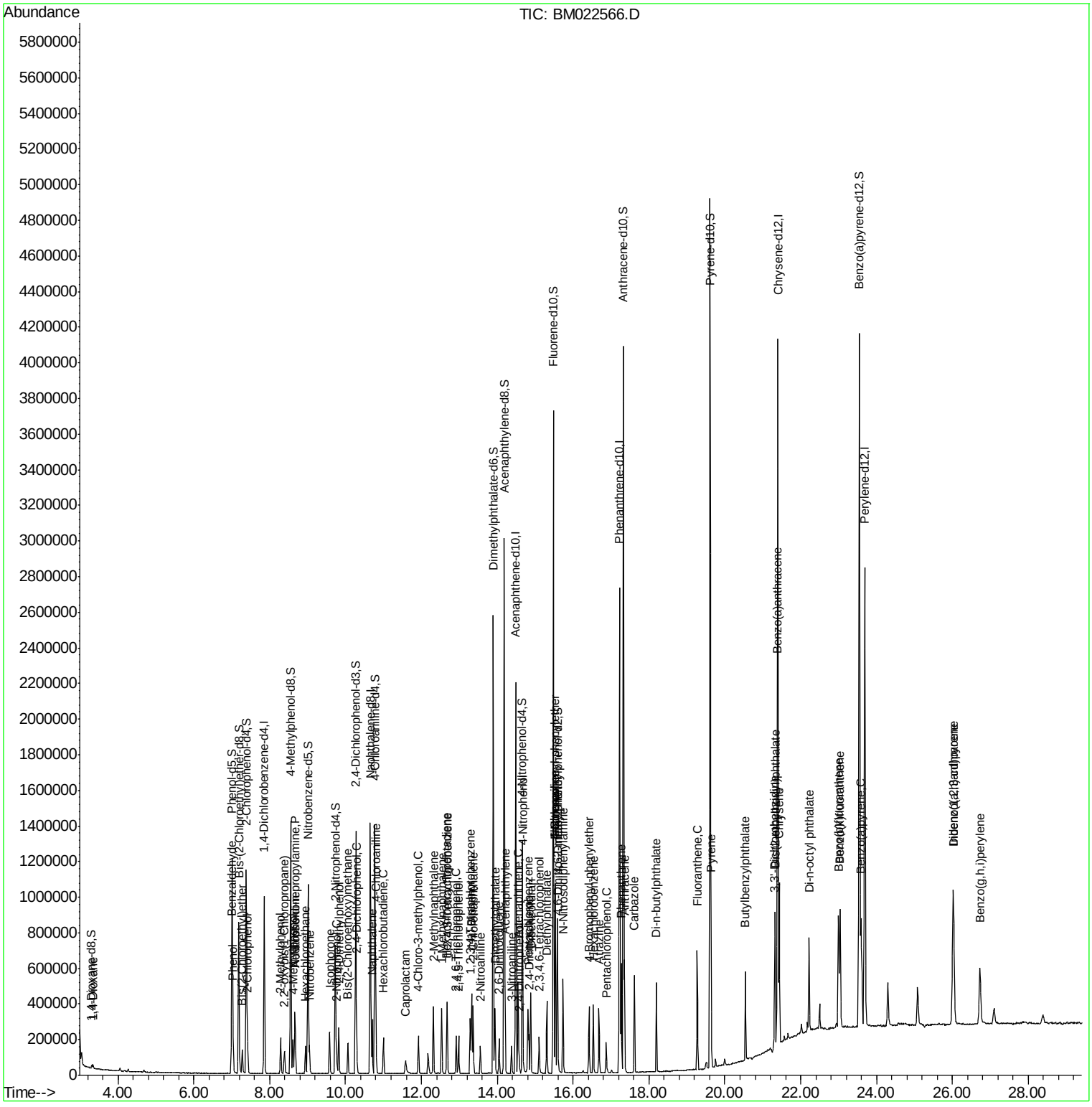
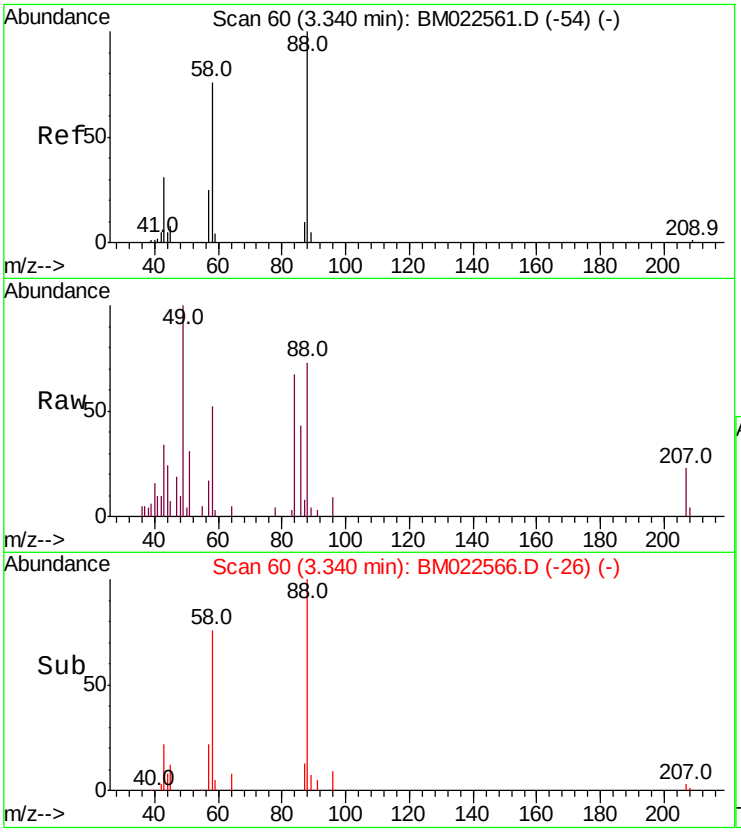
Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090619\
Data File : BM022566.D
Acq On : 06 Sep 2019 23:39
Operator : HP/JU
Sample : MDL-S-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-S-04

Quant Time: Sep 08 01:34:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090519MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Sep 06 23:41:25 2019
Response via : Initial Calibration



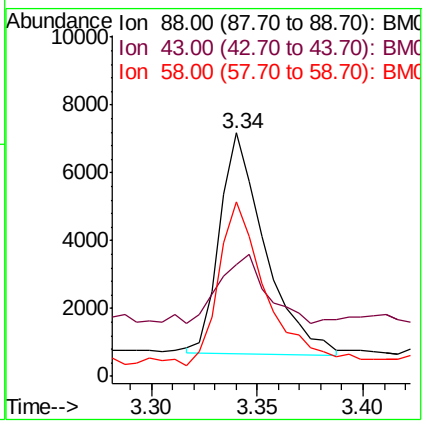


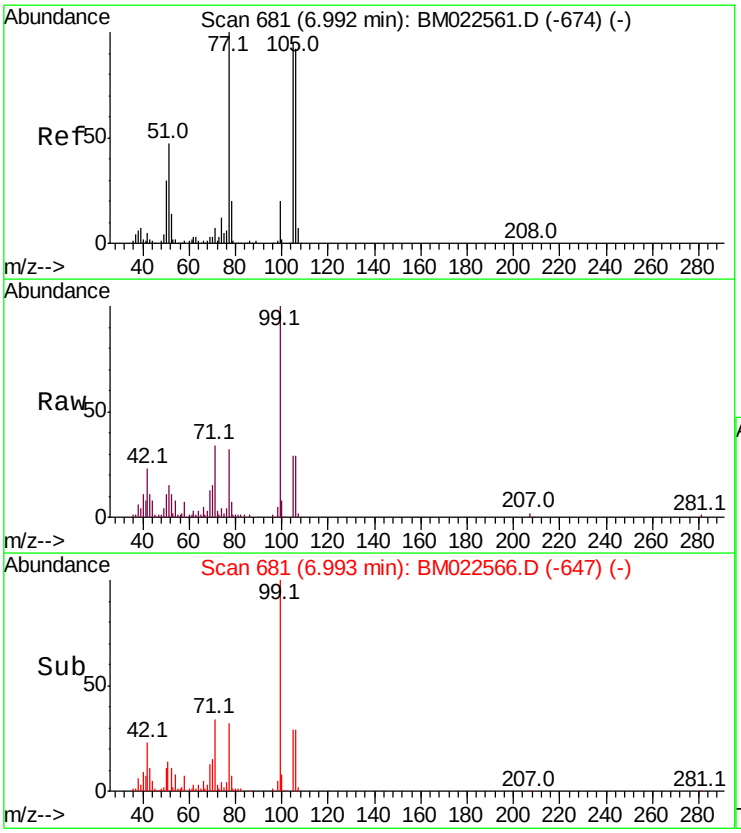
#2
1,4-Dioxane
Concen: 1.569 ng/uL
RT: 3.34 min Scan# 60
Delta R.T. 0.00 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-04

Tgt Ion: 88 Resp: 9645

Ion	Ratio	Lower	Upper
88	100		
43	45.9	37.9	56.9
58	71.8	59.4	89.0

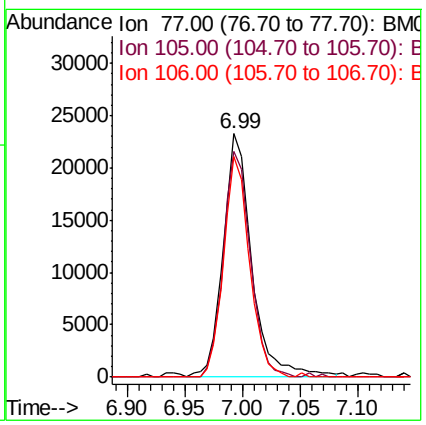


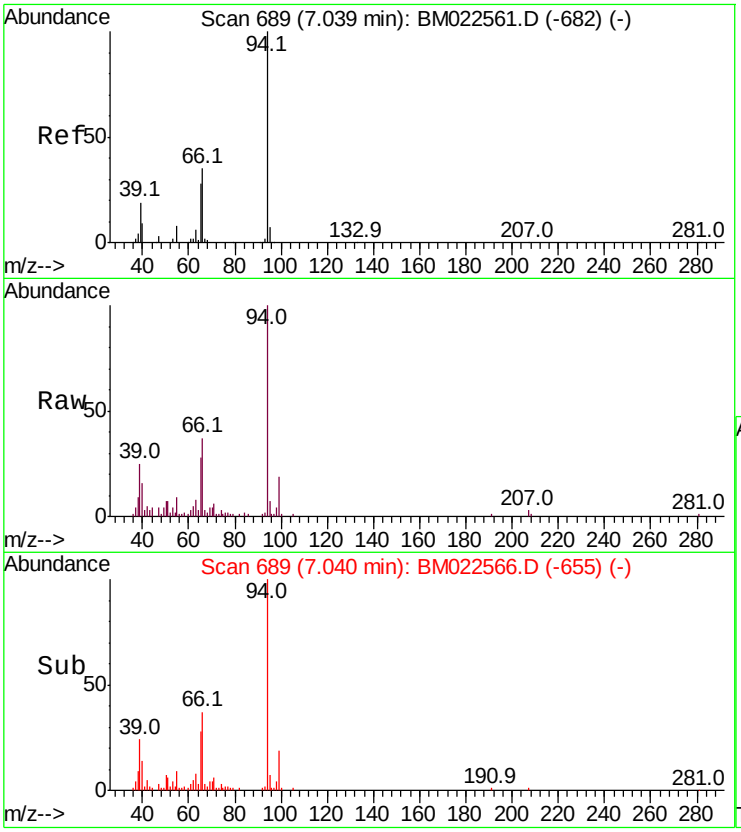


#4
Benzaldehyde
Concen: 3.273 ng/ul
RT: 6.99 min Scan# 681
Delta R.T. 0.00 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Tgt Ion: 77 Resp: 40130

Ion	Ratio	Lower	Upper
77	100		
105	93.0	79.0	118.6
106	90.8	75.1	112.7



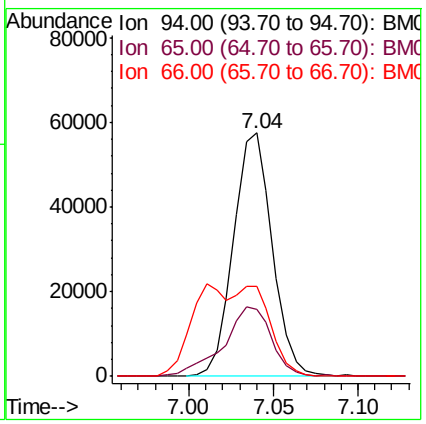


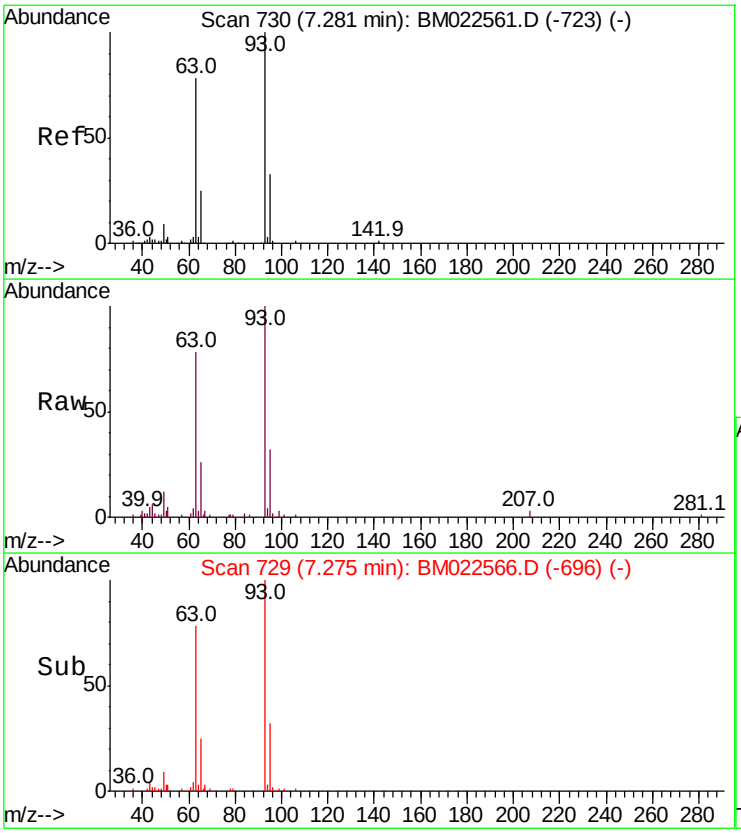
#6
Phenol
Concen: 3.740 ng/ul
RT: 7.04 min Scan# 689
Delta R.T. 0.00 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-04

Tgt Ion: 94 Resp: 91752

Ion	Ratio	Lower	Upper
94	100		
65	27.7	22.8	34.2
66	37.1	29.1	43.7

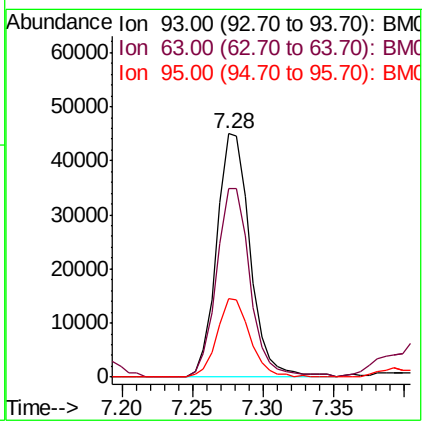


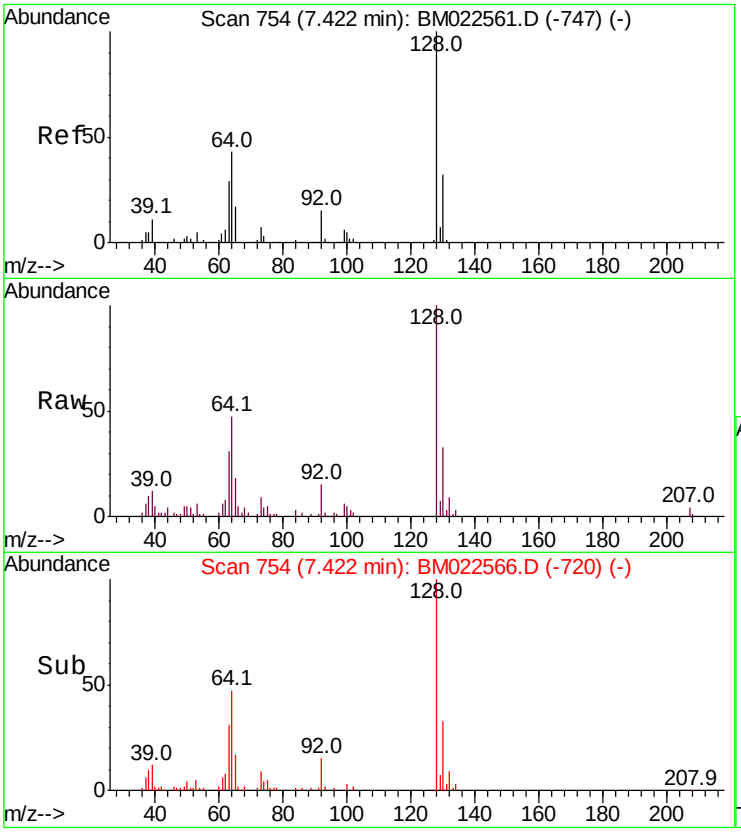


#8
Bis(2-Chloroethyl)ether
Concen: 3.981 ng/ul
RT: 7.28 min Scan# 729
Delta R.T. -0.01 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Tgt Ion: 93 Resp: 74177

Ion	Ratio	Lower	Upper
93	100		
63	77.7	62.2	93.2
95	32.2	26.6	39.8



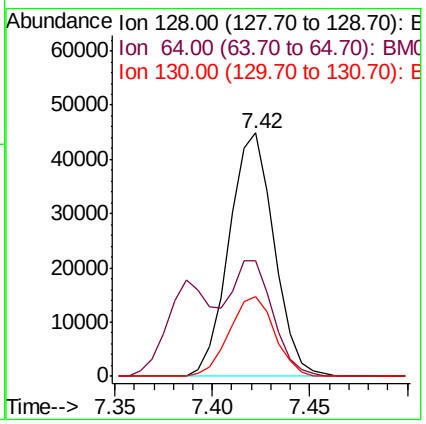


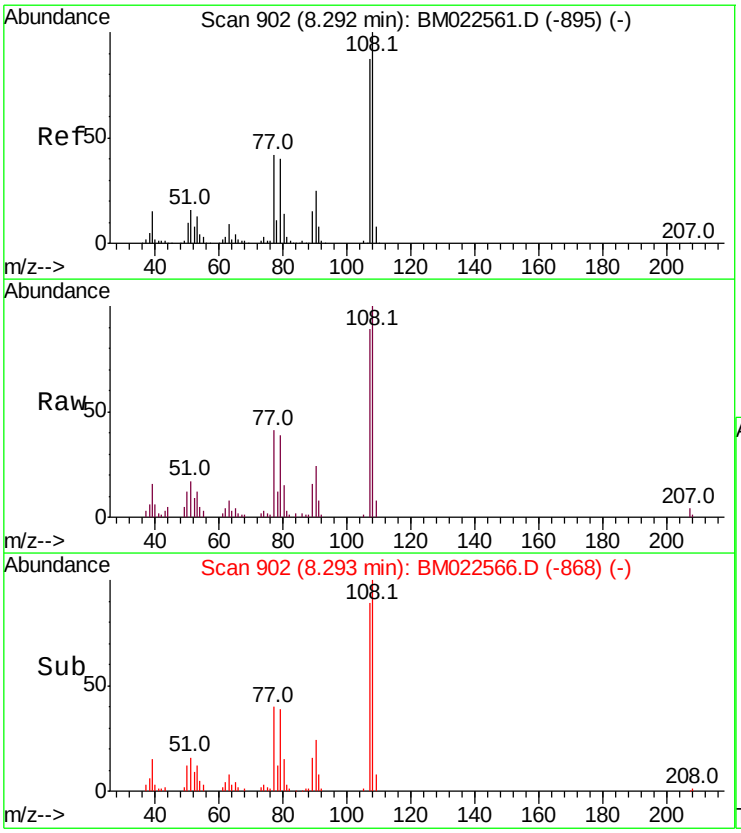
#10
2-Chlorophenol
Concen: 3.678 ng/ul
RT: 7.42 min Scan# 754
Delta R.T. 0.00 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-04

Tgt Ion:128 Resp: 71679

Ion	Ratio	Lower	Upper
128	100		
64	47.3	36.0	54.0
130	33.0	26.1	39.1

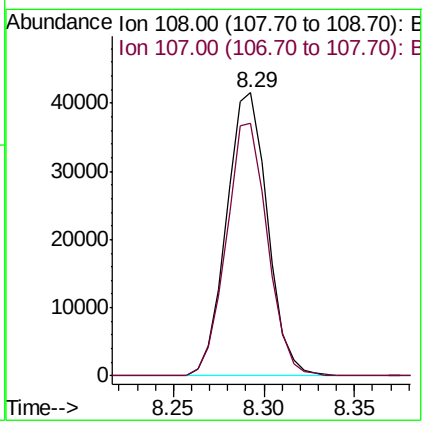


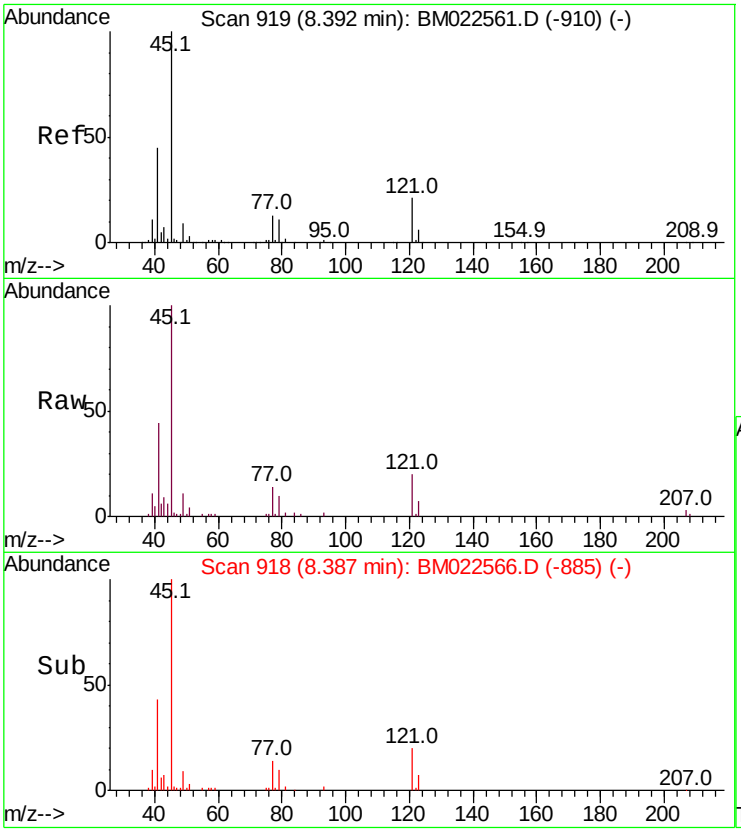


#11
2-Methylphenol
Concen: 3.425 ng/ul
RT: 8.29 min Scan# 902
Delta R.T. 0.00 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Tgt Ion:108 Resp: 65582

Ion	Ratio	Lower	Upper
108	100		
107	89.2	70.7	106.1



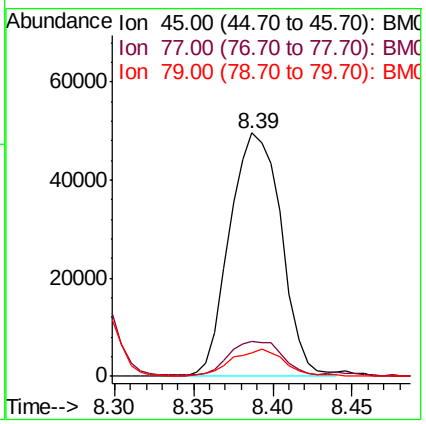


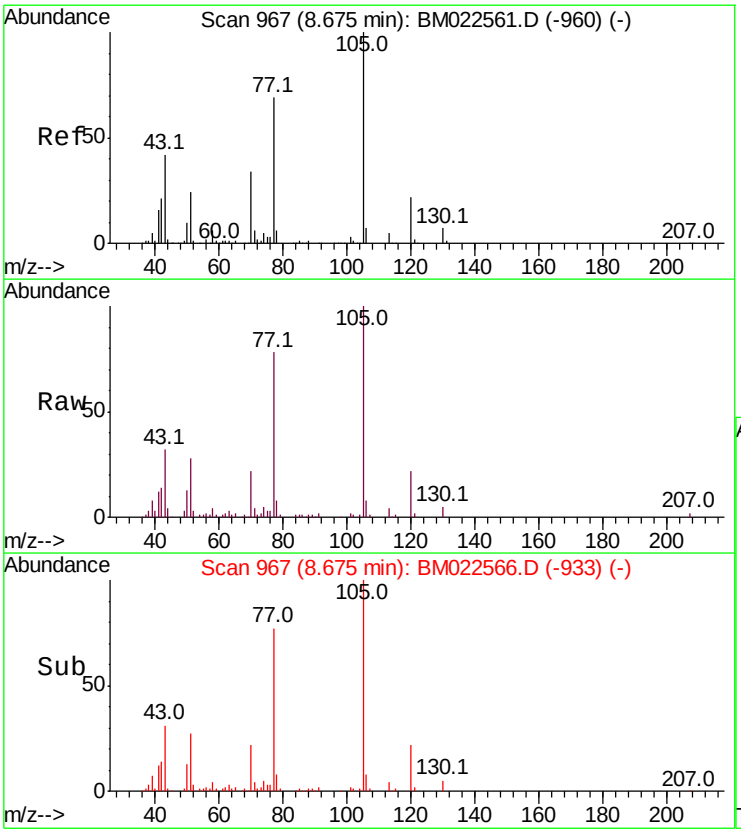
#12
2,2'-oxybis(1-Chloropropane)
Concen: 4.101 ng/ul
RT: 8.39 min Scan# 918
Delta R.T. -0.01 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-04

Tgt Ion: 45 Resp: 112374

Ion	Ratio	Lower	Upper
45	100		
77	14.3	11.6	17.4
79	9.7	9.0	13.6

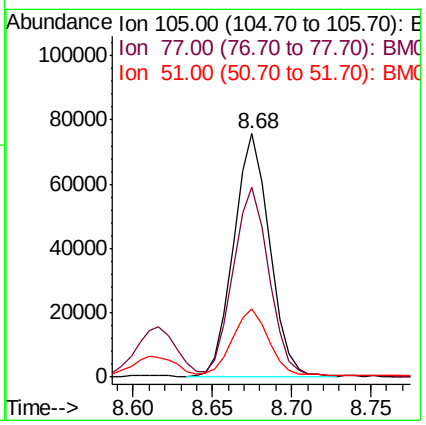


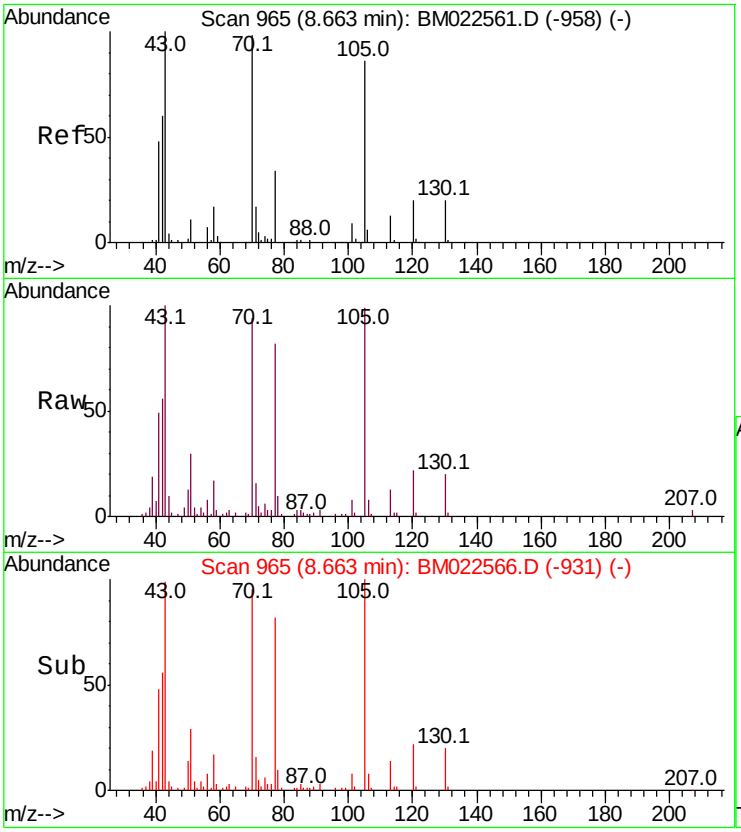


#14
Acetophenone
Concen: 4.009 ng/ul
RT: 8.68 min Scan# 967
Delta R.T. 0.00 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Tgt Ion:105 Resp: 119414

Ion	Ratio	Lower	Upper
105	100		
77	77.9	62.1	93.1
51	27.8	21.8	32.6



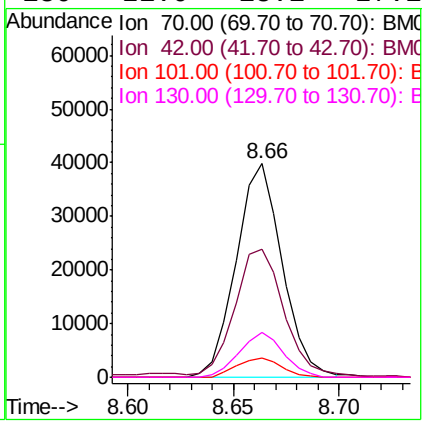


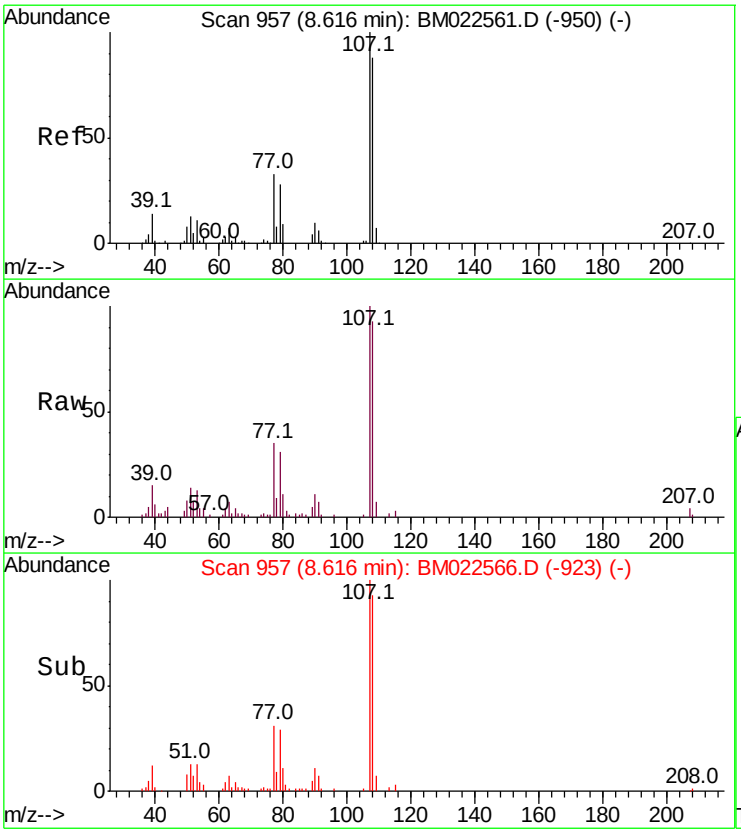
#15
N-Nitroso-di-n-propylamine
Concen: 3.742 ng/ul
RT: 8.66 min Scan# 965
Delta R.T. 0.00 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-04

Tgt Ion: 70 Resp: 60204

Ion	Ratio	Lower	Upper
70	100		
42	59.9	48.3	72.5
101	9.0	8.2	12.2
130	21.0	18.1	27.1

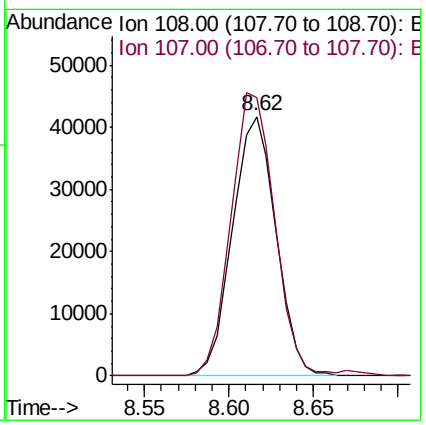


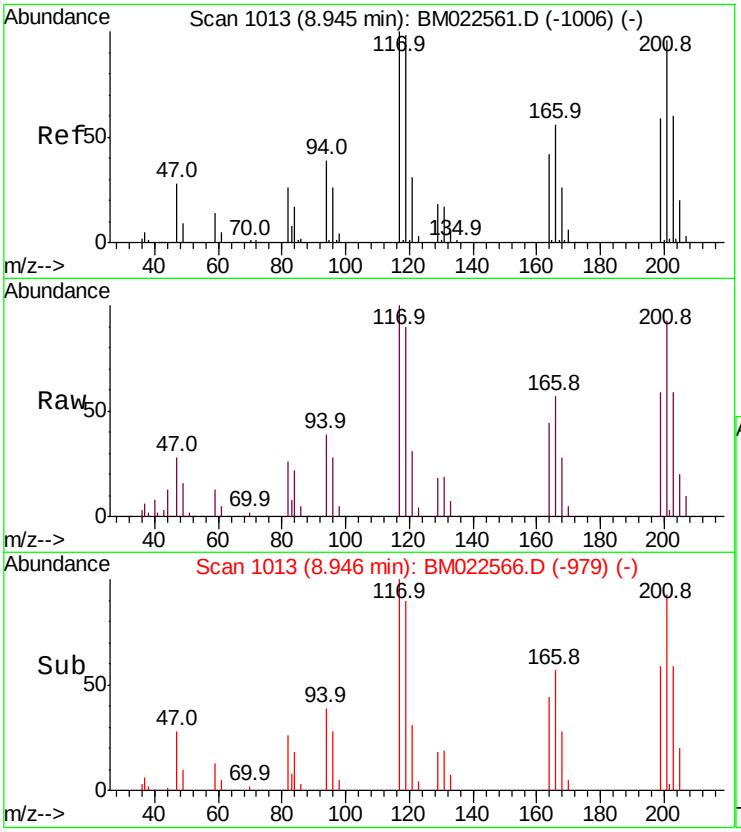


#16
4-Methylphenol
Concen: 3.625 ng/ul
RT: 8.62 min Scan# 957
Delta R.T. 0.00 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Tgt Ion:108 Resp: 74937

Ion	Ratio	Lower	Upper
108	100		
107	107.1	87.2	130.8



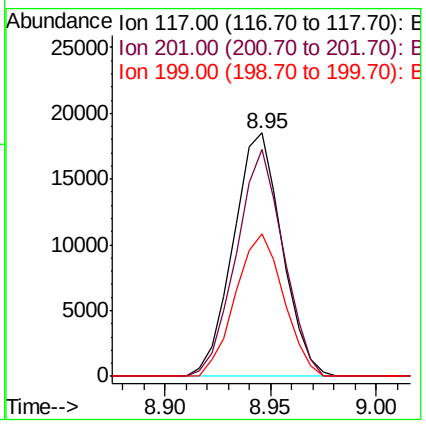


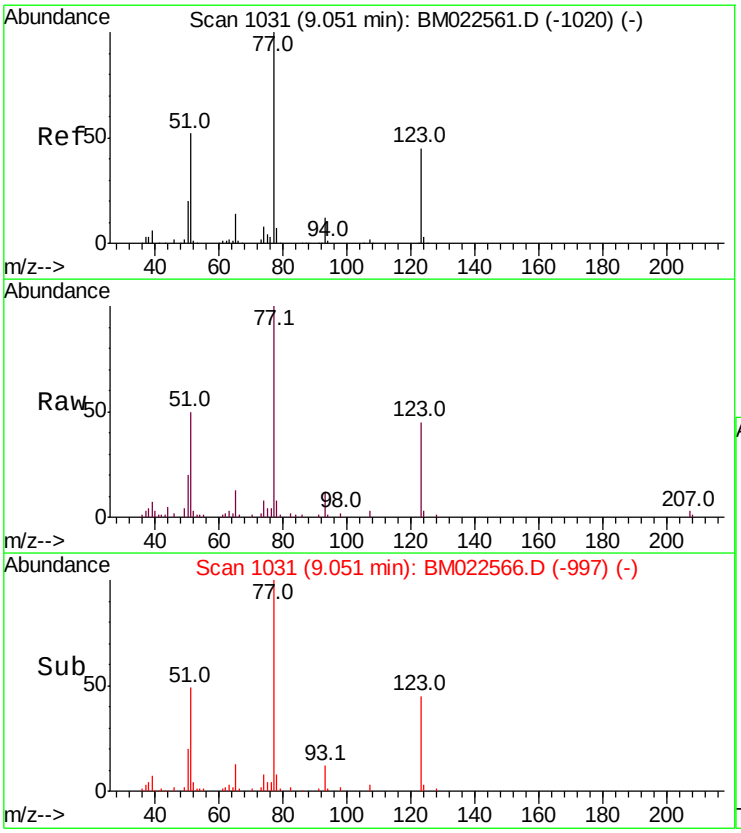
#17
Hexachloroethane
Concen: 3.839 ng/ul
RT: 8.95 min Scan# 1013
Delta R.T. 0.00 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-04

Tgt Ion:117 Resp: 29641

Ion	Ratio	Lower	Upper
117	100		
201	93.0	77.6	116.4
199	58.6	47.6	71.4

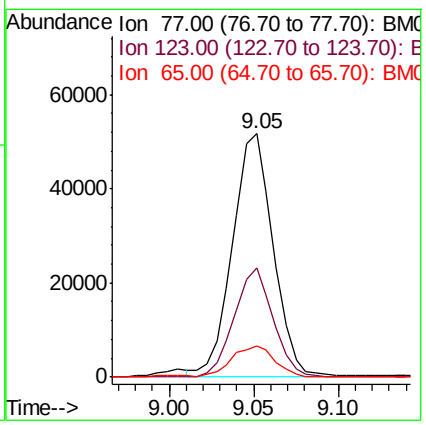


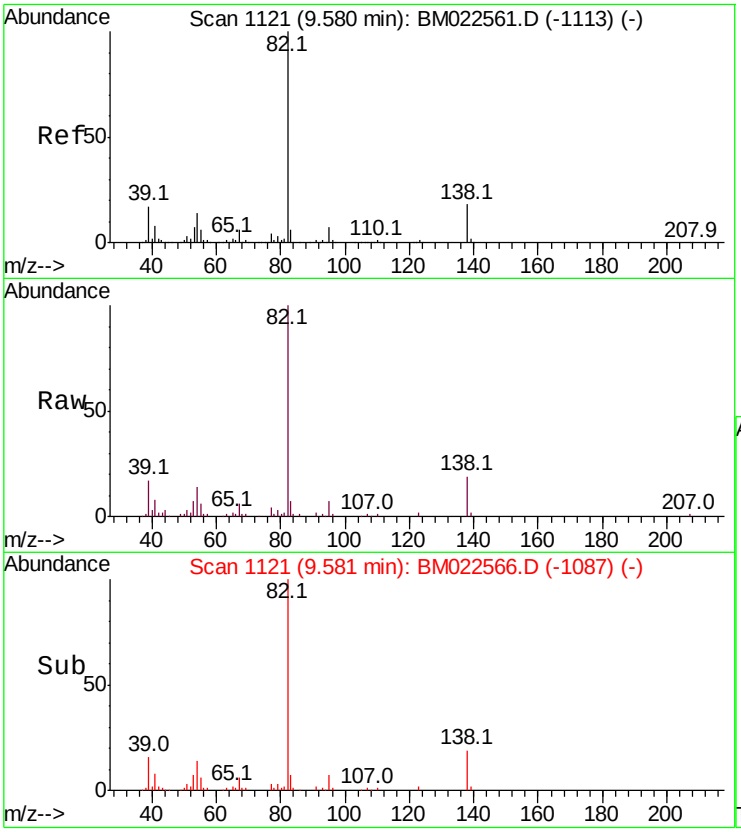


#20
Nitrobenzene
Concen: 4.241 ng/ul
RT: 9.05 min Scan# 1031
Delta R.T. 0.00 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Tgt Ion: 77 Resp: 87023

Ion	Ratio	Lower	Upper
77	100		
123	44.6	35.8	53.6
65	12.8	10.5	15.7



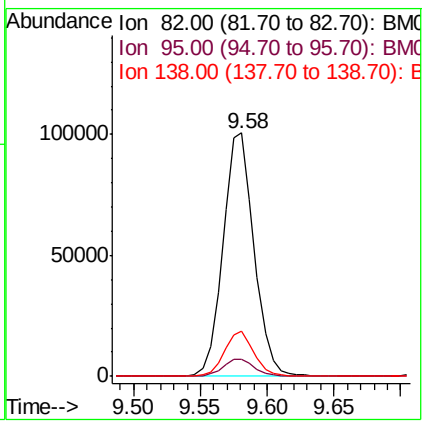


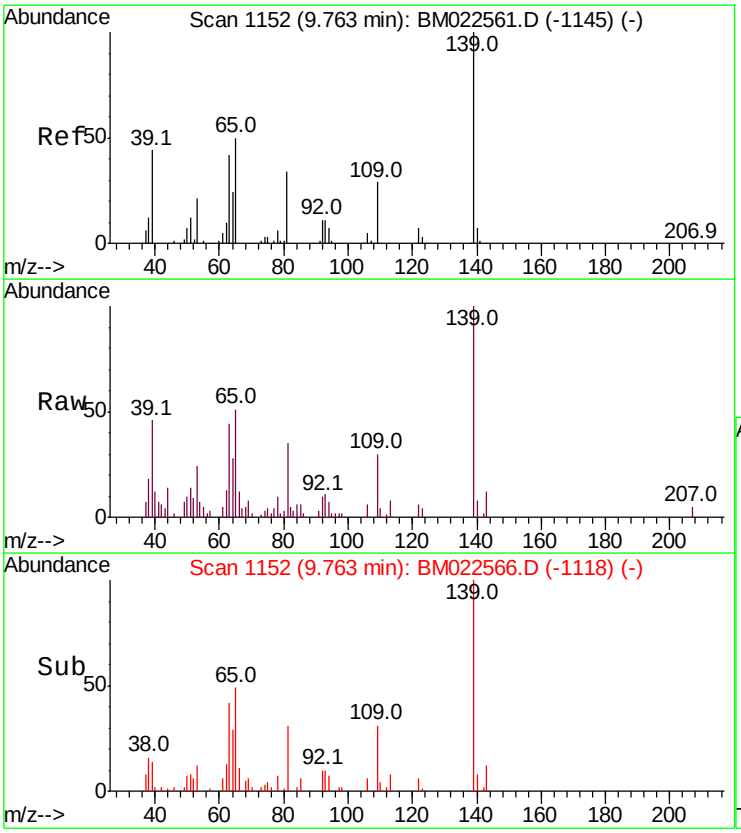
#21
Isophorone
Concen: 3.553 ng/ul
RT: 9.58 min Scan# 1121
Delta R.T. 0.00 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-04

Tgt Ion: 82 Resp: 163406

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.6	8.4
138	18.6	14.4	21.6

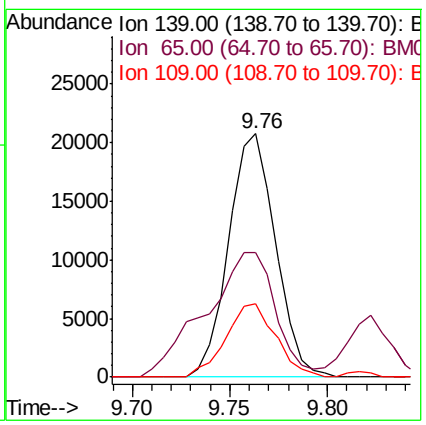


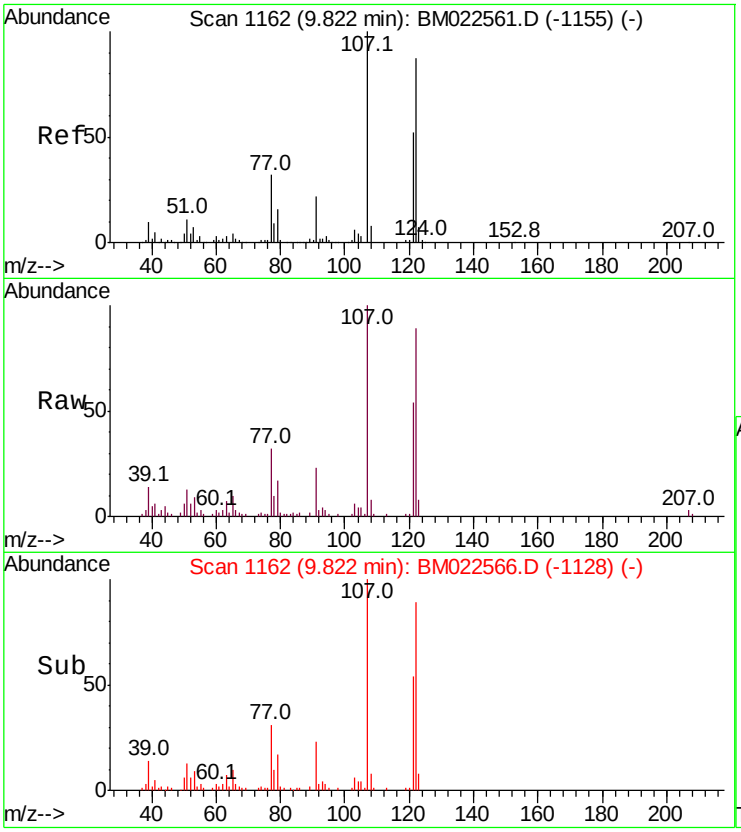


#23
2-Nitrophenol
Concen: 3.847 ng/ul
RT: 9.76 min Scan# 1152
Delta R.T. 0.00 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Tgt Ion:139 Resp: 34540

Ion	Ratio	Lower	Upper
139	100		
65	51.0	39.3	58.9
109	30.2	23.5	35.3



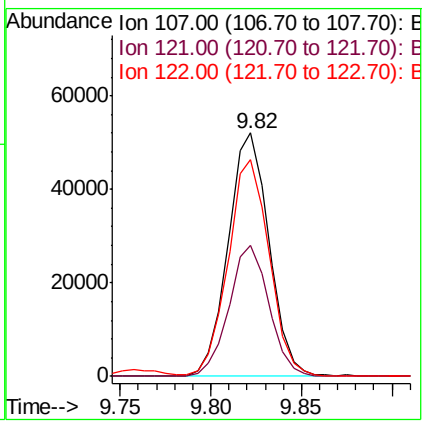


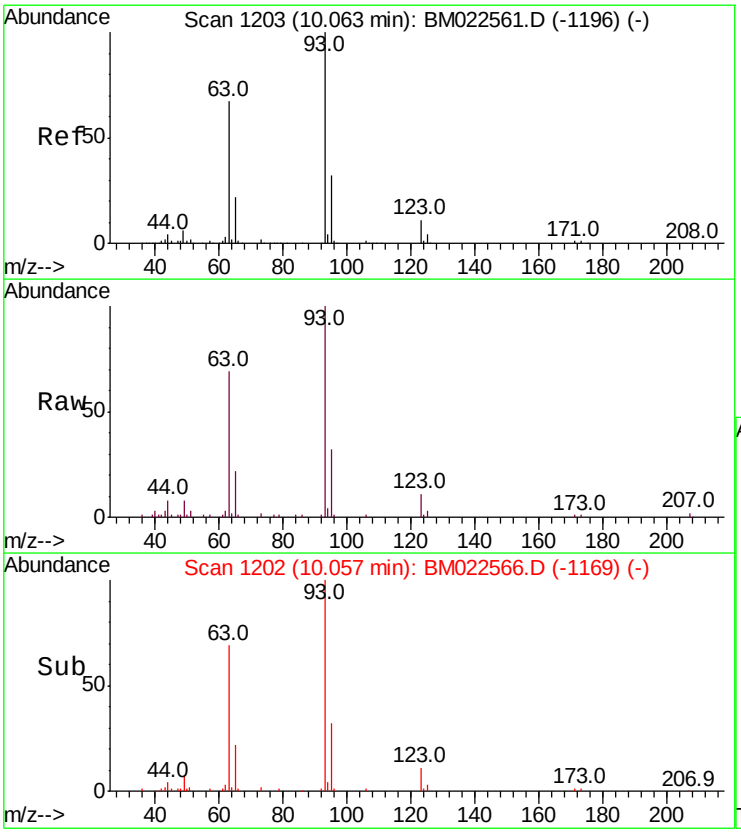
#24
2,4-Dimethylphenol
Concen: 3.631 ng/ul
RT: 9.82 min Scan# 1162
Delta R.T. 0.00 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-04

Tgt Ion:107 Resp: 81732

Ion	Ratio	Lower	Upper
107	100		
121	53.6	40.2	60.4
122	89.1	70.2	105.2

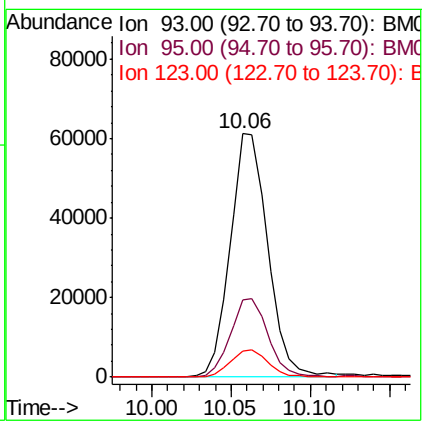


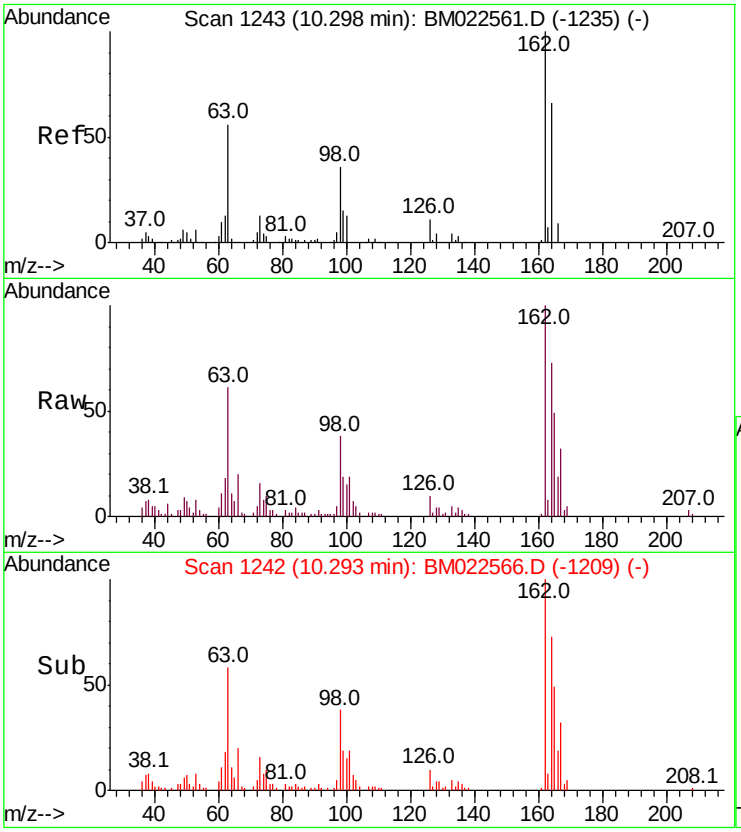


#25
Bis(2-Chloroethoxy)methane
Concen: 3.733 ng/ul
RT: 10.06 min Scan# 1202
Delta R.T. -0.01 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Tgt Ion: 93 Resp: 100644

Ion	Ratio	Lower	Upper
93	100		
95	32.0	26.1	39.1
123	10.8	9.2	13.8



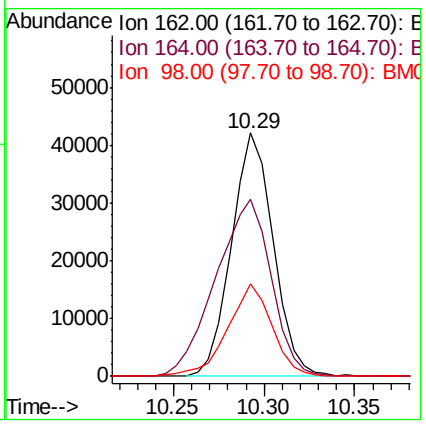


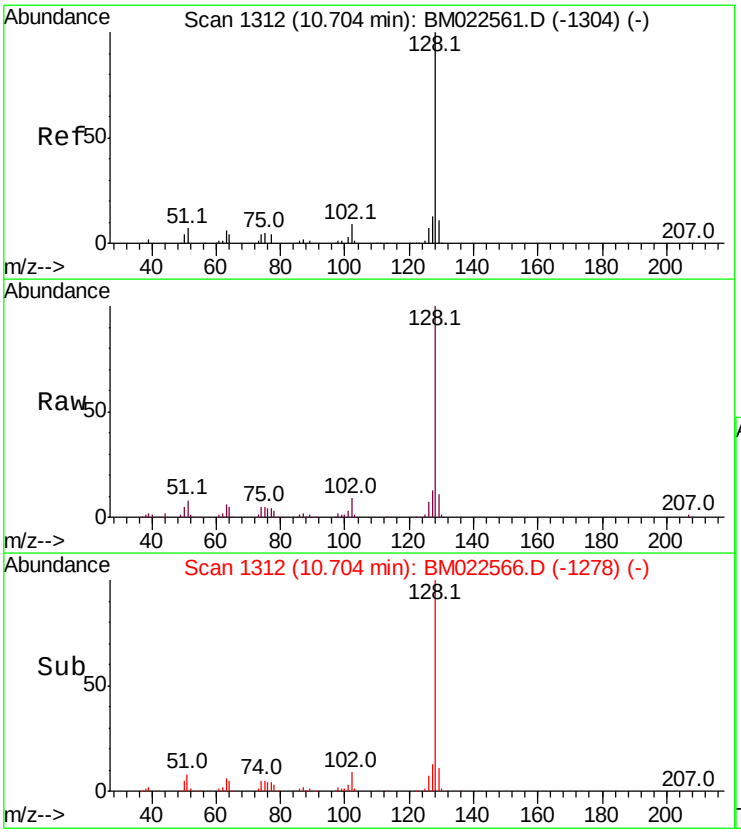
#27
2,4-Dichlorophenol
Concen: 3.562 ng/ul
RT: 10.29 min Scan# 1242
Delta R.T. -0.01 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-04

Tgt Ion:162 Resp: 67539

Ion	Ratio	Lower	Upper
162	100		
164	72.8	52.1	78.1
98	38.0	28.9	43.3

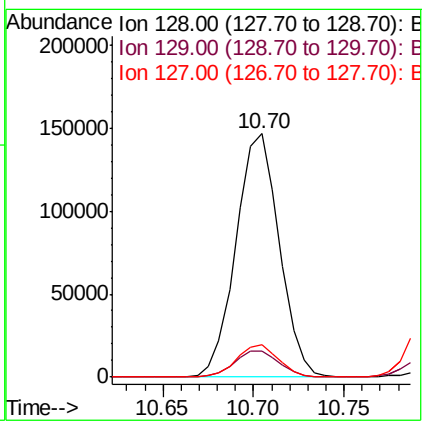


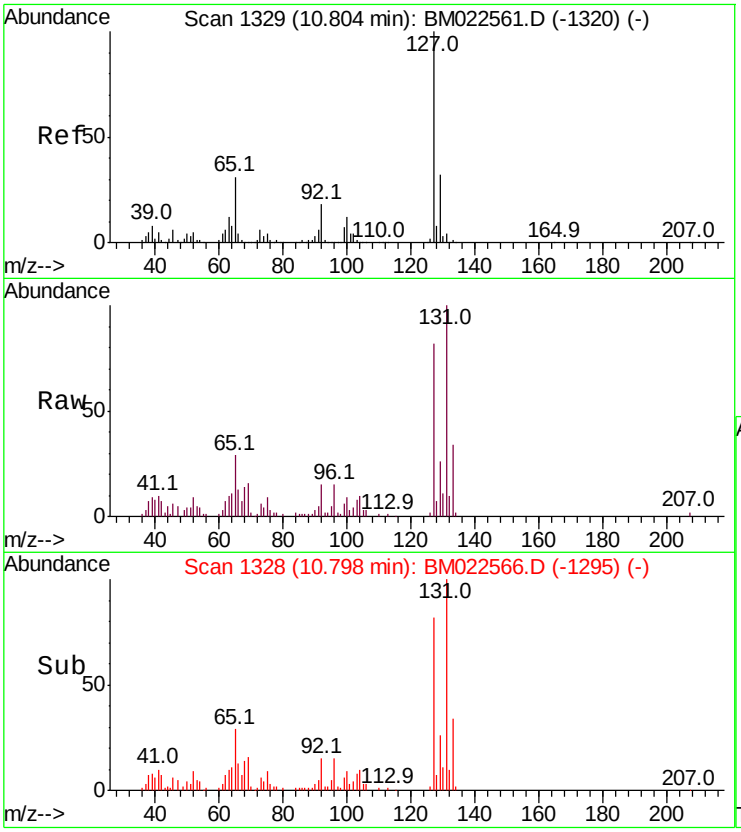


#28
Naphthalene
Concen: 3.866 ng/ul
RT: 10.70 min Scan# 1312
Delta R.T. 0.00 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Tgt Ion:128 Resp: 243710

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.9	13.3
127	13.2	10.6	16.0



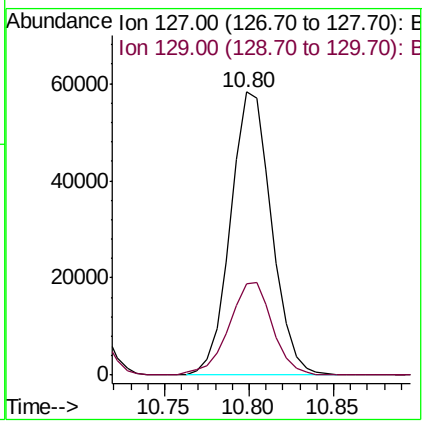


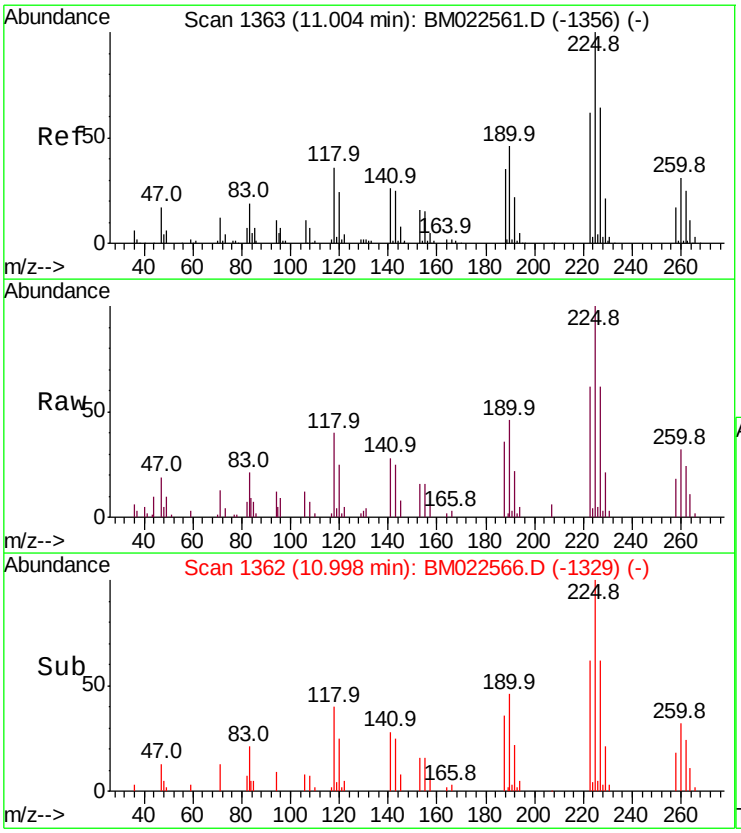
#30
4-Chloroaniline
Concen: 3.780 ng/ul
RT: 10.80 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-04

Tgt Ion:127 Resp: 98490

Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.4	38.2

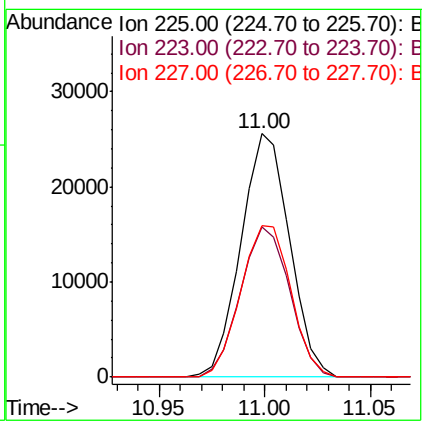


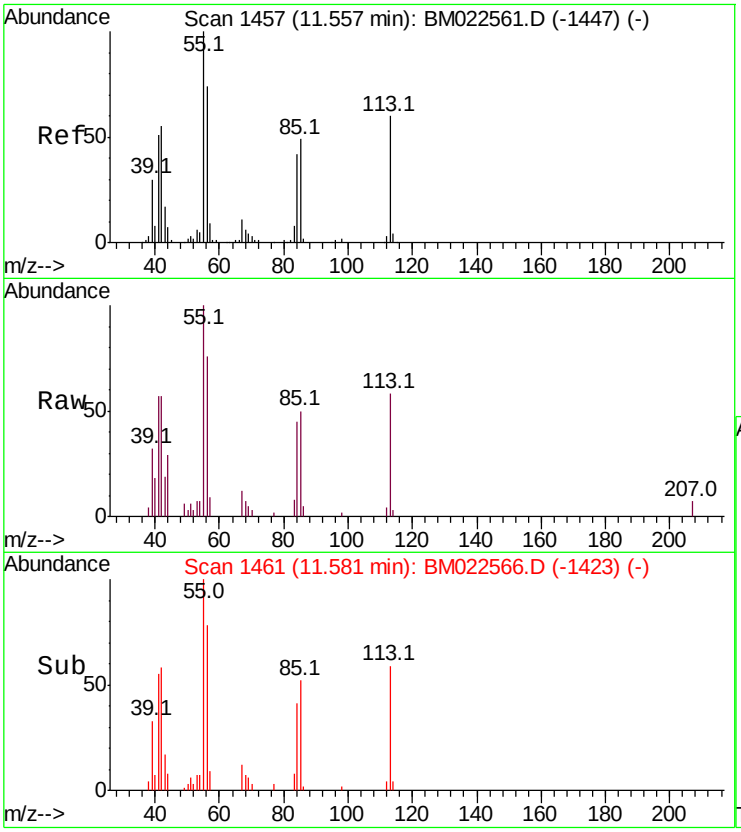


#31
Hexachlorobutadiene
Concen: 3.512 ng/ul
RT: 11.00 min Scan# 1362
Delta R.T. -0.01 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Tgt Ion:225 Resp: 41024

Ion	Ratio	Lower	Upper
225	100		
223	61.7	50.1	75.1
227	62.2	51.8	77.8



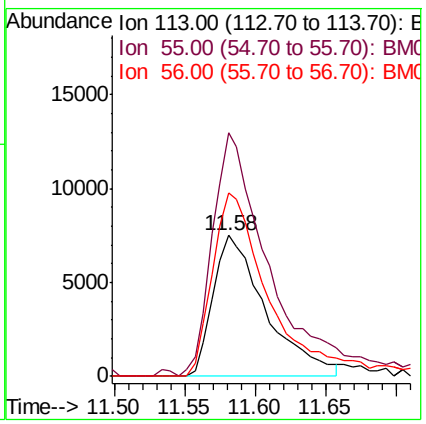


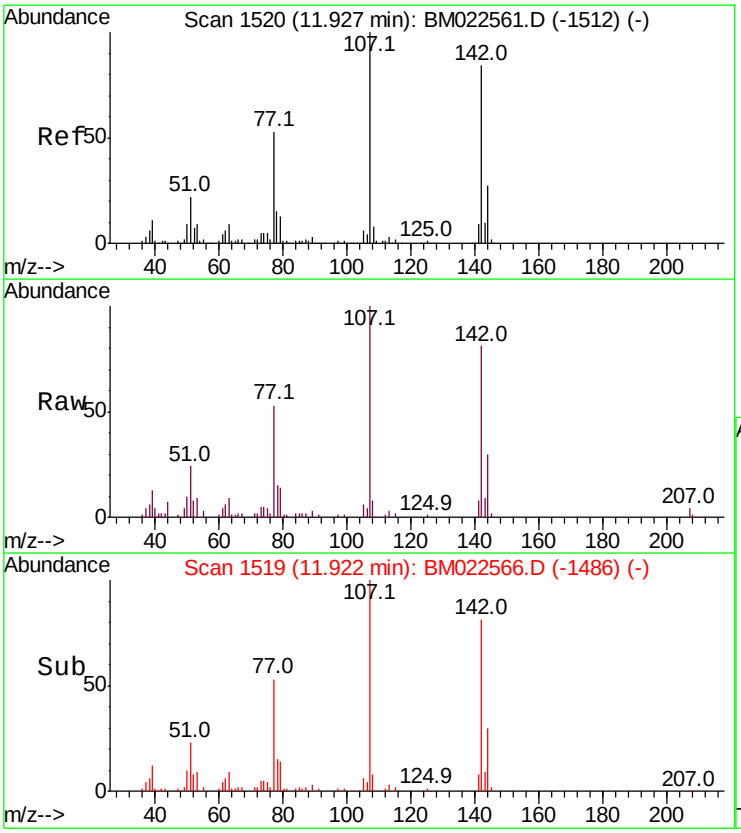
#32
Caprolactam
Concen: 2.779 ng/ul
RT: 11.58 min Scan# 1461
Delta R.T. 0.02 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-04

Tgt Ion:113 Resp: 19611

Ion	Ratio	Lower	Upper
113	100		
55	173.2	135.6	203.4
56	130.8	98.4	147.6

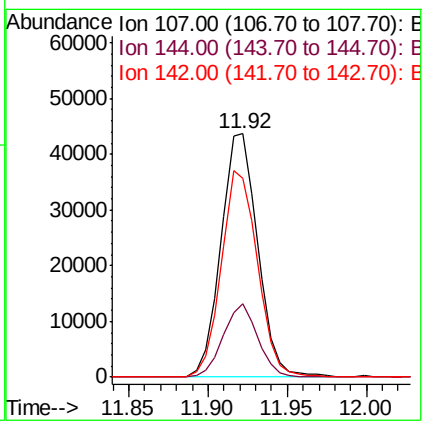


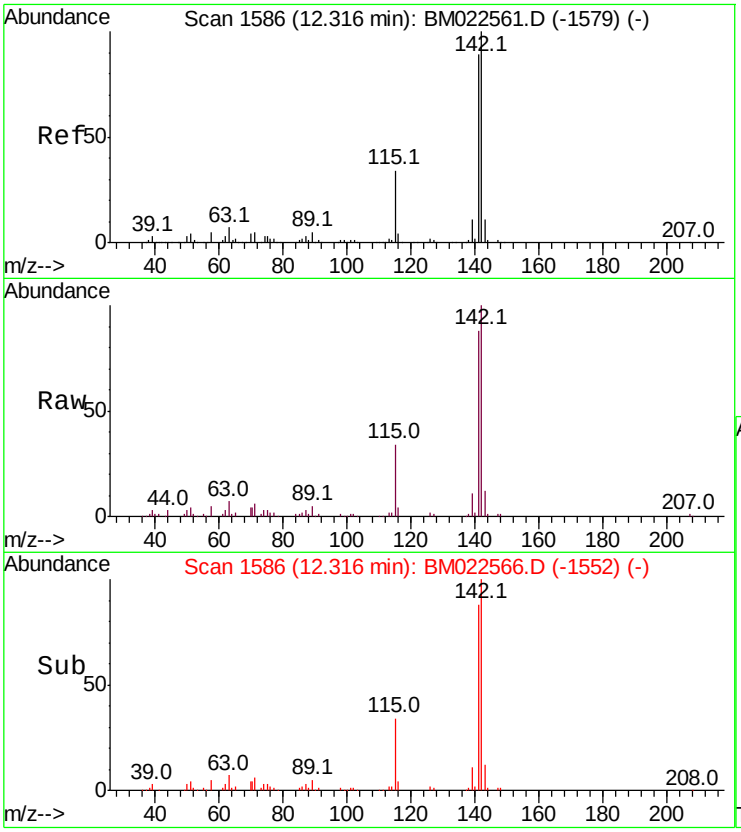


#33
4-Chloro-3-methylphenol
Concen: 3.355 ng/ul
RT: 11.92 min Scan# 1519
Delta R.T. -0.01 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Tgt Ion:107 Resp: 70196

Ion	Ratio	Lower	Upper
107	100		
144	29.9	22.6	34.0
142	81.5	67.0	100.4



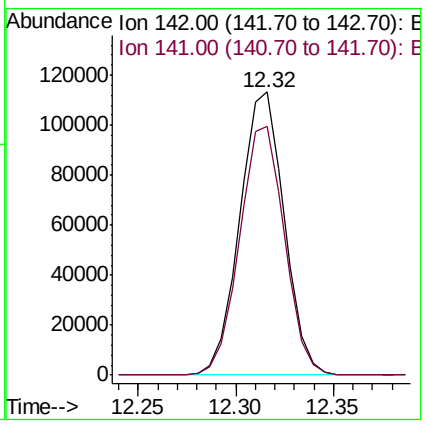


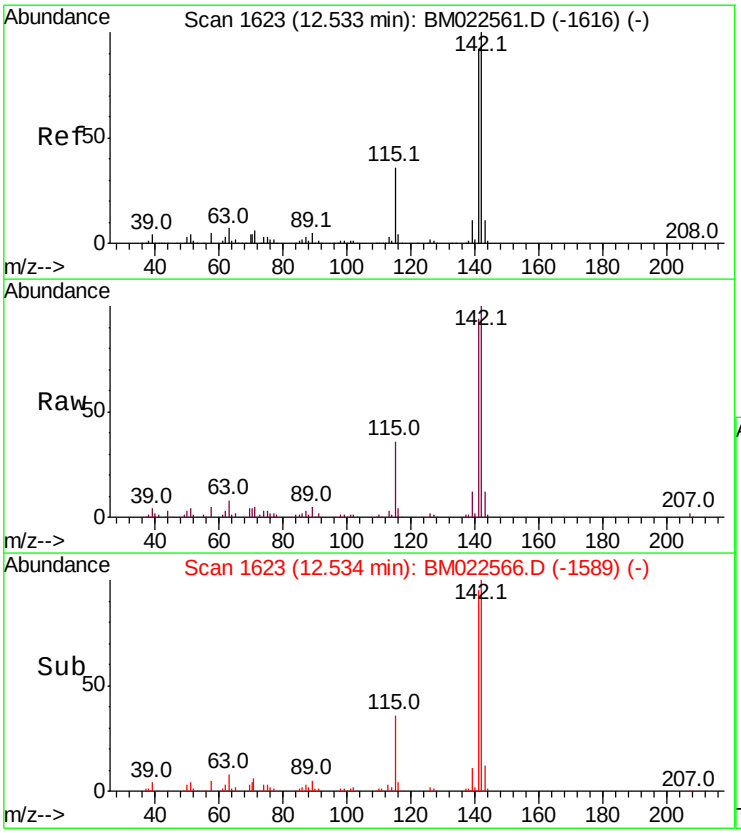
#34
2-Methylnaphthalene
Concen: 3.763 ng/ul
RT: 12.32 min Scan# 1586
Delta R.T. 0.00 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-04

Tgt Ion:142 Resp: 178712

Ion	Ratio	Lower	Upper
142	100		
141	88.1	71.0	106.4

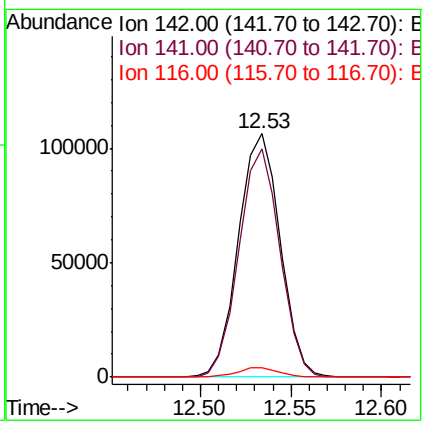


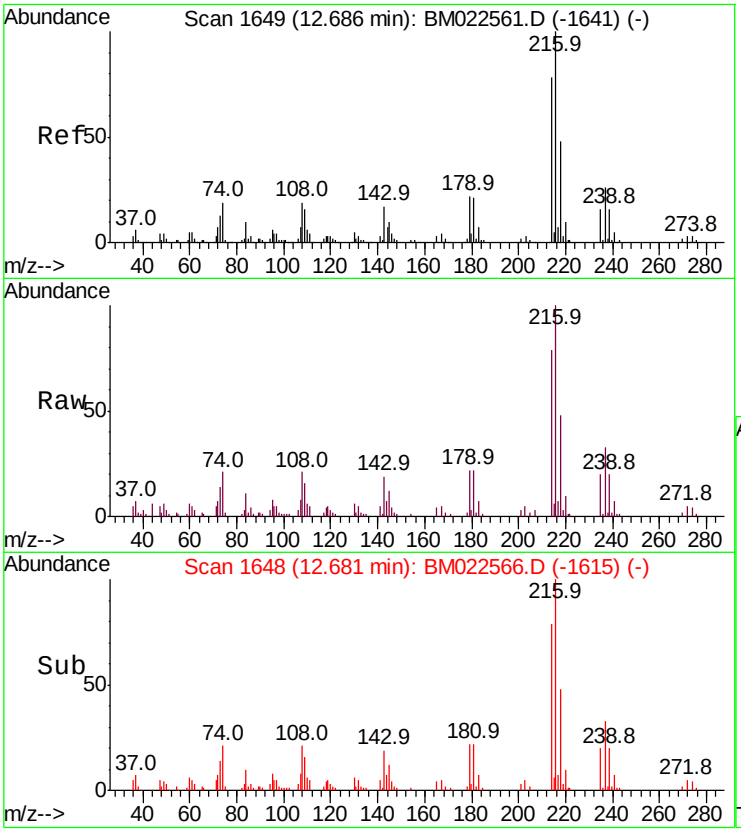


#35
1-Methylnaphthalene
Concen: 3.756 ng/ul
RT: 12.53 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Tgt Ion:142 Resp: 170413

Ion	Ratio	Lower	Upper
142	100		
141	93.8	72.6	108.8
116	3.6	3.0	4.4



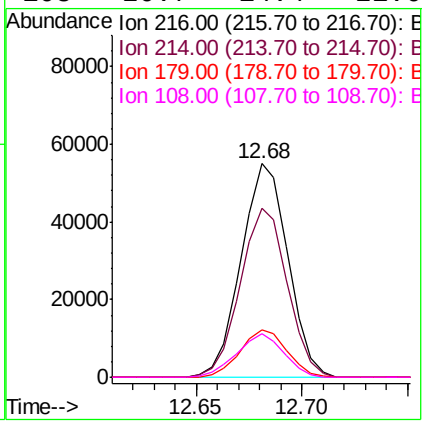


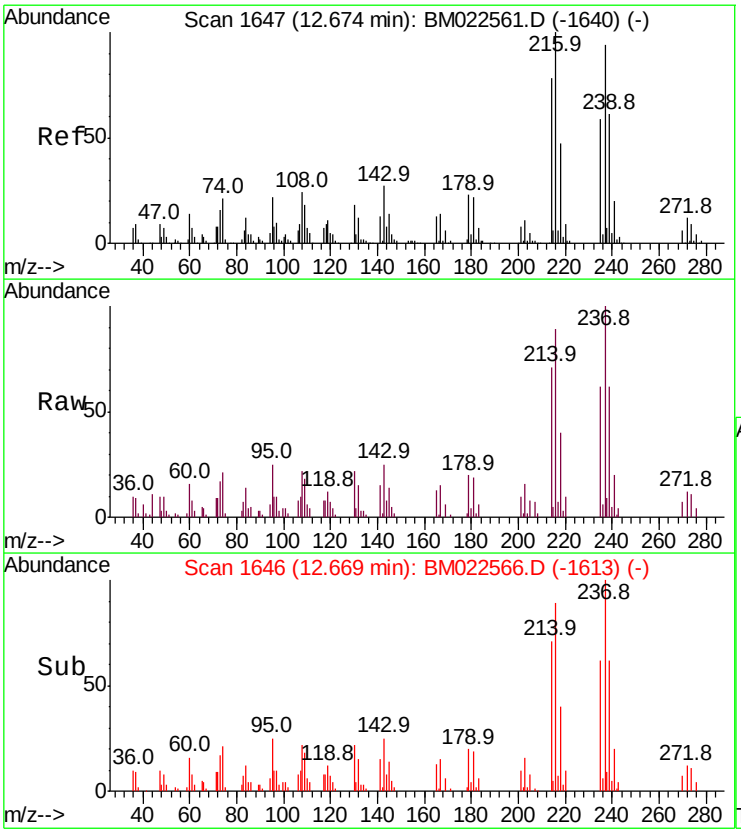
#37
1,2,4,5-Tetrachlorobenzene
Concen: 3.626 ng/ul
RT: 12.68 min Scan# 1648
Delta R.T. -0.01 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-04

Tgt Ion:216 Resp: 84691

Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.4	95.0
179	22.0	16.7	25.1
108	20.7	14.4	21.6

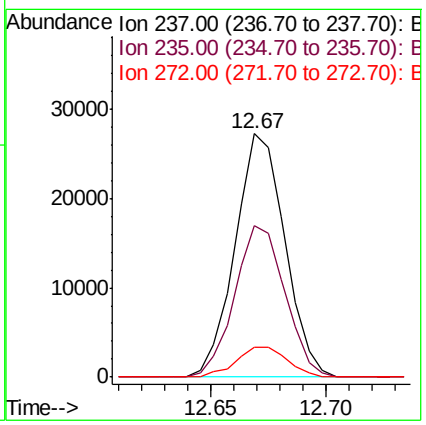


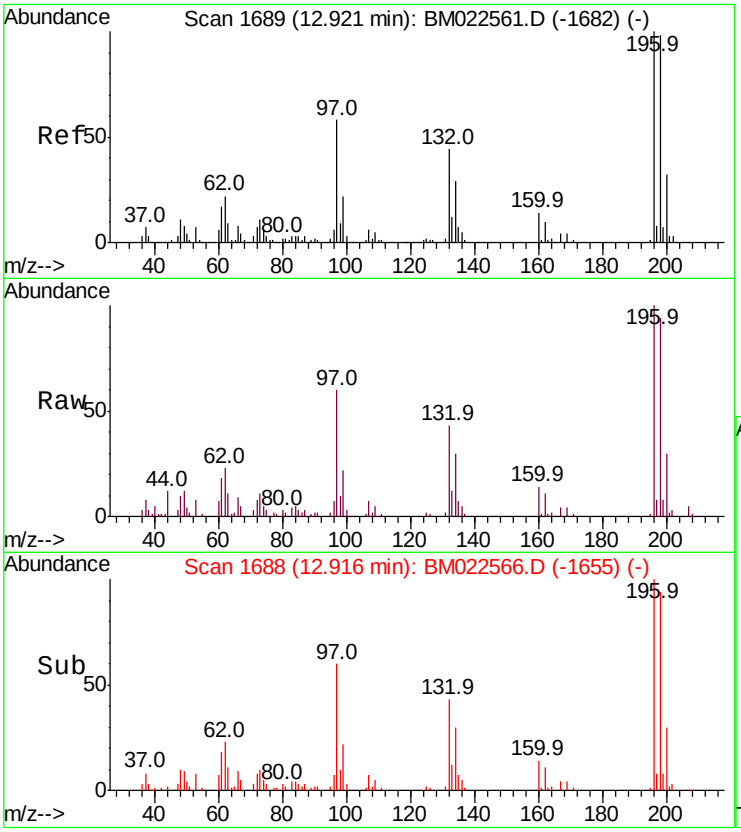


#38
Hexachlorocyclopentadiene
Concen: 2.844 ng/ul
RT: 12.67 min Scan# 1646
Delta R.T. -0.01 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Tgt Ion:237 Resp: 40947

Ion	Ratio	Lower	Upper
237	100		
235	62.0	50.1	75.1
272	12.5	10.2	15.4



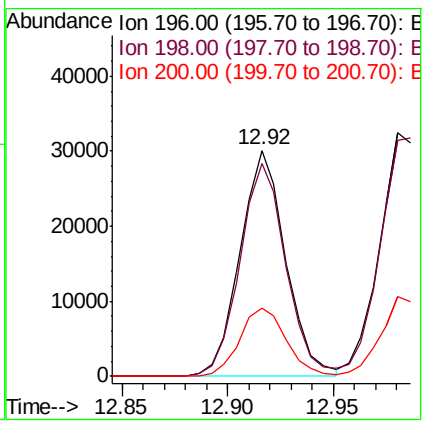


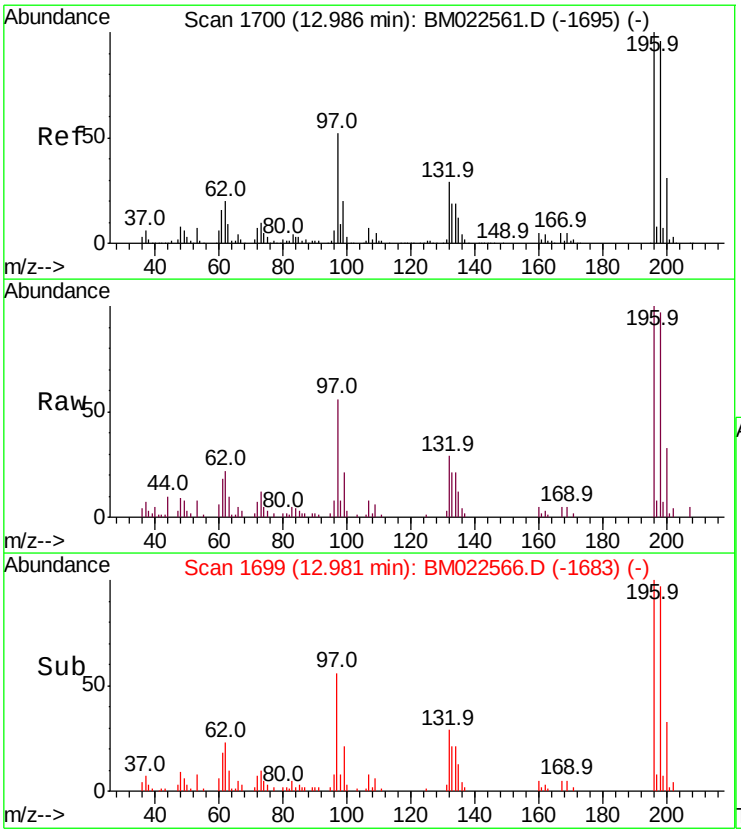
#39
2,4,6-Trichlorophenol
Concen: 3.087 ng/ul
RT: 12.92 min Scan# 1688
Delta R.T. -0.01 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-04

Tgt Ion:196 Resp: 45144

Ion	Ratio	Lower	Upper
196	100		
198	94.3	77.7	116.5
200	30.3	24.6	37.0

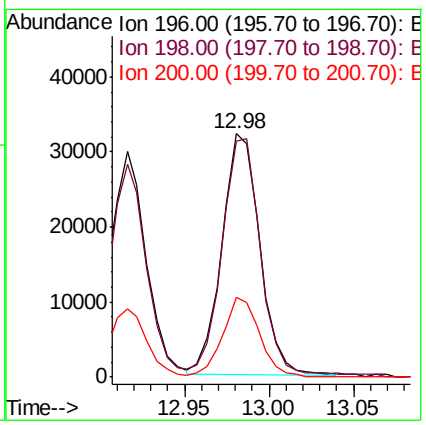


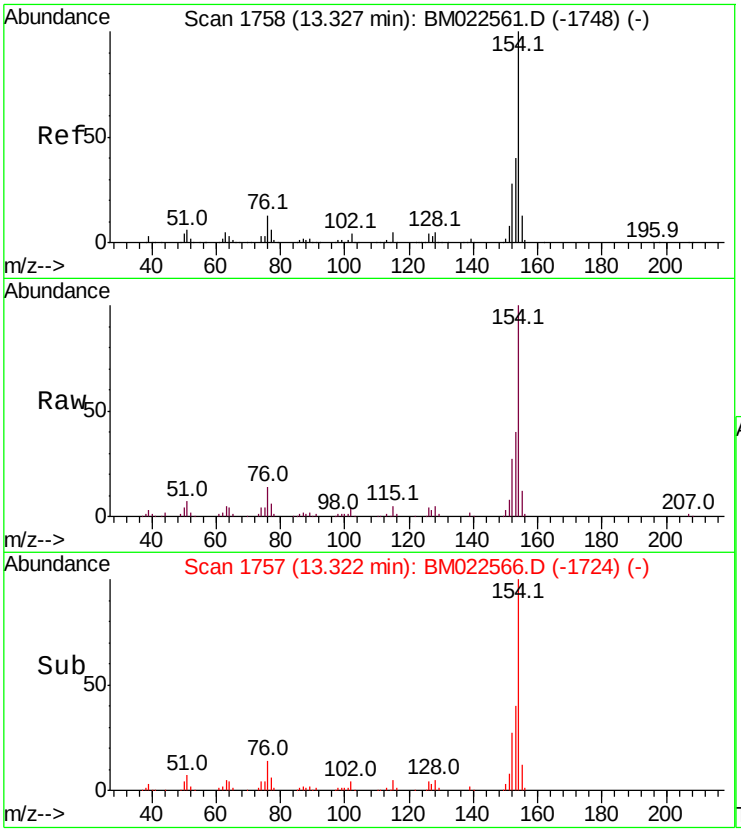


#40
2,4,5-Trichlorophenol
Concen: 3.174 ng/ul
RT: 12.98 min Scan# 1699
Delta R.T. -0.01 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Tgt Ion:196 Resp: 50327

Ion	Ratio	Lower	Upper
196	100		
198	96.8	77.4	116.0
200	32.6	24.0	36.0



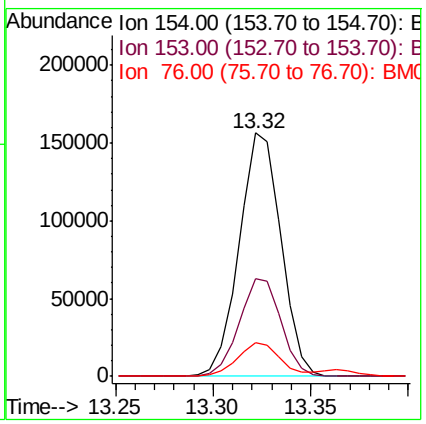


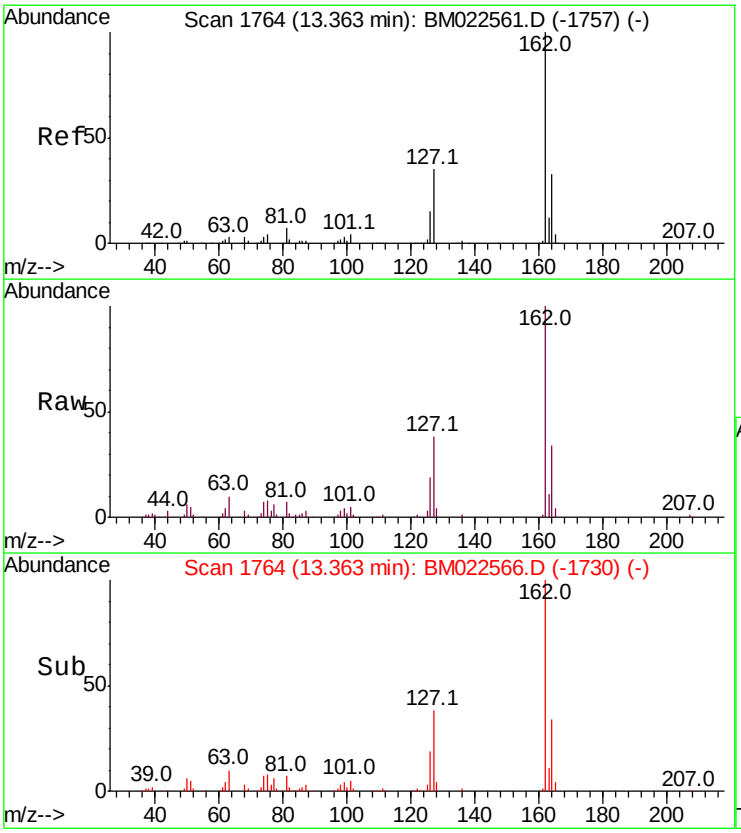
#41
1,1'-Biphenyl
Concen: 3.848 ng/ul
RT: 13.32 min Scan# 1757
Delta R.T. -0.01 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-04

Tgt Ion:154 Resp: 231983

Ion	Ratio	Lower	Upper
154	100		
153	40.1	32.1	48.1
76	13.9	10.2	15.2

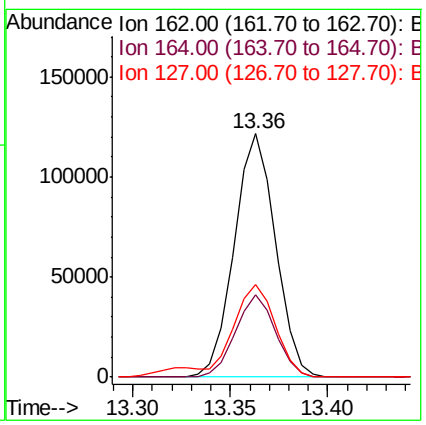


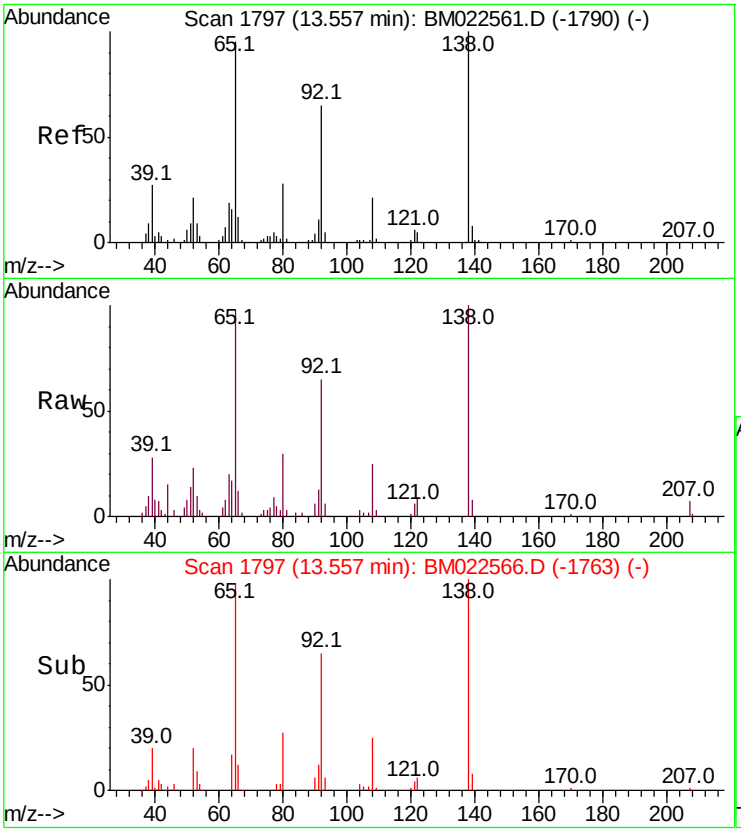


#42
2-Chloronaphthalene
Concen: 3.902 ng/ul
RT: 13.36 min Scan# 1764
Delta R.T. 0.00 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Tgt Ion:162 Resp: 178094

Ion	Ratio	Lower	Upper
162	100		
164	34.0	26.1	39.1
127	38.2	30.1	45.1



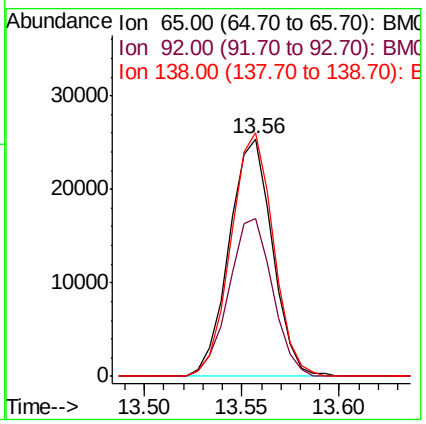


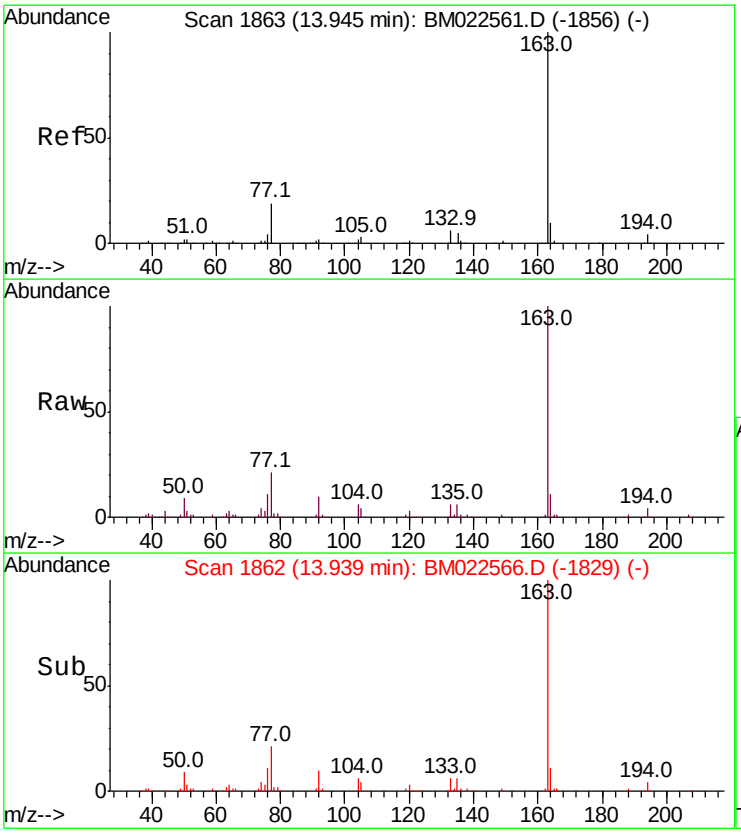
#43
2-Nitroaniline
Concen: 3.661 ng/ul
RT: 13.56 min Scan# 1797
Delta R.T. 0.00 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-04

Tgt Ion: 65 Resp: 39014

Ion	Ratio	Lower	Upper
65	100		
92	66.7	55.7	83.5
138	102.5	86.0	129.0

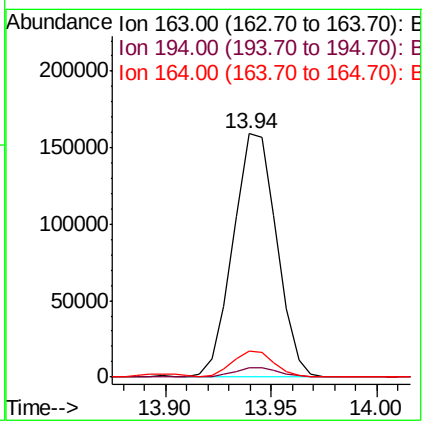


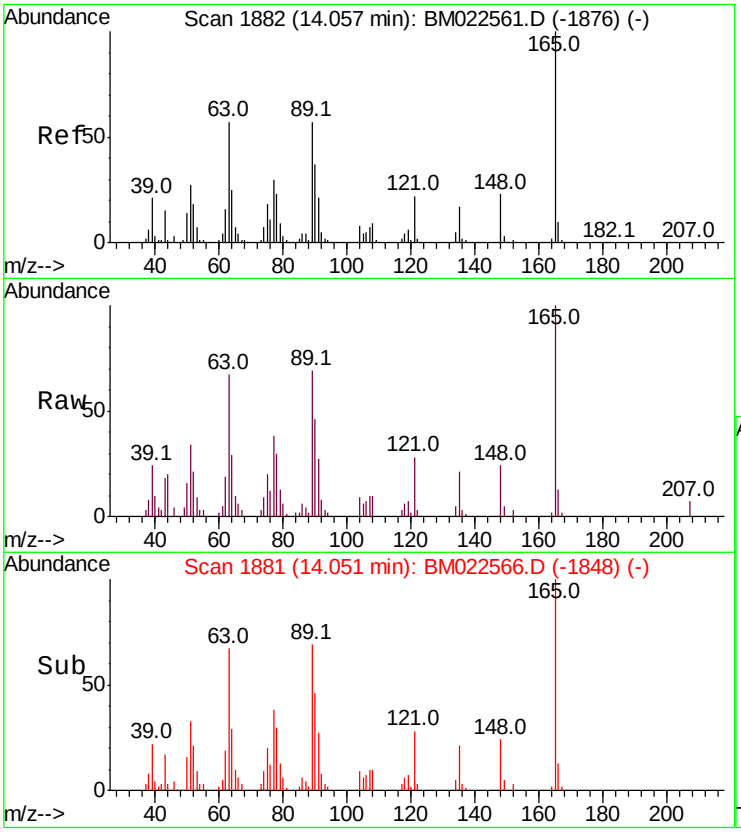


#45
Dimethylphthalate
Concen: 3.831 ng/ul
RT: 13.94 min Scan# 1862
Delta R.T. -0.01 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Tgt Ion:163 Resp: 228138

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.2	4.8
164	10.5	7.8	11.8



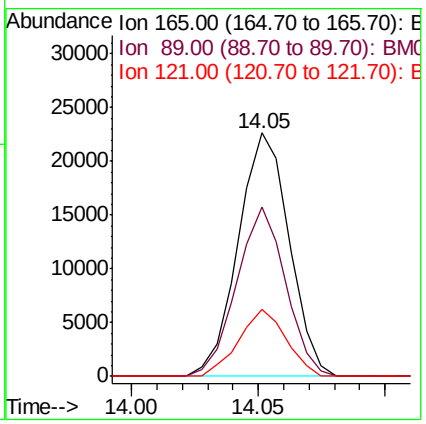


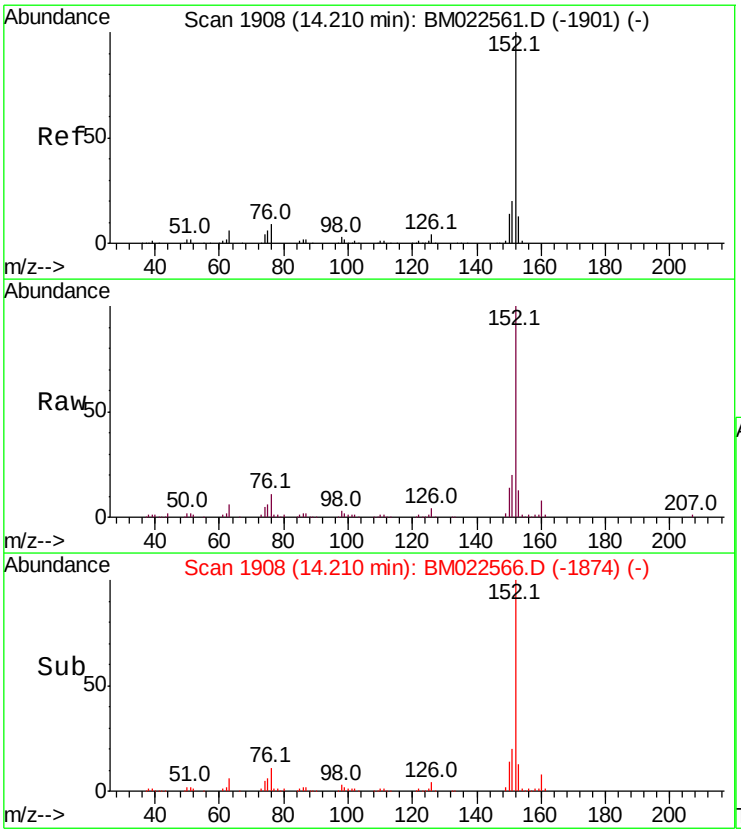
#46
2,6-Dinitrotoluene
Concen: 3.262 ng/ul
RT: 14.05 min Scan# 1881
Delta R.T. -0.01 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-04

Tgt Ion:165 Resp: 31628

Ion	Ratio	Lower	Upper
165	100		
89	69.4	47.7	71.5
121	27.7	18.4	27.6#

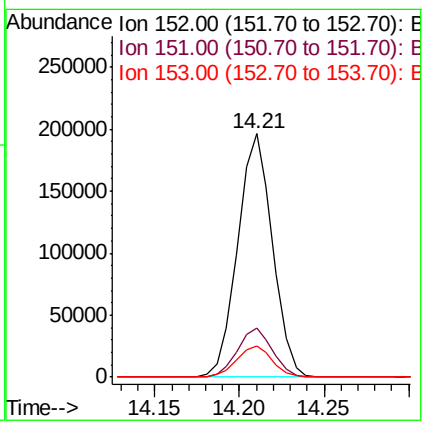


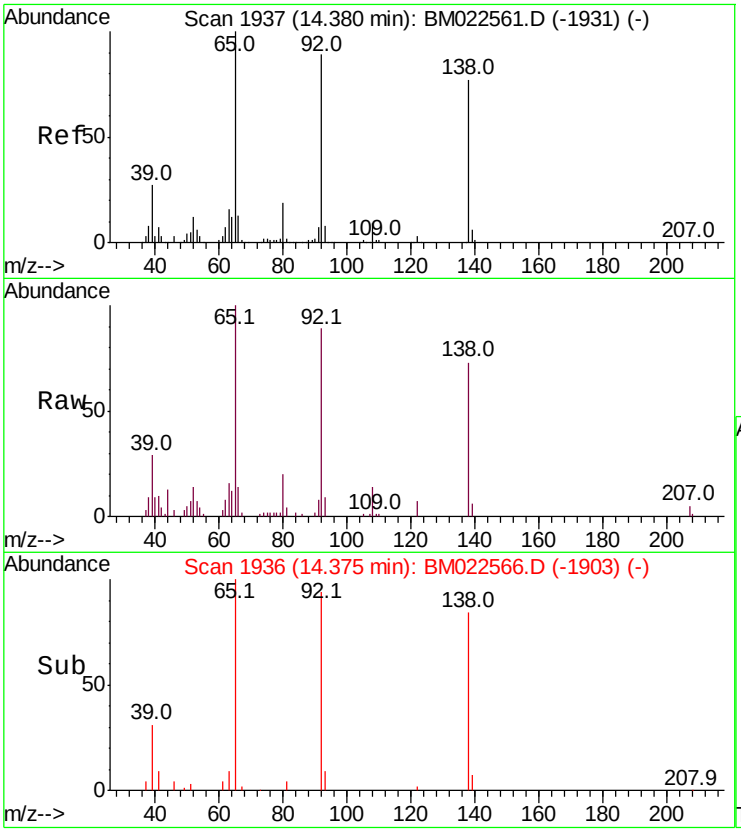


#48
Acenaphthylene
Concen: 3.855 ng/ul
RT: 14.21 min Scan# 1908
Delta R.T. 0.00 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Tgt Ion:152 Resp: 280883

Ion	Ratio	Lower	Upper
152	100		
151	20.2	15.8	23.8
153	12.6	10.4	15.6



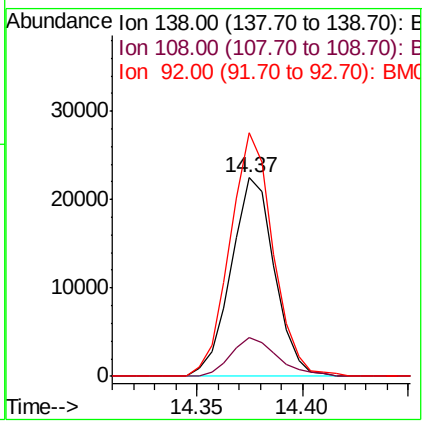


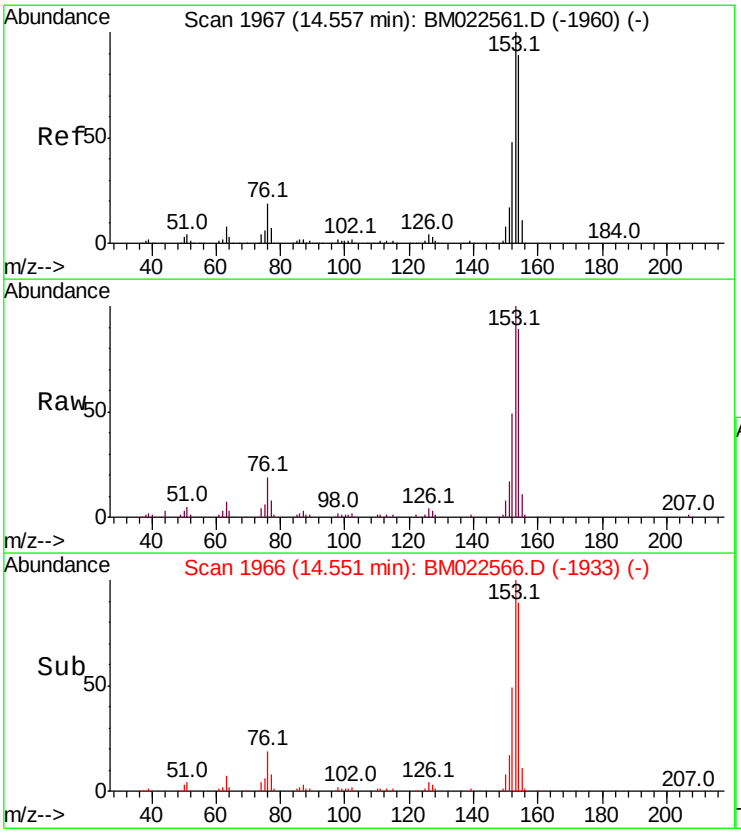
#49
3-Nitroaniline
Concen: 3.048 ng/ul
RT: 14.37 min Scan# 1936
Delta R.T. -0.01 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-04

Tgt Ion:138 Resp: 32047

Ion	Ratio	Lower	Upper
138	100		
108	19.3	13.5	20.3
92	122.6	93.7	140.5

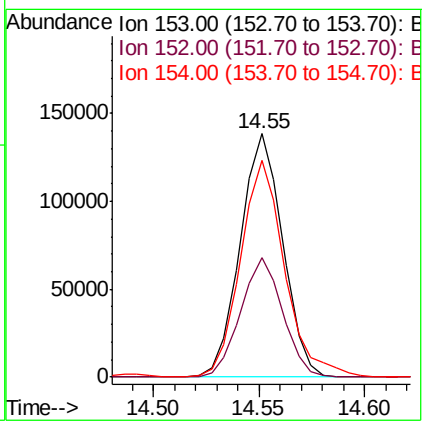


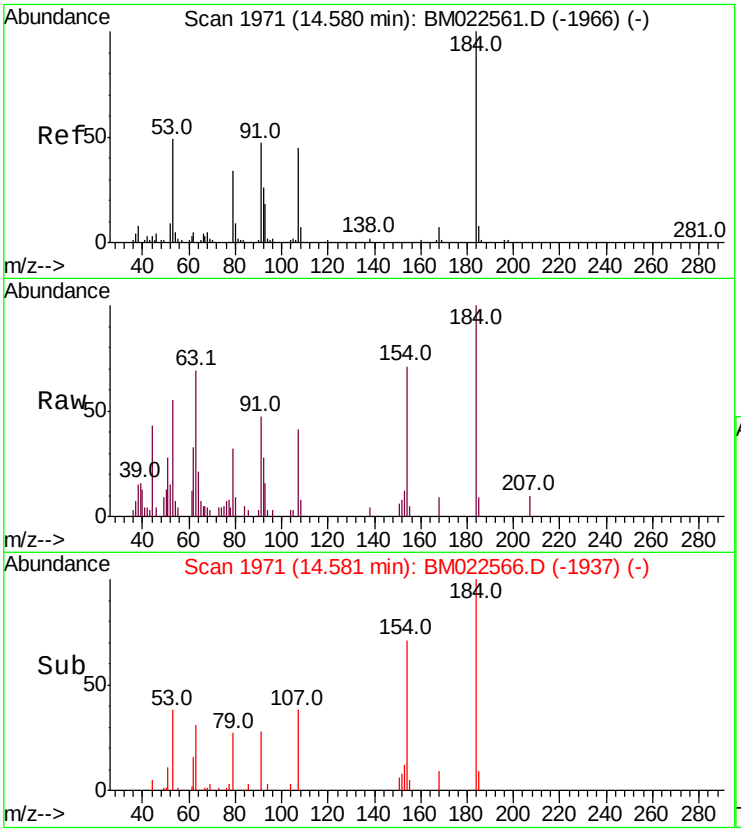


#50
Acenaphthene
Concen: 3.831 ng/ul
RT: 14.55 min Scan# 1966
Delta R.T. -0.01 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Tgt Ion:153 Resp: 193388

Ion	Ratio	Lower	Upper
153	100		
152	49.2	37.5	56.3
154	89.1	71.4	107.0



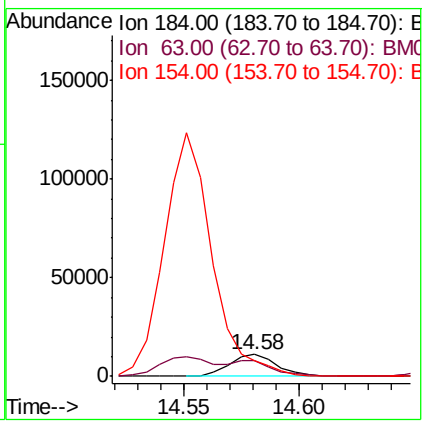


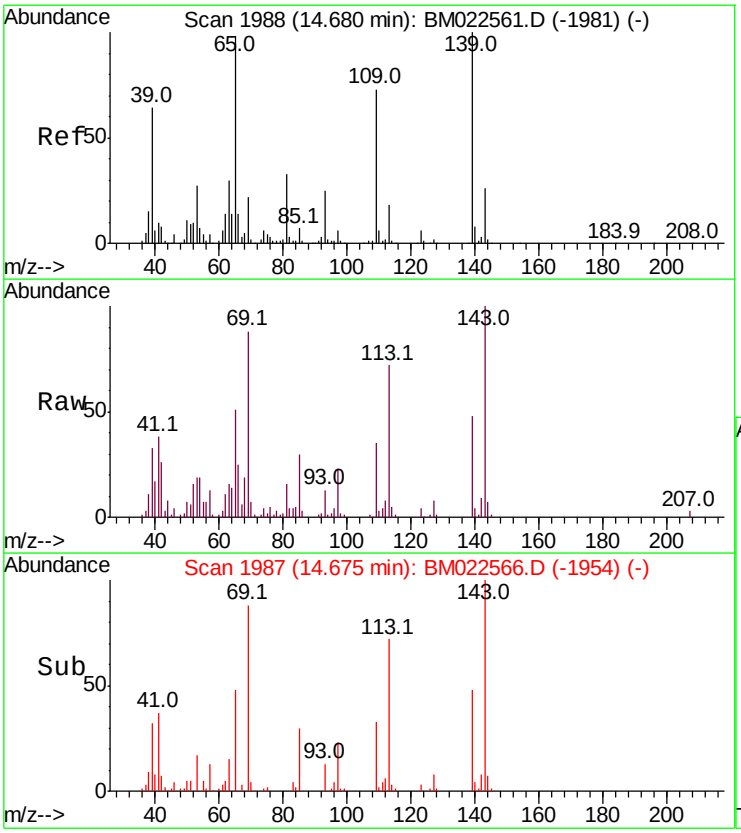
#51
2,4-Dinitrophenol
Concen: 3.569 ng/ul
RT: 14.58 min Scan# 1971
Delta R.T. 0.00 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-04

Tgt Ion:184 Resp: 15871

Ion	Ratio	Lower	Upper
184	100		
63	69.1	51.5	77.3
154	71.3	81.9	122.9#

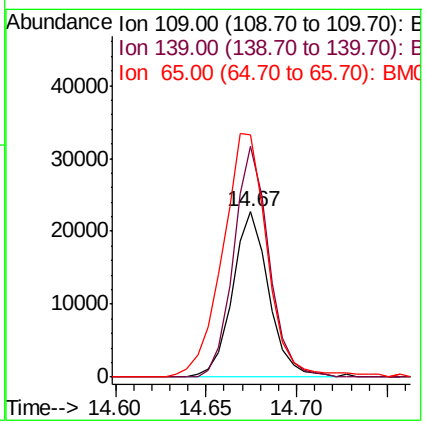


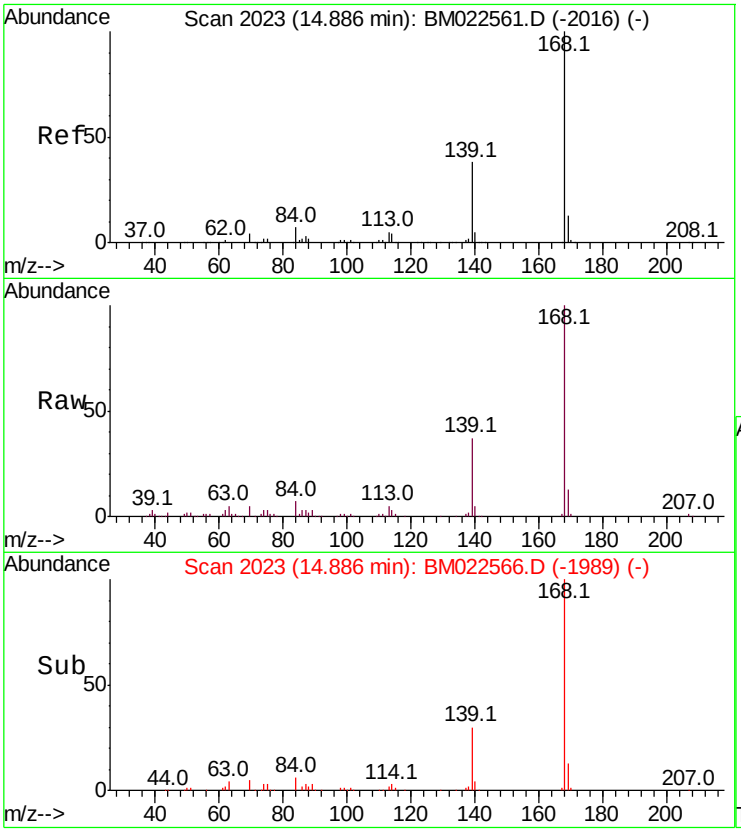


#53
4-Nitrophenol
Concen: 3.916 ng/ul
RT: 14.67 min Scan# 1987
Delta R.T. -0.01 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Tgt Ion:109 Resp: 31528

Ion	Ratio	Lower	Upper
109	100		
139	139.8	107.6	161.4
65	146.9	101.9	152.9



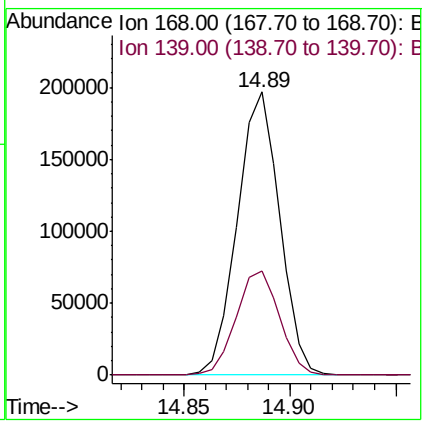


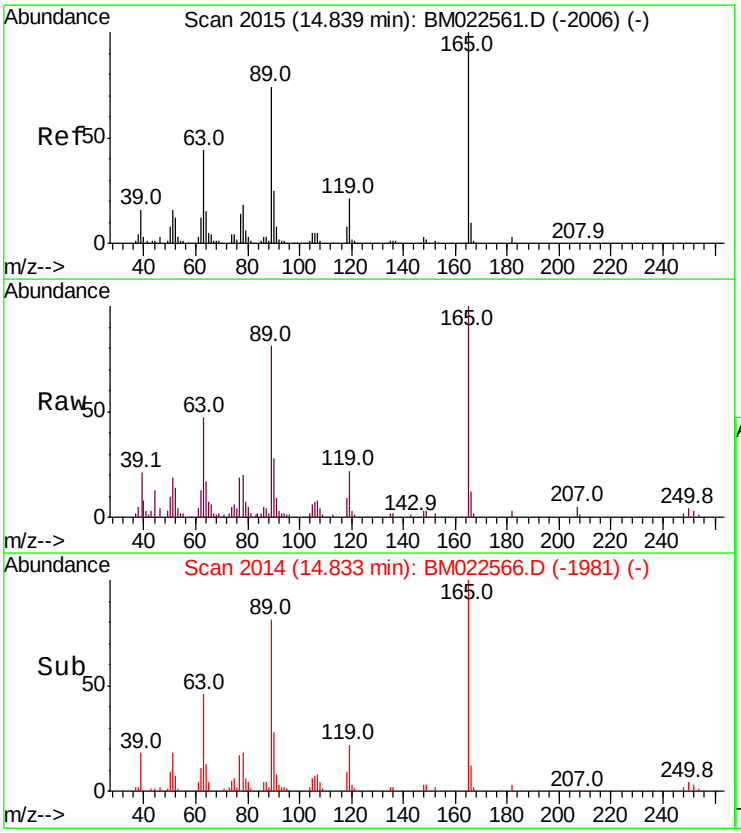
#54
Dibenzofuran
Concen: 3.906 ng/ul
RT: 14.89 min Scan# 2023
Delta R.T. 0.00 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-04

Tgt Ion:168 Resp: 273650

Ion	Ratio	Lower	Upper
168	100		
139	37.0	29.5	44.3

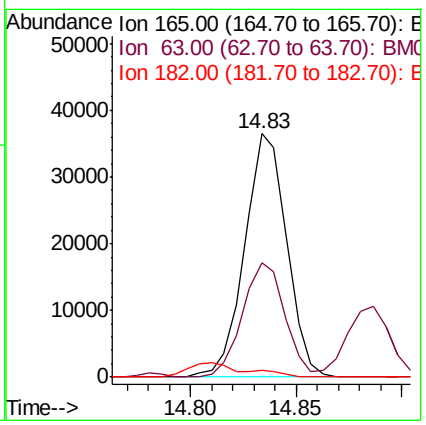


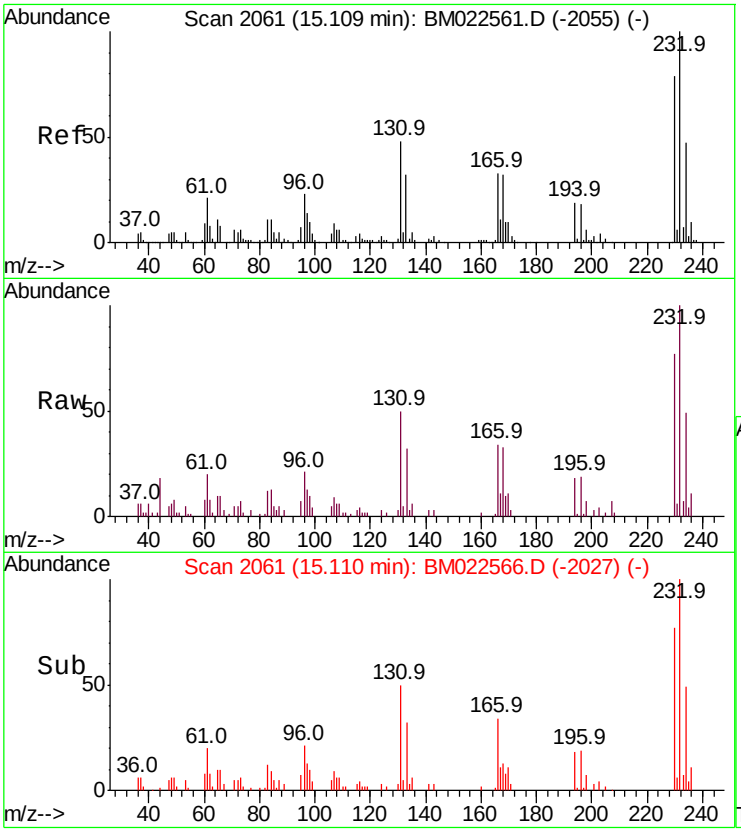


#55
2,4-Dinitrotoluene
Concen: 3.551 ng/ul
RT: 14.83 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Tgt Ion:165 Resp: 50423

Ion	Ratio	Lower	Upper
165	100		
63	47.2	35.7	53.5
182	3.0	2.2	3.2



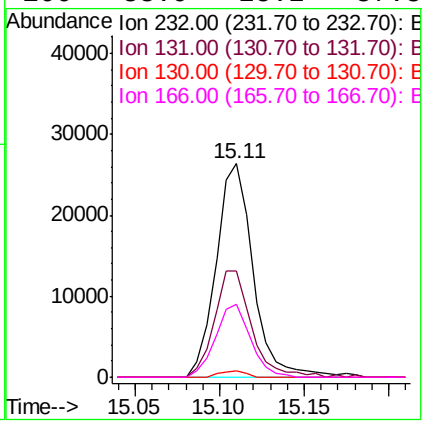


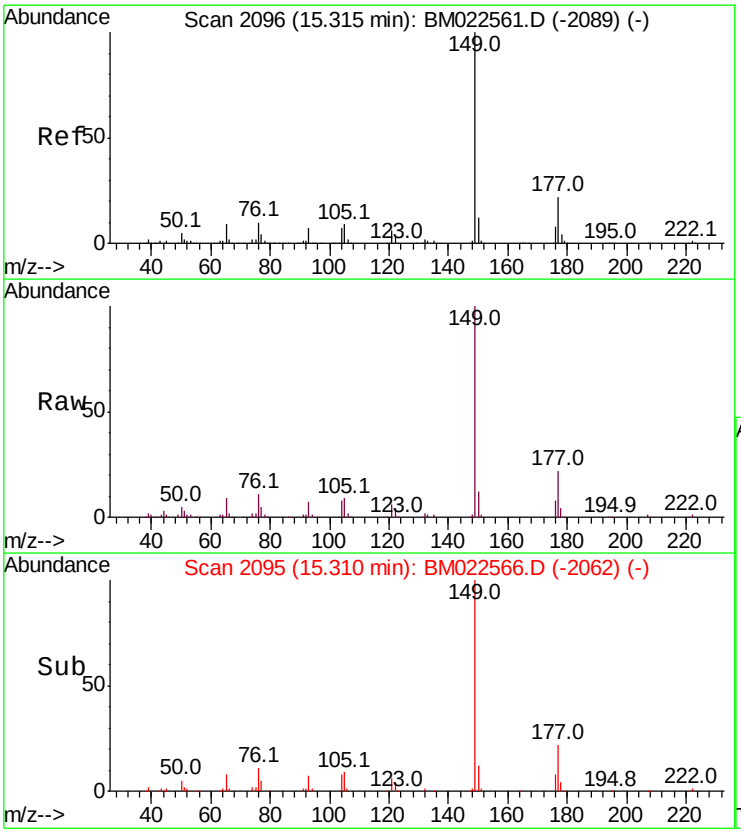
#56
2,3,4,6-Tetrachlorophenol
Concen: 3.045 ng/ul
RT: 15.11 min Scan# 2061
Delta R.T. 0.00 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-04

Tgt Ion:232 Resp: 40114

Ion	Ratio	Lower	Upper
232	100		
131	49.7	36.9	55.3
130	3.0	2.0	3.0
166	33.9	25.2	37.8

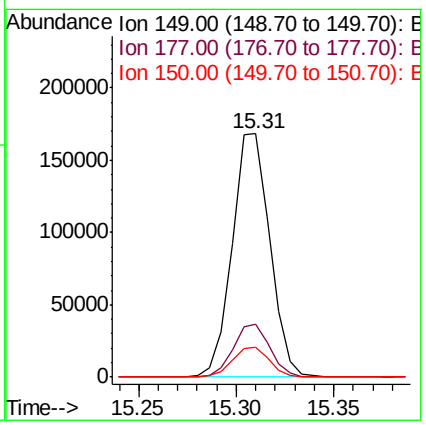


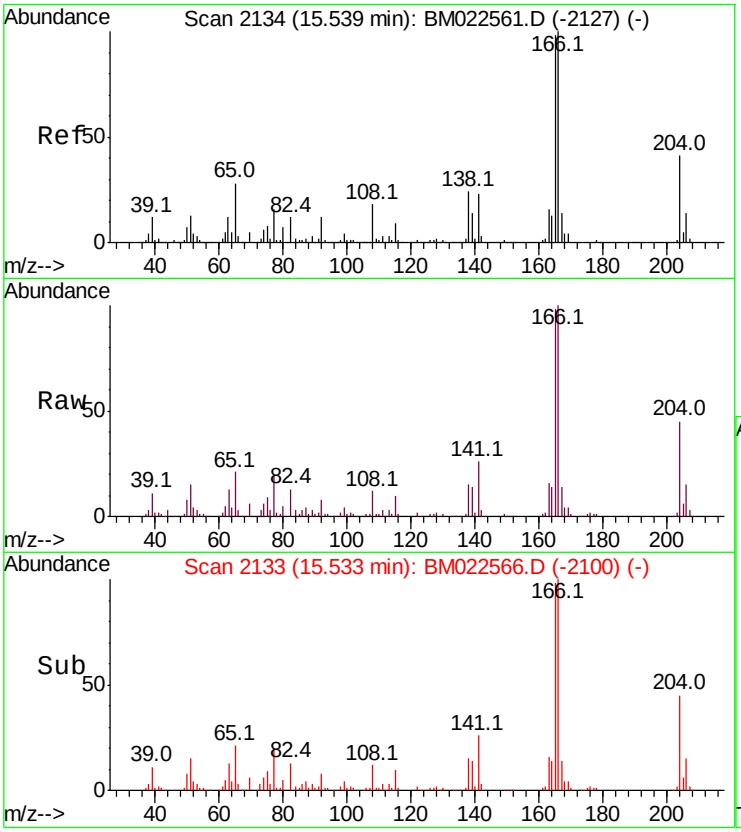


#57
Diethylphthalate
Concen: 3.655 ng/ul
RT: 15.31 min Scan# 2095
Delta R.T. -0.01 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Tgt Ion:149 Resp: 225167

Ion	Ratio	Lower	Upper
149	100		
177	21.6	17.3	25.9
150	12.3	10.2	15.2



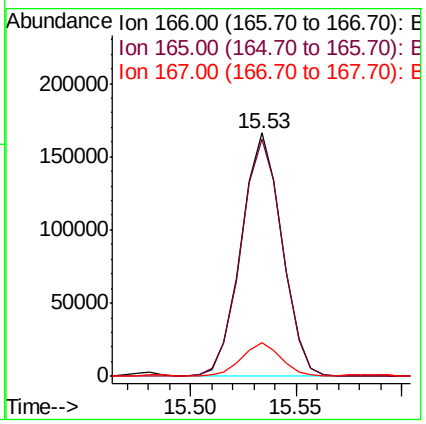


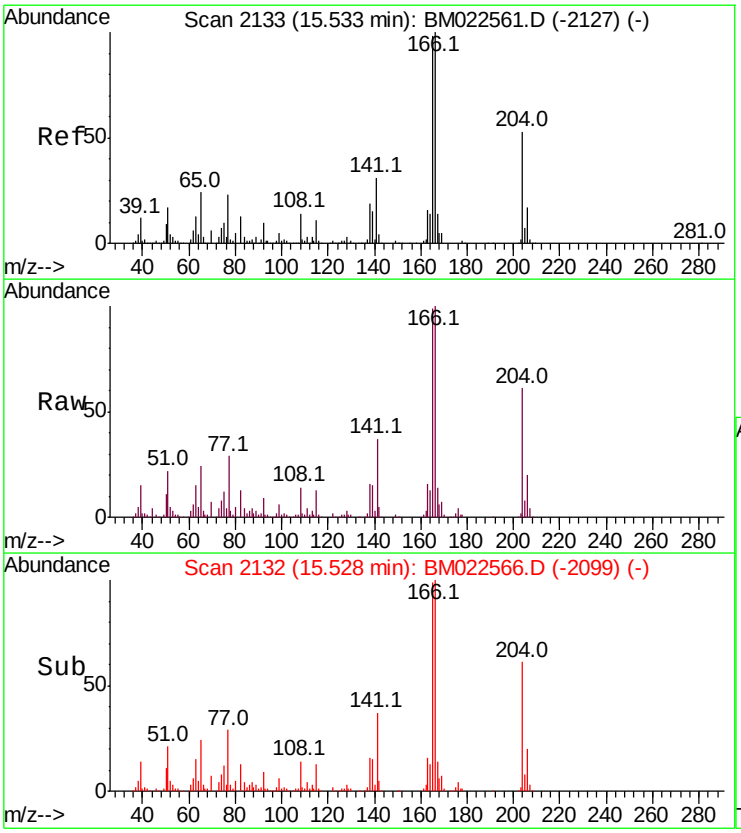
#59
Fluorene
Concen: 3.879 ng/ul
RT: 15.53 min Scan# 2133
Delta R.T. -0.01 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-04

Tgt Ion:166 Resp: 223584

Ion	Ratio	Lower	Upper
166	100		
165	97.6	77.8	116.8
167	13.7	10.9	16.3

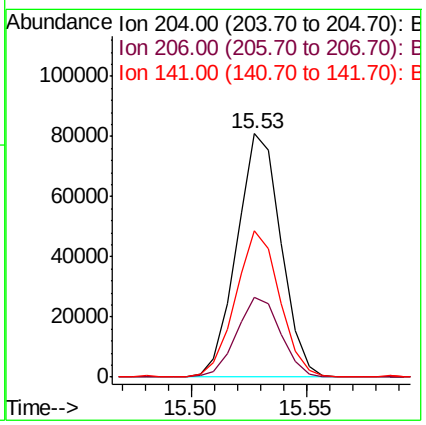


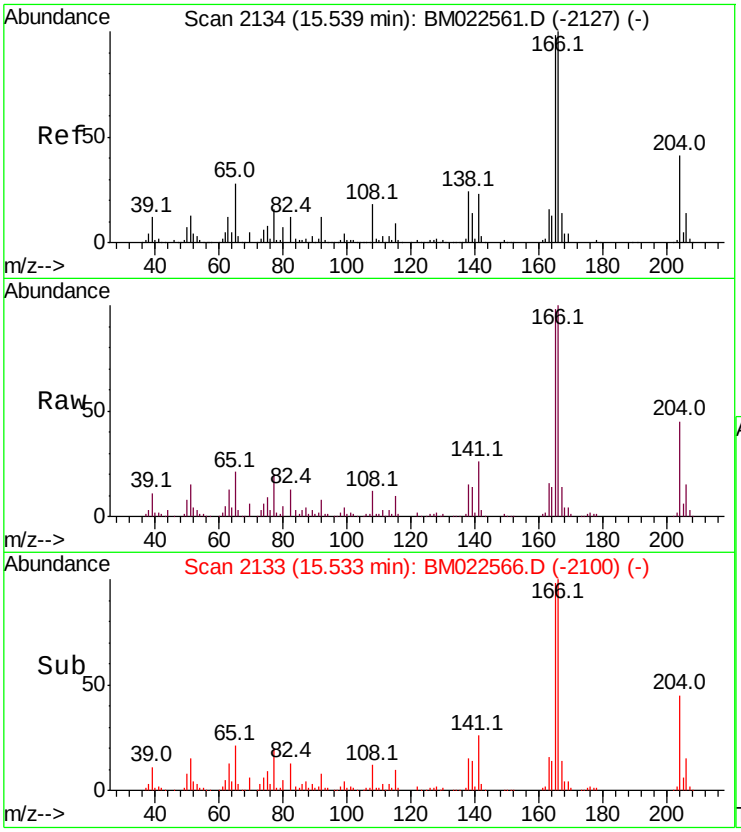


#60
4-Chlorophenyl-phenylether
Concen: 3.792 ng/ul
RT: 15.53 min Scan# 2132
Delta R.T. -0.01 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Tgt Ion:204 Resp: 108172

Ion	Ratio	Lower	Upper
204	100		
206	32.7	26.0	39.0
141	60.3	45.4	68.2



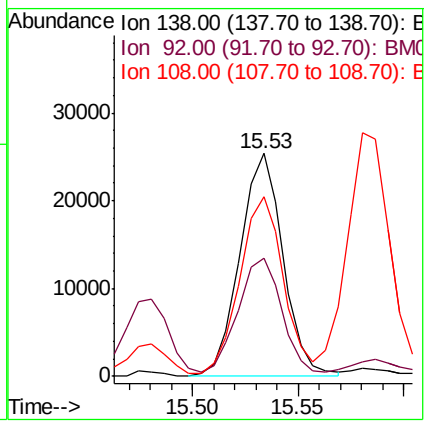


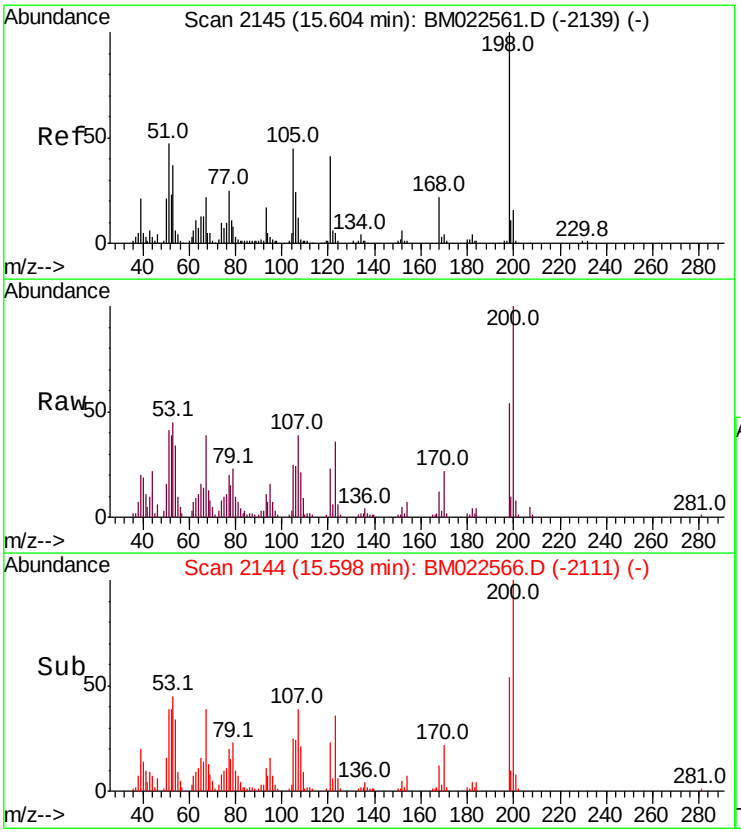
#61
4-Nitroaniline
Concen: 3.007 ng/ul
RT: 15.53 min Scan# 2133
Delta R.T. -0.01 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-04

Tgt Ion:138 Resp: 36024

Ion	Ratio	Lower	Upper
138	100		
92	53.3	40.3	60.5
108	80.5	62.2	93.2

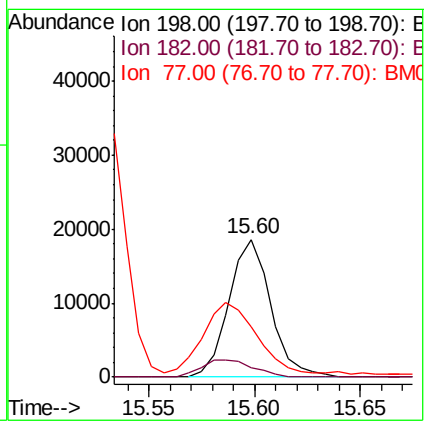


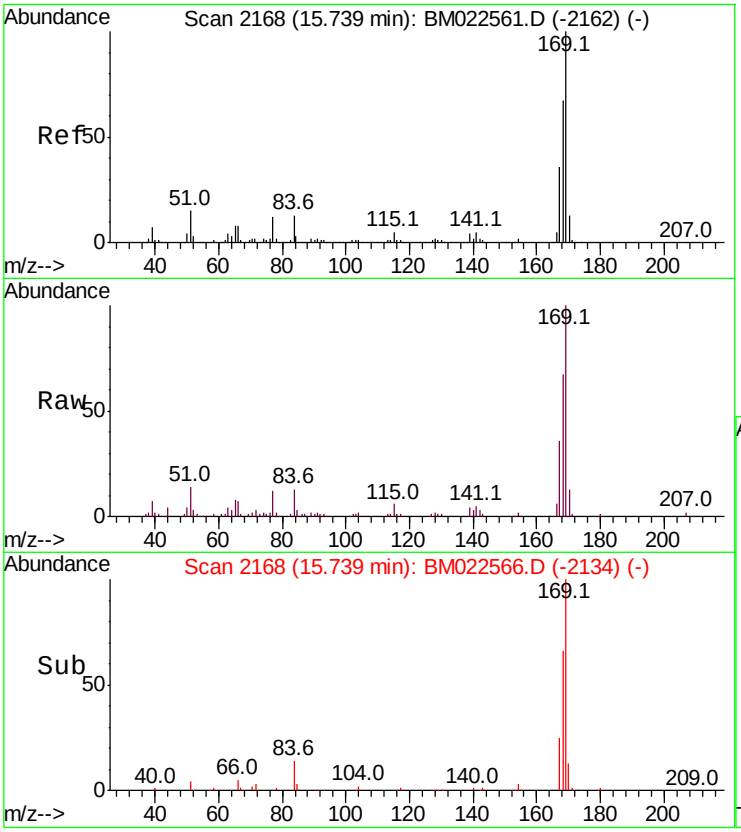


#64
4,6-Dinitro-2-methylphenol
Concen: 3.248 ng/ul
RT: 15.60 min Scan# 2144
Delta R.T. -0.01 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Tgt Ion:198 Resp: 25585

Ion	Ratio	Lower	Upper
198	100		
182	7.3	3.4	5.0#
77	36.7	19.7	29.5#



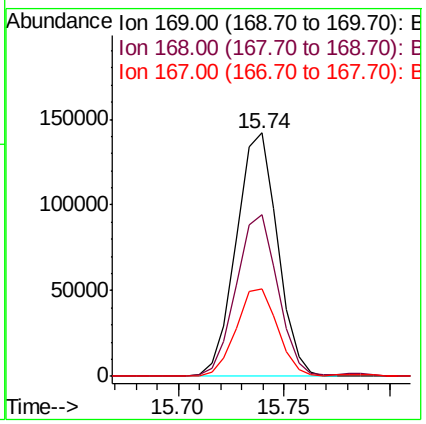


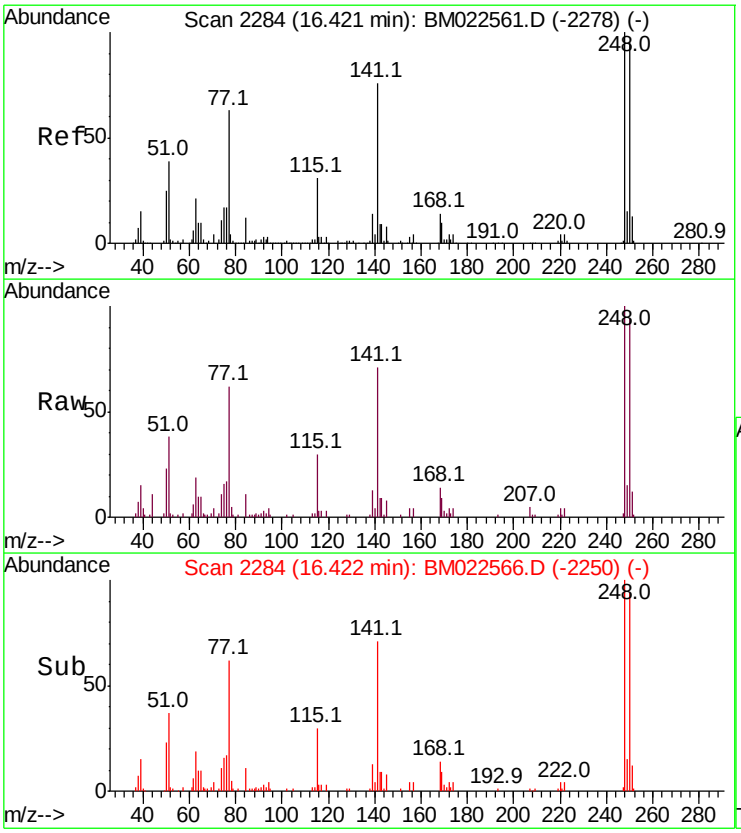
#65
N-Nitrosodiphenylamine
Concen: 3.769 ng/ul
RT: 15.74 min Scan# 2168
Delta R.T. 0.00 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-04

Tgt Ion:169 Resp: 192615

Ion	Ratio	Lower	Upper
169	100		
168	66.6	53.5	80.3
167	36.2	29.5	44.3

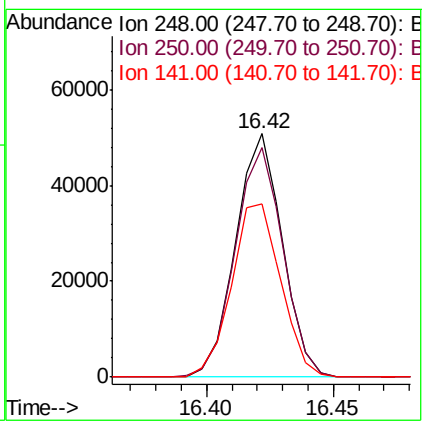


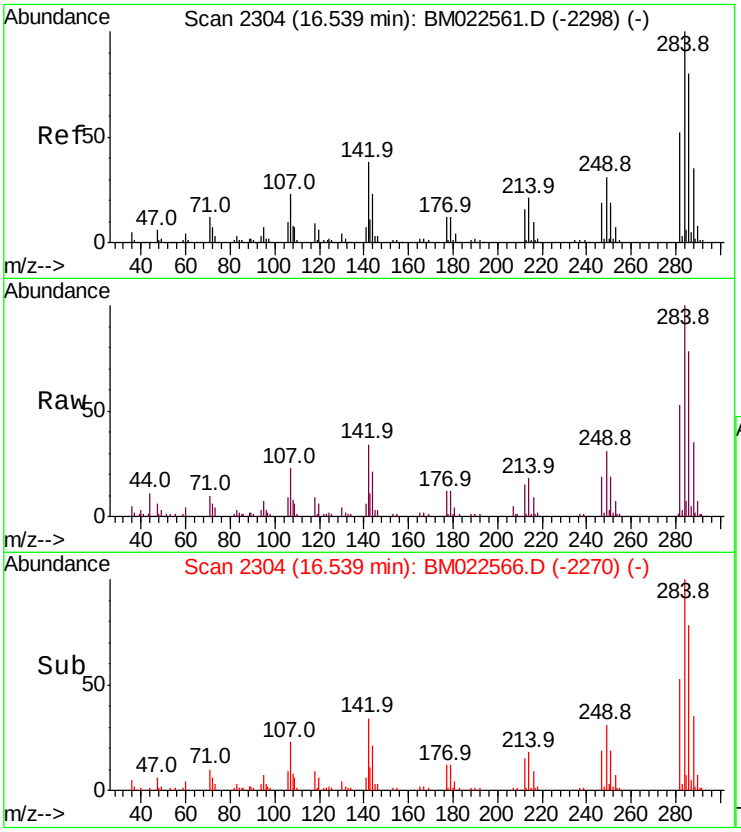


#66
4-Bromophenyl-phenylether
Concen: 3.483 ng/ul
RT: 16.42 min Scan# 2284
Delta R.T. 0.00 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Tgt Ion:248 Resp: 65185

Ion	Ratio	Lower	Upper
248	100		
250	94.4	76.3	114.5
141	71.2	57.0	85.4



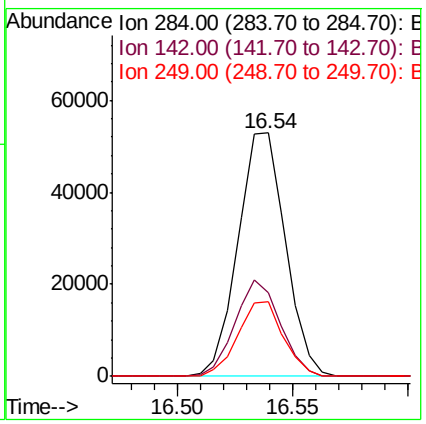


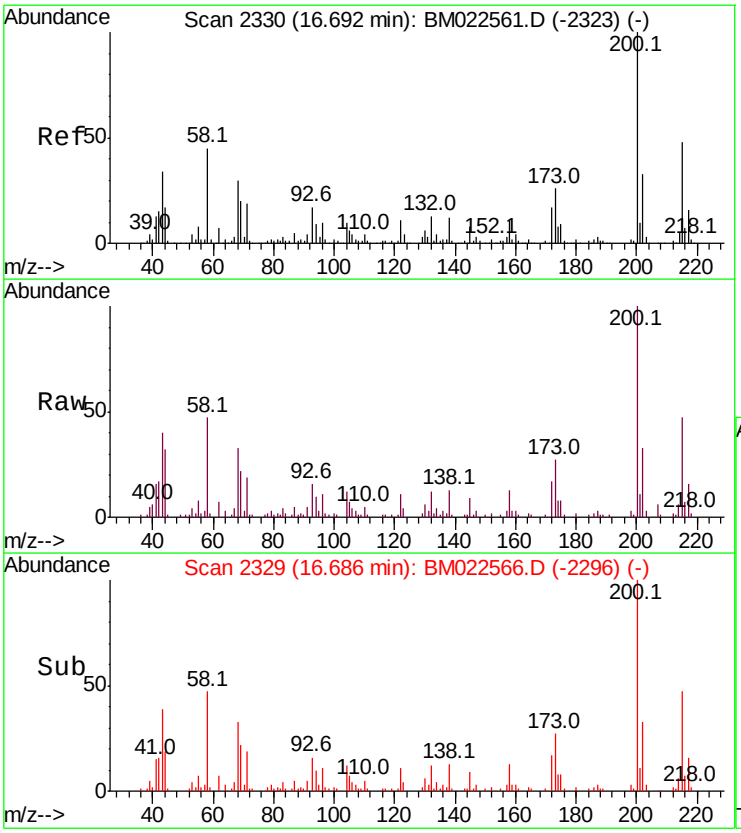
#67
Hexachlorobenzene
Concen: 3.679 ng/ul
RT: 16.54 min Scan# 2304
Delta R.T. 0.00 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-04

Tgt Ion:284 Resp: 75874

Ion	Ratio	Lower	Upper
284	100		
142	34.2	29.3	43.9
249	30.6	24.7	37.1

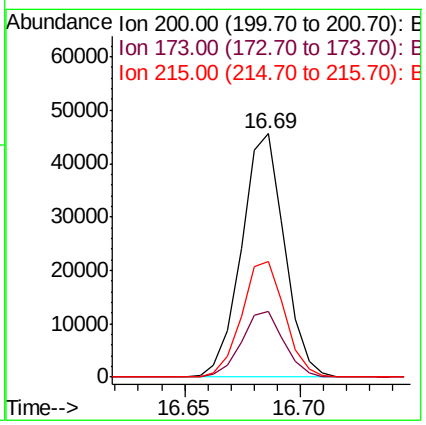


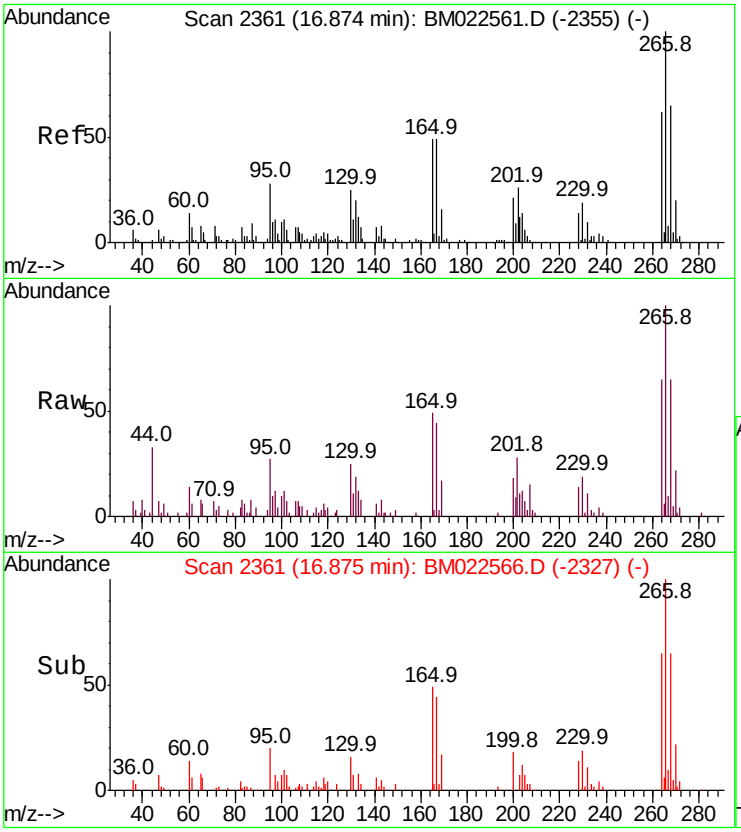


#68
Atrazine
Concen: 3.006 ng/ul
RT: 16.69 min Scan# 2329
Delta R.T. -0.01 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Tgt Ion:200 Resp: 59055

Ion	Ratio	Lower	Upper
200	100		
173	27.2	21.6	32.4
215	47.4	39.0	58.4



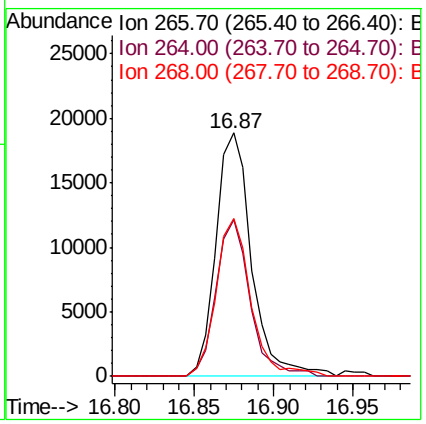


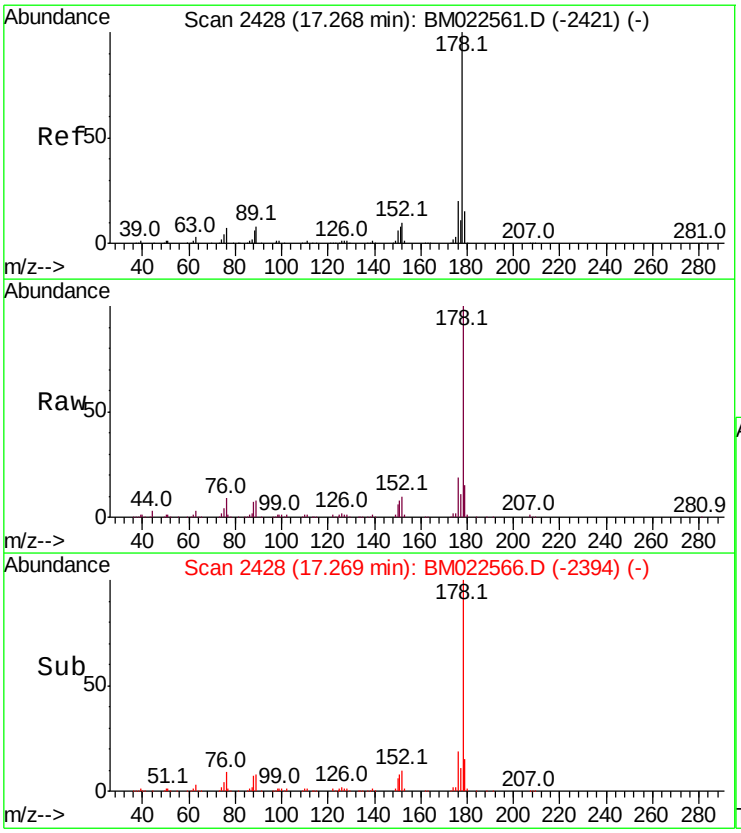
#69
Pentachlorophenol
Concen: 2.592 ng/ul
RT: 16.87 min Scan# 2361
Delta R.T. 0.00 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-04

Tgt Ion:266 Resp: 29491

Ion	Ratio	Lower	Upper
266	100		
264	64.5	50.8	76.2
268	64.7	50.9	76.3

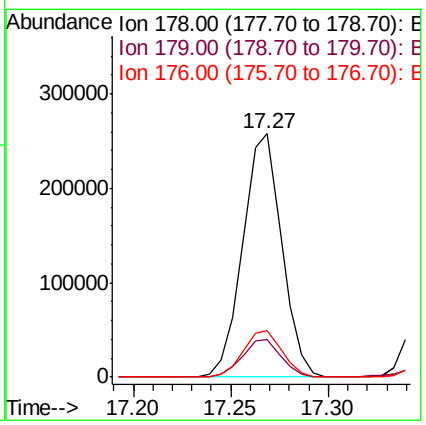


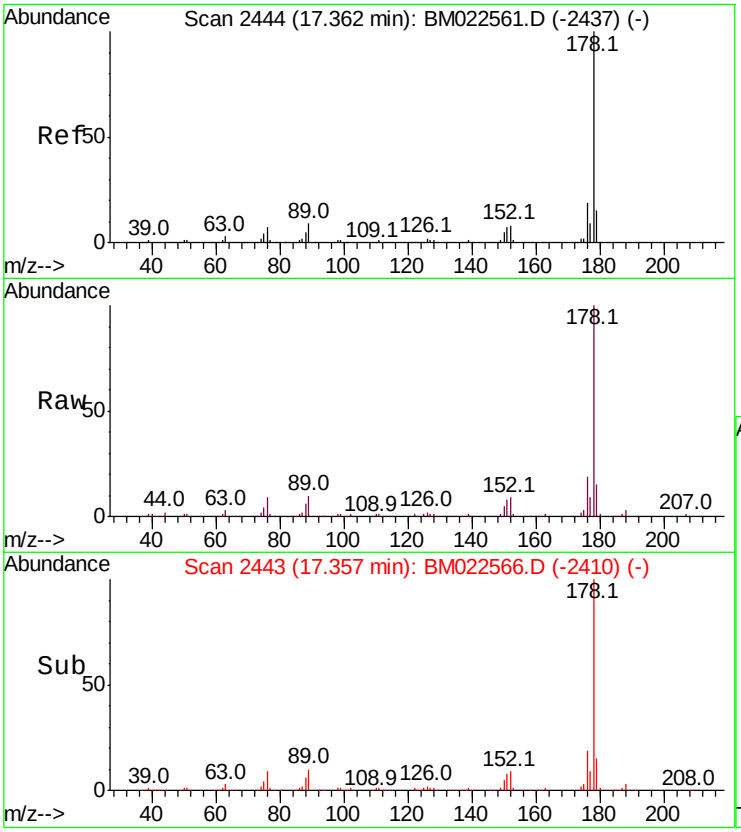


#70
Phenanthrene
Concen: 3.872 ng/ul
RT: 17.27 min Scan# 2428
Delta R.T. 0.00 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Tgt Ion:178 Resp: 355115

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.0	18.0
176	19.3	15.4	23.0



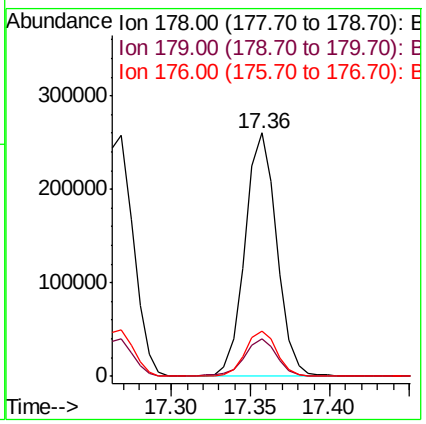


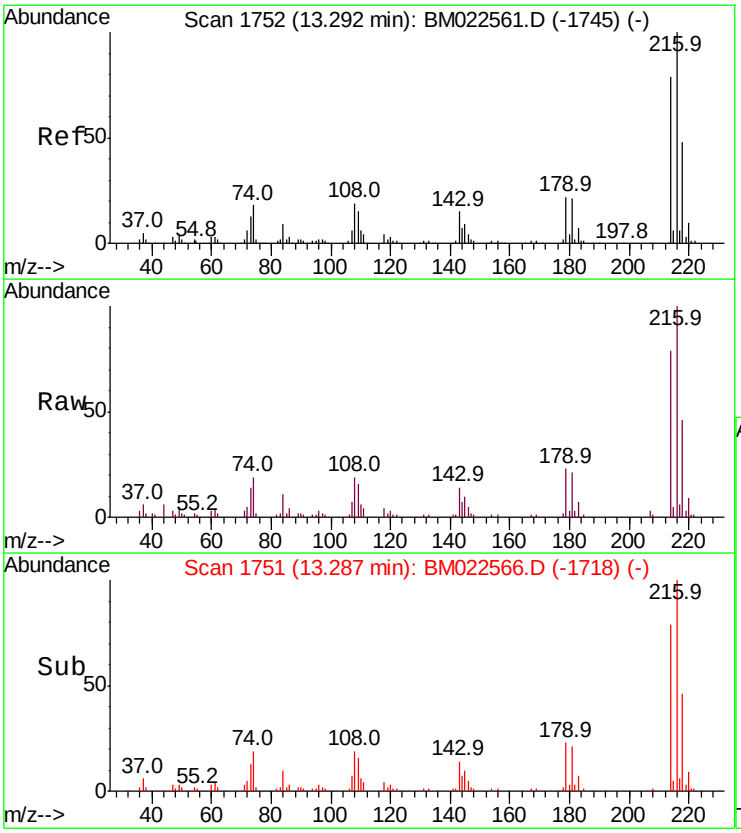
#72
Anthracene
Concen: 3.817 ng/ul
RT: 17.36 min Scan# 2443
Delta R.T. -0.01 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-04

Tgt Ion:178 Resp: 359576

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.3	18.5
176	18.7	14.7	22.1

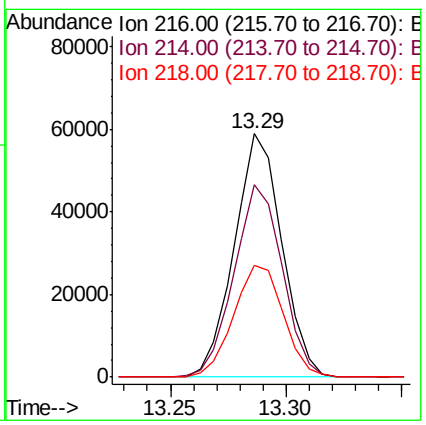


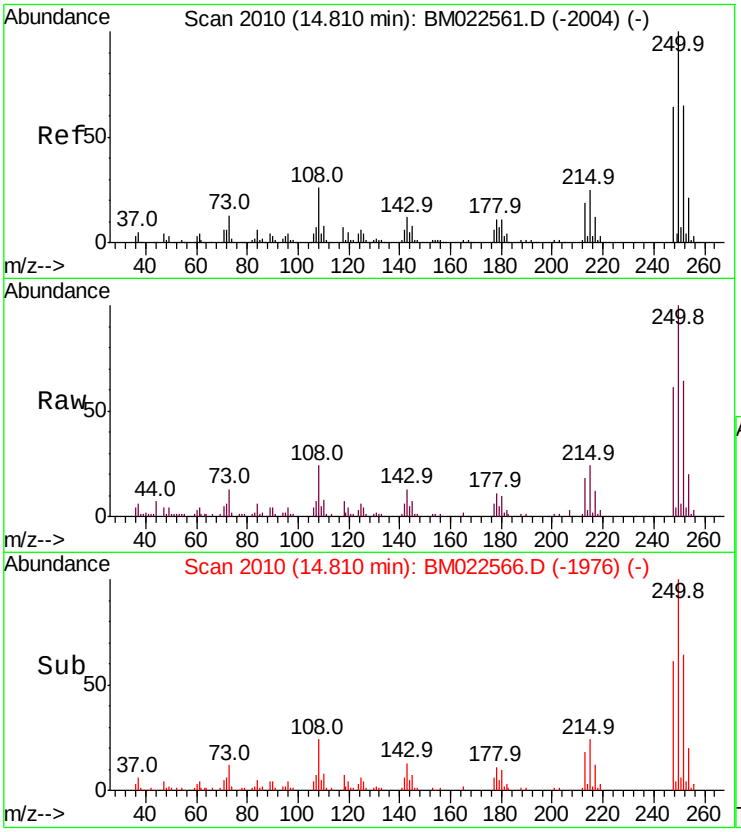


#73
1,2,3,4-Tetrachlorobenzene
Concen: 3.631 ng/uL
RT: 13.29 min Scan# 1751
Delta R.T. -0.01 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Tgt Ion:216 Resp: 84660

Ion	Ratio	Lower	Upper
216	100		
214	79.3	62.5	93.7
218	45.9	38.2	57.4



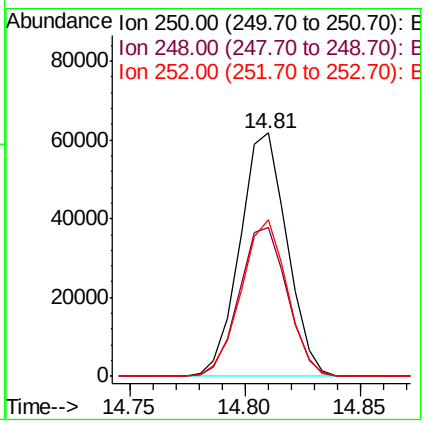


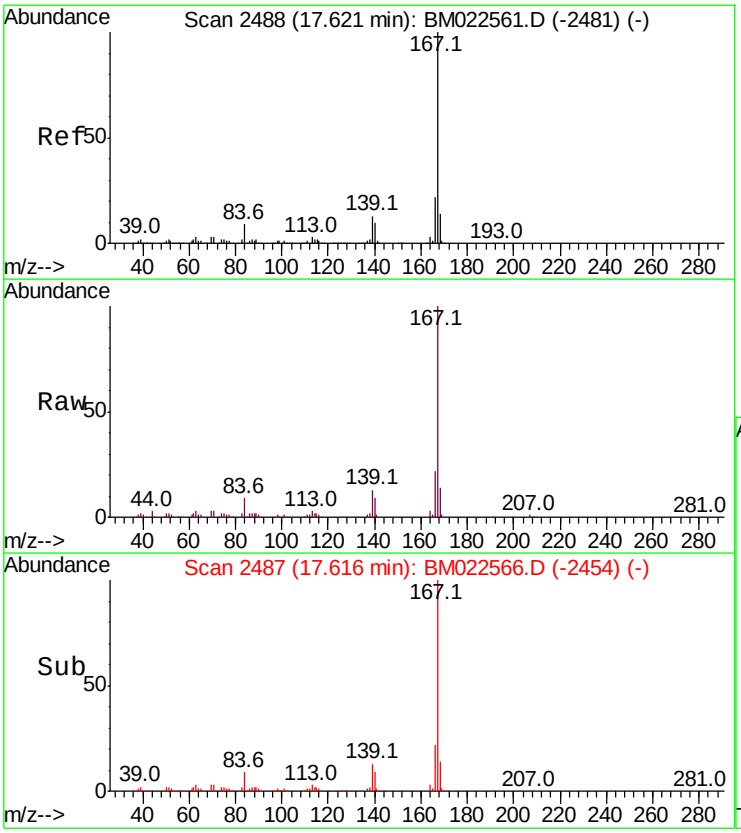
#74
Pentachlorobenzene
Concen: 3.746 ng/uL
RT: 14.81 min Scan# 2010
Delta R.T. 0.00 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-04

Tgt Ion:250 Resp: 88047

Ion	Ratio	Lower	Upper
250	100		
248	61.2	51.3	76.9
252	64.1	51.1	76.7

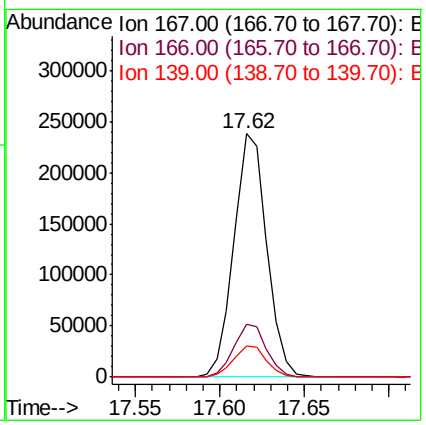


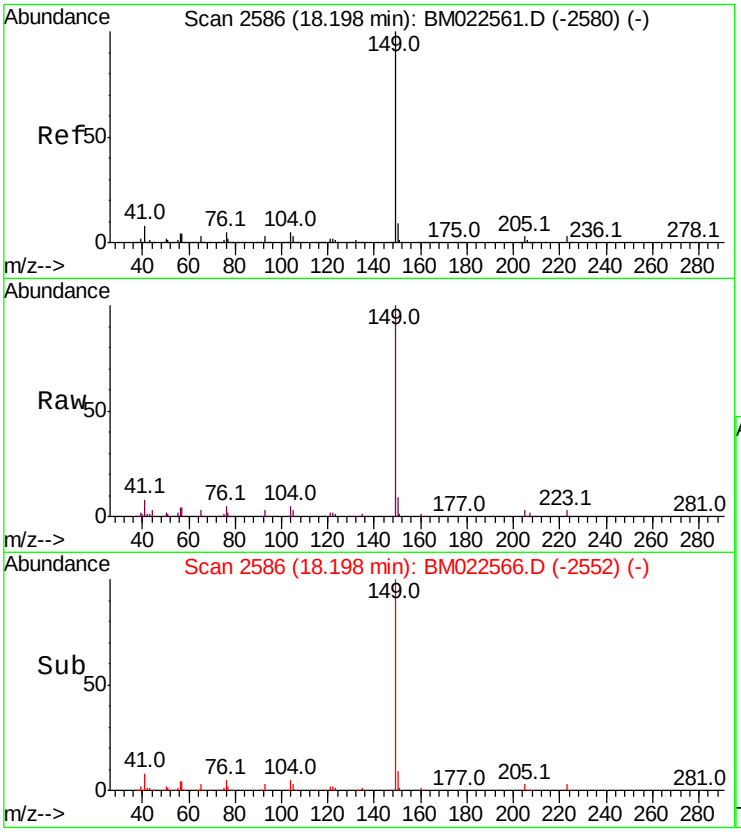


#75
Carbazole
Concen: 3.818 ng/ul
RT: 17.62 min Scan# 2487
Delta R.T. -0.01 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Tgt Ion:167 Resp: 323293

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.4	26.0
139	13.0	10.6	15.8



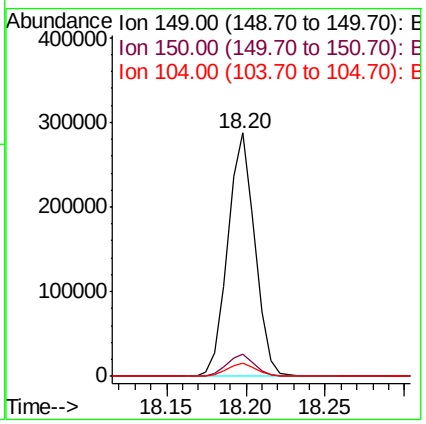


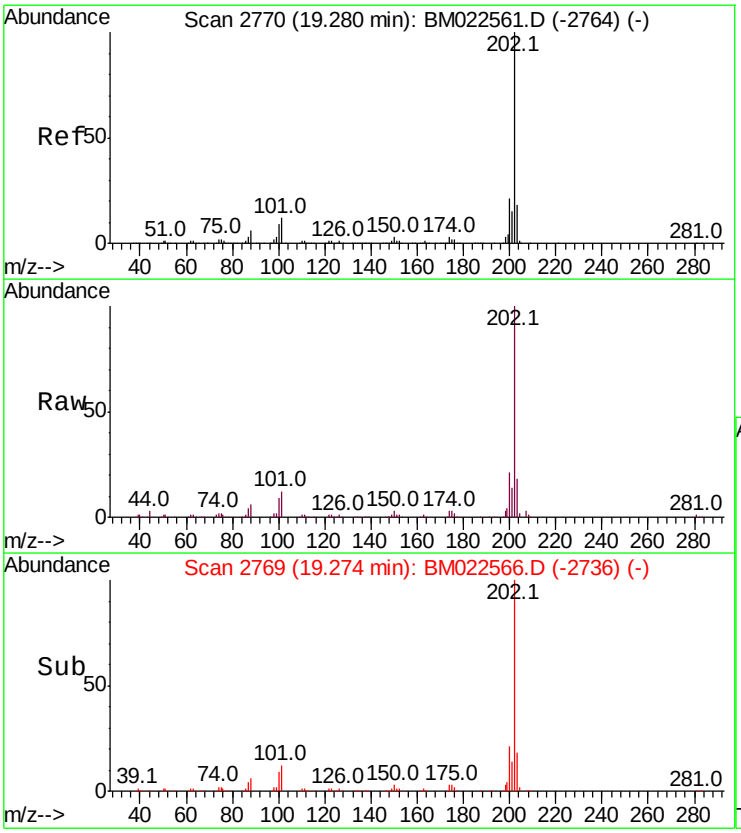
#76
Di-n-butylphthalate
Concen: 3.172 ng/ul
RT: 18.20 min Scan# 2586
Delta R.T. 0.00 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-04

Tgt Ion:149 Resp: 340071

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.3	10.9
104	5.3	3.9	5.9

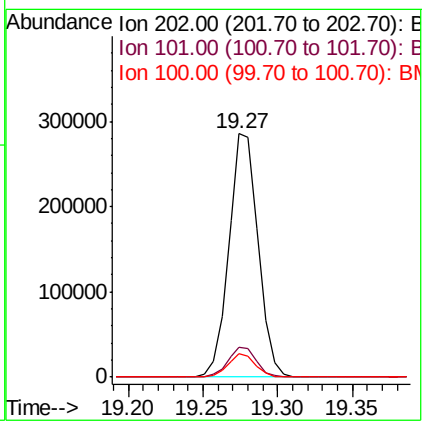


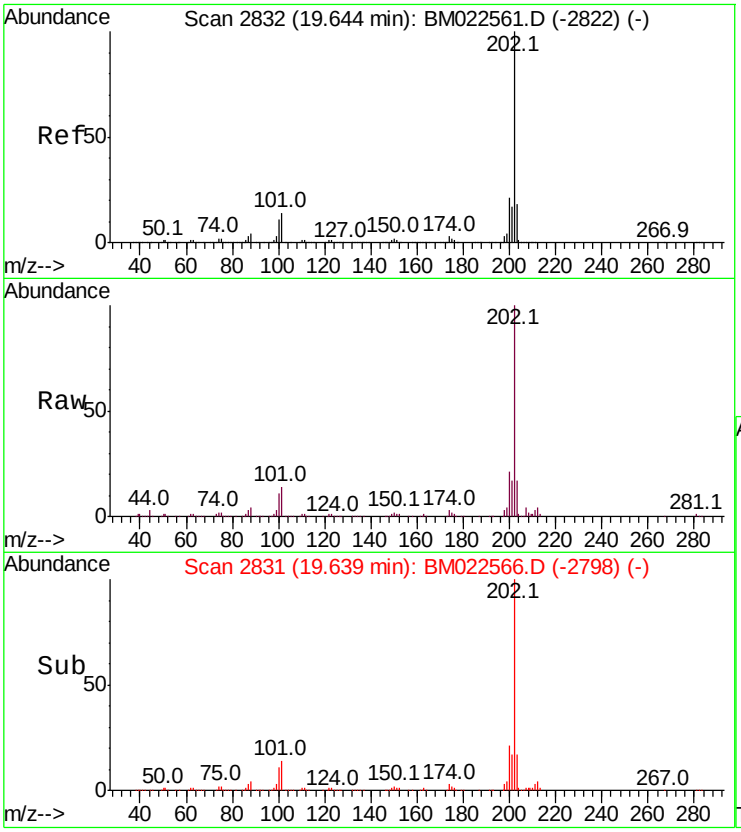


#77
Fluoranthene
Concen: 3.765 ng/ul
RT: 19.27 min Scan# 2769
Delta R.T. -0.01 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Tgt Ion:202 Resp: 391824

Ion	Ratio	Lower	Upper
202	100		
101	12.4	8.8	13.2
100	9.4	6.3	9.5



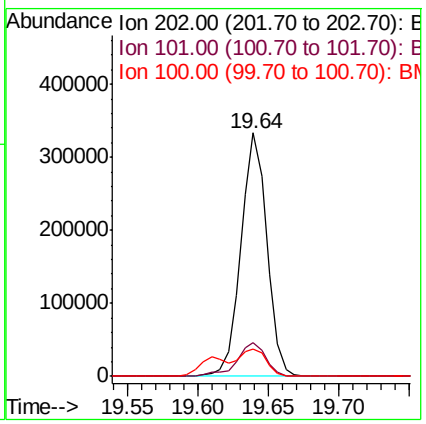


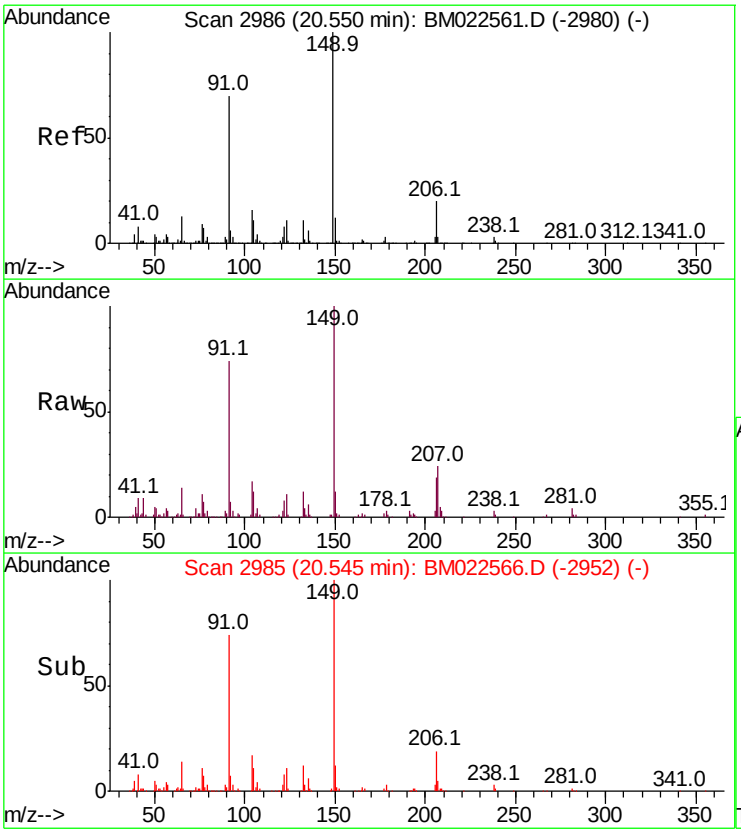
#80
Pyrene
Concen: 3.846 ng/ul
RT: 19.64 min Scan# 2831
Delta R.T. -0.01 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-04

Tgt Ion:202 Resp: 428599

Ion	Ratio	Lower	Upper
202	100		
101	14.0	10.6	16.0
100	11.3	8.6	13.0

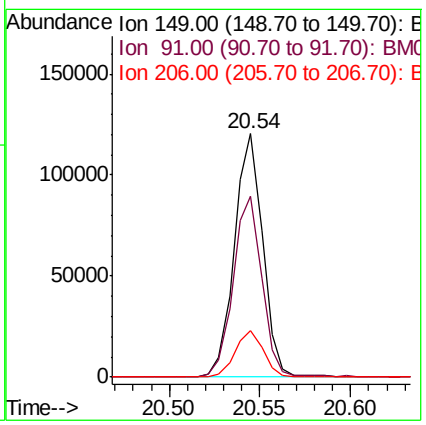


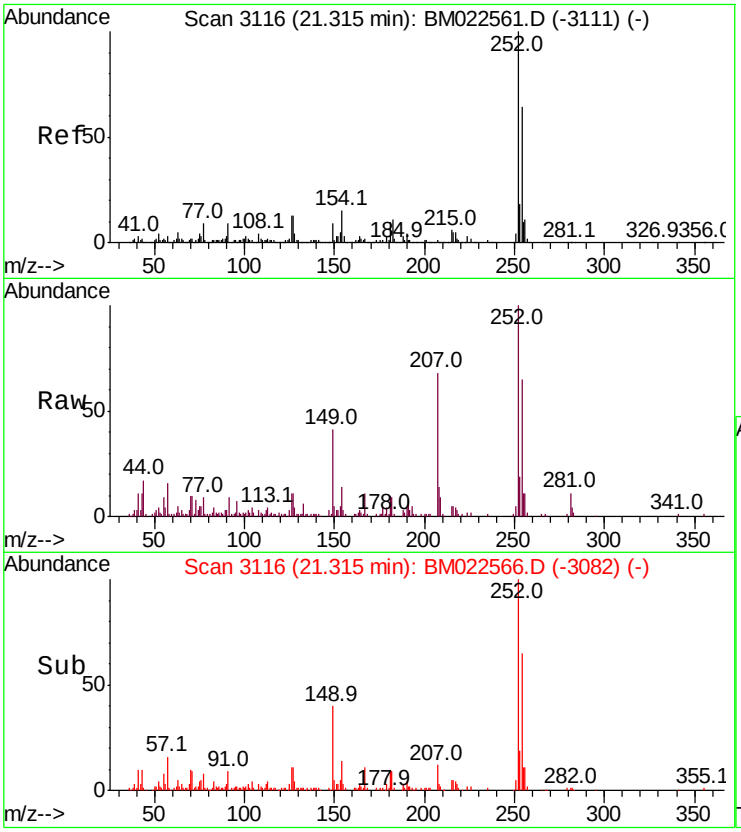


#81
Butylbenzylphthalate
Concen: 2.777 ng/ul
RT: 20.54 min Scan# 2985
Delta R.T. -0.01 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Tgt Ion:149 Resp: 130473

Ion	Ratio	Lower	Upper
149	100		
91	74.1	55.4	83.0
206	19.2	17.0	25.4



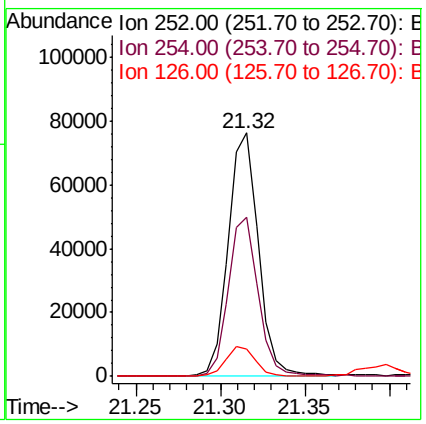


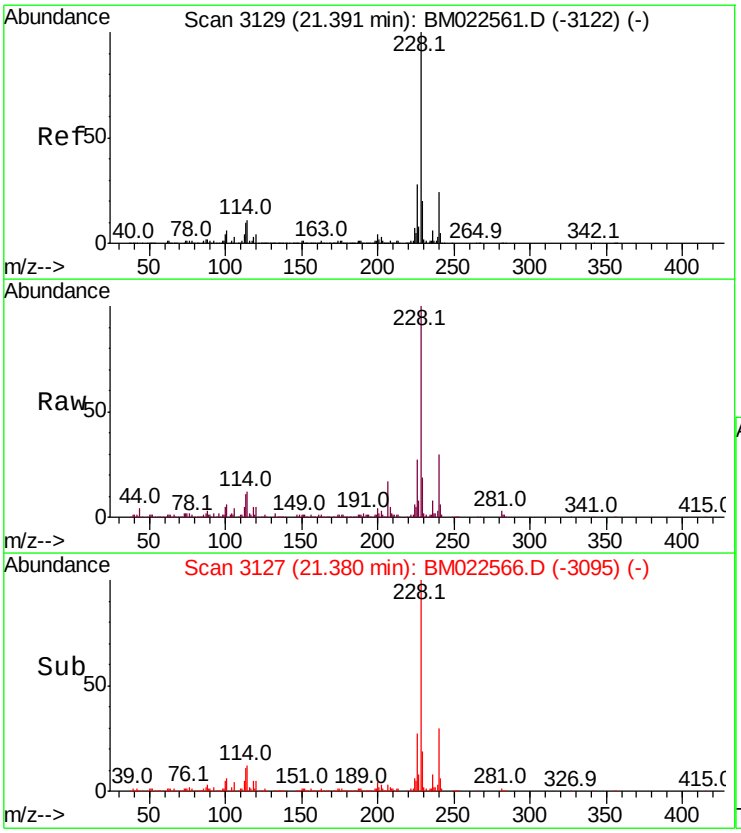
#82
3,3'-Dichlorobenzidine
Concen: 2.425 ng/ul
RT: 21.32 min Scan# 3116
Delta R.T. 0.00 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-04

Tgt Ion:252 Resp: 94969

Ion	Ratio	Lower	Upper
252	100		
254	65.3	51.2	76.8
126	11.1	8.6	13.0

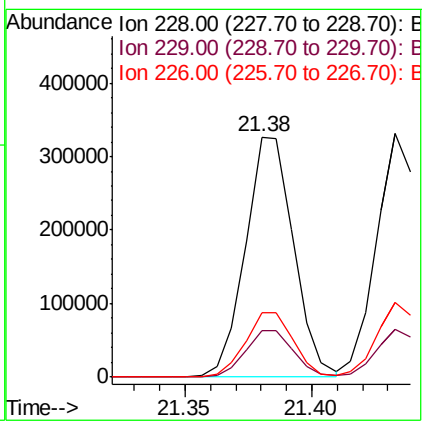


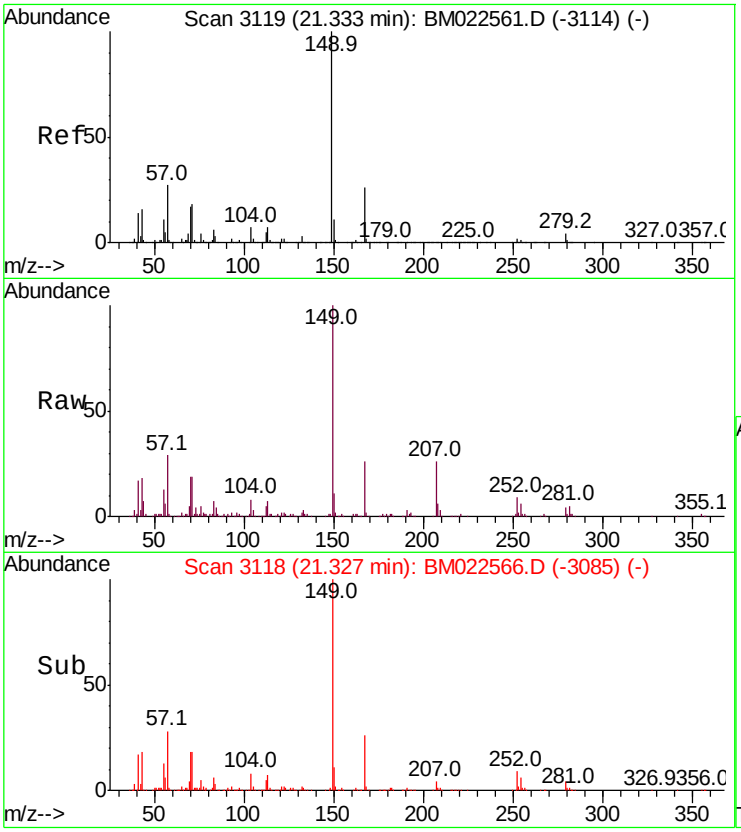


#83
Benzo(a)anthracene
Concen: 3.779 ng/ul
RT: 21.38 min Scan# 3127
Delta R.T. -0.01 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Tgt Ion:228 Resp: 431725

Ion	Ratio	Lower	Upper
228	100		
229	19.4	15.7	23.5
226	26.9	22.2	33.2



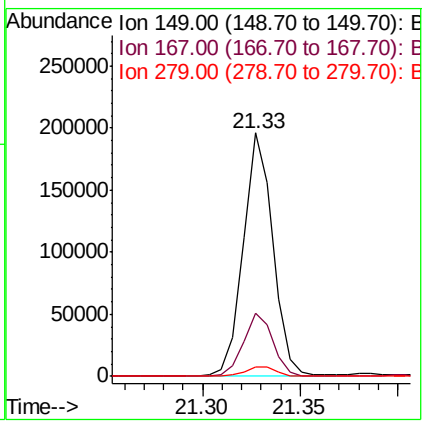


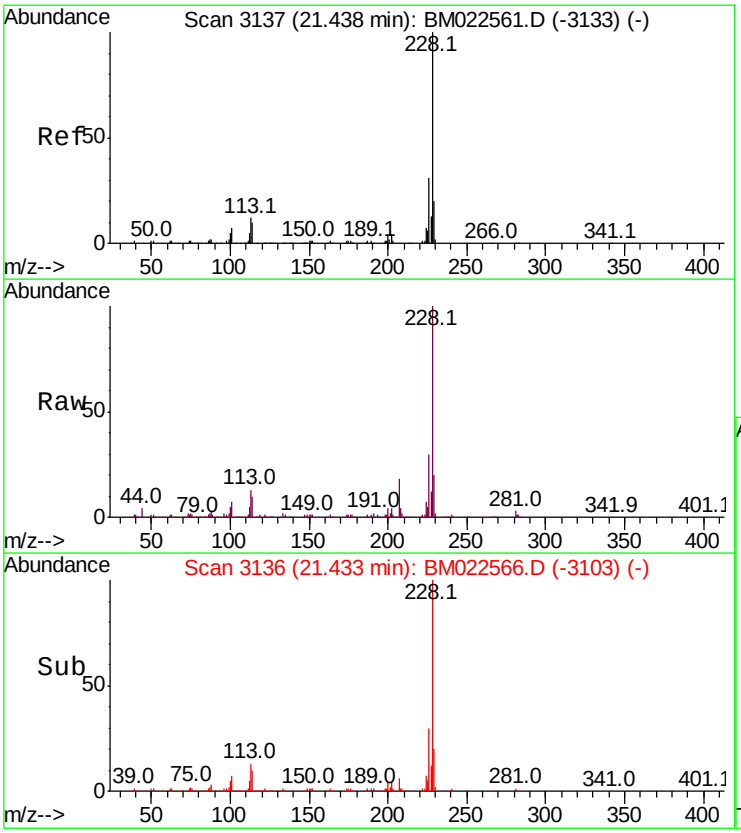
#84
Bis(2-ethylhexyl)phthalate
Concen: 2.878 ng/ul
RT: 21.33 min Scan# 3118
Delta R.T. -0.01 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-04

Tgt Ion:149 Resp: 205225

Ion	Ratio	Lower	Upper
149	100		
167	25.8	21.7	32.5
279	3.6	3.5	5.3

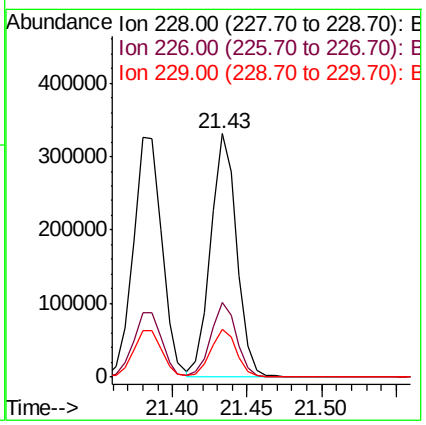


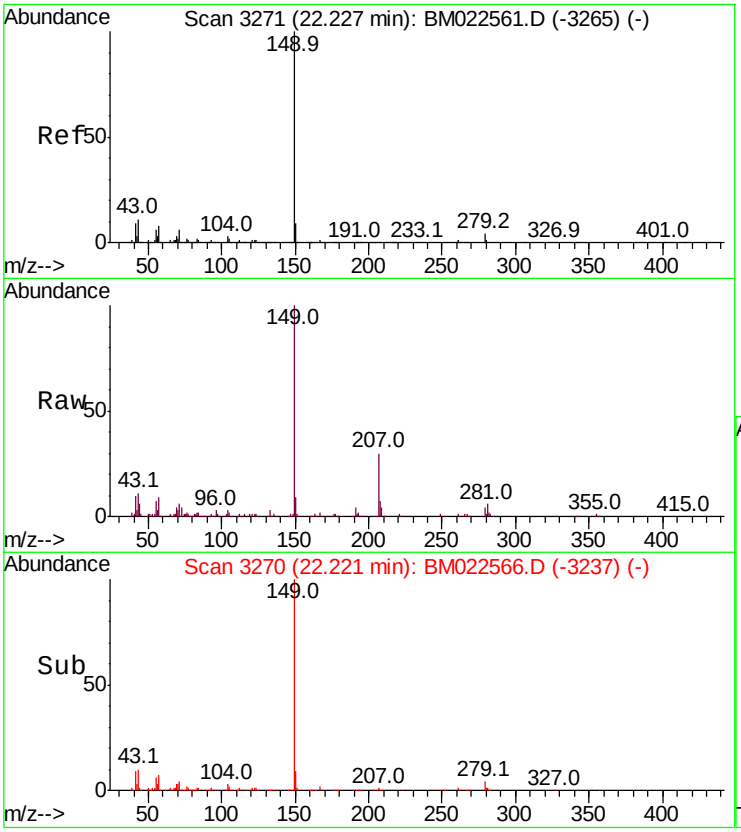


#85
Chrysene
Concen: 3.844 ng/ul
RT: 21.43 min Scan# 3136
Delta R.T. -0.01 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Tgt Ion:228 Resp: 404083

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.2	36.4
229	19.7	15.8	23.6

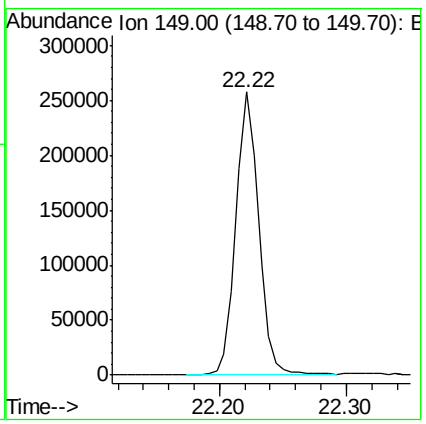


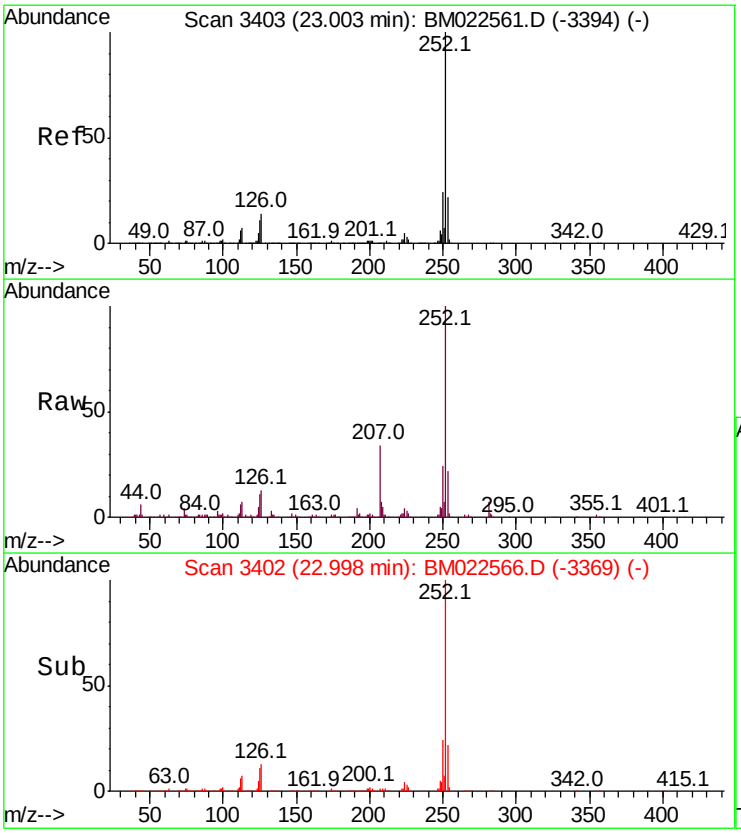


#87
Di-n-octyl phthalate
Concen: 2.468 ng/ul
RT: 22.22 min Scan# 3270
Delta R.T. -0.01 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-04

Tgt Ion:149 Resp: 315547

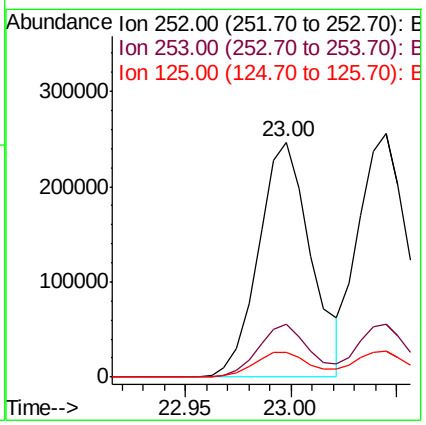


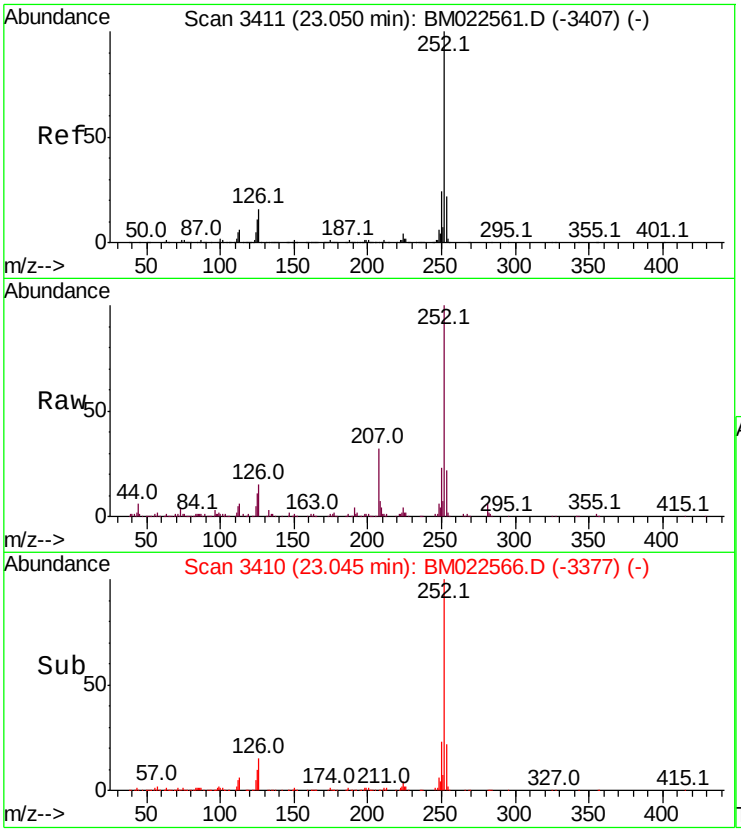


#88
Benzo(b)fluoranthene
Concen: 3.624 ng/ul
RT: 23.00 min Scan# 3402
Delta R.T. -0.01 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Tgt Ion:252 Resp: 425700

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	10.8	8.0	12.0



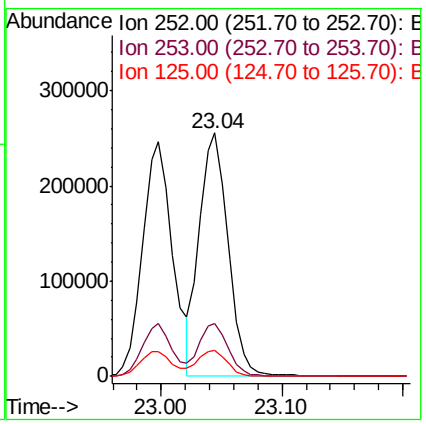


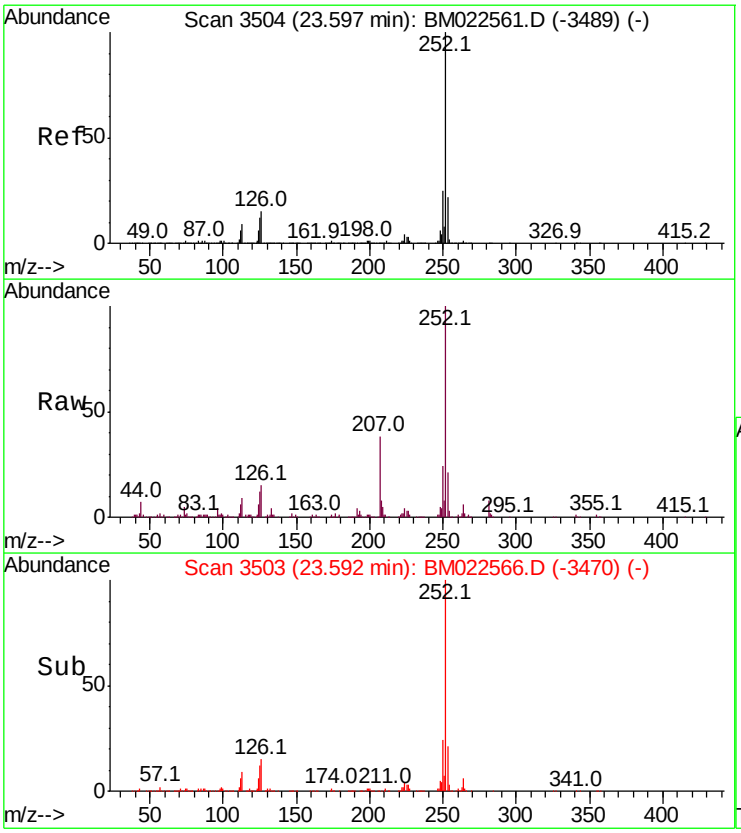
#89
Benzo(k)fluoranthene
Concen: 3.665 ng/ul
RT: 23.04 min Scan# 3410
Delta R.T. -0.01 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-04

Tgt Ion:252 Resp: 418412

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.2
125	10.6	8.2	12.2

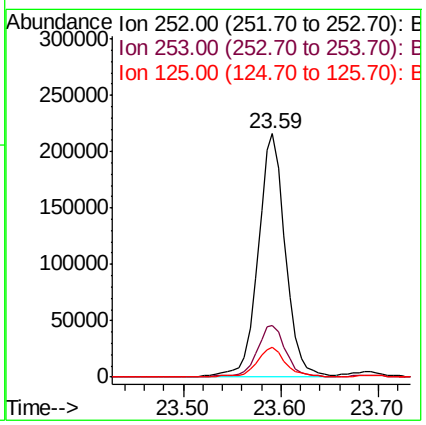


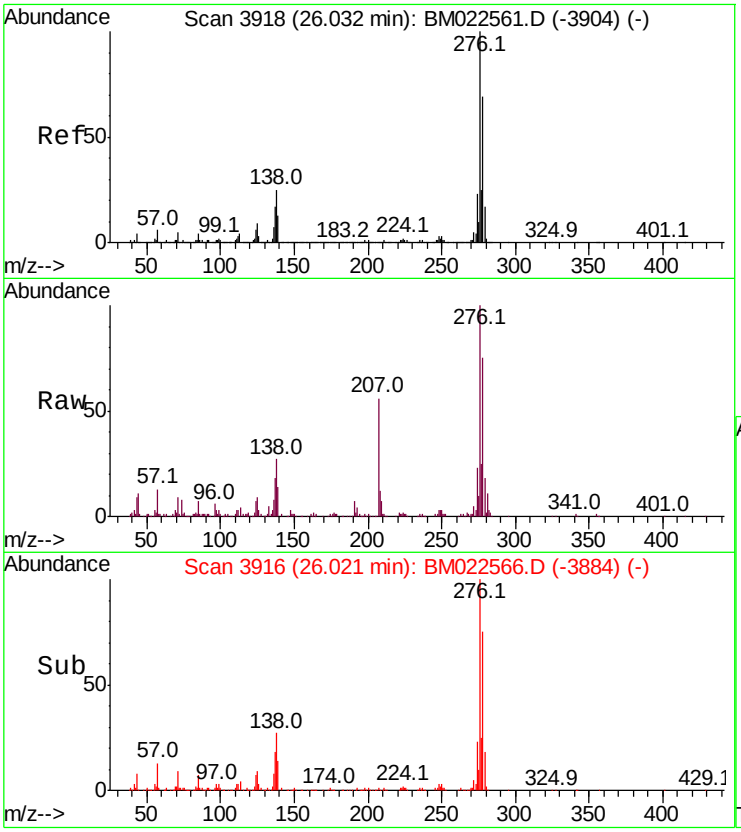


#91
Benzo(a)pyrene
Concen: 3.793 ng/ul
RT: 23.59 min Scan# 3503
Delta R.T. -0.01 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Tgt Ion:252 Resp: 425129

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.5	26.3
125	12.3	8.9	13.3



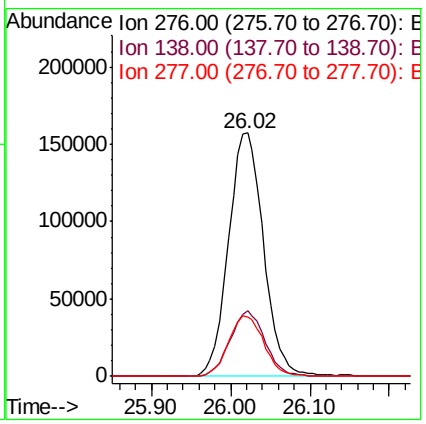


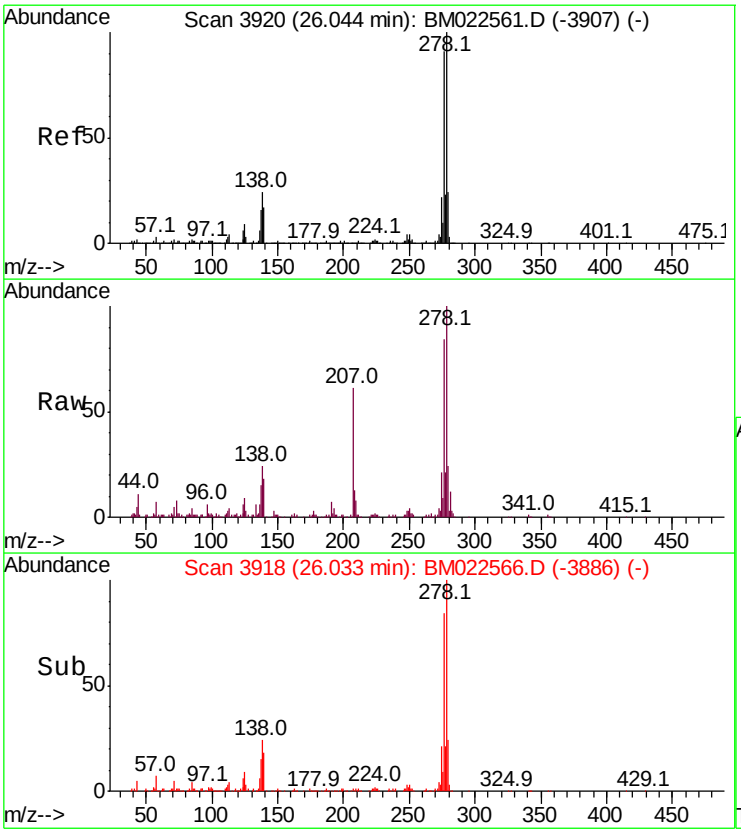
#92
Indeno(1,2,3-cd)pyrene
Concen: 3.722 ng/ul
RT: 26.02 min Scan# 3916
Delta R.T. -0.01 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-04

Tgt Ion:276 Resp: 482001

Ion	Ratio	Lower	Upper
276	100		
138	26.8	19.2	28.8
277	24.6	19.8	29.8

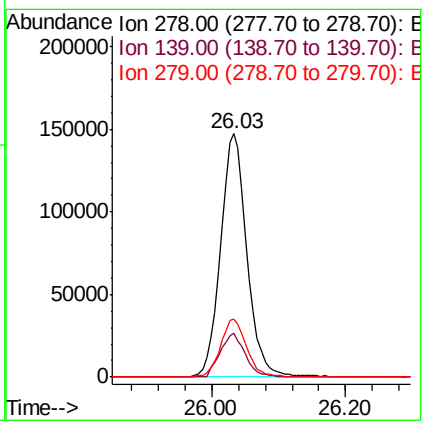


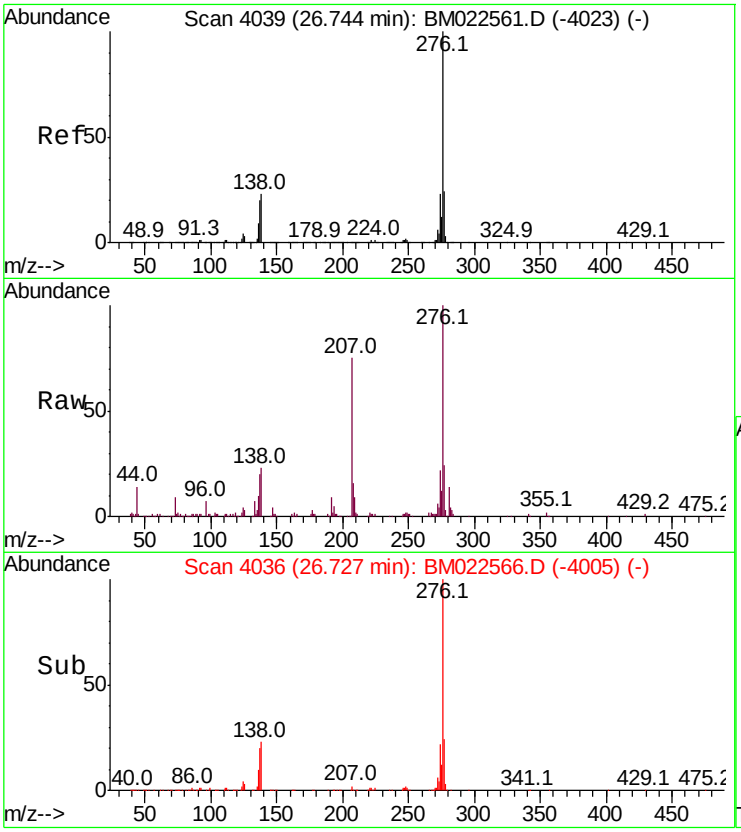


#93
Dibenzo(a,h)anthracene
Concen: 3.794 ng/ul
RT: 26.03 min Scan# 3918
Delta R.T. -0.01 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Tgt Ion:278 Resp: 408870

Ion	Ratio	Lower	Upper
278	100		
139	17.9	13.3	19.9
279	23.6	19.2	28.8



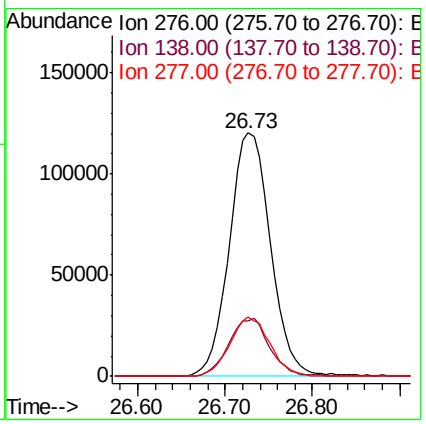


#94
Benzo(g,h,i)perylene
Concen: 3.625 ng/ul
RT: 26.73 min Scan# 4036
Delta R.T. -0.02 min
Lab File: BM022566.D
Acq: 06 Sep 2019 23:39

Instrument :
BNA_M
ClientSampleId :
MDL-S-04

Tgt Ion:276 Resp: 385595

Ion	Ratio	Lower	Upper
276	100		
138	22.9	17.0	25.6
277	24.2	18.8	28.2



Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090619\
Data File : BM022566.D
Acq On : 06 Sep 2019 23:39
Operator : HP/JU
Sample : MDL-S-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : MDL-S-04

Quant Time: Sep 08 01:34:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090519MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Sep 06 23:41:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	254510	20.00	ng/ul	0.00
18) Naphthalene-d8	10.65	136	1136928	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.49	164	723941	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.23	188	1497703	20.00	ng/ul	0.00
78) Chrysene-d12	21.40	240	1540051	20.00	ng/ul	0.00
86) Perylene-d12	23.69	264	1785716	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.30	96	10801	1.77	ng/uL	0.00
5) Phenol-d5	7.01	99	625053	26.62	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.19	67	389835	28.97	ng/ul	0.00
9) 2-Chlorophenol-d4	7.39	132	500877	27.01	ng/ul	0.00
13) 4-Methylphenol-d8	8.55	113	515491	27.01	ng/ul	0.00
19) Nitrobenzene-d5	9.01	128	243260	29.66	ng/ul	0.00
22) 2-Nitrophenol-d4	9.73	143	218411	28.88	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.27	165	482378	25.12	ng/ul	0.00
29) 4-Chloroaniline-d4	10.77	131	729219	28.74	ng/ul	0.00
44) Dimethylphthalate-d6	13.90	166	1648219	28.10	ng/ul	0.00
47) Acenaphthylene-d8	14.18	160	2065843	29.41	ng/ul	0.00
52) 4-Nitrophenol-d4	14.66	143	277179	27.66	ng/ul	0.00
58) Fluorene-d10	15.48	176	1391304	28.33	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.59	200	164271	24.13	ng/ul	0.00
71) Anthracene-d10	17.32	188	2173024	28.32	ng/ul	0.00
79) Pyrene-d10	19.61	212	2385536	27.92	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.54	264	2626896	27.37	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.34	88	9645	1.569	ng/uL	97
4) Benzaldehyde	6.99	77	40130	3.273	ng/ul	95
6) Phenol	7.04	94	91752	3.740	ng/ul	99
8) Bis(2-Chloroethyl)ether	7.28	93	74177	3.981	ng/ul	99
10) 2-Chlorophenol	7.42	128	71679	3.678	ng/ul	98
11) 2-Methylphenol	8.29	108	65582	3.425	ng/ul	99
12) 2,2'-oxybis(1-Chloropropan	8.39	45	112374	4.101	ng/ul	98
14) Acetophenone	8.68	105	119414	4.009	ng/ul	99
15) N-Nitroso-di-n-propylamine	8.66	70	60204	3.742	ng/ul	98
16) 4-Methylphenol	8.62	108	74937	3.625	ng/ul	98
17) Hexachloroethane	8.95	117	29641	3.839	ng/ul	97
20) Nitrobenzene	9.05	77	87023	4.241	ng/ul	100
21) Isophorone	9.58	82	163406	3.553	ng/ul	99
23) 2-Nitrophenol	9.76	139	34540	3.847	ng/ul	98
24) 2,4-Dimethylphenol	9.82	107	81732	3.631	ng/ul	97
25) Bis(2-Chloroethoxy)methane	10.06	93	100644	3.733	ng/ul	99
27) 2,4-Dichlorophenol	10.29	162	67539	3.562	ng/ul	93
28) Naphthalene	10.70	128	243710	3.866	ng/ul	99
30) 4-Chloroaniline	10.80	127	98490	3.780	ng/ul	99
31) Hexachlorobutadiene	11.00	225	41024	3.512	ng/ul	98
32) Caprolactam	11.58	113	19611	2.779	ng/ul	96
33) 4-Chloro-3-methylphenol	11.92	107	70196	3.355	ng/ul	97
34) 2-Methylnaphthalene	12.32	142	178712	3.763	ng/ul	99

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090619\
Data File : BM022566.D
Acq On : 06 Sep 2019 23:39
Operator : HP/JU
Sample : MDL-S-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : MDL-S-04

Quant Time: Sep 08 01:34:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090519MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Sep 06 23:41:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
35) 1-Methylnaphthalene	12.53	142	170413	3.756 ng/ul	97
37) 1,2,4,5-Tetrachlorobenzene	12.68	216	84691	3.626 ng/ul	99
38) Hexachlorocyclopentadiene	12.67	237	40947	2.844 ng/ul	99
39) 2,4,6-Trichlorophenol	12.92	196	45144	3.087 ng/ul	98
40) 2,4,5-Trichlorophenol	12.98	196	50327	3.174 ng/ul	99
41) 1,1'-Biphenyl	13.32	154	231983	3.848 ng/ul	99
42) 2-Chloronaphthalene	13.36	162	178094	3.902 ng/ul	98
43) 2-Nitroaniline	13.56	65	39014	3.661 ng/ul	96
45) Dimethylphthalate	13.94	163	228138	3.831 ng/ul	98
46) 2,6-Dinitrotoluene	14.05	165	31628	3.262 ng/ul#	88
48) Acenaphthylene	14.21	152	280883	3.855 ng/ul	99
49) 3-Nitroaniline	14.37	138	32047	3.048 ng/ul	95
50) Acenaphthene	14.55	153	193388	3.831 ng/ul	99
51) 2,4-Dinitrophenol	14.58	184	15871	3.569 ng/ul#	79
53) 4-Nitrophenol	14.67	109	31528	3.916 ng/ul	89
54) Dibenzofuran	14.89	168	273650	3.906 ng/ul	100
55) 2,4-Dinitrotoluene	14.83	165	50423	3.551 ng/ul	96
56) 2,3,4,6-Tetrachlorophenol	15.11	232	40114	3.045 ng/ul	95
57) Diethylphthalate	15.31	149	225167	3.655 ng/ul	100
59) Fluorene	15.53	166	223584	3.879 ng/ul	100
60) 4-Chlorophenyl-phenylether	15.53	204	108172	3.792 ng/ul	97
61) 4-Nitroaniline	15.53	138	36024	3.007 ng/ul	96
64) 4,6-Dinitro-2-methylphenol	15.60	198	25585	3.248 ng/ul#	78
65) N-Nitrosodiphenylamine	15.74	169	192615	3.769 ng/ul	99
66) 4-Bromophenyl-phenylether	16.42	248	65185	3.483 ng/ul	99
67) Hexachlorobenzene	16.54	284	75874	3.679 ng/ul	98
68) Atrazine	16.69	200	59055	3.006 ng/ul	99
69) Pentachlorophenol	16.87	266	29491	2.592 ng/ul	99
70) Phenanthrene	17.27	178	355115	3.872 ng/ul	99
72) Anthracene	17.36	178	359576	3.817 ng/ul	100
73) 1,2,3,4-Tetrachlorobenzene	13.29	216	84660	3.631 ng/uL	98
74) Pentachlorobenzene	14.81	250	88047	3.746 ng/uL	98
75) Carbazole	17.62	167	323293	3.818 ng/ul	100
76) Di-n-butylphthalate	18.20	149	340071	3.172 ng/ul	99
77) Fluoranthene	19.27	202	391824	3.765 ng/ul	96
80) Pyrene	19.64	202	428599	3.846 ng/ul	98
81) Butylbenzylphthalate	20.54	149	130473	2.777 ng/ul	94
82) 3,3'-Dichlorobenzidine	21.32	252	94969	2.425 ng/ul	98
83) Benzo(a)anthracene	21.38	228	431725	3.779 ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.33	149	205225	2.878 ng/ul	97
85) Chrysene	21.43	228	404083	3.844 ng/ul	100
87) Di-n-octyl phthalate	22.22	149	315547	2.468 ng/ul	100
88) Benzo(b)fluoranthene	23.00	252	425700	3.624 ng/ul	99
89) Benzo(k)fluoranthene	23.04	252	418412	3.665 ng/ul	100
91) Benzo(a)pyrene	23.59	252	425129	3.793 ng/ul	98
92) Indeno(1,2,3-cd)pyrene	26.02	276	482001	3.722 ng/ul	97
93) Dibenzo(a,h)anthracene	26.03	278	408870	3.794 ng/ul	98
94) Benzo(g,h,i)perylene	26.73	276	385595	3.625 ng/ul	98

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090619\
Data File : BM022566.D
Acq On : 06 Sep 2019 23:39
Operator : HP/JU
Sample : MDL-S-04
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-S-04

Quant Time: Sep 08 01:34:38 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090519MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Fri Sep 06 23:41:25 2019
Response via : Initial Calibration

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

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