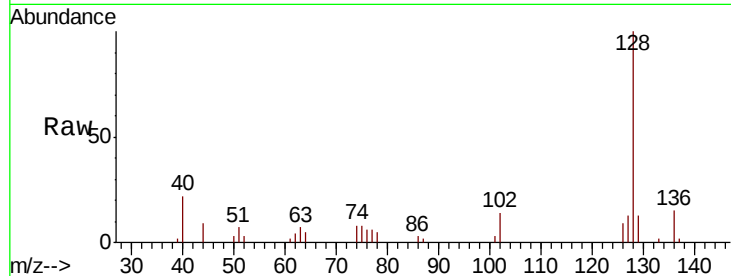




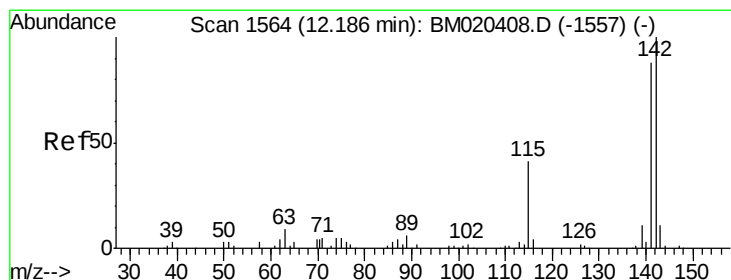
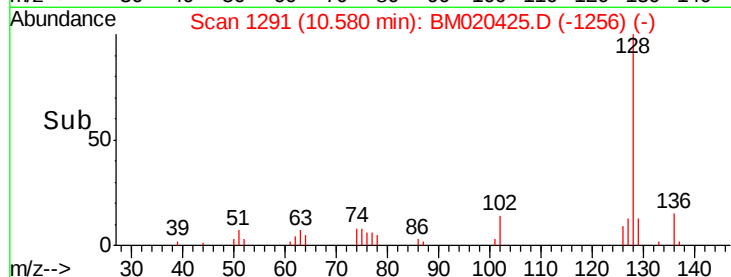
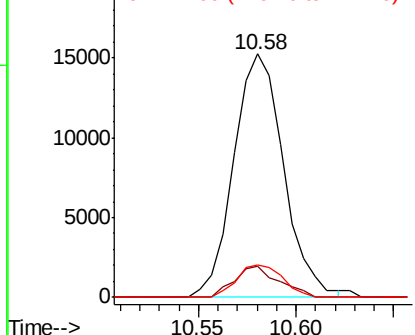
#28
Naphthalene
Concen: 2.382 ng/ul
RT: 10.58 min Scan# 1291
Delta R.T. 0.01 min
Lab File: BM020425.D
Acq: 20 May 2019 11:05

Instrument :
BNA_M
ClientSampleId :
GAJ96DL2

Tgt Ion:128 Resp: 27079
Ion Ratio Lower Upper
128 100
129 13.0 8.6 13.0#
127 13.2 10.6 15.8

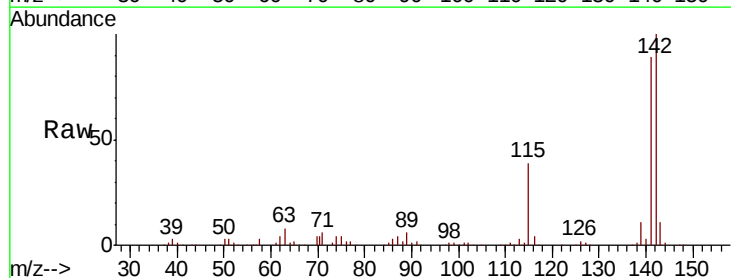


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

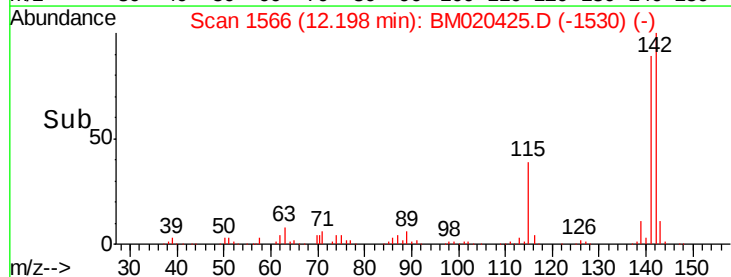
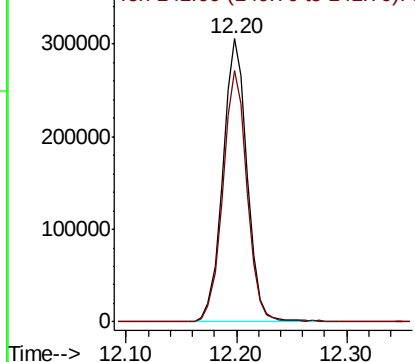


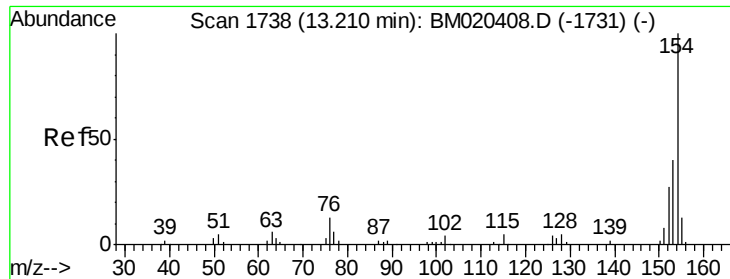
#34
2-Methylnaphthalene
Concen: 57.341 ng/ul
RT: 12.20 min Scan# 1566
Delta R.T. 0.01 min
Lab File: BM020425.D
Acq: 20 May 2019 11:05

Tgt Ion:142 Resp: 472052
Ion Ratio Lower Upper
142 100
141 88.6 68.6 102.8



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

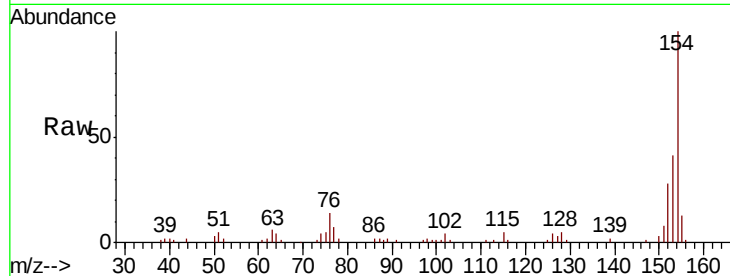




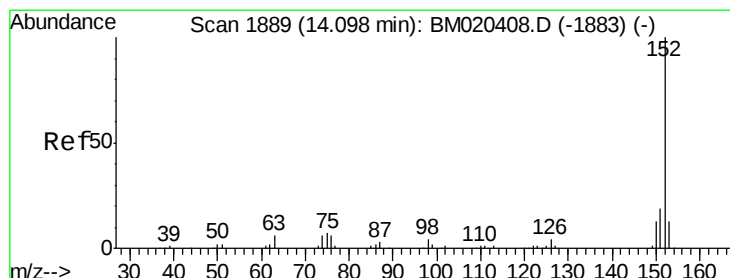
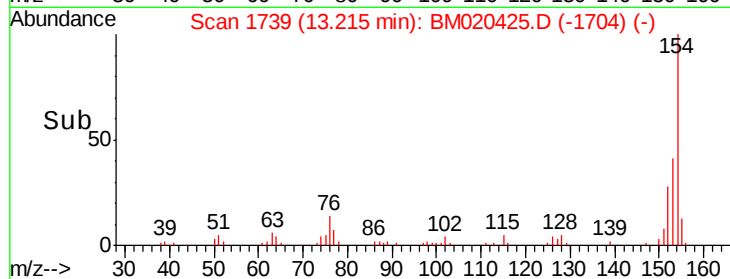
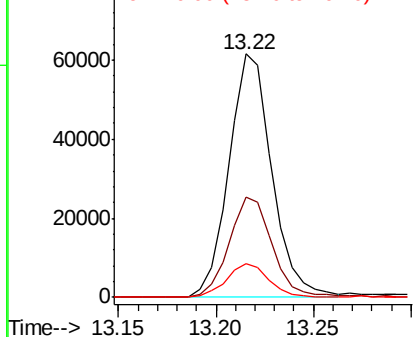
#40
 1,1'-Biphenyl
 Concen: 8.892 ng/ul
 RT: 13.22 min Scan# 1739
 Delta R.T. 0.01 min
 Lab File: BM020425.D
 Acq: 20 May 2019 11:05

Instrument :
 BNA_M
 ClientSampleId :
 GAJ96DL2

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.3	32.2	48.4
76	13.8	11.0	16.4

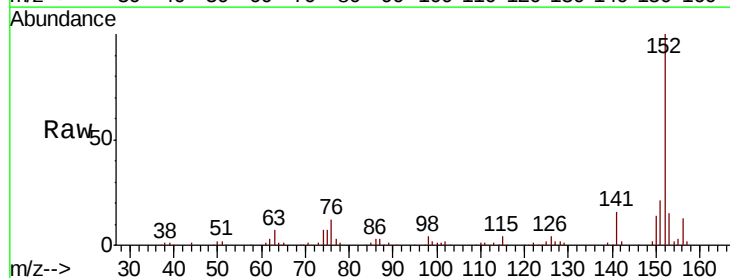


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BM

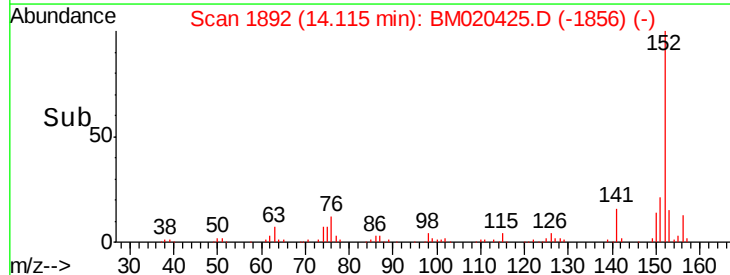
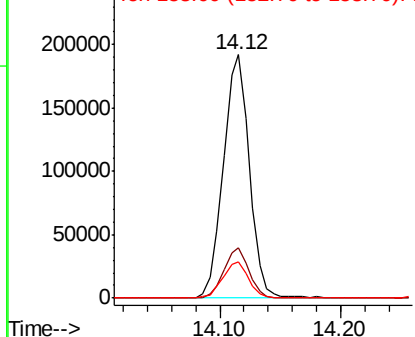


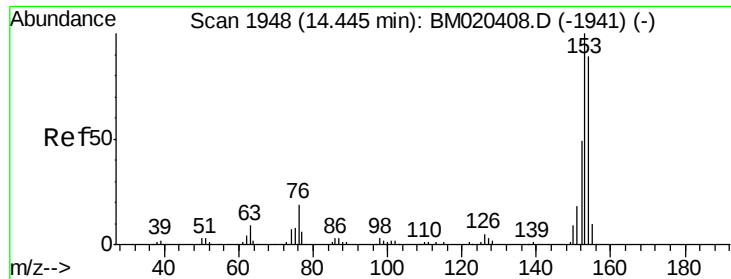
#47
 Acenaphthylene
 Concen: 22.675 ng/ul
 RT: 14.12 min Scan# 1892
 Delta R.T. 0.01 min
 Lab File: BM020425.D
 Acq: 20 May 2019 11:05

Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.8	15.4	23.0
153	15.2	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





#49

Acenaphthene

Concen: 4.064 ng/ul

RT: 14.46 min Scan# 1950

Delta R.T. 0.01 min

Lab File: BM020425.D

Acq: 20 May 2019 11:05

Instrument :

BNA_M

ClientSampleId :

GAJ96DL2

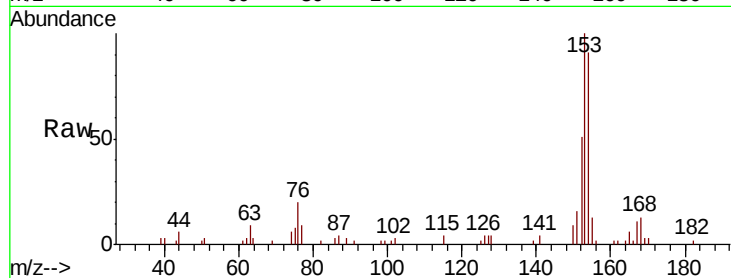
Tgt Ion:153 Resp: 34995

Ion Ratio Lower Upper

153 100

152 50.5 37.9 56.9

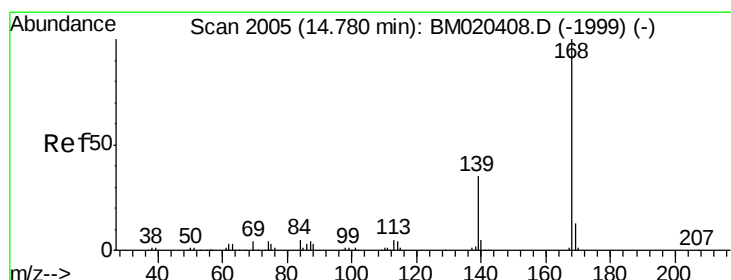
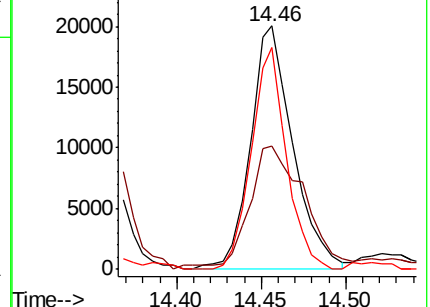
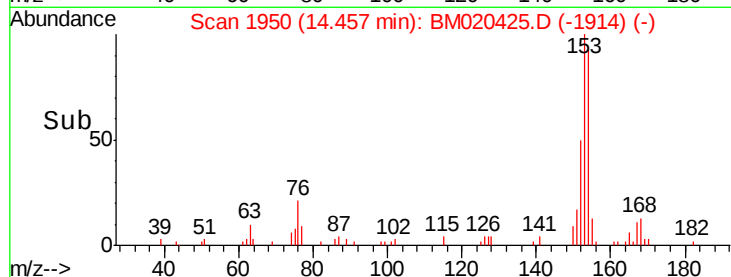
154 91.2 71.2 106.8



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

Dibenzofuran

Concen: 3.049 ng/ul

RT: 14.79 min Scan# 2007

Delta R.T. 0.01 min

Lab File: BM020425.D

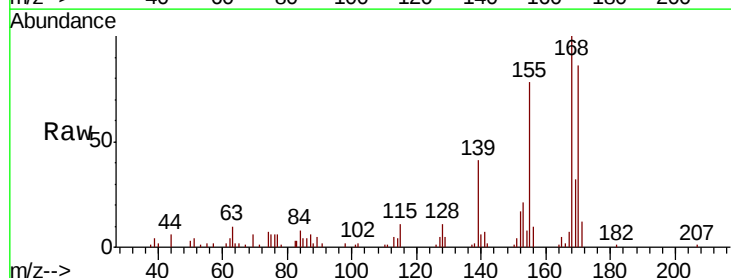
Acq: 20 May 2019 11:05

Tgt Ion:168 Resp: 39765

Ion Ratio Lower Upper

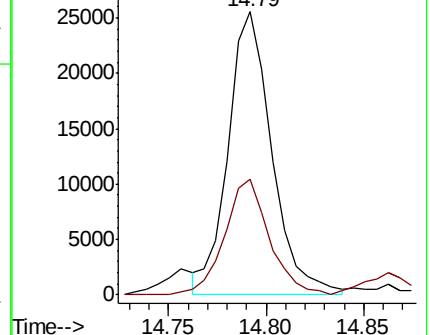
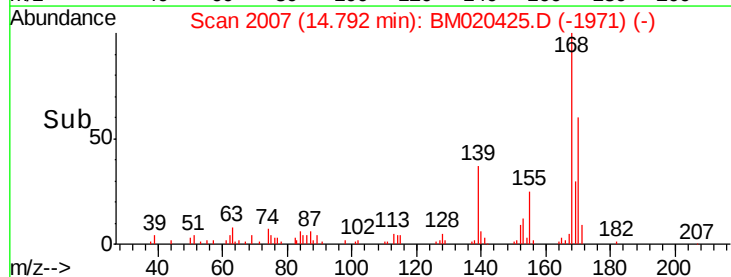
168 100

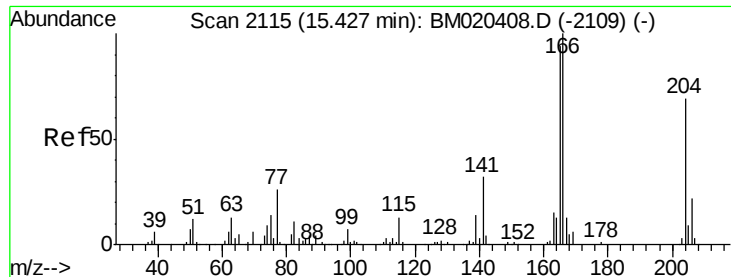
139 41.1 30.1 45.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 18.125 ng/ul

RT: 15.44 min Scan# 2118

Delta R.T. 0.01 min

Lab File: BM020425.D

Acq: 20 May 2019 11:05

Instrument :

BNA_M

ClientSampleId :

GAJ96DL2

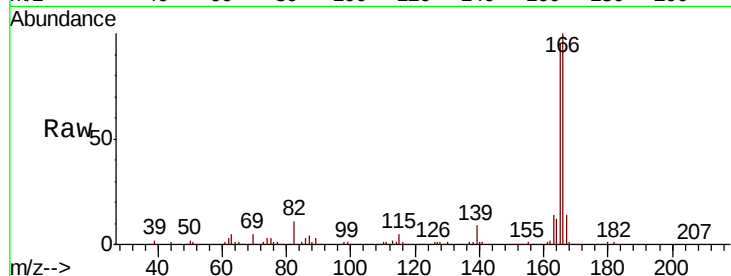
Tgt Ion:166 Resp: 189340

Ion Ratio Lower Upper

166 100

165 95.2 77.1 115.7

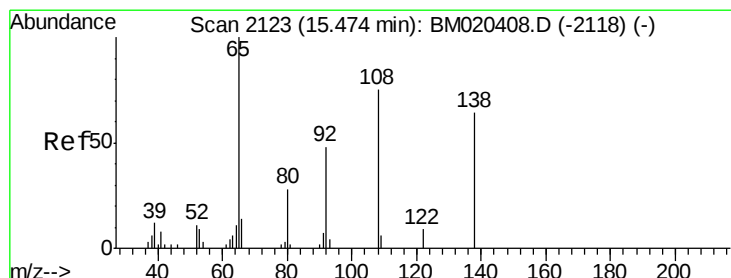
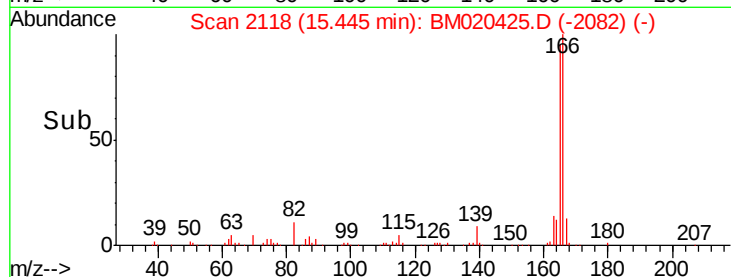
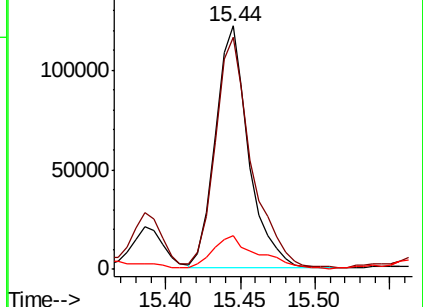
167 13.8 11.1 16.7



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: 1.217 ng/ul

RT: 15.44 min Scan# 2118

Delta R.T. -0.03 min

Lab File: BM020425.D

Acq: 20 May 2019 11:05

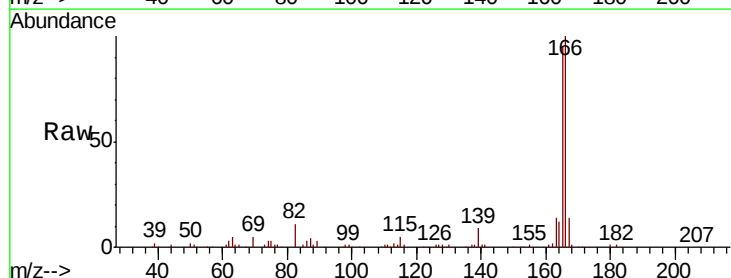
Tgt Ion:138 Resp: 2039

Ion Ratio Lower Upper

138 100

92 0.0 52.2 78.4#

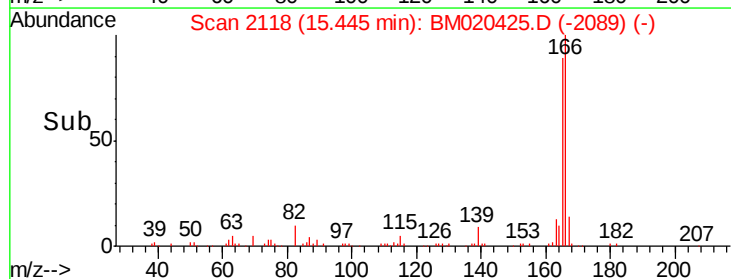
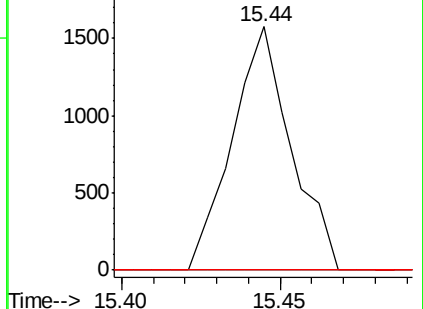
108 0.0 86.6 130.0#

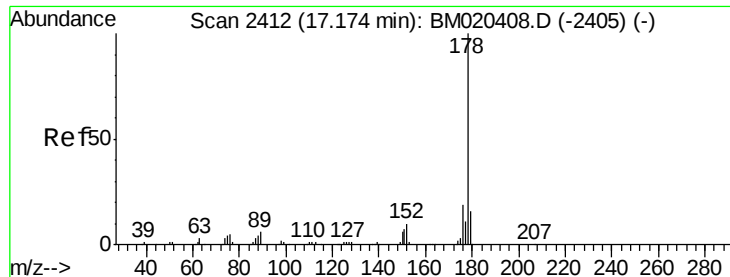


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM0

Ion 108.00 (107.70 to 108.70): E





#69

Phenanthrene

Concen: 70.585 ng/ul

RT: 17.19 min Scan# 2415

Delta R.T. 0.02 min

Lab File: BM020425.D

Acq: 20 May 2019 11:05

Instrument :

BNA_M

ClientSampleId :

GAJ96DL2

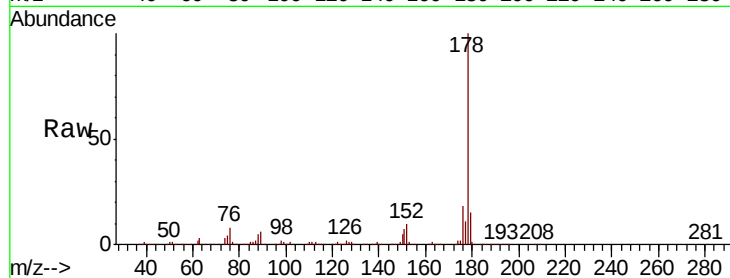
Tgt Ion:178 Resp: 1120536

Ion Ratio Lower Upper

178 100

179 15.3 11.9 17.9

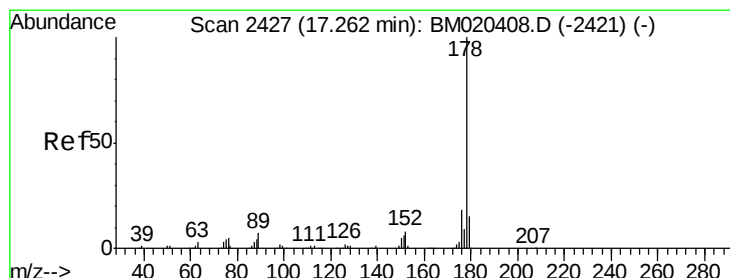
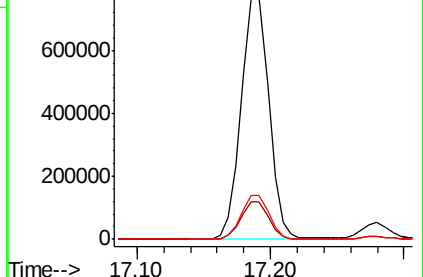
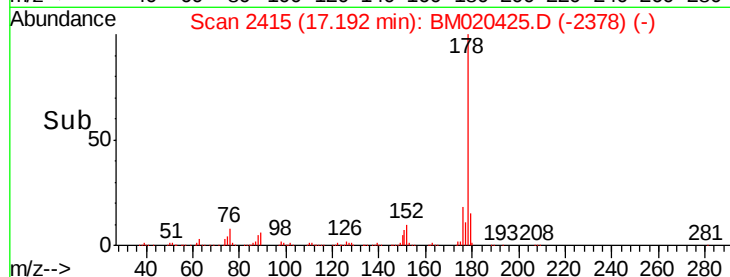
176 18.3 14.6 22.0



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: 4.982 ng/ul

RT: 17.28 min Scan# 2430

Delta R.T. 0.01 min

Lab File: BM020425.D

Acq: 20 May 2019 11:05

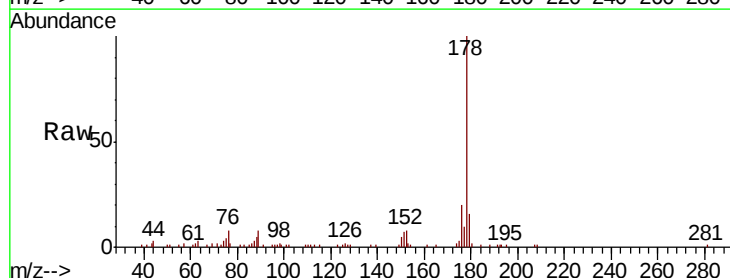
Tgt Ion:178 Resp: 80452

Ion Ratio Lower Upper

178 100

179 15.6 12.4 18.6

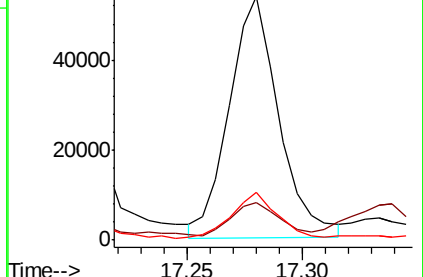
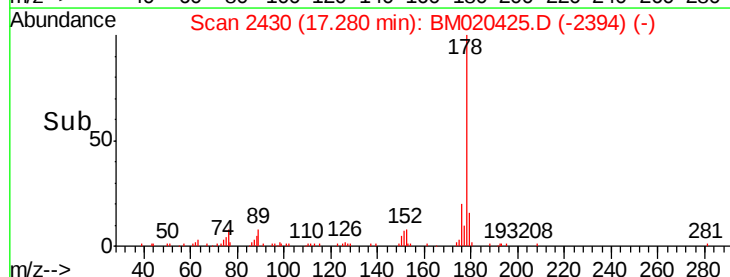
176 19.7 14.4 21.6

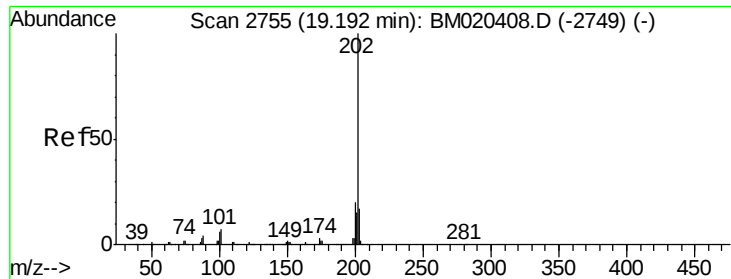


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

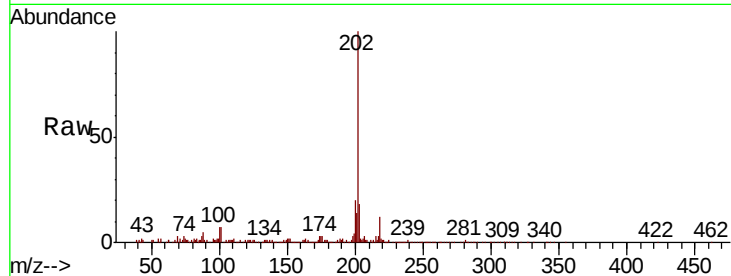




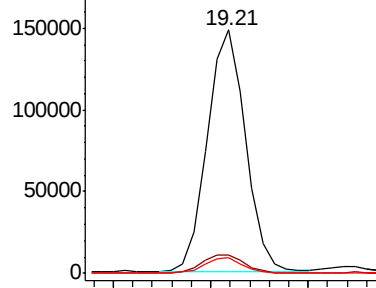
#76
 Fluoranthene
 Concen: 10.008 ng/ul
 RT: 19.21 min Scan# 2758
 Delta R.T. 0.02 min
 Lab File: BM020425.D
 Acq: 20 May 2019 11:05

Instrument :
 BNA_M
 ClientSampleId :
 GAJ96DL2

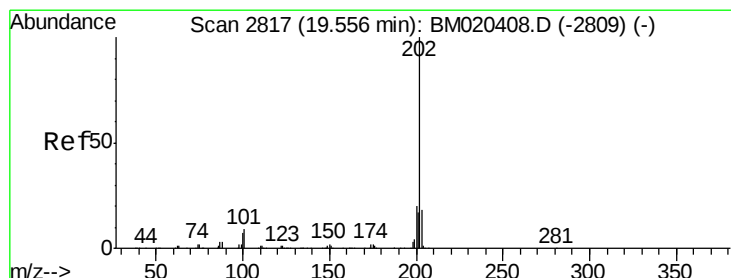
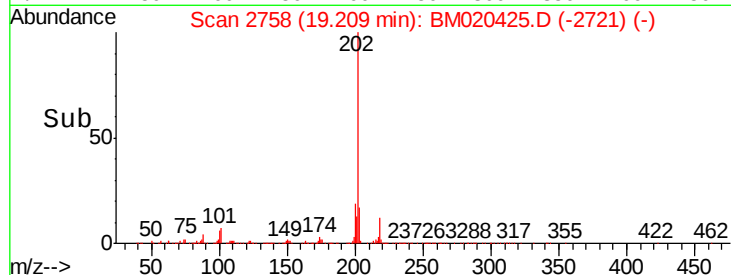
Tgt Ion:	202	Resp:	200696
Ion Ratio	Lower	Upper	
202	100		
101	7.3	6.4	9.6
100	6.6	5.2	7.8



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

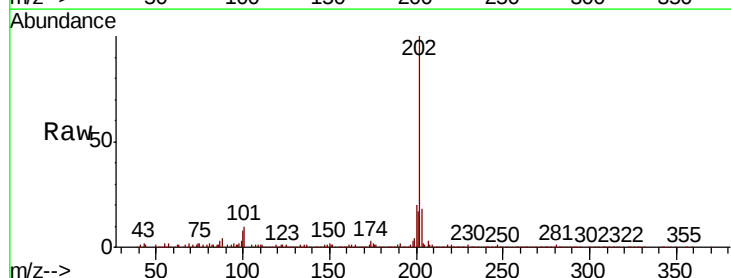


Time-->

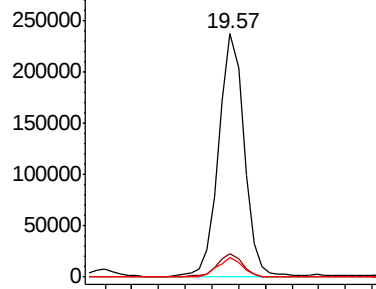


#79
 Pyrene
 Concen: 15.693 ng/ul
 RT: 19.57 min Scan# 2820
 Delta R.T. 0.02 min
 Lab File: BM020425.D
 Acq: 20 May 2019 11:05

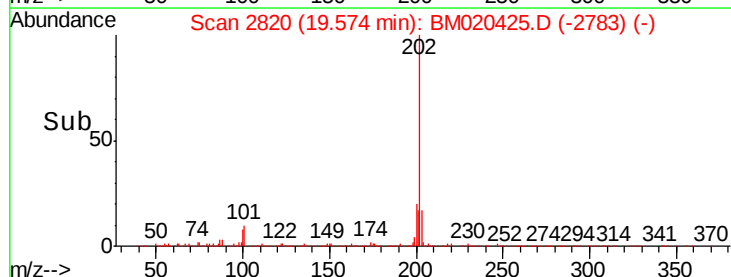
Tgt Ion:	202	Resp:	308650
Ion Ratio	Lower	Upper	
202	100		
101	9.5	7.1	10.7
100	8.1	5.9	8.9

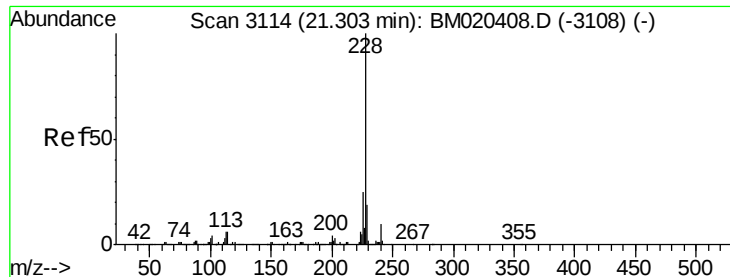


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B



Time-->





#82

Benzo(a)anthracene

Concen: 5.688 ng/ul

RT: 21.33 min Scan# 3118

Delta R.T. 0.02 min

Lab File: BM020425.D

Acq: 20 May 2019 11:05

Instrument :

BNA_M

ClientSampleId :

GAJ96DL2

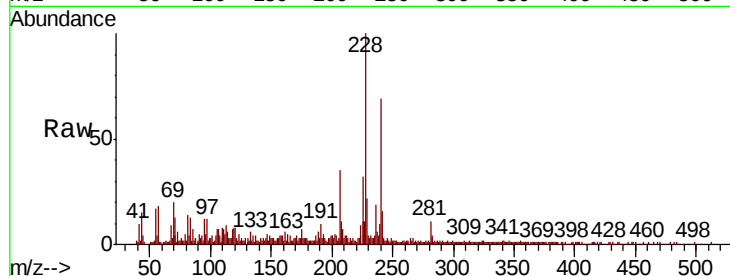
Tgt Ion:228 Resp: 112177

Ion Ratio Lower Upper

228 100

229 21.5 15.8 23.8

226 31.6 20.6 30.8#

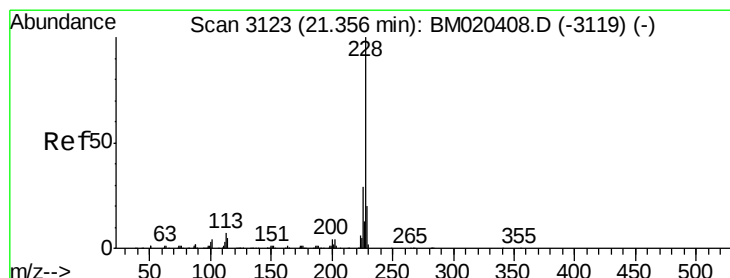
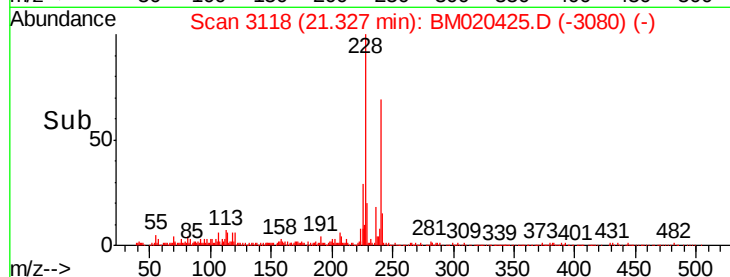
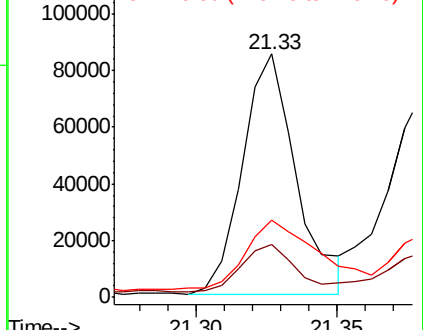


Abundance

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



#84

Chrysene

Concen: 5.358 ng/ul

RT: 21.38 min Scan# 3127

Delta R.T. 0.02 min

Lab File: BM020425.D

Acq: 20 May 2019 11:05

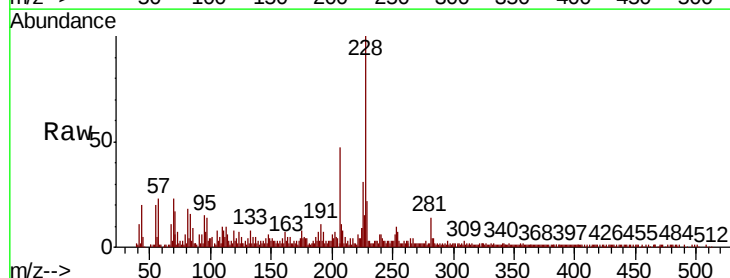
Tgt Ion:228 Resp: 100978

Ion Ratio Lower Upper

228 100

226 30.9 22.2 33.4

229 22.4 15.4 23.2

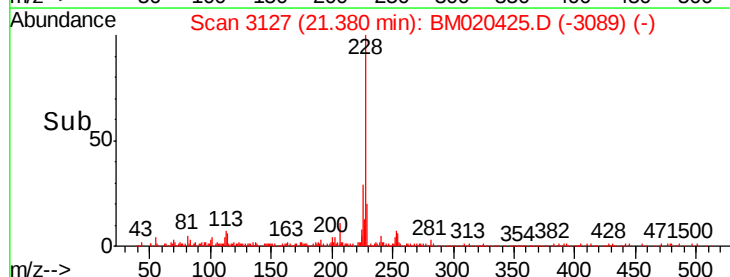
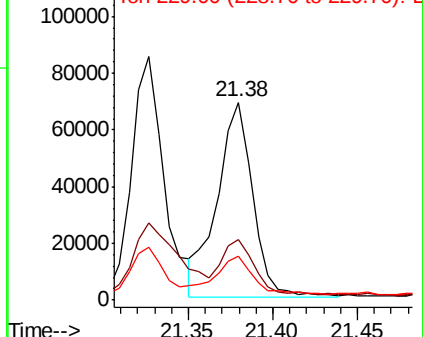


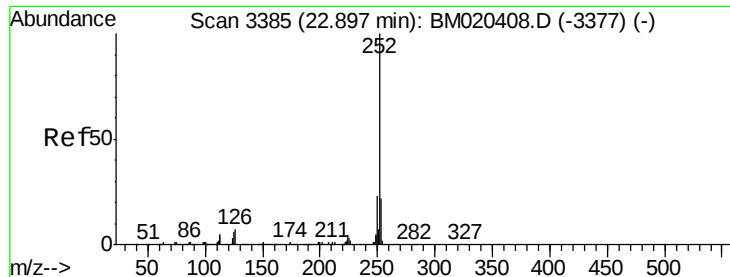
Abundance

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





#87

Benzo(b)fluoranthene

Concen: 3.472 ng/ul

RT: 22.94 min Scan# 3392

Delta R.T. 0.04 min

Lab File: BM020425.D

Acq: 20 May 2019 11:05

Instrument :

BNA_M

ClientSampleId :

GAJ96DL2

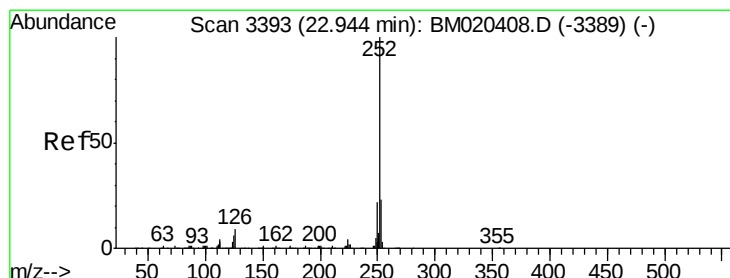
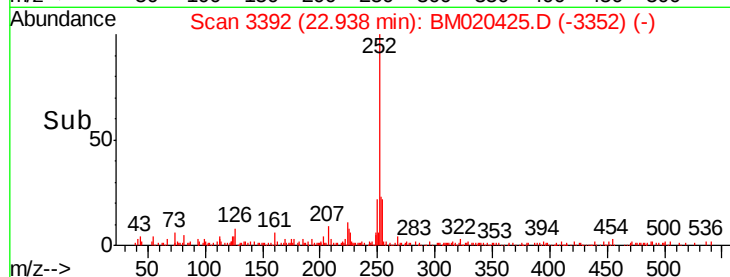
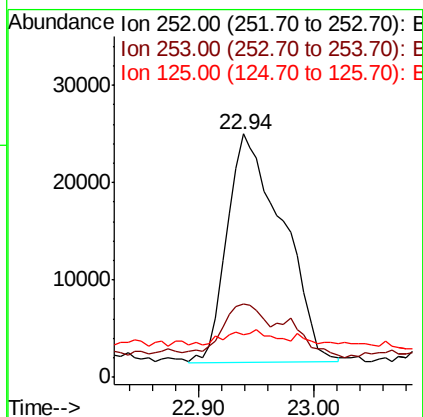
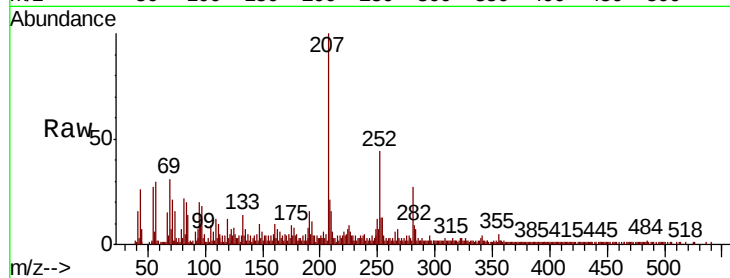
Tgt Ion:252 Resp: 78452

Ion Ratio Lower Upper

252 100

253 30.1 17.0 25.6#

125 17.6 5.0 7.4#



#88

Benzo(k)fluoranthene

Concen: 3.532 ng/ul

RT: 22.94 min Scan# 3392

Delta R.T. -0.01 min

Lab File: BM020425.D

Acq: 20 May 2019 11:05

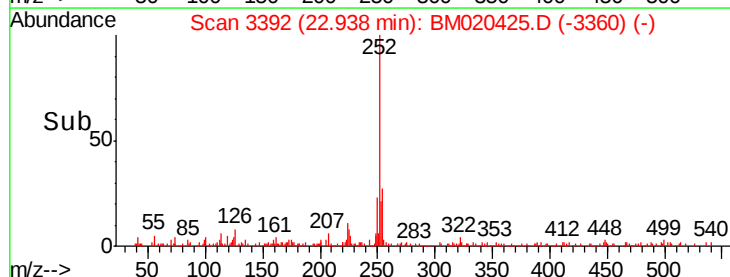
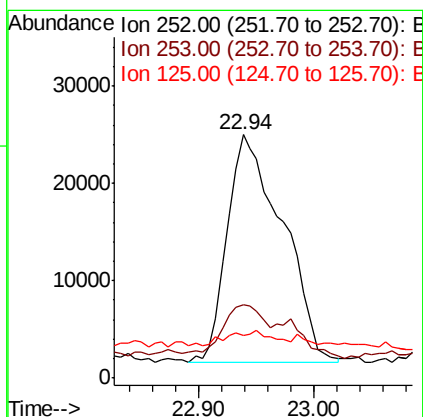
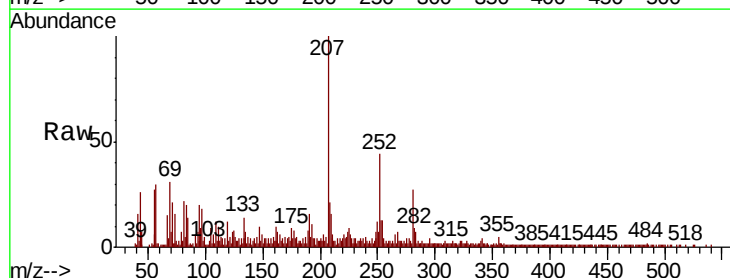
Tgt Ion:252 Resp: 78394

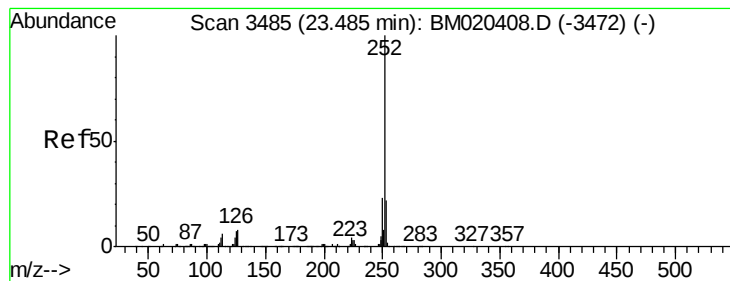
Ion Ratio Lower Upper

252 100

253 30.1 17.6 26.4#

125 17.6 5.0 7.6#





#90

Benzo(a)pyrene

Concen: 1.637 ng/ul

RT: 23.52 min Scan# 3491

Delta R.T. 0.03 min

Lab File: BM020425.D

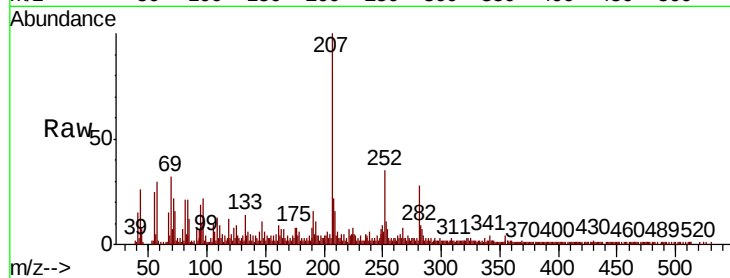
Acq: 20 May 2019 11:05

Instrument :

BNA_M

ClientSampleId :

GAJ96DL2



Tgt Ion:	252	Resp:	34799
Ion	Ratio	Lower	Upper
252	100		
253	32.1	17.4	26.2#
125	24.4	5.4	8.2#

