

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052019\
 Data File : BM020426.D
 Acq On : 20 May 2019 11:41
 Operator : JU/SJ
 Sample : K2633-19DL2 30X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 GAJB1DL2

Quant Time: May 21 02:22:55 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	70262	20.00	ng/ul	0.00
18) Naphthalene-d8	10.53	136	265326	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.39	164	159578	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.14	188	370238	20.00	ng/ul	0.01
77) Chrysene-d12	21.34	240	355215	20.00	ng/ul	0.02
85) Perylene-d12	23.62	264	419577	20.00	ng/ul	0.03

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.24	96	134	0.07	ng/uL	0.02
5) Phenol-d5	6.92	99	1748	0.31	ng/ul	0.02
7) Bis-(2-Chloroethyl)ether-d	7.08	67	963	0.27	ng/ul	0.00
9) 2-Chlorophenol-d4	7.27	132	2009	0.49	ng/ul	0.00
13) 4-Methylphenol-d8	8.45	113	107	0.03	ng/ul	0.02
19) Nitrobenzene-d5	8.92	128	240	0.14	ng/ul	0.02
22) 2-Nitrophenol-d4	9.63	143	465	0.24	ng/ul	0.02
26) 2,4-Dichlorophenol-d3	10.16	165	821	0.20	ng/ul	0.01
29) 4-Chloroaniline-d4	10.71	131	684	0.16	ng/ul	0.04
43) Dimethylphthalate-d6	13.80	166	8797	0.77	ng/ul	0.01
46) Acenaphthylene-d8	14.09	160	10303	0.72	ng/ul	0.01
51) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
57) Fluorene-d10	15.39	176	8713	0.85	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
70) Anthracene-d10	17.24	188	14938	0.94	ng/ul	0.01
78) Pyrene-d10	19.54	212	15397	0.90	ng/ul	0.02
89) Benzo(a)pyrene-d12	23.47	264	15296	0.80	ng/ul	0.03

Target Compounds

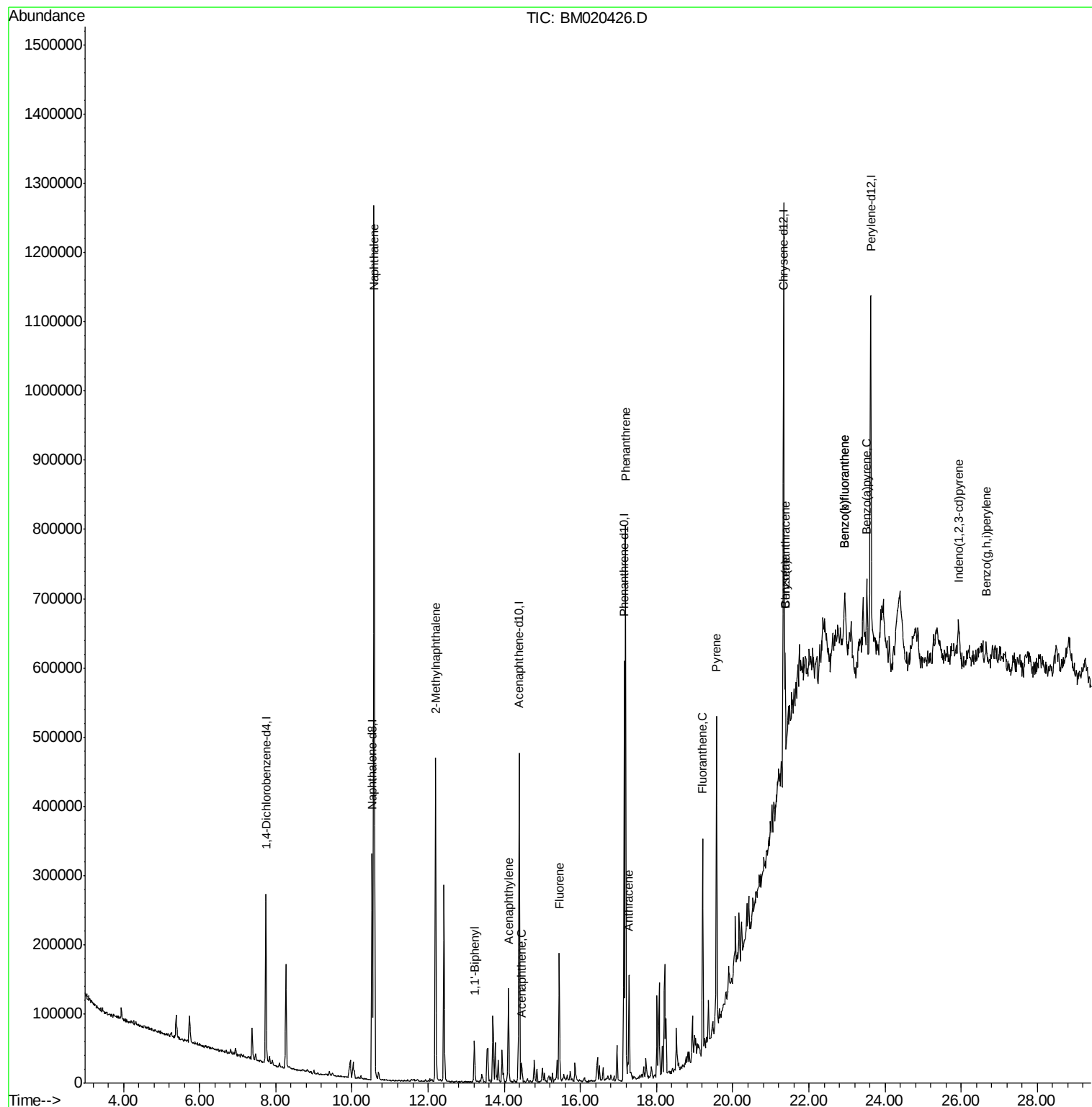
					Qvalue	
28) Naphthalene	10.58	128	967023	79.328	ng/ul	100
34) 2-Methylnaphthalene	12.20	142	216341	24.511	ng/ul	94
40) 1,1'-Biphenyl	13.22	154	36218	3.170	ng/ul	96
47) Acenaphthylene	14.11	152	79552	5.874	ng/ul	98
49) Acenaphthene	14.45	153	12105	1.300	ng/ul	99
58) Fluorene	15.44	166	82388	7.295	ng/ul	95
69) Phenanthrene	17.19	178	471694	26.739	ng/ul	100
71) Anthracene	17.28	178	100792	5.617	ng/ul	98
76) Fluoranthene	19.21	202	187813	8.428	ng/ul	98
79) Pyrene	19.57	202	267331	12.539	ng/ul	99
82) Benzo(a)anthracene	21.37	228	80811	3.780	ng/ul	94
84) Chrysene	21.37	228	80811	3.955	ng/ul	96
87) Benzo(b)fluoranthene	22.94	252	66607	2.782	ng/ul#	83
88) Benzo(k)fluoranthene	22.94	252	66607	2.832	ng/ul#	85
90) Benzo(a)pyrene	23.52	252	75280	3.340	ng/ul#	90
91) Indeno(1,2,3-cd)pyrene	25.94	276	30488	1.187	ng/ul	94
93) Benzo(g,h,i)perylene	26.66	276	25306	1.191	ng/ul#	82

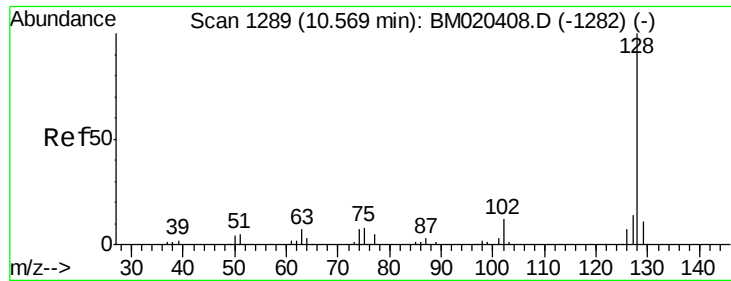
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#28

Naphthalene

Concen: 79.328 ng/ul

RT: 10.58 min Scan# 1291

Delta R.T. 0.01 min

Lab File: BM020426.D

Acq: 20 May 2019 11:41

Instrument :

BNA_M

ClientSampleId :

GAJB1DL2

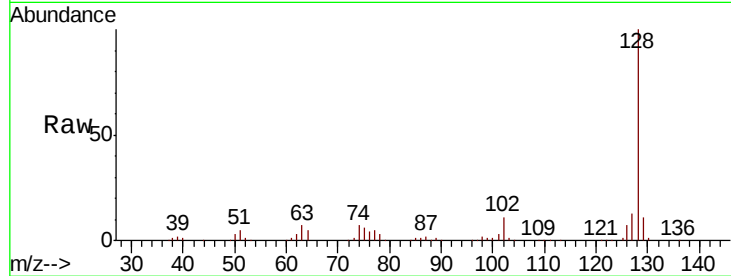
Tgt Ion:128 Resp: 967023

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

127 13.1 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

800000

600000

400000

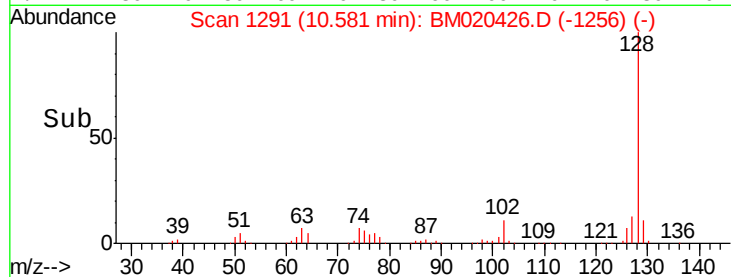
200000

0

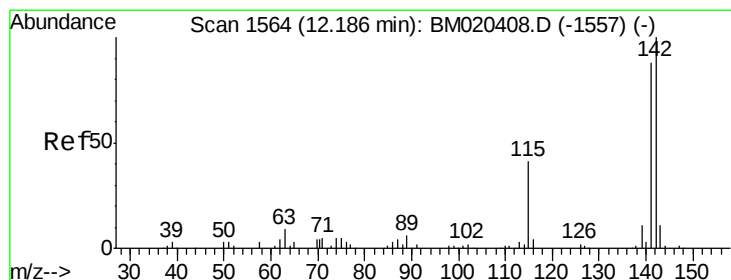
10.50

10.60

10.70



Time-->



#34

2-Methylnaphthalene

Concen: 24.511 ng/ul

RT: 12.20 min Scan# 1566

Delta R.T. 0.01 min

Lab File: BM020426.D

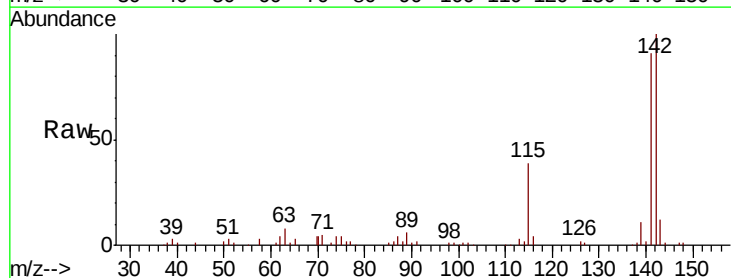
Acq: 20 May 2019 11:41

Tgt Ion:142 Resp: 216341

Ion Ratio Lower Upper

142 100

141 91.0 68.6 102.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

150000

100000

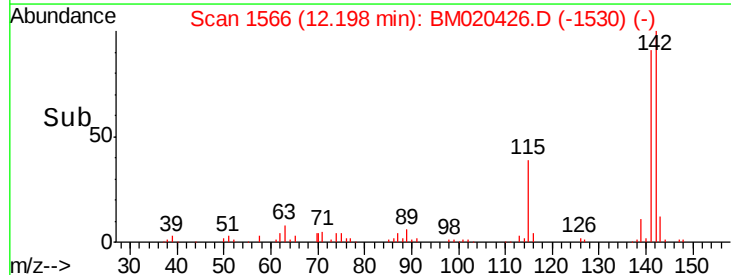
50000

0

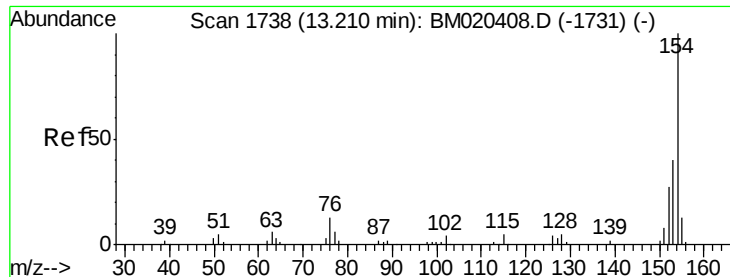
12.15

12.20

12.25



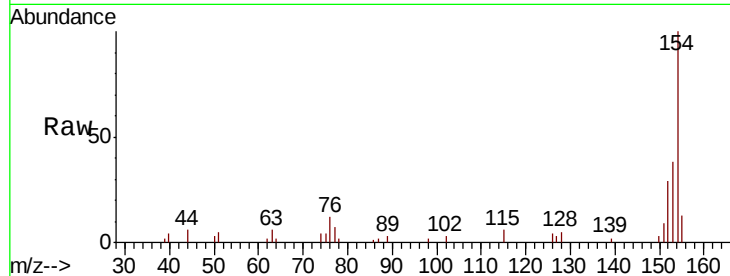
Time-->



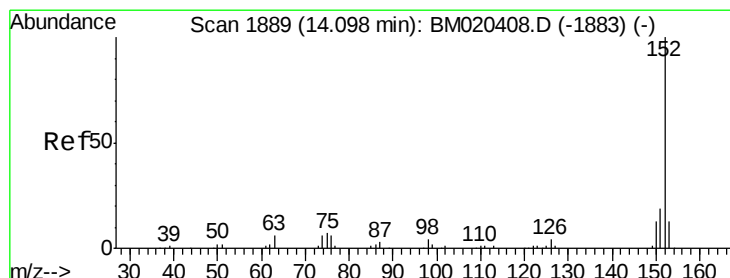
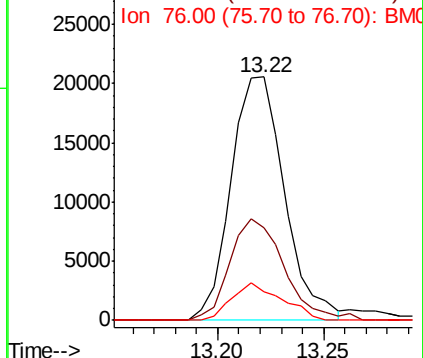
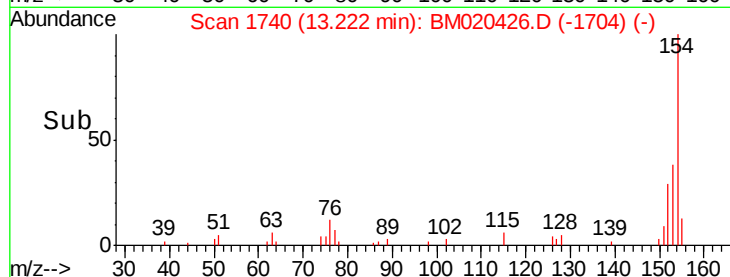
#40
 1,1'-Biphenyl
 Concen: 3.170 ng/ul
 RT: 13.22 min Scan# 1740
 Delta R.T. 0.01 min
 Lab File: BM020426.D
 Acq: 20 May 2019 11:41

Instrument :
 BNA_M
 ClientSampleId :
 GAJB1DL2

Tgt Ion:154 Resp: 36218
 Ion Ratio Lower Upper
 154 100
 153 37.9 32.2 48.4
 76 11.7 11.0 16.4

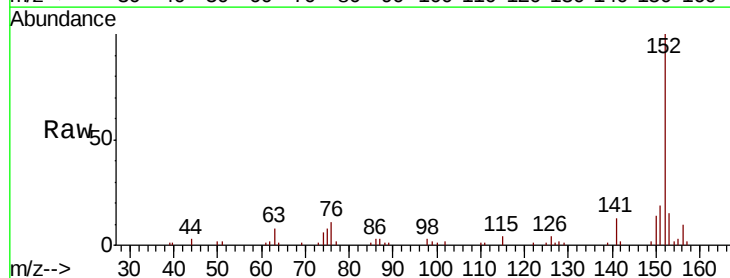


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BM

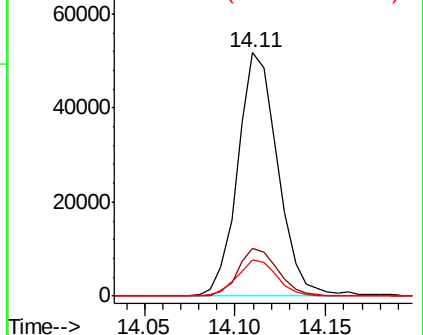
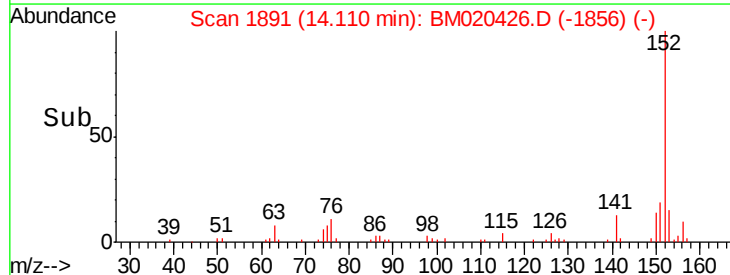


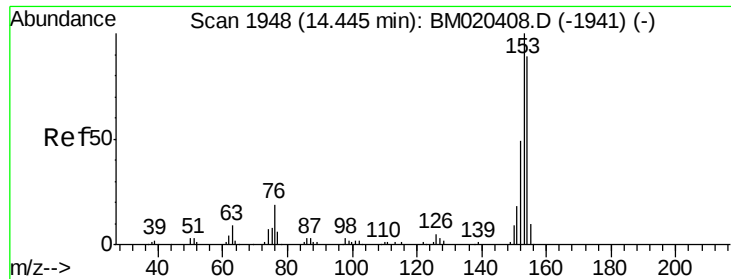
#47
 Acenaphthylene
 Concen: 5.874 ng/ul
 RT: 14.11 min Scan# 1891
 Delta R.T. 0.01 min
 Lab File: BM020426.D
 Acq: 20 May 2019 11:41

Tgt Ion:152 Resp: 79552
 Ion Ratio Lower Upper
 152 100
 151 19.4 15.4 23.0
 153 15.0 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: 1.300 ng/ul

RT: 14.45 min Scan# 1949

Delta R.T. 0.01 min

Lab File: BM020426.D

Acq: 20 May 2019 11:41

Instrument :

BNA_M

ClientSampleId :

GAJB1DL2

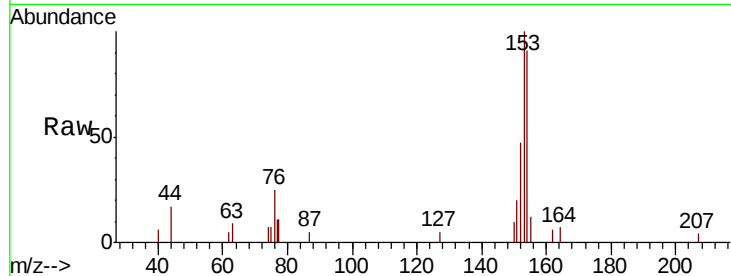
Tgt Ion:153 Resp: 12105

Ion Ratio Lower Upper

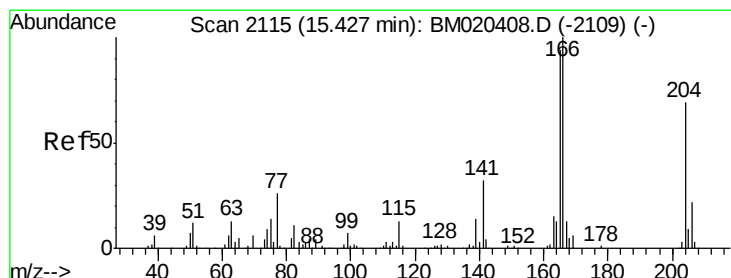
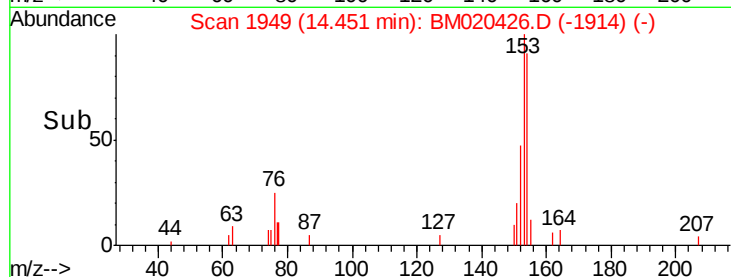
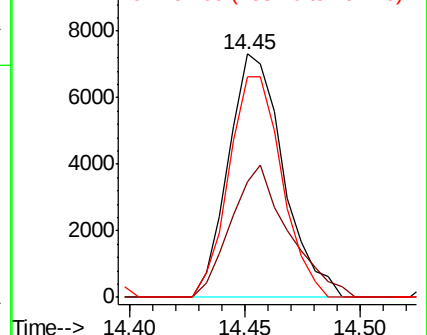
153 100

152 47.5 37.9 56.9

154 90.6 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



#58

Fluorene

Concen: 7.295 ng/ul

RT: 15.44 min Scan# 2117

Delta R.T. 0.01 min

Lab File: BM020426.D

Acq: 20 May 2019 11:41

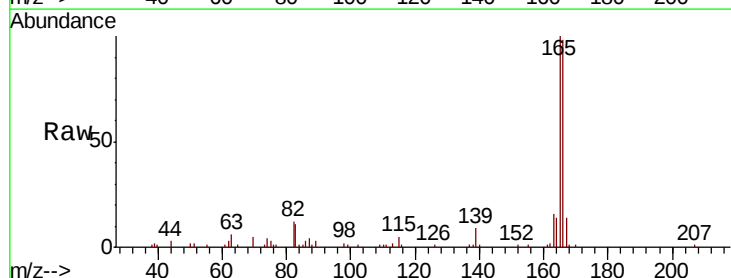
Tgt Ion:166 Resp: 82388

Ion Ratio Lower Upper

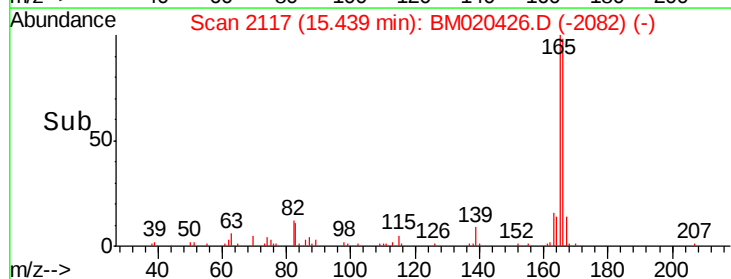
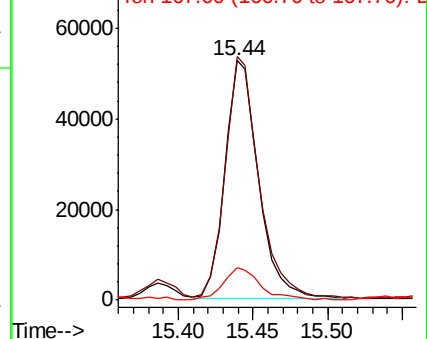
166 100

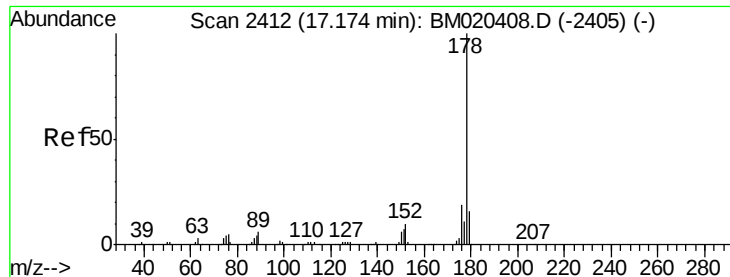
165 101.7 77.1 115.7

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





#69

Phenanthrene

Concen: 26.739 ng/ul

RT: 17.19 min Scan# 2414

Delta R.T. 0.01 min

Lab File: BM020426.D

Acq: 20 May 2019 11:41

Instrument :

BNA_M

ClientSampleId :

GAJB1DL2

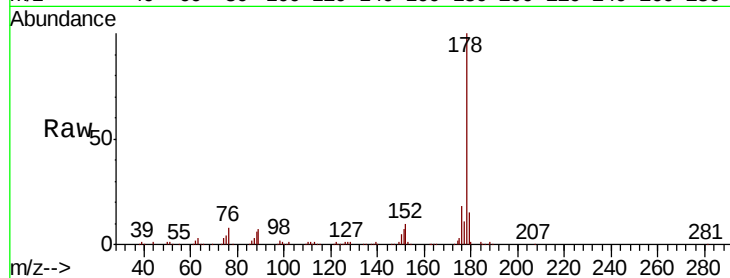
Tgt Ion:178 Resp: 471694

Ion Ratio Lower Upper

178 100

179 15.3 11.9 17.9

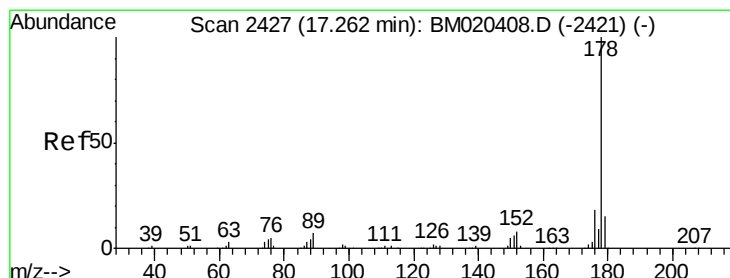
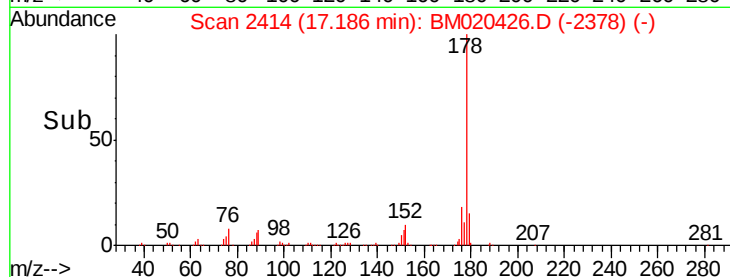
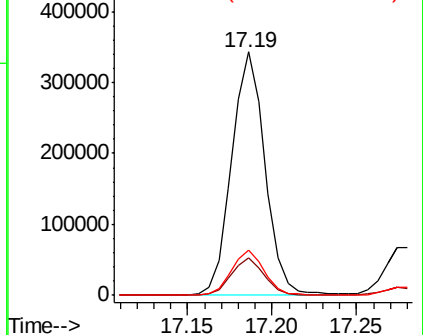
176 18.3 14.6 22.0



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: 5.617 ng/ul

RT: 17.28 min Scan# 2430

Delta R.T. 0.01 min

Lab File: BM020426.D

Acq: 20 May 2019 11:41

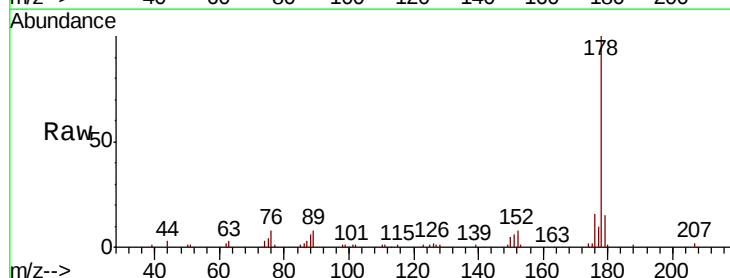
Tgt Ion:178 Resp: 100792

Ion Ratio Lower Upper

178 100

179 15.2 12.4 18.6

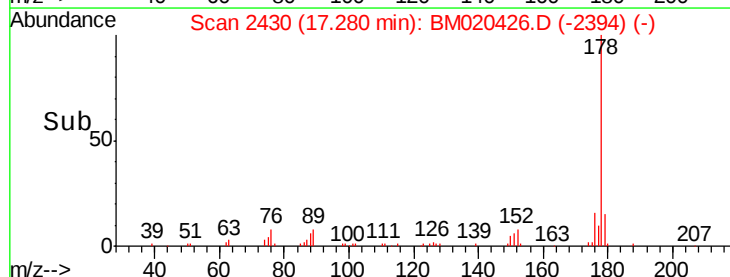
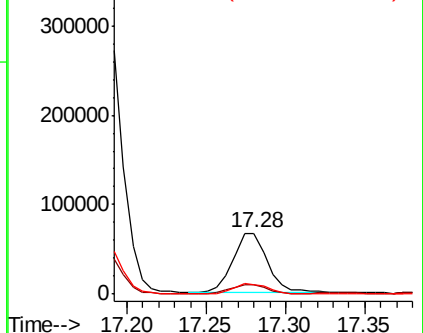
176 16.4 14.4 21.6

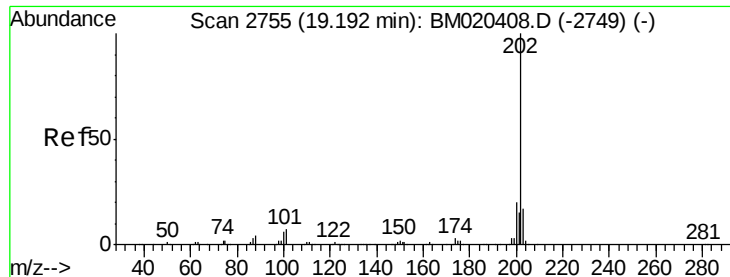


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#76

Fluoranthene

Concen: 8.428 ng/ul

RT: 19.21 min Scan# 2758

Delta R.T. 0.02 min

Lab File: BM020426.D

Acq: 20 May 2019 11:41

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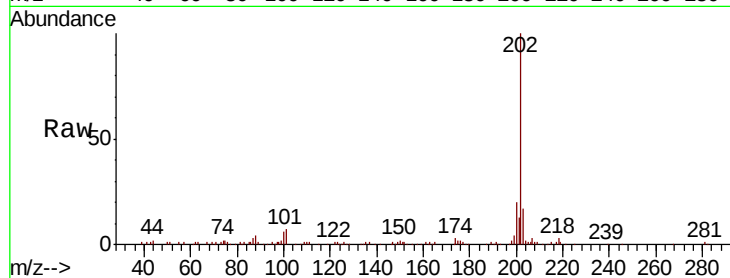
Tgt Ion:202 Resp: 187813

Ion Ratio Lower Upper

202 100

101 7.1 6.4 9.6

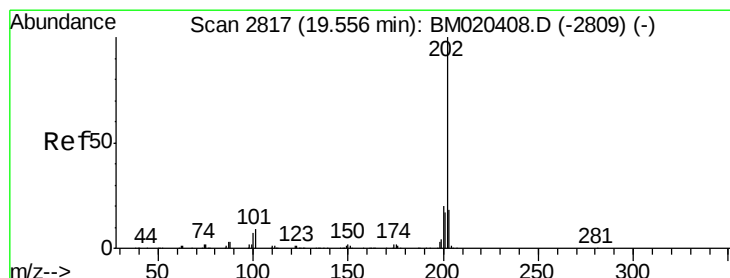
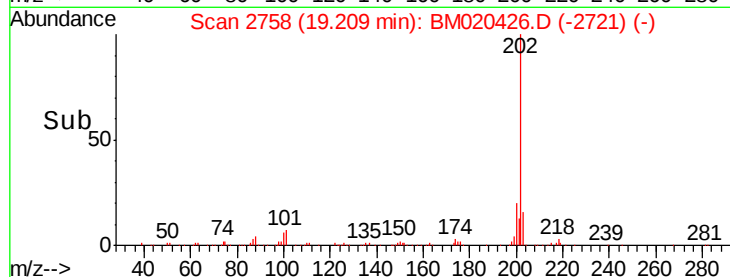
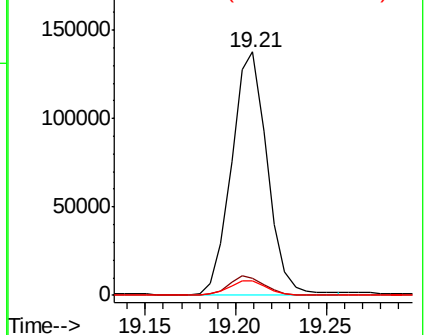
100 6.1 5.2 7.8



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



#79

Pyrene

Concen: 12.539 ng/ul

RT: 19.57 min Scan# 2820

Delta R.T. 0.02 min

Lab File: BM020426.D

Acq: 20 May 2019 11:41

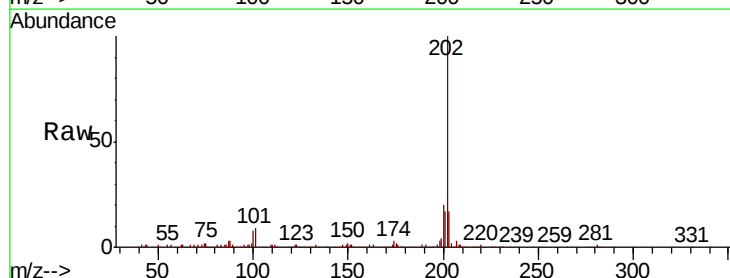
Tgt Ion:202 Resp: 267331

Ion Ratio Lower Upper

202 100

101 8.6 7.1 10.7

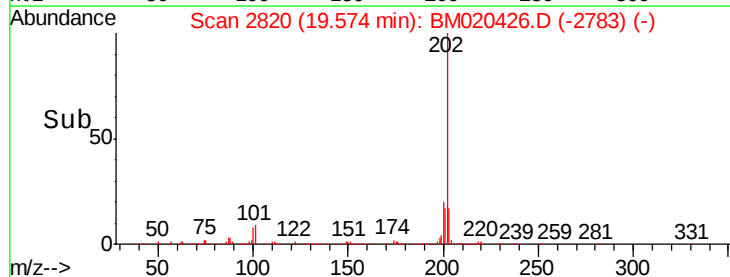
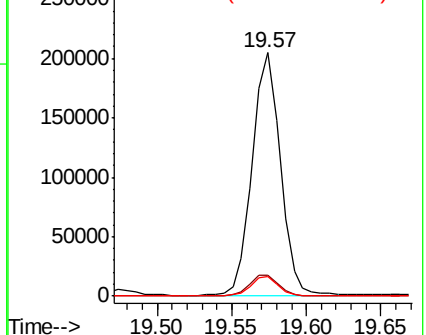
100 8.0 5.9 8.9

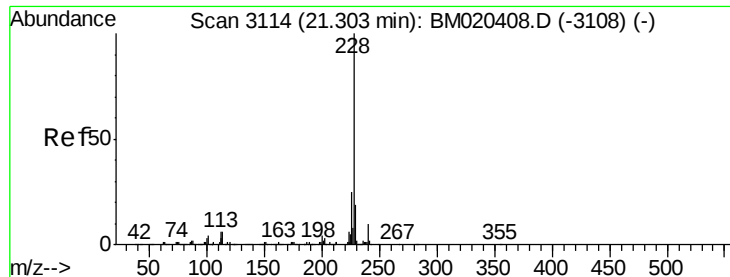


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#82

Benzo(a)anthracene

Concen: 3.780 ng/ul

RT: 21.37 min Scan# 3126

Delta R.T. 0.07 min

Lab File: BM020426.D

Acq: 20 May 2019 11:41

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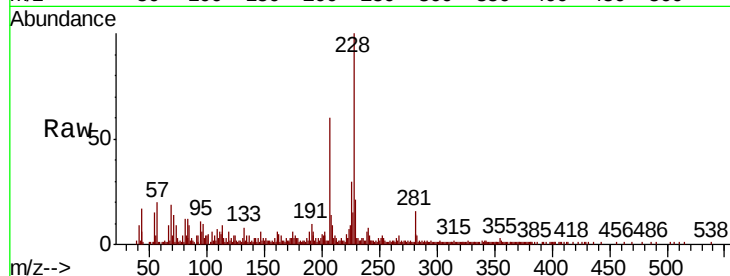
Tgt Ion:228 Resp: 80811

Ion Ratio Lower Upper

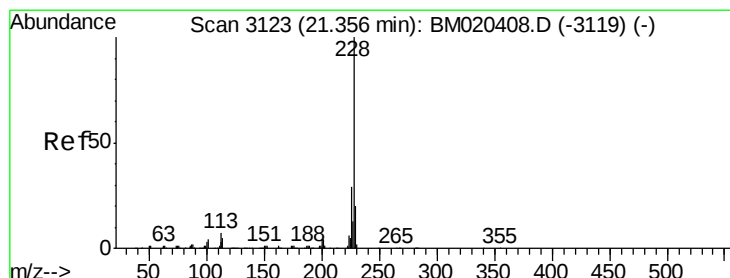
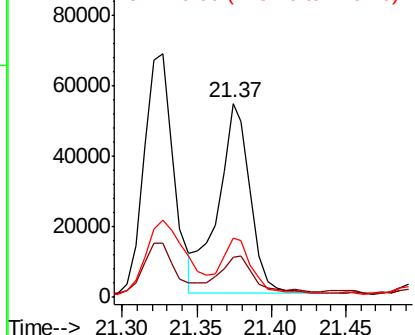
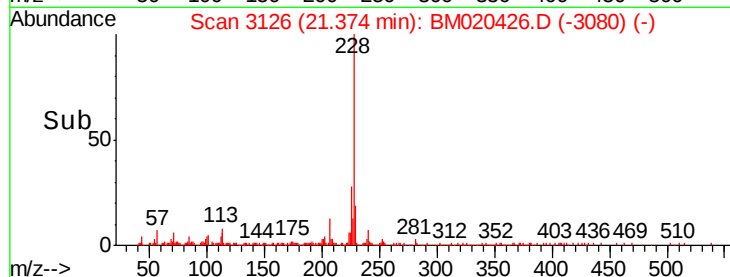
228 100

229 20.9 15.8 23.8

226 30.2 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: 3.955 ng/ul

RT: 21.37 min Scan# 3126

Delta R.T. 0.02 min

Lab File: BM020426.D

Acq: 20 May 2019 11:41

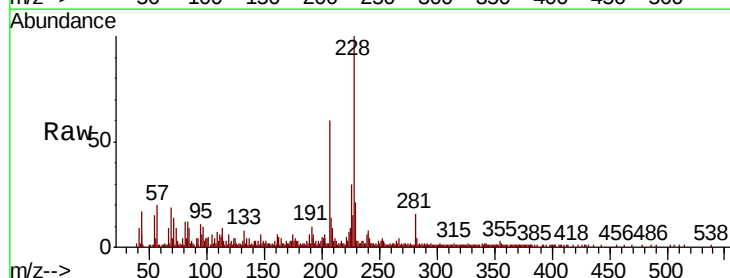
Tgt Ion:228 Resp: 80811

Ion Ratio Lower Upper

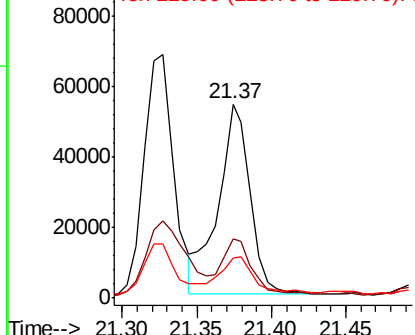
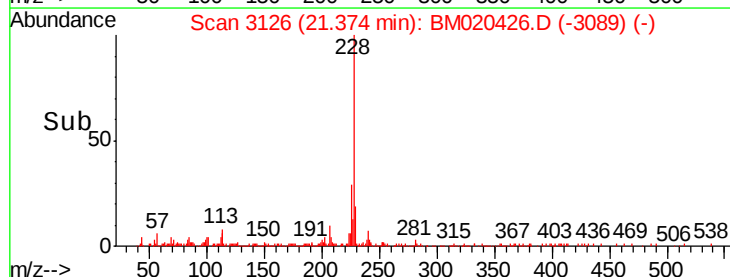
228 100

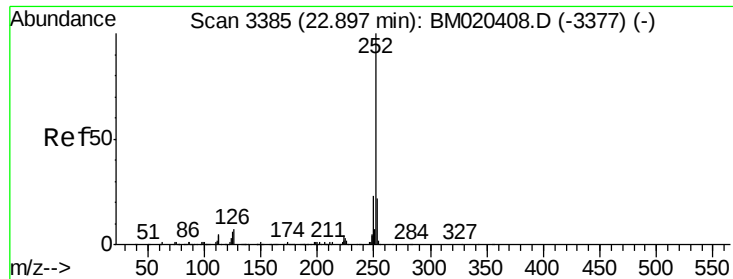
226 30.2 22.2 33.4

229 20.9 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: 2.782 ng/ul

RT: 22.94 min Scan# 3392

Delta R.T. 0.04 min

Lab File: BM020426.D

Acq: 20 May 2019 11:41

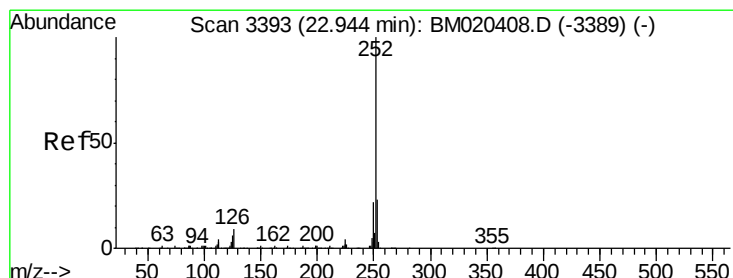
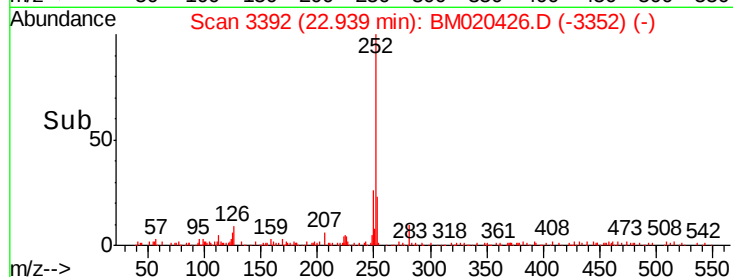
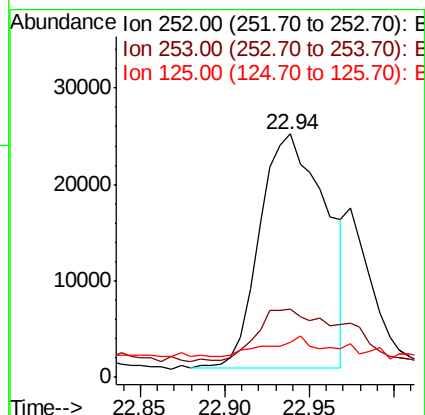
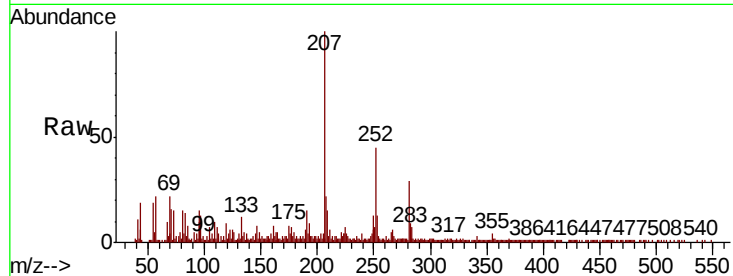
Instrument :

BNA_M

ClientSampleId :

GAJB1DL2

Tgt Ion:	252	Resp:	66607
Ion Ratio	Lower	Upper	
252	100		
253	28.0	17.0	25.6#
125	14.4	5.0	7.4#



#88

Benzo(k)fluoranthene

Concen: 2.832 ng/ul

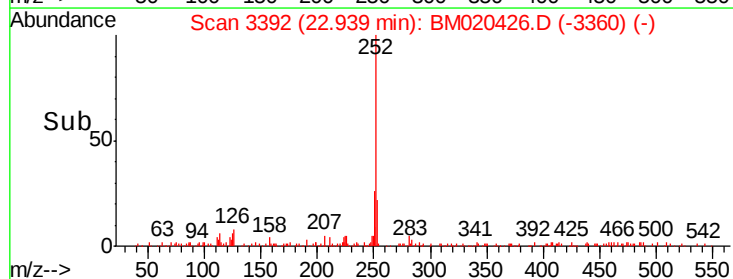
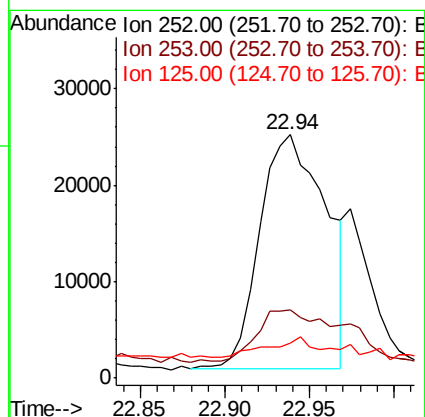
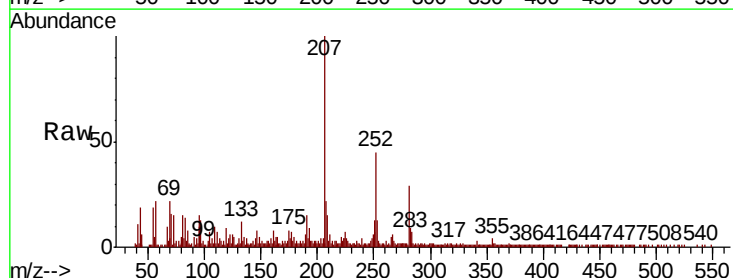
RT: 22.94 min Scan# 3392

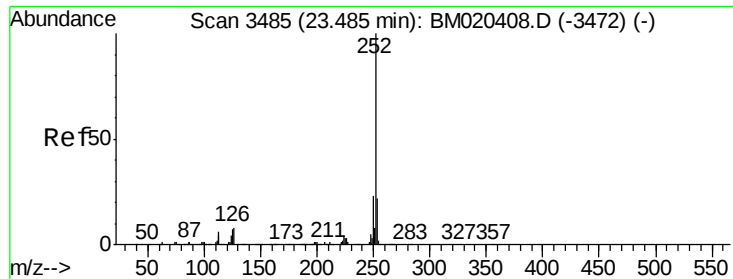
Delta R.T. -0.01 min

Lab File: BM020426.D

Acq: 20 May 2019 11:41

Tgt Ion:	252	Resp:	66607
Ion Ratio	Lower	Upper	
252	100		
253	28.0	17.6	26.4#
125	14.4	5.0	7.6#





#90

Benzo(a)pyrene

Concen: 3.340 ng/ul

RT: 23.52 min Scan# 3491

Delta R.T. 0.03 min

Lab File: BM020426.D

Acq: 20 May 2019 11:41

Instrument :

BNA_M

ClientSampleId :

GAJB1DL2

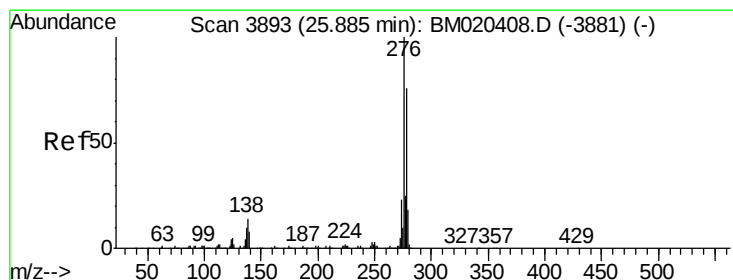
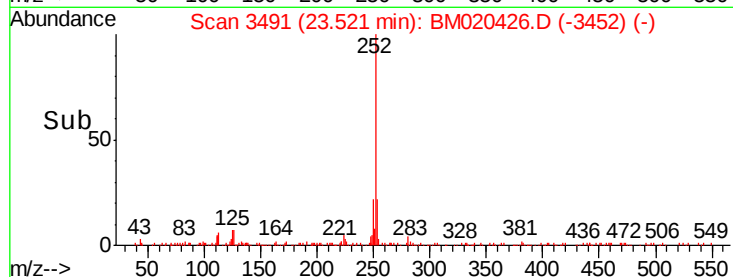
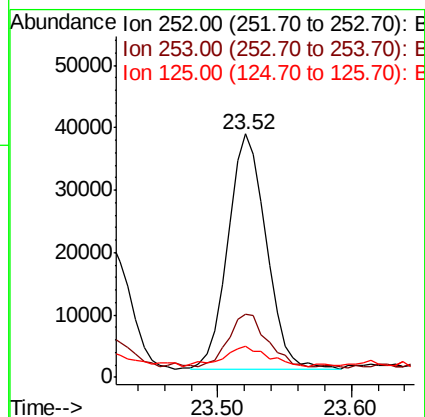
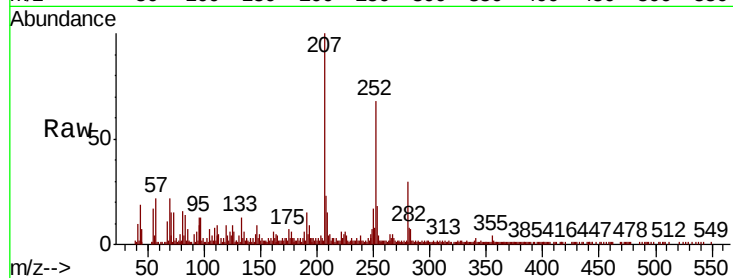
Tgt Ion:252 Resp: 75280

Ion Ratio Lower Upper

252 100

253 25.8 17.4 26.2

125 12.5 5.4 8.2#



#91

Indeno(1,2,3-cd)pyrene

Concen: 1.187 ng/ul

RT: 25.94 min Scan# 3903

Delta R.T. 0.05 min

Lab File: BM020426.D

Acq: 20 May 2019 11:41

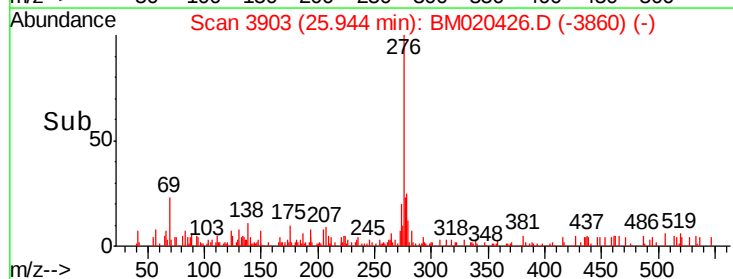
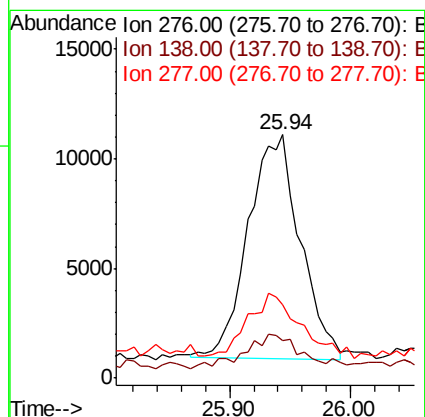
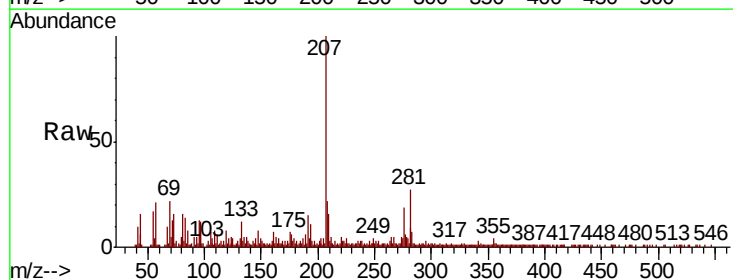
Tgt Ion:276 Resp: 30488

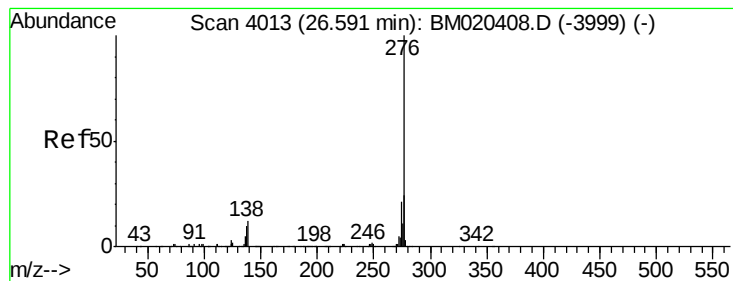
Ion Ratio Lower Upper

276 100

138 15.4 12.3 18.5

277 29.9 20.0 30.0





#93

Benzo(g,h,i)perylene

Concen: 1.191 ng/ul

RT: 26.66 min Scan# 4024

Delta R.T. 0.06 min

Lab File: BM020426.D

Acq: 20 May 2019 11:41

Instrument :

BNA_M

ClientSampleId :

GAJB1DL2

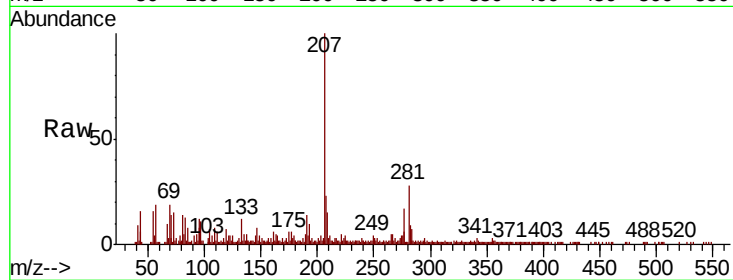
Tgt Ion: 276 Resp: 25306

Ion Ratio Lower Upper

276 100

138 14.7 10.0 15.0

277 34.6 18.2 27.4#



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

