

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
 Data File : BM020406.D
 Acq On : 18 May 2019 19:02
 Operator : JU/SJ
 Sample : K2604-01MEDL 20X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: May 20 07:13:30 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	65269	20.00	ng/ul	0.00
18) Naphthalene-d8	10.52	136	238980	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.38	164	147544	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.13	188	373395	20.00	ng/ul	0.00
77) Chrysene-d12	21.32	240	418969	20.00	ng/ul	0.00
85) Perylene-d12	23.59	264	468709	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	4405	0.85	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.08	67	3580	1.08	ng/ul	0.00
9) 2-Chlorophenol-d4	7.26	132	4406	1.15	ng/ul	0.00
13) 4-Methylphenol-d8	8.45	113	3106	0.82	ng/ul	0.02
19) Nitrobenzene-d5	8.90	128	1270	0.82	ng/ul	0.00
22) 2-Nitrophenol-d4	9.62	143	1102	0.64	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.15	165	3686	1.02	ng/ul	0.00
29) 4-Chloroaniline-d4	10.70	131	3118	0.83	ng/ul	0.03
43) Dimethylphthalate-d6	13.79	166	17399	1.64	ng/ul	0.00
46) Acenaphthylene-d8	14.07	160	21314	1.61	ng/ul	0.00
51) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
57) Fluorene-d10	15.37	176	17721	1.88	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
70) Anthracene-d10	17.23	188	28874	1.80	ng/ul	0.00
78) Pyrene-d10	19.53	212	35076	1.74	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.44	264	36684	1.72	ng/ul	0.00

Target Compounds

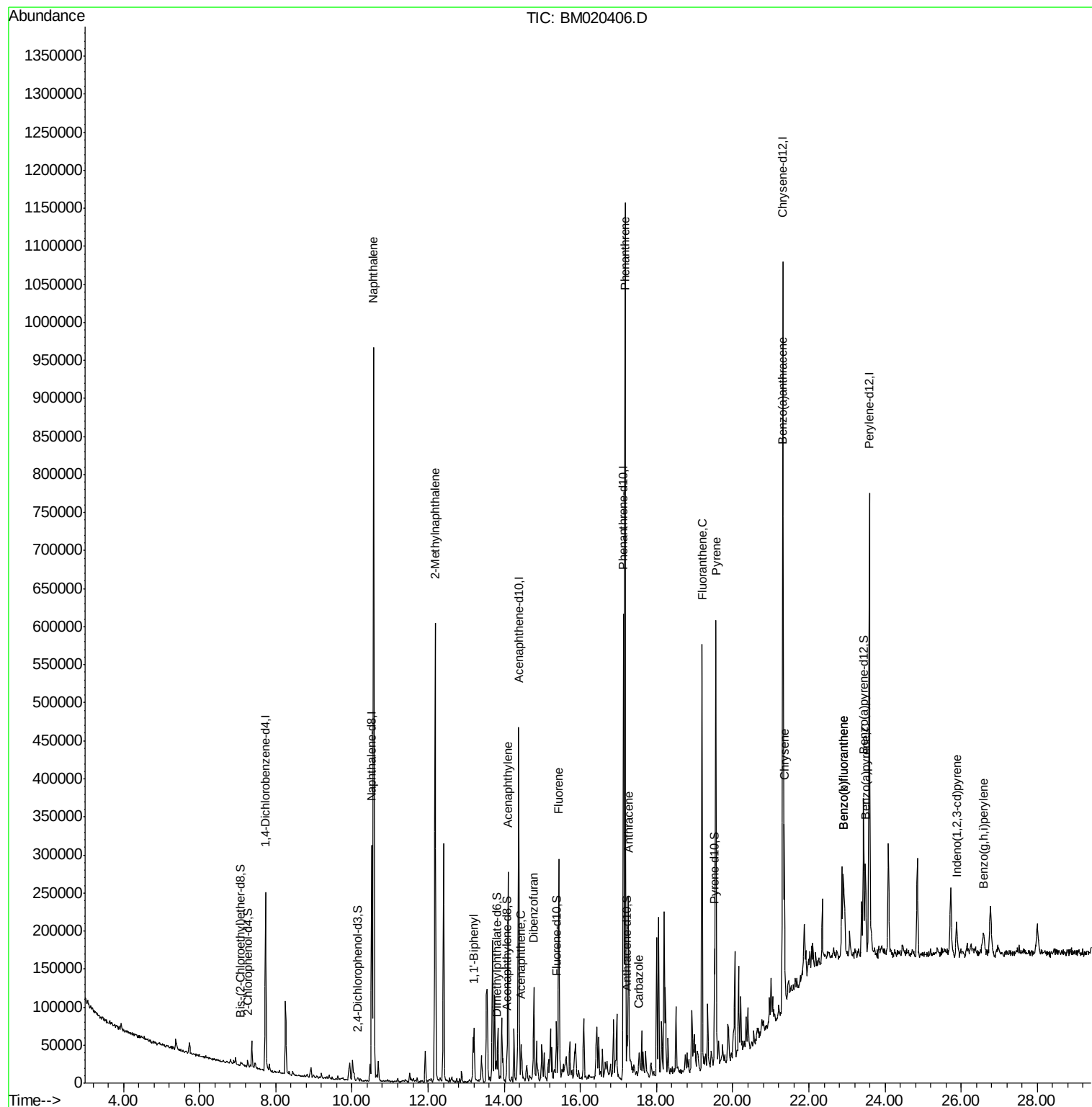
					Ovalue	
28) Naphthalene	10.57	128	718717	65.458	ng/ul	100
34) 2-Methylnaphthalene	12.19	142	266373	33.507	ng/ul	98
40) 1,1'-Biphenyl	13.21	154	39841	3.772	ng/ul	98
47) Acenaphthylene	14.10	152	156962	12.535	ng/ul	97
49) Acenaphthene	14.44	153	18848	2.190	ng/ul	90
53) Dibenzofuran	14.78	168	59505	4.565	ng/ul	98
58) Fluorene	15.43	166	129267	12.379	ng/ul	98
69) Phenanthrene	17.17	178	690329	38.801	ng/ul	99
71) Anthracene	17.26	178	160292	8.857	ng/ul	99
74) Carbazole	17.54	167	17184	1.119	ng/ul	98
76) Fluoranthene	19.19	202	325883	14.500	ng/ul	99
79) Pyrene	19.56	202	371402	14.769	ng/ul	99
82) Benzo(a)anthracene	21.30	228	154044	6.109	ng/ul	97
84) Chrysene	21.36	228	130838	5.429	ng/ul	97
87) Benzo(b)fluoranthene	22.90	252	103996	3.888	ng/ul#	93
88) Benzo(k)fluoranthene	22.90	252	103996	3.958	ng/ul#	94
90) Benzo(a)pyrene	23.49	252	96424	3.830	ng/ul	98
91) Indeno(1,2,3-cd)pyrene	25.88	276	44163	1.540	ng/ul#	95
93) Benzo(g,h,i)perylene	26.59	276	37843	1.594	ng/ul	96

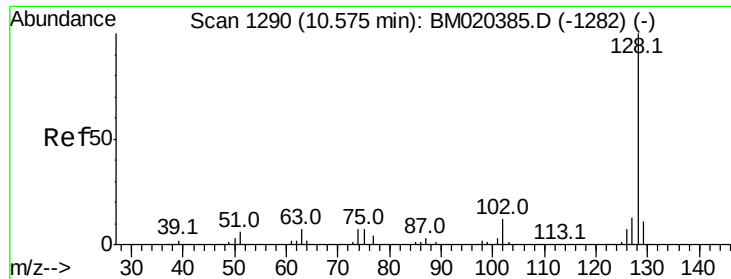
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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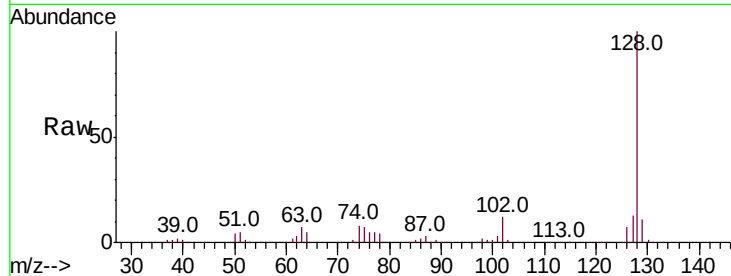




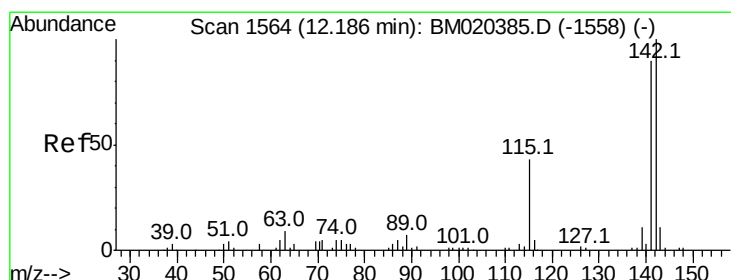
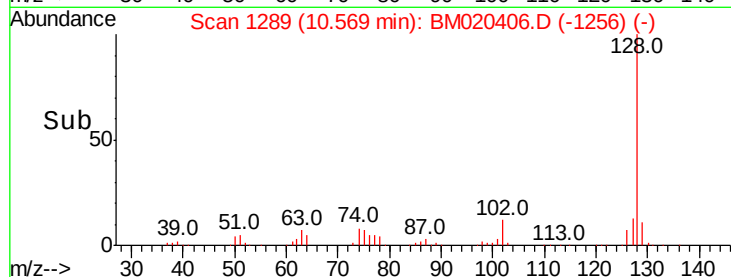
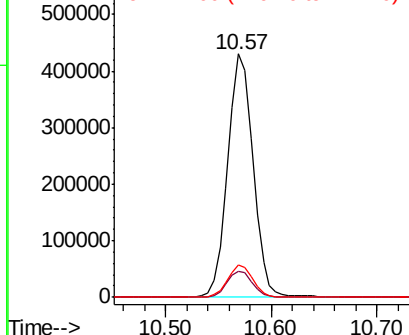
#28
Naphthalene
Concen: 65.458 ng/ul
RT: 10.57 min Scan# 1289
Delta R.T. -0.01 min
Lab File: BM020406.D
Acq: 18 May 2019 19:02

Instrument :
BNA_M
ClientSampled :

Tot Ion:128 Resp: 718717
Ion Ratio Lower Upper
128 100
129 10.8 8.6 13.0
127 13.1 10.6 15.8

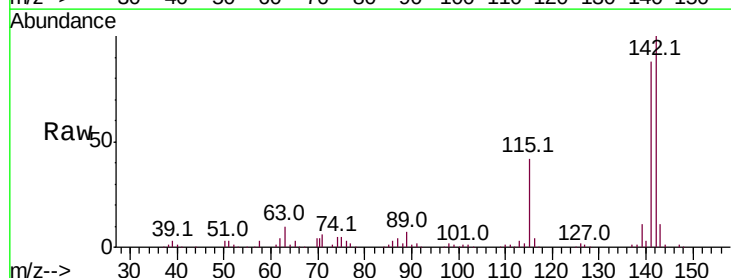


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

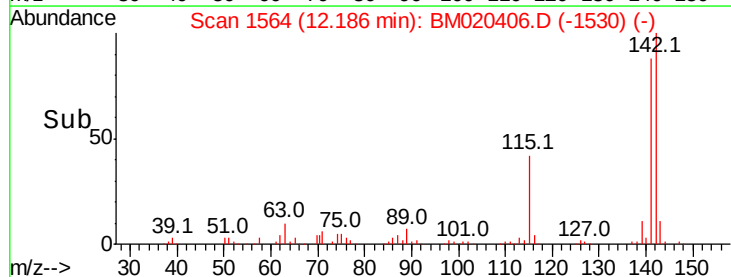
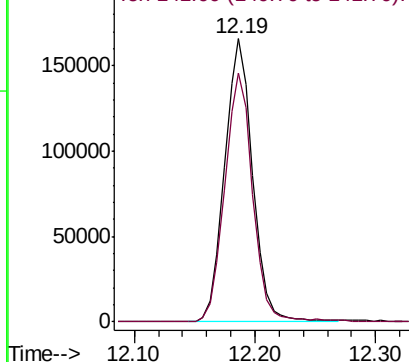


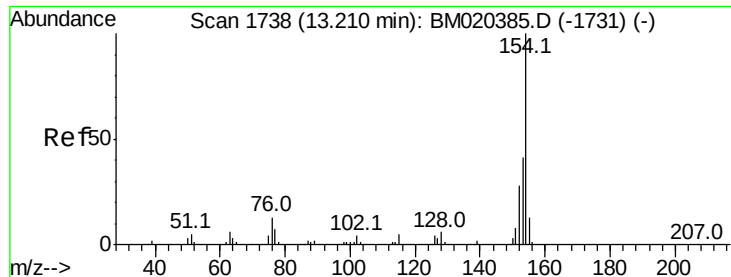
#34
2-Methylnaphthalene
Concen: 33.507 ng/ul
RT: 12.19 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BM020406.D
Acq: 18 May 2019 19:02

Tgt Ion:142 Resp: 266373
Ion Ratio Lower Upper
142 100
141 87.8 68.6 102.8



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

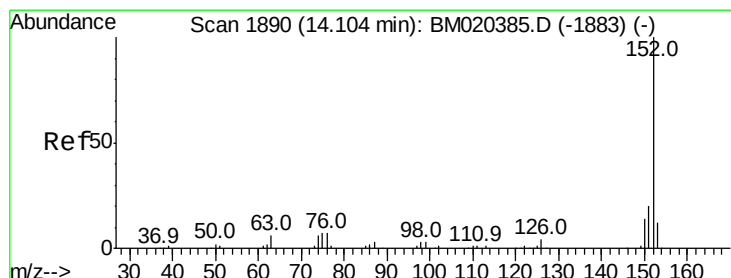
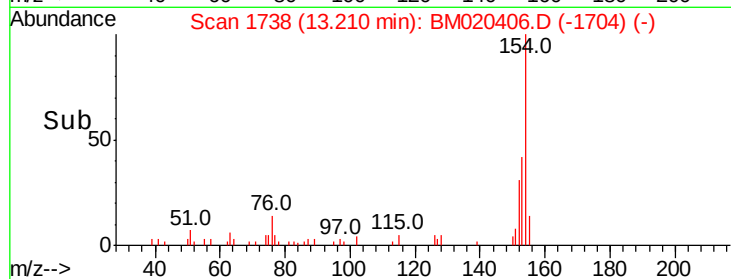
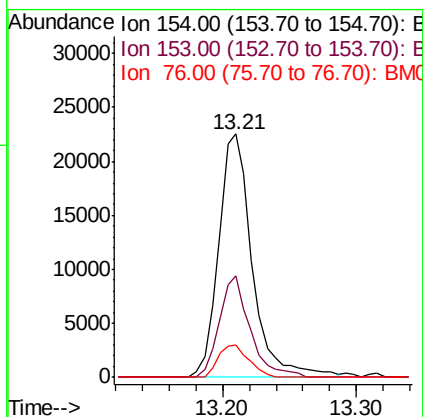
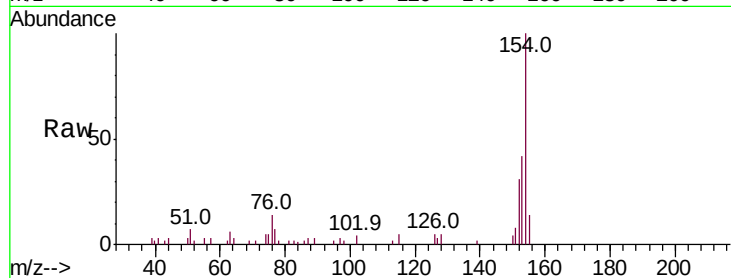




#40
 1,1'-Biphenyl
 Concen: 3.772 ng/ul
 RT: 13.21 min Scan# 1738
 Delta R.T. -0.00 min
 Lab File: BM020406.D
 Acq: 18 May 2019 19:02

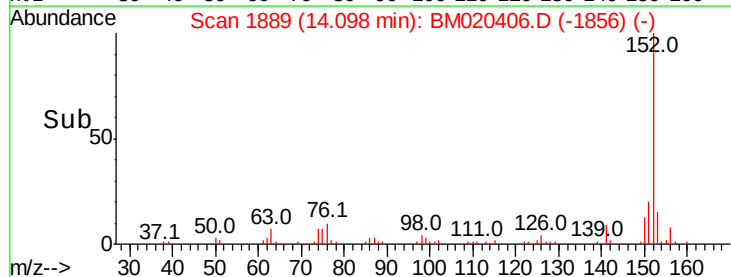
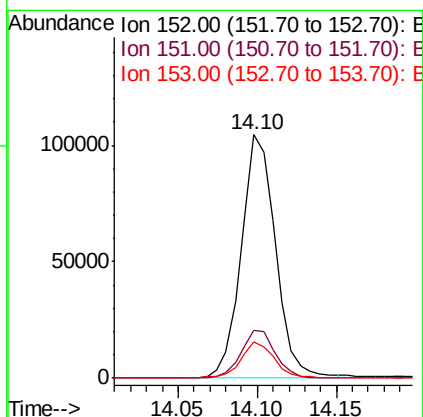
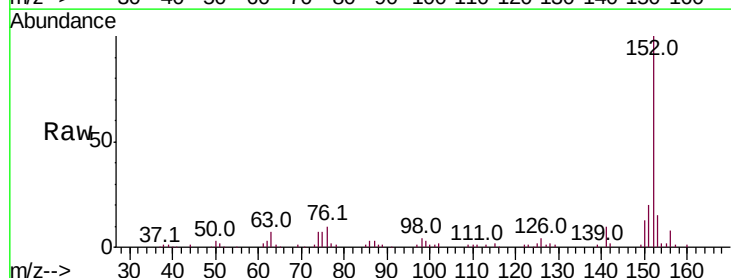
Instrument :
 BNA_M
 ClientSampleId :

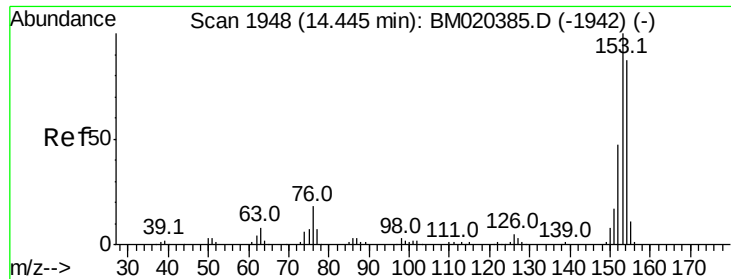
Tot Ion	Ratio	Lower	Upper
154	100		
153	41.8	32.2	48.4
76	13.5	11.0	16.4



#47
 Acenaphthylene
 Concen: 12.535 ng/ul
 RT: 14.10 min Scan# 1889
 Delta R.T. -0.01 min
 Lab File: BM020406.D
 Acq: 18 May 2019 19:02

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.4	23.0
153	14.9	10.3	15.5





#49

Acenaphthene

Concen: 2.190 ng/ul

RT: 14.44 min Scan# 1948

Delta R.T. -0.00 min

Lab File: BM020406.D

Acq: 18 May 2019 19:02

Instrument :

BNA_M

ClientSampled :

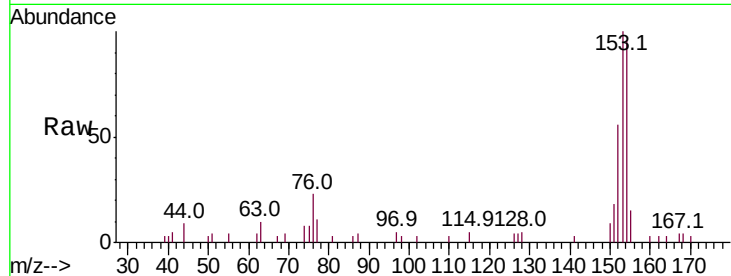
Tot Ion:153 Resp: 18848

Ion Ratio Lower Upper

153 100

152 56.4 37.9 56.9

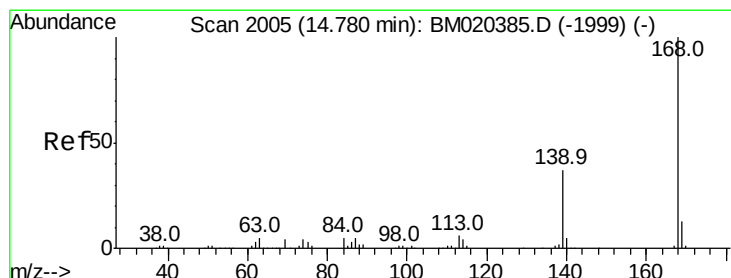
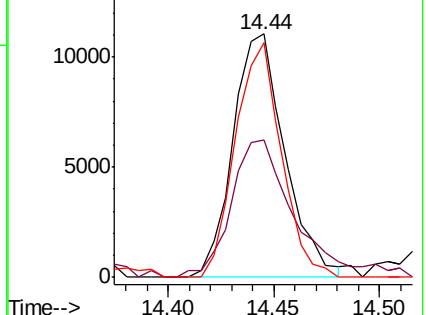
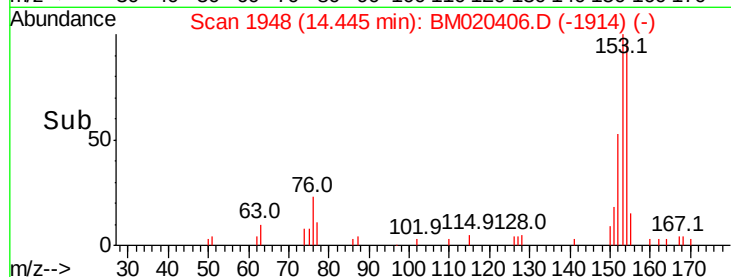
154 96.1 71.2 106.8



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

Dibenzofuran

Concen: 4.565 ng/ul

RT: 14.78 min Scan# 2005

Delta R.T. -0.00 min

Lab File: BM020406.D

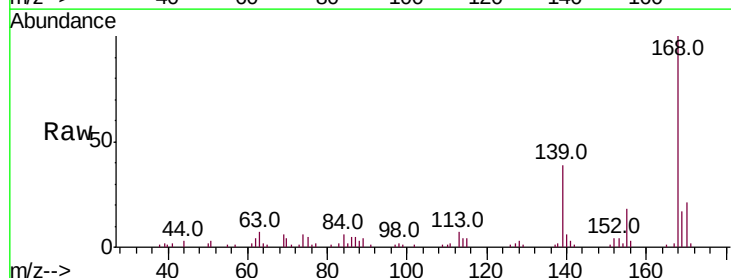
Acq: 18 May 2019 19:02

Tgt Ion:168 Resp: 59505

Ion Ratio Lower Upper

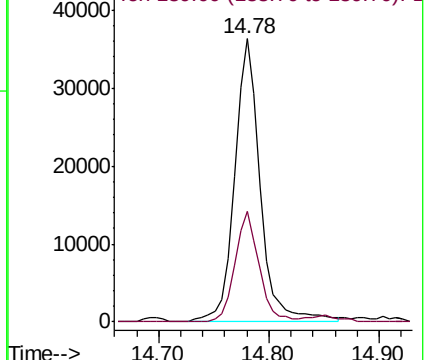
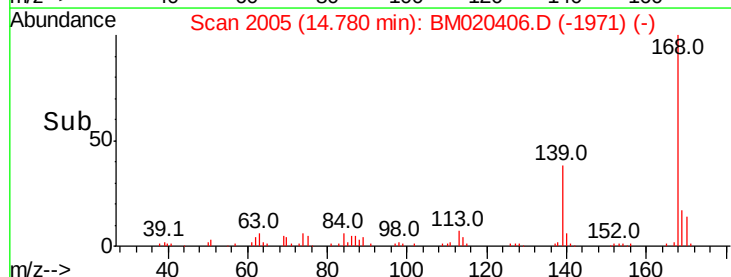
168 100

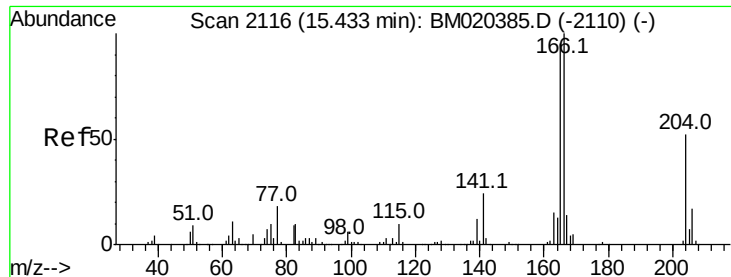
139 39.1 30.1 45.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 12.379 ng/ul

RT: 15.43 min Scan# 2115

Delta R.T. -0.01 min

Lab File: BM020406.D

Acq: 18 May 2019 19:02

Instrument :

BNA_M

ClientSampleId :

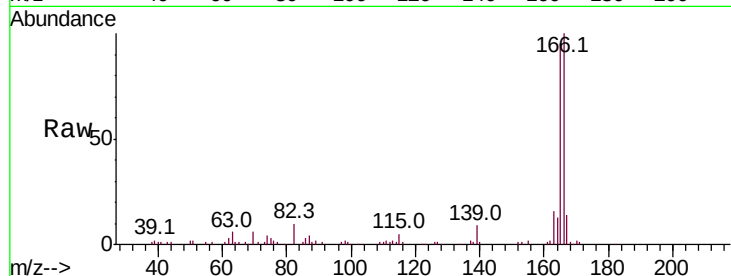
Tot Ion:166 Resp: 129267

Ion Ratio Lower Upper

166 100

165 94.7 77.1 115.7

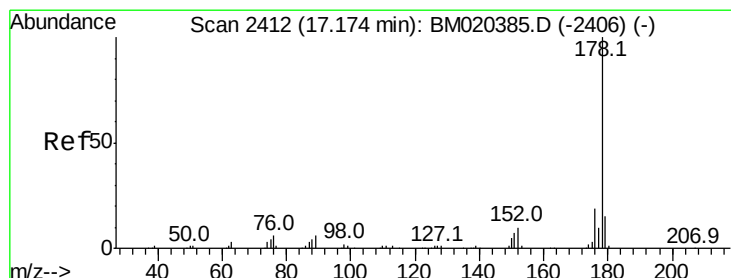
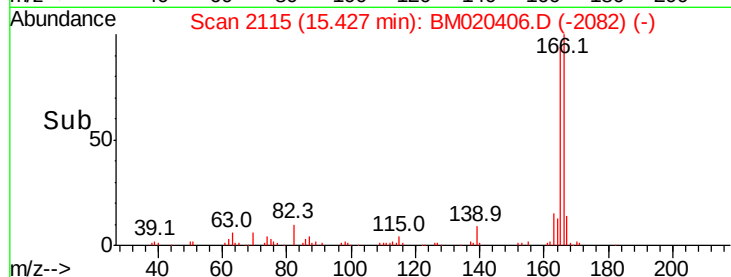
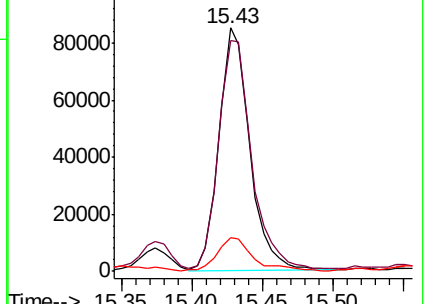
167 13.7 11.1 16.7



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: 38.801 ng/ul

RT: 17.17 min Scan# 2412

Delta R.T. -0.00 min

Lab File: BM020406.D

Acq: 18 May 2019 19:02

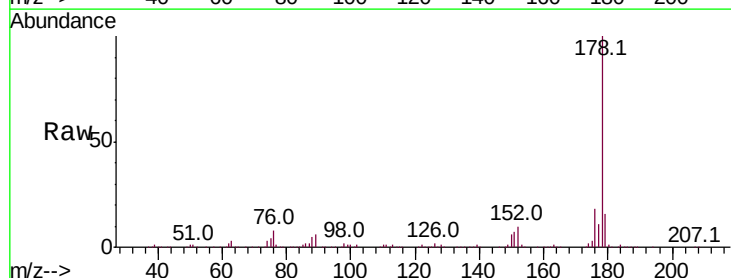
Tgt Ion:178 Resp: 690329

Ion Ratio Lower Upper

178 100

179 15.6 11.9 17.9

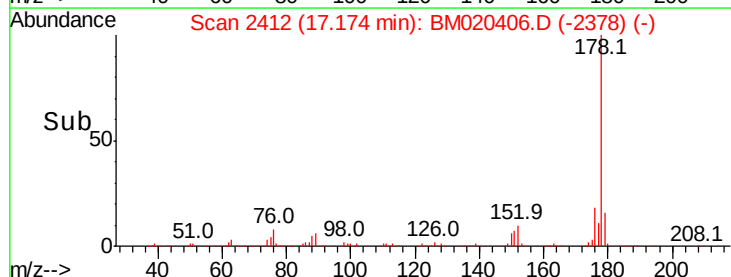
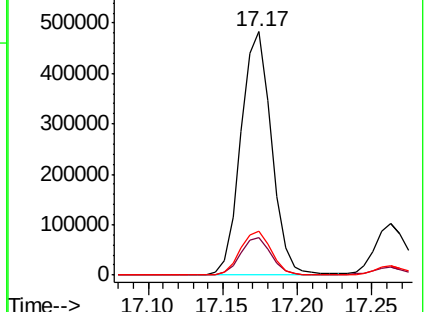
176 18.2 14.6 22.0

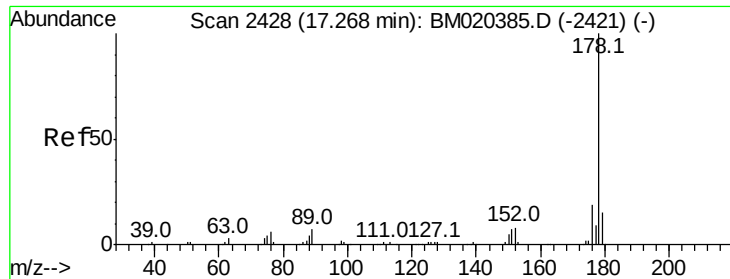


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 8.857 ng/ul

RT: 17.26 min Scan# 2427

Delta R.T. -0.01 min

Lab File: BM020406.D

Acq: 18 May 2019 19:02

Instrument :

BNA_M

ClientSampleId :

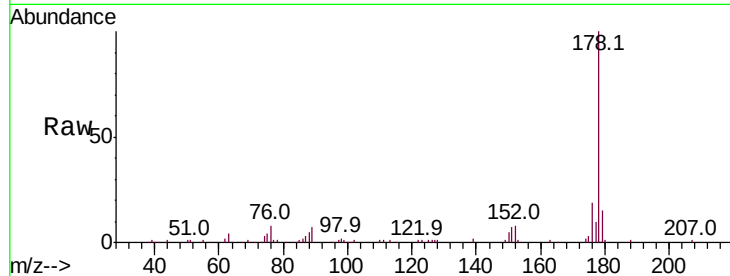
Tot Ion:178 Resp: 160292

Ion Ratio Lower Upper

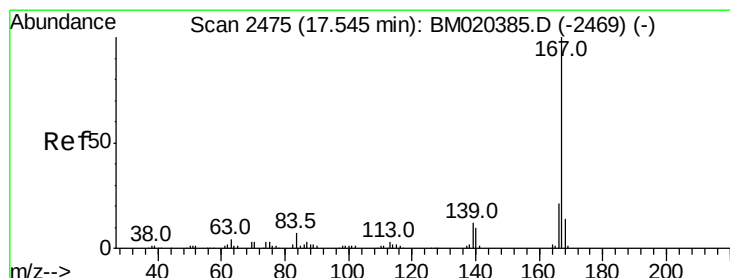
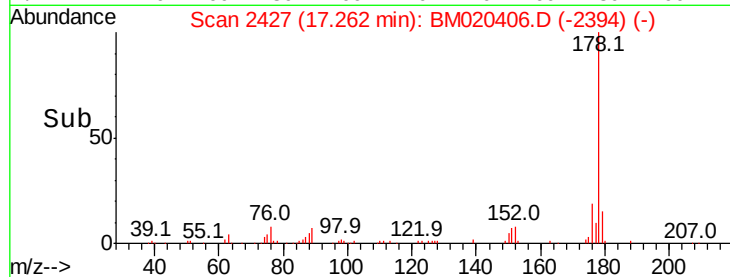
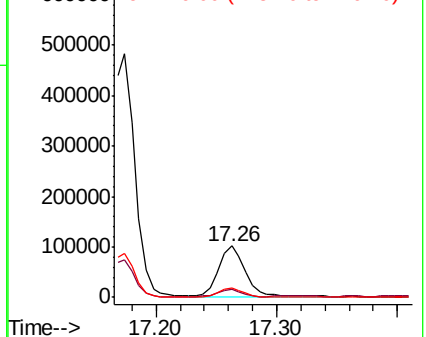
178 100

179 15.2 12.4 18.6

176 18.8 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



#74

Carbazole

Concen: 1.119 ng/ul

RT: 17.54 min Scan# 2475

Delta R.T. -0.00 min

Lab File: BM020406.D

Acq: 18 May 2019 19:02

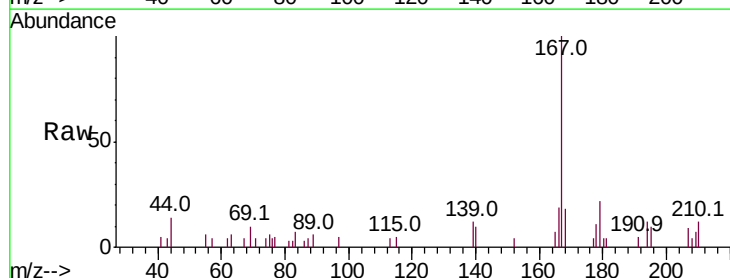
Tgt Ion:167 Resp: 17184

Ion Ratio Lower Upper

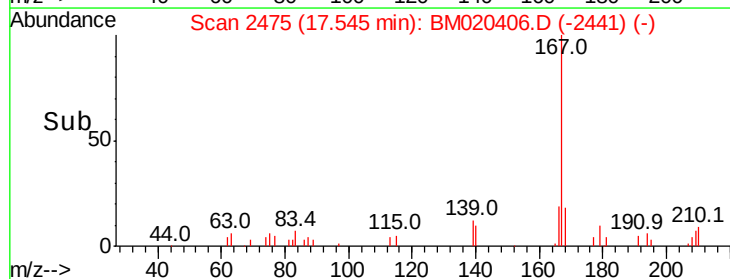
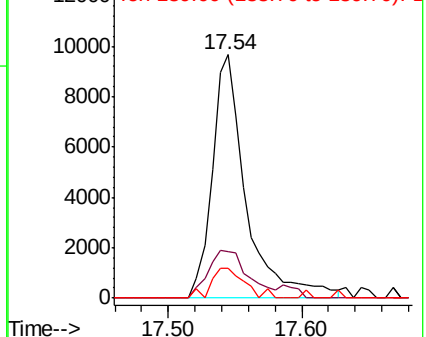
167 100

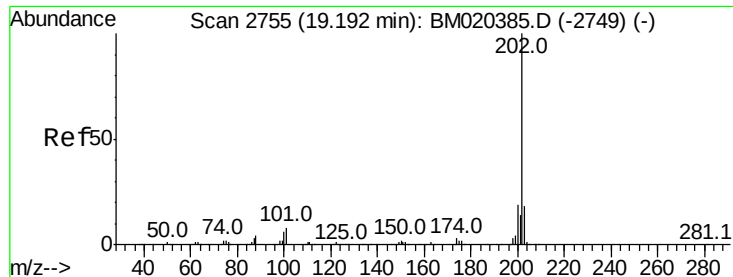
166 19.2 16.6 24.8

139 12.2 9.8 14.8



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E





#76

Fluoranthene

Concen: 14.500 ng/ul

RT: 19.19 min Scan# 2755

Delta R.T. -0.00 min

Lab File: BM020406.D

Acq: 18 May 2019 19:02

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ClientSampleId :

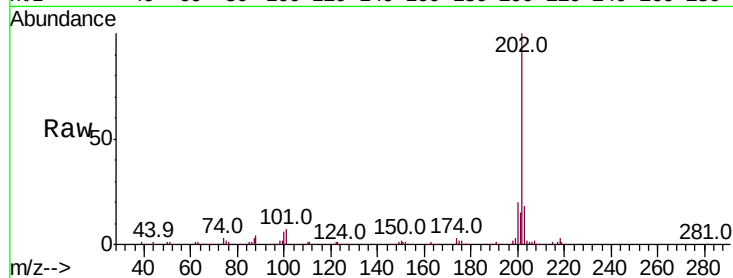
Tot Ion:202 Resp: 325883

Ion Ratio Lower Upper

202 100

101 7.4 6.4 9.6

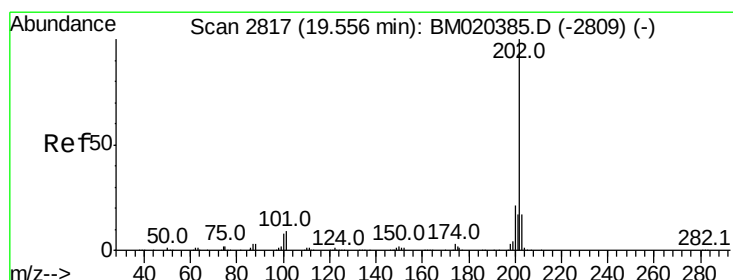
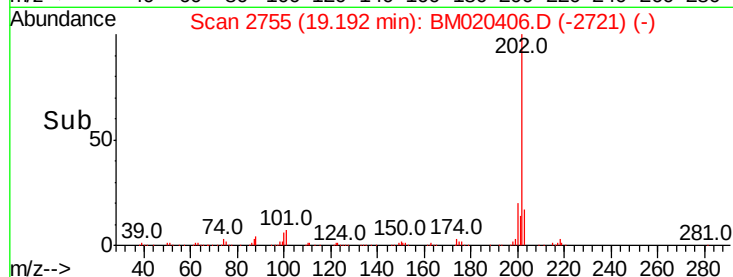
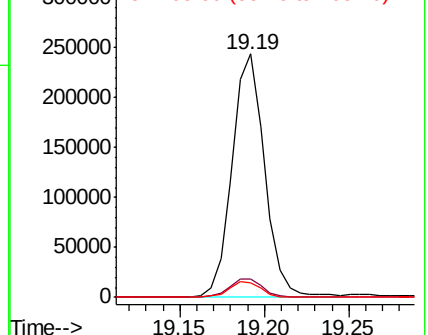
100 6.2 5.2 7.8



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: 14.769 ng/ul

RT: 19.56 min Scan# 2817

Delta R.T. -0.00 min

Lab File: BM020406.D

Acq: 18 May 2019 19:02

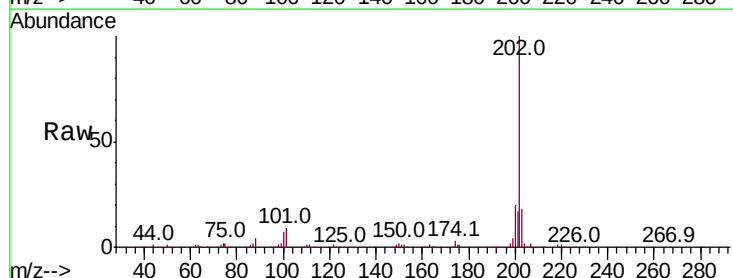
Tgt Ion:202 Resp: 371402

Ion Ratio Lower Upper

202 100

101 8.5 7.1 10.7

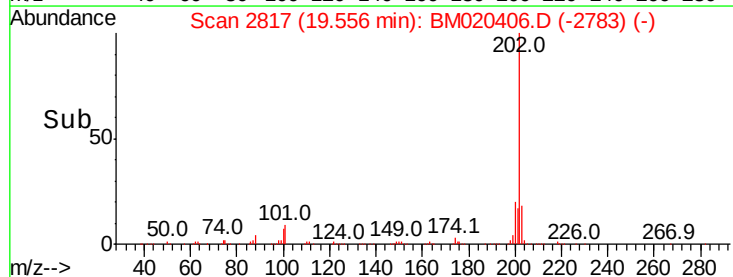
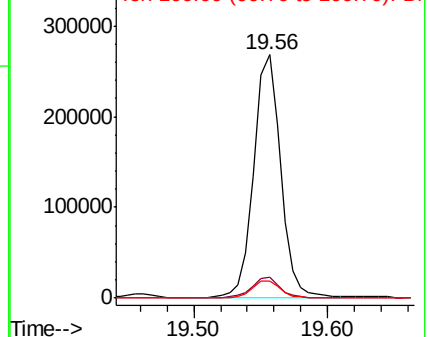
100 7.1 5.9 8.9

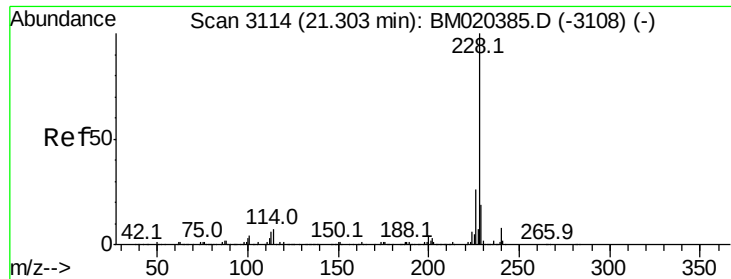


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

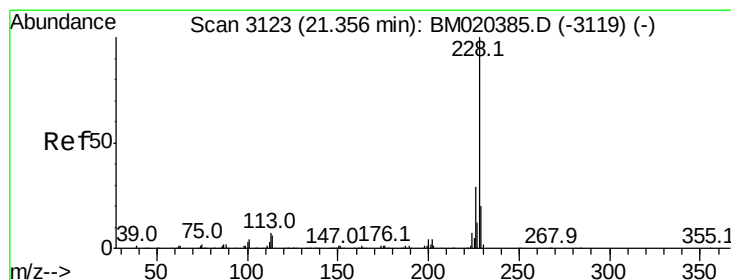
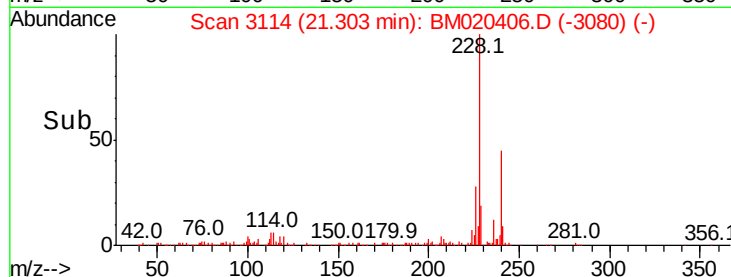
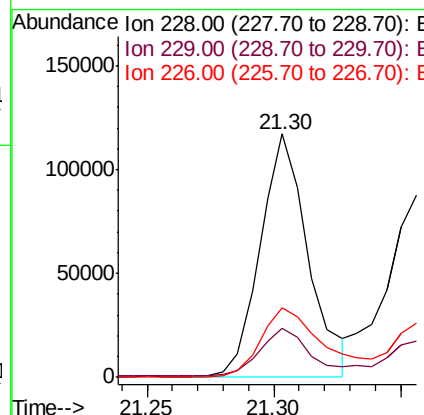
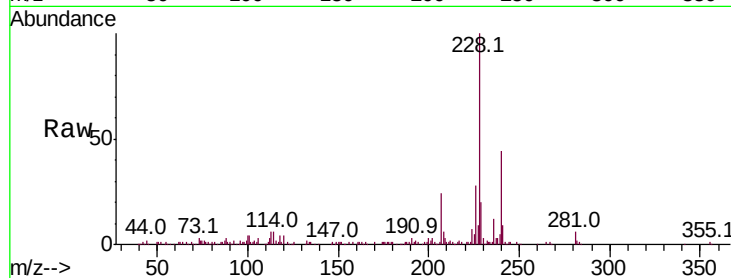




#82
Benzo(a)anthracene
Concen: 6.109 ng/ul
RT: 21.30 min Scan# 3114
Delta R.T. -0.00 min
Lab File: BM020406.D
Acq: 18 May 2019 19:02

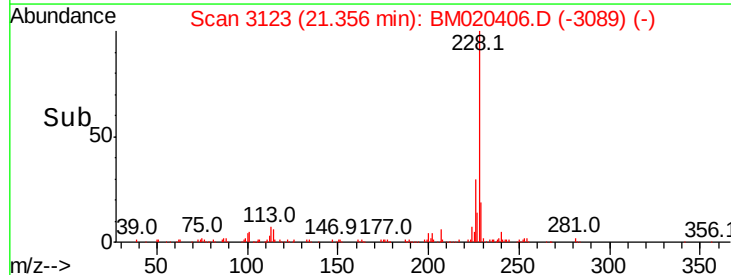
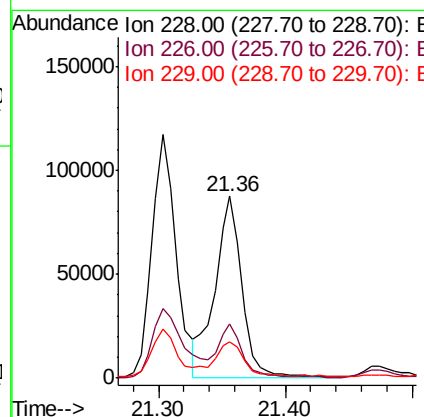
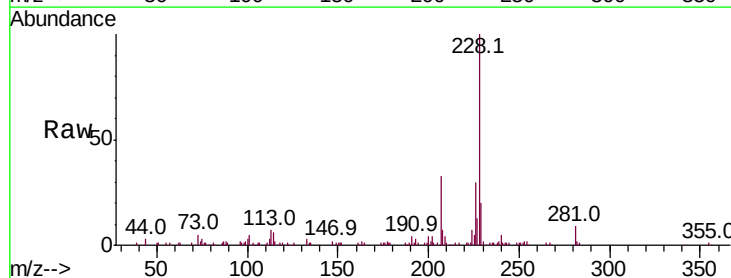
Instrument :
BNA_M
ClientSampleId :

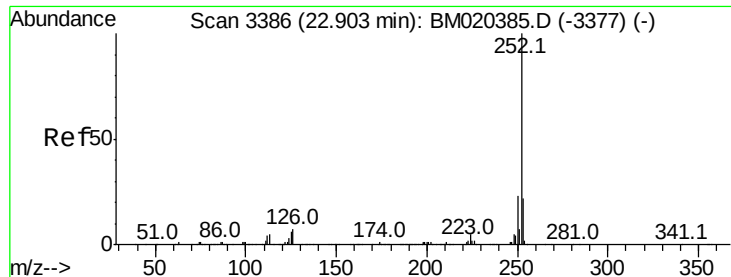
Tot Ion:228 Resp: 154044
Ion Ratio Lower Upper
228 100
229 20.3 15.8 23.8
226 28.4 20.6 30.8



#84
Chrysene
Concen: 5.429 ng/ul
RT: 21.36 min Scan# 3123
Delta R.T. -0.00 min
Lab File: BM020406.D
Acq: 18 May 2019 19:02

Tgt Ion:228 Resp: 130838
Ion Ratio Lower Upper
228 100
226 29.8 22.2 33.4
229 20.0 15.4 23.2





#87

Benzo(b)fluoranthene

Concen: 3.888 ng/ul

RT: 22.90 min Scan# 3386

Delta R.T. -0.00 min

Lab File: BM020406.D

Acq: 18 May 2019 19:02

Instrument :

BNA_M

ClientSampled :

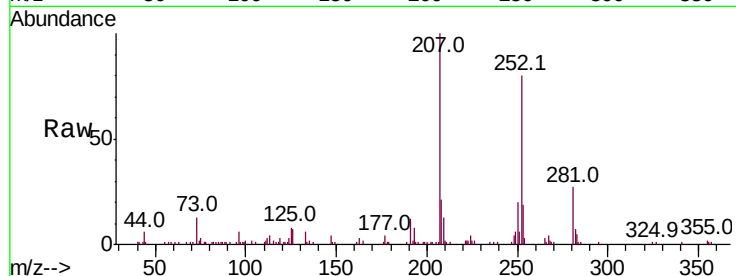
Tot Ion:252 Resp: 103996

Ion Ratio Lower Upper

252 100

253 24.4 17.0 25.6

125 9.6 5.0 7.4#

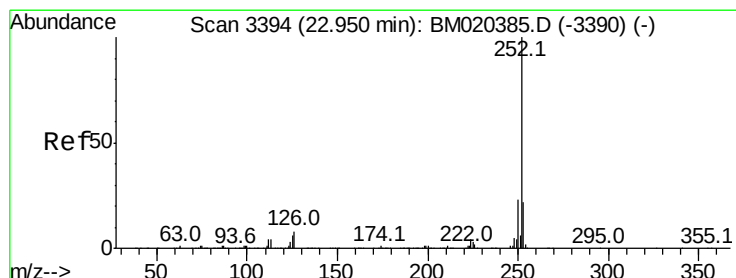
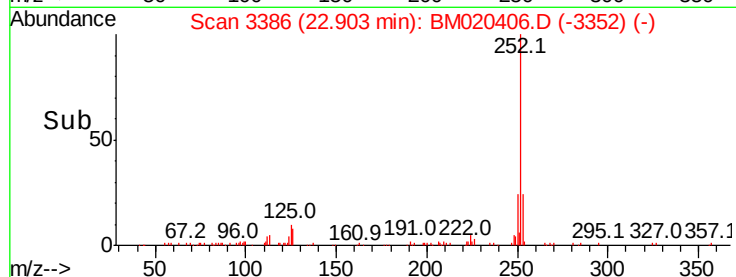
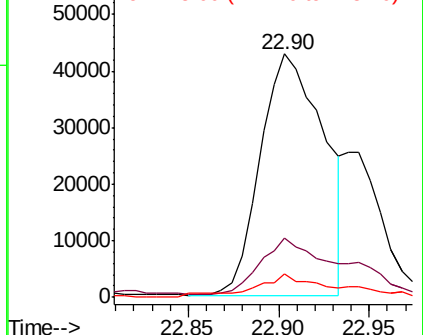


Abundance

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: 3.958 ng/ul

RT: 22.90 min Scan# 3386

Delta R.T. -0.05 min

Lab File: BM020406.D

Acq: 18 May 2019 19:02

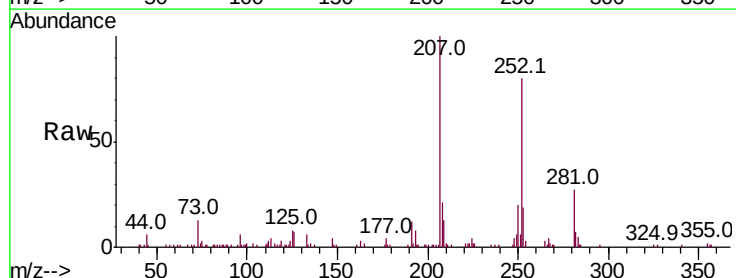
Tgt Ion:252 Resp: 103996

Ion Ratio Lower Upper

252 100

253 24.4 17.6 26.4

125 9.6 5.0 7.6#

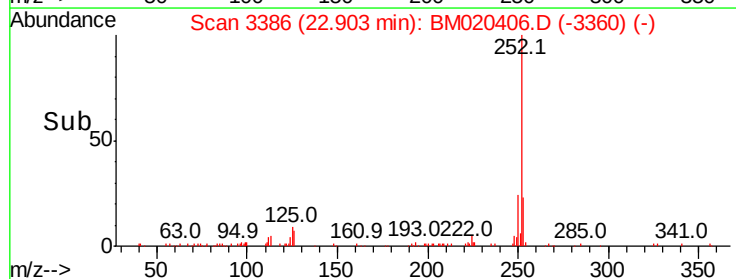
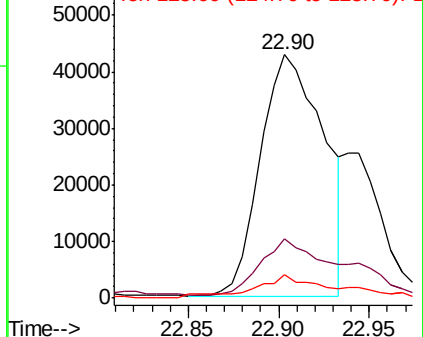


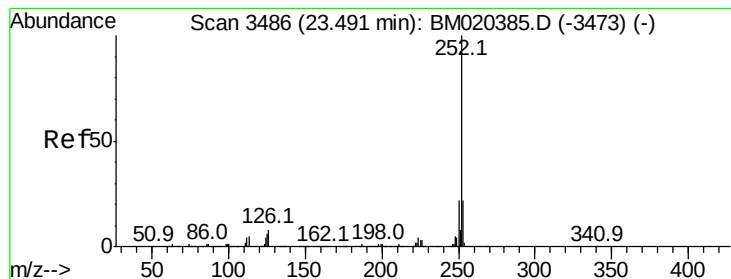
Abundance

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: 3.830 ng/ul

RT: 23.49 min Scan# 3485

Delta R.T. -0.01 min

Lab File: BM020406.D

Acq: 18 May 2019 19:02

Instrument :

BNA_M

ClientSampleId :

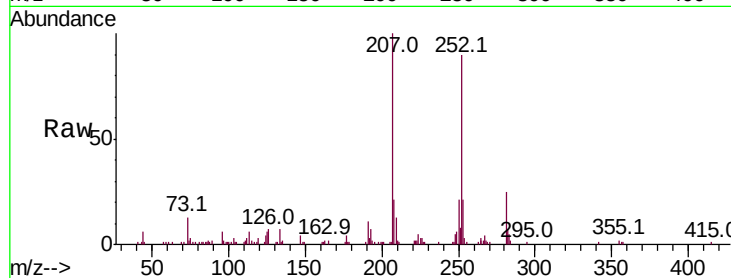
Tot Ion:252 Resp: 96424

Ion Ratio Lower Upper

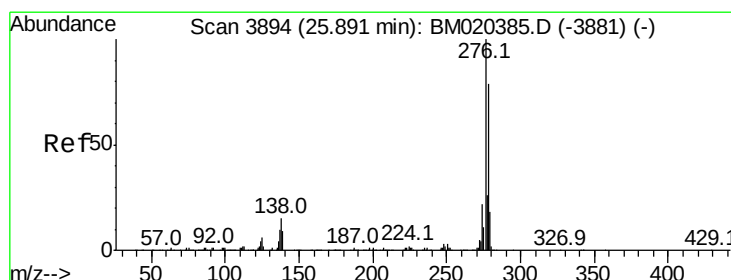
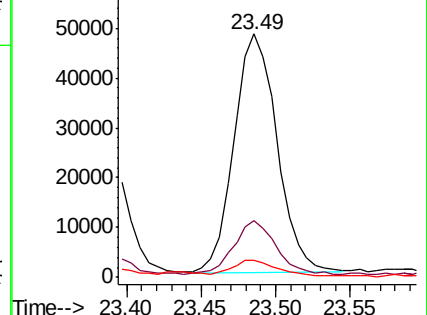
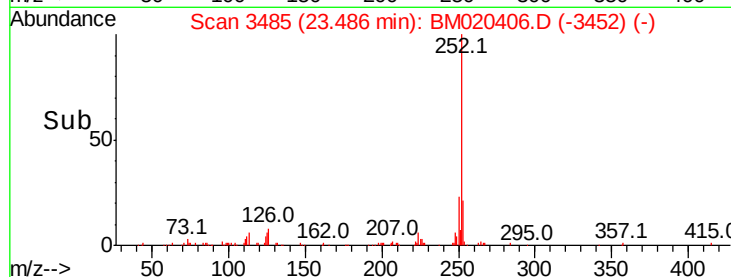
252 100

253 23.3 17.4 26.2

125 6.9 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: 1.540 ng/ul

RT: 25.88 min Scan# 3892

Delta R.T. -0.01 min

Lab File: BM020406.D

Acq: 18 May 2019 19:02

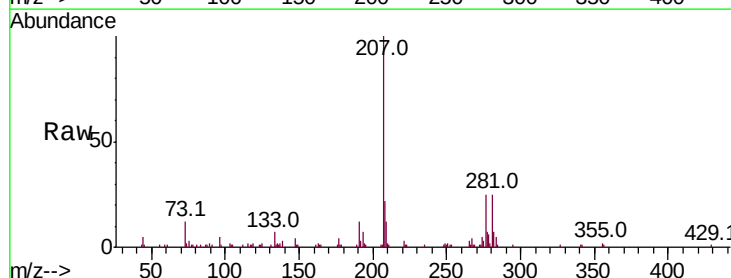
Tgt Ion:276 Resp: 44163

Ion Ratio Lower Upper

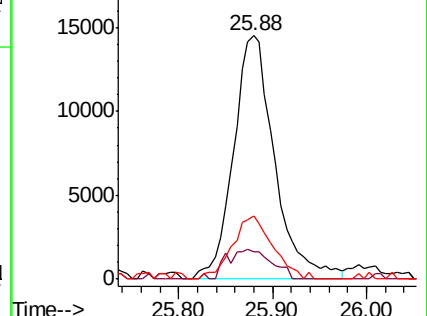
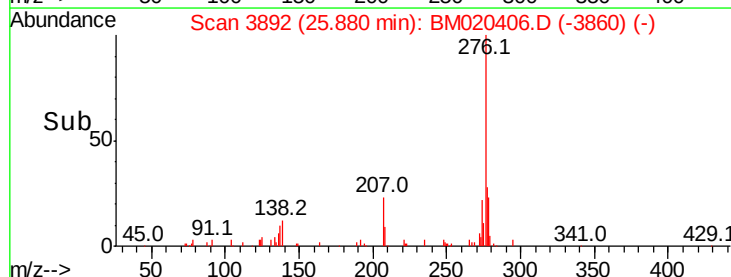
276 100

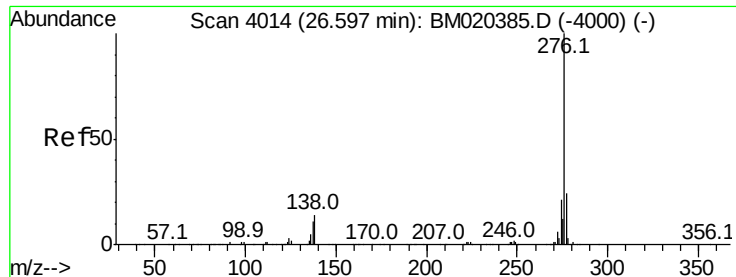
138 11.1 12.3 18.5#

277 26.1 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





#93

Benzo(a,h,i)perylene

Concen: 1.594 ng/ul

RT: 26.59 min Scan# 4013

Delta R.T. -0.01 min

Lab File: BM020406.D

Acq: 18 May 2019 19:02

Instrument :

BNA_M

ClientSampleId :

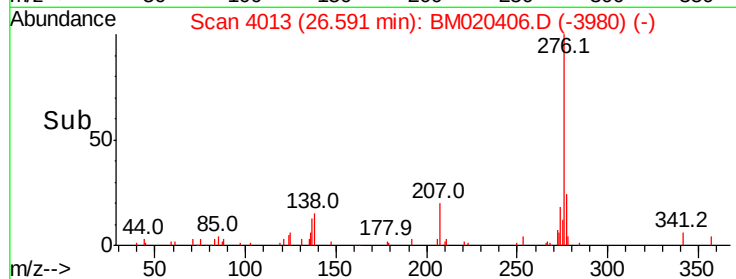
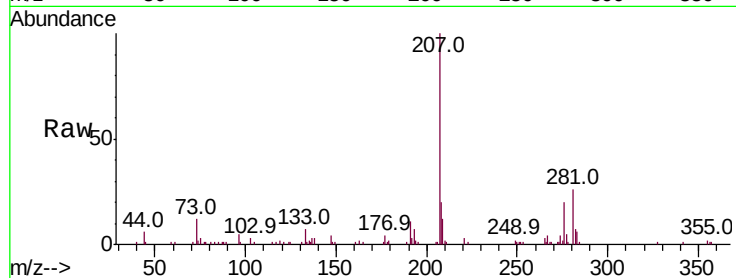
Tot Ion: 276 Resp: 37843

Ion Ratio Lower Upper

276 100

138 14.6 10.0 15.0

277 24.1 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

