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Data File : BM022565.D
Acq On : 06 Sep 2019 23:02
Operator : HP/JU
Sample : MDL-S-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 08 01:44:43 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

Instrument :
BNA_M
ClientSampleId :
MDL-S-03

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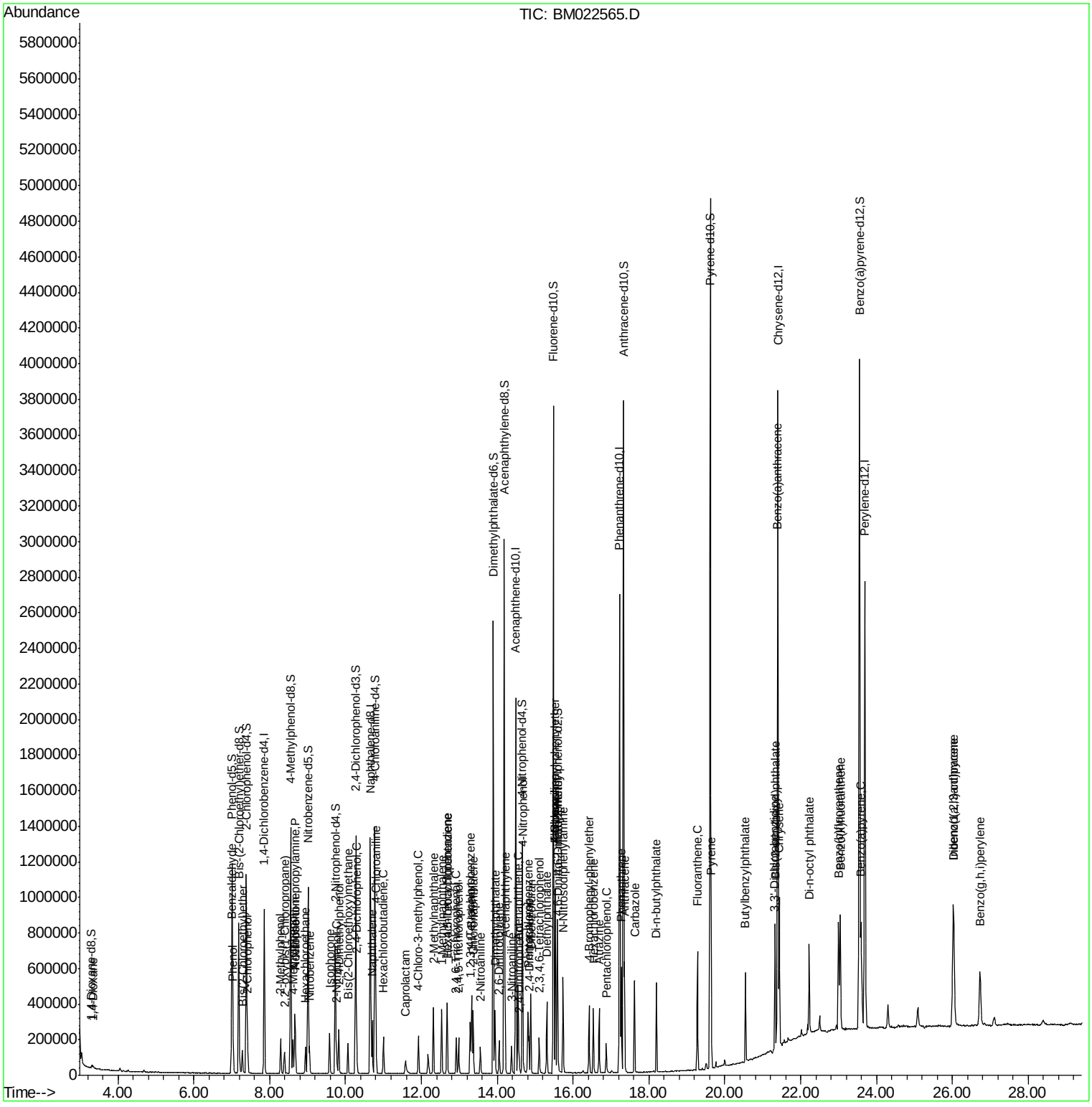
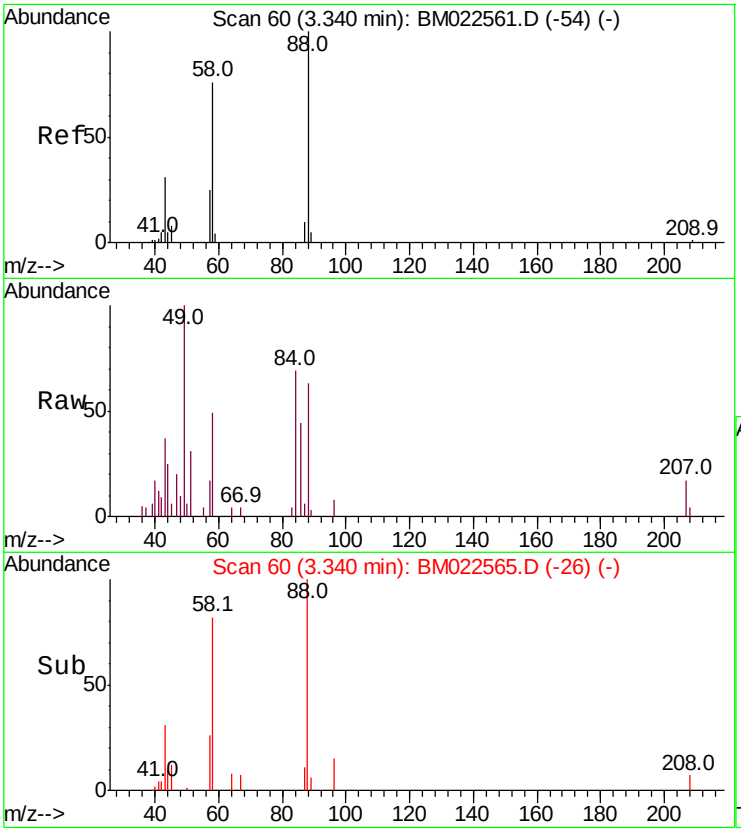
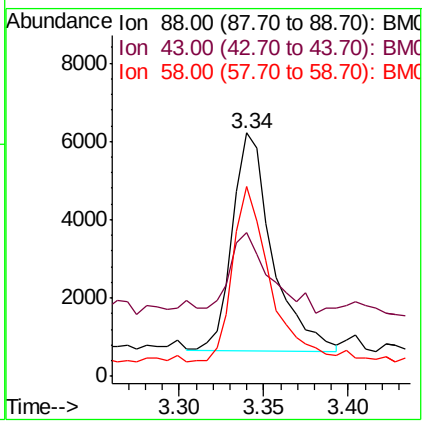




#2
1,4-Dioxane
Concen: 1.593 ng/uL
RT: 3.34 min Scan# 60
Delta R.T. 0.00 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion: 88 Resp: 9194

Ion	Ratio	Lower	Upper
88	100		
43	58.9	37.9	56.9#
58	78.0	59.4	89.0



Instrument :
BNA_M
ClientSampleId :
MDL-S-03

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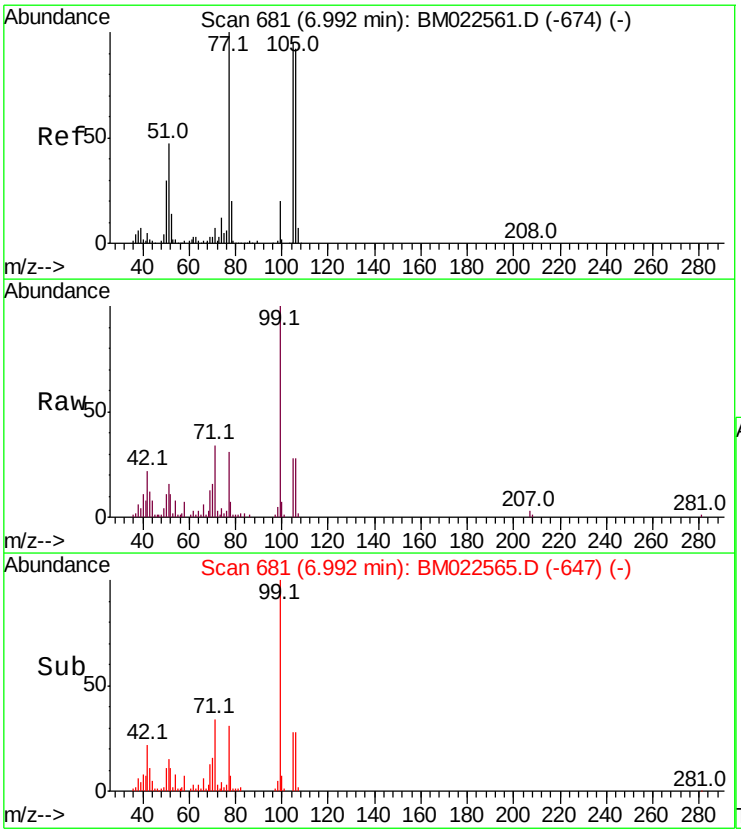
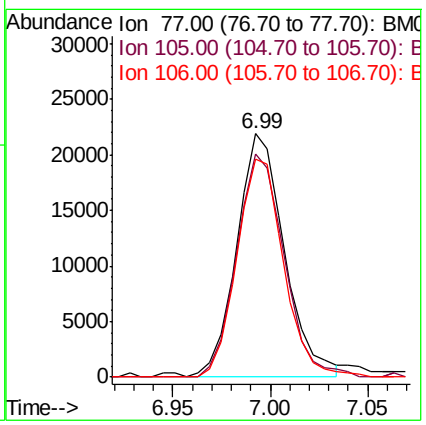
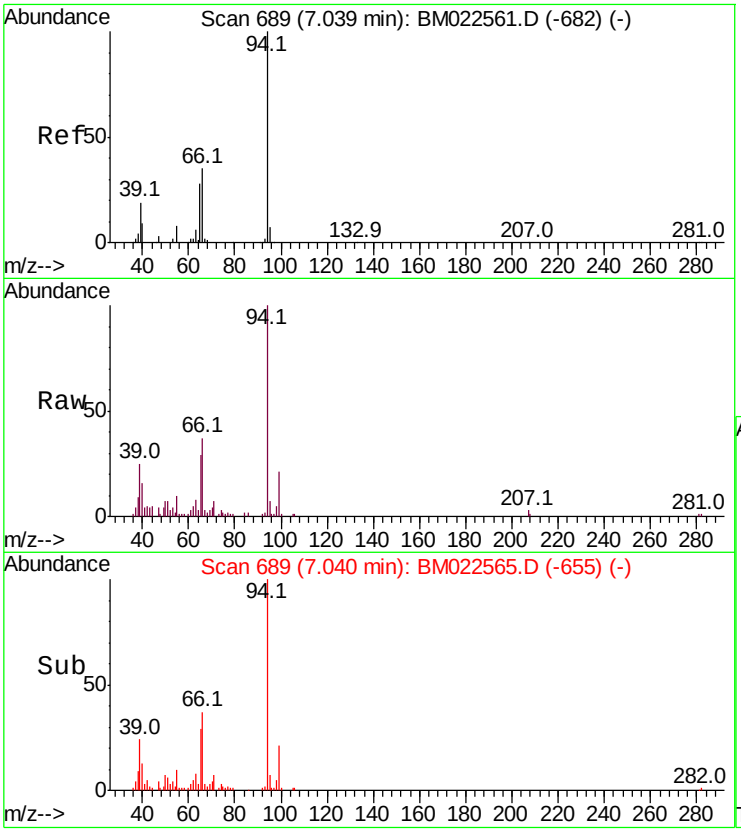


#4
Benzaldehyde
Concen: 3.232 ng/ul
RT: 6.99 min Scan# 681
Delta R.T. 0.00 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion: 77 Resp: 37213

Ion	Ratio	Lower	Upper
77	100		
105	91.8	79.0	118.6
106	89.4	75.1	112.7

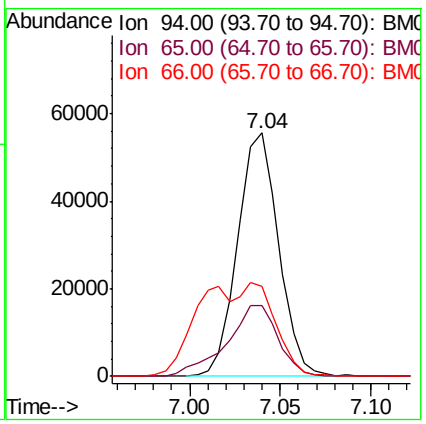




#6
Phenol
Concen: 3.803 ng/ul
RT: 7.04 min Scan# 689
Delta R.T. 0.00 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion: 94 Resp: 87629

Ion	Ratio	Lower	Upper
94	100		
65	28.9	22.8	34.2
66	37.1	29.1	43.7



Instrument :
BNA_M
ClientSampleId :
MDL-S-03

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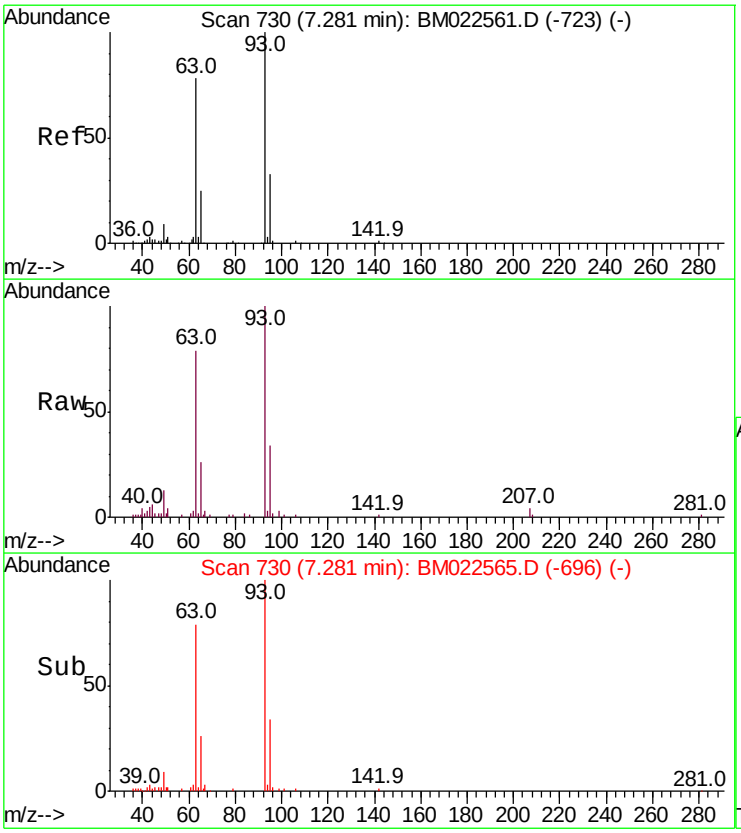
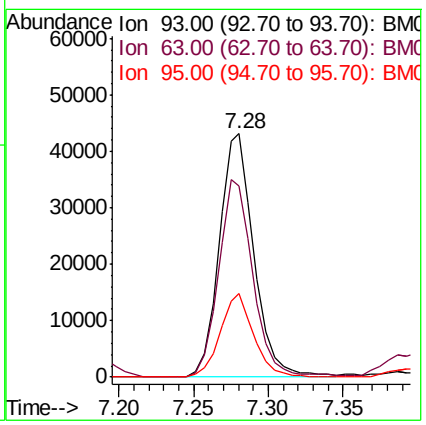
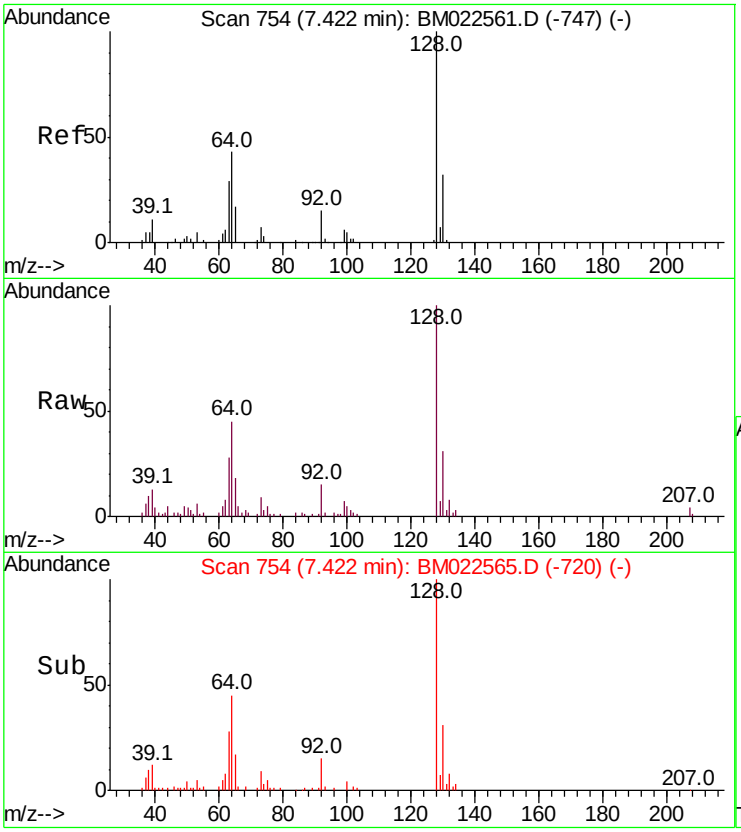


#8
Bis(2-Chloroethyl)ether
Concen: 4.006 ng/ul
RT: 7.28 min Scan# 730
Delta R.T. 0.00 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion: 93 Resp: 70094

Ion	Ratio	Lower	Upper
93	100		
63	78.6	62.2	93.2
95	34.5	26.6	39.8

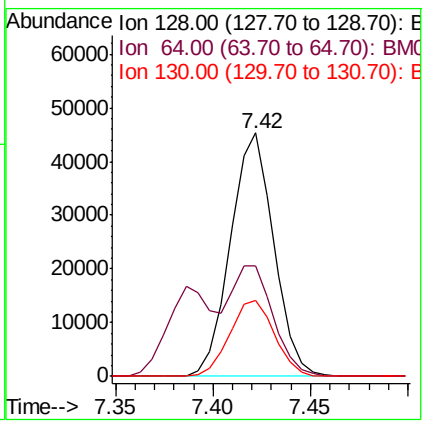




#10
2-Chlorophenol
Concen: 3.807 ng/ul
RT: 7.42 min Scan# 754
Delta R.T. 0.00 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:128 Resp: 69692

Ion	Ratio	Lower	Upper
128	100		
64	45.2	36.0	54.0
130	31.3	26.1	39.1



Instrument :
BNA_M
ClientSampleId :
MDL-S-03

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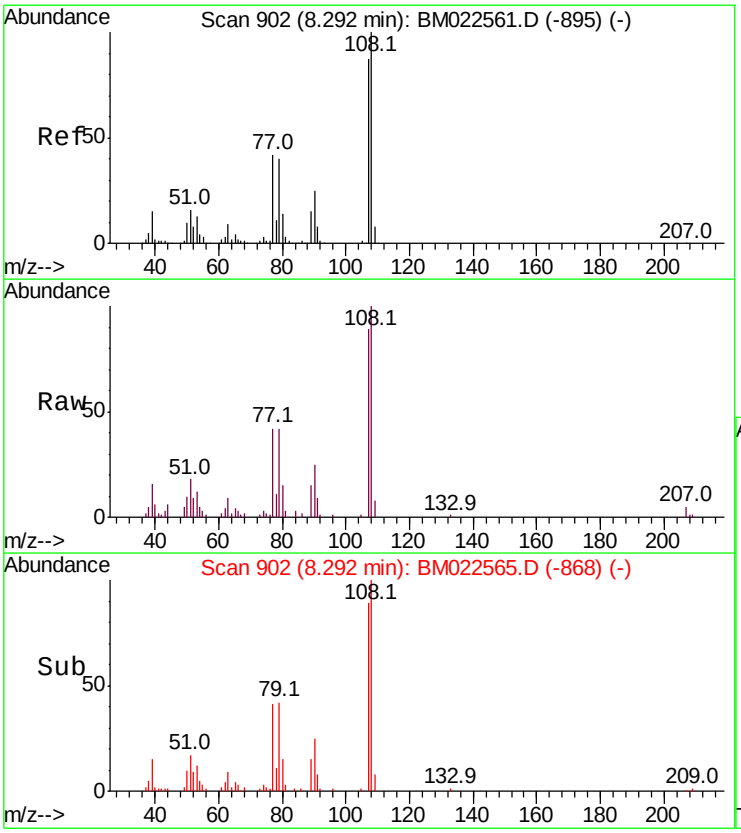
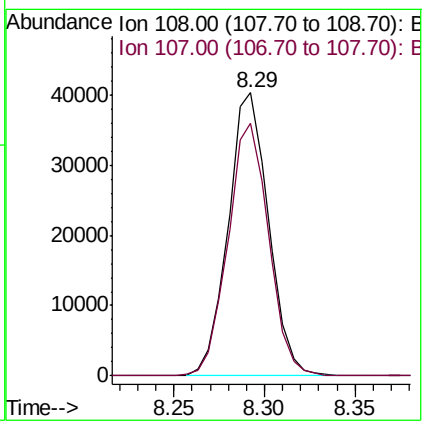
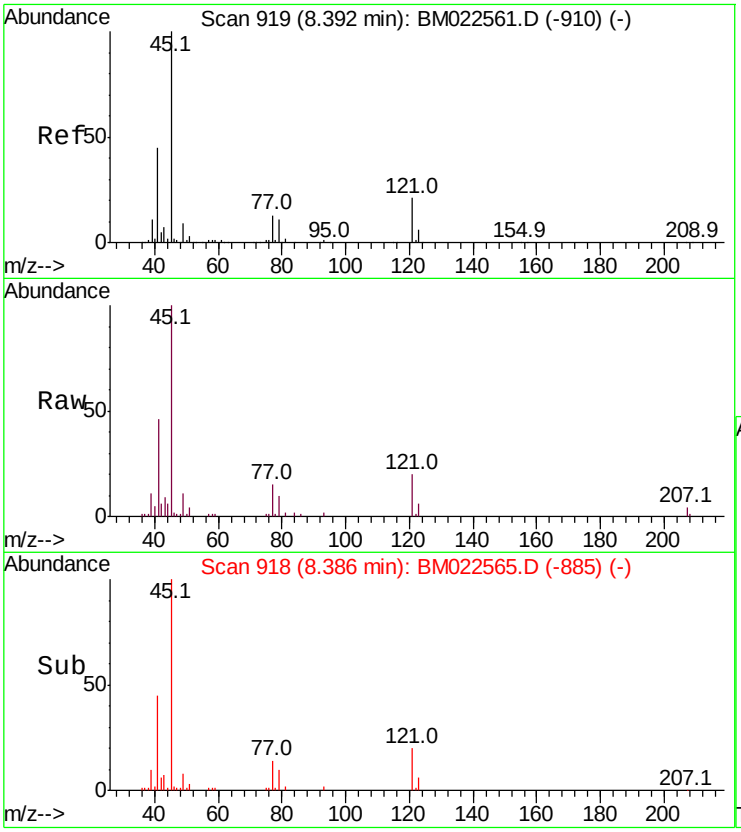


#11
2-Methylphenol
Concen: 3.471 ng/ul
RT: 8.29 min Scan# 902
Delta R.T. 0.00 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:108 Resp: 62405

Ion	Ratio	Lower	Upper
108	100		
107	89.3	70.7	106.1

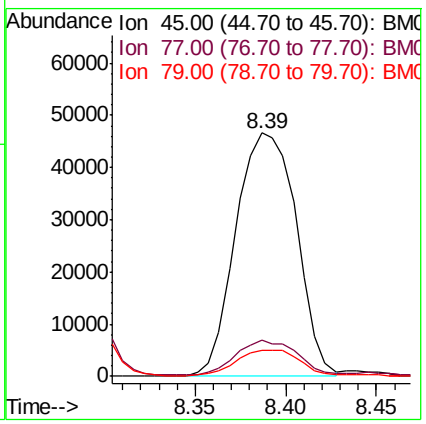




#12
2,2'-oxybis(1-Chloropropane)
Concen: 4.206 ng/ul
RT: 8.39 min Scan# 918
Delta R.T. -0.01 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion: 45 Resp: 108233

Ion	Ratio	Lower	Upper
45	100		
77	14.9	11.6	17.4
79	10.5	9.0	13.6



Instrument :
BNA_M
ClientSampleId :
MDL-S-03

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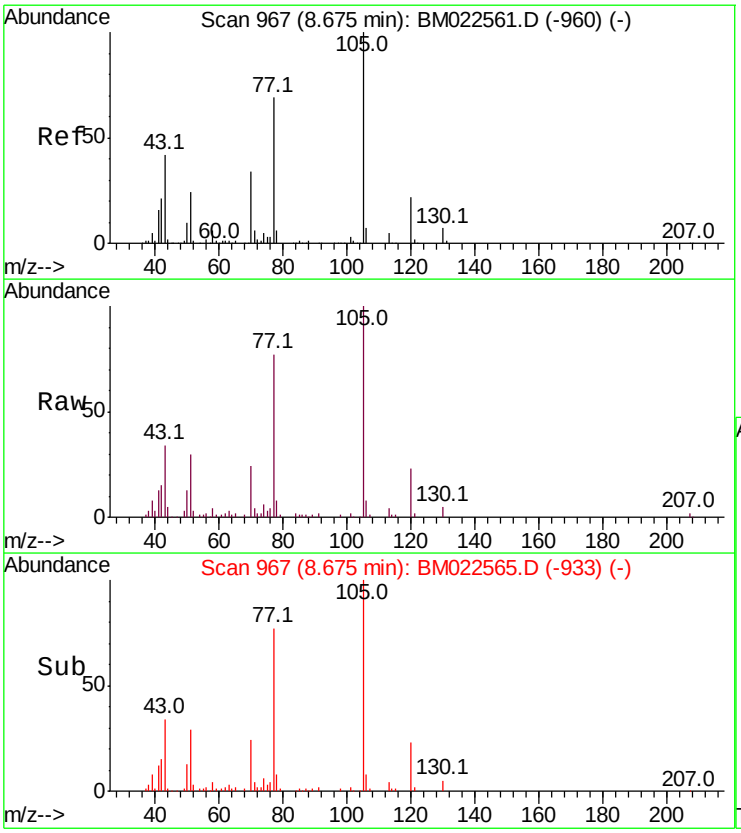
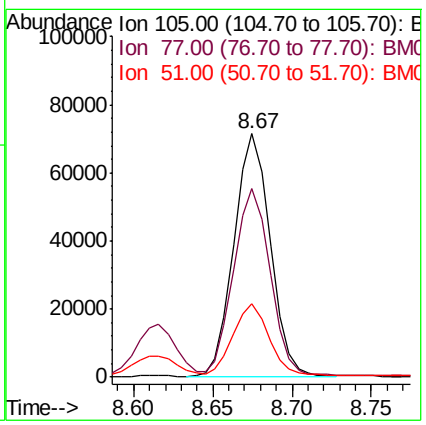
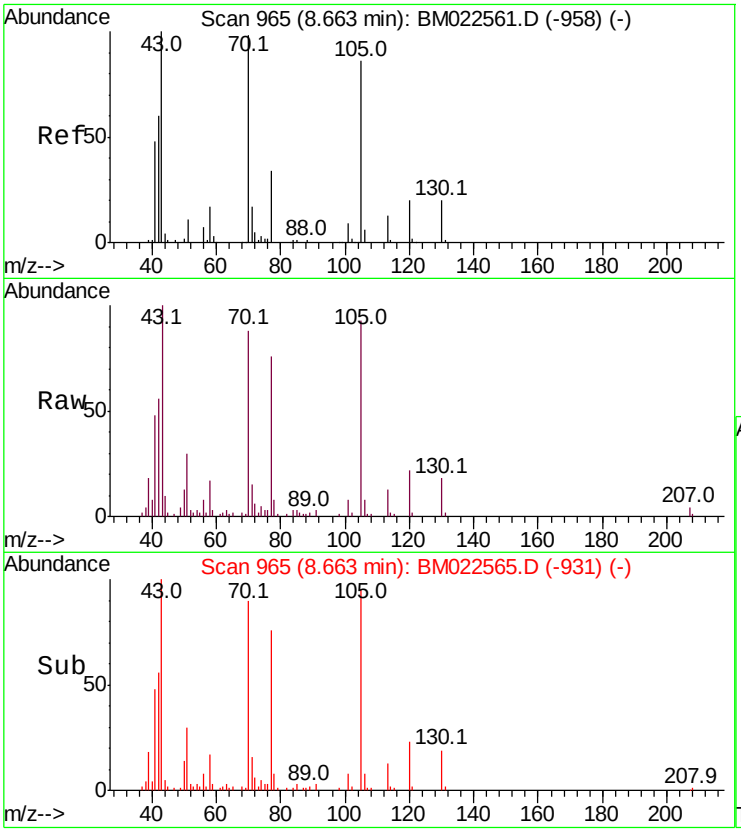


#14
Acetophenone
Concen: 4.098 ng/ul
RT: 8.67 min Scan# 967
Delta R.T. 0.00 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:105 Resp: 114626

Ion	Ratio	Lower	Upper
105	100		
77	77.5	62.1	93.1
51	30.0	21.8	32.6

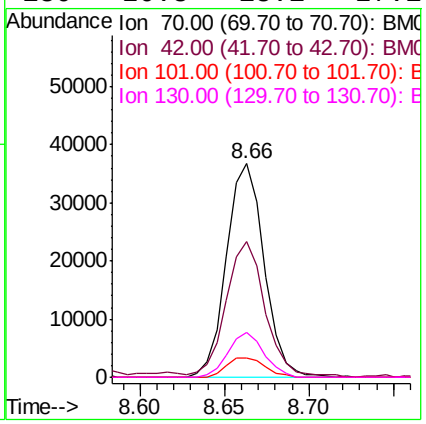




#15
N-Nitroso-di-n-propylamine
Concen: 3.778 ng/ul
RT: 8.66 min Scan# 965
Delta R.T. 0.00 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion: 70 Resp: 57085

Ion	Ratio	Lower	Upper
70	100		
42	63.5	48.3	72.5
101	9.1	8.2	12.2
130	20.8	18.1	27.1



Instrument :
BNA_M
ClientSampleId :
MDL-S-03

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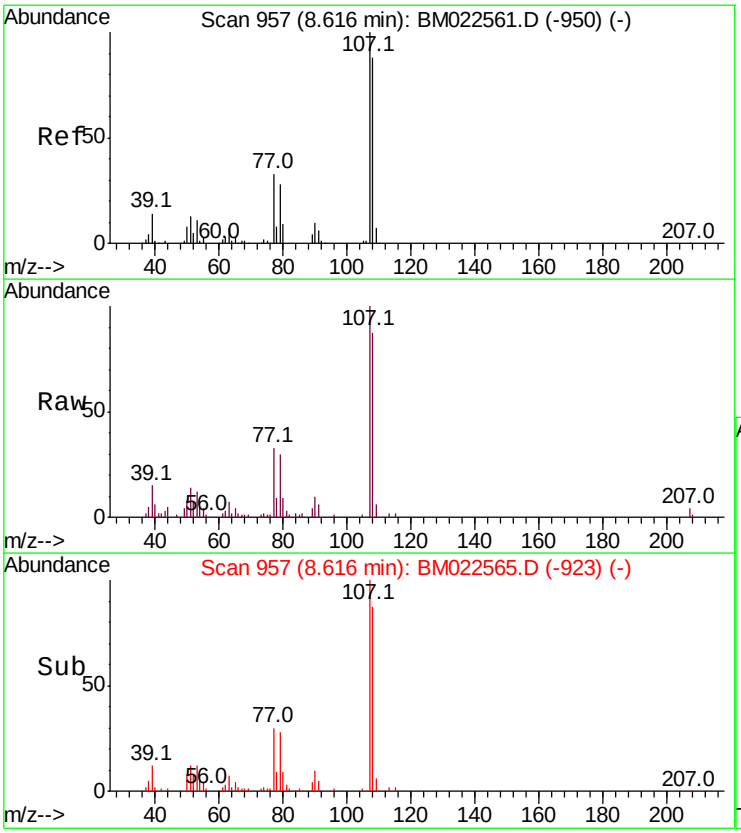
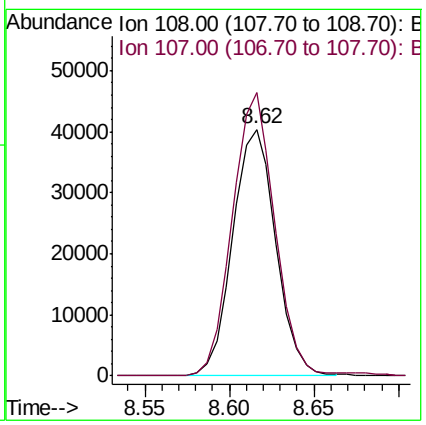
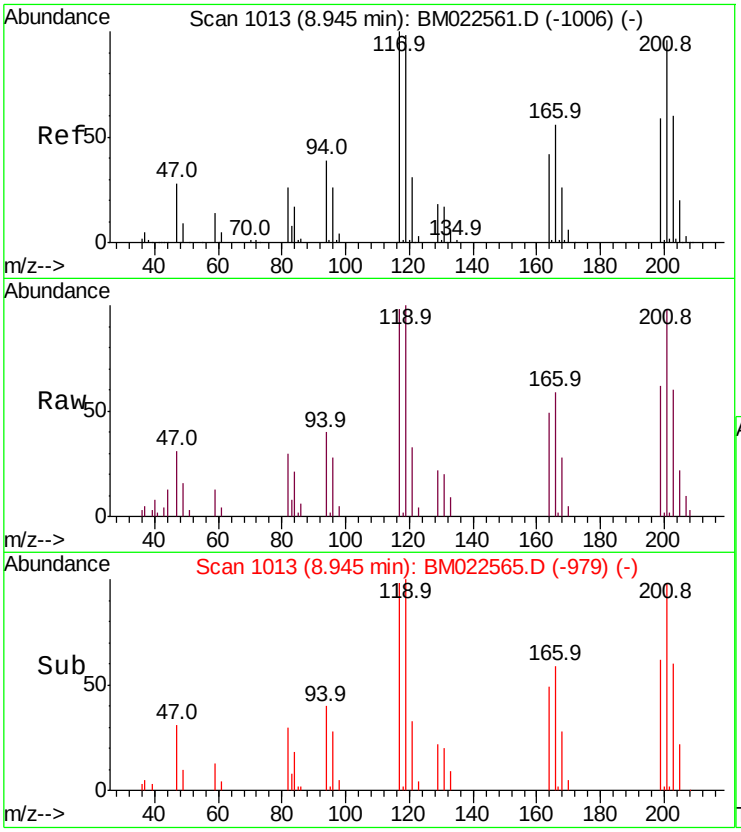


#16
4-Methylphenol
Concen: 3.693 ng/ul
RT: 8.62 min Scan# 957
Delta R.T. 0.00 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:108 Resp: 71697

Ion	Ratio	Lower	Upper
108	100		
107	114.9	87.2	130.8

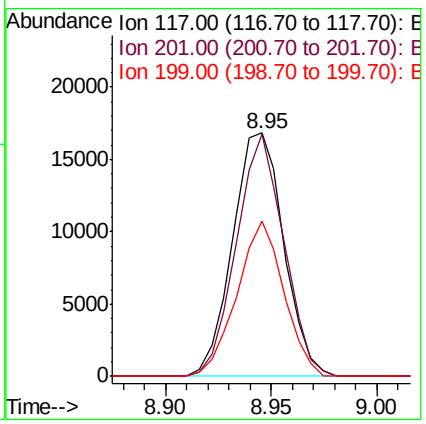




#17
Hexachloroethane
Concen: 3.893 ng/ul
RT: 8.95 min Scan# 1013
Delta R.T. 0.00 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:117 Resp: 28230

Ion	Ratio	Lower	Upper
117	100		
201	99.7	77.6	116.4
199	63.5	47.6	71.4



Instrument :
BNA_M
ClientSampleId :
MDL-S-03

Manual Integrations APPROVED
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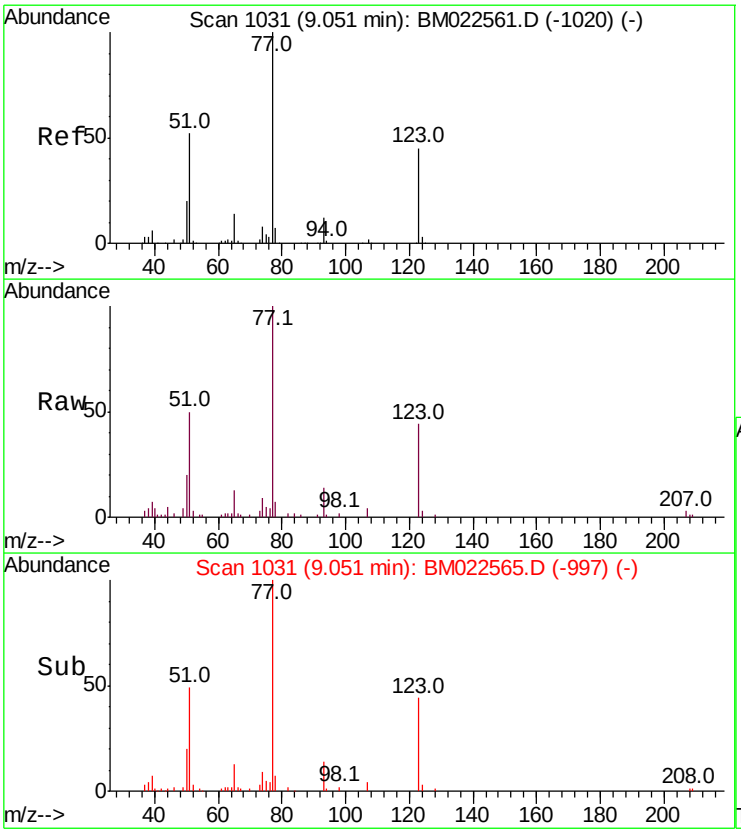
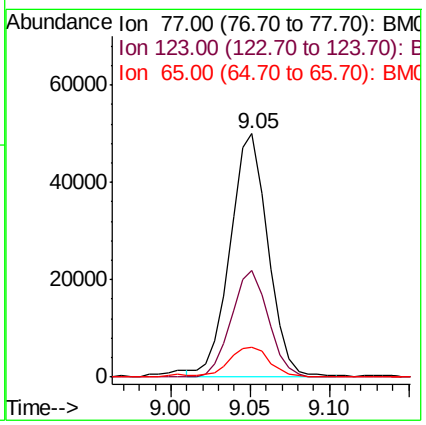
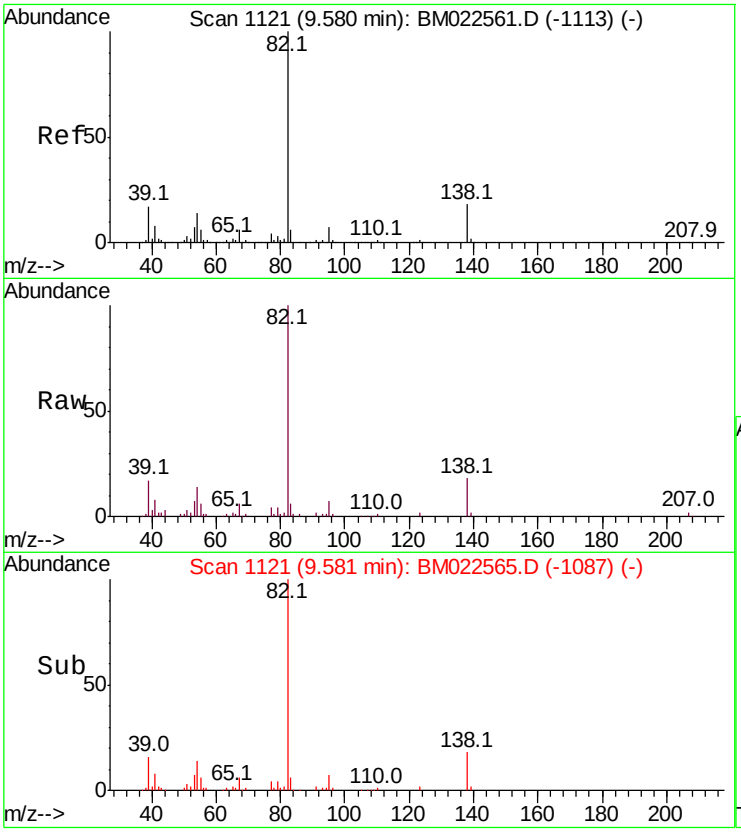


#20
Nitrobenzene
Concen: 4.237 ng/ul
RT: 9.05 min Scan# 1031
Delta R.T. 0.00 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion: 77 Resp: 83214

Ion	Ratio	Lower	Upper
77	100		
123	43.8	35.8	53.6
65	12.5	10.5	15.7

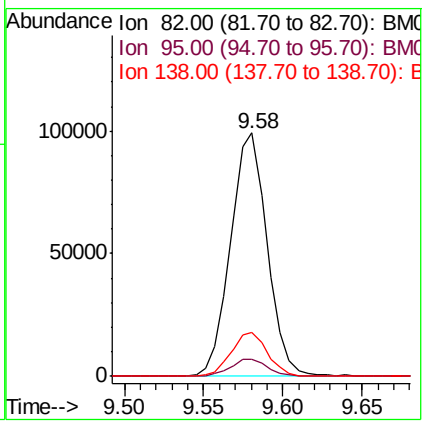




#21
Isophorone
Concen: 3.616 ng/ul
RT: 9.58 min Scan# 1121
Delta R.T. 0.00 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion: 82 Resp: 159143

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.6	8.4
138	18.0	14.4	21.6



Instrument :
BNA_M
ClientSampleId :
MDL-S-03

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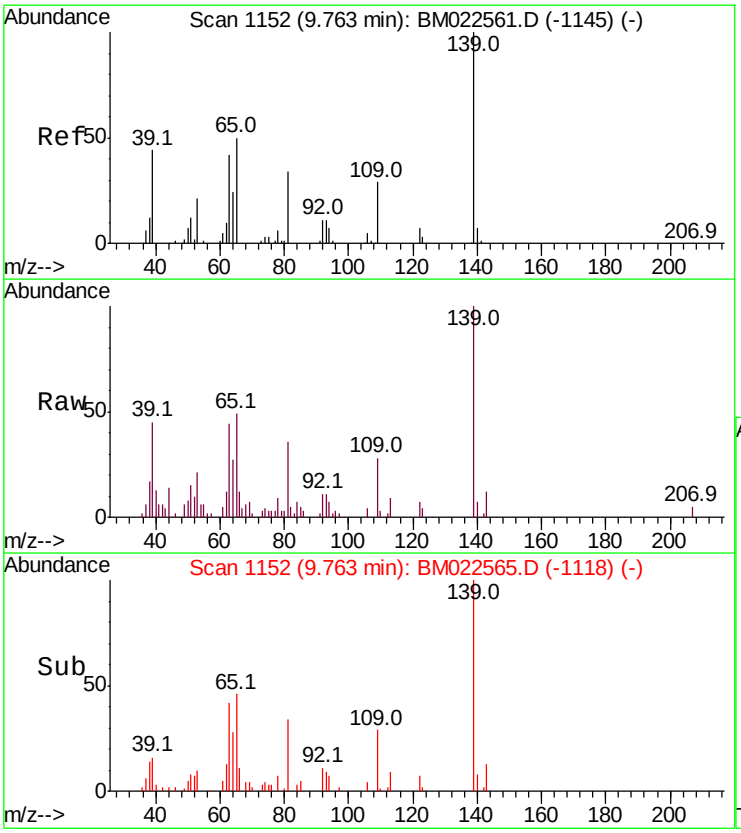
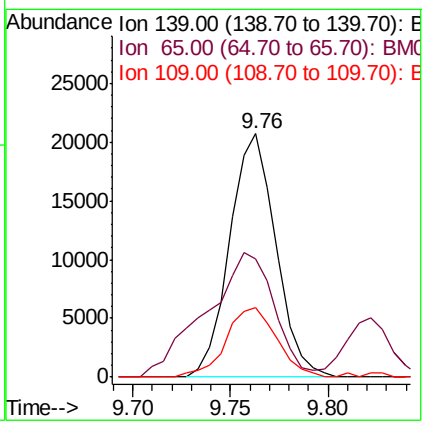
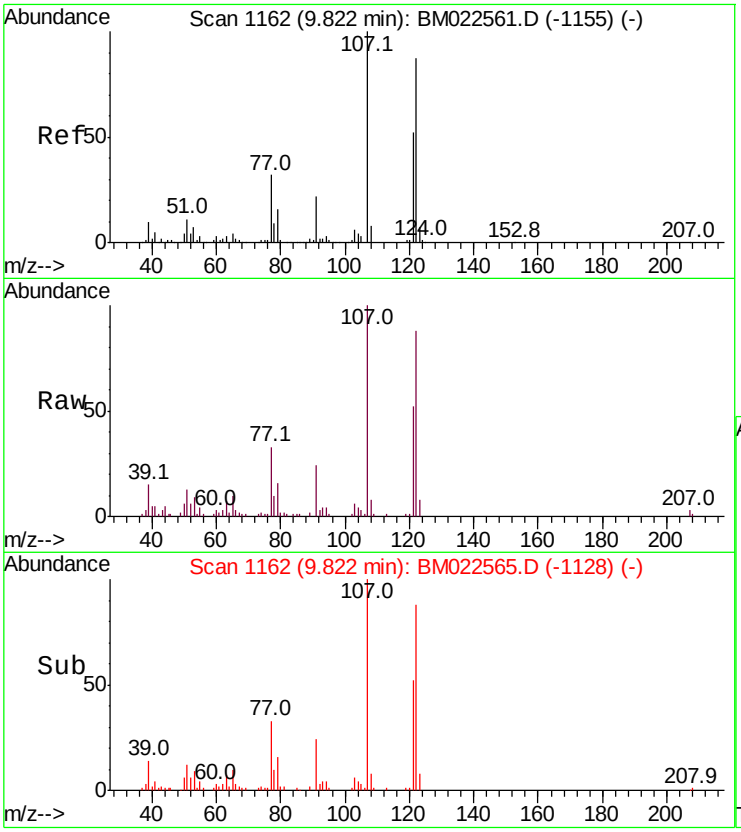


#23
2-Nitrophenol
Concen: 3.945 ng/ul
RT: 9.76 min Scan# 1152
Delta R.T. 0.00 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:139 Resp: 33890

Ion	Ratio	Lower	Upper
139	100		
65	48.7	39.3	58.9
109	28.4	23.5	35.3

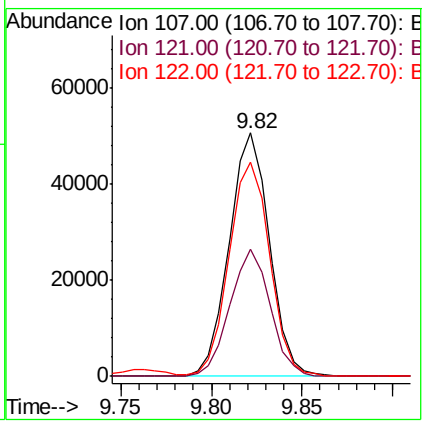




#24
2,4-Dimethylphenol
Concen: 3.639 ng/ul
RT: 9.82 min Scan# 1162
Delta R.T. 0.00 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:107 Resp: 78390

Ion	Ratio	Lower	Upper
107	100		
121	52.1	40.2	60.4
122	87.8	70.2	105.2



Instrument :
BNA_M
ClientSampleId :
MDL-S-03

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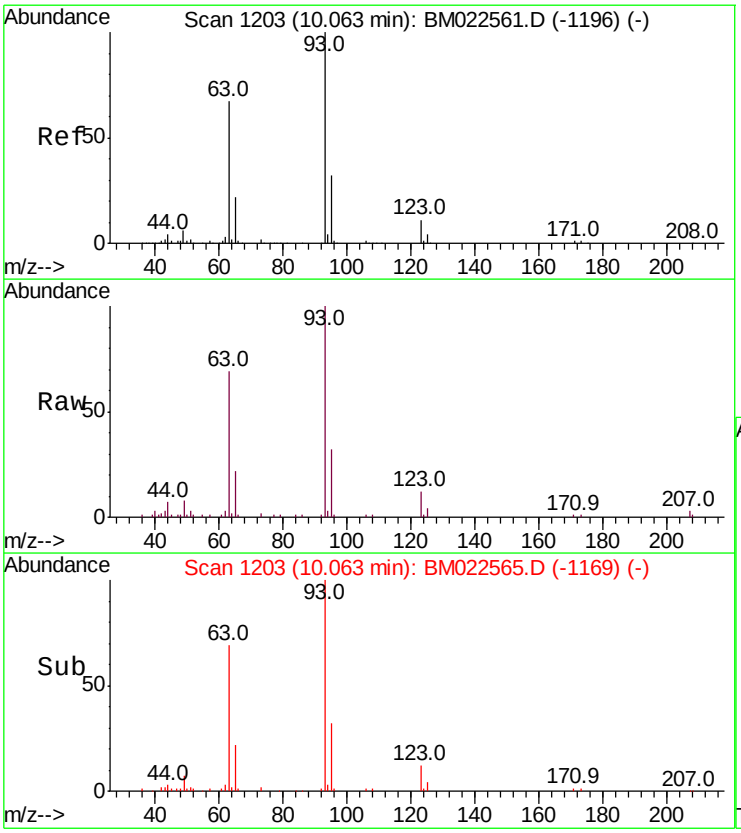
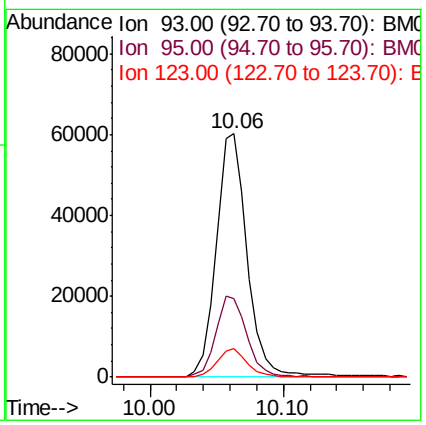
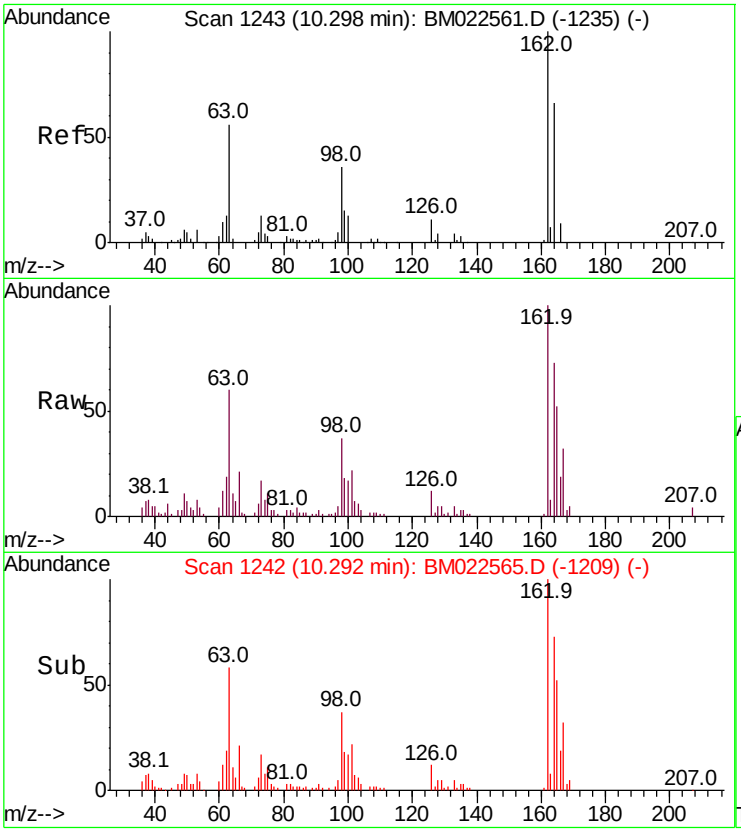


#25
Bis(2-Chloroethoxy)methane
Concen: 3.794 ng/ul
RT: 10.06 min Scan# 1203
Delta R.T. 0.00 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion: 93 Resp: 97897

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.1	39.1
123	11.8	9.2	13.8

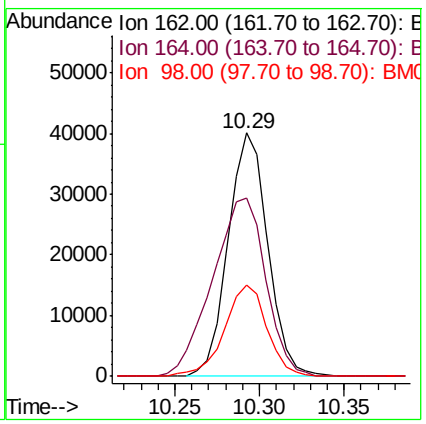




#27
2,4-Dichlorophenol
Concen: 3.622 ng/ul
RT: 10.29 min Scan# 1242
Delta R.T. -0.01 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:162 Resp: 65716

Ion	Ratio	Lower	Upper
162	100		
164	73.0	52.1	78.1
98	37.3	28.9	43.3



Instrument :
BNA_M
ClientSampleId :
MDL-S-03

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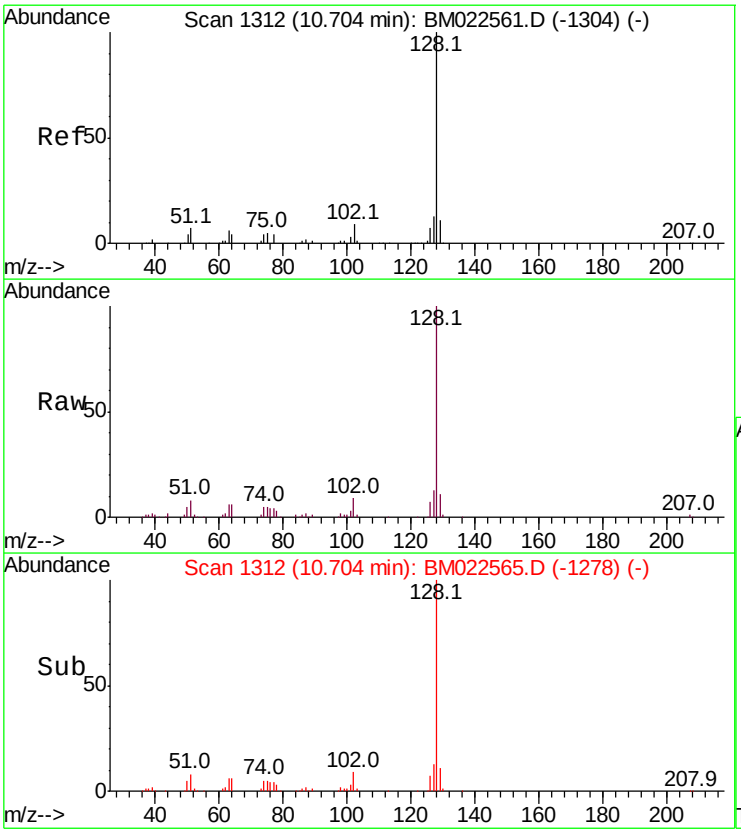
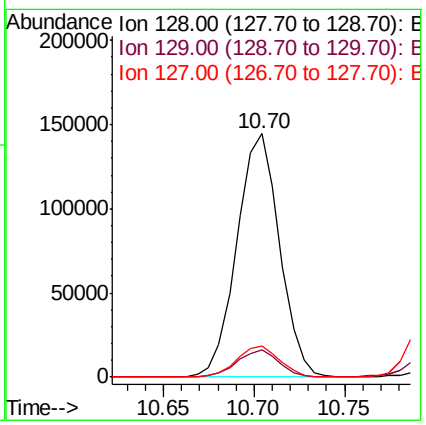
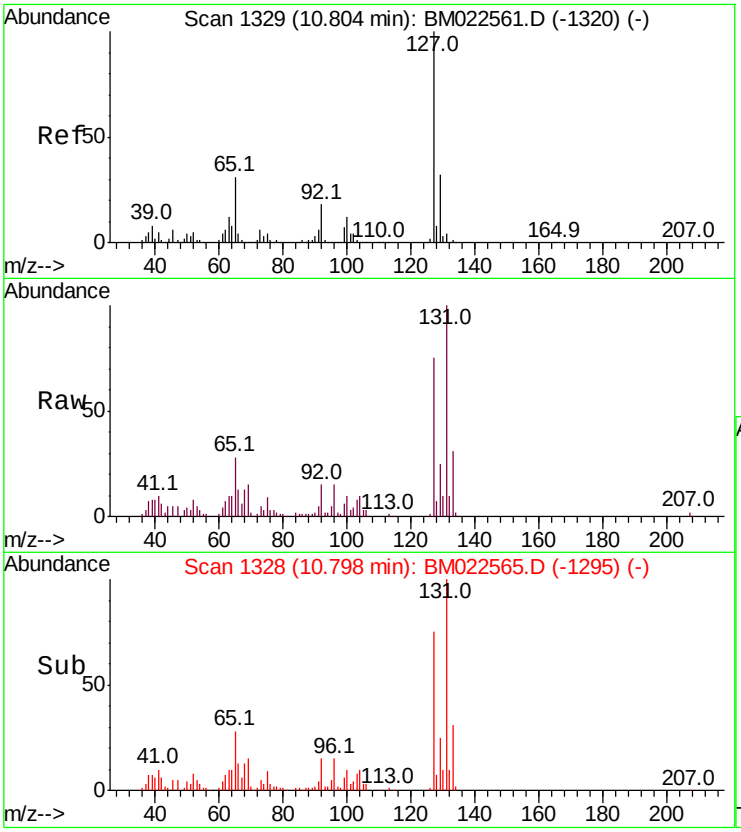


#28
Naphthalene
Concen: 3.916 ng/ul
RT: 10.70 min Scan# 1312
Delta R.T. 0.00 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:128 Resp: 236262

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.9	13.3
127	13.0	10.6	16.0





#30
4-Chloroaniline
Concen: 3.817 ng/ul
RT: 10.80 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:127 Resp: 95182

Ion	Ratio	Lower	Upper
127	100		
129	32.7	25.4	38.2

Instrument :
BNA_M
ClientSampleId :
MDL-S-03

Manual Integrations APPROVED
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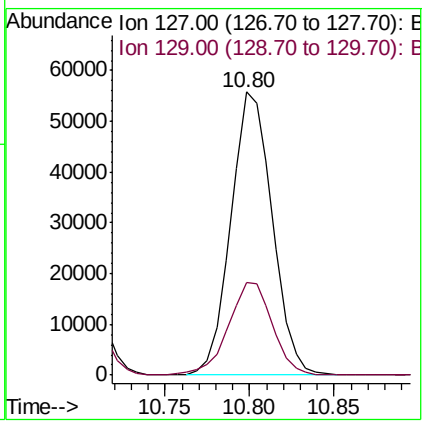
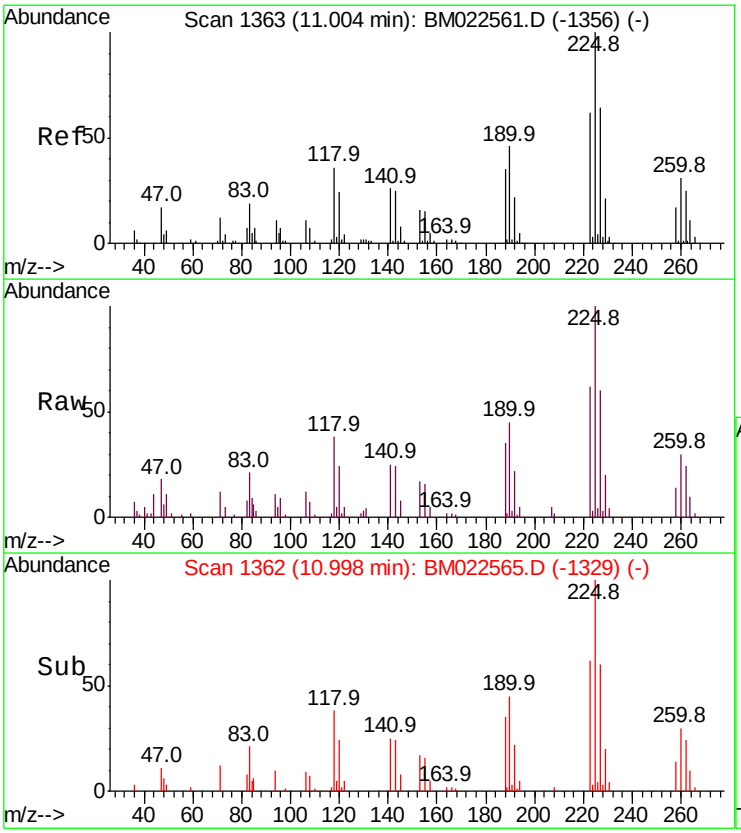
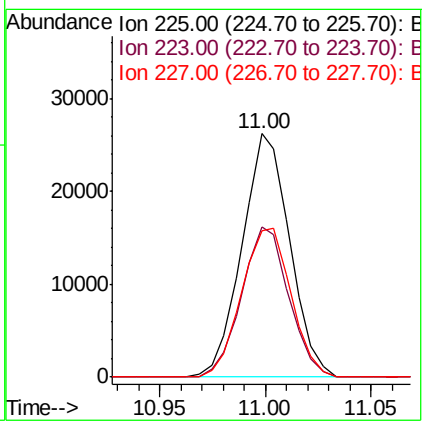


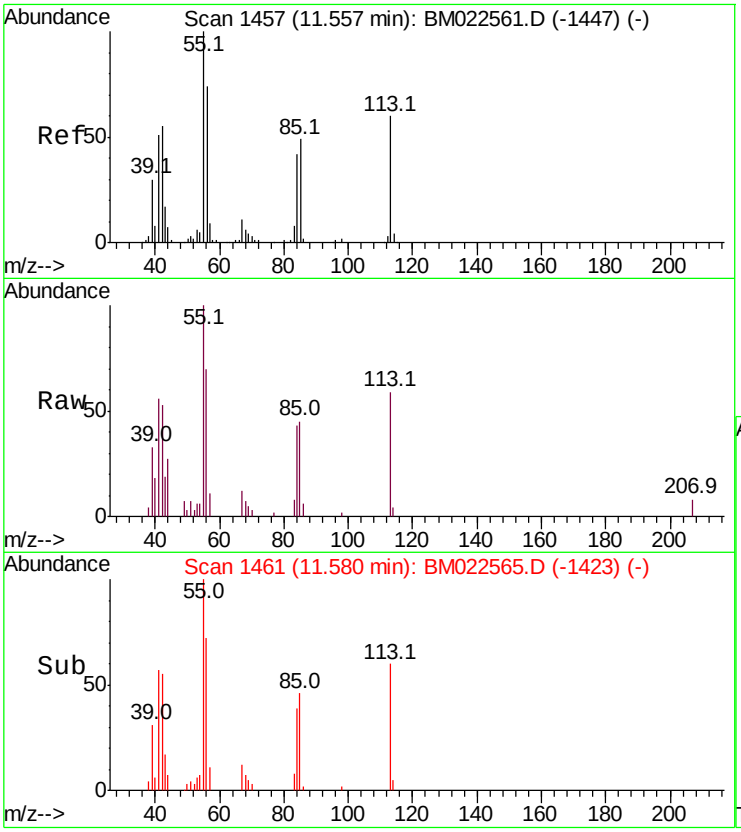


#31
Hexachlorobutadiene
Concen: 3.673 ng/ul
RT: 11.00 min Scan# 1362
Delta R.T. -0.01 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:225 Resp: 41056

Ion	Ratio	Lower	Upper
225	100		
223	61.7	50.1	75.1
227	60.0	51.8	77.8

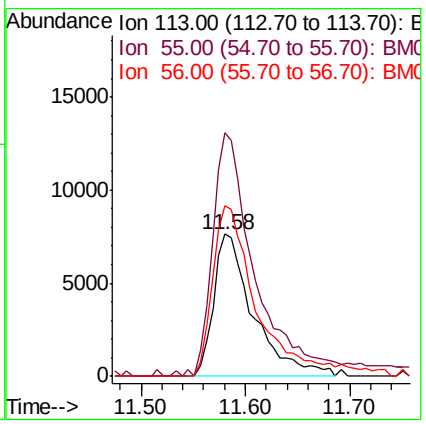




#32
Caprolactam
Concen: 2.990 ng/ul m
RT: 11.58 min Scan# 1461
Delta R.T. 0.02 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:113 Resp: 20192

Ion	Ratio	Lower	Upper
113	100		
55	170.9	135.6	203.4
56	119.7	98.4	147.6



Instrument :
BNA_M
ClientSampleId :
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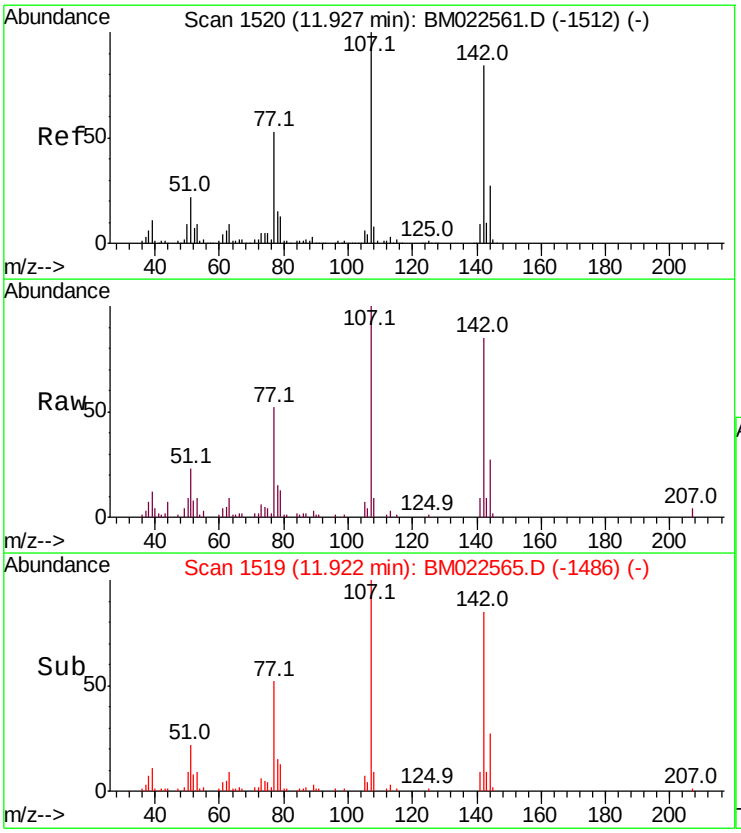
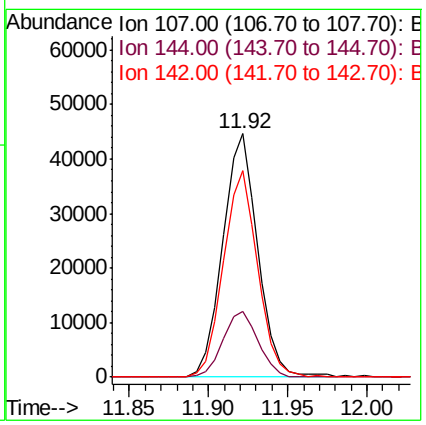
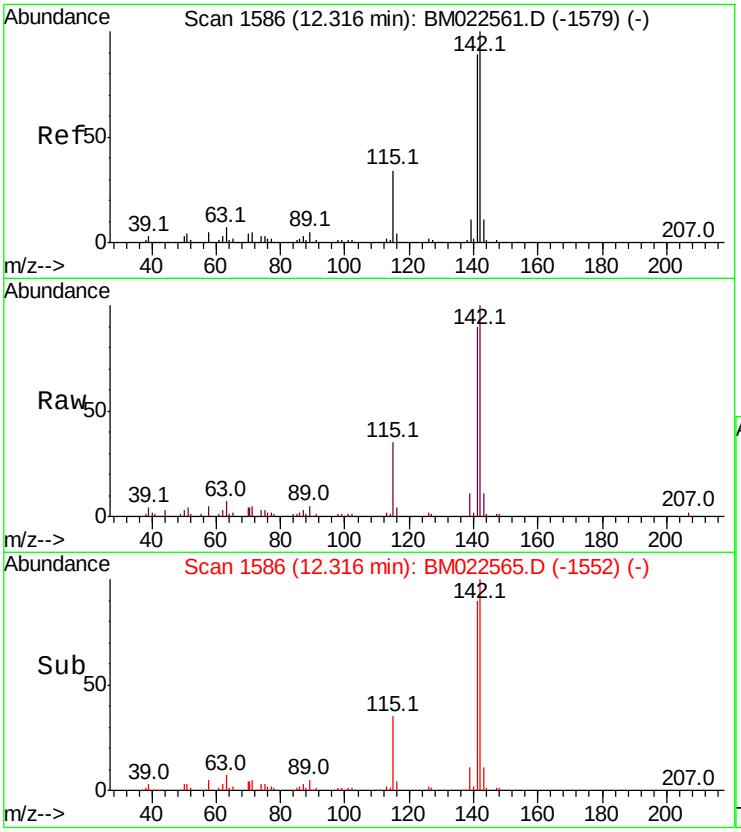


#33
4-Chloro-3-methylphenol
Concen: 3.397 ng/ul
RT: 11.92 min Scan# 1519
Delta R.T. -0.01 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:107 Resp: 68026

Ion	Ratio	Lower	Upper
107	100		
144	26.7	22.6	34.0
142	84.6	67.0	100.4





#34
2-Methylnaphthalene
Concen: 3.790 ng/ul
RT: 12.32 min Scan# 1586
Delta R.T. 0.00 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:142 Resp: 172234

Ion	Ratio	Lower	Upper
142	100		
141	90.5	71.0	106.4

Instrument :
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ClientSampleId :
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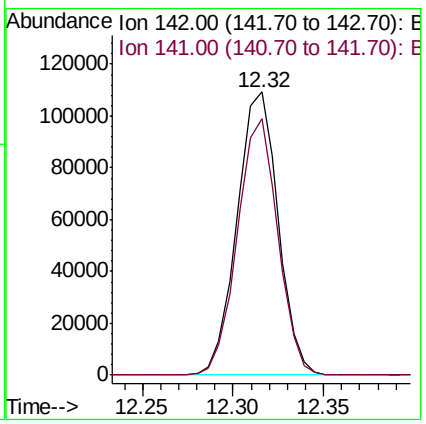
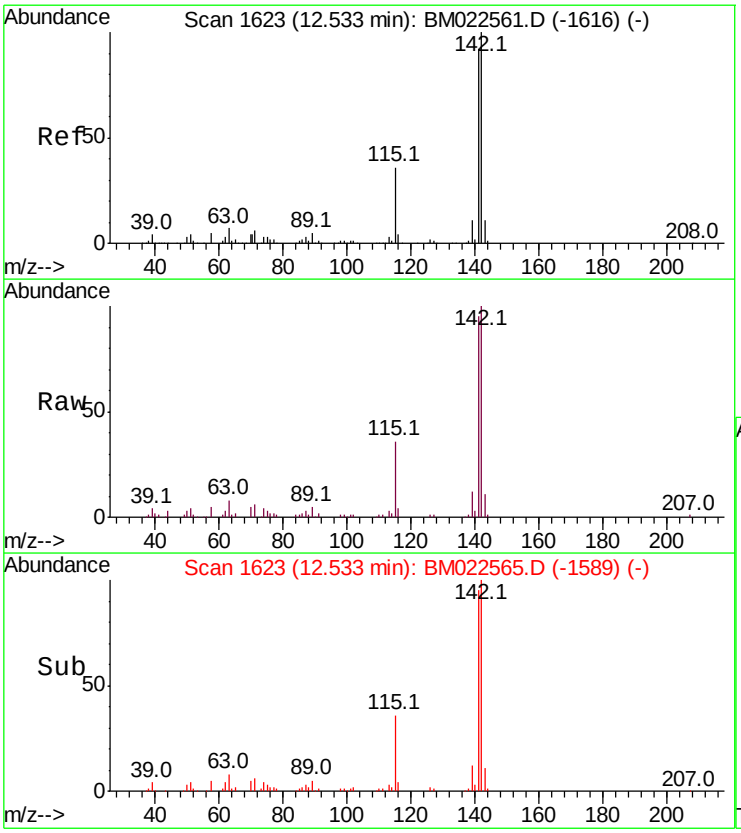
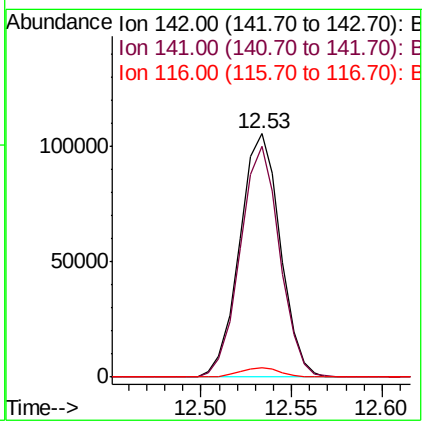


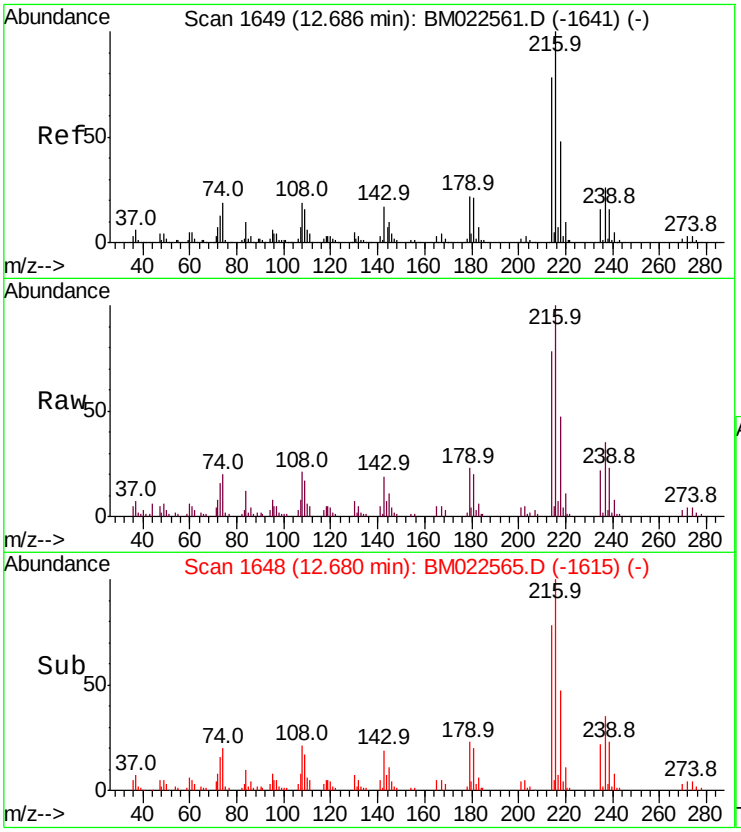


#35
1-Methylnaphthalene
Concen: 3.778 ng/ul
RT: 12.53 min Scan# 1623
Delta R.T. 0.00 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:142 Resp: 164075

Ion	Ratio	Lower	Upper
142	100		
141	94.7	72.6	108.8
116	3.8	3.0	4.4

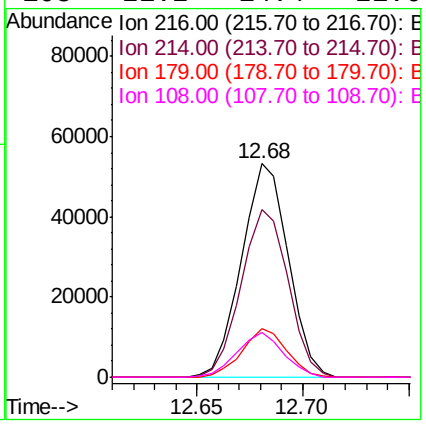




#37
1,2,4,5-Tetrachlorobenzene
Concen: 3.668 ng/ul
RT: 12.68 min Scan# 1648
Delta R.T. -0.01 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:216 Resp: 82023

Ion	Ratio	Lower	Upper
216	100		
214	78.2	63.4	95.0
179	22.8	16.7	25.1
108	21.2	14.4	21.6



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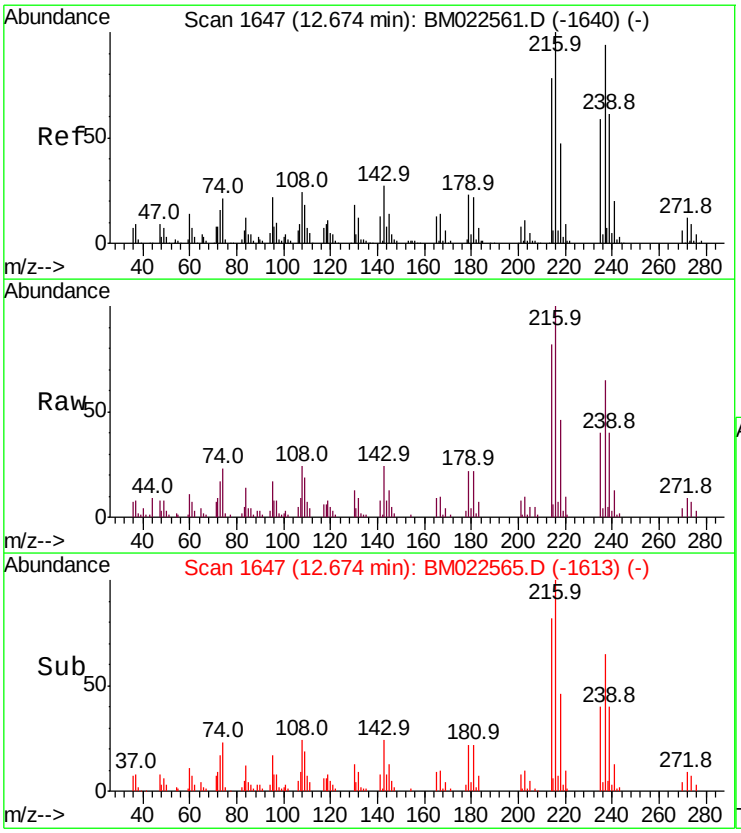
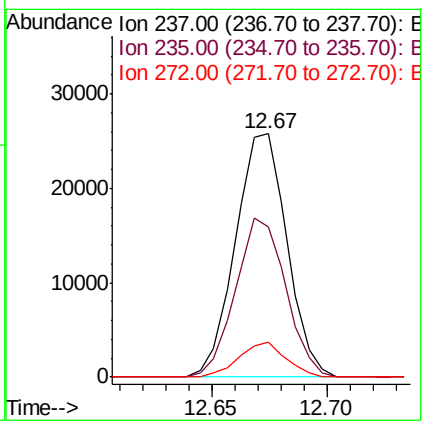
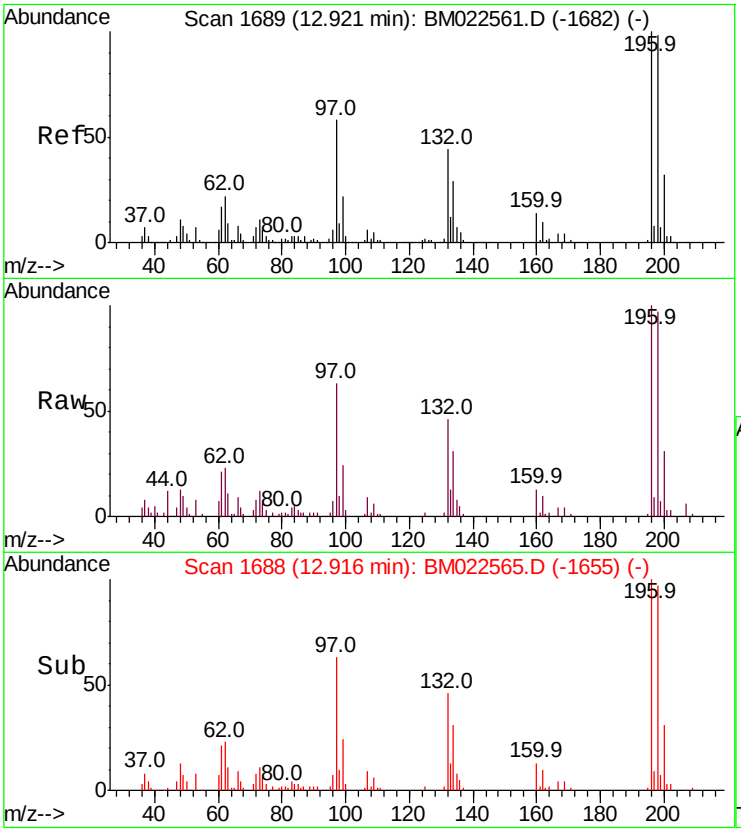


#38
Hexachlorocyclopentadiene
Concen: 2.910 ng/ul
RT: 12.67 min Scan# 1647
Delta R.T. 0.00 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:237 Resp: 40113

Ion	Ratio	Lower	Upper
237	100		
235	61.5	50.1	75.1
272	14.2	10.2	15.4

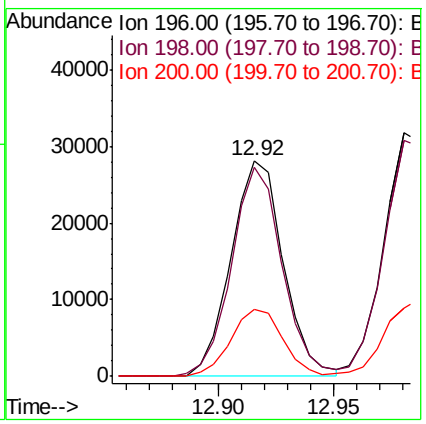




#39
2,4,6-Trichlorophenol
Concen: 3.179 ng/ul
RT: 12.92 min Scan# 1688
Delta R.T. -0.01 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:196 Resp: 44500

Ion	Ratio	Lower	Upper
196	100		
198	97.0	77.7	116.5
200	30.9	24.6	37.0



Instrument :
BNA_M
ClientSampleId :
MDL-S-03

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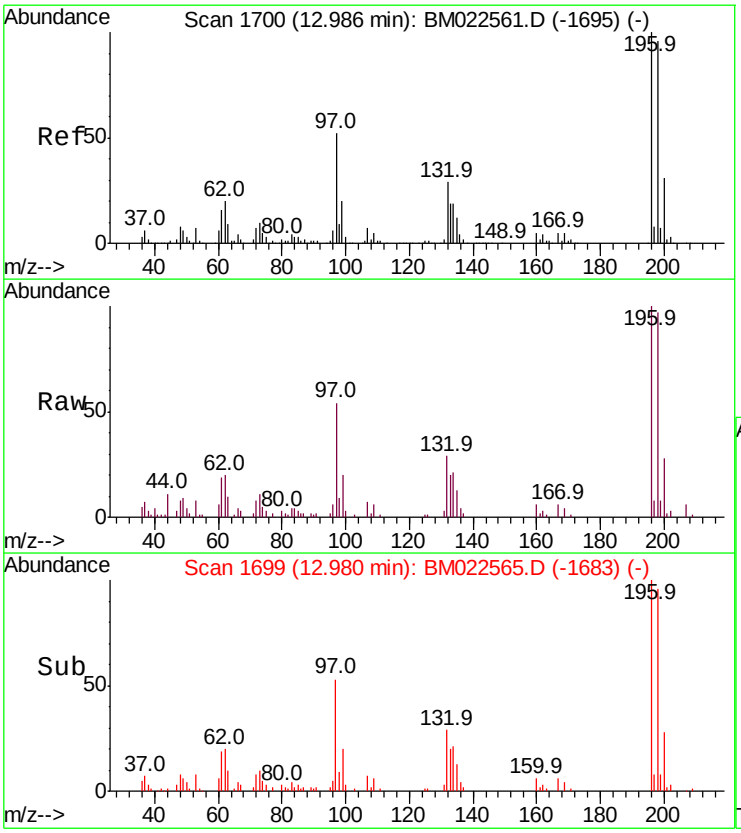
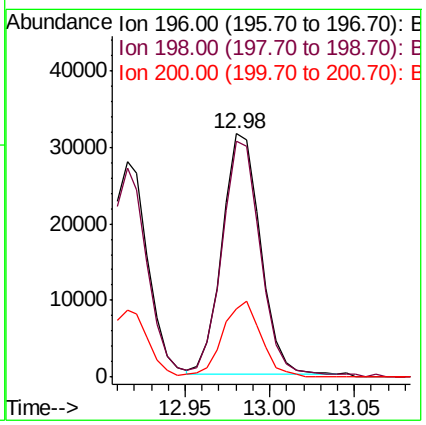
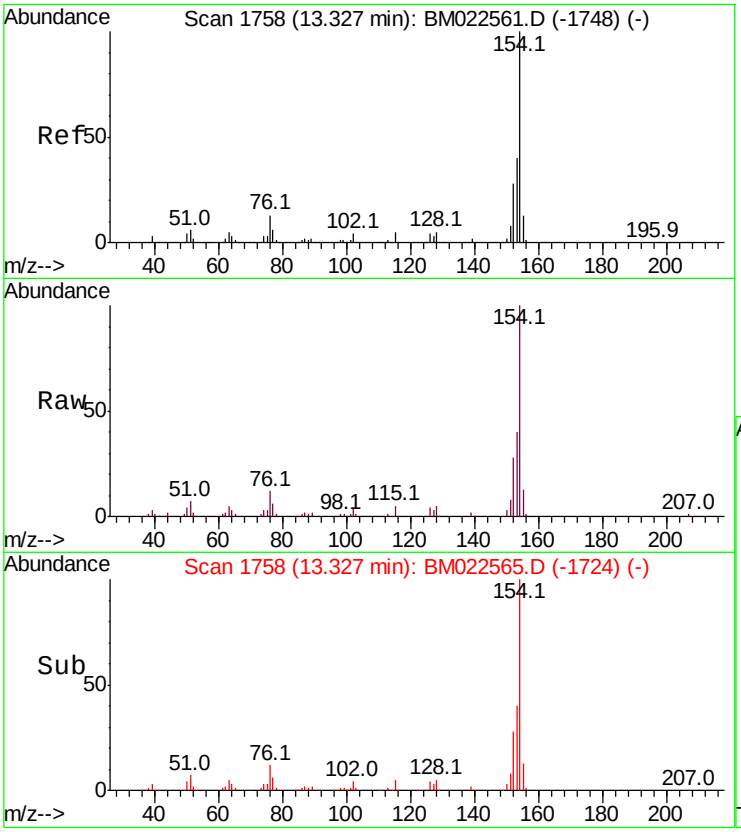


#40
2,4,5-Trichlorophenol
Concen: 3.264 ng/ul
RT: 12.98 min Scan# 1699
Delta R.T. -0.01 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:196 Resp: 49542

Ion	Ratio	Lower	Upper
196	100		
198	96.7	77.4	116.0
200	28.0	24.0	36.0

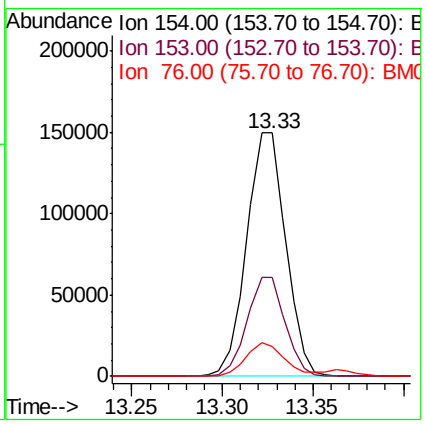




#41
1,1'-Biphenyl
Concen: 3.898 ng/ul
RT: 13.33 min Scan# 1758
Delta R.T. 0.00 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:154 Resp: 224963

Ion	Ratio	Lower	Upper
154	100		
153	40.5	32.1	48.1
76	12.4	10.2	15.2



Instrument :
BNA_M
ClientSampleId :
MDL-S-03

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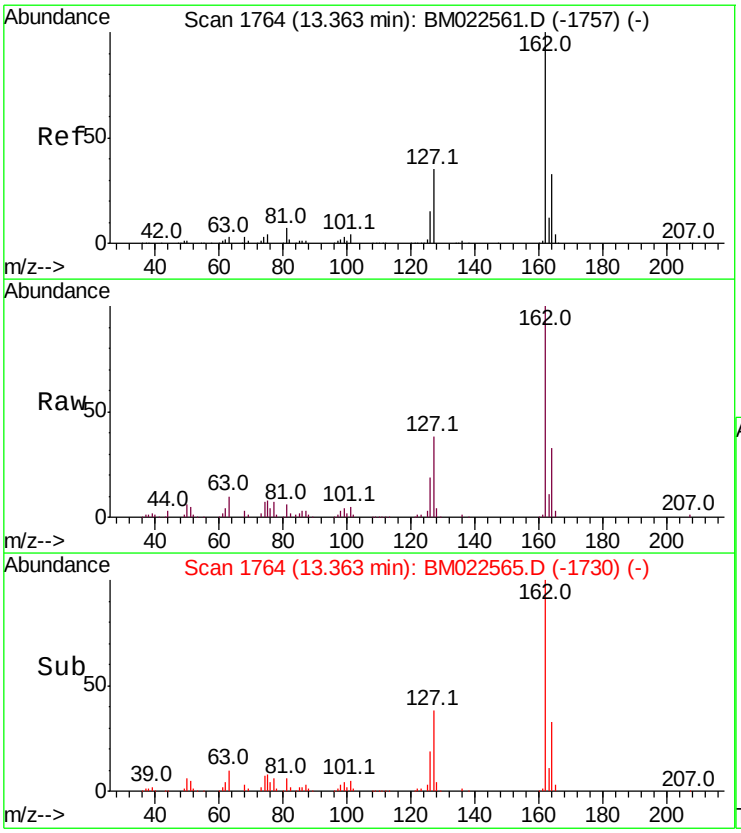
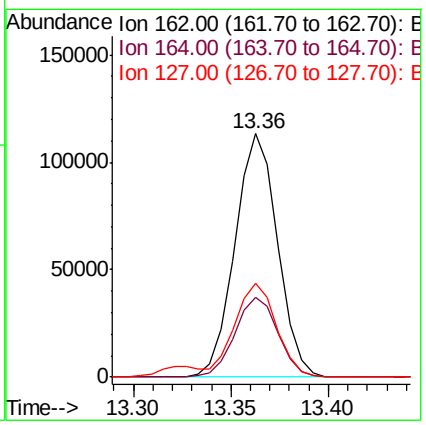
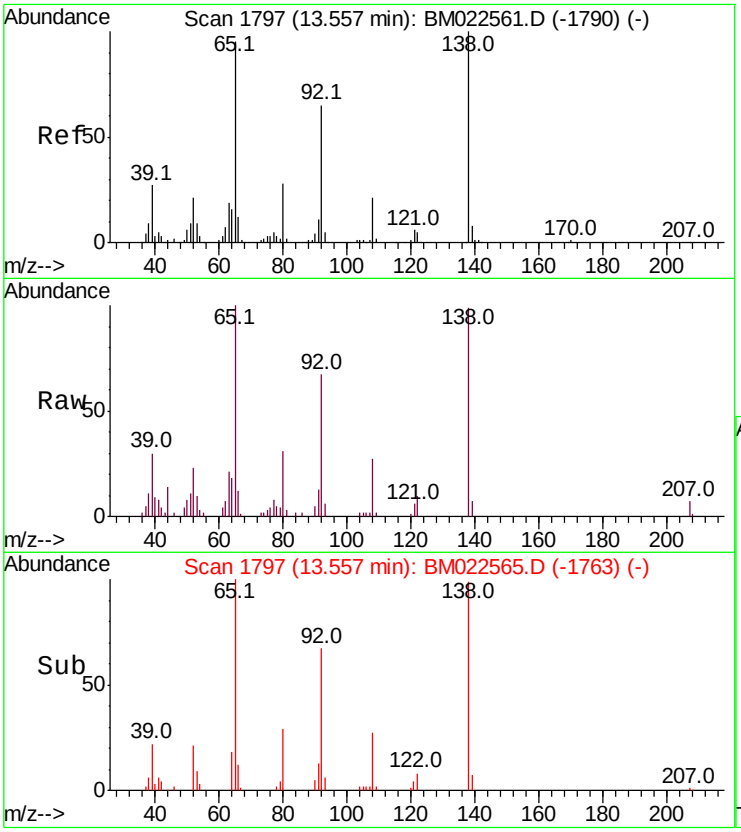


#42
2-Chloronaphthalene
Concen: 3.902 ng/ul
RT: 13.36 min Scan# 1764
Delta R.T. 0.00 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:162 Resp: 170496

Ion	Ratio	Lower	Upper
162	100		
164	32.5	26.1	39.1
127	38.3	30.1	45.1

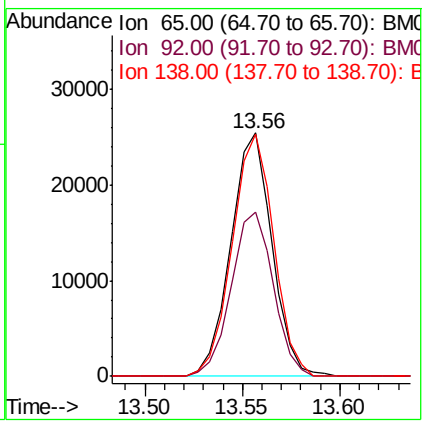




#43
2-Nitroaniline
Concen: 3.650 ng/ul
RT: 13.56 min Scan# 1797
Delta R.T. 0.00 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion: 65 Resp: 37234

Ion	Ratio	Lower	Upper
65	100		
92	67.3	55.7	83.5
138	99.5	86.0	129.0



Instrument :
BNA_M
ClientSampleId :
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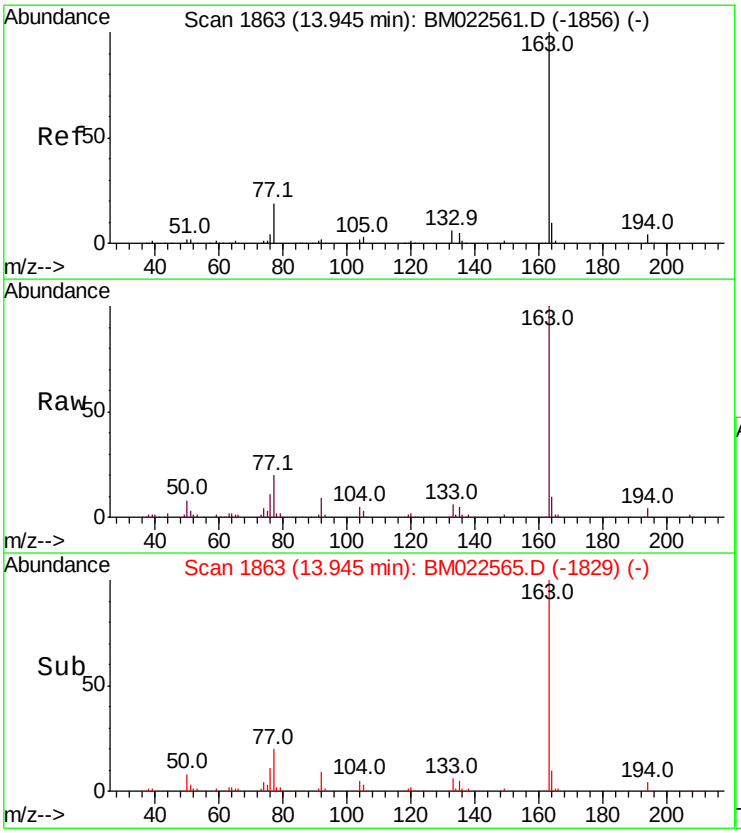
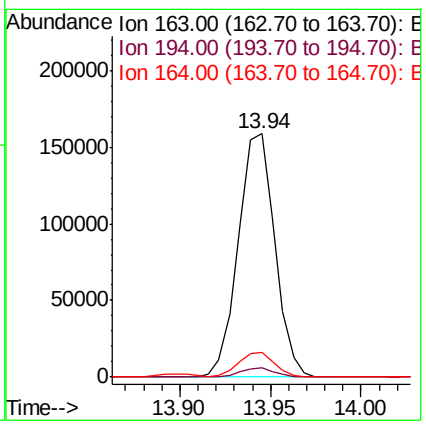
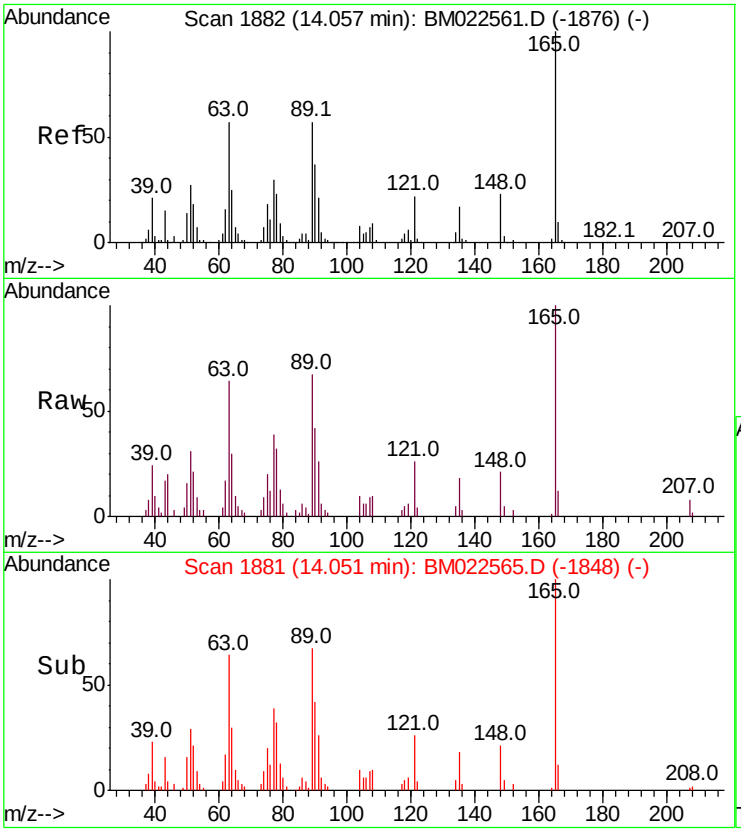


#45
Dimethylphthalate
Concen: 3.921 ng/ul
RT: 13.94 min Scan# 1863
Delta R.T. 0.00 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:163 Resp: 223504

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.2	4.8
164	10.1	7.8	11.8





#46
2,6-Dinitrotoluene
Concen: 3.311 ng/ul
RT: 14.05 min Scan# 1881
Delta R.T. -0.01 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:165 Resp: 30728

Ion	Ratio	Lower	Upper
165	100		
89	67.3	47.7	71.5
121	26.5	18.4	27.6

Instrument :
BNA_M
ClientSampleId :
MDL-S-03

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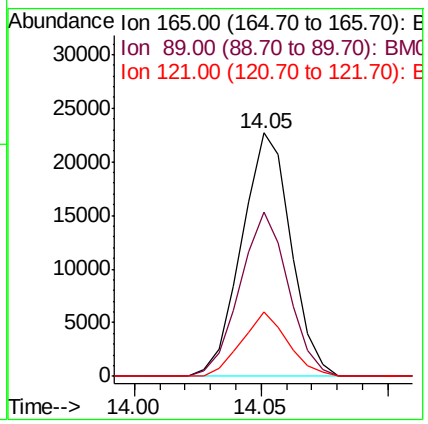
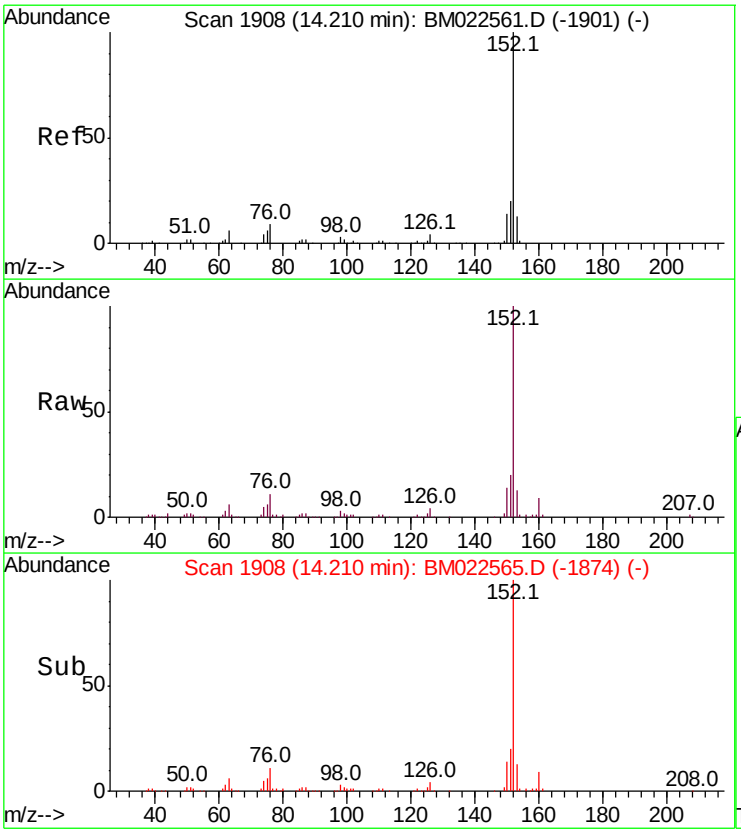
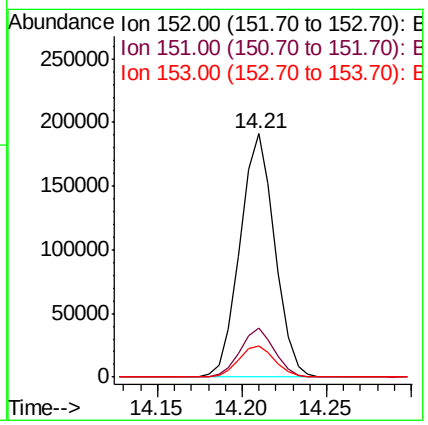


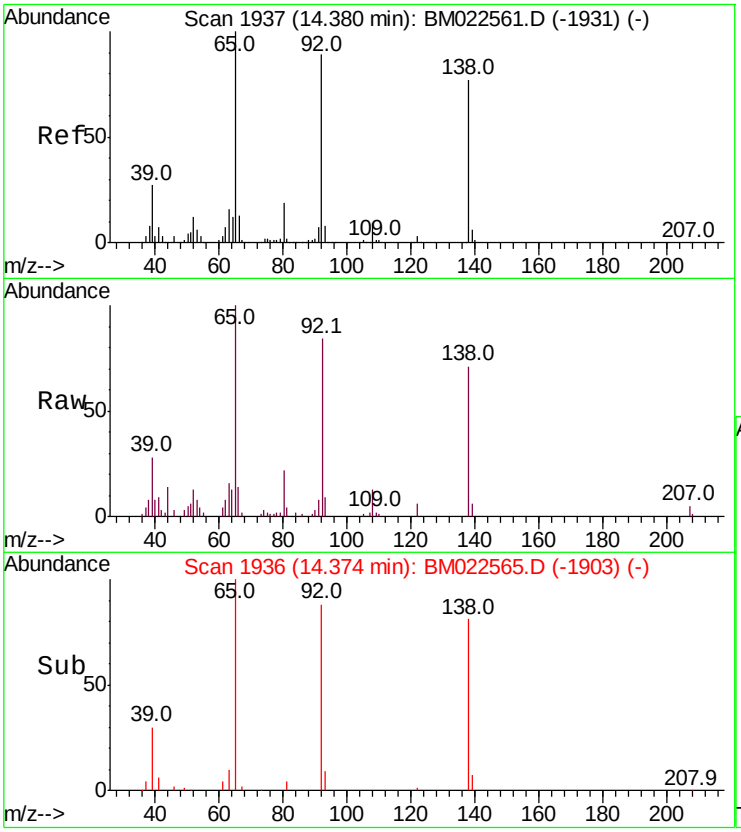


#48
Acenaphthylene
Concen: 3.933 ng/ul
RT: 14.21 min Scan# 1908
Delta R.T. 0.00 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:152 Resp: 274271

Ion	Ratio	Lower	Upper
152	100		
151	20.0	15.8	23.8
153	12.6	10.4	15.6

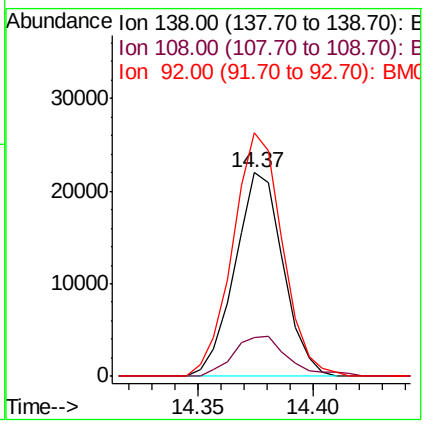




#49
3-Nitroaniline
Concen: 3.195 ng/ul
RT: 14.37 min Scan# 1936
Delta R.T. -0.01 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:138 Resp: 32154

Ion	Ratio	Lower	Upper
138	100		
108	19.0	13.5	20.3
92	119.5	93.7	140.5



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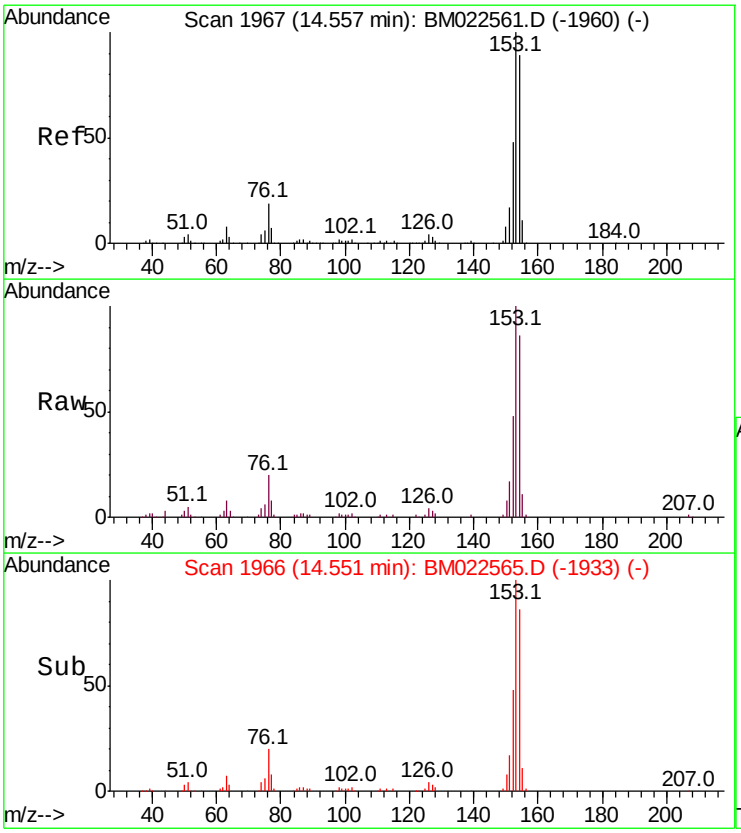
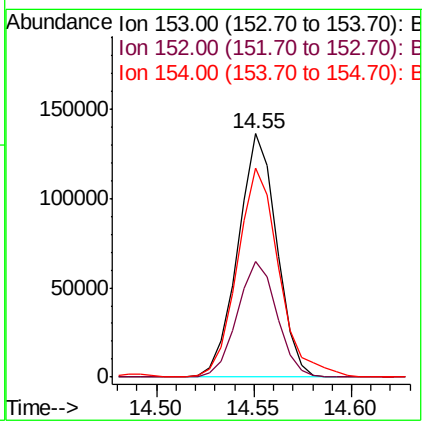
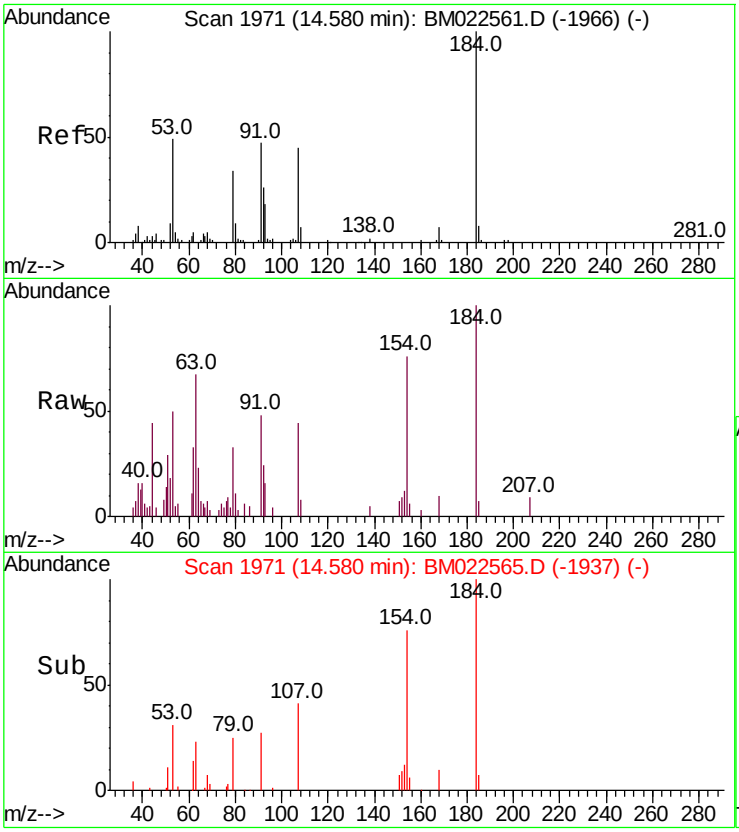


#50
Acenaphthene
Concen: 3.893 ng/ul
RT: 14.55 min Scan# 1966
Delta R.T. -0.01 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:153 Resp: 188150

Ion	Ratio	Lower	Upper
153	100		
152	47.7	37.5	56.3
154	85.8	71.4	107.0





#51
2,4-Dinitrophenol
Concen: 3.416 ng/ul
RT: 14.58 min Scan# 1971
Delta R.T. 0.00 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:184 Resp: 14544

Ion	Ratio	Lower	Upper
184	100		
63	67.5	51.5	77.3
154	76.0	81.9	122.9#

Instrument :
BNA_M
ClientSampleId :
MDL-S-03

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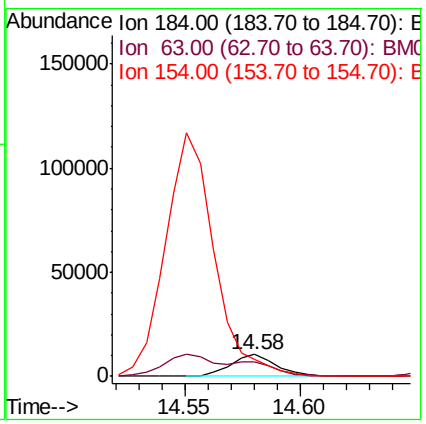
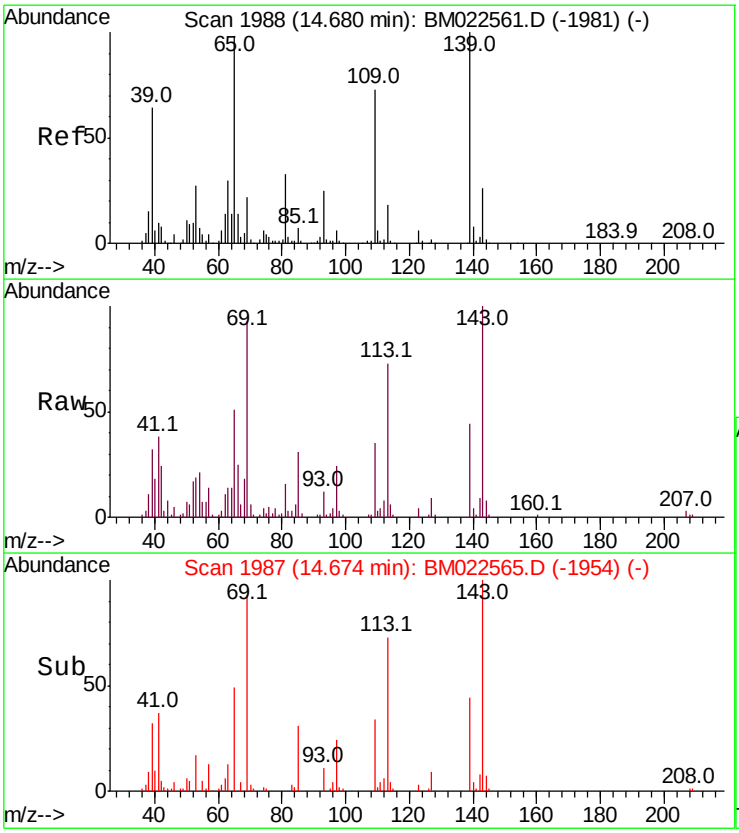
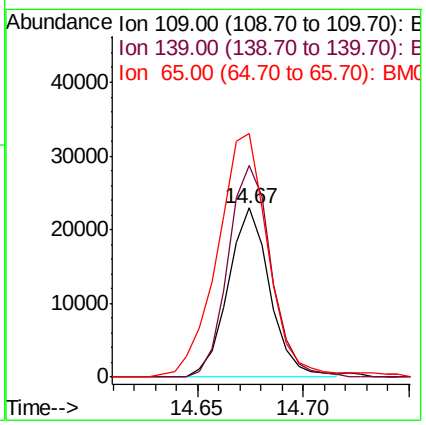


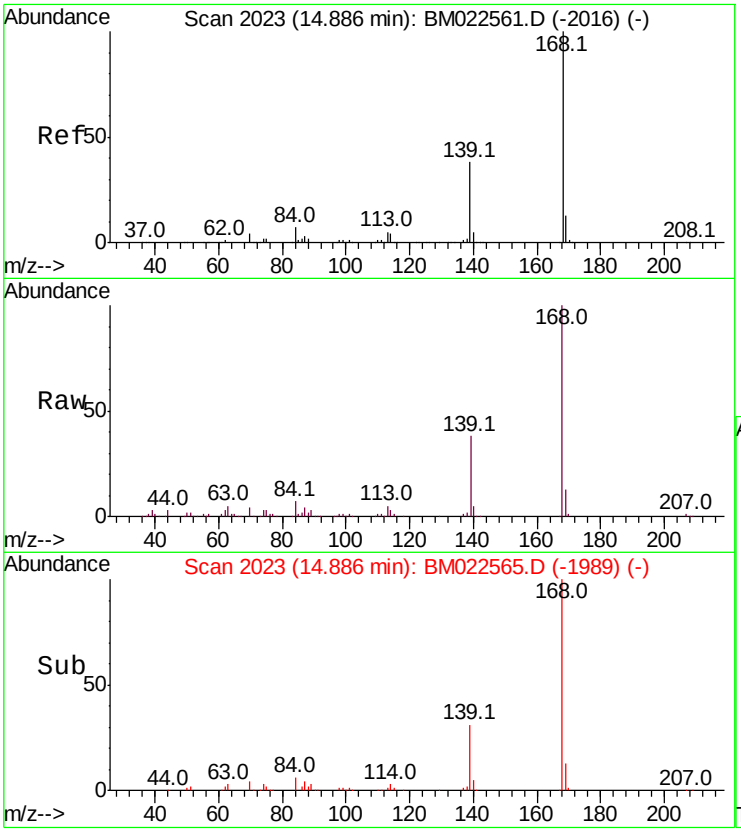


#53
4-Nitrophenol
Concen: 4.097 ng/ul
RT: 14.67 min Scan# 1987
Delta R.T. -0.01 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:109 Resp: 31575

Ion	Ratio	Lower	Upper
109	100		
139	125.1	107.6	161.4
65	144.2	101.9	152.9





#54
Dibenzofuran
Concen: 3.966 ng/ul
RT: 14.89 min Scan# 2023
Delta R.T. 0.00 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:168 Resp: 265990

Ion	Ratio	Lower	Upper
168	100		
139	37.6	29.5	44.3

Instrument :
BNA_M
ClientSampleId :
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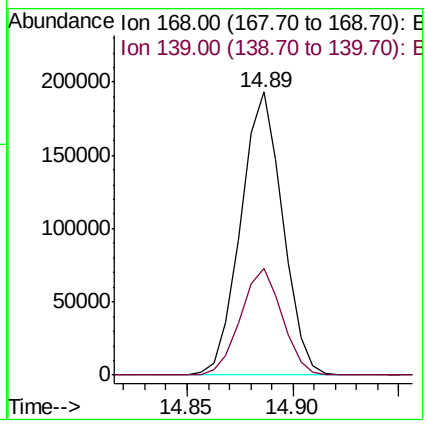
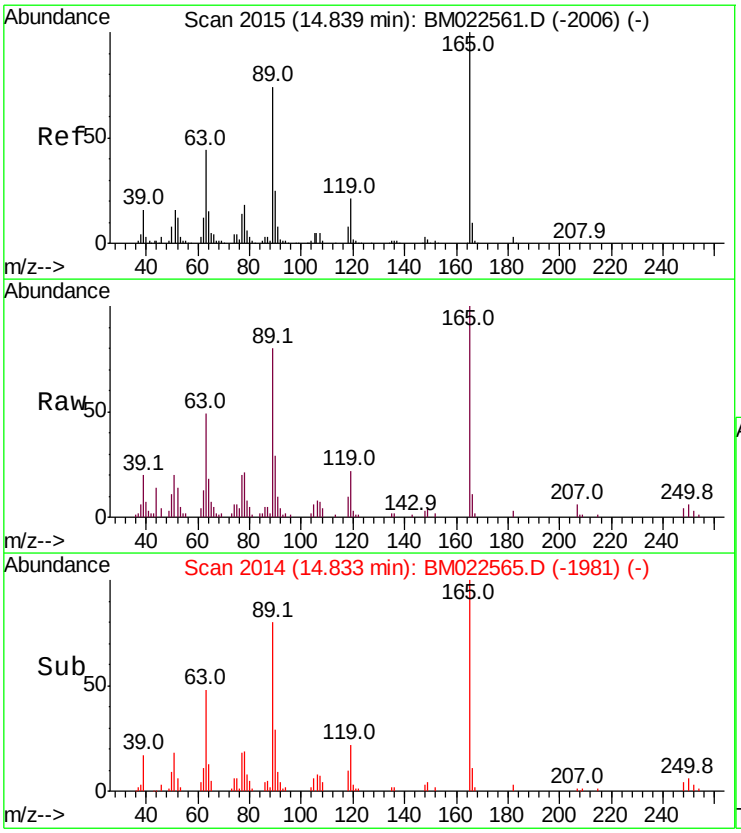
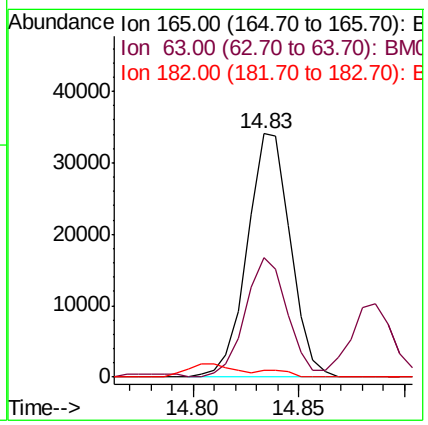


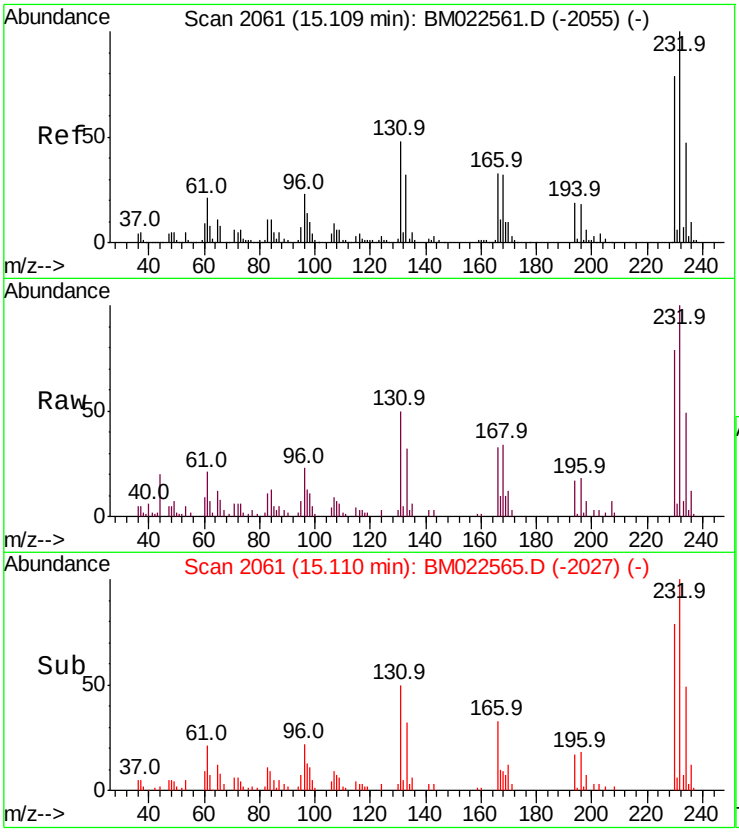


#55
2,4-Dinitrotoluene
Concen: 3.564 ng/ul
RT: 14.83 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:165 Resp: 48447

Ion	Ratio	Lower	Upper
165	100		
63	49.1	35.7	53.5
182	2.7	2.2	3.2

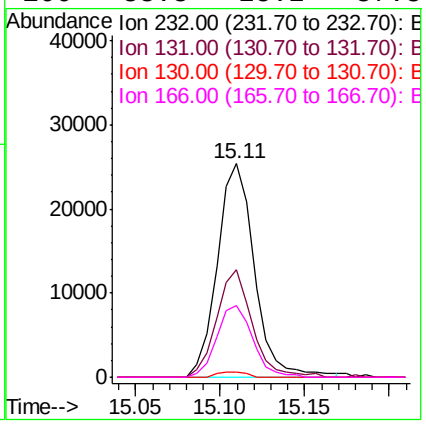




#56
2,3,4,6-Tetrachlorophenol
Concen: 3.071 ng/ul
RT: 15.11 min Scan# 2061
Delta R.T. 0.00 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:232 Resp: 38720

Ion	Ratio	Lower	Upper
232	100		
131	50.4	36.9	55.3
130	2.5	2.0	3.0
166	33.3	25.2	37.8



Instrument :
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ClientSampleId :
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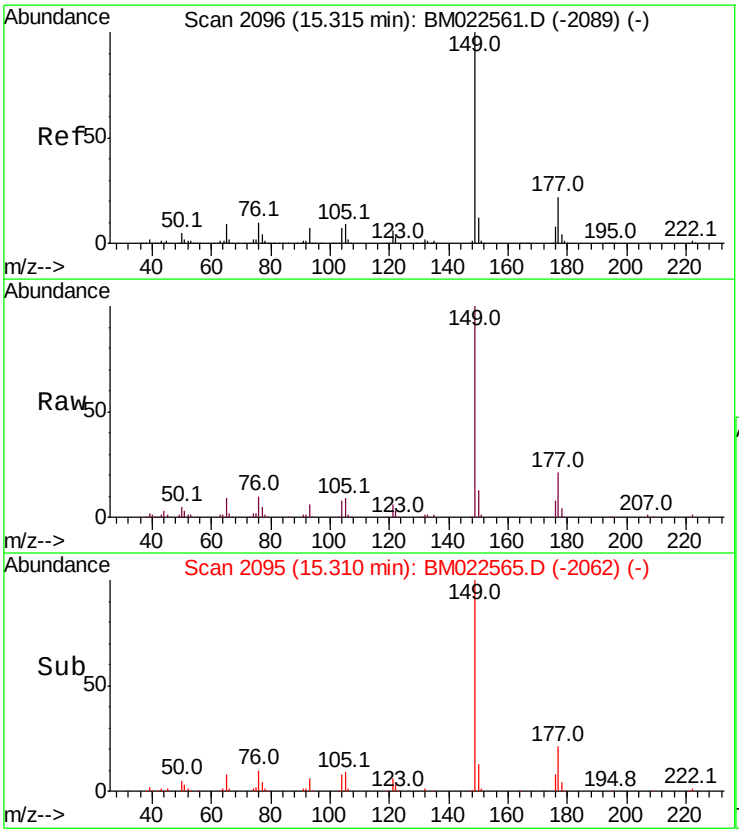
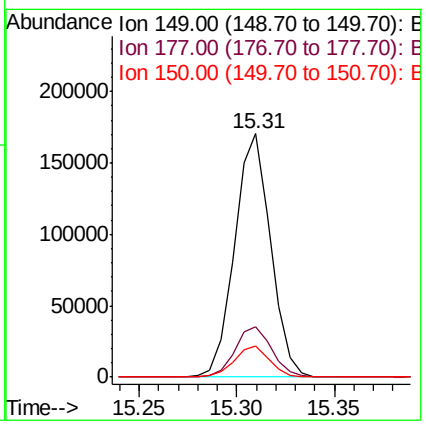
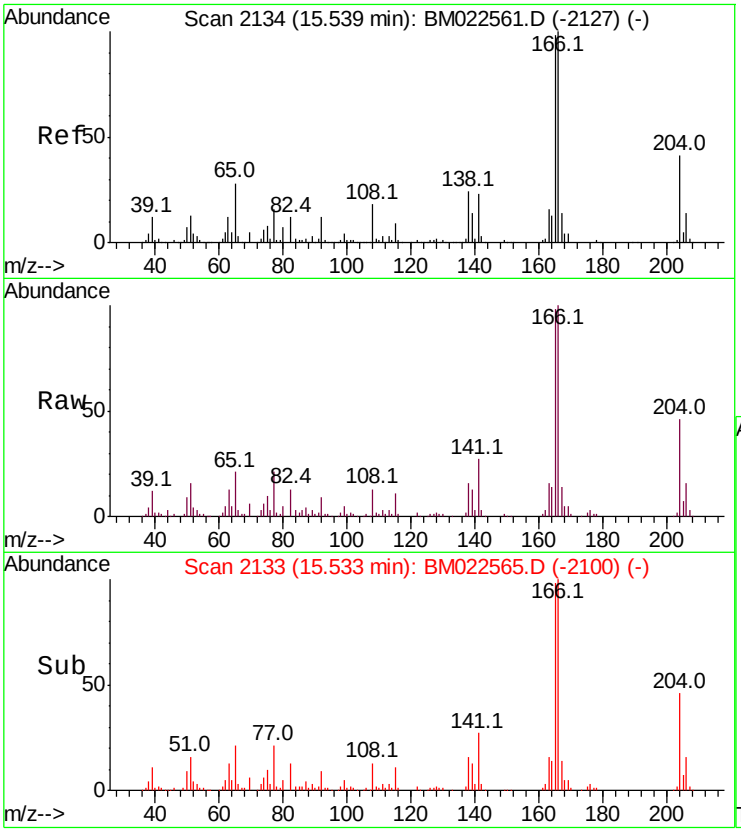


#57
Diethylphthalate
Concen: 3.683 ng/ul
RT: 15.31 min Scan# 2095
Delta R.T. -0.01 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:149 Resp: 217200

Ion	Ratio	Lower	Upper
149	100		
177	20.7	17.3	25.9
150	12.6	10.2	15.2

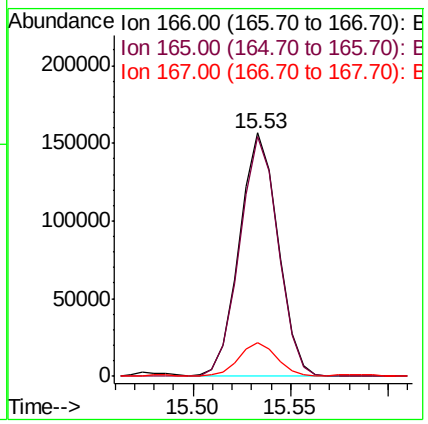




#59
Fluorene
Concen: 3.904 ng/ul
RT: 15.53 min Scan# 2133
Delta R.T. -0.01 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:166 Resp: 215414

Ion	Ratio	Lower	Upper
166	100		
165	98.4	77.8	116.8
167	13.6	10.9	16.3



Instrument :
BNA_M
ClientSampleId :
MDL-S-03

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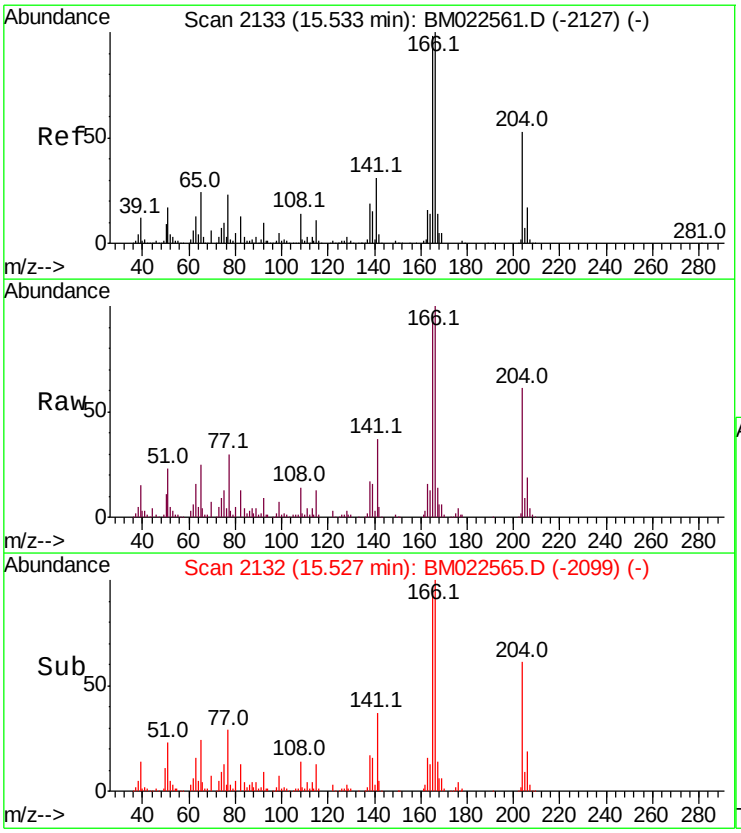
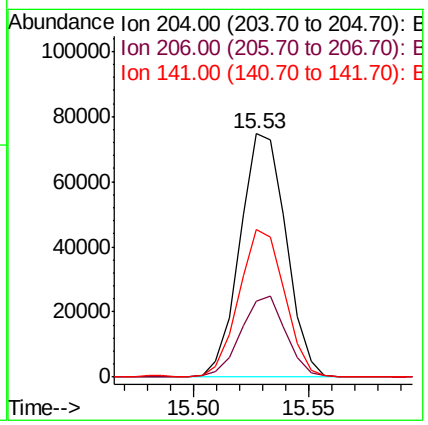
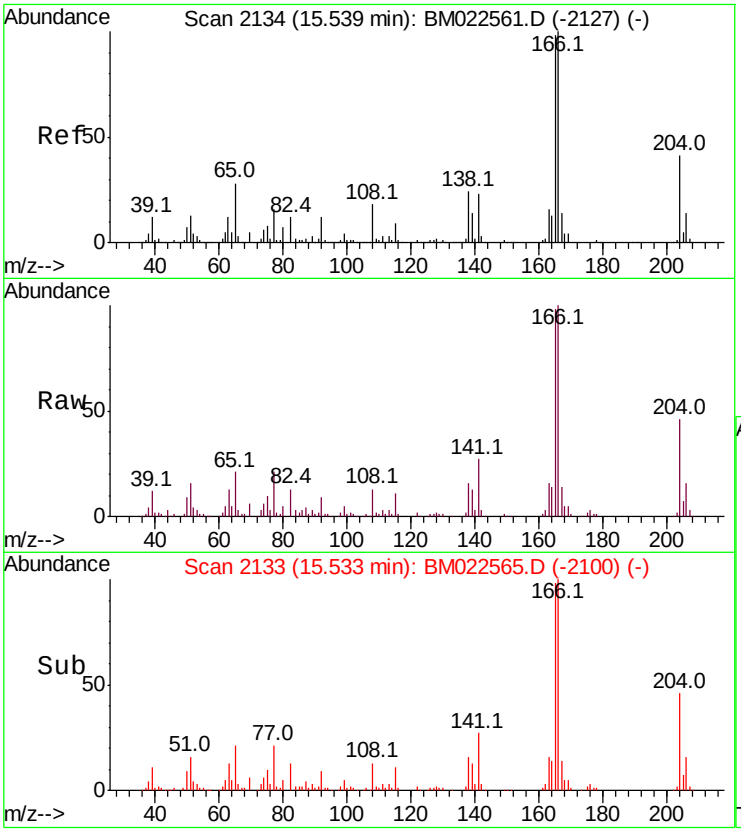


#60
4-Chlorophenyl-phenylether
Concen: 3.817 ng/ul
RT: 15.53 min Scan# 2132
Delta R.T. -0.01 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:204 Resp: 104231

Ion	Ratio	Lower	Upper
204	100		
206	31.4	26.0	39.0
141	60.7	45.4	68.2





#61
4-Nitroaniline
Concen: 3.127 ng/ul
RT: 15.53 min Scan# 2133
Delta R.T. -0.01 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:138 Resp: 35862

Ion	Ratio	Lower	Upper
138	100		
92	52.7	40.3	60.5
108	80.1	62.2	93.2

Instrument :
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ClientSampleId :
MDL-S-03

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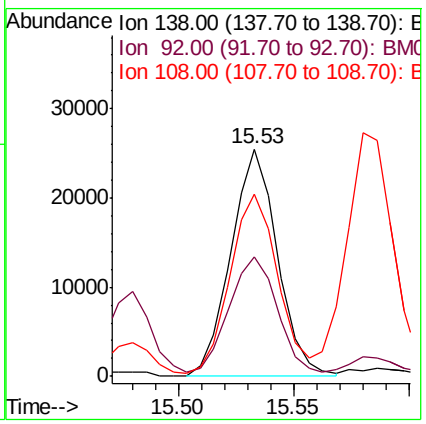
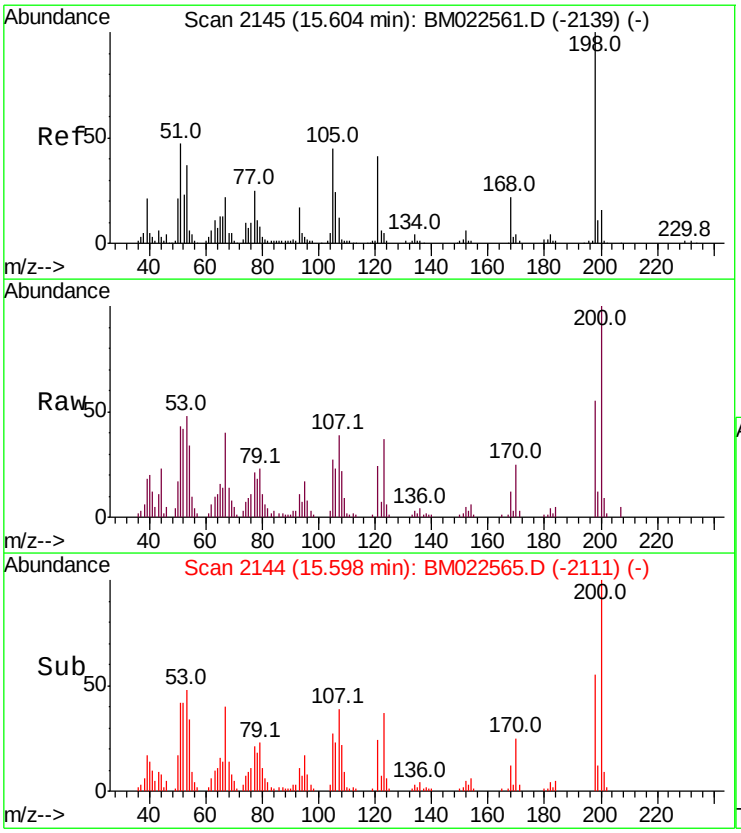
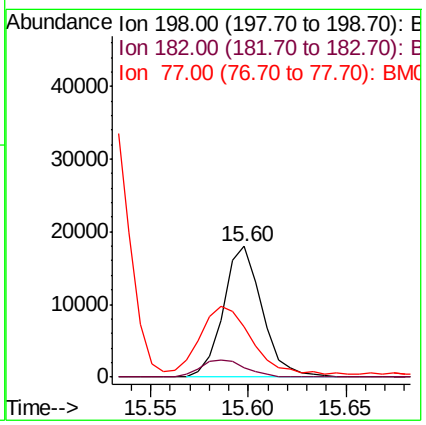


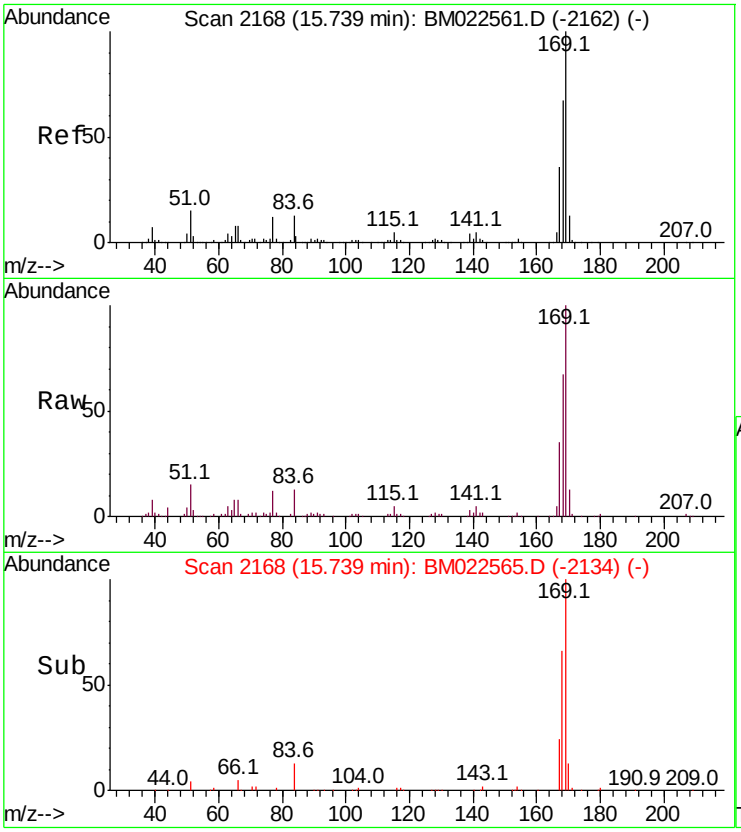


#64
4,6-Dinitro-2-methylphenol
Concen: 3.300 ng/ul
RT: 15.60 min Scan# 2144
Delta R.T. -0.01 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:198 Resp: 24761

Ion	Ratio	Lower	Upper
198	100		
182	7.2	3.4	5.0#
77	38.1	19.7	29.5#

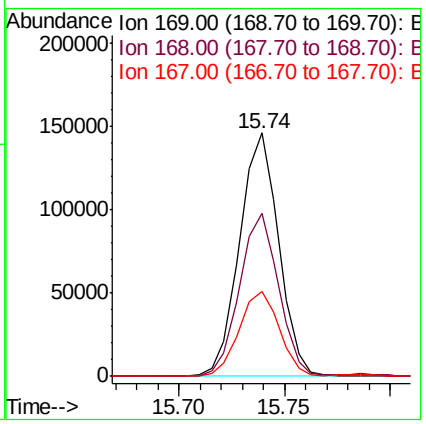




#65
N-Nitrosodiphenylamine
Concen: 3.870 ng/ul
RT: 15.74 min Scan# 2168
Delta R.T. 0.00 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:169 Resp: 188400

Ion	Ratio	Lower	Upper
169	100		
168	66.7	53.5	80.3
167	35.1	29.5	44.3



Instrument :
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ClientSampleId :
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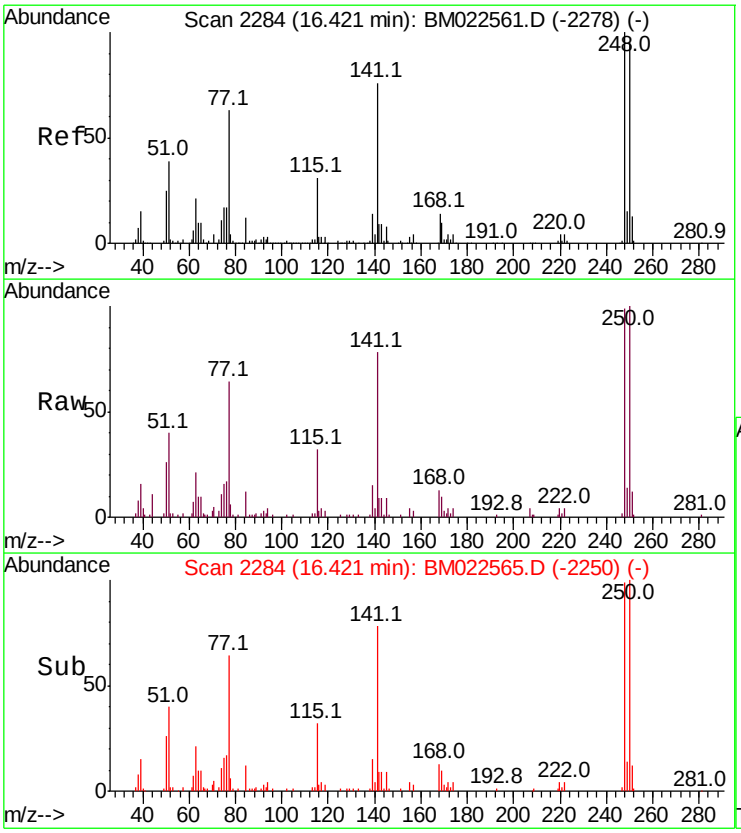
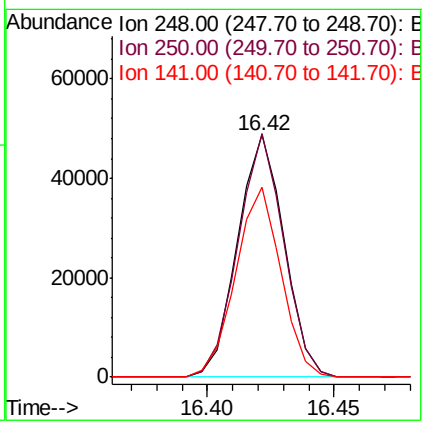
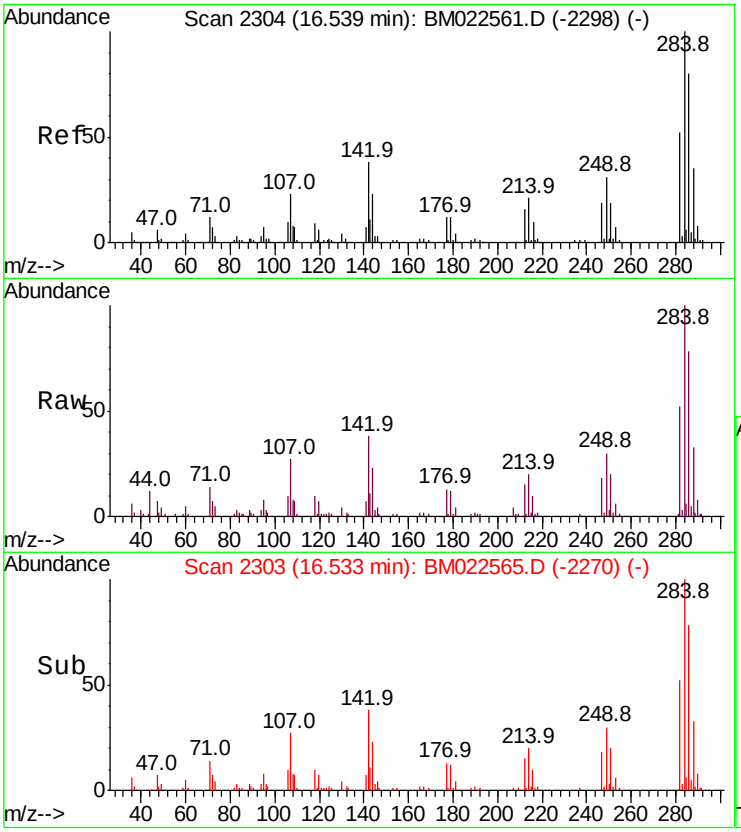


#66
4-Bromophenyl-phenylether
Concen: 3.505 ng/ul
RT: 16.42 min Scan# 2284
Delta R.T. 0.00 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:248 Resp: 62474

Ion	Ratio	Lower	Upper
248	100		
250	100.5	76.3	114.5
141	78.3	57.0	85.4

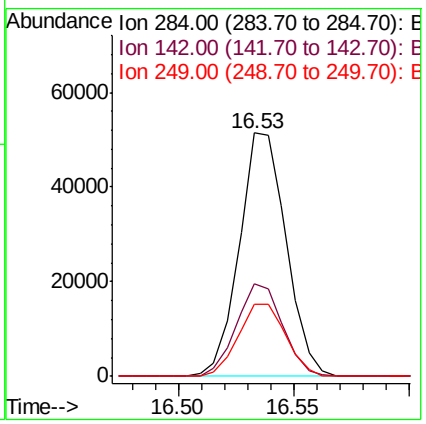




#67
Hexachlorobenzene
Concen: 3.709 ng/ul
RT: 16.53 min Scan# 2303
Delta R.T. -0.01 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:284 Resp: 72853

Ion	Ratio	Lower	Upper
284	100		
142	37.9	29.3	43.9
249	29.7	24.7	37.1



Instrument :
BNA_M
ClientSampleId :
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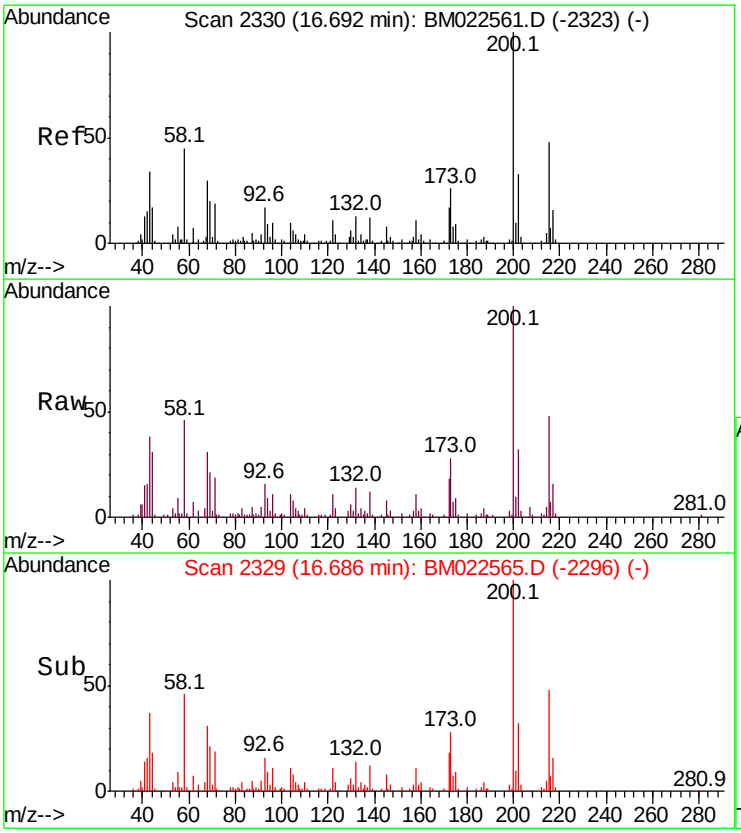
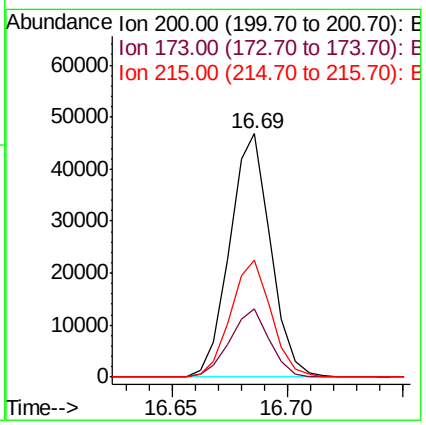
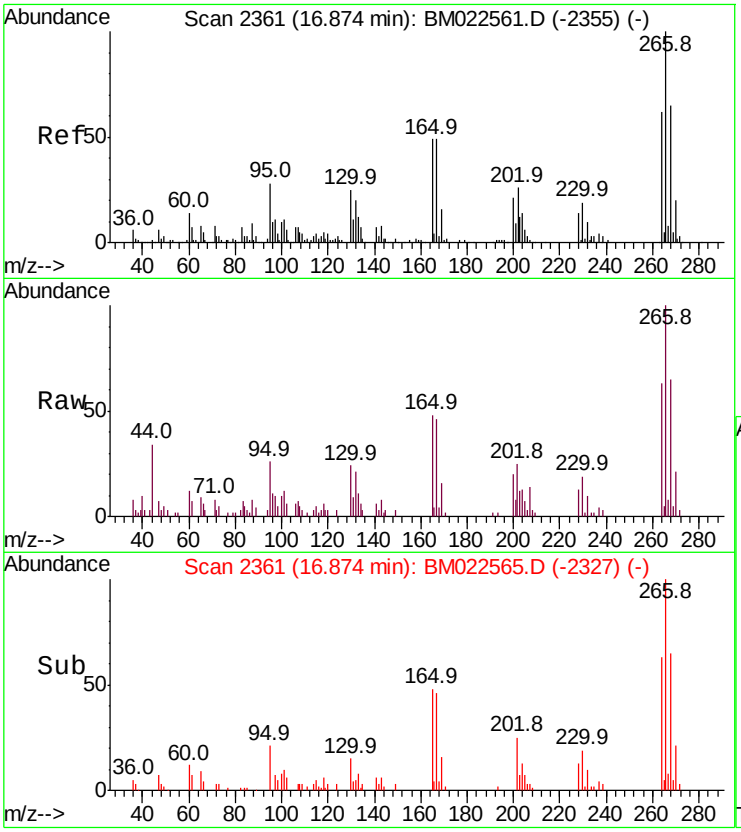


#68
Atrazine
Concen: 3.088 ng/ul
RT: 16.69 min Scan# 2329
Delta R.T. -0.01 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:200 Resp: 57787

Ion	Ratio	Lower	Upper
200	100		
173	28.0	21.6	32.4
215	48.0	39.0	58.4

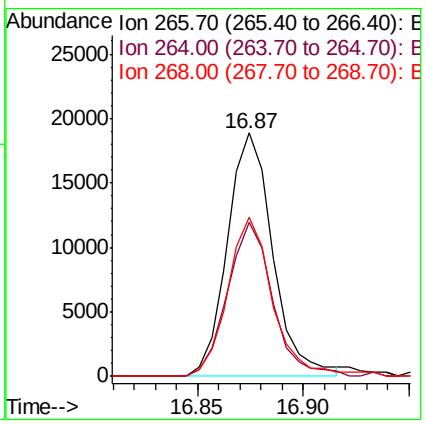




#69
Pentachlorophenol
Concen: 2.598 ng/ul
RT: 16.87 min Scan# 2361
Delta R.T. 0.00 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:266 Resp: 28157

Ion	Ratio	Lower	Upper
266	100		
264	63.3	50.8	76.2
268	65.4	50.9	76.3



Instrument :
BNA_M
ClientSampleId :
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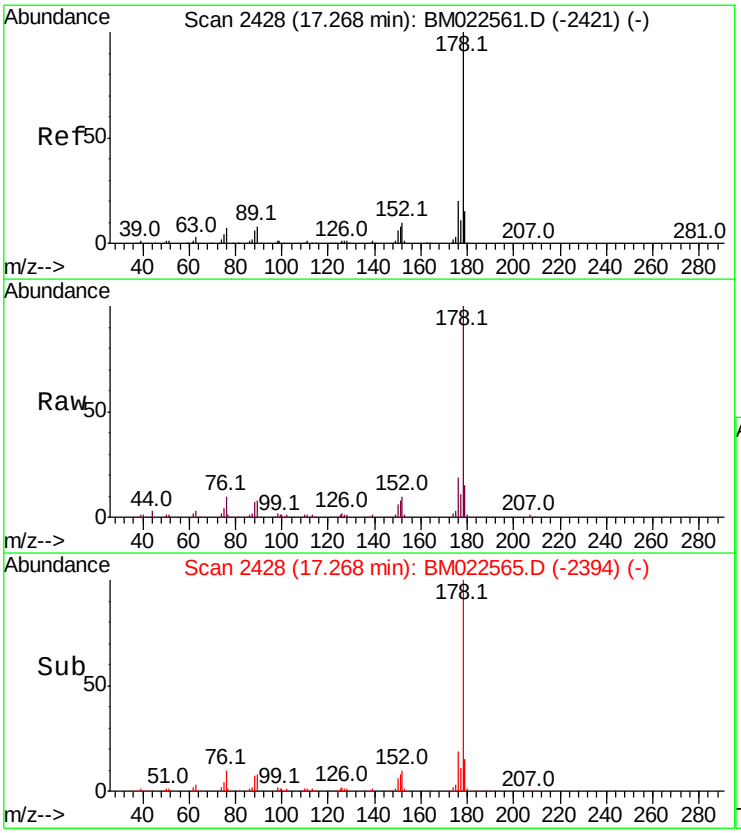
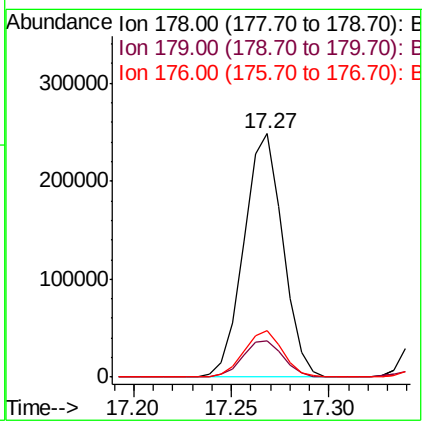
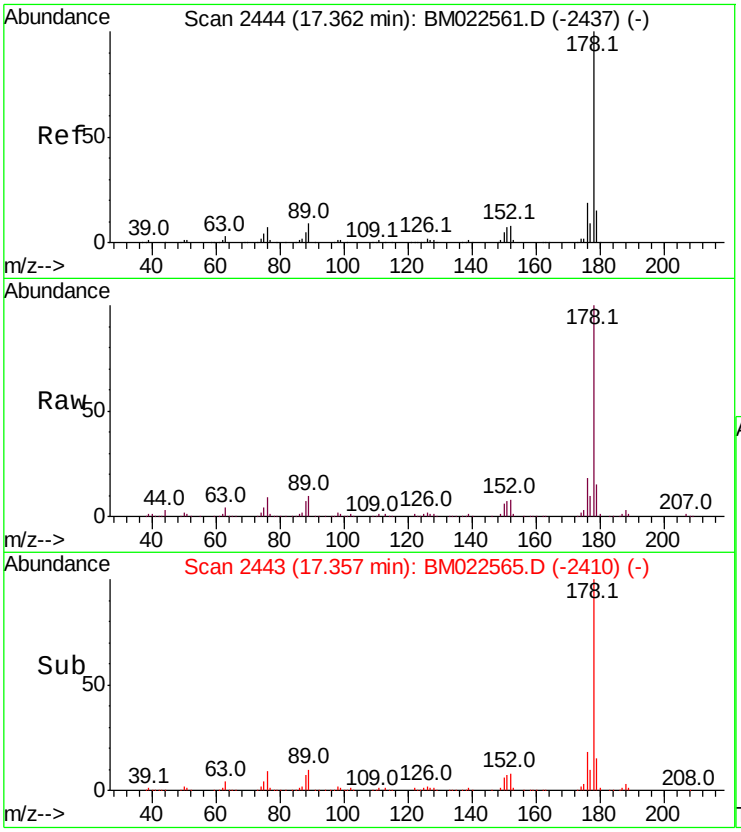


#70
Phenanthrene
Concen: 3.942 ng/ul
RT: 17.27 min Scan# 2428
Delta R.T. 0.00 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:178 Resp: 344327

Ion	Ratio	Lower	Upper
178	100		
179	14.9	12.0	18.0
176	19.1	15.4	23.0

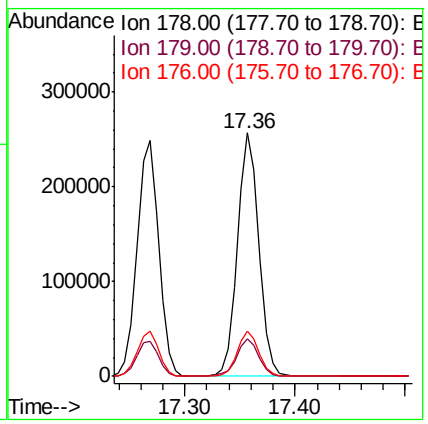




#72
Anthracene
Concen: 3.910 ng/ul
RT: 17.36 min Scan# 2443
Delta R.T. -0.01 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:178 Resp: 350836

Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.3	18.5
176	18.5	14.7	22.1



Instrument :
BNA_M
ClientSampleId :
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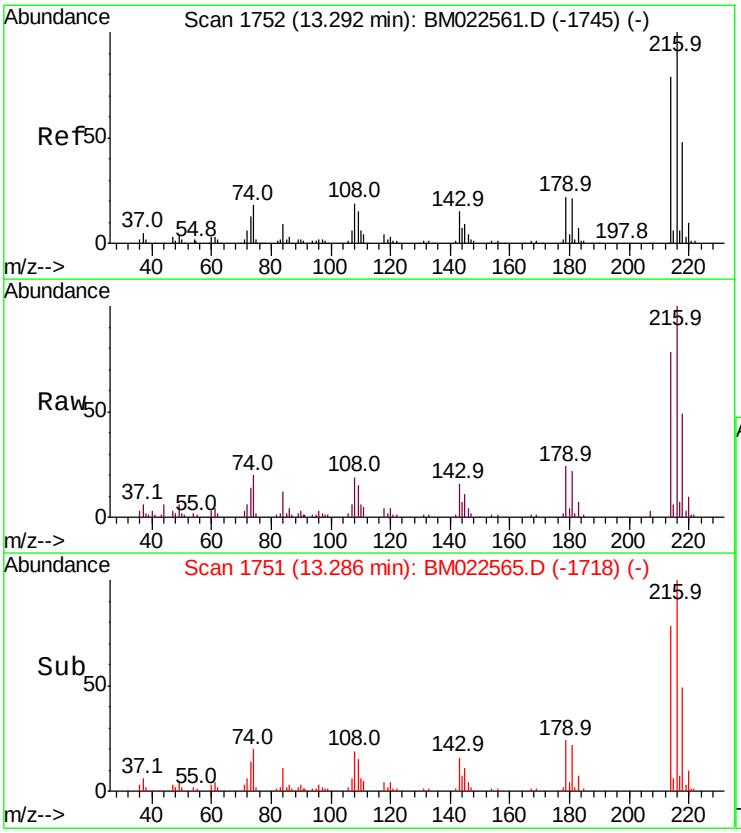
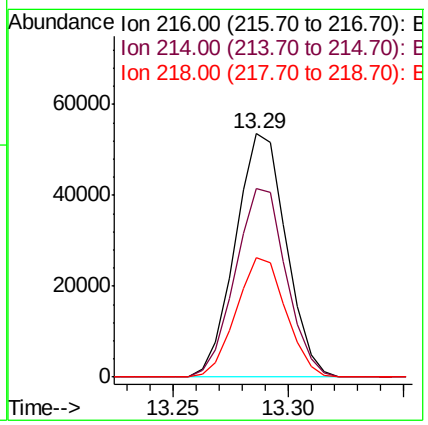
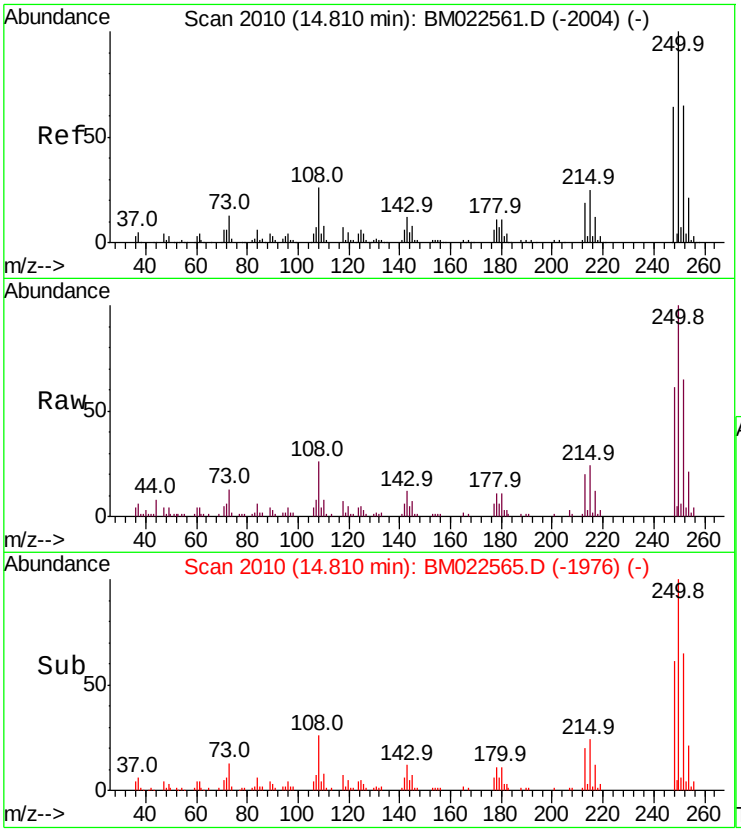


#73
1,2,3,4-Tetrachlorobenzene
Concen: 3.701 ng/uL
RT: 13.29 min Scan# 1751
Delta R.T. -0.01 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:216 Resp: 82194

Ion	Ratio	Lower	Upper
216	100		
214	77.6	62.5	93.7
218	48.9	38.2	57.4

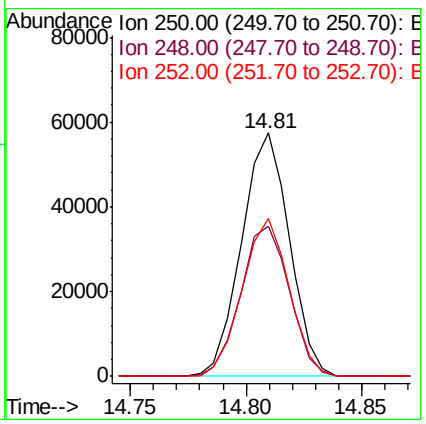




#74
Pentachlorobenzene
Concen: 3.712 ng/uL
RT: 14.81 min Scan# 2010
Delta R.T. 0.00 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:250 Resp: 83095

Ion	Ratio	Lower	Upper
250	100		
248	61.5	51.3	76.9
252	64.7	51.1	76.7



Instrument :
BNA_M
ClientSampleId :
MDL-S-03

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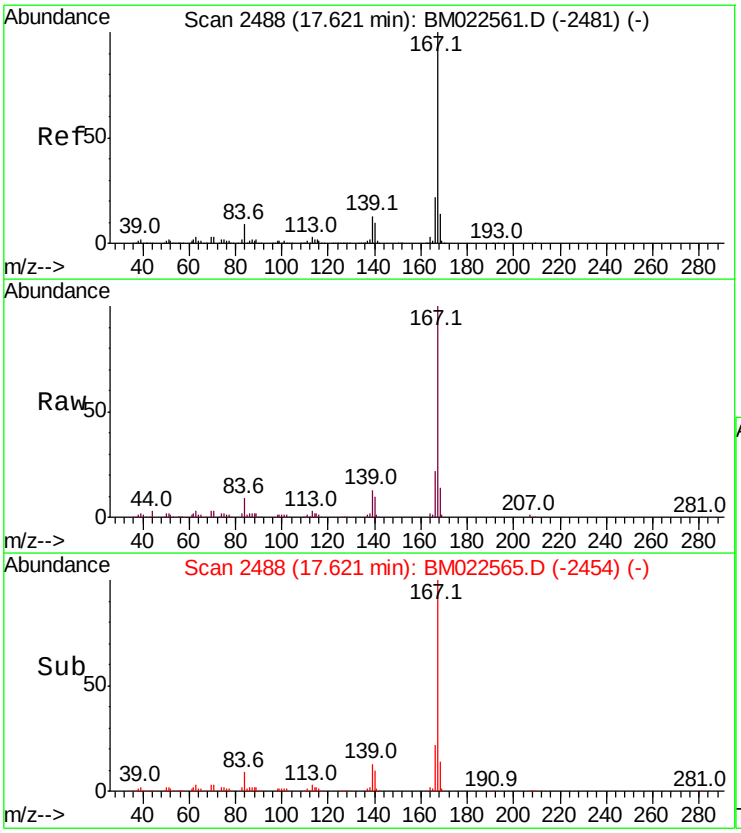
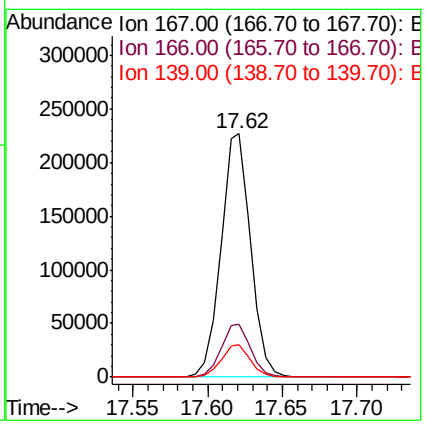
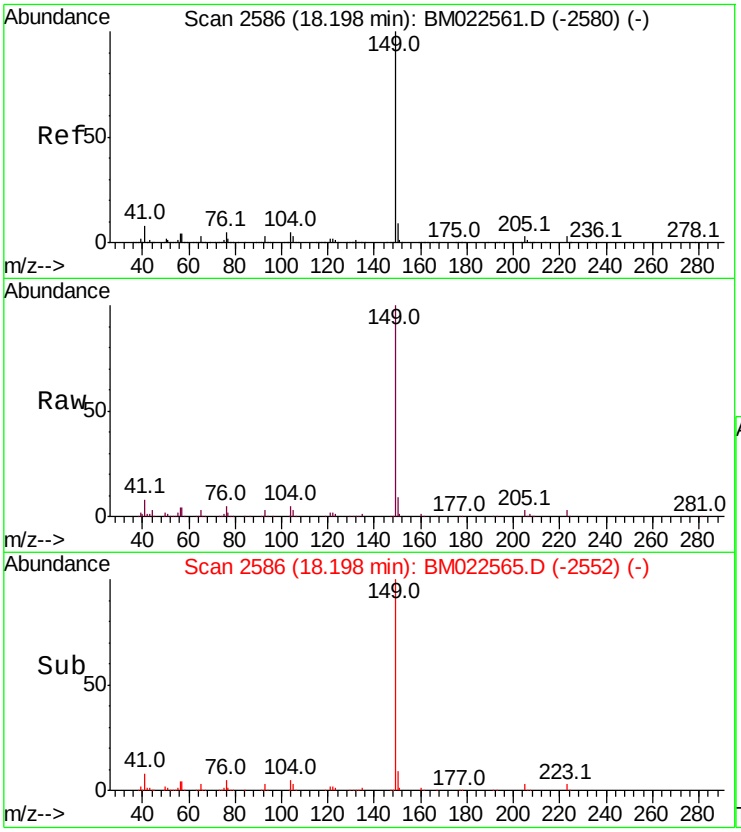


#75
Carbazole
Concen: 3.912 ng/ul
RT: 17.62 min Scan# 2488
Delta R.T. 0.00 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:167 Resp: 315466

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.4	26.0
139	13.2	10.6	15.8

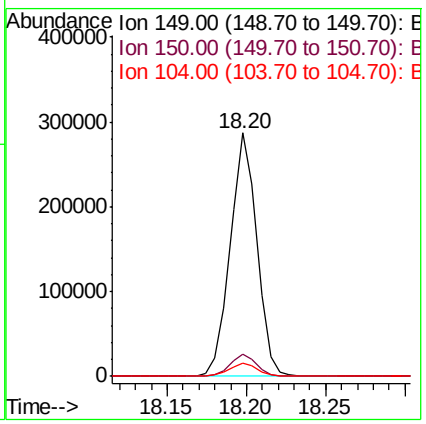




#76
Di-n-butylphthalate
Concen: 3.257 ng/ul
RT: 18.20 min Scan# 2586
Delta R.T. 0.00 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:149 Resp: 332692

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.3	10.9
104	5.3	3.9	5.9



Instrument :
BNA_M
ClientSampleId :
MDL-S-03

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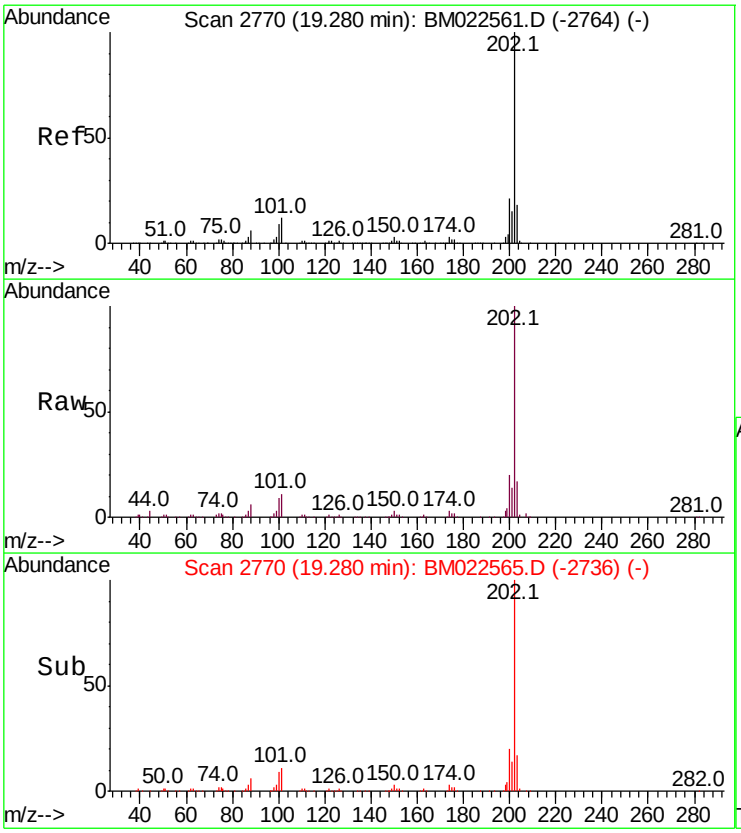
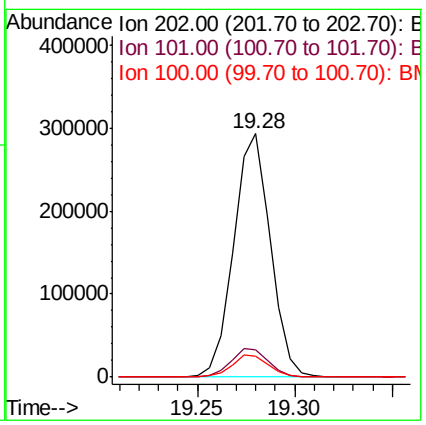
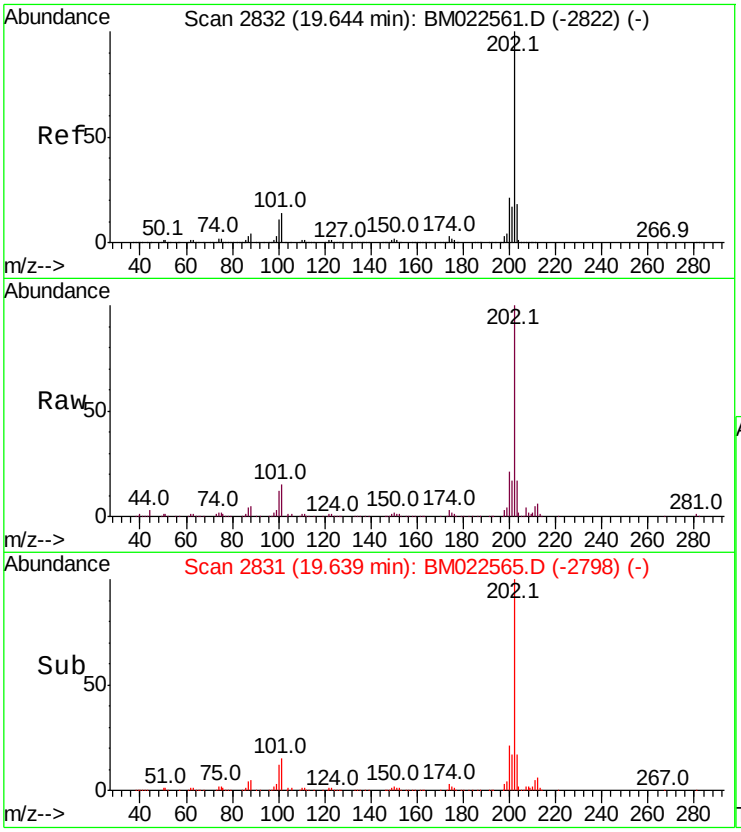


#77
Fluoranthene
Concen: 3.854 ng/ul
RT: 19.28 min Scan# 2770
Delta R.T. 0.00 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:202 Resp: 382056

Ion	Ratio	Lower	Upper
202	100		
101	11.3	8.8	13.2
100	8.7	6.3	9.5

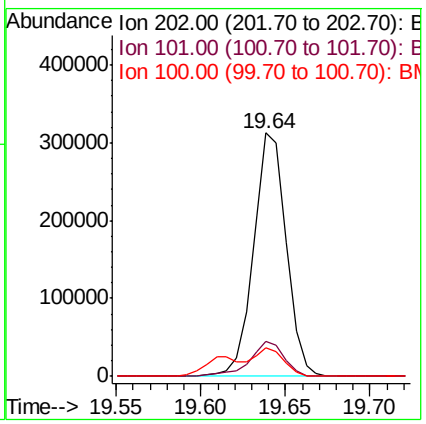




#80
Pyrene
Concen: 3.864 ng/ul
RT: 19.64 min Scan# 2831
Delta R.T. -0.01 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:202 Resp: 417685

Ion	Ratio	Lower	Upper
202	100		
101	14.5	10.6	16.0
100	11.9	8.6	13.0



Instrument :
BNA_M
ClientSampleId :
MDL-S-03

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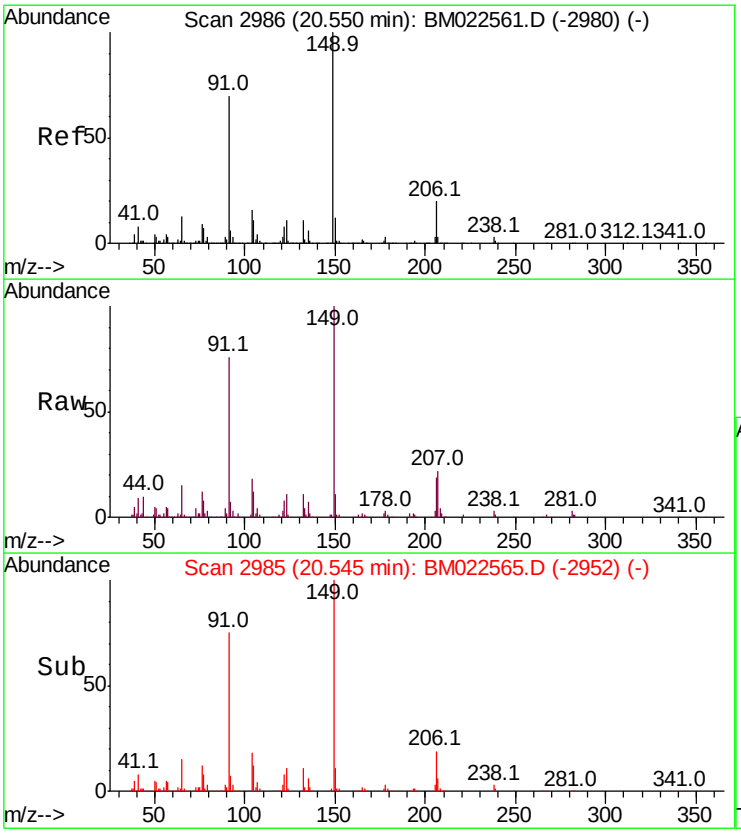
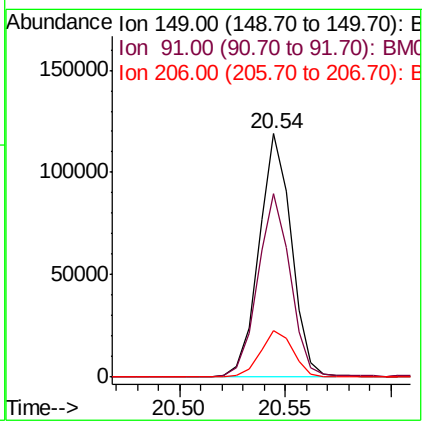
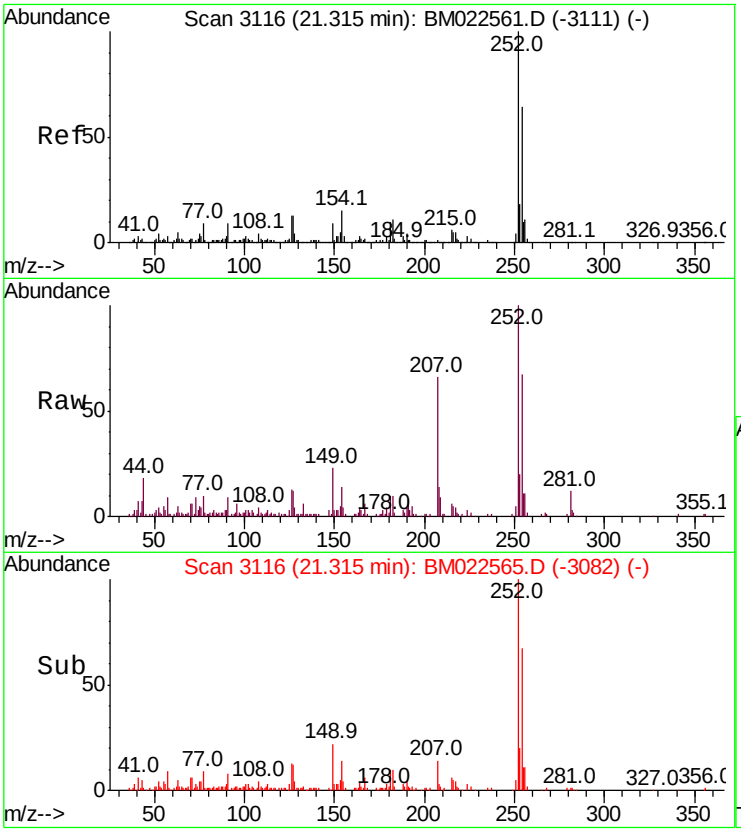


#81
Butylbenzylphthalate
Concen: 2.784 ng/ul
RT: 20.54 min Scan# 2985
Delta R.T. -0.01 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:149 Resp: 126875

Ion	Ratio	Lower	Upper
149	100		
91	75.5	55.4	83.0
206	19.4	17.0	25.4

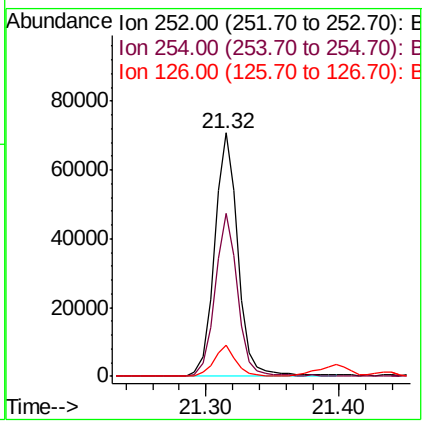




#82
3,3'-Dichlorobenzidine
Concen: 2.302 ng/ul
RT: 21.32 min Scan# 3116
Delta R.T. 0.00 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:252 Resp: 87431

Ion	Ratio	Lower	Upper
252	100		
254	66.9	51.2	76.8
126	12.5	8.6	13.0



Instrument :
BNA_M
ClientSampleId :
MDL-S-03

Manual Integrations APPROVED
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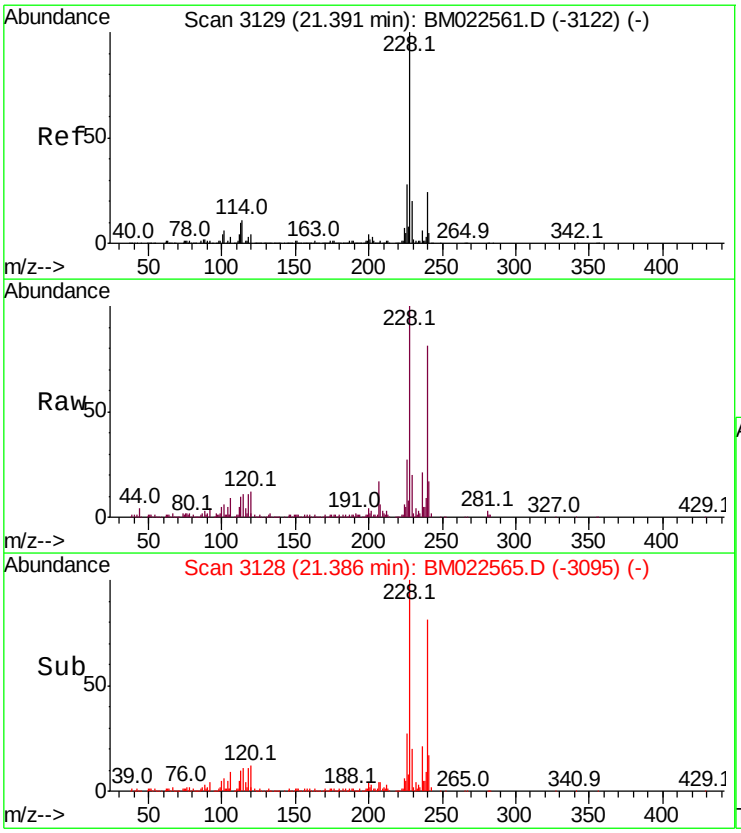
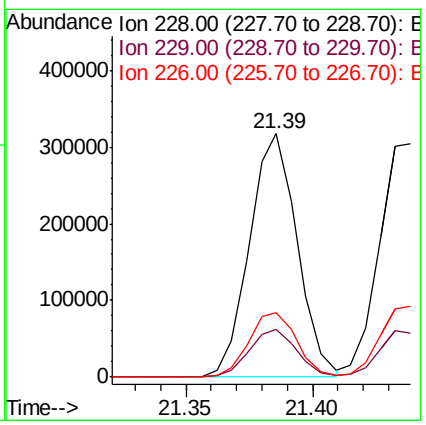
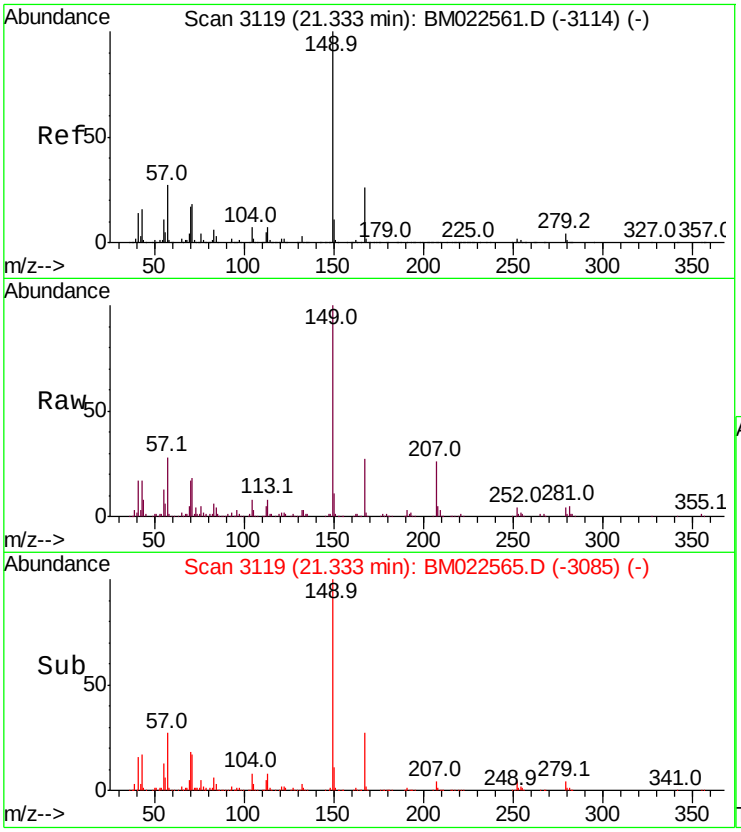


#83
Benzo(a)anthracene
Concen: 3.759 ng/ul
RT: 21.39 min Scan# 3128
Delta R.T. -0.01 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:228 Resp: 416514

Ion	Ratio	Lower	Upper
228	100		
229	19.9	15.7	23.5
226	26.6	22.2	33.2





#84
Bis(2-ethylhexyl)phthalate
Concen: 2.822 ng/ul
RT: 21.33 min Scan# 3119
Delta R.T. 0.00 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:149 Resp: 195152

Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.7	32.5
279	3.9	3.5	5.3

Instrument :
BNA_M
ClientSampleId :
MDL-S-03

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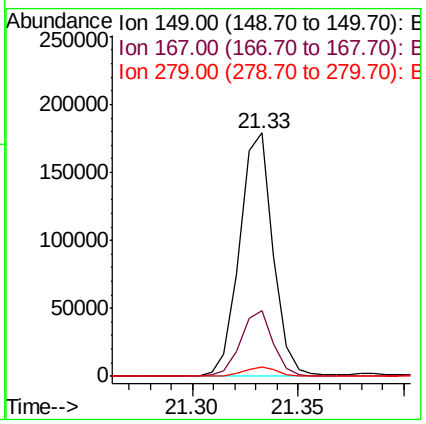
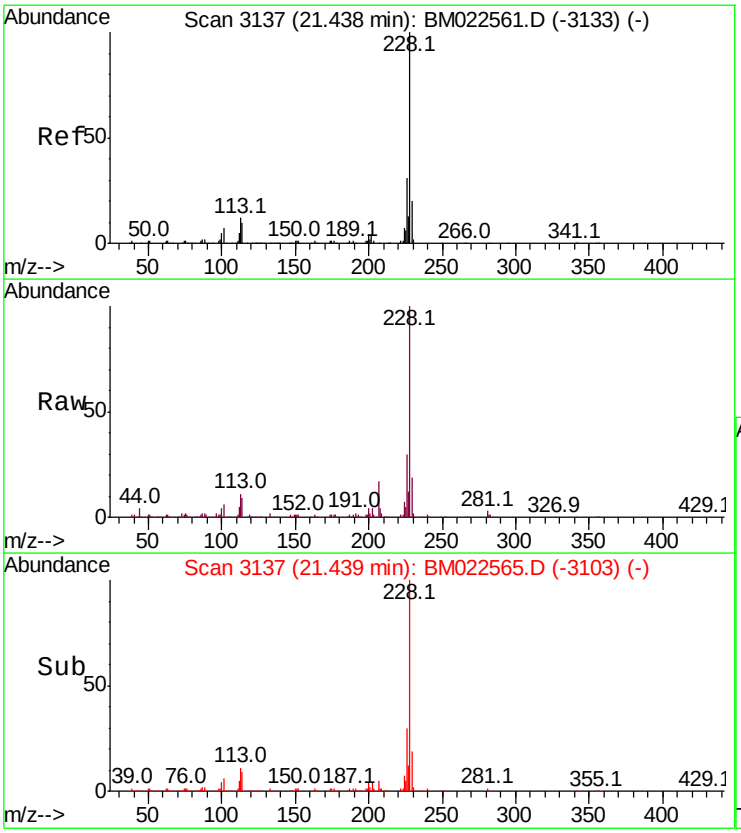
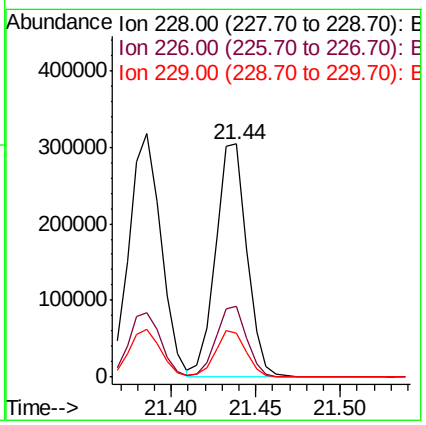


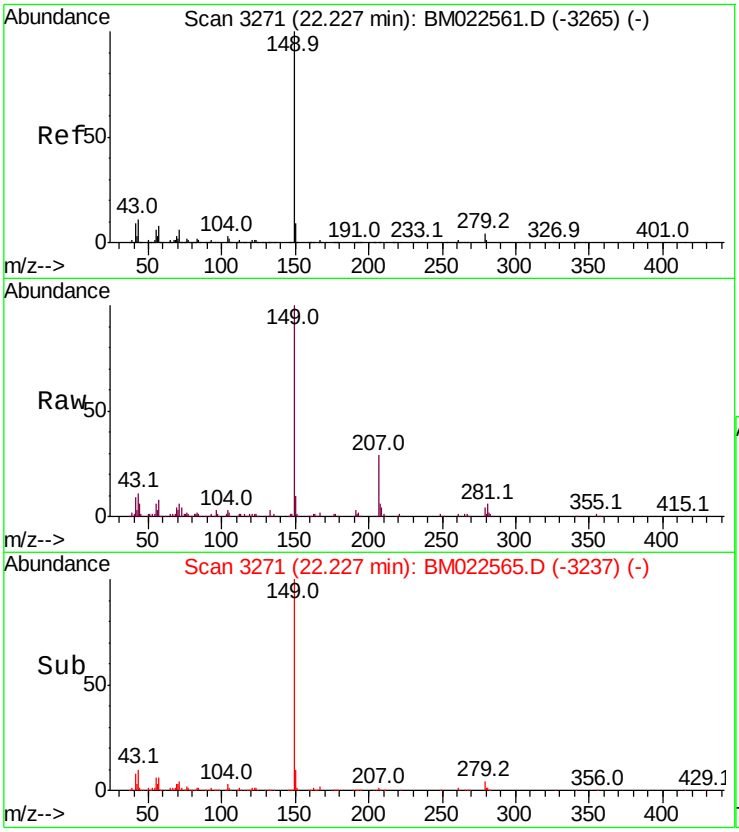


#85
Chrysene
Concen: 3.842 ng/ul
RT: 21.44 min Scan# 3137
Delta R.T. 0.00 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:228 Resp: 391732

Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.2	36.4
229	18.9	15.8	23.6





#87
Di-n-octyl phthalate
Concen: 2.491 ng/ul
RT: 22.23 min Scan# 3271
Delta R.T. 0.00 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:149 Resp: 306366

Instrument :
BNA_M
ClientSampleId :
MDL-S-03

Manual Integrations APPROVED
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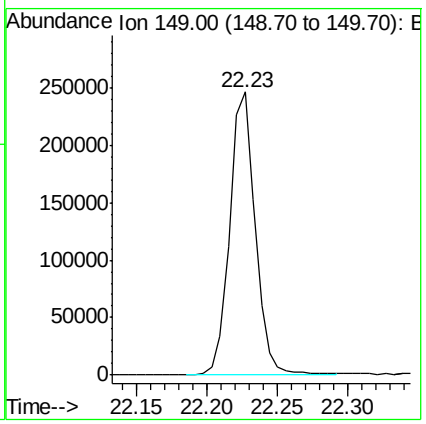
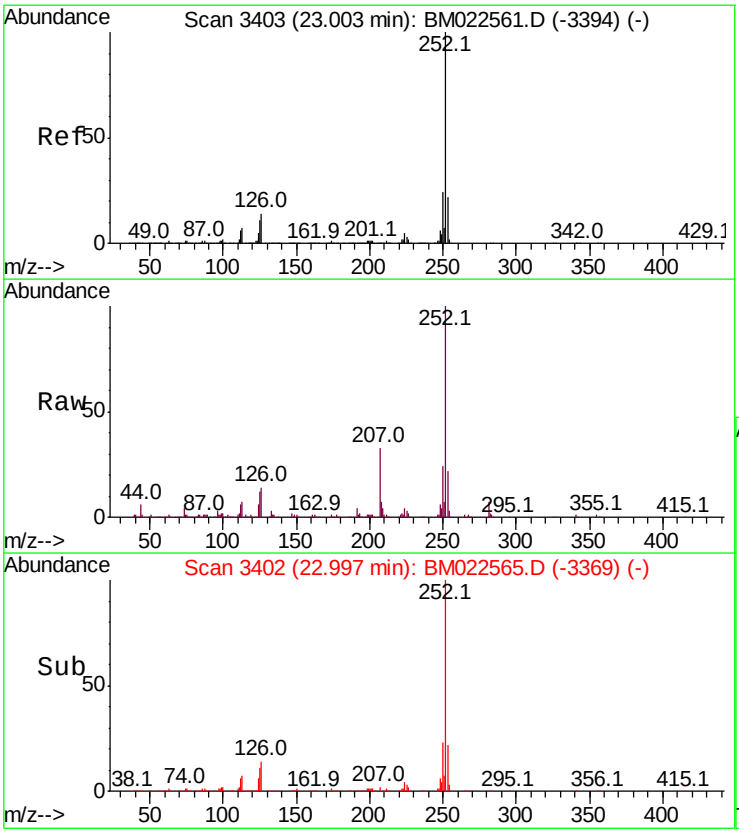
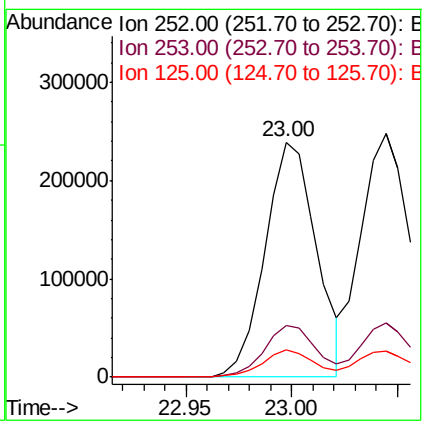


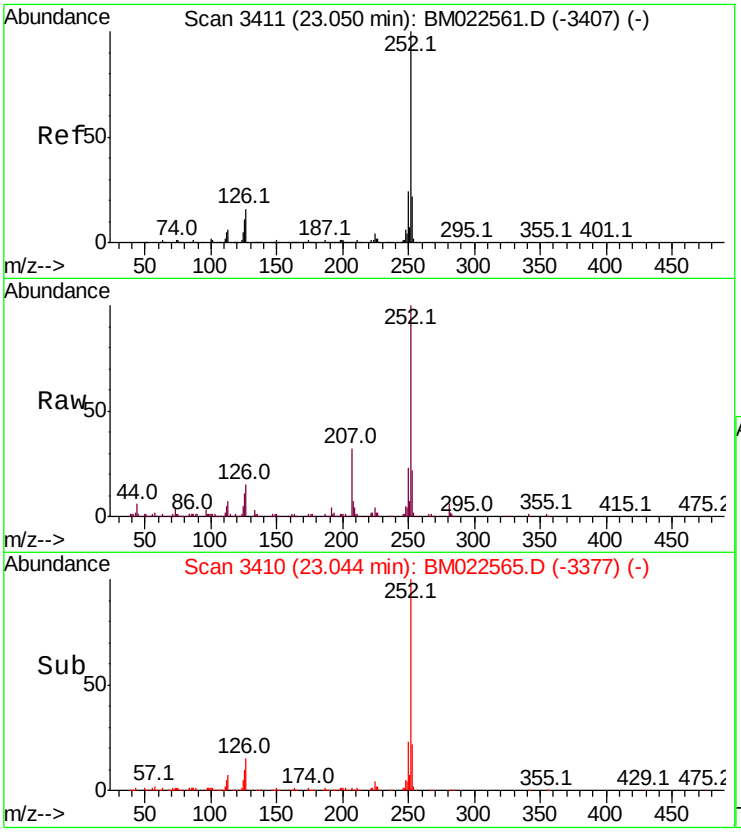


#88
Benzo(b)fluoranthene
Concen: 3.592 ng/ul
RT: 23.00 min Scan# 3402
Delta R.T. -0.01 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:252 Resp: 406038

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.6
125	11.6	8.0	12.0

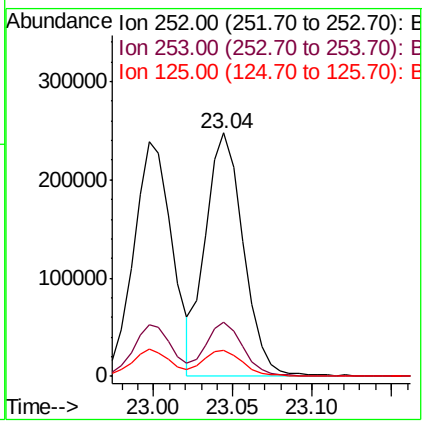




#89
Benzo(k)fluoranthene
Concen: 3.729 ng/ul
RT: 23.04 min Scan# 3410
Delta R.T. -0.01 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:252 Resp: 409649

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.4	26.2
125	10.5	8.2	12.2



Instrument :
BNA_M
ClientSampleId :
MDL-S-03

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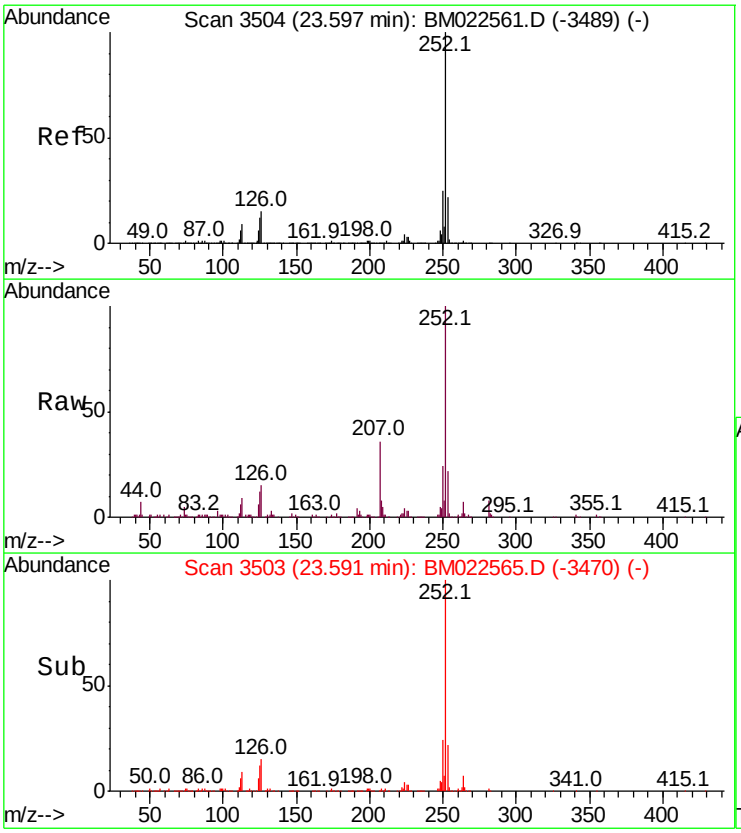
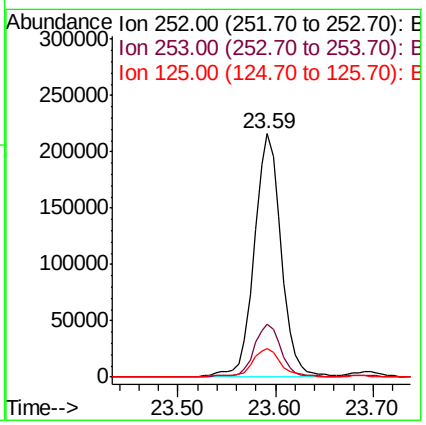
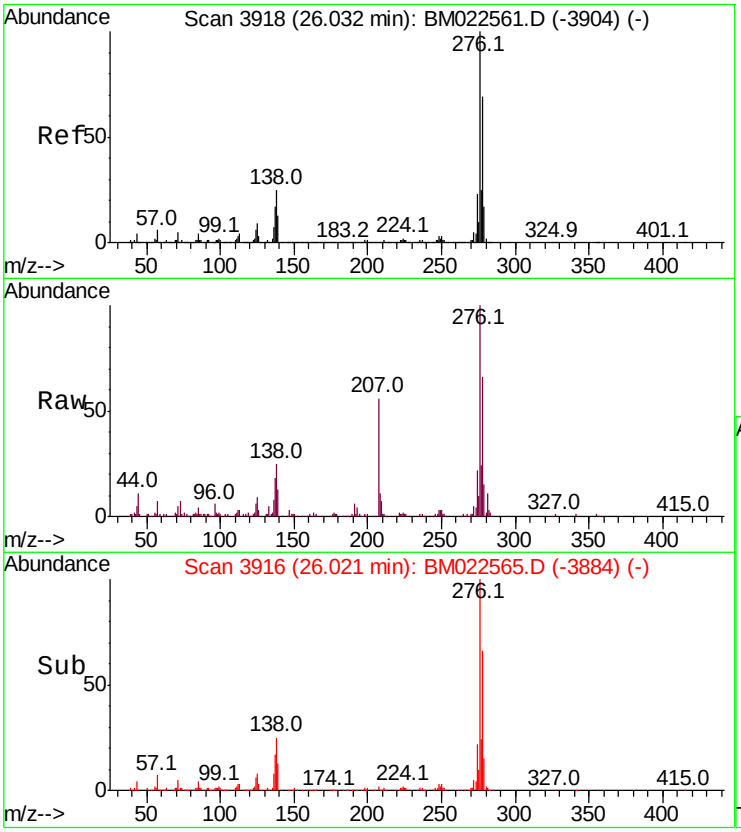


#91
Benzo(a)pyrene
Concen: 3.877 ng/ul
RT: 23.59 min Scan# 3503
Delta R.T. -0.01 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:252 Resp: 418206

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.5	26.3
125	12.0	8.9	13.3

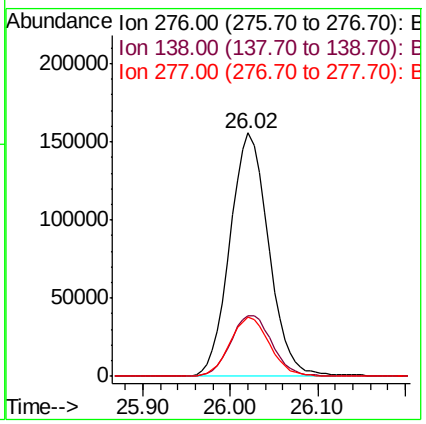




#92
Indeno(1,2,3-cd)pyrene
Concen: 3.770 ng/ul
RT: 26.02 min Scan# 3916
Delta R.T. -0.01 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:276 Resp: 469751

Ion	Ratio	Lower	Upper
276	100		
138	25.1	19.2	28.8
277	24.2	19.8	29.8



Instrument :
BNA_M
ClientSampleId :
MDL-S-03

Manual Integrations APPROVED
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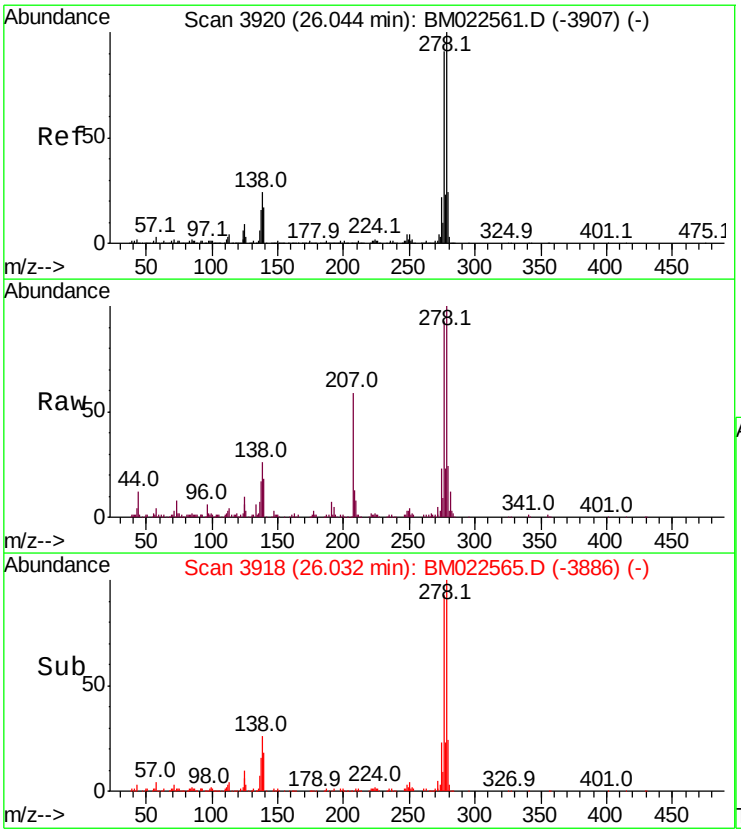
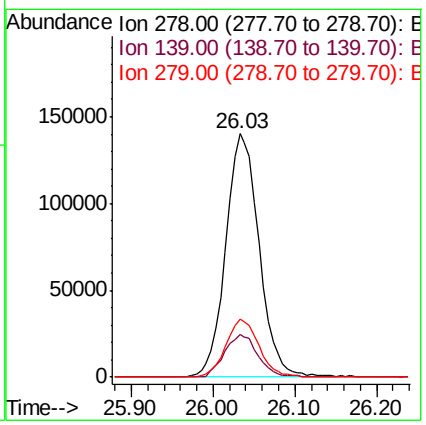
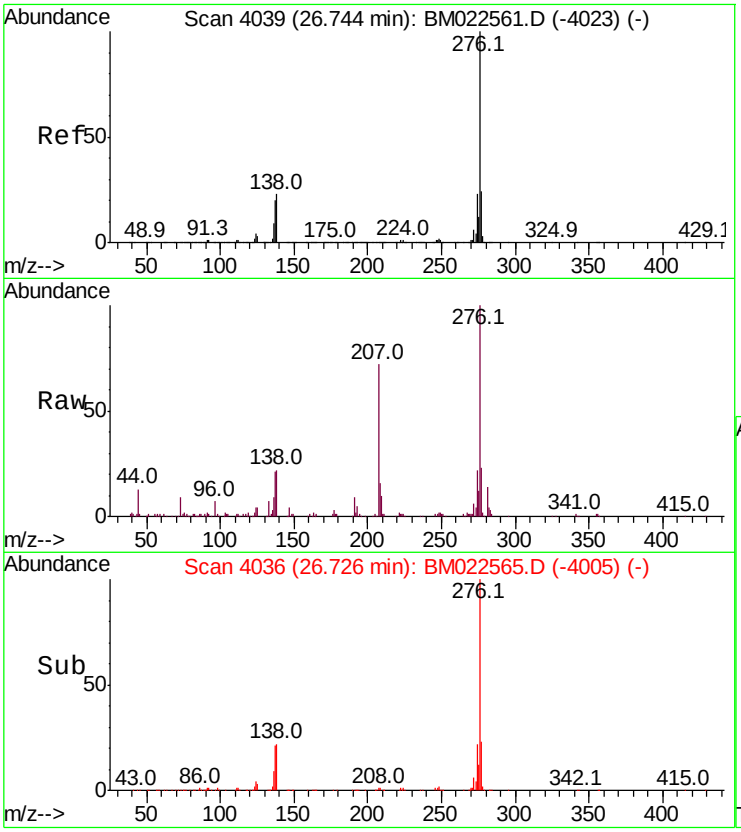


#93
Dibenzo(a,h)anthracene
Concen: 3.841 ng/ul
RT: 26.03 min Scan# 3918
Delta R.T. -0.01 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:278 Resp: 398277

Ion	Ratio	Lower	Upper
278	100		
139	17.7	13.3	19.9
279	23.6	19.2	28.8

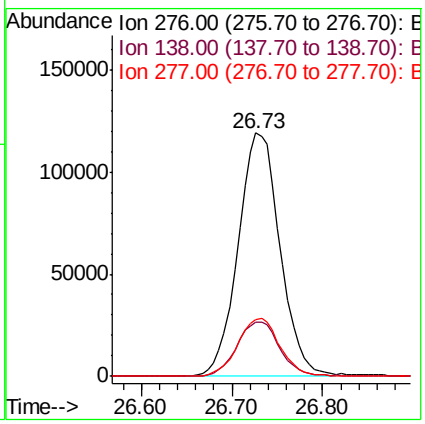




#94
Benzo(g,h,i)perylene
Concen: 3.726 ng/ul
RT: 26.73 min Scan# 4036
Delta R.T. -0.02 min
Lab File: BM022565.D
Acq: 06 Sep 2019 23:02

Tgt Ion:276 Resp: 381381

Ion	Ratio	Lower	Upper
276	100		
138	22.0	17.0	25.6
277	23.2	18.8	28.2



Instrument :
BNA_M
ClientSampleId :
MDL-S-03

Manual Integrations APPROVED
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Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090619\
Data File : BM022565.D
Acq On : 06 Sep 2019 23:02
Operator : HP/JU
Sample : MDL-S-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 08 01:44:43 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

Instrument : BNA_M
ClientSampleId : MDL-S-03

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.86	152	239037	20.00	ng/ul	0.00
18) Naphthalene-d8	10.65	136	1088070	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.49	164	692981	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.23	188	1426574	20.00	ng/ul	0.00
78) Chrysene-d12	21.40	240	1493560	20.00	ng/ul	0.00
86) Perylene-d12	23.69	264	1718330	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.30	96	9946	1.73	ng/uL	0.00
5) Phenol-d5	7.01	99	618437	28.05	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.19	67	380834	30.14	ng/ul	0.00
9) 2-Chlorophenol-d4	7.39	132	493246	28.32	ng/ul	0.00
13) 4-Methylphenol-d8	8.55	113	505825	28.22	ng/ul	0.00
19) Nitrobenzene-d5	9.01	128	237511	30.25	ng/ul	0.00
22) 2-Nitrophenol-d4	9.73	143	213957	29.56	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.27	165	470734	25.61	ng/ul	0.00
29) 4-Chloroaniline-d4	10.78	131	722329	29.75	ng/ul	0.00
44) Dimethylphthalate-d6	13.90	166	1618966	28.83	ng/ul	0.00
47) Acenaphthylene-d8	14.18	160	2018292	30.02	ng/ul	0.00
52) 4-Nitrophenol-d4	14.66	143	274324	28.60	ng/ul	0.00
58) Fluorene-d10	15.48	176	1363910	29.01	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.59	200	157756	24.33	ng/ul	0.00
71) Anthracene-d10	17.32	188	2133943	29.20	ng/ul	0.00
79) Pyrene-d10	19.62	212	2351042	28.37	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.55	264	2606130	28.22	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.34	88	9194	1.593	ng/uL#	91
4) Benzaldehyde	6.99	77	37213	3.232	ng/ul	94
6) Phenol	7.04	94	87629	3.803	ng/ul	99
8) Bis(2-Chloroethyl)ether	7.28	93	70094	4.006	ng/ul	99
10) 2-Chlorophenol	7.42	128	69692	3.807	ng/ul	99
11) 2-Methylphenol	8.29	108	62405	3.471	ng/ul	99
12) 2,2'-oxybis(1-Chloropropan	8.39	45	108233	4.206	ng/ul	98
14) Acetophenone	8.67	105	114626	4.098	ng/ul	99
15) N-Nitroso-di-n-propylamine	8.66	70	57085	3.778	ng/ul	96
16) 4-Methylphenol	8.62	108	71697	3.693	ng/ul	94
17) Hexachloroethane	8.95	117	28230	3.893	ng/ul	96
20) Nitrobenzene	9.05	77	83214	4.237	ng/ul	99
21) Isophorone	9.58	82	159143	3.616	ng/ul	100
23) 2-Nitrophenol	9.76	139	33890	3.945	ng/ul	99
24) 2,4-Dimethylphenol	9.82	107	78390	3.639	ng/ul	99
25) Bis(2-Chloroethoxy)methane	10.06	93	97897	3.794	ng/ul	99
27) 2,4-Dichlorophenol	10.29	162	65716	3.622	ng/ul	93
28) Naphthalene	10.70	128	236262	3.916	ng/ul	100
30) 4-Chloroaniline	10.80	127	95182	3.817	ng/ul	98
31) Hexachlorobutadiene	11.00	225	41056	3.673	ng/ul	96
32) Caprolactam	11.58	113	20192m	2.990	ng/ul	
33) 4-Chloro-3-methylphenol	11.92	107	68026	3.397	ng/ul	99
34) 2-Methylnaphthalene	12.32	142	172234	3.790	ng/ul	98

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090619\
Data File : BM022565.D
Acq On : 06 Sep 2019 23:02
Operator : HP/JU
Sample : MDL-S-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
MDL-S-03

Manual Integrations APPROVED
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Quant Time: Sep 08 01:44:43 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	164075	3.778 ng/ul	96
37) 1,2,4,5-Tetrachlorobenzene	12.68	216	82023	3.668 ng/ul	97
38) Hexachlorocyclopentadiene	12.67	237	40113	2.910 ng/ul	98
39) 2,4,6-Trichlorophenol	12.92	196	44500	3.179 ng/ul	100
40) 2,4,5-Trichlorophenol	12.98	196	49542	3.264 ng/ul	99
41) 1,1'-Biphenyl	13.33	154	224963	3.898 ng/ul	99
42) 2-Chloronaphthalene	13.36	162	170496	3.902 ng/ul	99
43) 2-Nitroaniline	13.56	65	37234	3.650 ng/ul	94
45) Dimethylphthalate	13.94	163	223504	3.921 ng/ul	99
46) 2,6-Dinitrotoluene	14.05	165	30728	3.311 ng/ul	91
48) Acenaphthylene	14.21	152	274271	3.933 ng/ul	99
49) 3-Nitroaniline	14.37	138	32154	3.195 ng/ul	97
50) Acenaphthene	14.55	153	188150	3.893 ng/ul	97
51) 2,4-Dinitrophenol	14.58	184	14544	3.416 ng/ul#	82
53) 4-Nitrophenol	14.67	109	31575	4.097 ng/ul	89
54) Dibenzofuran	14.89	168	265990	3.966 ng/ul	99
55) 2,4-Dinitrotoluene	14.83	165	48447	3.564 ng/ul	93
56) 2,3,4,6-Tetrachlorophenol	15.11	232	38720	3.071 ng/ul	95
57) Diethylphthalate	15.31	149	217200	3.683 ng/ul	99
59) Fluorene	15.53	166	215414	3.904 ng/ul	99
60) 4-Chlorophenyl-phenylether	15.53	204	104231	3.817 ng/ul	96
61) 4-Nitroaniline	15.53	138	35862	3.127 ng/ul	97
64) 4,6-Dinitro-2-methylphenol	15.60	198	24761	3.300 ng/ul#	76
65) N-Nitrosodiphenylamine	15.74	169	188400	3.870 ng/ul	99
66) 4-Bromophenyl-phenylether	16.42	248	62474	3.505 ng/ul	93
67) Hexachlorobenzene	16.53	284	72853	3.709 ng/ul	98
68) Atrazine	16.69	200	57787	3.088 ng/ul	99
69) Pentachlorophenol	16.87	266	28157	2.598 ng/ul	99
70) Phenanthrene	17.27	178	344327	3.942 ng/ul	100
72) Anthracene	17.36	178	350836	3.910 ng/ul	100
73) 1,2,3,4-Tetrachlorobenzene	13.29	216	82194	3.701 ng/uL	99
74) Pentachlorobenzene	14.81	250	83095	3.712 ng/uL	98
75) Carbazole	17.62	167	315466	3.912 ng/ul	100
76) Di-n-butylphthalate	18.20	149	332692	3.257 ng/ul	100
77) Fluoranthene	19.28	202	382056	3.854 ng/ul	99
80) Pyrene	19.64	202	417685	3.864 ng/ul	97
81) Butylbenzylphthalate	20.54	149	126875	2.784 ng/ul	93
82) 3,3'-Dichlorobenzidine	21.32	252	87431	2.302 ng/ul	96
83) Benzo(a)anthracene	21.39	228	416514	3.759 ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.33	149	195152	2.822 ng/ul	99
85) Chrysene	21.44	228	391732	3.842 ng/ul	99
87) Di-n-octyl phthalate	22.23	149	306366	2.491 ng/ul	100
88) Benzo(b)fluoranthene	23.00	252	406038	3.592 ng/ul	98
89) Benzo(k)fluoranthene	23.04	252	409649	3.729 ng/ul	99
91) Benzo(a)pyrene	23.59	252	418206	3.877 ng/ul	99
92) Indeno(1,2,3-cd)pyrene	26.02	276	469751	3.770 ng/ul	98
93) Dibenzo(a,h)anthracene	26.03	278	398277	3.841 ng/ul	98
94) Benzo(g,h,i)perylene	26.73	276	381381	3.726 ng/ul	99

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM090619\
Data File : BM022565.D
Acq On : 06 Sep 2019 23:02
Operator : HP/JU
Sample : MDL-S-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 08 01:44:43 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

Instrument :
BNA_M
ClientSampleId :
MDL-S-03

Manual Integrations APPROVED
mohammad
9/9/2019 4:13:38 PM

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

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