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Data File : BM022716.D
Acq On : 18 Sep 2019 14:57
Operator : HP/JU
Sample : MDL-S-ME-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 18 15:51:45 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-05

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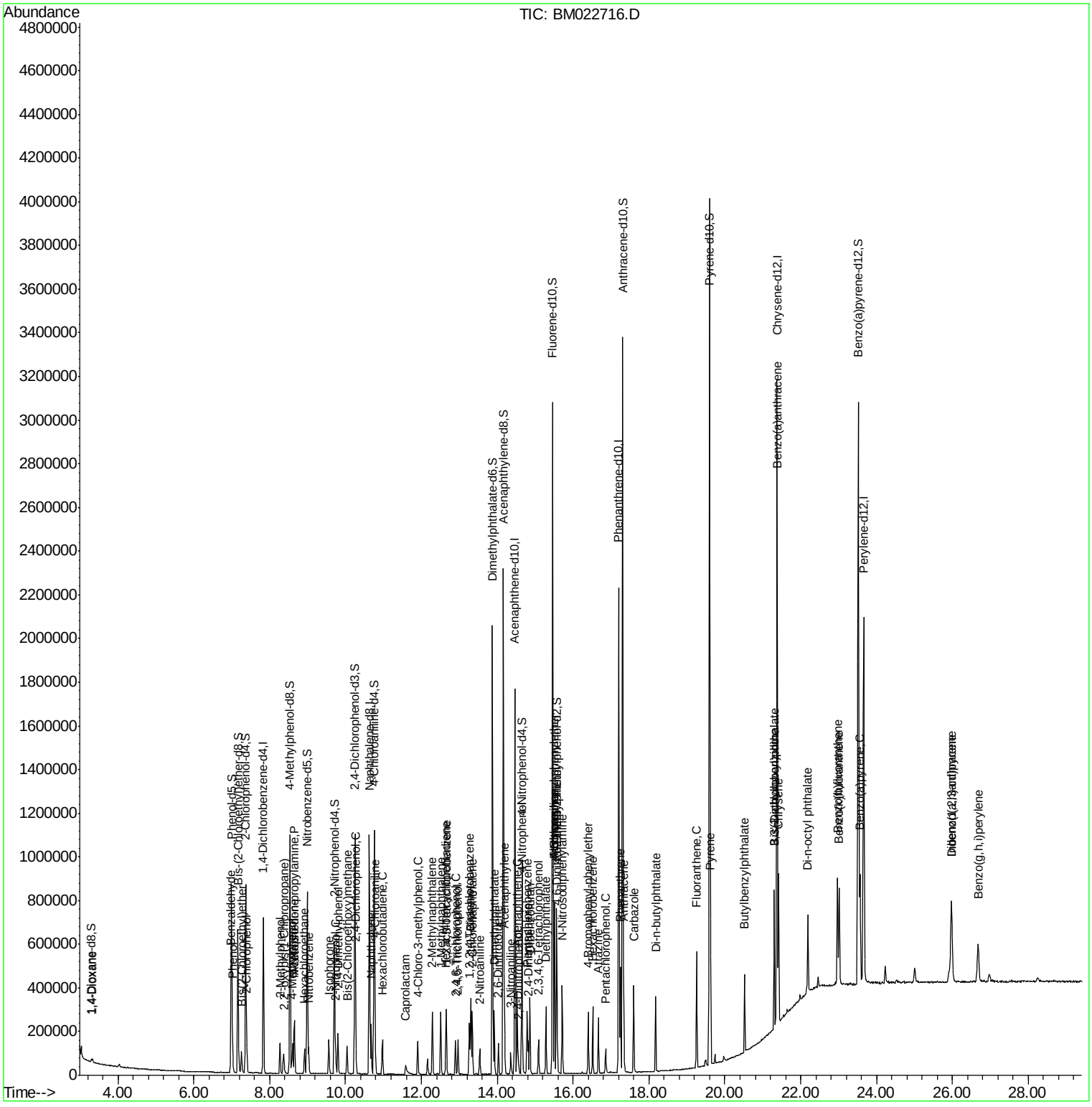
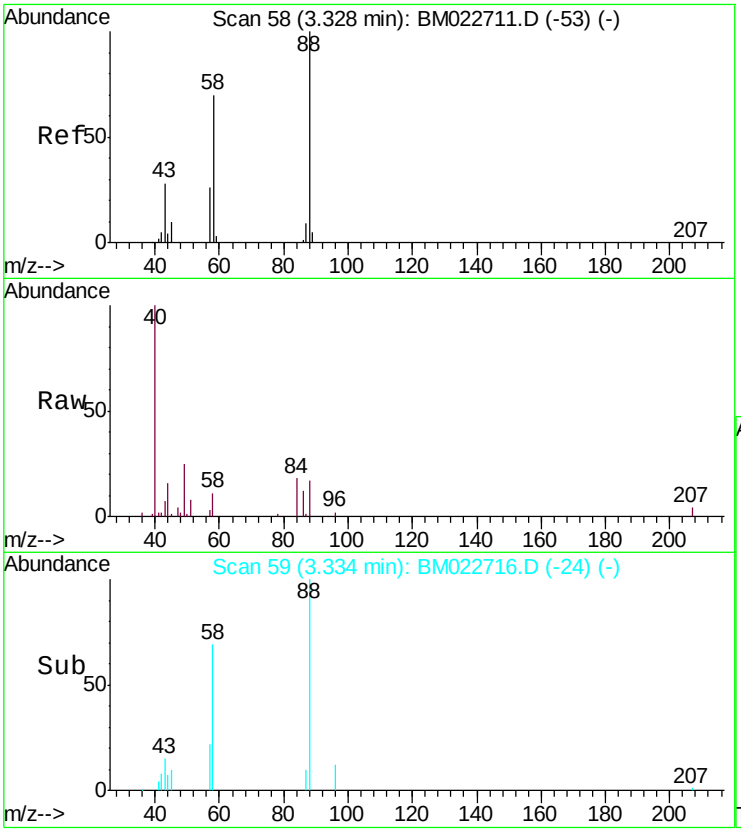
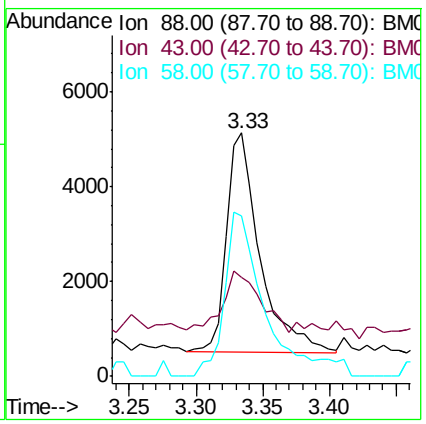




#2
1,4-Dioxane
Concen: 1.703 ng/uL
RT: 3.33 min Scan# 59
Delta R.T. 0.01 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion: 88 Resp: 8009

Ion	Ratio	Lower	Upper
88	100		
43	40.5	37.9	56.9
58	65.7	59.4	89.0



Instrument :
BNA_M
ClientSampleId :
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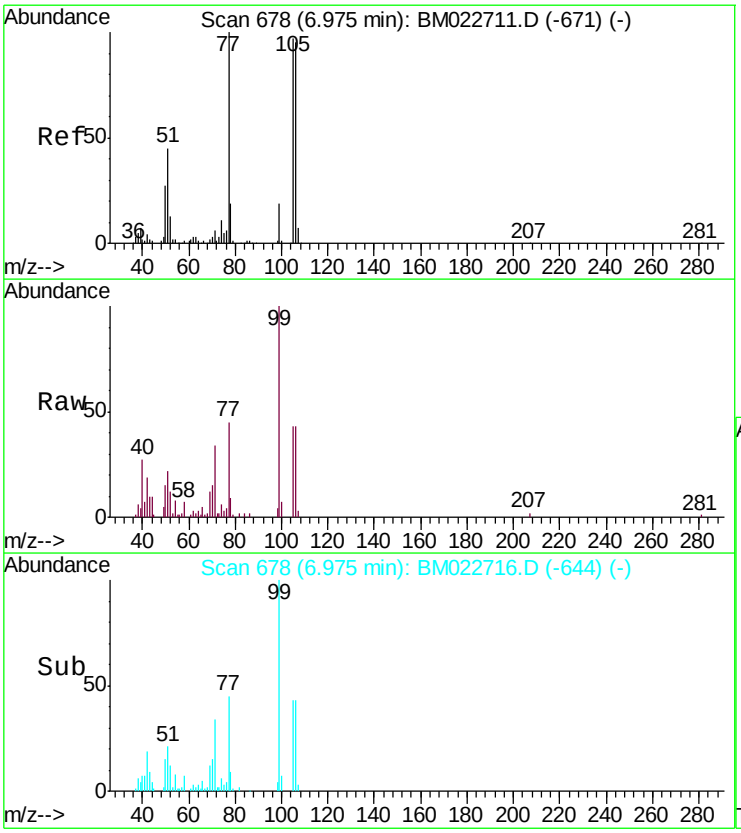
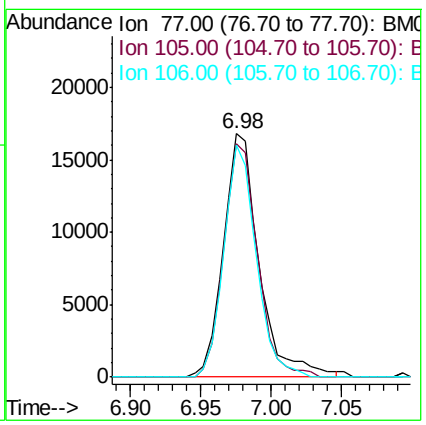
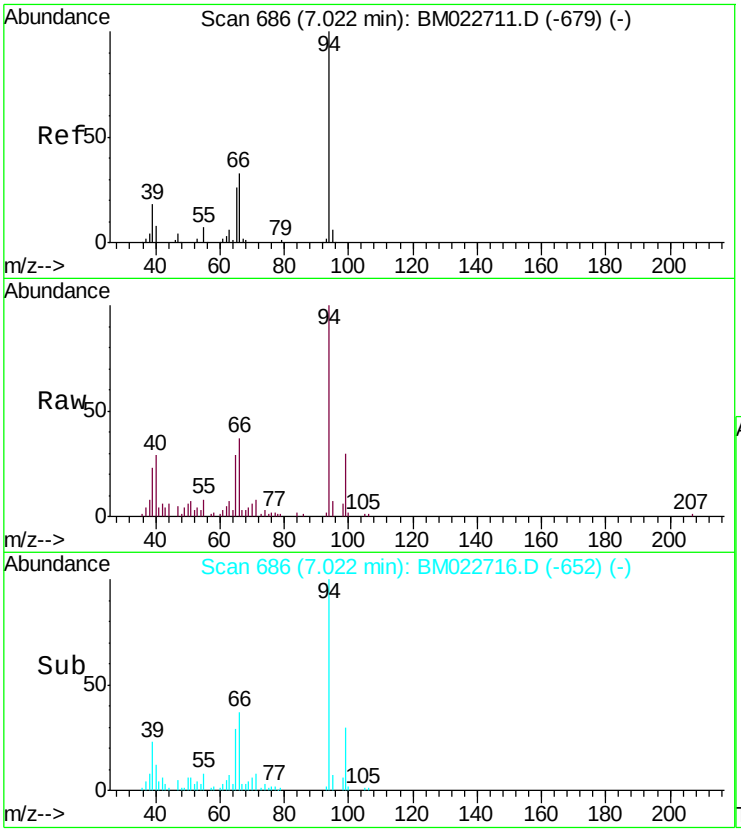


#4
Benzaldehyde
Concen: 3.165 ng/ul
RT: 6.98 min Scan# 678
Delta R.T. 0.00 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion: 77 Resp: 29683

Ion	Ratio	Lower	Upper
77	100		
105	95.7	79.0	118.6
106	95.5	75.1	112.7

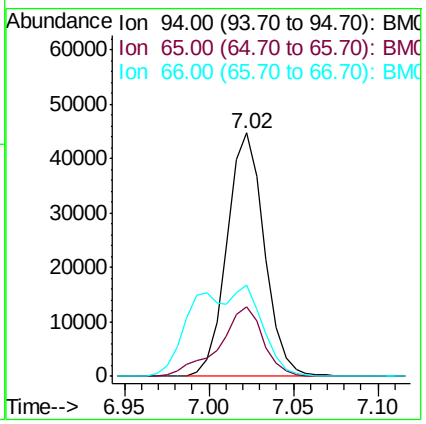




#6
Phenol
Concen: 3.671 ng/ul
RT: 7.02 min Scan# 686
Delta R.T. 0.00 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion: 94 Resp: 68902

Ion	Ratio	Lower	Upper
94	100		
65	28.5	22.8	34.2
66	37.4	29.1	43.7



Instrument :
BNA_M
ClientSampleId :
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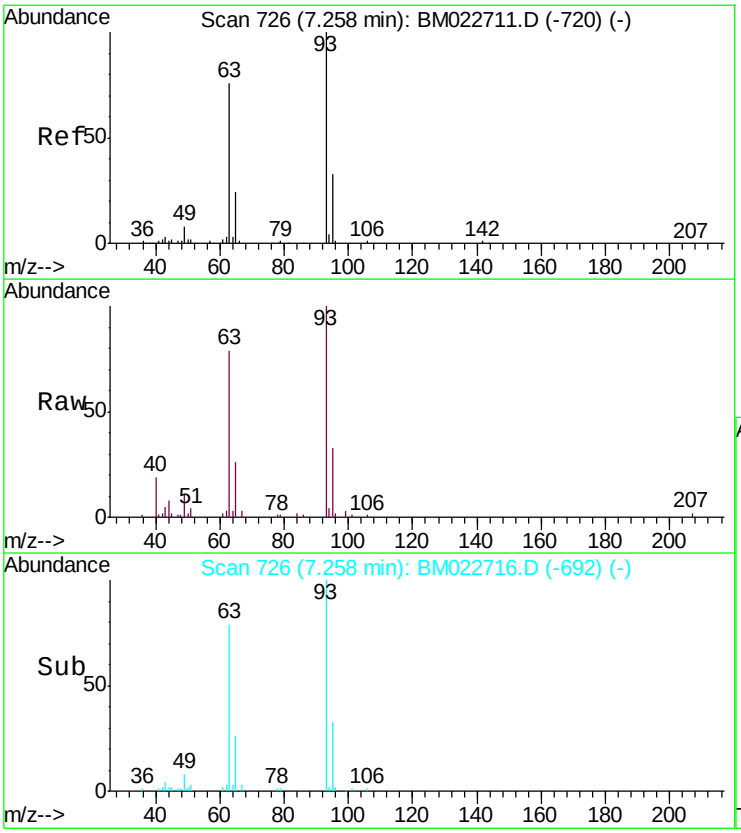
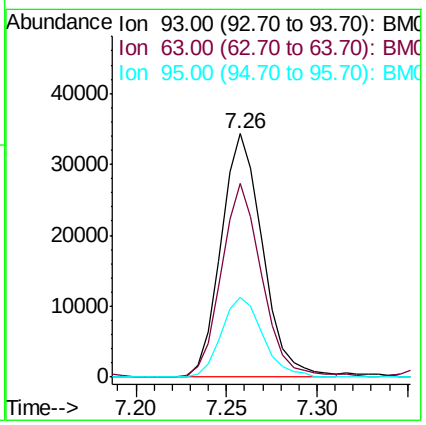
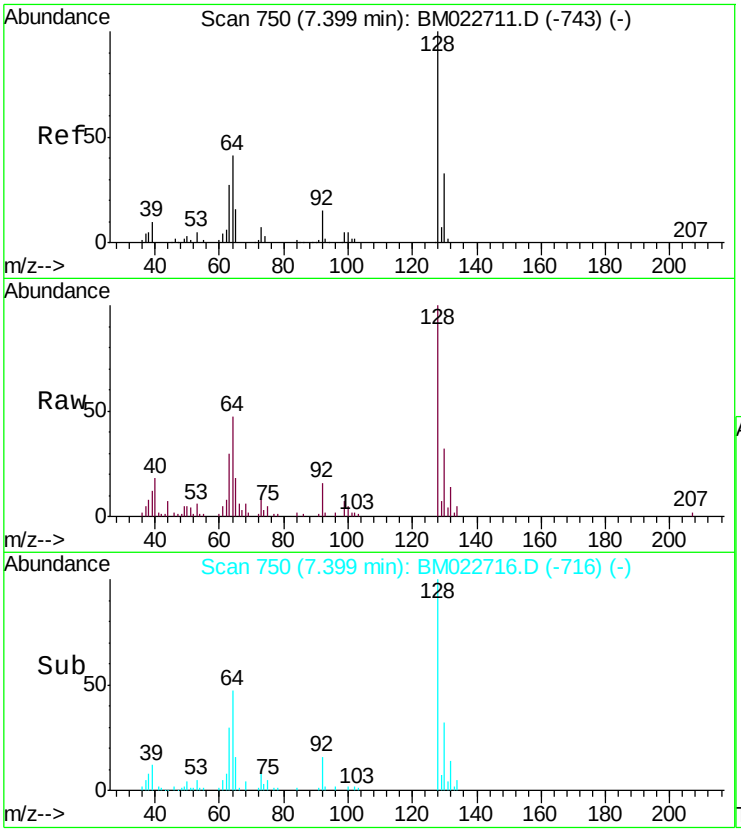


#8
Bis(2-Chloroethyl)ether
Concen: 3.844 ng/ul
RT: 7.26 min Scan# 726
Delta R.T. 0.00 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion: 93 Resp: 54790

Ion	Ratio	Lower	Upper
93	100		
63	79.5	62.2	93.2
95	32.7	26.6	39.8

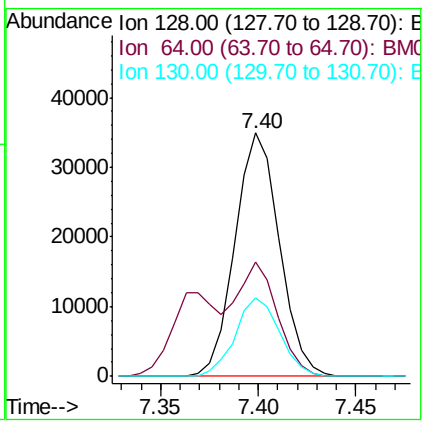




#10
2-Chlorophenol
Concen: 3.701 ng/ul
RT: 7.40 min Scan# 750
Delta R.T. 0.00 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:128 Resp: 55183

Ion	Ratio	Lower	Upper
128	100		
64	46.7	36.0	54.0
130	32.3	26.1	39.1



Instrument :
BNA_M
ClientSampleId :
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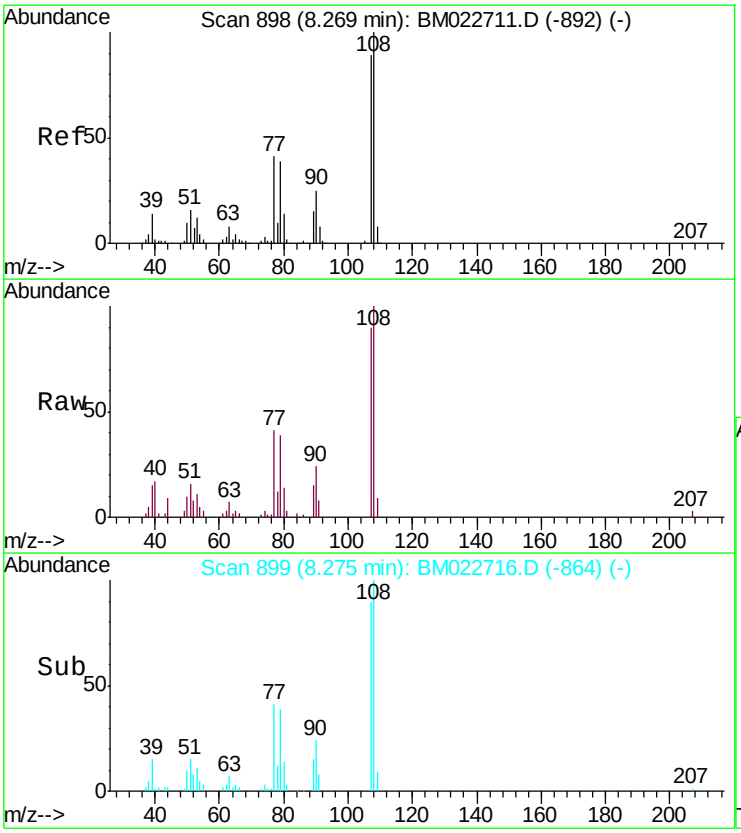
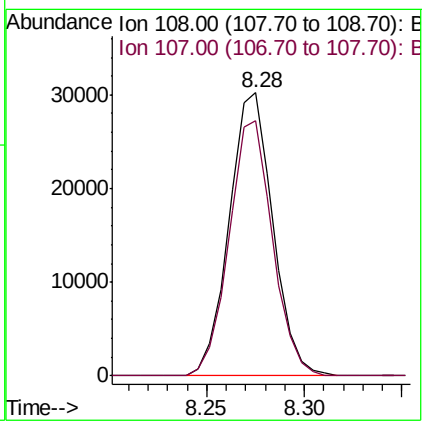
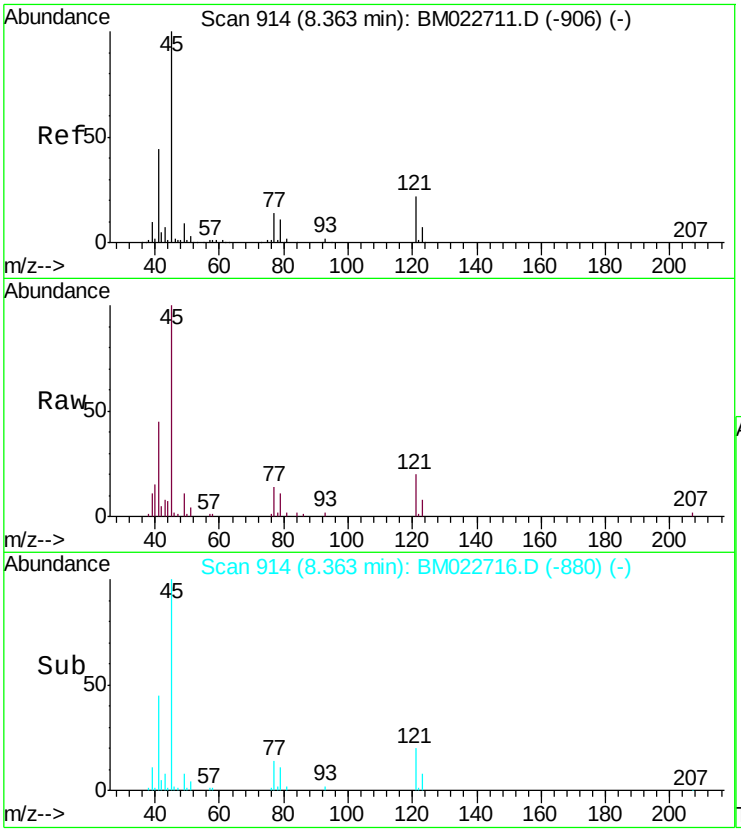


#11
2-Methylphenol
Concen: 3.193 ng/ul
RT: 8.28 min Scan# 899
Delta R.T. 0.01 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:108 Resp: 46774

Ion	Ratio	Lower	Upper
108	100		
107	90.1	70.7	106.1





#12
2,2'-oxybis(1-Chloropropane)
Concen: 3.862 ng/ul
RT: 8.36 min Scan# 914
Delta R.T. 0.00 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion: 45 Resp: 80968

Ion	Ratio	Lower	Upper
45	100		
77	14.5	11.6	17.4
79	10.8	9.0	13.6

Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-05

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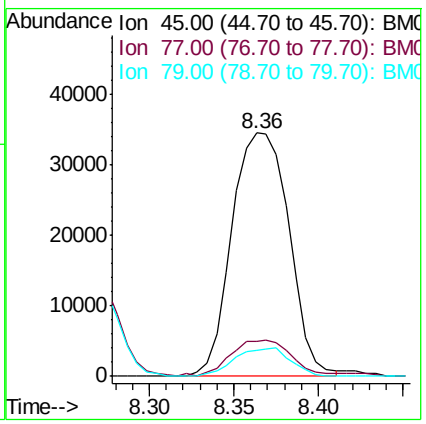
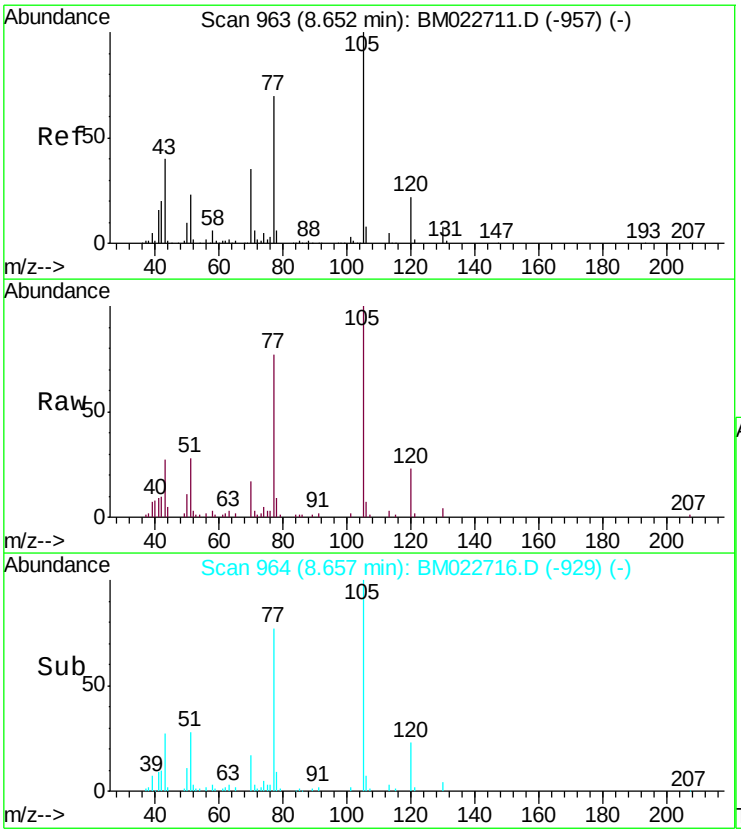
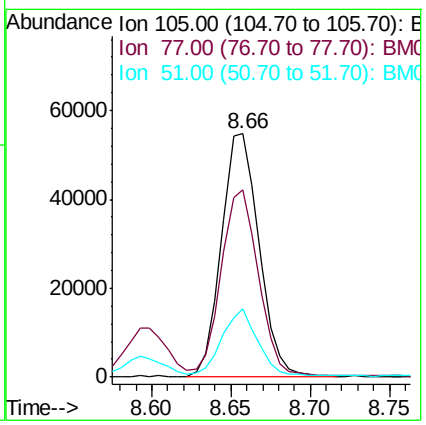


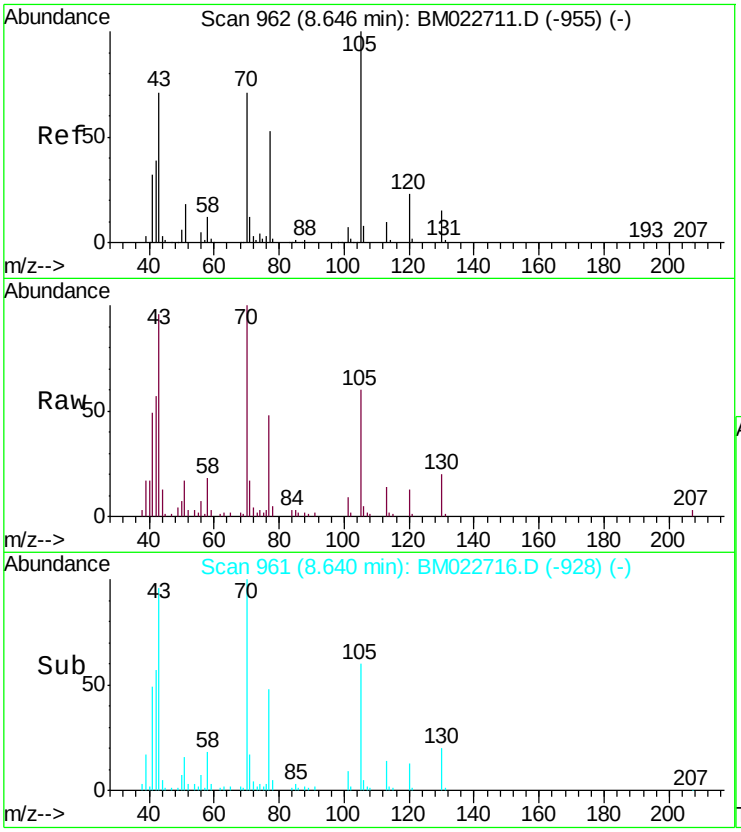


#14
Acetophenone
Concen: 3.971 ng/ul
RT: 8.66 min Scan# 964
Delta R.T. 0.01 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:105 Resp: 90481

Ion	Ratio	Lower	Upper
105	100		
77	76.8	62.1	93.1
51	28.2	21.8	32.6

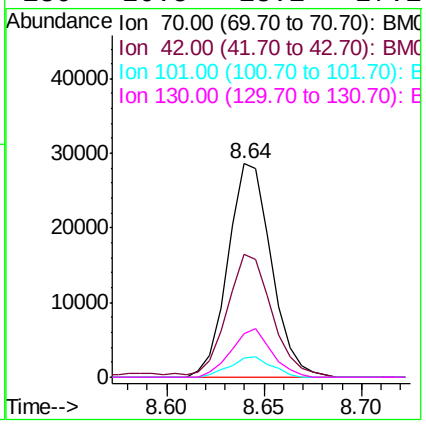




#15
N-Nitroso-di-n-propylamine
Concen: 3.590 ng/ul
RT: 8.64 min Scan# 961
Delta R.T. -0.01 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion: 70 Resp: 44187

Ion	Ratio	Lower	Upper
70	100		
42	57.5	48.3	72.5
101	9.2	8.2	12.2
130	20.5	18.1	27.1



Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-05

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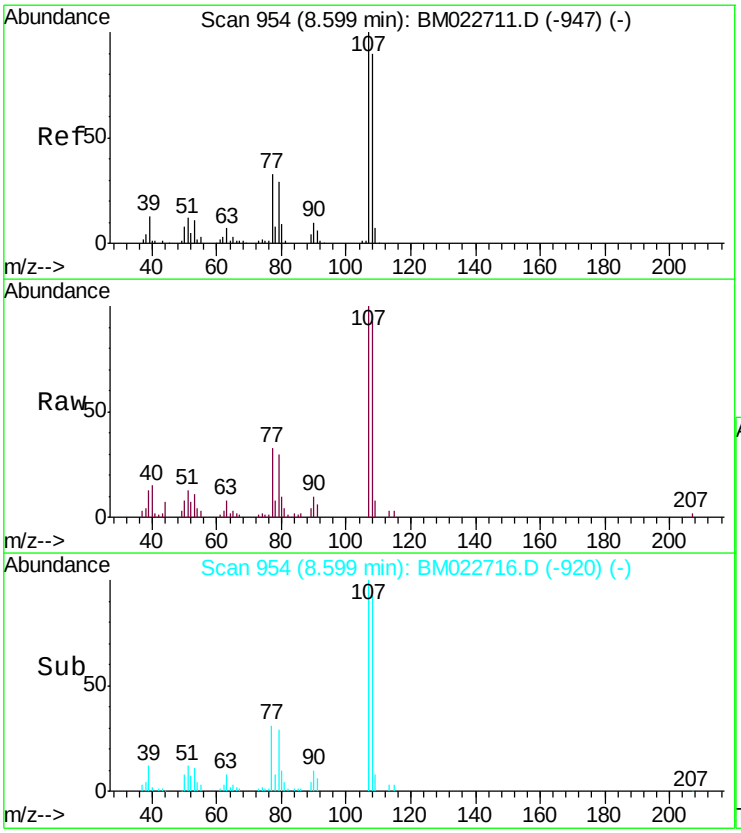
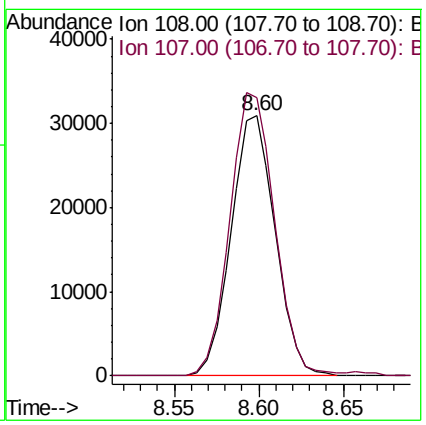
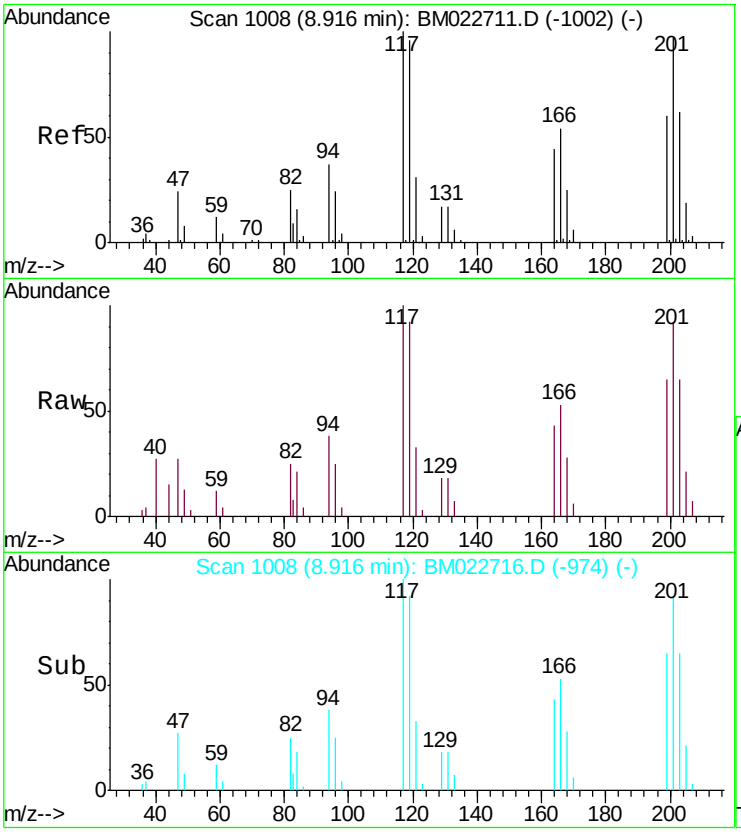


#16
4-Methylphenol
Concen: 3.552 ng/ul
RT: 8.60 min Scan# 954
Delta R.T. 0.00 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:108 Resp: 56174

Ion	Ratio	Lower	Upper
108	100		
107	107.2	87.2	130.8

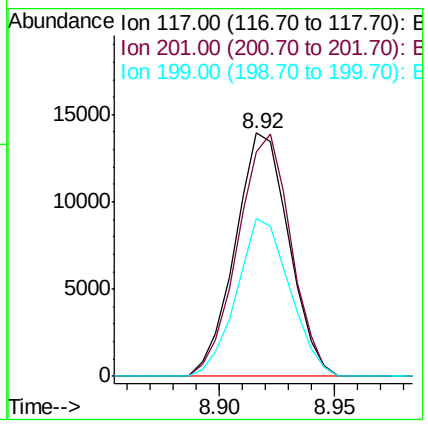




#17
Hexachloroethane
Concen: 3.839 ng/ul
RT: 8.92 min Scan# 1008
Delta R.T. 0.00 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:117 Resp: 22681

Ion	Ratio	Lower	Upper
117	100		
201	92.4	77.6	116.4
199	64.8	47.6	71.4



Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-05

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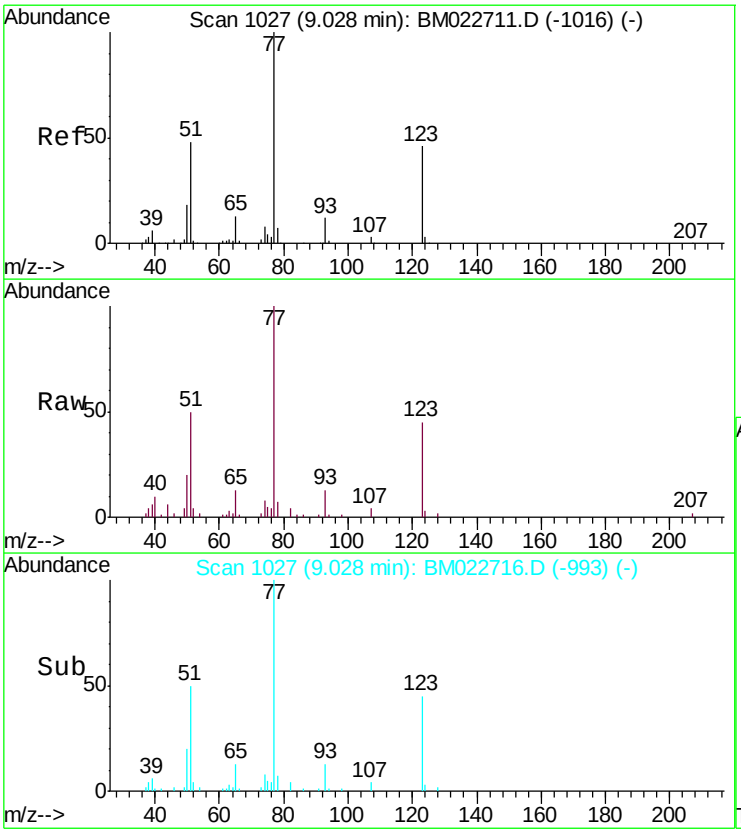
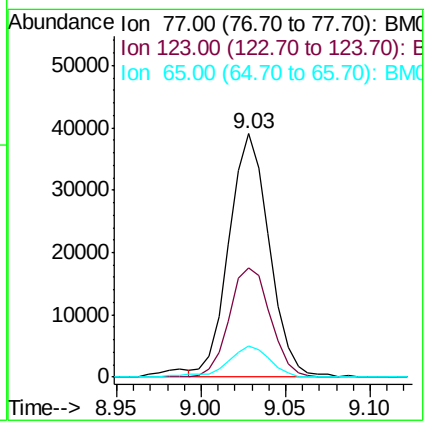
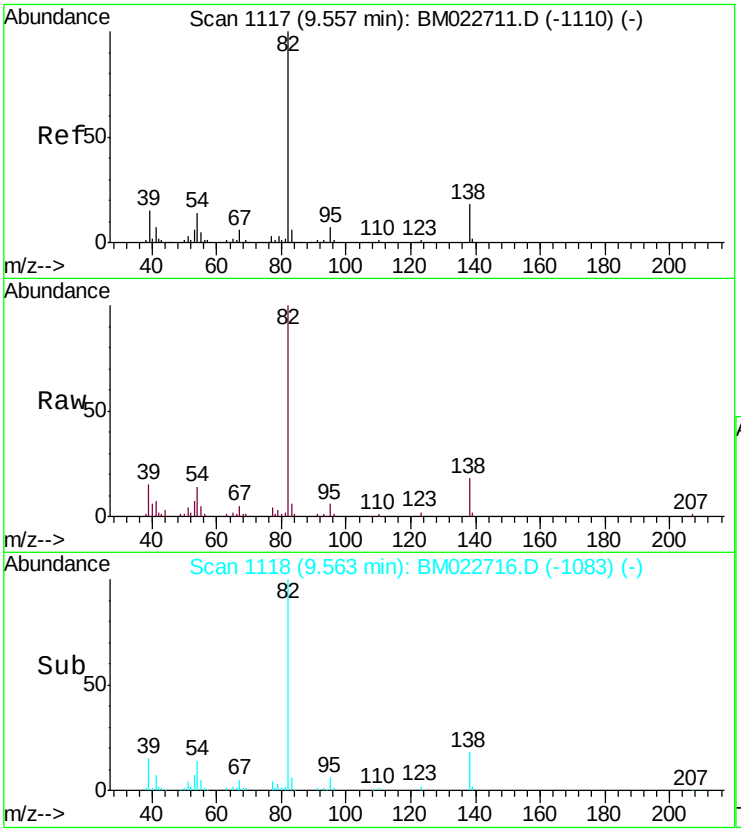


#20
Nitrobenzene
Concen: 4.120 ng/ul
RT: 9.03 min Scan# 1027
Delta R.T. 0.00 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion: 77 Resp: 65113

Ion	Ratio	Lower	Upper
77	100		
123	45.0	35.8	53.6
65	13.0	10.5	15.7

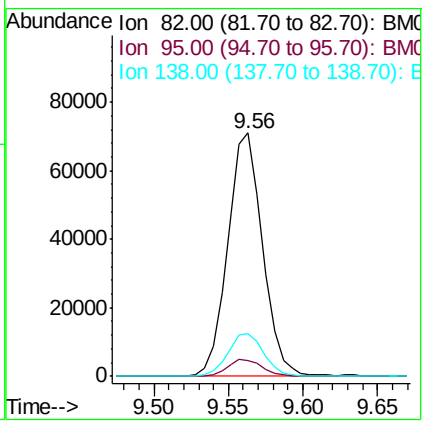




#21
Isophorone
Concen: 3.268 ng/ul
RT: 9.56 min Scan# 1118
Delta R.T. 0.01 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion: 82 Resp: 115733

Ion	Ratio	Lower	Upper
82	100		
95	6.4	5.6	8.4
138	17.7	14.4	21.6



Instrument :
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ClientSampleId :
MDL-S-ME-05

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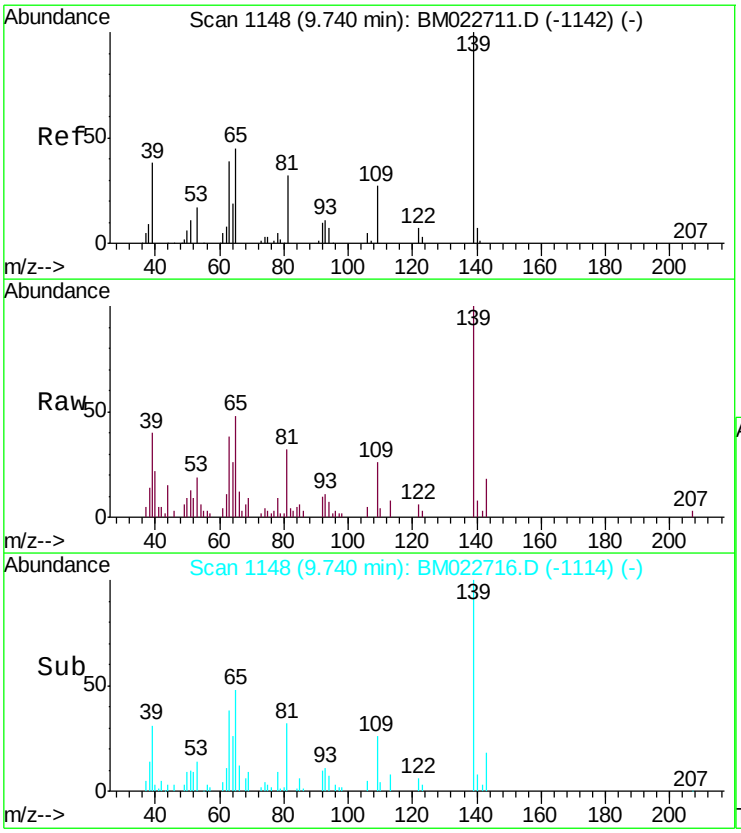
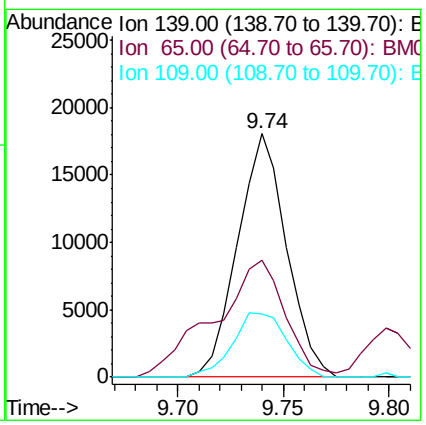
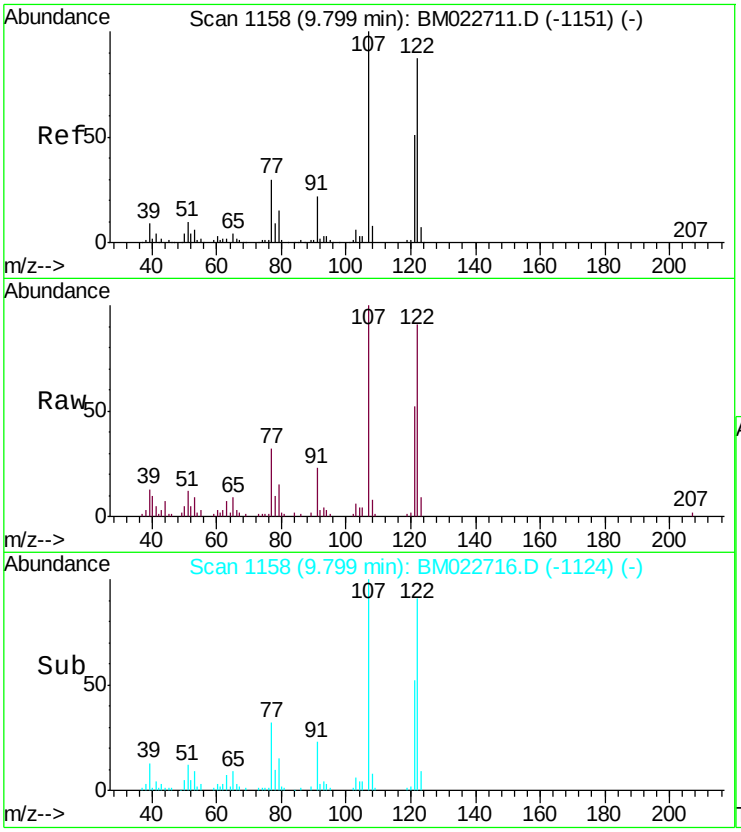


#23
2-Nitrophenol
Concen: 4.193 ng/ul
RT: 9.74 min Scan# 1148
Delta R.T. 0.00 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:139 Resp: 28987

Ion	Ratio	Lower	Upper
139	100		
65	48.0	39.3	58.9
109	26.2	23.5	35.3

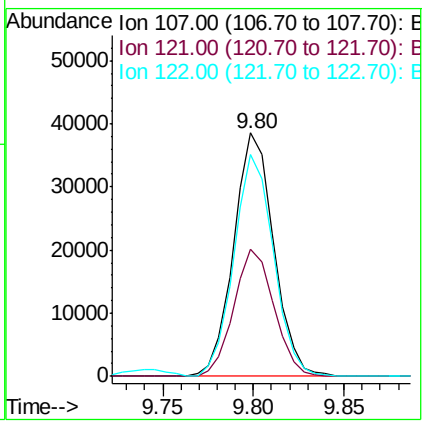




#24
2,4-Dimethylphenol
Concen: 3.418 ng/ul
RT: 9.80 min Scan# 1158
Delta R.T. 0.00 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:107 Resp: 59247

Ion	Ratio	Lower	Upper
107	100		
121	52.4	40.2	60.4
122	91.2	70.2	105.2



Instrument :
BNA_M
ClientSampleId :
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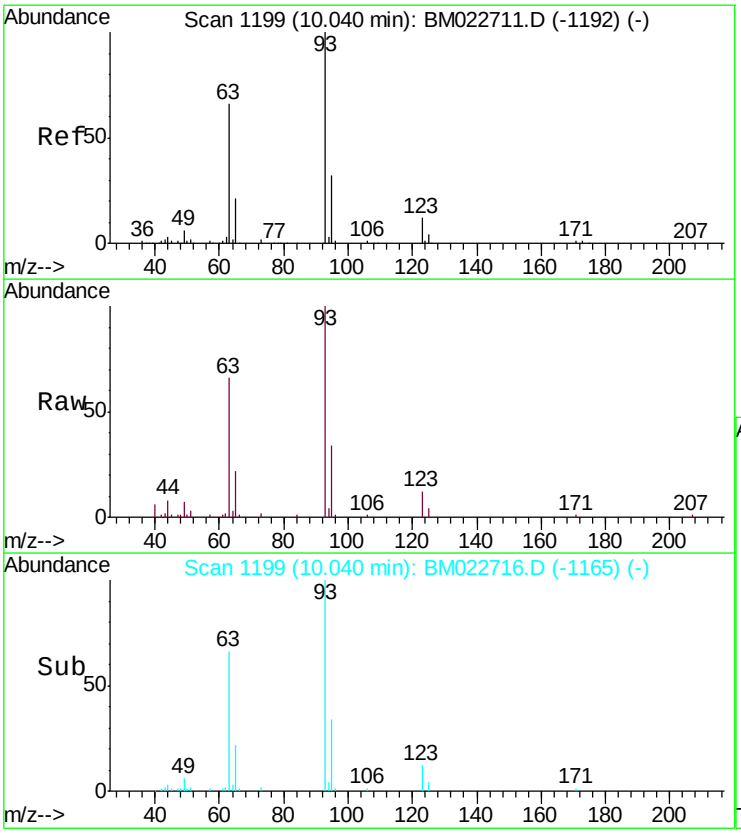
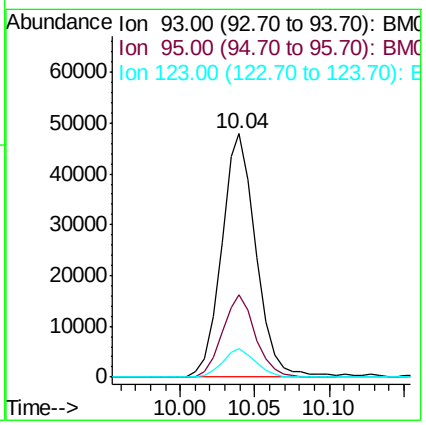
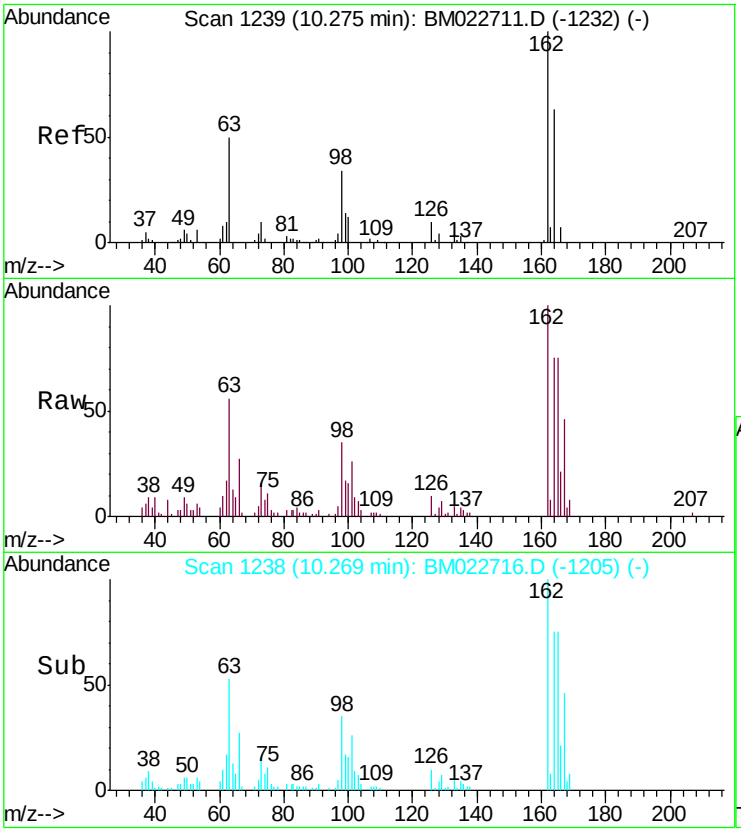


#25
Bis(2-Chloroethoxy)methane
Concen: 3.716 ng/ul
RT: 10.04 min Scan# 1199
Delta R.T. 0.00 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion: 93 Resp: 77163

Ion	Ratio	Lower	Upper
93	100		
95	33.7	26.1	39.1
123	11.6	9.2	13.8

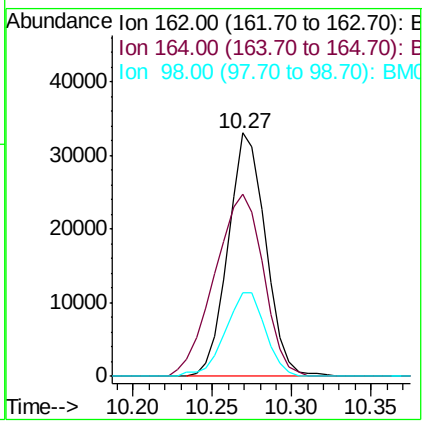




#27
2,4-Dichlorophenol
Concen: 3.713 ng/ul
RT: 10.27 min Scan# 1238
Delta R.T. -0.01 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:162 Resp: 54210

Ion	Ratio	Lower	Upper
162	100		
164	74.9	52.1	78.1
98	34.5	28.9	43.3



Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-05

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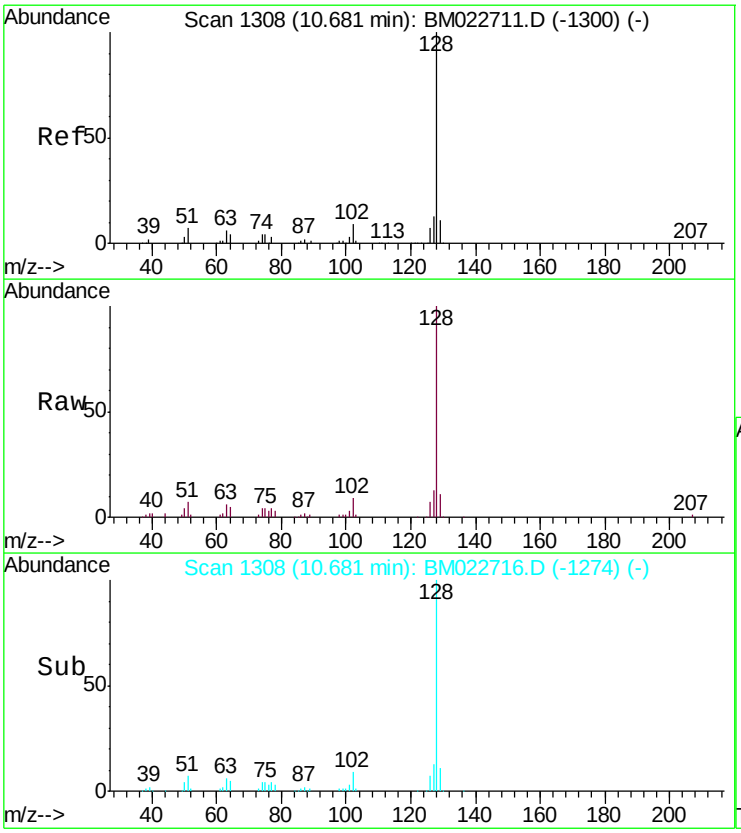
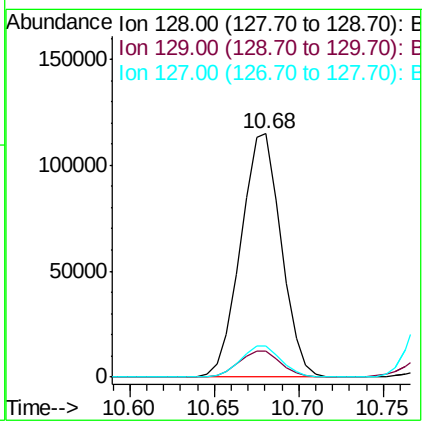
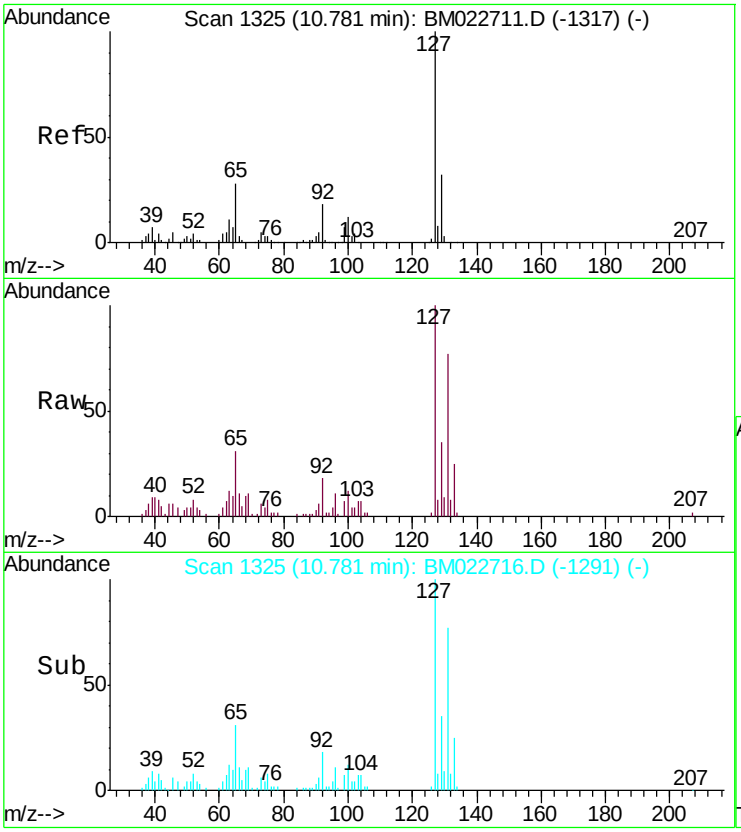


#28
Naphthalene
Concen: 3.952 ng/ul
RT: 10.68 min Scan# 1308
Delta R.T. 0.00 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:128 Resp: 191846

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.9	13.3
127	12.7	10.6	16.0

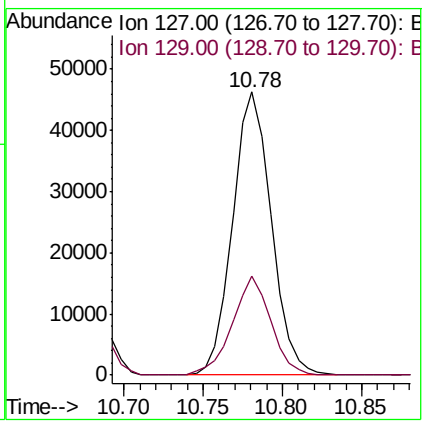




#30
4-Chloroaniline
Concen: 3.913 ng/ul
RT: 10.78 min Scan# 1325
Delta R.T. 0.00 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:127 Resp: 78517

Ion	Ratio	Lower	Upper
127	100		
129	35.0	25.4	38.2



Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-05

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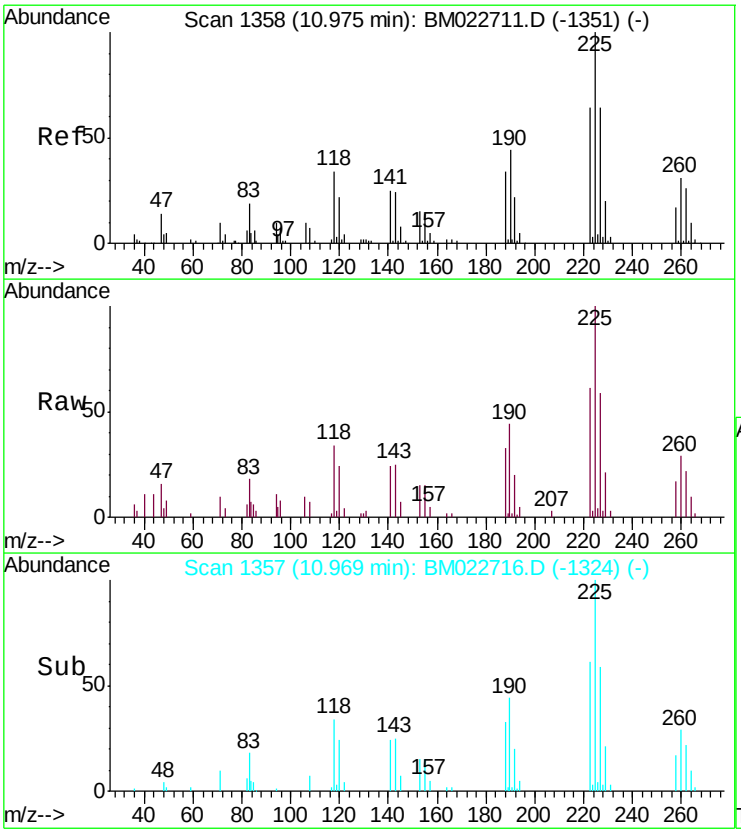
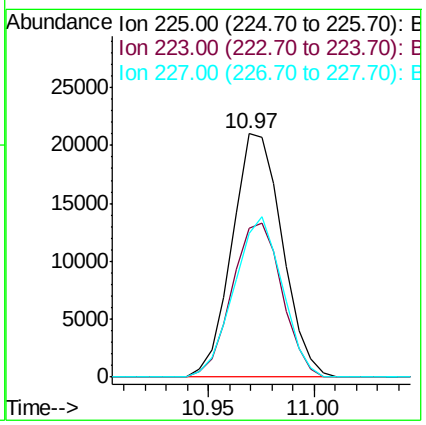
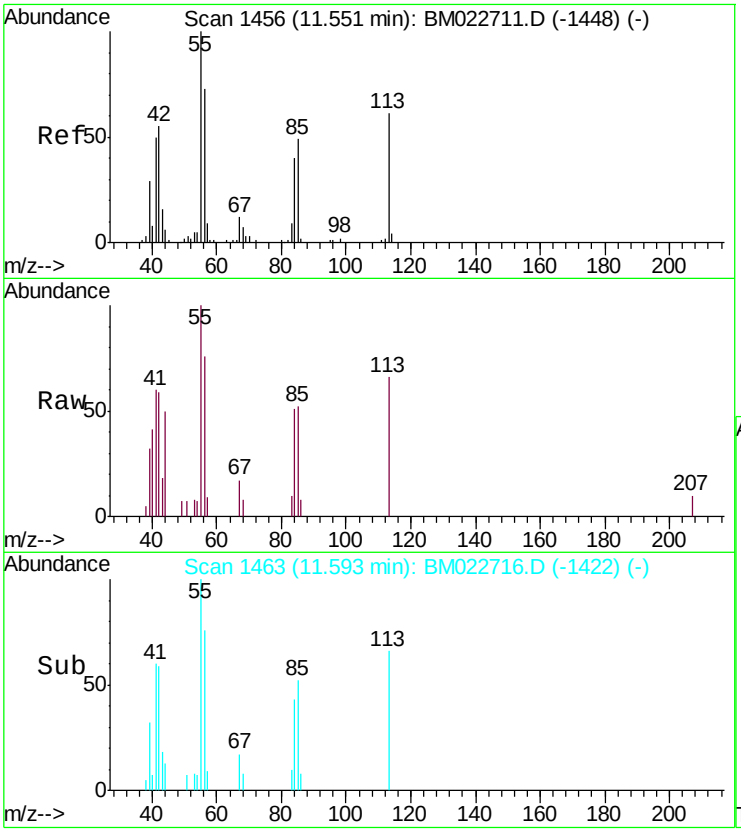


#31
Hexachlorobutadiene
Concen: 3.852 ng/ul
RT: 10.97 min Scan# 1357
Delta R.T. -0.01 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:225 Resp: 34645

Ion	Ratio	Lower	Upper
225	100		
223	60.9	50.1	75.1
227	59.3	51.8	77.8

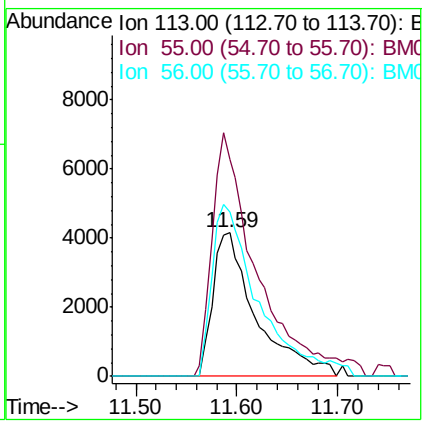




#32
Caprolactam
Concen: 2.278 ng/ul m
RT: 11.59 min Scan# 1463
Delta R.T. 0.04 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:113 Resp: 12383

Ion	Ratio	Lower	Upper
113	100		
55	151.1	135.6	203.4
56	114.3	98.4	147.6



Instrument :
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ClientSampleId :
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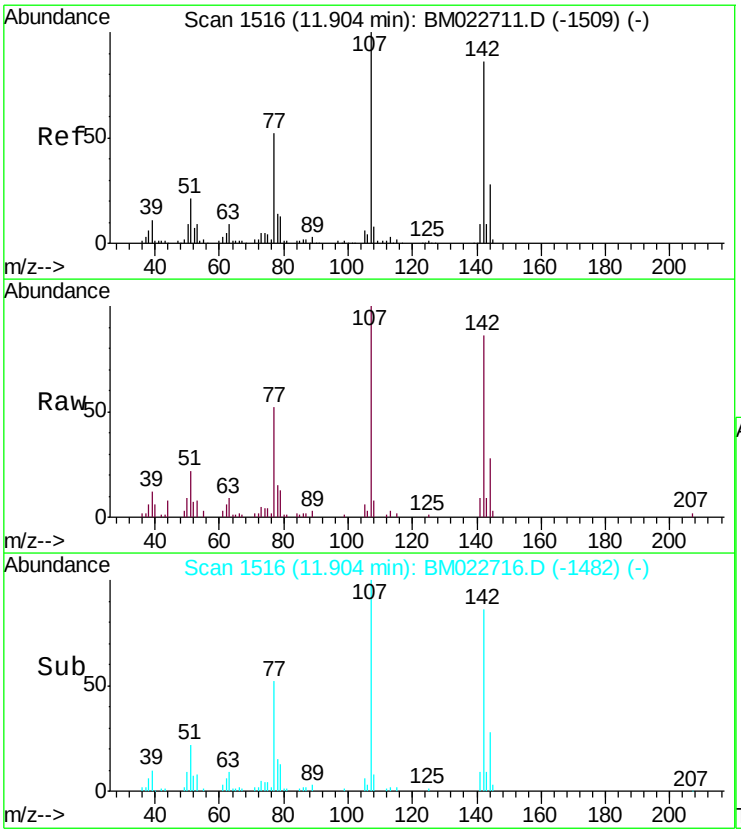
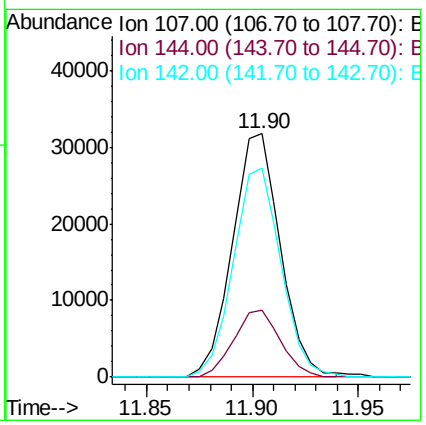
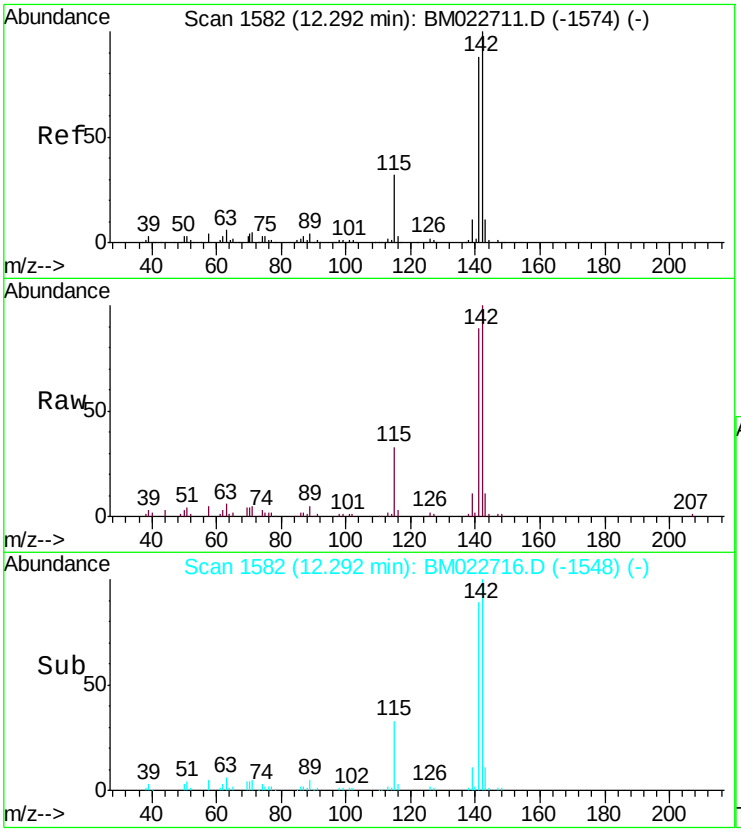


#33
4-Chloro-3-methylphenol
Concen: 3.102 ng/ul
RT: 11.90 min Scan# 1516
Delta R.T. 0.00 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:107 Resp: 49983

Ion	Ratio	Lower	Upper
107	100		
144	27.5	22.6	34.0
142	86.1	67.0	100.4





#34
2-Methylnaphthalene
Concen: 3.773 ng/ul
RT: 12.29 min Scan# 1582
Delta R.T. 0.00 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:142 Resp: 137970

Ion	Ratio	Lower	Upper
142	100		
141	88.6	71.0	106.4

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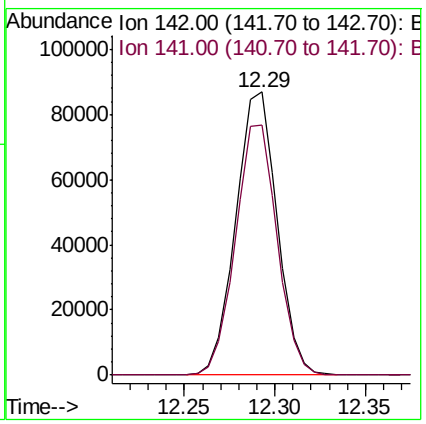
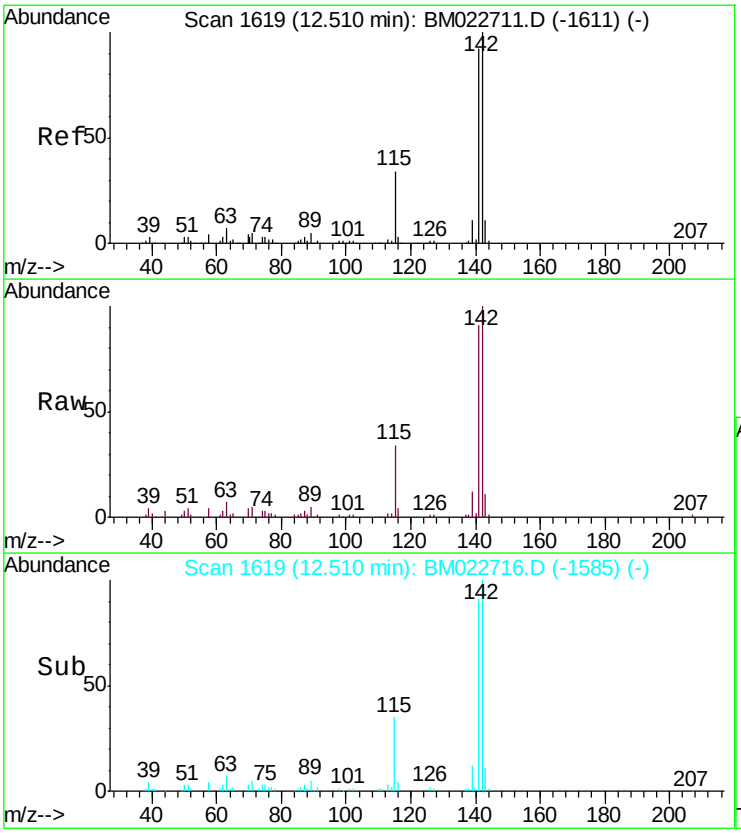
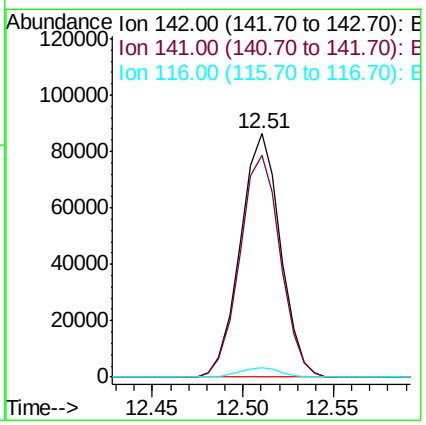


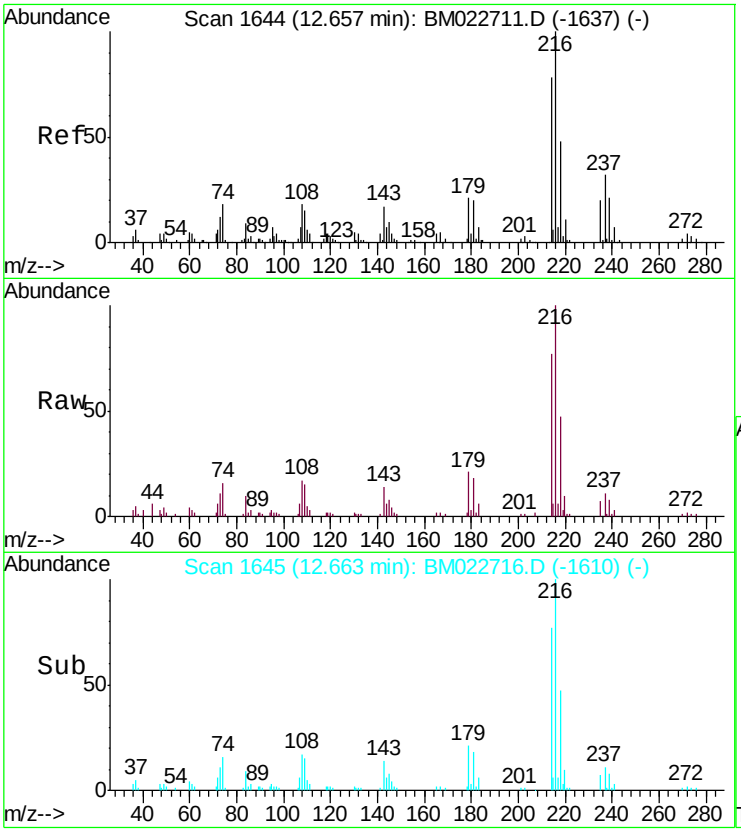


#35
1-Methylnaphthalene
Concen: 3.795 ng/ul
RT: 12.51 min Scan# 1619
Delta R.T. 0.00 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:142 Resp: 132610

Ion	Ratio	Lower	Upper
142	100		
141	91.2	72.6	108.8
116	3.9	3.0	4.4

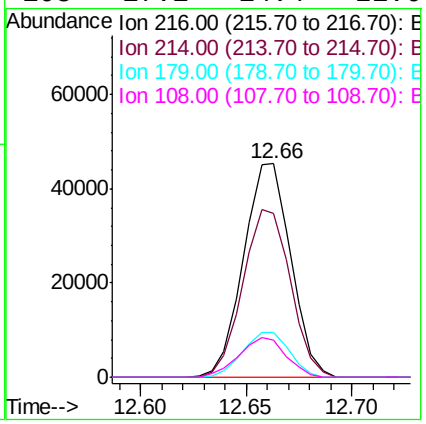




#37
1,2,4,5-Tetrachlorobenzene
Concen: 3.864 ng/ul
RT: 12.66 min Scan# 1645
Delta R.T. 0.01 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:216 Resp: 70650

Ion	Ratio	Lower	Upper
216	100		
214	76.9	63.4	95.0
179	21.0	16.7	25.1
108	17.1	14.4	21.6



Instrument :
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ClientSampleId :
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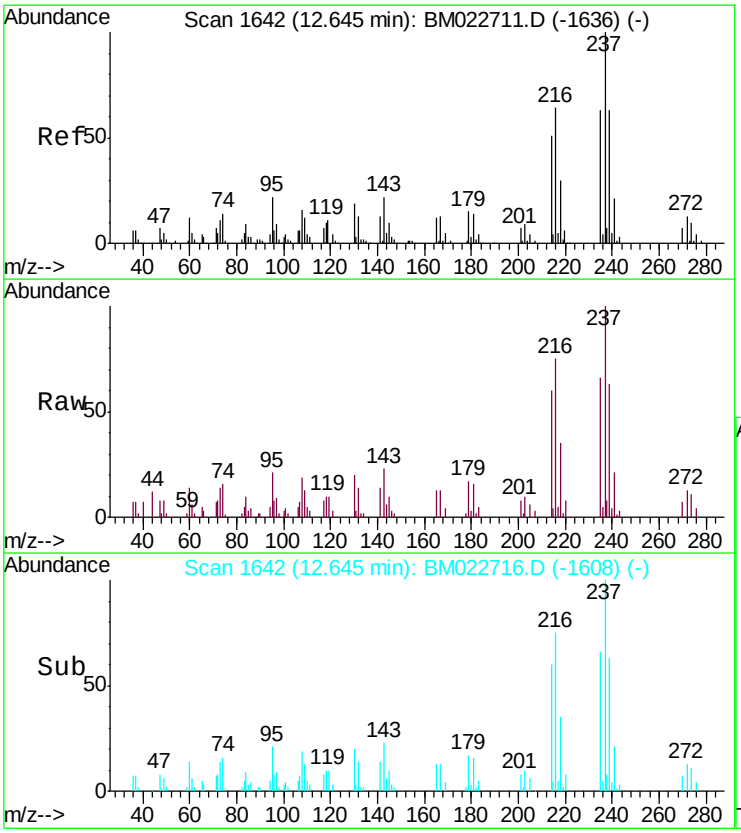
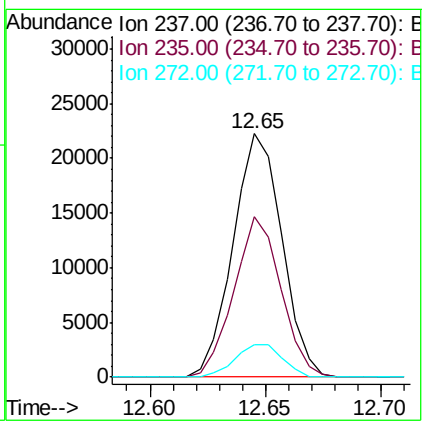
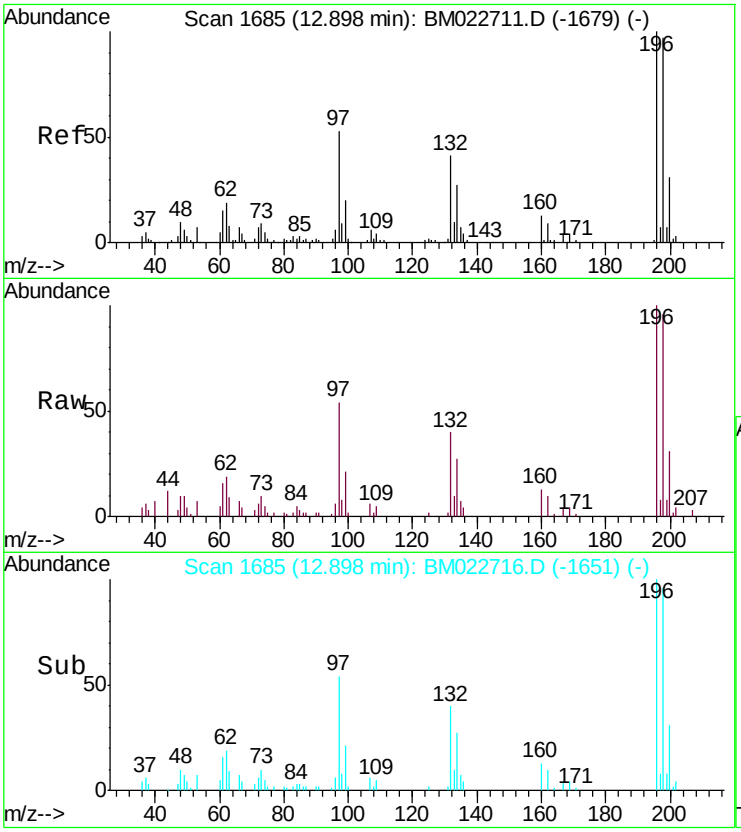


#38
Hexachlorocyclopentadiene
Concen: 2.924 ng/ul
RT: 12.65 min Scan# 1642
Delta R.T. 0.00 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:237 Resp: 32958

Ion	Ratio	Lower	Upper
237	100		
235	65.9	50.1	75.1
272	13.1	10.2	15.4

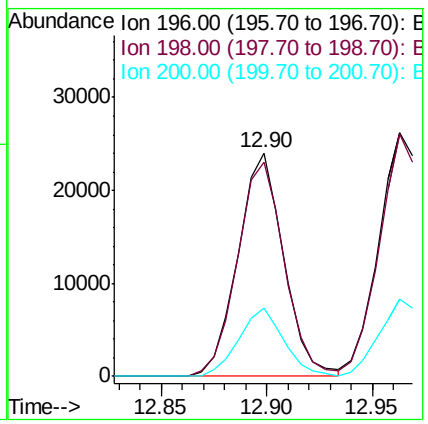




#39
2,4,6-Trichlorophenol
Concen: 3.158 ng/ul
RT: 12.90 min Scan# 1685
Delta R.T. 0.00 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:196 Resp: 36146

Ion	Ratio	Lower	Upper
196	100		
198	96.1	77.7	116.5
200	30.7	24.6	37.0



Instrument :
BNA_M
ClientSampleId :
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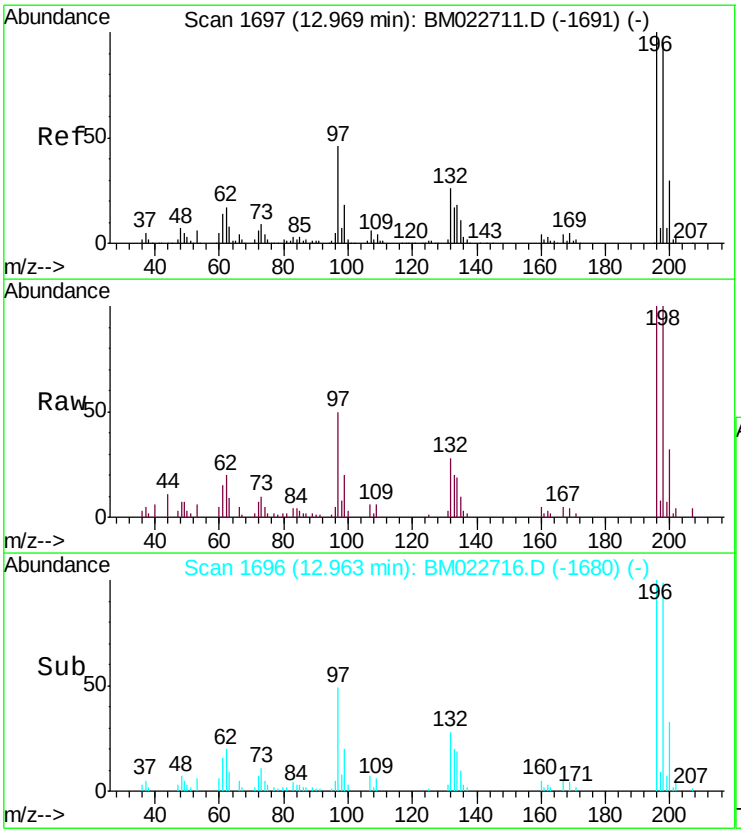
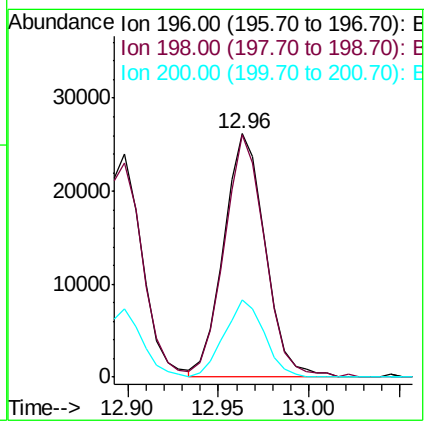
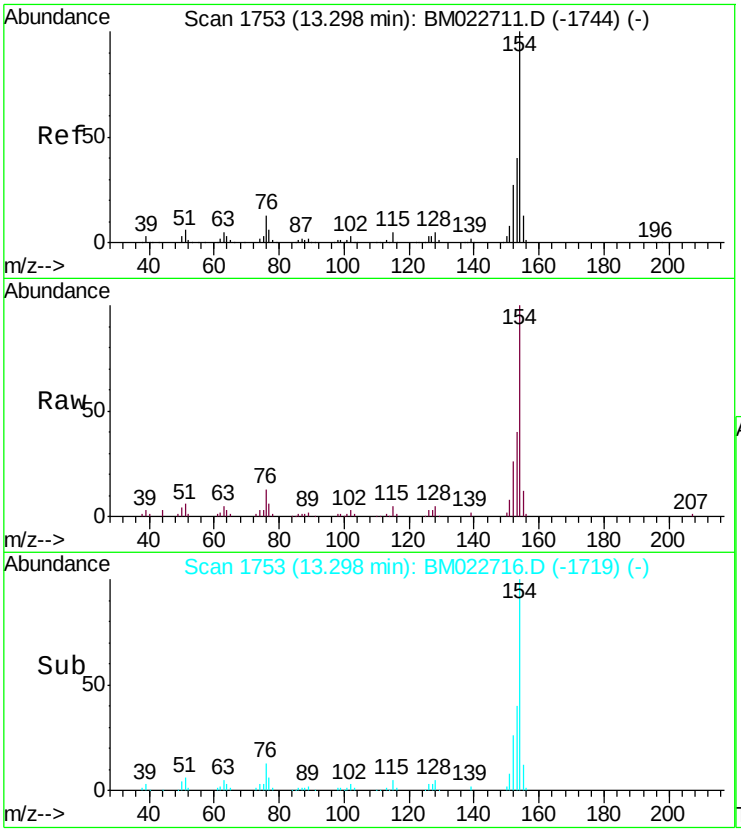


#40
2,4,5-Trichlorophenol
Concen: 3.364 ng/ul
RT: 12.96 min Scan# 1696
Delta R.T. -0.01 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:196 Resp: 41748

Ion	Ratio	Lower	Upper
196	100		
198	99.7	77.4	116.0
200	32.0	24.0	36.0

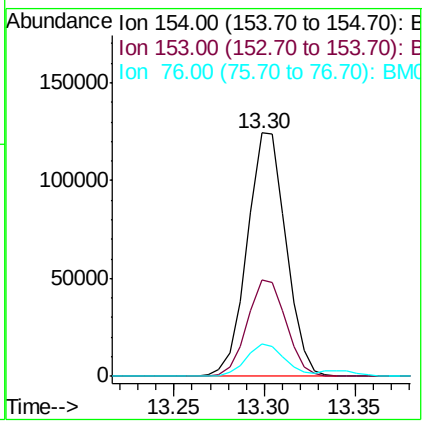




#41
1,1'-Biphenyl
Concen: 3.917 ng/ul
RT: 13.30 min Scan# 1753
Delta R.T. 0.00 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:154 Resp: 184791

Ion	Ratio	Lower	Upper
154	100		
153	39.8	32.1	48.1
76	13.2	10.2	15.2



Instrument :
BNA_M
ClientSampleId :
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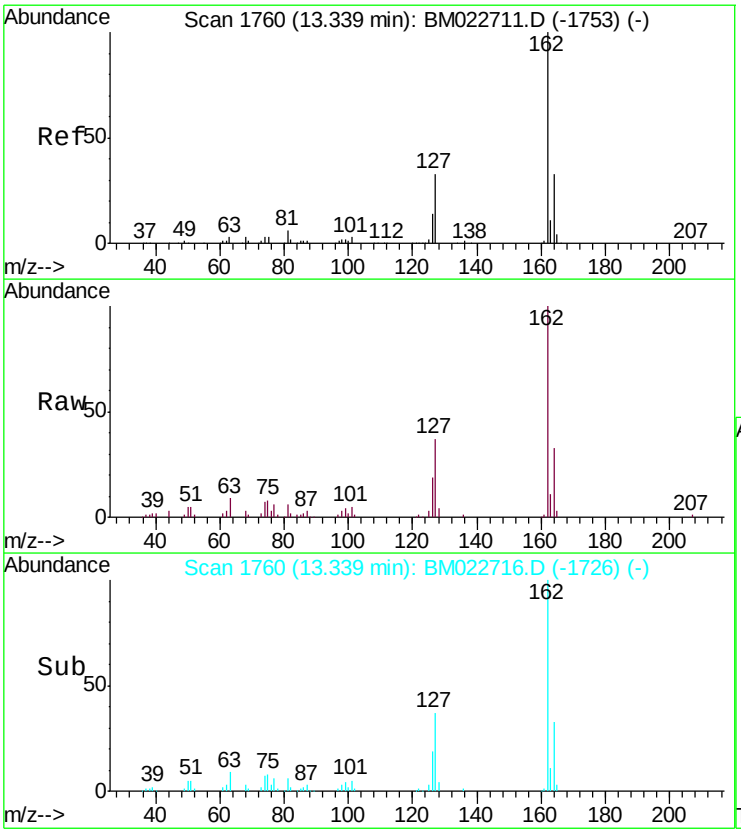
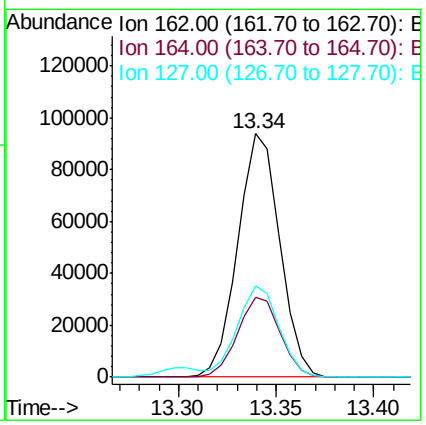
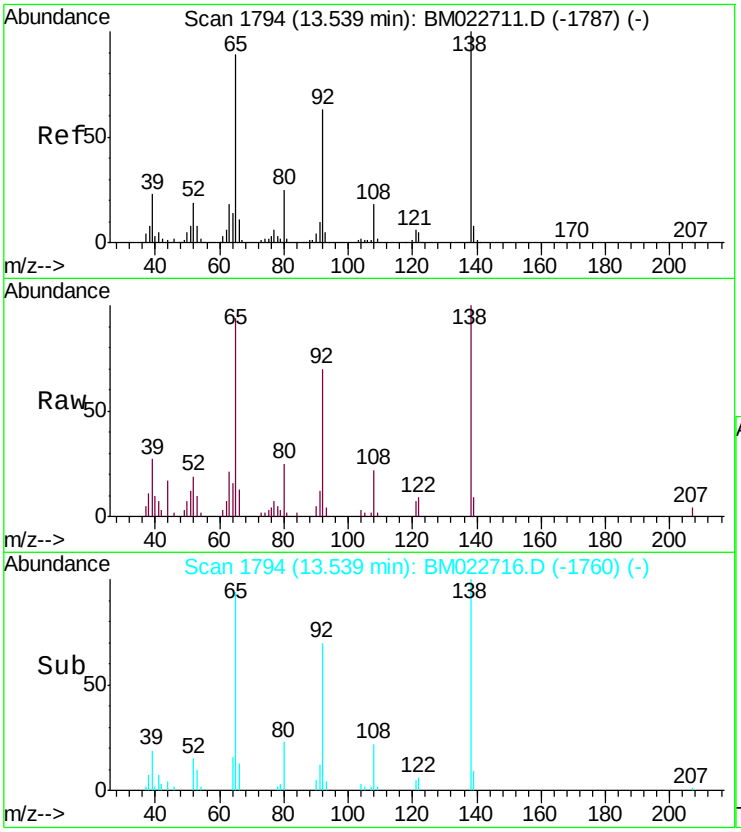


#42
2-Chloronaphthalene
Concen: 3.927 ng/ul
RT: 13.34 min Scan# 1760
Delta R.T. 0.00 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:162 Resp: 140276

Ion	Ratio	Lower	Upper
162	100		
164	32.9	26.1	39.1
127	37.3	30.1	45.1

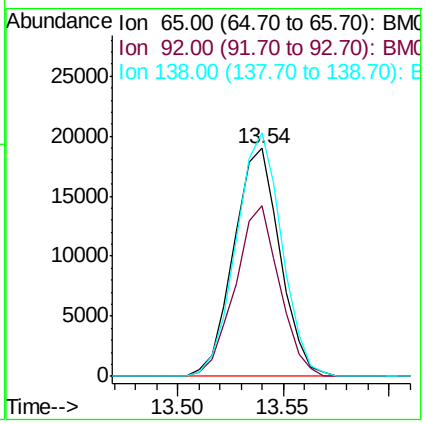




#43
2-Nitroaniline
Concen: 3.458 ng/ul
RT: 13.54 min Scan# 1794
Delta R.T. 0.00 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion: 65 Resp: 28839

Ion	Ratio	Lower	Upper
65	100		
92	74.7	55.7	83.5
138	106.9	86.0	129.0



Instrument :
BNA_M
ClientSampleId :
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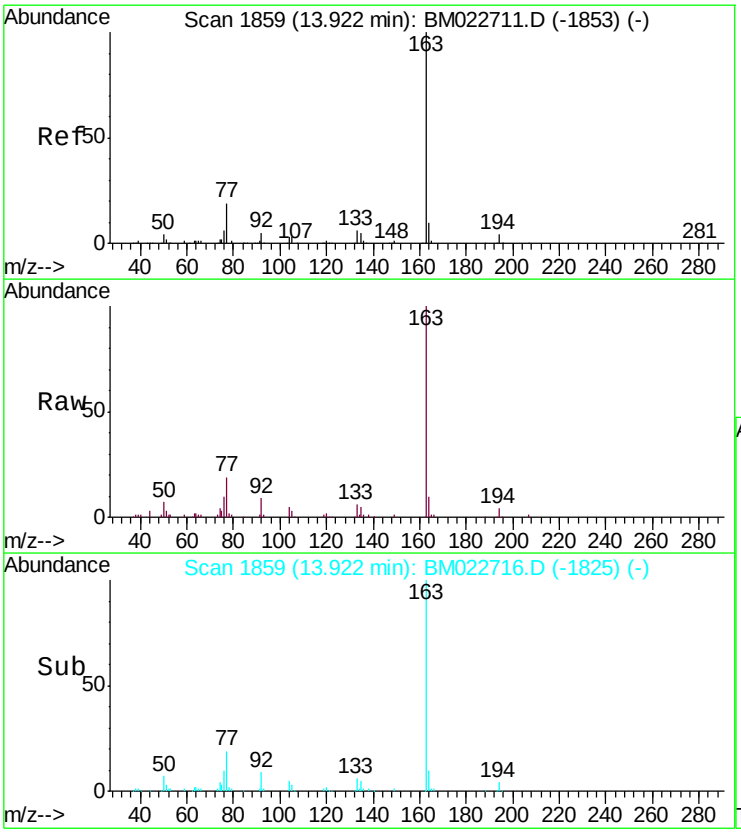
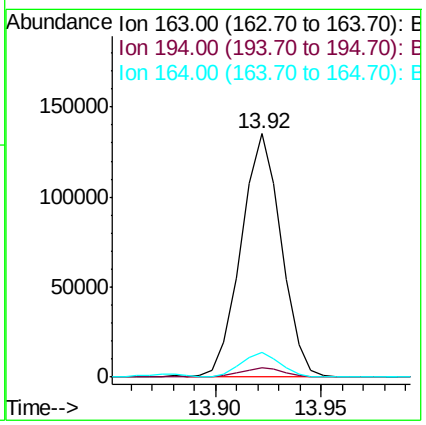
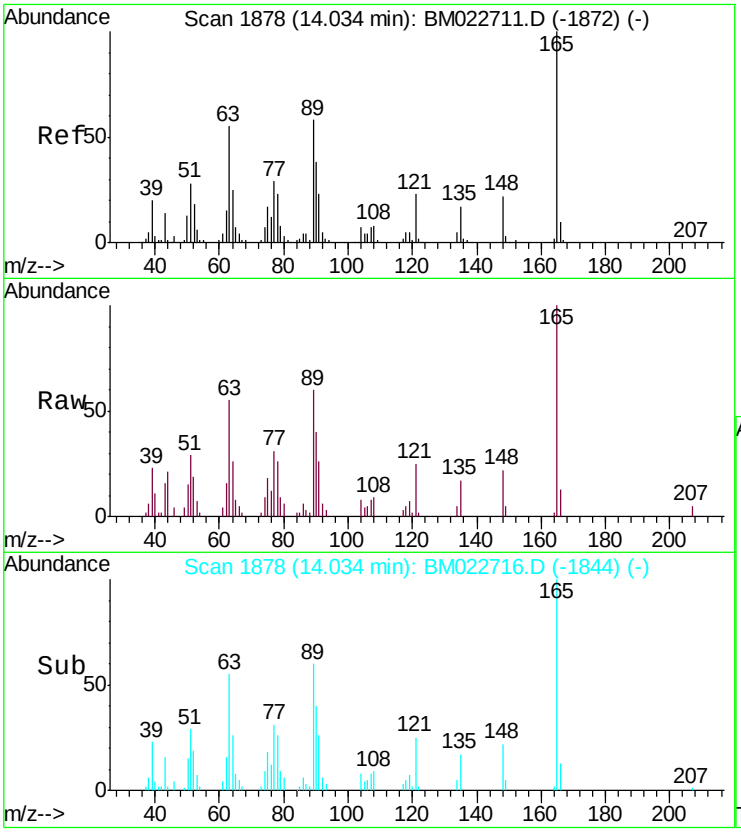


#45
Dimethylphthalate
Concen: 3.832 ng/ul
RT: 13.92 min Scan# 1859
Delta R.T. 0.00 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:163 Resp: 178595

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	10.1	7.8	11.8

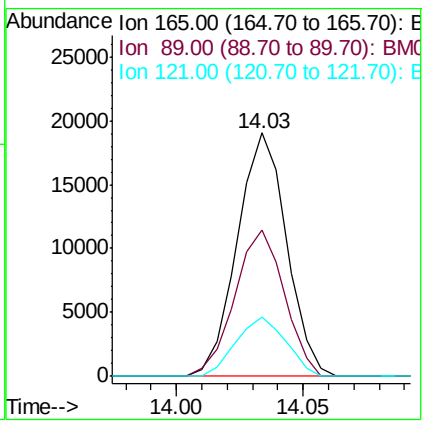




#46
2,6-Dinitrotoluene
Concen: 3.390 ng/ul
RT: 14.03 min Scan# 1878
Delta R.T. 0.00 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:165 Resp: 25719

Ion	Ratio	Lower	Upper
165	100		
89	60.2	47.7	71.5
121	24.5	18.4	27.6



Instrument :
BNA_M
ClientSampleId :
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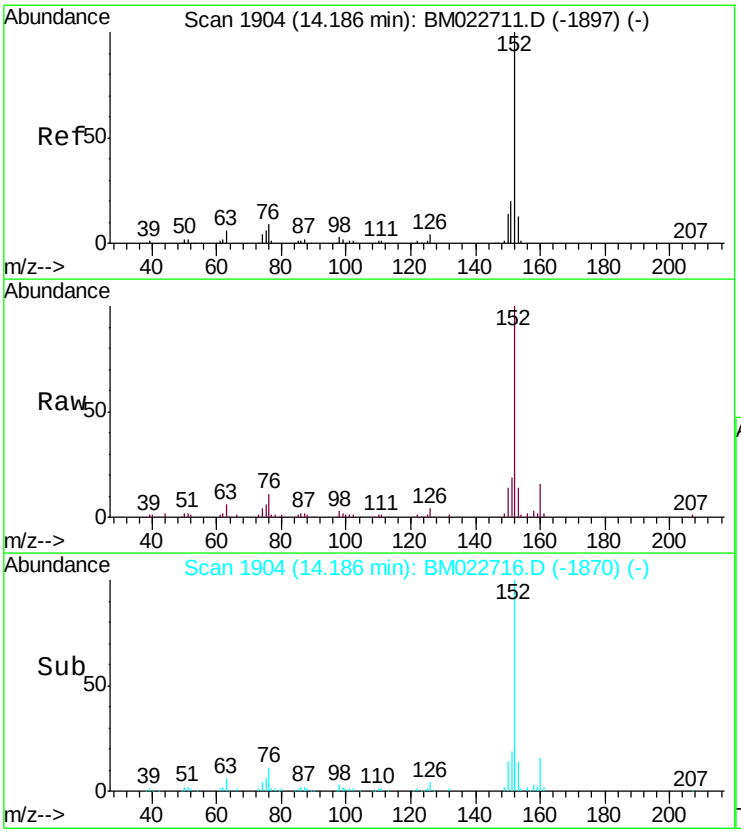
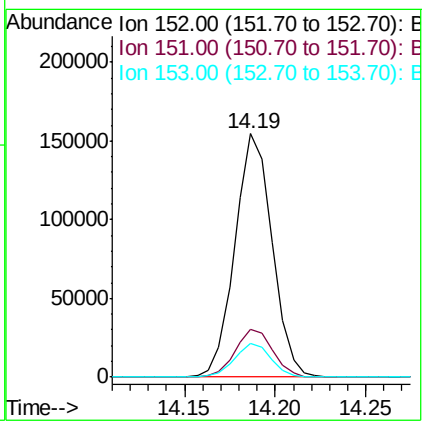
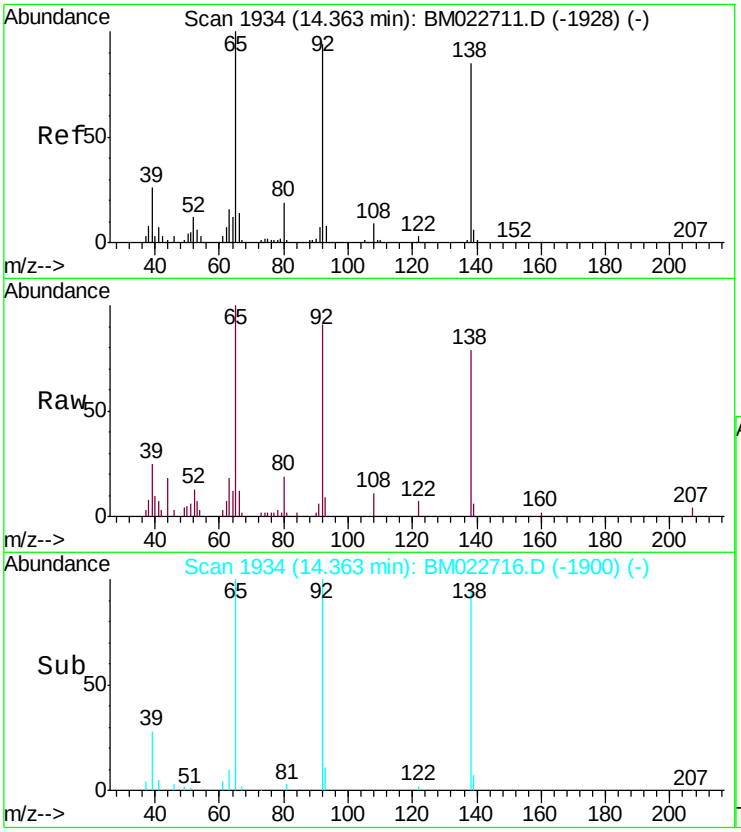


#48
Acenaphthylene
Concen: 3.869 ng/ul
RT: 14.19 min Scan# 1904
Delta R.T. 0.00 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:152 Resp: 220621

Ion	Ratio	Lower	Upper
152	100		
151	19.4	15.8	23.8
153	13.6	10.4	15.6

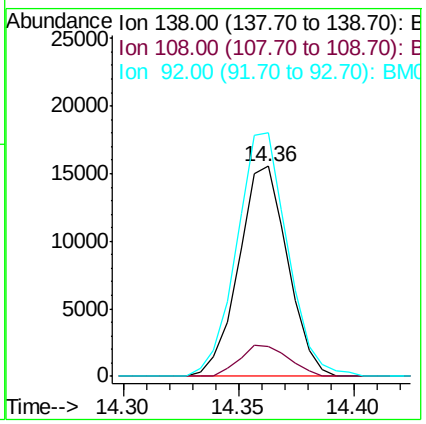




#49
3-Nitroaniline
Concen: 2.791 ng/ul
RT: 14.36 min Scan# 1934
Delta R.T. 0.00 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:138 Resp: 22960

Ion	Ratio	Lower	Upper
138	100		
108	14.5	13.5	20.3
92	115.9	93.7	140.5



Instrument :
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ClientSampleId :
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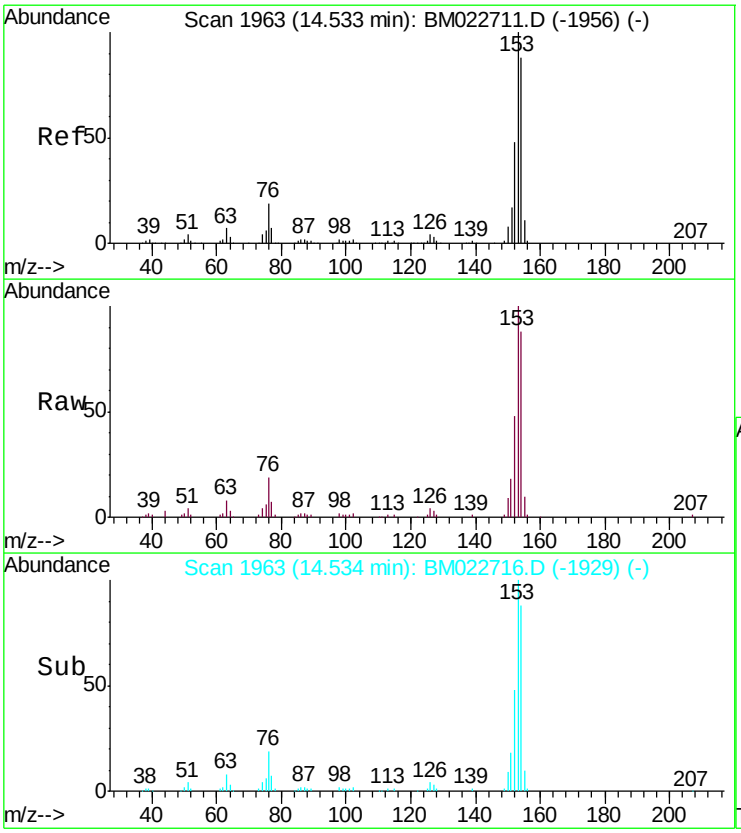
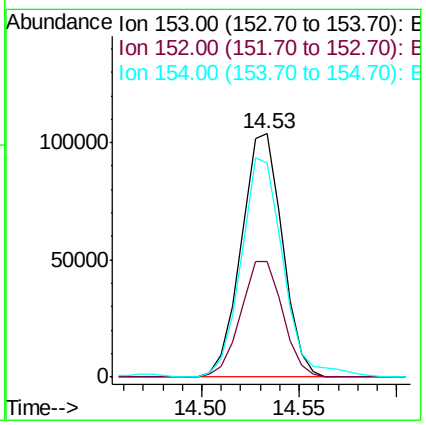
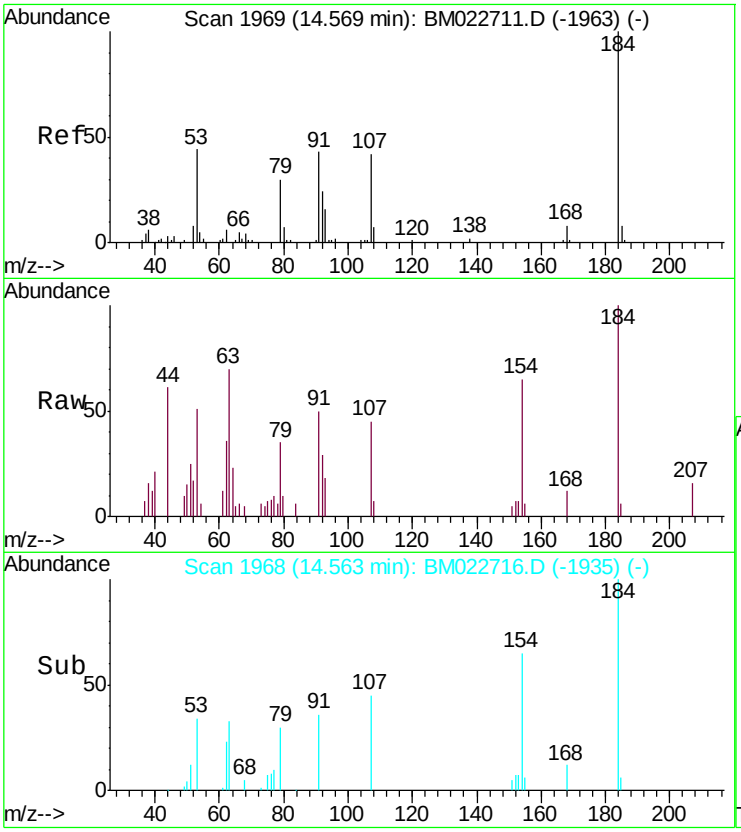


#50
Acenaphthene
Concen: 3.843 ng/ul
RT: 14.53 min Scan# 1963
Delta R.T. 0.00 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:153 Resp: 151859

Ion	Ratio	Lower	Upper
153	100		
152	47.6	37.5	56.3
154	88.2	71.4	107.0

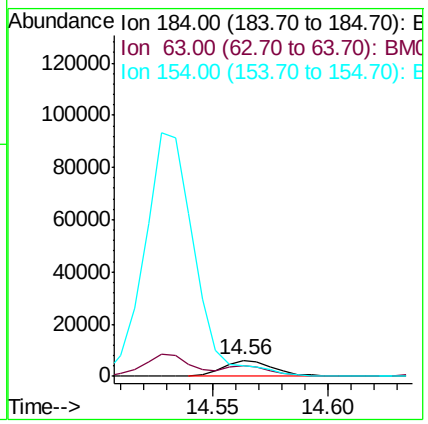




#51
2,4-Dinitrophenol
Concen: 2.685 ng/ul
RT: 14.56 min Scan# 1968
Delta R.T. -0.01 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:184 Resp: 9346

Ion	Ratio	Lower	Upper
184	100		
63	70.5	51.5	77.3
154	64.6	81.9	122.9#



Instrument :
BNA_M
ClientSampleId :
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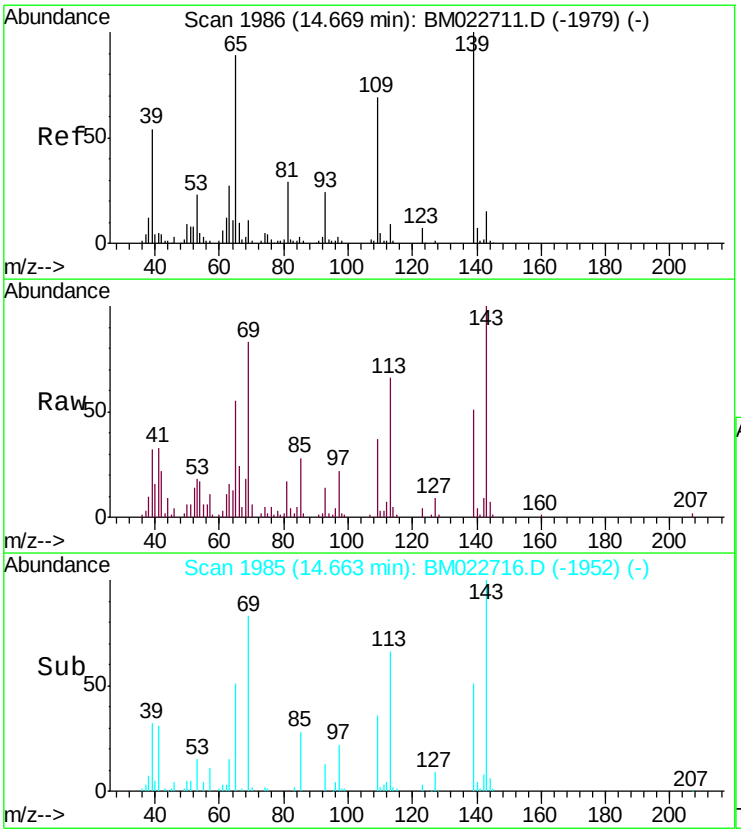
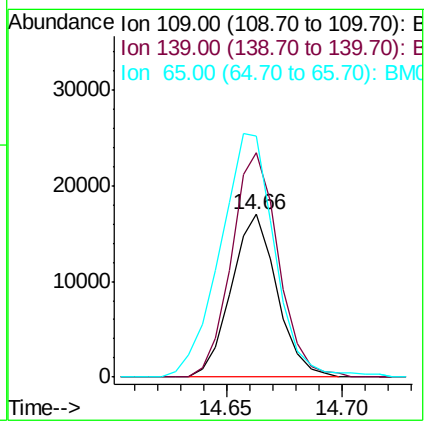
9/19/2019 4:43:54 PM

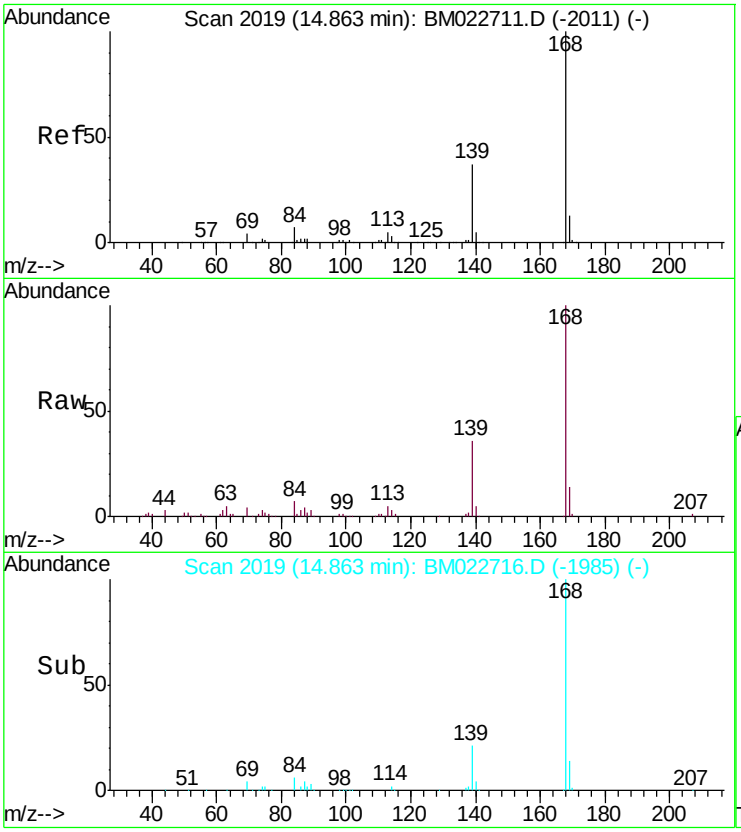


#53
4-Nitrophenol
Concen: 3.733 ng/ul
RT: 14.66 min Scan# 1985
Delta R.T. -0.01 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:109 Resp: 23526

Ion	Ratio	Lower	Upper
109	100		
139	138.2	107.6	161.4
65	148.3	101.9	152.9





#54
Dibenzofuran
Concen: 4.060 ng/ul
RT: 14.86 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:168 Resp: 222657

Ion	Ratio	Lower	Upper
168	100		
139	36.1	29.5	44.3

Instrument :
BNA_M
ClientSampleId :
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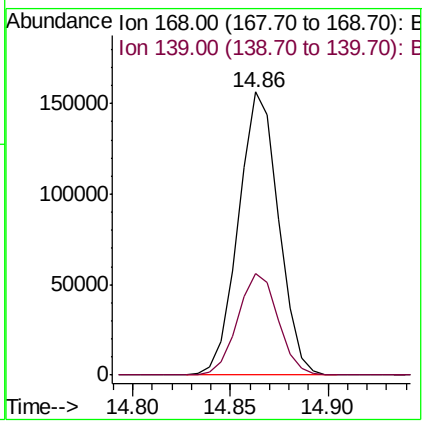
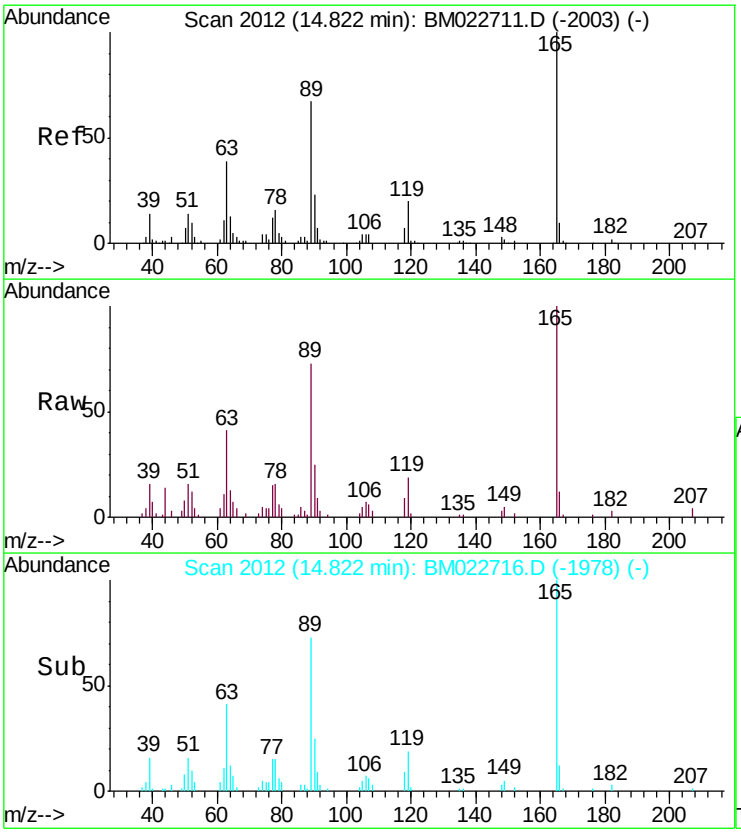
9/19/2019 4:43:54 PM

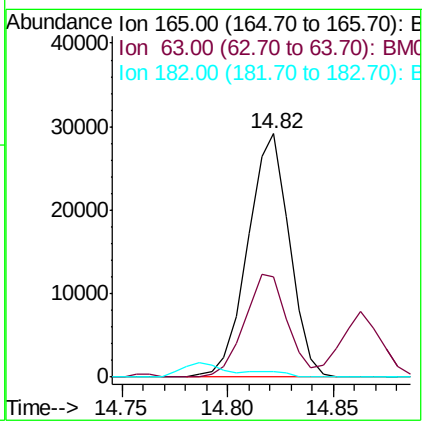


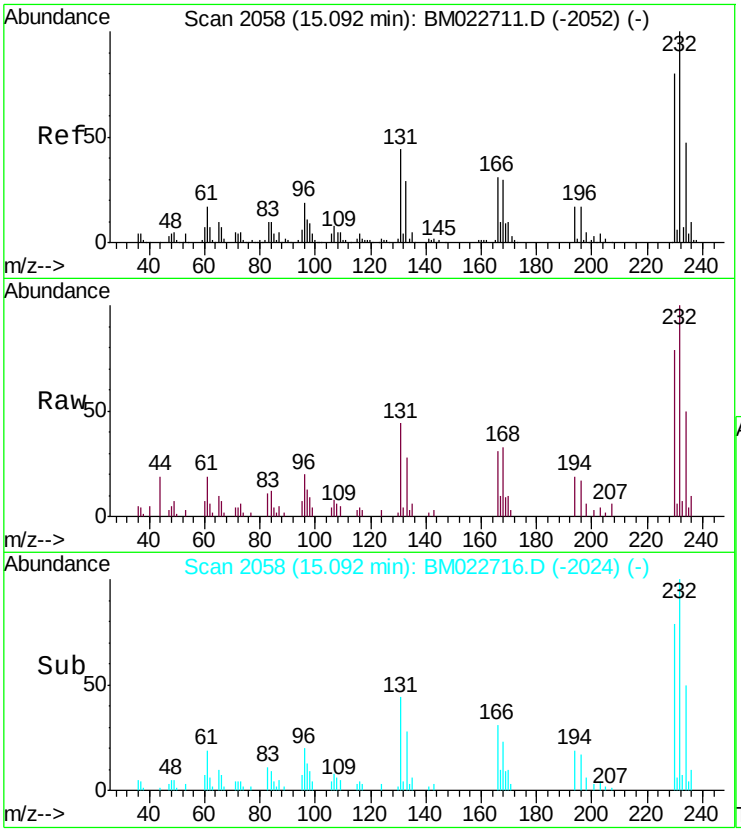


#55
2,4-Dinitrotoluene
Concen: 3.593 ng/ul
RT: 14.82 min Scan# 2012
Delta R.T. 0.00 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:165 Resp: 39933

Ion	Ratio	Lower	Upper
165	100		
63	41.4	35.7	53.5
182	2.5	2.2	3.2

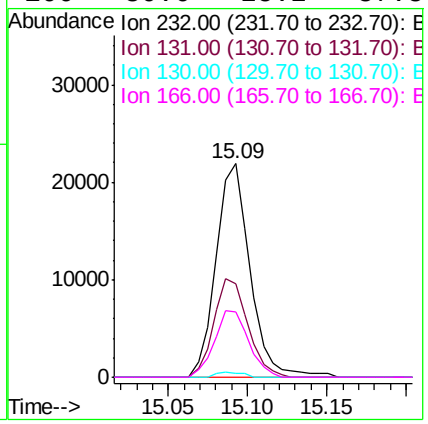




#56
2,3,4,6-Tetrachlorophenol
Concen: 3.177 ng/ul
RT: 15.09 min Scan# 2058
Delta R.T. 0.00 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:232 Resp: 32751

Ion	Ratio	Lower	Upper
232	100		
131	43.7	36.9	55.3
130	2.1	2.0	3.0
166	30.6	25.2	37.8



Instrument :
BNA_M
ClientSampleId :
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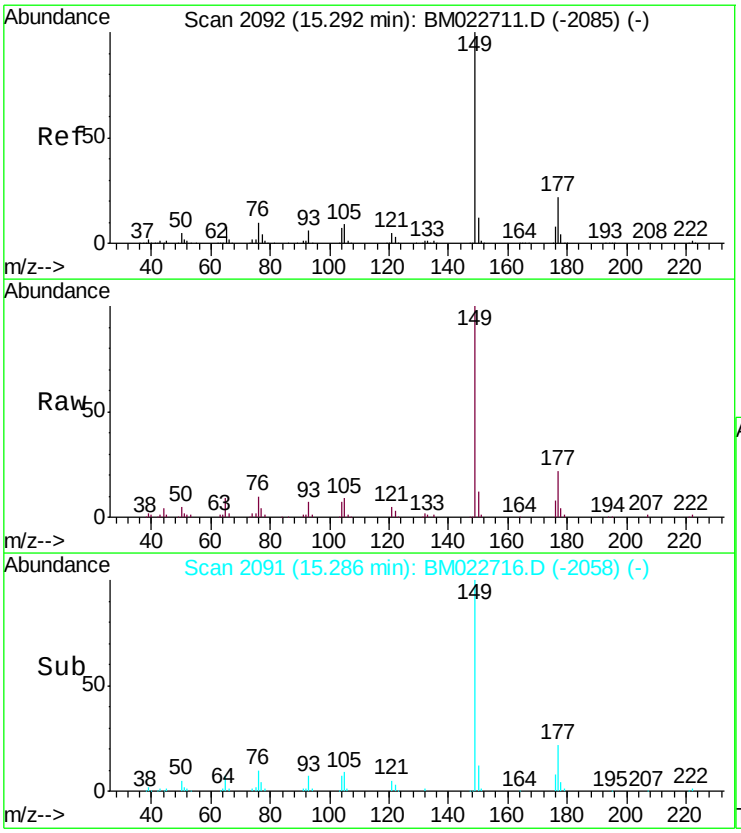
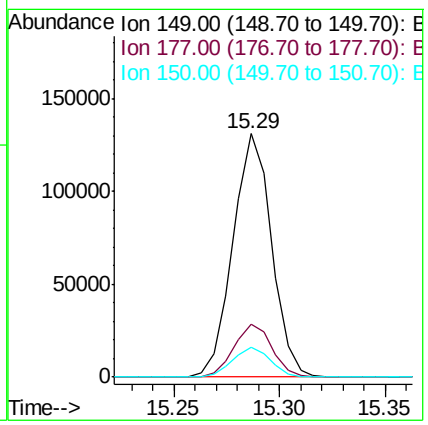
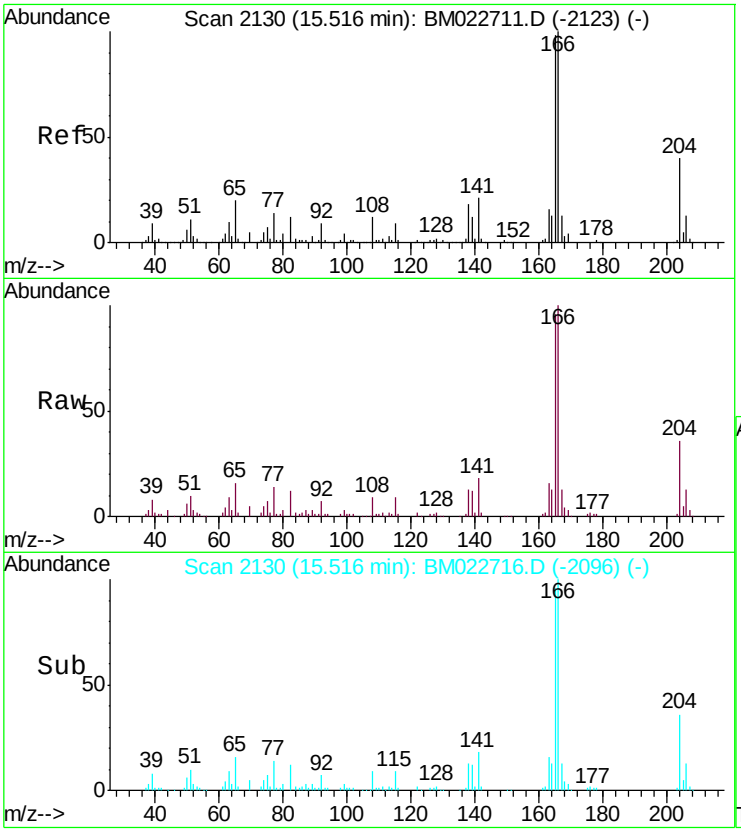


#57
Diethylphthalate
Concen: 3.439 ng/ul
RT: 15.29 min Scan# 2091
Delta R.T. -0.01 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:149 Resp: 165823

Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.3	25.9
150	12.1	10.2	15.2





#59
Fluorene
Concen: 3.993 ng/ul
RT: 15.52 min Scan# 2130
Delta R.T. 0.00 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:166 Resp: 180163

Ion	Ratio	Lower	Upper
166	100		
165	95.8	77.8	116.8
167	13.2	10.9	16.3

Instrument :
BNA_M
ClientSampleId :
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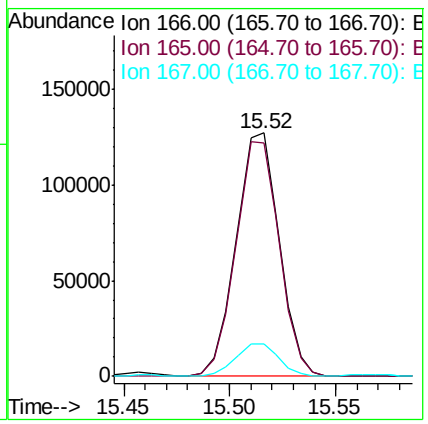
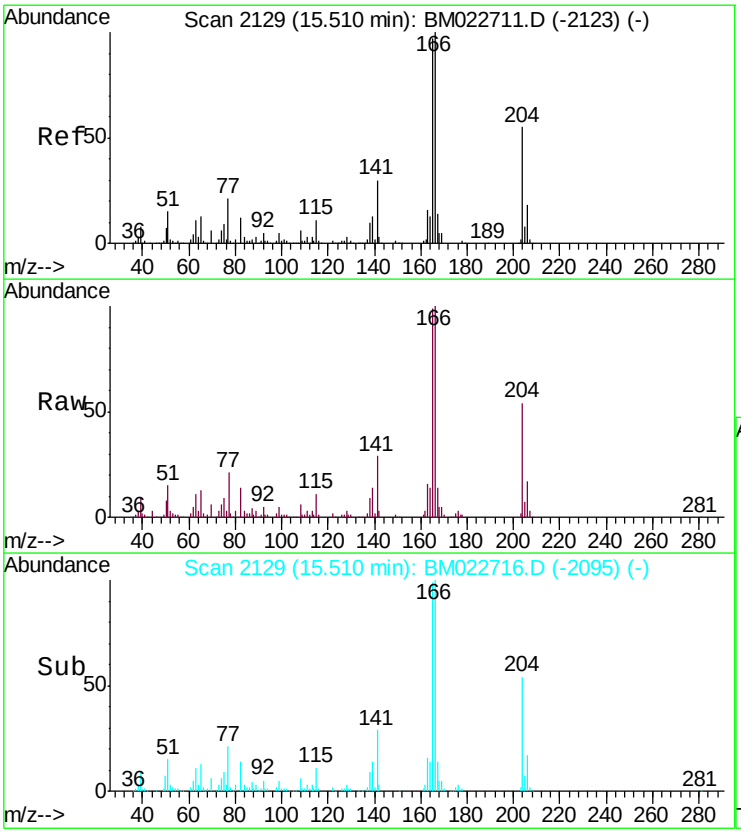
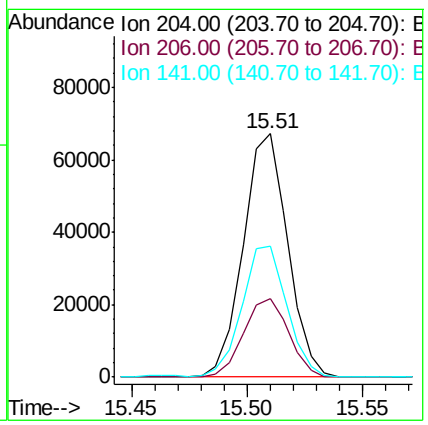


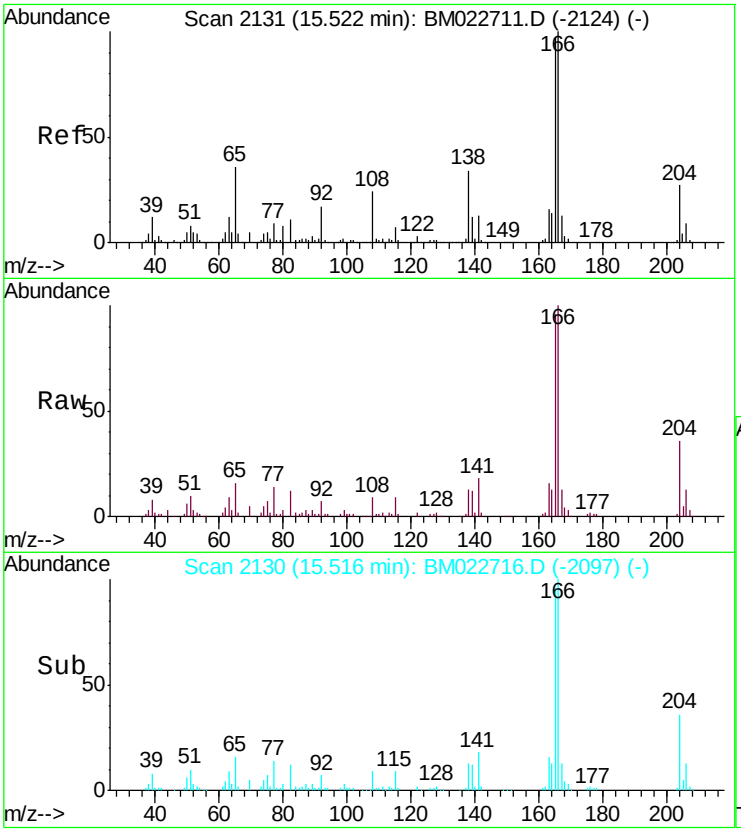


#60
4-Chlorophenyl-phenylether
Concen: 4.037 ng/ul
RT: 15.51 min Scan# 2129
Delta R.T. 0.00 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:204 Resp: 90133

Ion	Ratio	Lower	Upper
204	100		
206	32.0	26.0	39.0
141	53.8	45.4	68.2





#61
4-Nitroaniline
Concen: 2.606 ng/ul
RT: 15.52 min Scan# 2130
Delta R.T. -0.01 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:138 Resp: 24431

Ion	Ratio	Lower	Upper
138	100		
92	53.4	40.3	60.5
108	68.5	62.2	93.2

Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-05

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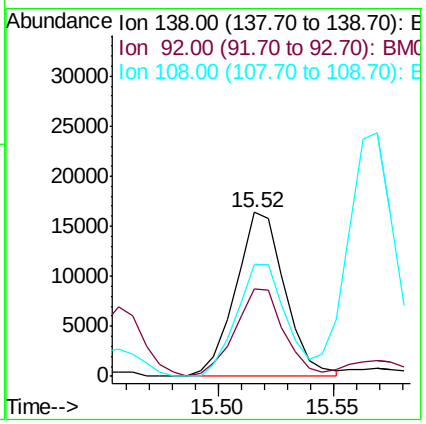
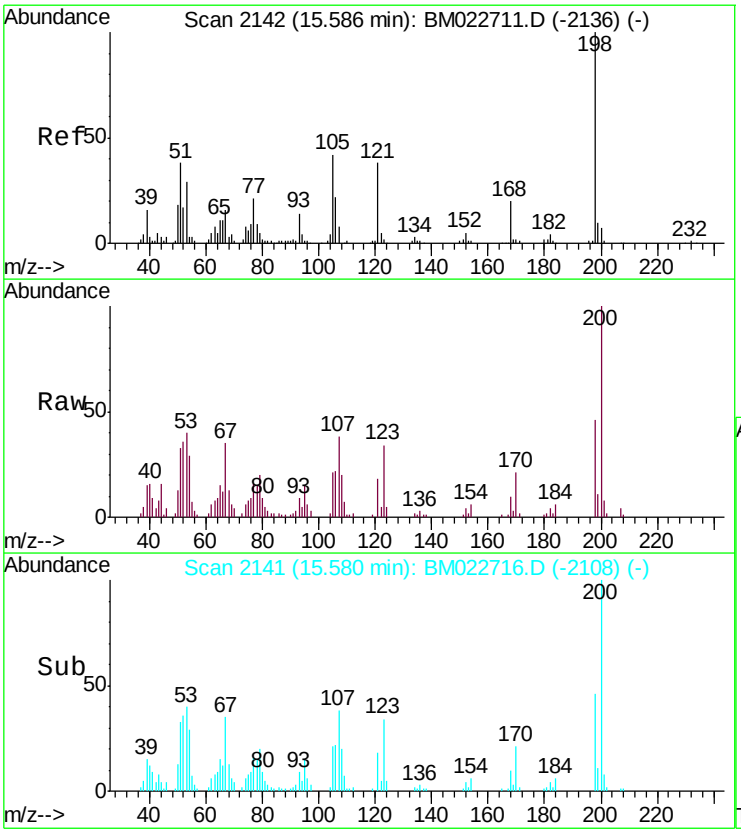
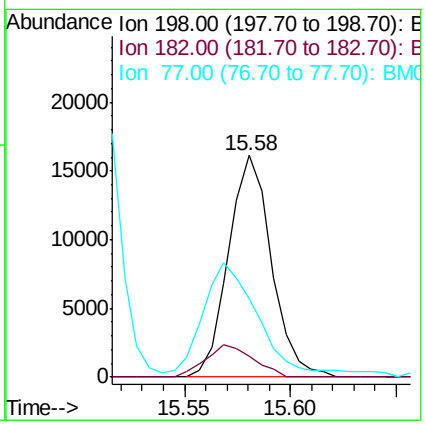


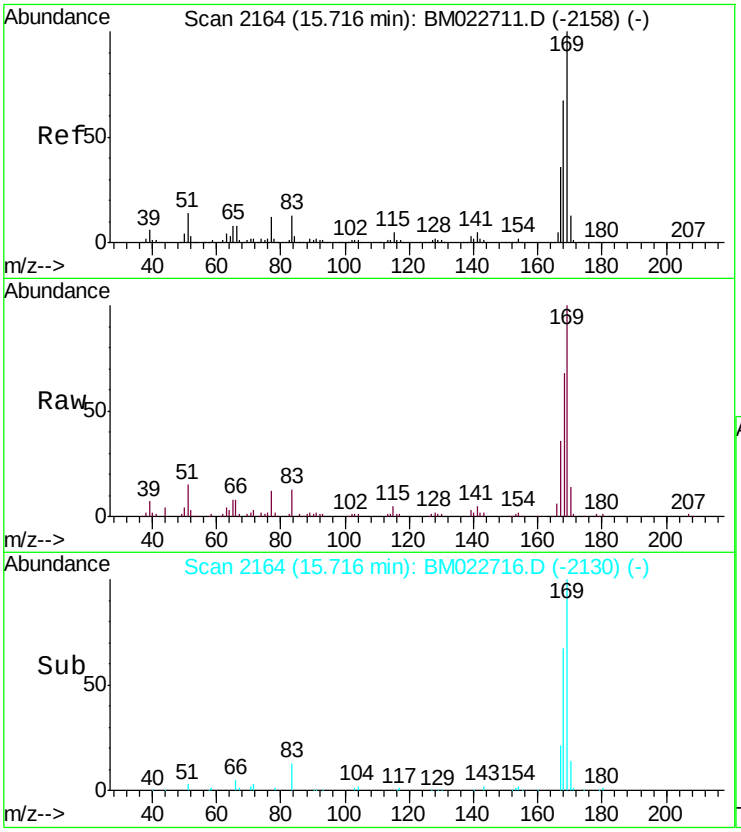


#64
4,6-Dinitro-2-methylphenol
Concen: 3.669 ng/ul
RT: 15.58 min Scan# 2141
Delta R.T. -0.01 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:198 Resp: 22727

Ion	Ratio	Lower	Upper
198	100		
182	9.4	3.4	5.0#
77	35.4	19.7	29.5#

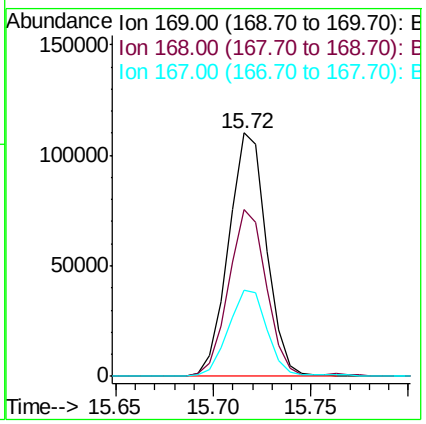




#65
N-Nitrosodiphenylamine
Concen: 3.682 ng/ul
RT: 15.72 min Scan# 2164
Delta R.T. 0.00 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:169 Resp: 147965

Ion	Ratio	Lower	Upper
169	100		
168	68.4	53.5	80.3
167	35.6	29.5	44.3



Instrument :
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ClientSampleId :
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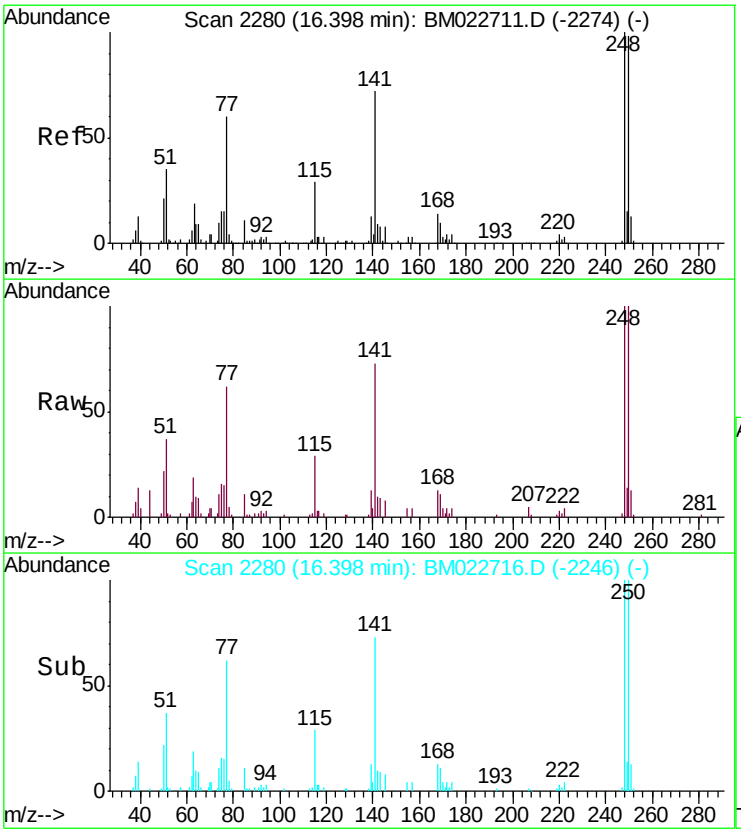
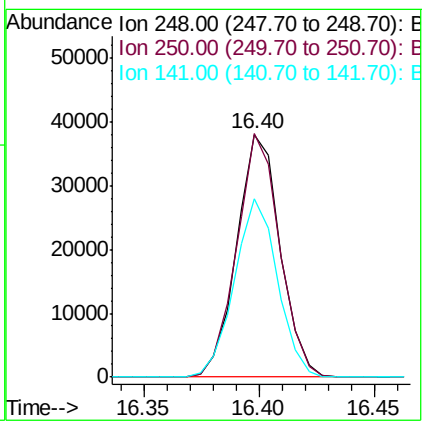
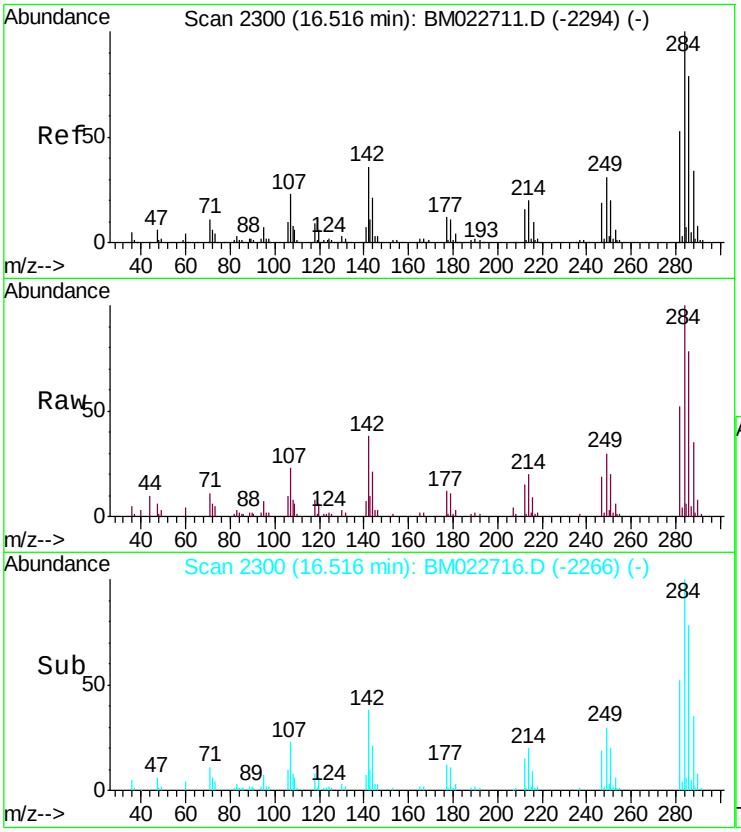


#66
4-Bromophenyl-phenylether
Concen: 3.410 ng/ul
RT: 16.40 min Scan# 2280
Delta R.T. 0.00 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:248 Resp: 50178

Ion	Ratio	Lower	Upper
248	100		
250	100.2	76.3	114.5
141	73.4	57.0	85.4

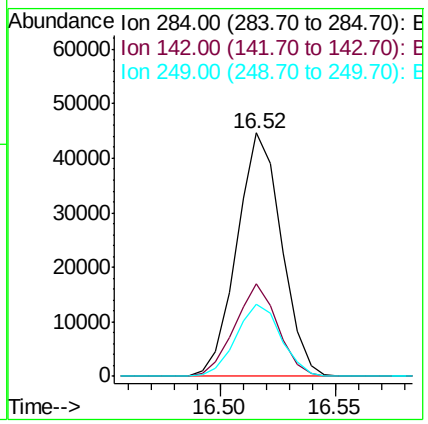




#67
Hexachlorobenzene
Concen: 3.704 ng/ul
RT: 16.52 min Scan# 2300
Delta R.T. 0.00 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:284 Resp: 60067

Ion	Ratio	Lower	Upper
284	100		
142	38.2	29.3	43.9
249	29.5	24.7	37.1



Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-05

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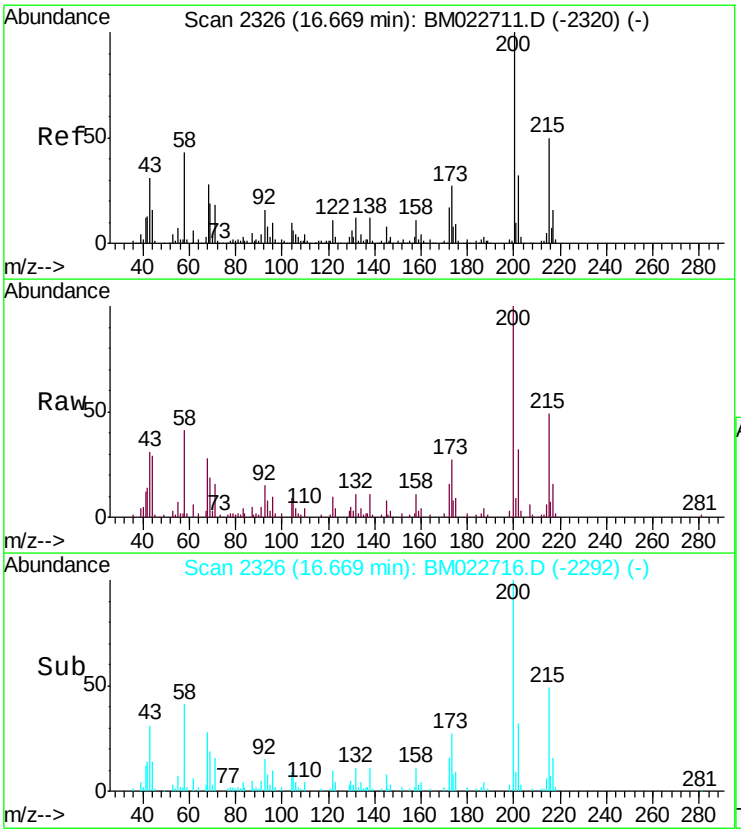
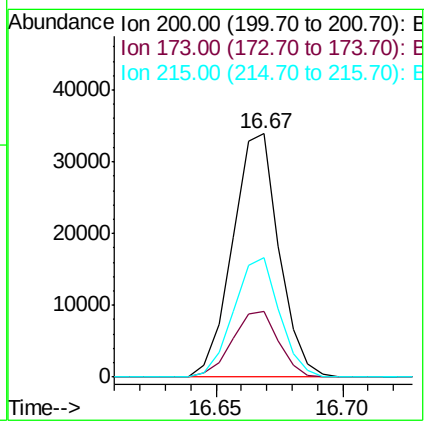
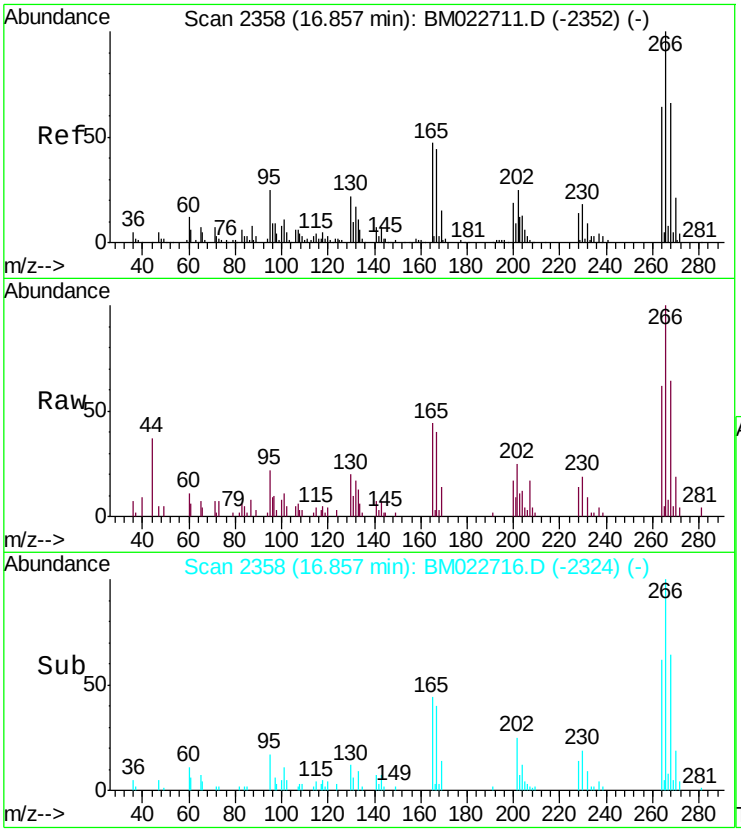


#68
Atrazine
Concen: 2.798 ng/ul
RT: 16.67 min Scan# 2326
Delta R.T. 0.00 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:200 Resp: 43222

Ion	Ratio	Lower	Upper
200	100		
173	27.1	21.6	32.4
215	49.3	39.0	58.4

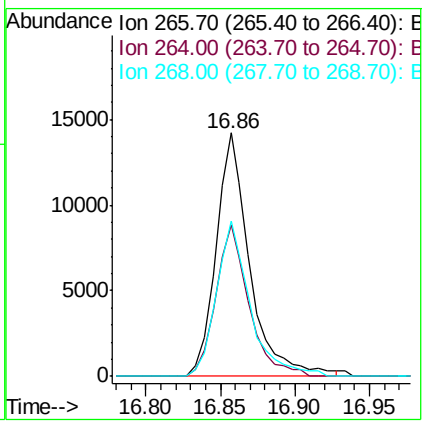




#69
Pentachlorophenol
Concen: 2.507 ng/ul
RT: 16.86 min Scan# 2358
Delta R.T. 0.00 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:266 Resp: 22429

Ion	Ratio	Lower	Upper
266	100		
264	62.0	50.8	76.2
268	63.9	50.9	76.3



Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-05

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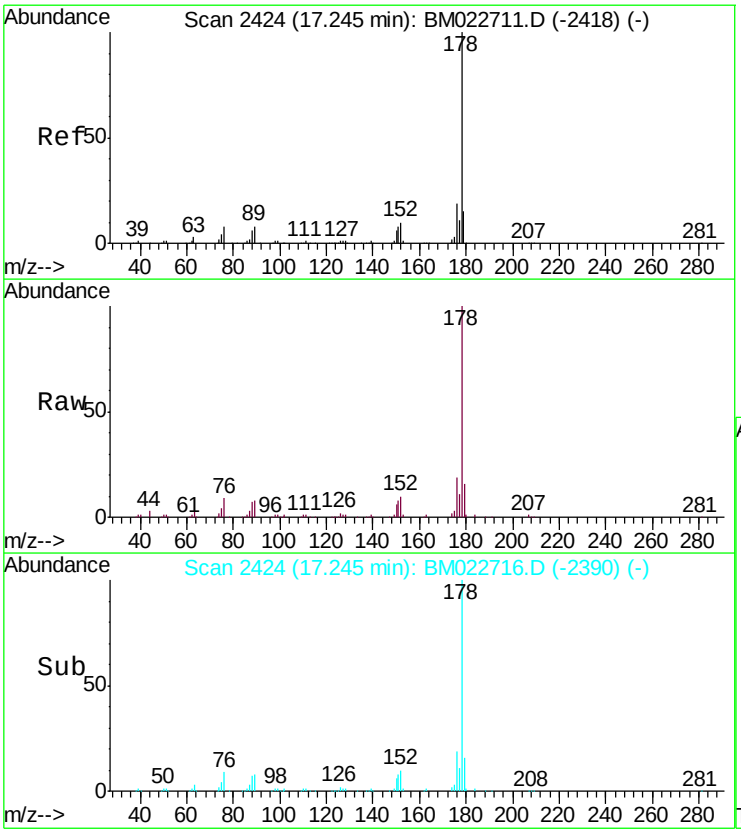
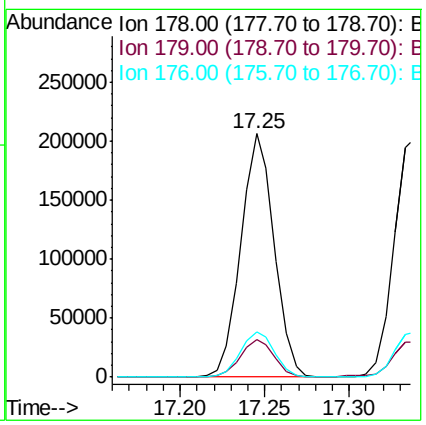
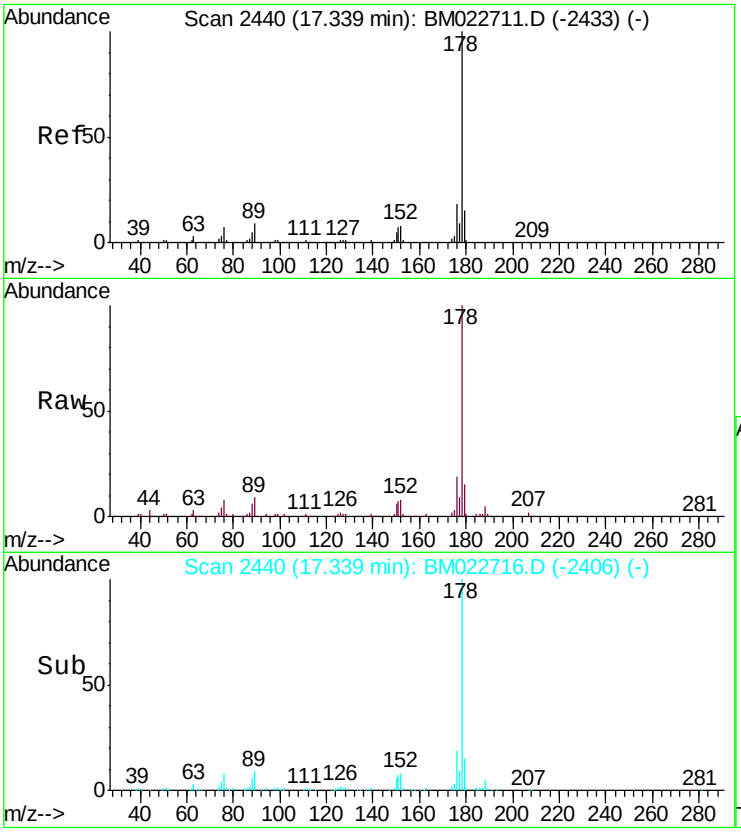


#70
Phenanthrene
Concen: 3.925 ng/ul
RT: 17.25 min Scan# 2424
Delta R.T. 0.00 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:178 Resp: 283053

Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.0	18.0
176	18.8	15.4	23.0

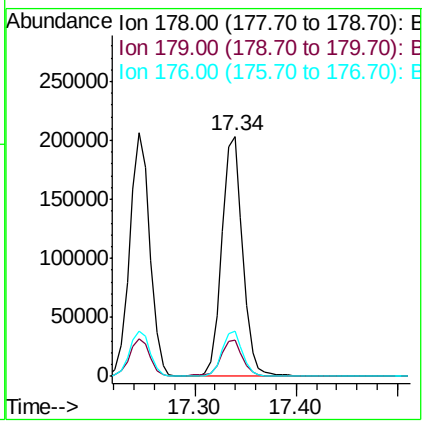




#72
Anthracene
Concen: 3.935 ng/ul
RT: 17.34 min Scan# 2440
Delta R.T. 0.00 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:178 Resp: 291454

Ion	Ratio	Lower	Upper
178	100		
179	14.9	12.3	18.5
176	18.6	14.7	22.1



Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-05

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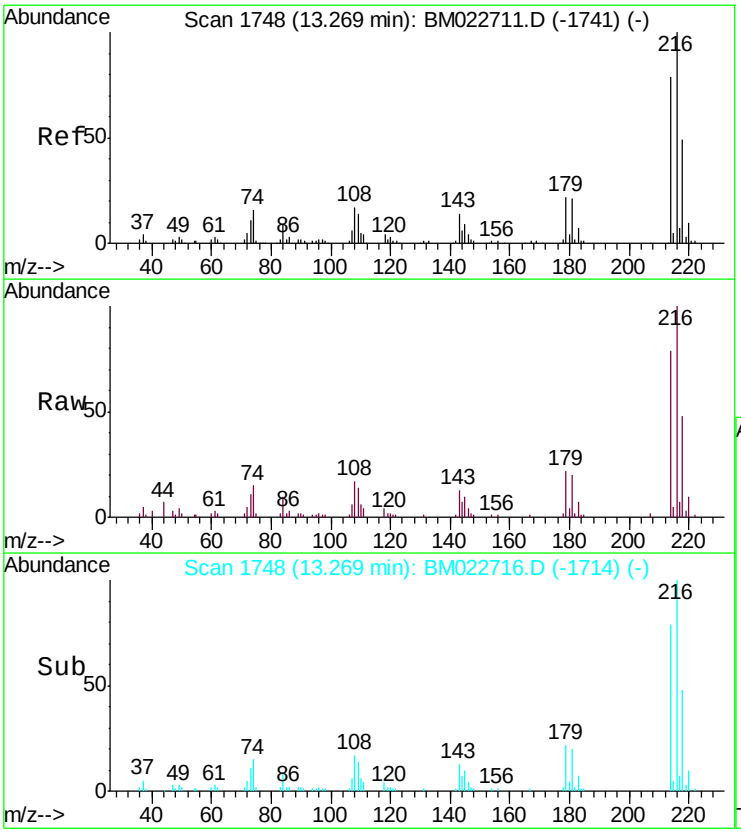
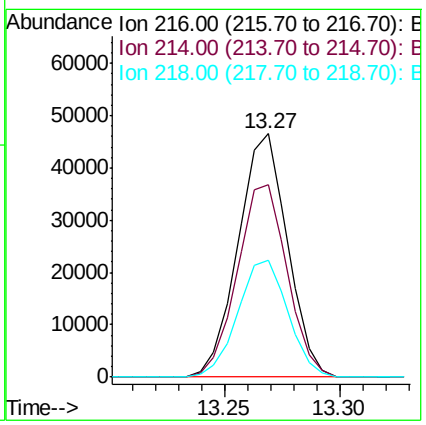
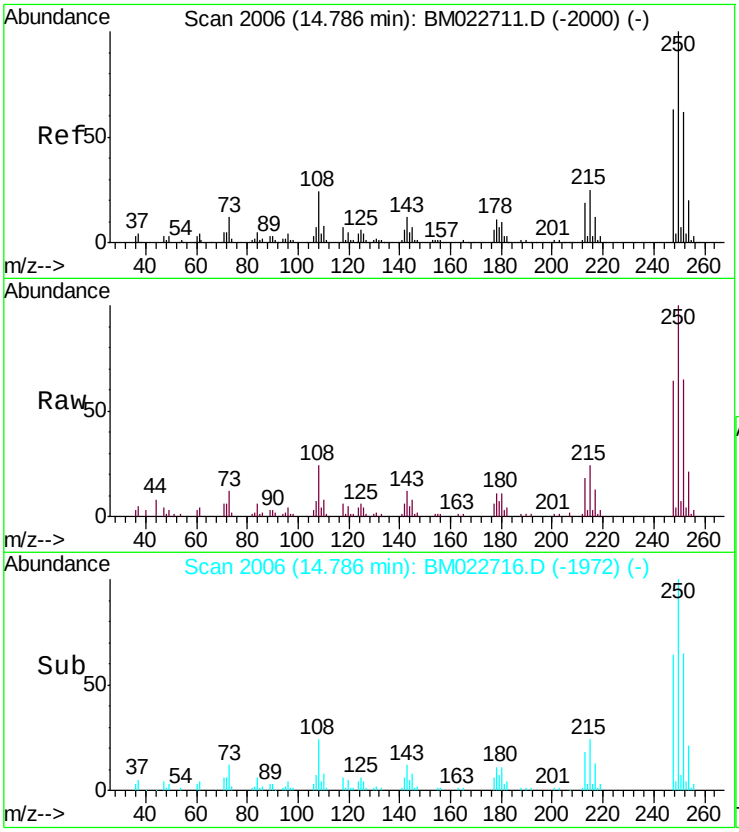


#73
1,2,3,4-Tetrachlorobenzene
Concen: 3.779 ng/uL
RT: 13.27 min Scan# 1748
Delta R.T. 0.00 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:216 Resp: 69287

Ion	Ratio	Lower	Upper
216	100		
214	78.8	62.5	93.7
218	48.1	38.2	57.4

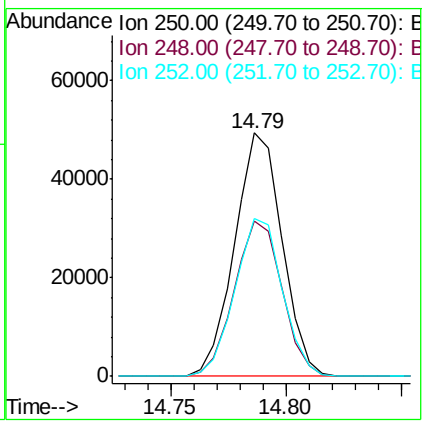




#74
Pentachlorobenzene
Concen: 3.841 ng/uL
RT: 14.79 min Scan# 2006
Delta R.T. 0.00 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:250 Resp: 70997

Ion	Ratio	Lower	Upper
250	100		
248	64.0	51.3	76.9
252	64.8	51.1	76.7



Instrument :
BNA_M
ClientSampleId :
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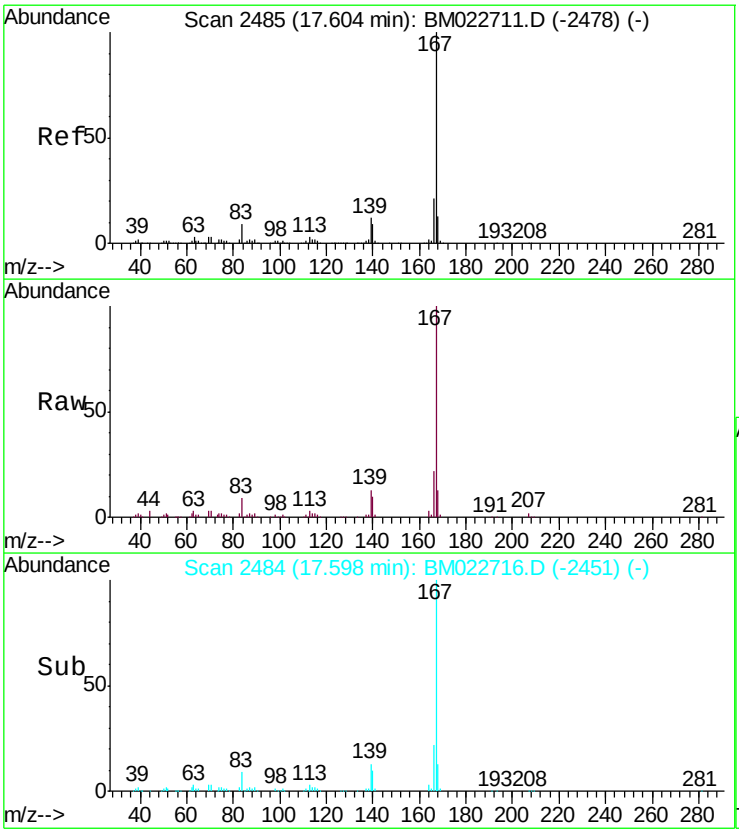
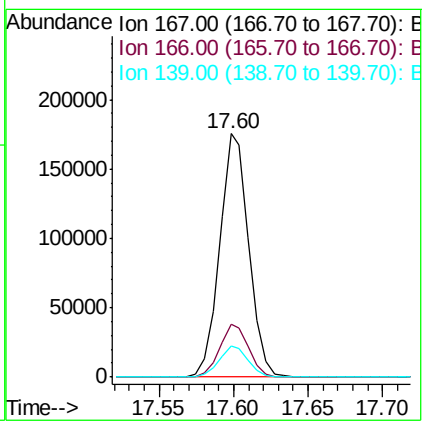
9/19/2019 4:43:54 PM

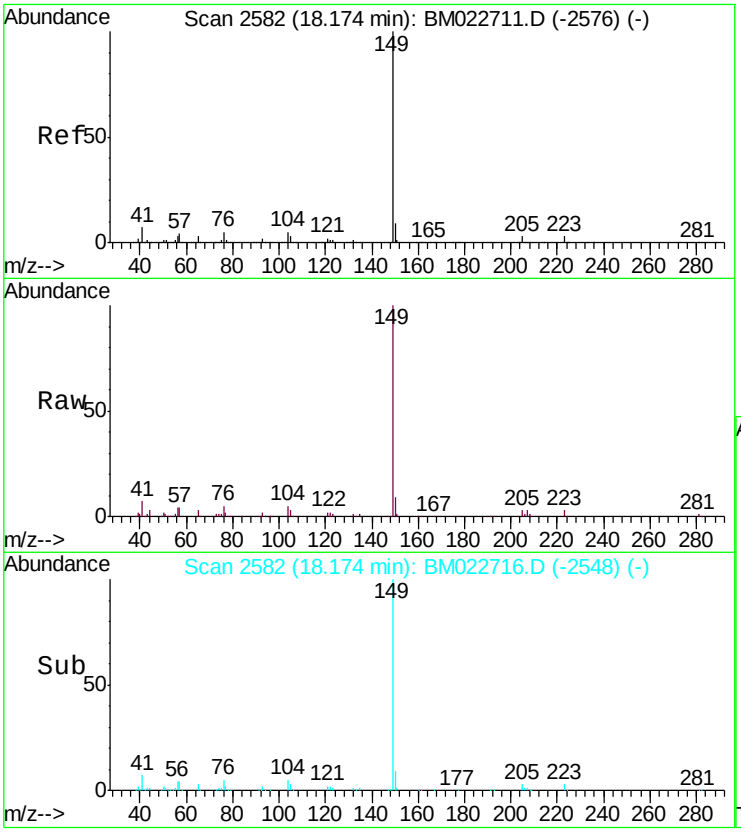


#75
Carbazole
Concen: 3.606 ng/ul
RT: 17.60 min Scan# 2484
Delta R.T. -0.01 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:167 Resp: 240099

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.4	26.0
139	13.0	10.6	15.8

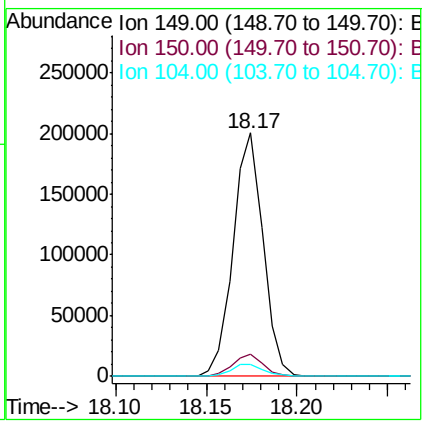




#76
Di-n-butylphthalate
Concen: 2.741 ng/ul
RT: 18.17 min Scan# 2582
Delta R.T. 0.00 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:149 Resp: 231101

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.3	10.9
104	4.9	3.9	5.9



Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-05

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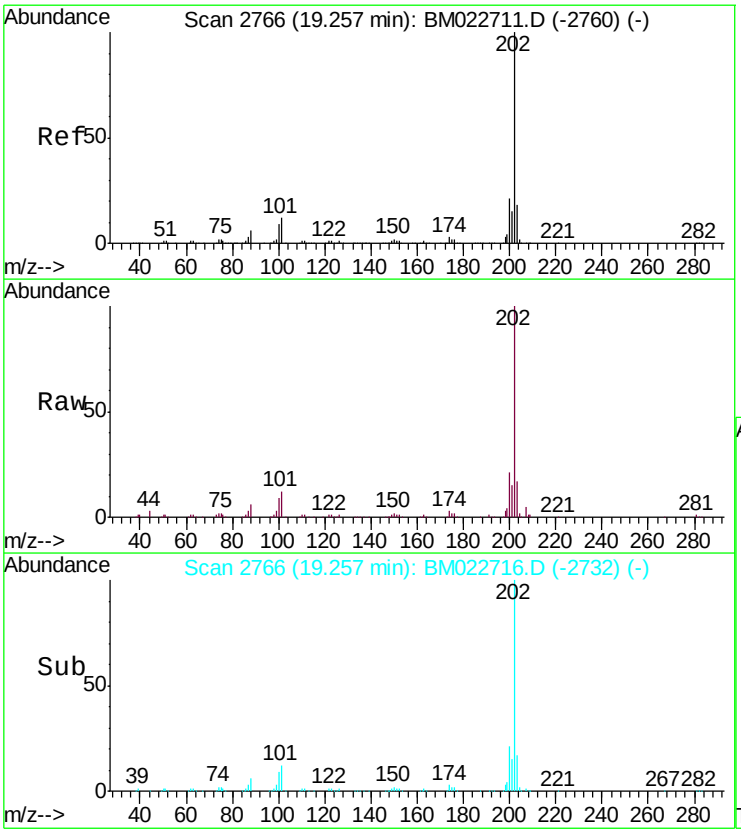
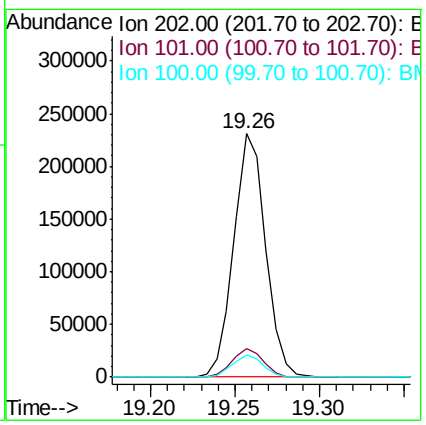
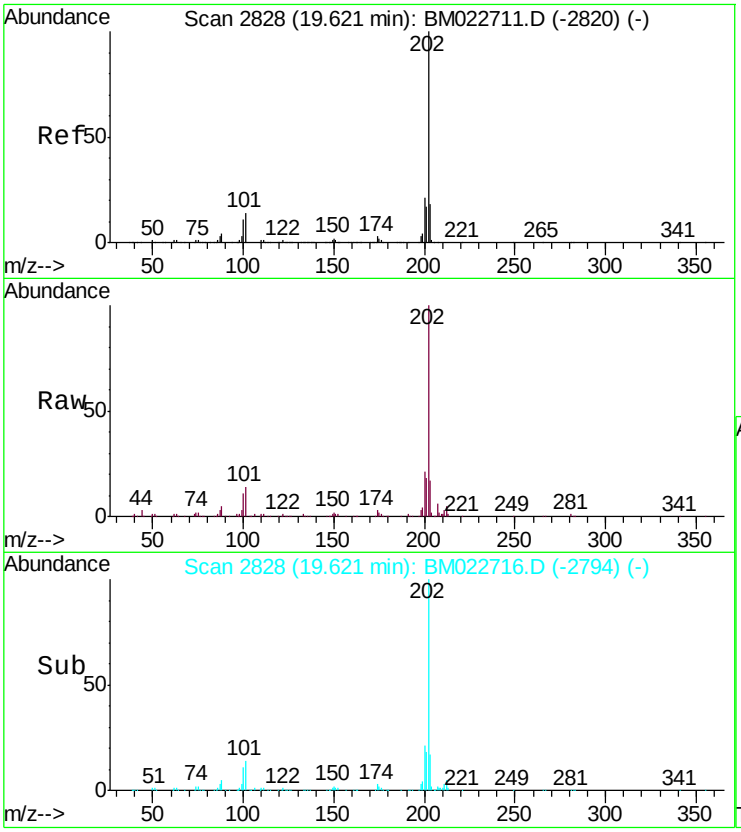


#77
Fluoranthene
Concen: 3.713 ng/ul
RT: 19.26 min Scan# 2766
Delta R.T. 0.00 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:202 Resp: 303863

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





#80
Pyrene
Concen: 4.065 ng/ul
RT: 19.62 min Scan# 2828
Delta R.T. 0.00 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:202 Resp: 346493

Ion	Ratio	Lower	Upper
202	100		
101	13.8	10.6	16.0
100	11.3	8.6	13.0

Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-05

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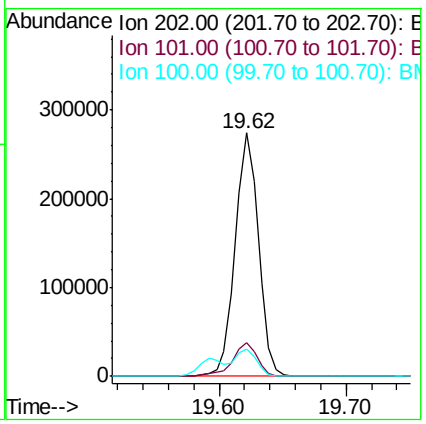
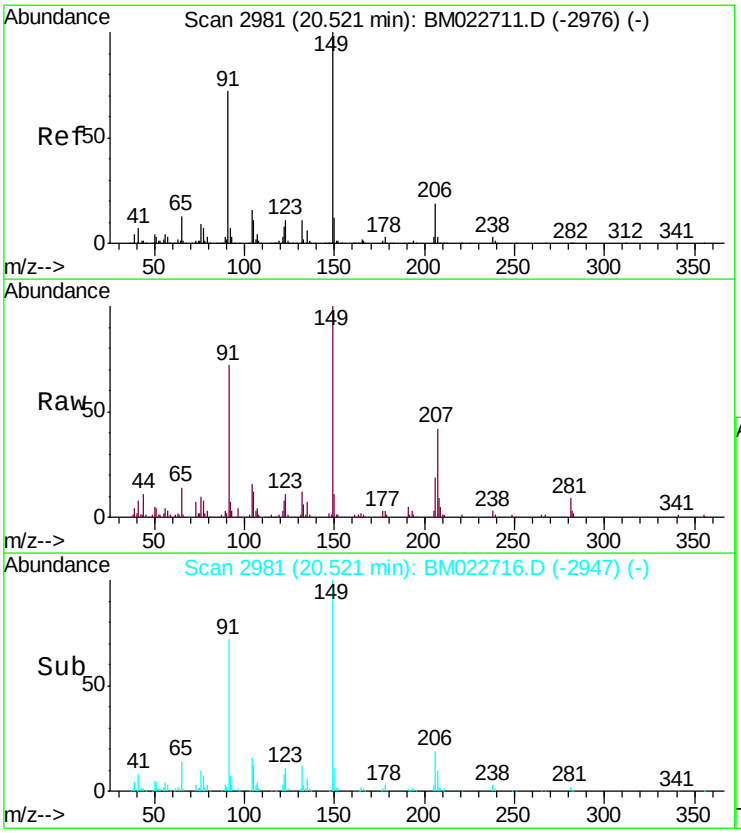
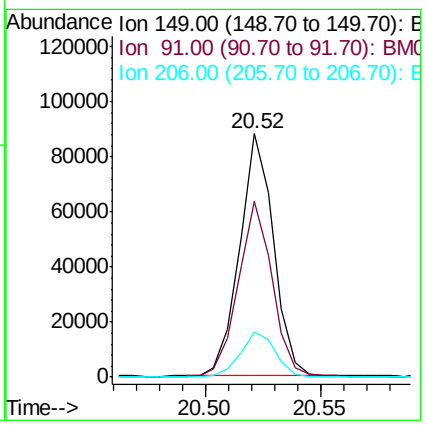


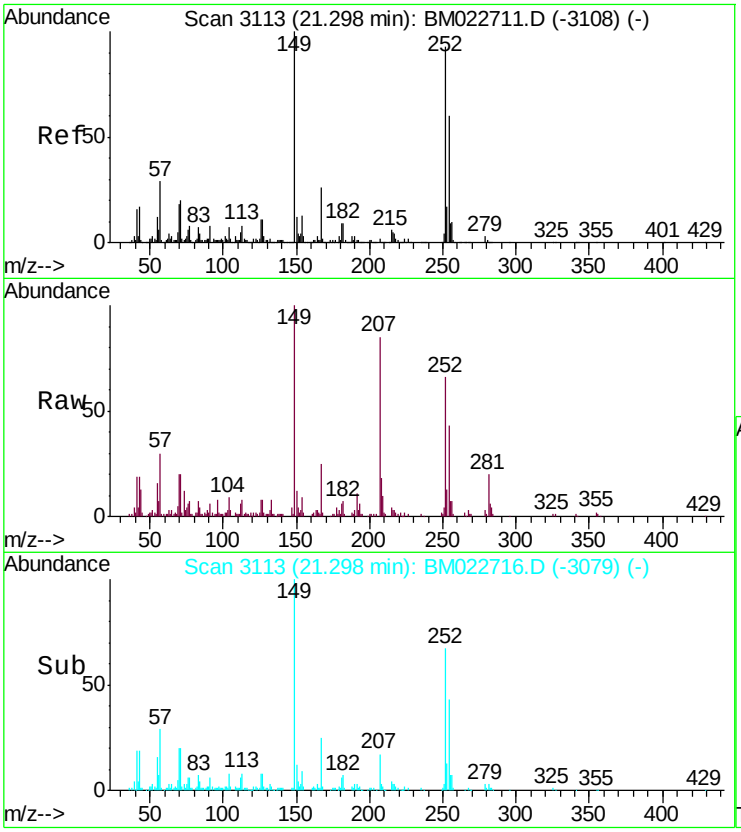


#81
Butylbenzylphthalate
Concen: 2.515 ng/ul
RT: 20.52 min Scan# 2981
Delta R.T. 0.00 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:149 Resp: 90377

Ion	Ratio	Lower	Upper
149	100		
91	72.0	55.4	83.0
206	18.7	17.0	25.4

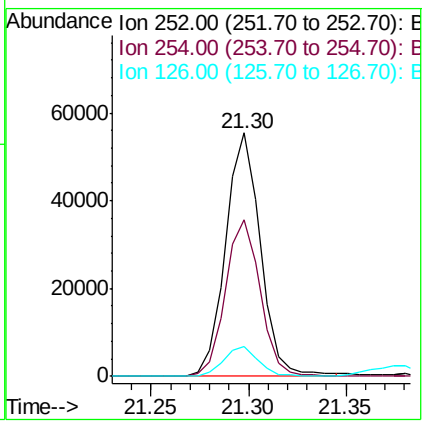




#82
3,3'-Dichlorobenzidine
Concen: 2.290 ng/ul
RT: 21.30 min Scan# 3113
Delta R.T. 0.00 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:252 Resp: 68580

Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.2	76.8
126	12.2	8.6	13.0



Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-05

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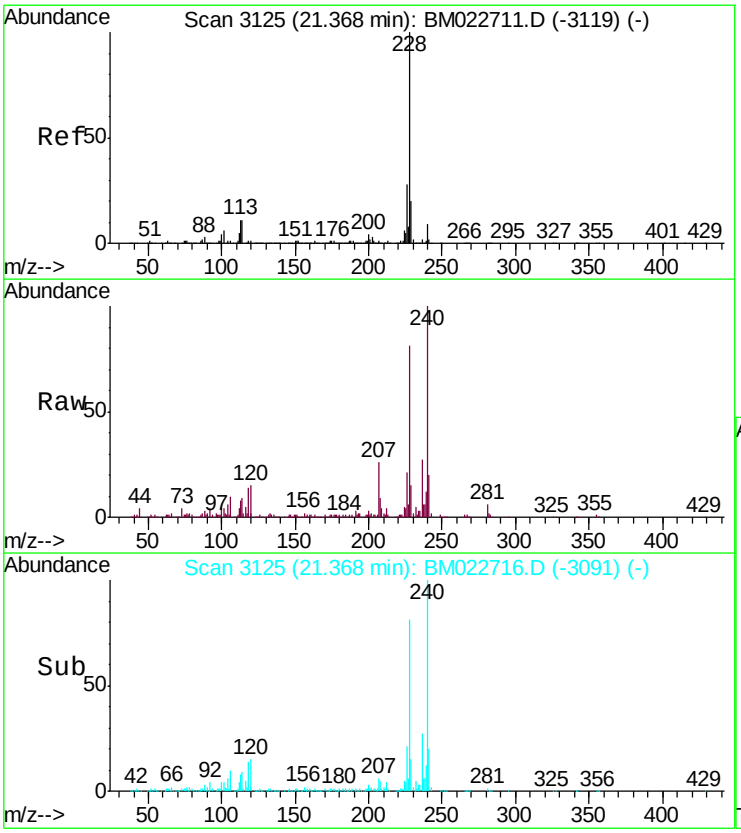
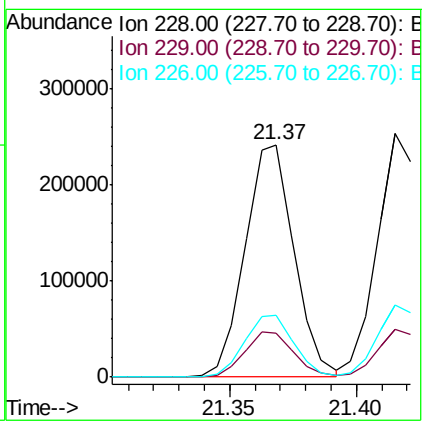
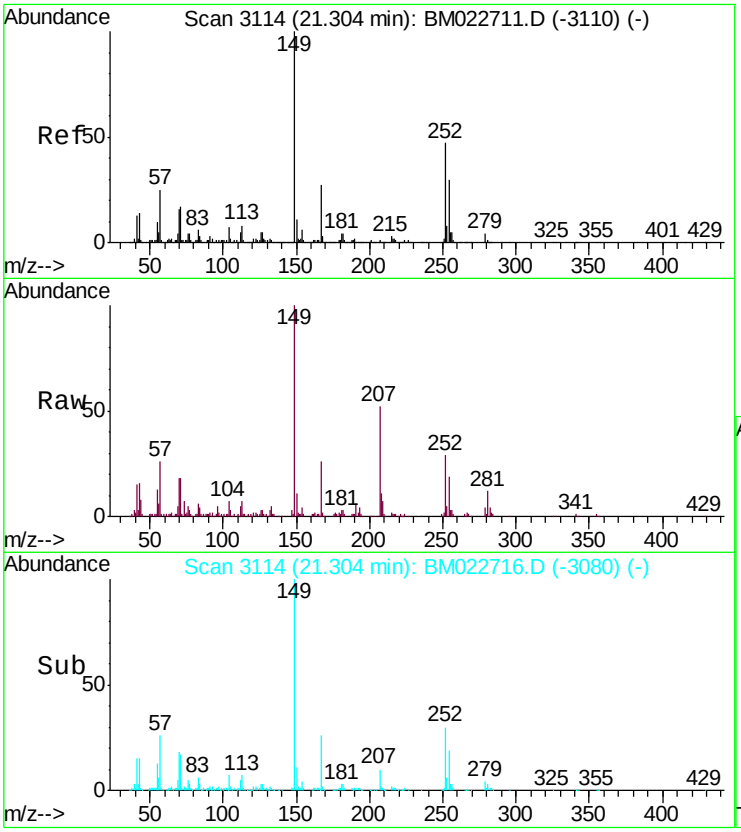


#83
Benzo(a)anthracene
Concen: 3.722 ng/ul
RT: 21.37 min Scan# 3125
Delta R.T. 0.00 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:228 Resp: 325188

Ion	Ratio	Lower	Upper
228	100		
229	18.9	15.7	23.5
226	26.4	22.2	33.2

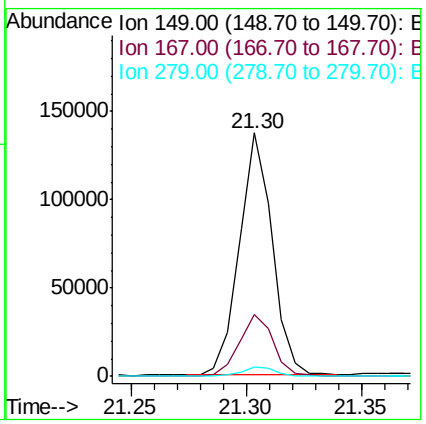




#84
Bis(2-ethylhexyl)phthalate
Concen: 2.501 ng/ul
RT: 21.30 min Scan# 3114
Delta R.T. 0.00 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:149 Resp: 136397

Ion	Ratio	Lower	Upper
149	100		
167	25.6	21.7	32.5
279	3.9	3.5	5.3



Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-05

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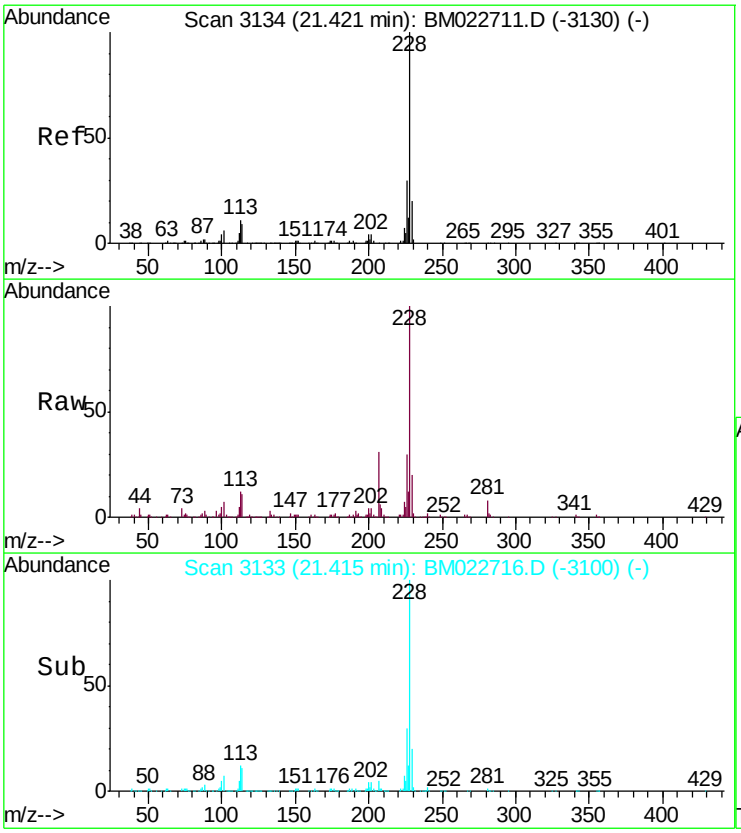
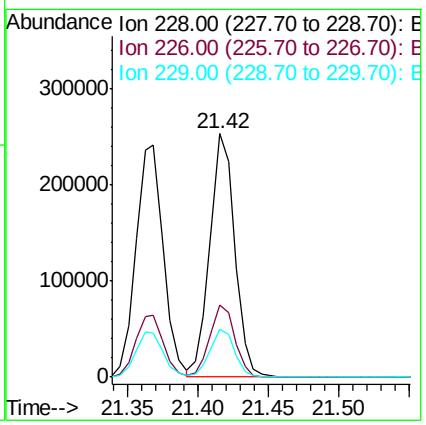
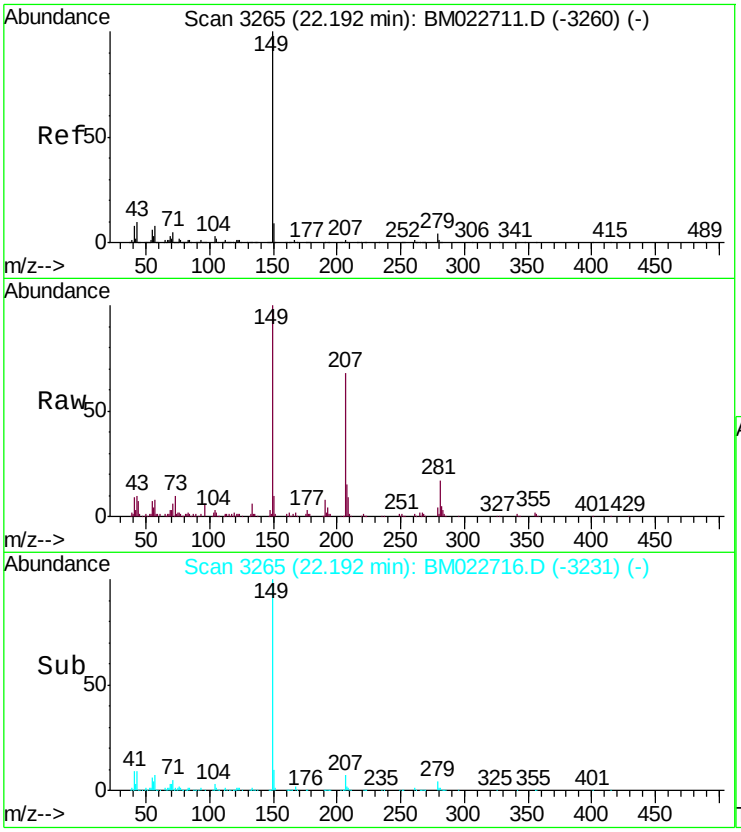


#85
Chrysene
Concen: 3.879 ng/ul
RT: 21.42 min Scan# 3133
Delta R.T. -0.01 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:228 Resp: 311854

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.2	36.4
229	19.5	15.8	23.6





#87
Di-n-octyl phthalate
Concen: 2.509 ng/ul
RT: 22.19 min Scan# 3265
Delta R.T. 0.00 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:149 Resp: 208076

Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-05

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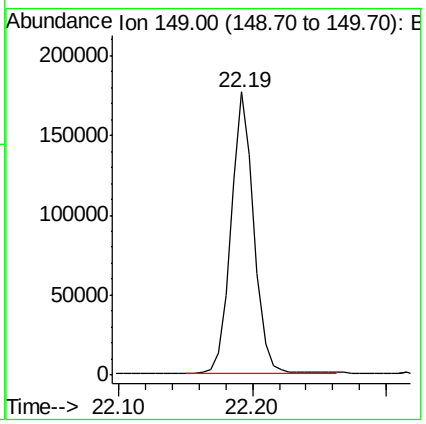
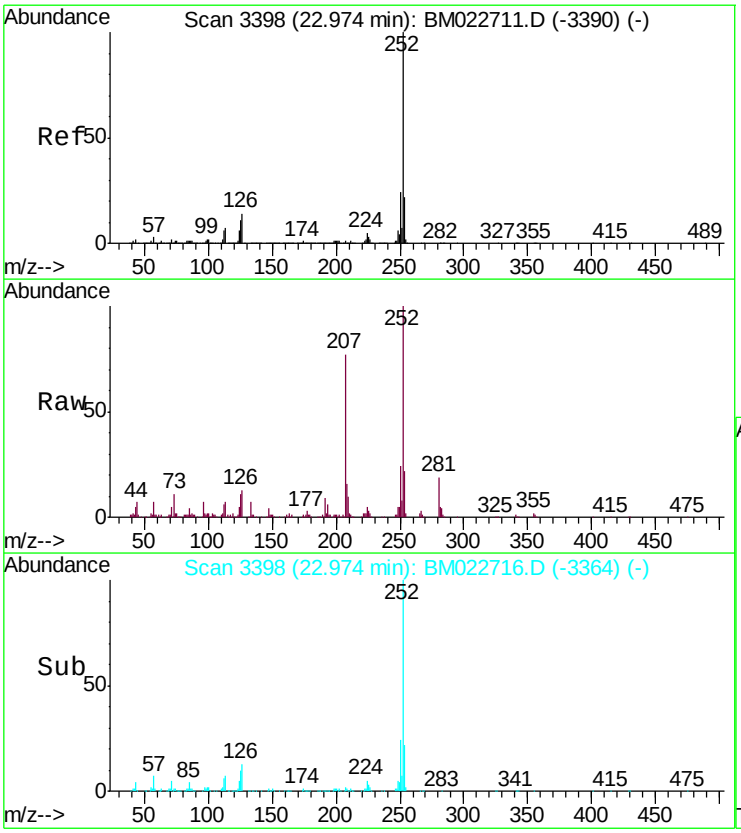
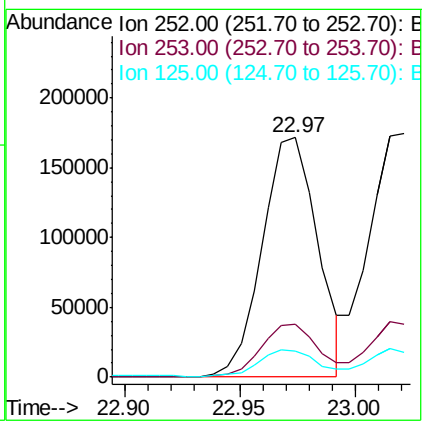


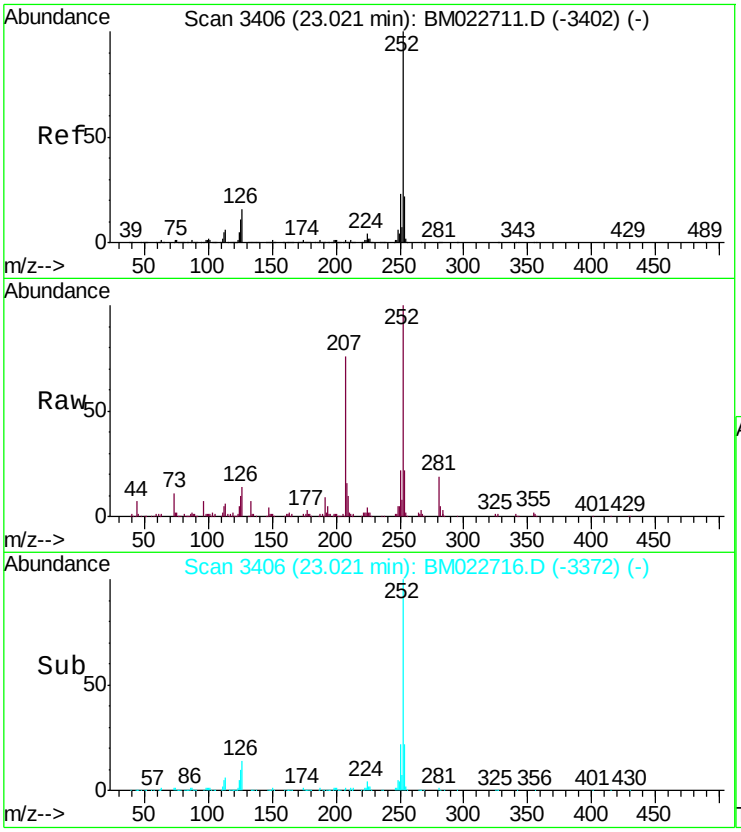


#88
Benzo(b)fluoranthene
Concen: 3.753 ng/ul
RT: 22.97 min Scan# 3398
Delta R.T. 0.00 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:252 Resp: 286074

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	10.6	8.0	12.0

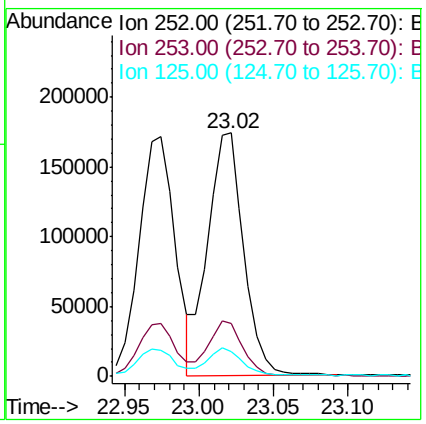




#89
Benzo(k)fluoranthene
Concen: 3.953 ng/ul
RT: 23.02 min Scan# 3406
Delta R.T. 0.00 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:252 Resp: 292790

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.2
125	10.2	8.2	12.2



Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-05

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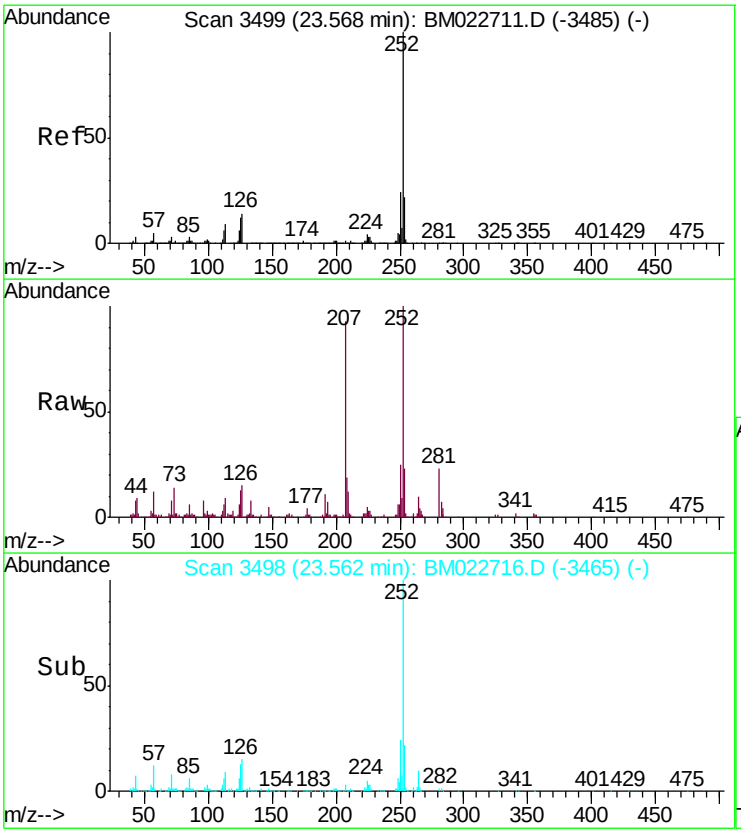
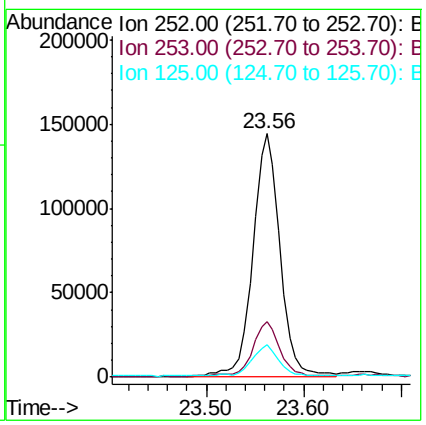
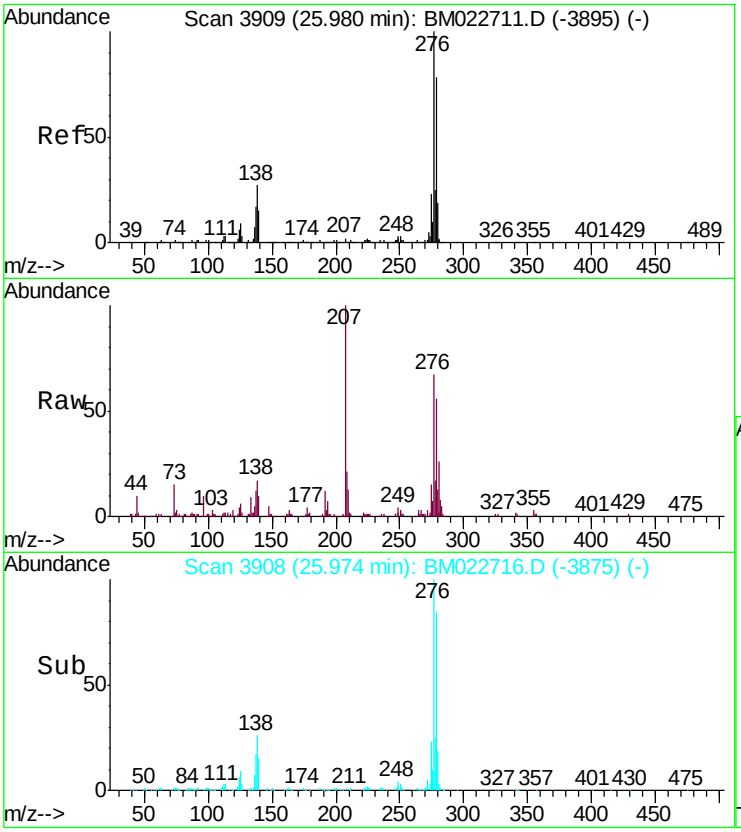


#91
Benzo(a)pyrene
Concen: 3.847 ng/ul
RT: 23.56 min Scan# 3498
Delta R.T. -0.01 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:252 Resp: 279789

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.5	26.3
125	13.1	8.9	13.3

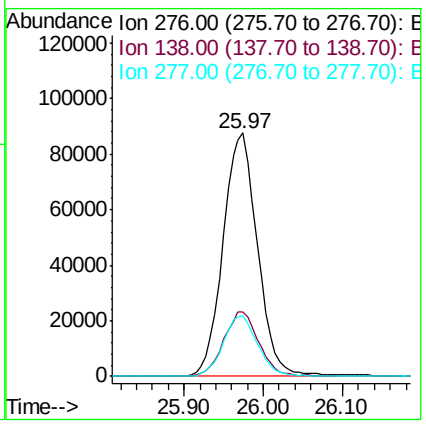




#92
Indeno(1,2,3-cd)pyrene
Concen: 3.134 ng/ul
RT: 25.97 min Scan# 3908
Delta R.T. -0.01 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:276 Resp: 263298

Ion	Ratio	Lower	Upper
276	100		
138	26.2	19.2	28.8
277	25.0	19.8	29.8



Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-05

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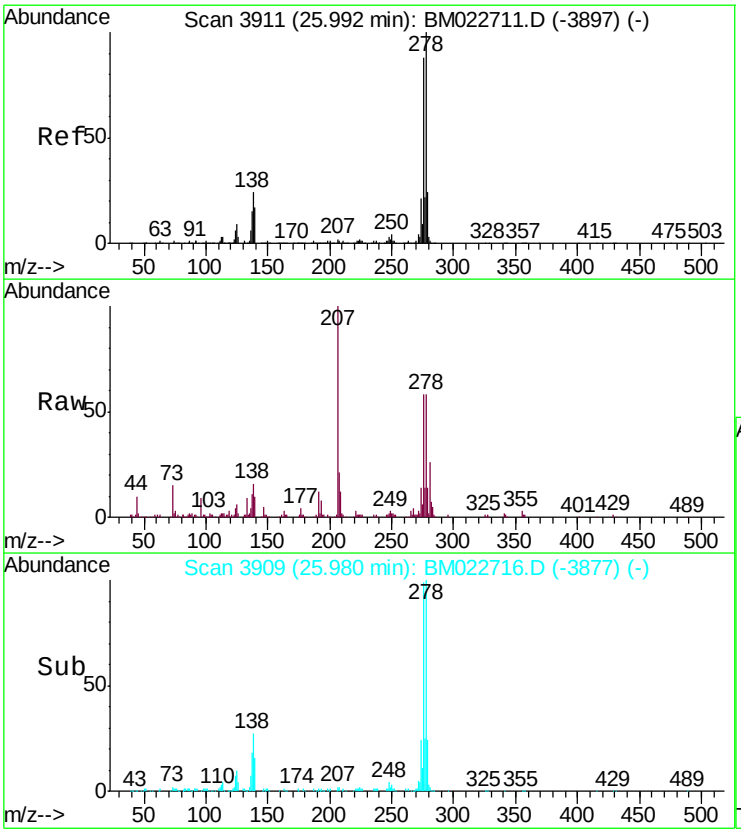
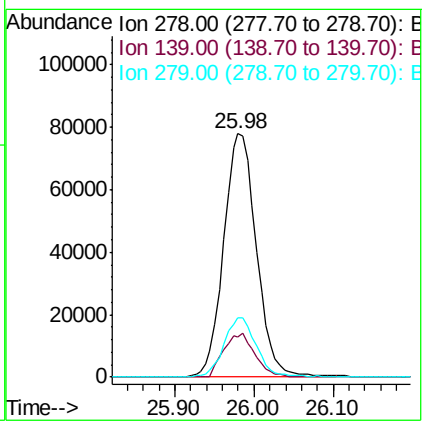
9/19/2019 4:43:54 PM

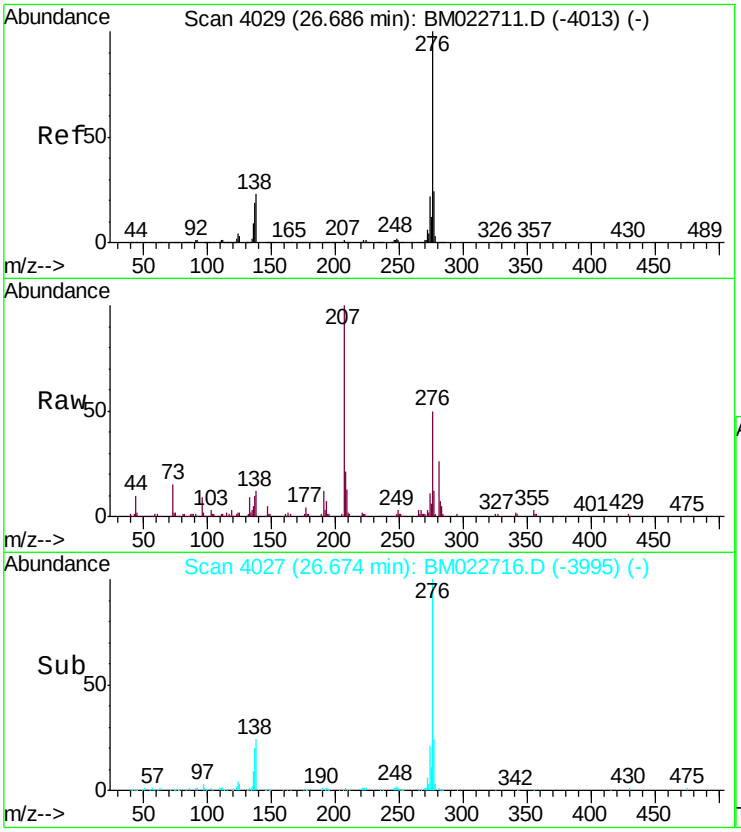


#93
Dibenzo(a,h)anthracene
Concen: 3.190 ng/ul
RT: 25.98 min Scan# 3909
Delta R.T. -0.01 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:278 Resp: 223029

Ion	Ratio	Lower	Upper
278	100		
139	16.4	13.3	19.9
279	24.1	19.2	28.8

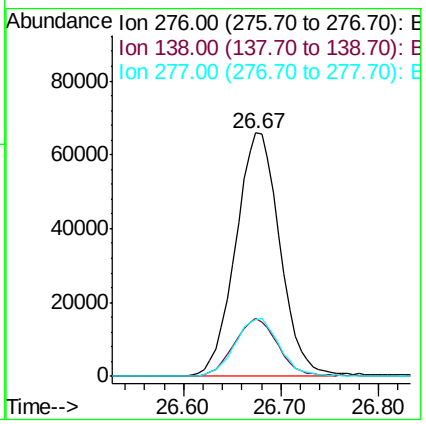




#94
Benzo(g,h,i)perylene
Concen: 3.016 ng/ul
RT: 26.67 min Scan# 4027
Delta R.T. -0.01 min
Lab File: BM022716.D
Acq: 18 Sep 2019 14:57

Tgt Ion:276 Resp: 208189

Ion	Ratio	Lower	Upper
276	100		
138	23.6	17.0	25.6
277	23.5	18.8	28.2



Instrument :
BNA_M
ClientSampleId :
MDL-S-ME-05

Manual Integrations APPROVED
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Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091819\
Data File : BM022716.D
Acq On : 18 Sep 2019 14:57
Operator : HP/JU
Sample : MDL-S-ME-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 18 15:51:45 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-05

Manual Integrations APPROVED
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9/19/2019 4:43:54 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	194709	20.00	ng/ul	0.00
18) Naphthalene-d8	10.63	136	875514	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.47	164	566606	20.00	ng/ul	0.00
62) Phenanthrene-d10	17.20	188	1177727	20.00	ng/ul	0.00
78) Chrysene-d12	21.38	240	1177697	20.00	ng/ul	0.00
86) Perylene-d12	23.66	264	1158648	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.30	96	7748	1.66	ng/uL	0.00
5) Phenol-d5	6.99	99	488167	27.18	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.16	67	299657	29.11	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	397967	28.05	ng/ul	0.00
13) 4-Methylphenol-d8	8.53	113	401940	27.53	ng/ul	0.00
19) Nitrobenzene-d5	8.99	128	203618	32.23	ng/ul	0.00
22) 2-Nitrophenol-d4	9.71	143	193824	33.28	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.25	165	395098	26.71	ng/ul	0.00
29) 4-Chloroaniline-d4	10.76	131	590330	30.22	ng/ul	0.00
44) Dimethylphthalate-d6	13.87	166	1312576	28.59	ng/ul	0.00
47) Acenaphthylene-d8	14.16	160	1651074	30.03	ng/ul	0.00
52) 4-Nitrophenol-d4	14.65	143	226490	28.88	ng/ul	0.00
58) Fluorene-d10	15.46	176	1153049	29.99	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.57	200	151482	28.30	ng/ul	0.00
71) Anthracene-d10	17.30	188	1802314	29.87	ng/ul	0.00
79) Pyrene-d10	19.59	212	1997467	30.57	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.52	264	1814815	29.14	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.33	88	8009	1.703	ng/uL	90
4) Benzaldehyde	6.98	77	29683	3.165	ng/ul	98
6) Phenol	7.02	94	68902	3.671	ng/ul	99
8) Bis(2-Chloroethyl)ether	7.26	93	54790	3.844	ng/ul	98
10) 2-Chlorophenol	7.40	128	55183	3.701	ng/ul	98
11) 2-Methylphenol	8.28	108	46774	3.193	ng/ul	98
12) 2,2'-oxybis(1-Chloropropan	8.36	45	80968	3.862	ng/ul	99
14) Acetophenone	8.66	105	90481	3.971	ng/ul	99
15) N-Nitroso-di-n-propylamine	8.64	70	44187	3.590	ng/ul	96
16) 4-Methylphenol	8.60	108	56174	3.552	ng/ul	98
17) Hexachloroethane	8.92	117	22681	3.839	ng/ul	94
20) Nitrobenzene	9.03	77	65113	4.120	ng/ul	100
21) Isophorone	9.56	82	115733	3.268	ng/ul	99
23) 2-Nitrophenol	9.74	139	28987	4.193	ng/ul	97
24) 2,4-Dimethylphenol	9.80	107	59247	3.418	ng/ul	96
25) Bis(2-Chloroethoxy)methane	10.04	93	77163	3.716	ng/ul	99
27) 2,4-Dichlorophenol	10.27	162	54210	3.713	ng/ul	91
28) Naphthalene	10.68	128	191846	3.952	ng/ul	99
30) 4-Chloroaniline	10.78	127	78517	3.913	ng/ul	94
31) Hexachlorobutadiene	10.97	225	34645	3.852	ng/ul	95
32) Caprolactam	11.59	113	12383m	2.278	ng/ul	
33) 4-Chloro-3-methylphenol	11.90	107	49983	3.102	ng/ul	98
34) 2-Methylnaphthalene	12.29	142	137970	3.773	ng/ul	100

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091819\
Data File : BM022716.D
Acq On : 18 Sep 2019 14:57
Operator : HP/JU
Sample : MDL-S-ME-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 18 15:51:45 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-05

Manual Integrations APPROVED
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9/19/2019 4:43:54 PM

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) 1-Methylnaphthalene	12.51	142	132610	3.795	ng/ul	100
37) 1,2,4,5-Tetrachlorobenzene	12.66	216	70650	3.864	ng/ul	98
38) Hexachlorocyclopentadiene	12.65	237	32958	2.924	ng/ul	96
39) 2,4,6-Trichlorophenol	12.90	196	36146	3.158	ng/ul	99
40) 2,4,5-Trichlorophenol	12.96	196	41748	3.364	ng/ul	97
41) 1,1'-Biphenyl	13.30	154	184791	3.917	ng/ul	99
42) 2-Chloronaphthalene	13.34	162	140276	3.927	ng/ul	99
43) 2-Nitroaniline	13.54	65	28839	3.458	ng/ul	97
45) Dimethylphthalate	13.92	163	178595	3.832	ng/ul	99
46) 2,6-Dinitrotoluene	14.03	165	25719	3.390	ng/ul	99
48) Acenaphthylene	14.19	152	220621	3.869	ng/ul	99
49) 3-Nitroaniline	14.36	138	22960	2.791	ng/ul	98
50) Acenaphthene	14.53	153	151859	3.843	ng/ul	99
51) 2,4-Dinitrophenol	14.56	184	9346	2.685	ng/ul#	74
53) 4-Nitrophenol	14.66	109	23526	3.733	ng/ul	90
54) Dibenzofuran	14.86	168	222657	4.060	ng/ul	99
55) 2,4-Dinitrotoluene	14.82	165	39933	3.593	ng/ul	95
56) 2,3,4,6-Tetrachlorophenol	15.09	232	32751	3.177	ng/ul	97
57) Diethylphthalate	15.29	149	165823	3.439	ng/ul	99
59) Fluorene	15.52	166	180163	3.993	ng/ul	99
60) 4-Chlorophenyl-phenylether	15.51	204	90133	4.037	ng/ul	97
61) 4-Nitroaniline	15.52	138	24431	2.606	ng/ul	92
64) 4,6-Dinitro-2-methylphenol	15.58	198	22727	3.669	ng/ul#	79
65) N-Nitrosodiphenylamine	15.72	169	147965	3.682	ng/ul	98
66) 4-Bromophenyl-phenylether	16.40	248	50178	3.410	ng/ul	96
67) Hexachlorobenzene	16.52	284	60067	3.704	ng/ul	97
68) Atrazine	16.67	200	43222	2.798	ng/ul	99
69) Pentachlorophenol	16.86	266	22429	2.507	ng/ul	99
70) Phenanthrene	17.25	178	283053	3.925	ng/ul	99
72) Anthracene	17.34	178	291454	3.935	ng/ul	99
73) 1,2,3,4-Tetrachlorobenzene	13.27	216	69287	3.779	ng/uL	99
74) Pentachlorobenzene	14.79	250	70997	3.841	ng/uL	99
75) Carbazole	17.60	167	240099	3.606	ng/ul	100
76) Di-n-butylphthalate	18.17	149	231101	2.741	ng/ul	100
77) Fluoranthene	19.26	202	303863	3.713	ng/ul	97
80) Pyrene	19.62	202	346493	4.065	ng/ul	99
81) Butylbenzylphthalate	20.52	149	90377	2.515	ng/ul	96
82) 3,3'-Dichlorobenzidine	21.30	252	68580	2.290	ng/ul	99
83) Benzo(a)anthracene	21.37	228	325188	3.722	ng/ul	98
84) Bis(2-ethylhexyl)phthalate	21.30	149	136397	2.501	ng/ul	97
85) Chrysene	21.42	228	311854	3.879	ng/ul	99
87) Di-n-octyl phthalate	22.19	149	208076	2.509	ng/ul	100
88) Benzo(b)fluoranthene	22.97	252	286074	3.753	ng/ul	99
89) Benzo(k)fluoranthene	23.02	252	292790	3.953	ng/ul	100
91) Benzo(a)pyrene	23.56	252	279789	3.847	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.97	276	263298	3.134	ng/ul	98
93) Dibenzo(a,h)anthracene	25.98	278	223029	3.190	ng/ul	100
94) Benzo(g,h,i)perylene	26.67	276	208189	3.016	ng/ul	98

Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM091819\
Data File : BM022716.D
Acq On : 18 Sep 2019 14:57
Operator : HP/JU
Sample : MDL-S-ME-05
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 18 15:51:45 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-05

Manual Integrations APPROVED
mohammad
9/19/2019 4:43:54 PM

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

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