

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
 Data File : BM020404.D
 Acq On : 18 May 2019 16:37
 Operator : JU/SJ
 Sample : K2604-13MEDL 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: May 20 07:13:03 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	72858	20.00	ng/ul	0.00
18) Naphthalene-d8	10.52	136	267637	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.38	164	165673	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.13	188	401372	20.00	ng/ul	0.00
77) Chrysene-d12	21.33	240	445824	20.00	ng/ul	0.00
85) Perylene-d12	23.59	264	488043	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	1192	0.60	ng/uL	0.01
5) Phenol-d5	6.90	99	22964	3.95	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.07	67	16542	4.48	ng/ul	0.00
9) 2-Chlorophenol-d4	7.26	132	18750	4.40	ng/ul	0.00
13) 4-Methylphenol-d8	8.43	113	14799	3.50	ng/ul	0.00
19) Nitrobenzene-d5	8.90	128	9003	5.17	ng/ul	0.00
22) 2-Nitrophenol-d4	9.62	143	8391	4.37	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.15	165	20316	5.00	ng/ul	0.00
29) 4-Chloroaniline-d4	10.67	131	18035	4.30	ng/ul	0.00
43) Dimethylphthalate-d6	13.79	166	88264	7.40	ng/ul	0.00
46) Acenaphthylene-d8	14.07	160	102504	6.87	ng/ul	0.00
51) 4-Nitrophenol-d4	14.61	143	1679	0.97	ng/ul	0.01
57) Fluorene-d10	15.37	176	80086	7.55	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.50	200	4790	2.10	ng/ul	0.00
70) Anthracene-d10	17.23	188	119720	6.95	ng/ul	0.00
78) Pyrene-d10	19.53	212	151370	7.05	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.44	264	158037	7.13	ng/ul	0.00

Target Compounds

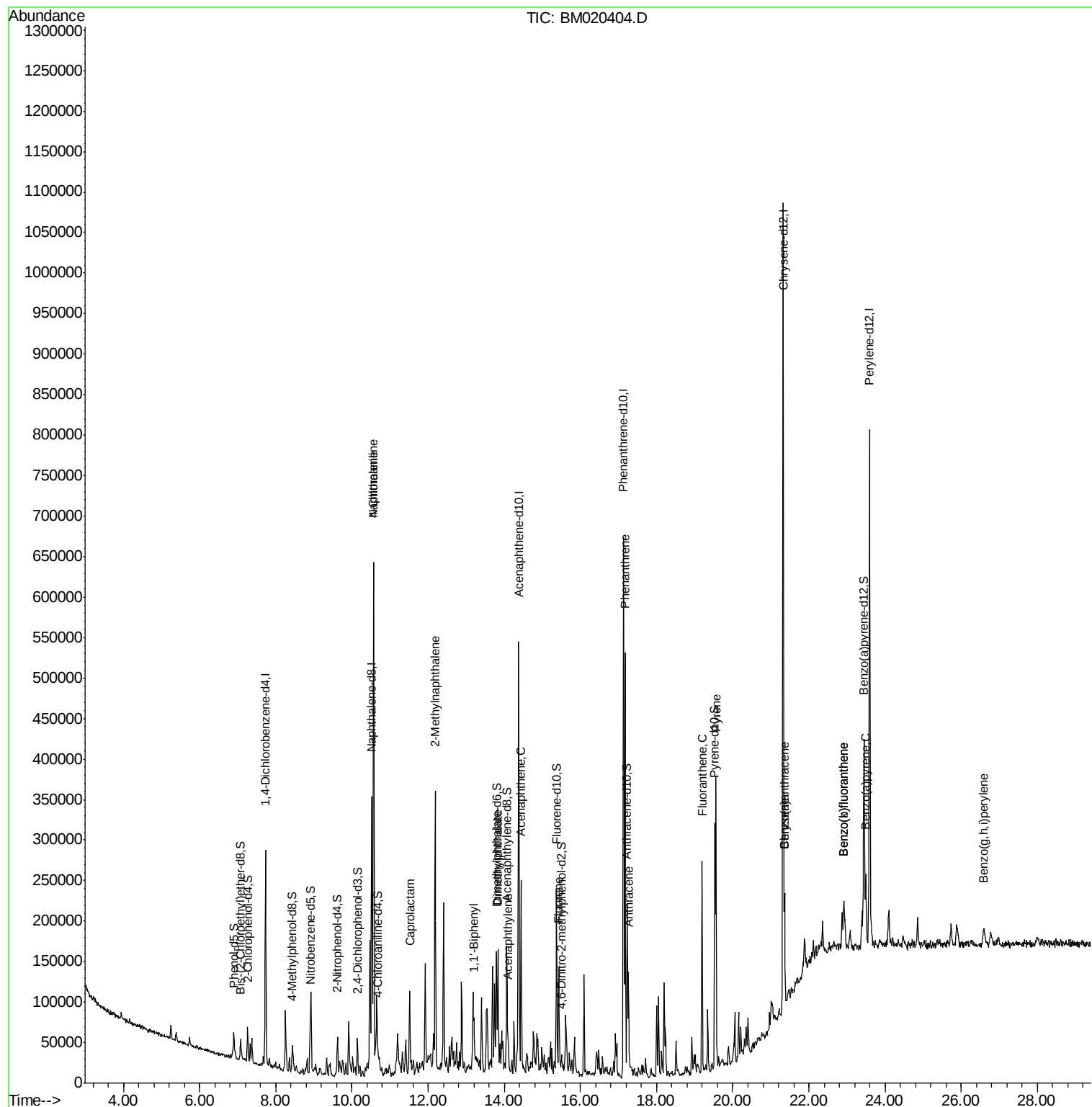
					Ovalue	
28) Naphthalene	10.57	128	472548	38.430	ng/ul	99
30) 4-Chloroaniline	10.57	127	61231	14.274	ng/ul#	7
32) Caprolactam	11.52	113	3913	3.470	ng/ul#	11
34) 2-Methylnaphthalene	12.19	142	158503	17.803	ng/ul	99
40) 1,1'-Biphenyl	13.21	154	24525	2.068	ng/ul	97
44) Dimethylphthalate	13.84	163	12833	1.088	ng/ul#	94
47) Acenaphthylene	14.10	152	20082	1.428	ng/ul#	89
49) Acenaphthene	14.45	153	87082	9.009	ng/ul	95
58) Fluorene	15.43	166	54602	4.657	ng/ul	98
69) Phenanthrene	17.17	178	322859	16.882	ng/ul	100
71) Anthracene	17.26	178	82775	4.255	ng/ul	99
76) Fluoranthene	19.19	202	154630	6.401	ng/ul	99
79) Pyrene	19.56	202	223215	8.342	ng/ul	100
82) Benzo(a)anthracene	21.36	228	81368	3.032	ng/ul	94
84) Chrysene	21.36	228	83054	3.239	ng/ul	97
87) Benzo(b)fluoranthene	22.91	252	60557	2.174	ng/ul	98
88) Benzo(k)fluoranthene	22.91	252	60557	2.213	ng/ul	99
90) Benzo(a)pyrene	23.49	252	67475	2.574	ng/ul	98
93) Benzo(g,h,i)perylene	26.60	276	30309	1.226	ng/ul	100

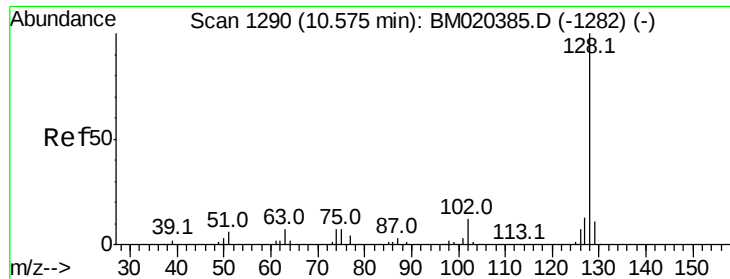
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Sat May 18 05:13:49 2019
Response via : Initial Calibration





#28

Naphthalene

Concen: 38.430 ng/ul

RT: 10.57 min Scan# 1289

Delta R.T. -0.01 min

Lab File: BM020404.D

Acq: 18 May 2019 16:37

Instrument :

BNA_M

ClientSampleId :

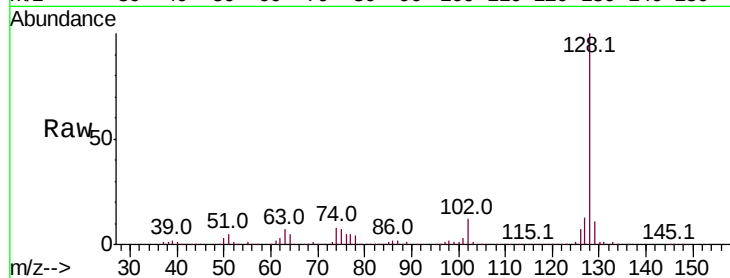
Tot Ion:128 Resp: 472548

Ion Ratio Lower Upper

128 100

129 11.2 8.6 13.0

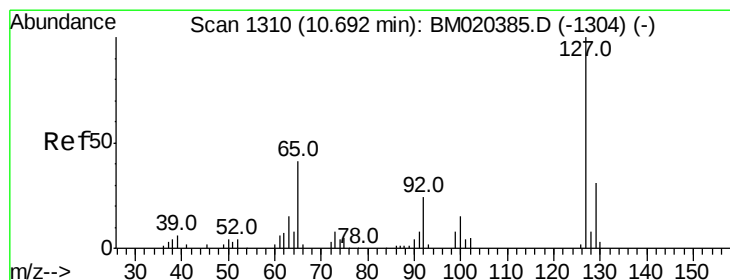
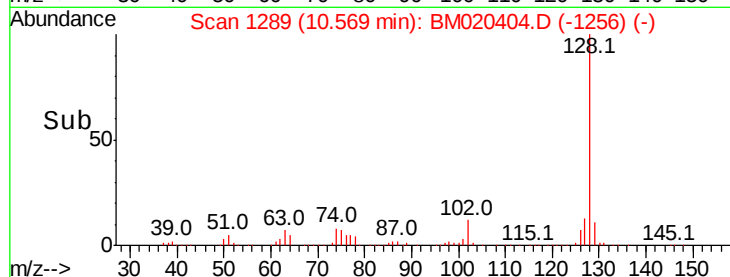
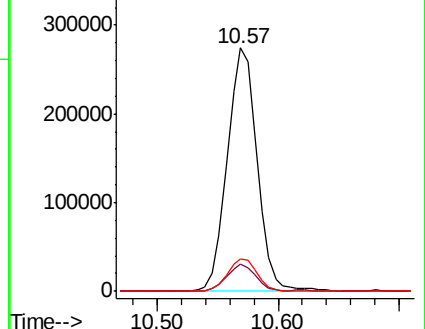
127 13.1 10.6 15.8



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



#30

4-Chloroaniline

Concen: 14.274 ng/ul

RT: 10.57 min Scan# 1289

Delta R.T. -0.12 min

Lab File: BM020404.D

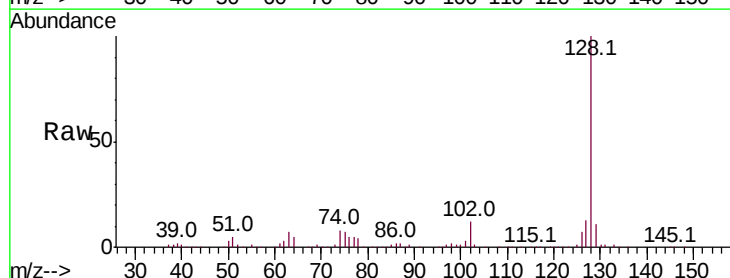
Acq: 18 May 2019 16:37

Tgt Ion:127 Resp: 61231

Ion Ratio Lower Upper

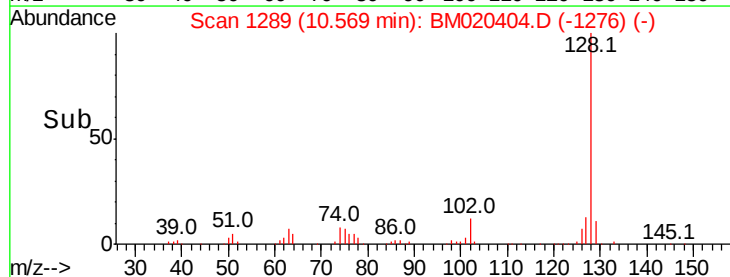
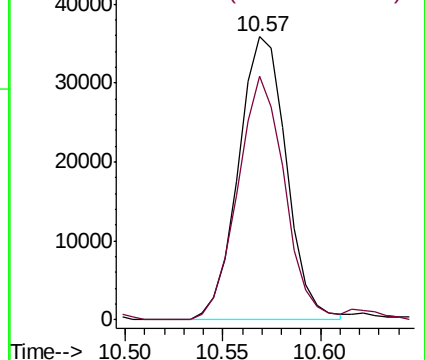
127 100

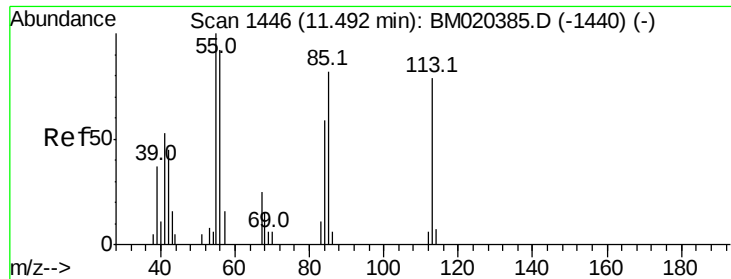
129 86.0 26.5 39.7#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E





#32

Caprolactam

Concen: 3.470 ng/ul

RT: 11.52 min Scan# 1450

Delta R.T. 0.02 min

Lab File: BM020404.D

Acq: 18 May 2019 16:37

Instrument :

BNA_M

ClientSampled :

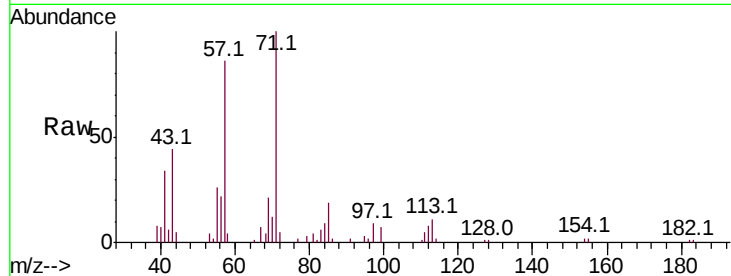
Tot Ion:113 Resp: 3913

Ion Ratio Lower Upper

113 100

55 237.0 104.6 156.8#

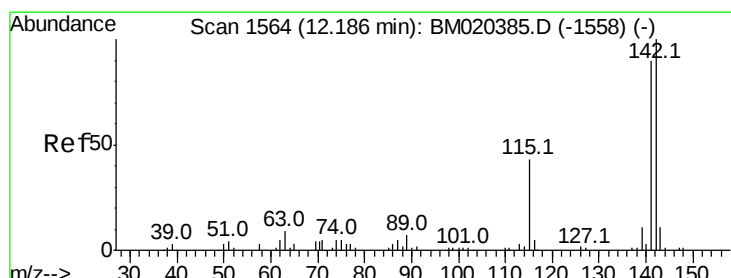
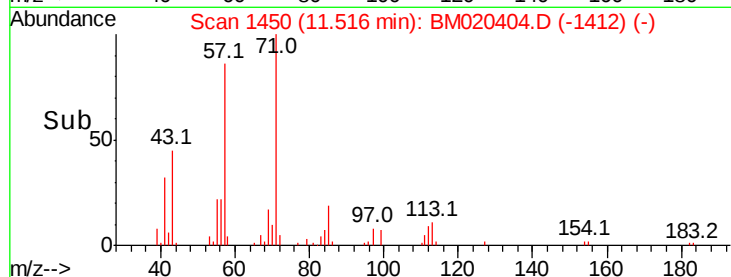
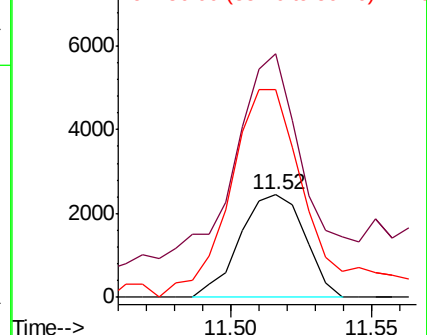
56 202.5 88.4 132.6#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BM0

Ion 56.00 (55.70 to 56.70): BM0



#34

2-Methylnaphthalene

Concen: 17.803 ng/ul

RT: 12.19 min Scan# 1564

Delta R.T. 0.00 min

Lab File: BM020404.D

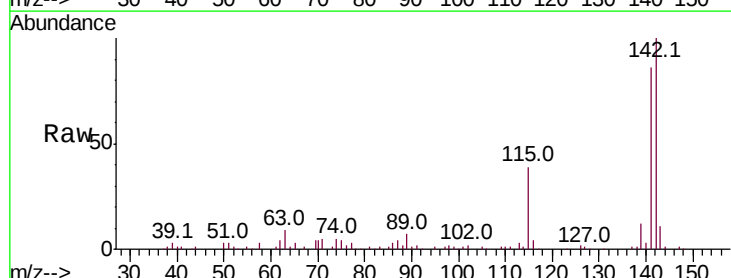
Acq: 18 May 2019 16:37

Tgt Ion:142 Resp: 158503

Ion Ratio Lower Upper

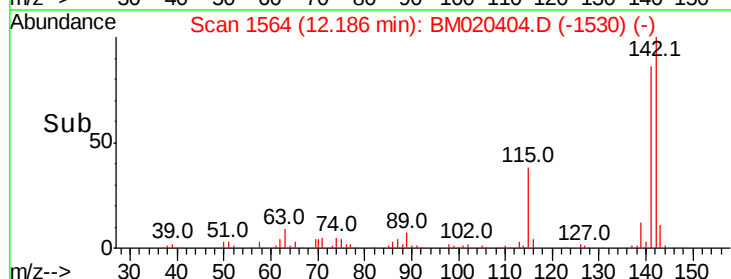
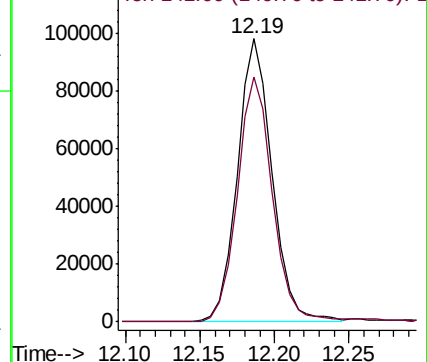
142 100

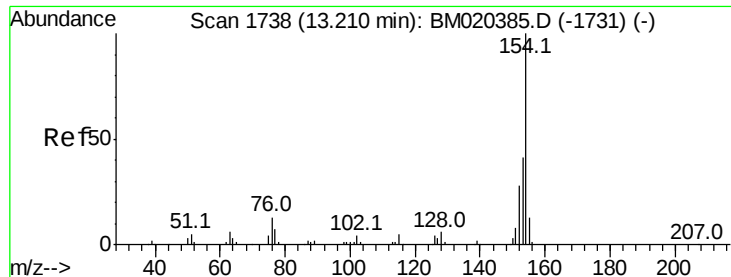
141 86.5 68.6 102.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

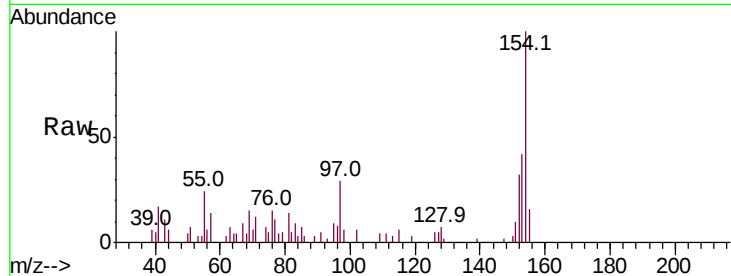




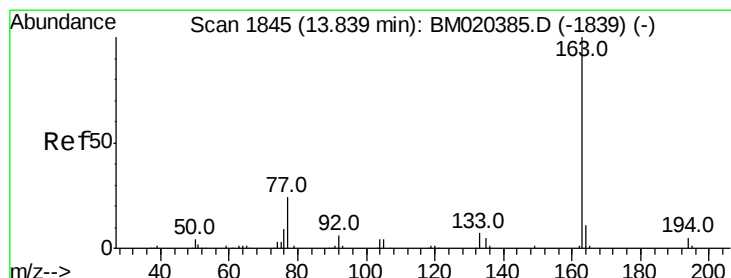
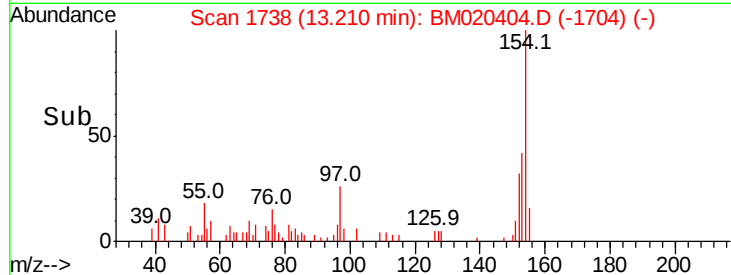
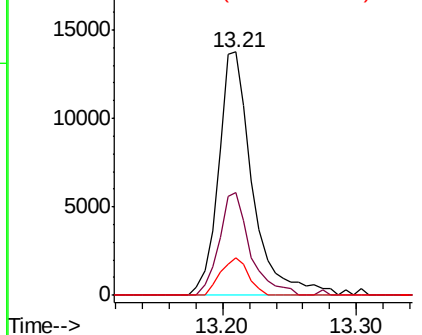
#40
 1,1'-Biphenyl
 Concen: 2.068 ng/ul
 RT: 13.21 min Scan# 1738
 Delta R.T. 0.00 min
 Lab File: BM020404.D
 Acq: 18 May 2019 16:37

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
154	100		
153	42.2	32.2	48.4
76	15.2	11.0	16.4

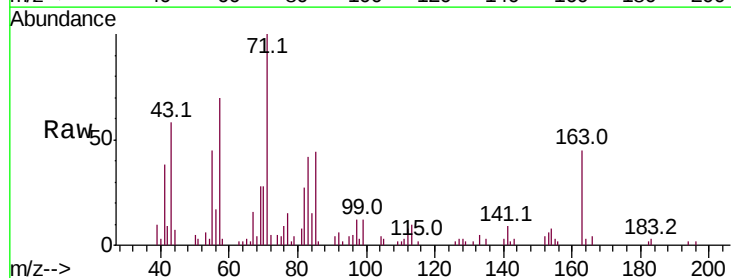


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BM

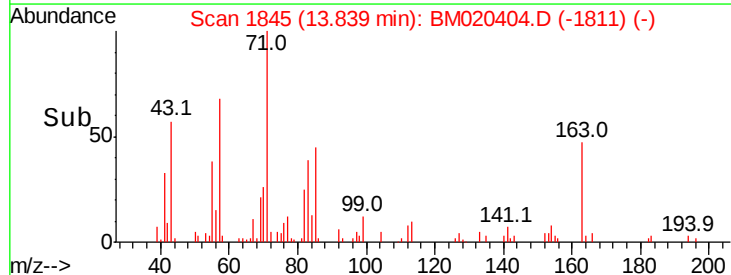
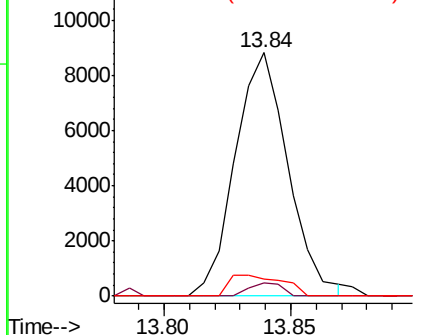


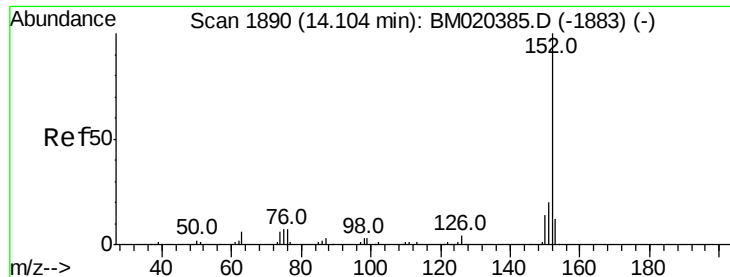
#44
 Dimethylphthalate
 Concen: 1.088 ng/ul
 RT: 13.84 min Scan# 1845
 Delta R.T. 0.00 min
 Lab File: BM020404.D
 Acq: 18 May 2019 16:37

Tgt Ion	Ratio	Lower	Upper
163	100		
194	5.4	3.3	4.9#
164	7.2	8.0	12.0#



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E





#47

Acenaphthylene

Concen: 1.428 ng/ul

RT: 14.10 min Scan# 1890

Delta R.T. 0.00 min

Lab File: BM020404.D

Acq: 18 May 2019 16:37

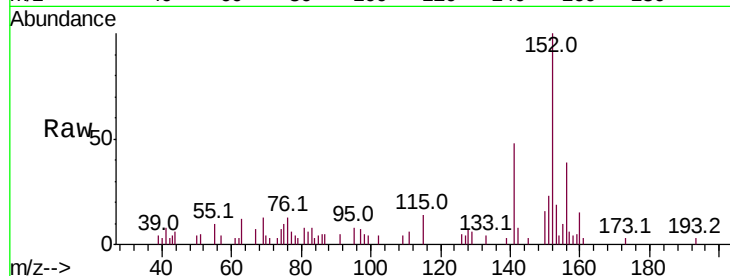
Instrument :

BNA_M

ClientSampleId :

Tot Ion:152 Resp: 20082

Ion	Ratio	Lower	Upper
152	100		
151	23.0	15.4	23.0
153	19.1	10.3	15.5#

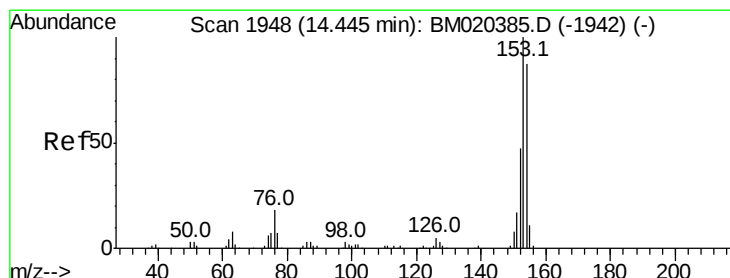
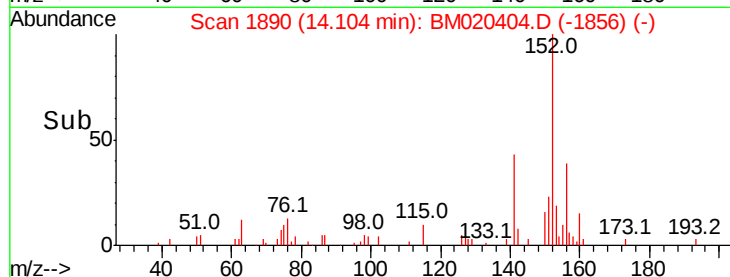
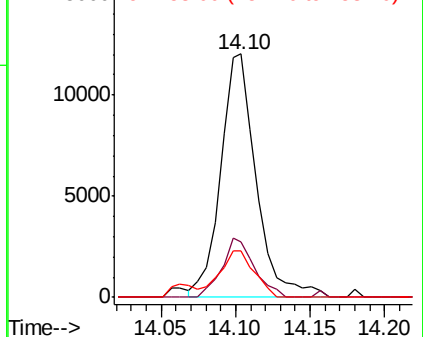


Abundance

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: 9.009 ng/ul

RT: 14.45 min Scan# 1948

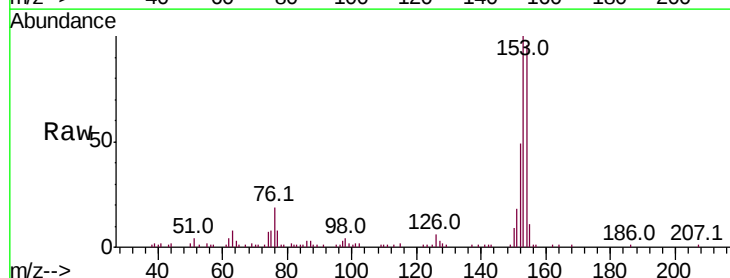
Delta R.T. 0.00 min

Lab File: BM020404.D

Acq: 18 May 2019 16:37

Tgt Ion:153 Resp: 87082

Ion	Ratio	Lower	Upper
153	100		
152	48.9	37.9	56.9
154	95.5	71.2	106.8

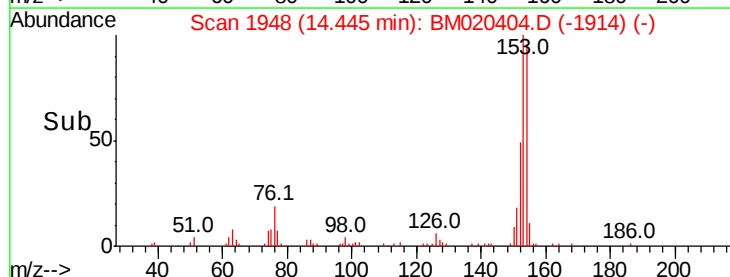
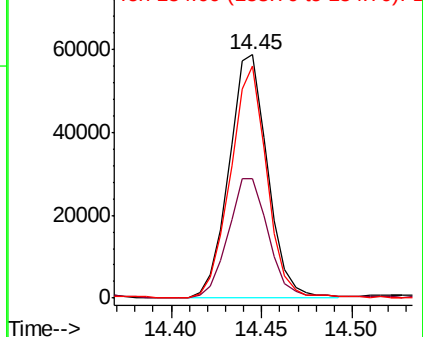


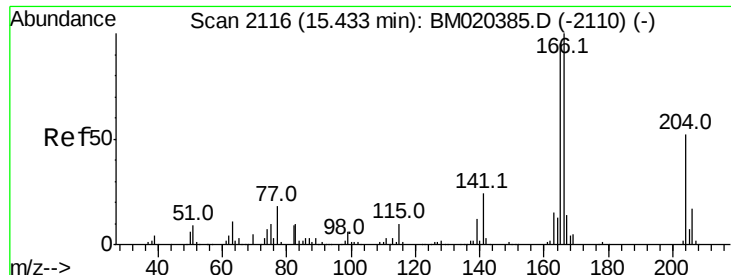
Abundance

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

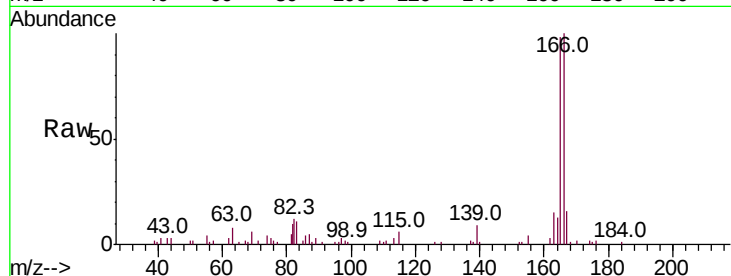




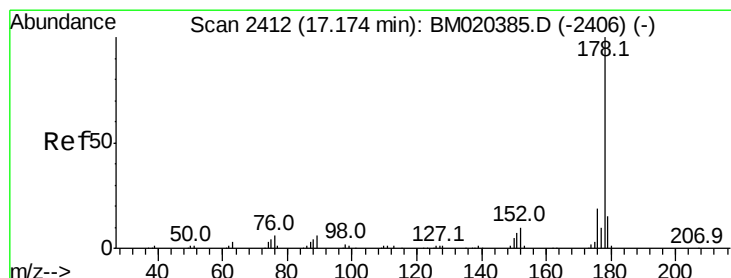
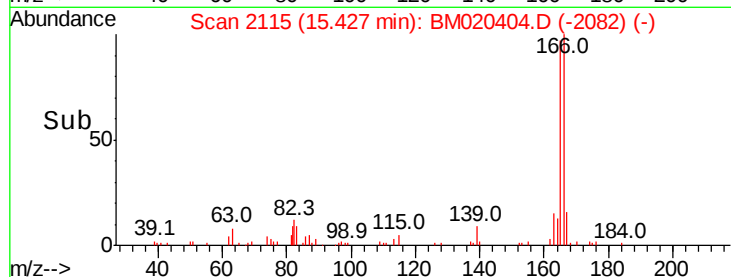
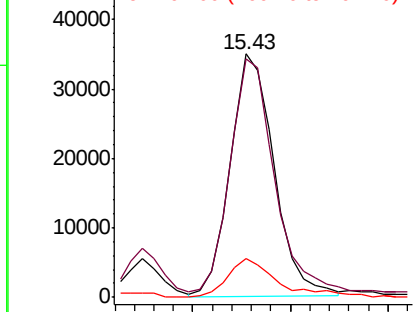
#58
 Fluorene
 Concen: 4.657 ng/ul
 RT: 15.43 min Scan# 2115
 Delta R.T. -0.01 min
 Lab File: BM020404.D
 Acq: 18 May 2019 16:37

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:166 Resp: 54602
 Ion Ratio Lower Upper
 166 100
 165 97.8 77.1 115.7
 167 15.8 11.1 16.7

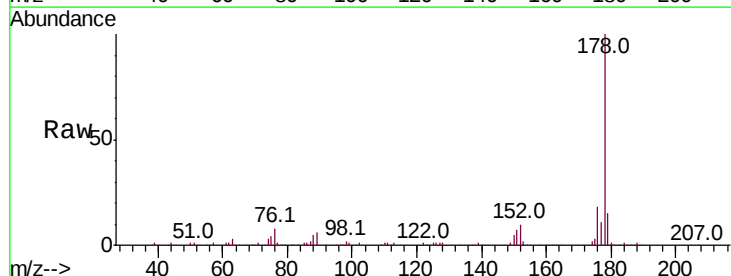


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

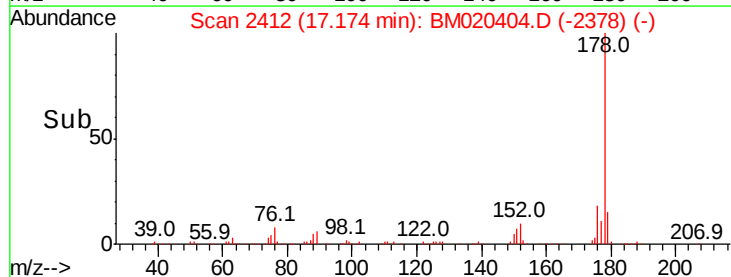
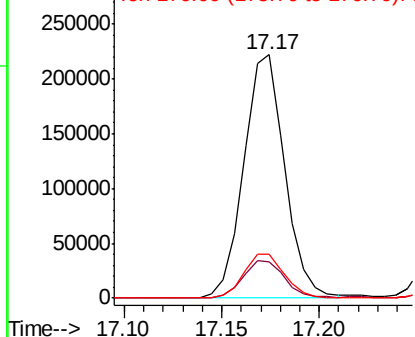


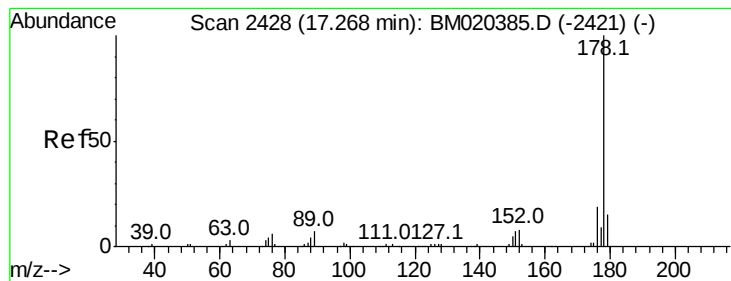
#69
 Phenanthrene
 Concen: 16.882 ng/ul
 RT: 17.17 min Scan# 2412
 Delta R.T. 0.00 min
 Lab File: BM020404.D
 Acq: 18 May 2019 16:37

Tgt Ion:178 Resp: 322859
 Ion Ratio Lower Upper
 178 100
 179 14.9 11.9 17.9
 176 17.9 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: 4.255 ng/ul

RT: 17.26 min Scan# 2427

Delta R.T. -0.01 min

Lab File: BM020404.D

Acq: 18 May 2019 16:37

Instrument :

BNA_M

ClientSampleId :

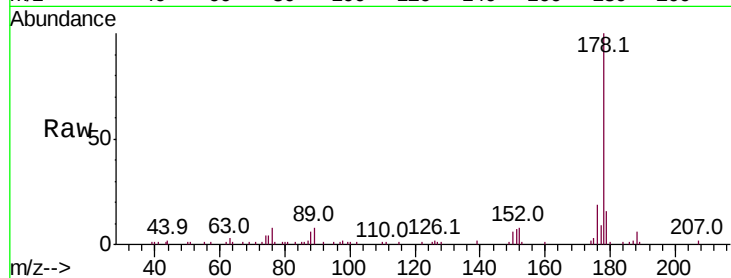
Tot Ion:178 Resp: 82775

Ion Ratio Lower Upper

178 100

179 16.2 12.4 18.6

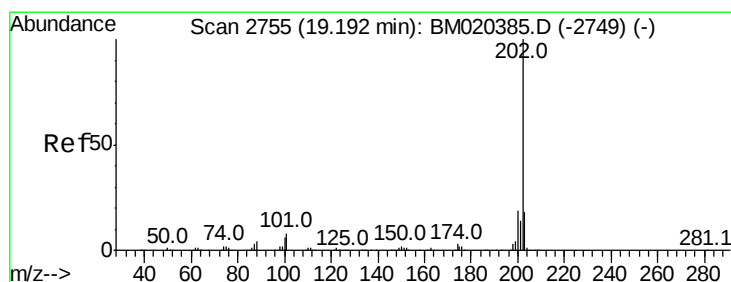
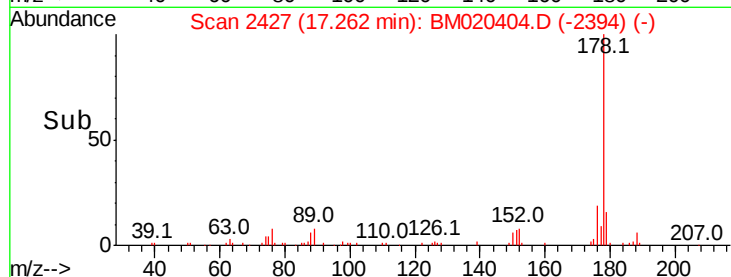
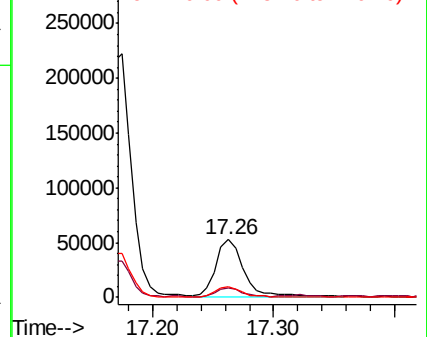
176 18.5 14.4 21.6



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: 6.401 ng/ul

RT: 19.19 min Scan# 2755

Delta R.T. 0.00 min

Lab File: BM020404.D

Acq: 18 May 2019 16:37

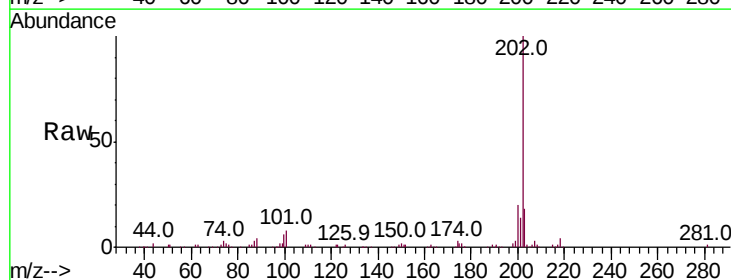
Tgt Ion:202 Resp: 154630

Ion Ratio Lower Upper

202 100

101 7.5 6.4 9.6

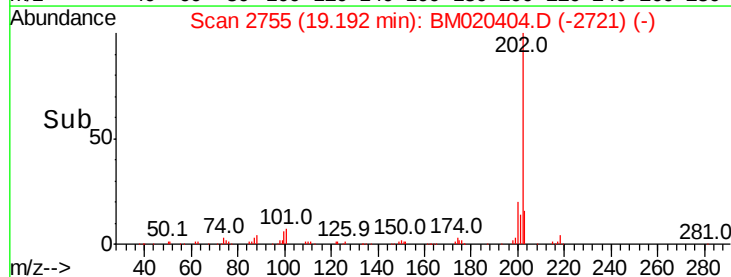
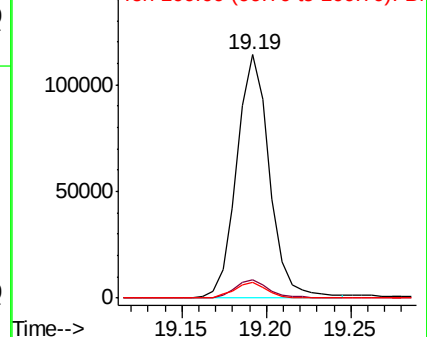
100 6.5 5.2 7.8

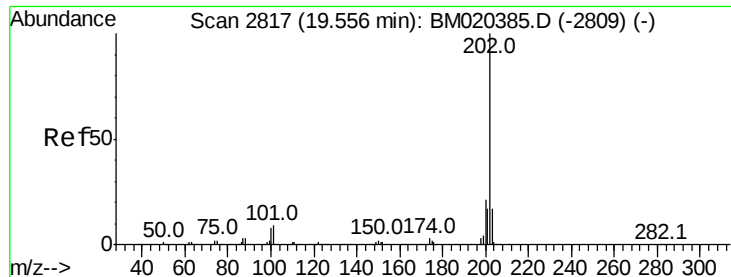


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E





#79

Pvrene

Concen: 8.342 ng/ul

RT: 19.56 min Scan# 2817

Delta R.T. 0.00 min

Lab File: BM020404.D

Acq: 18 May 2019 16:37

Instrument :

BNA_M

ClientSampleId :

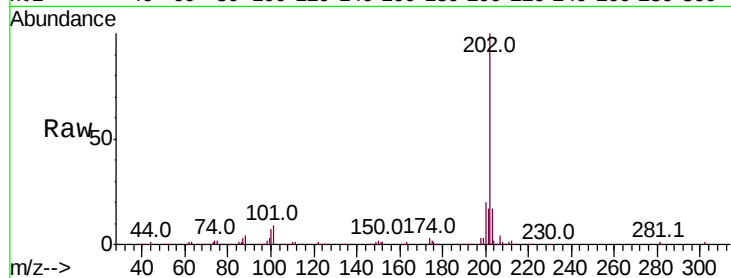
Tot Ion:202 Resp: 223215

Ion Ratio Lower Upper

202 100

101 9.0 7.1 10.7

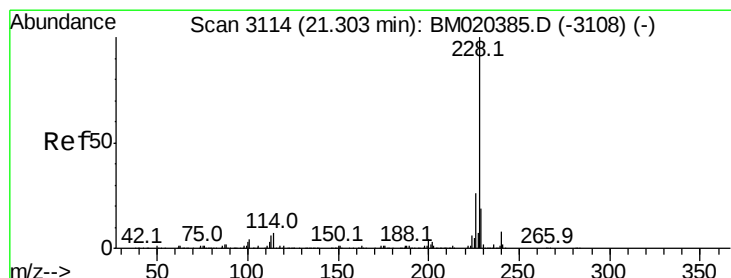
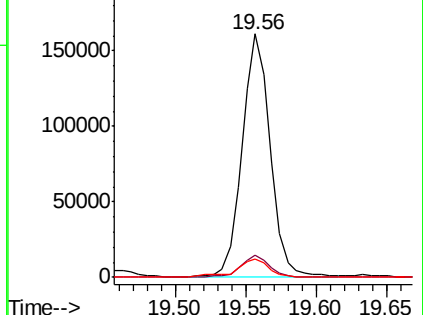
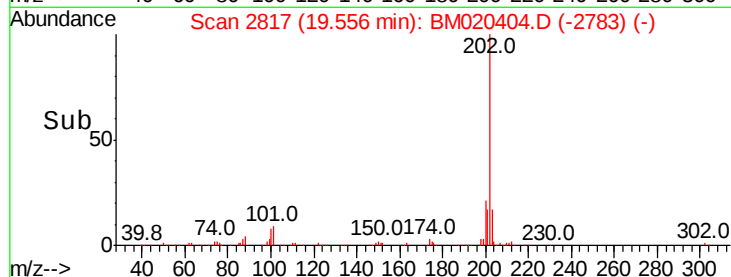
100 7.4 5.9 8.9



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: 3.032 ng/ul

RT: 21.36 min Scan# 3124

Delta R.T. 0.06 min

Lab File: BM020404.D

Acq: 18 May 2019 16:37

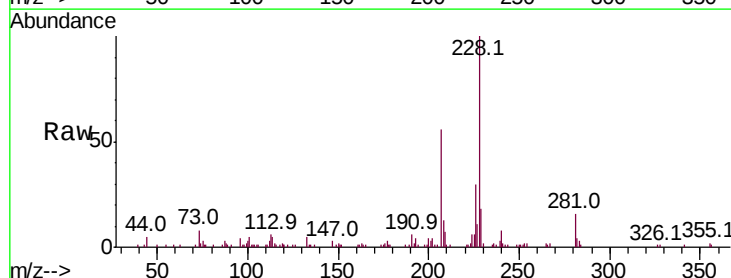
Tgt Ion:228 Resp: 81368

Ion Ratio Lower Upper

228 100

229 18.4 15.8 23.8

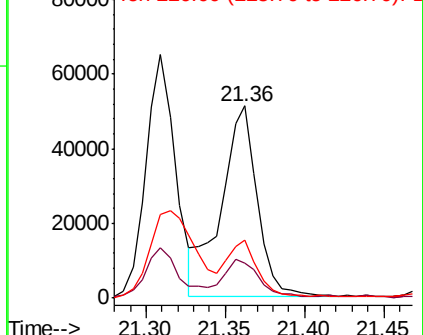
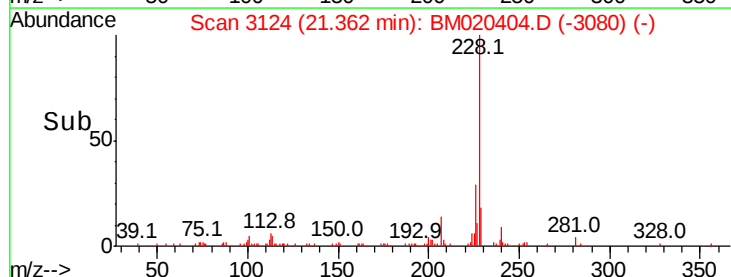
226 29.9 20.6 30.8

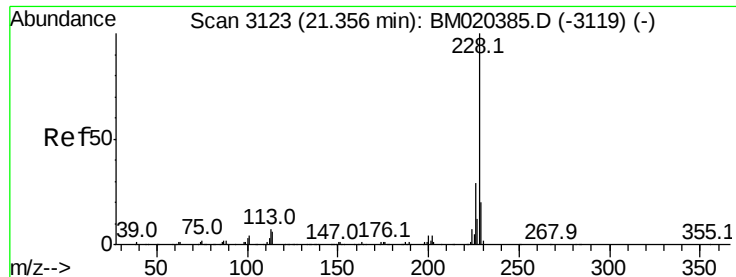


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E

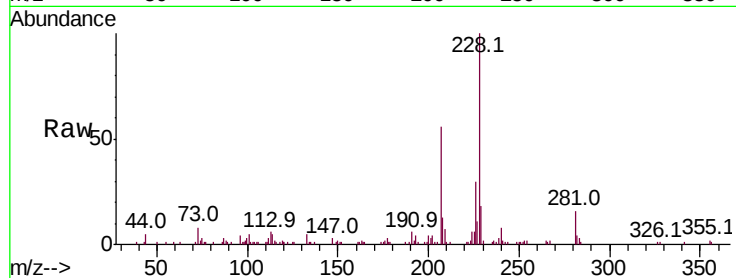




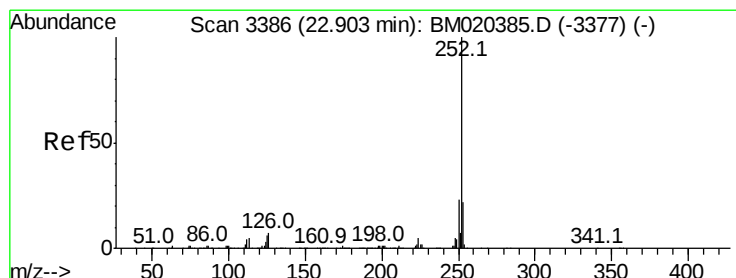
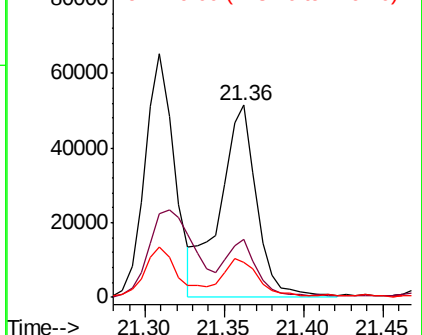
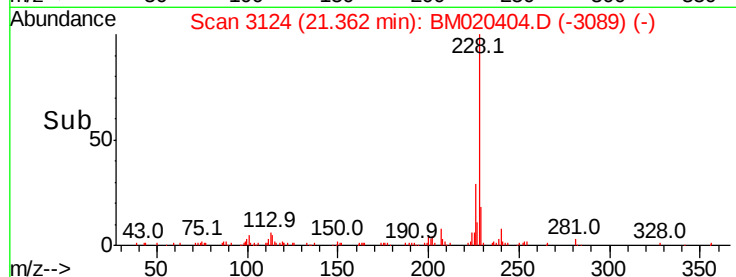
#84
 Chrysene
 Concen: 3.239 ng/ul
 RT: 21.36 min Scan# 3124
 Delta R.T. 0.01 min
 Lab File: BM020404.D
 Acq: 18 May 2019 16:37

Instrument :
 BNA_M
 ClientSampled :

Tot Ion:228 Resp: 83054
 Ion Ratio Lower Upper
 228 100
 226 29.9 22.2 33.4
 229 18.4 15.4 23.2

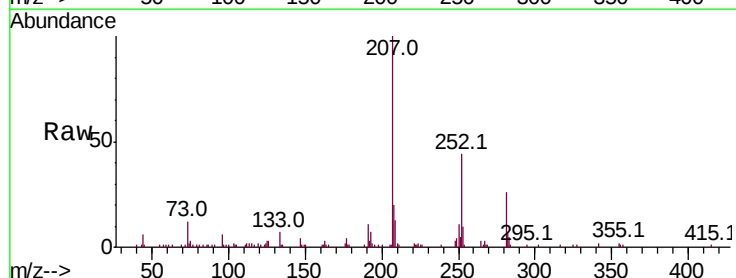


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

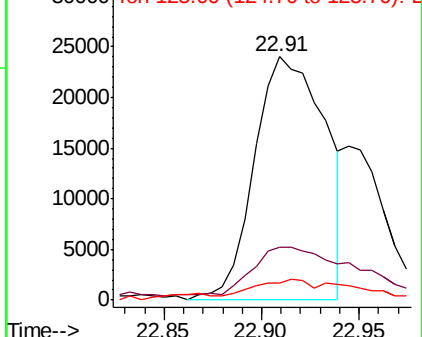
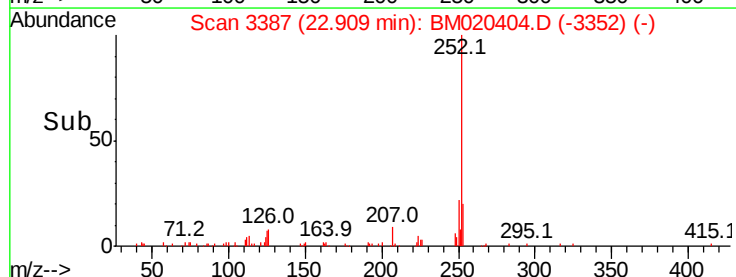


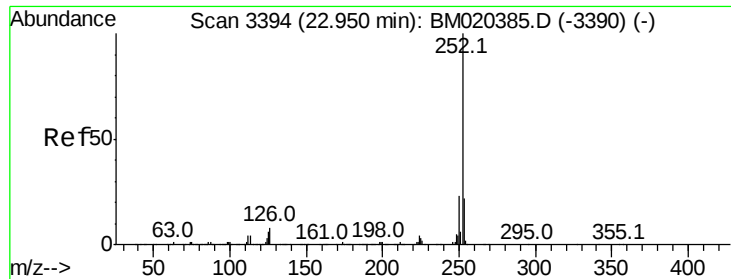
#87
 Benzo(b)fluoranthene
 Concen: 2.174 ng/ul
 RT: 22.91 min Scan# 3387
 Delta R.T. 0.01 min
 Lab File: BM020404.D
 Acq: 18 May 2019 16:37

Tgt Ion:252 Resp: 60557
 Ion Ratio Lower Upper
 252 100
 253 21.9 17.0 25.6
 125 7.2 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

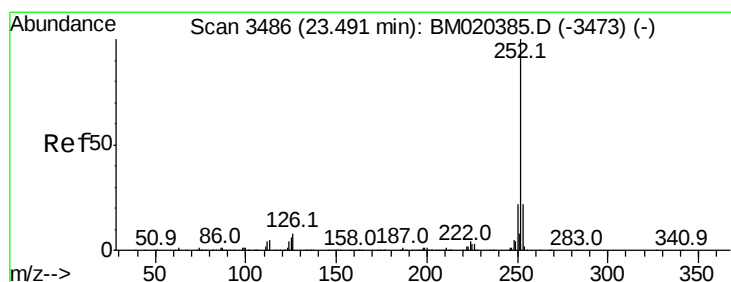
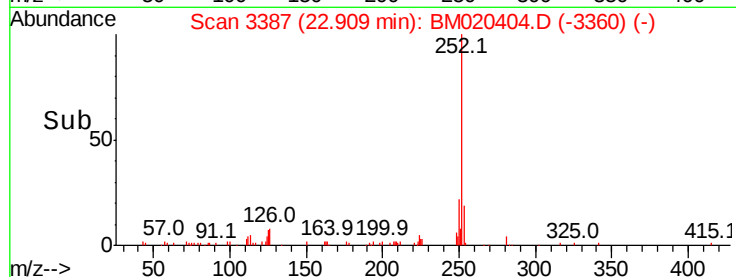
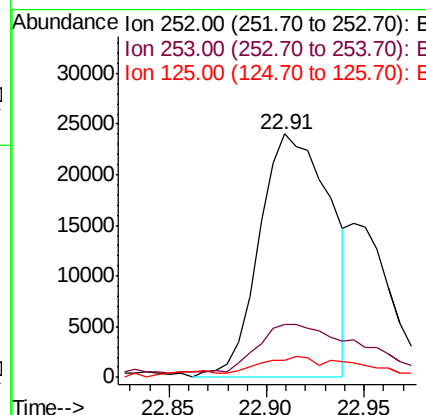
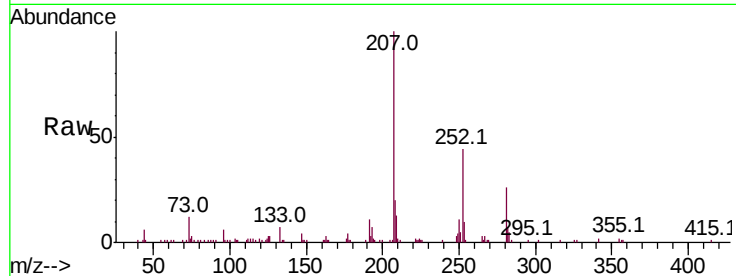




#88
Benzo(k)fluoranthene
Concen: 2.213 ng/ul
RT: 22.91 min Scan# 3387
Delta R.T. -0.04 min
Lab File: BM020404.D
Acq: 18 May 2019 16:37

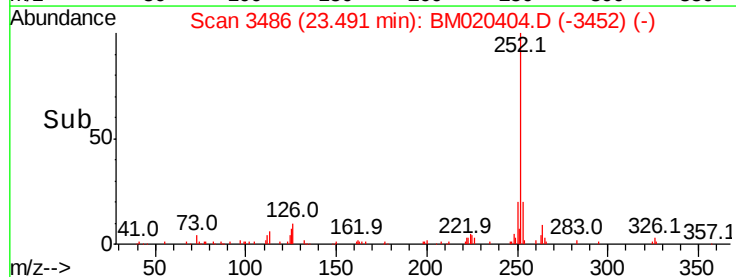
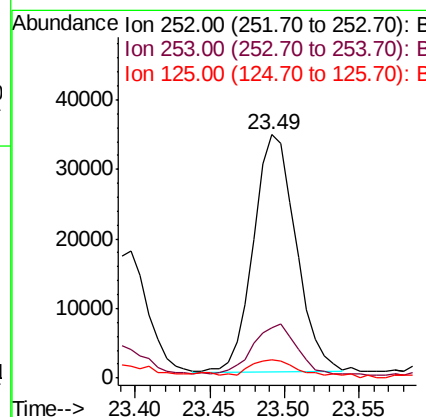
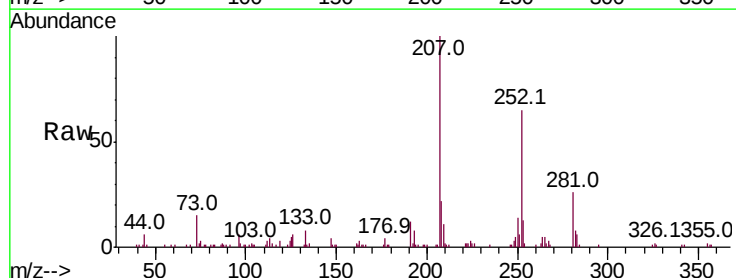
Instrument :
BNA_M
ClientSampleId :

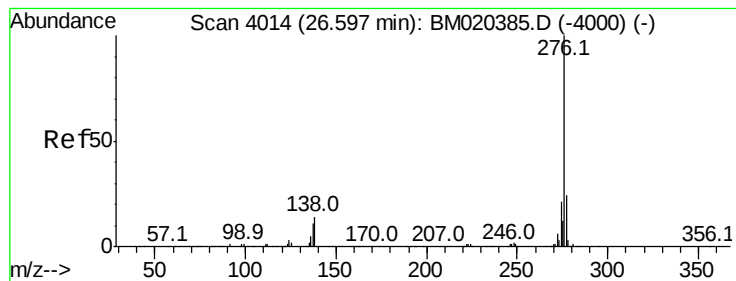
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	7.2	5.0	7.6



#90
Benzo(a)pyrene
Concen: 2.574 ng/ul
RT: 23.49 min Scan# 3486
Delta R.T. 0.00 min
Lab File: BM020404.D
Acq: 18 May 2019 16:37

Tgt Ion	Ratio	Lower	Upper
252	100		
253	20.8	17.4	26.2
125	7.5	5.4	8.2





#93

Benzo(a,h,i)perylene

Concen: 1.226 ng/ul

RT: 26.60 min Scan# 4014

Delta R.T. 0.00 min

Lab File: BM020404.D

Acq: 18 May 2019 16:37

Instrument :

BNA_M

ClientSampleId :

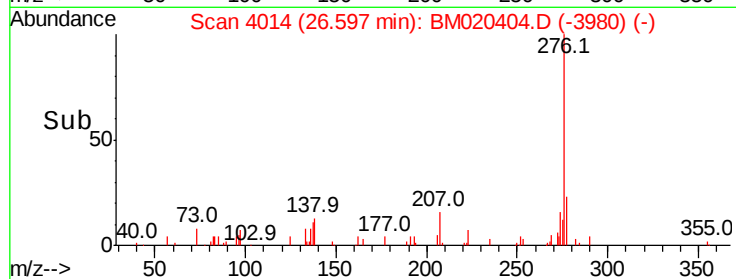
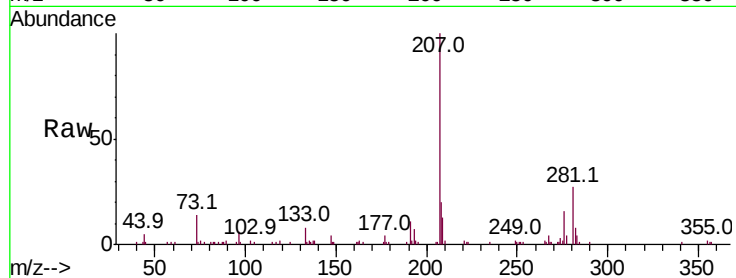
Tot Ion:276 Resp: 30309

Ion Ratio Lower Upper

276 100

138 12.6 10.0 15.0

277 22.6 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

