

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
 Data File : BM020403.D
 Acq On : 18 May 2019 16:01
 Operator : JU/SJ
 Sample : K2604-04MEDL 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: May 20 07:12:52 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	67370	20.00	ng/ul	0.00
18) Naphthalene-d8	10.52	136	246047	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.38	164	149292	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.13	188	369435	20.00	ng/ul	0.00
77) Chrysene-d12	21.33	240	402748	20.00	ng/ul	0.00
85) Perylene-d12	23.60	264	458781	20.00	ng/ul	0.00

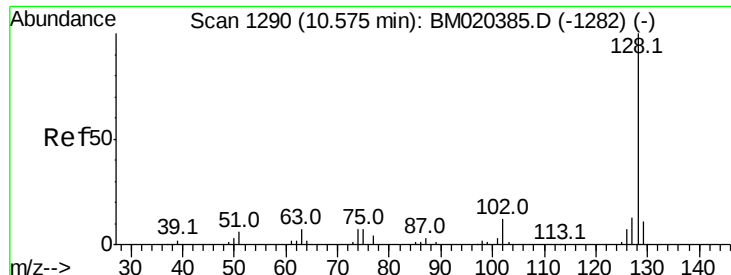
System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	2100	1.15	ng/uL	0.00
5) Phenol-d5	6.90	99	23439	4.36	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.07	67	15672	4.59	ng/ul	0.00
9) 2-Chlorophenol-d4	7.26	132	19465	4.94	ng/ul	0.00
13) 4-Methylphenol-d8	8.44	113	15029	3.84	ng/ul	0.00
19) Nitrobenzene-d5	8.90	128	7458	4.66	ng/ul	0.00
22) 2-Nitrophenol-d4	9.62	143	7088	4.01	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.15	165	16488	4.42	ng/ul	0.00
29) 4-Chloroaniline-d4	10.69	131	10935	2.84	ng/ul	0.02
43) Dimethylphthalate-d6	13.79	166	65090	6.06	ng/ul	0.00
46) Acenaphthylene-d8	14.07	160	79984	5.95	ng/ul	0.00
51) 4-Nitrophenol-d4	14.60	143	499	0.32	ng/ul	0.00
57) Fluorene-d10	15.37	176	61795	6.47	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.50	200	3415	1.62	ng/ul	0.00
70) Anthracene-d10	17.23	188	90717	5.73	ng/ul	0.00
78) Pyrene-d10	19.53	212	116582	6.01	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.45	264	121963	5.85	ng/ul	0.00

Target Compounds

					Ovalue
28) Naphthalene	10.57	128	56323	4.982	ng/ul 98
30) 4-Chloroaniline	10.57	127	7328	1.858	ng/ul# 1
34) 2-Methylnaphthalene	12.19	142	222876	27.230	ng/ul 99
47) Acenaphthylene	14.10	152	169391	13.370	ng/ul 98
49) Acenaphthene	14.44	153	20209	2.320	ng/ul 97
53) Dibenzofuran	14.78	168	40598	3.078	ng/ul 99
58) Fluorene	15.43	166	115119	10.895	ng/ul 100
69) Phenanthrene	17.17	178	626288	35.579	ng/ul 99
71) Anthracene	17.26	178	122739	6.855	ng/ul 98
76) Fluoranthene	19.19	202	426881	19.198	ng/ul 99
79) Pyrene	19.56	202	631258	26.113	ng/ul 98
82) Benzo(a)anthracene	21.31	228	234878	9.689	ng/ul 96
84) Chrysene	21.36	228	228695	9.872	ng/ul 98
87) Benzo(b)fluoranthene	22.91	252	242728	9.270	ng/ul 97
88) Benzo(k)fluoranthene	22.91	252	242728	9.438	ng/ul 98
90) Benzo(a)pyrene	23.49	252	211684	8.591	ng/ul 99
91) Indeno(1,2,3-cd)pyrene	25.89	276	111960	3.987	ng/ul# 95
92) Dibenzo(a,h)anthracene	25.90	278	32908	1.371	ng/ul# 91
93) Benzo(g,h,i)perylene	26.60	276	97801	4.208	ng/ul 97

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



#28

Naphthalene

Concen: 4.982 ng/ul

RT: 10.57 min Scan# 1289

Delta R.T. -0.01 min

Lab File: BM020403.D

Acq: 18 May 2019 16:01

Instrument :

BNA_M

ClientSampleId :

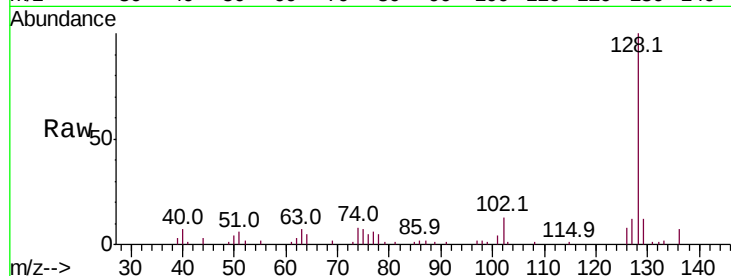
Tot Ion:128 Resp: 56323

Ion Ratio Lower Upper

128 100

129 11.9 8.6 13.0

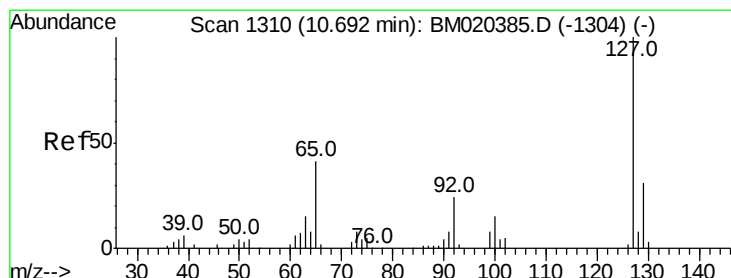
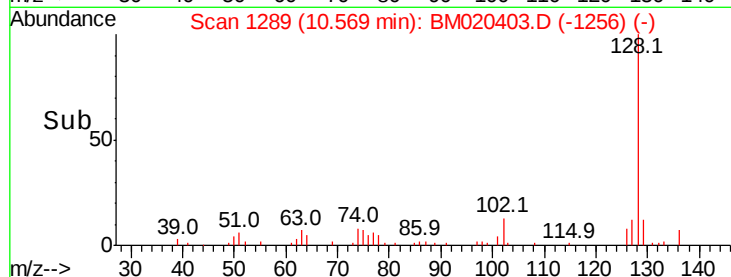
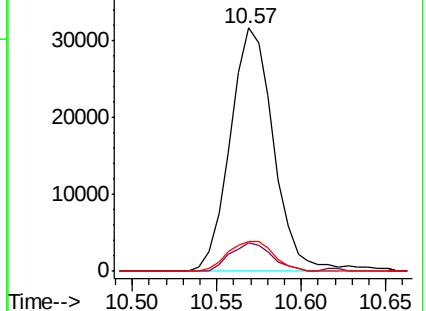
127 12.4 10.6 15.8



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: 1.858 ng/ul

RT: 10.57 min Scan# 1289

Delta R.T. -0.12 min

Lab File: BM020403.D

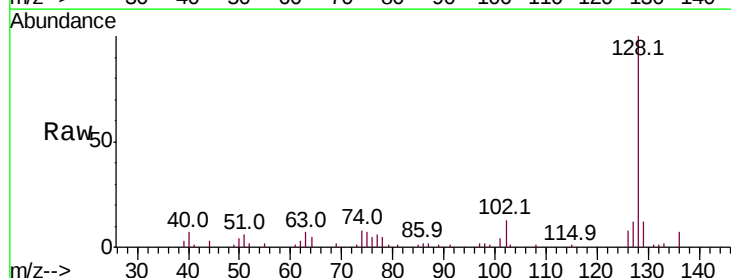
Acq: 18 May 2019 16:01

Tgt Ion:127 Resp: 7328

Ion Ratio Lower Upper

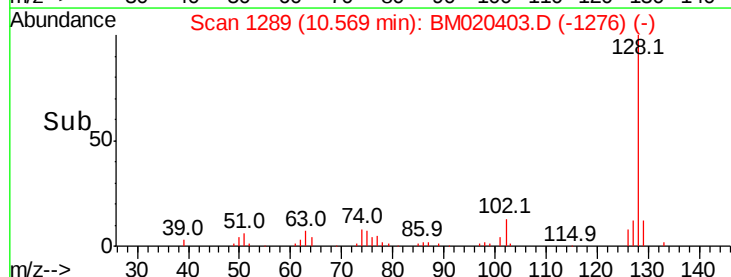
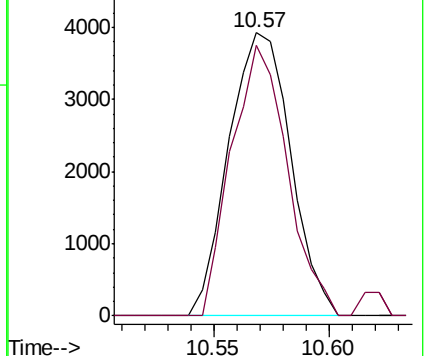
127 100

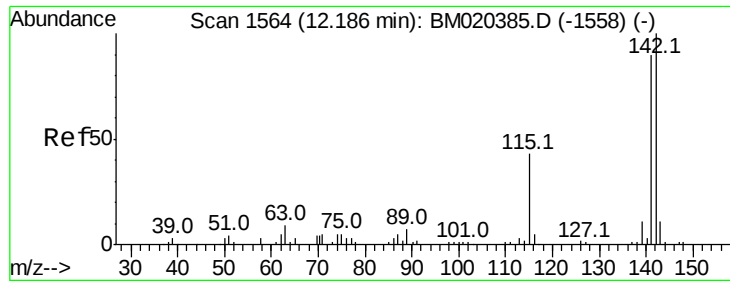
129 95.7 26.5 39.7#



Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

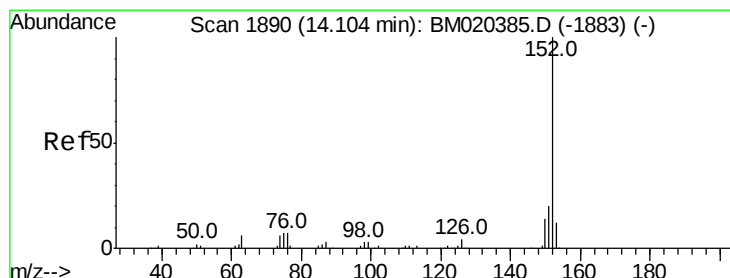
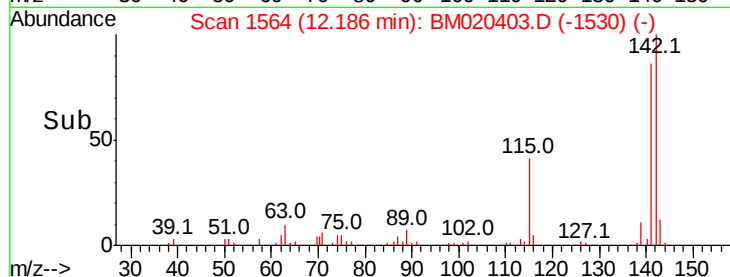
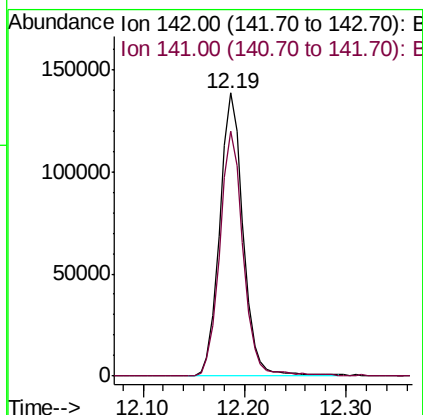
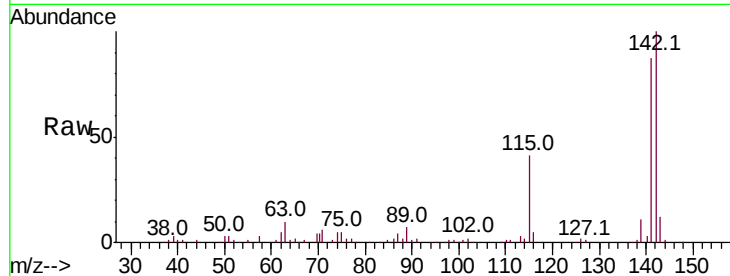




#34
 2-Methylnaphthalene
 Concen: 27.230 ng/ul
 RT: 12.19 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: BM020403.D
 Acq: 18 May 2019 16:01

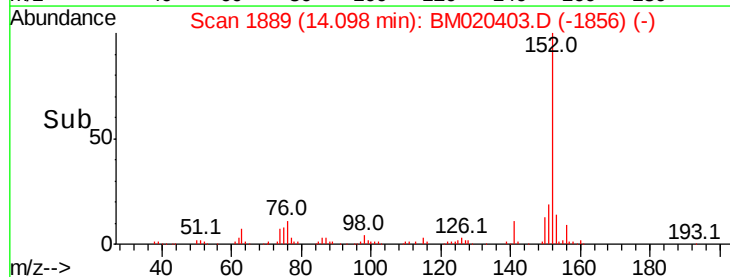
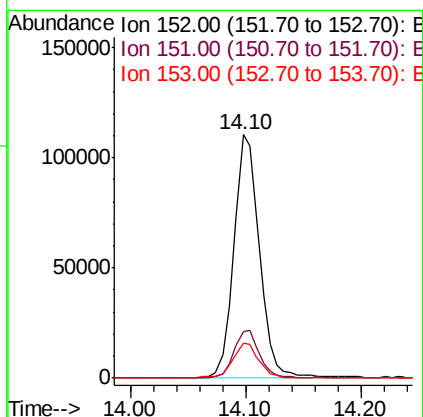
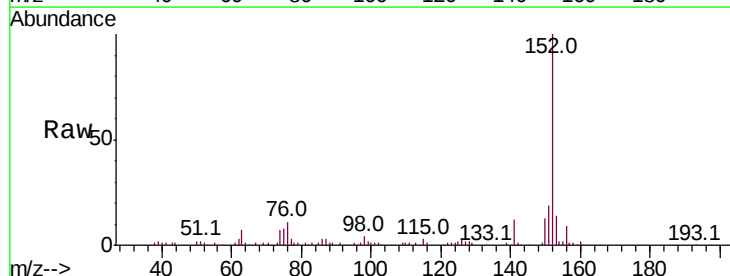
Instrument :
 BNA_M
 ClientSampleId :

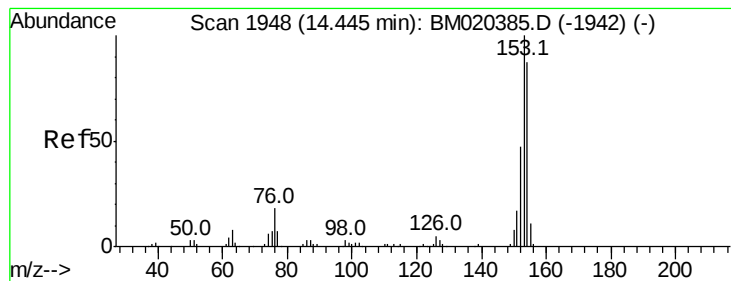
Tot Ion:142 Resp: 222876
 Ion Ratio Lower Upper
 142 100
 141 86.6 68.6 102.8



#47
 Acenaphthylene
 Concen: 13.370 ng/ul
 RT: 14.10 min Scan# 1889
 Delta R.T. -0.01 min
 Lab File: BM020403.D
 Acq: 18 May 2019 16:01

Tgt Ion:152 Resp: 169391
 Ion Ratio Lower Upper
 152 100
 151 19.4 15.4 23.0
 153 14.5 10.3 15.5





#49

Acenaphthene

Concen: 2.320 ng/ul

RT: 14.44 min Scan# 1948

Delta R.T. -0.00 min

Lab File: BM020403.D

Acq: 18 May 2019 16:01

Instrument :

BNA_M

ClientSampleId :

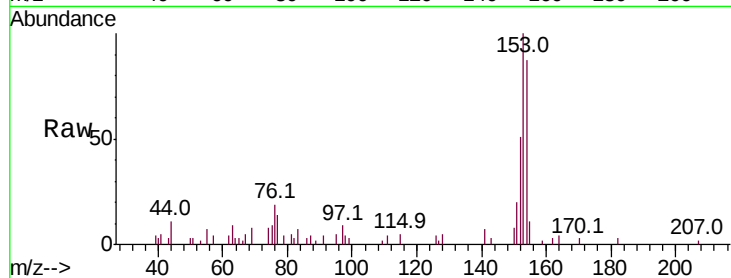
Tot Ion:153 Resp: 20209

Ion Ratio Lower Upper

153 100

152 51.1 37.9 56.9

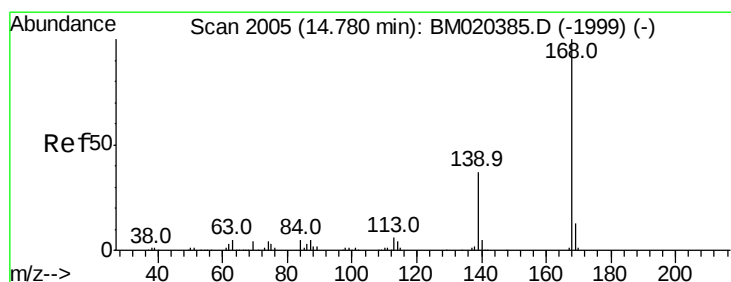
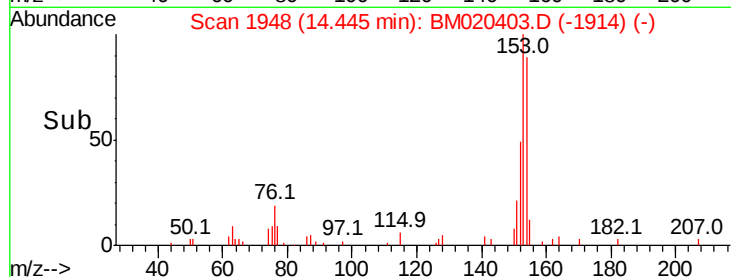
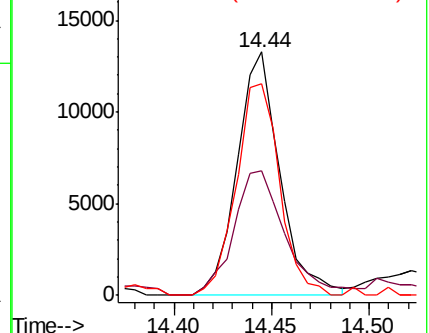
154 87.1 71.2 106.8



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: 3.078 ng/ul

RT: 14.78 min Scan# 2005

Delta R.T. -0.00 min

Lab File: BM020403.D

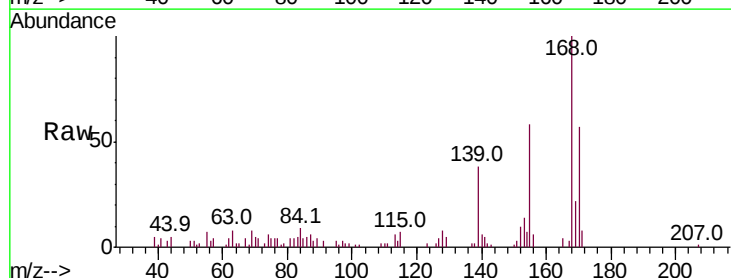
Acq: 18 May 2019 16:01

Tgt Ion:168 Resp: 40598

Ion Ratio Lower Upper

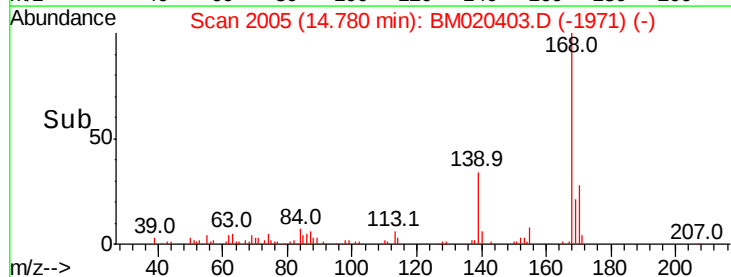
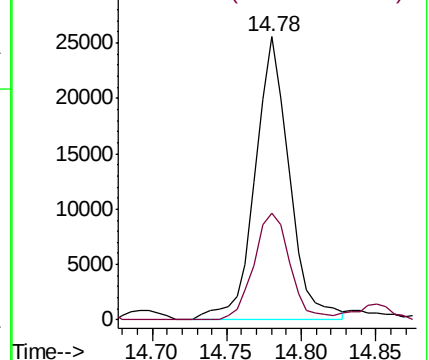
168 100

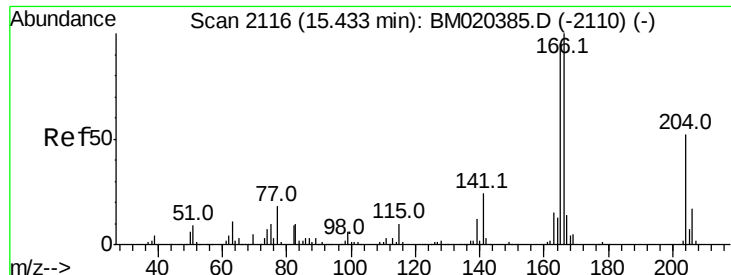
139 37.9 30.1 45.1



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 10.895 ng/ul

RT: 15.43 min Scan# 2115

Delta R.T. -0.01 min

Lab File: BM020403.D

Acq: 18 May 2019 16:01

Instrument :

BNA_M

ClientSampled :

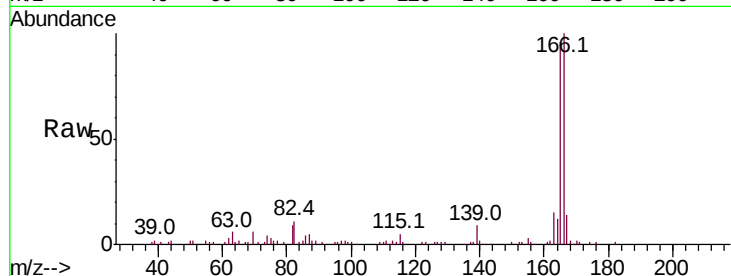
Tot Ion:166 Resp: 115119

Ion Ratio Lower Upper

166 100

165 96.5 77.1 115.7

167 14.3 11.1 16.7

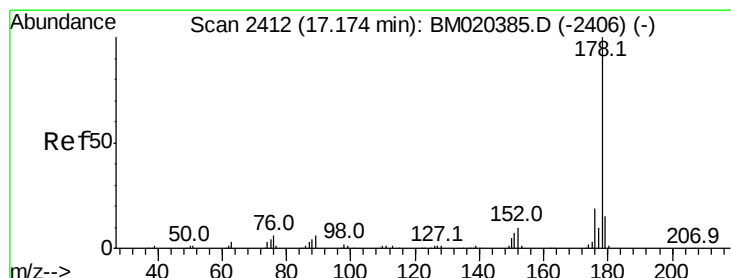
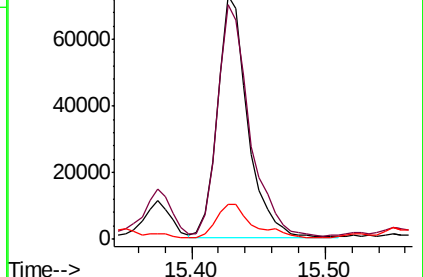
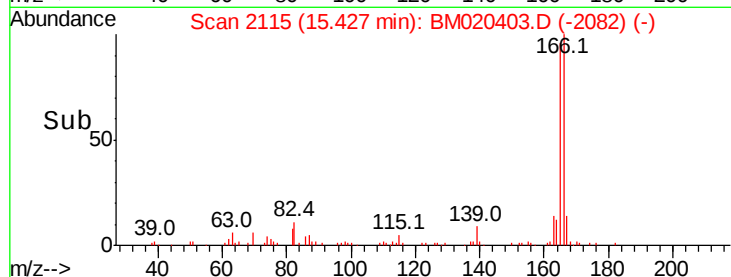


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

15.43



#69

Phenanthrene

Concen: 35.579 ng/ul

RT: 17.17 min Scan# 2412

Delta R.T. -0.00 min

Lab File: BM020403.D

Acq: 18 May 2019 16:01

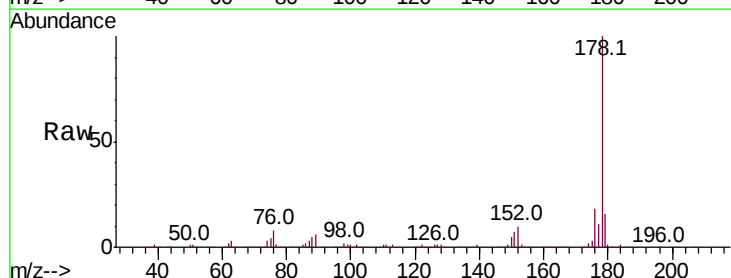
Tgt Ion:178 Resp: 626288

Ion Ratio Lower Upper

178 100

179 15.5 11.9 17.9

176 18.0 14.6 22.0

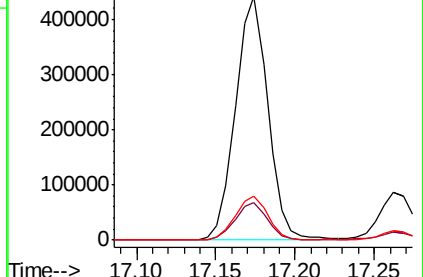
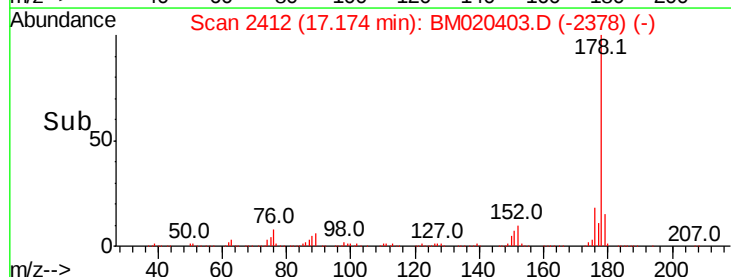


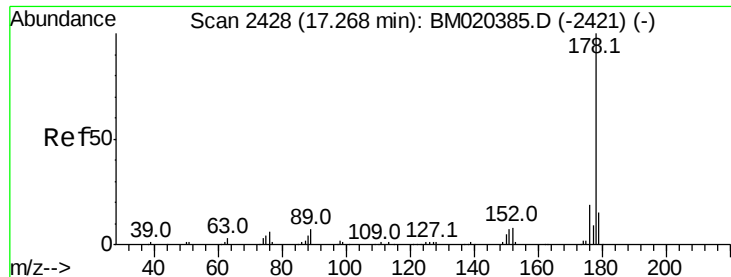
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

17.17

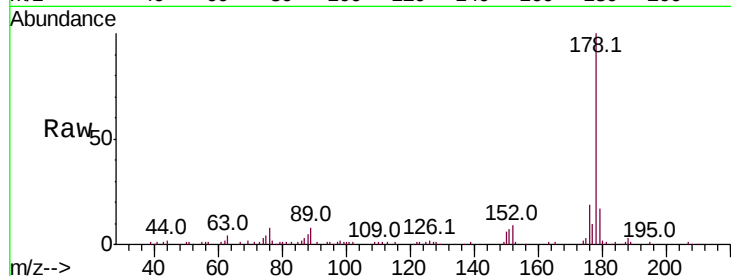




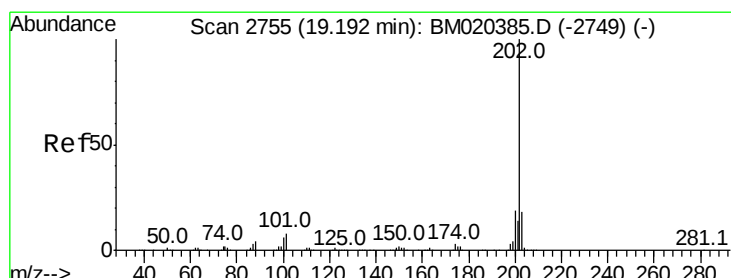
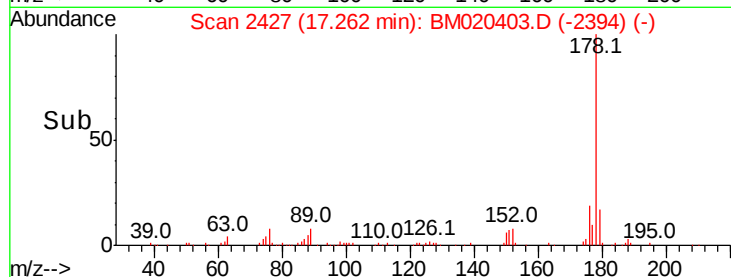
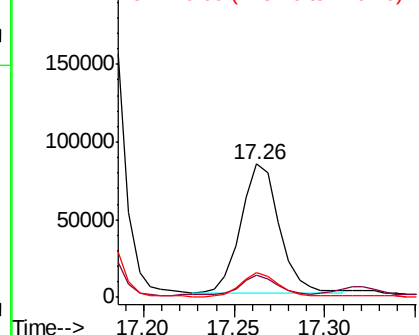
#71
 Anthracene
 Concen: 6.855 ng/ul
 RT: 17.26 min Scan# 2427
 Delta R.T. -0.01 min
 Lab File: BM020403.D
 Acq: 18 May 2019 16:01

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:178 Resp: 122739
 Ion Ratio Lower Upper
 178 100
 179 16.6 12.4 18.6
 176 18.5 14.4 21.6

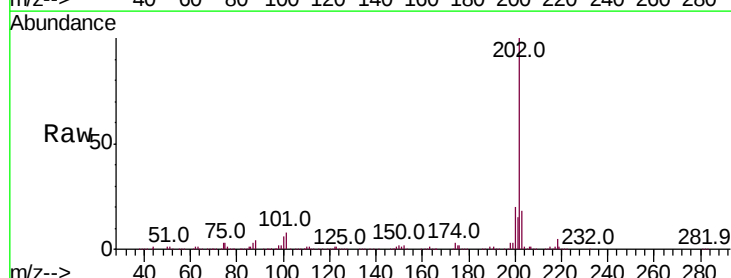


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E

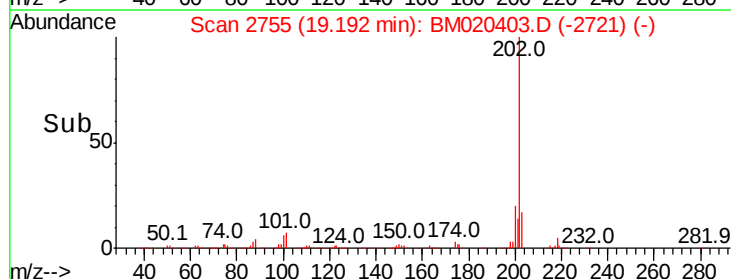
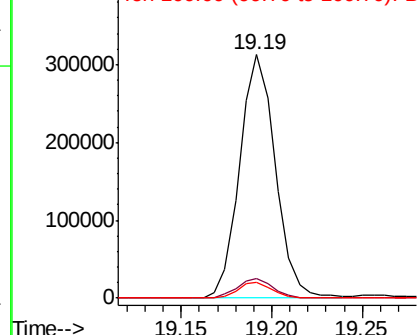


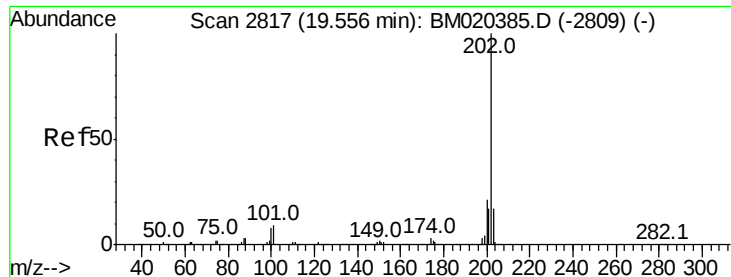
#76
 Fluoranthene
 Concen: 19.198 ng/ul
 RT: 19.19 min Scan# 2755
 Delta R.T. -0.00 min
 Lab File: BM020403.D
 Acq: 18 May 2019 16:01

Tgt Ion:202 Resp: 426881
 Ion Ratio Lower Upper
 202 100
 101 7.8 6.4 9.6
 100 6.3 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

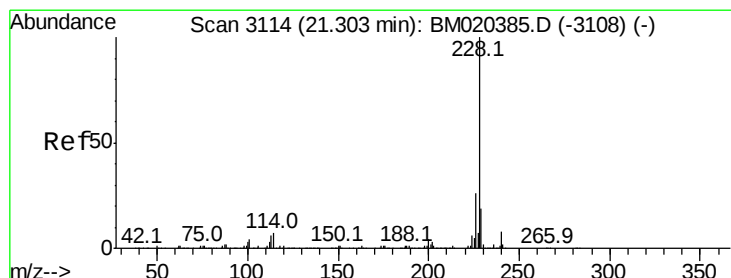
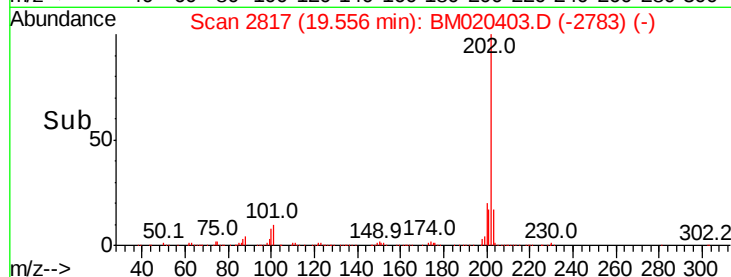
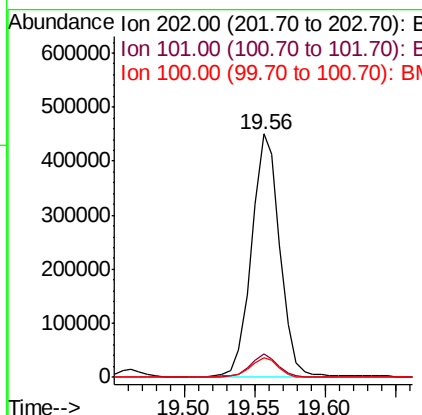
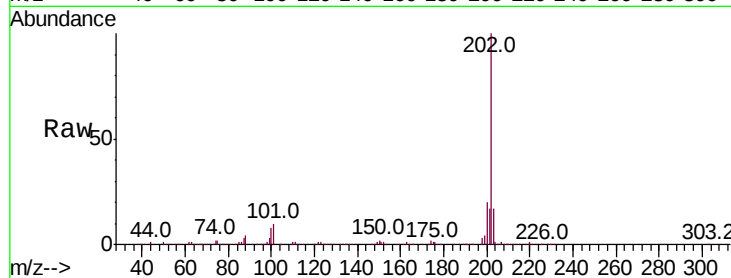




#79
Pvrene
Concen: 26.113 ng/ul
RT: 19.56 min Scan# 2817
Delta R.T. -0.00 min
Lab File: BM020403.D
Acq: 18 May 2019 16:01

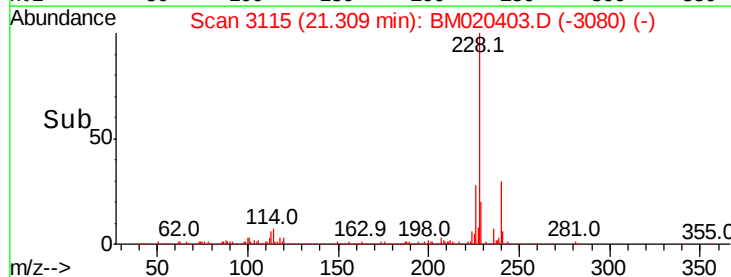
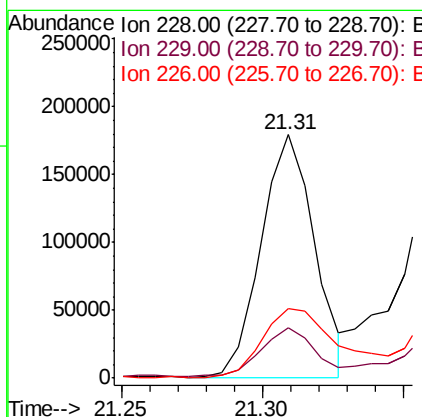
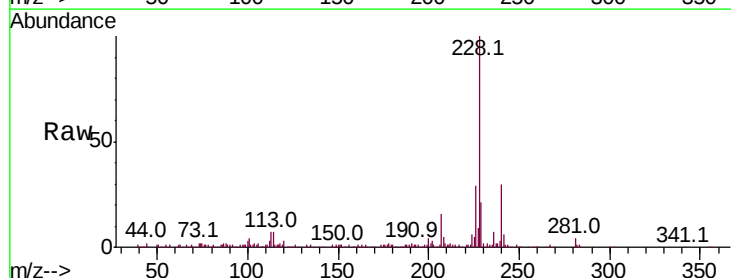
Instrument :
BNA_M
ClientSampleId :

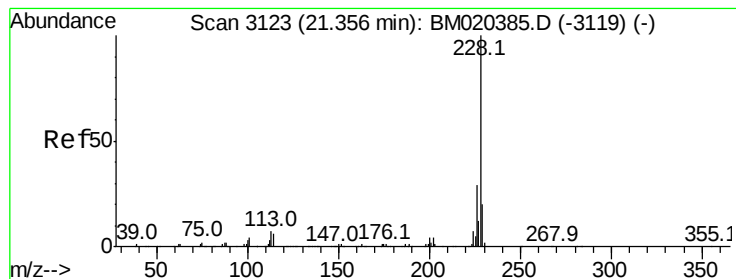
Tot Ion	Ratio	Lower	Upper
202	100		
101	9.6	7.1	10.7
100	7.8	5.9	8.9



#82
Benzo(a)anthracene
Concen: 9.689 ng/ul
RT: 21.31 min Scan# 3115
Delta R.T. 0.01 min
Lab File: BM020403.D
Acq: 18 May 2019 16:01

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.8	15.8	23.8
226	28.7	20.6	30.8





#84

Chrysene

Concen: 9.872 ng/ul

RT: 21.36 min Scan# 3124

Delta R.T. 0.01 min

Lab File: BM020403.D

Acq: 18 May 2019 16:01

Instrument :

BNA_M

ClientSampleId :

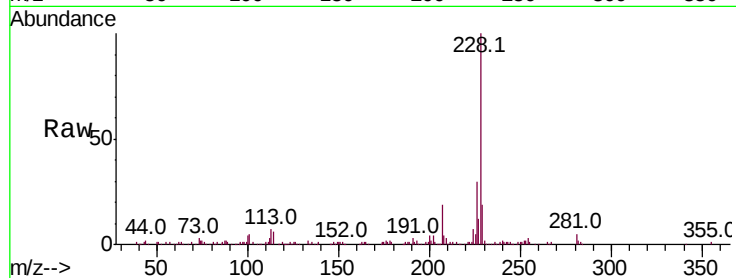
Tot Ion:228 Resp: 228695

Ion Ratio Lower Upper

228 100

226 29.7 22.2 33.4

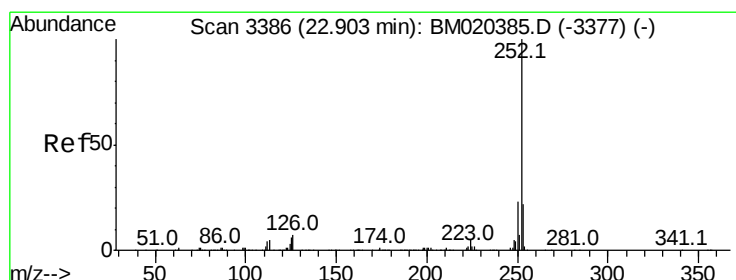
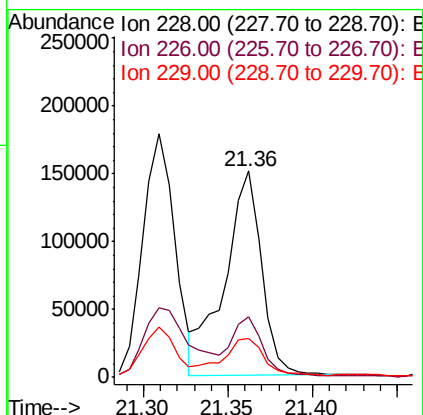
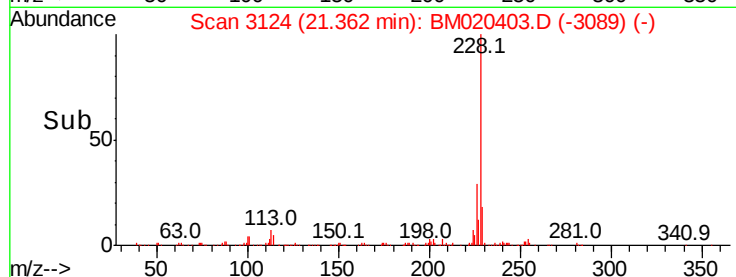
229 18.9 15.4 23.2



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: 9.270 ng/ul

RT: 22.91 min Scan# 3387

Delta R.T. 0.01 min

Lab File: BM020403.D

Acq: 18 May 2019 16:01

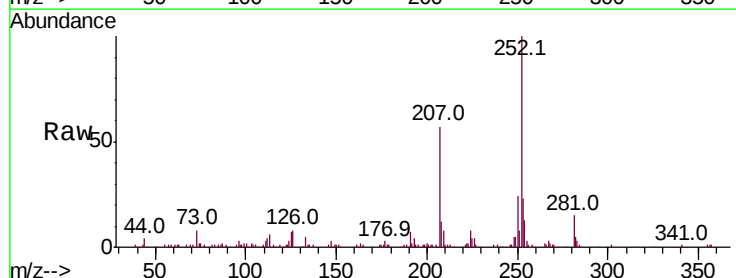
Tgt Ion:252 Resp: 242728

Ion Ratio Lower Upper

252 100

253 22.7 17.0 25.6

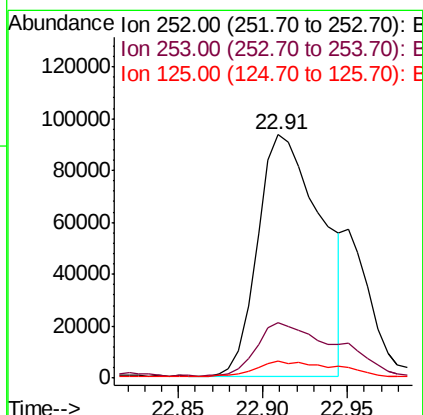
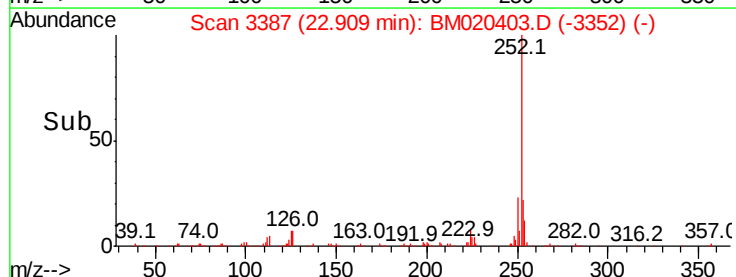
125 7.2 5.0 7.4

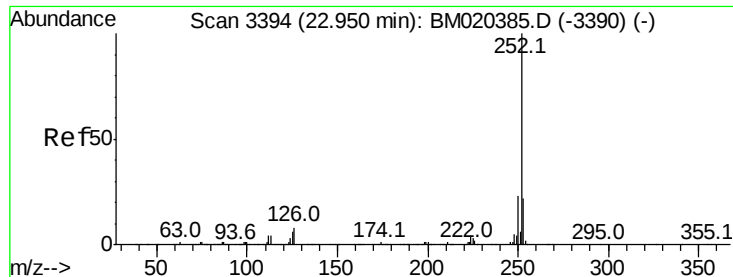


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 9.438 ng/ul

RT: 22.91 min Scan# 3387

Delta R.T. -0.04 min

Lab File: BM020403.D

Acq: 18 May 2019 16:01

Instrument :

BNA_M

ClientSampleId :

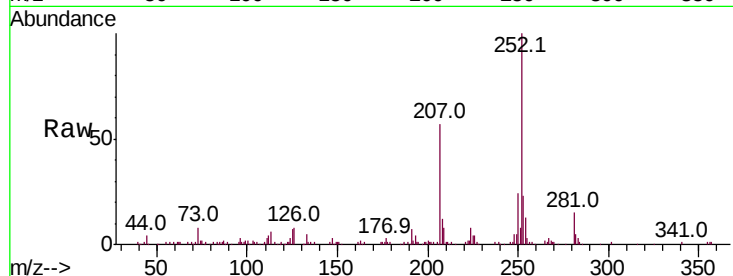
Tot Ion:252 Resp: 242728

Ion Ratio Lower Upper

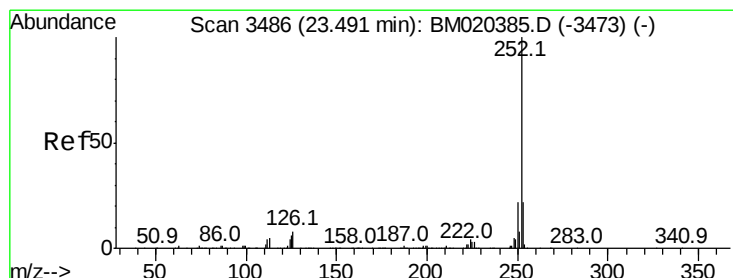
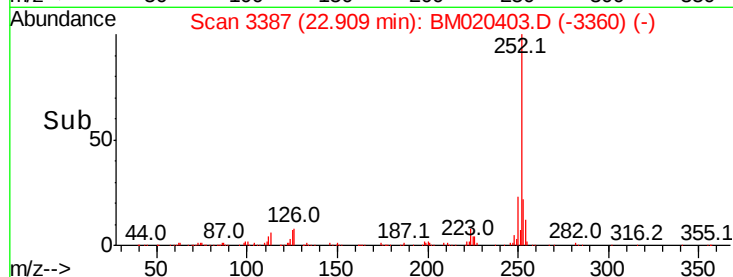
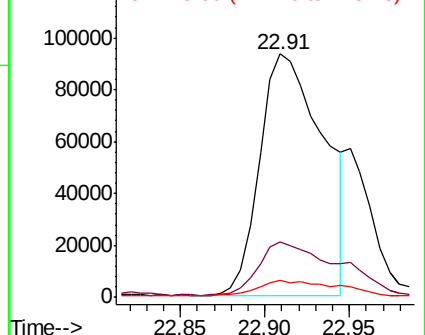
252 100

253 22.7 17.6 26.4

125 7.2 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: 8.591 ng/ul

RT: 23.49 min Scan# 3486

Delta R.T. -0.00 min

Lab File: BM020403.D

Acq: 18 May 2019 16:01

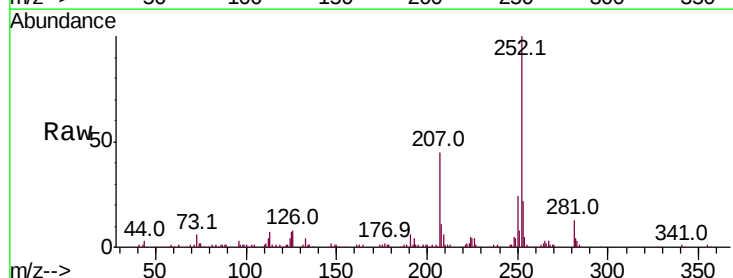
Tgt Ion:252 Resp: 211684

Ion Ratio Lower Upper

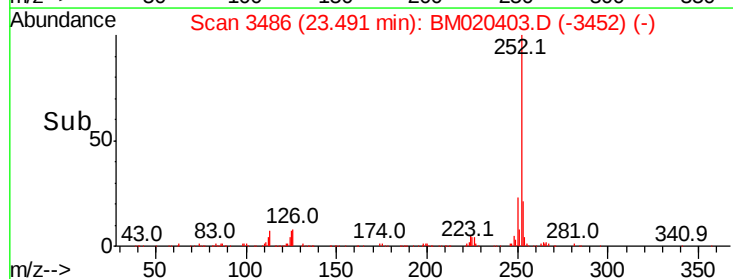
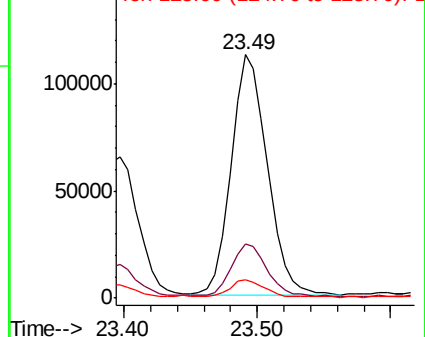
252 100

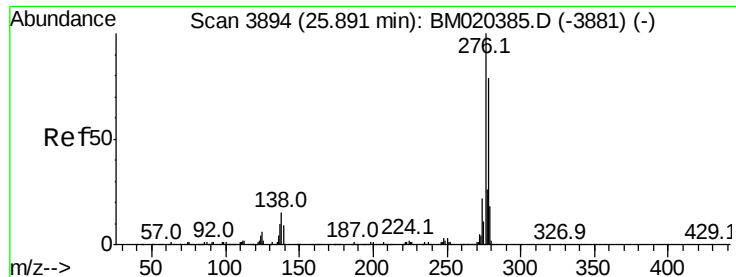
253 22.4 17.4 26.2

125 7.4 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: 3.987 ng/ul

RT: 25.89 min Scan# 3894

Delta R.T. -0.00 min

Lab File: BM020403.D

Acq: 18 May 2019 16:01

Instrument :

BNA_M

ClientSampleId :

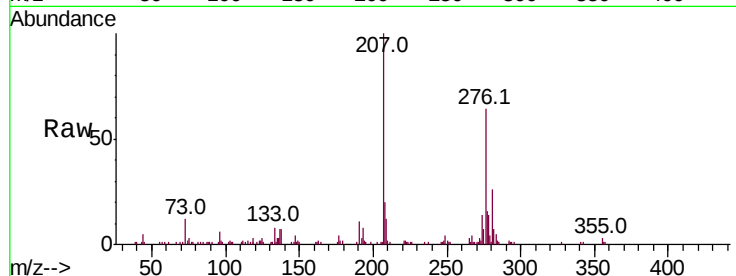
Tot Ion:276 Resp: 111960

Ion Ratio Lower Upper

276 100

138 10.8 12.3 18.5#

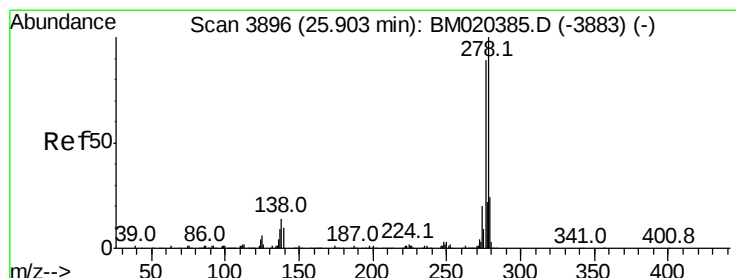
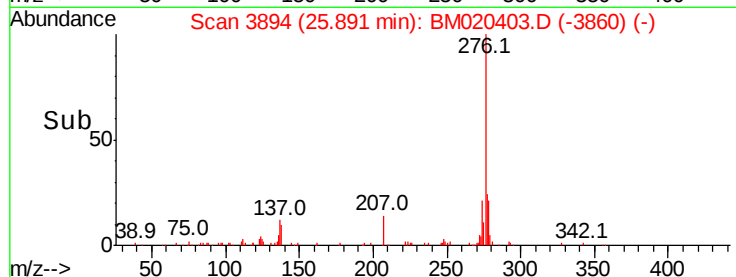
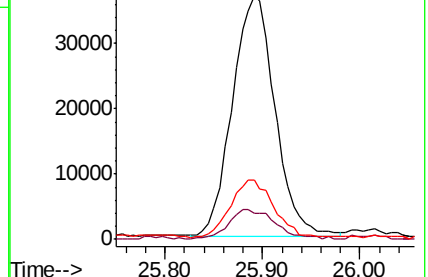
277 24.5 20.0 30.0



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: 1.371 ng/ul

RT: 25.90 min Scan# 3895

Delta R.T. -0.01 min

Lab File: BM020403.D

Acq: 18 May 2019 16:01

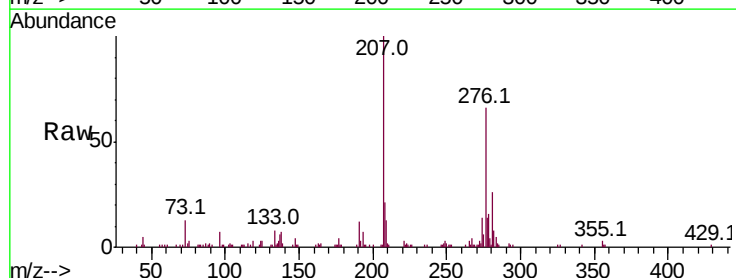
Tgt Ion:278 Resp: 32908

Ion Ratio Lower Upper

278 100

139 13.8 8.1 12.1#

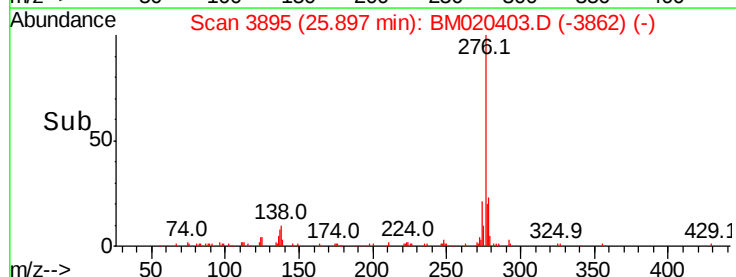
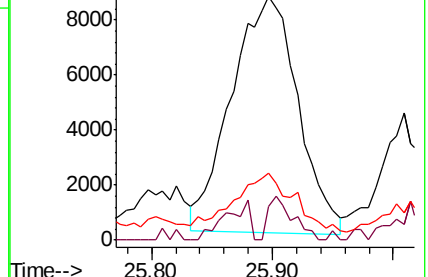
279 27.3 18.7 28.1

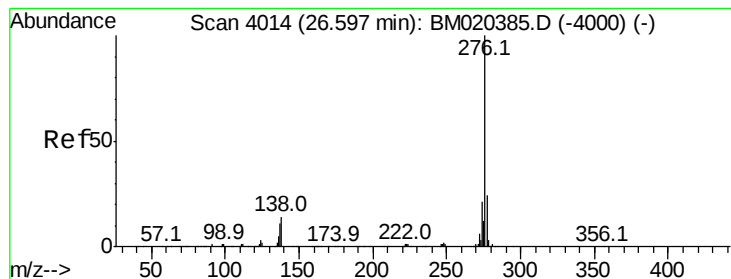


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#93

Benzo(a,h,i)perylene

Concen: 4.208 ng/ul

RT: 26.60 min Scan# 4014

Delta R.T. -0.00 min

Lab File: BM020403.D

Acq: 18 May 2019 16:01

Instrument :

BNA_M

ClientSampleId :

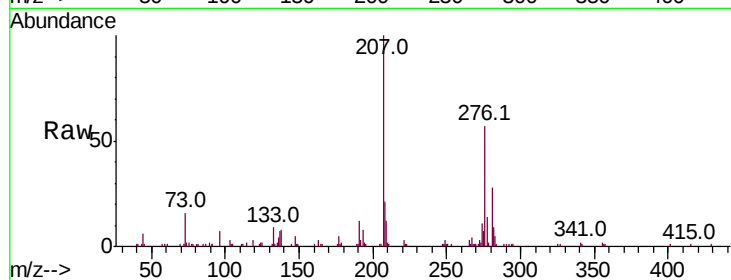
Tot Ion:276 Resp: 97801

Ion Ratio Lower Upper

276 100

138 14.5 10.0 15.0

277 23.9 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

