Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091819\
Data File : BM022714.D
Acq On : 18 Sep 2019 13:45
Operator : HP/JU
Sample : MDL-S-ME-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 15:49:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090519MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Sep 18 15:34:25 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-03

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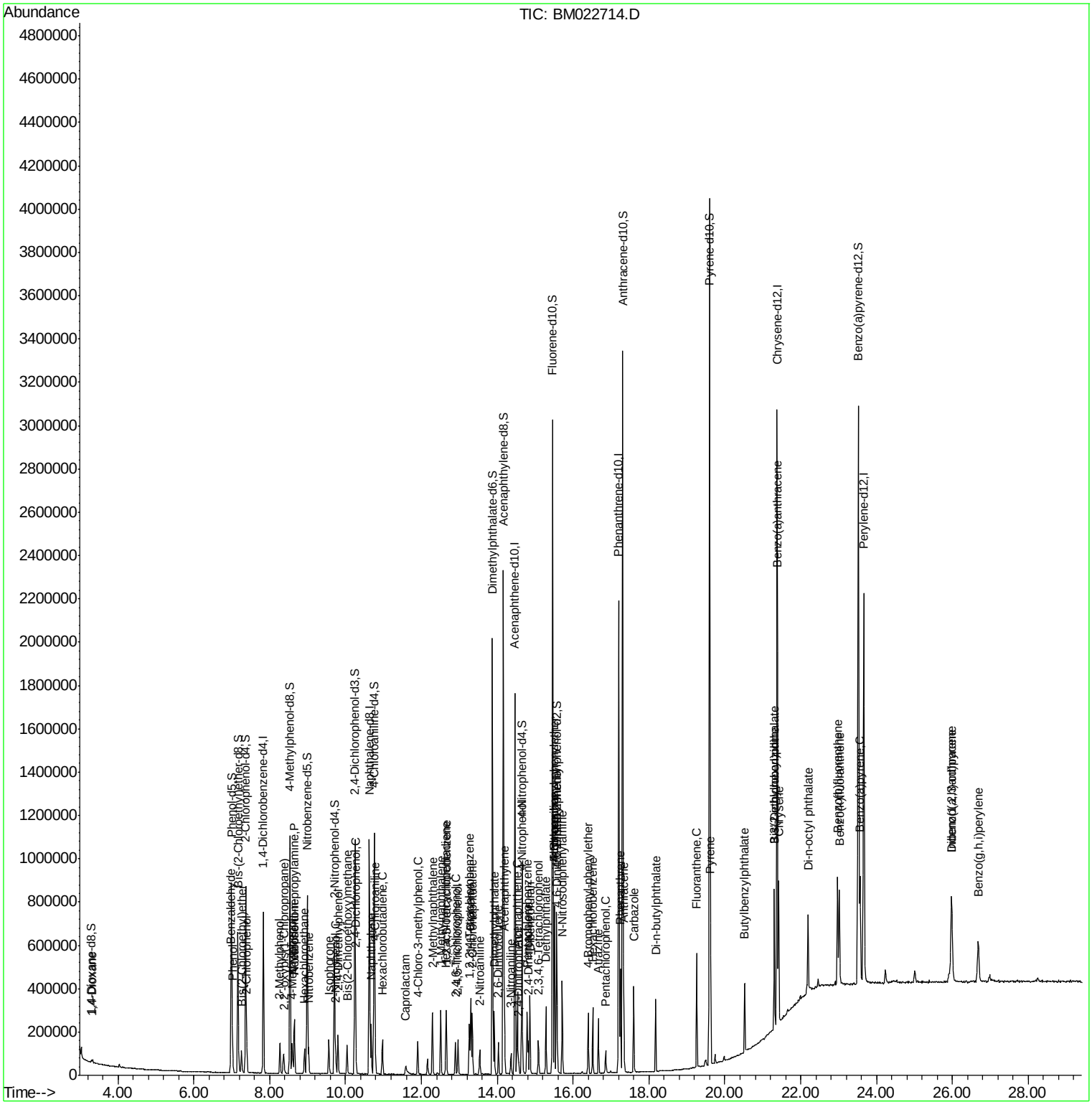
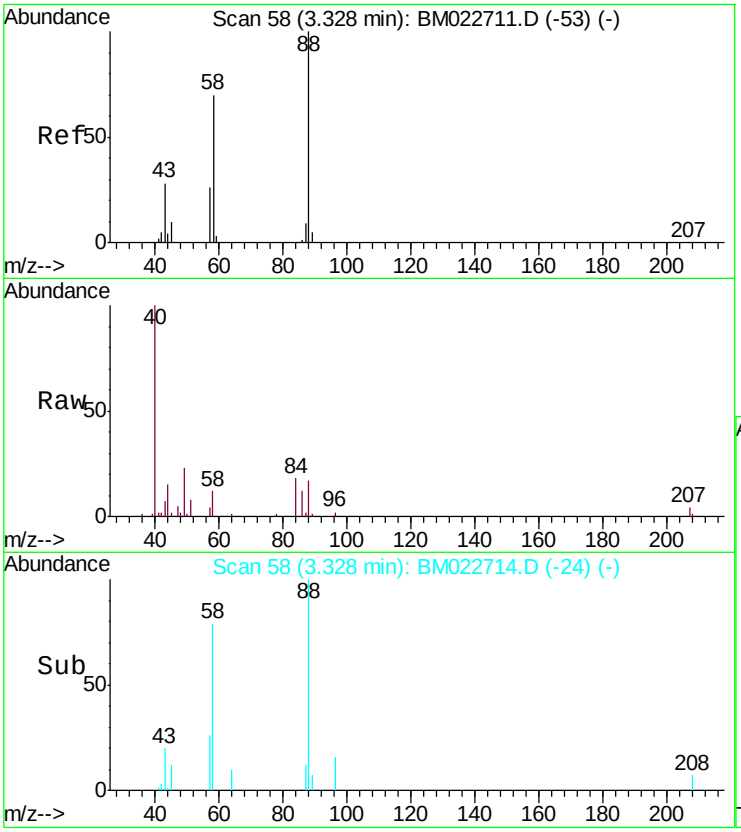
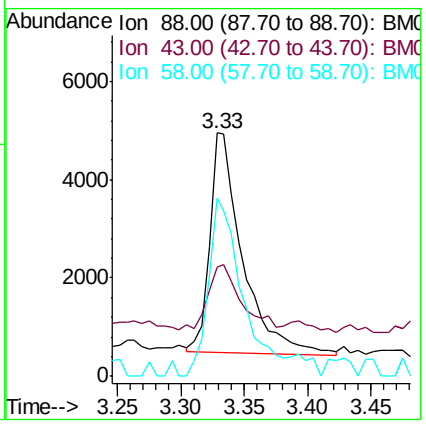




#2
1,4-Dioxane
Concen: 1.676 ng/uL
RT: 3.33 min Scan# 58
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion: 88 Resp: 8121

Ion	Ratio	Lower	Upper
88	100		
43	44.8	37.9	56.9
58	73.2	59.4	89.0



Instrument :
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ClientSampleId :
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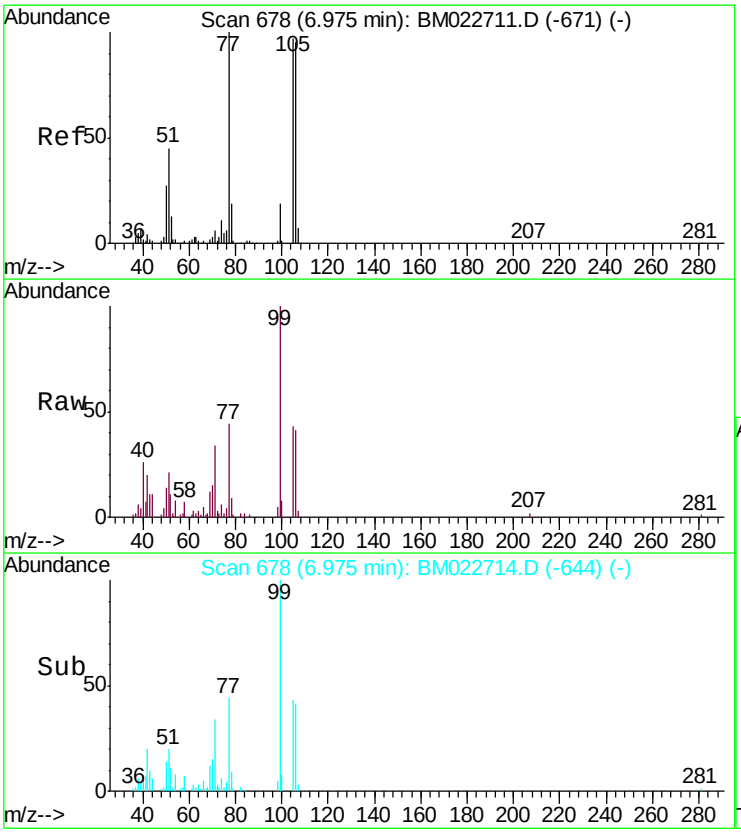
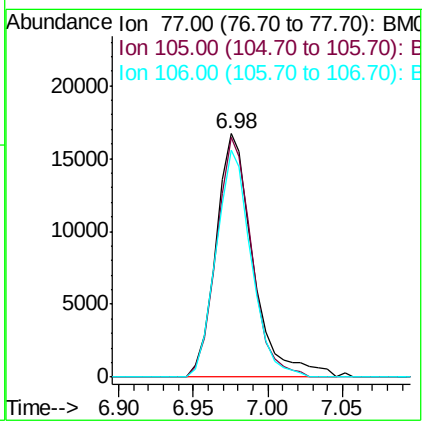
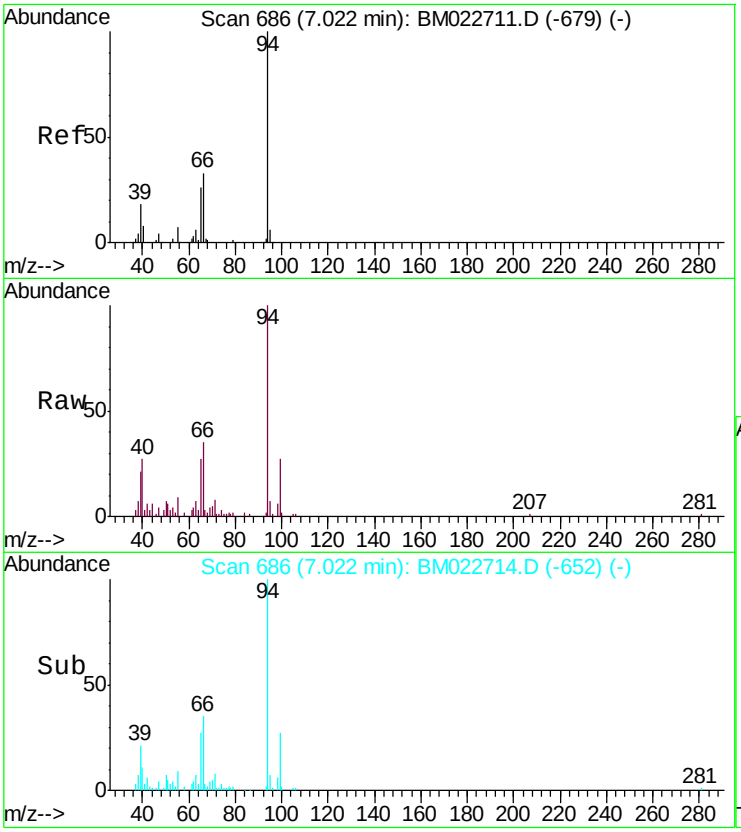


#4
Benzaldehyde
Concen: 3.038 ng/ul
RT: 6.98 min Scan# 678
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion: 77 Resp: 29359

Ion	Ratio	Lower	Upper
77	100		
105	98.3	79.0	118.6
106	93.4	75.1	112.7

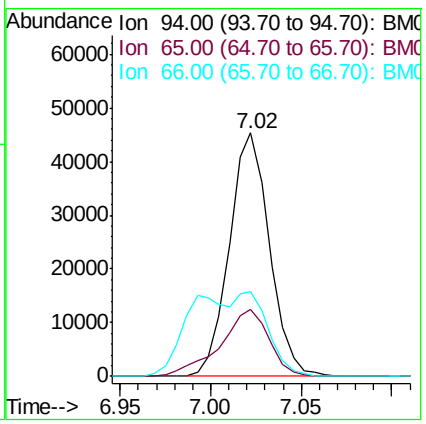




#6
Phenol
Concen: 3.604 ng/ul
RT: 7.02 min Scan# 686
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion: 94 Resp: 69689

Ion	Ratio	Lower	Upper
94	100		
65	27.3	22.8	34.2
66	34.6	29.1	43.7



Instrument :
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ClientSampleId :
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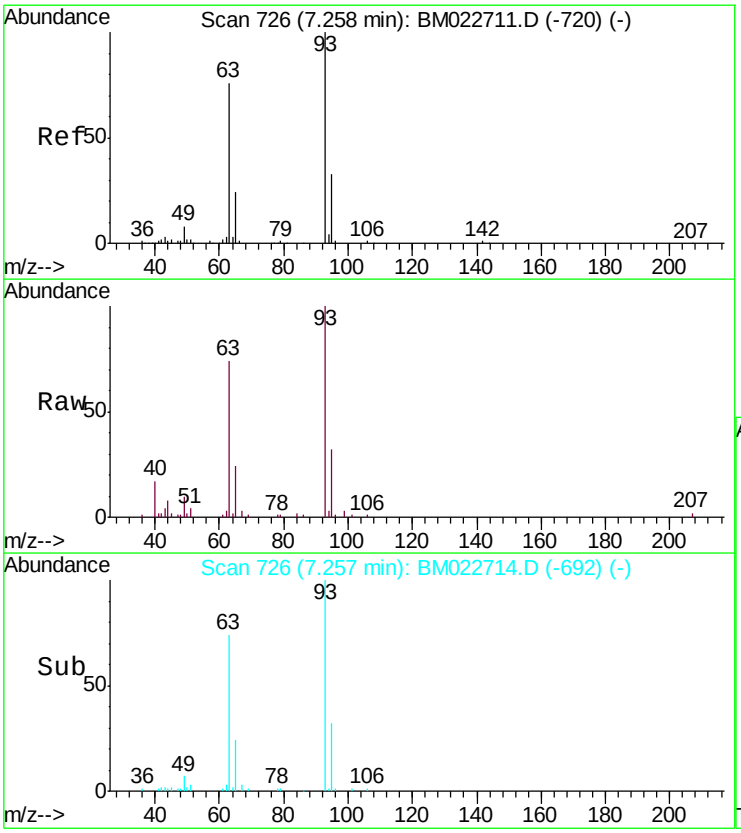
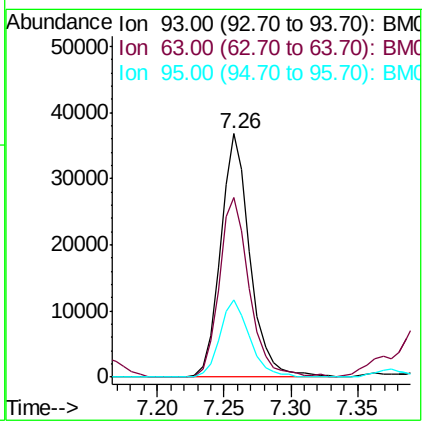
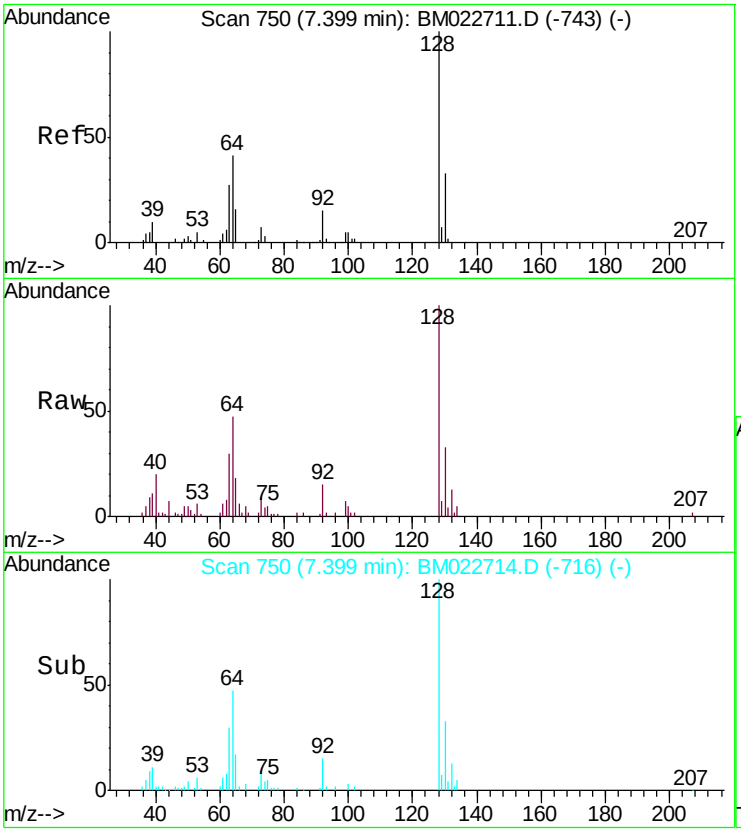


#8
Bis(2-Chloroethyl)ether
Concen: 3.883 ng/ul
RT: 7.26 min Scan# 726
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion: 93 Resp: 57038

Ion	Ratio	Lower	Upper
93	100		
63	73.9	62.2	93.2
95	31.6	26.6	39.8

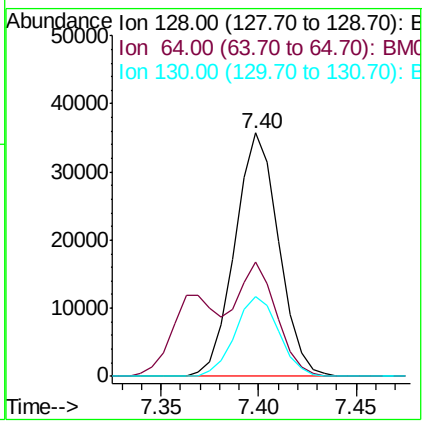




#10
2-Chlorophenol
Concen: 3.615 ng/ul
RT: 7.40 min Scan# 750
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:128 Resp: 55550

Ion	Ratio	Lower	Upper
128	100		
64	47.1	36.0	54.0
130	32.8	26.1	39.1



Instrument :
BNA_M
ClientSampleId :
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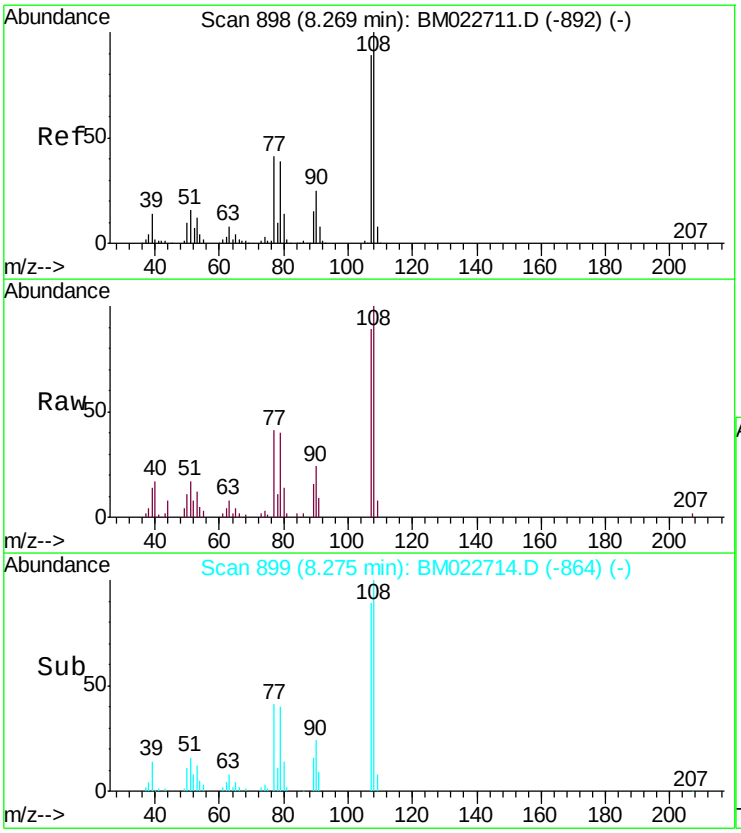
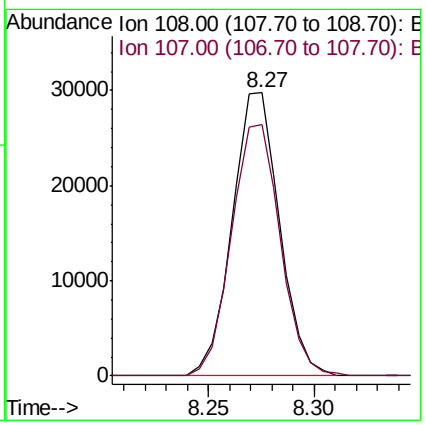
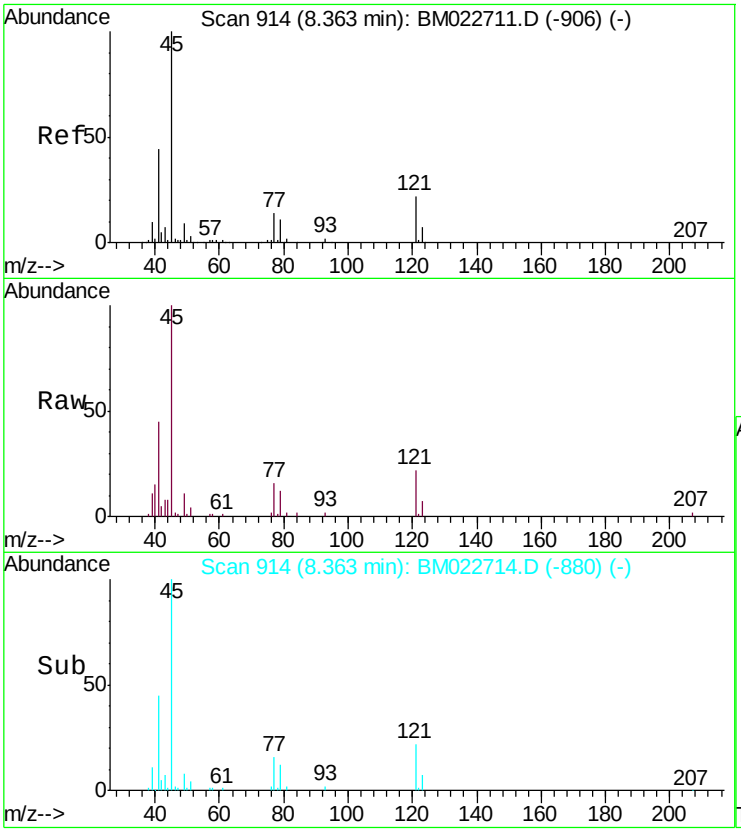


#11
2-Methylphenol
Concen: 3.063 ng/ul
RT: 8.27 min Scan# 899
Delta R.T. 0.01 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:108 Resp: 46224

Ion	Ratio	Lower	Upper
108	100		
107	88.6	70.7	106.1





#12
2,2'-oxybis(1-Chloropropane)
Concen: 3.742 ng/ul
RT: 8.36 min Scan# 914
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion: 45 Resp: 80821

Ion	Ratio	Lower	Upper
45	100		
77	16.2	11.6	17.4
79	11.8	9.0	13.6

Instrument :
BNA_M
ClientSampleId :
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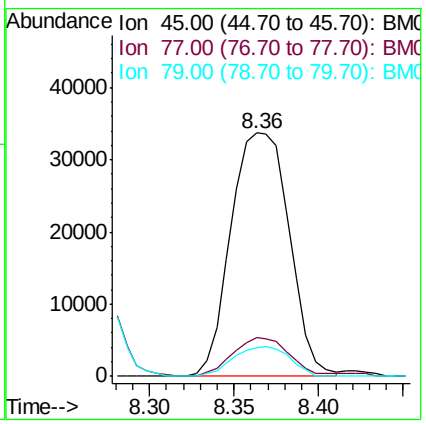
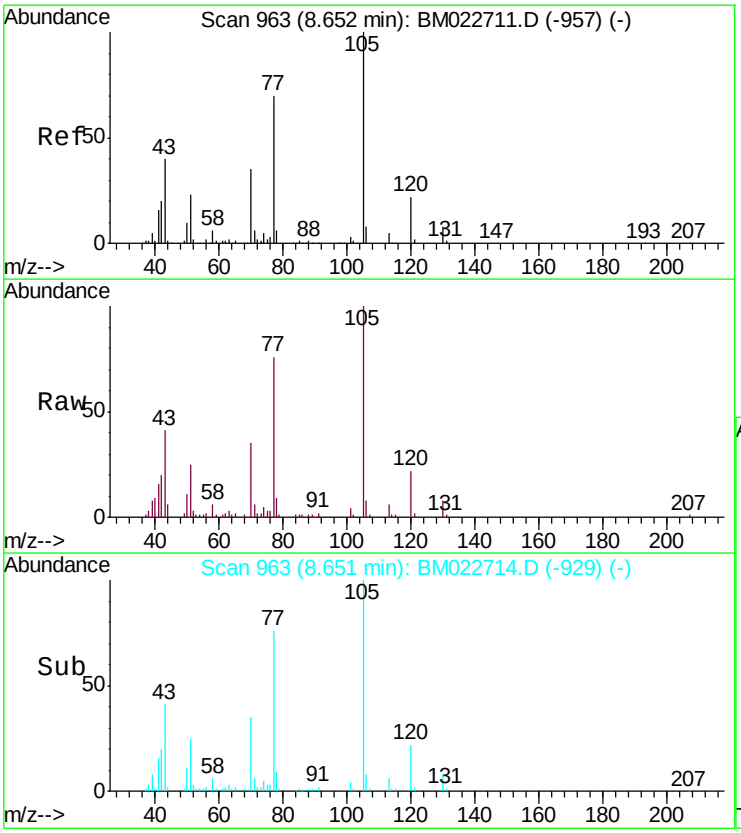
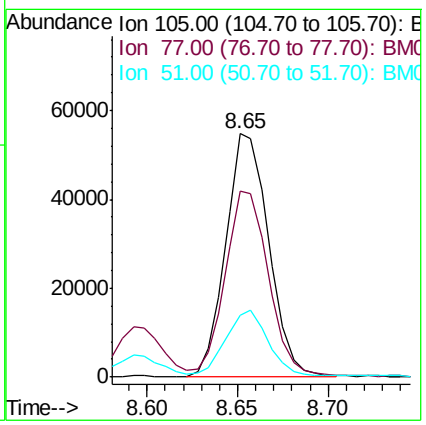


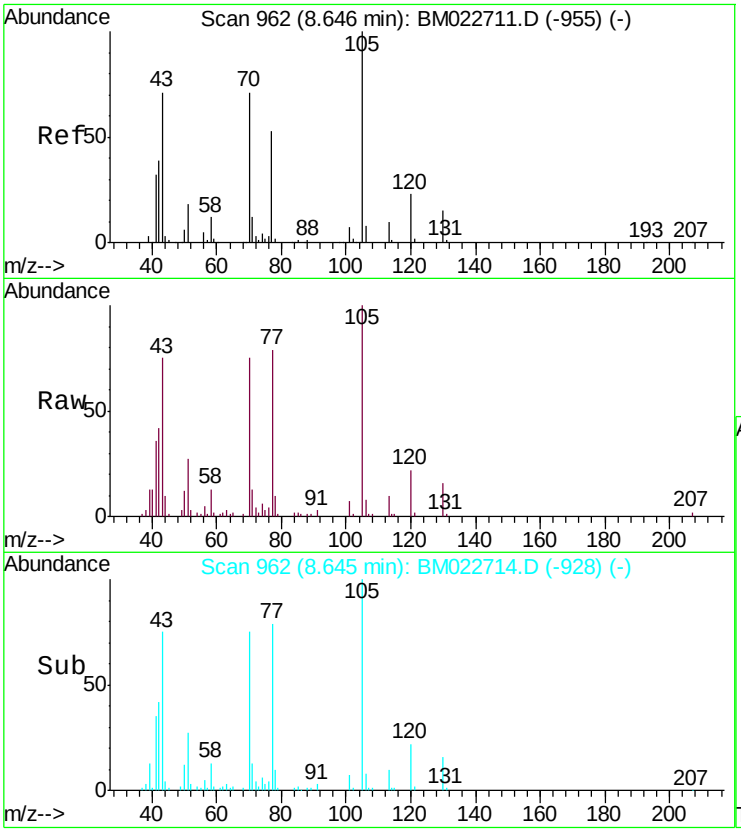


#14
Acetophenone
Concen: 3.868 ng/ul
RT: 8.65 min Scan# 963
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:105 Resp: 90807

Ion	Ratio	Lower	Upper
105	100		
77	76.4	62.1	93.1
51	25.3	21.8	32.6

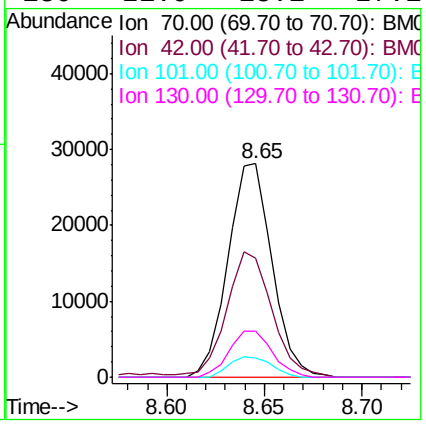




#15
N-Nitroso-di-n-propylamine
Concen: 3.476 ng/ul
RT: 8.65 min Scan# 962
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion: 70 Resp: 44077

Ion	Ratio	Lower	Upper
70	100		
42	55.5	48.3	72.5
101	9.1	8.2	12.2
130	21.9	18.1	27.1



Instrument :
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ClientSampleId :
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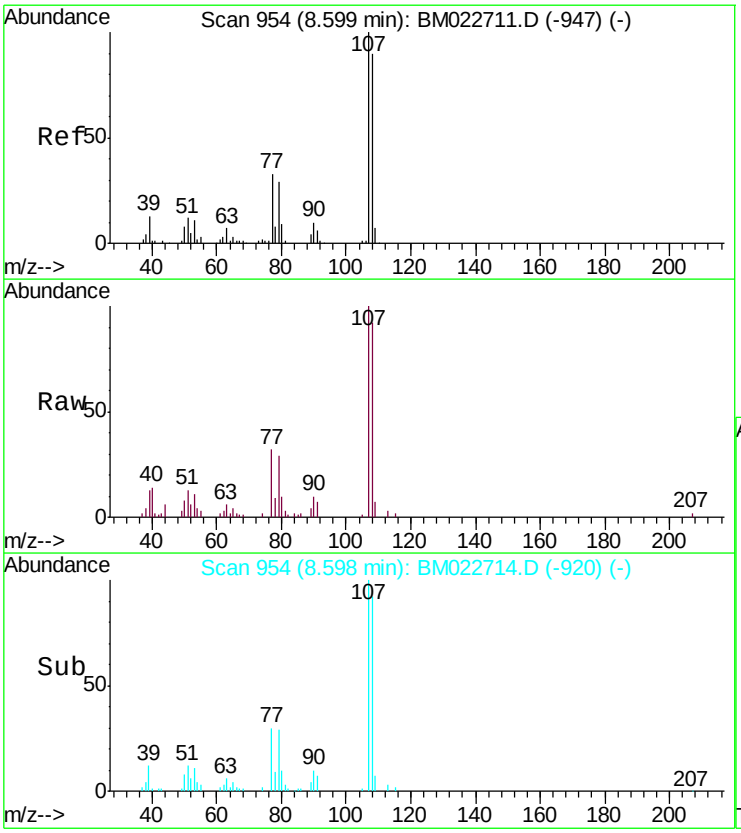
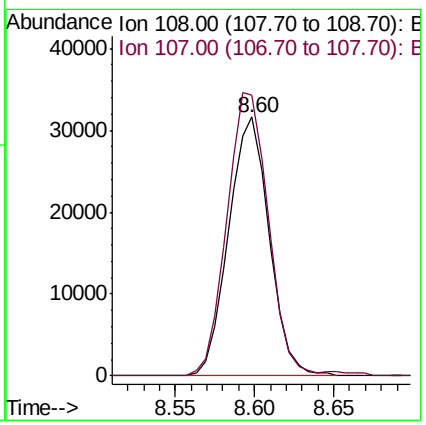
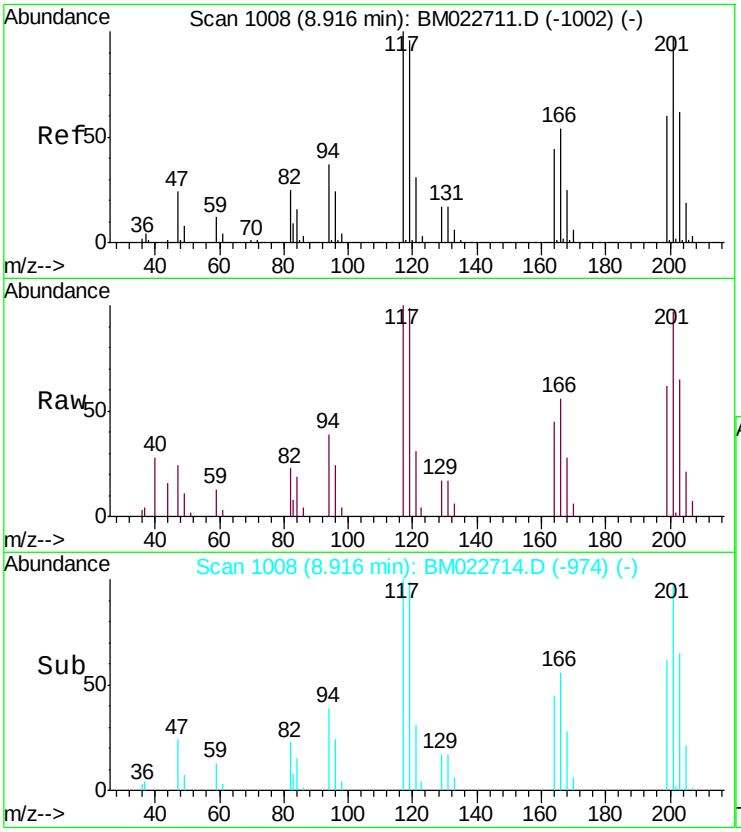


#16
4-Methylphenol
Concen: 3.439 ng/ul
RT: 8.60 min Scan# 954
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:108 Resp: 56039

Ion	Ratio	Lower	Upper
108	100		
107	108.6	87.2	130.8

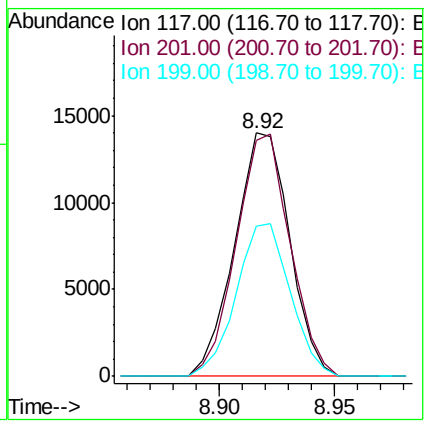




#17
Hexachloroethane
Concen: 3.820 ng/ul
RT: 8.92 min Scan# 1008
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:117 Resp: 23255

Ion	Ratio	Lower	Upper
117	100		
201	97.1	77.6	116.4
199	61.9	47.6	71.4



Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-03

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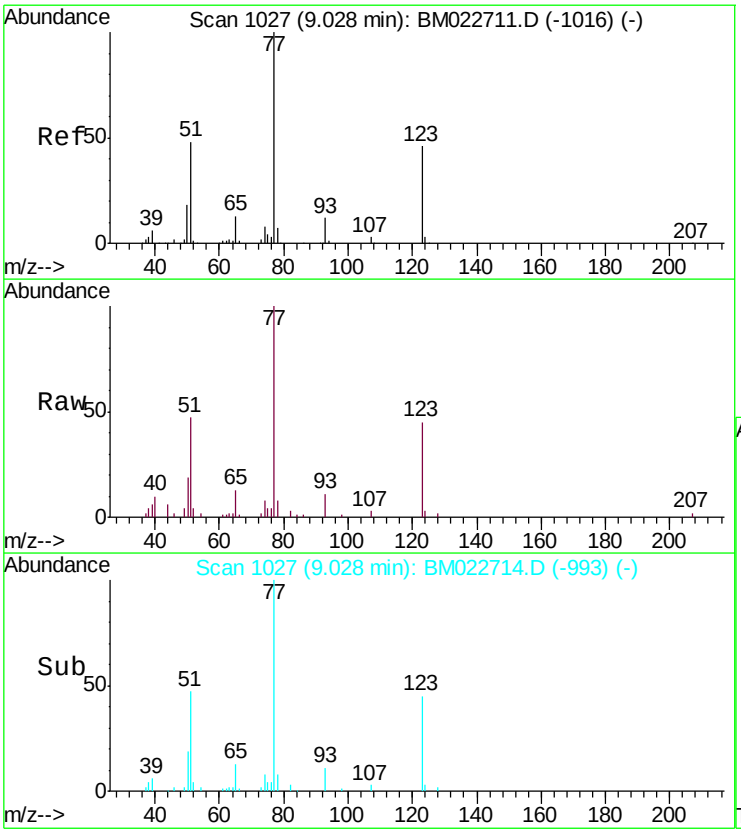
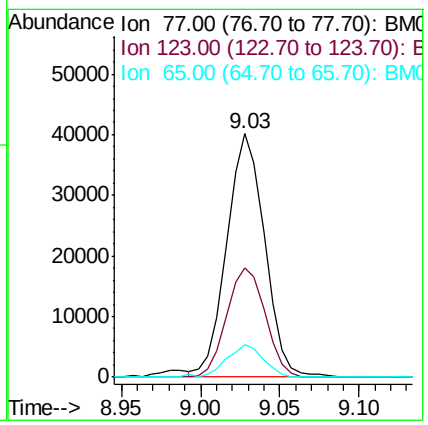
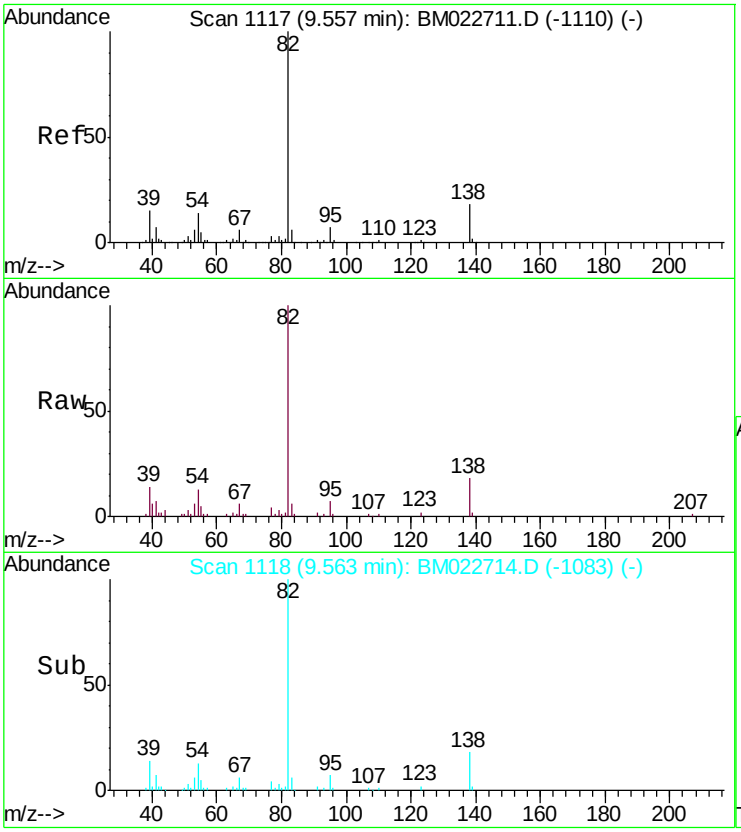


#20
Nitrobenzene
Concen: 4.146 ng/ul
RT: 9.03 min Scan# 1027
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion: 77 Resp: 66664

Ion	Ratio	Lower	Upper
77	100		
123	44.8	35.8	53.6
65	13.3	10.5	15.7

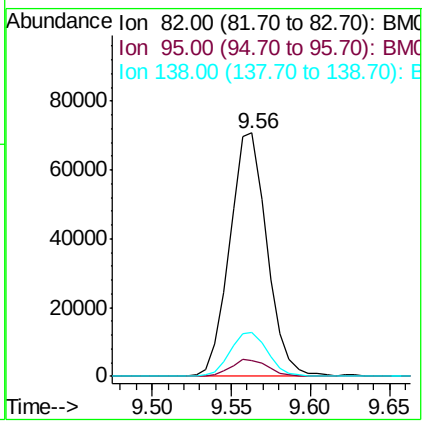




#21
Isophorone
Concen: 3.199 ng/ul
RT: 9.56 min Scan# 1118
Delta R.T. 0.01 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion: 82 Resp: 115264

Ion	Ratio	Lower	Upper
82	100		
95	6.7	5.6	8.4
138	17.8	14.4	21.6



Instrument :
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MDL-S-ME-03

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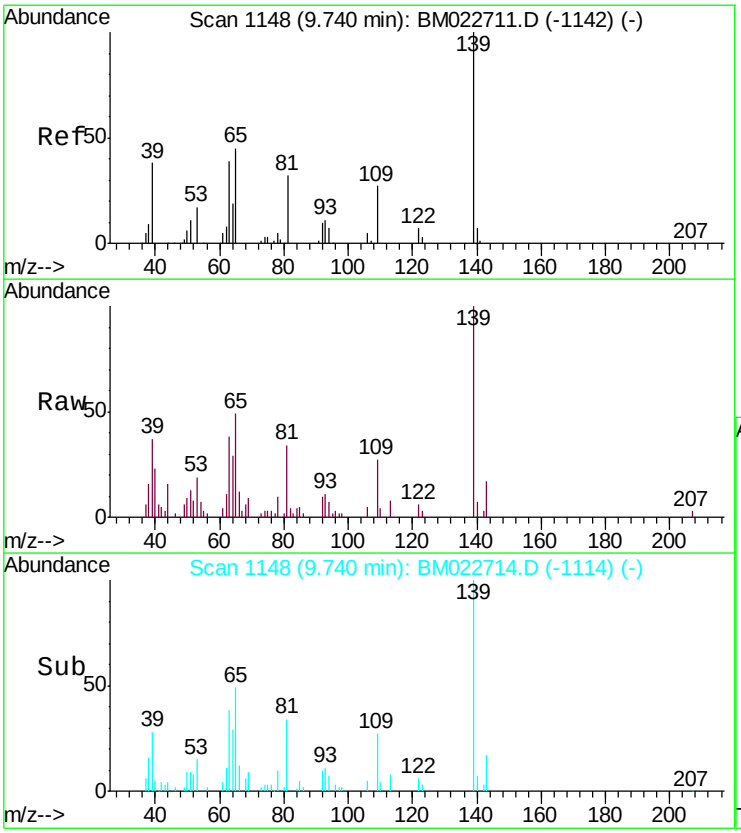
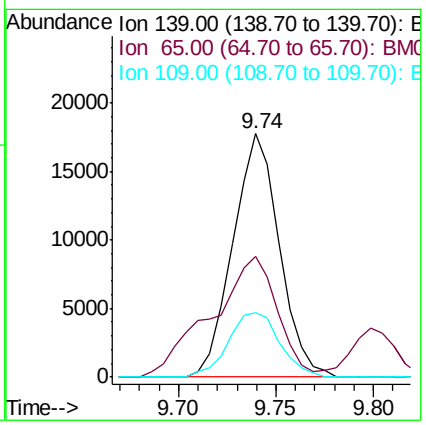
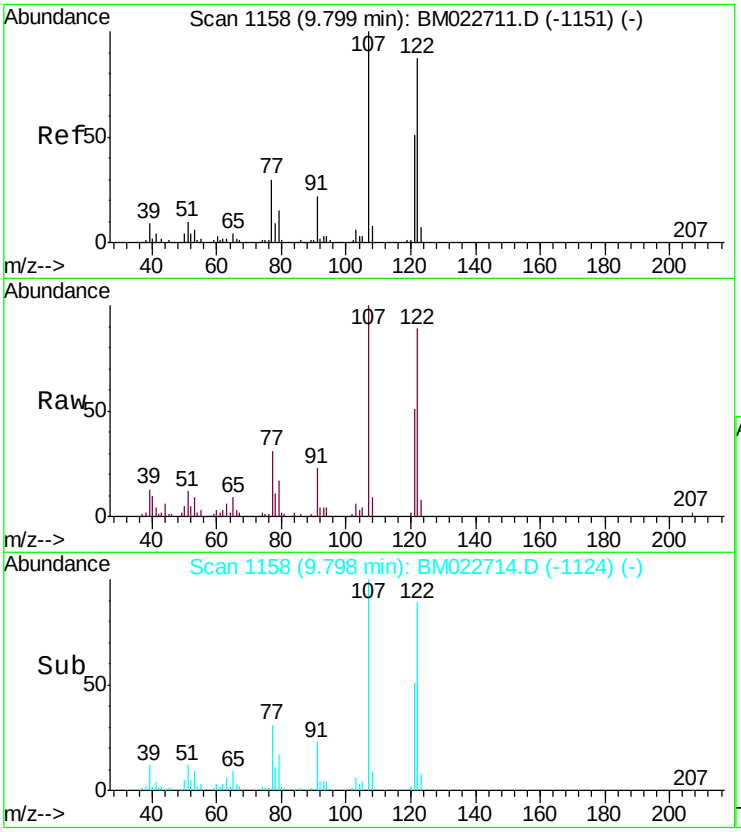


#23
2-Nitrophenol
Concen: 4.158 ng/ul
RT: 9.74 min Scan# 1148
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:139 Resp: 29247

Ion	Ratio	Lower	Upper
139	100		
65	49.4	39.3	58.9
109	26.5	23.5	35.3

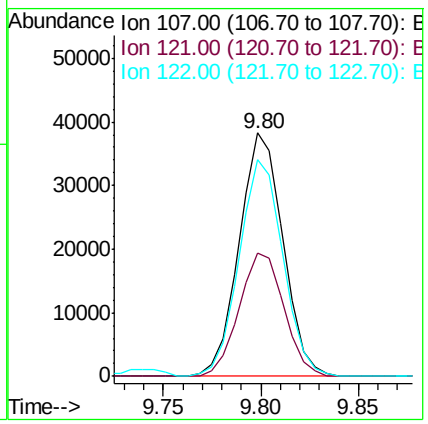




#24
2,4-Dimethylphenol
Concen: 3.379 ng/ul
RT: 9.80 min Scan# 1158
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:107 Resp: 59595

Ion	Ratio	Lower	Upper
107	100		
121	50.9	40.2	60.4
122	89.2	70.2	105.2



Instrument :
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ClientSampleId :
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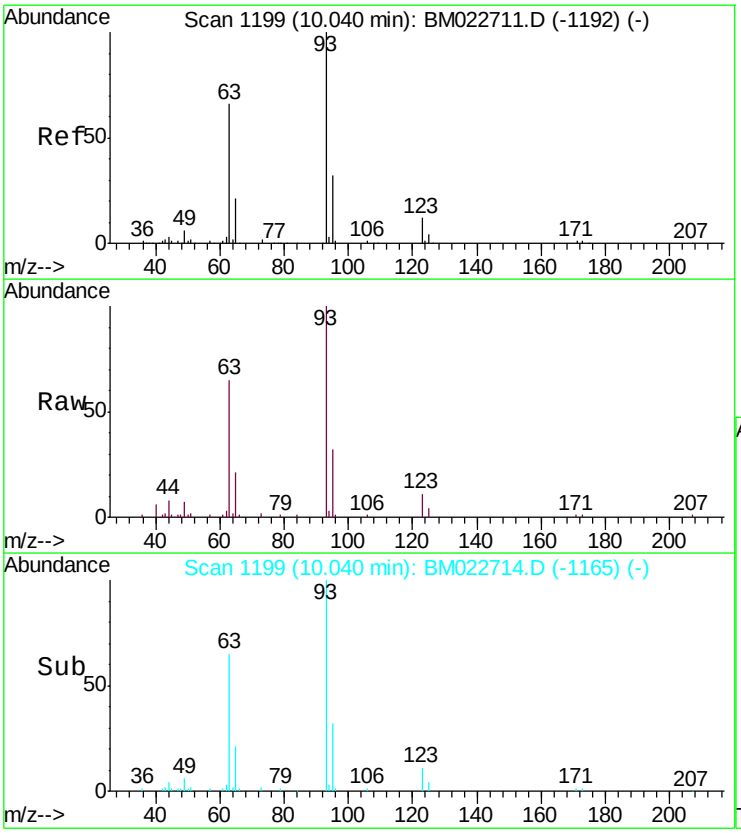
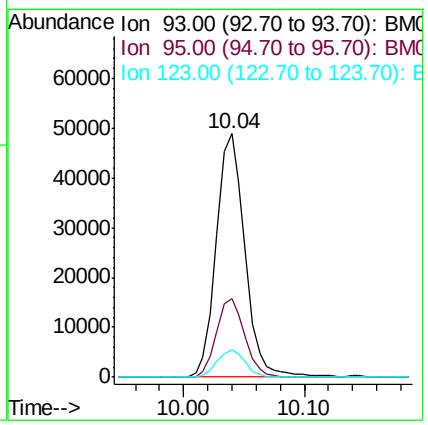
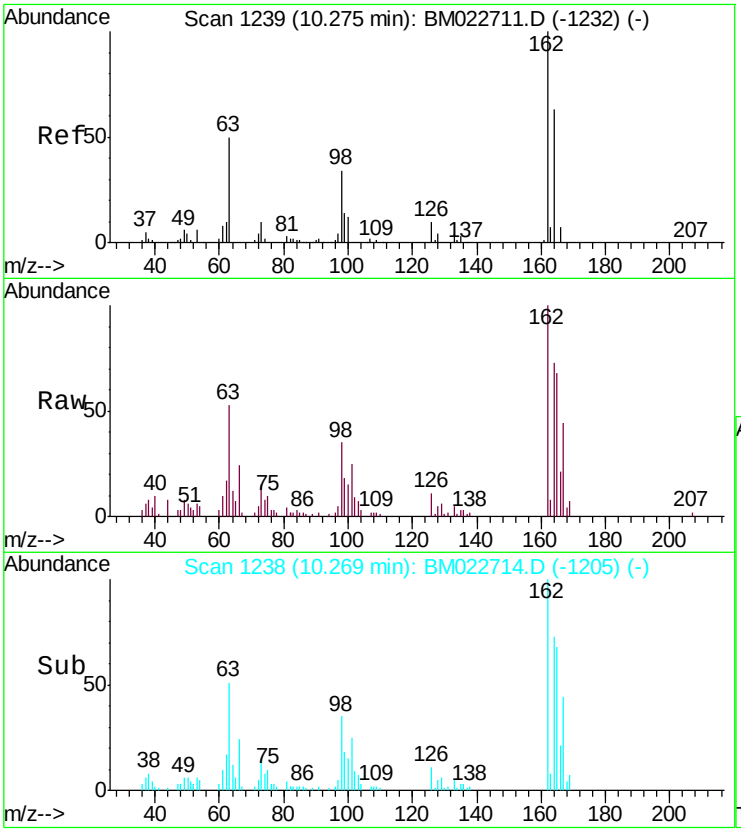


#25
Bis(2-Chloroethoxy)methane
Concen: 3.783 ng/ul
RT: 10.04 min Scan# 1199
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion: 93 Resp: 79924

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.1	39.1
123	11.0	9.2	13.8

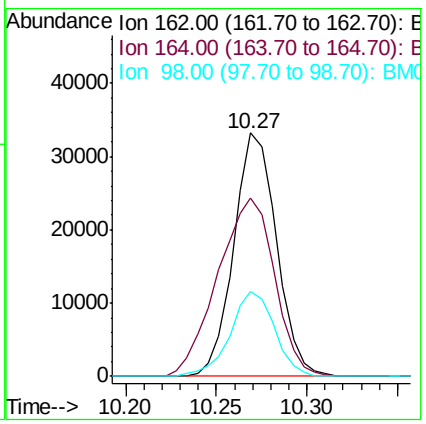




#27
2,4-Dichlorophenol
Concen: 3.672 ng/ul
RT: 10.27 min Scan# 1238
Delta R.T. -0.01 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:162 Resp: 54546

Ion	Ratio	Lower	Upper
162	100		
164	73.4	52.1	78.1
98	34.6	28.9	43.3



Instrument :
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ClientSampleId :
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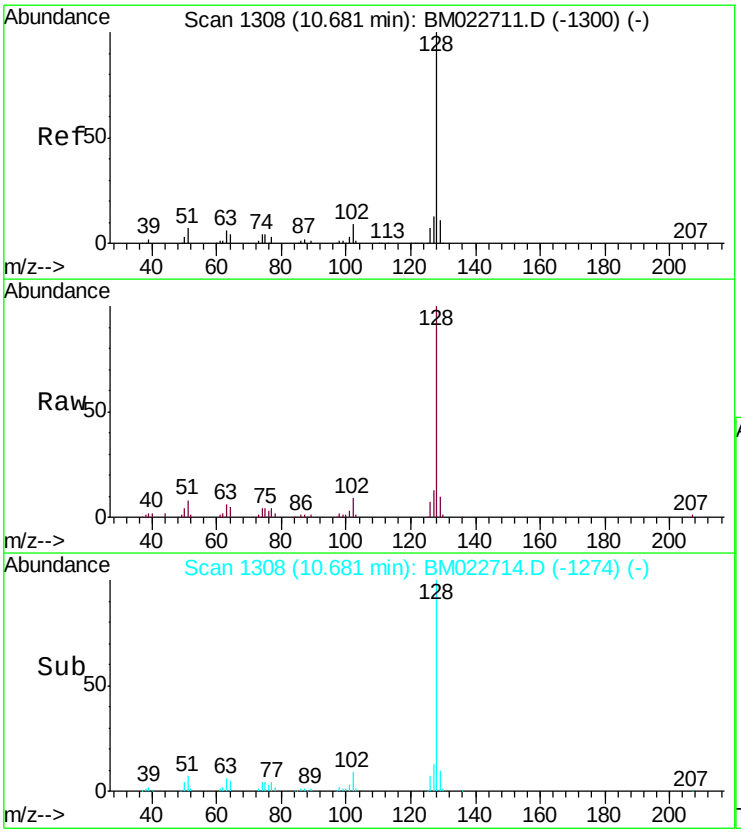
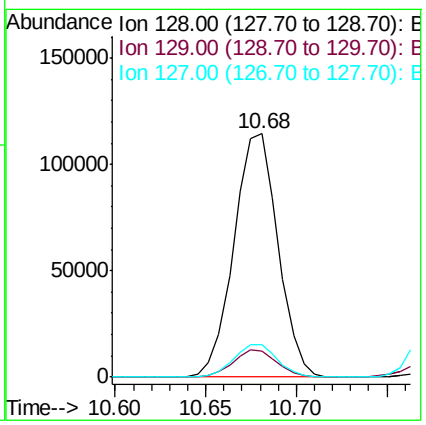
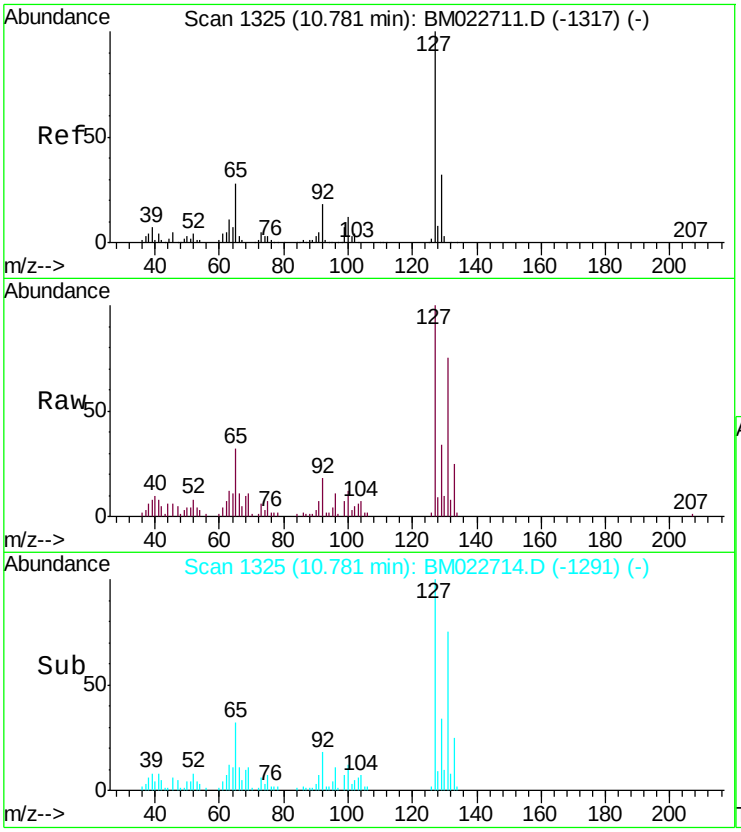


#28
Naphthalene
Concen: 3.926 ng/ul
RT: 10.68 min Scan# 1308
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:128 Resp: 193900

Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.9	13.3
127	13.3	10.6	16.0

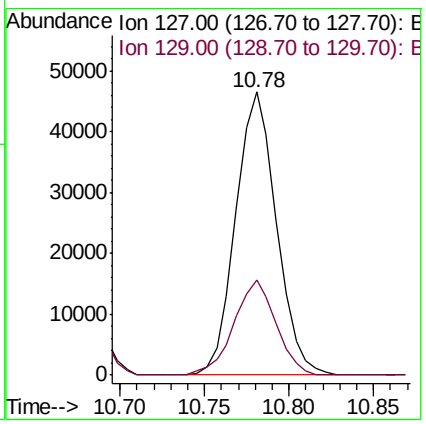




#30
4-Chloroaniline
Concen: 3.829 ng/ul
RT: 10.78 min Scan# 1325
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:127 Resp: 78188

Ion	Ratio	Lower	Upper
127	100		
129	33.7	25.4	38.2



Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-03

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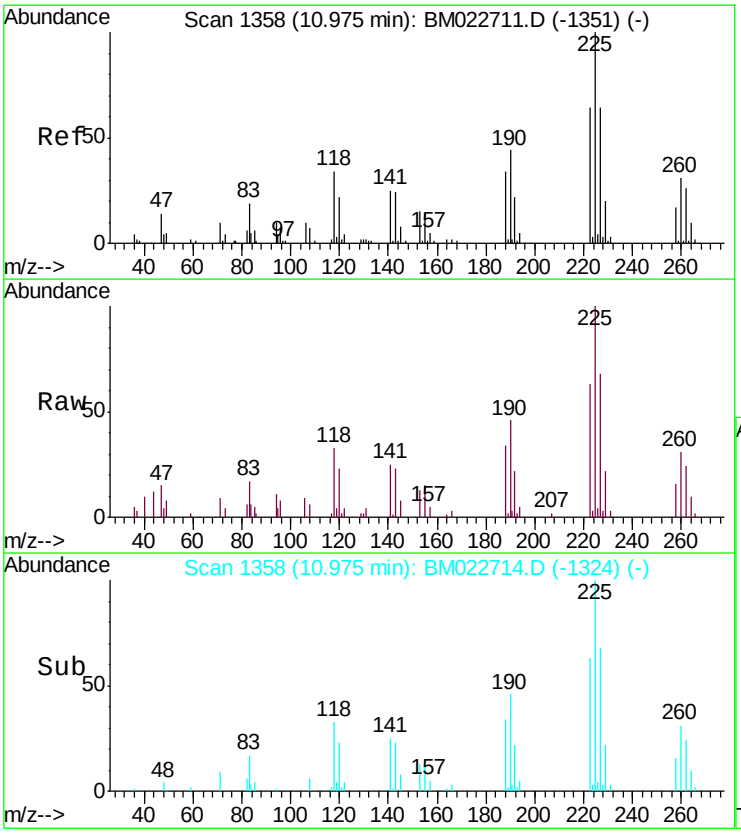
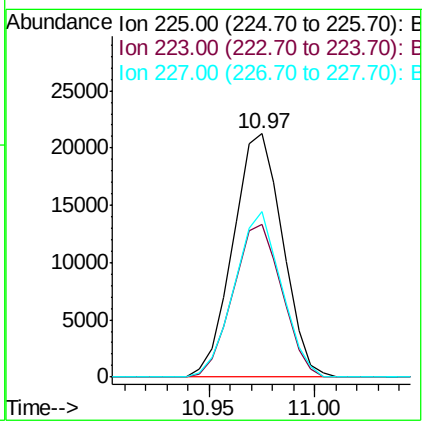
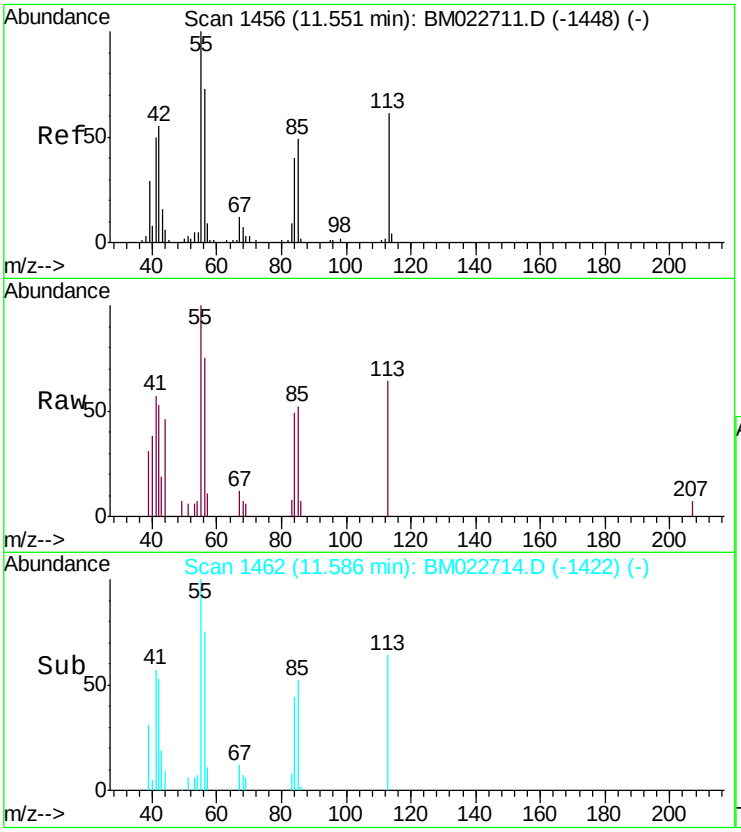


#31
Hexachlorobutadiene
Concen: 3.783 ng/ul
RT: 10.97 min Scan# 1358
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:225 Resp: 34619

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.1	75.1
227	68.1	51.8	77.8

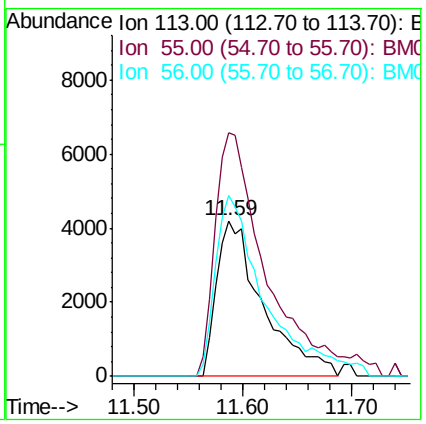




#32
Caprolactam
Concen: 2.256 ng/ul m
RT: 11.59 min Scan# 1462
Delta R.T. 0.04 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:113 Resp: 12478

Ion	Ratio	Lower	Upper
113	100		
55	156.3	135.6	203.4
56	116.5	98.4	147.6



Instrument :
BNA_M
ClientSampleId :
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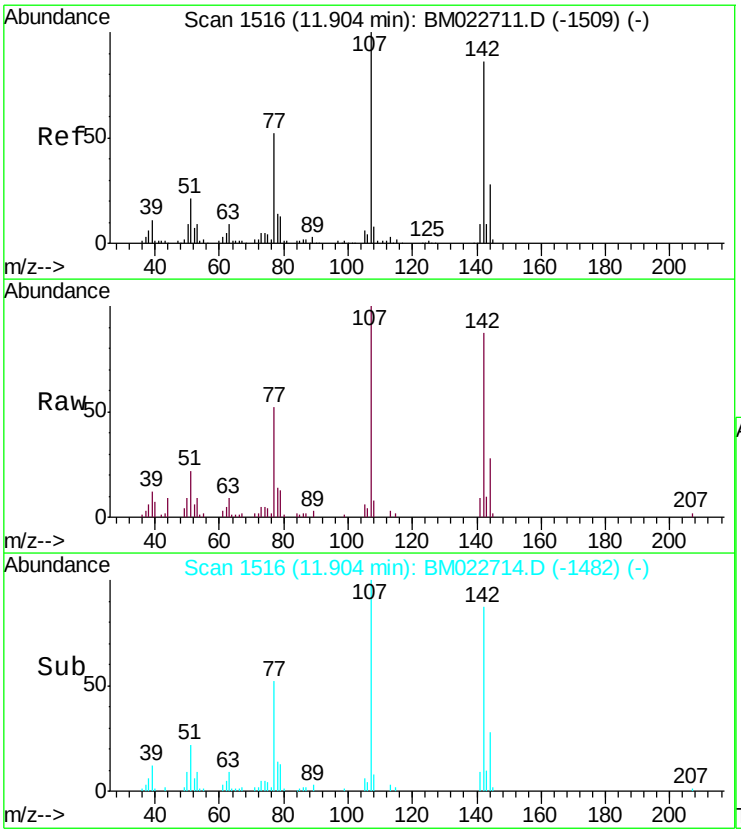
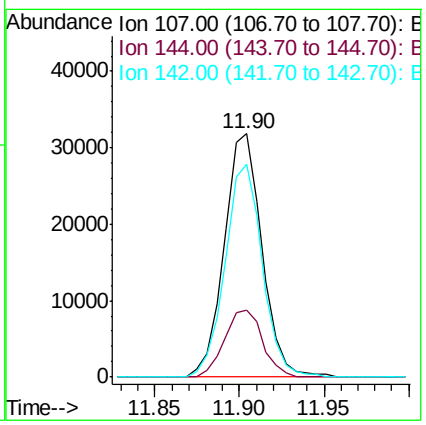
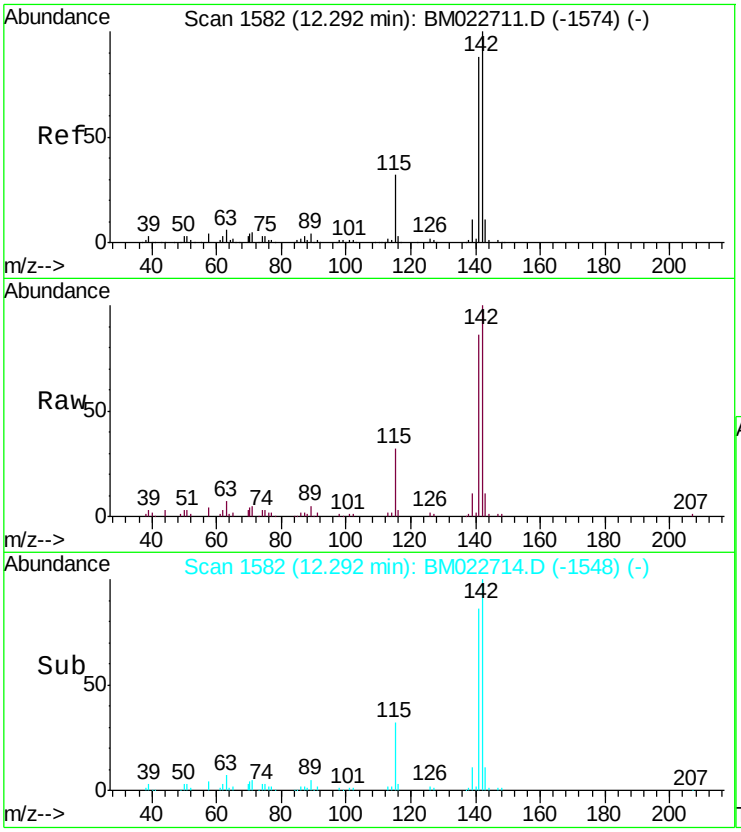


#33
4-Chloro-3-methylphenol
Concen: 3.015 ng/ul
RT: 11.90 min Scan# 1516
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:107 Resp: 49421

Ion	Ratio	Lower	Upper
107	100		
144	27.6	22.6	34.0
142	87.2	67.0	100.4





#34
2-Methylnaphthalene
Concen: 3.755 ng/ul
RT: 12.29 min Scan# 1582
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:142 Resp: 139736

Ion	Ratio	Lower	Upper
142	100		
141	85.9	71.0	106.4

Instrument :
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ClientSampleId :
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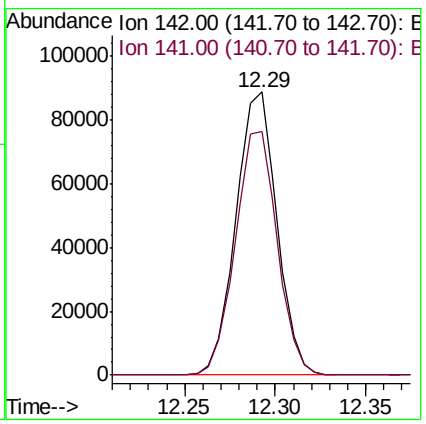
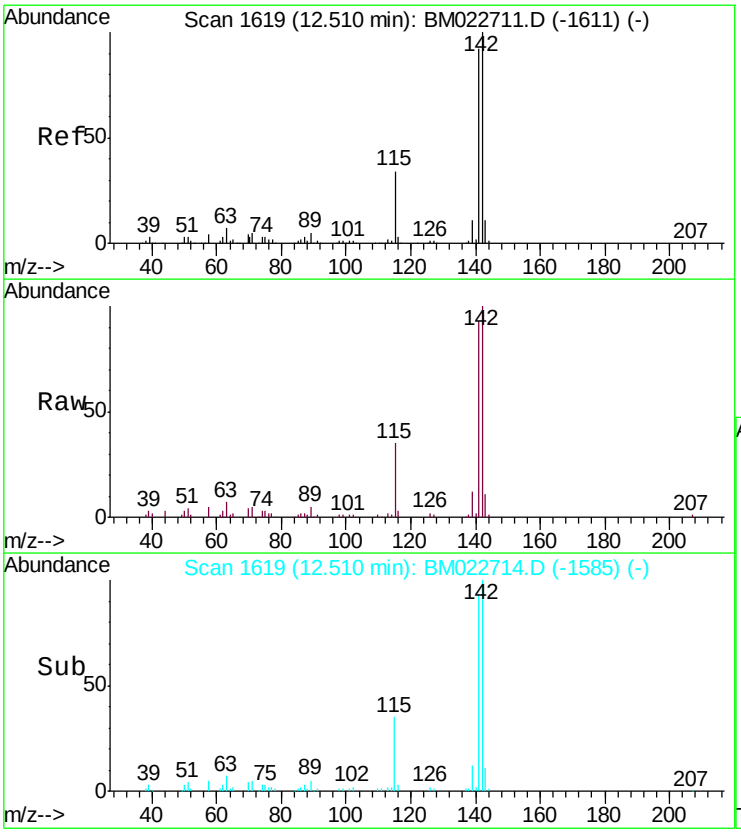
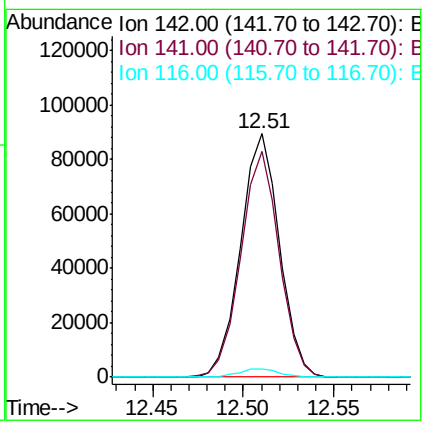


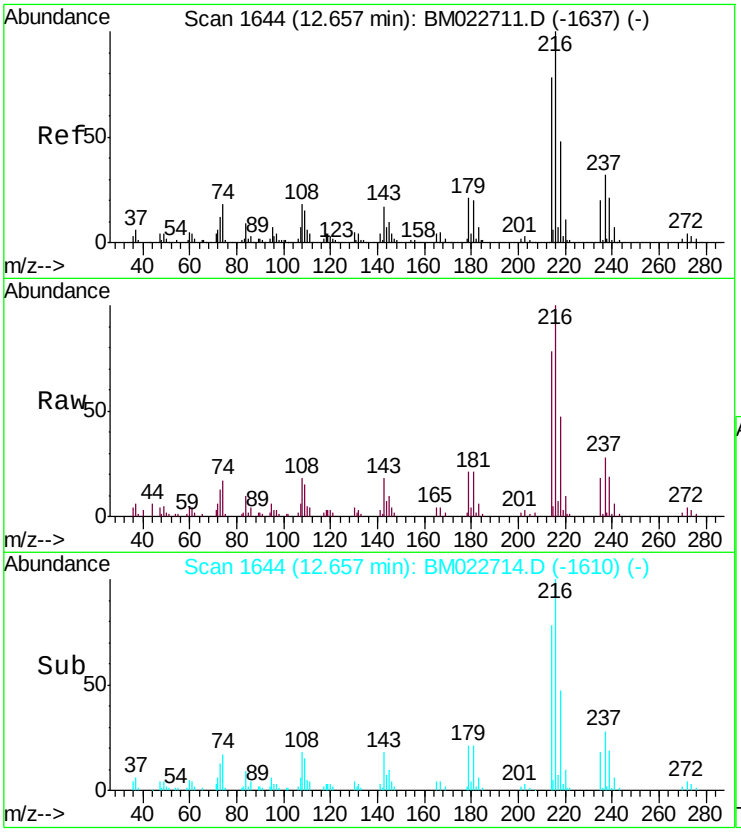


#35
1-Methylnaphthalene
Concen: 3.752 ng/ul
RT: 12.51 min Scan# 1619
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:142 Resp: 133403

Ion	Ratio	Lower	Upper
142	100		
141	92.7	72.6	108.8
116	3.4	3.0	4.4

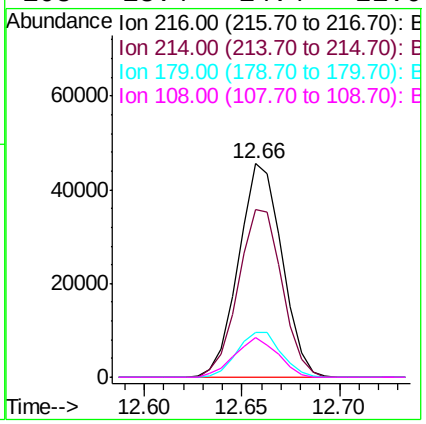




#37
1,2,4,5-Tetrachlorobenzene
Concen: 3.758 ng/ul
RT: 12.66 min Scan# 1644
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:216 Resp: 70280

Ion	Ratio	Lower	Upper
216	100		
214	78.3	63.4	95.0
179	20.7	16.7	25.1
108	18.4	14.4	21.6



Instrument :
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ClientSampleId :
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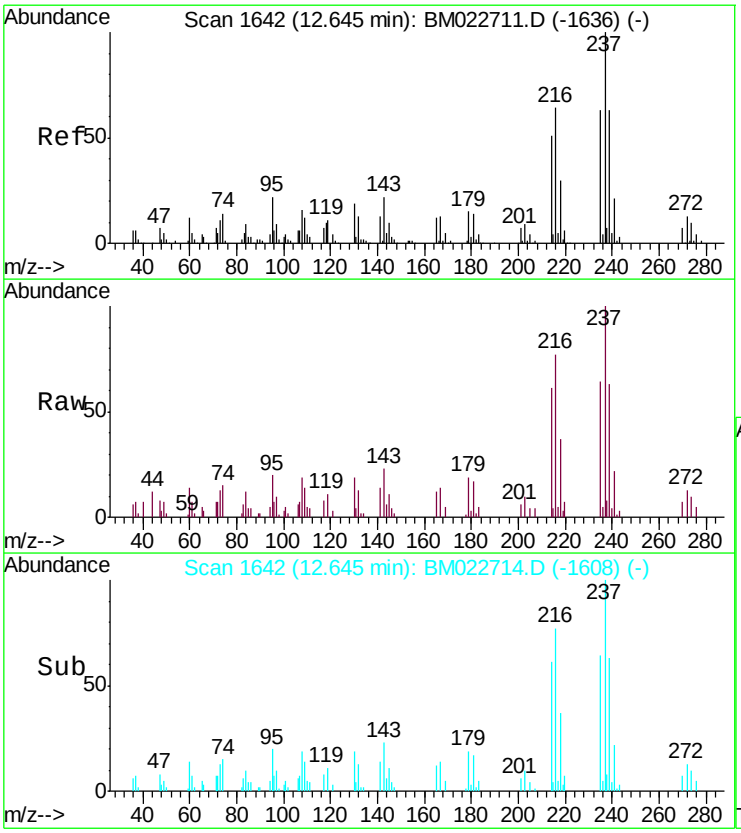
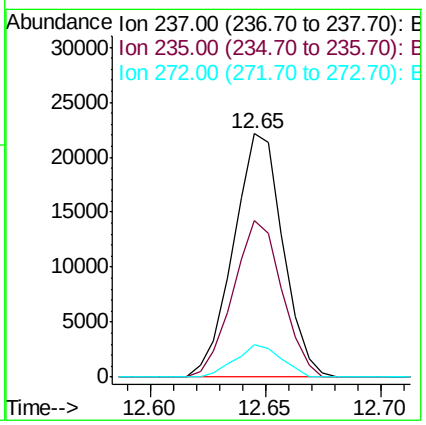
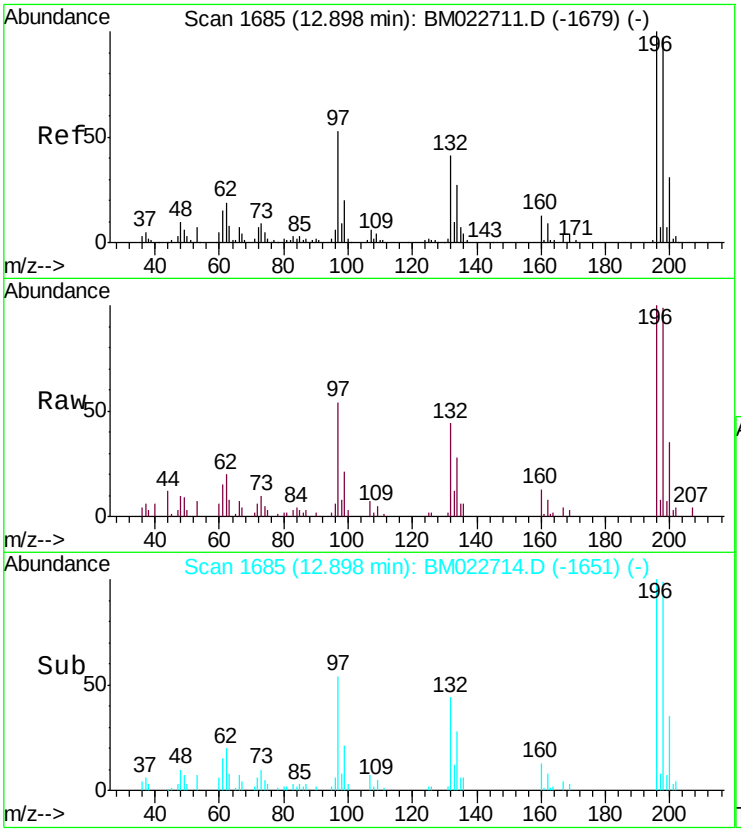


#38
Hexachlorocyclopentadiene
Concen: 2.869 ng/ul
RT: 12.65 min Scan# 1642
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:237 Resp: 33071

Ion	Ratio	Lower	Upper
237	100		
235	64.4	50.1	75.1
272	13.2	10.2	15.4

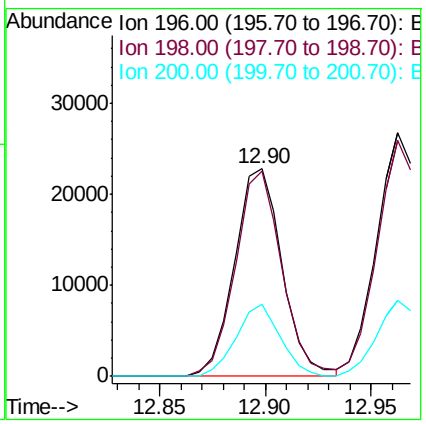




#39
2,4,6-Trichlorophenol
Concen: 3.050 ng/ul
RT: 12.90 min Scan# 1685
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:196 Resp: 35704

Ion	Ratio	Lower	Upper
196	100		
198	98.8	77.7	116.5
200	34.5	24.6	37.0



Instrument :
BNA_M
ClientSampleId :
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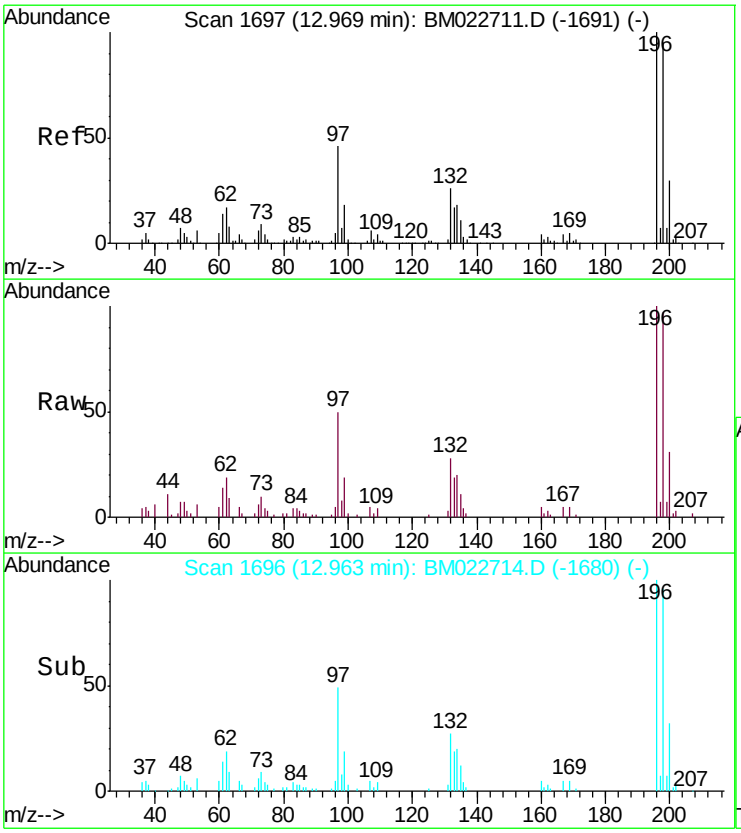
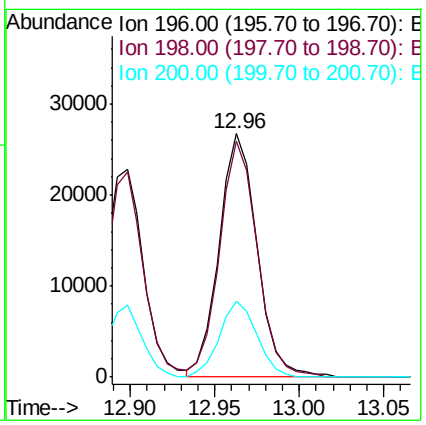
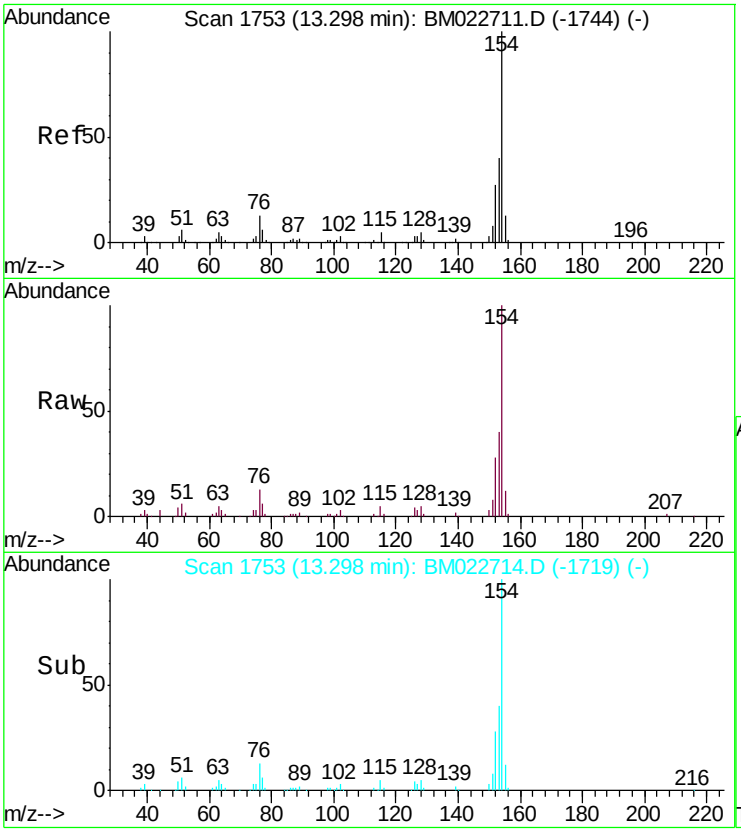


#40
2,4,5-Trichlorophenol
Concen: 3.295 ng/ul
RT: 12.96 min Scan# 1696
Delta R.T. -0.01 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:196 Resp: 41823

Ion	Ratio	Lower	Upper
196	100		
198	96.7	77.4	116.0
200	31.1	24.0	36.0

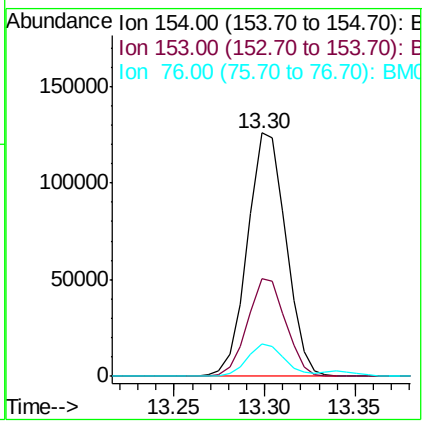




#41
1,1'-Biphenyl
Concen: 3.859 ng/ul
RT: 13.30 min Scan# 1753
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:154 Resp: 186260

Ion	Ratio	Lower	Upper
154	100		
153	40.1	32.1	48.1
76	13.1	10.2	15.2



Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-03

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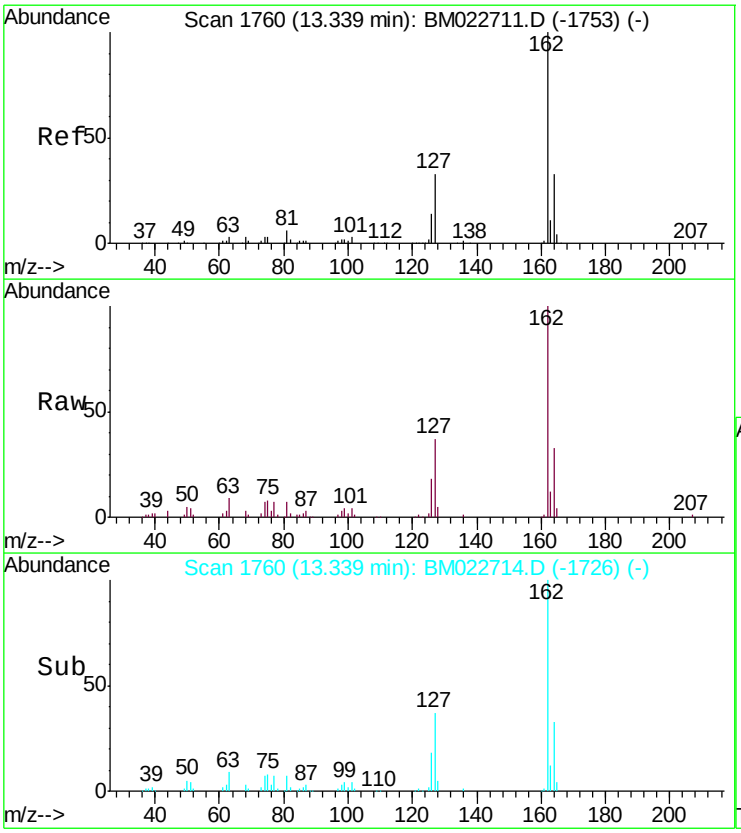
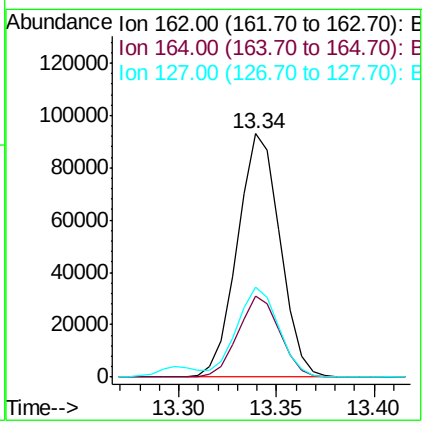
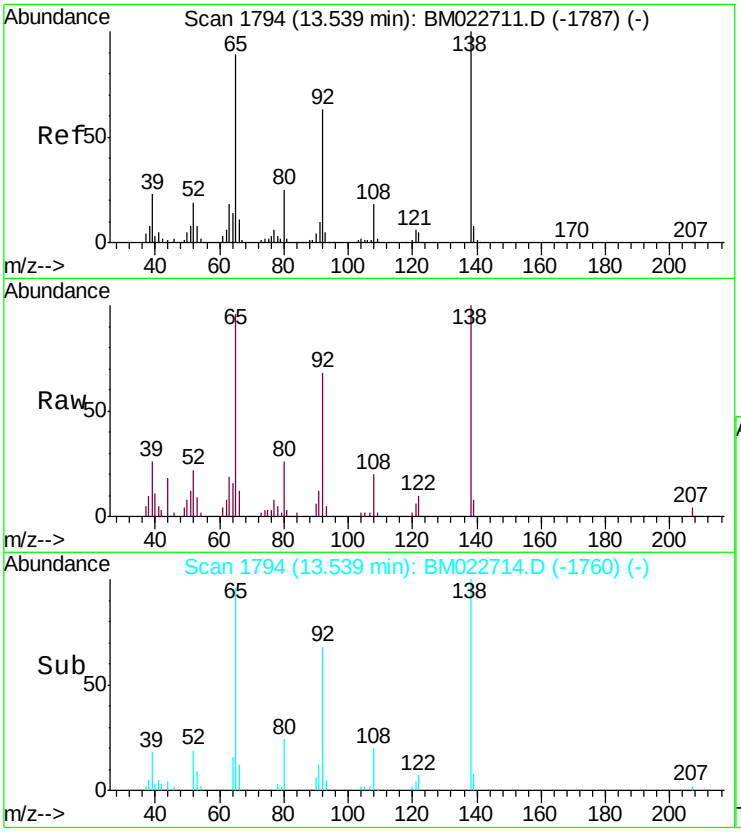


#42
2-Chloronaphthalene
Concen: 3.849 ng/ul
RT: 13.34 min Scan# 1760
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:162 Resp: 140637

Ion	Ratio	Lower	Upper
162	100		
164	33.1	26.1	39.1
127	36.8	30.1	45.1

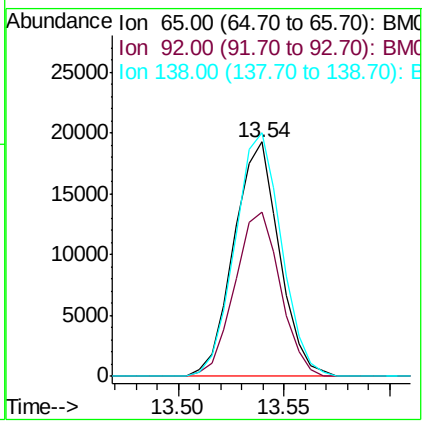




#43
2-Nitroaniline
Concen: 3.373 ng/ul
RT: 13.54 min Scan# 1794
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion: 65 Resp: 28775

Ion	Ratio	Lower	Upper
65	100		
92	70.2	55.7	83.5
138	103.8	86.0	129.0



Instrument :
BNA_M
ClientSampleId :
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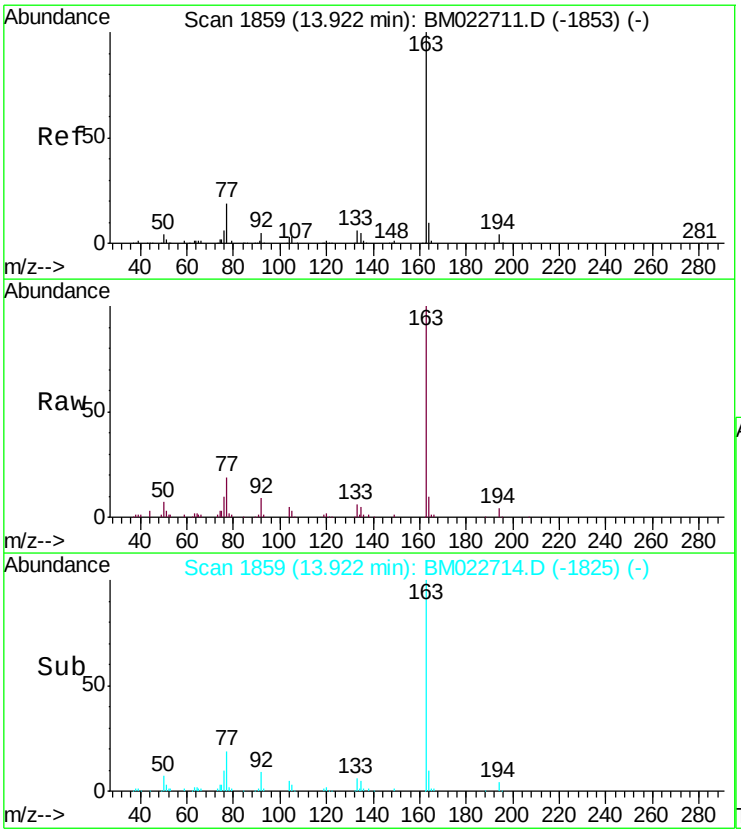
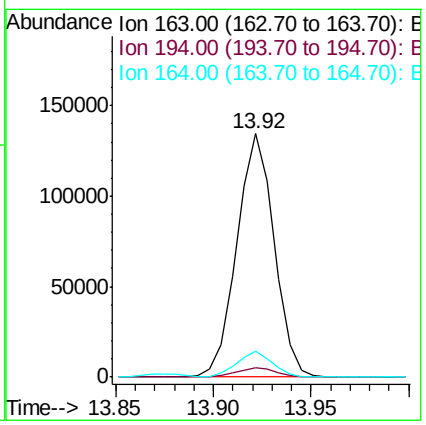
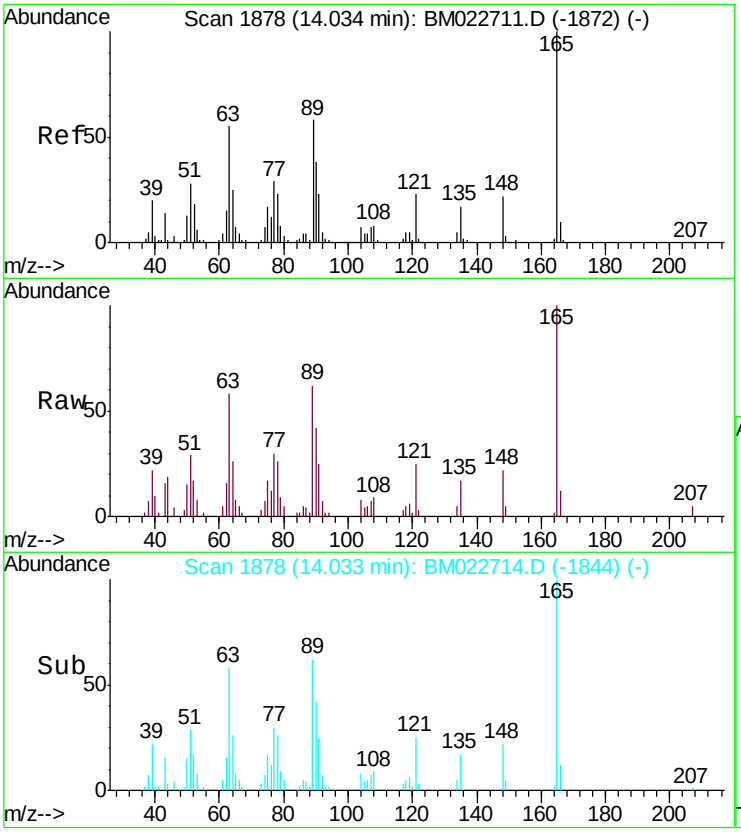


#45
Dimethylphthalate
Concen: 3.734 ng/ul
RT: 13.92 min Scan# 1859
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:163 Resp: 178007

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

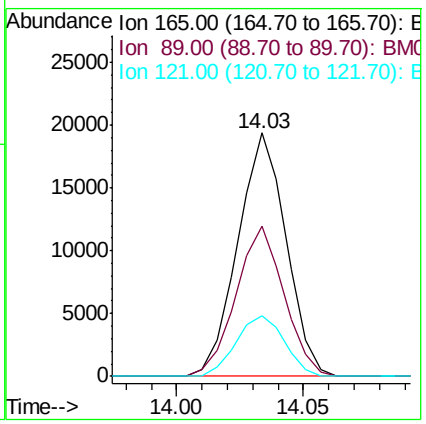




#46
2,6-Dinitrotoluene
Concen: 3.316 ng/ul
RT: 14.03 min Scan# 1878
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:165 Resp: 25739

Ion	Ratio	Lower	Upper
165	100		
89	61.5	47.7	71.5
121	24.9	18.4	27.6



Instrument :
BNA_M
ClientSampleId :
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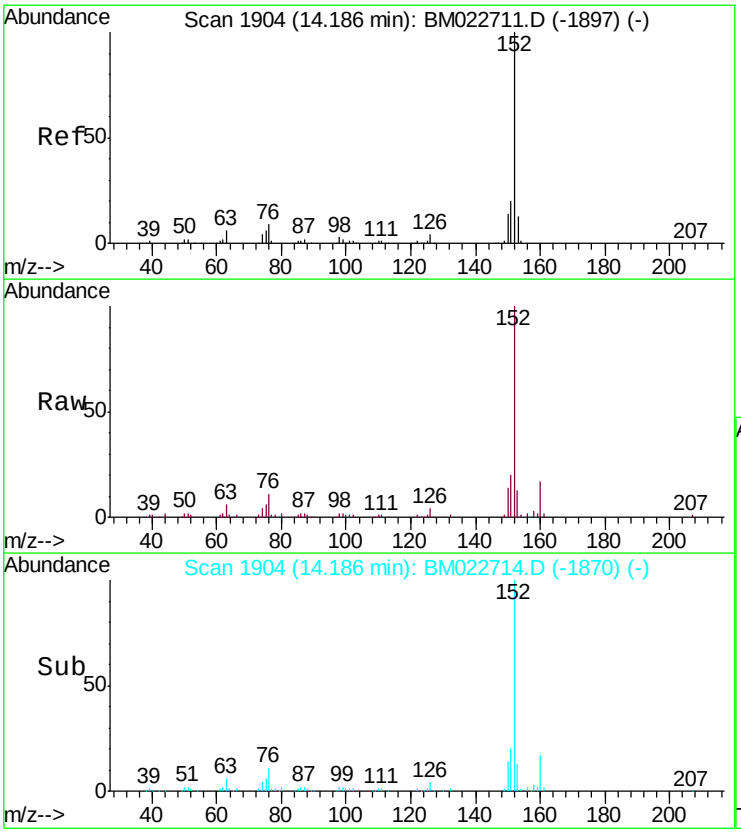
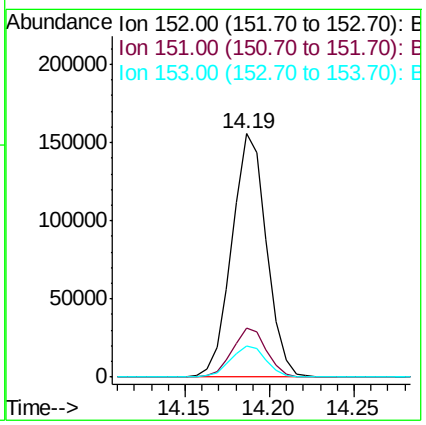
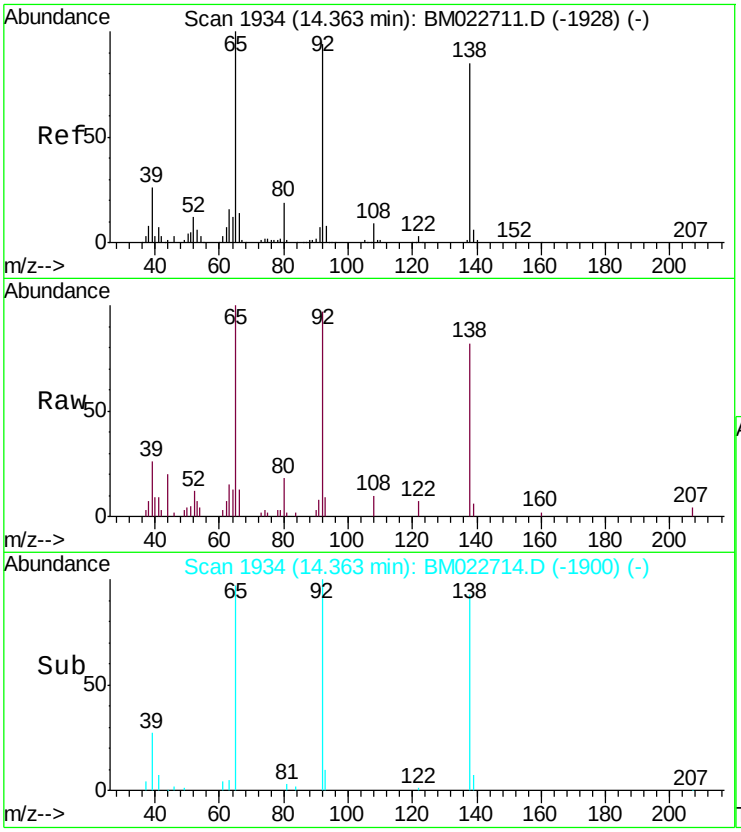


#48
Acenaphthylene
Concen: 3.808 ng/ul
RT: 14.19 min Scan# 1904
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:152 Resp: 222109

Ion	Ratio	Lower	Upper
152	100		
151	19.9	15.8	23.8
153	13.0	10.4	15.6





#49
3-Nitroaniline
Concen: 2.698 ng/ul
RT: 14.36 min Scan# 1934
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:138 Resp: 22704

Ion	Ratio	Lower	Upper
138	100		
108	11.6	13.5	20.3#
92	117.8	93.7	140.5

Instrument :
BNA_M
ClientSampleId :
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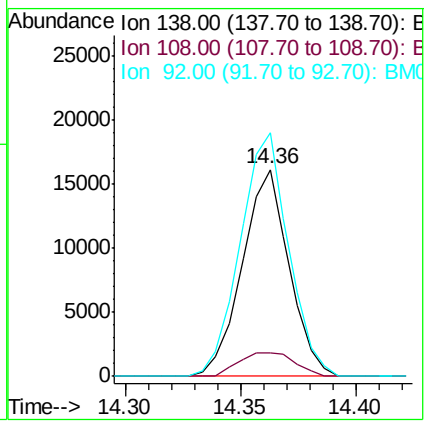
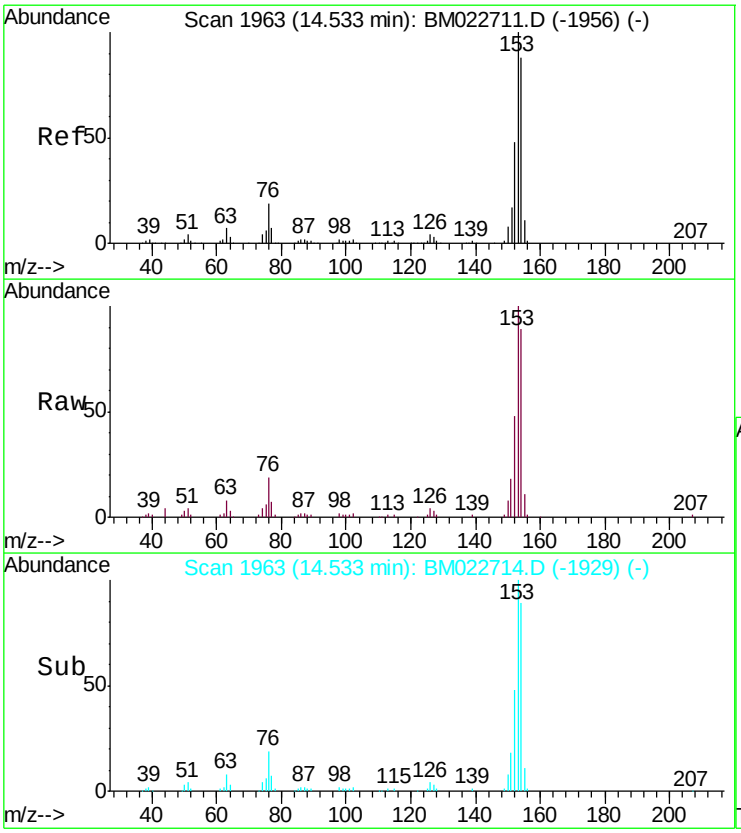
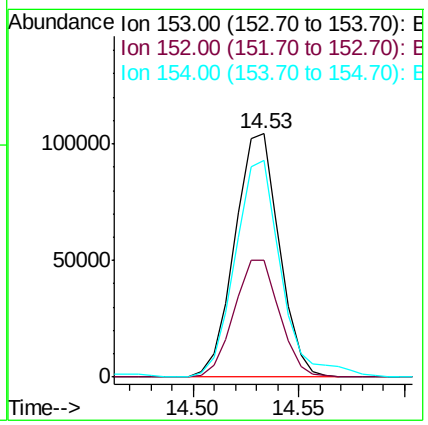


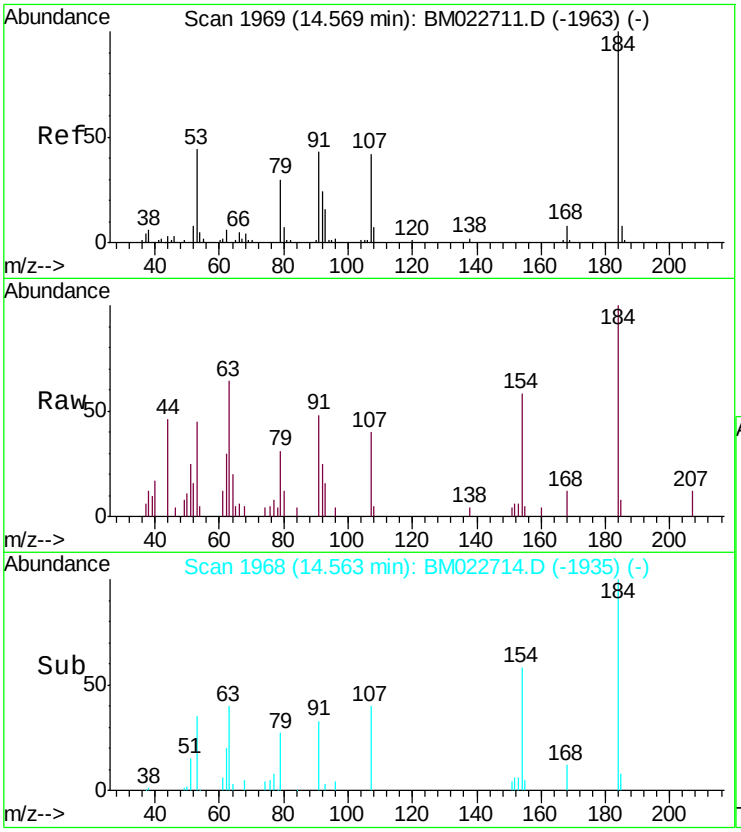


#50
Acenaphthene
Concen: 3.772 ng/ul
RT: 14.53 min Scan# 1963
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:153 Resp: 152437

Ion	Ratio	Lower	Upper
153	100		
152	48.0	37.5	56.3
154	89.1	71.4	107.0

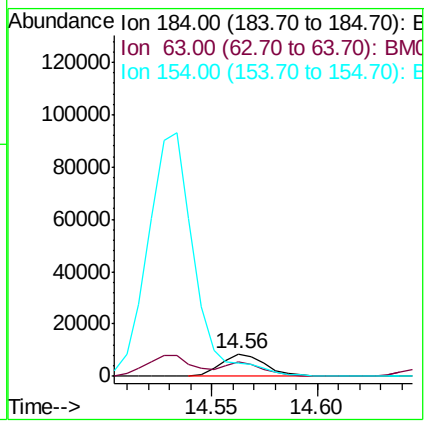




#51
2,4-Dinitrophenol
Concen: 3.517 ng/ul
RT: 14.56 min Scan# 1968
Delta R.T. -0.01 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:184 Resp: 12523

Ion	Ratio	Lower	Upper
184	100		
63	63.7	51.5	77.3
154	58.2	81.9	122.9#



Instrument :
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ClientSampleId :
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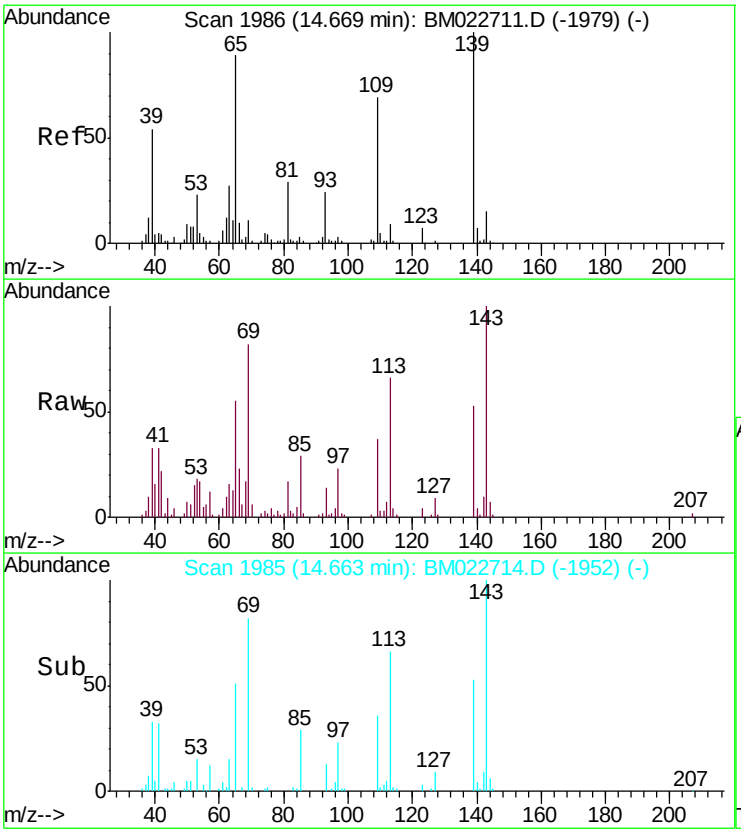
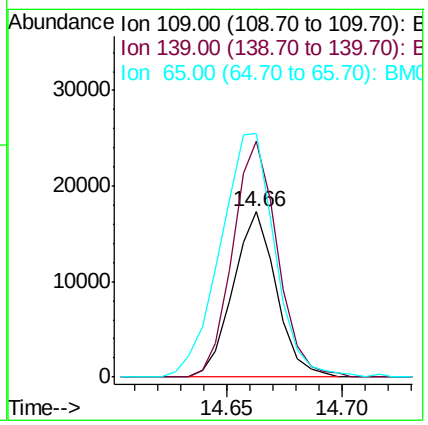
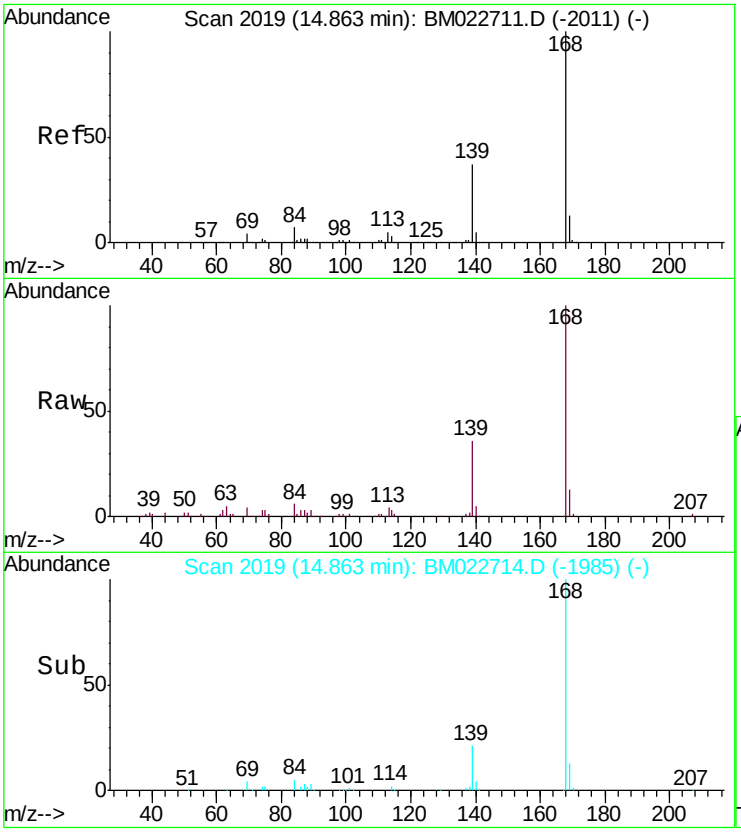


#53
4-Nitrophenol
Concen: 3.518 ng/ul
RT: 14.66 min Scan# 1985
Delta R.T. -0.01 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:109 Resp: 22674

Ion	Ratio	Lower	Upper
109	100		
139	142.8	107.6	161.4
65	147.4	101.9	152.9





#54
Dibenzofuran
Concen: 3.988 ng/ul
RT: 14.86 min Scan# 2019
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:168 Resp: 223709

Ion	Ratio	Lower	Upper
168	100		
139	35.9	29.5	44.3

Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-03

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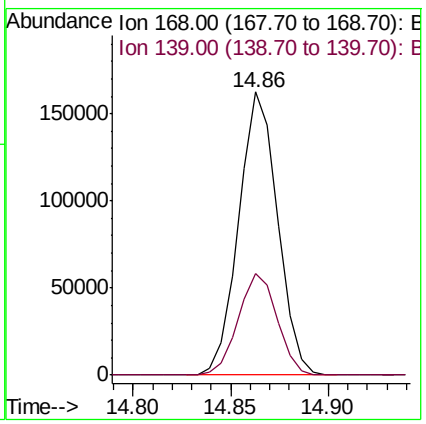
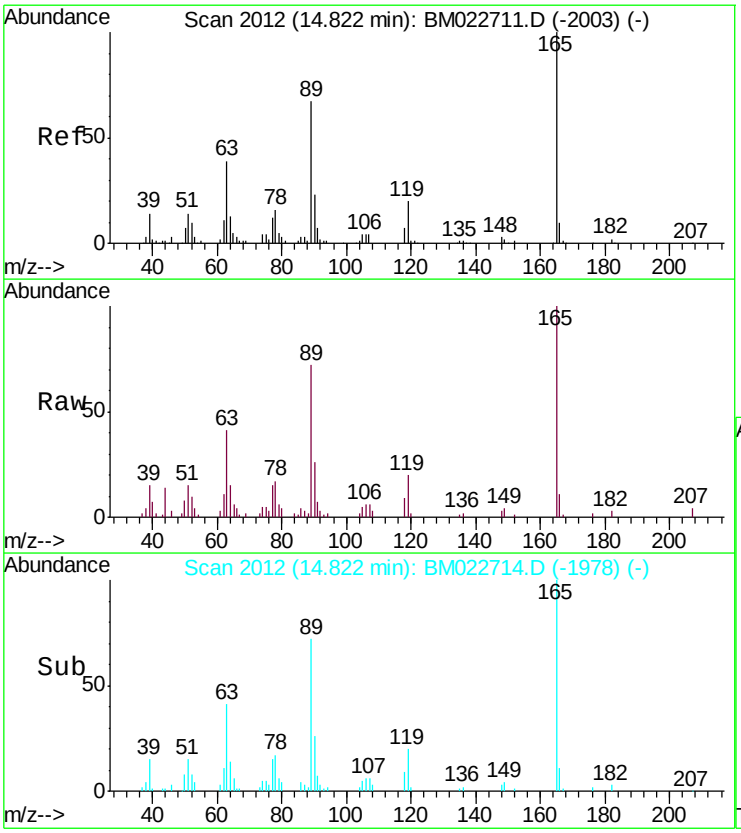
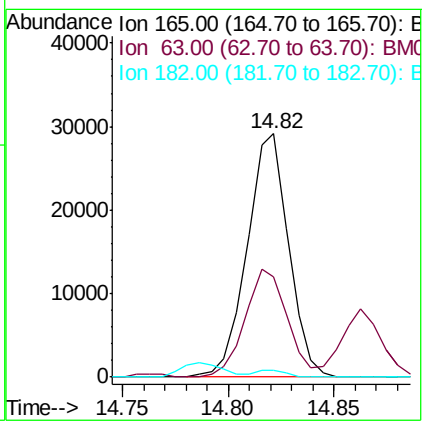


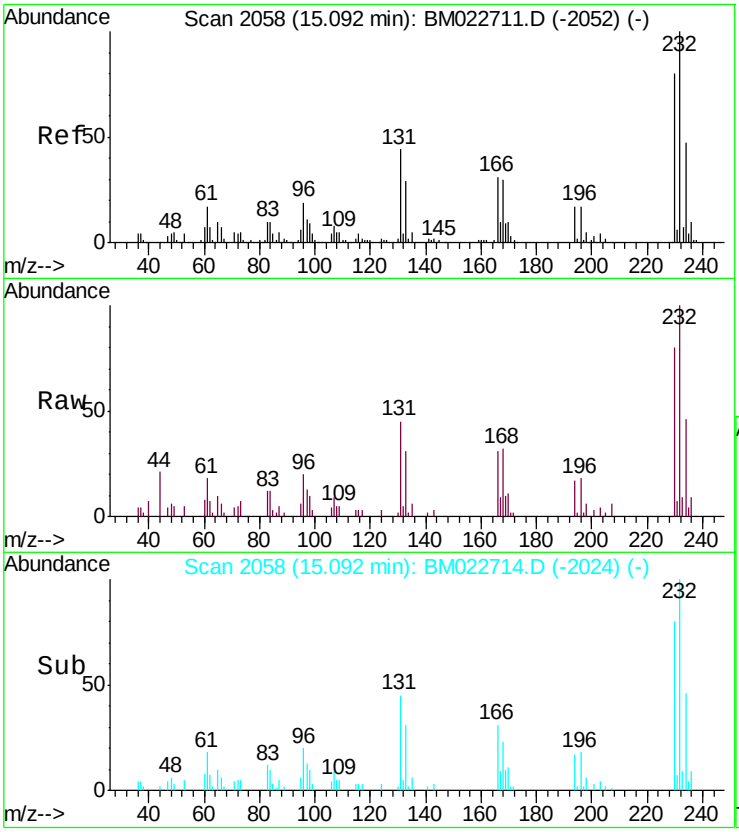


#55
2,4-Dinitrotoluene
Concen: 3.497 ng/ul
RT: 14.82 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:165 Resp: 39759

Ion	Ratio	Lower	Upper
165	100		
63	40.9	35.7	53.5
182	2.8	2.2	3.2

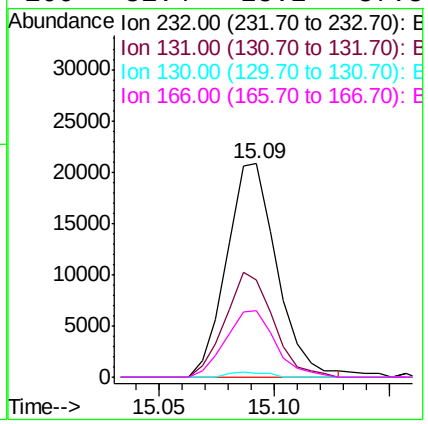




#56
2,3,4,6-Tetrachlorophenol
Concen: 2.989 ng/ul
RT: 15.09 min Scan# 2058
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:232 Resp: 31520

Ion	Ratio	Lower	Upper
232	100		
131	45.4	36.9	55.3
130	1.9	2.0	3.0#
166	31.4	25.2	37.8



Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-03

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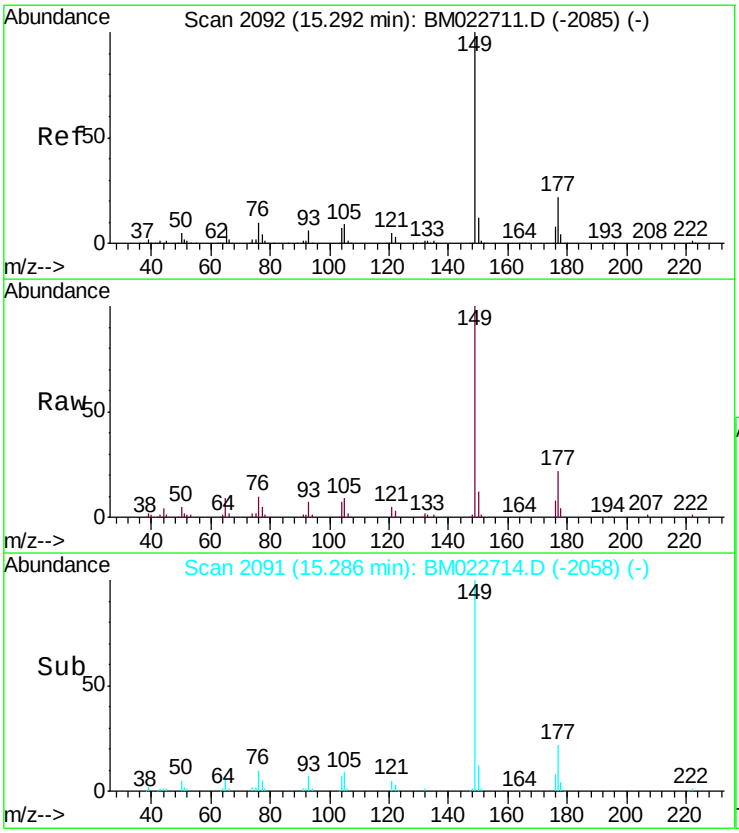
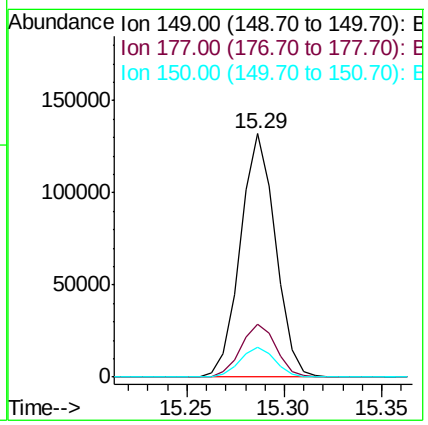
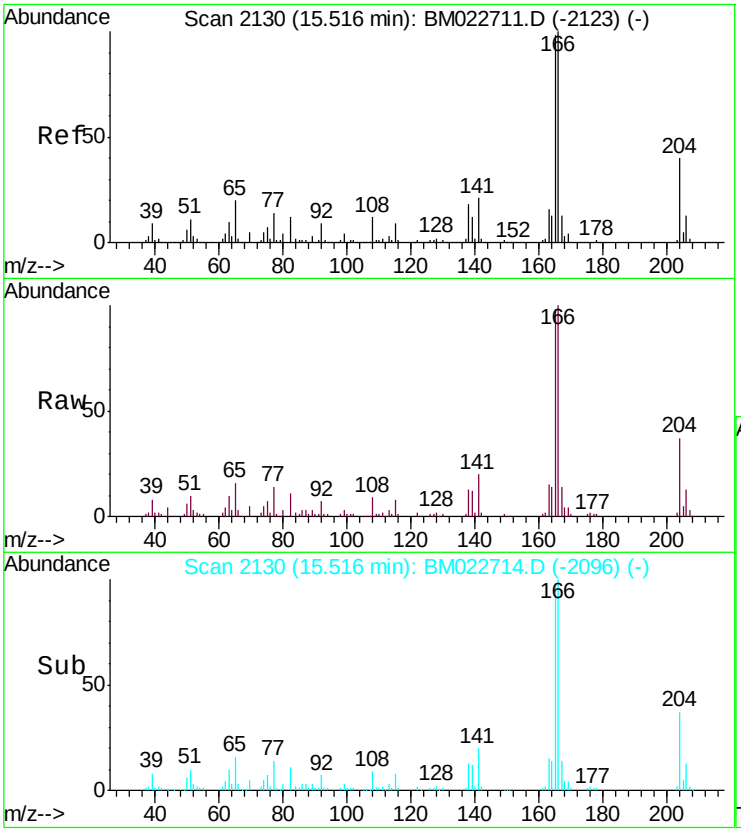


#57
Diethylphthalate
Concen: 3.340 ng/ul
RT: 15.29 min Scan# 2091
Delta R.T. -0.01 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:149 Resp: 164735

Ion	Ratio	Lower	Upper
149	100		
177	21.8	17.3	25.9
150	12.4	10.2	15.2

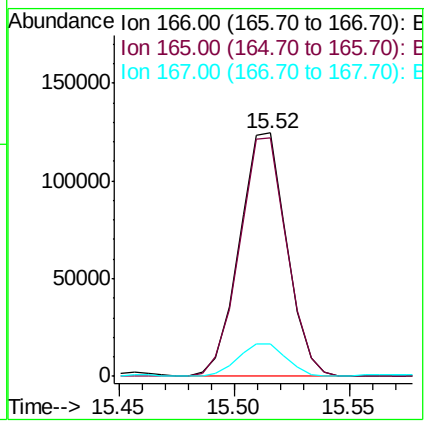




#59
Fluorene
Concen: 3.845 ng/ul
RT: 15.52 min Scan# 2130
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:166 Resp: 177451

Ion	Ratio	Lower	Upper
166	100		
165	97.9	77.8	116.8
167	13.5	10.9	16.3



Instrument :
BNA_M
ClientSampleId :
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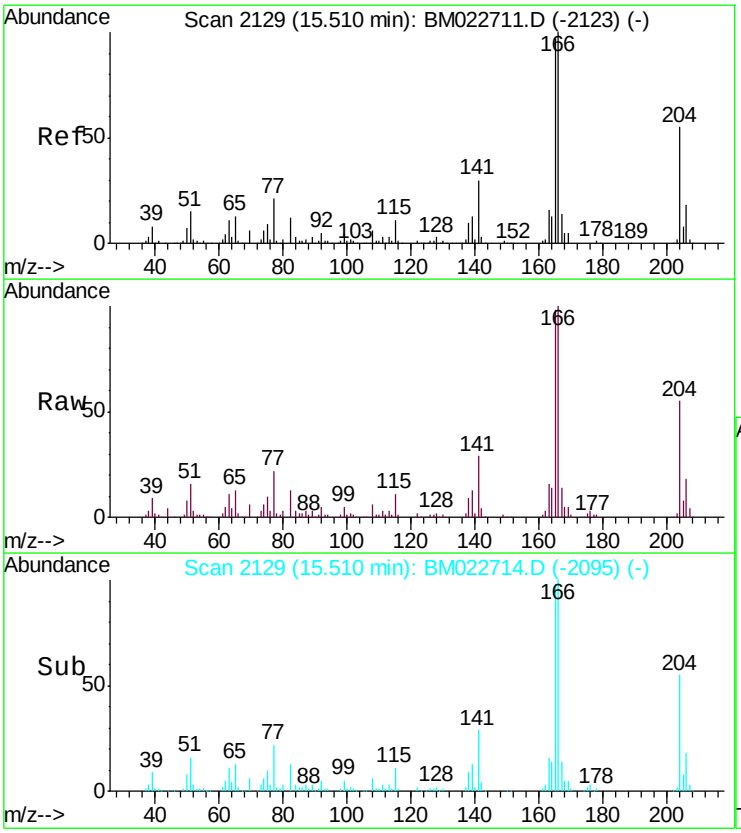
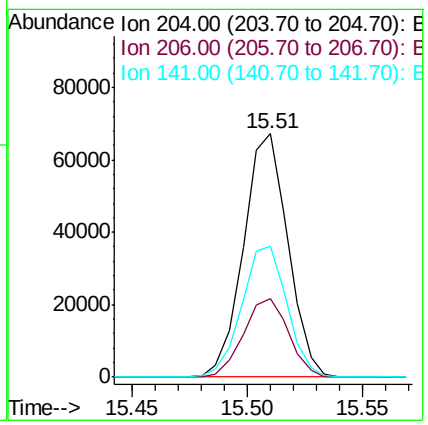
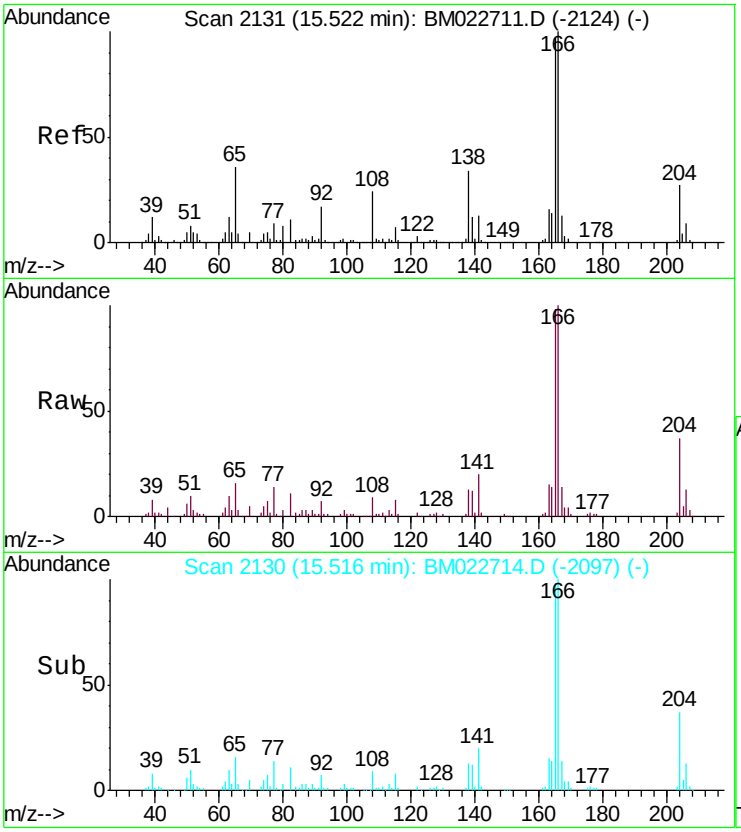


#60
4-Chlorophenyl-phenylether
Concen: 3.950 ng/ul
RT: 15.51 min Scan# 2129
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:204 Resp: 90200

Ion	Ratio	Lower	Upper
204	100		
206	32.4	26.0	39.0
141	53.7	45.4	68.2





#61
4-Nitroaniline
Concen: 2.551 ng/ul
RT: 15.52 min Scan# 2130
Delta R.T. -0.01 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:138 Resp: 24467

Ion	Ratio	Lower	Upper
138	100		
92	50.9	40.3	60.5
108	72.3	62.2	93.2

Instrument :
BNA_M
ClientSampleId :
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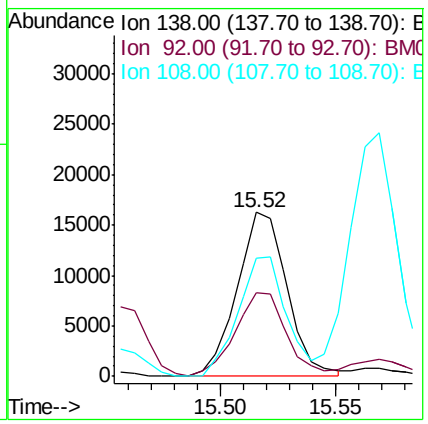
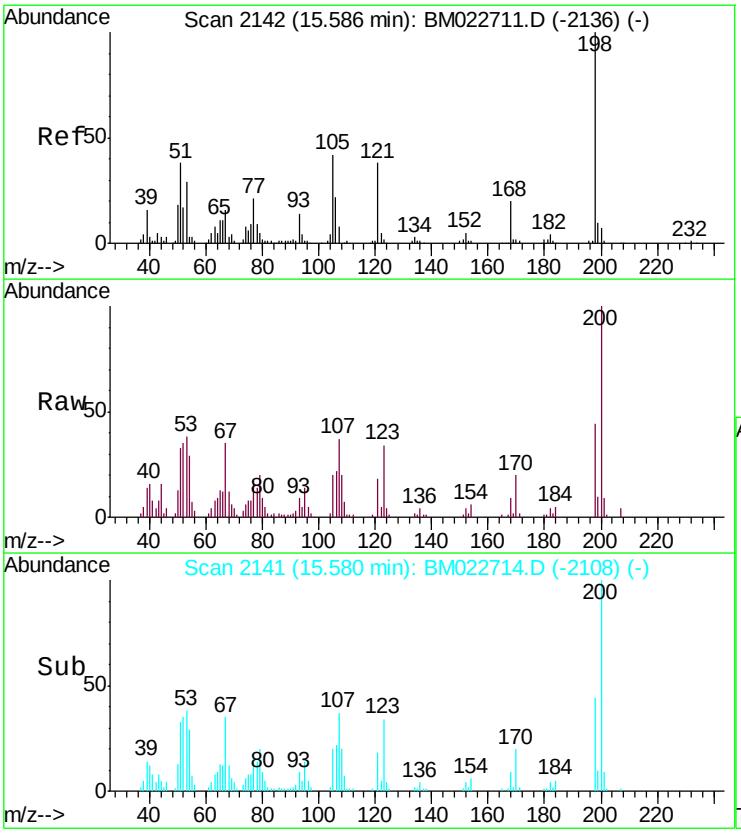
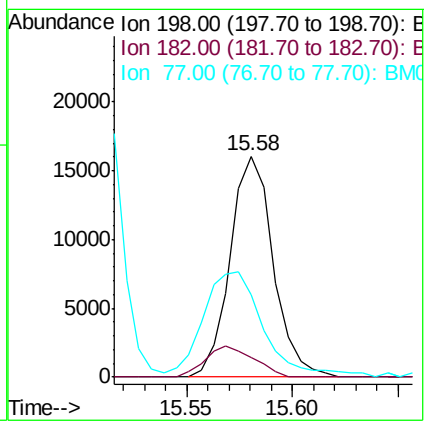


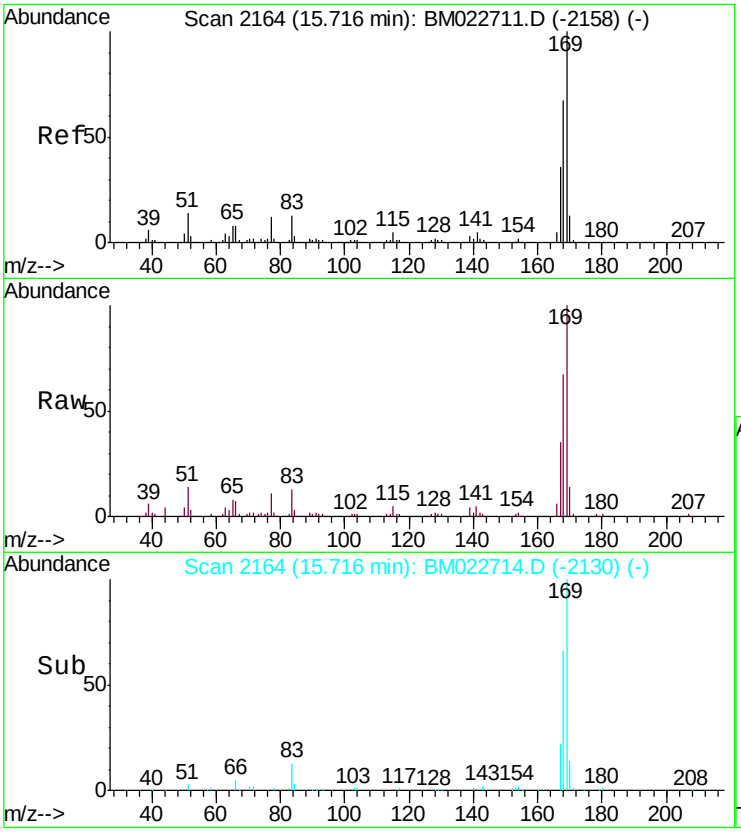


#64
4,6-Dinitro-2-methylphenol
Concen: 3.594 ng/ul
RT: 15.58 min Scan# 2141
Delta R.T. -0.01 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:198 Resp: 22690

Ion	Ratio	Lower	Upper
198	100		
182	9.0	3.4	5.0#
77	37.5	19.7	29.5#

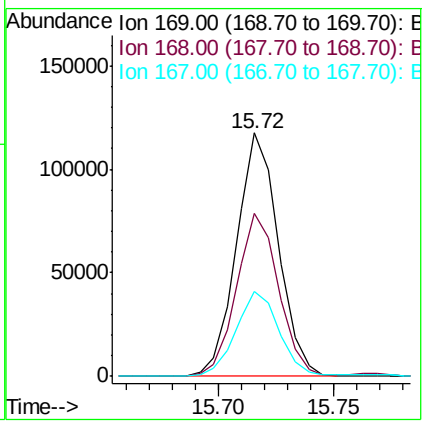




#65
N-Nitrosodiphenylamine
Concen: 3.643 ng/ul
RT: 15.72 min Scan# 2164
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:169 Resp: 149239

Ion	Ratio	Lower	Upper
169	100		
168	66.8	53.5	80.3
167	35.1	29.5	44.3



Instrument :
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ClientSampleId :
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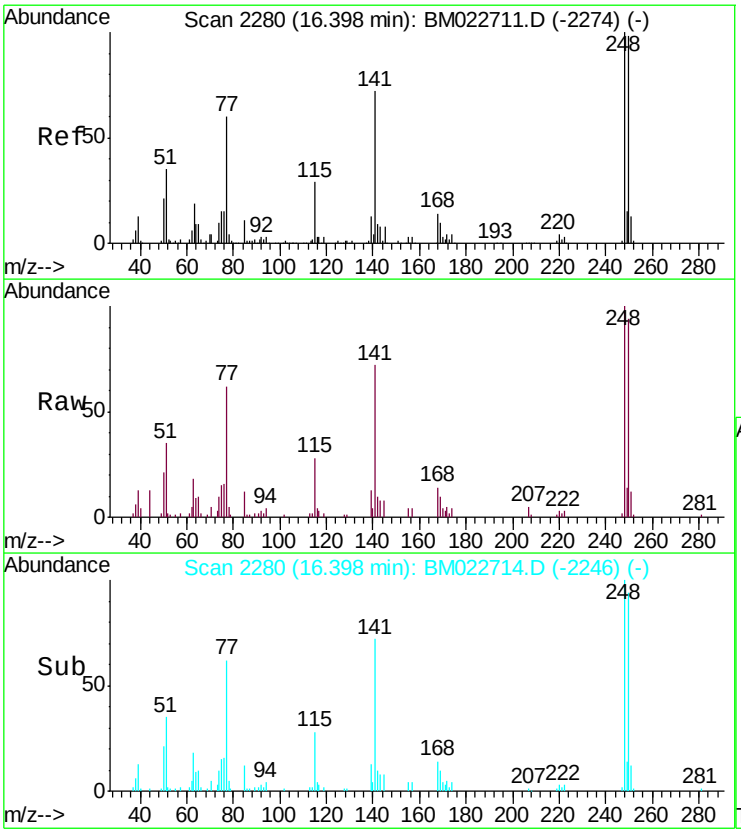
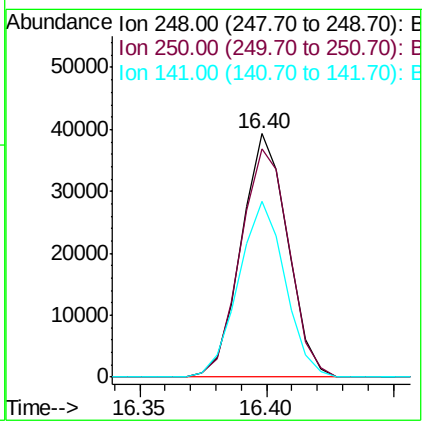
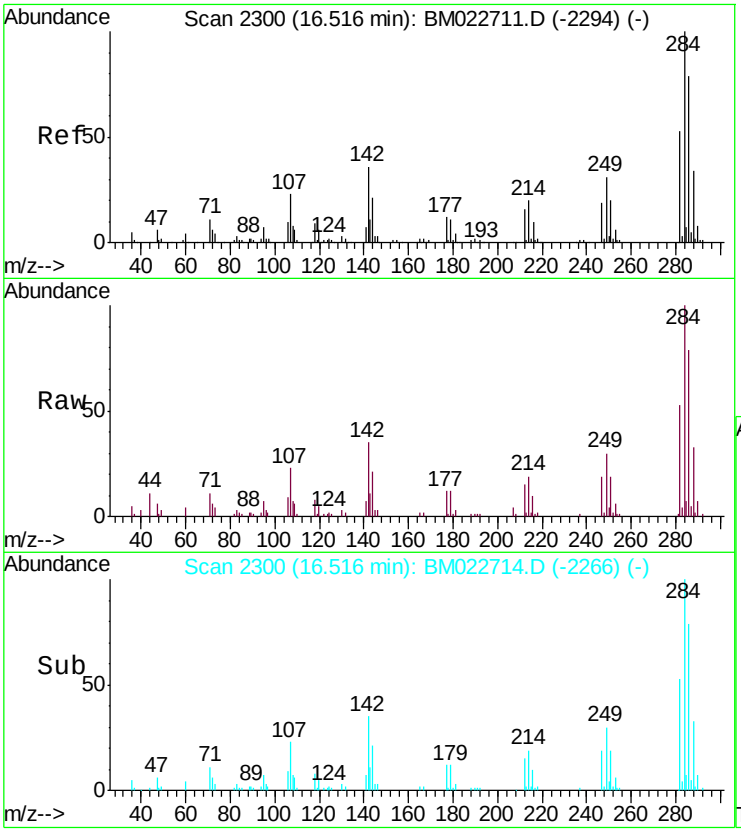


#66
4-Bromophenyl-phenylether
Concen: 3.342 ng/ul
RT: 16.40 min Scan# 2280
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:248 Resp: 50129

Ion	Ratio	Lower	Upper
248	100		
250	93.8	76.3	114.5
141	71.9	57.0	85.4





#67
Hexachlorobenzene
Concen: 3.680 ng/ul
RT: 16.52 min Scan# 2300
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:284 Resp: 60816

Ion	Ratio	Lower	Upper
284	100		
142	35.2	29.3	43.9
249	30.3	24.7	37.1

Instrument :
BNA_M
ClientSampleId :
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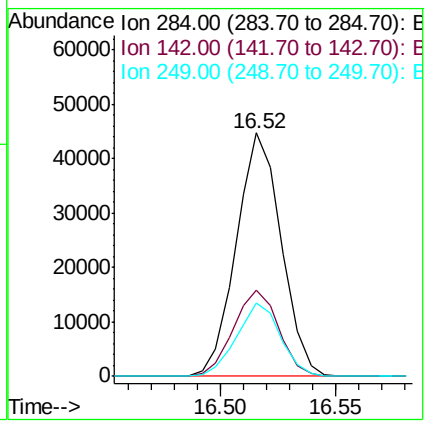
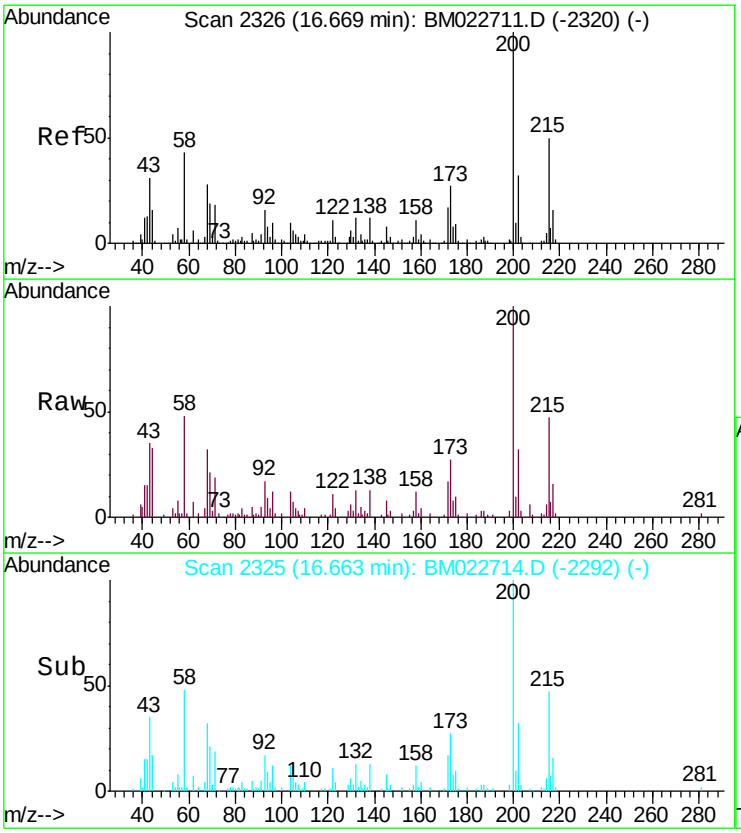
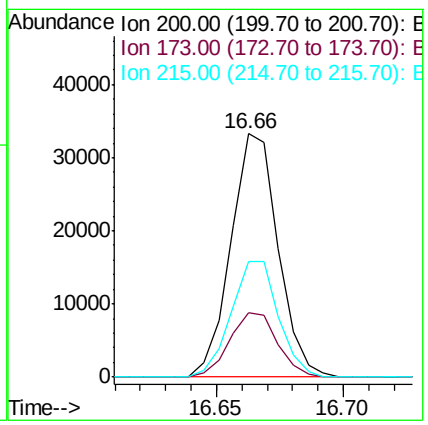


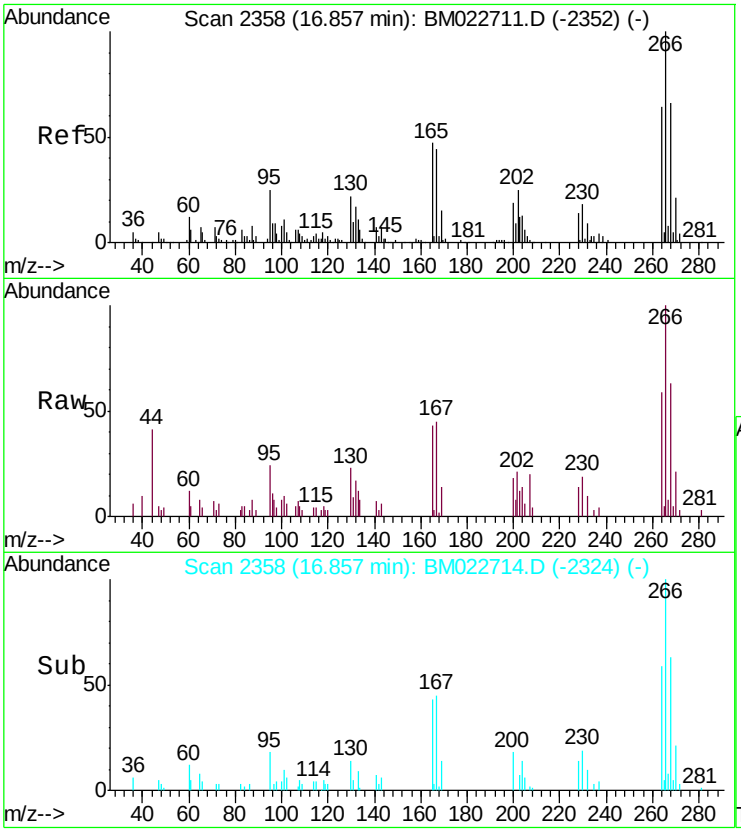


#68
Atrazine
Concen: 2.731 ng/ul
RT: 16.66 min Scan# 2325
Delta R.T. -0.01 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:200 Resp: 43004

Ion	Ratio	Lower	Upper
200	100		
173	26.7	21.6	32.4
215	47.2	39.0	58.4

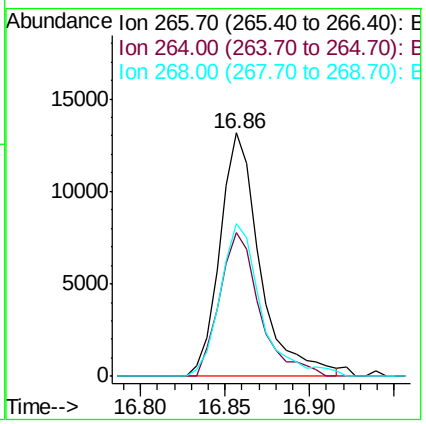




#69
Pentachlorophenol
Concen: 2.376 ng/ul
RT: 16.86 min Scan# 2358
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:266 Resp: 21665

Ion	Ratio	Lower	Upper
266	100		
264	59.0	50.8	76.2
268	62.7	50.9	76.3



Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-03

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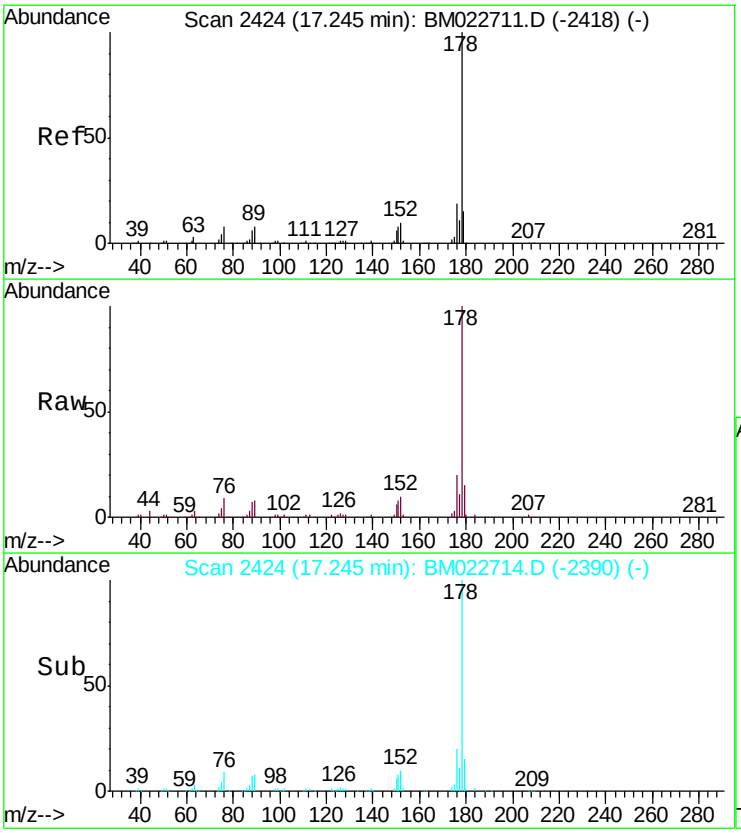
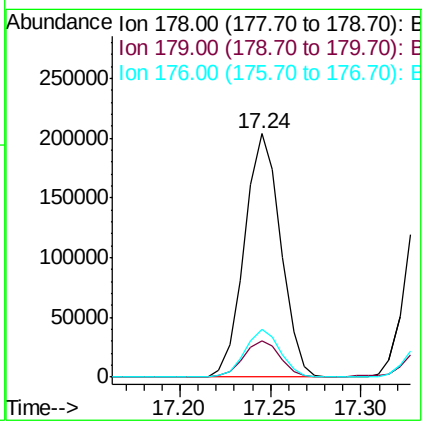
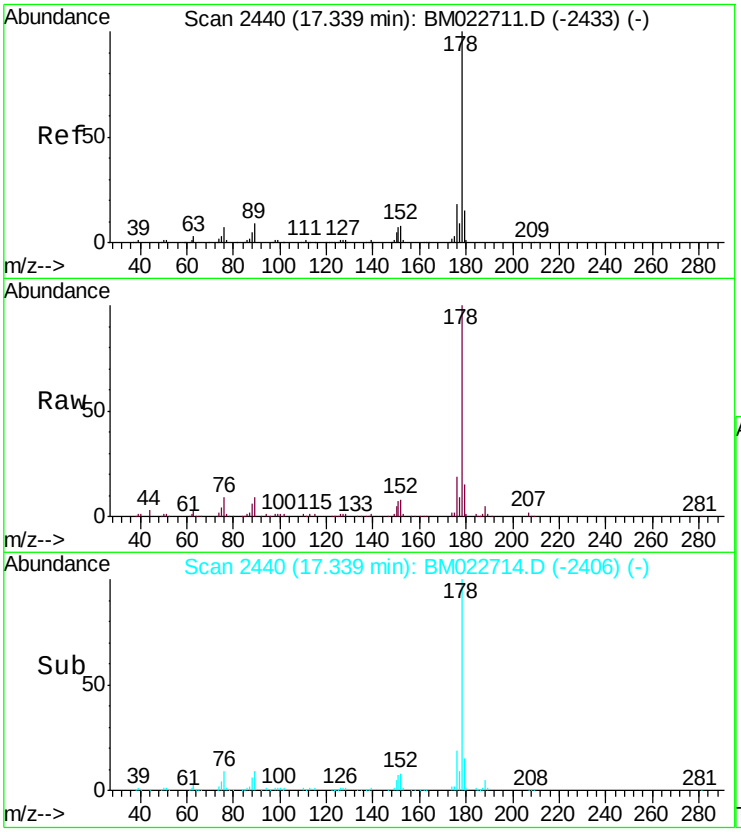


#70
Phenanthrene
Concen: 3.856 ng/ul
RT: 17.24 min Scan# 2424
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:178 Resp: 283415

Ion	Ratio	Lower	Upper
178	100		
179	15.0	12.0	18.0
176	19.7	15.4	23.0

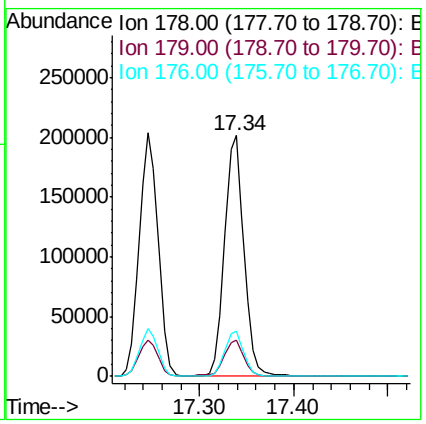




#72
Anthracene
Concen: 3.839 ng/ul
RT: 17.34 min Scan# 2440
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:178 Resp: 289808

Ion	Ratio	Lower	Upper
178	100		
179	15.0	12.3	18.5
176	18.9	14.7	22.1



Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-03

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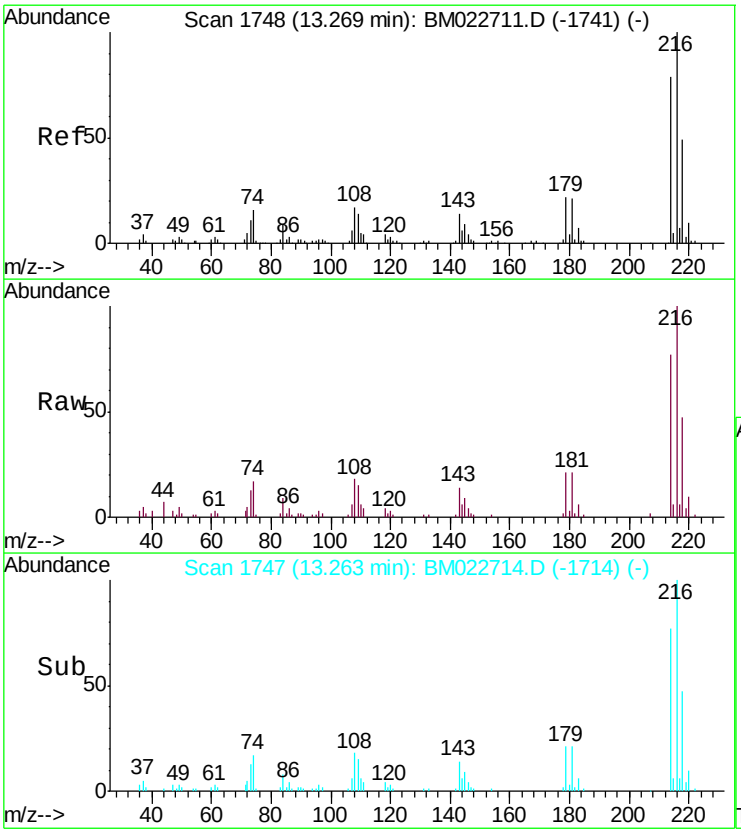
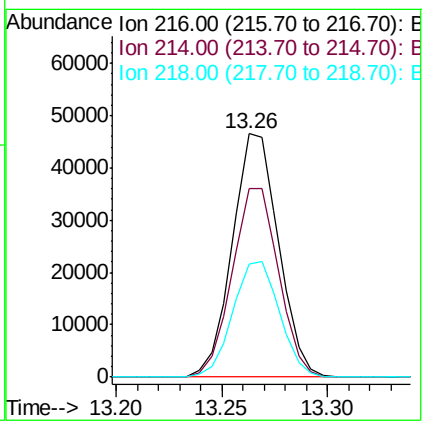
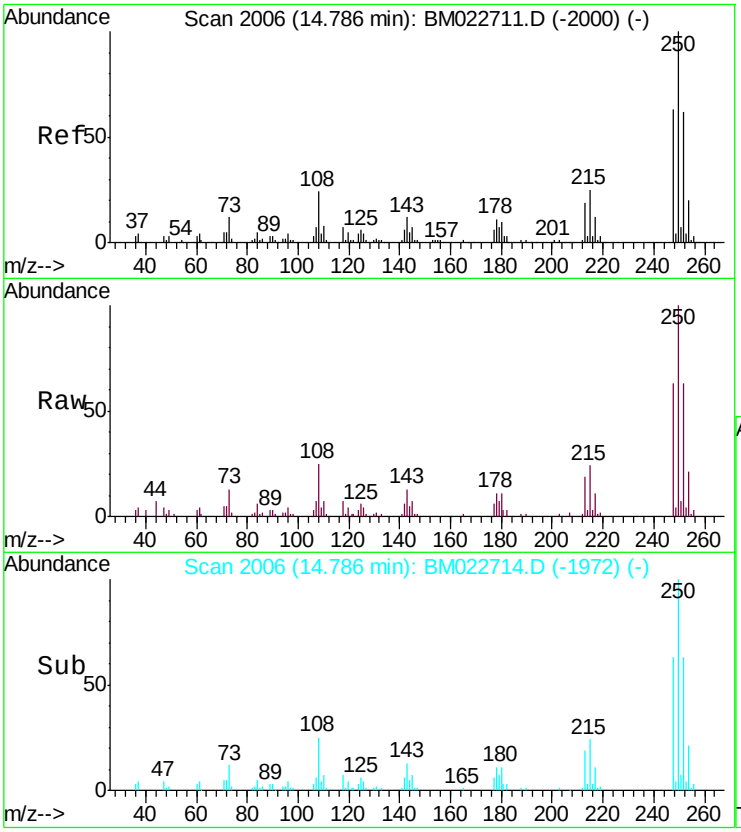


#73
1,2,3,4-Tetrachlorobenzene
Concen: 3.775 ng/uL
RT: 13.26 min Scan# 1747
Delta R.T. -0.01 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:216 Resp: 70552

Ion	Ratio	Lower	Upper
216	100		
214	77.4	62.5	93.7
218	46.5	38.2	57.4

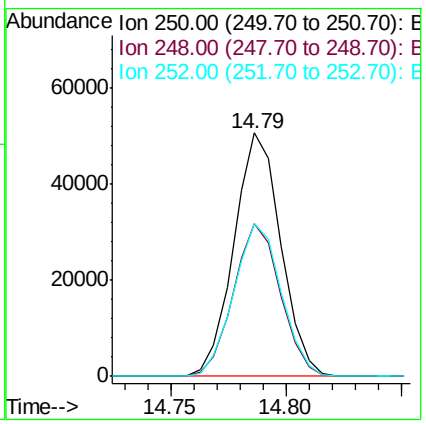




#74
Pentachlorobenzene
Concen: 3.792 ng/uL
RT: 14.79 min Scan# 2006
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:250 Resp: 71425

Ion	Ratio	Lower	Upper
250	100		
248	63.0	51.3	76.9
252	62.9	51.1	76.7



Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-03

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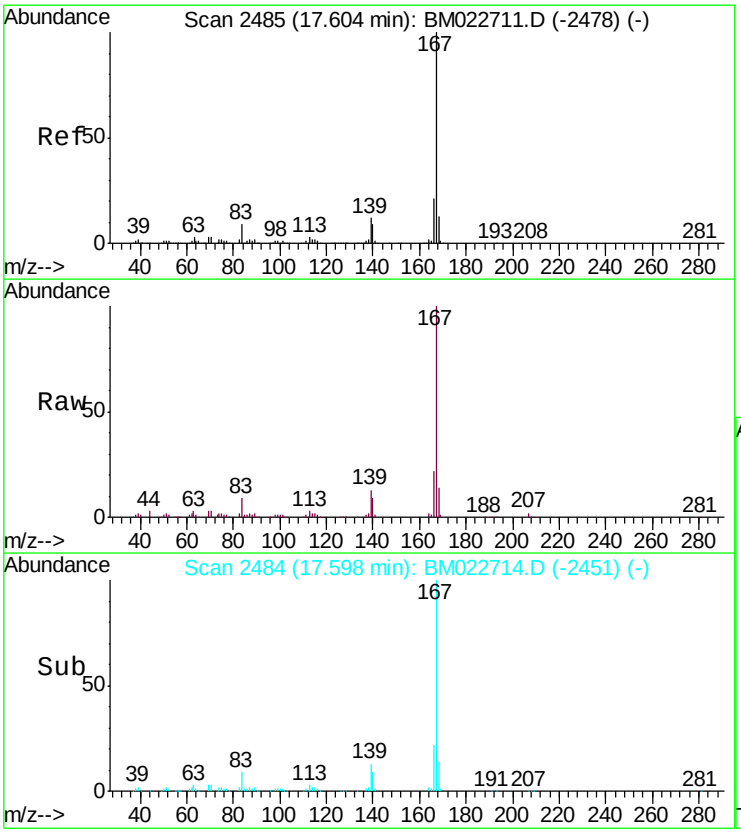
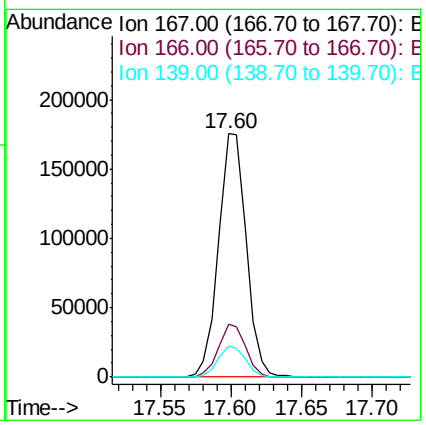
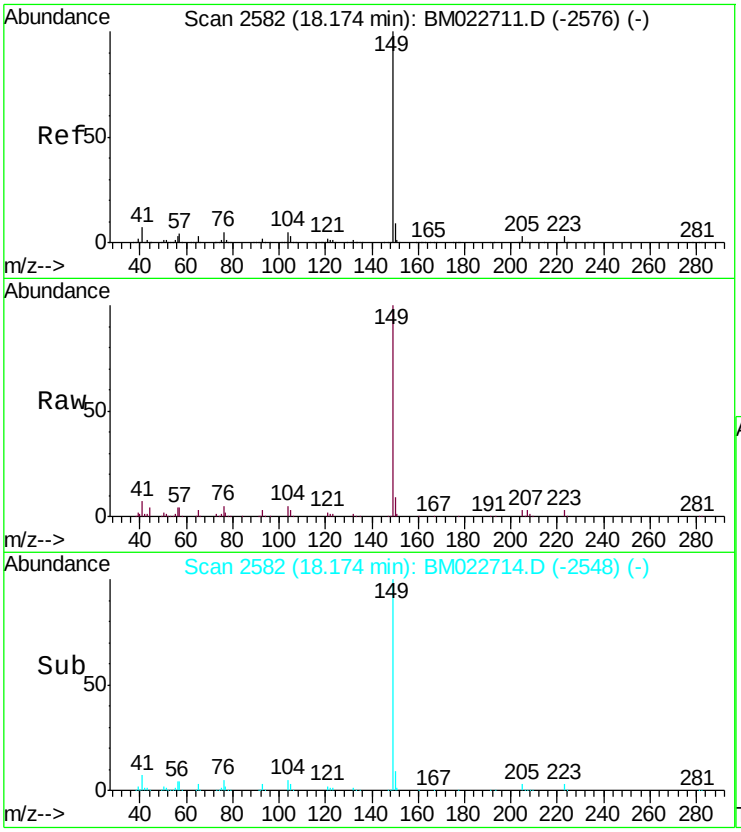


#75
Carbazole
Concen: 3.533 ng/ul
RT: 17.60 min Scan# 2484
Delta R.T. -0.01 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:167 Resp: 239761

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.4	26.0
139	13.0	10.6	15.8

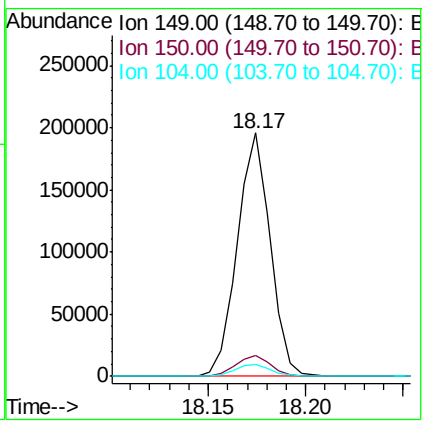




#76
Di-n-butylphthalate
Concen: 2.661 ng/ul
RT: 18.17 min Scan# 2582
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:149 Resp: 228655

Ion	Ratio	Lower	Upper
149	100		
150	8.7	7.3	10.9
104	5.1	3.9	5.9



Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-03

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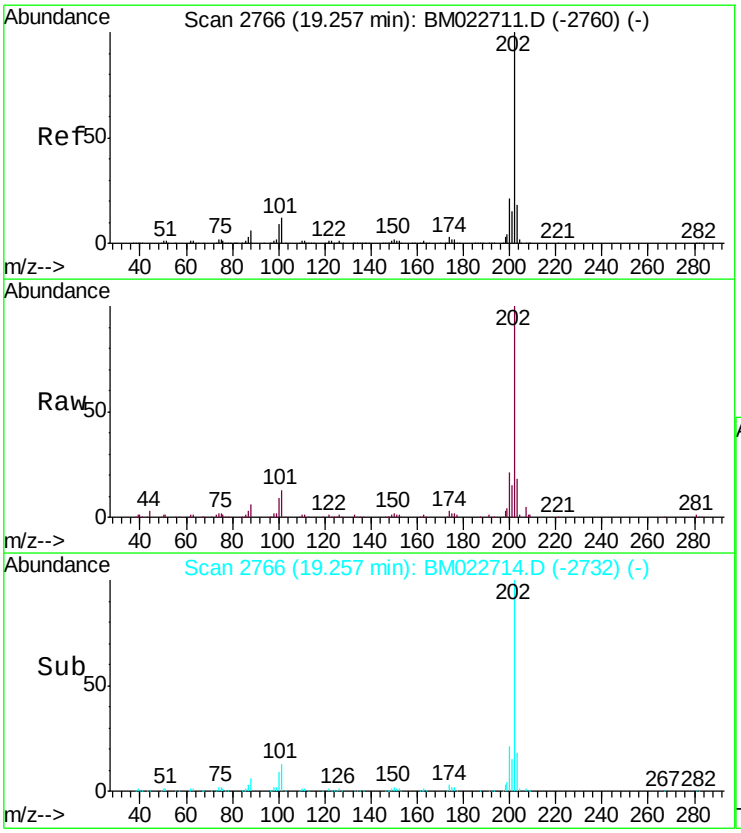
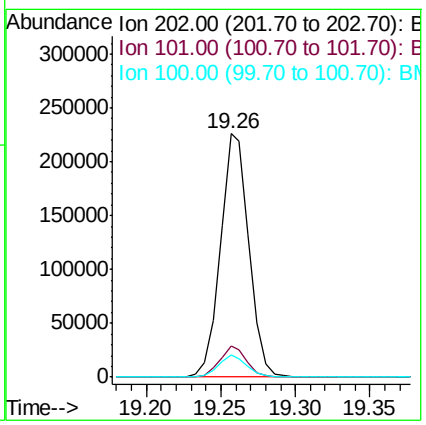
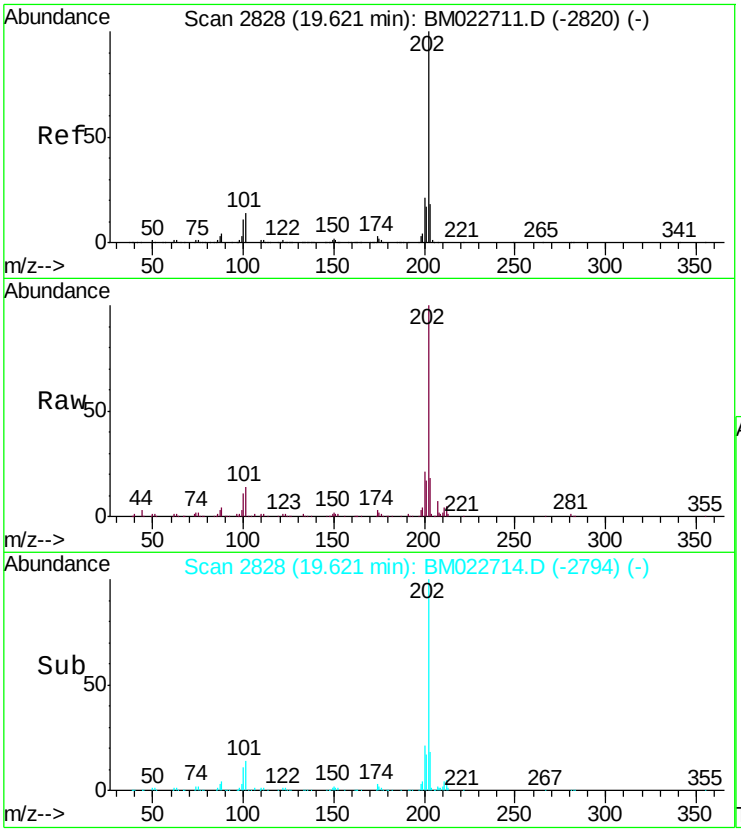


#77
Fluoranthene
Concen: 3.634 ng/ul
RT: 19.26 min Scan# 2766
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:202 Resp: 303108

Ion	Ratio	Lower	Upper
202	100		
101	12.7	8.8	13.2
100	8.9	6.3	9.5

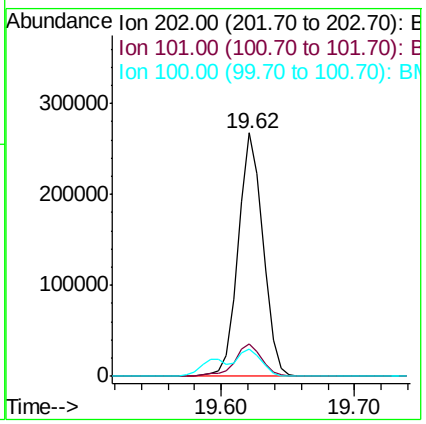




#80
Pyrene
Concen: 4.001 ng/ul
RT: 19.62 min Scan# 2828
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:202 Resp: 342723

Ion	Ratio	Lower	Upper
202	100		
101	13.5	10.6	16.0
100	11.3	8.6	13.0



Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-03

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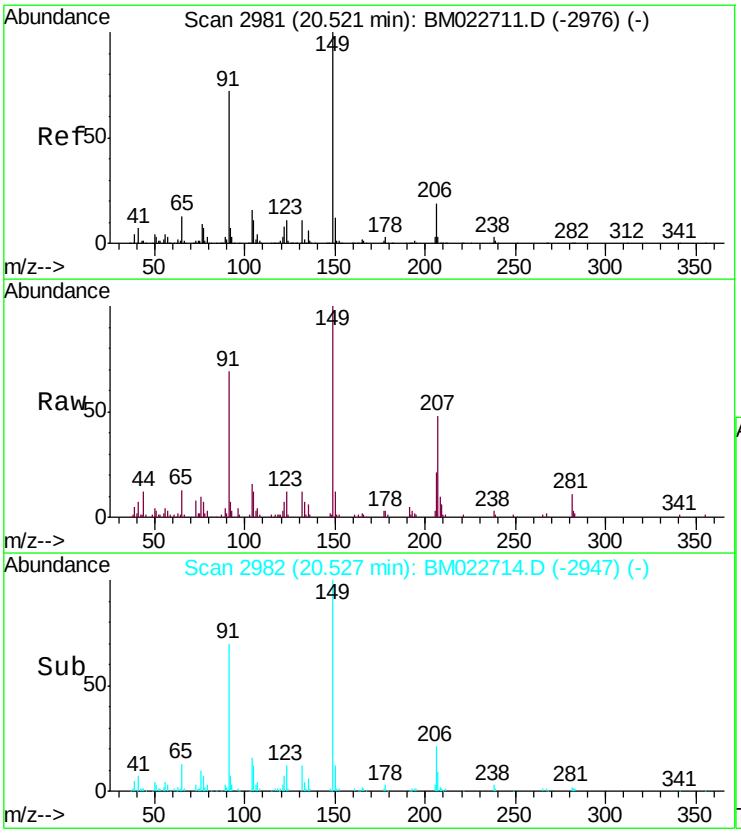
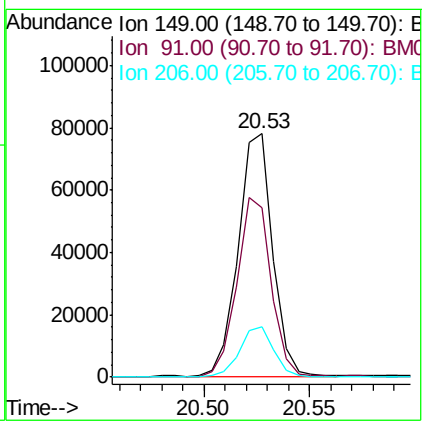
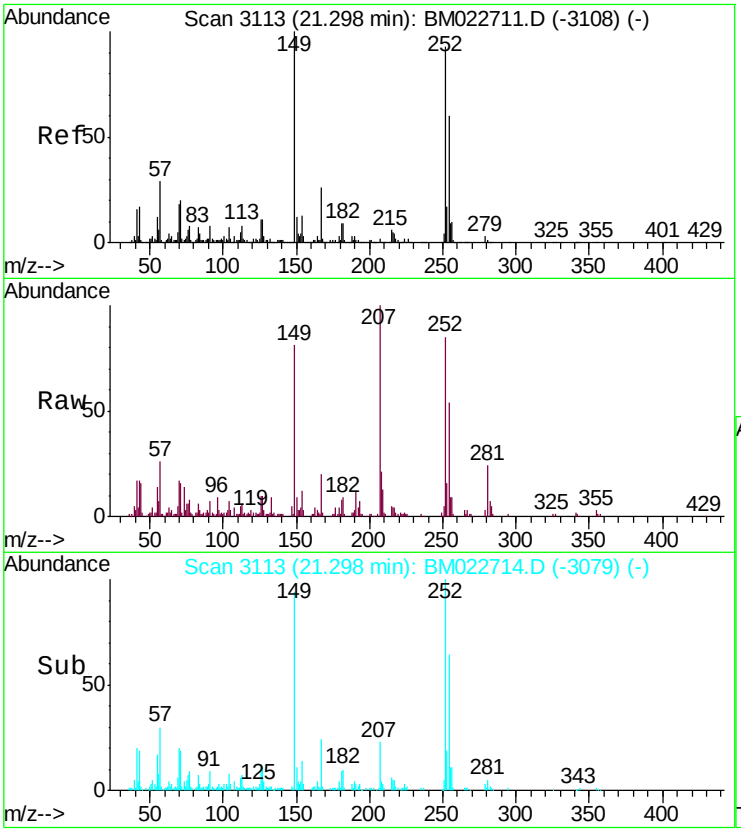


#81
Butylbenzylphthalate
Concen: 2.424 ng/ul
RT: 20.53 min Scan# 2982
Delta R.T. 0.01 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:149 Resp: 87543

Ion	Ratio	Lower	Upper
149	100		
91	69.4	55.4	83.0
206	20.8	17.0	25.4

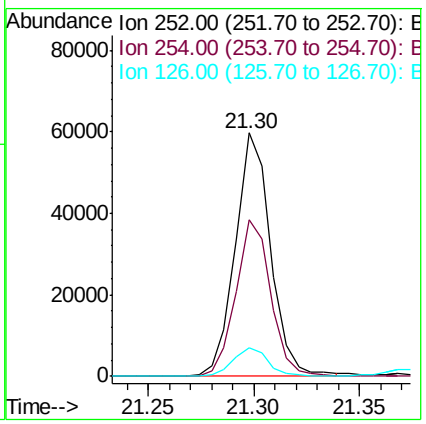




#82
3,3'-Dichlorobenzidine
Concen: 2.304 ng/ul
RT: 21.30 min Scan# 3113
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:252 Resp: 69346

Ion	Ratio	Lower	Upper
252	100		
254	64.3	51.2	76.8
126	11.6	8.6	13.0



Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-03

Manual Integrations APPROVED
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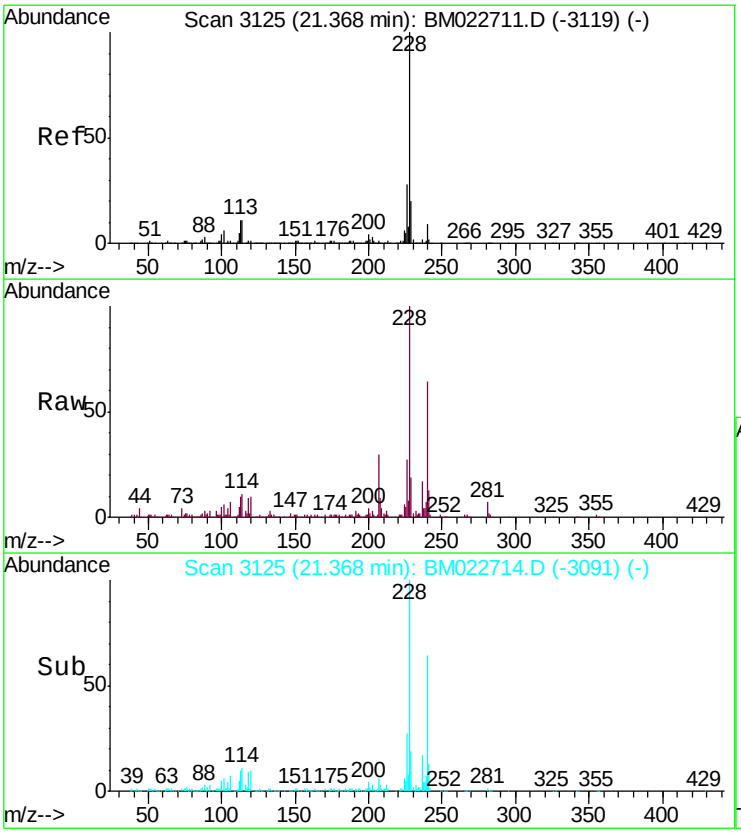
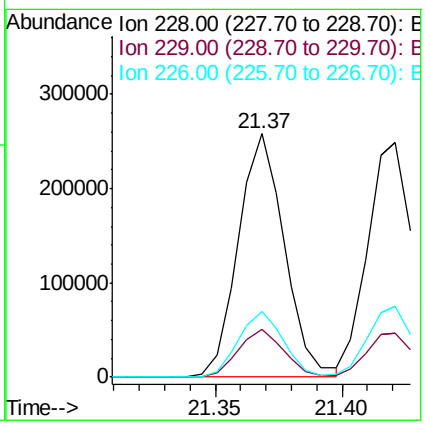
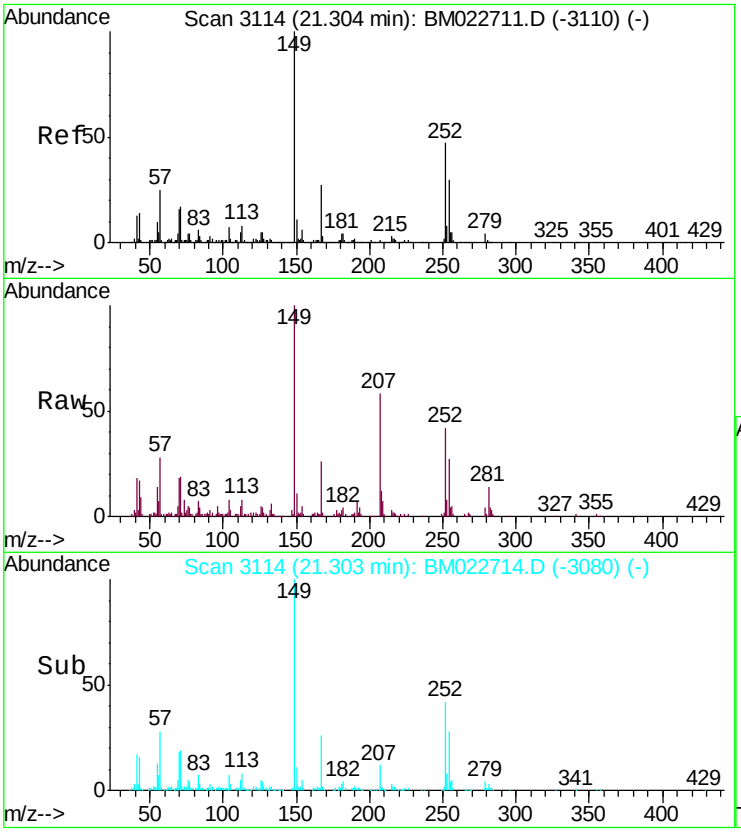


#83
Benzo(a)anthracene
Concen: 3.737 ng/ul
RT: 21.37 min Scan# 3125
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:228 Resp: 328158

Ion	Ratio	Lower	Upper
228	100		
229	19.4	15.7	23.5
226	27.2	22.2	33.2





#84
Bis(2-ethylhexyl)phthalate
Concen: 2.452 ng/ul
RT: 21.30 min Scan# 3114
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:149 Resp: 134404

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

Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-03

Manual Integrations APPROVED
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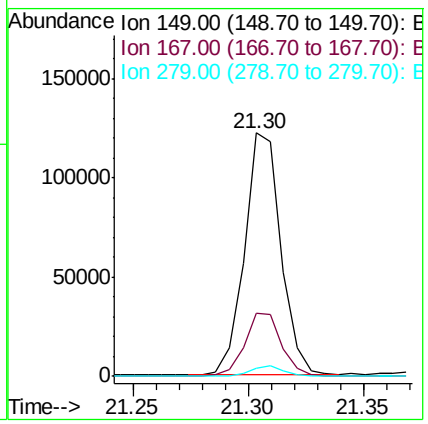
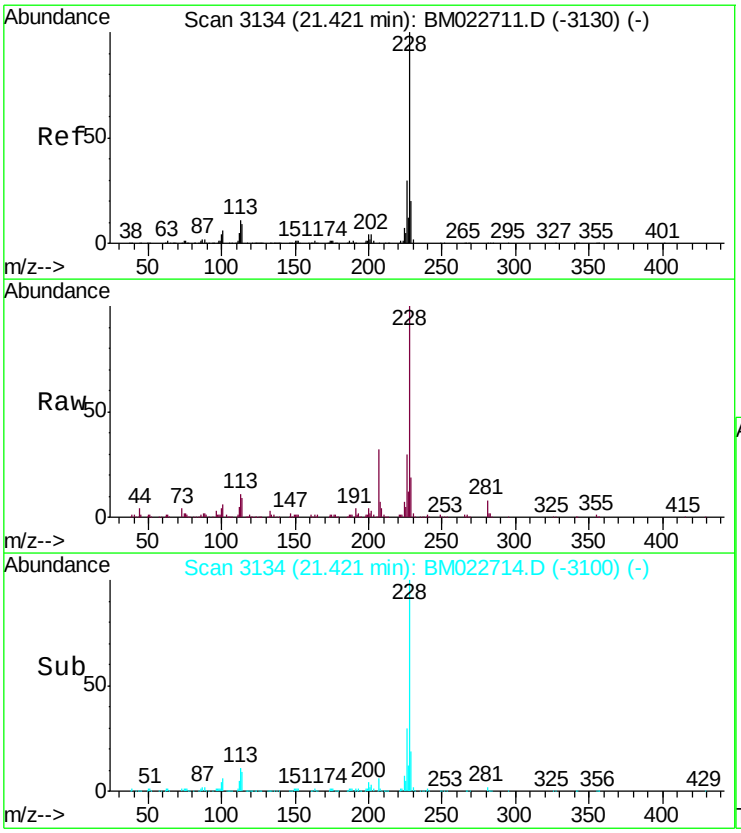
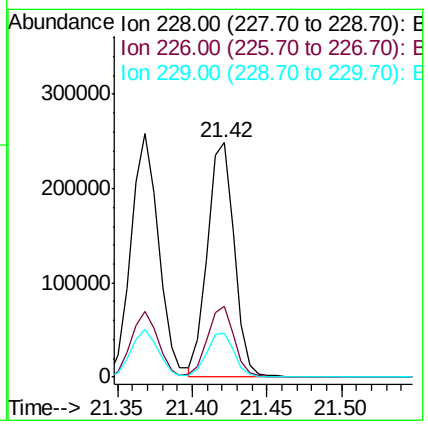


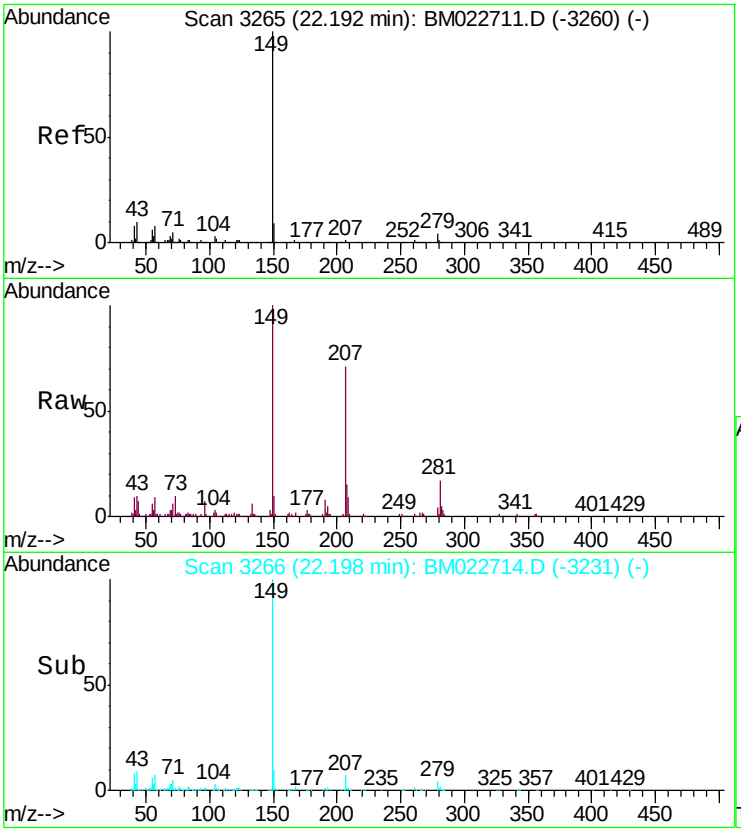


#85
Chrysene
Concen: 3.860 ng/ul
RT: 21.42 min Scan# 3134
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:228 Resp: 311894

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: 2.452 ng/ul
RT: 22.20 min Scan# 3266
Delta R.T. 0.01 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:149 Resp: 209523

Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-03

Manual Integrations APPROVED
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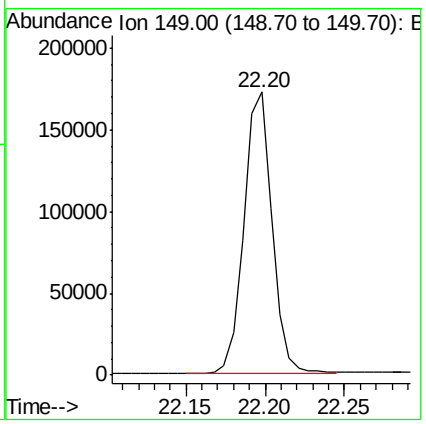
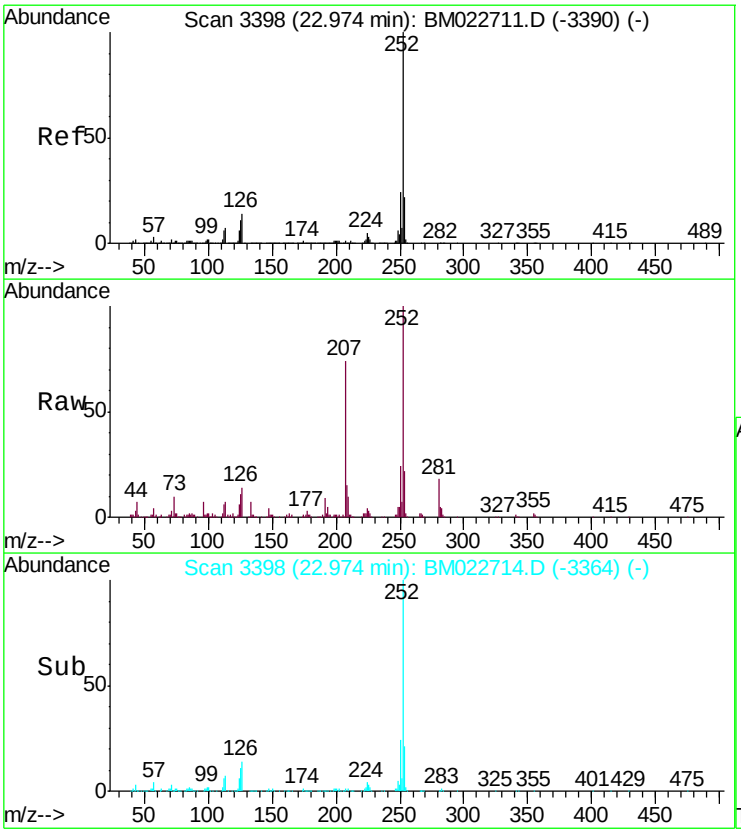
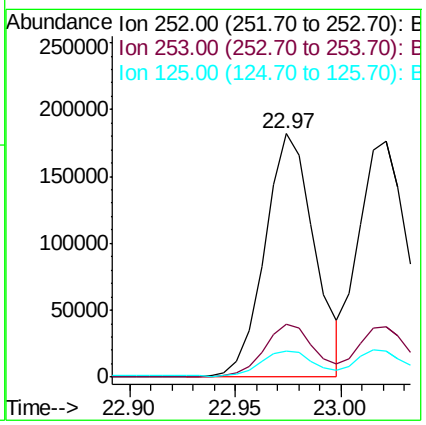


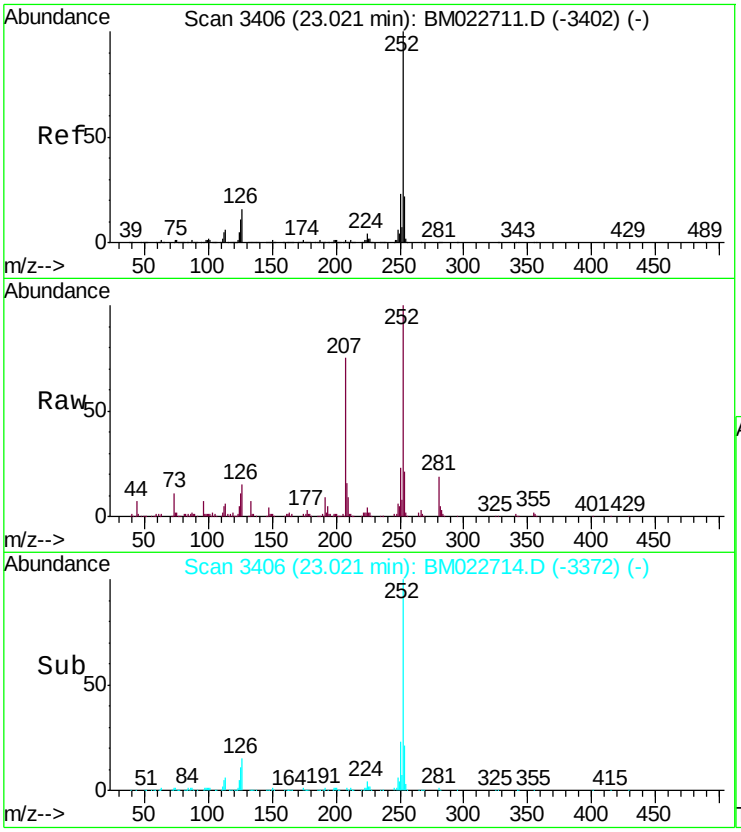


#88
Benzo(b)fluoranthene
Concen: 3.764 ng/ul
RT: 22.97 min Scan# 3398
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:252 Resp: 295611

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.8	26.6
125	10.9	8.0	12.0

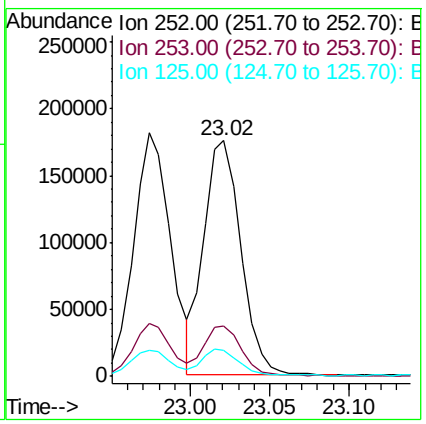




#89
Benzo(k)fluoranthene
Concen: 3.736 ng/ul
RT: 23.02 min Scan# 3406
Delta R.T. -0.00 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:252 Resp: 285169

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.4	26.2
125	11.0	8.2	12.2



Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-03

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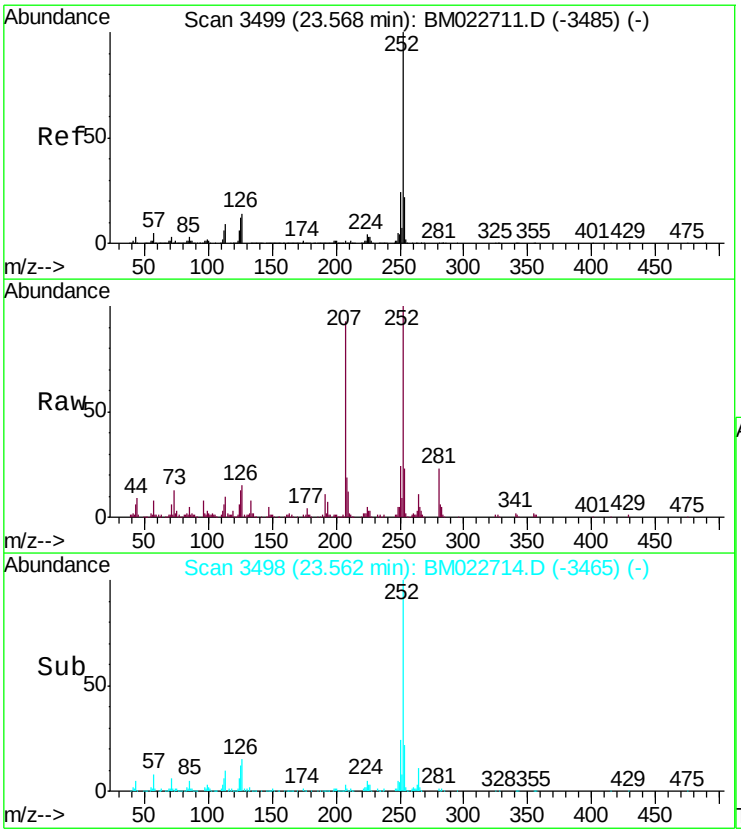
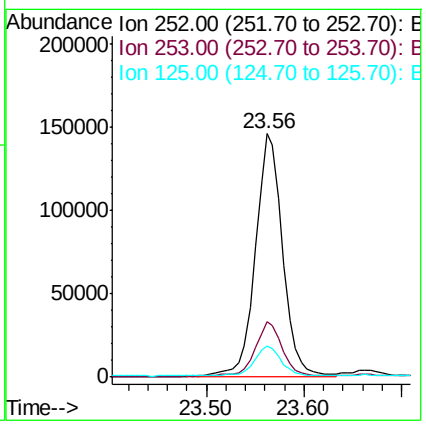
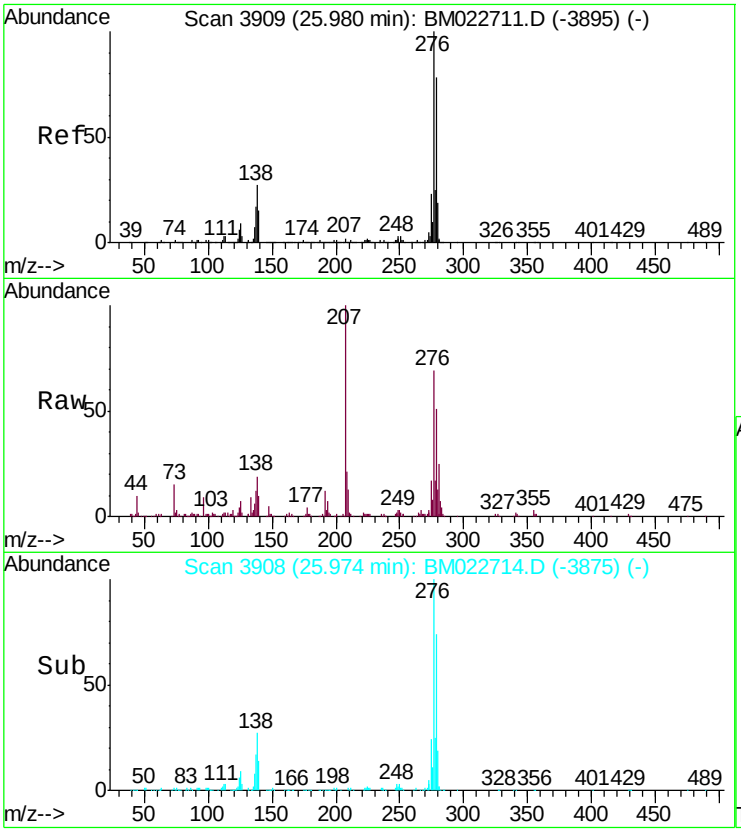


#91
Benzo(a)pyrene
Concen: 3.812 ng/ul
RT: 23.56 min Scan# 3498
Delta R.T. -0.01 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:252 Resp: 285685

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	12.7	8.9	13.3





#92
Indeno(1,2,3-cd)pyrene
Concen: 3.069 ng/ul
RT: 25.97 min Scan# 3908
Delta R.T. -0.01 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:276 Resp: 265717

Ion	Ratio	Lower	Upper
276	100		
138	27.1	19.2	28.8
277	24.8	19.8	29.8

Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-03

Manual Integrations APPROVED
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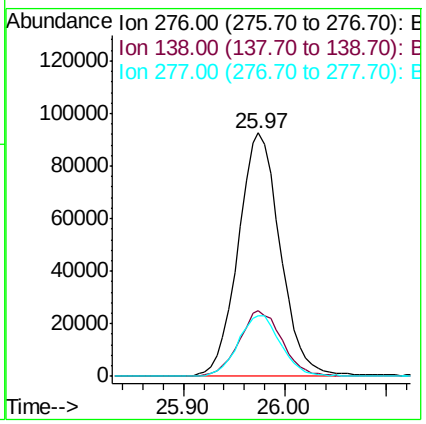
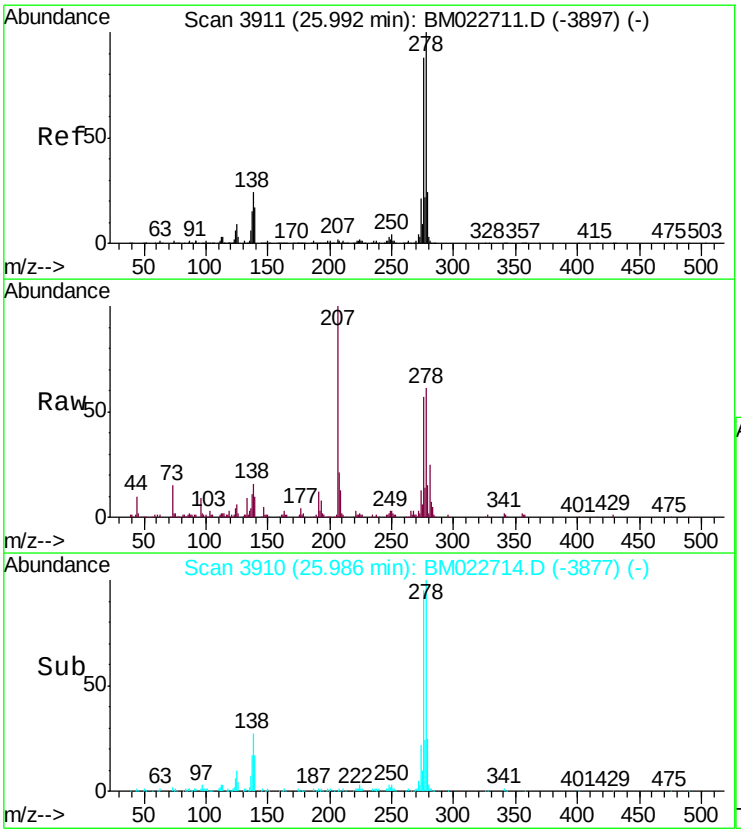
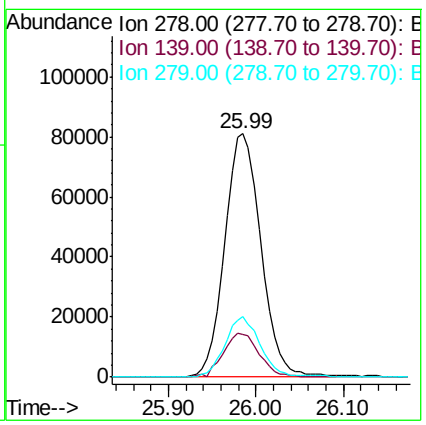


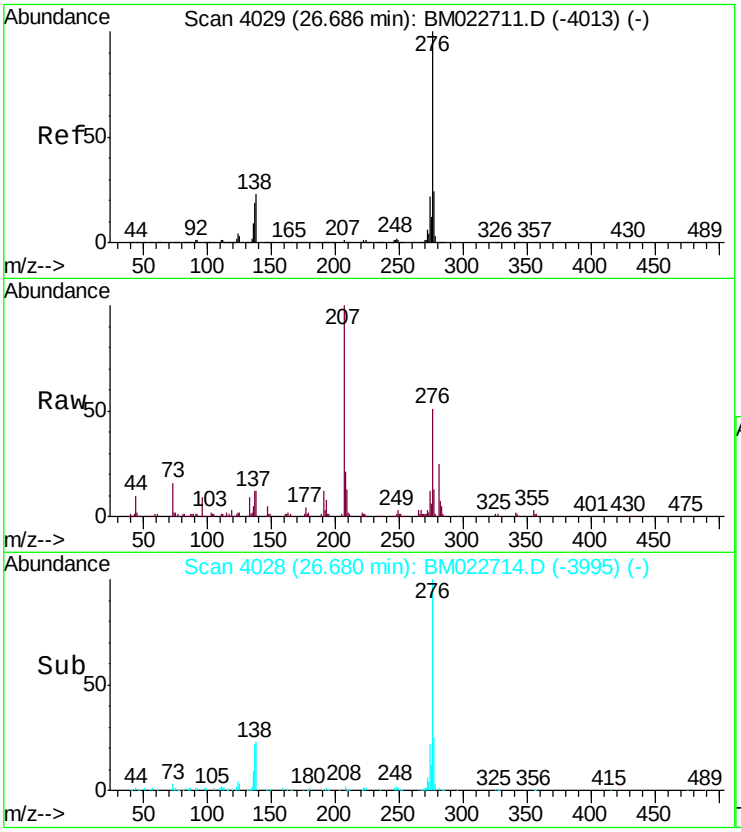


#93
Dibenzo(a,h)anthracene
Concen: 3.174 ng/ul
RT: 25.99 min Scan# 3910
Delta R.T. -0.01 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:278 Resp: 228630

Ion	Ratio	Lower	Upper
278	100		
139	17.3	13.3	19.9
279	24.6	19.2	28.8

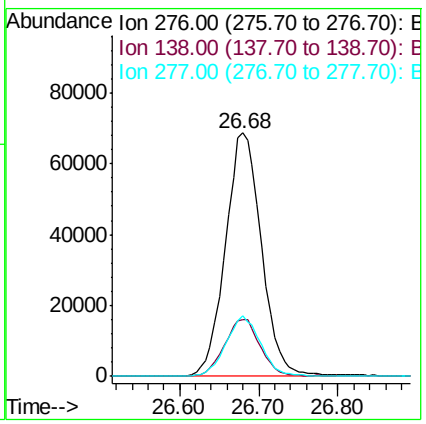




#94
Benzo(g,h,i)perylene
Concen: 3.041 ng/ul
RT: 26.68 min Scan# 4028
Delta R.T. -0.01 min
Lab File: BM022714.D
Acq: 18 Sep 2019 13:45

Tgt Ion:276 Resp: 216248

Ion	Ratio	Lower	Upper
276	100		
138	23.0	17.0	25.6
277	24.8	18.8	28.2



Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-03

Manual Integrations APPROVED
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Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091819\
Data File : BM022714.D
Acq On : 18 Sep 2019 13:45
Operator : HP/JU
Sample : MDL-S-ME-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : MDL-S-ME-03

Manual Integrations APPROVED
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Quant Time: Sep 18 15:49:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090519MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Sep 18 15:34:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	200629	20.00	ng/ul	0.00
18) Naphthalene-d8	10.63	136	890866	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.47	164	579558	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.20	188	1200354	20.00	ng/ul	0.00
78) Chrysene-d12	21.39	240	1183657	20.00	ng/ul	0.00
86) Perylene-d12	23.66	264	1193817	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.30	96	8021	1.67	ng/uL	0.00
5) Phenol-d5	6.99	99	486938	26.31	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.16	67	295163	27.83	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	398067	27.23	ng/ul	0.00
13) 4-Methylphenol-d8	8.53	113	401385	26.68	ng/ul	0.00
19) Nitrobenzene-d5	8.99	128	201530	31.35	ng/ul	0.00
22) 2-Nitrophenol-d4	9.71	143	192277	32.45	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.25	165	391722	26.03	ng/ul	0.00
29) 4-Chloroaniline-d4	10.76	131	589282	29.64	ng/ul	0.00
44) Dimethylphthalate-d6	13.87	166	1309142	27.87	ng/ul	0.00
47) Acenaphthylene-d8	14.16	160	1655388	29.44	ng/ul	0.00
52) 4-Nitrophenol-d4	14.65	143	222523	27.74	ng/ul	0.00
58) Fluorene-d10	15.46	176	1153265	29.33	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.57	200	150444	27.57	ng/ul	0.00
71) Anthracene-d10	17.30	188	1795353	29.20	ng/ul	0.00
79) Pyrene-d10	19.59	212	1969205	29.98	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.52	264	1832353	28.56	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.33	88	8121	1.676	ng/uL	98
4) Benzaldehyde	6.98	77	29359	3.038	ng/ul	99
6) Phenol	7.02	94	69689	3.604	ng/ul	97
8) Bis(2-Chloroethyl)ether	7.26	93	57038	3.883	ng/ul	96
10) 2-Chlorophenol	7.40	128	55550	3.615	ng/ul	98
11) 2-Methylphenol	8.27	108	46224	3.063	ng/ul	100
12) 2,2'-oxybis(1-Chloropropan	8.36	45	80821	3.742	ng/ul	97
14) Acetophenone	8.65	105	90807	3.868	ng/ul	98
15) N-Nitroso-di-n-propylamine	8.65	70	44077	3.476	ng/ul	95
16) 4-Methylphenol	8.60	108	56039	3.439	ng/ul	100
17) Hexachloroethane	8.92	117	23255	3.820	ng/ul	99
20) Nitrobenzene	9.03	77	66664	4.146	ng/ul	100
21) Isophorone	9.56	82	115264	3.199	ng/ul	99
23) 2-Nitrophenol	9.74	139	29247	4.158	ng/ul	98
24) 2,4-Dimethylphenol	9.80	107	59595	3.379	ng/ul	99
25) Bis(2-Chloroethoxy)methane	10.04	93	79924	3.783	ng/ul	99
27) 2,4-Dichlorophenol	10.27	162	54546	3.672	ng/ul	92
28) Naphthalene	10.68	128	193900	3.926	ng/ul	99
30) 4-Chloroaniline	10.78	127	78188	3.829	ng/ul	97
31) Hexachlorobutadiene	10.97	225	34619	3.783	ng/ul	98
32) Caprolactam	11.59	113	12478m	2.256	ng/ul	
33) 4-Chloro-3-methylphenol	11.90	107	49421	3.015	ng/ul	97
34) 2-Methylnaphthalene	12.29	142	139736	3.755	ng/ul	97

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091819\
Data File : BM022714.D
Acq On : 18 Sep 2019 13:45
Operator : HP/JU
Sample : MDL-S-ME-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 15:49:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090519MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Sep 18 15:34:25 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-03

Manual Integrations APPROVED
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) 1-Methylnaphthalene	12.51	142	133403	3.752	ng/ul	98
37) 1,2,4,5-Tetrachlorobenzene	12.66	216	70280	3.758	ng/ul	99
38) Hexachlorocyclopentadiene	12.65	237	33071	2.869	ng/ul	98
39) 2,4,6-Trichlorophenol	12.90	196	35704	3.050	ng/ul	97
40) 2,4,5-Trichlorophenol	12.96	196	41823	3.295	ng/ul	99
41) 1,1'-Biphenyl	13.30	154	186260	3.859	ng/ul	100
42) 2-Chloronaphthalene	13.34	162	140637	3.849	ng/ul	99
43) 2-Nitroaniline	13.54	65	28775	3.373	ng/ul	98
45) Dimethylphthalate	13.92	163	178007	3.734	ng/ul	99
46) 2,6-Dinitrotoluene	14.03	165	25739	3.316	ng/ul	97
48) Acenaphthylene	14.19	152	222109	3.808	ng/ul	100
49) 3-Nitroaniline	14.36	138	22704	2.698	ng/ul#	98
50) Acenaphthene	14.53	153	152437	3.772	ng/ul	99
51) 2,4-Dinitrophenol	14.56	184	12523	3.517	ng/ul#	73
53) 4-Nitrophenol	14.66	109	22674	3.518	ng/ul	88
54) Dibenzofuran	14.86	168	223709	3.988	ng/ul	98
55) 2,4-Dinitrotoluene	14.82	165	39759	3.497	ng/ul	95
56) 2,3,4,6-Tetrachlorophenol	15.09	232	31520	2.989	ng/ul#	99
57) Diethylphthalate	15.29	149	164735	3.340	ng/ul	100
59) Fluorene	15.52	166	177451	3.845	ng/ul	99
60) 4-Chlorophenyl-phenylether	15.51	204	90200	3.950	ng/ul	97
61) 4-Nitroaniline	15.52	138	24467	2.551	ng/ul	96
64) 4,6-Dinitro-2-methylphenol	15.58	198	22690	3.594	ng/ul#	76
65) N-Nitrosodiphenylamine	15.72	169	149239	3.643	ng/ul	99
66) 4-Bromophenyl-phenylether	16.40	248	50129	3.342	ng/ul	99
67) Hexachlorobenzene	16.52	284	60816	3.680	ng/ul	98
68) Atrazine	16.66	200	43004	2.731	ng/ul	98
69) Pentachlorophenol	16.86	266	21665	2.376	ng/ul	97
70) Phenanthrene	17.24	178	283415	3.856	ng/ul	99
72) Anthracene	17.34	178	289808	3.839	ng/ul	99
73) 1,2,3,4-Tetrachlorobenzene	13.26	216	70552	3.775	ng/uL	99
74) Pentachlorobenzene	14.79	250	71425	3.792	ng/uL	99
75) Carbazole	17.60	167	239761	3.533	ng/ul	100
76) Di-n-butylphthalate	18.17	149	228655	2.661	ng/ul	99
77) Fluoranthene	19.26	202	303108	3.634	ng/ul	96
80) Pyrene	19.62	202	342723	4.001	ng/ul	99
81) Butylbenzylphthalate	20.53	149	87543	2.424	ng/ul	100
82) 3,3'-Dichlorobenzidine	21.30	252	69346	2.304	ng/ul	99
83) Benzo(a)anthracene	21.37	228	328158	3.737	ng/ul	99
84) Bis(2-ethylhexyl)phthalate	21.30	149	134404	2.452	ng/ul	97
85) Chrysene	21.42	228	311894	3.860	ng/ul	99
87) Di-n-octyl phthalate	22.20	149	209523	2.452	ng/ul	100
88) Benzo(b)fluoranthene	22.97	252	295611	3.764	ng/ul	98
89) Benzo(k)fluoranthene	23.02	252	285169	3.736	ng/ul	99
91) Benzo(a)pyrene	23.56	252	285685	3.812	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.97	276	265717	3.069	ng/ul	97
93) Dibenzo(a,h)anthracene	25.99	278	228630	3.174	ng/ul	99
94) Benzo(g,h,i)perylene	26.68	276	216248	3.041	ng/ul	97

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091819\
Data File : BM022714.D
Acq On : 18 Sep 2019 13:45
Operator : HP/JU
Sample : MDL-S-ME-03
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 18 15:49:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM090519MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Sep 18 15:34:25 2019
Response via : Initial Calibration

Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-03

Manual Integrations APPROVED
mohammad
9/19/2019 4:43:49 PM

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

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