

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
 Data File : BM020407.D
 Acq On : 18 May 2019 19:39
 Operator : JU/SJ
 Sample : K2604-20MEDL 50X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: May 20 07:13:44 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	64824	20.00	ng/ul	0.00
18) Naphthalene-d8	10.52	136	243156	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.38	164	146035	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.13	188	359095	20.00	ng/ul	0.00
77) Chrysene-d12	21.32	240	396154	20.00	ng/ul	0.00
85) Perylene-d12	23.59	264	446150	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	0.00	96	0	0.00	ng/uL	
5) Phenol-d5	6.90	99	1459	0.28	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.08	67	373	0.11	ng/ul	0.00
9) 2-Chlorophenol-d4	7.26	132	1406	0.37	ng/ul	0.00
13) 4-Methylphenol-d8	8.46	113	254	0.07	ng/ul	0.02
19) Nitrobenzene-d5	0.00	128	0	0.00	ng/ul	
22) 2-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
26) 2,4-Dichlorophenol-d3	10.17	165	290	0.08	ng/ul	0.02
29) 4-Chloroaniline-d4	10.79	131	228	0.06	ng/ul	0.12
43) Dimethylphthalate-d6	13.79	166	6544	0.62	ng/ul	0.00
46) Acenaphthylene-d8	14.07	160	7667	0.58	ng/ul	0.00
51) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
57) Fluorene-d10	15.37	176	7467	0.80	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
70) Anthracene-d10	17.23	188	9873	0.64	ng/ul	0.00
78) Pyrene-d10	19.53	212	11975	0.63	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.44	264	12892	0.64	ng/ul	0.00

Target Compounds

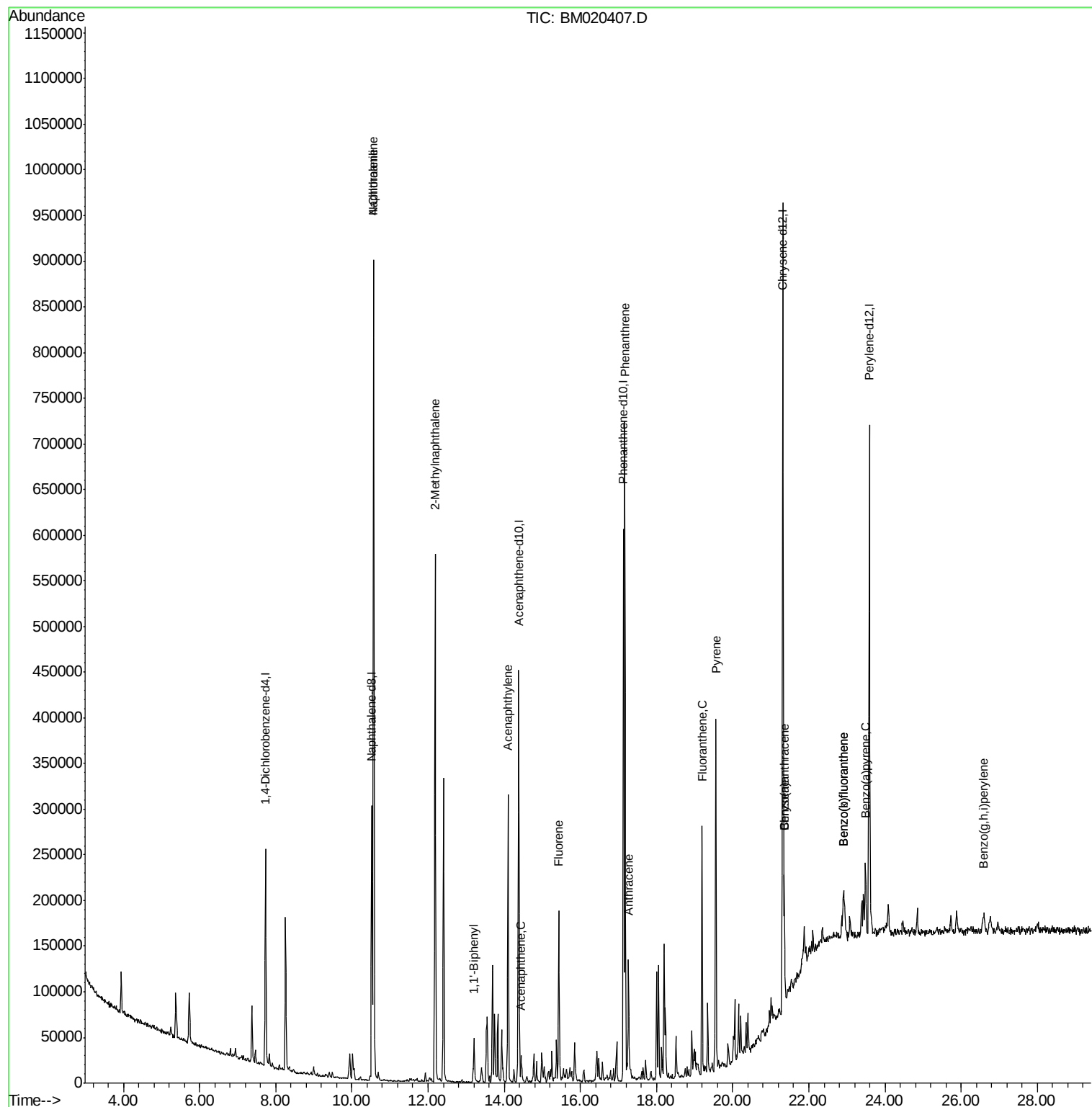
					Ovalue	
28) Naphthalene	10.57	128	679256	60.802	ng/ul	100
30) 4-Chloroaniline	10.57	127	89030	22.844	ng/ul#	13
34) 2-Methylnaphthalene	12.19	142	258138	31.913	ng/ul	99
40) 1,1'-Biphenyl	13.21	154	30445	2.912	ng/ul	98
47) Acenaphthylene	14.10	152	194797	15.718	ng/ul	97
49) Acenaphthene	14.45	153	12081	1.418	ng/ul#	88
58) Fluorene	15.43	166	86254	8.345	ng/ul	99
69) Phenanthrene	17.17	178	445788	26.054	ng/ul	98
71) Anthracene	17.26	178	86457	4.967	ng/ul	99
76) Fluoranthene	19.19	202	165096	7.639	ng/ul	98
79) Pyrene	19.56	202	244704	10.291	ng/ul	99
82) Benzo(a)anthracene	21.36	228	68518	2.874	ng/ul	94
84) Chrysene	21.36	228	70979	3.115	ng/ul	97
87) Benzo(b)fluoranthene	22.90	252	52106	2.046	ng/ul#	98
88) Benzo(k)fluoranthene	22.90	252	52106	2.083	ng/ul#	98
90) Benzo(a)pyrene	23.49	252	63329	2.643	ng/ul	99
93) Benzo(g,h,i)perylene	26.58	276	24953	1.104	ng/ul#	86

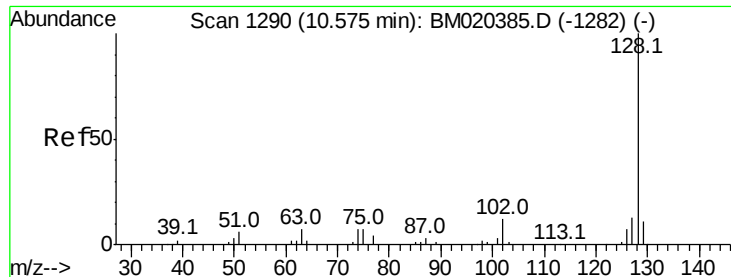
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020407.D
Acq On : 18 May 2019 19:39
Operator : JU/SJ
Sample : K2604-20MEDL 50X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :

Quant Time: May 20 07:13:44 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

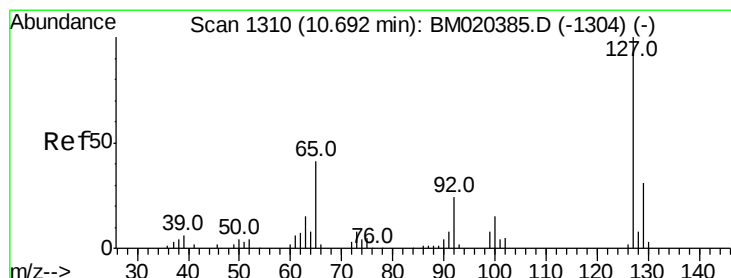
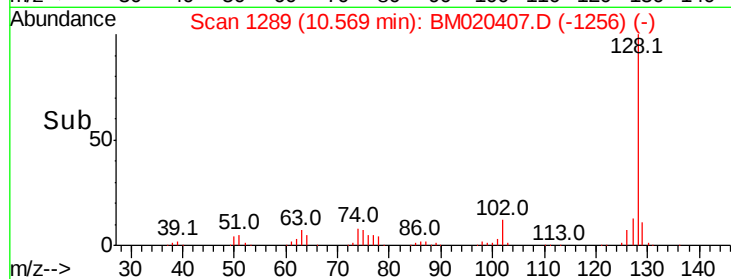
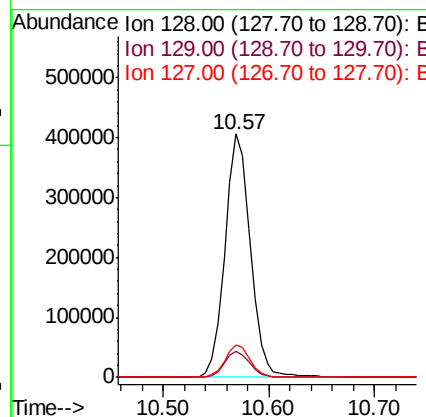
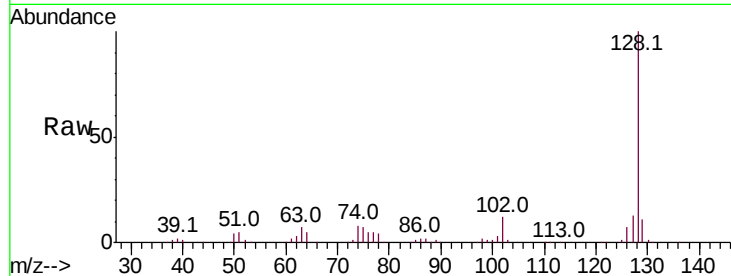




#28
Naphthalene
Concen: 60.802 ng/ul
RT: 10.57 min Scan# 1289
Delta R.T. -0.01 min
Lab File: BM020407.D
Acq: 18 May 2019 19:39

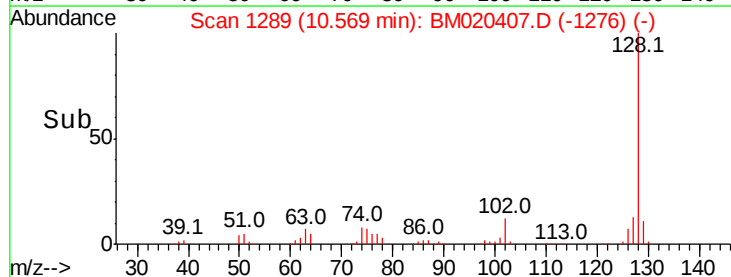
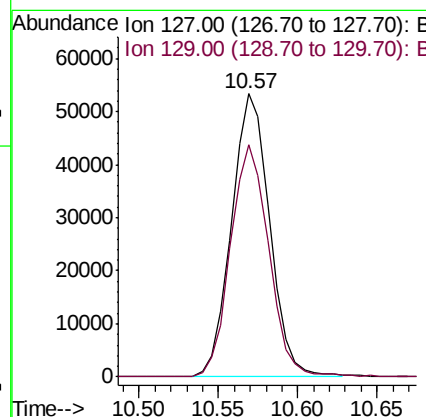
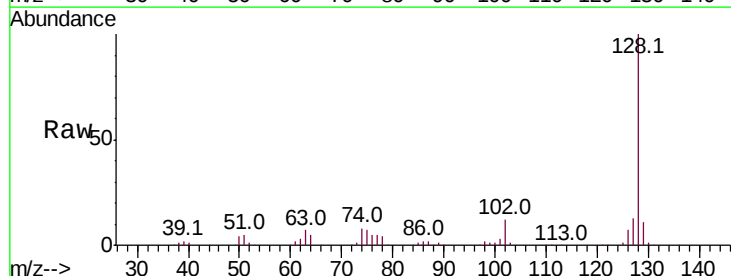
Instrument :
BNA_M
ClientSampleId :

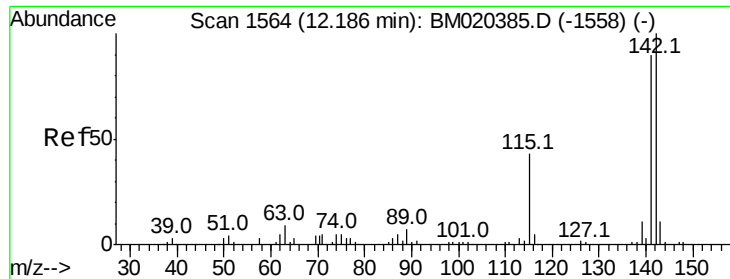
Tot Ion:128 Resp: 679256
Ion Ratio Lower Upper
128 100
129 10.8 8.6 13.0
127 13.1 10.6 15.8



#30
4-Chloroaniline
Concen: 22.844 ng/ul
RT: 10.57 min Scan# 1289
Delta R.T. -0.12 min
Lab File: BM020407.D
Acq: 18 May 2019 19:39

Tgt Ion:127 Resp: 89030
Ion Ratio Lower Upper
127 100
129 82.2 26.5 39.7#

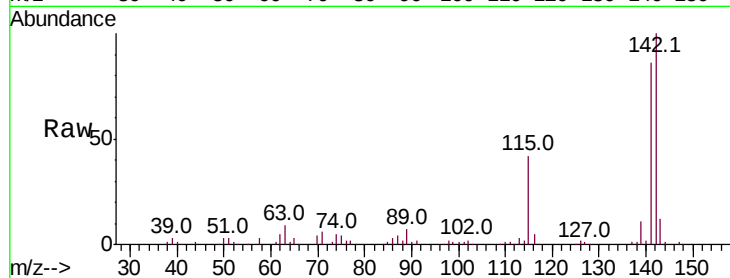




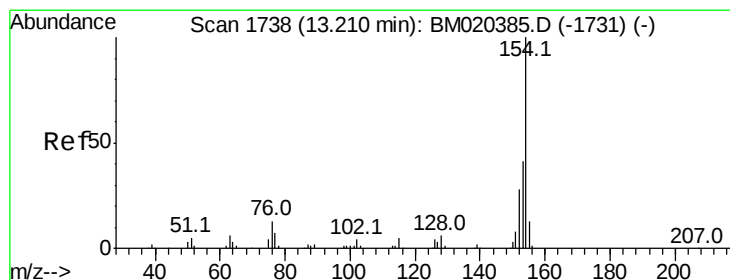
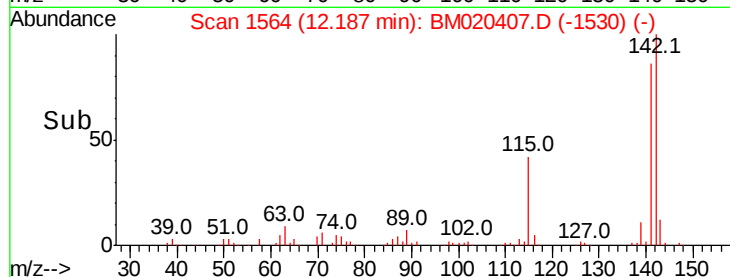
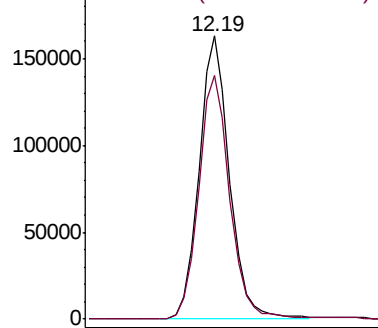
#34
 2-Methylnaphthalene
 Concen: 31.913 ng/ul
 RT: 12.19 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: BM020407.D
 Acq: 18 May 2019 19:39

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:142 Resp: 258138
 Ion Ratio Lower Upper
 142 100
 141 86.3 68.6 102.8

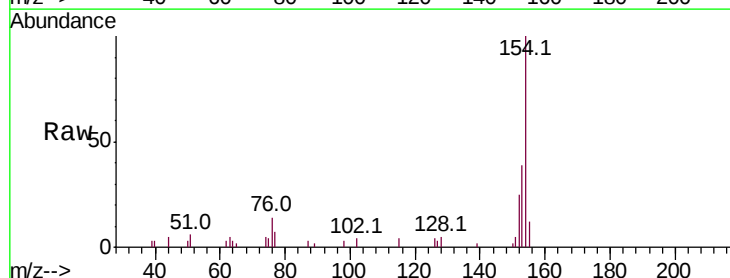


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E

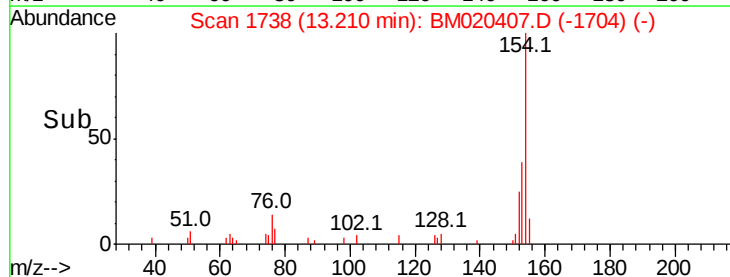
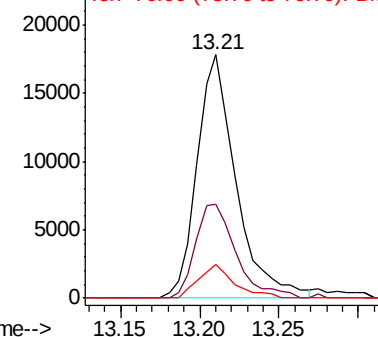


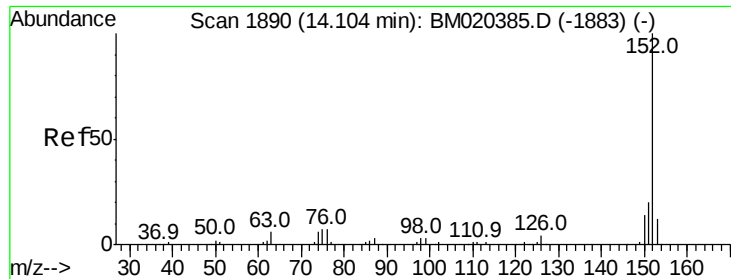
#40
 1,1'-Biphenyl
 Concen: 2.912 ng/ul
 RT: 13.21 min Scan# 1738
 Delta R.T. 0.00 min
 Lab File: BM020407.D
 Acq: 18 May 2019 19:39

Tgt Ion:154 Resp: 30445
 Ion Ratio Lower Upper
 154 100
 153 38.6 32.2 48.4
 76 13.6 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: 15.718 ng/ul

RT: 14.10 min Scan# 1889

Delta R.T. -0.01 min

Lab File: BM020407.D

Acq: 18 May 2019 19:39

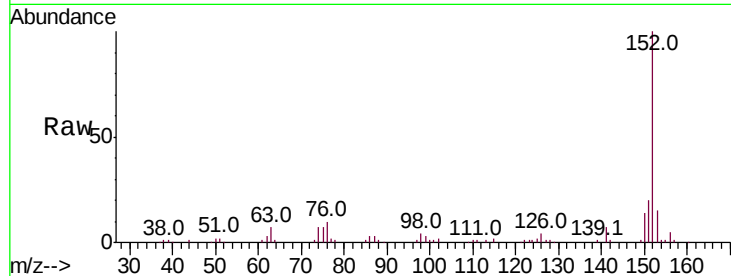
Instrument :

BNA_M

ClientSampleId :

Tot Ion:152 Resp: 194797

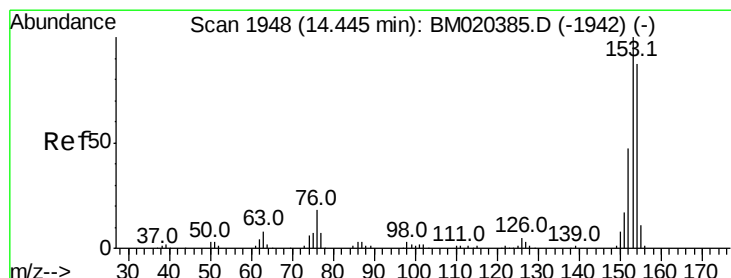
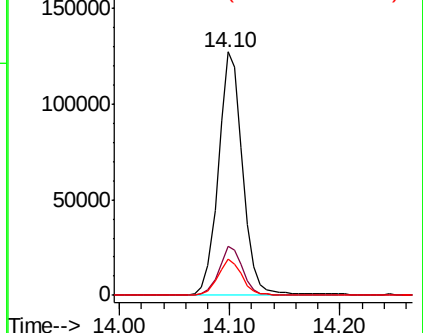
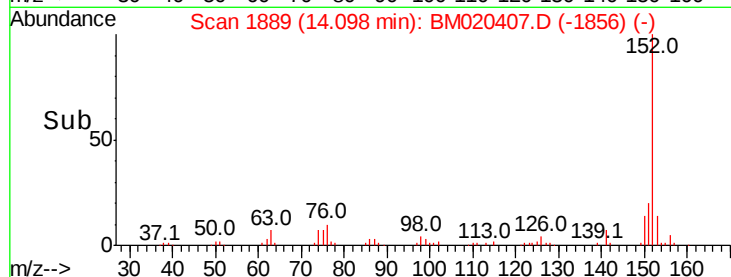
Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.4	23.0
153	14.7	10.3	15.5



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: 1.418 ng/ul

RT: 14.45 min Scan# 1948

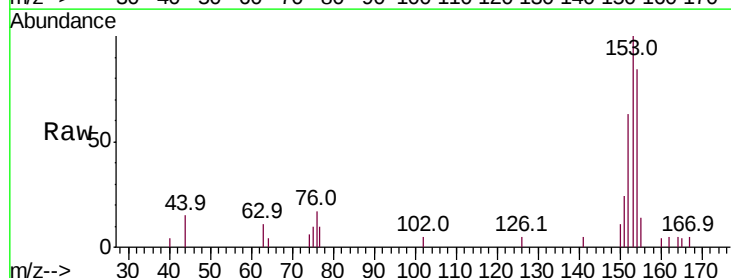
Delta R.T. 0.00 min

Lab File: BM020407.D

Acq: 18 May 2019 19:39

Tgt Ion:153 Resp: 12081

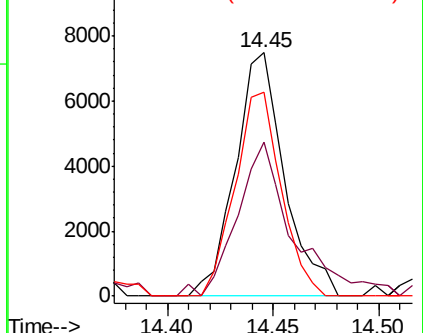
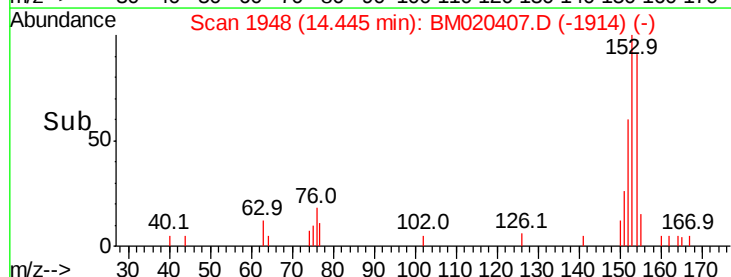
Ion	Ratio	Lower	Upper
153	100		
152	63.1	37.9	56.9#
154	83.9	71.2	106.8

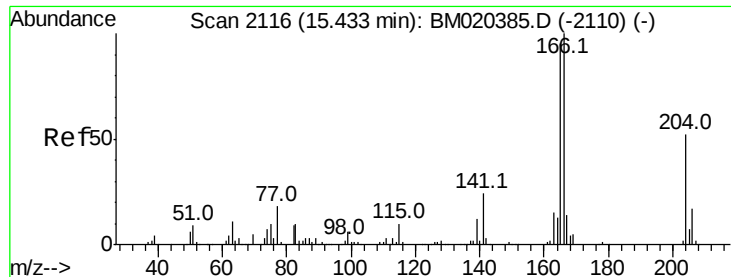


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#58

Fluorene

Concen: 8.345 ng/ul

RT: 15.43 min Scan# 2115

Delta R.T. -0.01 min

Lab File: BM020407.D

Acq: 18 May 2019 19:39

Instrument :

BNA_M

ClientSampleId :

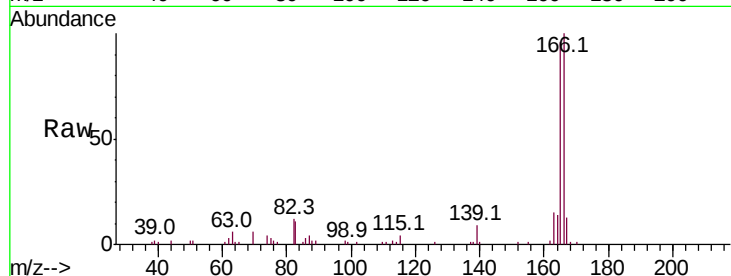
Tot Ion:166 Resp: 86254

Ion Ratio Lower Upper

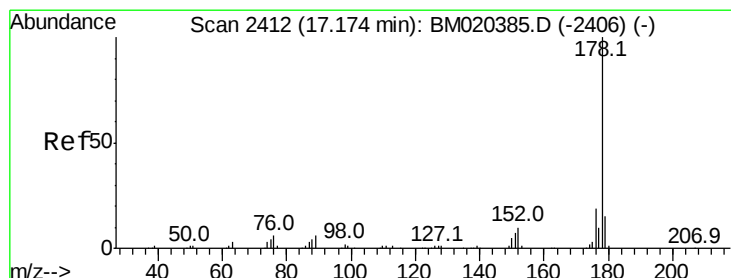
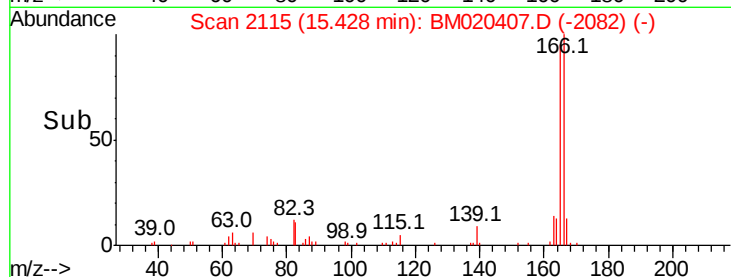
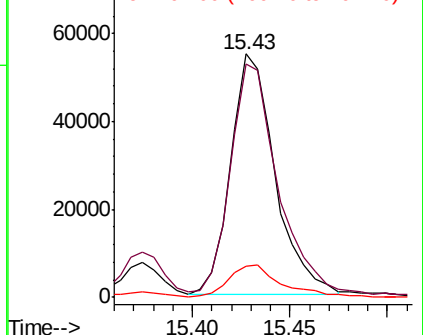
166 100

165 95.9 77.1 115.7

167 12.8 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: 26.054 ng/ul

RT: 17.17 min Scan# 2411

Delta R.T. -0.01 min

Lab File: BM020407.D

Acq: 18 May 2019 19:39

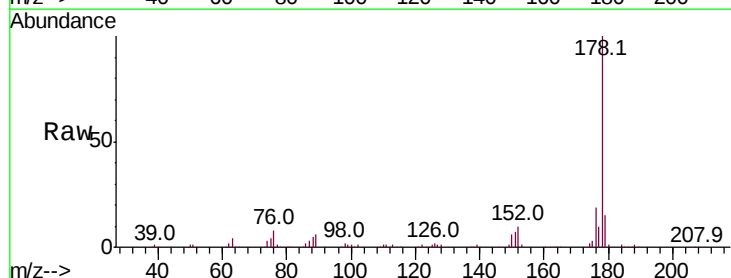
Tgt Ion:178 Resp: 445788

Ion Ratio Lower Upper

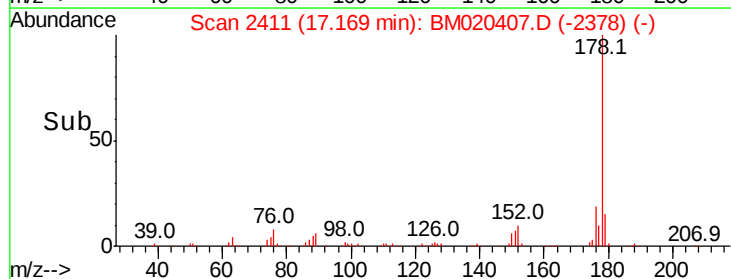
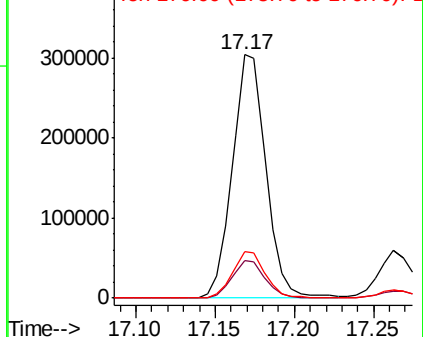
178 100

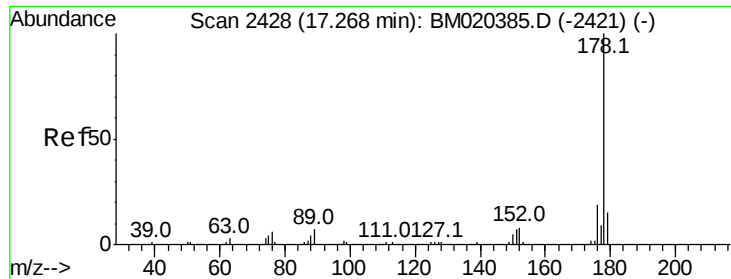
179 15.4 11.9 17.9

176 19.3 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

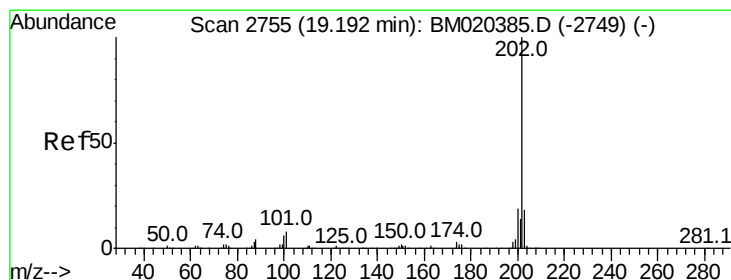
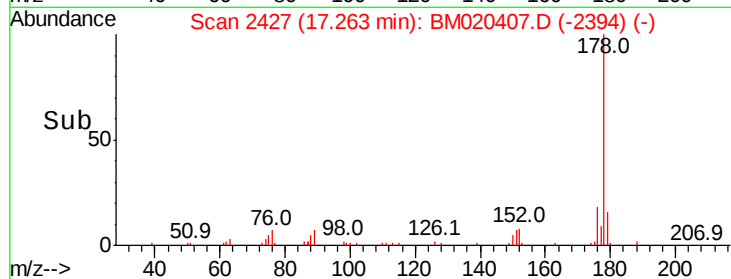
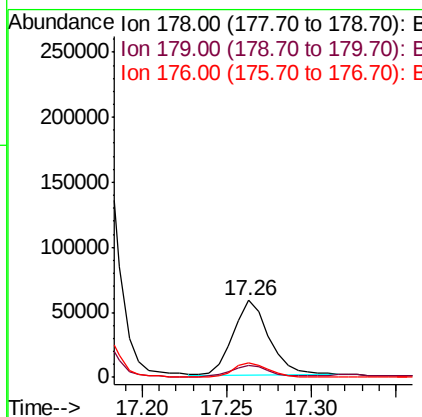
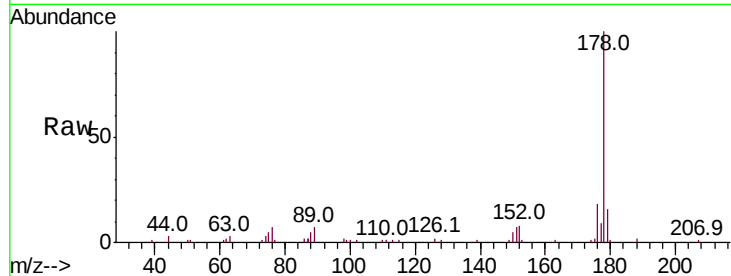




#71
 Anthracene
 Concen: 4.967 ng/ul
 RT: 17.26 min Scan# 2427
 Delta R.T. -0.01 min
 Lab File: BM020407.D
 Acq: 18 May 2019 19:39

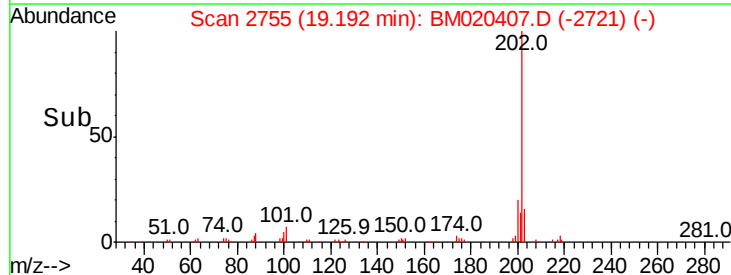
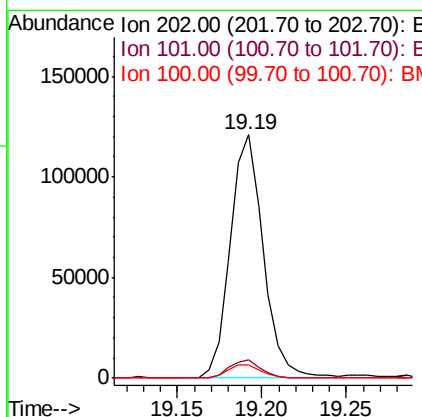
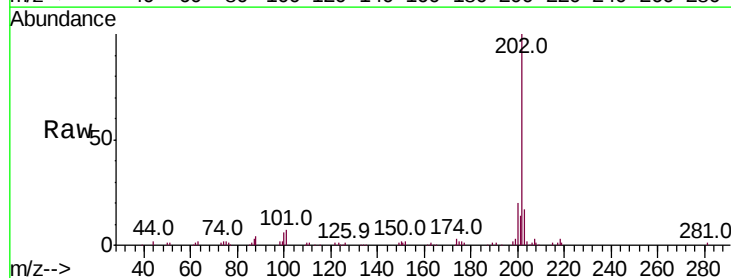
Instrument :
 BNA_M
 ClientSampleId :

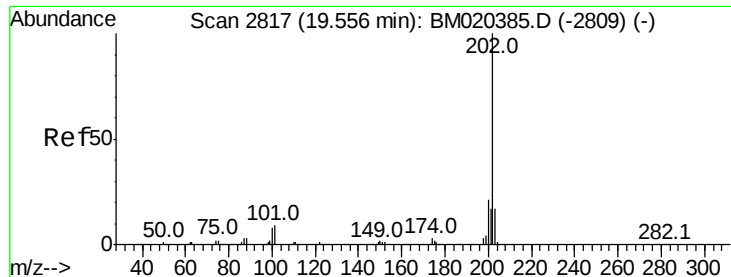
Tot Ion:178 Resp: 86457
 Ion Ratio Lower Upper
 178 100
 179 15.7 12.4 18.6
 176 18.4 14.4 21.6



#76
 Fluoranthene
 Concen: 7.639 ng/ul
 RT: 19.19 min Scan# 2755
 Delta R.T. 0.00 min
 Lab File: BM020407.D
 Acq: 18 May 2019 19:39

Tgt Ion:202 Resp: 165096
 Ion Ratio Lower Upper
 202 100
 101 7.5 6.4 9.6
 100 5.6 5.2 7.8





#79

Pvrene

Concen: 10.291 ng/ul

RT: 19.56 min Scan# 2817

Delta R.T. 0.00 min

Lab File: BM020407.D

Acq: 18 May 2019 19:39

Instrument :

BNA_M

ClientSampleId :

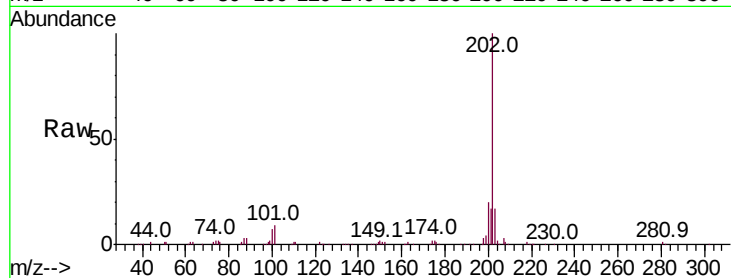
Tot Ion:202 Resp: 244704

Ion Ratio Lower Upper

202 100

101 8.6 7.1 10.7

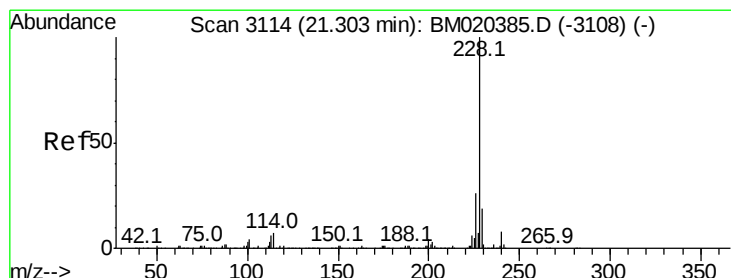
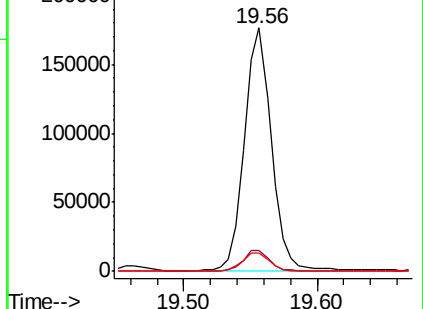
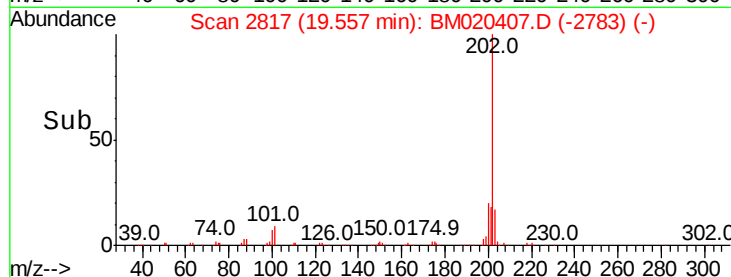
100 7.3 5.9 8.9



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: 2.874 ng/ul

RT: 21.36 min Scan# 3123

Delta R.T. 0.05 min

Lab File: BM020407.D

Acq: 18 May 2019 19:39

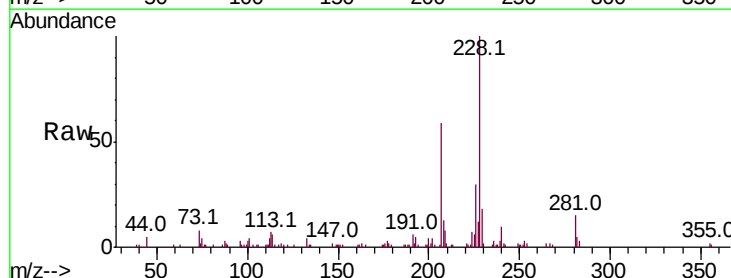
Tgt Ion:228 Resp: 68518

Ion Ratio Lower Upper

228 100

229 18.0 15.8 23.8

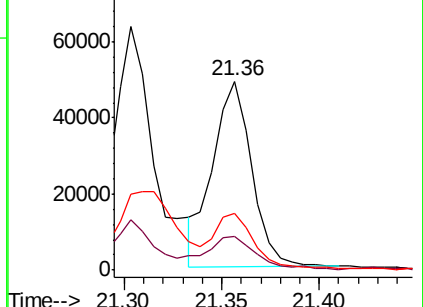
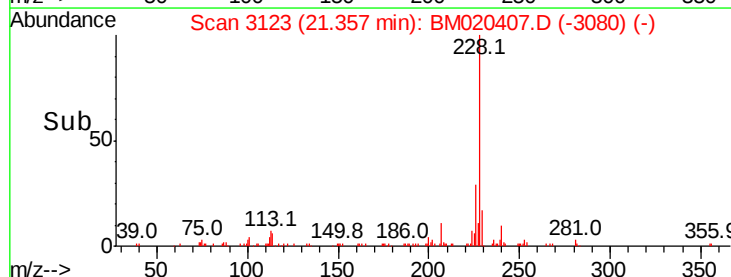
226 29.7 20.6 30.8

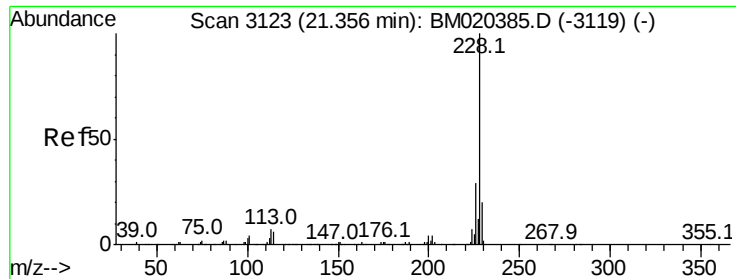


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#84

Chrysene

Concen: 3.115 ng/ul

RT: 21.36 min Scan# 3123

Delta R.T. 0.00 min

Lab File: BM020407.D

Acq: 18 May 2019 19:39

Instrument :

BNA_M

ClientSampled :

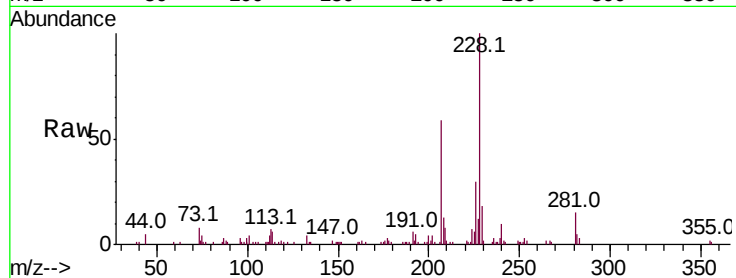
Tot Ion:228 Resp: 70979

Ion	Ratio	Lower	Upper
228	100		
226	29.7	22.2	33.4
229	18.0	15.4	23.2

228 100

226 29.7 22.2 33.4

229 18.0 15.4 23.2

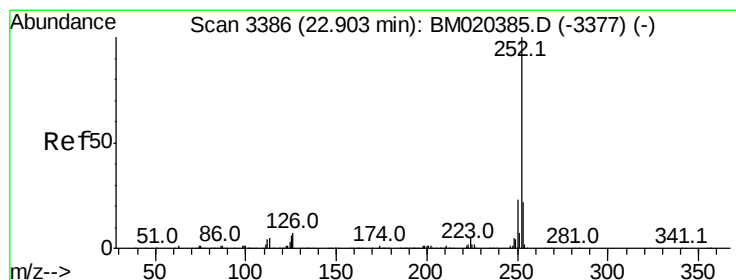
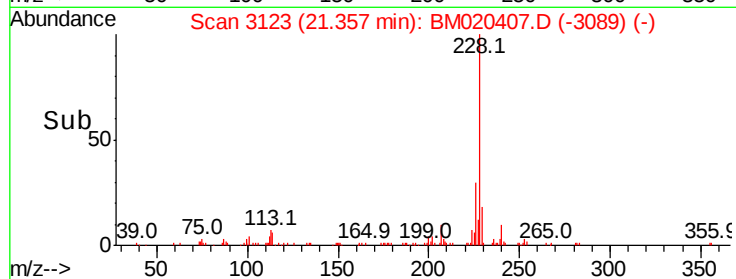
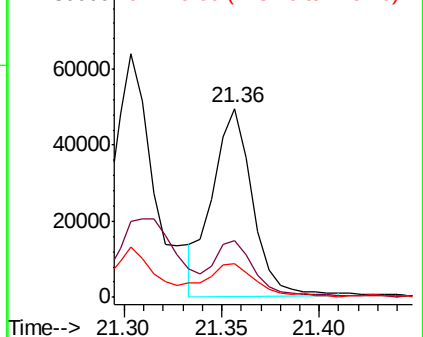


Abundance

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: 2.046 ng/ul

RT: 22.90 min Scan# 3386

Delta R.T. 0.00 min

Lab File: BM020407.D

Acq: 18 May 2019 19:39

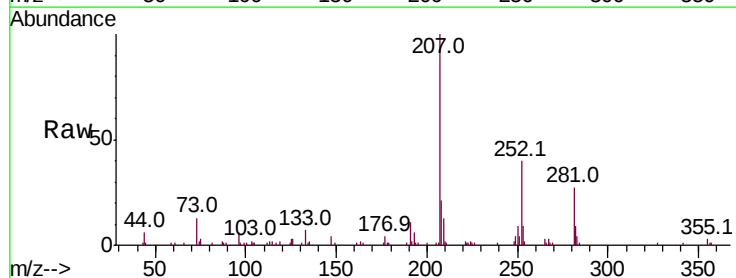
Tgt Ion:252 Resp: 52106

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.0	25.6
125	8.8	5.0	7.4

252 100

253 21.5 17.0 25.6

125 8.8 5.0 7.4

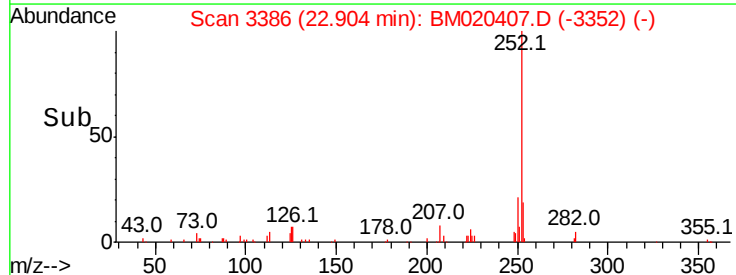
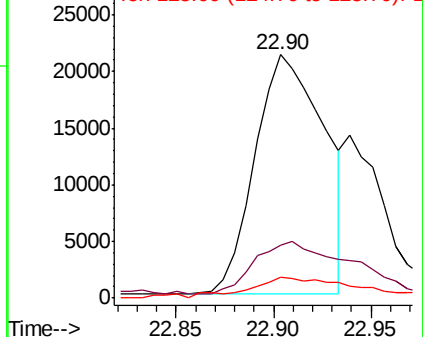


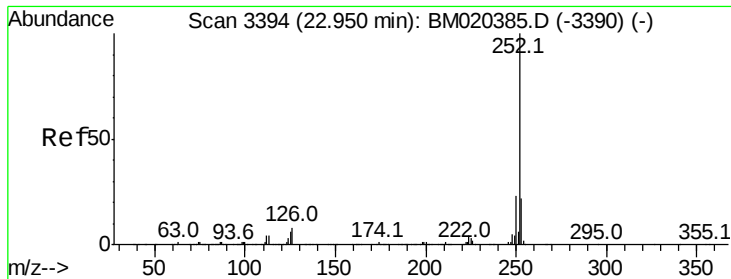
Abundance

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: 2.083 ng/ul

RT: 22.90 min Scan# 3386

Delta R.T. -0.05 min

Lab File: BM020407.D

Acq: 18 May 2019 19:39

Instrument :

BNA_M

ClientSampled :

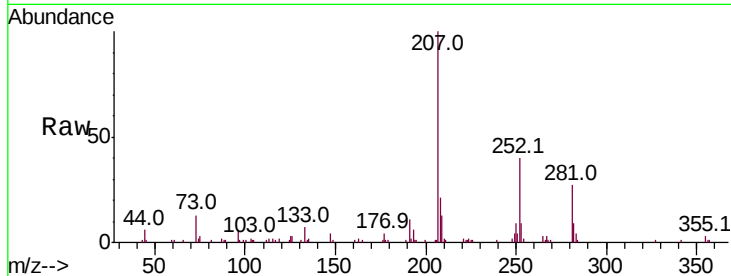
Tot Ion:252 Resp: 52106

Ion Ratio Lower Upper

252 100

253 21.5 17.6 26.4

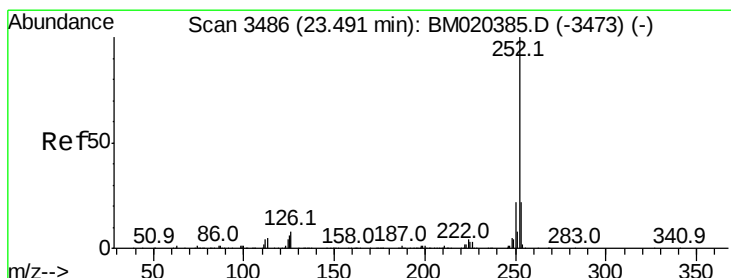
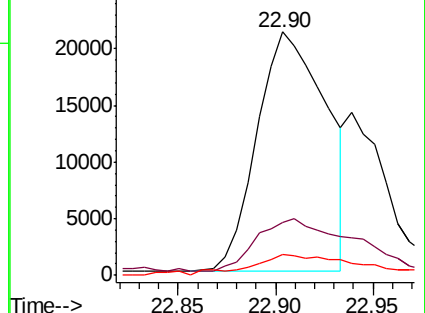
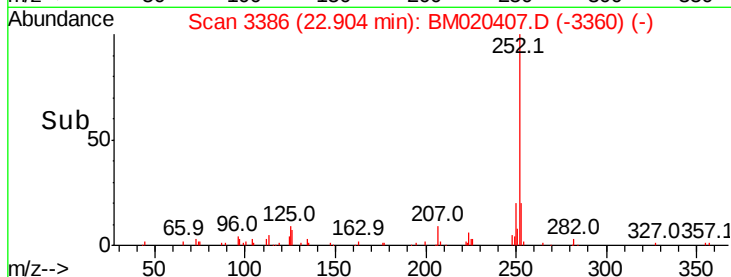
125 8.8 5.0 7.6#



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: 2.643 ng/ul

RT: 23.49 min Scan# 3485

Delta R.T. -0.01 min

Lab File: BM020407.D

Acq: 18 May 2019 19:39

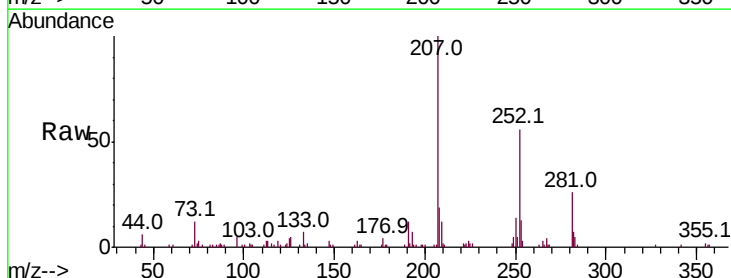
Tgt Ion:252 Resp: 63329

Ion Ratio Lower Upper

252 100

253 22.2 17.4 26.2

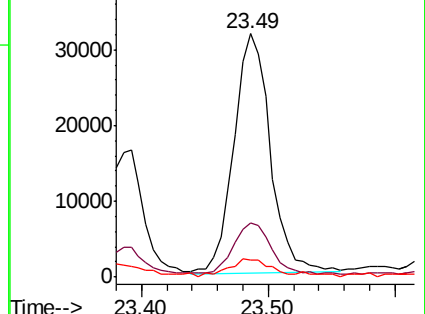
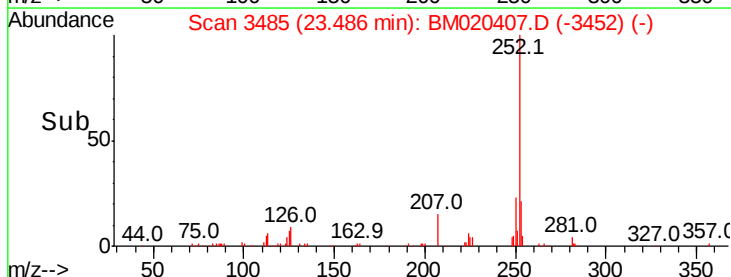
125 6.8 5.4 8.2

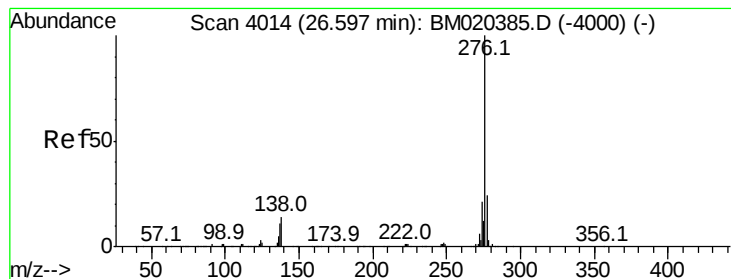


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#93

Benzo(a,h,i)perylene

Concen: 1.104 ng/ul

RT: 26.58 min Scan# 4011

Delta R.T. -0.02 min

Lab File: BM020407.D

Acq: 18 May 2019 19:39

Instrument :

BNA_M

ClientSampleId :

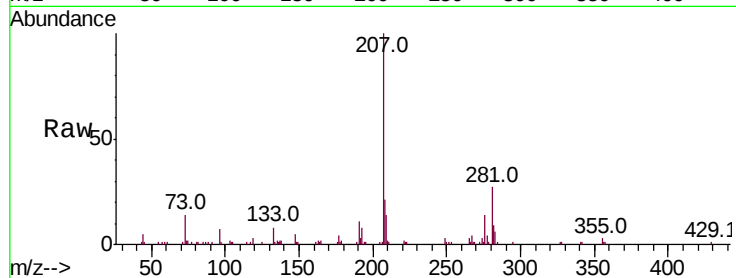
Tot Ion:276 Resp: 24953

Ion Ratio Lower Upper

276 100

138 15.9 10.0 15.0#

277 30.8 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

