Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020399.D
Acq On : 18 May 2019 13:00
Operator : JU/SJ
Sample : K2604-01MEDL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId :

Quant Time: May 20 07:12:22 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	67500	20.00	ng/ul	0.00
18) Naphthalene-d8	10.52	136	262429	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.38	164	162531	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.13	188	388507	20.00	ng/ul	0.00
77) Chrysene-d12	21.32	240	378920	20.00	ng/ul	0.00
85) Perylene-d12	23.59	264	412251	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.23	96	980	0.54	ng/uL	0.01
5) Phenol-d5	6.90	99	12711	2.36	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.08	67	9889	2.89	ng/ul	0.00
9) 2-Chlorophenol-d4	7.26	132	10671	2.70	ng/ul	0.00
13) 4-Methylphenol-d8	8.43	113	9211	2.35	ng/ul	0.00
19) Nitrobenzene-d5	8.90	128	4630	2.71	ng/ul	0.00
22) 2-Nitrophenol-d4	9.62	143	3600	1.91	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.15	165	9869	2.48	ng/ul	0.00
29) 4-Chloroaniline-d4	10.68	131	9265	2.25	ng/ul	0.01
43) Dimethylphthalate-d6	13.79	166	39951	3.42	ng/ul	0.00
46) Acenaphthylene-d8	14.07	160	49570	3.39	ng/ul	0.00
51) 4-Nitrophenol-d4	14.59	143	266	0.16	ng/ul	-0.01
57) Fluorene-d10	15.37	176	40417	3.89	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.52	200	830	0.38	ng/ul	0.00
70) Anthracene-d10	17.23	188	57932	3.48	ng/ul	0.00
78) Pyrene-d10	19.53	212	66539	3.65	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.44	264	66156	3.53	ng/ul	0.00
Target Compounds						Qvalue
28) Naphthalene	10.57	128	1610777	133.595	ng/ul	99
30) 4-Chloroaniline	10.57	127	208854	49.654	ng/ul#	7
34) 2-Methylnaphthalene	12.19	142	612724	70.187	ng/ul	99
40) 1,1'-Biphenyl	13.21	154	89092	7.657	ng/ul	97
47) Acenaphthylene	14.10	152	349829	25.362	ng/ul	99
49) Acenaphthene	14.44	153	43137	4.549	ng/ul	98
53) Dibenzofuran	14.78	168	131418	9.152	ng/ul	96
58) Fluorene	15.43	166	287733	25.013	ng/ul	97
60) 4-Nitroaniline	15.43	138	3060	1.658	ng/ul#	4
69) Phenanthrene	17.17	178	1463048	79.035	ng/ul	99
71) Anthracene	17.26	178	315091	16.733	ng/ul	99
74) Carbazole	17.54	167	36355	2.275	ng/ul	97
76) Fluoranthene	19.19	202	647086	27.673	ng/ul	99
79) Pyrene	19.56	202	719750	31.646	ng/ul	99
82) Benzo(a)anthracene	21.31	228	278692	12.220	ng/ul	95
84) Chrysene	21.36	228	239244	10.977	ng/ul	96
87) Benzo(b)fluoranthene	22.91	252	194087	8.249	ng/ul	98
88) Benzo(k)fluoranthene	22.91	252	194087	8.398	ng/ul	97
90) Benzo(a)pyrene	23.49	252	174438	7.878	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.89	276	76635	3.037	ng/ul#	94
92) Dibenzo(a,h)anthracene	25.89	278	22384	1.037	ng/ul#	83
93) Benzo(g,h,i)perylene	26.60	276	71582	3.427	ng/ul	96

Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020399.D
Acq On : 18 May 2019 13:00
Operator : JU/SJ
Sample : K2604-01MEDL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :

Quant Time: May 20 07:12:22 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)

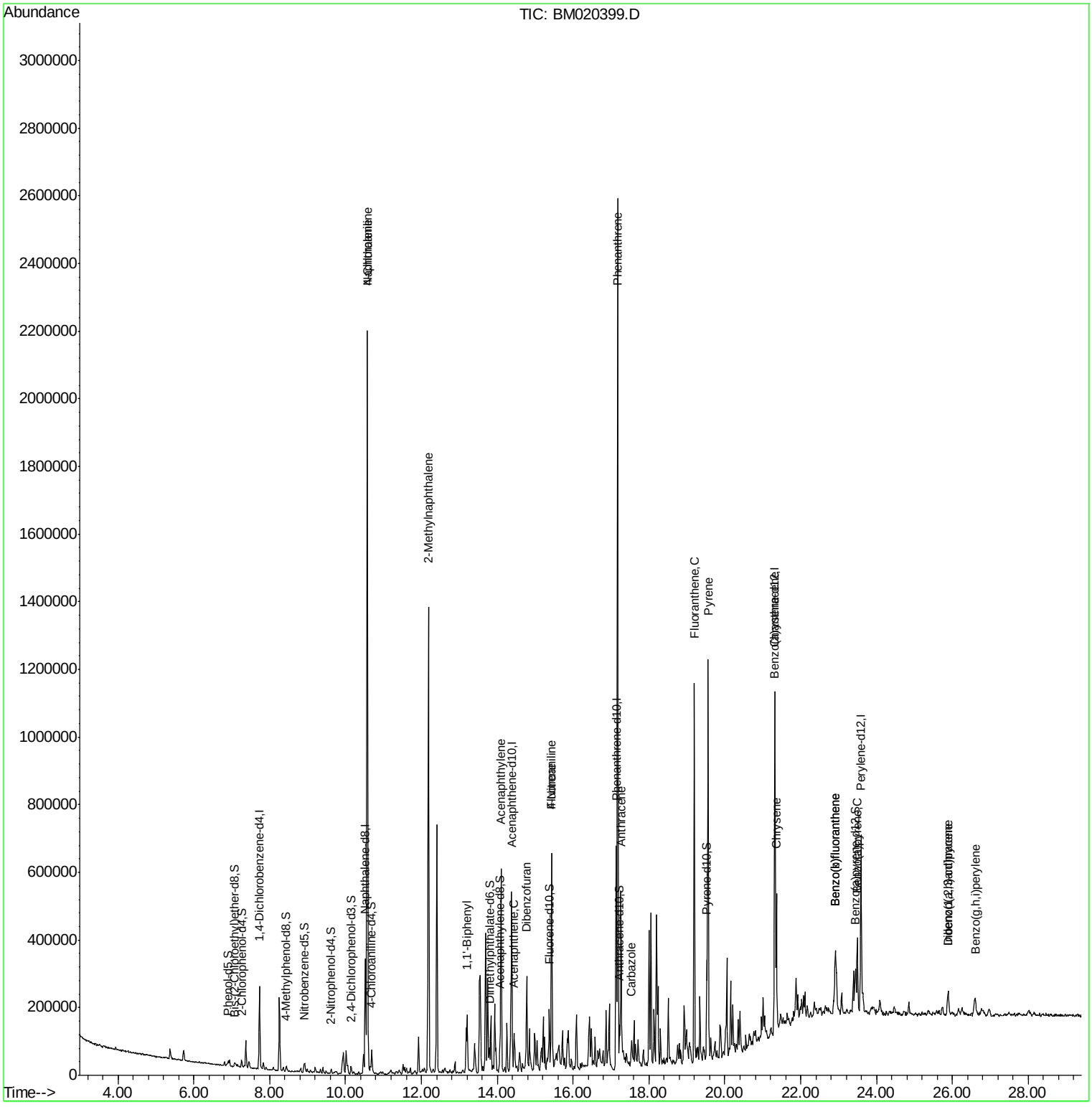
(#) = qualifier out of range (m) = manual integration (+) = signals summed

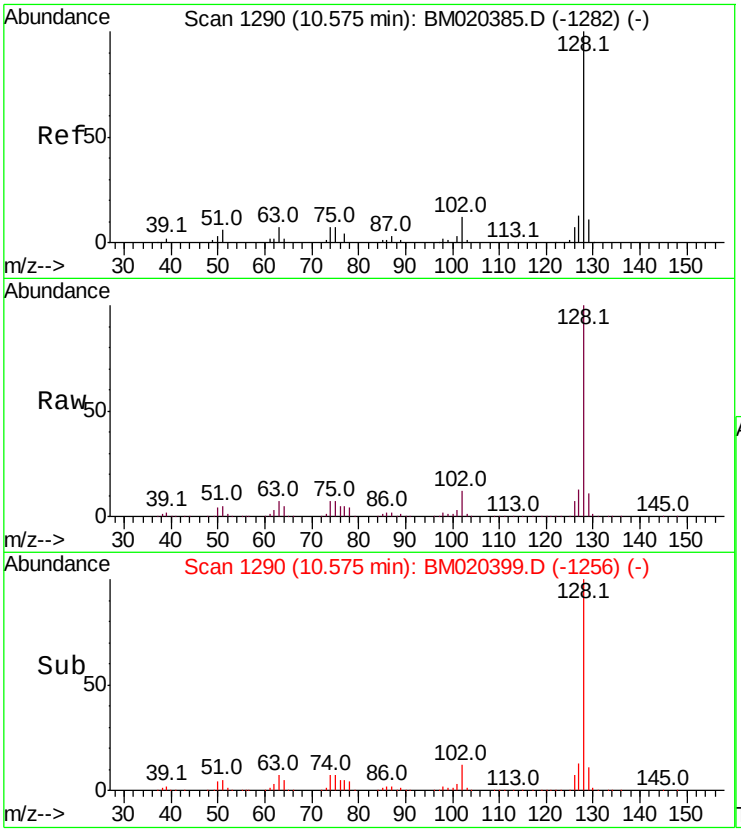
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM051819\
Data File : BM020399.D
Acq On : 18 May 2019 13:00
Operator : JU/SJ
Sample : K2604-01MEDL 10X
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :

Quant Time: May 20 07:12:22 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



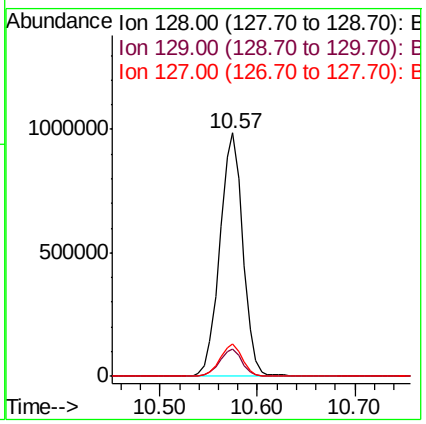


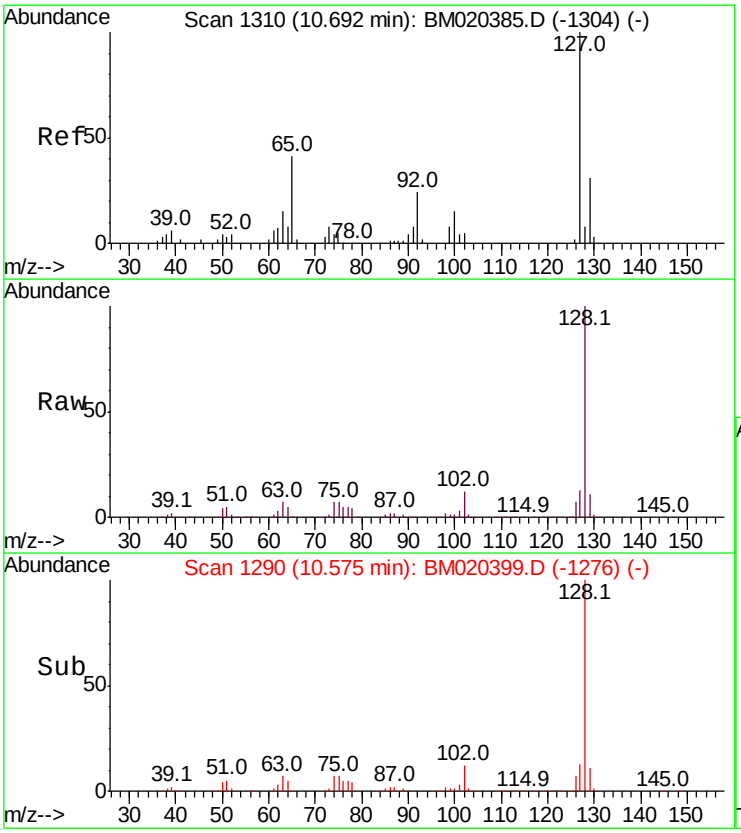
#28
Naphthalene
Concen: 133.595 ng/ul
RT: 10.57 min Scan# 1290
Delta R.T. -0.00 min
Lab File: BM020399.D
Acq: 18 May 2019 13:00

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:128 Resp: 1610777

Ion	Ratio	Lower	Upper
128	100		
129	11.5	8.6	13.0
127	13.4	10.6	15.8

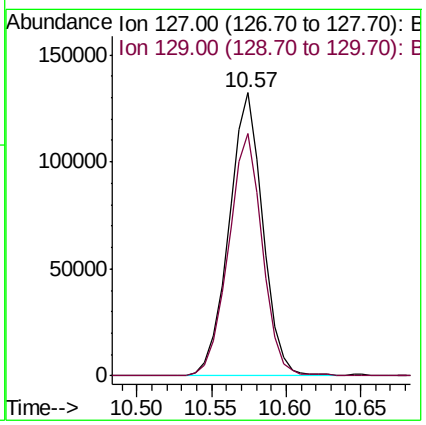


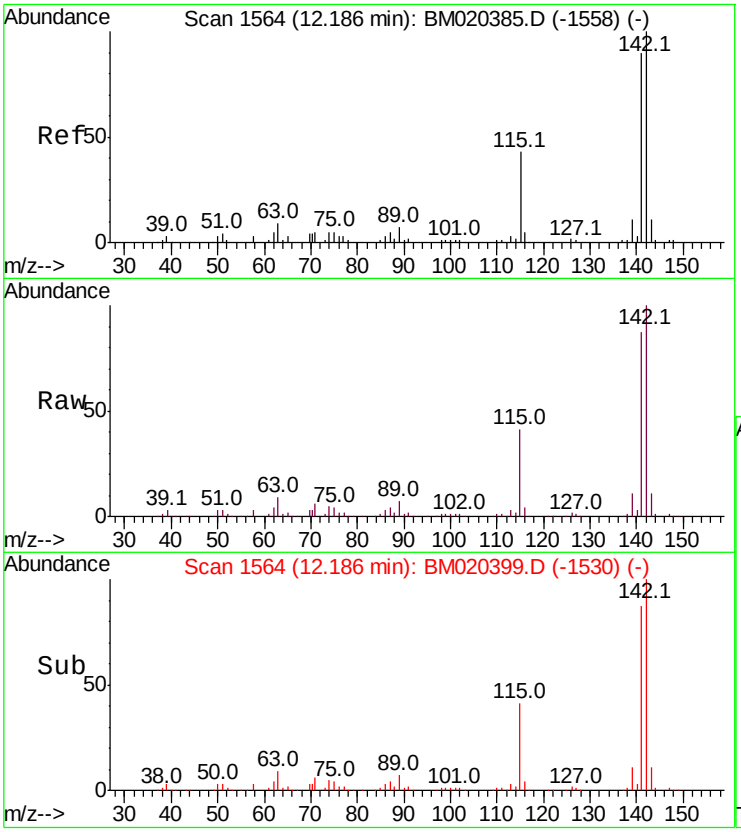


#30
4-Chloroaniline
Concen: 49.654 ng/ul
RT: 10.57 min Scan# 1290
Delta R.T. -0.12 min
Lab File: BM020399.D
Acq: 18 May 2019 13:00

Tgt Ion:127 Resp: 208854

Ion	Ratio	Lower	Upper
127	100		
129	85.6	26.5	39.7#



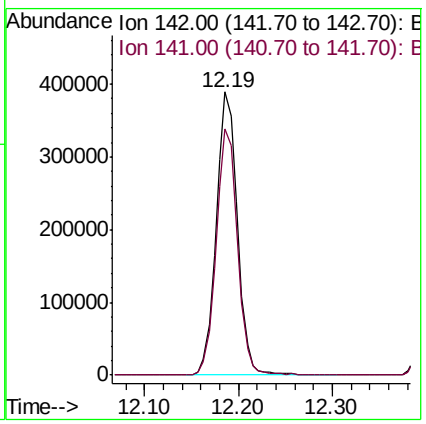


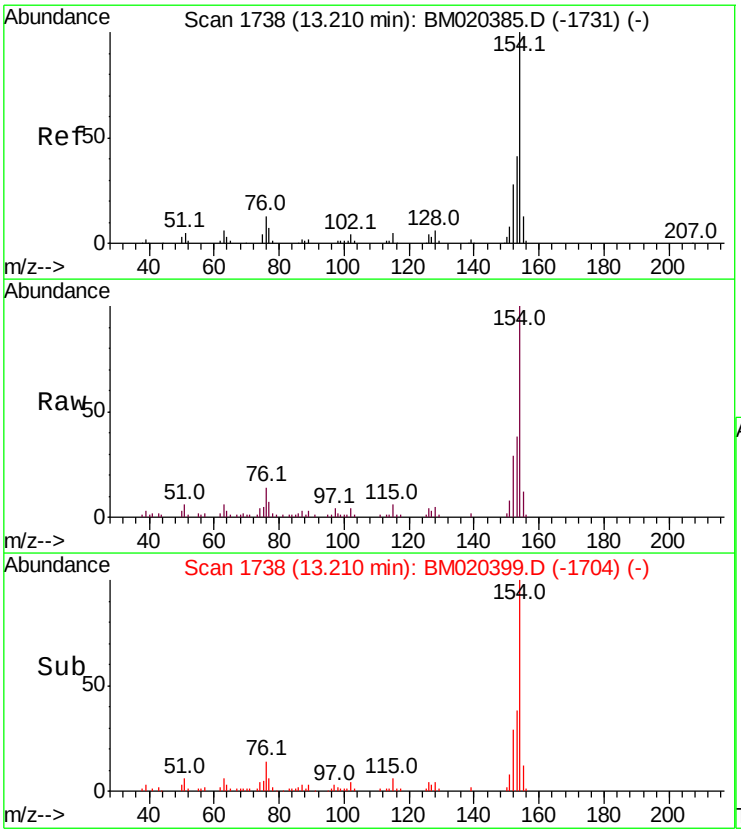
#34
2-Methylnaphthalene
Concen: 70.187 ng/ul
RT: 12.19 min Scan# 1564
Delta R.T. -0.00 min
Lab File: BM020399.D
Acq: 18 May 2019 13:00

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:142 Resp: 612724

Ion	Ratio	Lower	Upper
142	100		
141	86.9	68.6	102.8

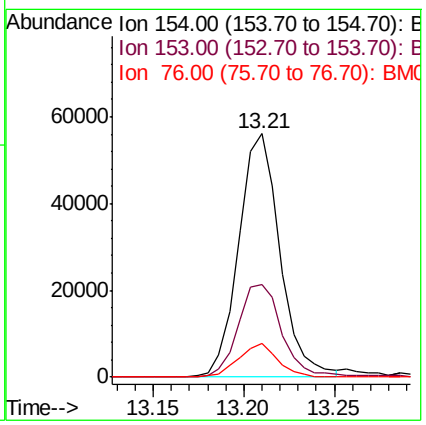


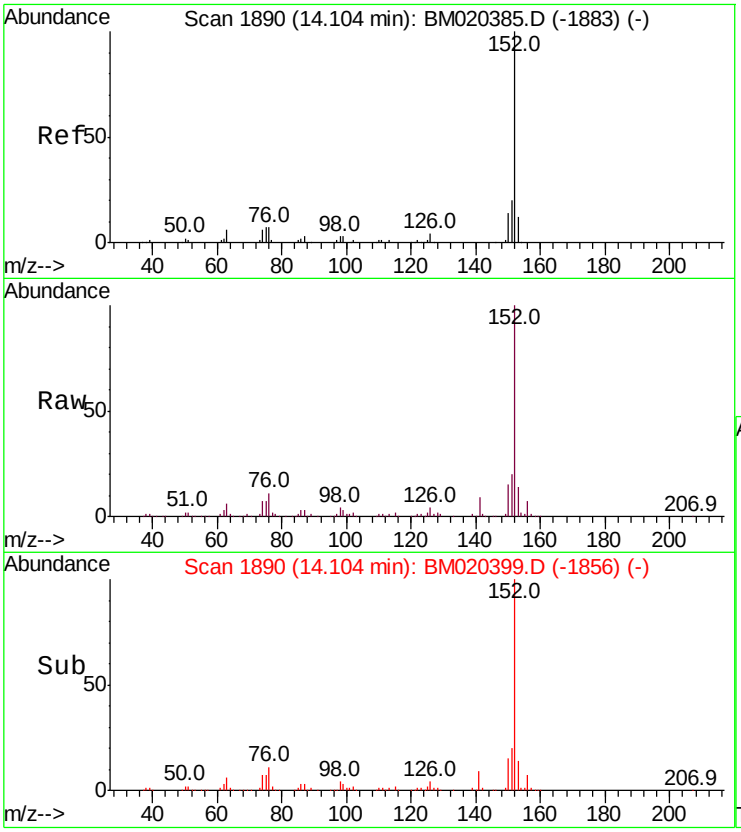


#40
1,1'-Biphenyl
Concen: 7.657 ng/ul
RT: 13.21 min Scan# 1738
Delta R.T. -0.00 min
Lab File: BM020399.D
Acq: 18 May 2019 13:00

Tgt Ion:154 Resp: 89092

Ion	Ratio	Lower	Upper
154	100		
153	38.1	32.2	48.4
76	13.7	11.0	16.4



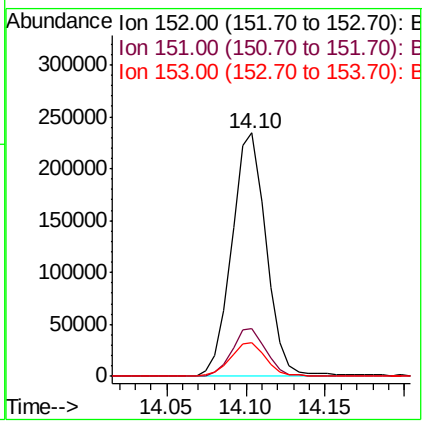


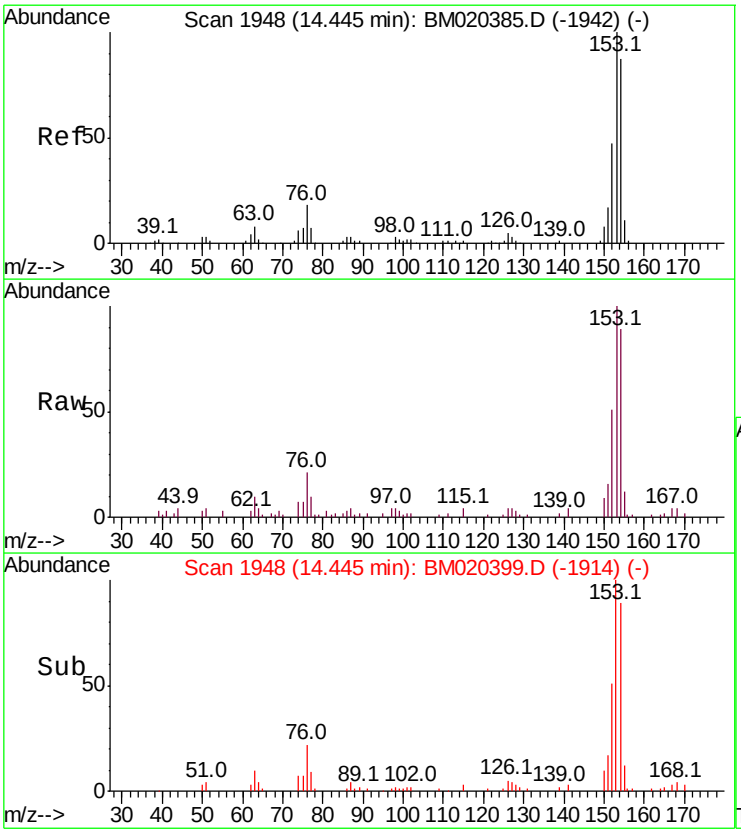
#47
Acenaphthylene
Concen: 25.362 ng/ul
RT: 14.10 min Scan# 1890
Delta R.T. -0.00 min
Lab File: BM020399.D
Acq: 18 May 2019 13:00

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:152 Resp: 349829

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.4	23.0
153	13.9	10.3	15.5

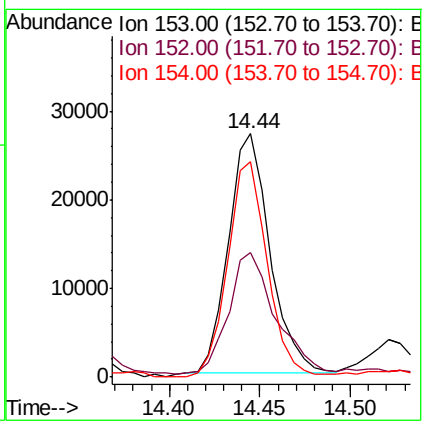


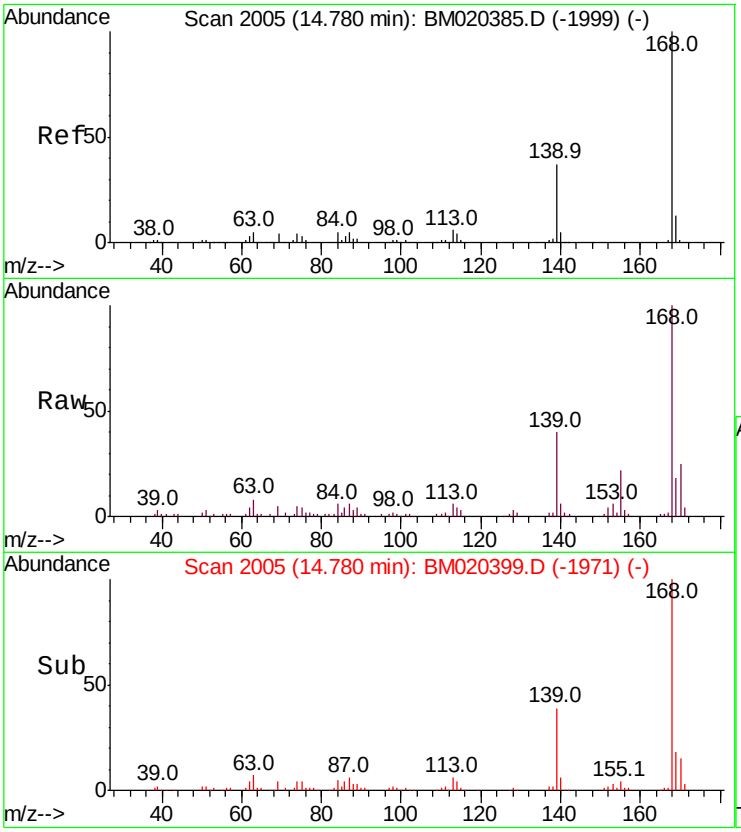


#49
Acenaphthene
Concen: 4.549 ng/ul
RT: 14.44 min Scan# 1948
Delta R.T. -0.00 min
Lab File: BM020399.D
Acq: 18 May 2019 13:00

Tgt Ion:153 Resp: 43137

Ion	Ratio	Lower	Upper
153	100		
152	51.3	37.9	56.9
154	88.6	71.2	106.8



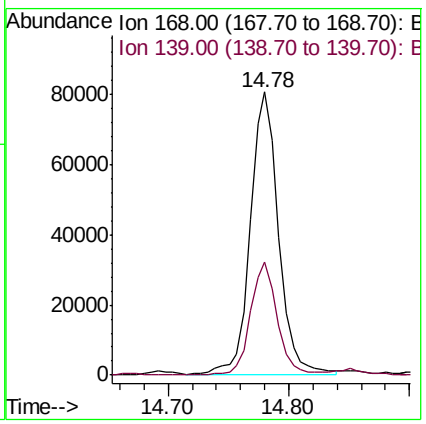


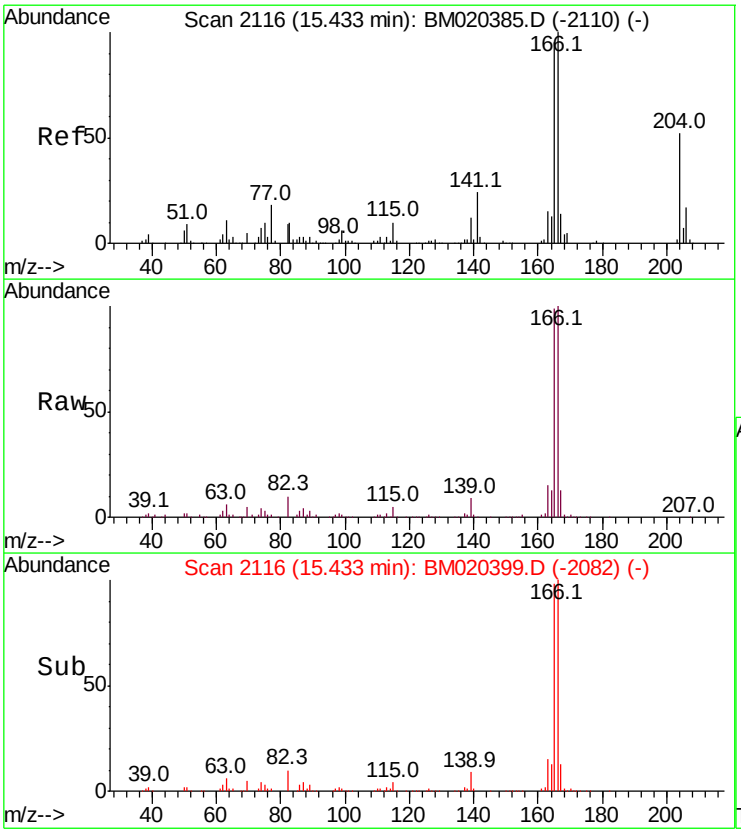
#53
Dibenzofuran
Concen: 9.152 ng/ul
RT: 14.78 min Scan# 2005
Delta R.T. -0.00 min
Lab File: BM020399.D
Acq: 18 May 2019 13:00

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:168 Resp: 131418

Ion	Ratio	Lower	Upper
168	100		
139	39.9	30.1	45.1

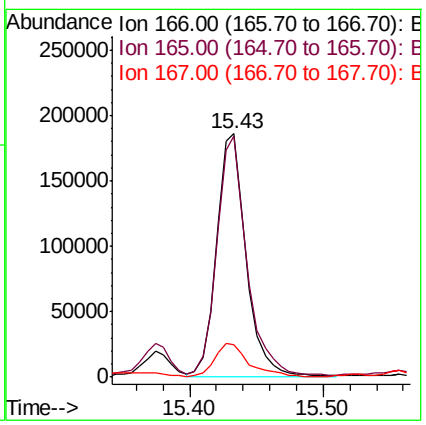


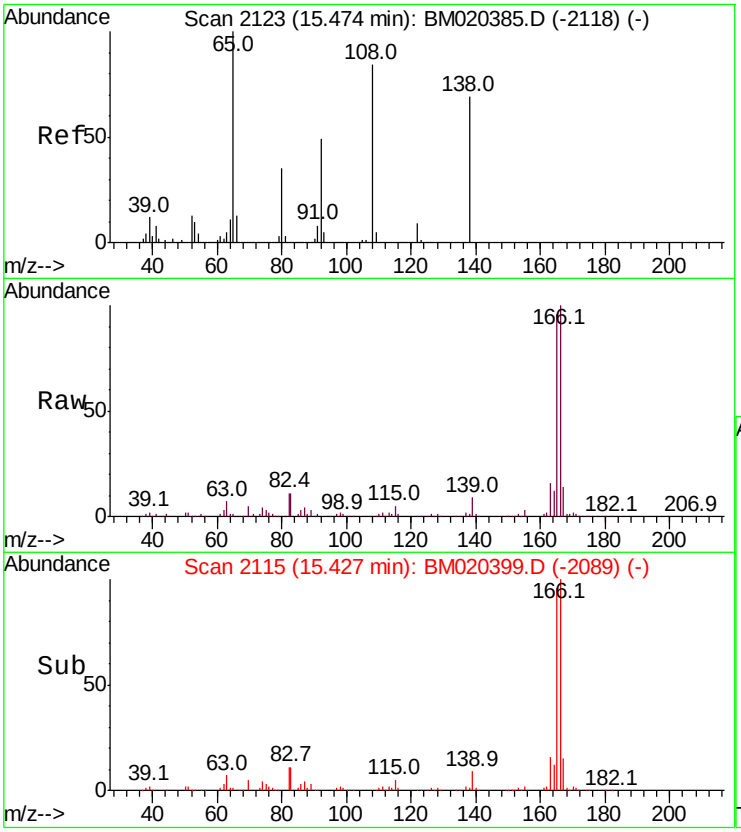


#58
Fluorene
Concen: 25.013 ng/ul
RT: 15.43 min Scan# 2116
Delta R.T. -0.00 min
Lab File: BM020399.D
Acq: 18 May 2019 13:00

Tgt Ion:166 Resp: 287733

Ion	Ratio	Lower	Upper
166	100		
165	99.2	77.1	115.7
167	13.1	11.1	16.7



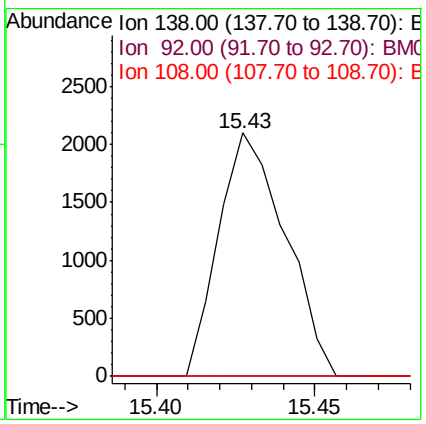


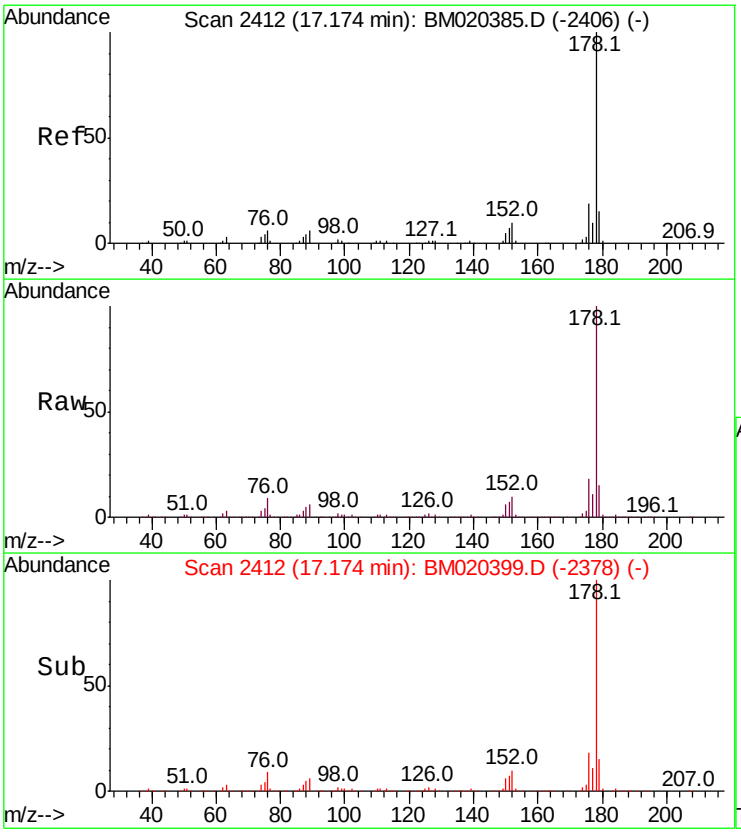
#60
4-Nitroaniline
Concen: 1.658 ng/ul
RT: 15.43 min Scan# 2115
Delta R.T. -0.05 min
Lab File: BM020399.D
Acq: 18 May 2019 13:00

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:138 Resp: 3060

Ion	Ratio	Lower	Upper
138	100		
92	0.0	52.2	78.4#
108	0.0	86.6	130.0#

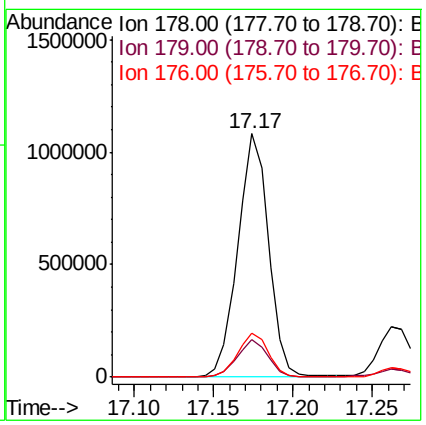


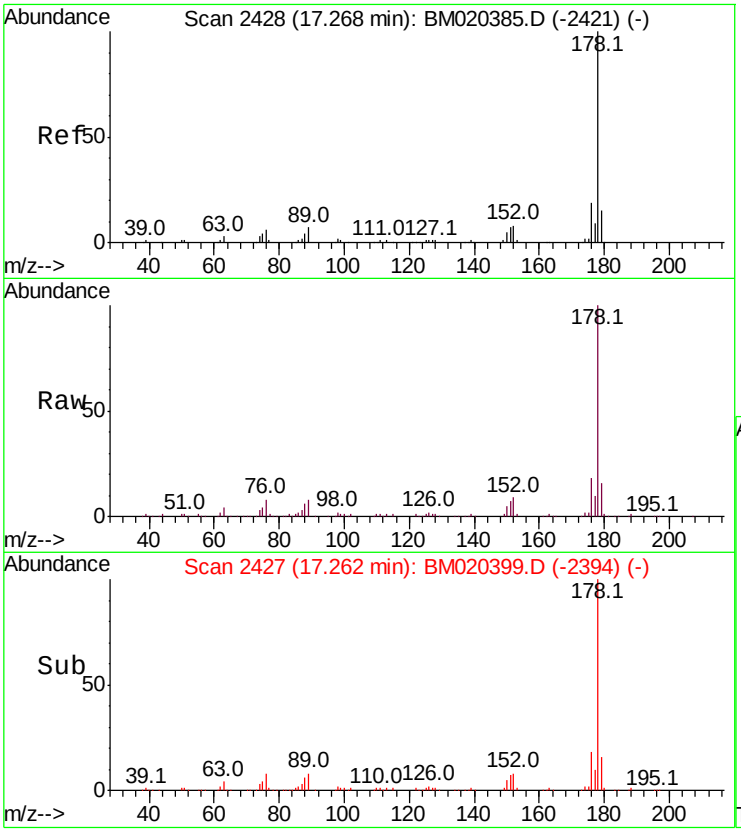


#69
Phenanthrene
Concen: 79.035 ng/ul
RT: 17.17 min Scan# 2412
Delta R.T. -0.00 min
Lab File: BM020399.D
Acq: 18 May 2019 13:00

Tgt Ion:178 Resp: 1463048

Ion	Ratio	Lower	Upper
178	100		
179	15.4	11.9	17.9
176	18.1	14.6	22.0



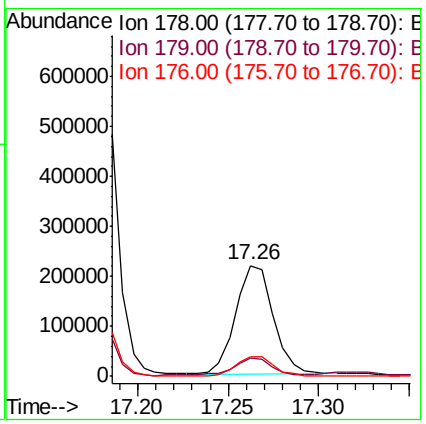


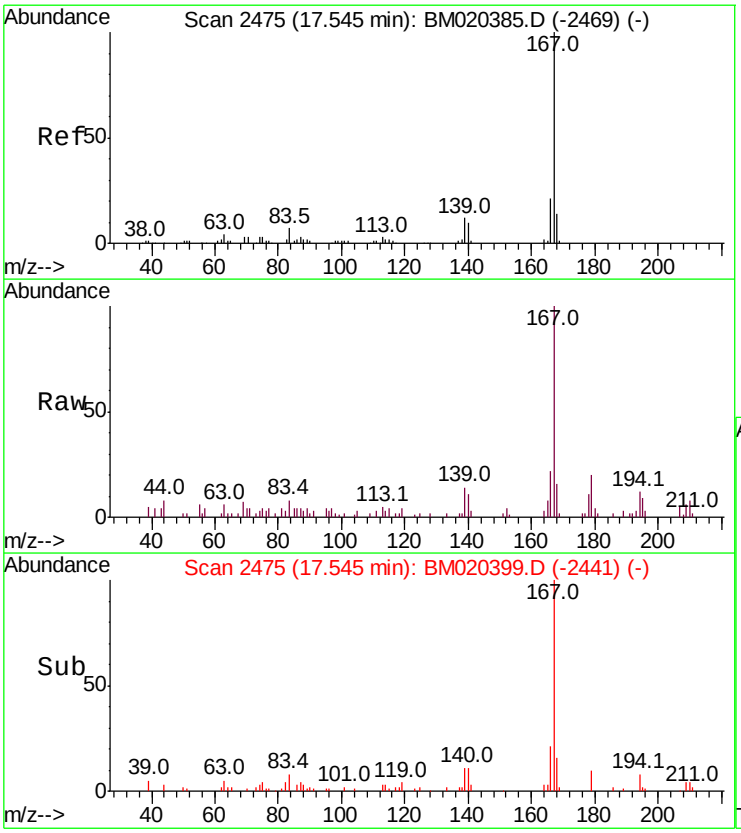
#71
Anthracene
Concen: 16.733 ng/ul
RT: 17.26 min Scan# 2427
Delta R.T. -0.01 min
Lab File: BM020399.D
Acq: 18 May 2019 13:00

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:178 Resp: 315091

Ion	Ratio	Lower	Upper
178	100		
179	16.0	12.4	18.6
176	17.8	14.4	21.6

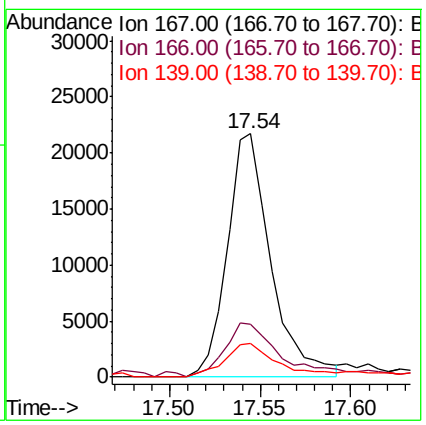


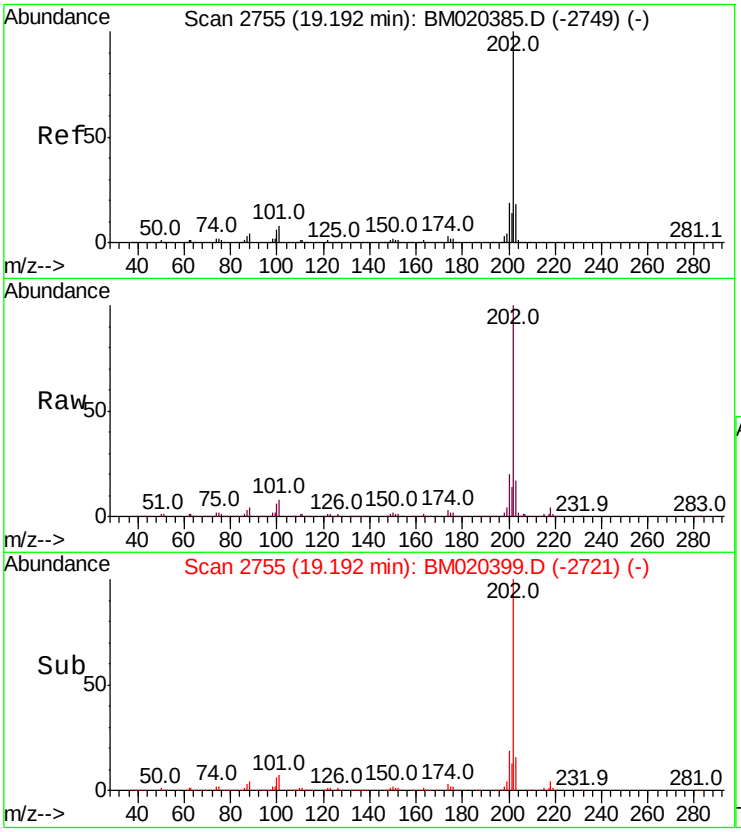


#74
Carbazole
Concen: 2.275 ng/ul
RT: 17.54 min Scan# 2475
Delta R.T. -0.00 min
Lab File: BM020399.D
Acq: 18 May 2019 13:00

Tgt Ion:167 Resp: 36355

Ion	Ratio	Lower	Upper
167	100		
166	22.0	16.6	24.8
139	13.7	9.8	14.8



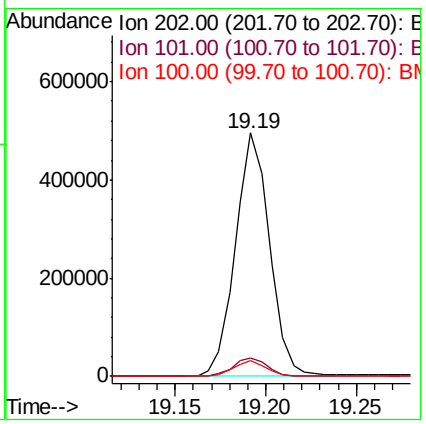


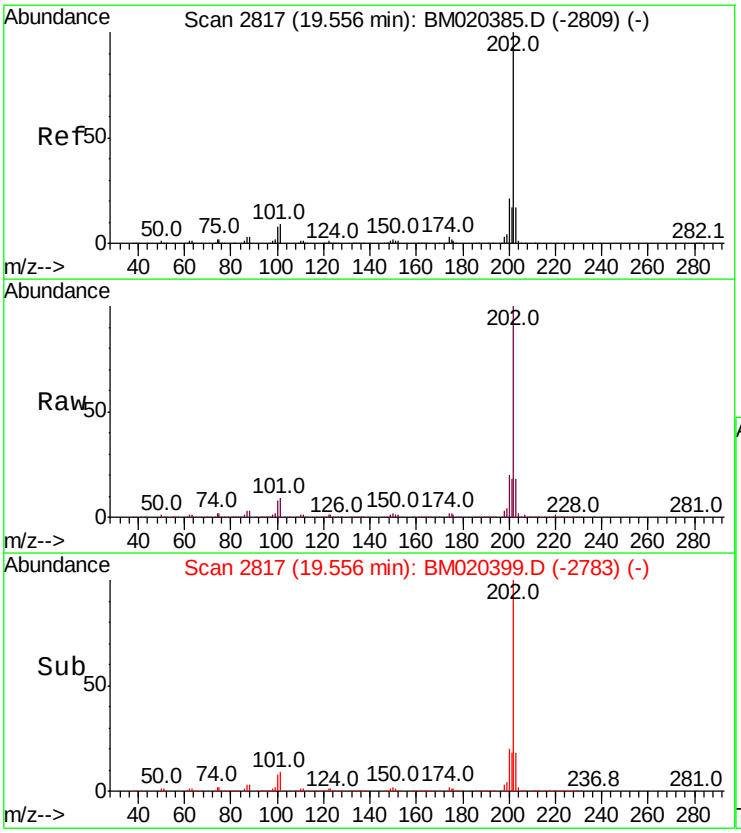
#76
Fluoranthene
Concen: 27.673 ng/ul
RT: 19.19 min Scan# 2755
Delta R.T. -0.00 min
Lab File: BM020399.D
Acq: 18 May 2019 13:00

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:202 Resp: 647086

Ion	Ratio	Lower	Upper
202	100		
101	7.6	6.4	9.6
100	6.2	5.2	7.8

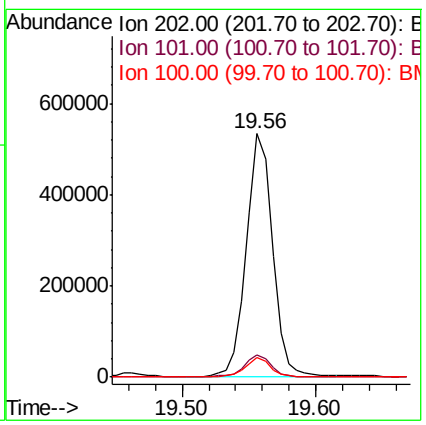


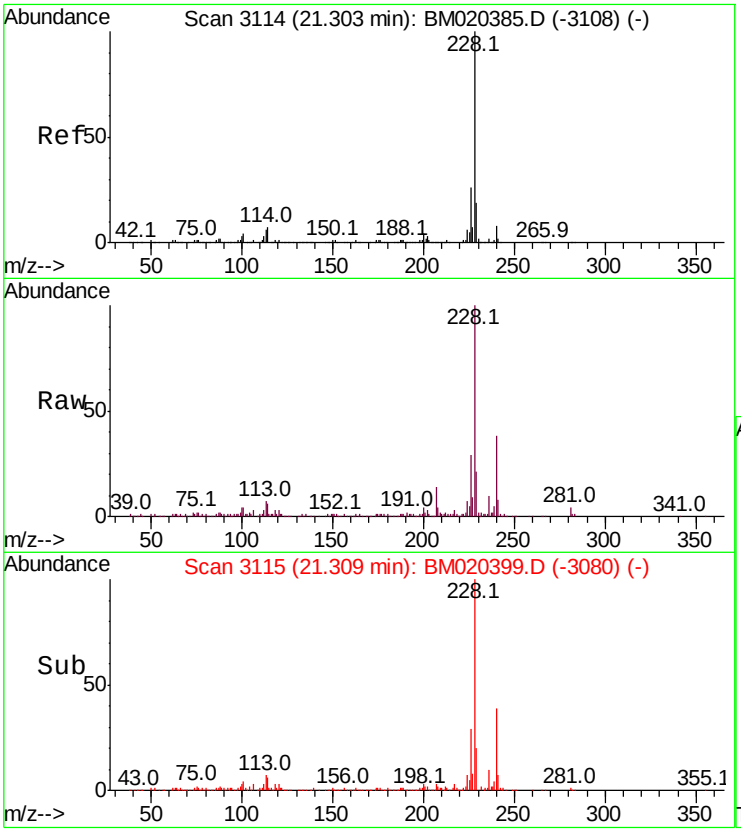


#79
Pyrene
Concen: 31.646 ng/ul
RT: 19.56 min Scan# 2817
Delta R.T. -0.00 min
Lab File: BM020399.D
Acq: 18 May 2019 13:00

Tgt Ion:202 Resp: 719750

Ion	Ratio	Lower	Upper
202	100		
101	9.1	7.1	10.7
100	7.9	5.9	8.9



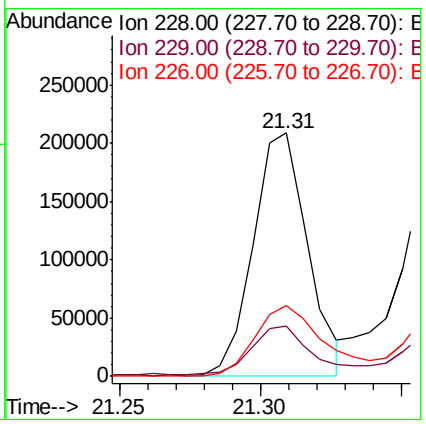


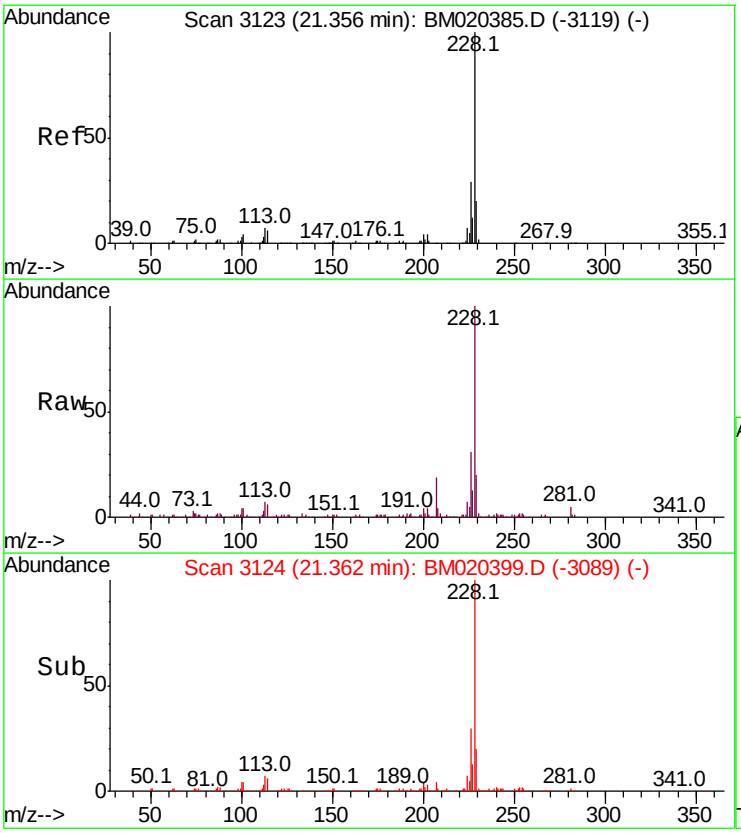
#82
Benzo(a)anthracene
Concen: 12.220 ng/ul
RT: 21.31 min Scan# 3115
Delta R.T. 0.01 min
Lab File: BM020399.D
Acq: 18 May 2019 13:00

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:228 Resp: 278692

Ion	Ratio	Lower	Upper
228	100		
229	20.9	15.8	23.8
226	29.1	20.6	30.8

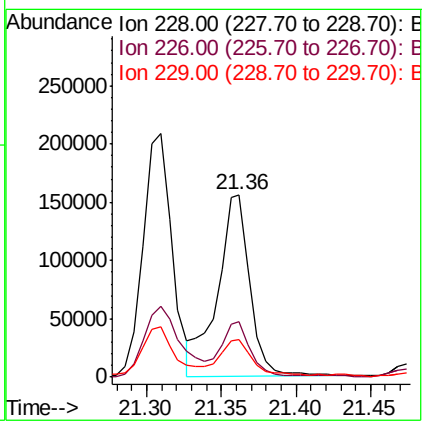


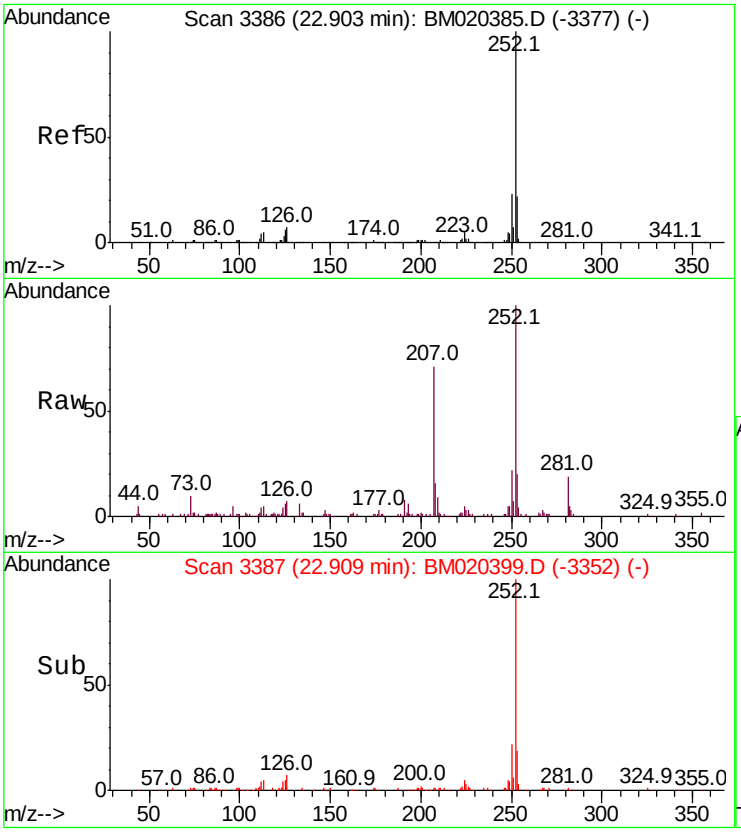


#84
Chrysene
Concen: 10.977 ng/ul
RT: 21.36 min Scan# 3124
Delta R.T. 0.01 min
Lab File: BM020399.D
Acq: 18 May 2019 13:00

Tgt Ion:228 Resp: 239244

Ion	Ratio	Lower	Upper
228	100		
226	30.5	22.2	33.4
229	20.4	15.4	23.2



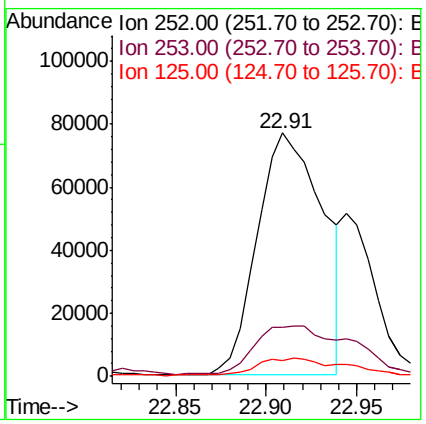


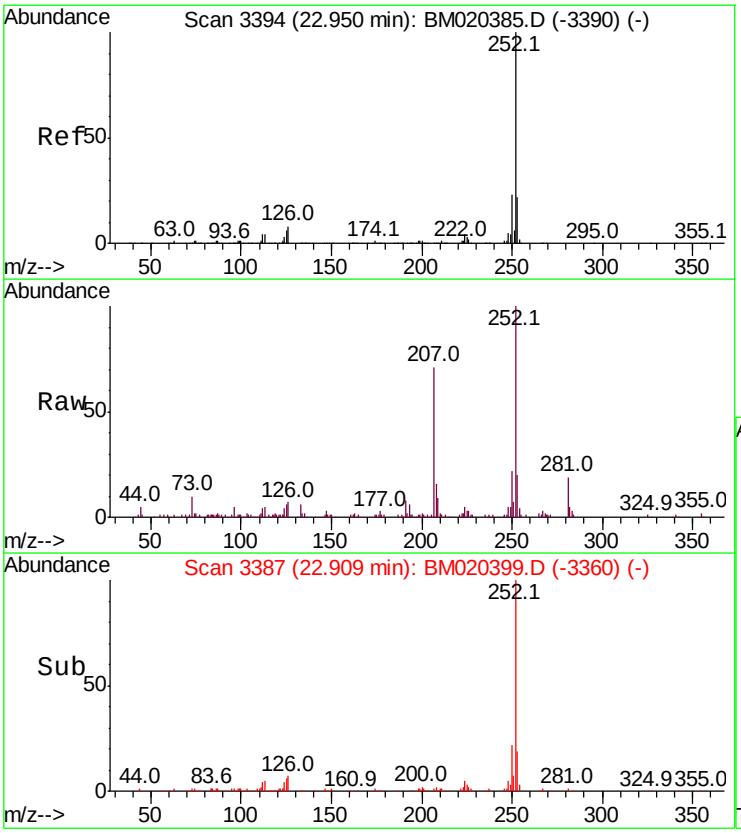
#87
Benzo(b)fluoranthene
Concen: 8.249 ng/ul
RT: 22.91 min Scan# 3387
Delta R.T. 0.01 min
Lab File: BM020399.D
Acq: 18 May 2019 13:00

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:252 Resp: 194087

Ion	Ratio	Lower	Upper
252	100		
253	20.0	17.0	25.6
125	6.2	5.0	7.4

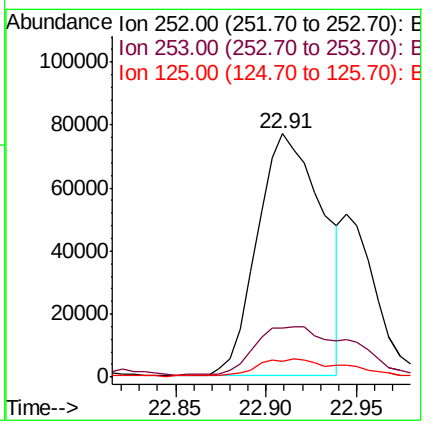


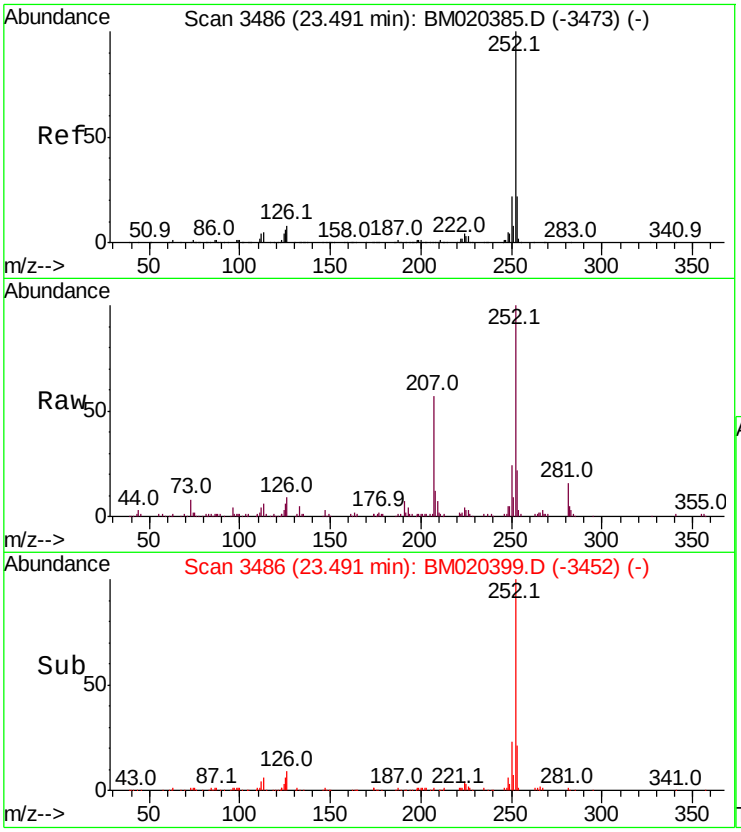


#88
Benzo(k)fluoranthene
Concen: 8.398 ng/ul
RT: 22.91 min Scan# 3387
Delta R.T. -0.04 min
Lab File: BM020399.D
Acq: 18 May 2019 13:00

Tgt Ion:252 Resp: 194087

Ion	Ratio	Lower	Upper
252	100		
253	20.0	17.6	26.4
125	6.2	5.0	7.6



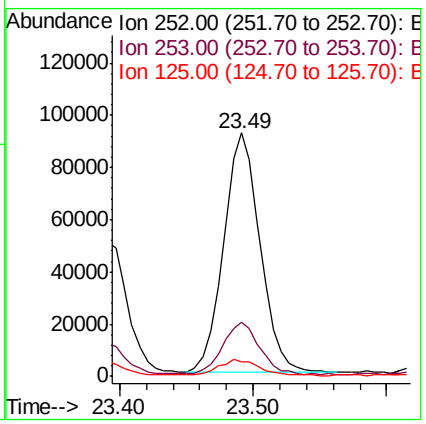


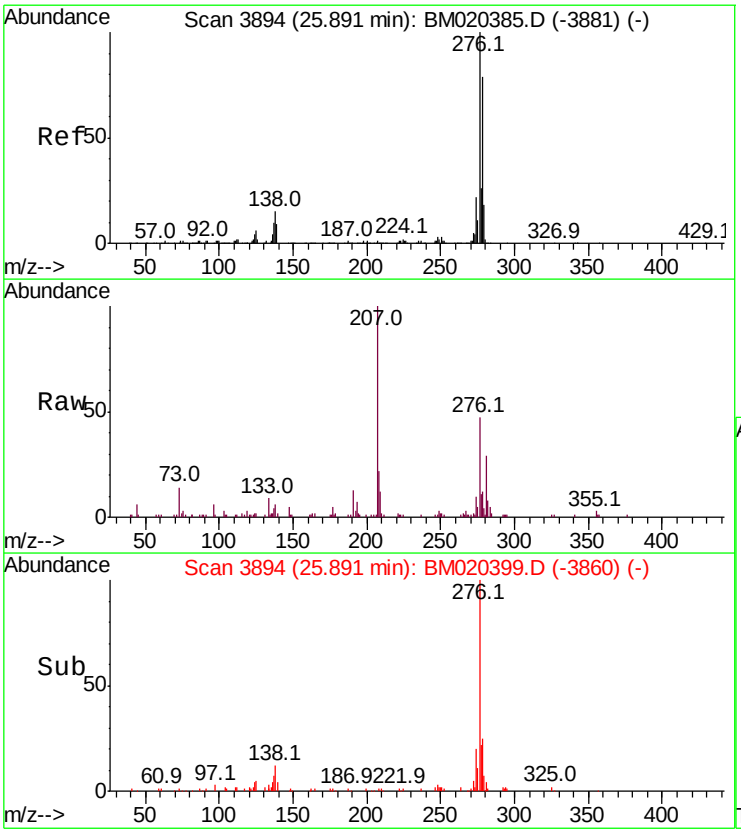
#90
Benzo(a)pyrene
Concen: 7.878 ng/ul
RT: 23.49 min Scan# 3486
Delta R.T. -0.00 min
Lab File: BM020399.D
Acq: 18 May 2019 13:00

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:252 Resp: 174438

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.2
125	6.1	5.4	8.2

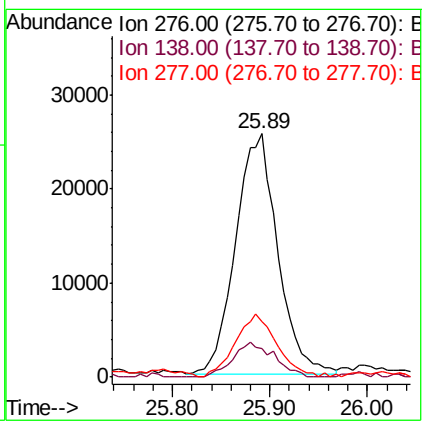


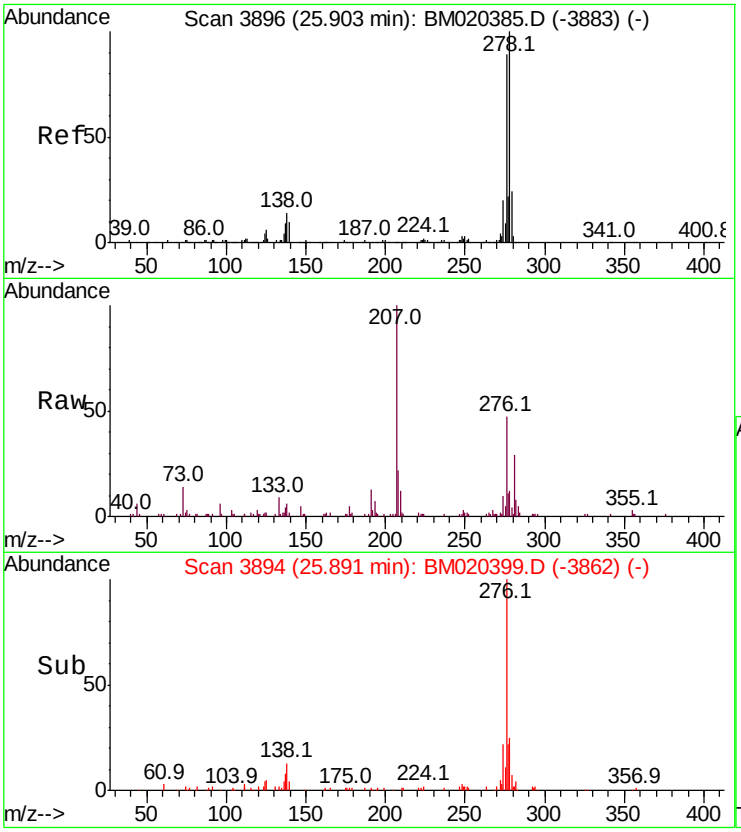


#91
Indeno(1,2,3-cd)pyrene
Concen: 3.037 ng/ul
RT: 25.89 min Scan# 3894
Delta R.T. -0.00 min
Lab File: BM020399.D
Acq: 18 May 2019 13:00

Tgt Ion:276 Resp: 76635

Ion	Ratio	Lower	Upper
276	100		
138	11.7	12.3	18.5#
277	22.7	20.0	30.0



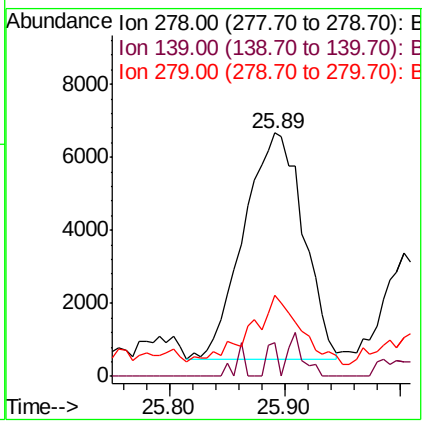


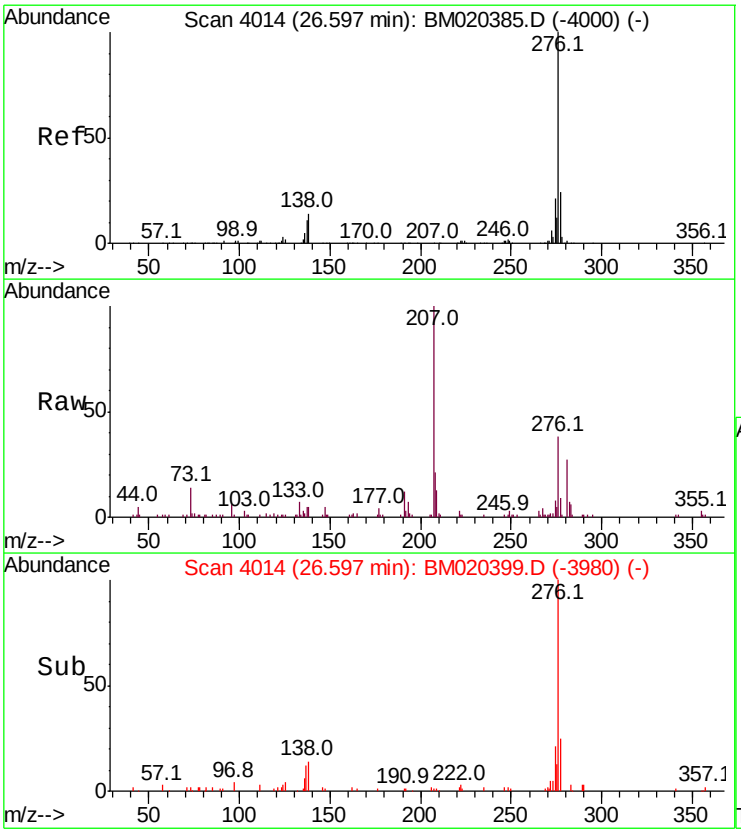
#92
Dibenzo(a,h)anthracene
Concen: 1.037 ng/ul
RT: 25.89 min Scan# 3894
Delta R.T. -0.01 min
Lab File: BM020399.D
Acq: 18 May 2019 13:00

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:278 Resp: 22384

Ion	Ratio	Lower	Upper
278	100		
139	13.8	8.1	12.1#
279	33.2	18.7	28.1#





#93
Benzo(g,h,i)perylene
Concen: 3.427 ng/ul
RT: 26.60 min Scan# 4014
Delta R.T. -0.00 min
Lab File: BM020399.D
Acq: 18 May 2019 13:00

Tgt Ion:276 Resp: 71582

Ion	Ratio	Lower	Upper
276	100		
138	14.2	10.0	15.0
277	24.3	18.2	27.4