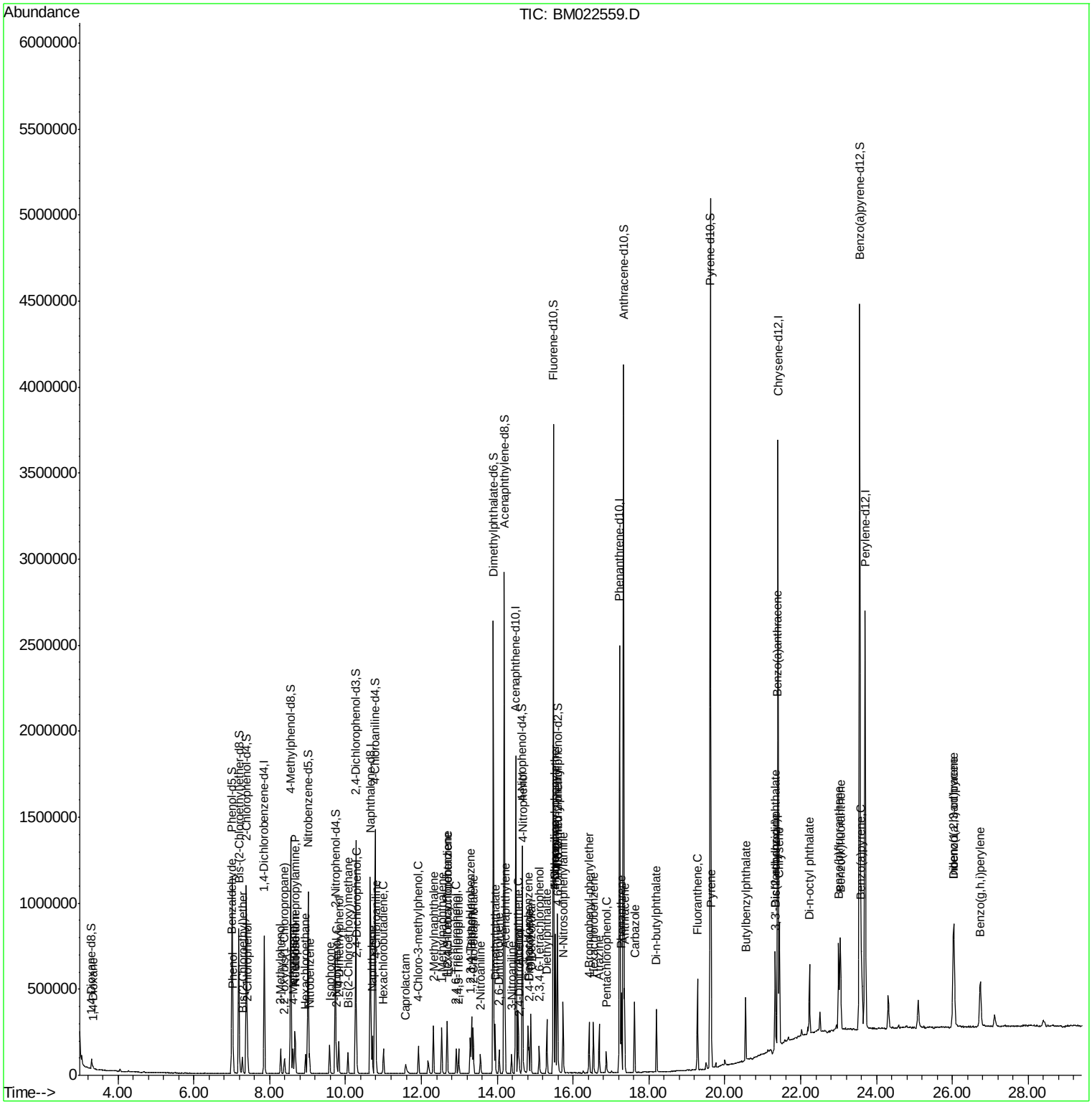
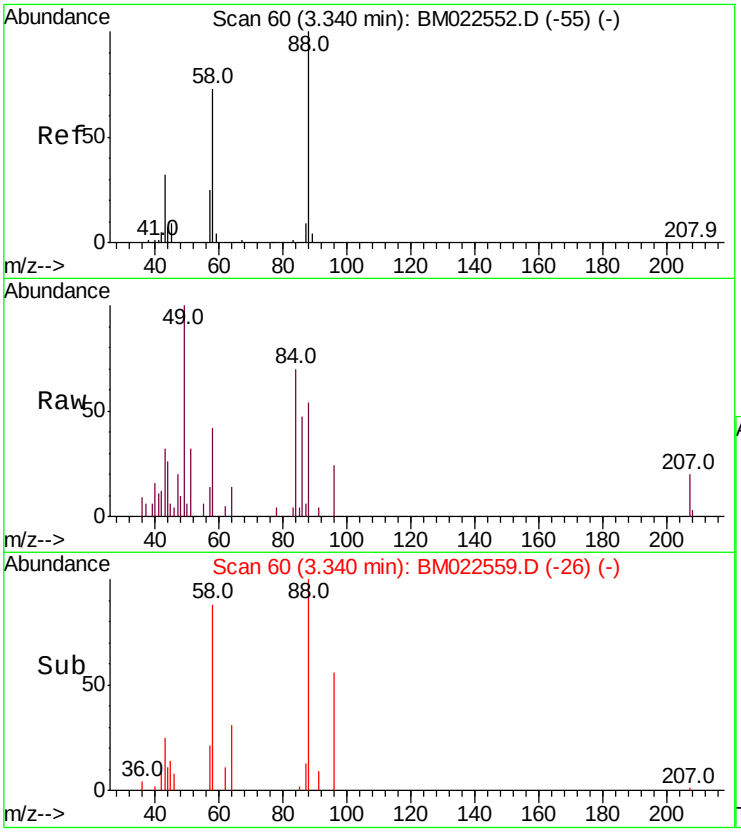
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090619\
Data File : BM022559.D
Acq On : 06 Sep 2019 19:22
Operator : HP/JU
Sample : MDL-W-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-W-06

Quant Time: Sep 06 23:21:01 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090519MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 05 19:43:58 2019
Response via : Initial Calibration



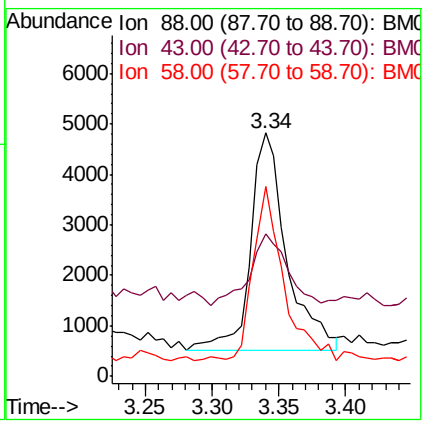


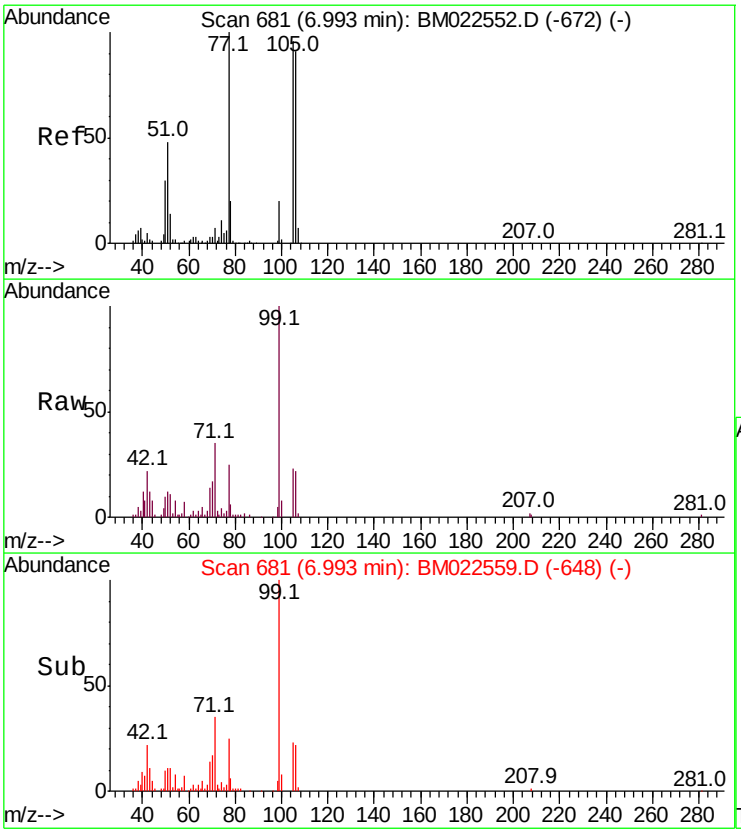
#2
1,4-Dioxane
Concen: 1.593 ng/uL
RT: 3.34 min Scan# 60
Delta R.T. 0.00 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Instrument :
BNA_M
ClientSampleId :
MDL-W-06

Tgt Ion: 88 Resp: 8056

Ion	Ratio	Lower	Upper
88	100		
43	58.4	37.9	56.9#
58	78.0	59.4	89.0

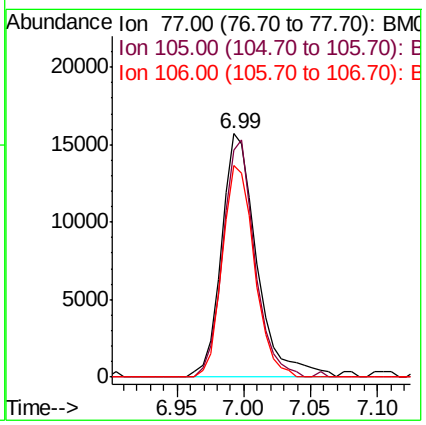


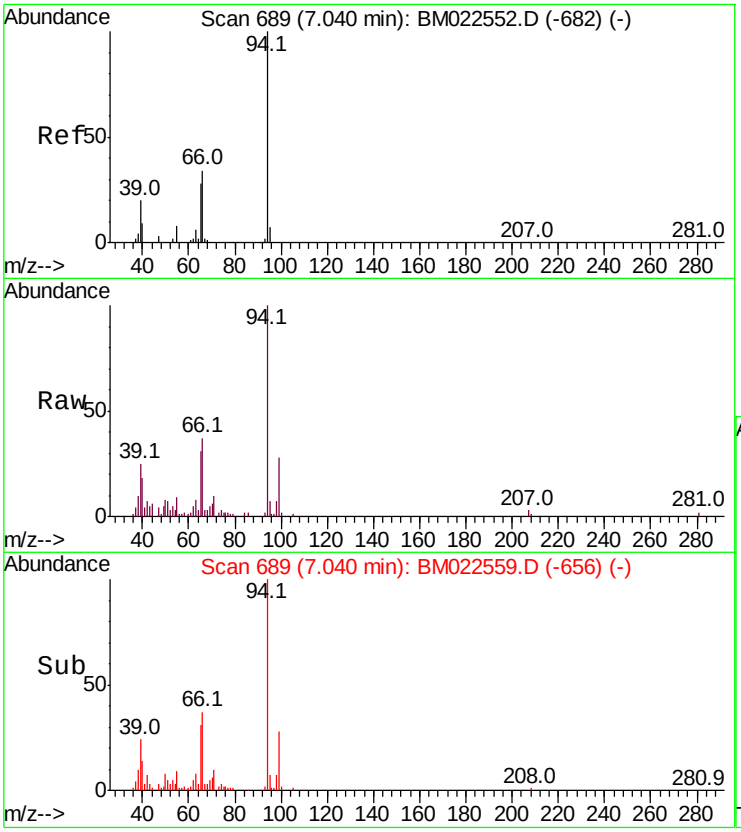


#4
Benzaldehyde
Concen: 2.876 ng/ul
RT: 6.99 min Scan# 681
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Tgt Ion: 77 Resp: 29023

Ion	Ratio	Lower	Upper
77	100		
105	93.1	79.0	118.6
106	87.0	75.1	112.7



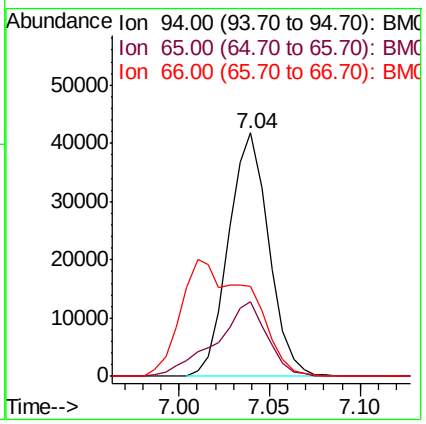


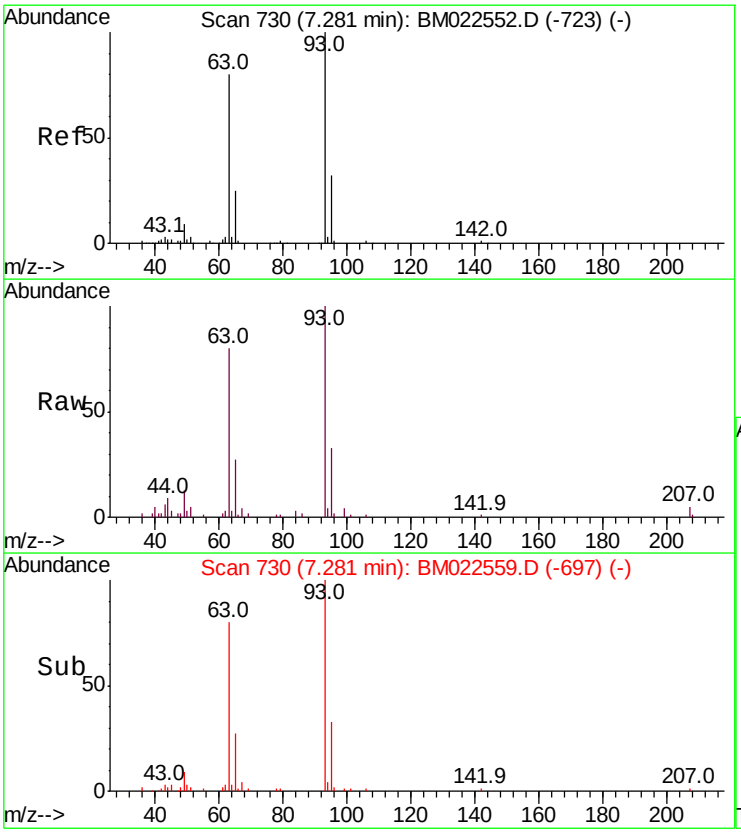
#6
Phenol
Concen: 3.198 ng/ul
RT: 7.04 min Scan# 689
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Instrument :
BNA_M
ClientSampleId :
MDL-W-06

Tgt Ion: 94 Resp: 64580

Ion	Ratio	Lower	Upper
94	100		
65	30.7	22.8	34.2
66	37.2	29.1	43.7

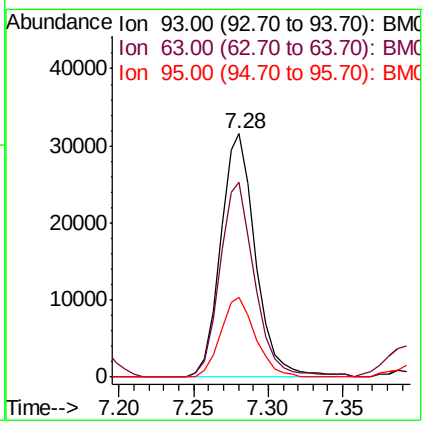


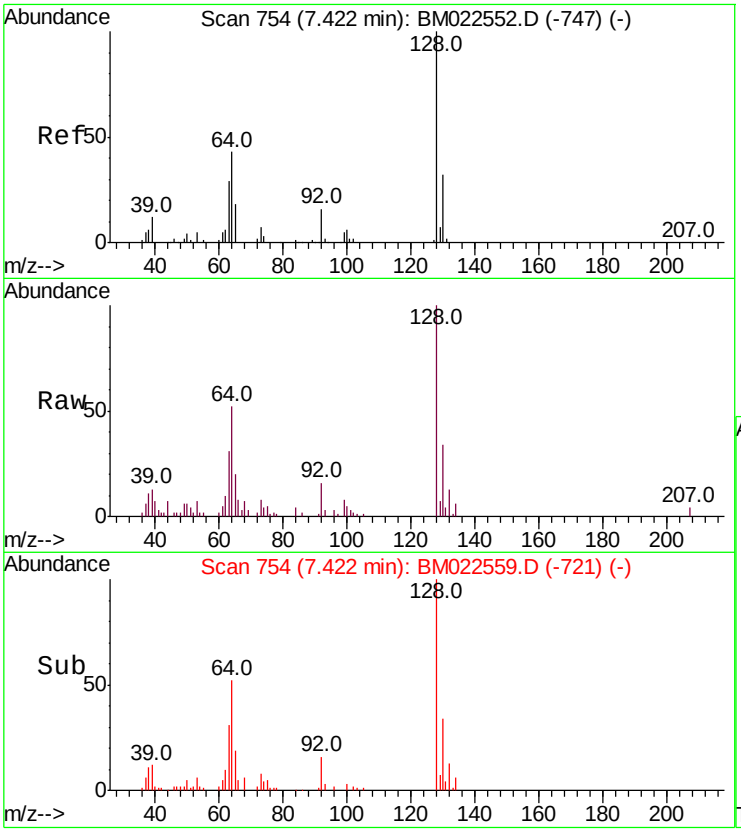


#8
Bis(2-Chloroethyl)ether
Concen: 3.375 ng/ul
RT: 7.28 min Scan# 730
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Tgt Ion: 93 Resp: 51755

Ion	Ratio	Lower	Upper
93	100		
63	80.3	62.2	93.2
95	32.8	26.6	39.8



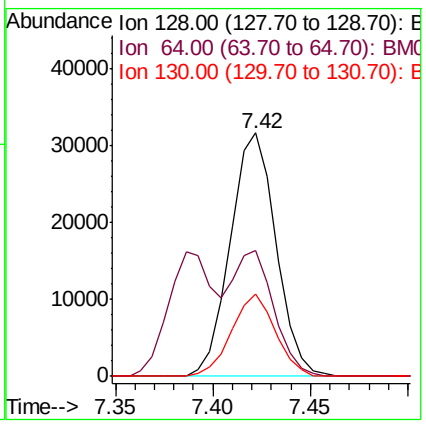


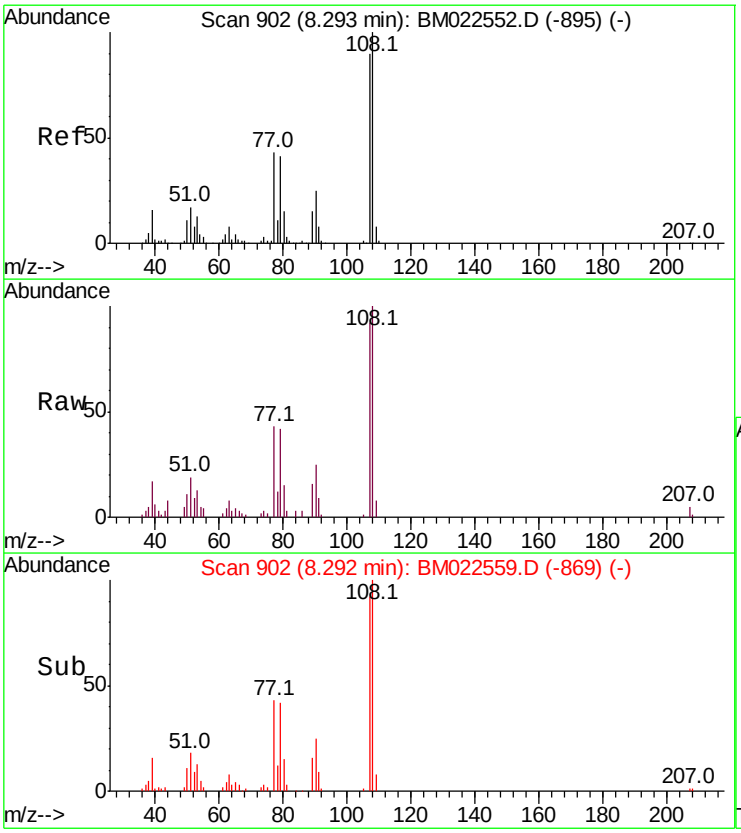
#10
2-Chlorophenol
Concen: 3.201 ng/ul
RT: 7.42 min Scan# 754
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Instrument :
BNA_M
ClientSampleId :
MDL-W-06

Tgt Ion:128 Resp: 51348

Ion	Ratio	Lower	Upper
128	100		
64	51.6	36.0	54.0
130	33.9	26.1	39.1

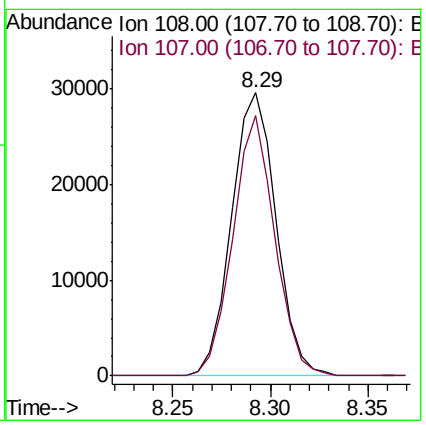


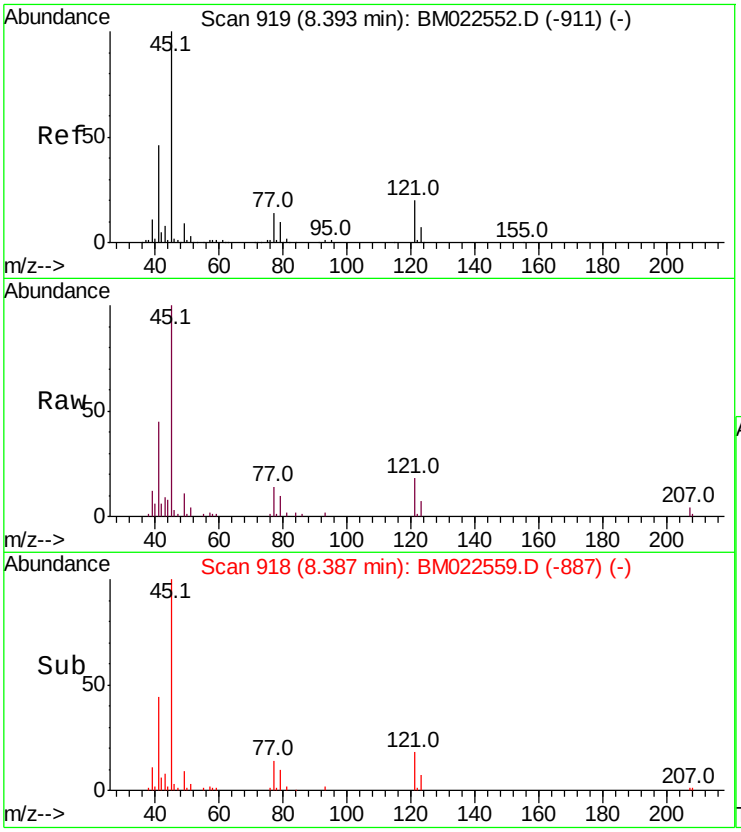


#11
2-Methylphenol
Concen: 2.961 ng/ul
RT: 8.29 min Scan# 902
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Tgt Ion:108 Resp: 46666

Ion	Ratio	Lower	Upper
108	100		
107	91.9	70.7	106.1



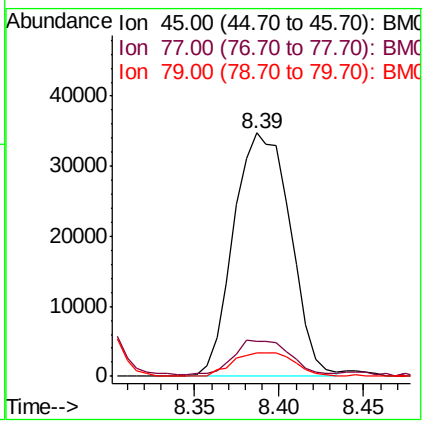


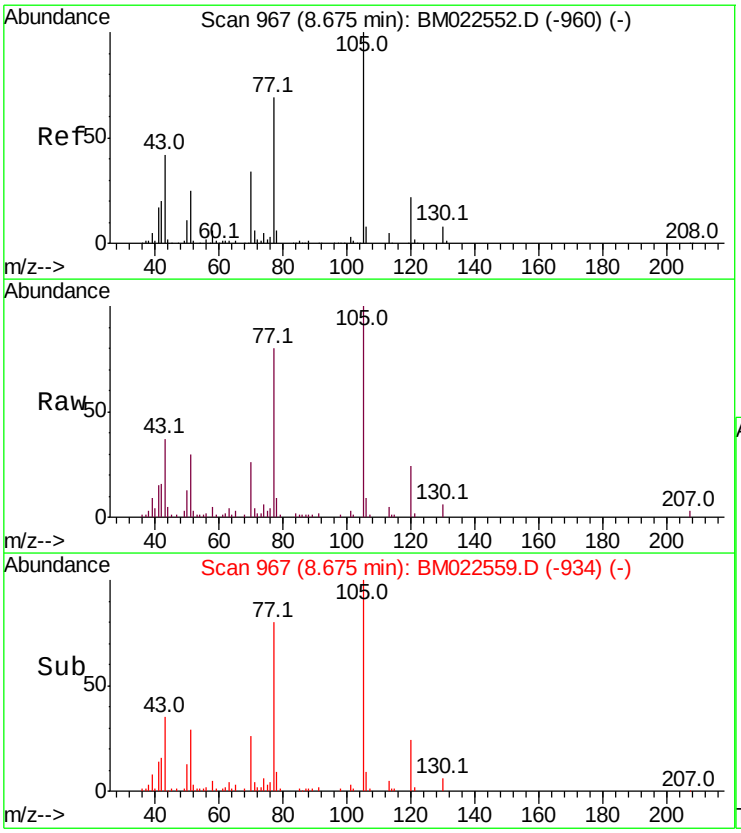
#12
2,2'-oxybis(1-Chloropropane)
Concen: 3.589 ng/ul
RT: 8.39 min Scan# 918
Delta R.T. -0.02 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Instrument :
BNA_M
ClientSampleId :
MDL-W-06

Tgt Ion: 45 Resp: 80938

Ion	Ratio	Lower	Upper
45	100		
77	14.3	11.6	17.4
79	9.5	9.0	13.6

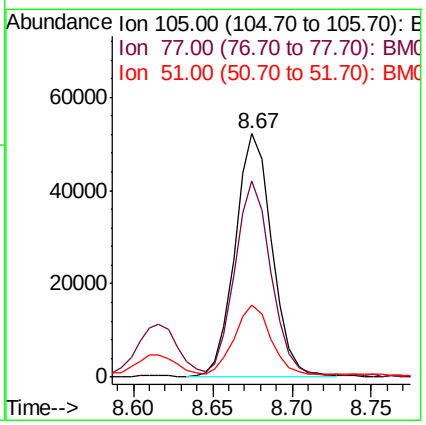


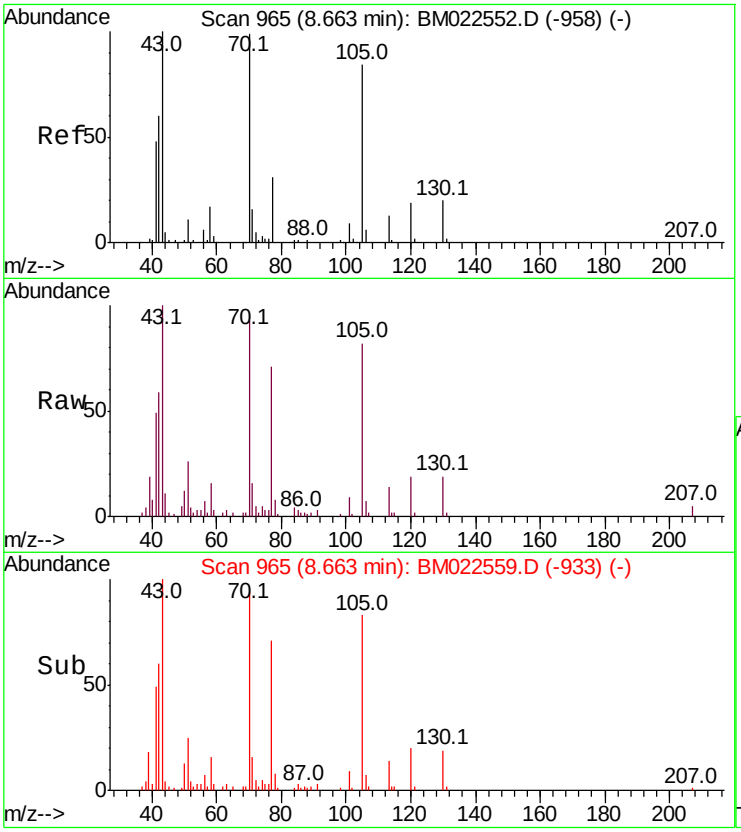


#14
Acetophenone
Concen: 3.442 ng/ul
RT: 8.67 min Scan# 967
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Tgt Ion:105 Resp: 84385

Ion	Ratio	Lower	Upper
105	100		
77	80.4	62.1	93.1
51	29.6	21.8	32.6



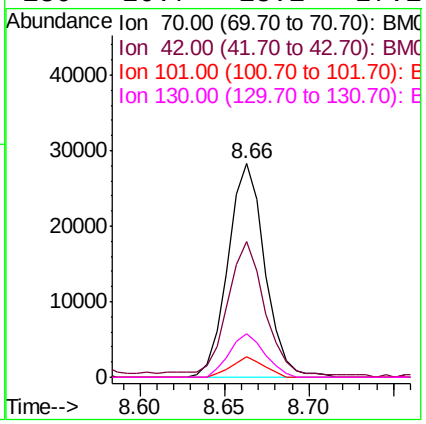


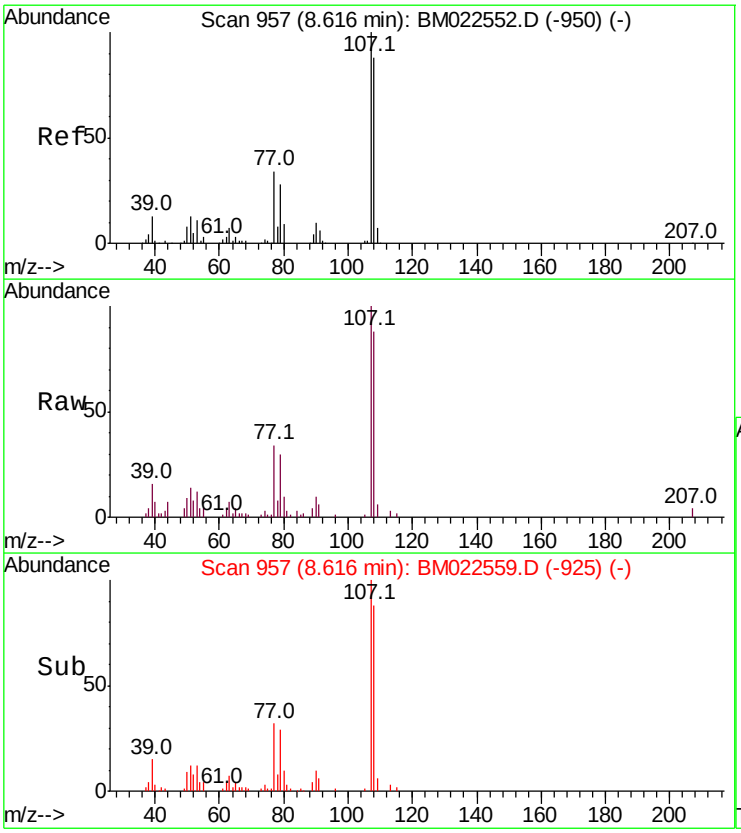
#15
N-Nitroso-di-n-propylamine
Concen: 3.246 ng/ul
RT: 8.66 min Scan# 965
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Instrument :
BNA_M
ClientSampleId :
MDL-W-06

Tgt Ion: 70 Resp: 42976

Ion	Ratio	Lower	Upper
70	100		
42	63.5	48.3	72.5
101	9.4	8.2	12.2
130	20.7	18.1	27.1

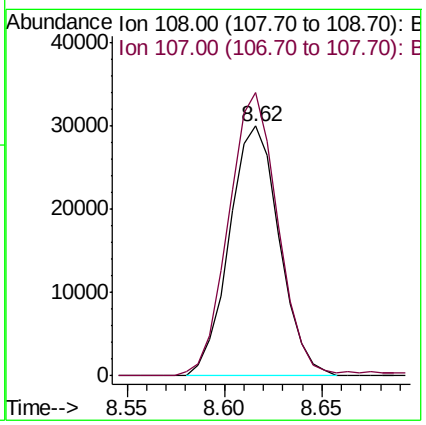


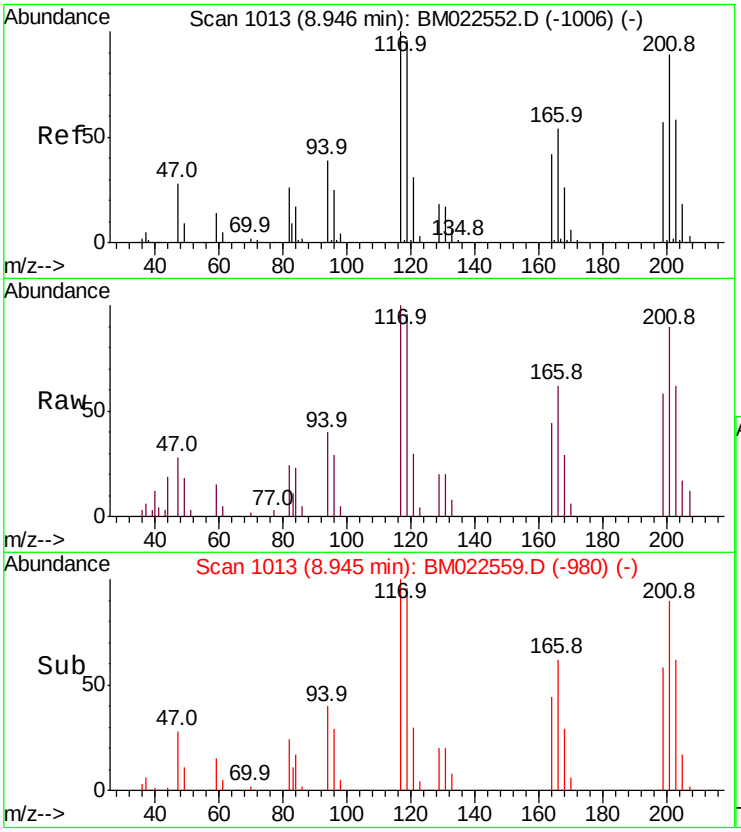


#16
4-Methylphenol
Concen: 3.124 ng/ul
RT: 8.62 min Scan# 957
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Tgt Ion:108 Resp: 53147

Ion	Ratio	Lower	Upper
108	100		
107	113.3	87.2	130.8



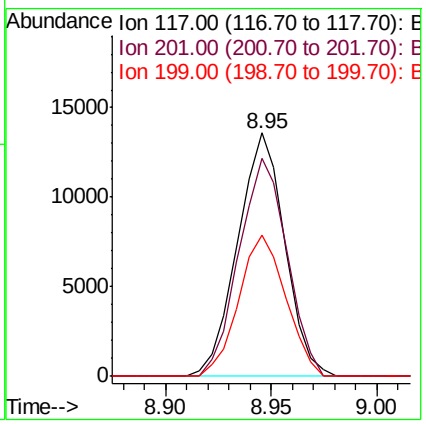


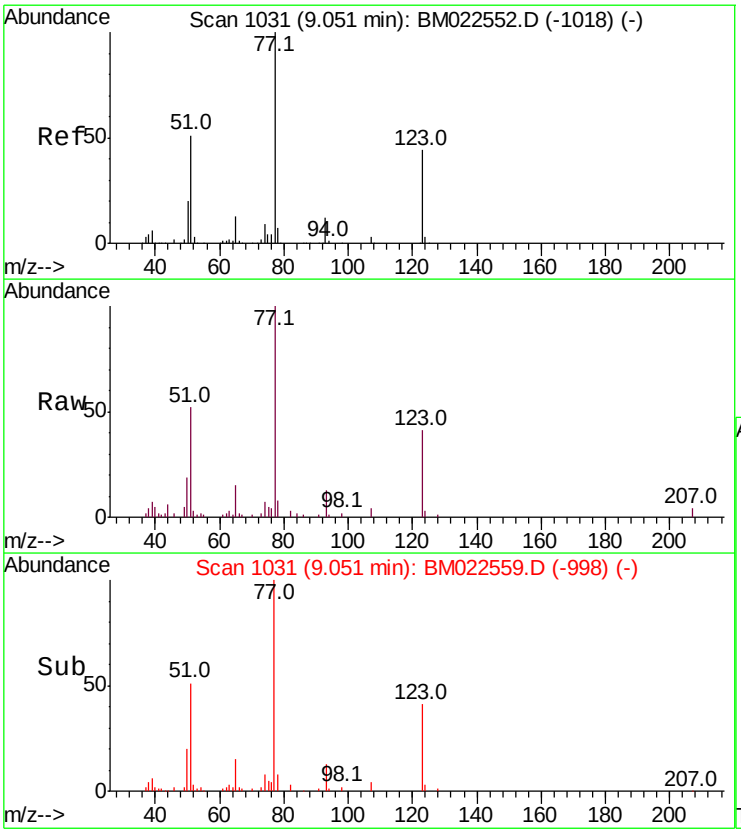
#17
Hexachloroethane
Concen: 3.309 ng/ul
RT: 8.95 min Scan# 1013
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Instrument :
BNA_M
ClientSampleId :
MDL-W-06

Tgt Ion:117 Resp: 21030

Ion	Ratio	Lower	Upper
117	100		
201	89.7	77.6	116.4
199	58.2	47.6	71.4

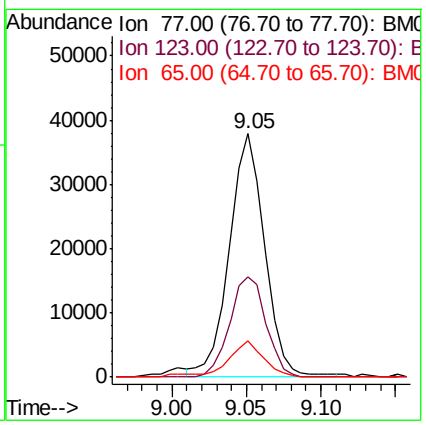


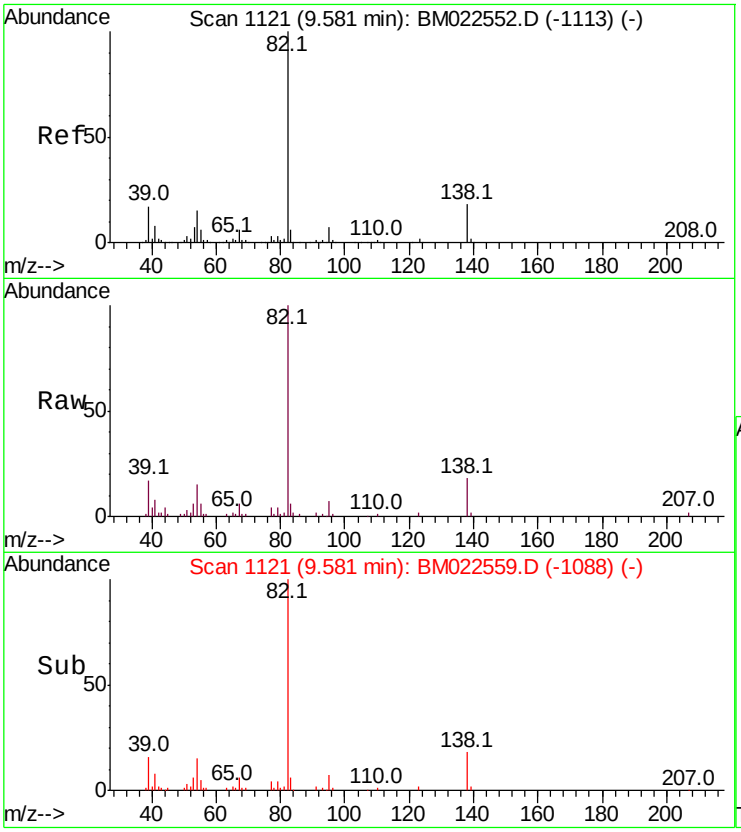


#20
Nitrobenzene
Concen: 3.688 ng/ul
RT: 9.05 min Scan# 1031
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Tgt Ion: 77 Resp: 62720

Ion	Ratio	Lower	Upper
77	100		
123	41.1	35.8	53.6
65	15.0	10.5	15.7



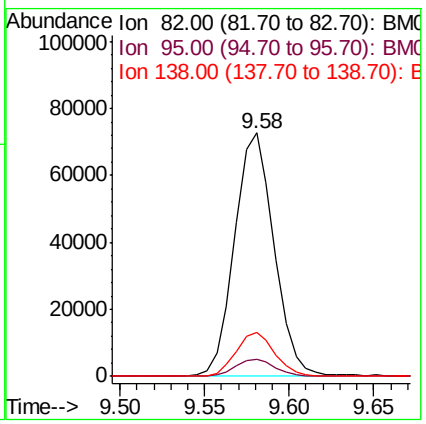


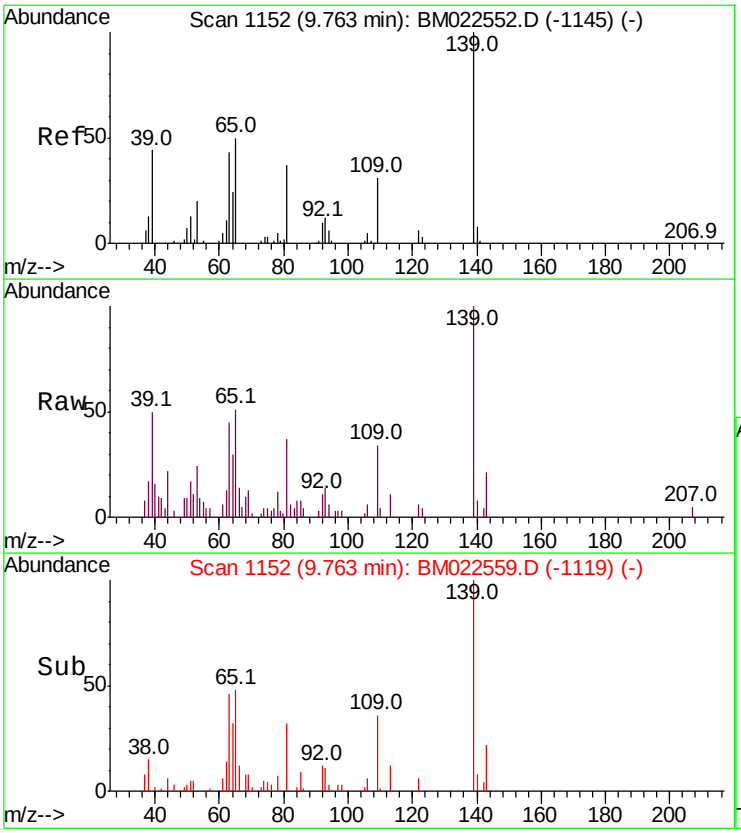
#21
Isophorone
Concen: 3.106 ng/ul
RT: 9.58 min Scan# 1121
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Instrument :
BNA_M
ClientSampleId :
MDL-W-06

Tgt Ion: 82 Resp: 118356

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.6	8.4
138	18.0	14.4	21.6

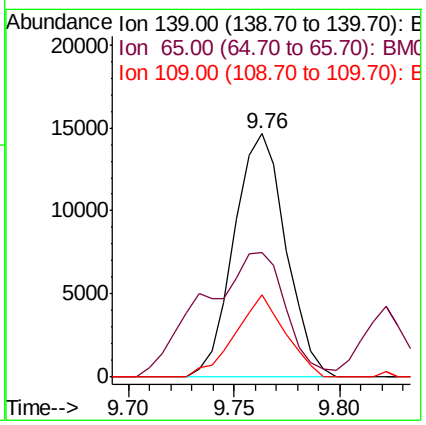


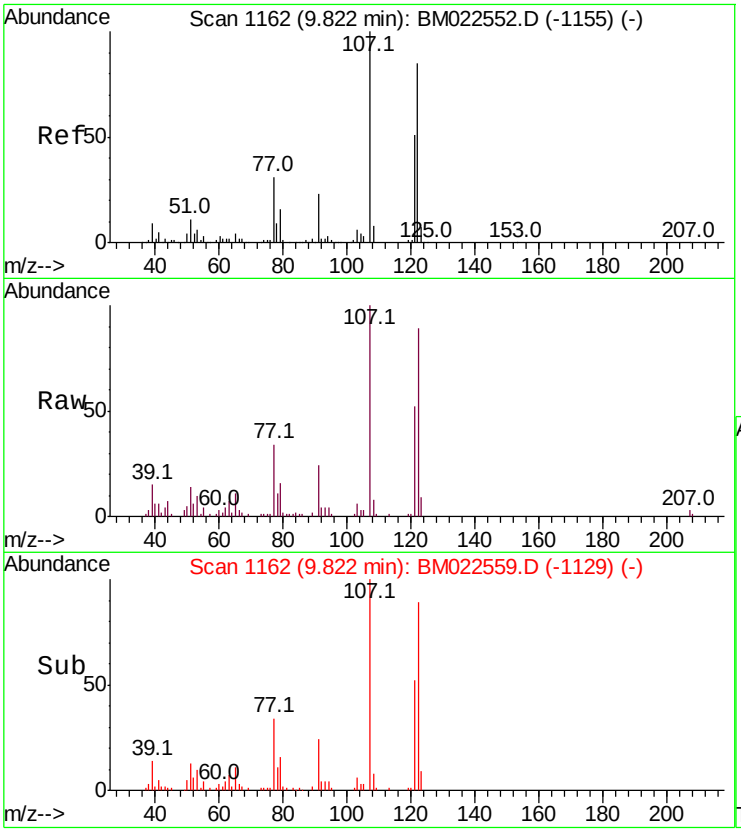


#23
2-Nitrophenol
Concen: 3.352 ng/ul
RT: 9.76 min Scan# 1152
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Tgt Ion:139 Resp: 24935

Ion	Ratio	Lower	Upper
139	100		
65	51.1	39.3	58.9
109	33.7	23.5	35.3



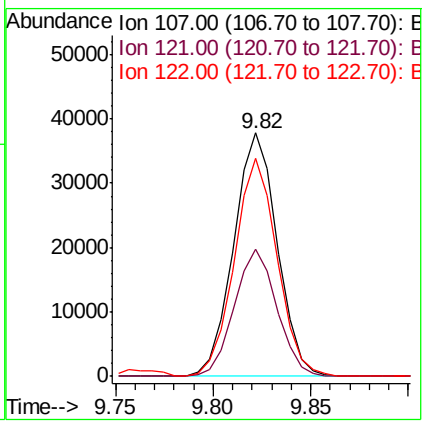


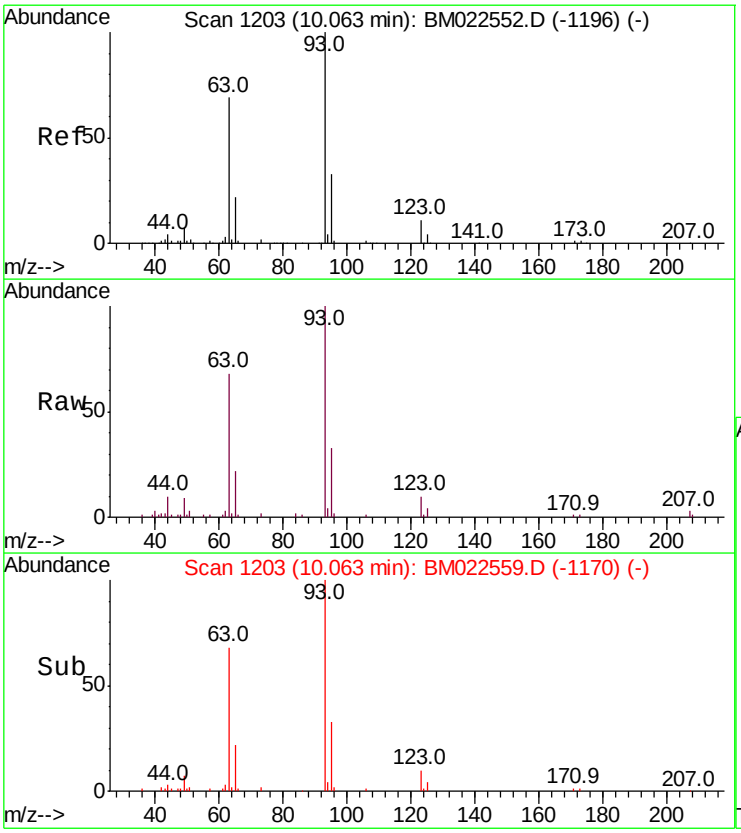
#24
2,4-Dimethylphenol
Concen: 3.126 ng/ul
RT: 9.82 min Scan# 1162
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Instrument :
BNA_M
ClientSampleId :
MDL-W-06

Tgt Ion:107 Resp: 58312

Ion	Ratio	Lower	Upper
107	100		
121	52.4	40.2	60.4
122	89.4	70.2	105.2

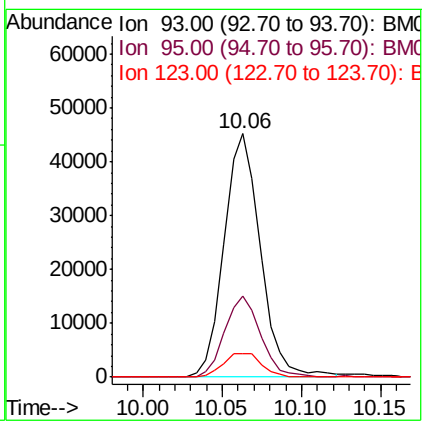


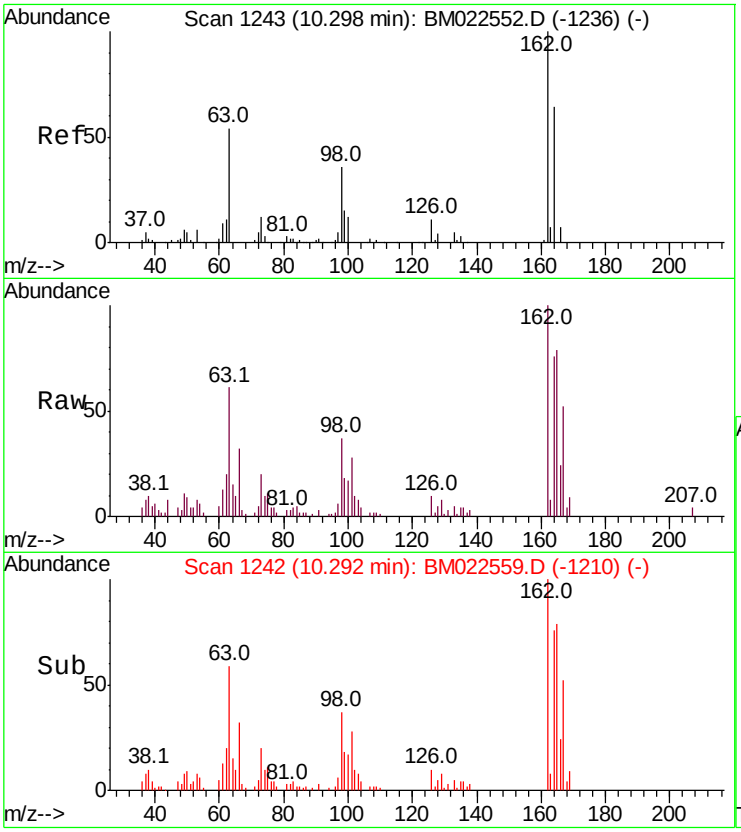


#25
Bis(2-Chloroethoxy)methane
Concen: 3.216 ng/ul
RT: 10.06 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Tgt Ion: 93 Resp: 71870

Ion	Ratio	Lower	Upper
93	100		
95	33.2	26.1	39.1
123	9.7	9.2	13.8



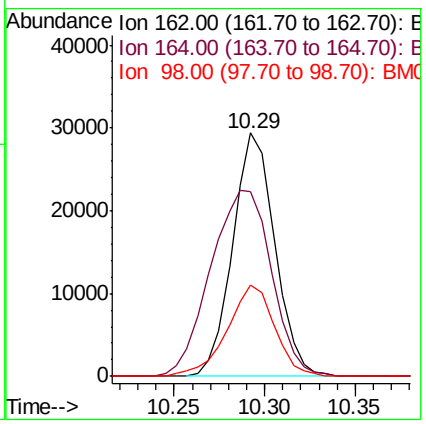


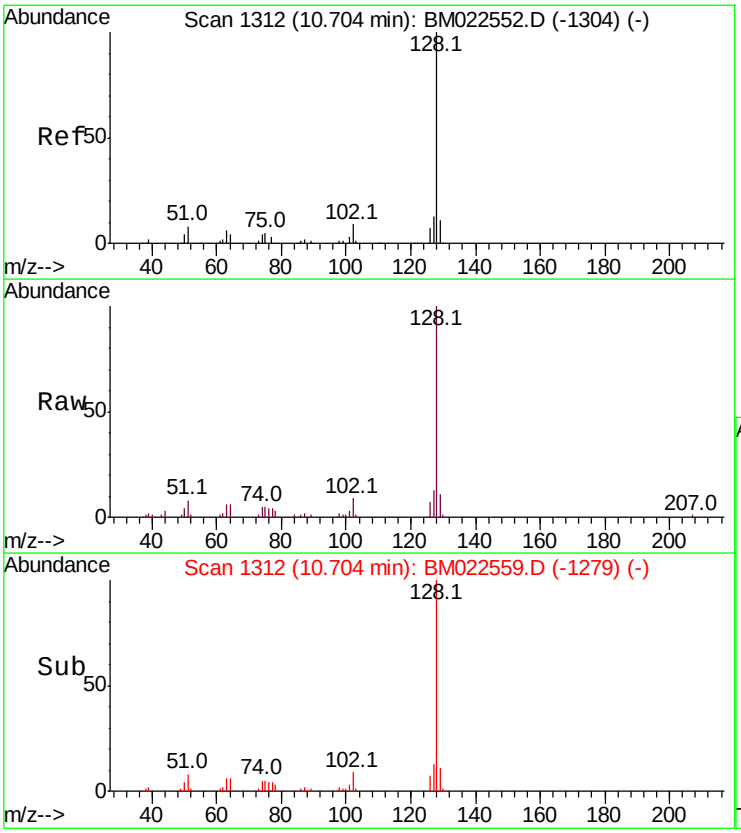
#27
2,4-Dichlorophenol
Concen: 3.035 ng/ul
RT: 10.29 min Scan# 1242
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Instrument :
BNA_M
ClientSampleId :
MDL-W-06

Tgt Ion:162 Resp: 47687

Ion	Ratio	Lower	Upper
162	100		
164	75.7	52.1	78.1
98	37.3	28.9	43.3

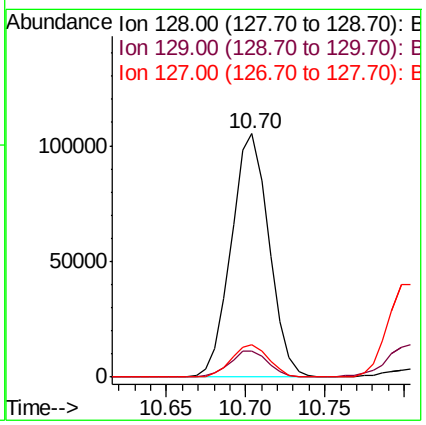


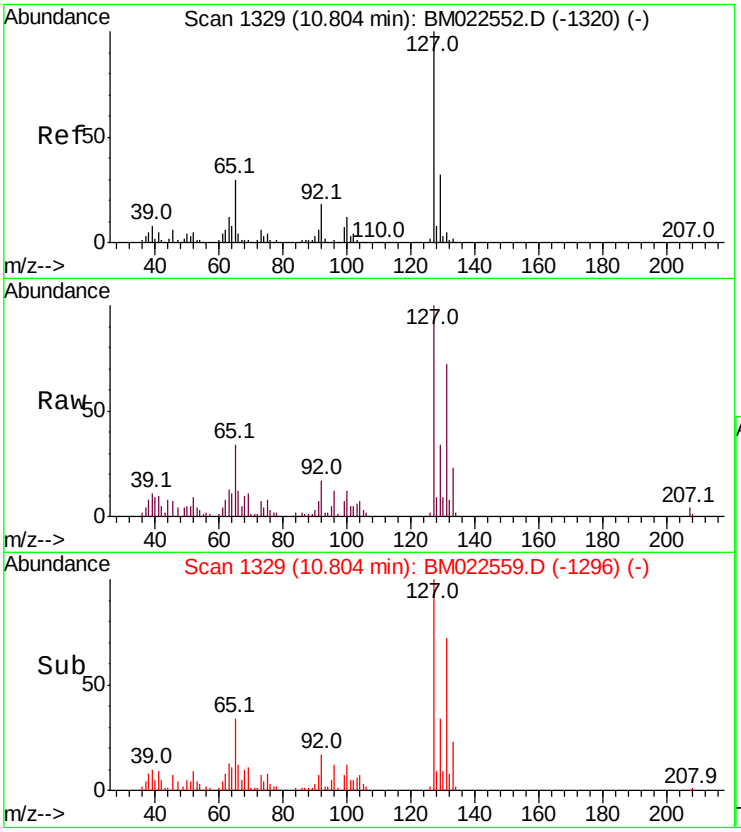


#28
Naphthalene
Concen: 3.328 ng/ul
RT: 10.70 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Tgt Ion:128 Resp: 173827

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.9	13.3
127	13.1	10.6	16.0



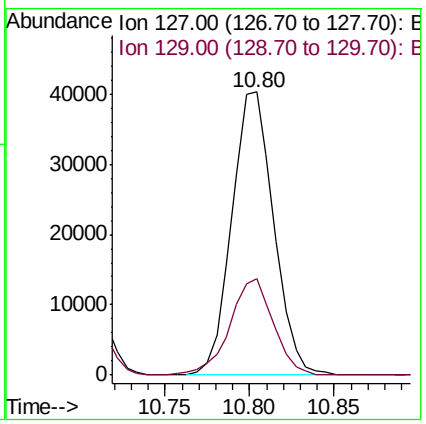


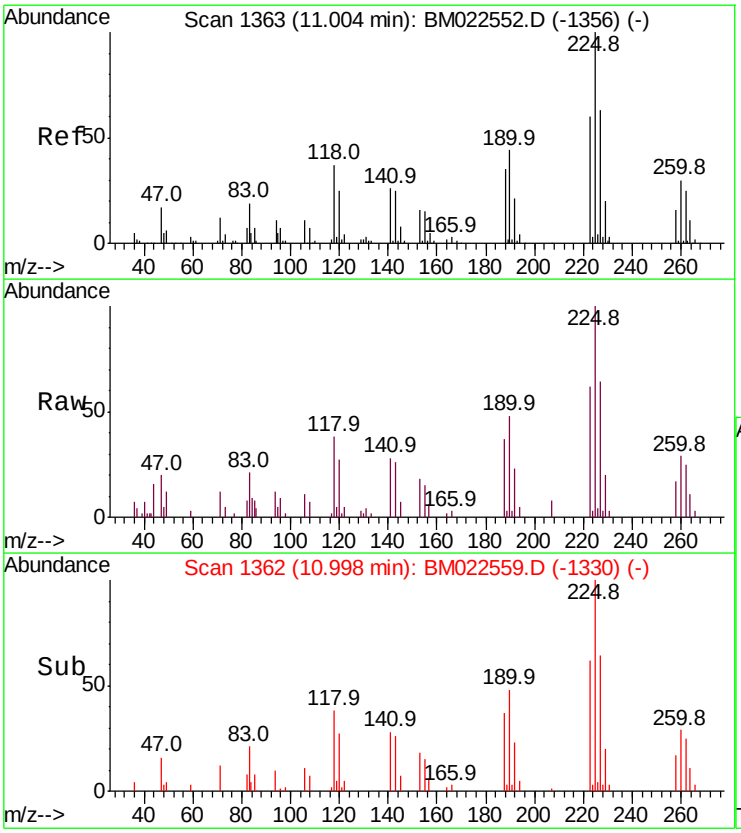
#30
4-Chloroaniline
Concen: 3.226 ng/ul
RT: 10.80 min Scan# 1329
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Instrument :
BNA_M
ClientSampleId :
MDL-W-06

Tgt Ion:127 Resp: 69663

Ion	Ratio	Lower	Upper
127	100		
129	34.2	25.4	38.2

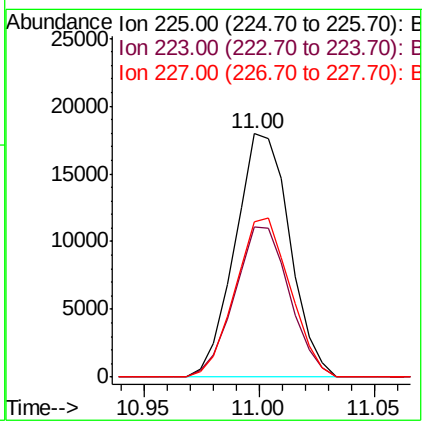


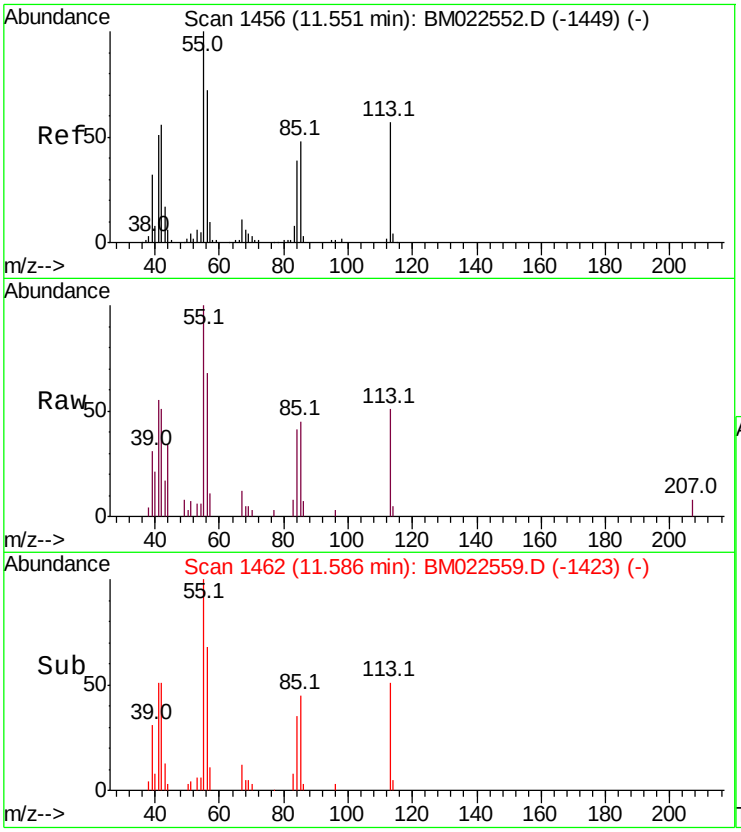


#31
Hexachlorobutadiene
Concen: 3.070 ng/ul
RT: 11.00 min Scan# 1362
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Tgt Ion:225 Resp: 29718

Ion	Ratio	Lower	Upper
225	100		
223	61.9	50.1	75.1
227	63.7	51.8	77.8



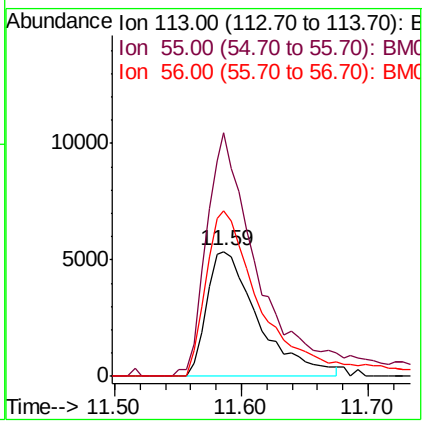


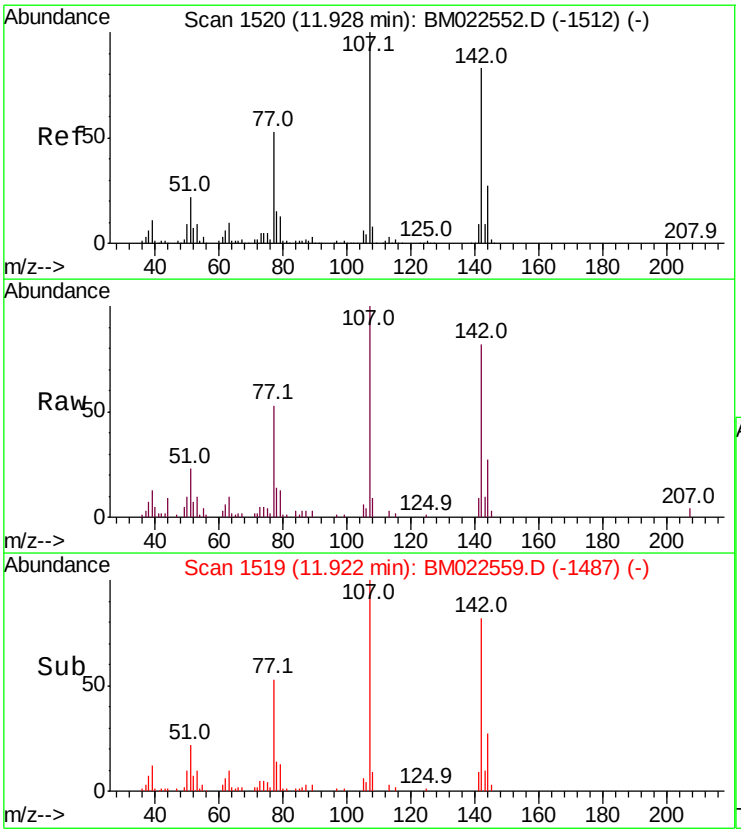
#32
Caprolactam
Concen: 2.588 ng/ul
RT: 11.59 min Scan# 1462
Delta R.T. 0.03 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Instrument :
BNA_M
ClientSampleId :
MDL-W-06

Tgt Ion:113 Resp: 15134

Ion	Ratio	Lower	Upper
113	100		
55	195.1	135.6	203.4
56	132.7	98.4	147.6

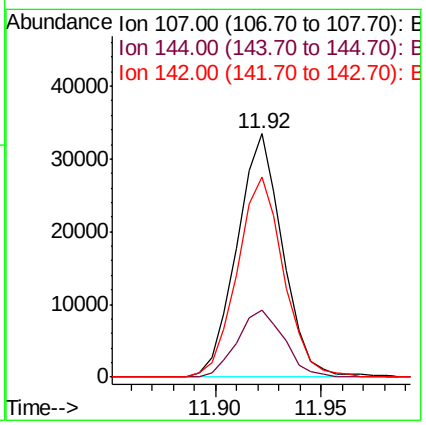


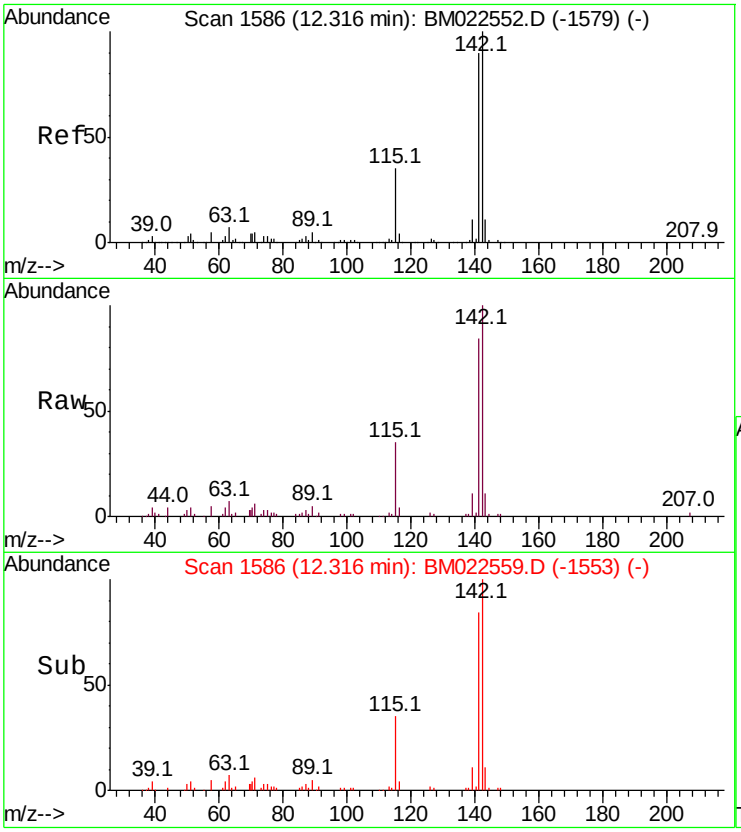


#33
4-Chloro-3-methylphenol
Concen: 2.891 ng/ul
RT: 11.92 min Scan# 1519
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Tgt Ion:107 Resp: 50122

Ion	Ratio	Lower	Upper
107	100		
144	27.5	22.6	34.0
142	82.1	67.0	100.4



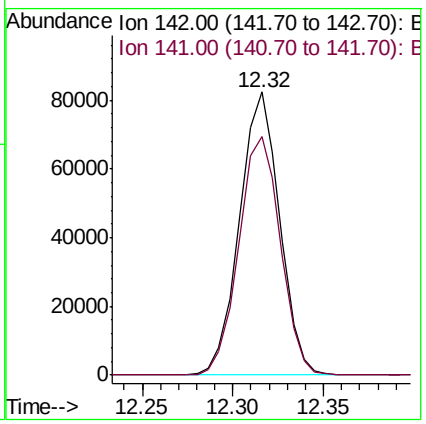


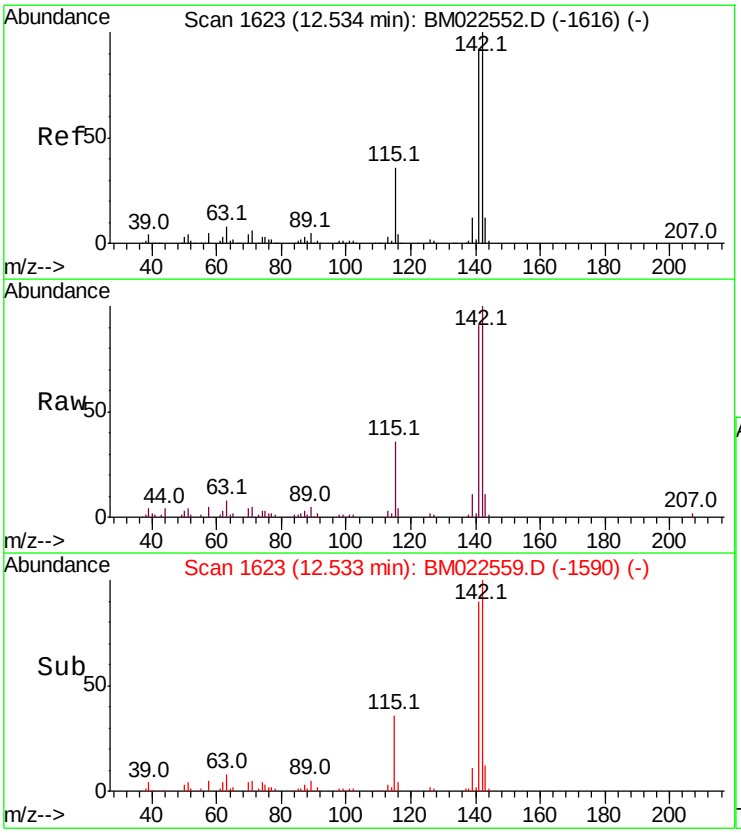
#34
2-Methylnaphthalene
Concen: 3.219 ng/ul
RT: 12.32 min Scan# 1586
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Instrument :
BNA_M
ClientSampleId :
MDL-W-06

Tgt Ion:142 Resp: 126681

Ion	Ratio	Lower	Upper
142	100		
141	84.3	71.0	106.4

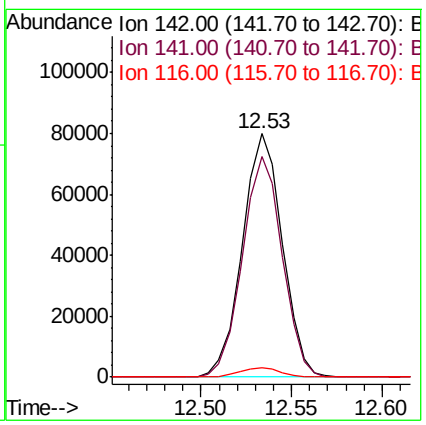


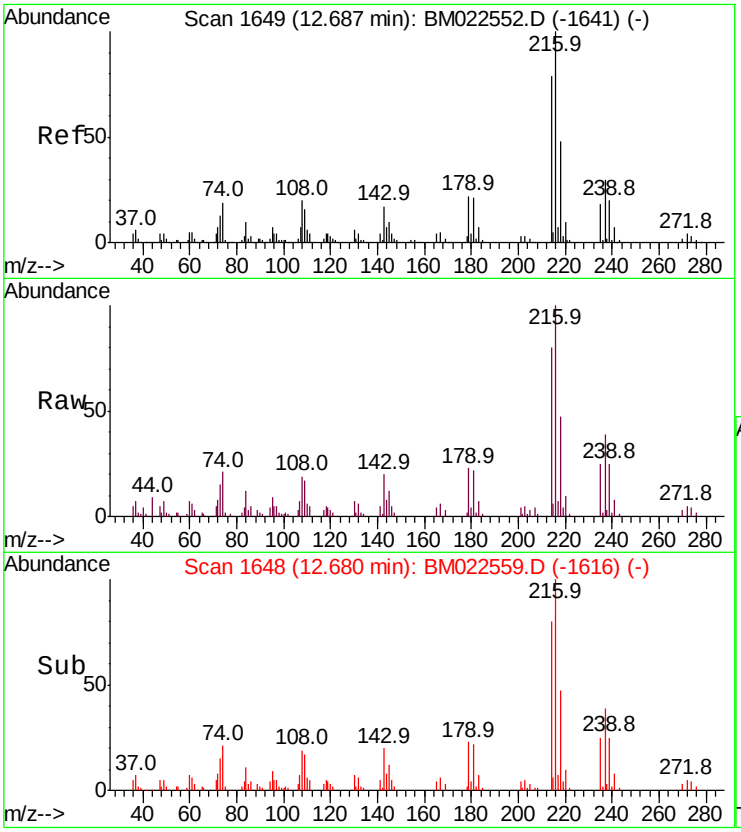


#35
1-Methylnaphthalene
Concen: 3.253 ng/ul
RT: 12.53 min Scan# 1623
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Tgt Ion:142 Resp: 122326

Ion	Ratio	Lower	Upper
142	100		
141	90.6	72.6	108.8
116	3.7	3.0	4.4



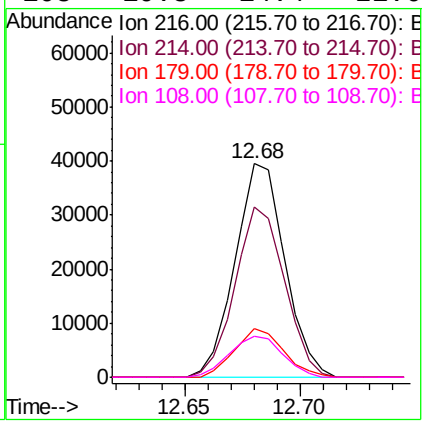


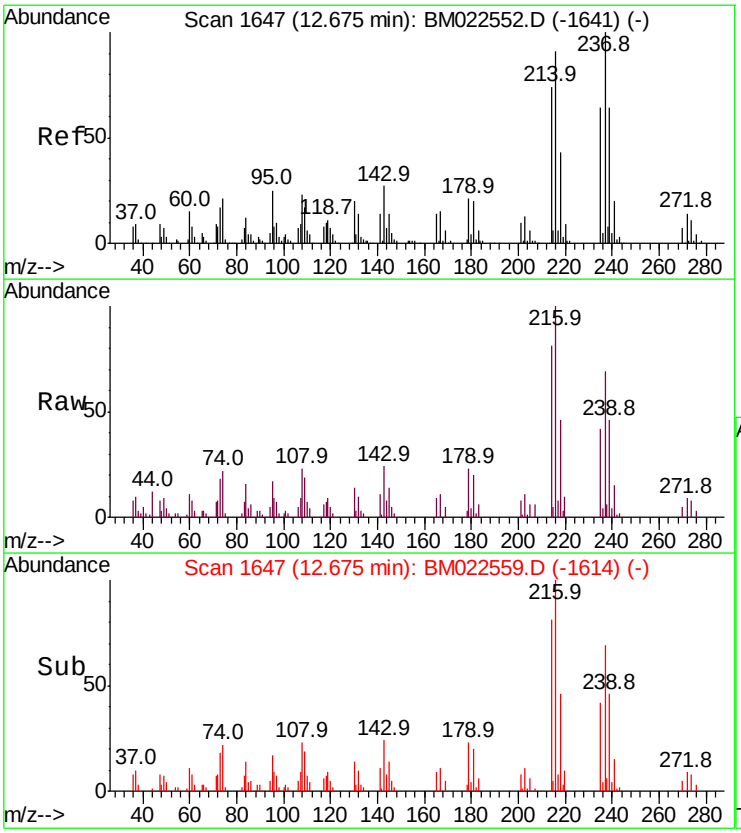
#37
1,2,4,5-Tetrachlorobenzene
Concen: 3.014 ng/ul
RT: 12.68 min Scan# 1648
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Instrument :
BNA_M
ClientSampleId :
MDL-W-06

Tgt Ion:216 Resp: 59488

Ion	Ratio	Lower	Upper
216	100		
214	79.9	63.4	95.0
179	22.5	16.7	25.1
108	19.3	14.4	21.6

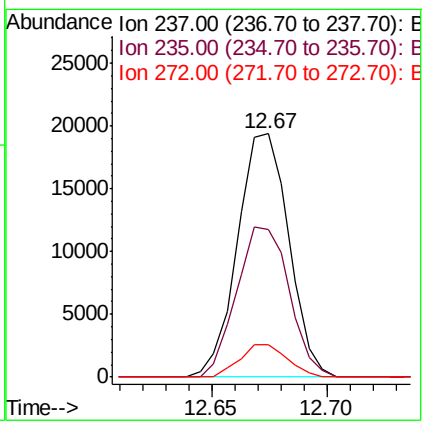


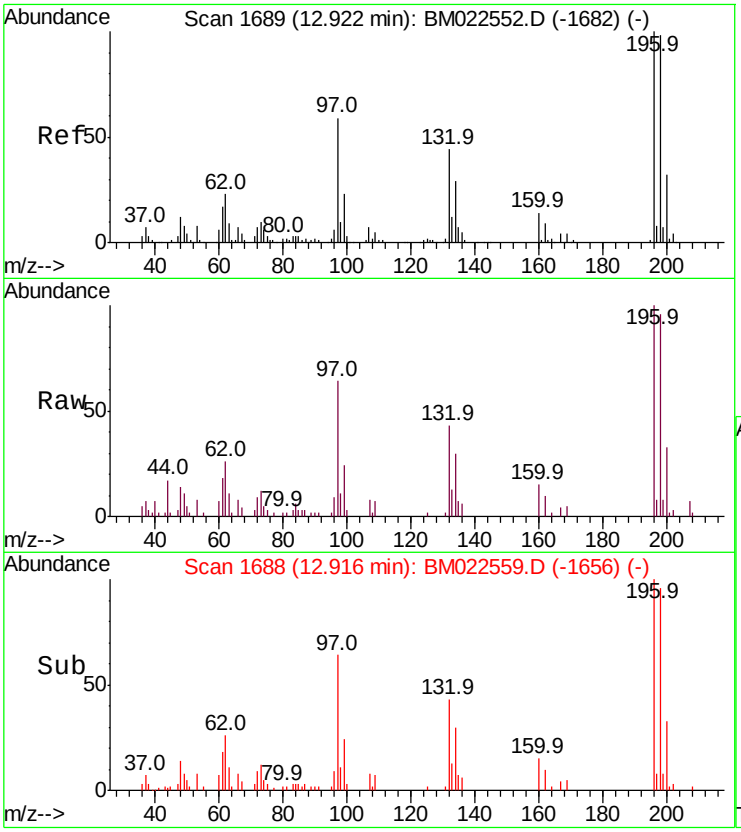


#38
Hexachlorocyclopentadiene
Concen: 2.466 ng/ul
RT: 12.67 min Scan# 1647
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Tgt Ion:237 Resp: 29999

Ion	Ratio	Lower	Upper
237	100		
235	60.6	50.1	75.1
272	13.5	10.2	15.4



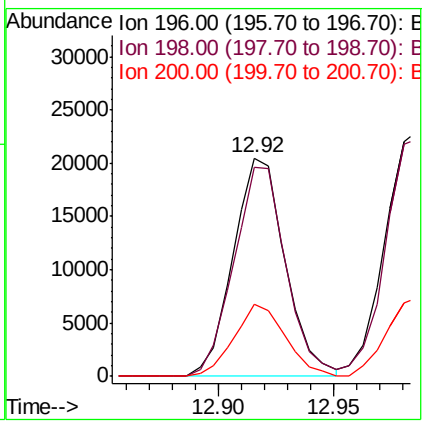


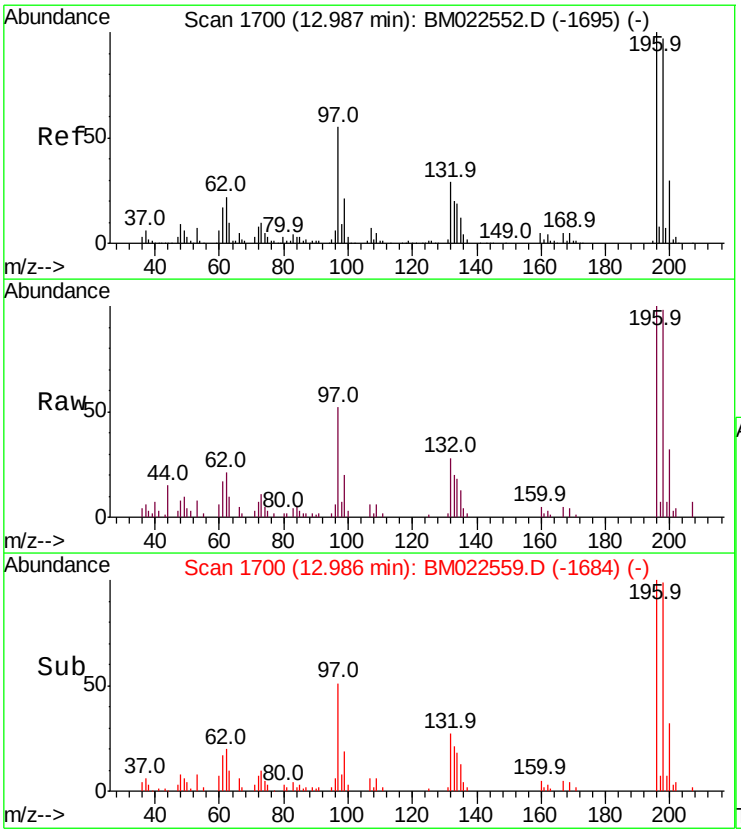
#39
2,4,6-Trichlorophenol
Concen: 2.605 ng/ul
RT: 12.92 min Scan# 1688
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Instrument :
BNA_M
ClientSampleId :
MDL-W-06

Tgt Ion:196 Resp: 32181

Ion	Ratio	Lower	Upper
196	100		
198	96.1	77.7	116.5
200	33.3	24.6	37.0

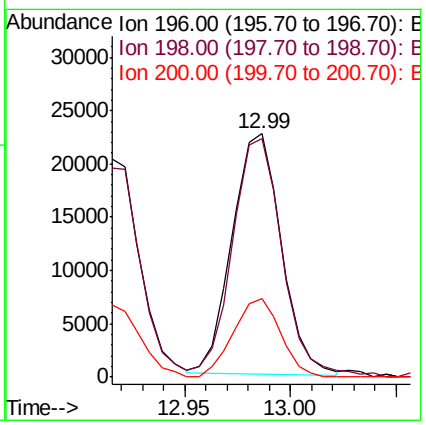


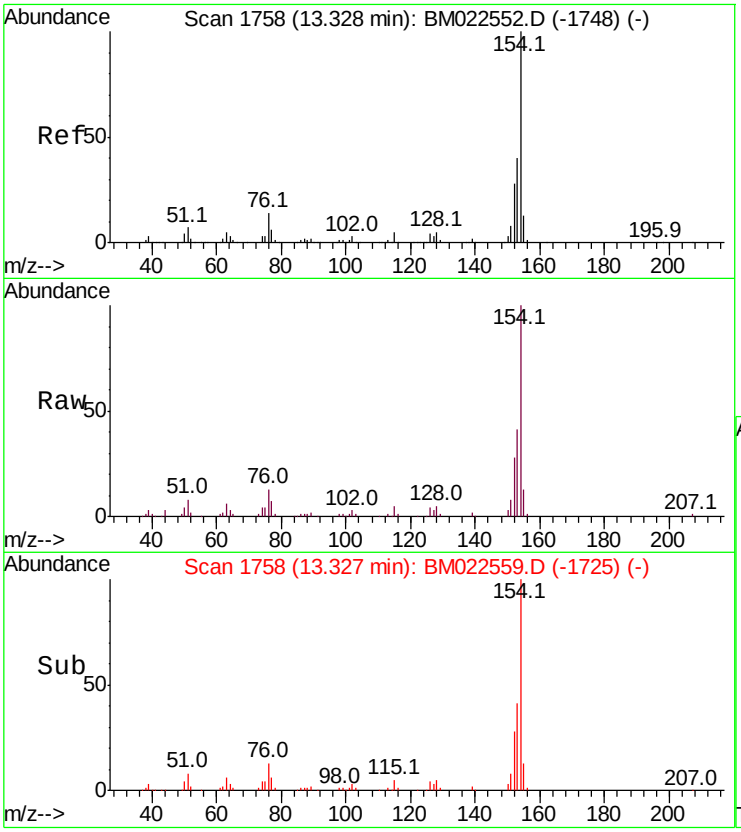


#40
2,4,5-Trichlorophenol
Concen: 2.730 ng/ul
RT: 12.99 min Scan# 1700
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Tgt Ion:196 Resp: 36575

Ion	Ratio	Lower	Upper
196	100		
198	97.8	77.4	116.0
200	32.0	24.0	36.0



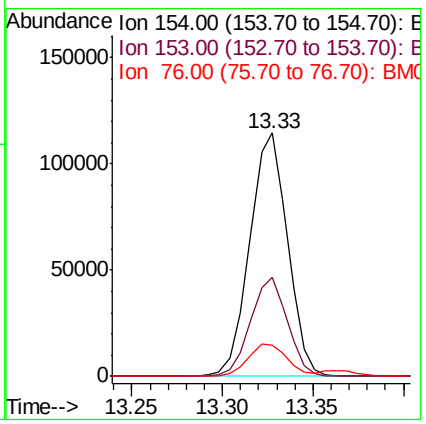


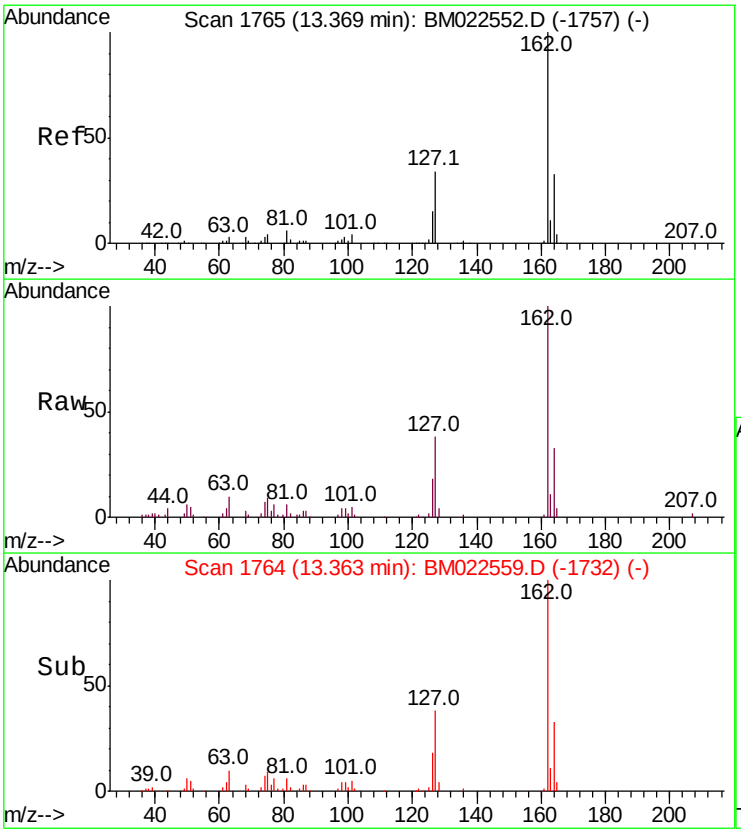
#41
1,1'-Biphenyl
Concen: 3.251 ng/ul
RT: 13.33 min Scan# 1758
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Instrument :
BNA_M
ClientSampleId :
MDL-W-06

Tgt Ion:154 Resp: 165580

Ion	Ratio	Lower	Upper
154	100		
153	40.7	32.1	48.1
76	12.9	10.2	15.2

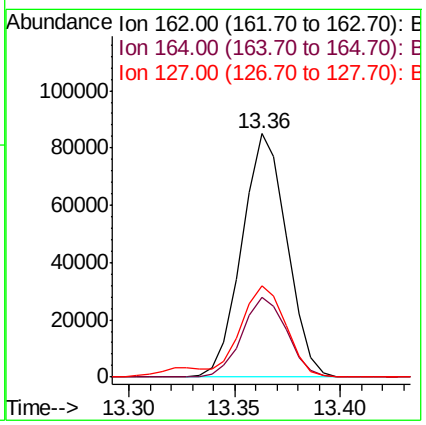


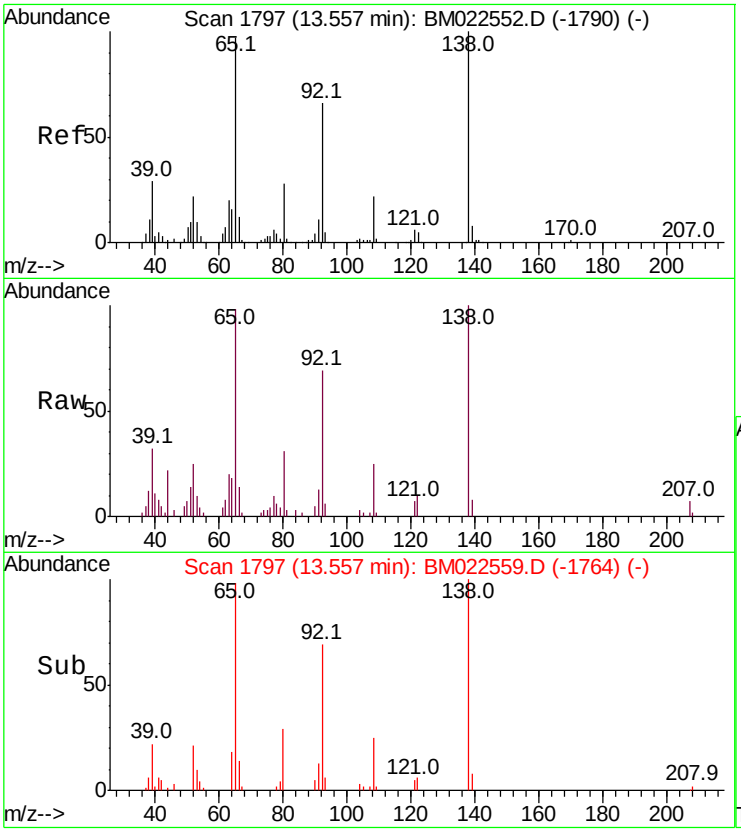


#42
2-Chloronaphthalene
Concen: 3.260 ng/ul
RT: 13.36 min Scan# 1764
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Tgt Ion:162 Resp: 125684

Ion	Ratio	Lower	Upper
162	100		
164	32.5	26.1	39.1
127	37.7	30.1	45.1



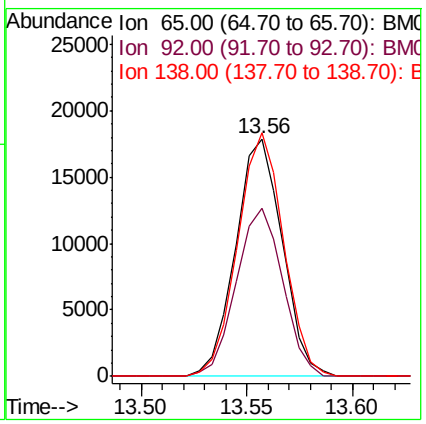


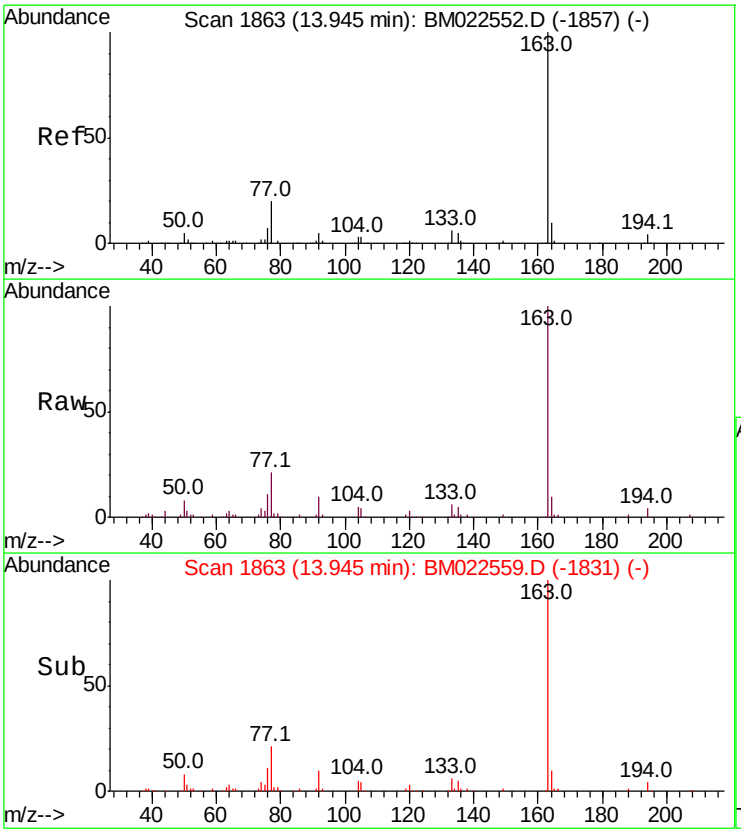
#43
2-Nitroaniline
Concen: 3.051 ng/ul
RT: 13.56 min Scan# 1797
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Instrument :
BNA_M
ClientSampleId :
MDL-W-06

Tgt Ion: 65 Resp: 27466

Ion	Ratio	Lower	Upper
65	100		
92	70.8	55.7	83.5
138	102.6	86.0	129.0

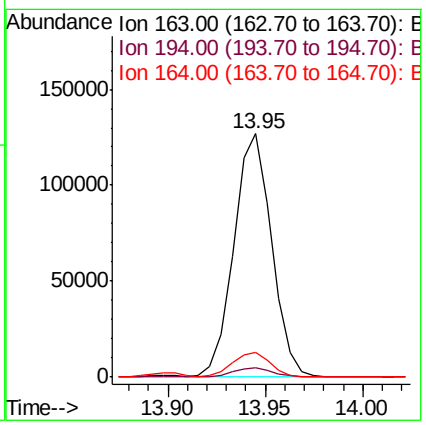


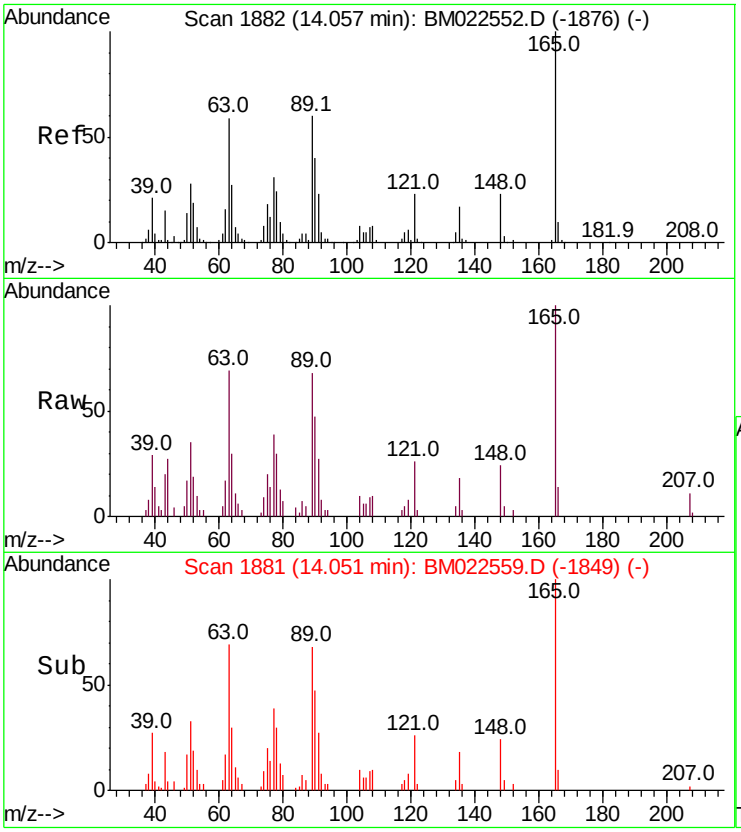


#45
Dimethylphthalate
Concen: 3.374 ng/ul
RT: 13.95 min Scan# 1863
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Tgt Ion:163 Resp: 169747

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.2	4.8
164	10.0	7.8	11.8



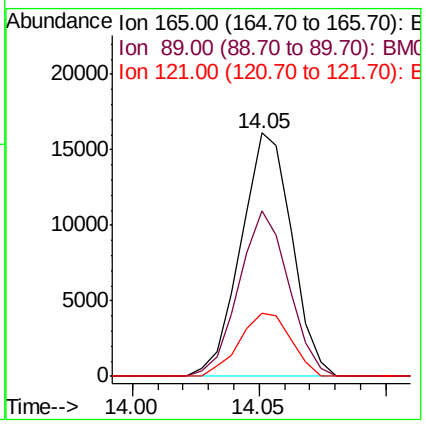


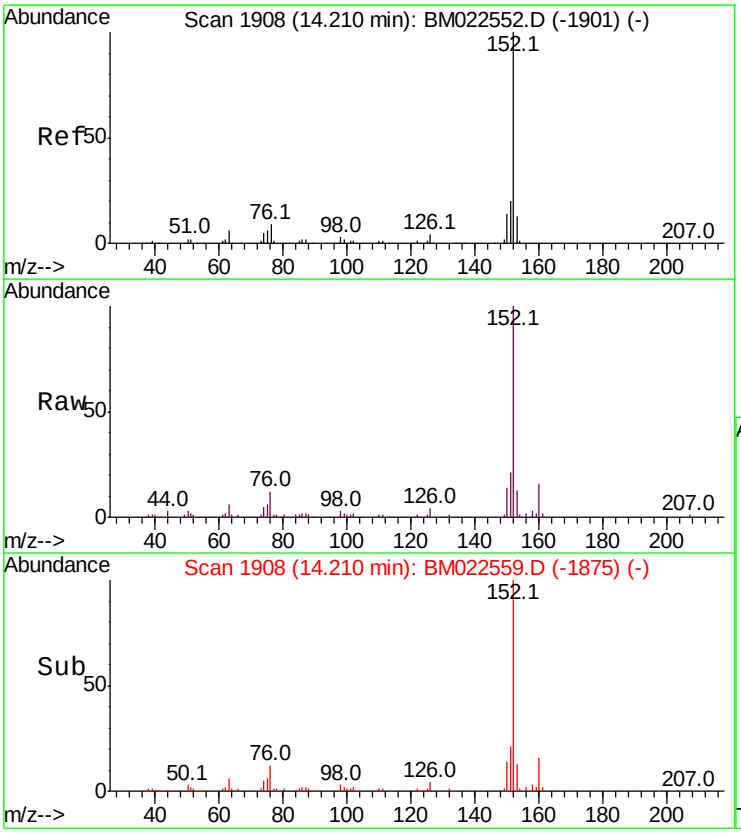
#46
2,6-Dinitrotoluene
Concen: 2.761 ng/ul
RT: 14.05 min Scan# 1881
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Instrument :
BNA_M
ClientSampleId :
MDL-W-06

Tgt Ion:165 Resp: 22615

Ion	Ratio	Lower	Upper
165	100		
89	67.8	47.7	71.5
121	25.8	18.4	27.6

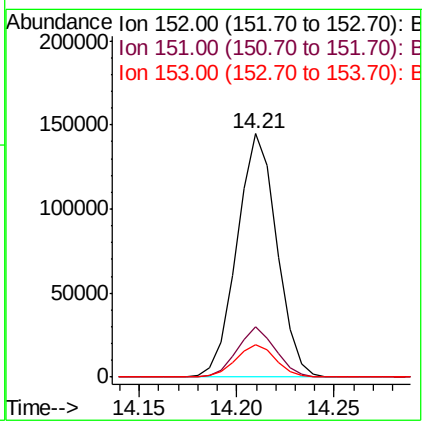


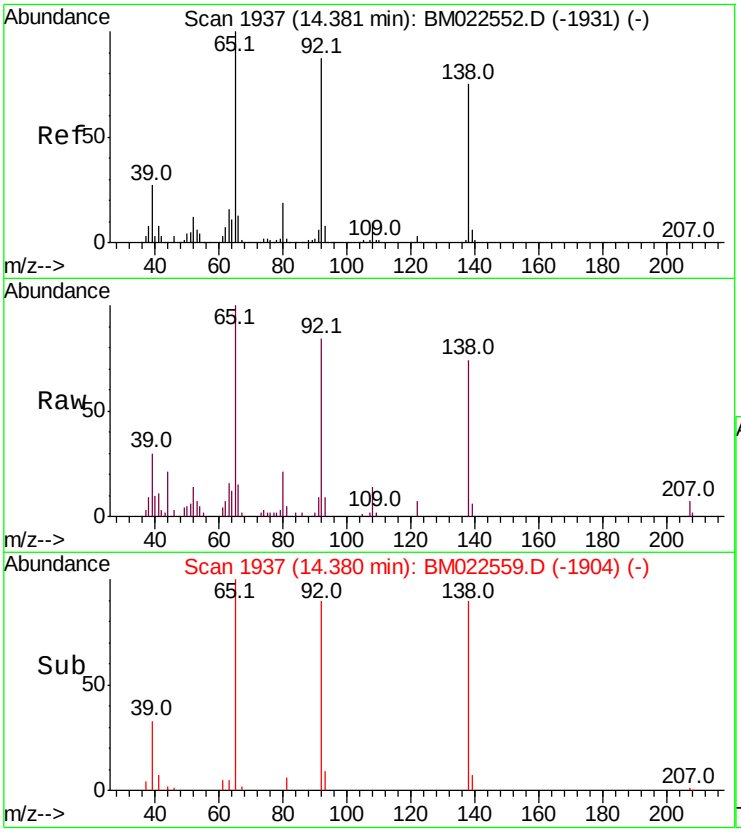


#48
Acenaphthylene
Concen: 3.329 ng/ul
RT: 14.21 min Scan# 1908
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Tgt Ion:152 Resp: 204903

Ion	Ratio	Lower	Upper
152	100		
151	20.7	15.8	23.8
153	13.1	10.4	15.6



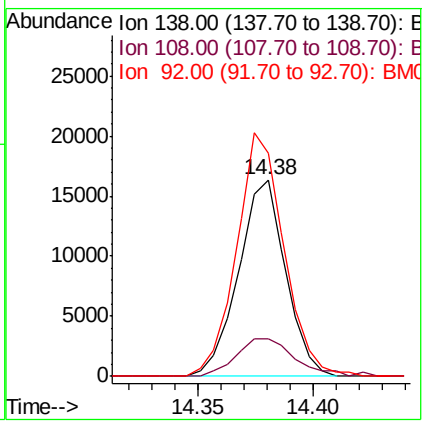


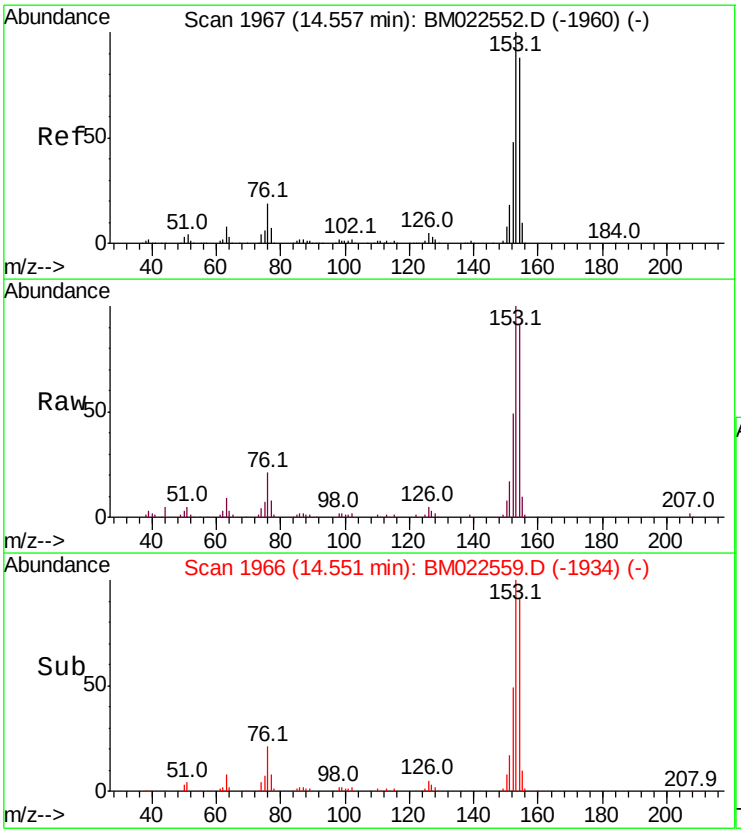
#49
3-Nitroaniline
Concen: 2.618 ng/ul
RT: 14.38 min Scan# 1937
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Instrument :
BNA_M
ClientSampleId :
MDL-W-06

Tgt Ion:138 Resp: 23252

Ion	Ratio	Lower	Upper
138	100		
108	19.0	13.5	20.3
92	113.1	93.7	140.5

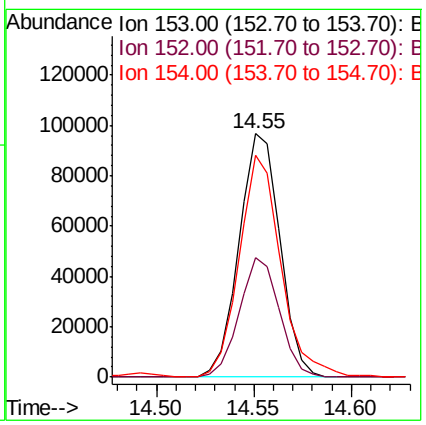


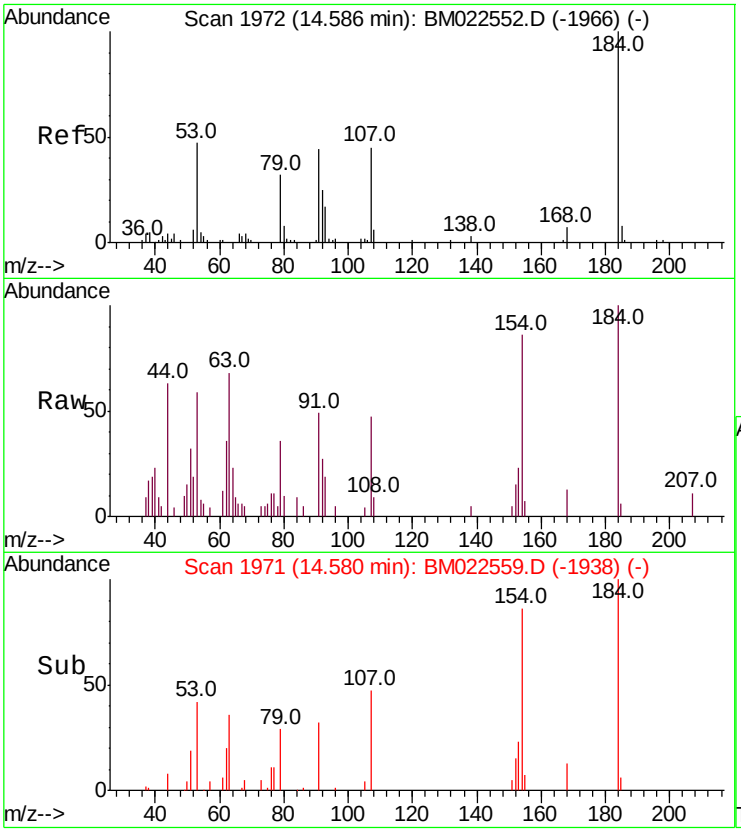


#50
Acenaphthene
Concen: 3.288 ng/ul
RT: 14.55 min Scan# 1966
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Tgt Ion:153 Resp: 140234

Ion	Ratio	Lower	Upper
153	100		
152	48.8	37.5	56.3
154	90.9	71.4	107.0



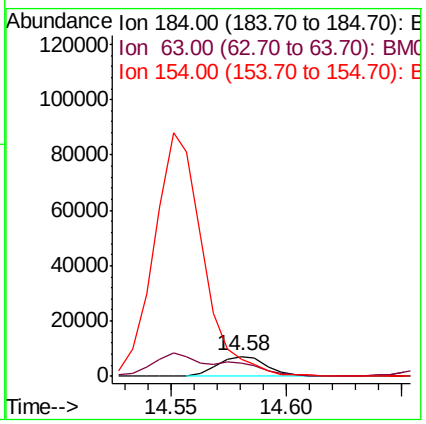


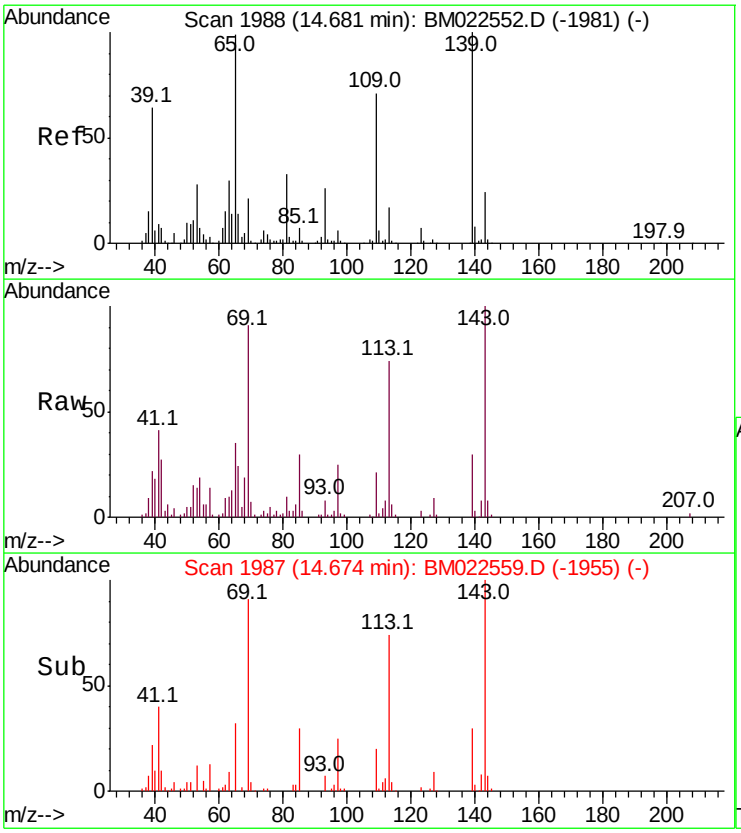
#51
2,4-Dinitrophenol
Concen: 2.909 ng/ul
RT: 14.58 min Scan# 1971
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Instrument :
BNA_M
ClientSampleId :
MDL-W-06

Tgt Ion:184 Resp: 10931

Ion	Ratio	Lower	Upper
184	100		
63	67.9	51.5	77.3
154	86.4	81.9	122.9

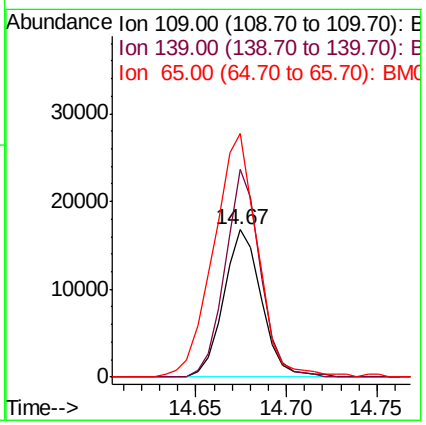


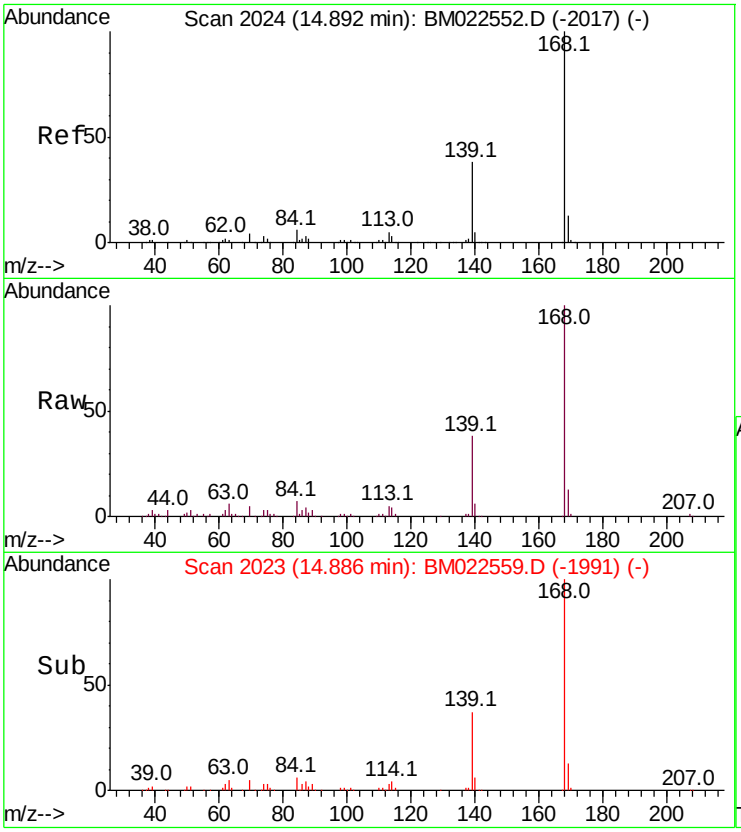


#53
4-Nitrophenol
Concen: 3.578 ng/ul
RT: 14.67 min Scan# 1987
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Tgt Ion:109 Resp: 24336

Ion	Ratio	Lower	Upper
109	100		
139	140.8	107.6	161.4
65	165.2	101.9	152.9#



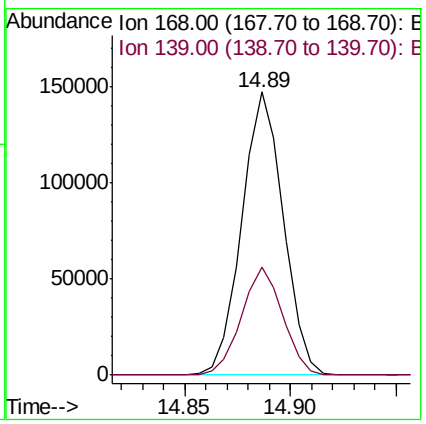


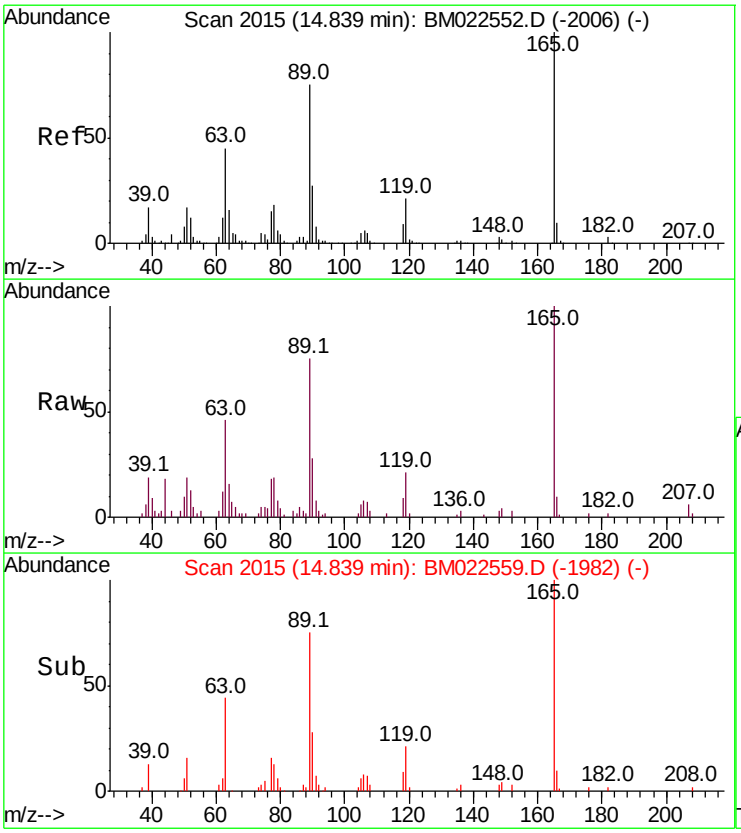
#54
Dibenzofuran
Concen: 3.400 ng/ul
RT: 14.89 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Instrument :
BNA_M
ClientSampleId :
MDL-W-06

Tgt Ion:168 Resp: 201249

Ion	Ratio	Lower	Upper
168	100		
139	38.1	29.5	44.3

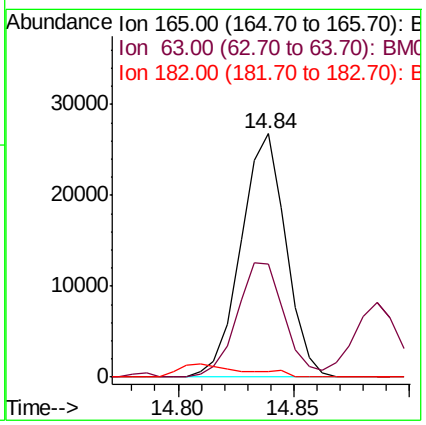


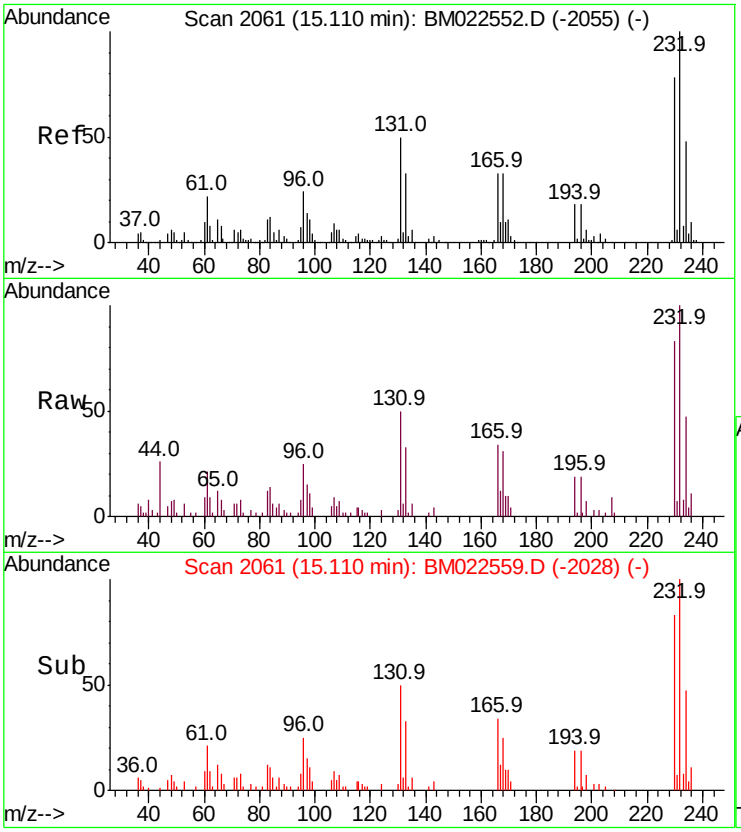


#55
2,4-Dinitrotoluene
Concen: 3.031 ng/ul
RT: 14.84 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Tgt Ion:165 Resp: 36367

Ion	Ratio	Lower	Upper
165	100		
63	46.4	35.7	53.5
182	2.1	2.2	3.2#



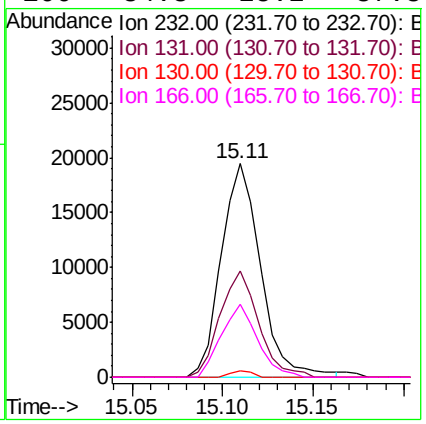


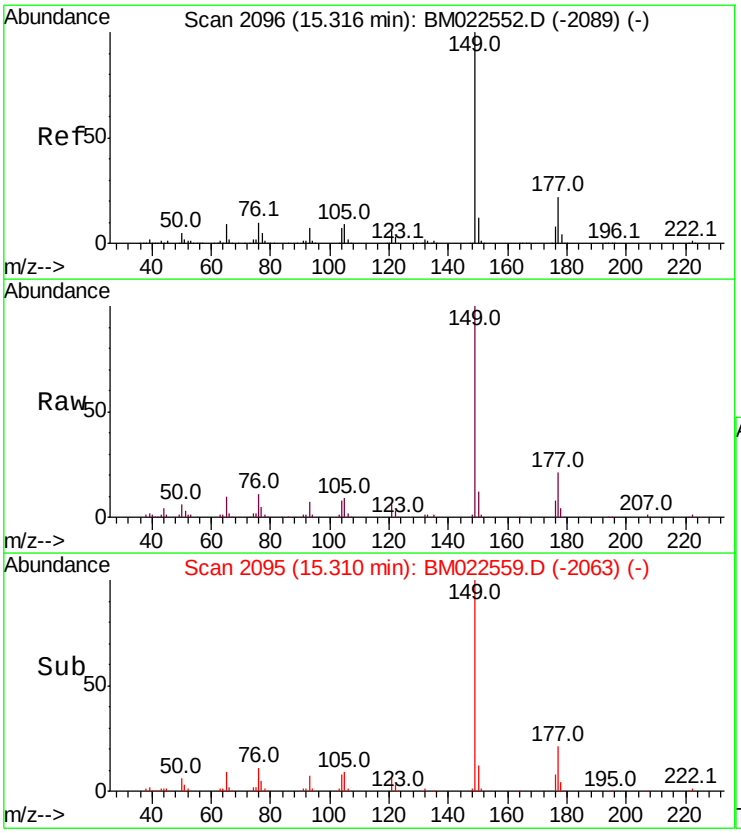
#56
2,3,4,6-Tetrachlorophenol
Concen: 2.635 ng/ul
RT: 15.11 min Scan# 2061
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Instrument :
BNA_M
ClientSampleId :
MDL-W-06

Tgt Ion:232 Resp: 29317

Ion	Ratio	Lower	Upper
232	100		
131	49.6	36.9	55.3
130	3.0	2.0	3.0#
166	34.3	25.2	37.8

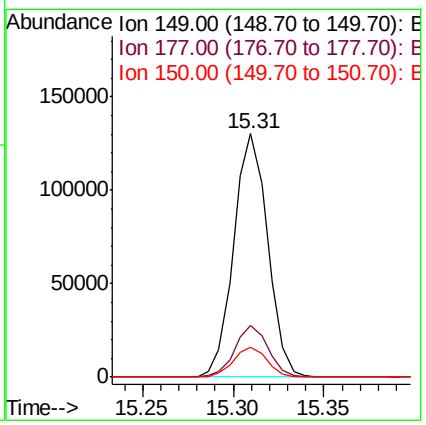


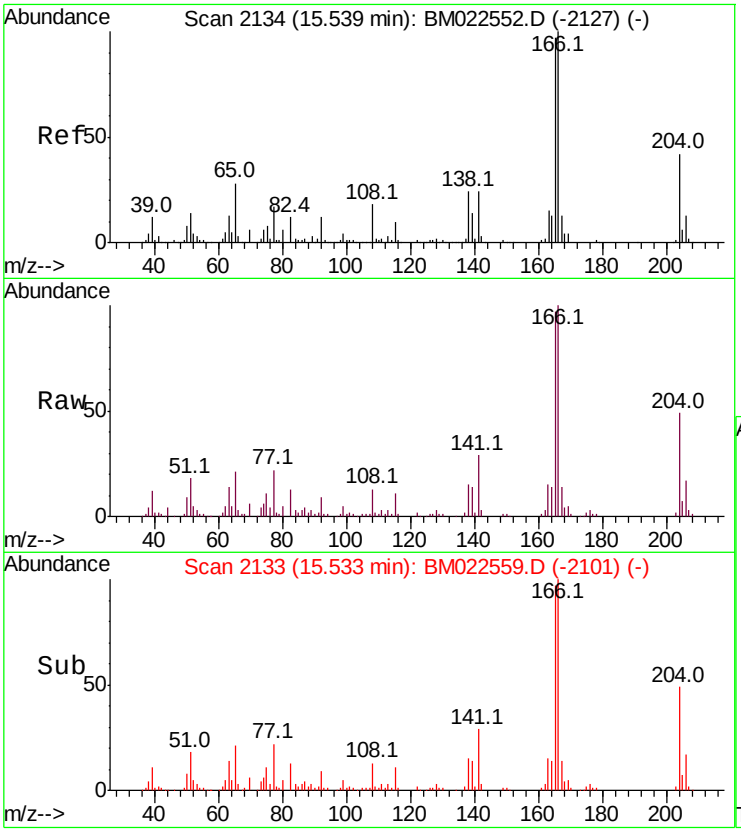


#57
Diethylphthalate
Concen: 3.266 ng/ul
RT: 15.31 min Scan# 2095
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Tgt Ion:149 Resp: 170007

Ion	Ratio	Lower	Upper
149	100		
177	21.4	17.3	25.9
150	12.5	10.2	15.2



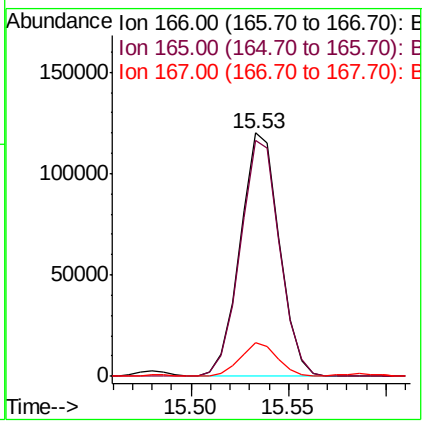


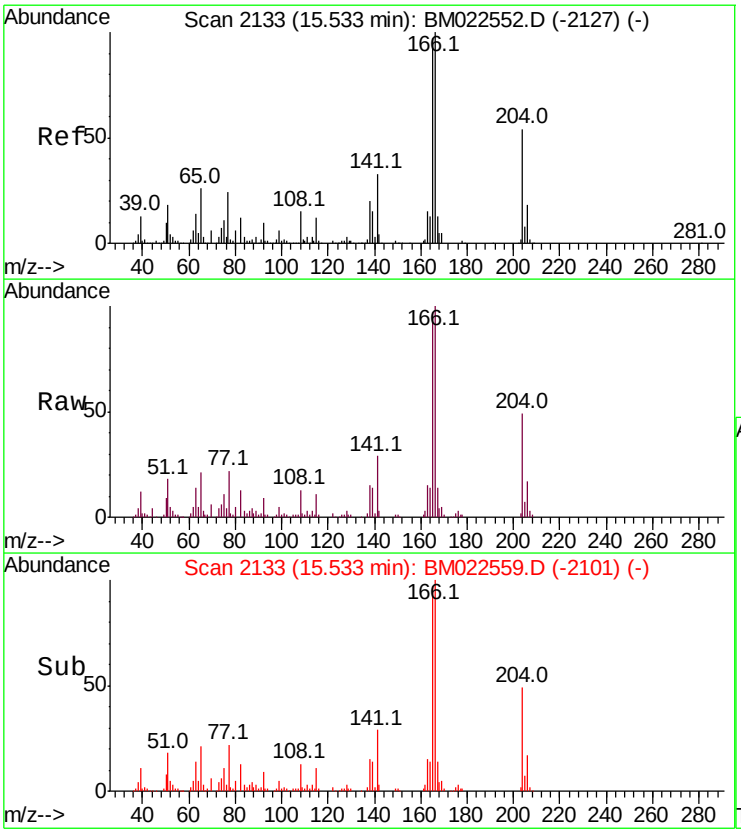
#59
Fluorene
Concen: 3.428 ng/ul
RT: 15.53 min Scan# 2133
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Instrument :
BNA_M
ClientSampleId :
MDL-W-06

Tgt Ion:166 Resp: 166954

Ion	Ratio	Lower	Upper
166	100		
165	97.0	77.8	116.8
167	13.8	10.9	16.3

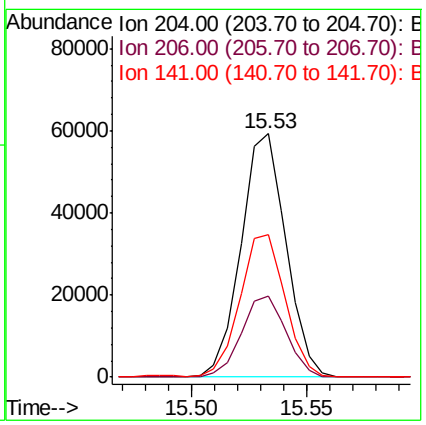


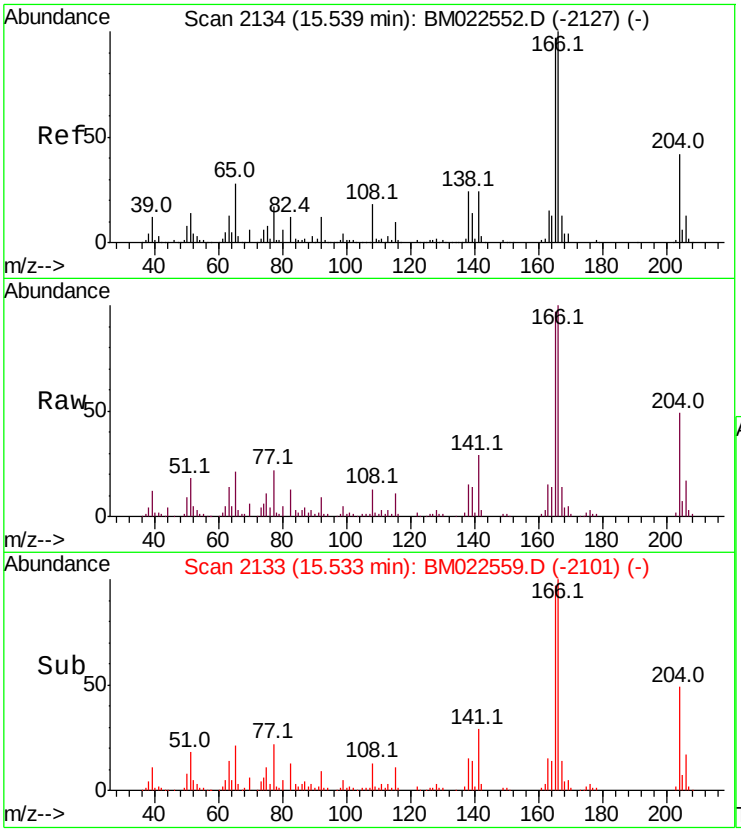


#60
4-Chlorophenyl-phenylether
Concen: 3.338 ng/ul
RT: 15.53 min Scan# 2133
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Tgt Ion:204 Resp: 80442

Ion	Ratio	Lower	Upper
204	100		
206	33.6	26.0	39.0
141	58.6	45.4	68.2



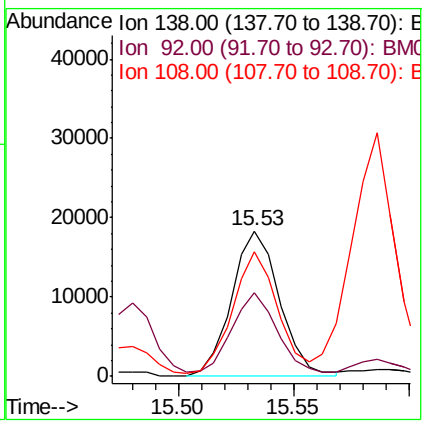


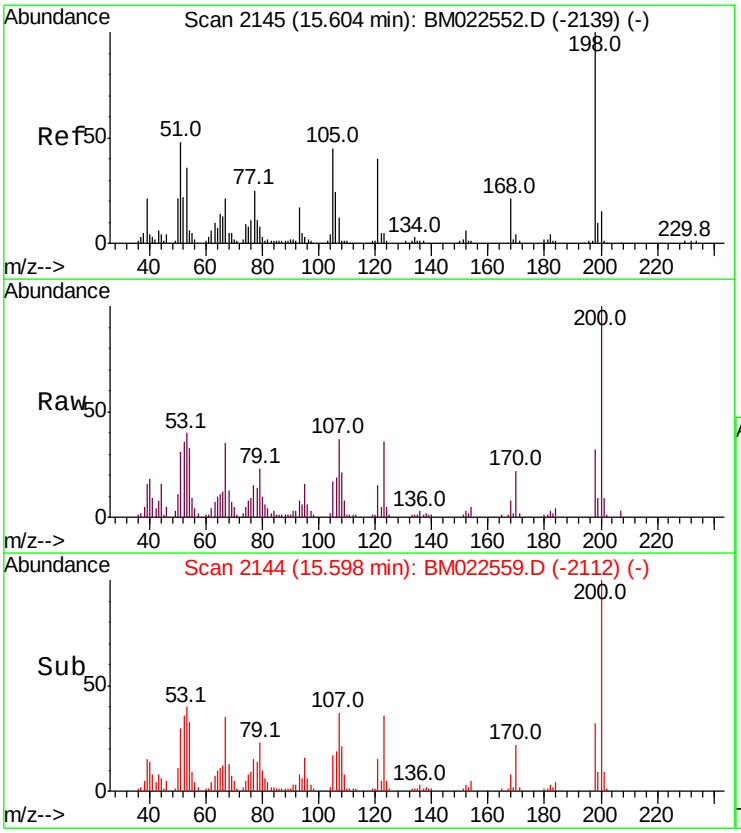
#61
4-Nitroaniline
Concen: 2.620 ng/ul
RT: 15.53 min Scan# 2133
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Instrument :
BNA_M
ClientSampleId :
MDL-W-06

Tgt Ion:138 Resp: 26515

Ion	Ratio	Lower	Upper
138	100		
92	57.2	40.3	60.5
108	85.8	62.2	93.2

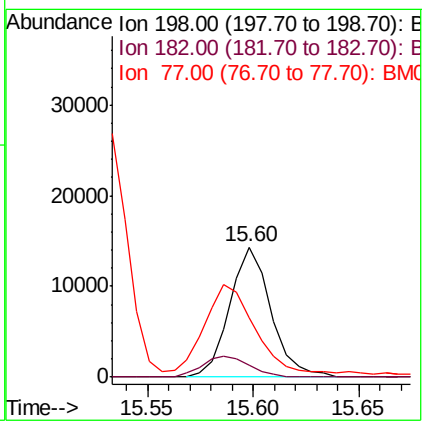


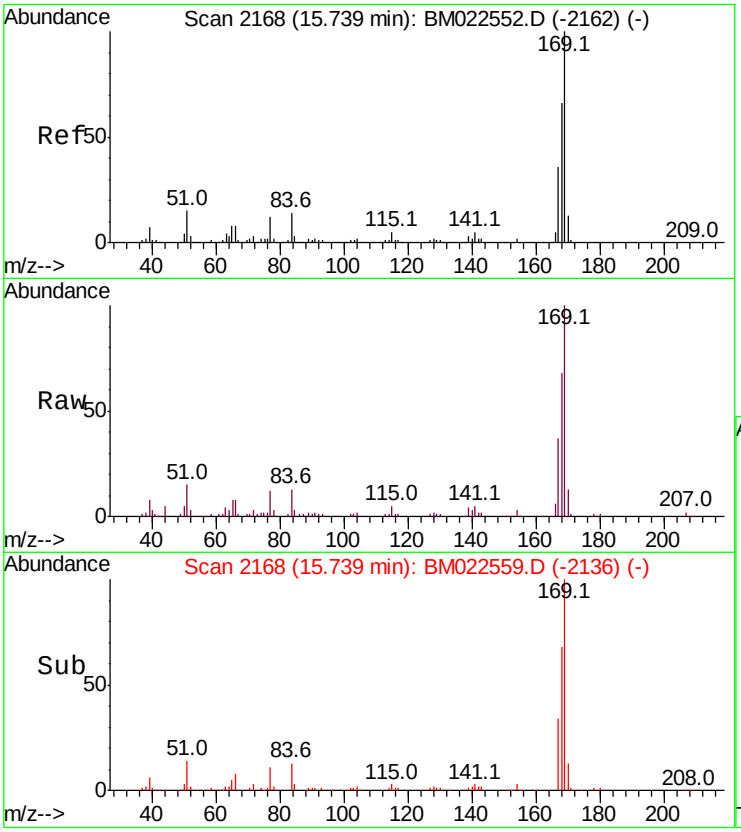


#64
4,6-Dinitro-2-methylphenol
Concen: 2.827 ng/ul
RT: 15.60 min Scan# 2144
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Tgt Ion:198 Resp: 19461

Ion	Ratio	Lower	Upper
198	100		
182	8.8	3.4	5.0#
77	45.6	19.7	29.5#



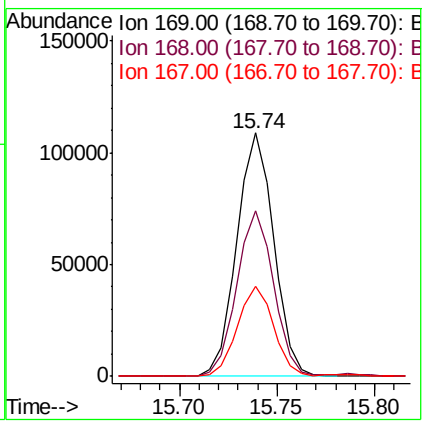


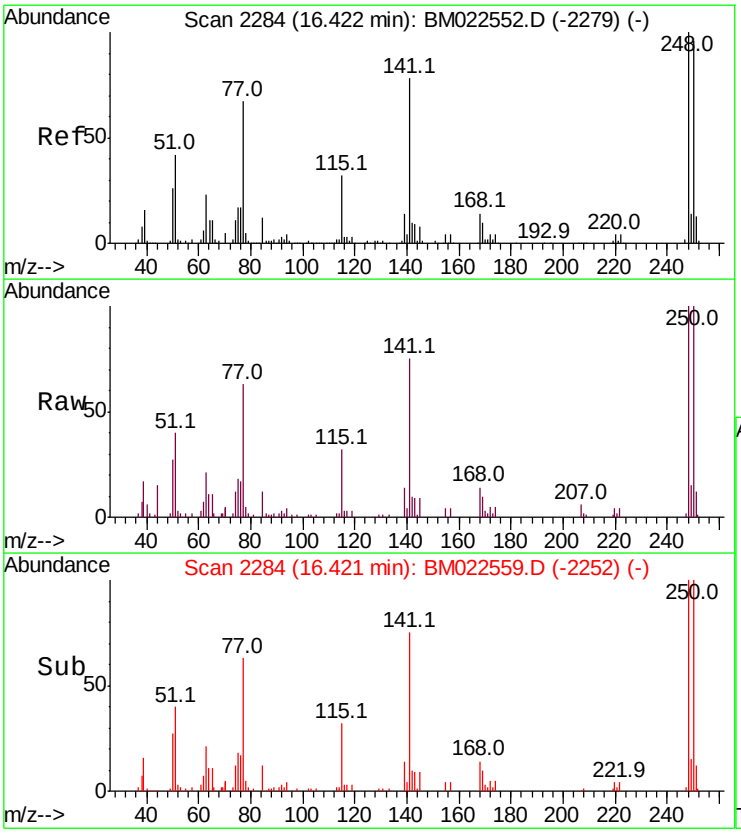
#65
N-Nitrosodiphenylamine
Concen: 3.200 ng/ul
RT: 15.74 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Instrument :
BNA_M
ClientSampleId :
MDL-W-06

Tgt Ion:169 Resp: 142924

Ion	Ratio	Lower	Upper
169	100		
168	67.9	53.5	80.3
167	36.8	29.5	44.3

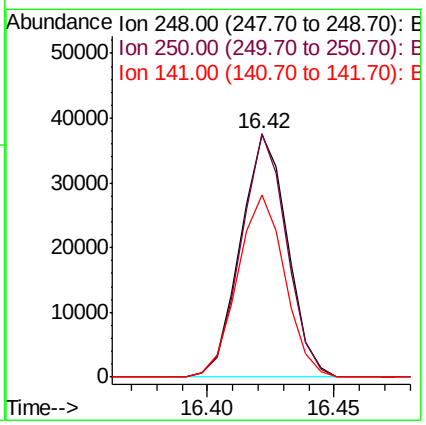


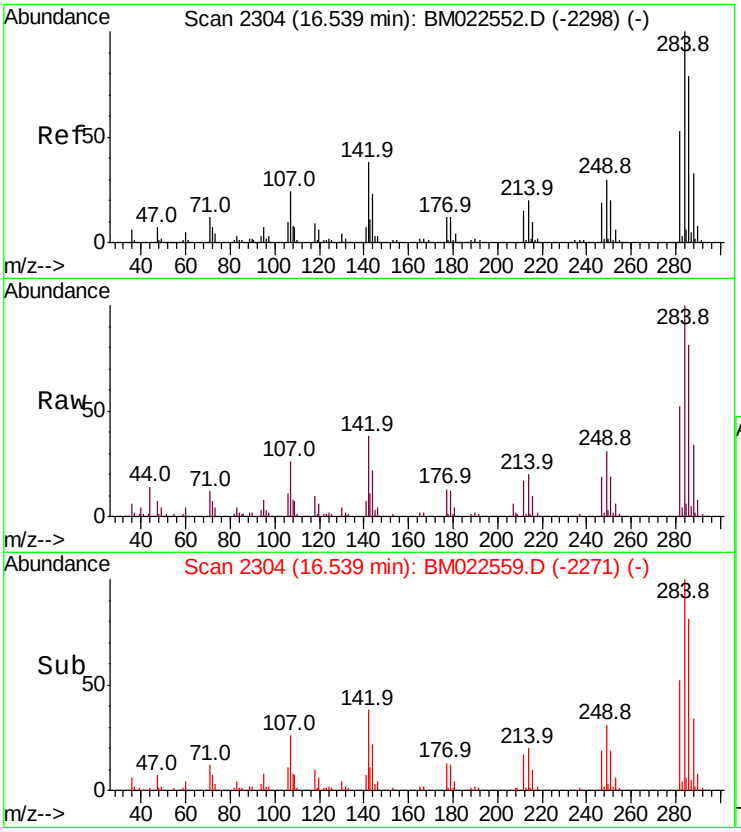


#66
4-Bromophenyl-phenylether
Concen: 2.964 ng/ul
RT: 16.42 min Scan# 2284
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Tgt Ion:248 Resp: 48471

Ion	Ratio	Lower	Upper
248	100		
250	100.3	76.3	114.5
141	75.1	57.0	85.4



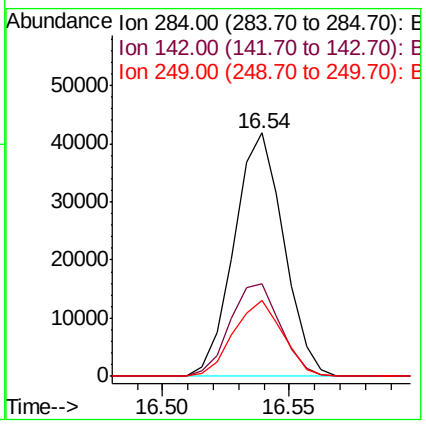


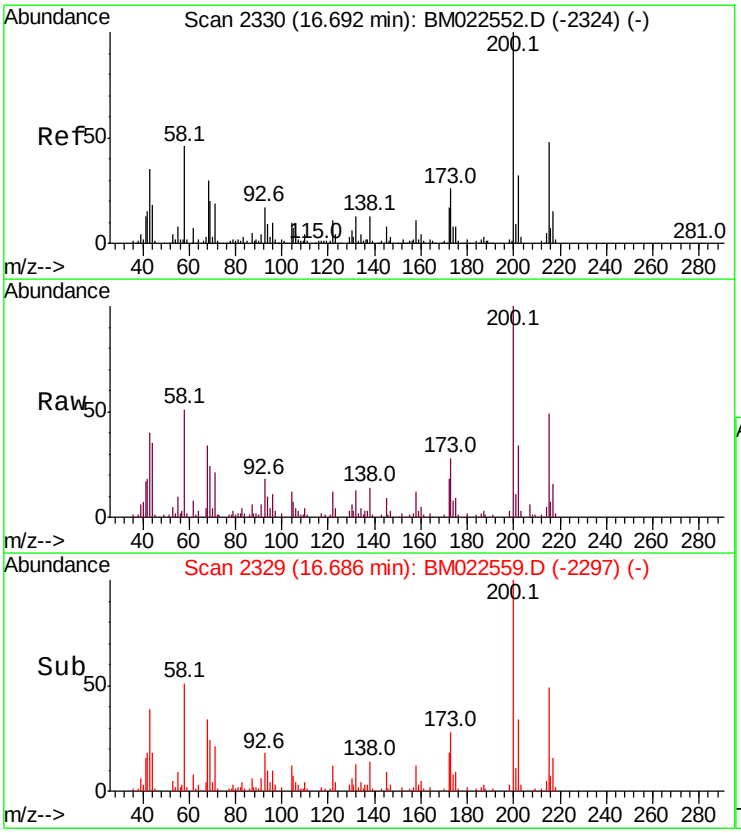
#67
Hexachlorobenzene
Concen: 3.157 ng/ul
RT: 16.54 min Scan# 2304
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Instrument :
BNA_M
ClientSampleId :
MDL-W-06

Tgt Ion:284 Resp: 56898

Ion	Ratio	Lower	Upper
284	100		
142	38.2	29.3	43.9
249	31.4	24.7	37.1

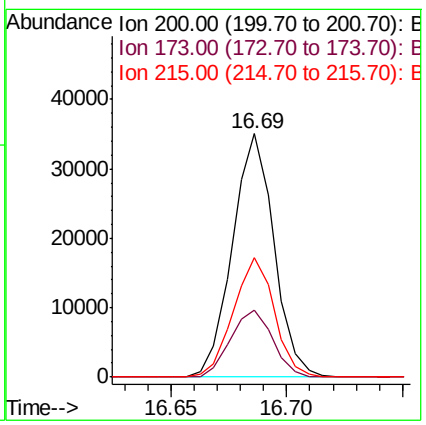


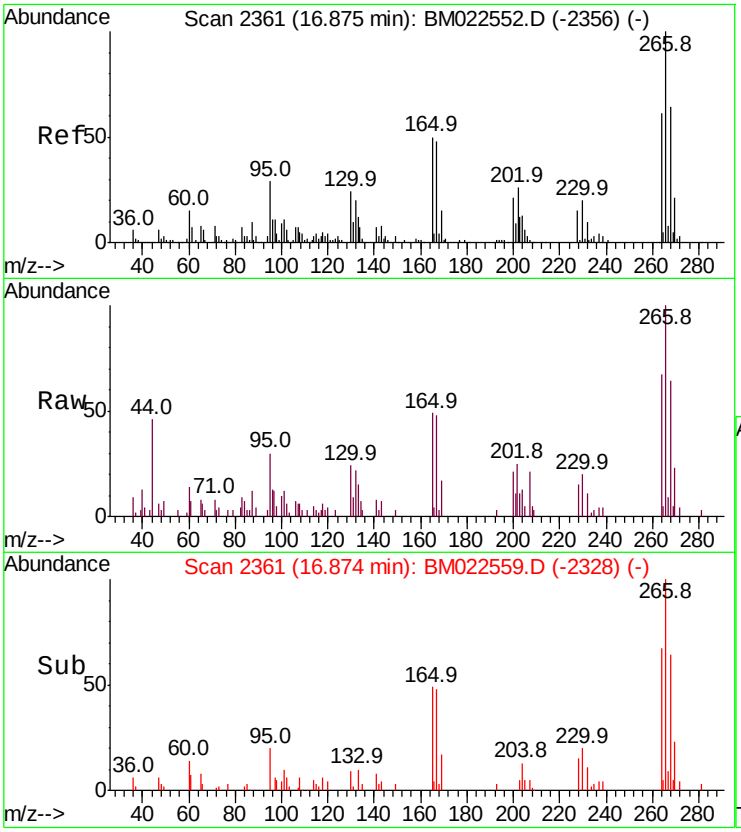


#68
Atrazine
Concen: 2.565 ng/ul
RT: 16.69 min Scan# 2329
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Tgt Ion:200 Resp: 44039

Ion	Ratio	Lower	Upper
200	100		
173	27.6	21.6	32.4
215	48.9	39.0	58.4



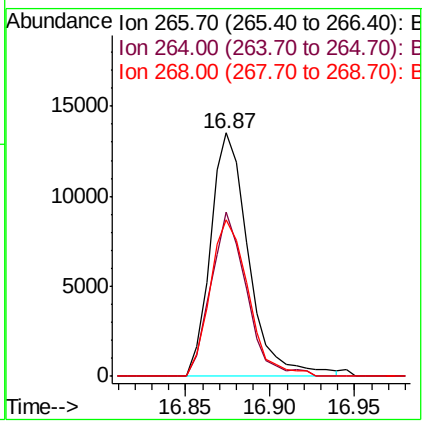


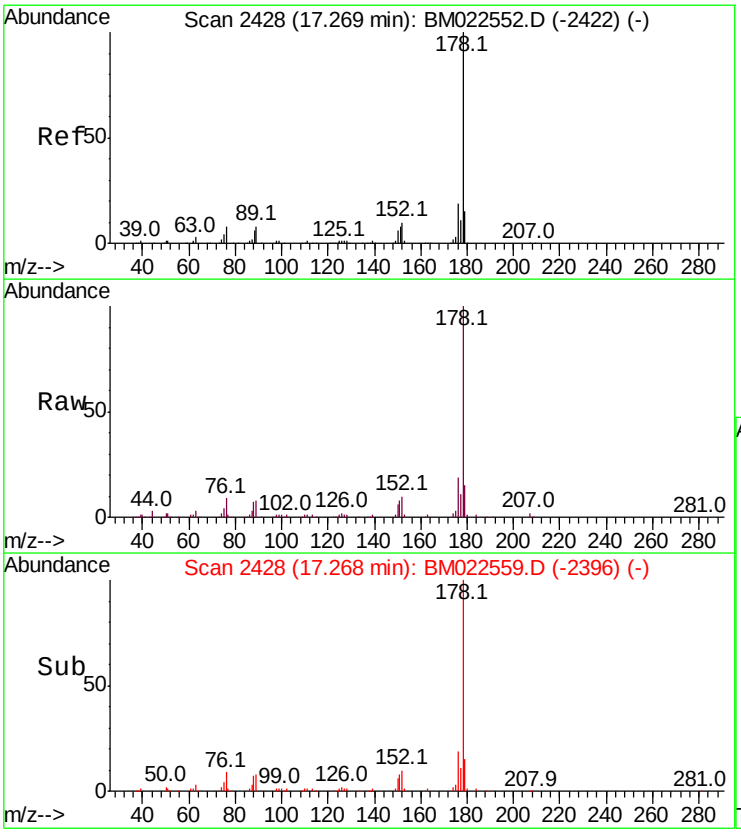
#69
Pentachlorophenol
Concen: 2.136 ng/ul
RT: 16.87 min Scan# 2361
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Instrument :
BNA_M
ClientSampleId :
MDL-W-06

Tgt Ion:266 Resp: 21243

Ion	Ratio	Lower	Upper
266	100		
264	67.3	50.8	76.2
268	64.1	50.9	76.3

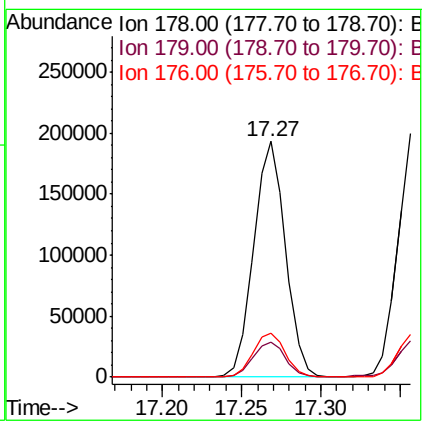


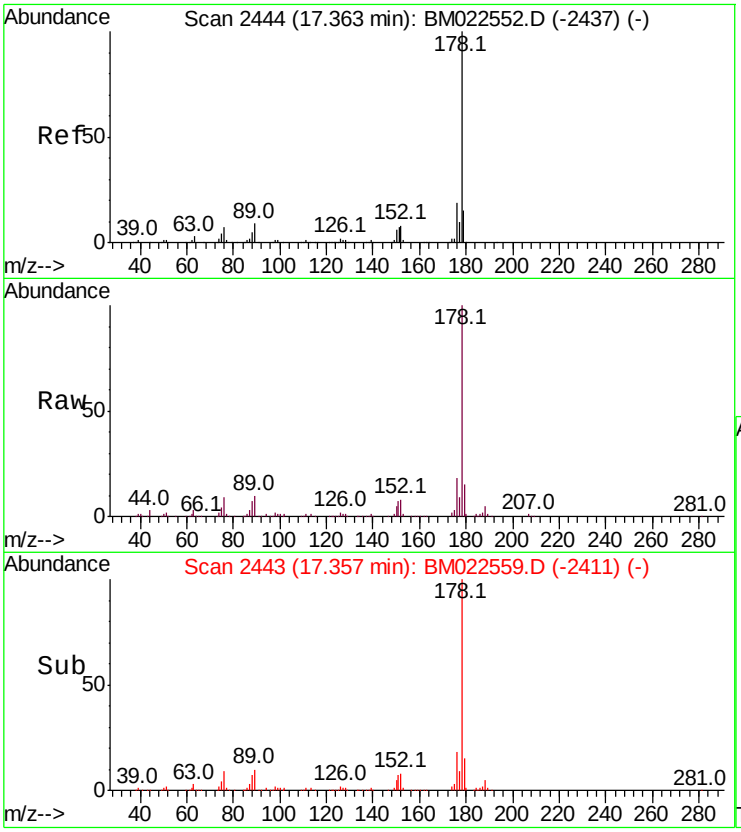


#70
Phenanthrene
Concen: 3.360 ng/ul
RT: 17.27 min Scan# 2428
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Tgt Ion:178 Resp: 269299

Ion	Ratio	Lower	Upper
178	100		
179	14.6	12.0	18.0
176	18.9	15.4	23.0



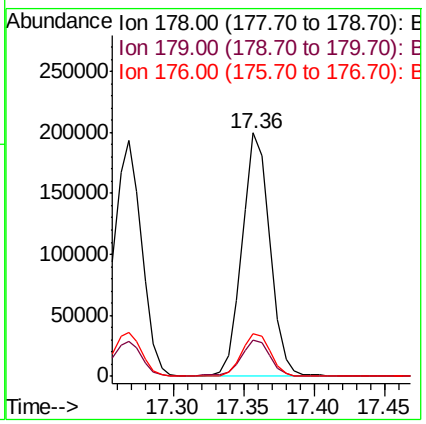


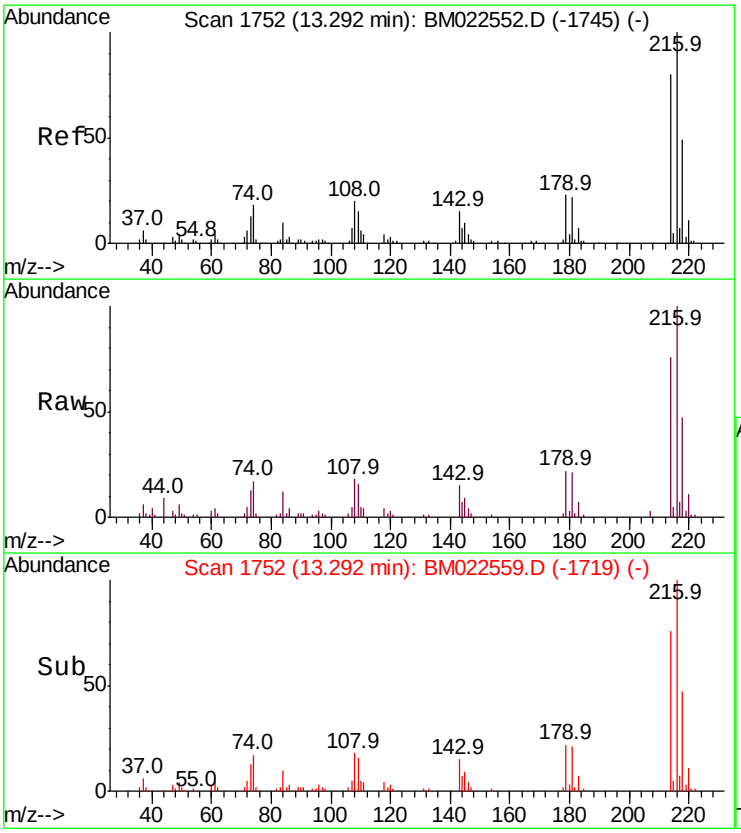
#72
Anthracene
Concen: 3.340 ng/ul
RT: 17.36 min Scan# 2443
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Instrument :
BNA_M
ClientSampleId :
MDL-W-06

Tgt Ion:178 Resp: 274983

Ion	Ratio	Lower	Upper
178	100		
179	15.0	12.3	18.5
176	17.7	14.7	22.1

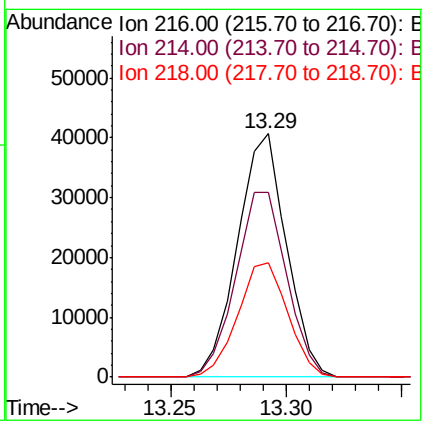


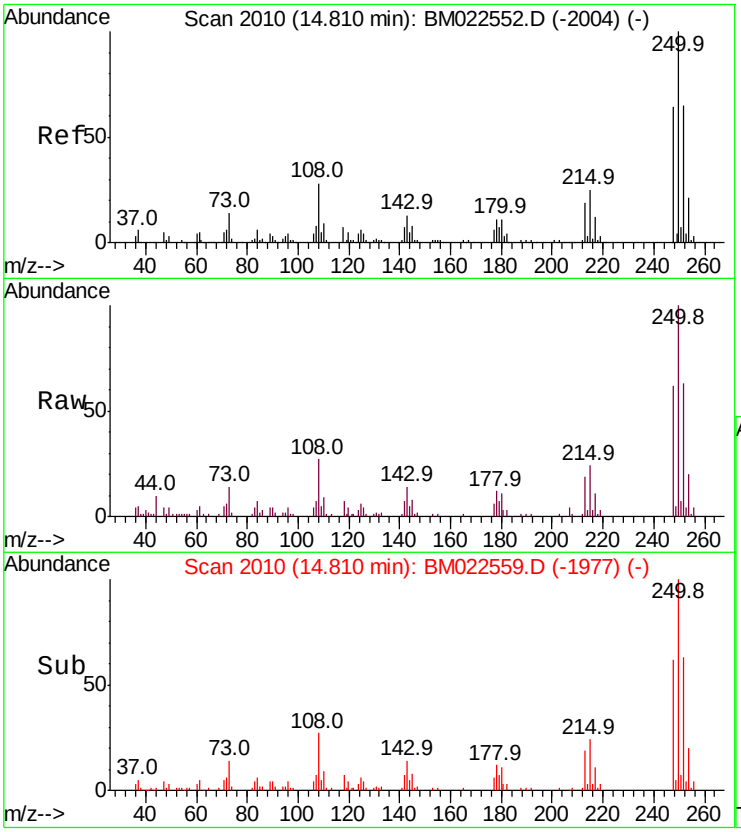


#73
1,2,3,4-Tetrachlorobenzene
Concen: 2.952 ng/uL
RT: 13.29 min Scan# 1752
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Tgt Ion:216 Resp: 60145

Ion	Ratio	Lower	Upper
216	100		
214	75.7	62.5	93.7
218	47.1	38.2	57.4



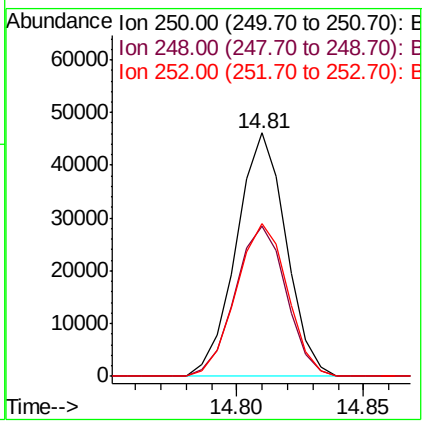


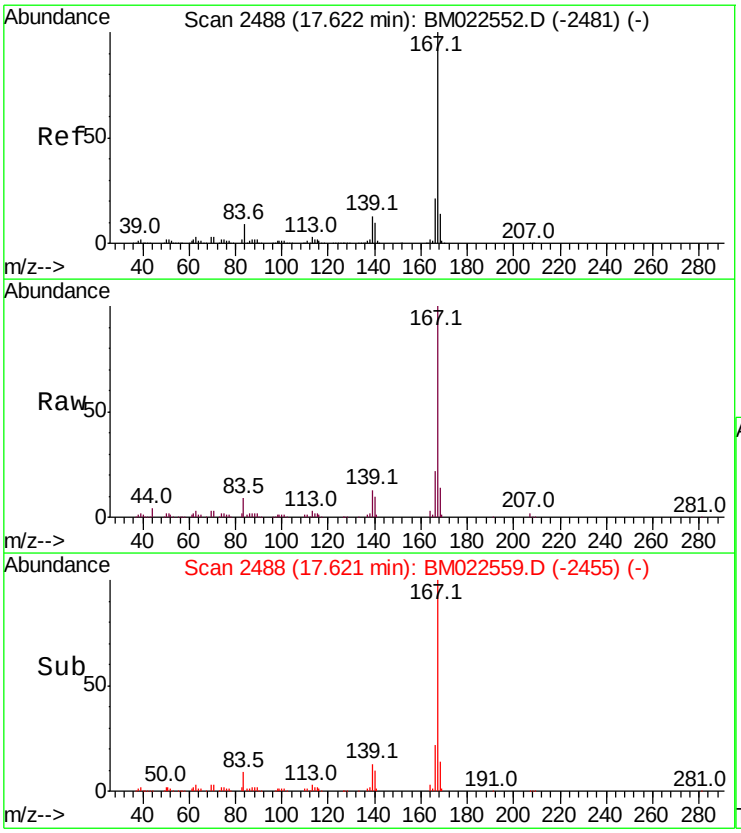
#74
Pentachlorobenzene
Concen: 3.075 ng/uL
RT: 14.81 min Scan# 2010
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Instrument :
BNA_M
ClientSampleId :
MDL-W-06

Tgt Ion:250 Resp: 63165

Ion	Ratio	Lower	Upper
250	100		
248	61.9	51.3	76.9
252	62.8	51.1	76.7

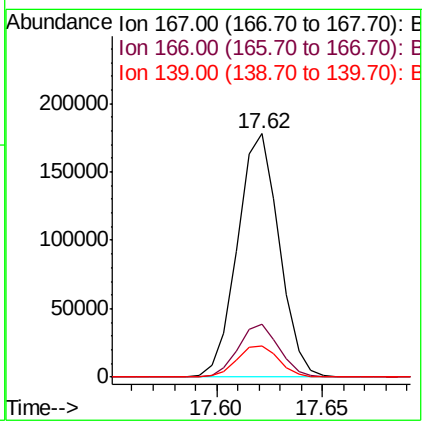


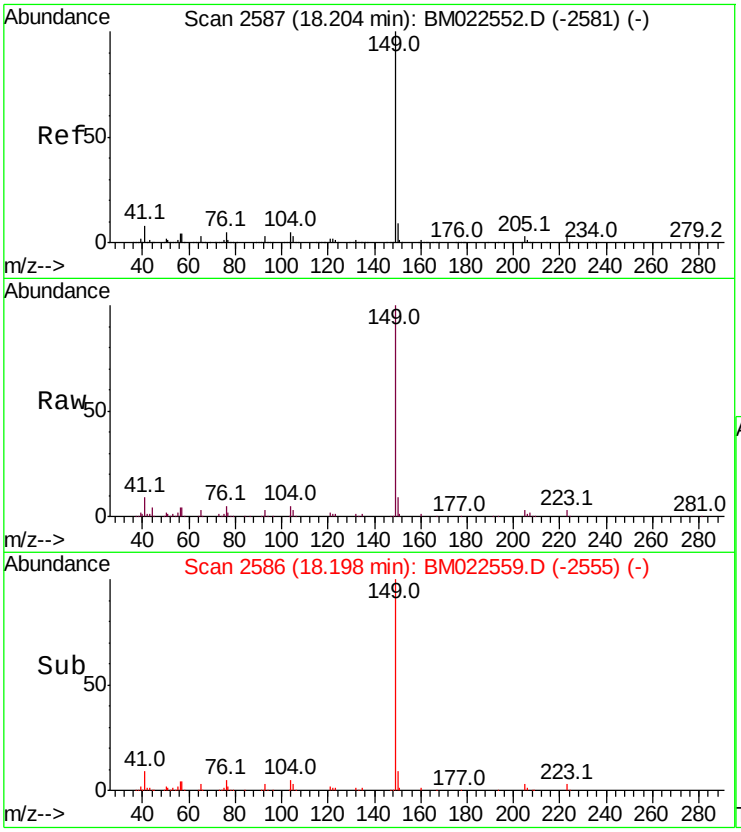


#75
Carbazole
Concen: 3.294 ng/ul
RT: 17.62 min Scan# 2488
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Tgt Ion:167 Resp: 243708

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.4	26.0
139	12.6	10.6	15.8



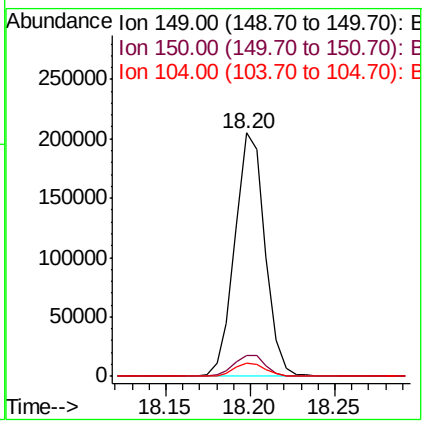


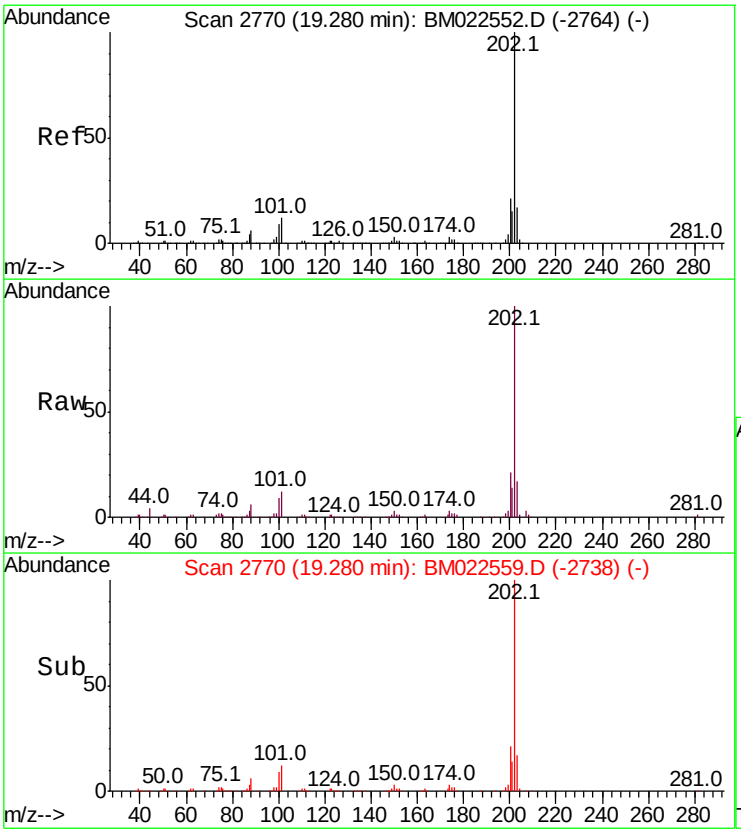
#76
Di-n-butylphthalate
Concen: 2.726 ng/ul
RT: 18.20 min Scan# 2586
Delta R.T. -0.02 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Instrument :
BNA_M
ClientSampleId :
MDL-W-06

Tgt Ion:149 Resp: 255424

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.3	10.9
104	5.5	3.9	5.9

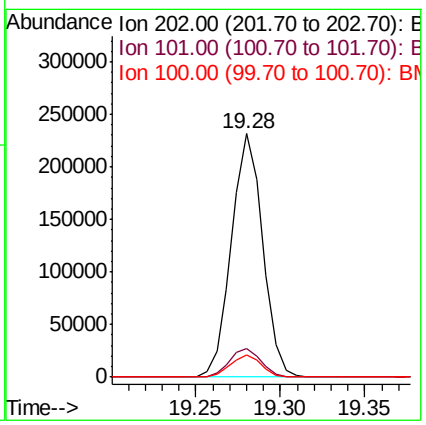


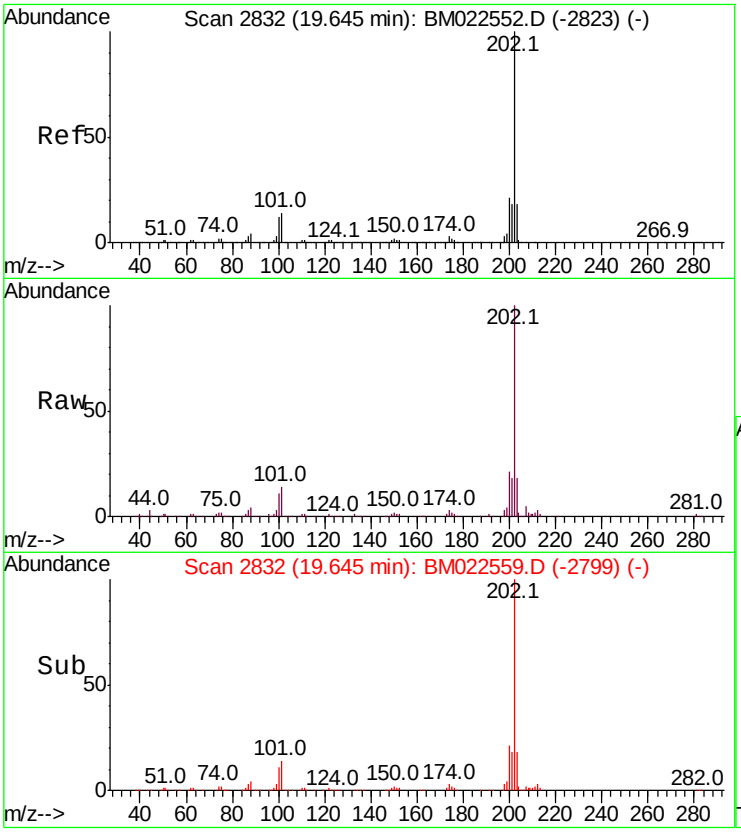


#77
Fluoranthene
Concen: 3.285 ng/ul
RT: 19.28 min Scan# 2770
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Tgt Ion:202 Resp: 298782

Ion	Ratio	Lower	Upper
202	100		
101	11.8	8.8	13.2
100	9.0	6.3	9.5



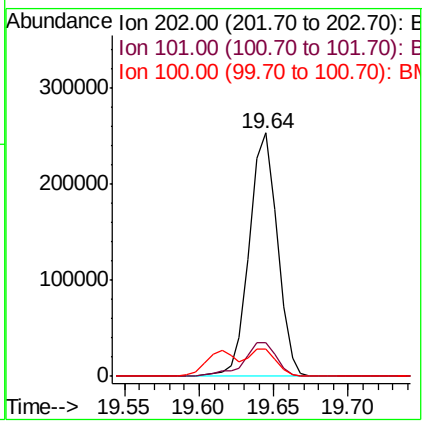


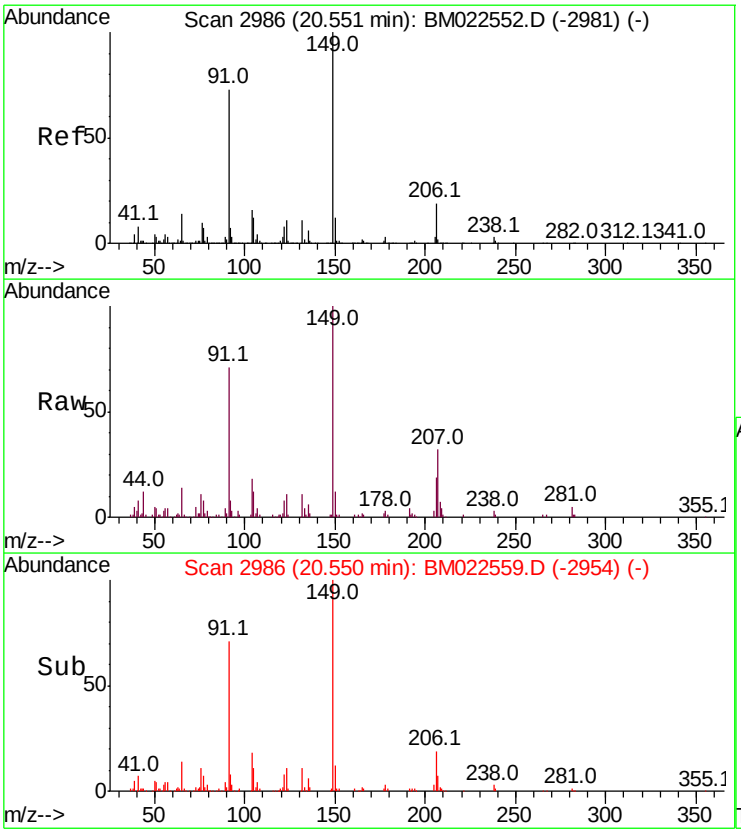
#80
Pyrene
Concen: 3.296 ng/ul
RT: 19.64 min Scan# 2832
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Instrument :
BNA_M
ClientSampleId :
MDL-W-06

Tgt Ion:202 Resp: 330401

Ion	Ratio	Lower	Upper
202	100		
101	13.8	10.6	16.0
100	11.0	8.6	13.0

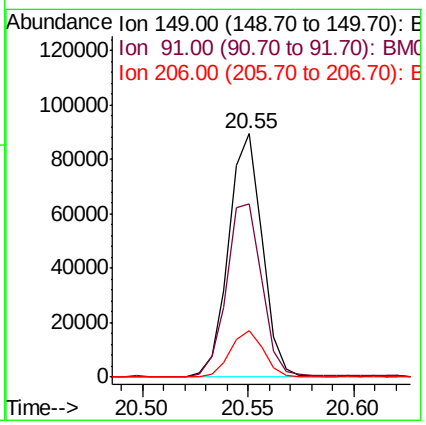


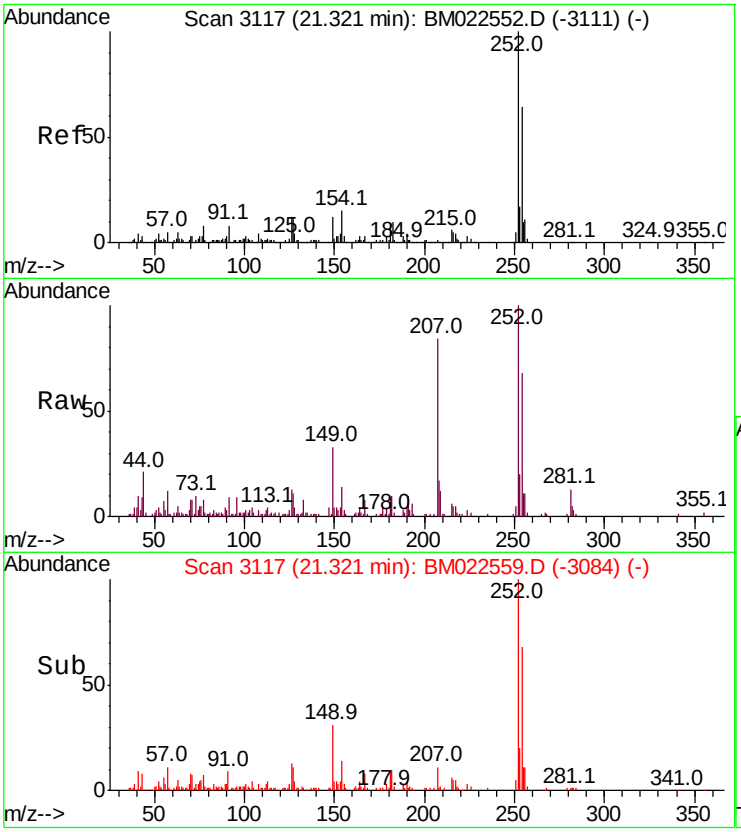


#81
Butylbenzylphthalate
Concen: 2.322 ng/ul
RT: 20.55 min Scan# 2986
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Tgt Ion:149 Resp: 98170

Ion	Ratio	Lower	Upper
149	100		
91	71.2	55.4	83.0
206	19.2	17.0	25.4



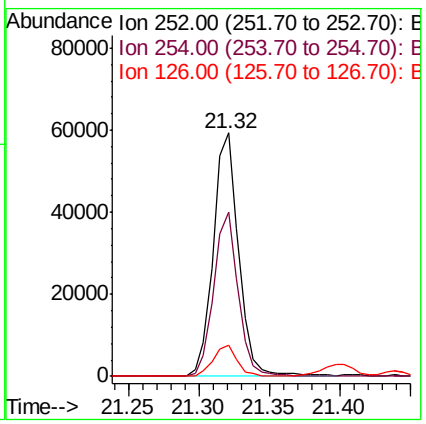


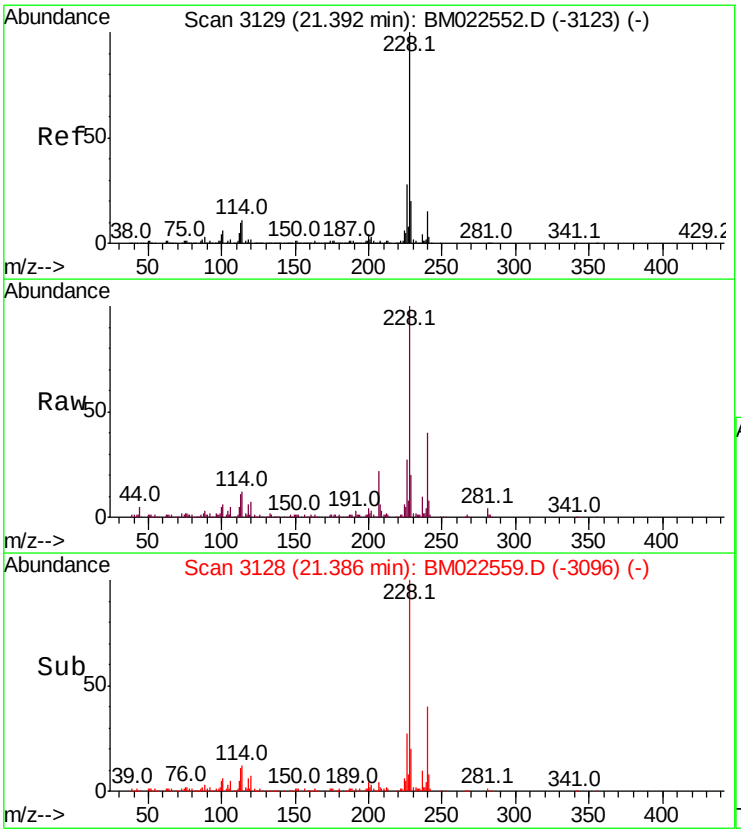
#82
3,3'-Dichlorobenzidine
Concen: 2.109 ng/ul
RT: 21.32 min Scan# 3117
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Instrument :
BNA_M
ClientSampleId :
MDL-W-06

Tgt Ion:252 Resp: 74307

Ion	Ratio	Lower	Upper
252	100		
254	67.7	51.2	76.8
126	12.7	8.6	13.0

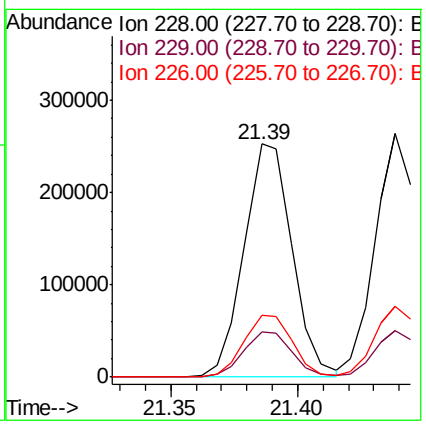


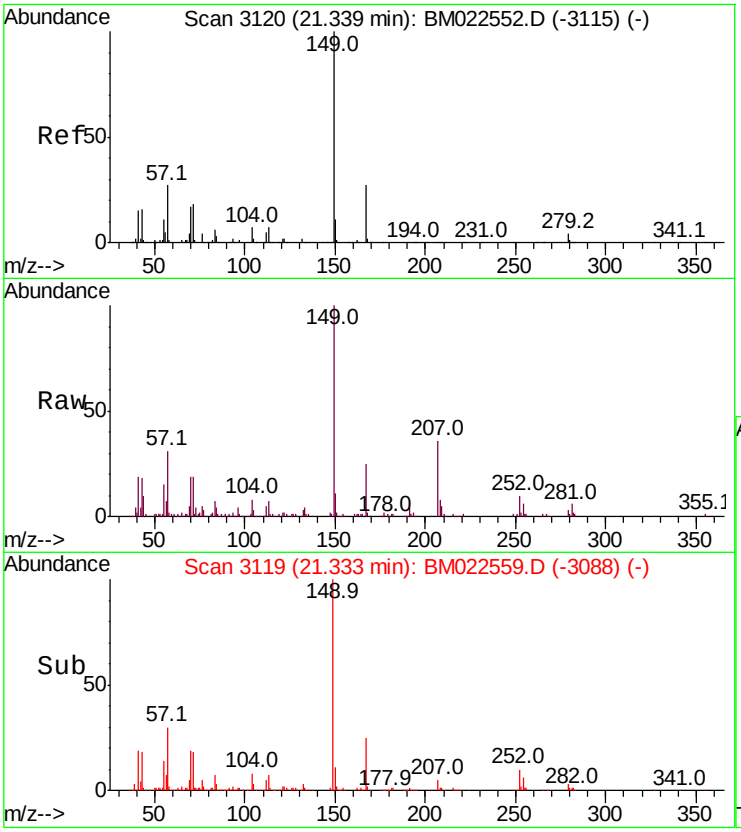


#83
Benzo(a)anthracene
Concen: 3.261 ng/ul
RT: 21.39 min Scan# 3128
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Tgt Ion:228 Resp: 335171

Ion	Ratio	Lower	Upper
228	100		
229	19.7	15.7	23.5
226	26.8	22.2	33.2



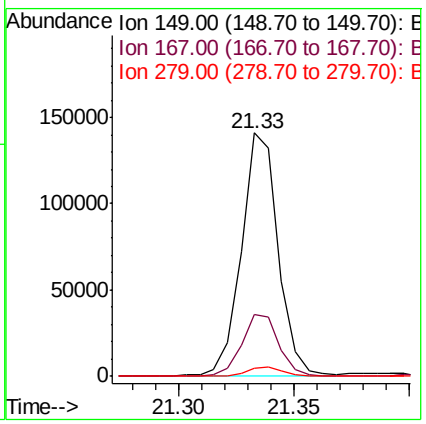


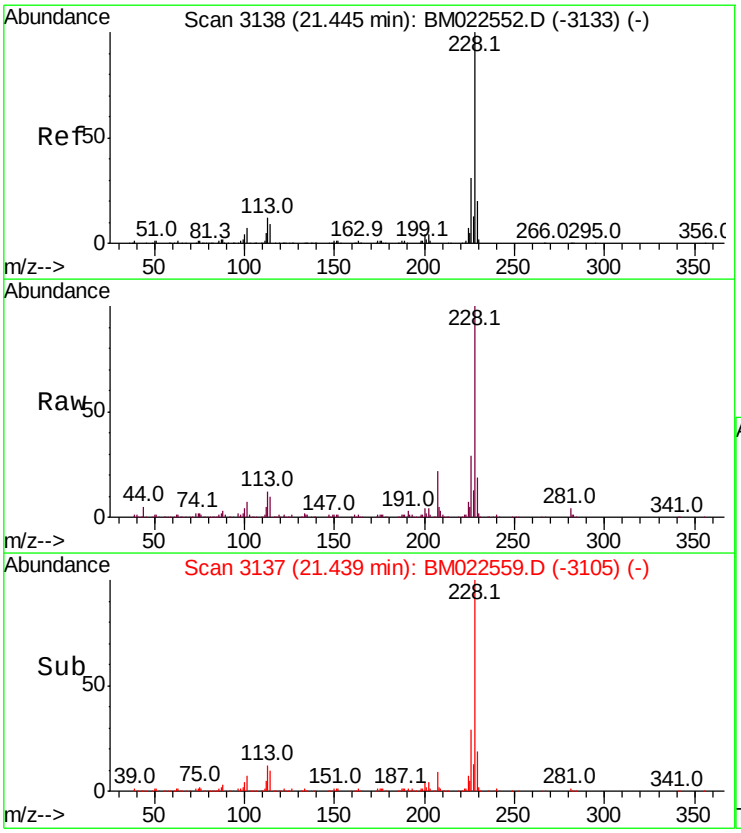
#84
Bis(2-ethylhexyl)phthalate
Concen: 2.416 ng/ul
RT: 21.33 min Scan# 3119
Delta R.T. -0.02 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Instrument :
BNA_M
ClientSampleId :
MDL-W-06

Tgt Ion:149 Resp: 154947

Ion	Ratio	Lower	Upper
149	100		
167	25.2	21.7	32.5
279	3.1	3.5	5.3#

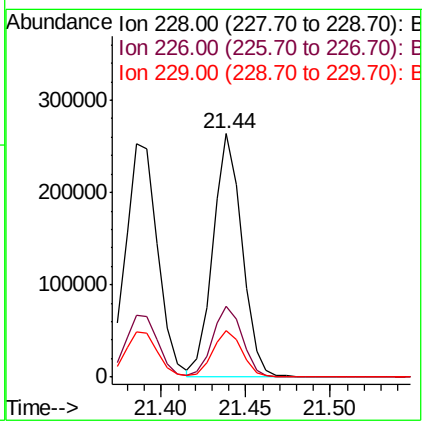


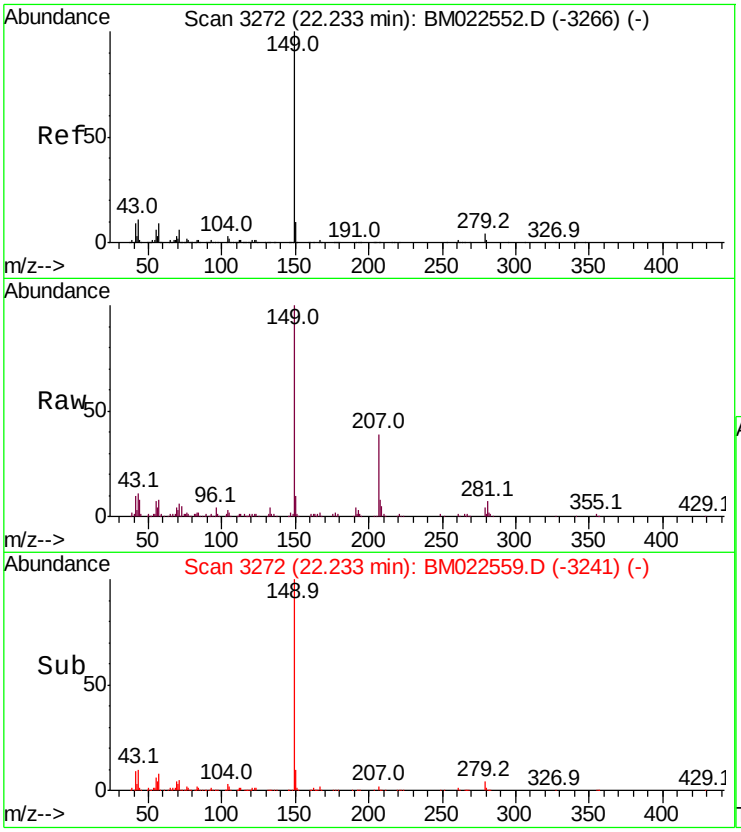


#85
Chrysene
Concen: 3.359 ng/ul
RT: 21.44 min Scan# 3137
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Tgt Ion:228 Resp: 317682

Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.2	36.4
229	19.1	15.8	23.6

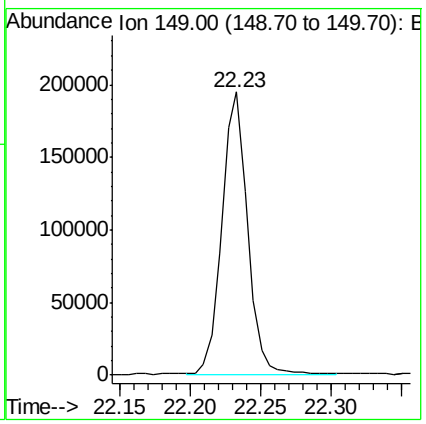


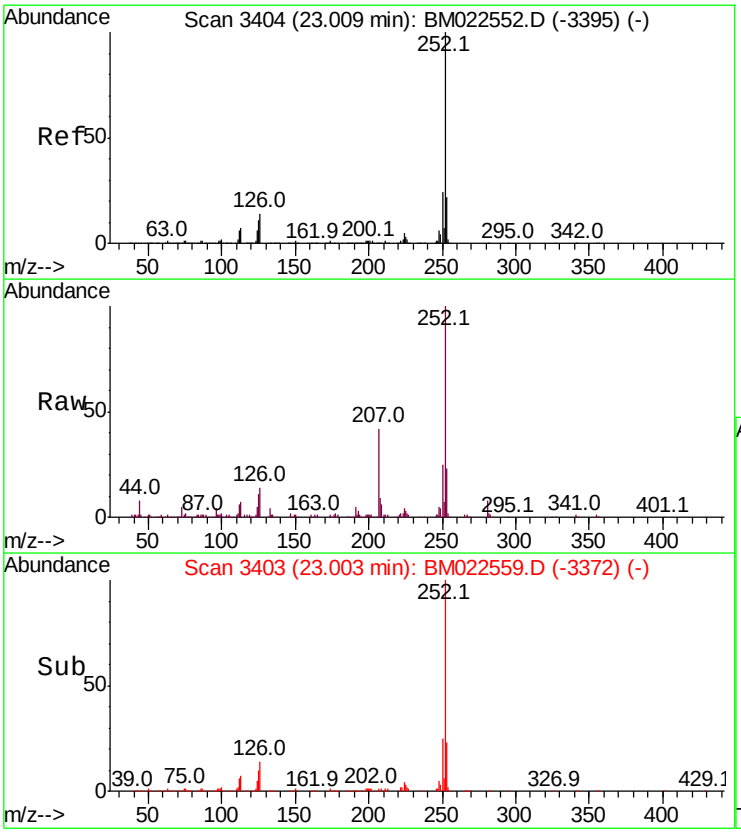


#87
Di-n-octyl phthalate
Concen: 2.066 ng/ul
RT: 22.23 min Scan# 3272
Delta R.T. -0.02 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Instrument :
BNA_M
ClientSampleId :
MDL-W-06

Tgt Ion:149 Resp: 243244

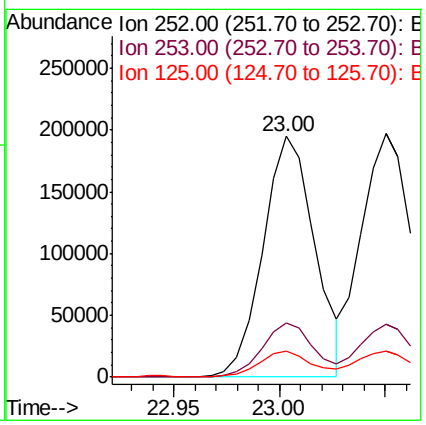


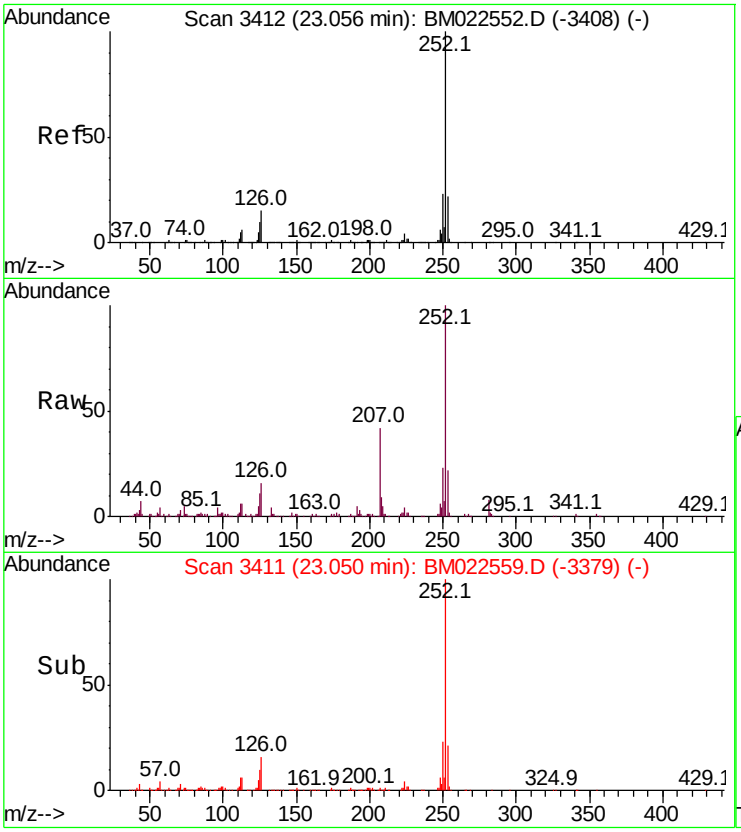


#88
Benzo(b)fluoranthene
Concen: 3.075 ng/ul
RT: 23.00 min Scan# 3403
Delta R.T. -0.02 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Tgt Ion:252 Resp: 332676

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.6
125	10.6	8.0	12.0



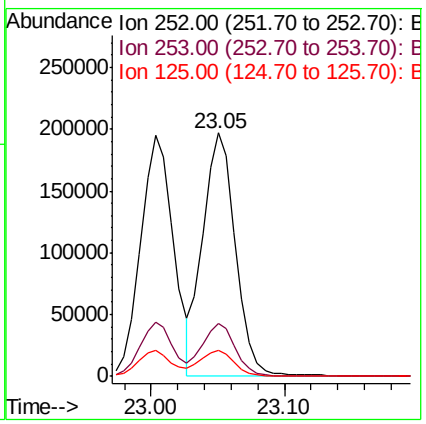


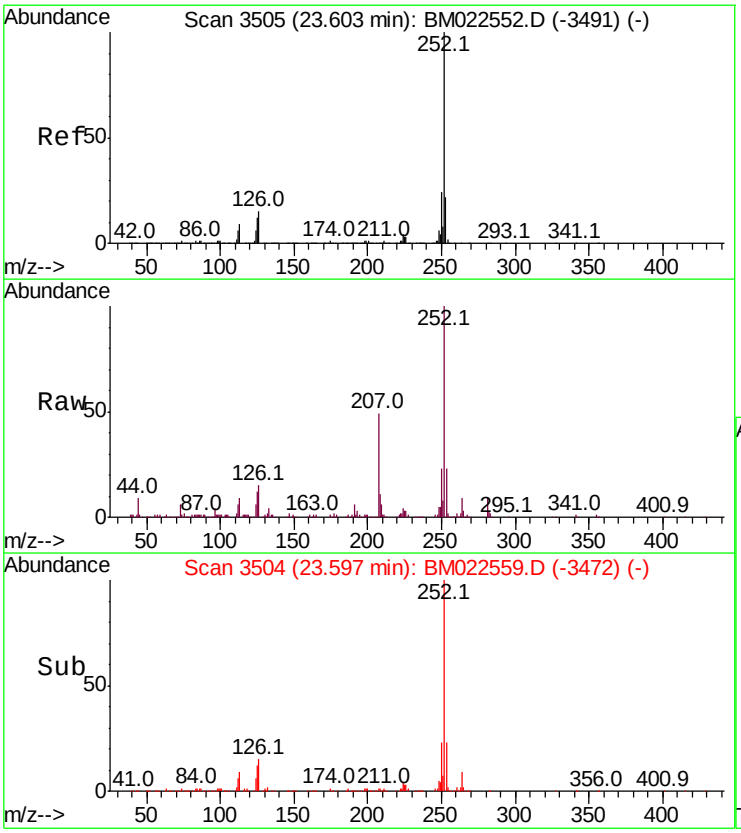
#89
Benzo(k)fluoranthene
Concen: 3.192 ng/ul
RT: 23.05 min Scan# 3411
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Instrument :
BNA_M
ClientSampleId :
MDL-W-06

Tgt Ion:252 Resp: 335600

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.4	26.2
125	10.6	8.2	12.2

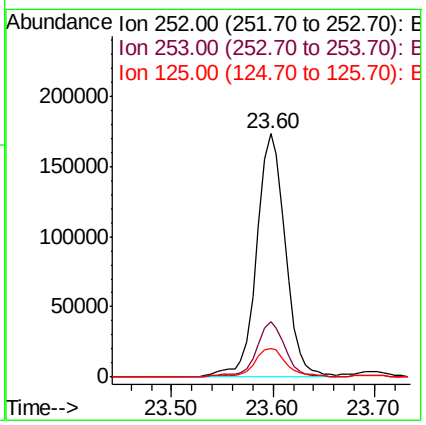


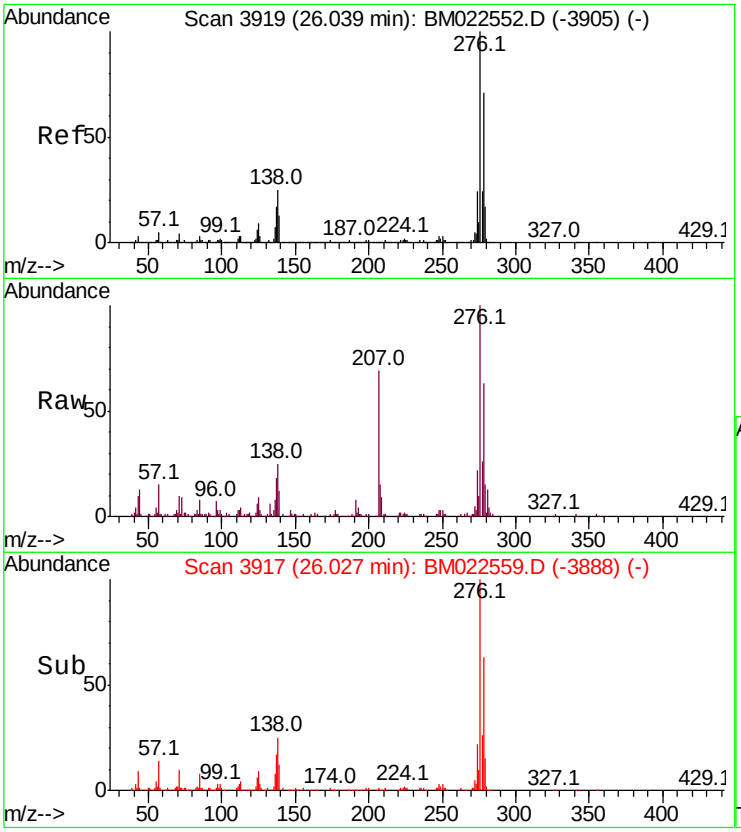


#91
Benzo(a)pyrene
Concen: 3.322 ng/ul
RT: 23.60 min Scan# 3504
Delta R.T. -0.01 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Tgt Ion:252 Resp: 342933

Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	11.8	8.9	13.3



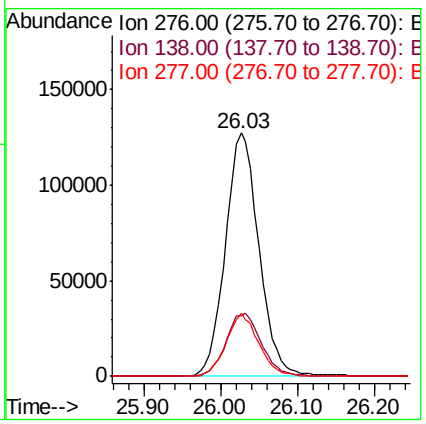


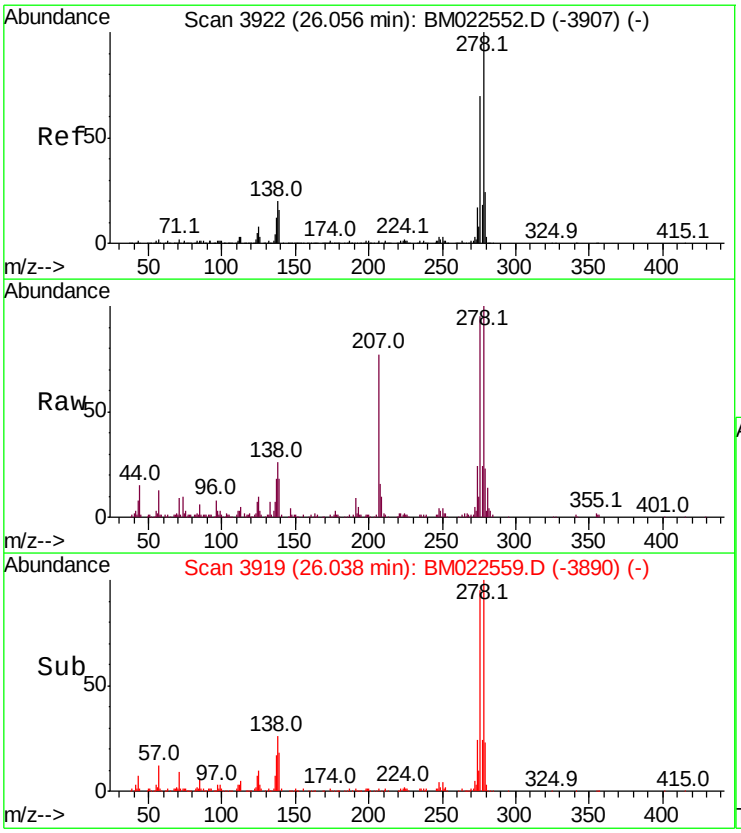
#92
Indeno(1,2,3-cd)pyrene
Concen: 3.251 ng/ul
RT: 26.03 min Scan# 3917
Delta R.T. -0.03 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Instrument :
BNA_M
ClientSampleId :
MDL-W-06

Tgt Ion:276 Resp: 387793

Ion	Ratio	Lower	Upper
276	100		
138	25.0	19.2	28.8
277	25.8	19.8	29.8

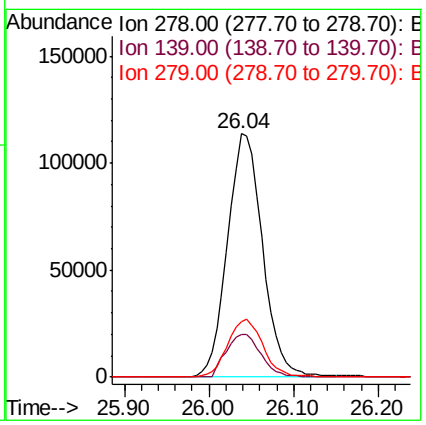


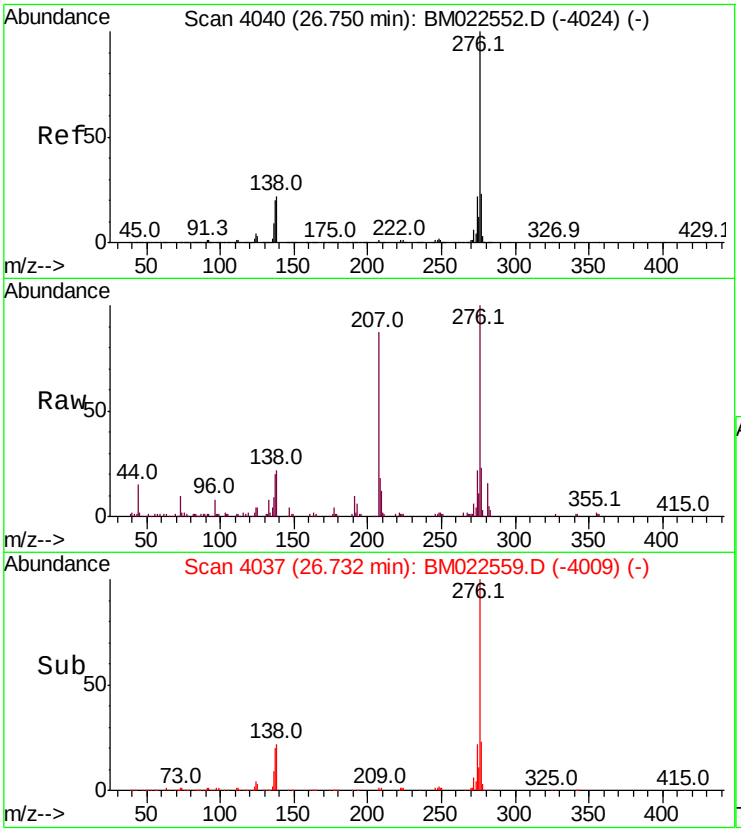


#93
Dibenzo(a,h)anthracene
Concen: 3.304 ng/ul
RT: 26.04 min Scan# 3919
Delta R.T. -0.03 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Tgt Ion:278 Resp: 327897

Ion	Ratio	Lower	Upper
278	100		
139	17.7	13.3	19.9
279	23.0	19.2	28.8



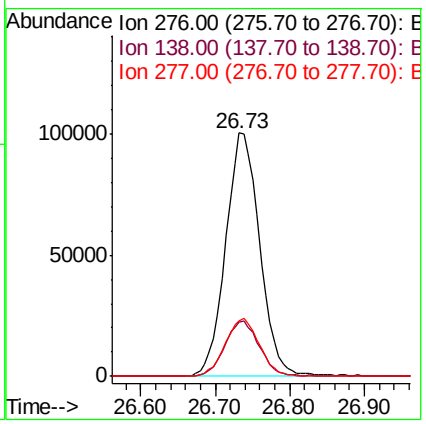


#94
Benzo(g,h,i)perylene
Concen: 3.253 ng/ul
RT: 26.73 min Scan# 4037
Delta R.T. -0.04 min
Lab File: BM022559.D
Acq: 06 Sep 2019 19:22

Instrument :
BNA_M
ClientSampleId :
MDL-W-06

Tgt Ion:276 Resp: 318669

Ion	Ratio	Lower	Upper
276	100		
138	22.2	17.0	25.6
277	22.9	18.8	28.2



Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090619\
Data File : BM022559.D
Acq On : 06 Sep 2019 19:22
Operator : HP/JU
Sample : MDL-W-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : MDL-W-06

Quant Time: Sep 06 23:21:01 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090519MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 05 19:43:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	209478	20.00	ng/ul	0.00
18) Naphthalene-d8	10.65	136	942167	20.00	ng/ul	-0.01
36) Acenaphthene-d10	14.49	164	611609	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.23	188	1308878	20.00	ng/ul	0.00
78) Chrysene-d12	21.40	240	1385324	20.00	ng/ul	-0.01
86) Perylene-d12	23.70	264	1644717	20.00	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.30	96	32160	6.40	ng/uL	0.00
5) Phenol-d5	7.01	99	607360	31.43	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.19	67	377794	34.11	ng/ul	0.00
9) 2-Chlorophenol-d4	7.39	132	485646	31.82	ng/ul	0.00
13) 4-Methylphenol-d8	8.55	113	491578	31.29	ng/ul	-0.01
19) Nitrobenzene-d5	9.01	128	231722	34.09	ng/ul	0.00
22) 2-Nitrophenol-d4	9.73	143	209144	33.37	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.27	165	461366	28.99	ng/ul	0.00
29) 4-Chloroaniline-d4	10.78	131	713483	33.94	ng/ul	0.00
44) Dimethylphthalate-d6	13.90	166	1632215	32.93	ng/ul	-0.01
47) Acenaphthylene-d8	14.18	160	1995393	33.62	ng/ul	-0.01
52) 4-Nitrophenol-d4	14.66	143	278759	32.93	ng/ul	0.00
58) Fluorene-d10	15.48	176	1362493	32.83	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.59	200	166222	27.94	ng/ul	-0.01
71) Anthracene-d10	17.33	188	2178115	32.48	ng/ul	0.00
79) Pyrene-d10	19.62	212	2413658	31.40	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.56	264	2791926	31.58	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.34	88	8056	1.593	ng/uL#	91
4) Benzaldehyde	6.99	77	29023	2.876	ng/ul	94
6) Phenol	7.04	94	64580	3.198	ng/ul	97
8) Bis(2-Chloroethyl)ether	7.28	93	51755	3.375	ng/ul	98
10) 2-Chlorophenol	7.42	128	51348	3.201	ng/ul	93
11) 2-Methylphenol	8.29	108	46666	2.961	ng/ul	96
12) 2,2'-oxybis(1-Chloropropan	8.39	45	80938	3.589	ng/ul	98
14) Acetophenone	8.67	105	84385	3.442	ng/ul	96
15) N-Nitroso-di-n-propylamine	8.66	70	42976	3.246	ng/ul	96
16) 4-Methylphenol	8.62	108	53147	3.124	ng/ul	96
17) Hexachloroethane	8.95	117	21030	3.309	ng/ul	95
20) Nitrobenzene	9.05	77	62720	3.688	ng/ul	95
21) Isophorone	9.58	82	118356	3.106	ng/ul	100
23) 2-Nitrophenol	9.76	139	24935	3.352	ng/ul	95
24) 2,4-Dimethylphenol	9.82	107	58312	3.126	ng/ul	98
25) Bis(2-Chloroethoxy)methane	10.06	93	71870	3.216	ng/ul	98
27) 2,4-Dichlorophenol	10.29	162	47687	3.035	ng/ul	91
28) Naphthalene	10.70	128	173827	3.328	ng/ul	99
30) 4-Chloroaniline	10.80	127	69663	3.226	ng/ul	96
31) Hexachlorobutadiene	11.00	225	29718	3.070	ng/ul	99
32) Caprolactam	11.59	113	15134	2.588	ng/ul	86
33) 4-Chloro-3-methylphenol	11.92	107	50122	2.891	ng/ul	98
34) 2-Methylnaphthalene	12.32	142	126681	3.219	ng/ul	95

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090619\
Data File : BM022559.D
Acq On : 06 Sep 2019 19:22
Operator : HP/JU
Sample : MDL-W-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : MDL-W-06

Quant Time: Sep 06 23:21:01 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090519MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 05 19:43:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
35) 1-Methylnaphthalene	12.53	142	122326	3.253 ng/ul	100
37) 1,2,4,5-Tetrachlorobenzene	12.68	216	59488	3.014 ng/ul	98
38) Hexachlorocyclopentadiene	12.67	237	29999	2.466 ng/ul	98
39) 2,4,6-Trichlorophenol	12.92	196	32181	2.605 ng/ul	98
40) 2,4,5-Trichlorophenol	12.99	196	36575	2.730 ng/ul	98
41) 1,1'-Biphenyl	13.33	154	165580	3.251 ng/ul	99
42) 2-Chloronaphthalene	13.36	162	125684	3.260 ng/ul	100
43) 2-Nitroaniline	13.56	65	27466	3.051 ng/ul	97
45) Dimethylphthalate	13.95	163	169747	3.374 ng/ul	100
46) 2,6-Dinitrotoluene	14.05	165	22615	2.761 ng/ul	91
48) Acenaphthylene	14.21	152	204903	3.329 ng/ul	99
49) 3-Nitroaniline	14.38	138	23252	2.618 ng/ul	96
50) Acenaphthene	14.55	153	140234	3.288 ng/ul	98
51) 2,4-Dinitrophenol	14.58	184	10931	2.909 ng/ul	89
53) 4-Nitrophenol	14.67	109	24336	3.578 ng/ul#	81
54) Dibenzofuran	14.89	168	201249	3.400 ng/ul	98
55) 2,4-Dinitrotoluene	14.84	165	36367	3.031 ng/ul#	97
56) 2,3,4,6-Tetrachlorophenol	15.11	232	29317	2.635 ng/ul#	95
57) Diethylphthalate	15.31	149	170007	3.266 ng/ul	100
59) Fluorene	15.53	166	166954	3.428 ng/ul	100
60) 4-Chlorophenyl-phenylether	15.53	204	80442	3.338 ng/ul	98
61) 4-Nitroaniline	15.53	138	26515	2.620 ng/ul	90
64) 4,6-Dinitro-2-methylphenol	15.60	198	19461	2.827 ng/ul#	62
65) N-Nitrosodiphenylamine	15.74	169	142924	3.200 ng/ul	99
66) 4-Bromophenyl-phenylether	16.42	248	48471	2.964 ng/ul	95
67) Hexachlorobenzene	16.54	284	56898	3.157 ng/ul	98
68) Atrazine	16.69	200	44039	2.565 ng/ul	99
69) Pentachlorophenol	16.87	266	21243	2.136 ng/ul	97
70) Phenanthrene	17.27	178	269299	3.360 ng/ul	99
72) Anthracene	17.36	178	274983	3.340 ng/ul	99
73) 1,2,3,4-Tetrachlorobenzene	13.29	216	60145	2.952 ng/uL	98
74) Pentachlorobenzene	14.81	250	63165	3.075 ng/uL	98
75) Carbazole	17.62	167	243708	3.294 ng/ul	99
76) Di-n-butylphthalate	18.20	149	255424	2.726 ng/ul	99
77) Fluoranthene	19.28	202	298782	3.285 ng/ul	97
80) Pyrene	19.64	202	330401	3.296 ng/ul	99
81) Butylbenzylphthalate	20.55	149	98170	2.322 ng/ul	97
82) 3,3'-Dichlorobenzidine	21.32	252	74307	2.109 ng/ul	95
83) Benzo(a)anthracene	21.39	228	335171	3.261 ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.33	149	154947	2.416 ng/ul#	96
85) Chrysene	21.44	228	317682	3.359 ng/ul	98
87) Di-n-octyl phthalate	22.23	149	243244	2.066 ng/ul	100
88) Benzo(b)fluoranthene	23.00	252	332676	3.075 ng/ul	99
89) Benzo(k)fluoranthene	23.05	252	335600	3.192 ng/ul	99
91) Benzo(a)pyrene	23.60	252	342933	3.322 ng/ul	98
92) Indeno(1,2,3-cd)pyrene	26.03	276	387793	3.251 ng/ul	98
93) Dibenzo(a,h)anthracene	26.04	278	327897	3.304 ng/ul	98
94) Benzo(g,h,i)perylene	26.73	276	318669	3.253 ng/ul	98

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090619\
Data File : BM022559.D
Acq On : 06 Sep 2019 19:22
Operator : HP/JU
Sample : MDL-W-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-W-06

Quant Time: Sep 06 23:21:01 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090519MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 05 19:43:58 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

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