Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082619\
Data File : BM022360.D
Acq On : 27 Aug 2019 10:05
Operator : HP/JU
Sample : K4414-06
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId :

Quant Time: Aug 27 17:07:59 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 27 17:04:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	35394	20.00	ng/ul	0.00
18) Naphthalene-d8	10.40	136	289570	20.00	ng/ul	0.07
35) Acenaphthene-d10	14.20	164	116537	20.00	ng/ul	-0.01
61) Phenanthrene-d10	16.96	188	244975	20.00	ng/ul	-0.01
77) Chrysene-d12	21.17	240	190516	20.00	ng/ul	0.00
85) Perylene-d12	23.37	264	203273	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.13	96	4699	5.94	ng/uL	0.00
5) Phenol-d5	6.76	99	31667	10.37	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	6.90	67	68804	38.72	ng/ul	0.00
9) 2-Chlorophenol-d4	7.09	132	82344	33.39	ng/ul	0.00
13) 4-Methylphenol-d8	8.27	113	41400	15.64	ng/ul	0.00
19) Nitrobenzene-d5	8.72	128	52209	24.18	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	62908	25.03	ng/ul	0.01
26) 2,4-Dichlorophenol-d3	10.00	165	115492	22.58	ng/ul	0.04
29) 4-Chloroaniline-d4	10.59	131	4945	0.79	ng/ul	0.09
43) Dimethylphthalate-d6	13.63	166	421844	41.10	ng/ul	0.00
46) Acenaphthylene-d8	13.90	160	457629	41.40	ng/ul	0.00
51) 4-Nitrophenol-d4	14.42	143	2239	1.47	ng/ul	-0.05
57) Fluorene-d10	15.20	176	362870	42.64	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	63808	33.75	ng/ul	0.00
70) Anthracene-d10	17.06	188	573229	44.19	ng/ul	-0.01
78) Pyrene-d10	19.37	212	591637	59.75	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.23	264	487484	43.65	ng/ul	0.00
Target Compounds						Qvalue
4) Benzaldehyde	6.76	77	71733	40.797	ng/ul#	1
6) Phenol	6.77	94	13875	4.242	ng/ul#	27
11) 2-Methylphenol	8.01	108	122810	47.678	ng/ul	85
14) Acetophenone	8.39	105	81402	17.786	ng/ul#	85
16) 4-Methylphenol	8.33	108	70405	24.860	ng/ul	87
17) Hexachloroethane	8.62	117	47502	37.842	ng/ul#	1
20) Nitrobenzene	8.79	77	13383	2.105	ng/ul#	18
21) Isophorone	9.32	82	2013862	173.787	ng/ul	95
24) 2,4-Dimethylphenol	9.58	107	43017	6.646	ng/ul	91
30) 4-Chloroaniline	10.49	127	12942308	1998.499	ng/ul#	14
34) 2-Methylnaphthalene	12.02	142	6545937	531.651	ng/ul	96
40) 1,1'-Biphenyl	13.02	154	726888	76.644	ng/ul	99
44) Dimethylphthalate	13.67	163	23576	2.258	ng/ul	99
47) Acenaphthylene	13.93	152	1907084	166.376	ng/ul	99
49) Acenaphthene	14.26	153	157378	19.338	ng/ul	99
53) Dibenzofuran	14.60	168	34786	2.870	ng/ul	96
58) Fluorene	15.26	166	633235	62.027	ng/ul	99
68) Pentachlorophenol	16.63	266	4329	1.834	ng/ul	94
69) Phenanthrene	17.01	178	1813572	123.747	ng/ul	100
71) Anthracene	17.10	178	151933	9.962	ng/ul	99
74) Carbazole	17.39	167	38614	2.803	ng/ul	98
76) Fluoranthene	19.03	202	224859	10.181	ng/ul	99
79) Pyrene	19.40	202	302258	24.511	ng/ul	96

Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082619\
Data File : BM022360.D
Acq On : 27 Aug 2019 10:05
Operator : HP/JU
Sample : K4414-06
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :

Quant Time: Aug 27 17:07:59 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM082219MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 27 17:04:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) Benzo(a)anthracene	21.16	228	51419	3.586	ng/ul#	88
84) Chrysene	21.21	228	43629	3.254	ng/ul	96
87) Benzo(b)fluoranthene	22.72	252	49693	3.514	ng/ul#	98
88) Benzo(k)fluoranthene	22.72	252	47611	3.472	ng/ul#	98
90) Benzo(a)pyrene	23.27	252	44921	3.333	ng/ul	97
91) Indeno(1,2,3-cd)pyrene	25.56	276	21223	1.356	ng/ul#	94
93) Benzo(g,h,i)perylene	26.23	276	27324	2.288	ng/ul	95

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

Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM082619\
Data File : BM022360.D
Acq On : 27 Aug 2019 10:05
Operator : HP/JU
Sample : K4414-06
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :

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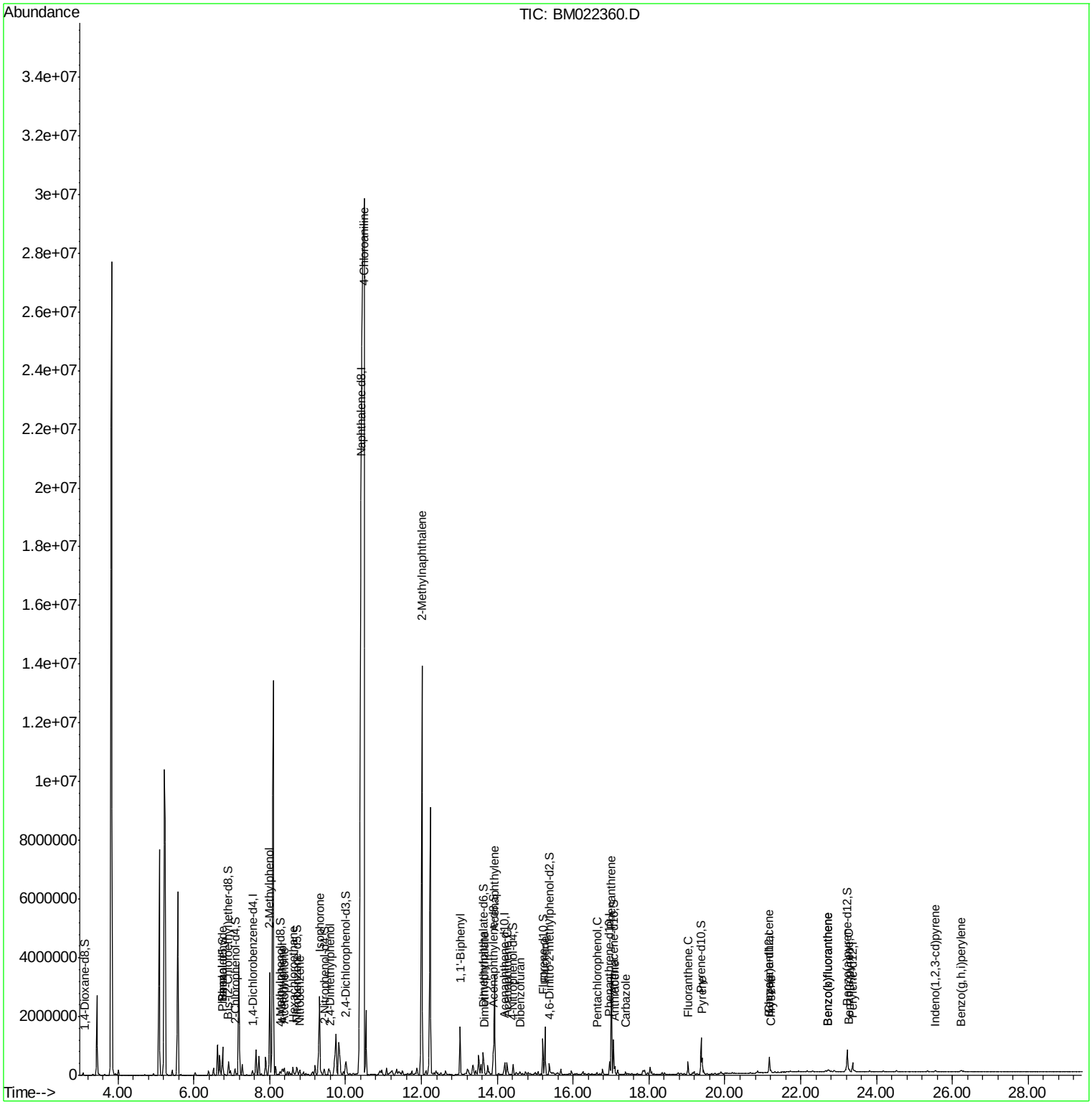
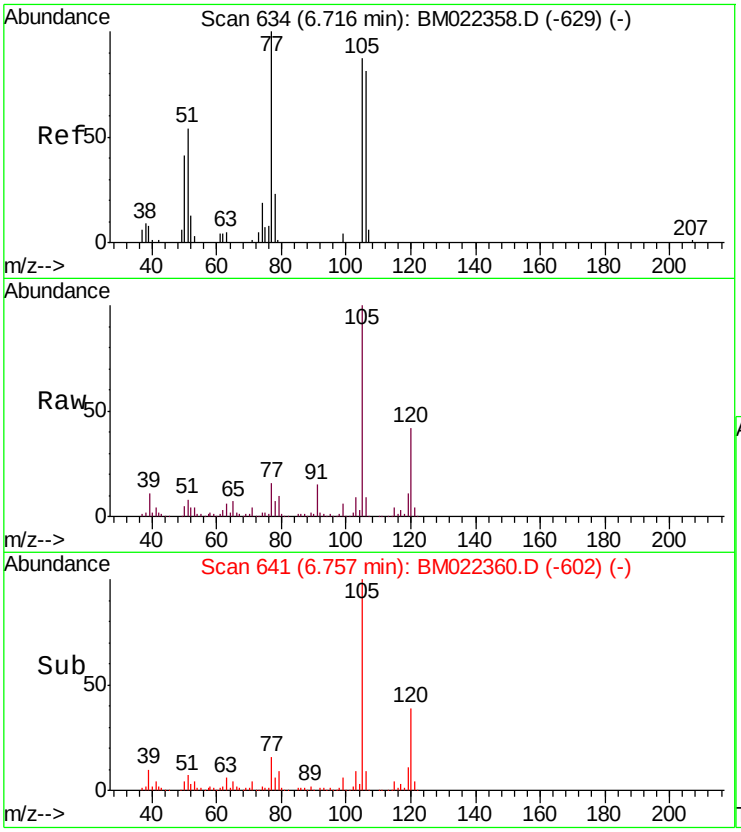
Quant Title : SVOA CALIBRATION
QLast Update : Tue Aug 27 17:04:34 2019
Response via : Initial Calibration



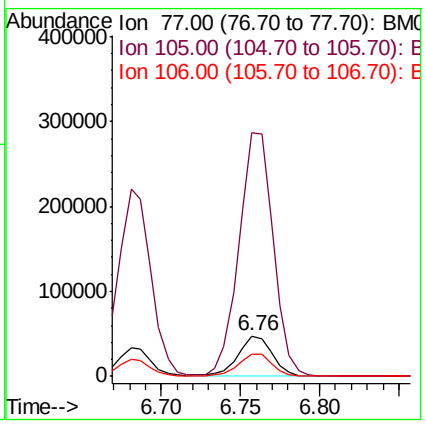


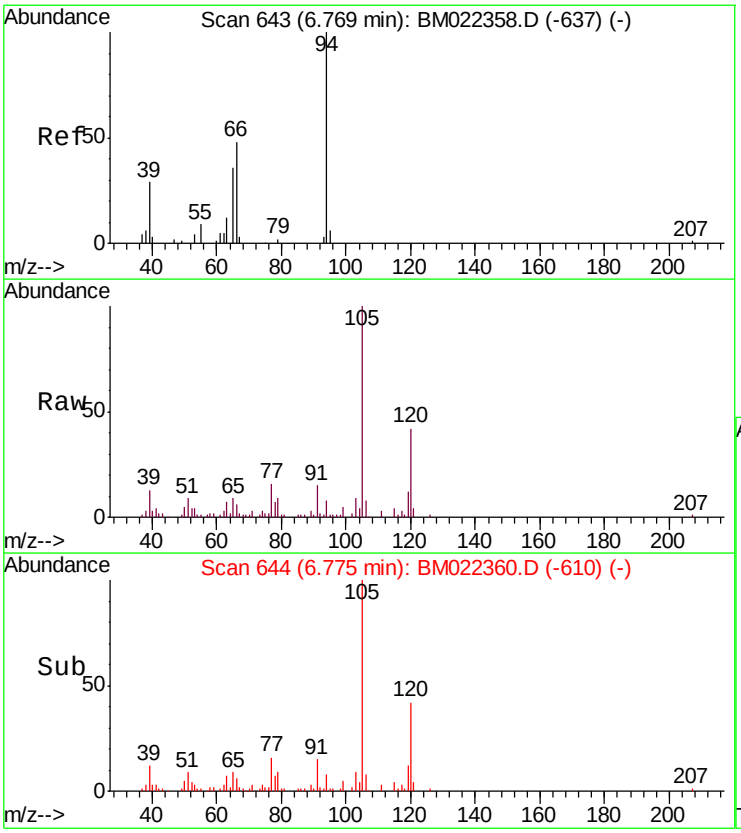
#4
Benzaldehyde
Concen: 40.797 ng/ul
RT: 6.76 min Scan# 641
Delta R.T. 0.03 min
Lab File: BM022360.D
Acq: 27 Aug 2019 10:05

Instrument :
BNA_M
ClientSampleId :

Tgt Ion: 77 Resp: 71733

Ion	Ratio	Lower	Upper
77	100		
105	606.2	71.7	107.5#
106	55.1	71.7	107.5#

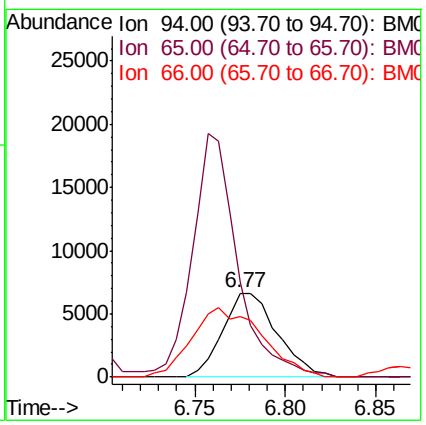


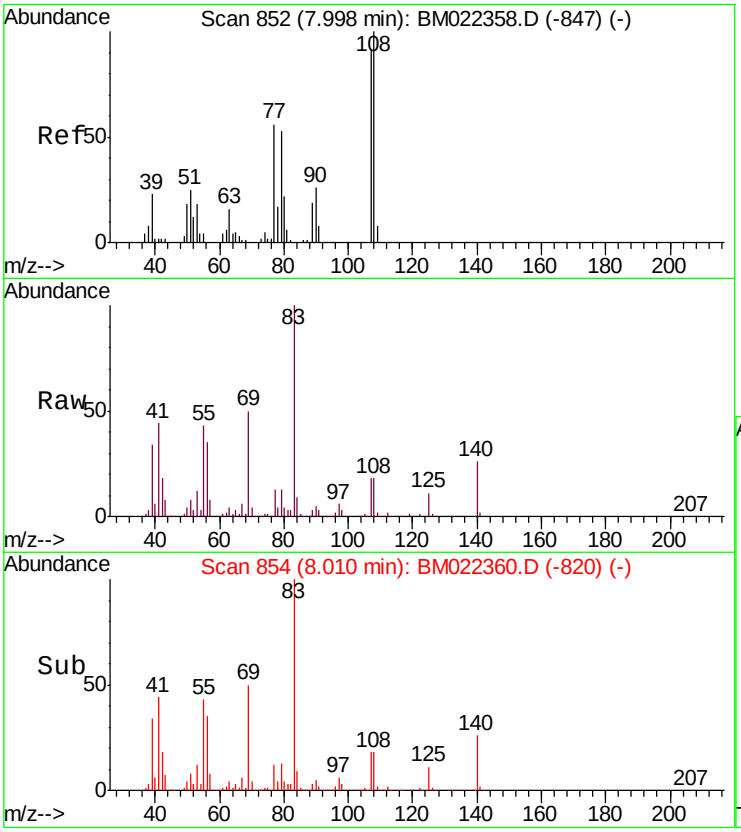


#6
Phenol
Concen: 4.242 ng/ul
RT: 6.77 min Scan# 644
Delta R.T. 0.00 min
Lab File: BM022360.D
Acq: 27 Aug 2019 10:05

Tgt Ion: 94 Resp: 13875

Ion	Ratio	Lower	Upper
94	100		
65	114.1	29.2	43.8#
66	72.0	40.6	60.8#



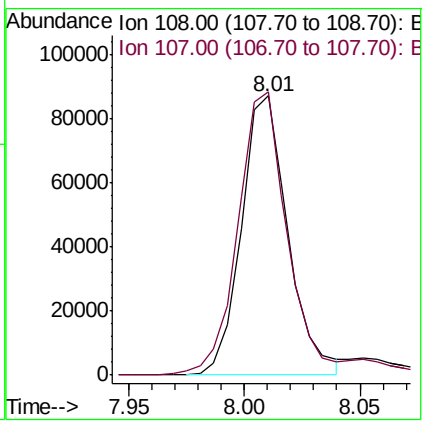


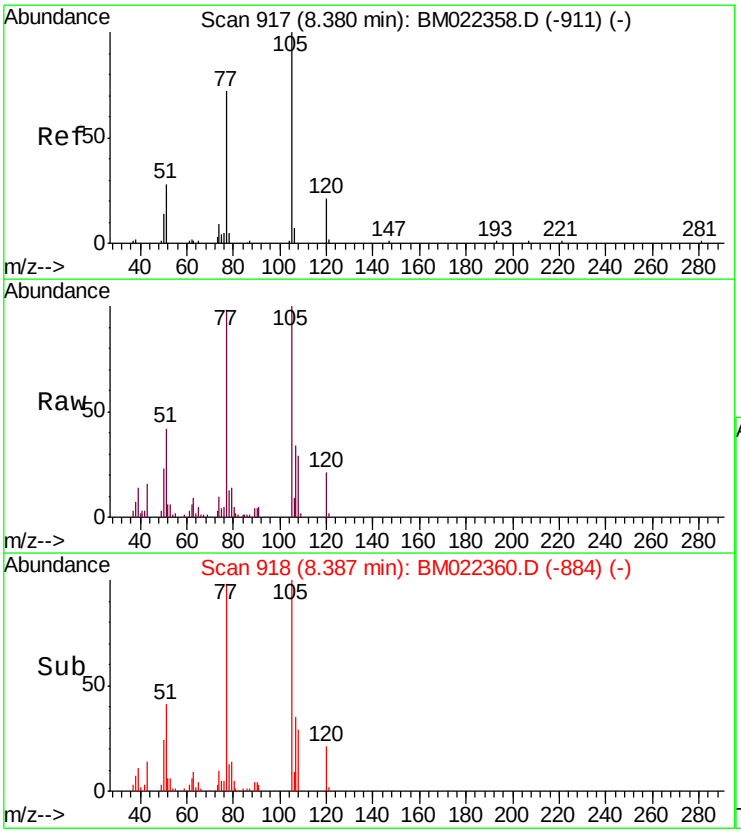
#11
2-Methylphenol
Concen: 47.678 ng/ul
RT: 8.01 min Scan# 854
Delta R.T. 0.00 min
Lab File: BM022360.D
Acq: 27 Aug 2019 10:05

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:108 Resp: 122810

Ion	Ratio	Lower	Upper
108	100		
107	101.3	70.1	105.1

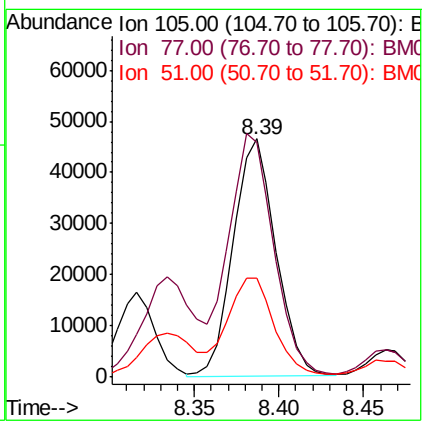


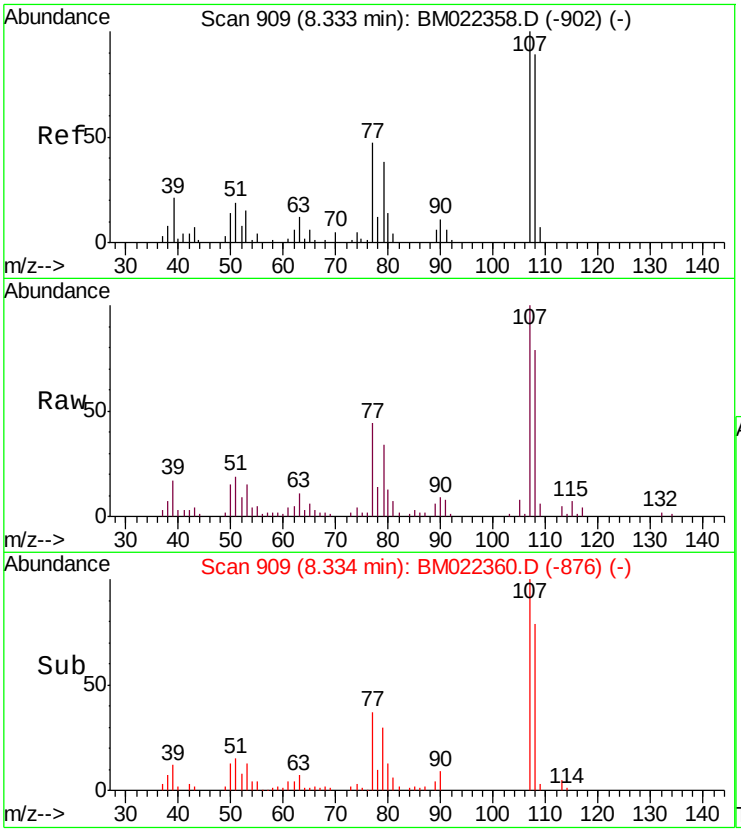


#14
Acetophenone
Concen: 17.786 ng/ul
RT: 8.39 min Scan# 918
Delta R.T. 0.00 min
Lab File: BM022360.D
Acq: 27 Aug 2019 10:05

Tgt Ion:105 Resp: 81402

Ion	Ratio	Lower	Upper
105	100		
77	98.3	68.4	102.6
51	41.7	25.0	37.4#



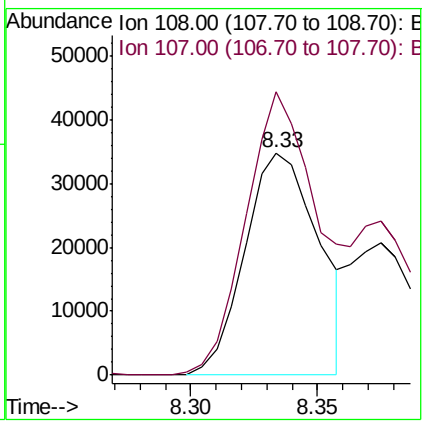


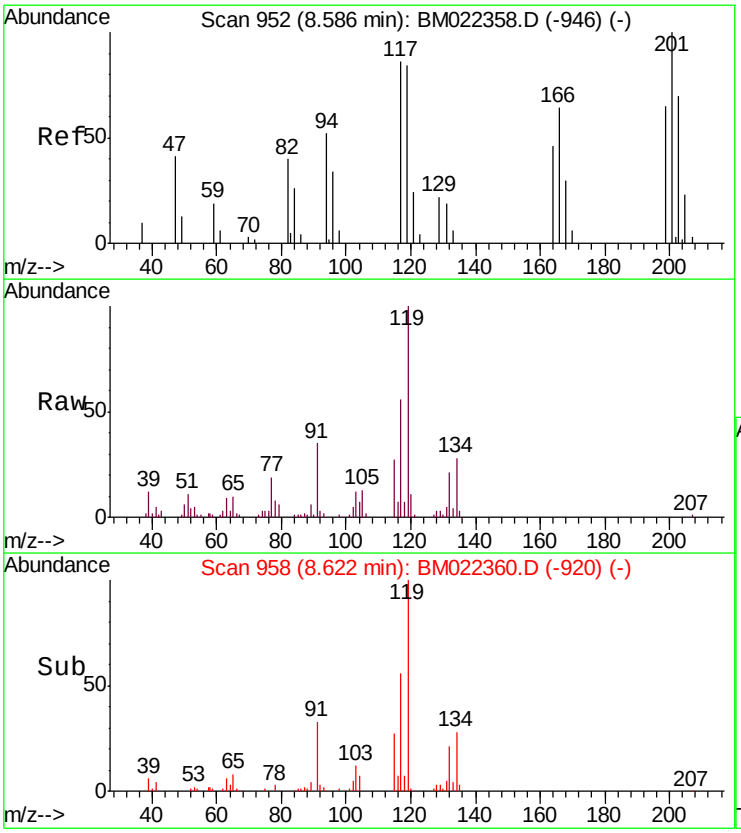
#16
4-Methylphenol
Concen: 24.860 ng/ul
RT: 8.33 min Scan# 909
Delta R.T. -0.01 min
Lab File: BM022360.D
Acq: 27 Aug 2019 10:05

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:108 Resp: 70405

Ion	Ratio	Lower	Upper
108	100		
107	127.2	90.8	136.2

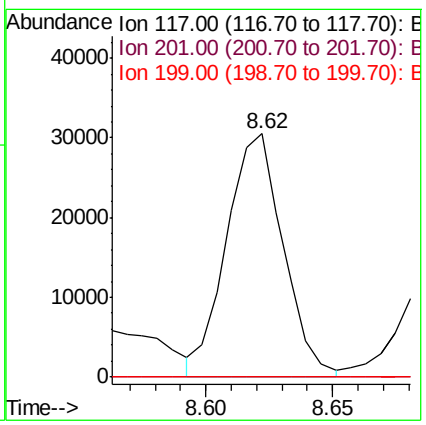


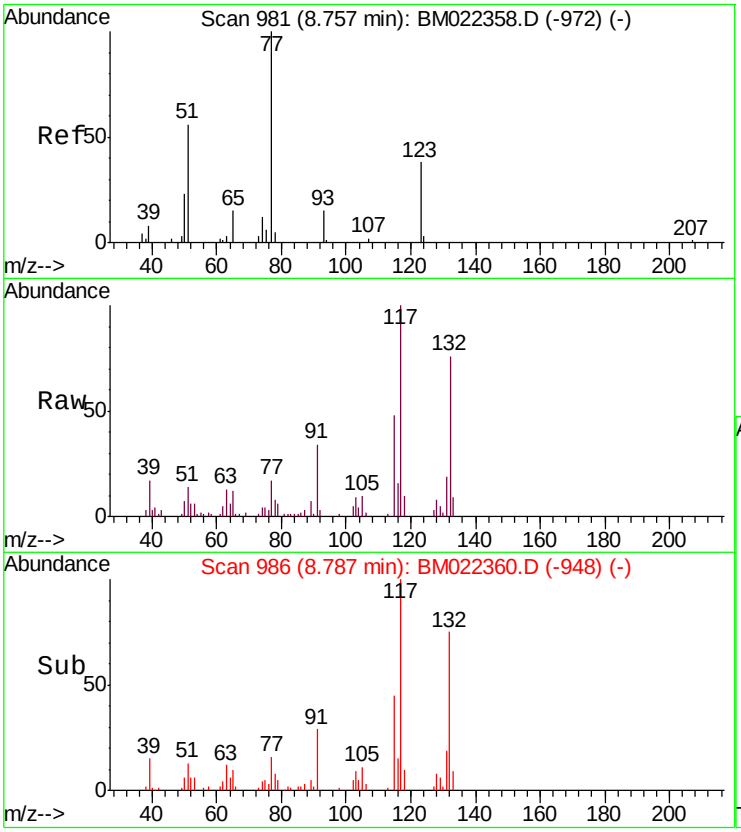


#17
Hexachloroethane
Concen: 37.842 ng/ul
RT: 8.62 min Scan# 958
Delta R.T. 0.02 min
Lab File: BM022360.D
Acq: 27 Aug 2019 10:05

Tgt Ion:117 Resp: 47502

Ion	Ratio	Lower	Upper
117	100		
201	0.0	95.9	143.9#
199	0.0	60.6	90.8#



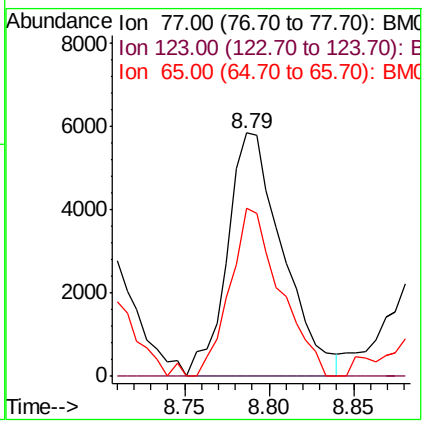


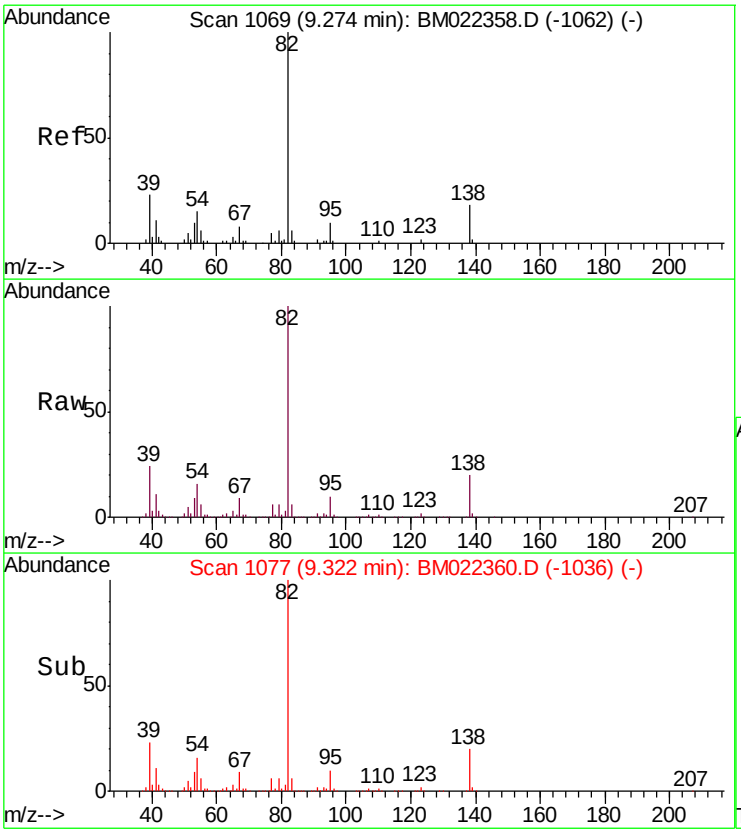
#20
Nitrobenzene
Concen: 2.105 ng/ul
RT: 8.79 min Scan# 986
Delta R.T. 0.02 min
Lab File: BM022360.D
Acq: 27 Aug 2019 10:05

Instrument :
BNA_M
ClientSampleId :

Tgt Ion: 77 Resp: 13383

Ion	Ratio	Lower	Upper
77	100		
123	0.0	31.0	46.4#
65	68.9	12.2	18.2#

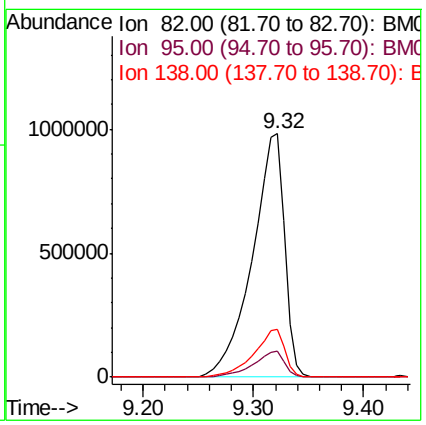


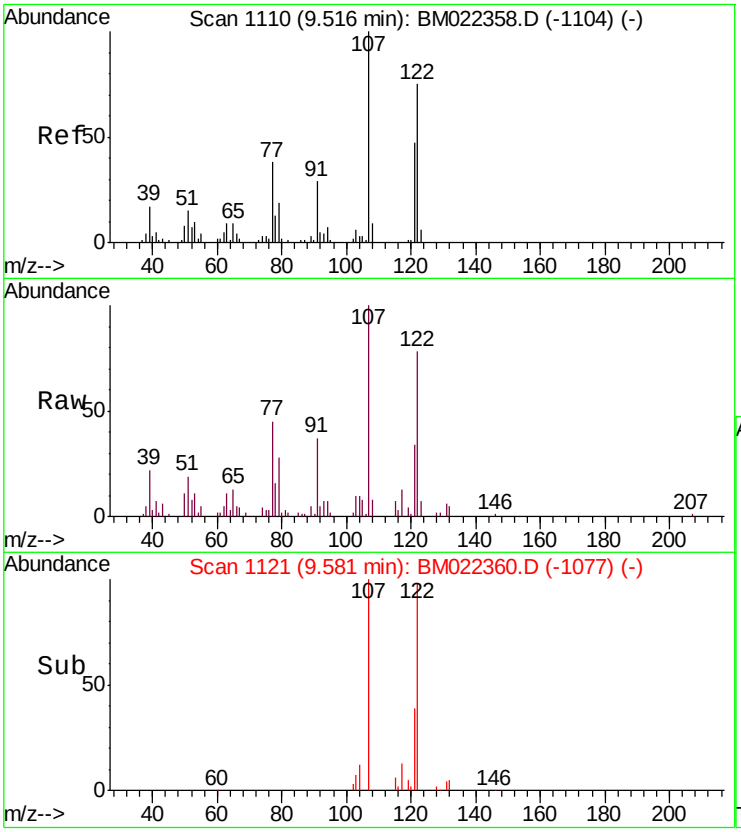


#21
Isophorone
Concen: 173.787 ng/ul
RT: 9.32 min Scan# 1077
Delta R.T. 0.04 min
Lab File: BM022360.D
Acq: 27 Aug 2019 10:05

Tgt Ion: 82 Resp: 2013862

Ion	Ratio	Lower	Upper
82	100		
95	10.5	7.2	10.8
138	19.5	13.8	20.6



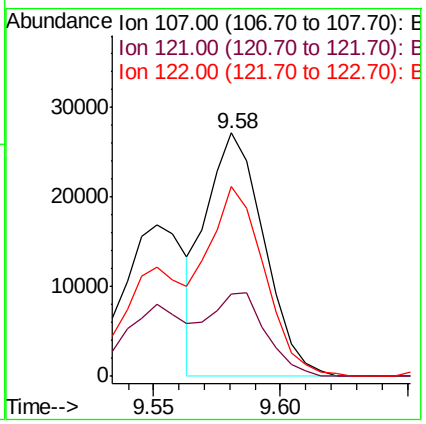


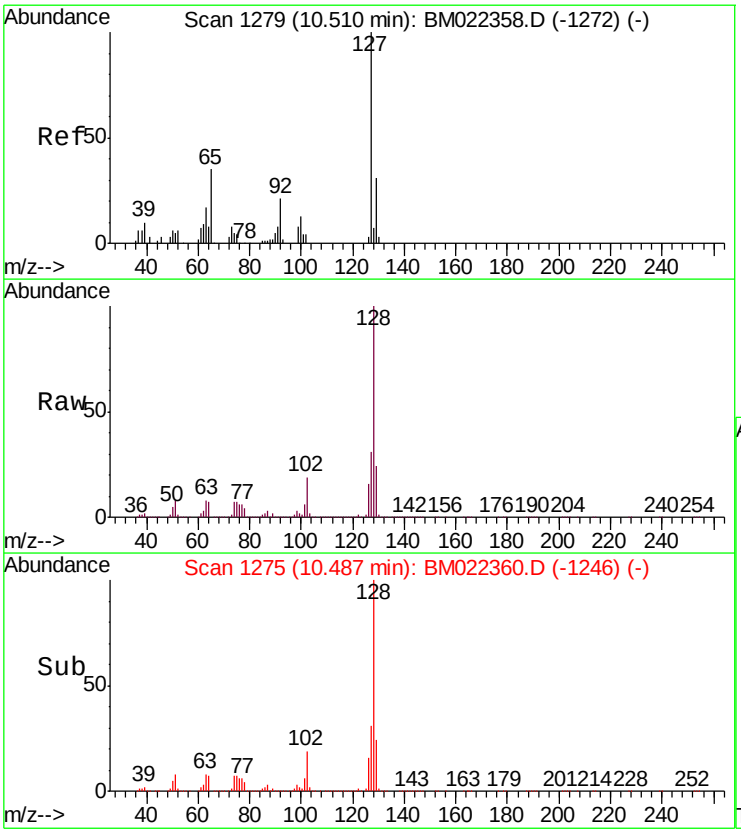
#24
2,4-Dimethylphenol
Concen: 6.646 ng/ul
RT: 9.58 min Scan# 1121
Delta R.T. 0.06 min
Lab File: BM022360.D
Acq: 27 Aug 2019 10:05

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:107 Resp: 43017

Ion	Ratio	Lower	Upper
107	100		
121	33.7	33.6	50.4
122	78.1	58.0	87.0

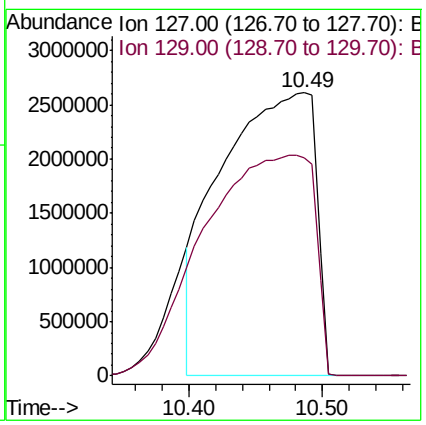


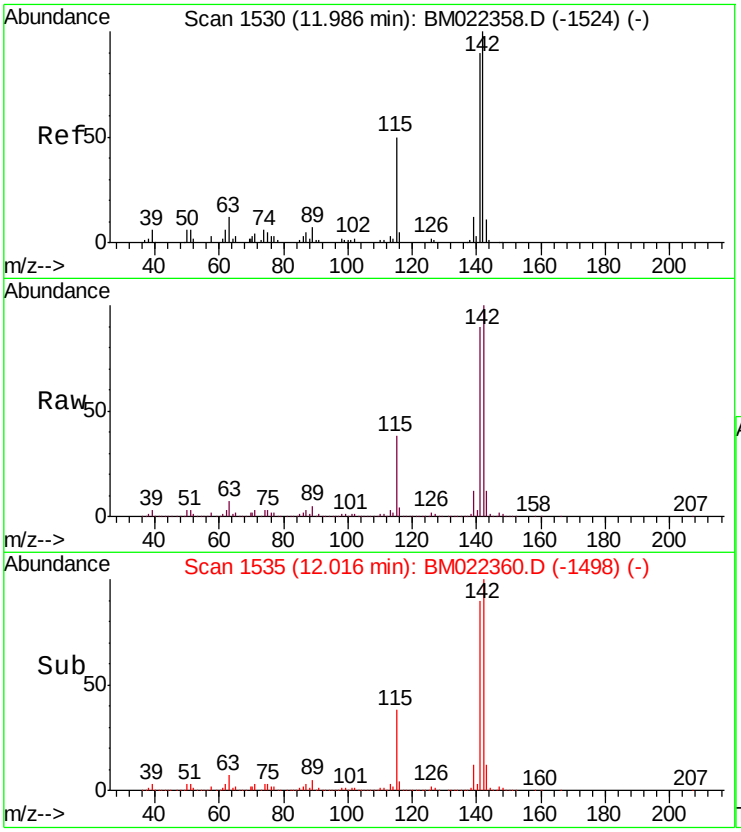


#30
4-Chloroaniline
Concen: 1998.499 ng/ul
RT: 10.49 min Scan# 1275
Delta R.T. -0.03 min
Lab File: BM022360.D
Acq: 27 Aug 2019 10:05

Tgt Ion:127 Resp:12942308

Ion	Ratio	Lower	Upper
127	100		
129	77.2	24.2	36.4#



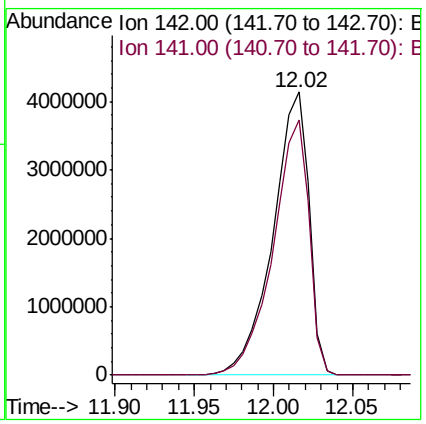


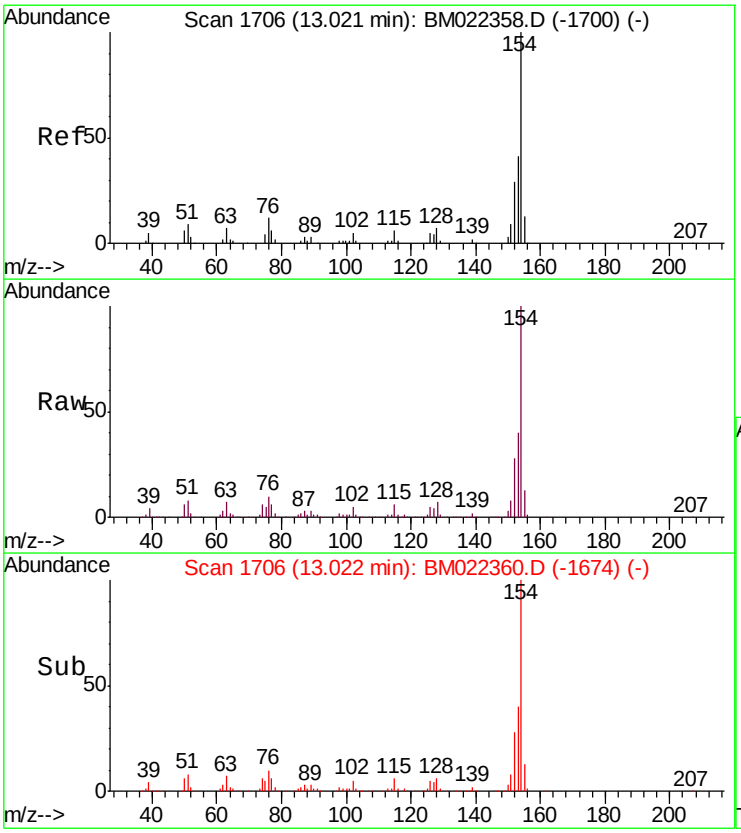
#34
2-Methylnaphthalene
Concen: 531.651 ng/ul
RT: 12.02 min Scan# 1535
Delta R.T. 0.02 min
Lab File: BM022360.D
Acq: 27 Aug 2019 10:05

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:142 Resp: 6545937

Ion	Ratio	Lower	Upper
142	100		
141	90.2	75.1	112.7

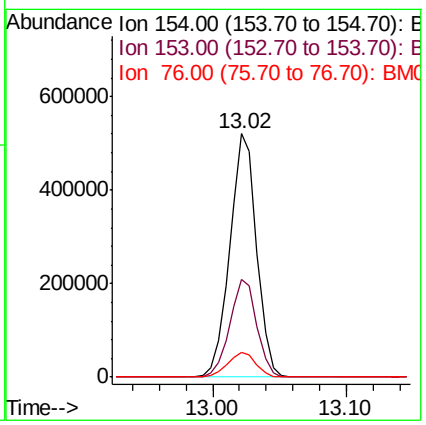


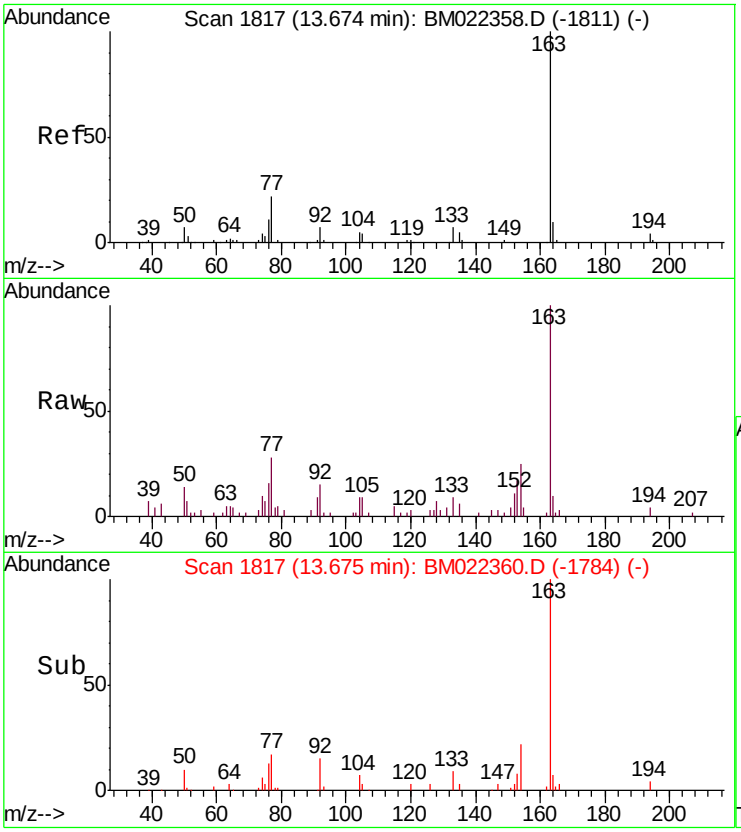


#40
1,1'-Biphenyl
Concen: 76.644 ng/ul
RT: 13.02 min Scan# 1706
Delta R.T. -0.01 min
Lab File: BM022360.D
Acq: 27 Aug 2019 10:05

Tgt Ion:154 Resp: 726888

Ion	Ratio	Lower	Upper
154	100		
153	40.4	32.5	48.7
76	10.2	9.2	13.8



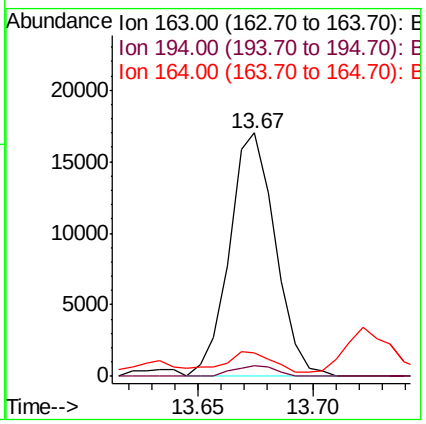


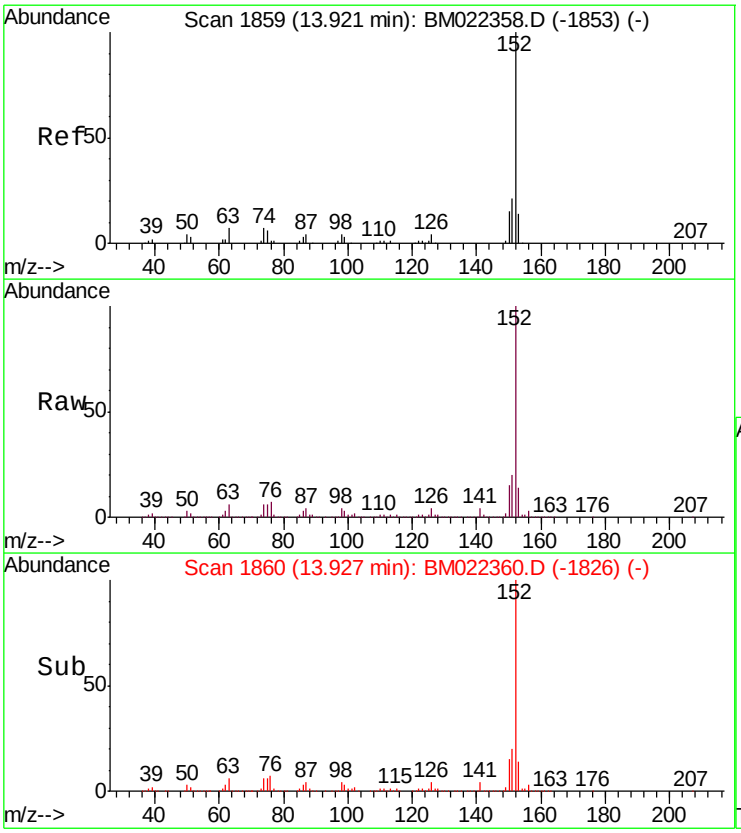
#44
Dimethylphthalate
Concen: 2.258 ng/ul
RT: 13.67 min Scan# 1817
Delta R.T. -0.01 min
Lab File: BM022360.D
Acq: 27 Aug 2019 10:05

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:163 Resp: 23576

Ion	Ratio	Lower	Upper
163	100		
194	4.4	3.0	4.6
164	9.8	7.8	11.8

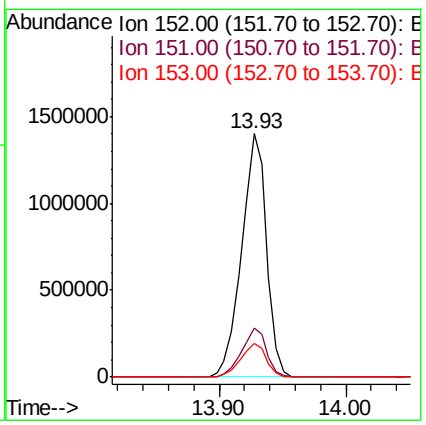


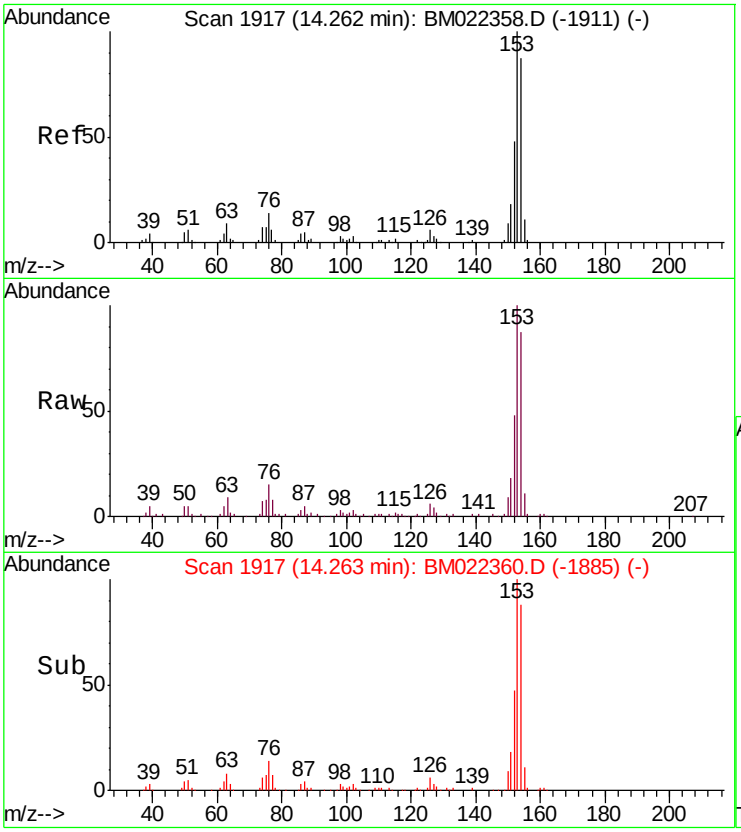


#47
Acenaphthylene
Concen: 166.376 ng/ul
RT: 13.93 min Scan# 1860
Delta R.T. 0.00 min
Lab File: BM022360.D
Acq: 27 Aug 2019 10:05

Tgt Ion:152 Resp: 1907084

Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.0	24.0
153	13.8	10.4	15.6



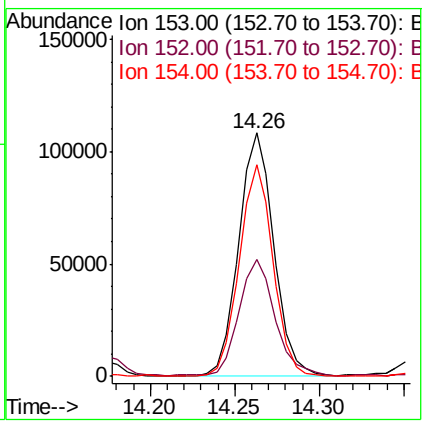


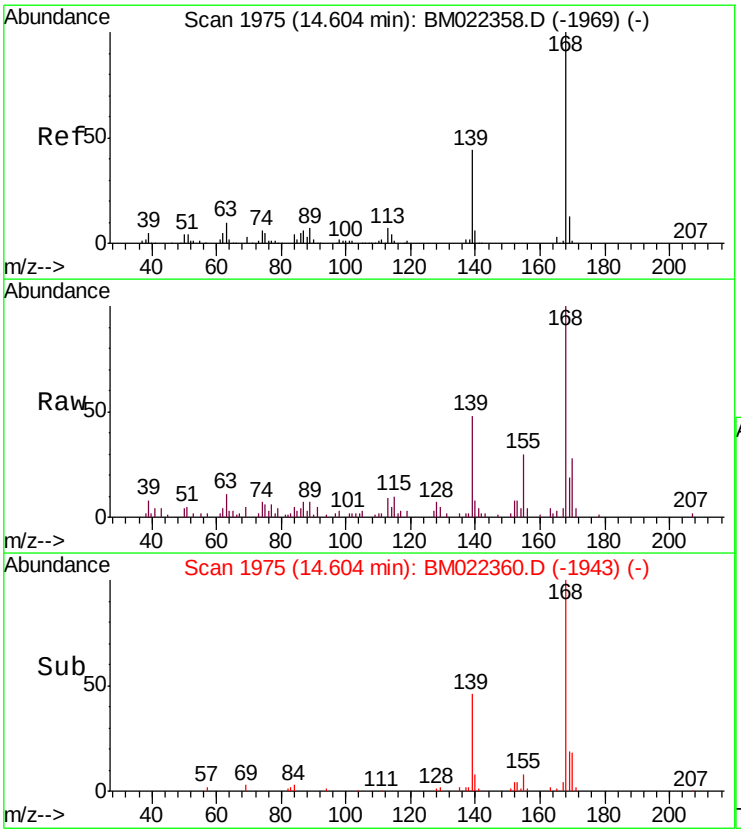
#49
Acenaphthene
Concen: 19.338 ng/ul
RT: 14.26 min Scan# 1917
Delta R.T. -0.01 min
Lab File: BM022360.D
Acq: 27 Aug 2019 10:05

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:153 Resp: 157378

Ion	Ratio	Lower	Upper
153	100		
152	47.8	38.6	58.0
154	87.1	68.9	103.3

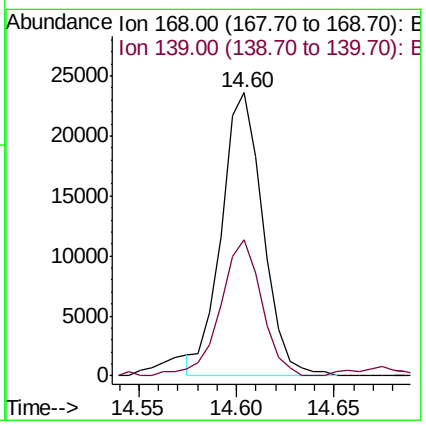


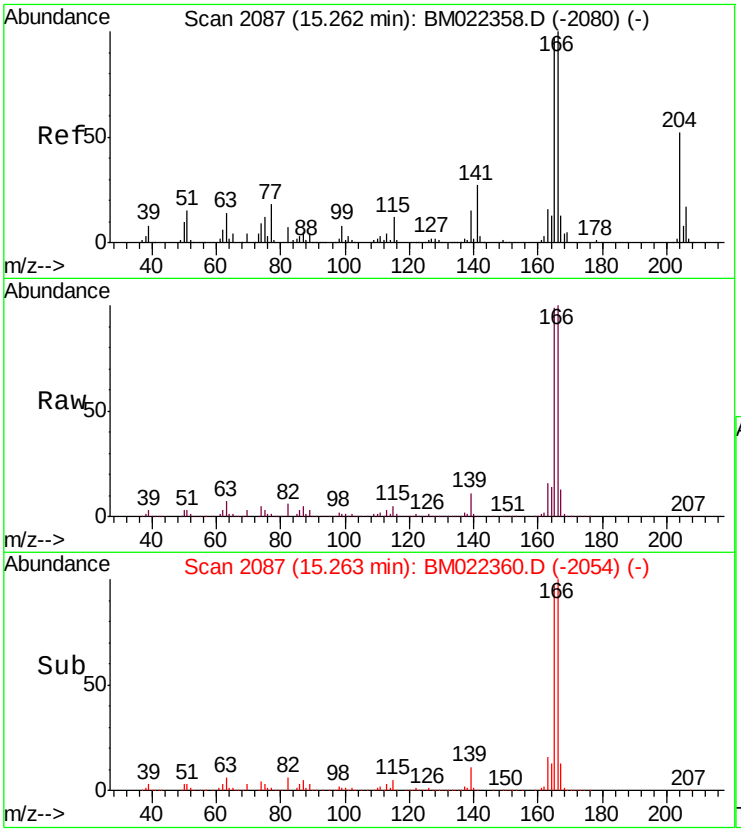


#53
Dibenzofuran
Concen: 2.870 ng/ul
RT: 14.60 min Scan# 1975
Delta R.T. -0.01 min
Lab File: BM022360.D
Acq: 27 Aug 2019 10:05

Tgt Ion:168 Resp: 34786

Ion	Ratio	Lower	Upper
168	100		
139	48.1	36.2	54.4



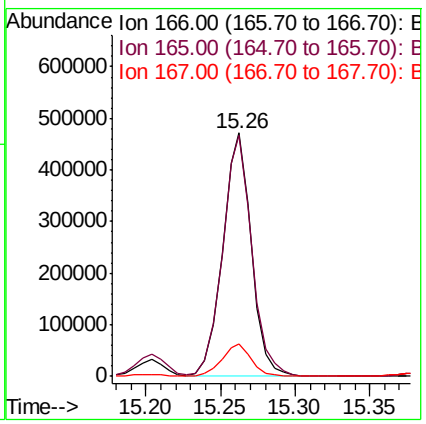


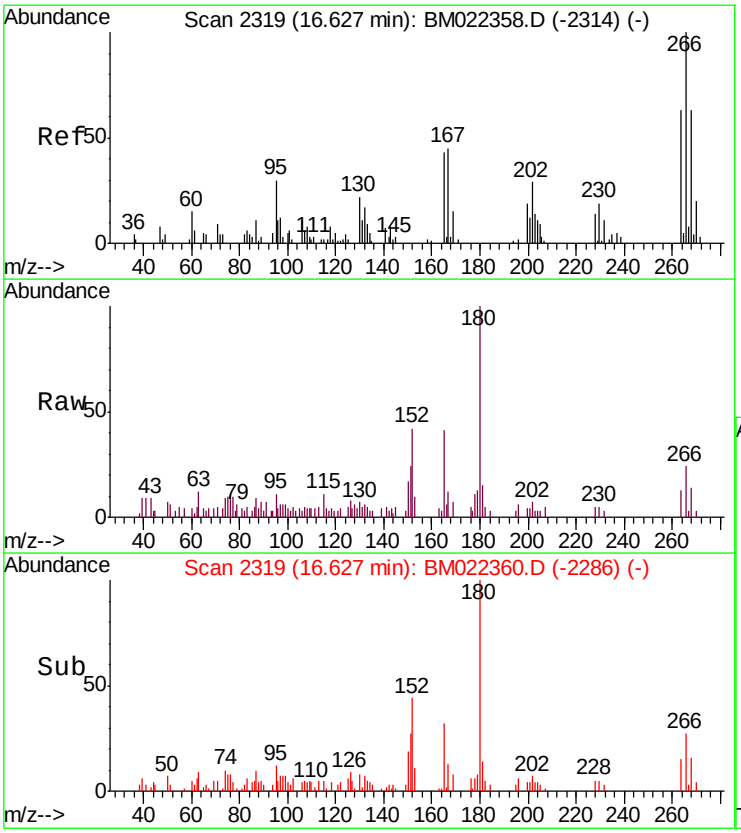
#58
Fluorene
Concen: 62.027 ng/ul
RT: 15.26 min Scan# 2087
Delta R.T. -0.01 min
Lab File: BM022360.D
Acq: 27 Aug 2019 10:05

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:166 Resp: 633235

Ion	Ratio	Lower	Upper
166	100		
165	99.2	80.2	120.2
167	13.1	11.4	17.0

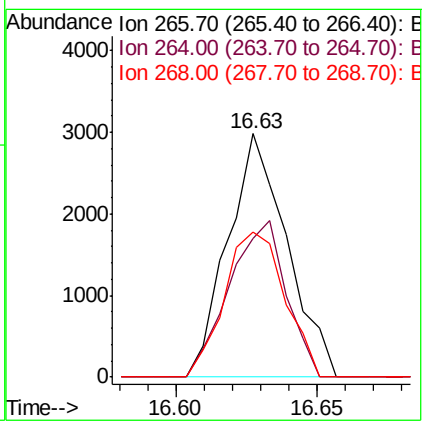


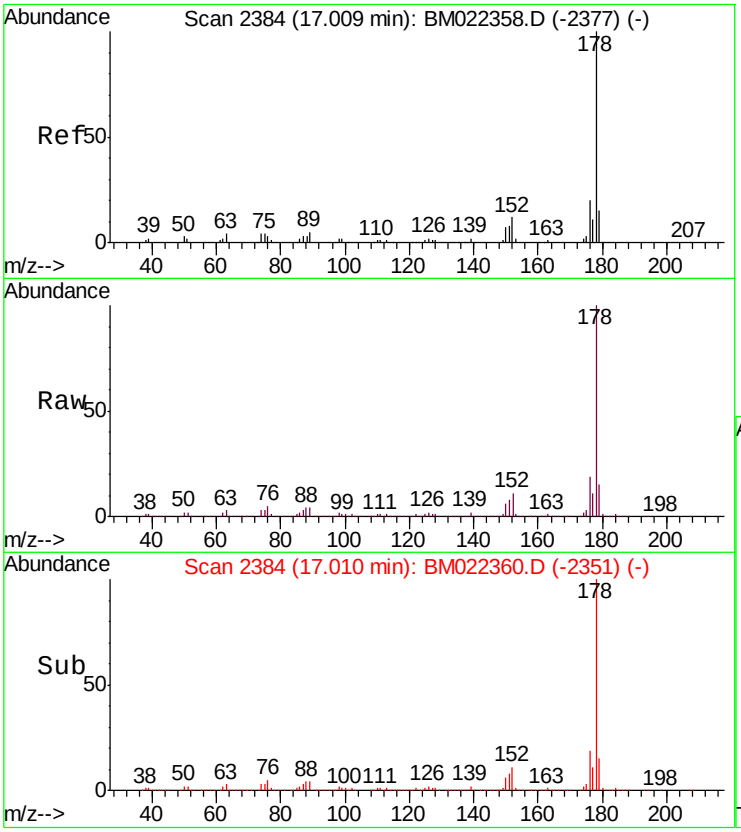


#68
Pentachlorophenol
Concen: 1.834 ng/ul
RT: 16.63 min Scan# 2319
Delta R.T. -0.01 min
Lab File: BM022360.D
Acq: 27 Aug 2019 10:05

Tgt Ion:266 Resp: 4329

Ion	Ratio	Lower	Upper
266	100		
264	57.2	51.3	76.9
268	59.5	49.4	74.2



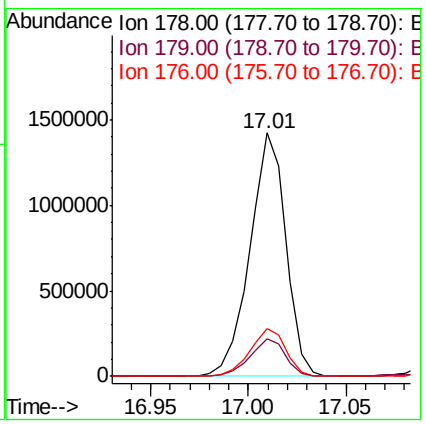


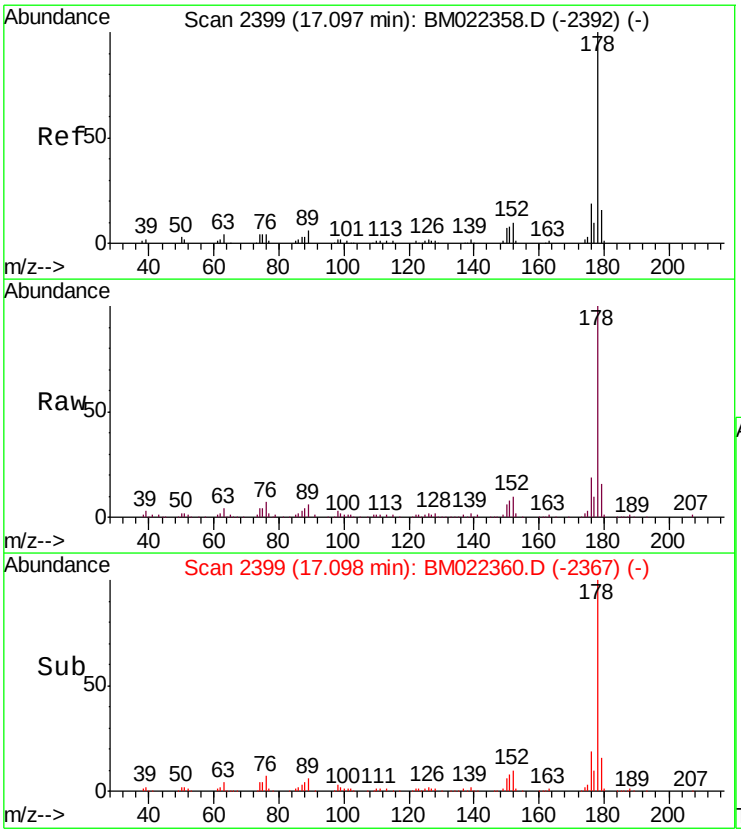
#69
Phenanthrene
Concen: 123.747 ng/ul
RT: 17.01 min Scan# 2384
Delta R.T. -0.01 min
Lab File: BM022360.D
Acq: 27 Aug 2019 10:05

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:178 Resp: 1813572

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.4	18.6
176	19.5	15.4	23.0

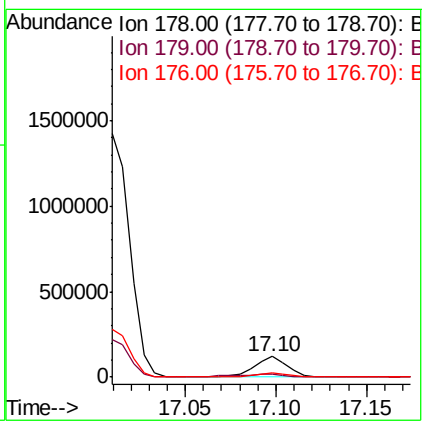


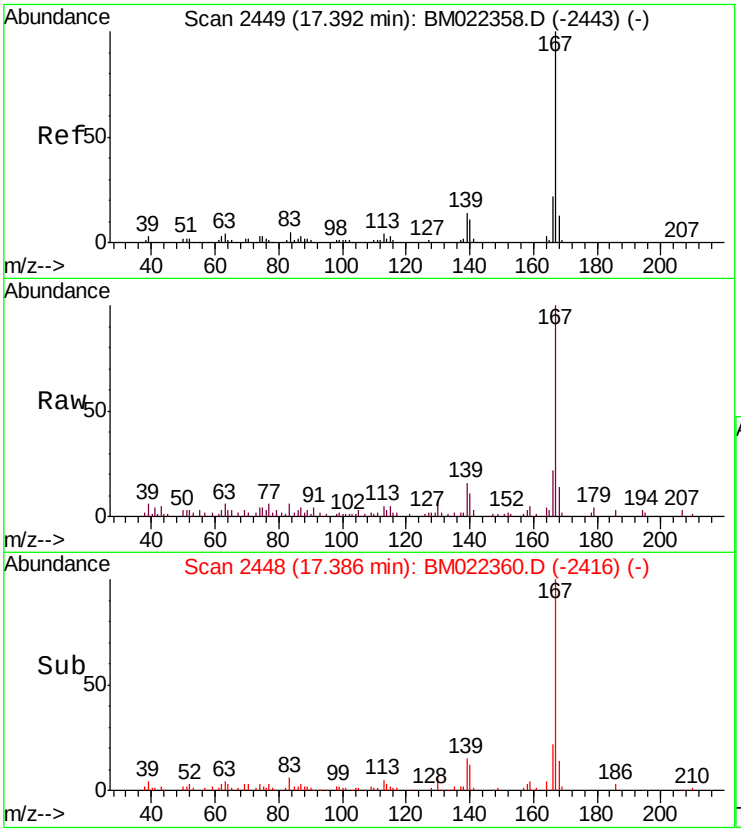


#71
Anthracene
Concen: 9.962 ng/ul
RT: 17.10 min Scan# 2399
Delta R.T. -0.01 min
Lab File: BM022360.D
Acq: 27 Aug 2019 10:05

Tgt Ion:178 Resp: 151933

Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.3	18.5
176	19.2	15.5	23.3



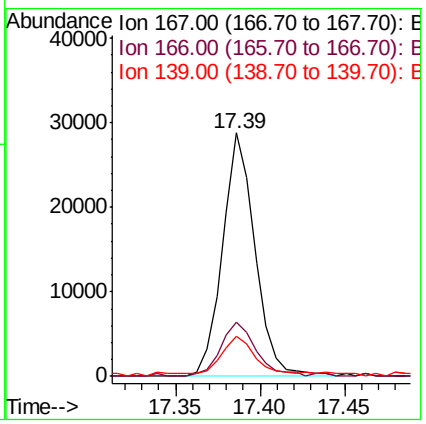


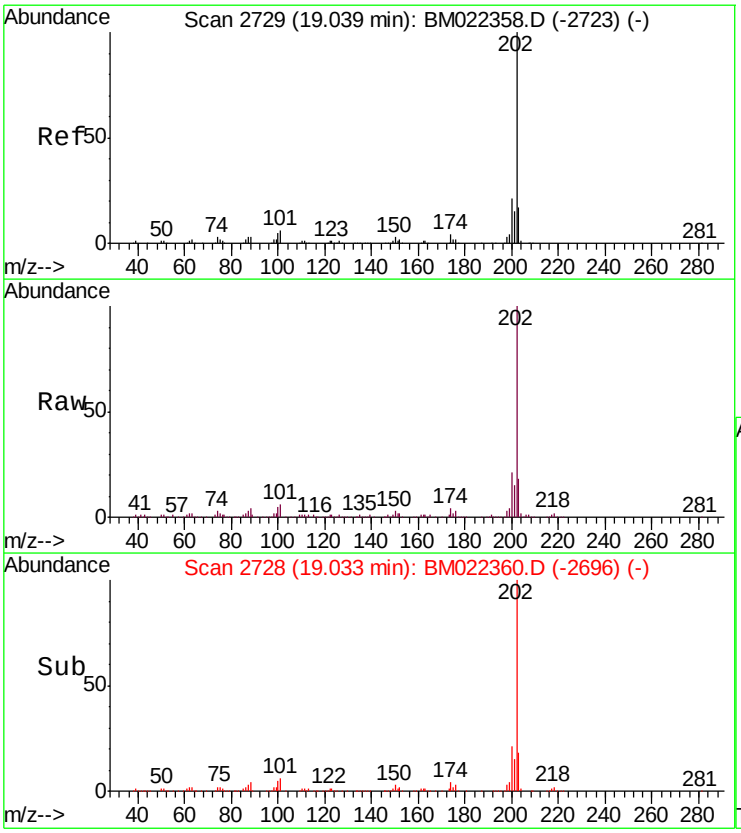
#74
Carbazole
Concen: 2.803 ng/ul
RT: 17.39 min Scan# 2448
Delta R.T. -0.01 min
Lab File: BM022360.D
Acq: 27 Aug 2019 10:05

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:167 Resp: 38614

Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.8	26.8
139	16.2	11.8	17.8

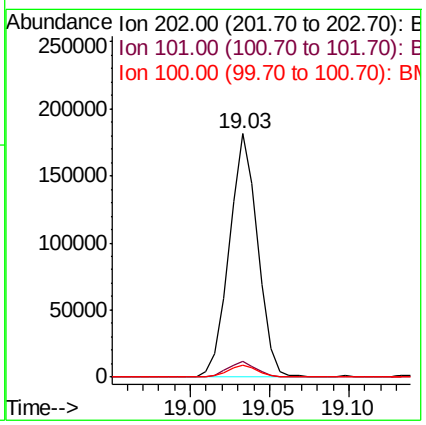


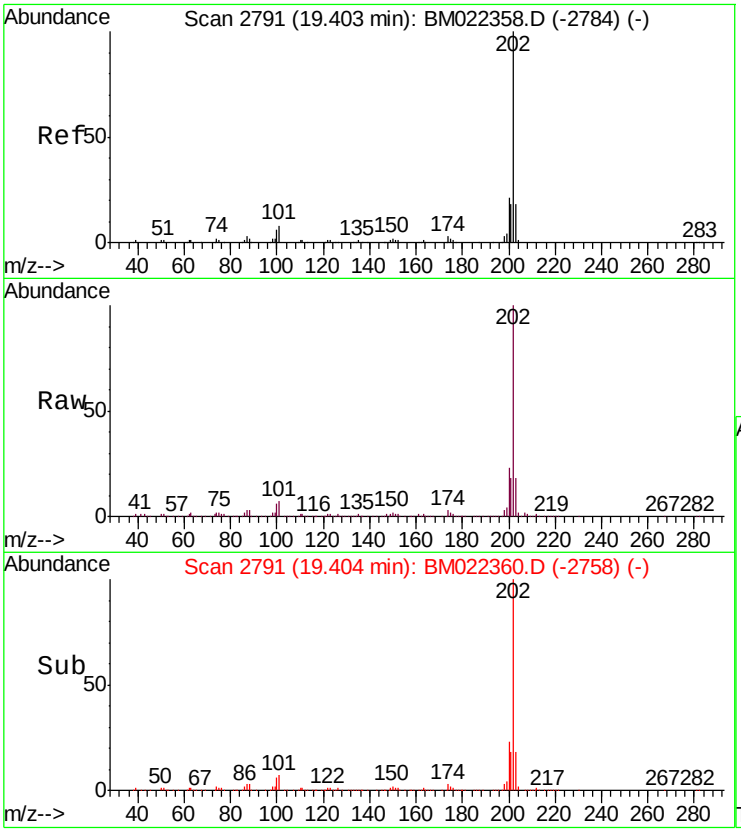


#76
Fluoranthene
Concen: 10.181 ng/ul
RT: 19.03 min Scan# 2728
Delta R.T. -0.01 min
Lab File: BM022360.D
Acq: 27 Aug 2019 10:05

Tgt Ion:202 Resp: 224859

Ion	Ratio	Lower	Upper
202	100		
101	6.5	5.3	7.9
100	5.0	4.6	6.8



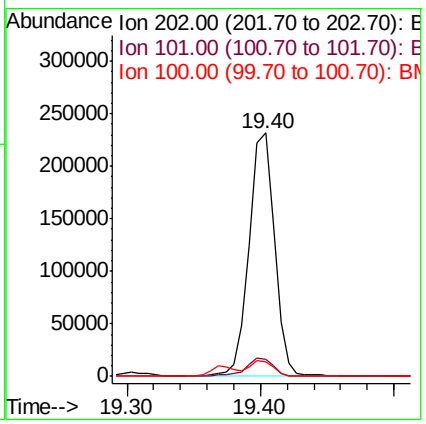


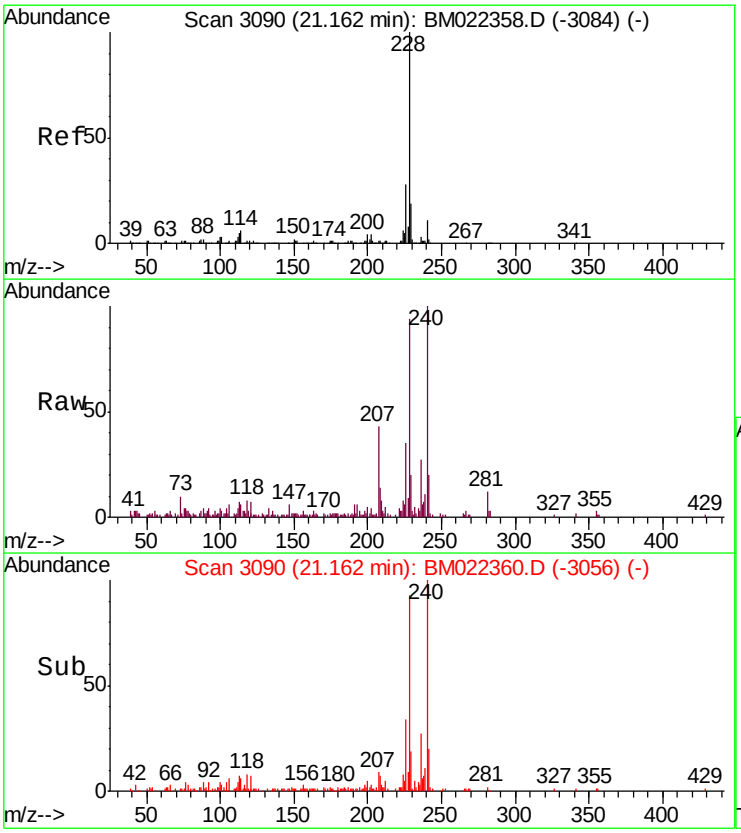
#79
Pyrene
Concen: 24.511 ng/ul
RT: 19.40 min Scan# 2791
Delta R.T. -0.01 min
Lab File: BM022360.D
Acq: 27 Aug 2019 10:05

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:202 Resp: 302258

Ion	Ratio	Lower	Upper
202	100		
101	7.1	7.0	10.4
100	6.2	5.8	8.8

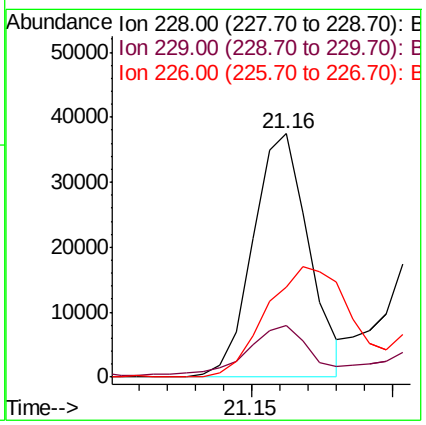


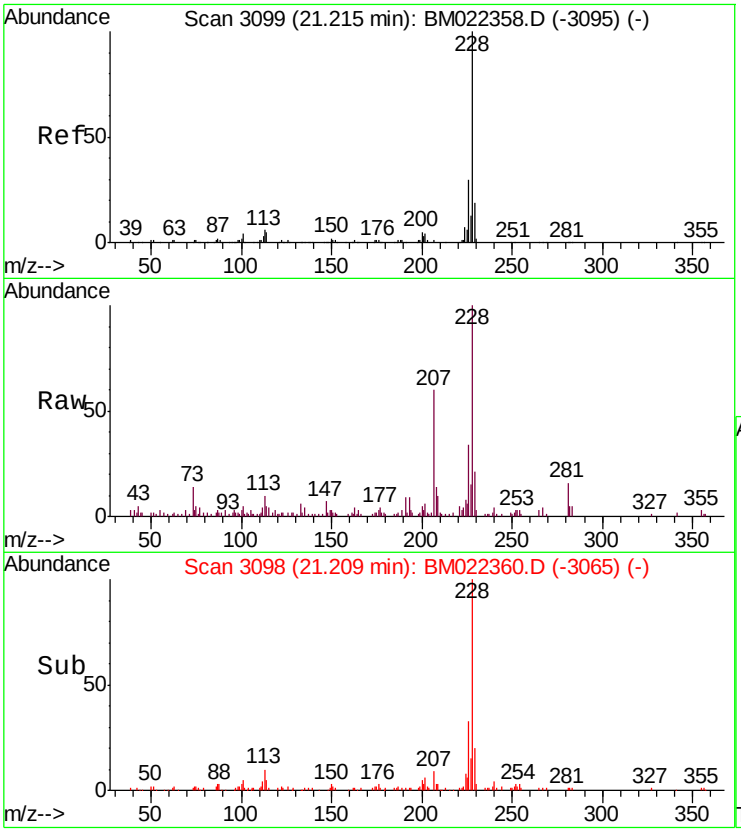


#82
Benzo(a)anthracene
Concen: 3.586 ng/ul
RT: 21.16 min Scan# 3090
Delta R.T. 0.00 min
Lab File: BM022360.D
Acq: 27 Aug 2019 10:05

Tgt Ion:228 Resp: 51419

Ion	Ratio	Lower	Upper
228	100		
229	21.1	15.2	22.8
226	37.2	22.3	33.5#



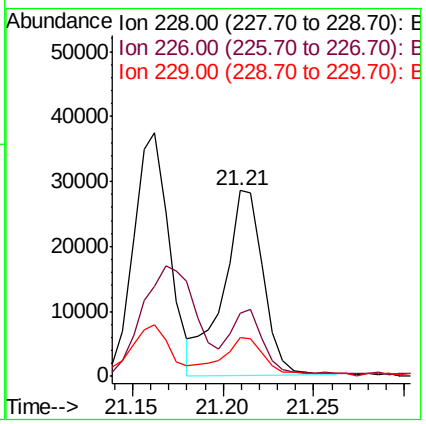


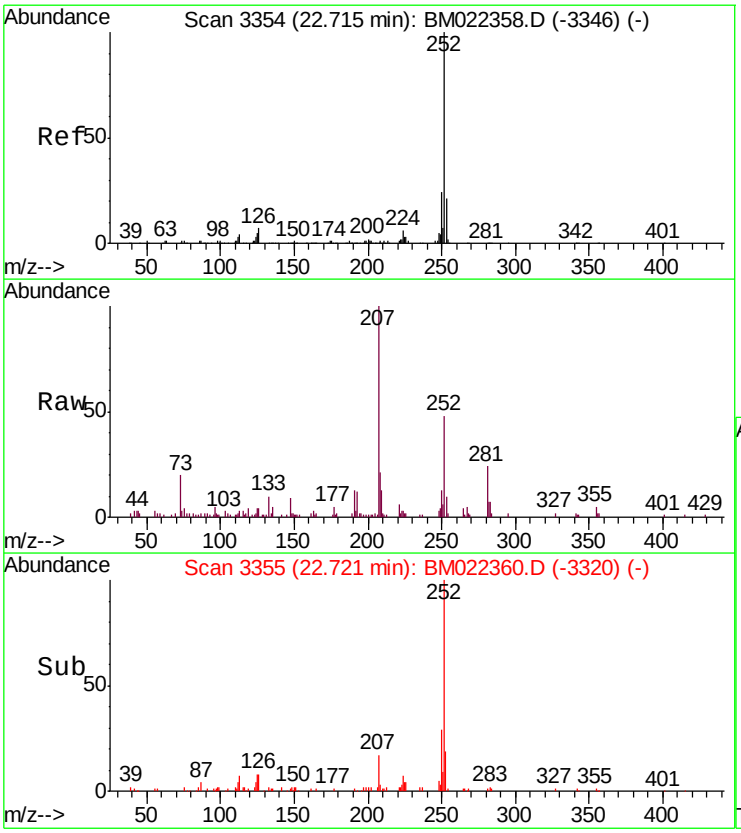
#84
Chrysene
Concen: 3.254 ng/ul
RT: 21.21 min Scan# 3098
Delta R.T. -0.01 min
Lab File: BM022360.D
Acq: 27 Aug 2019 10:05

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:228 Resp: 43629

Ion	Ratio	Lower	Upper
228	100		
226	33.9	24.7	37.1
229	20.8	15.7	23.5

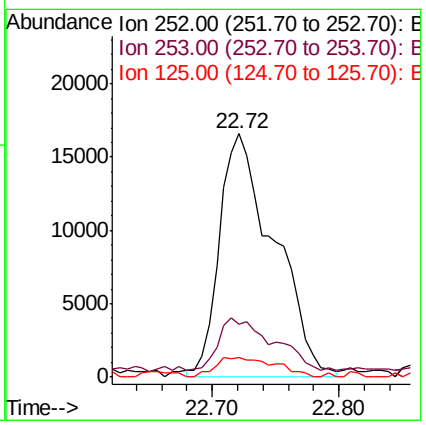


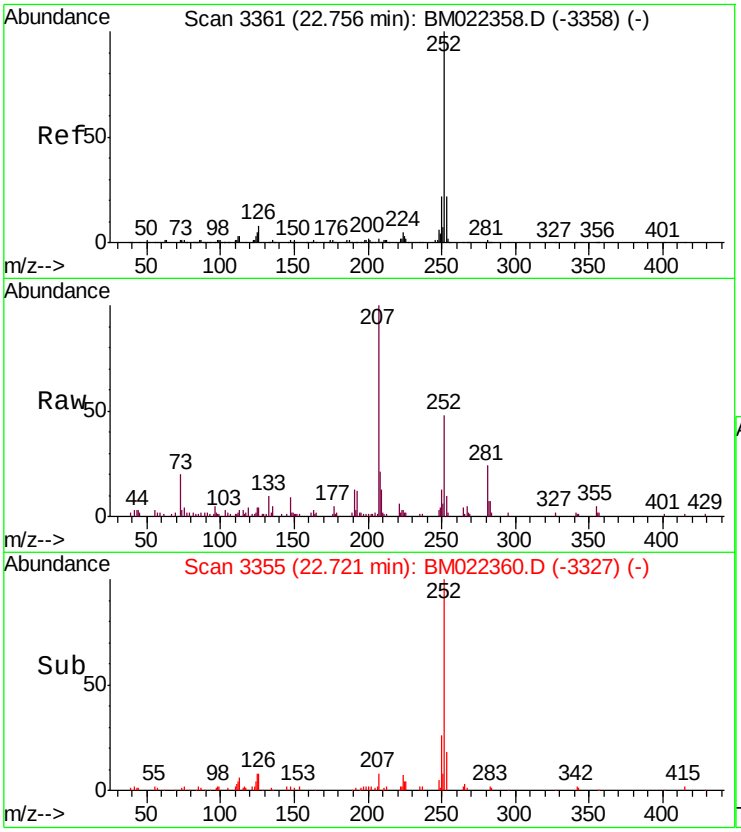


#87
Benzo(b)fluoranthene
Concen: 3.514 ng/ul
RT: 22.72 min Scan# 3355
Delta R.T. 0.01 min
Lab File: BM022360.D
Acq: 27 Aug 2019 10:05

Tgt Ion:252 Resp: 49693

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.0	25.6
125	8.2	5.2	7.8#



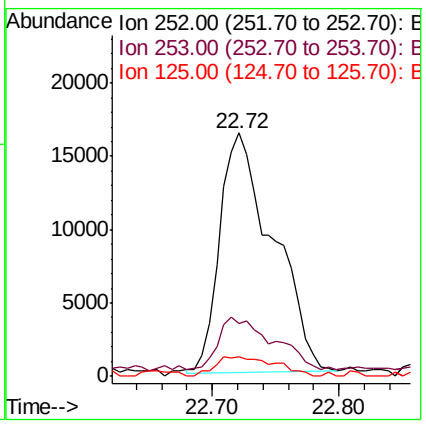


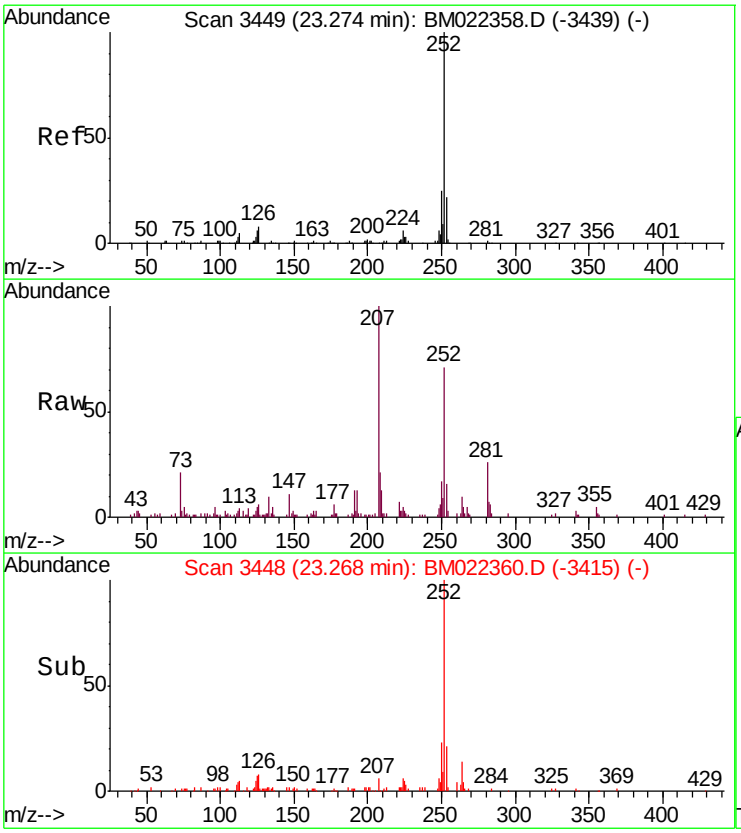
#88
Benzo(k)fluoranthene
Concen: 3.472 ng/ul
RT: 22.72 min Scan# 3355
Delta R.T. -0.04 min
Lab File: BM022360.D
Acq: 27 Aug 2019 10:05

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:252 Resp: 47611

Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.1	27.1
125	8.2	5.1	7.7#

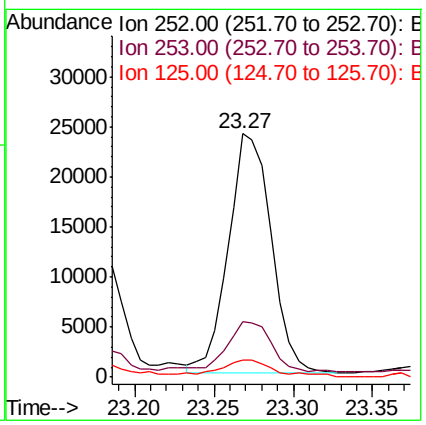


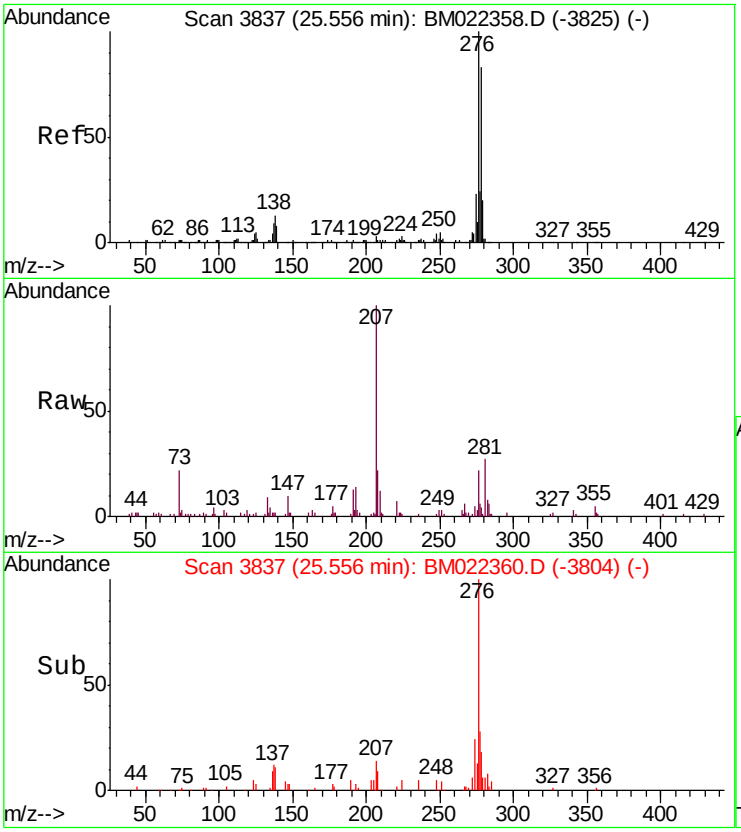


#90
Benzo(a)pyrene
Concen: 3.333 ng/ul
RT: 23.27 min Scan# 3448
Delta R.T. -0.01 min
Lab File: BM022360.D
Acq: 27 Aug 2019 10:05

Tgt Ion:252 Resp: 44921

Ion	Ratio	Lower	Upper
252	100		
253	23.0	16.9	25.3
125	6.9	5.5	8.3



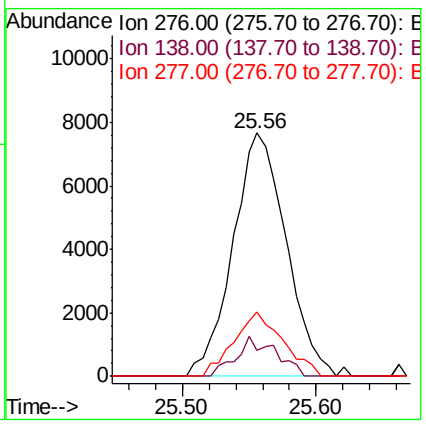


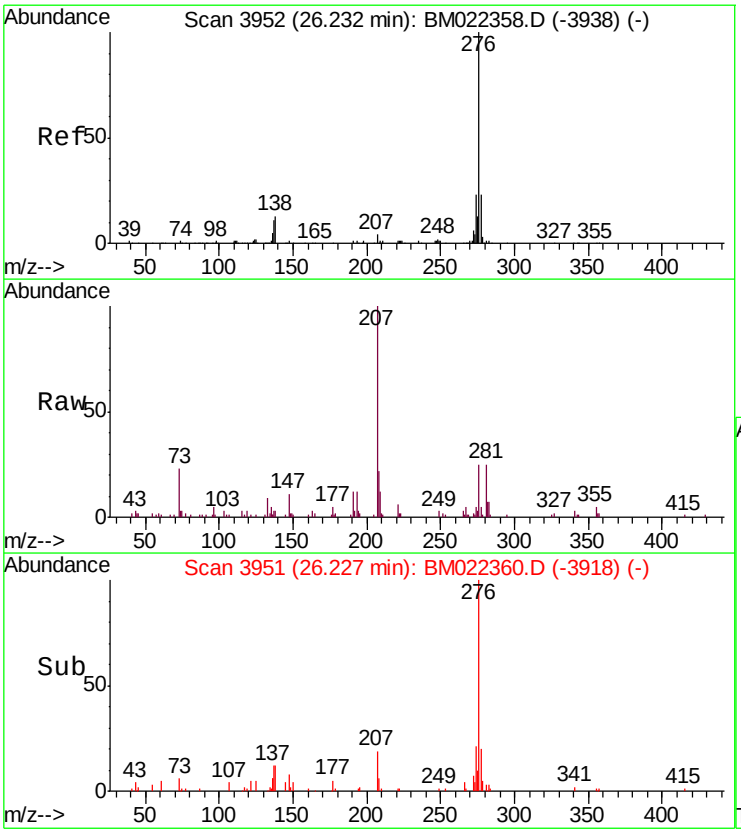
#91
Indeno(1,2,3-cd)pyrene
Concen: 1.356 ng/ul
RT: 25.56 min Scan# 3837
Delta R.T. -0.01 min
Lab File: BM022360.D
Acq: 27 Aug 2019 10:05

Instrument :
BNA_M
ClientSampleId :

Tgt Ion:276 Resp: 21223

Ion	Ratio	Lower	Upper
276	100		
138	10.7	12.6	18.8#
277	26.5	20.2	30.2





#93
Benzo(g,h,i)perylene
Concen: 2.288 ng/ul
RT: 26.23 min Scan# 3951
Delta R.T. -0.01 min
Lab File: BM022360.D
Acq: 27 Aug 2019 10:05

Tgt Ion:276 Resp: 27324

Ion	Ratio	Lower	Upper
276	100		
138	11.5	10.2	15.4
277	20.0	18.2	27.4