

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM052019\
 Data File : BM020429.D
 Acq On : 20 May 2019 13:30
 Operator : JU/SJ
 Sample : K2633-19DL 10X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 GAJB1DL

Quant Time: May 21 02:23:30 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	7.73	152	76843	20.00	ng/ul	0.00
18) Naphthalene-d8	10.53	136	284096	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.39	164	155566	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.14	188	360322	20.00	ng/ul	0.01
77) Chrysene-d12	21.34	240	355871	20.00	ng/ul	0.02
85) Perylene-d12	23.63	264	423217	20.00	ng/ul	0.04

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	435	0.21	ng/uL	0.00
5) Phenol-d5	6.90	99	9206	1.50	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.08	67	5831	1.50	ng/ul	0.00
9) 2-Chlorophenol-d4	7.27	132	8662	1.93	ng/ul	0.00
13) 4-Methylphenol-d8	8.45	113	3521	0.79	ng/ul	0.02
19) Nitrobenzene-d5	8.91	128	3132	1.69	ng/ul	0.01
22) 2-Nitrophenol-d4	9.62	143	3592	1.76	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.15	165	6801	1.58	ng/ul	0.00
29) 4-Chloroaniline-d4	10.69	131	4255	0.96	ng/ul	0.02
43) Dimethylphthalate-d6	13.80	166	28297	2.53	ng/ul	0.00
46) Acenaphthylene-d8	14.08	160	34546	2.47	ng/ul	0.00
51) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
57) Fluorene-d10	15.39	176	24287	2.44	ng/ul	0.01
62) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
70) Anthracene-d10	17.24	188	41118	2.66	ng/ul	0.00
78) Pyrene-d10	19.54	212	47225	2.76	ng/ul	0.02
89) Benzo(a)pyrene-d12	23.47	264	47761	2.48	ng/ul	0.03

Target Compounds

					Qvalue	
17) Hexachloroethane	8.83	117	3703	1.709	ng/ul#	1
28) Naphthalene	10.59	128	3255122	249.384	ng/ul	99
34) 2-Methylnaphthalene	12.20	142	721777	76.373	ng/ul	97
40) 1,1'-Biphenyl	13.22	154	128467	11.535	ng/ul	97
47) Acenaphthylene	14.11	152	254318	19.263	ng/ul	97
49) Acenaphthene	14.45	153	38709	4.265	ng/ul	98
53) Dibenzofuran	14.79	168	42026	3.058	ng/ul	97
58) Fluorene	15.44	166	267974	24.338	ng/ul	99
60) 4-Nitroaniline	15.44	138	2760	1.563	ng/ul#	4
69) Phenanthrene	17.19	178	1458332	84.943	ng/ul	100
71) Anthracene	17.27	178	311863	17.857	ng/ul	100
76) Fluoranthene	19.21	202	587557	27.092	ng/ul	99
79) Pyrene	19.57	202	847584	39.681	ng/ul	97
82) Benzo(a)anthracene	21.33	228	303277	14.159	ng/ul	94
84) Chrysene	21.38	228	259578	12.681	ng/ul	97
87) Benzo(b)fluoranthene	22.94	252	268279	11.107	ng/ul#	96
88) Benzo(k)fluoranthene	22.94	252	268279	11.308	ng/ul#	97
90) Benzo(a)pyrene	23.52	252	239233	10.524	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.93	276	96799	3.737	ng/ul#	96
92) Dibenzo(a,h)anthracene	25.94	278	28856	1.303	ng/ul#	84
93) Benzo(g,h,i)perylene	26.66	276	88000	4.104	ng/ul	97

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QLast Update : Sat May 18 05:13:49 2019
Response via : Initial Calibration

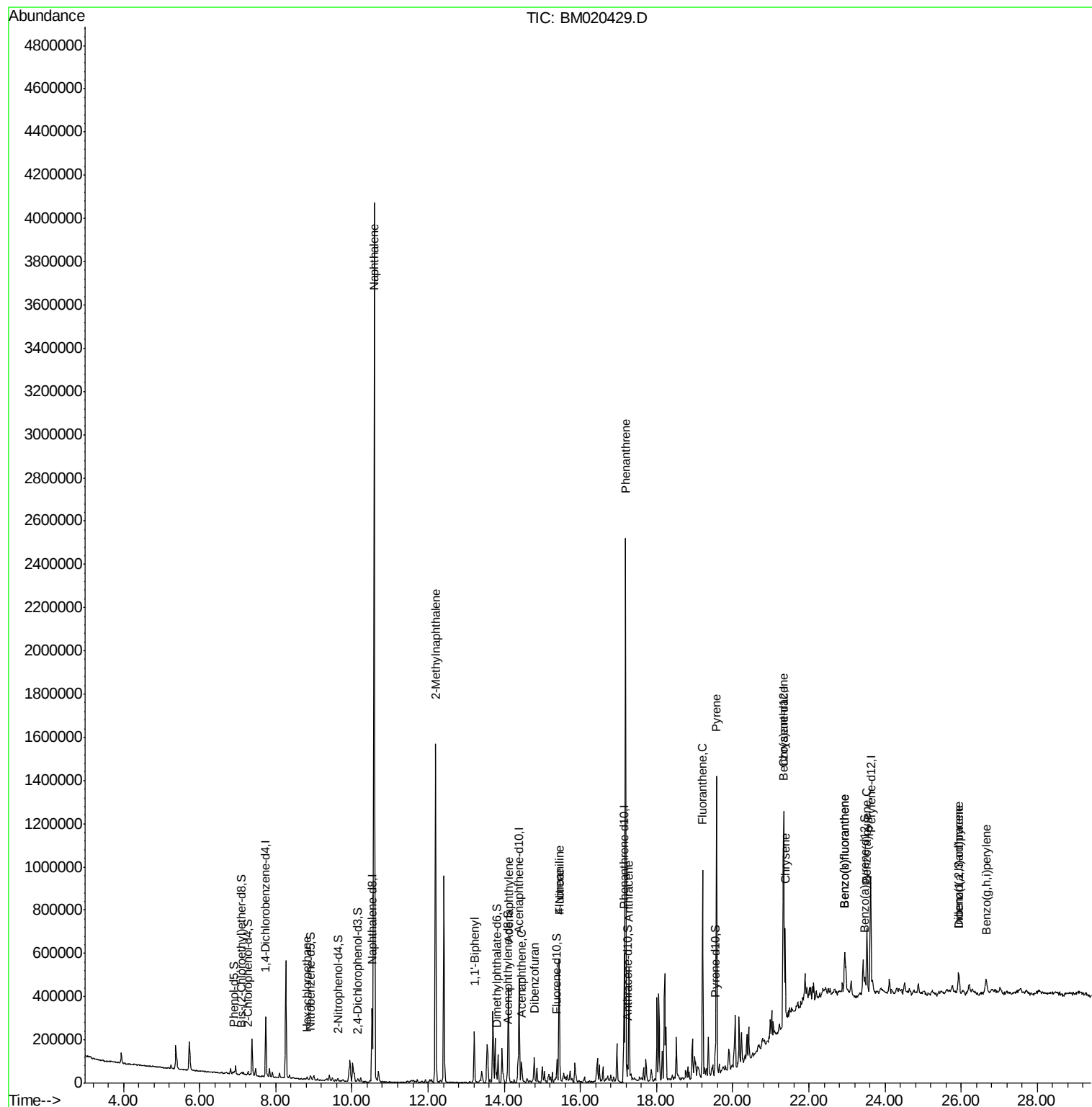
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

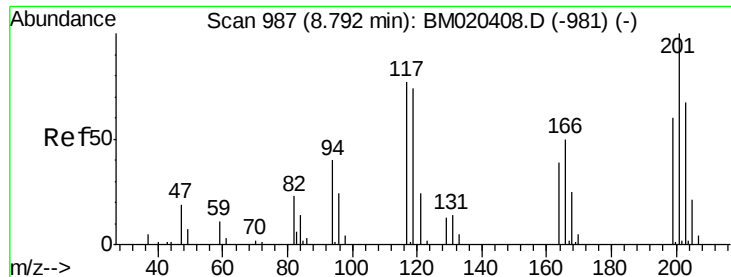
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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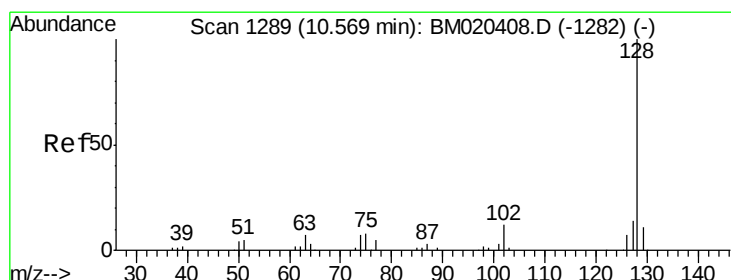
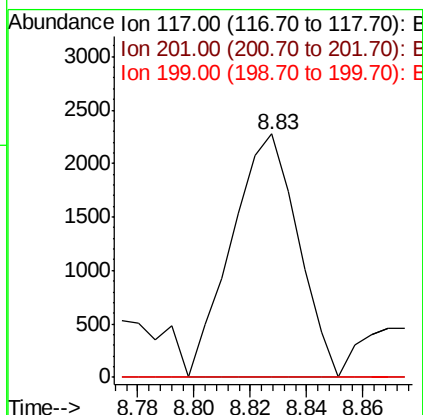
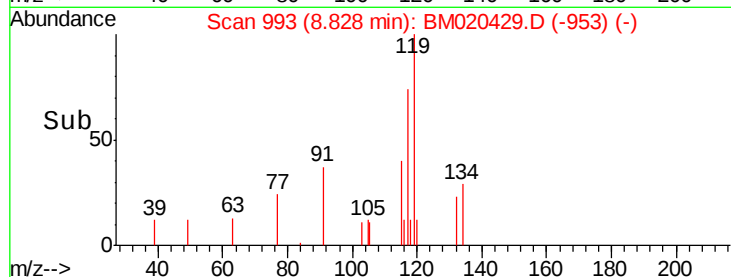
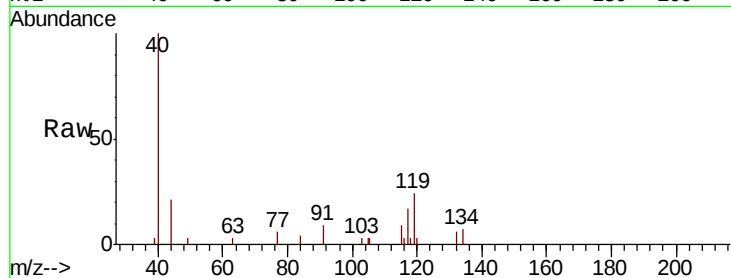




#17
Hexachloroethane
Concen: 1.709 ng/ul
RT: 8.83 min Scan# 993
Delta R.T. 0.04 min
Lab File: BM020429.D
Acq: 20 May 2019 13:30

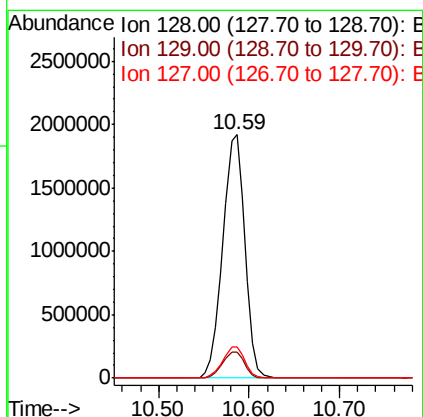
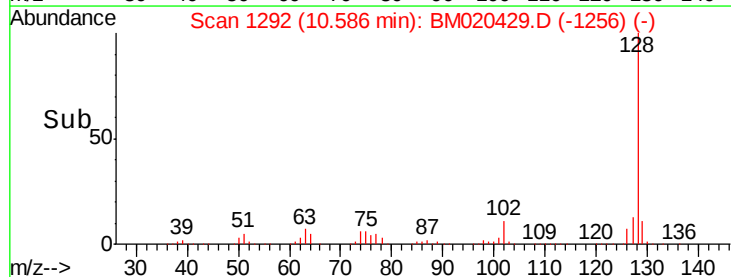
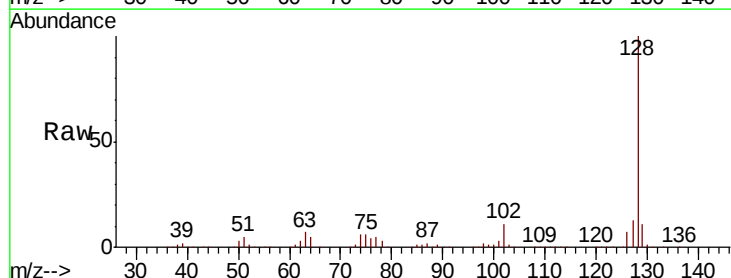
Instrument :
BNA_M
ClientSampleId :
GAJB1DL

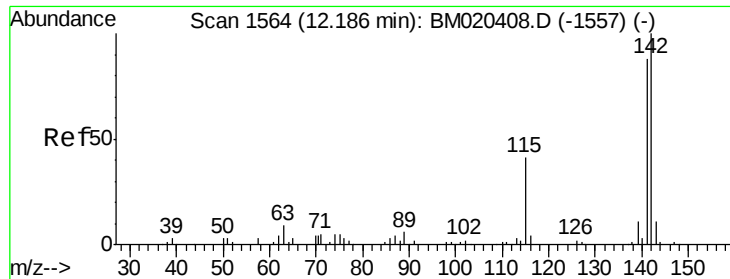
Tgt Ion:117 Resp: 3703
Ion Ratio Lower Upper
117 100
201 0.0 102.4 153.6#
199 0.0 63.3 94.9#



#28
Naphthalene
Concen: 249.384 ng/ul
RT: 10.59 min Scan# 1292
Delta R.T. 0.01 min
Lab File: BM020429.D
Acq: 20 May 2019 13:30

Tgt Ion:128 Resp: 3255122
Ion Ratio Lower Upper
128 100
129 10.5 8.6 13.0
127 12.8 10.6 15.8

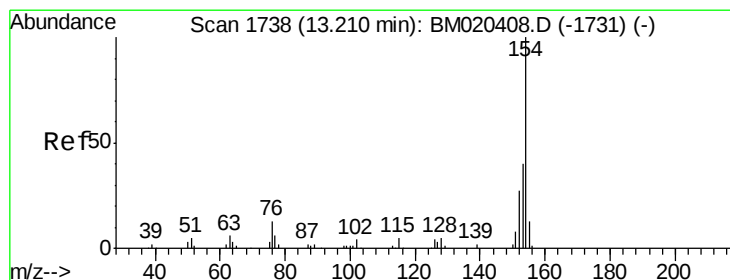
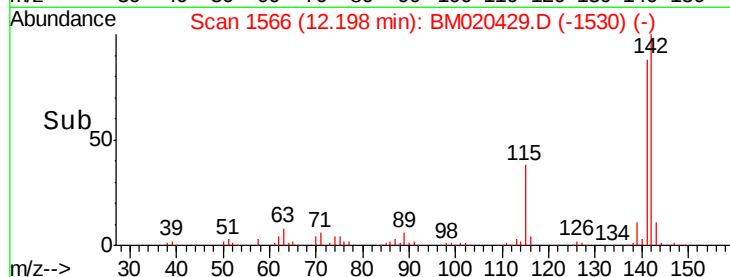
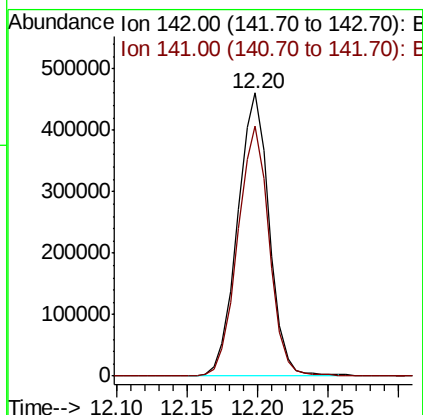
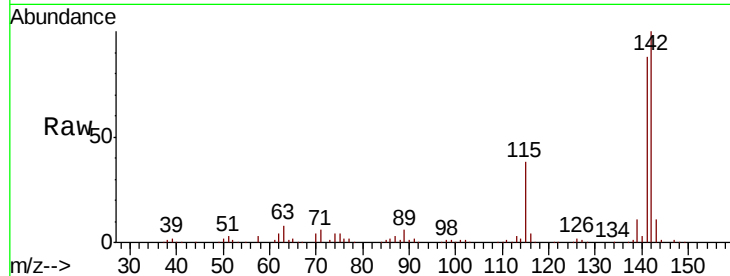




#34
 2-Methylnaphthalene
 Concen: 76.373 ng/ul
 RT: 12.20 min Scan# 1566
 Delta R.T. 0.01 min
 Lab File: BM020429.D
 Acq: 20 May 2019 13:30

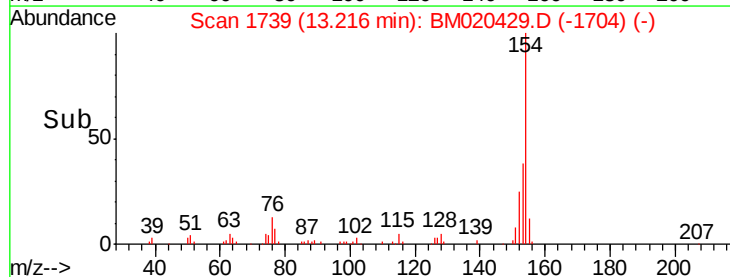
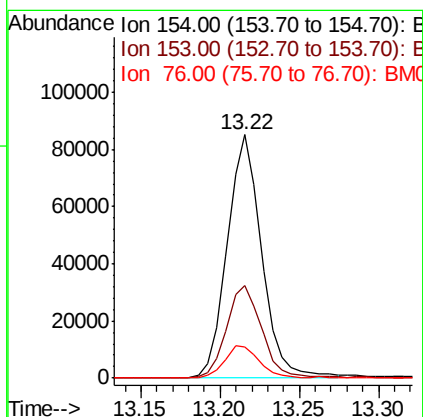
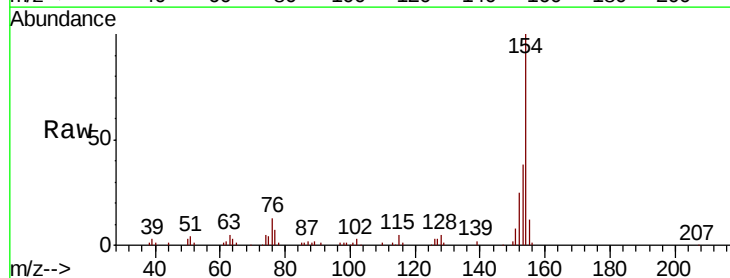
Instrument :
 BNA_M
 ClientSampleId :
 GAJB1DL

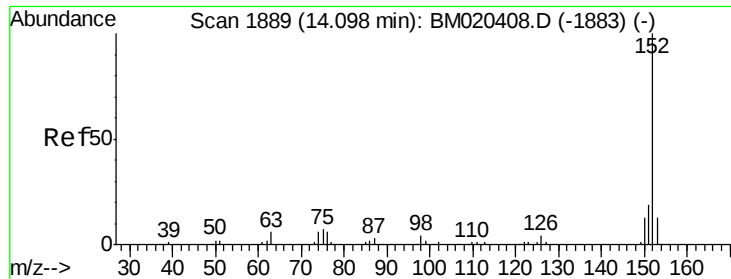
Tgt Ion:142 Resp: 721777
 Ion Ratio Lower Upper
 142 100
 141 88.2 68.6 102.8



#40
 1,1'-Biphenyl
 Concen: 11.535 ng/ul
 RT: 13.22 min Scan# 1739
 Delta R.T. 0.01 min
 Lab File: BM020429.D
 Acq: 20 May 2019 13:30

Tgt Ion:154 Resp: 128467
 Ion Ratio Lower Upper
 154 100
 153 38.2 32.2 48.4
 76 13.0 11.0 16.4





#47

Acenaphthylene

Concen: 19.263 ng/ul

RT: 14.11 min Scan# 1891

Delta R.T. 0.01 min

Lab File: BM020429.D

Acq: 20 May 2019 13:30

Instrument :

BNA_M

ClientSampleId :

GAJB1DL

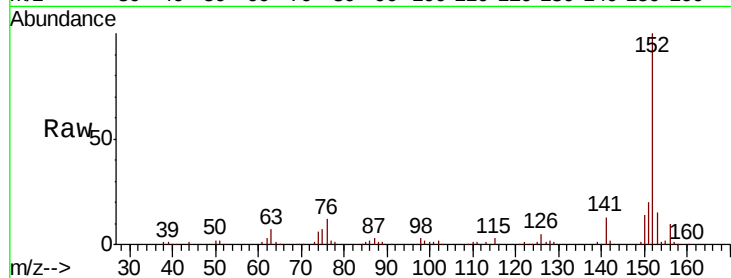
Tgt Ion:152 Resp: 254318

Ion Ratio Lower Upper

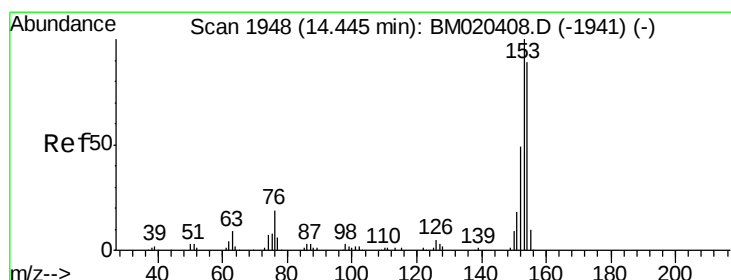
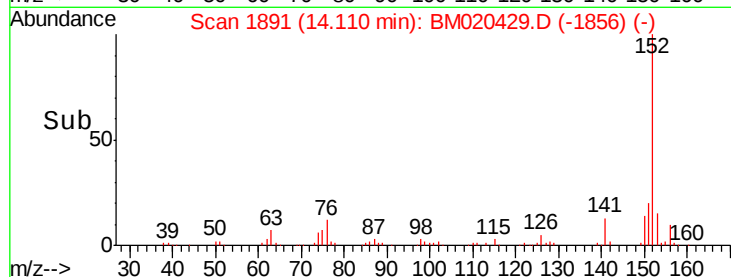
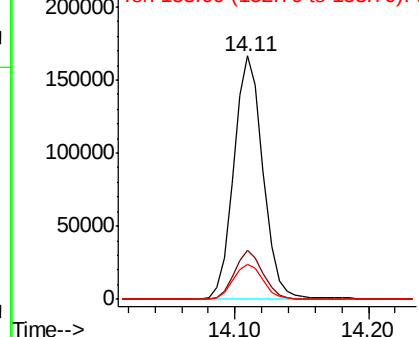
152 100

151 20.2 15.4 23.0

153 14.5 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: 4.265 ng/ul

RT: 14.45 min Scan# 1949

Delta R.T. 0.01 min

Lab File: BM020429.D

Acq: 20 May 2019 13:30

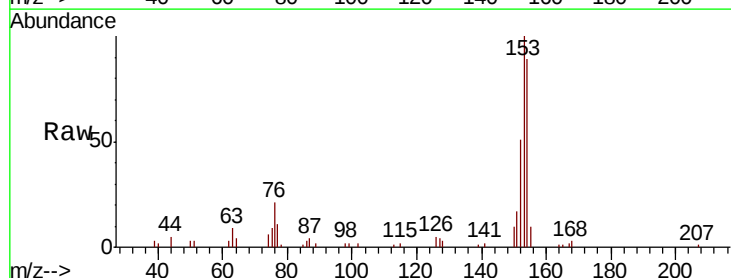
Tgt Ion:153 Resp: 38709

Ion Ratio Lower Upper

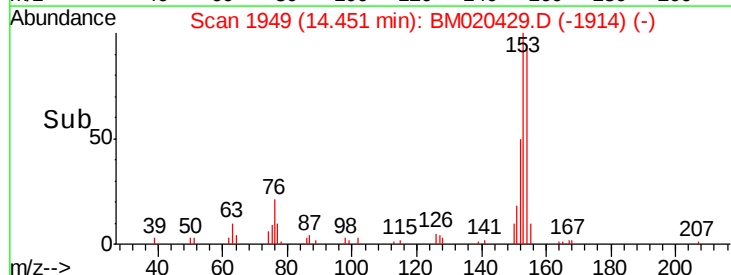
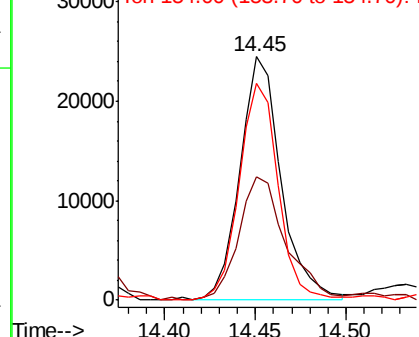
153 100

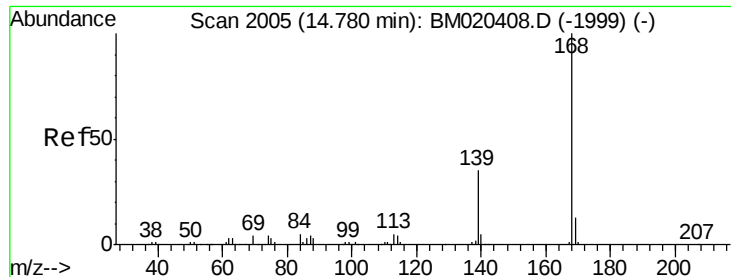
152 50.6 37.9 56.9

154 89.1 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

Dibenzenofuran

Concen: 3.058 ng/ul

RT: 14.79 min Scan# 2006

Delta R.T. 0.01 min

Lab File: BM020429.D

Acq: 20 May 2019 13:30

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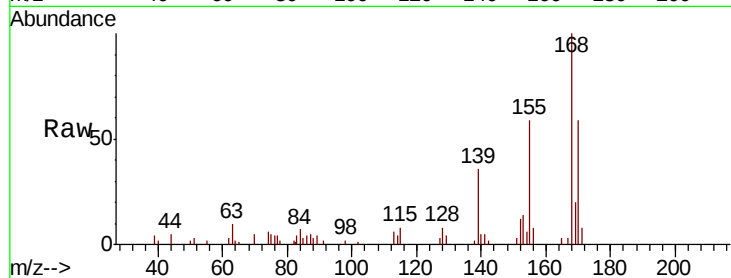
GAJB1DL

Tgt Ion:168 Resp: 42026

Ion Ratio Lower Upper

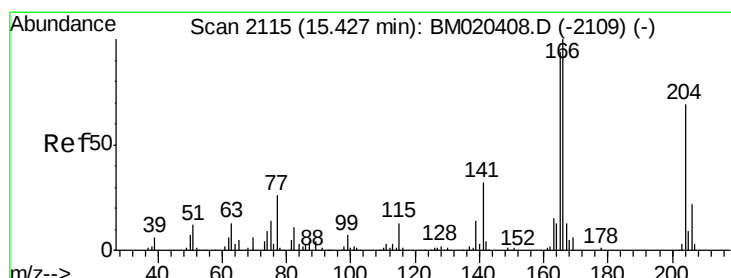
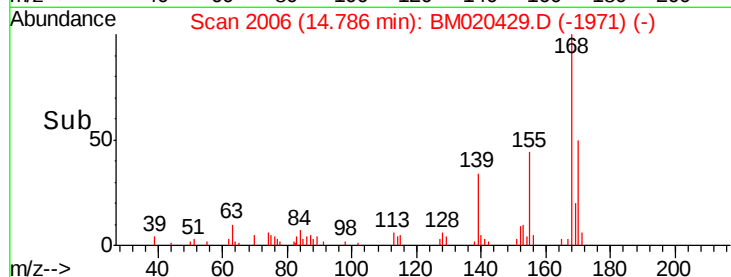
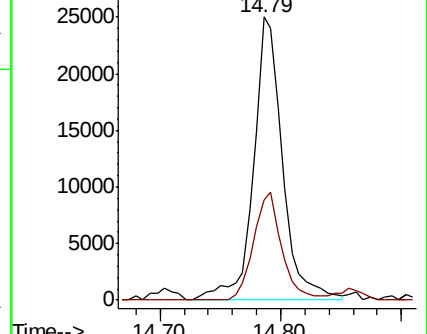
168 100

139 35.6 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: 24.338 ng/ul

RT: 15.44 min Scan# 2117

Delta R.T. 0.01 min

Lab File: BM020429.D

Acq: 20 May 2019 13:30

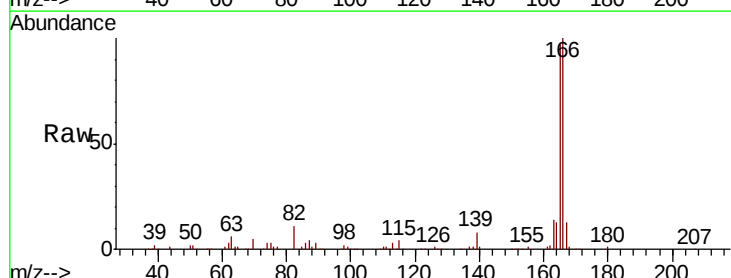
Tgt Ion:166 Resp: 267974

Ion Ratio Lower Upper

166 100

165 97.3 77.1 115.7

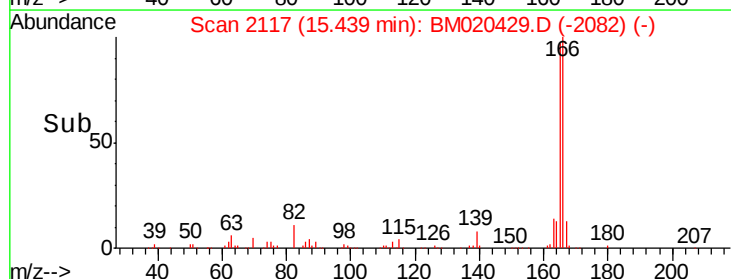
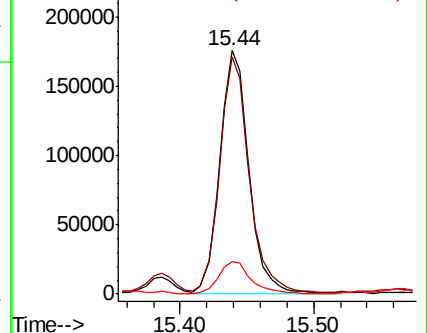
167 13.1 11.1 16.7

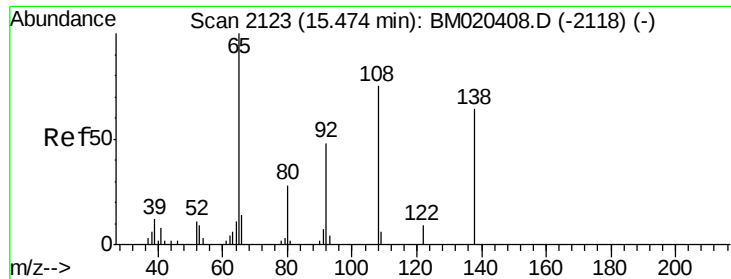


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

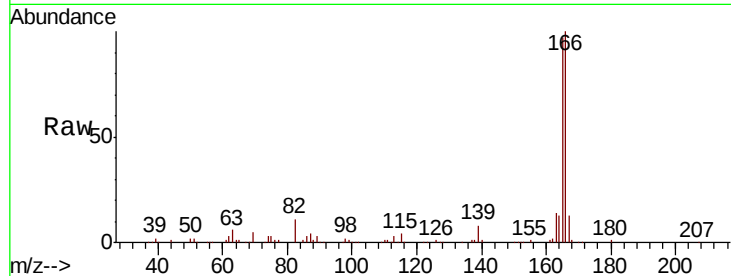




#60
4-Nitroaniline
Concen: 1.563 ng/ul
RT: 15.44 min Scan# 2117
Delta R.T. -0.04 min
Lab File: BM020429.D
Acq: 20 May 2019 13:30

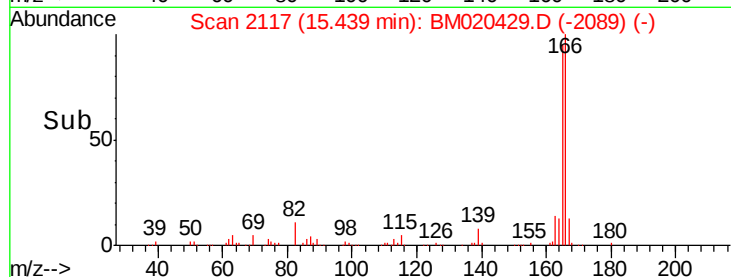
Instrument :
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Tgt Ion:138 Resp: 2760
Ion Ratio Lower Upper
138 100
92 0.0 52.2 78.4#
108 0.0 86.6 130.0#

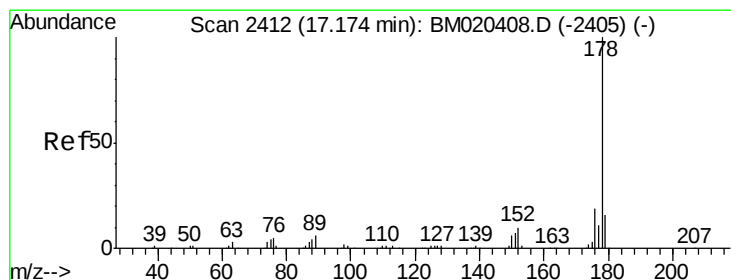


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BM
Ion 108.00 (107.70 to 108.70): E

15.44

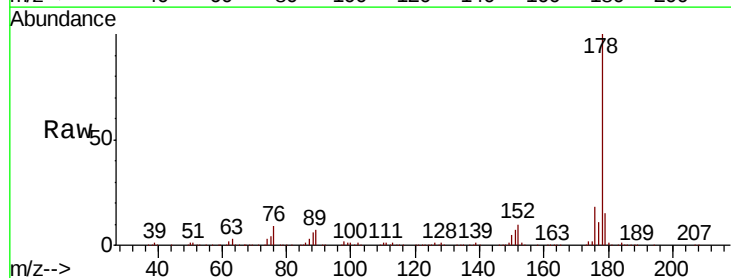


Time-->



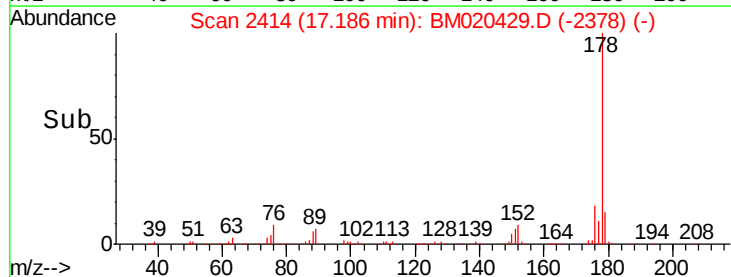
#69
Phenanthrene
Concen: 84.943 ng/ul
RT: 17.19 min Scan# 2414
Delta R.T. 0.01 min
Lab File: BM020429.D
Acq: 20 May 2019 13:30

Tgt Ion:178 Resp: 1458332
Ion Ratio Lower Upper
178 100
179 14.9 11.9 17.9
176 18.0 14.6 22.0

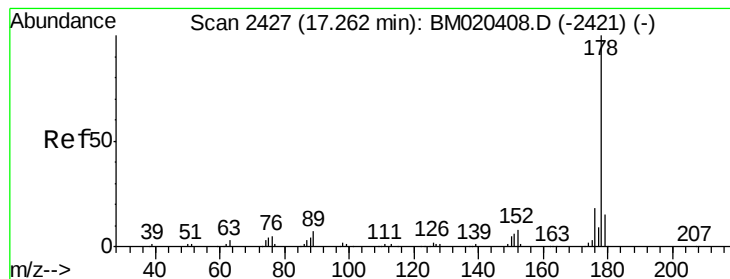


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 179.00 (178.70 to 179.70): E
Ion 176.00 (175.70 to 176.70): E

17.19



Time-->



#71

Anthracene

Concen: 17.857 ng/ul

RT: 17.27 min Scan# 2429

Delta R.T. 0.01 min

Lab File: BM020429.D

Acq: 20 May 2019 13:30

Instrument :

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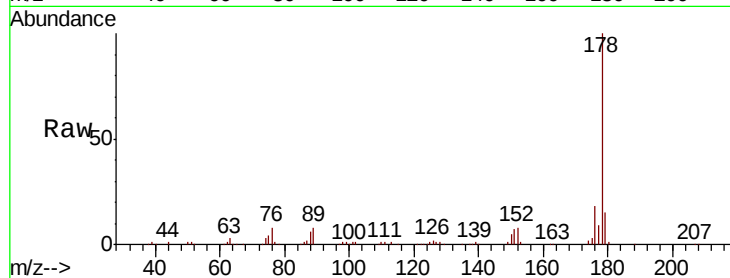
Tgt Ion:178 Resp: 311863

Ion Ratio Lower Upper

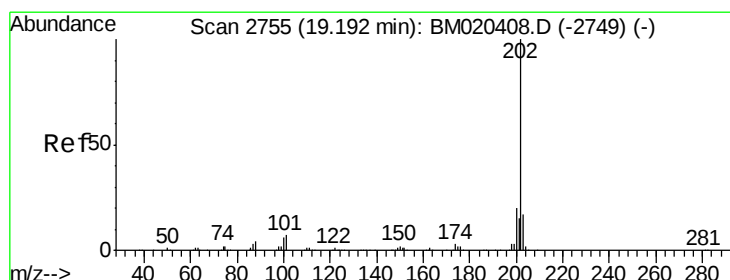
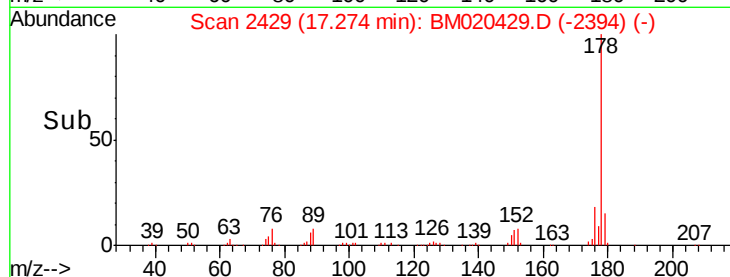
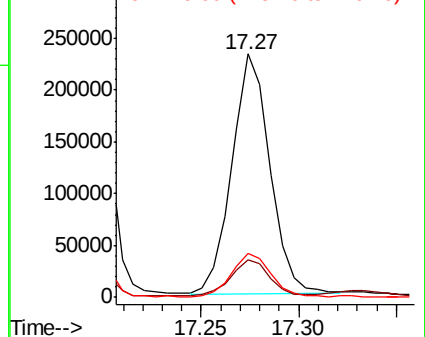
178 100

179 15.2 12.4 18.6

176 17.9 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: 27.092 ng/ul

RT: 19.21 min Scan# 2758

Delta R.T. 0.02 min

Lab File: BM020429.D

Acq: 20 May 2019 13:30

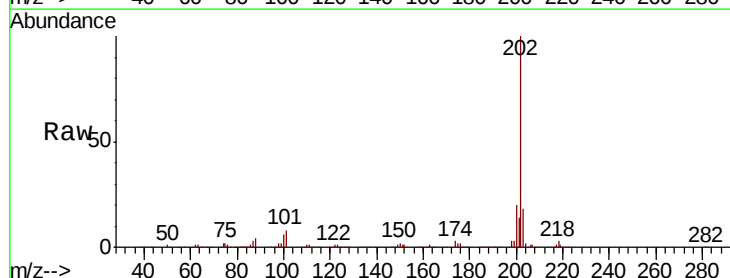
Tgt Ion:202 Resp: 587557

Ion Ratio Lower Upper

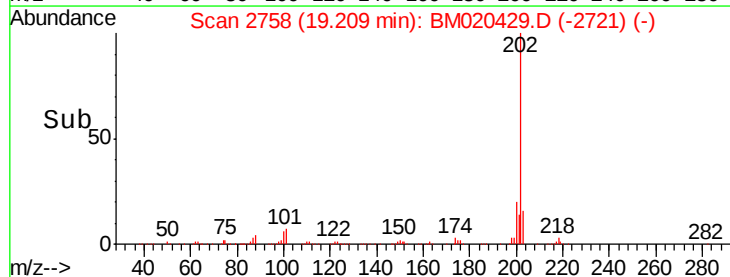
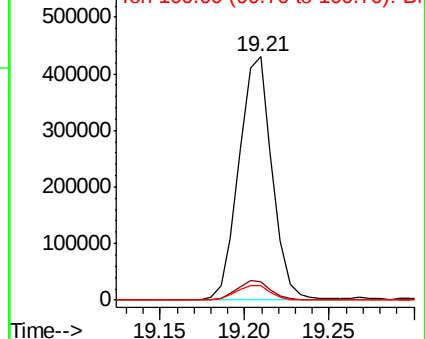
202 100

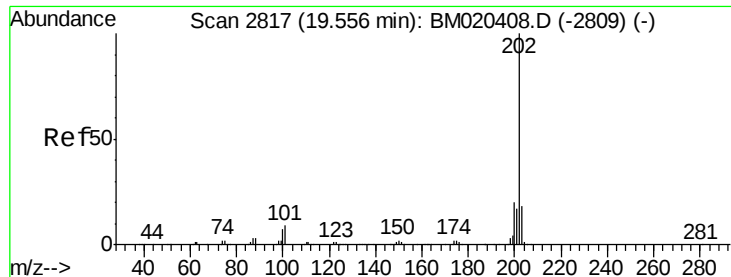
101 7.7 6.4 9.6

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

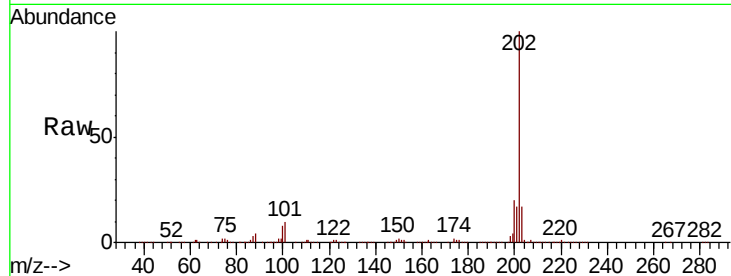




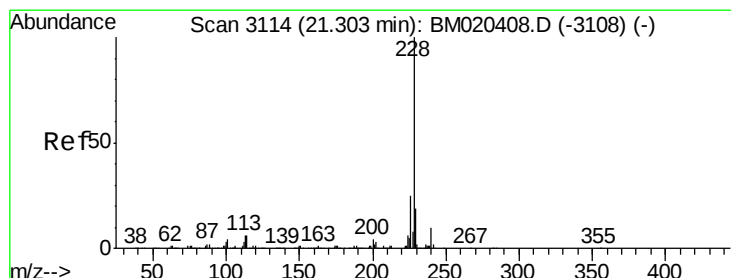
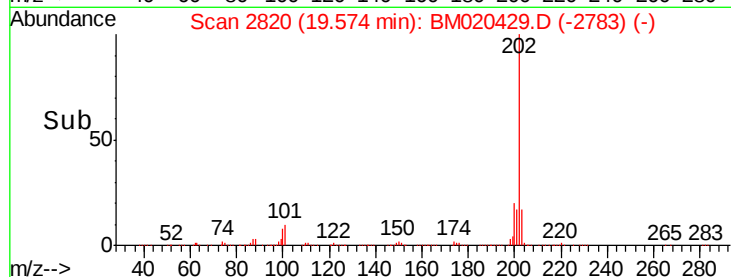
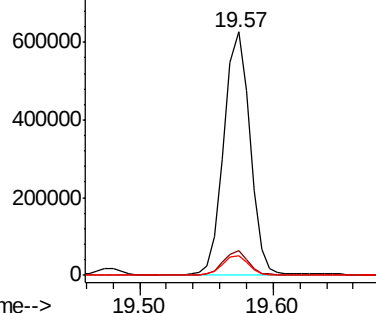
#79
 Pyrene
 Concen: 39.681 ng/ul
 RT: 19.57 min Scan# 2820
 Delta R.T. 0.02 min
 Lab File: BM020429.D
 Acq: 20 May 2019 13:30

Instrument :
 BNA_M
 ClientSampleId :
 GAJB1DL

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.1	7.1	10.7
100	8.0	5.9	8.9

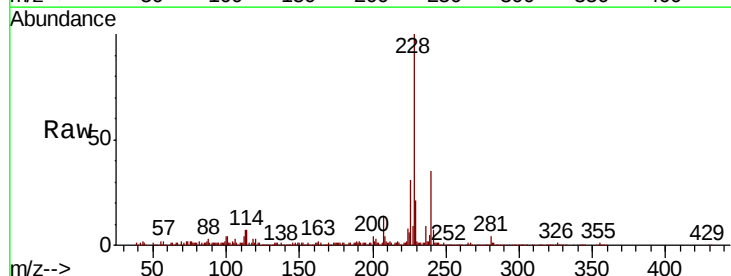


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 100.00 (99.70 to 100.70): B

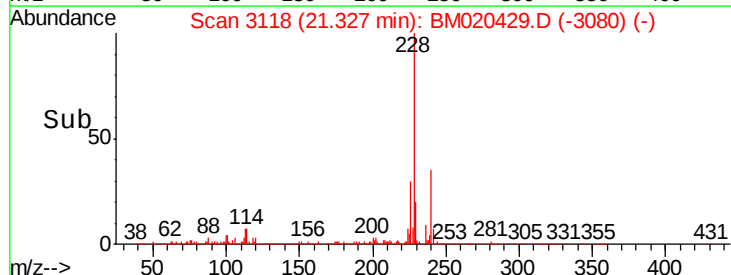
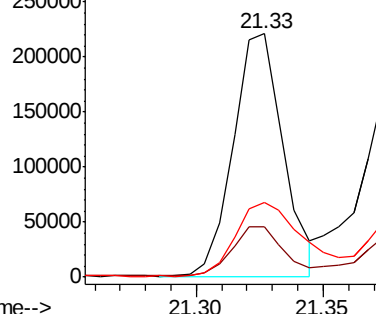


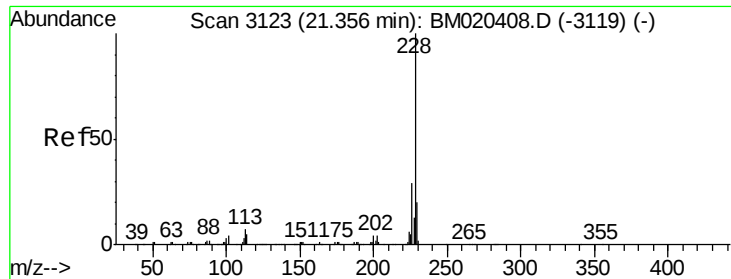
#82
 Benzo(a)anthracene
 Concen: 14.159 ng/ul
 RT: 21.33 min Scan# 3118
 Delta R.T. 0.02 min
 Lab File: BM020429.D
 Acq: 20 May 2019 13:30

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.6	15.8	23.8
226	30.8	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: 12.681 ng/ul

RT: 21.38 min Scan# 3127

Delta R.T. 0.02 min

Lab File: BM020429.D

Acq: 20 May 2019 13:30

Instrument :

BNA_M

ClientSampleId :

GAJB1DL

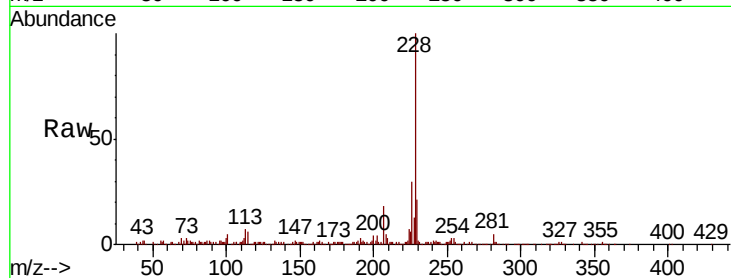
Tgt Ion:228 Resp: 259578

Ion Ratio Lower Upper

228 100

226 29.5 22.2 33.4

229 21.0 15.4 23.2

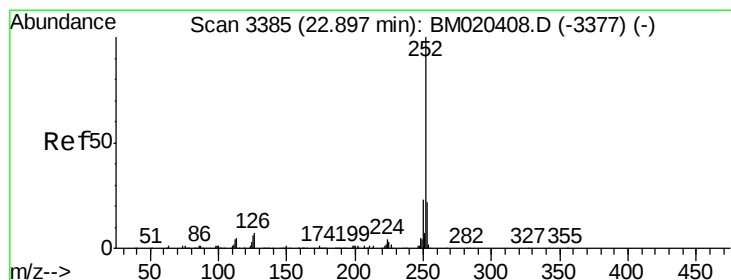
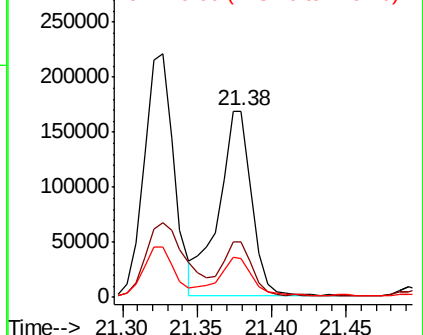
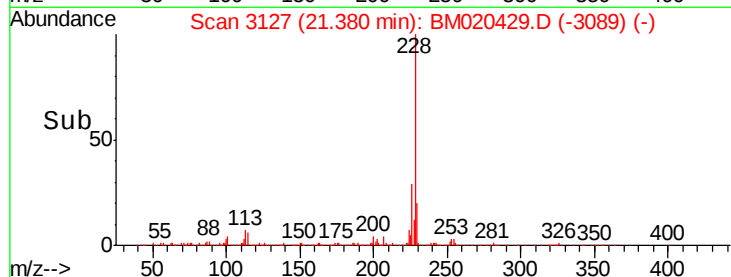


Abundance

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: 11.107 ng/ul

RT: 22.94 min Scan# 3392

Delta R.T. 0.04 min

Lab File: BM020429.D

Acq: 20 May 2019 13:30

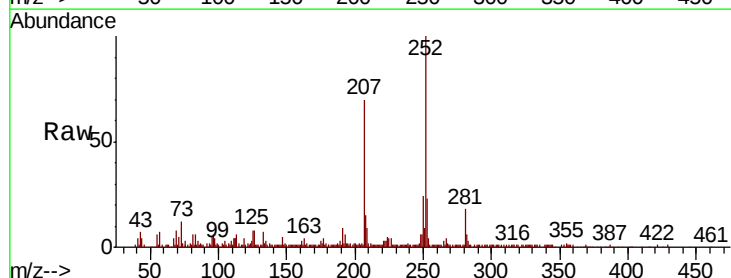
Tgt Ion:252 Resp: 268279

Ion Ratio Lower Upper

252 100

253 23.1 17.0 25.6

125 8.3 5.0 7.4#

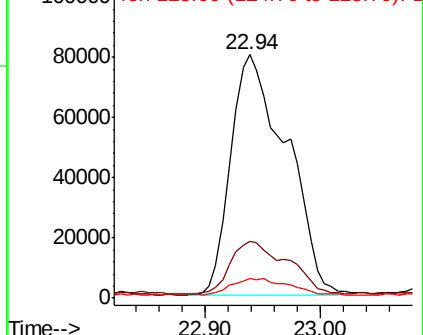
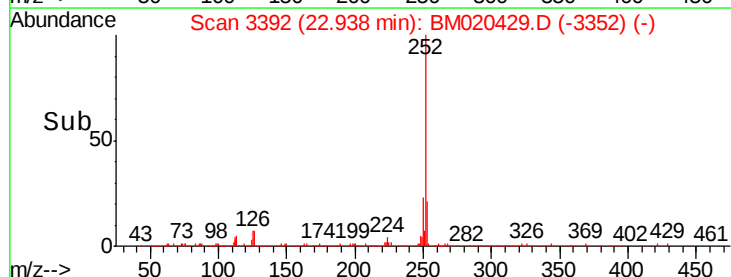


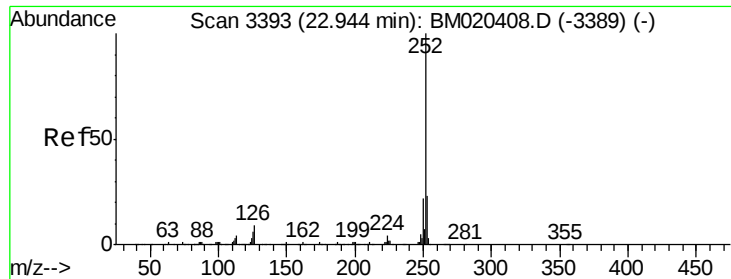
Abundance

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





#88

Benzo(k)fluoranthene

Concen: 11.308 ng/u1

RT: 22.94 min Scan# 3392

Delta R.T. -0.01 min

Lab File: BM020429.D

Acq: 20 May 2019 13:30

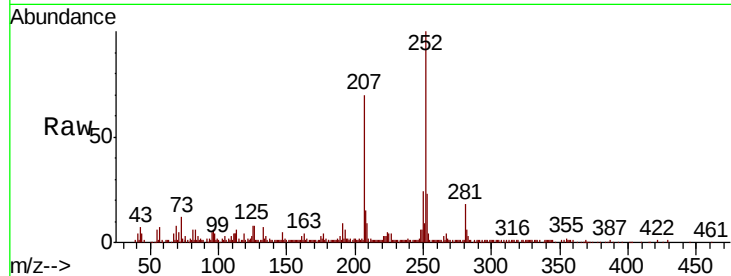
Instrument :

BNA_M

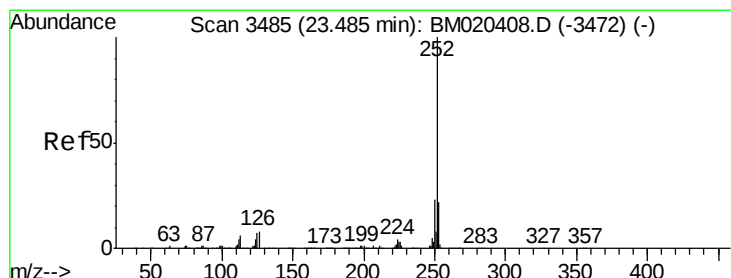
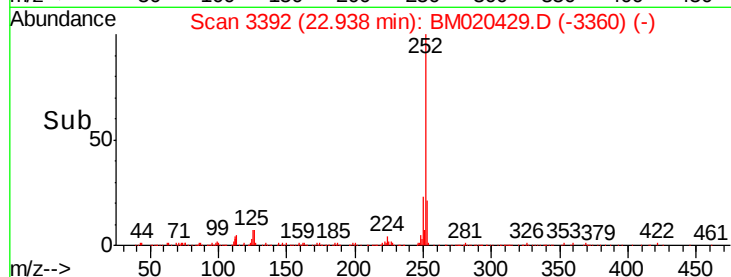
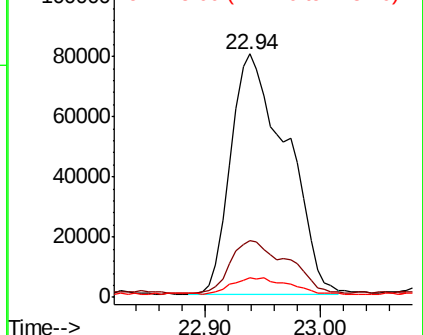
ClientSampleId :

GAJB1DL

Tgt Ion:	252	Resp:	268279
Ion Ratio	Lower	Upper	
252	100		
253	23.1	17.6	26.4
125	8.3	5.0	7.6#



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: 10.524 ng/u1

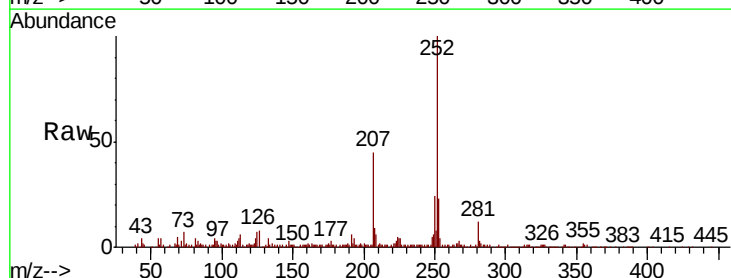
RT: 23.52 min Scan# 3491

Delta R.T. 0.03 min

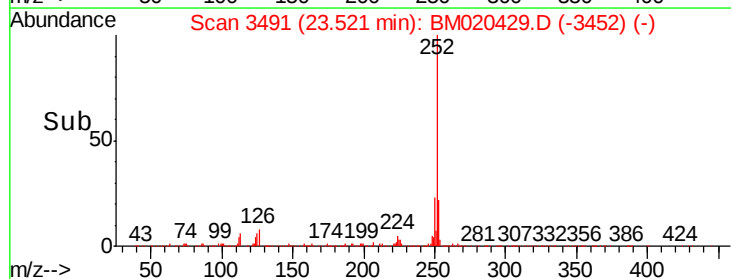
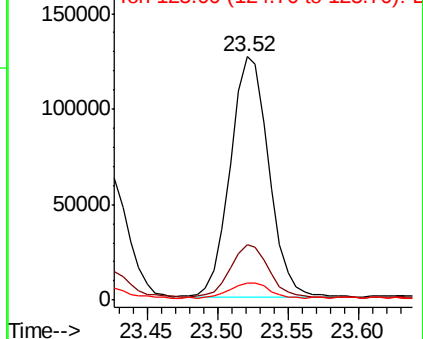
Lab File: BM020429.D

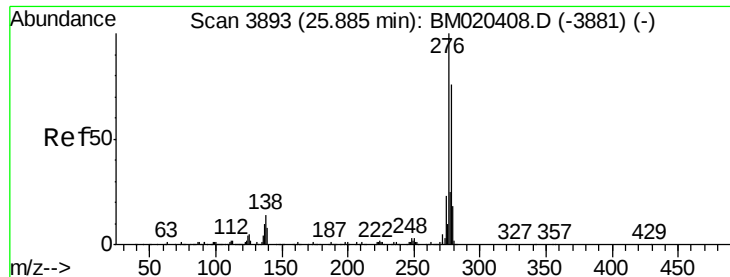
Acq: 20 May 2019 13:30

Tgt Ion:	252	Resp:	239233
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.4	26.2
125	6.8	5.4	8.2



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: 3.737 ng/ul

RT: 25.93 min Scan# 3901

Delta R.T. 0.04 min

Lab File: BM020429.D

Acq: 20 May 2019 13:30

Instrument :

BNA_M

ClientSampleId :

GAJB1DL

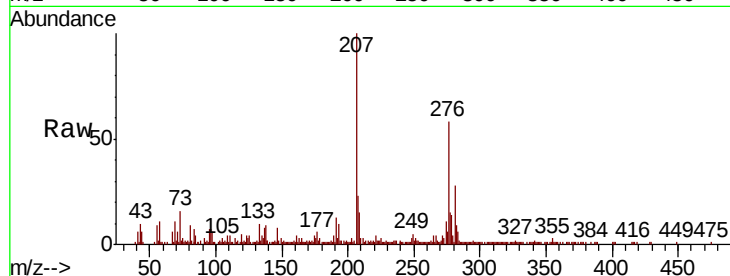
Tgt Ion:276 Resp: 96799

Ion Ratio Lower Upper

276 100

138 19.0 12.3 18.5#

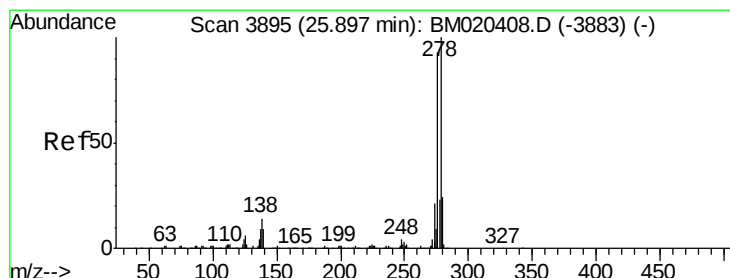
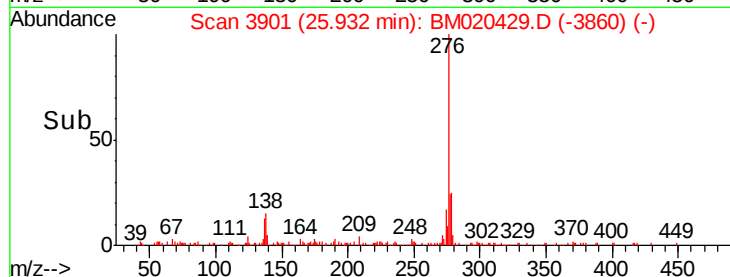
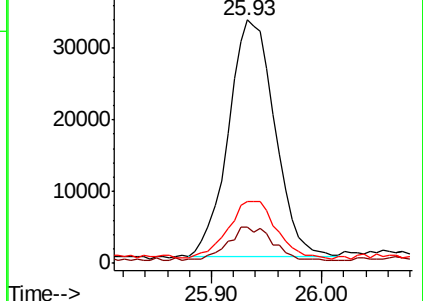
277 25.3 20.0 30.0



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: 1.303 ng/ul

RT: 25.94 min Scan# 3902

Delta R.T. 0.04 min

Lab File: BM020429.D

Acq: 20 May 2019 13:30

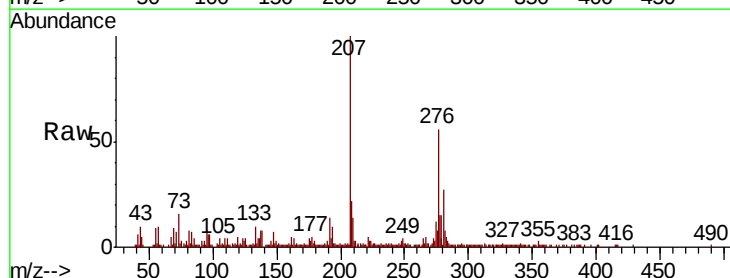
Tgt Ion:278 Resp: 28856

Ion Ratio Lower Upper

278 100

139 0.0 8.1 12.1#

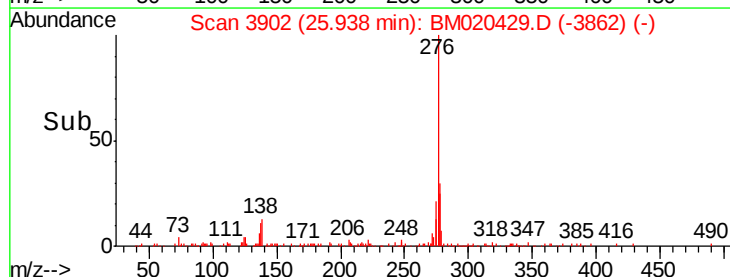
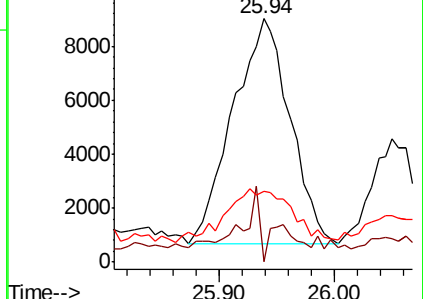
279 29.0 18.7 28.1#

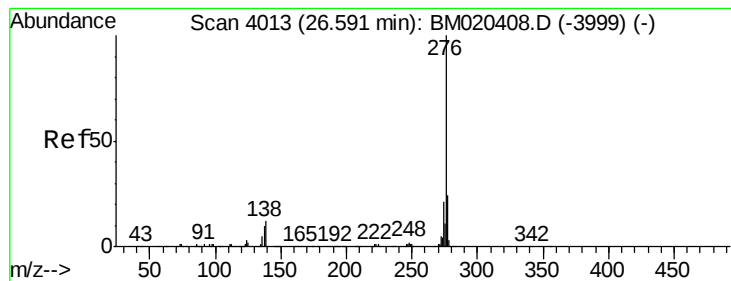


Abundance Ion 278.00 (277.70 to 278.70): E

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: 4.104 ng/ul

RT: 26.66 min Scan# 4024

Delta R.T. 0.06 min

Lab File: BM020429.D

Acq: 20 May 2019 13:30

Instrument :

BNA_M

ClientSampleId :

GAJB1DL

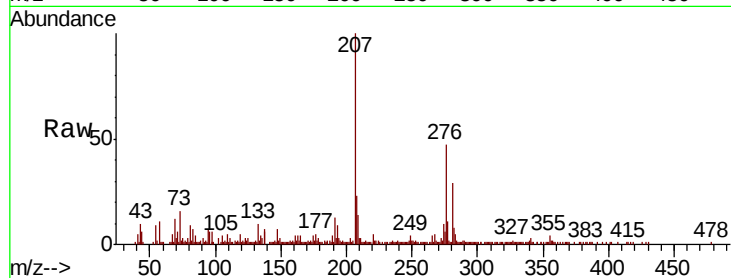
Tgt Ion: 276 Resp: 88000

Ion Ratio Lower Upper

276 100

138 14.4 10.0 15.0

277 23.5 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

