Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM100819\
Data File : BM023112.D
Acq On : 10 Oct 2019 12:04
Operator : JU
Sample : K5058-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBAC5

Quant Time: Oct 10 12:53:11 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 08 15:02:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.77	152	165745	20.00	ng/ul	0.00
18) Naphthalene-d8	10.56	136	687724	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.40	164	395060	20.00	ng/ul	-0.01
62) Phenanthrene-d10	17.15	188	749122	20.00	ng/ul	0.00
78) Chrysene-d12	21.33	240	758190	20.00	ng/ul	0.00
86) Perylene-d12	23.58	264	867422	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.25	96	23369	6.10	ng/uL	0.00
5) Phenol-d5	6.94	99	432950	29.57	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.10	67	242241	30.22	ng/ul	0.00
9) 2-Chlorophenol-d4	7.30	132	362210	30.71	ng/ul	0.00
13) 4-Methylphenol-d8	8.48	113	344284	28.71	ng/ul	0.00
19) Nitrobenzene-d5	8.92	128	172127	32.43	ng/ul	0.00
22) 2-Nitrophenol-d4	9.64	143	188775	32.57	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	10.18	165	360110	31.21	ng/ul	0.00
29) 4-Chloroaniline-d4	10.69	131	254835	18.18	ng/ul	0.00
44) Dimethylphthalate-d6	13.82	166	940855	30.69	ng/ul	0.00
47) Acenaphthylene-d8	14.10	160	1141371	32.24	ng/ul	0.00
52) 4-Nitrophenol-d4	14.60	143	162687	26.85	ng/ul	0.00
58) Fluorene-d10	15.40	176	790276	30.24	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.52	200	112782	23.13	ng/ul	0.00
71) Anthracene-d10	17.25	188	1158901	31.68	ng/ul	0.00
79) Pyrene-d10	19.54	212	1262313	30.93	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.44	264	1463920	32.62	ng/ul	0.00
Target Compounds						Qvalue
4) Benzaldehyde	6.92	77	20743	3.125	ng/ul	98
10) 2-Chlorophenol	7.33	128	415013	32.807	ng/ul	100
12) 2,2'-oxybis(1-Chloropropan	8.30	45	756665	49.288	ng/ul	99
14) Acetophenone	8.59	105	581948	31.749	ng/ul	97
17) Hexachloroethane	8.85	117	79510	16.539	ng/ul	97
20) Nitrobenzene	8.96	77	656149	52.958	ng/ul	100
23) 2-Nitrophenol	9.67	139	284264	42.884	ng/ul	97
27) 2,4-Dichlorophenol	10.20	162	240794	20.616	ng/ul	99
28) Naphthalene	10.60	128	521936	14.053	ng/ul	99
33) 4-Chloro-3-methylphenol	11.84	107	463383	38.536	ng/ul	99
37) 1,2,4,5-Tetrachlorobenzene	12.59	216	239906	18.509	ng/ul	99
39) 2,4,6-Trichlorophenol	12.83	196	242005	28.151	ng/ul	99
41) 1,1'-Biphenyl	13.24	154	1146004	35.428	ng/ul	99
43) 2-Nitroaniline	13.49	65	357128	55.685	ng/ul	98
46) 2,6-Dinitrotoluene	13.98	165	221882	35.331	ng/ul	99
48) Acenaphthylene	14.13	152	1766464	46.224	ng/ul	100
50) Acenaphthene	14.47	153	102021	3.832	ng/ul	99
53) 4-Nitrophenol	14.62	109	207010	46.755	ng/ul	98
54) Dibenzofuran	14.80	168	660014	17.359	ng/ul	99
55) 2,4-Dinitrotoluene	14.77	165	368245	39.743	ng/ul	99
57) Diethylphthalate	15.23	149	1205803	38.132	ng/ul	100
59) Fluorene	15.45	166	214797	6.991	ng/ul	100
65) N-Nitrosodiphenylamine	15.66	169	1114026	45.244	ng/ul	100

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Acq On : 10 Oct 2019 12:04
Operator : JU
Sample : K5058-15
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_M
ClientSampleId : DBAC5

Quant Time: Oct 10 12:53:11 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\SOM-EPA-BM092719MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 08 15:02:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) Hexachlorobenzene	16.46	284	372340	36.953	ng/ul	99
69) Pentachlorophenol	16.80	266	225055	34.429	ng/ul	98
70) Phenanthrene	17.19	178	1260908	28.202	ng/ul	100
76) Di-n-butylphthalate	18.12	149	1640919	34.374	ng/ul	100
80) Pyrene	19.57	202	741850	13.803	ng/ul	98
82) 3,3'-Dichlorobenzidine	21.25	252	66337	3.841	ng/ul	98
83) Benzo(a)anthracene	21.32	228	1845440	33.902	ng/ul	100
87) Di-n-octyl phthalate	22.13	149	1268664	21.505	ng/ul	100
88) Benzo(b)fluoranthene	22.90	252	1561175	27.121	ng/ul	100
91) Benzo(a)pyrene	23.49	252	901186	16.687	ng/ul	100
93) Dibenzo(a,h)anthracene	25.87	278	2221722	46.299	ng/ul	99
94) Benzo(g,h,i)perylene	26.55	276	1163774	25.147	ng/ul	99

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

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Instrument :
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Quant Time: Oct 10 12:53:11 2019
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Quant Title : SVOA CALIBRATION
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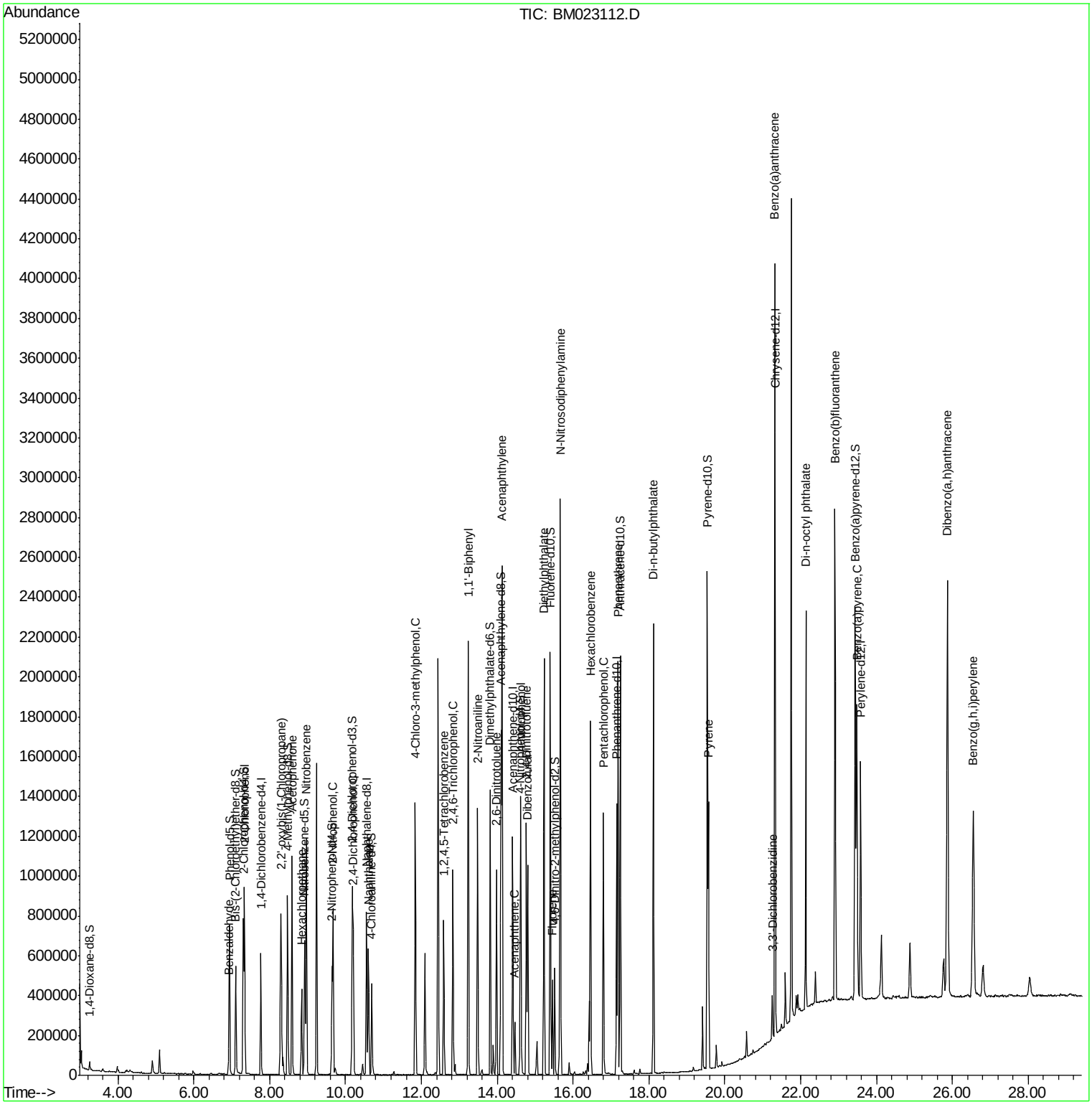
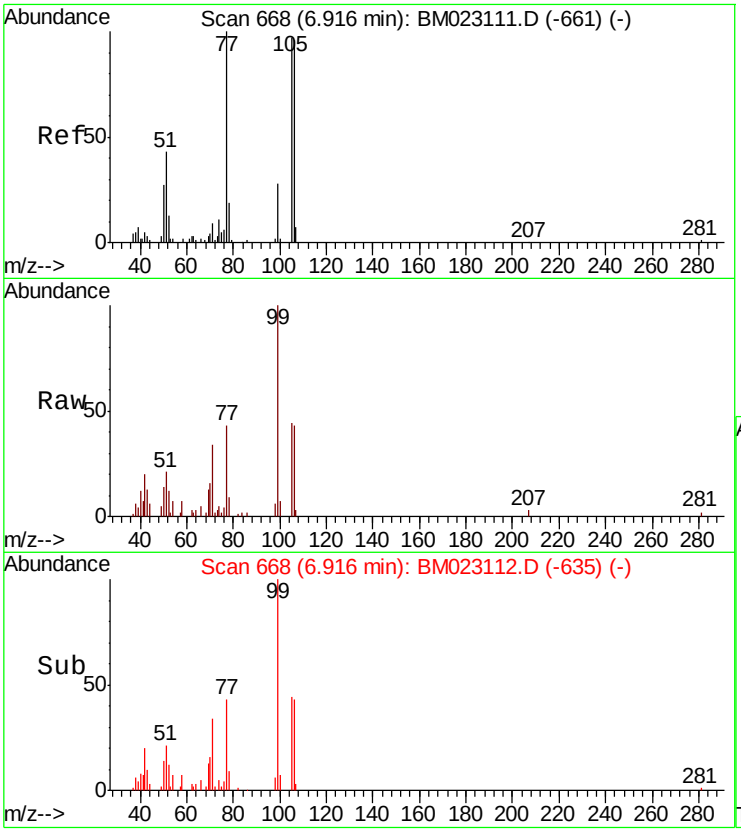


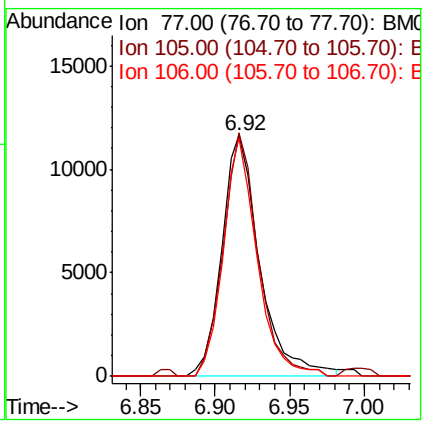


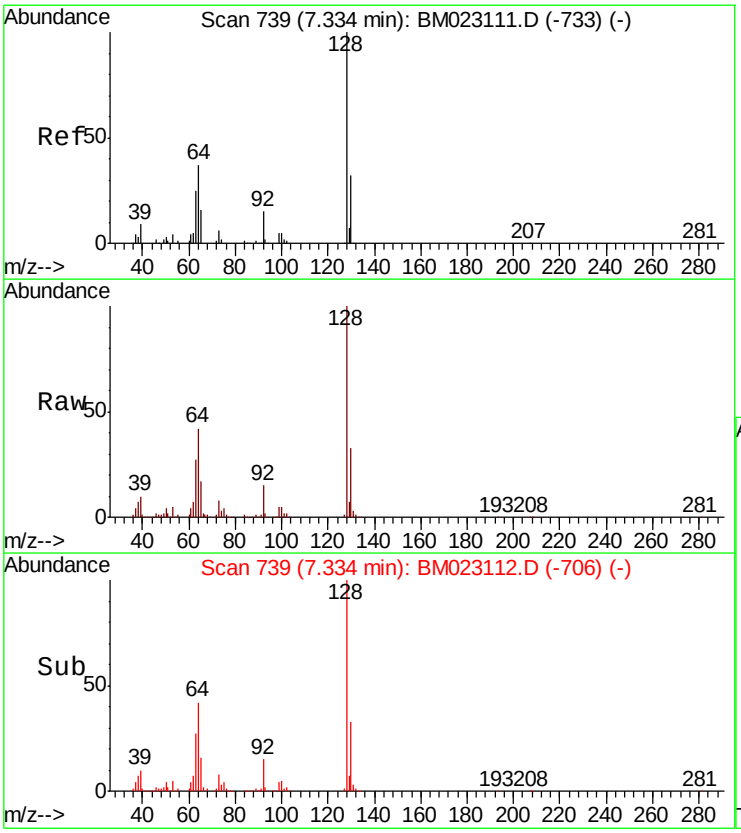
#4
Benzaldehyde
Concen: 3.125 ng/ul
RT: 6.92 min Scan# 668
Delta R.T. -0.01 min
Lab File: BM023112.D
Acq: 10 Oct 2019 12:04

Instrument :
BNA_M
ClientSampleId :
DBAC5

Tgt Ion: 77 Resp: 20743

Ion	Ratio	Lower	Upper
77	100		
105	101.1	80.6	120.8
106	99.1	77.0	115.6

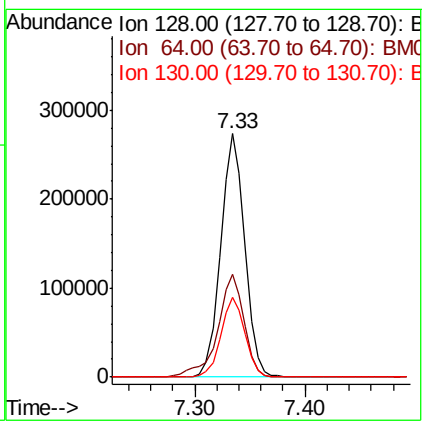


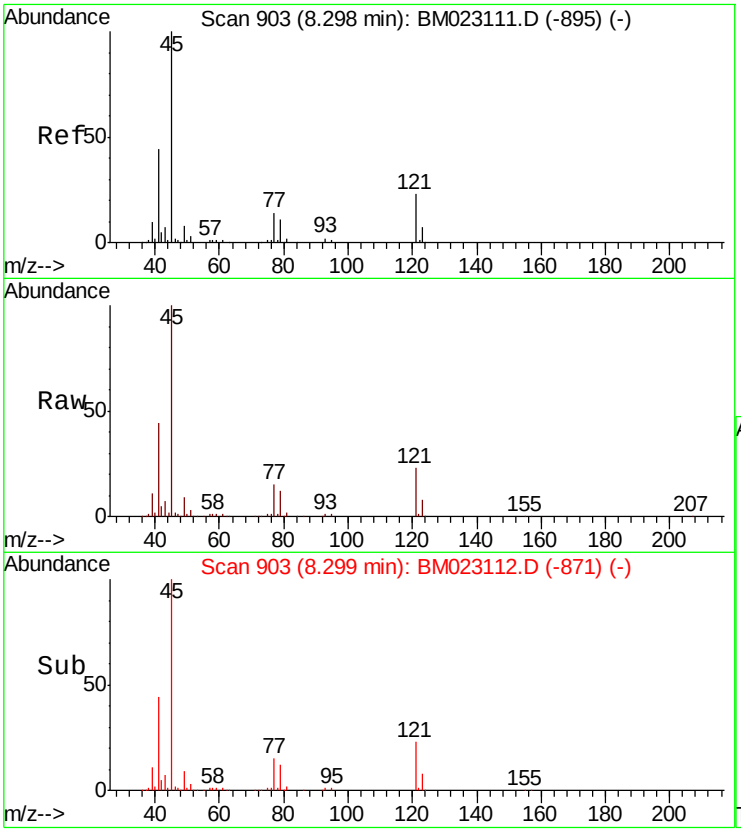


#10
2-Chlorophenol
Concen: 32.807 ng/ul
RT: 7.33 min Scan# 739
Delta R.T. -0.01 min
Lab File: BM023112.D
Acq: 10 Oct 2019 12:04

Tgt Ion:128 Resp: 415013

Ion	Ratio	Lower	Upper
128	100		
64	42.3	34.1	51.1
130	32.6	26.0	39.0



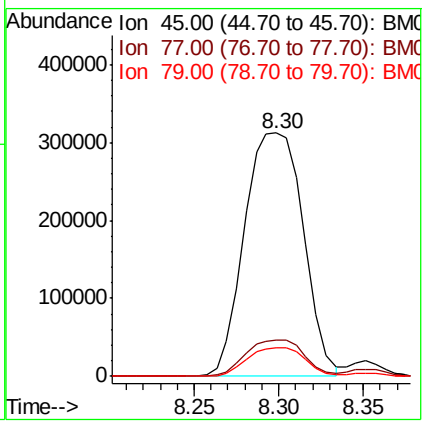


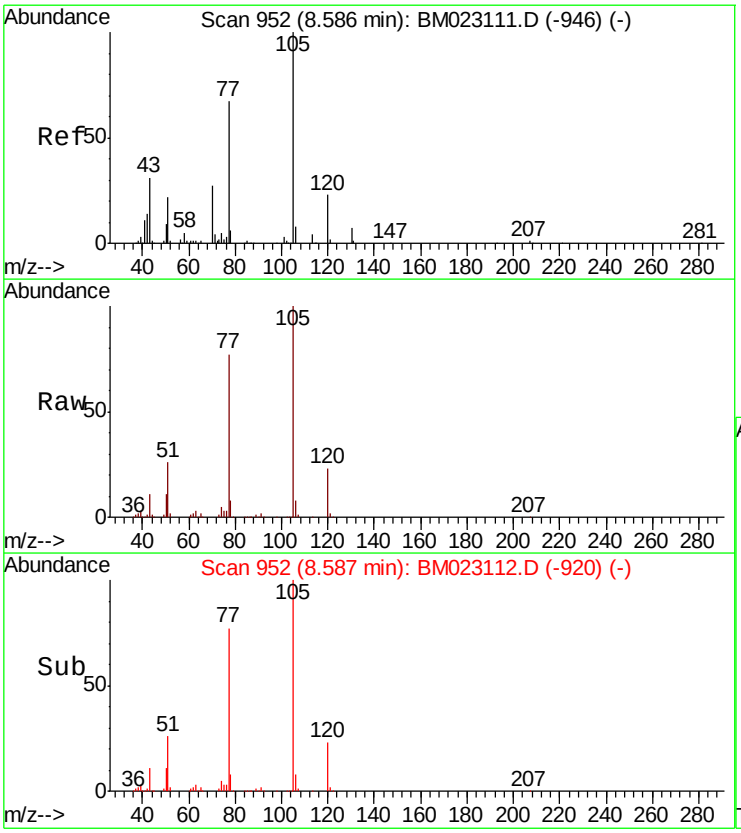
#12
2,2'-oxybis(1-Chloropropane)
Concen: 49.288 ng/ul
RT: 8.30 min Scan# 903
Delta R.T. -0.01 min
Lab File: BM023112.D
Acq: 10 Oct 2019 12:04

Instrument :
BNA_M
ClientSampleId :
DBAC5

Tgt Ion: 45 Resp: 756665

Ion	Ratio	Lower	Upper
45	100		
77	14.7	12.2	18.2
79	11.6	9.6	14.4

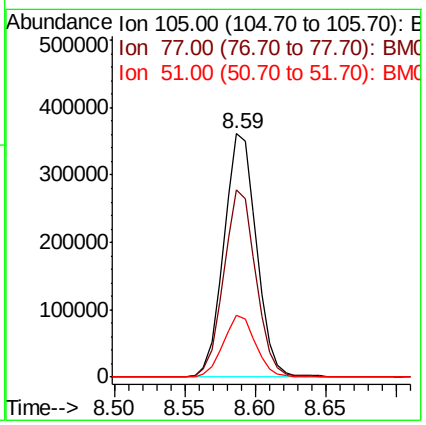


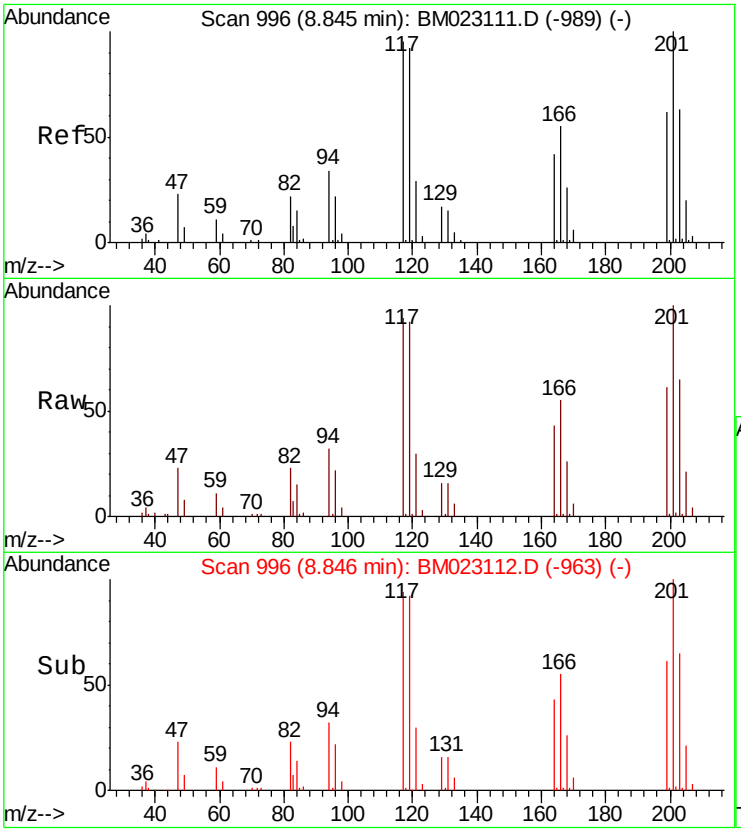


#14
Acetophenone
Concen: 31.749 ng/ul
RT: 8.59 min Scan# 952
Delta R.T. -0.01 min
Lab File: BM023112.D
Acq: 10 Oct 2019 12:04

Tgt Ion:105 Resp: 581948

Ion	Ratio	Lower	Upper
105	100		
77	76.8	59.4	89.0
51	25.5	19.4	29.0



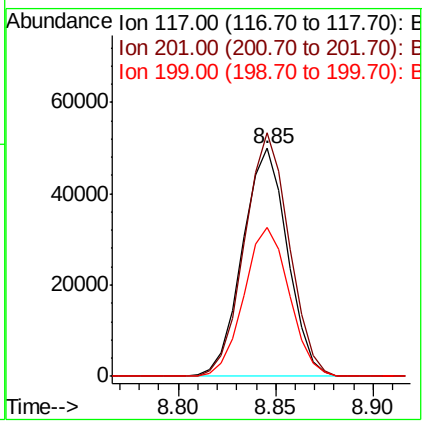


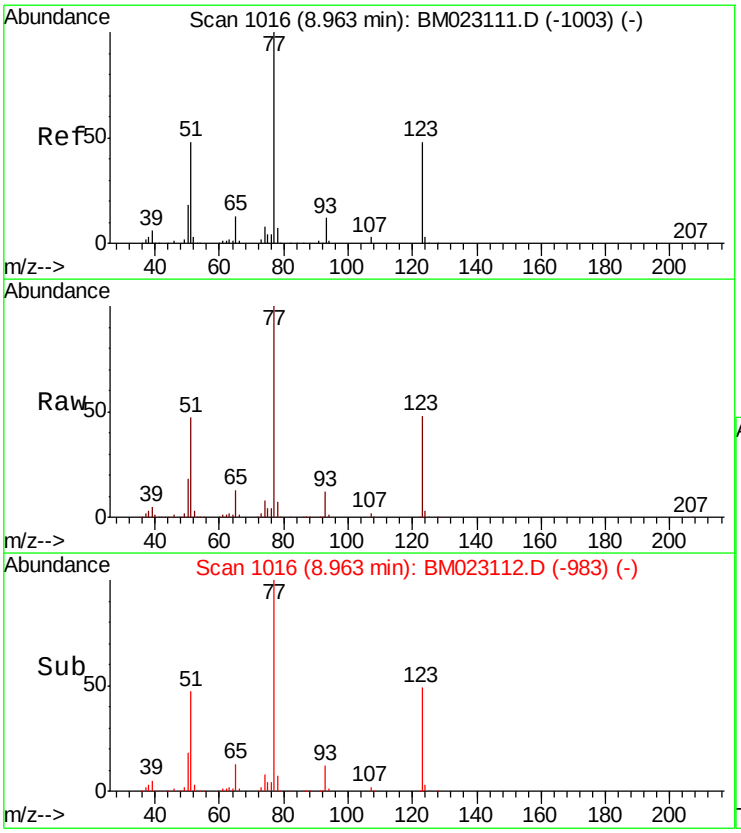
#17
Hexachloroethane
Concen: 16.539 ng/ul
RT: 8.85 min Scan# 996
Delta R.T. -0.01 min
Lab File: BM023112.D
Acq: 10 Oct 2019 12:04

Instrument :
BNA_M
ClientSampleId :
DBAC5

Tgt Ion:117 Resp: 79510

Ion	Ratio	Lower	Upper
117	100		
201	106.8	82.5	123.7
199	65.1	51.6	77.4

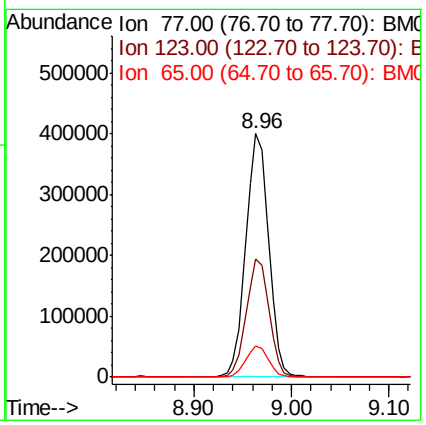


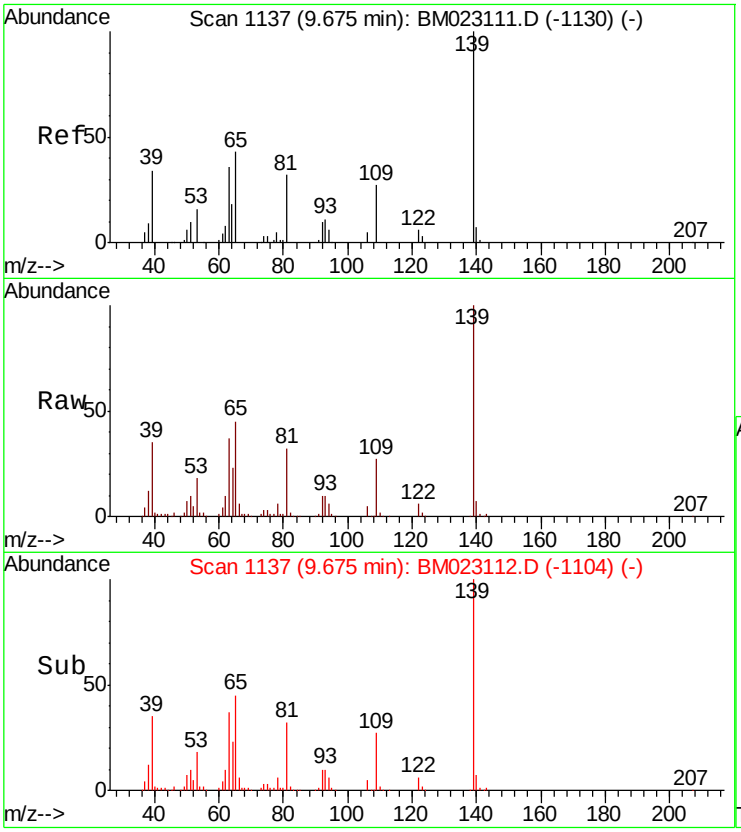


#20
Nitrobenzene
Concen: 52.958 ng/ul
RT: 8.96 min Scan# 1016
Delta R.T. -0.01 min
Lab File: BM023112.D
Acq: 10 Oct 2019 12:04

Tgt Ion: 77 Resp: 656149

Ion	Ratio	Lower	Upper
77	100		
123	48.5	38.9	58.3
65	13.0	10.2	15.2



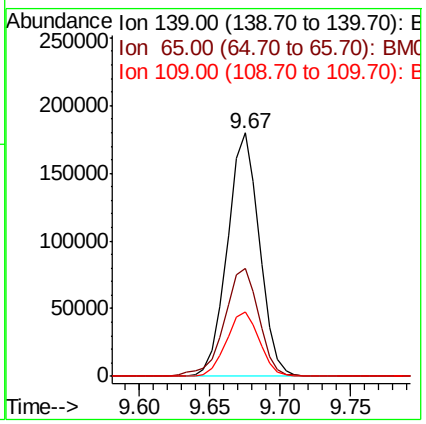


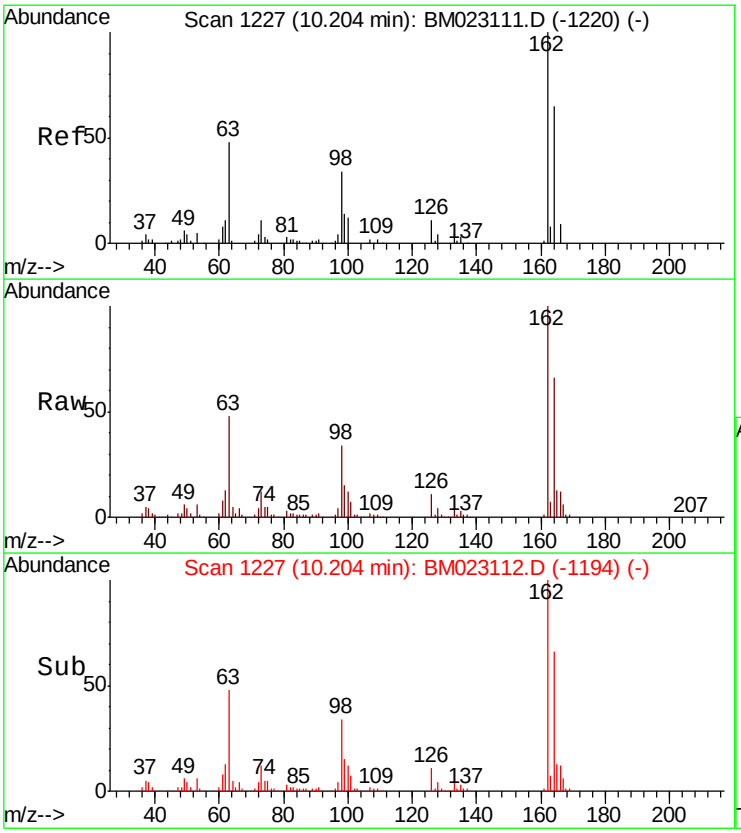
#23
2-Nitrophenol
Concen: 42.884 ng/ul
RT: 9.67 min Scan# 1137
Delta R.T. -0.01 min
Lab File: BM023112.D
Acq: 10 Oct 2019 12:04

Instrument :
BNA_M
ClientSampleId :
DBAC5

Tgt Ion:139 Resp: 284264

Ion	Ratio	Lower	Upper
139	100		
65	44.6	37.2	55.8
109	26.6	22.0	33.0

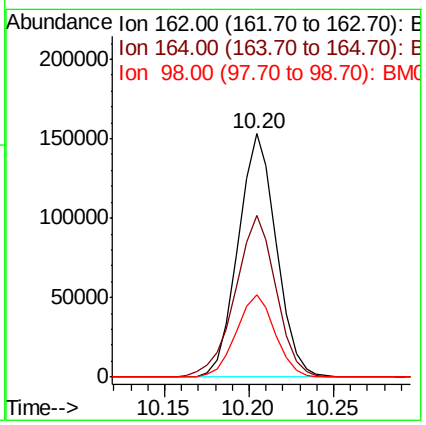


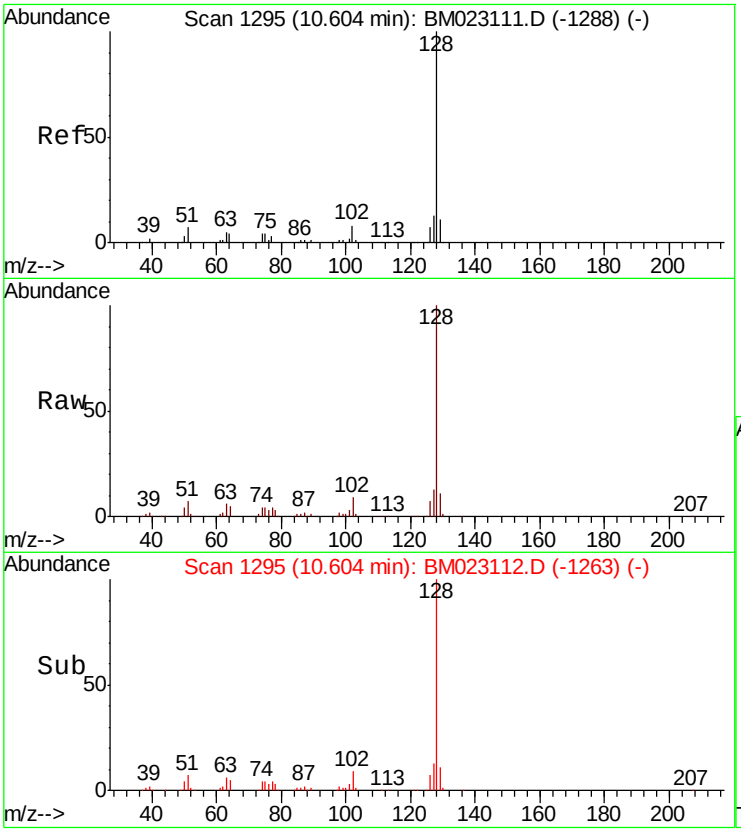


#27
2,4-Dichlorophenol
Concen: 20.616 ng/ul
RT: 10.20 min Scan# 1227
Delta R.T. -0.01 min
Lab File: BM023112.D
Acq: 10 Oct 2019 12:04

Tgt Ion:162 Resp: 240794

Ion	Ratio	Lower	Upper
162	100		
164	66.3	52.3	78.5
98	33.8	27.4	41.2



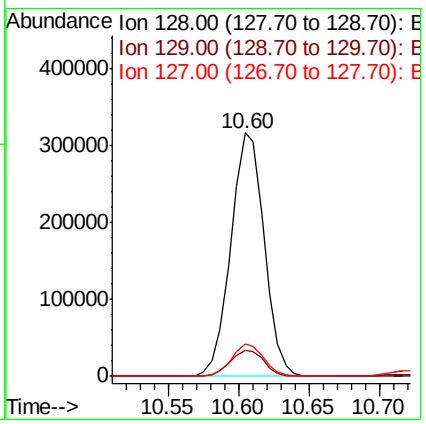


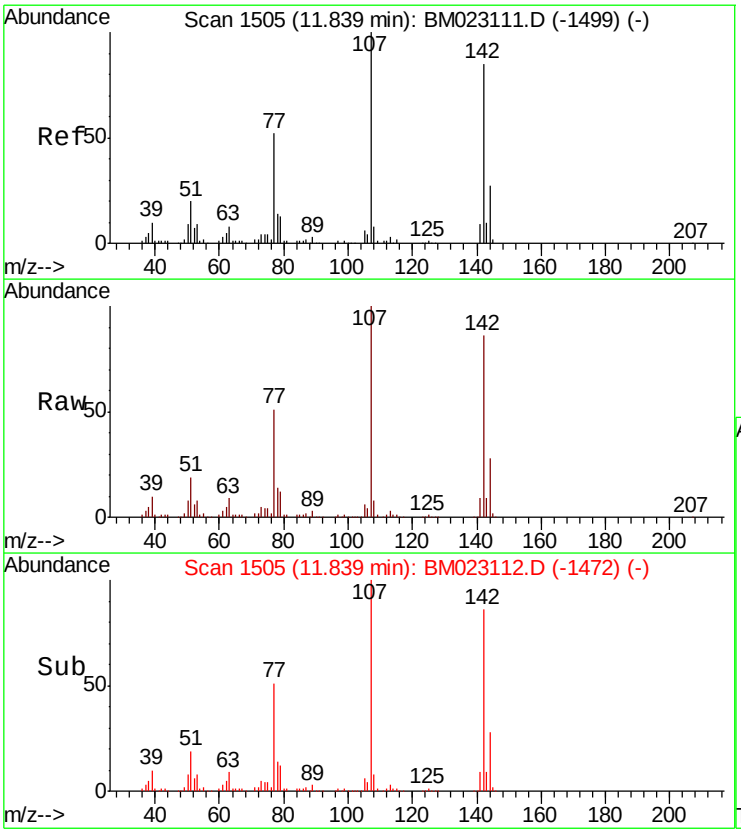
#28
Naphthalene
Concen: 14.053 ng/ul
RT: 10.60 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BM023112.D
Acq: 10 Oct 2019 12:04

Instrument :
BNA_M
ClientSampleId :
DBAC5

Tgt Ion:128 Resp: 521936

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.6	13.0
127	13.3	10.2	15.4

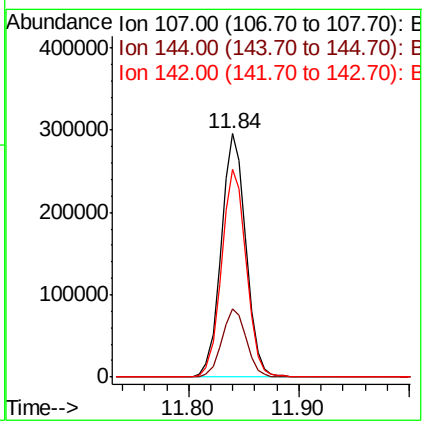


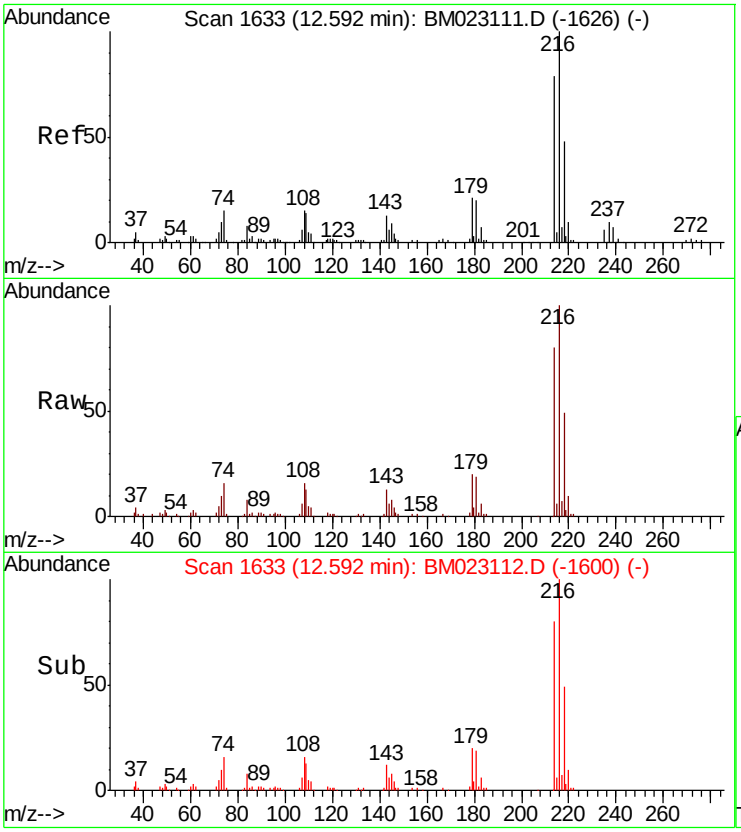


#33
4-Chloro-3-methylphenol
Concen: 38.536 ng/ul
RT: 11.84 min Scan# 1505
Delta R.T. -0.01 min
Lab File: BM023112.D
Acq: 10 Oct 2019 12:04

Tgt Ion:107 Resp: 463383

Ion	Ratio	Lower	Upper
107	100		
144	27.8	22.5	33.7
142	85.5	68.9	103.3



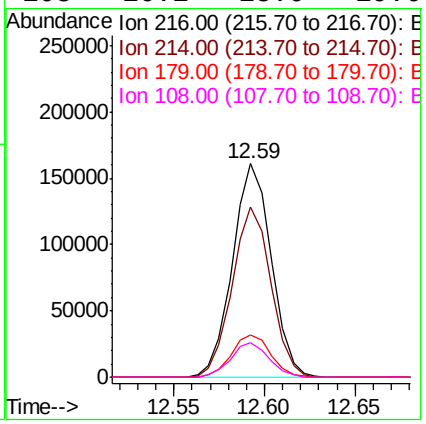


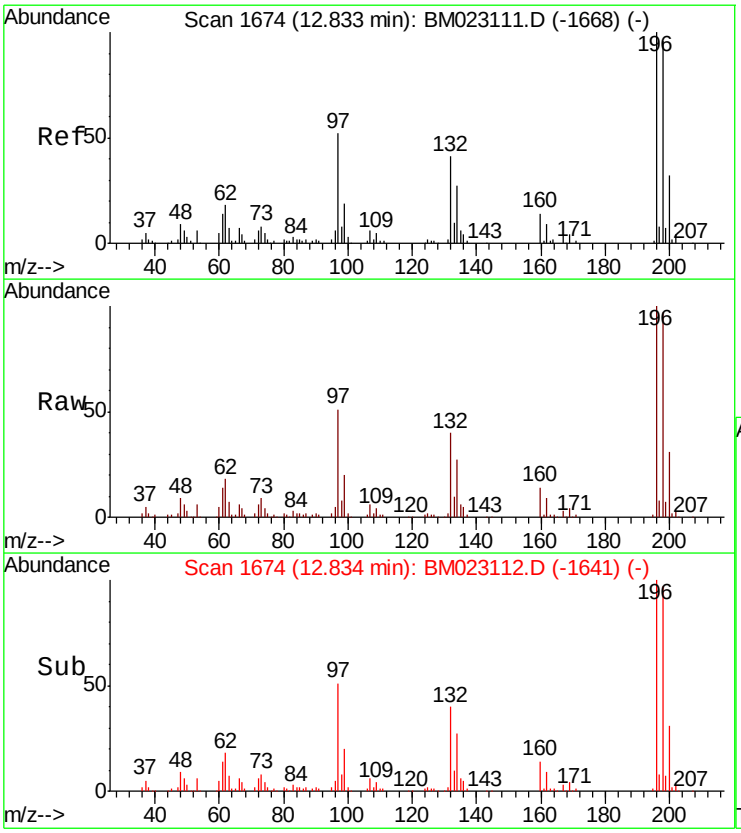
#37
1,2,4,5-Tetrachlorobenzene
Concen: 18.509 ng/ul
RT: 12.59 min Scan# 1633
Delta R.T. -0.01 min
Lab File: BM023112.D
Acq: 10 Oct 2019 12:04

Instrument :
BNA_M
ClientSampleId :
DBAC5

Tgt Ion:216 Resp: 239906

Ion	Ratio	Lower	Upper
216	100		
214	79.7	63.4	95.0
179	20.0	16.5	24.7
108	16.1	13.0	19.6

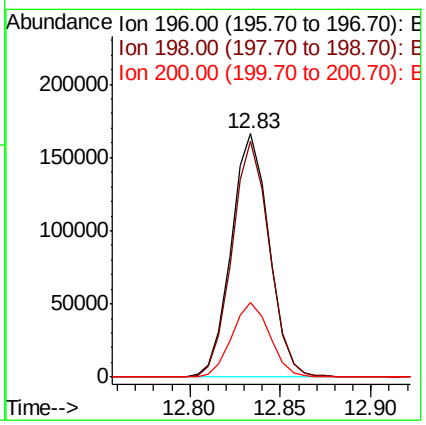


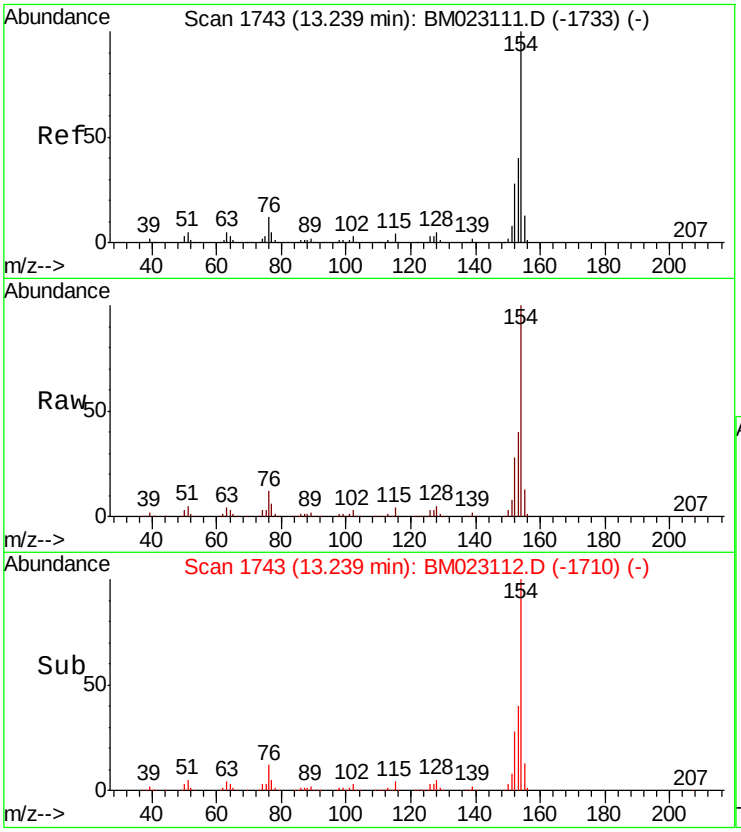


#39
2,4,6-Trichlorophenol
Concen: 28.151 ng/ul
RT: 12.83 min Scan# 1674
Delta R.T. -0.01 min
Lab File: BM023112.D
Acq: 10 Oct 2019 12:04

Tgt Ion:196 Resp: 242005

Ion	Ratio	Lower	Upper
196	100		
198	96.8	76.5	114.7
200	30.9	25.0	37.6



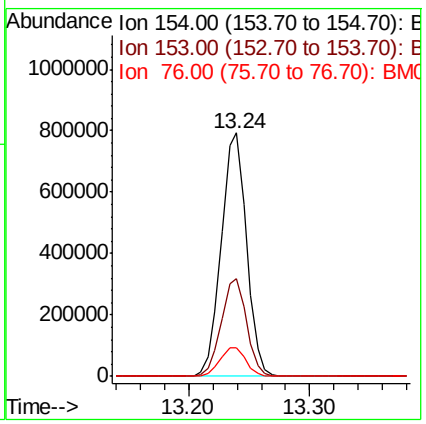


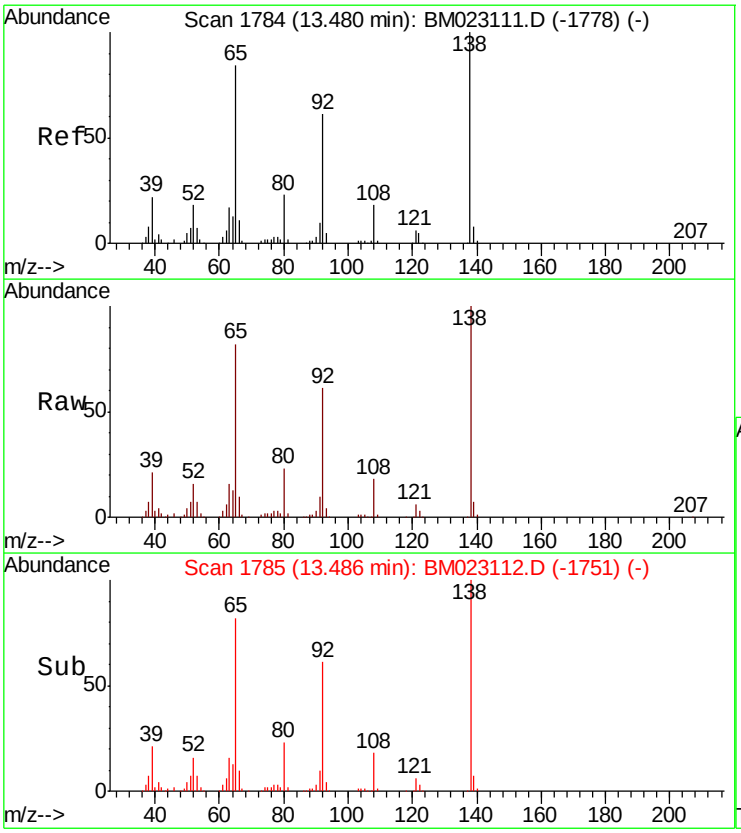
#41
1,1'-Biphenyl
Concen: 35.428 ng/ul
RT: 13.24 min Scan# 1743
Delta R.T. -0.01 min
Lab File: BM023112.D
Acq: 10 Oct 2019 12:04

Instrument :
BNA_M
ClientSampleId :
DBAC5

Tgt Ion:154 Resp: 1146004

Ion	Ratio	Lower	Upper
154	100		
153	40.3	31.8	47.6
76	11.9	9.6	14.4

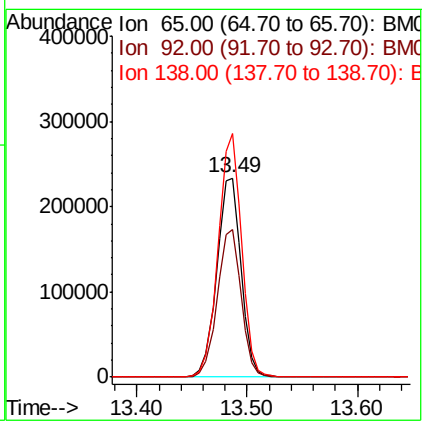


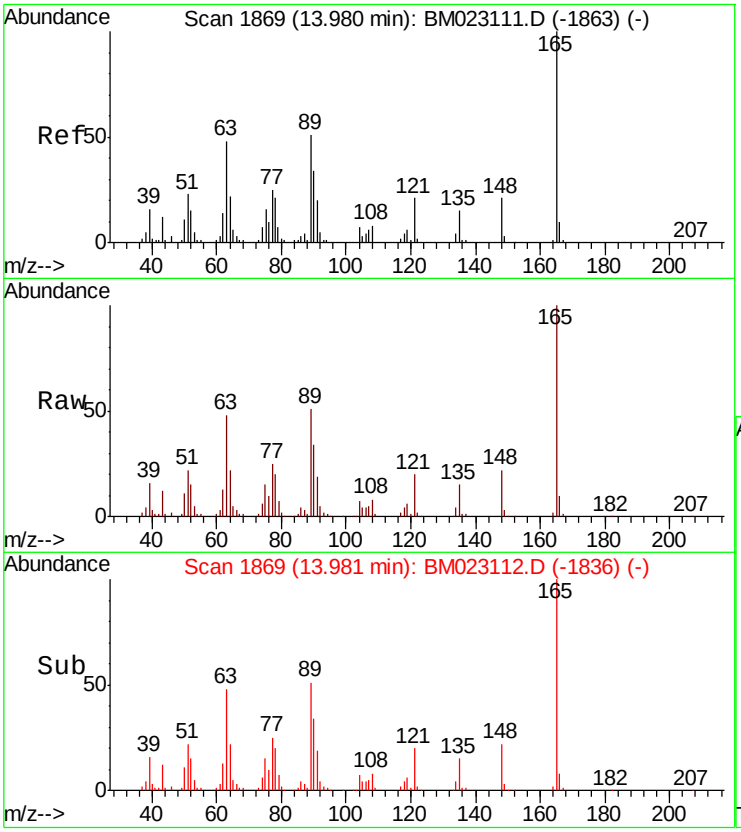


#43
2-Nitroaniline
Concen: 55.685 ng/ul
RT: 13.49 min Scan# 1785
Delta R.T. 0.00 min
Lab File: BM023112.D
Acq: 10 Oct 2019 12:04

Tgt Ion: 65 Resp: 357128

Ion	Ratio	Lower	Upper
65	100		
92	74.1	58.4	87.6
138	122.2	95.6	143.4



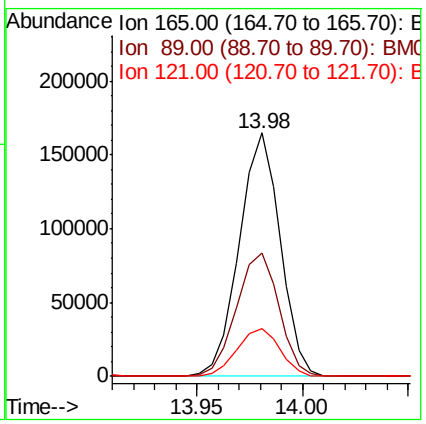


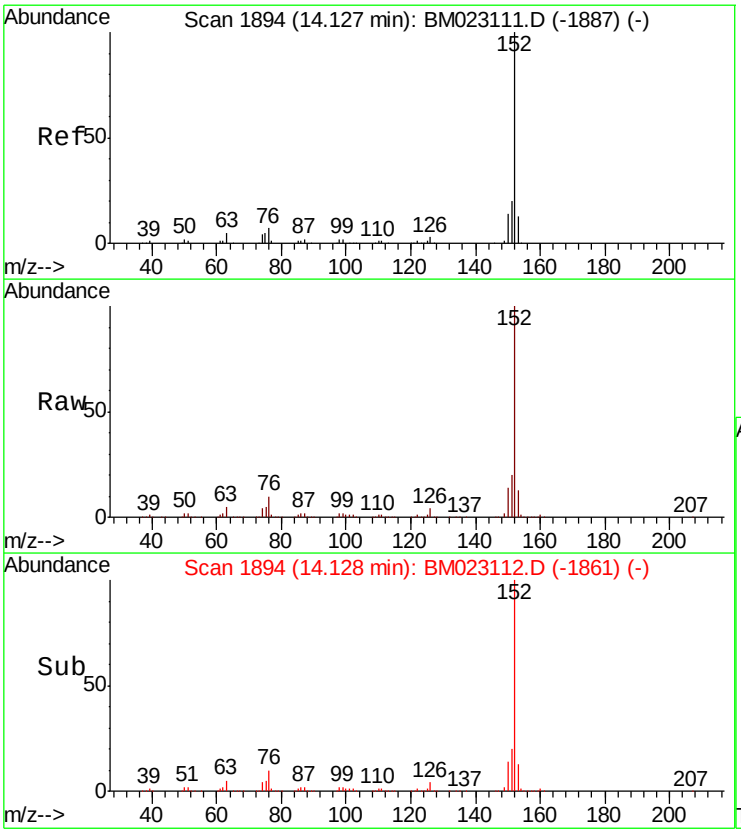
#46
2,6-Dinitrotoluene
Concen: 35.331 ng/ul
RT: 13.98 min Scan# 1869
Delta R.T. -0.01 min
Lab File: BM023112.D
Acq: 10 Oct 2019 12:04

Instrument :
BNA_M
ClientSampleId :
DBAC5

Tgt Ion:165 Resp: 221882

Ion	Ratio	Lower	Upper
165	100		
89	50.8	41.0	61.4
121	19.7	16.1	24.1

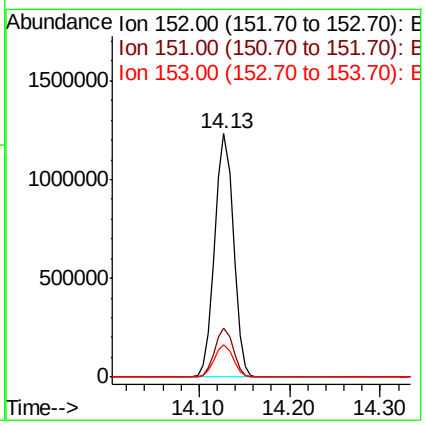


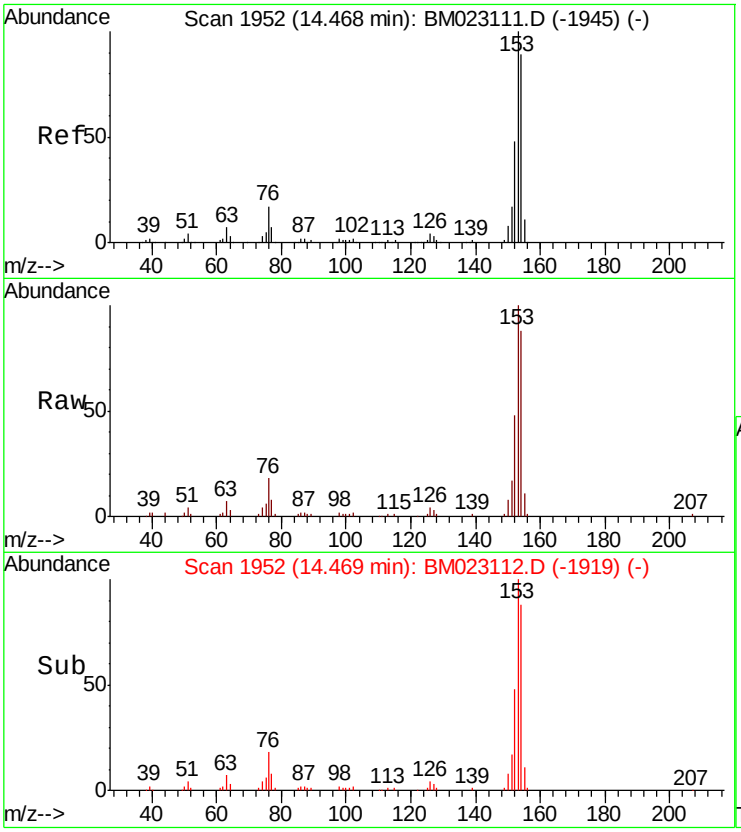


#48
Acenaphthylene
Concen: 46.224 ng/ul
RT: 14.13 min Scan# 1894
Delta R.T. -0.01 min
Lab File: BM023112.D
Acq: 10 Oct 2019 12:04

Tgt Ion:152 Resp: 1766464

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0
153	13.2	10.6	16.0



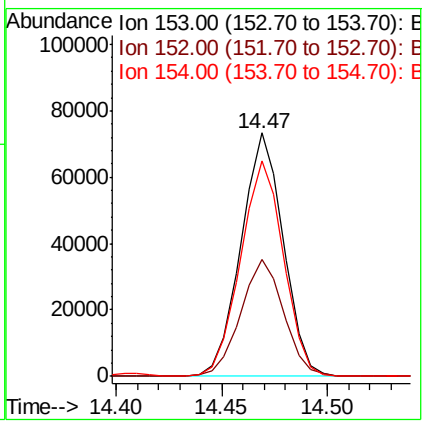


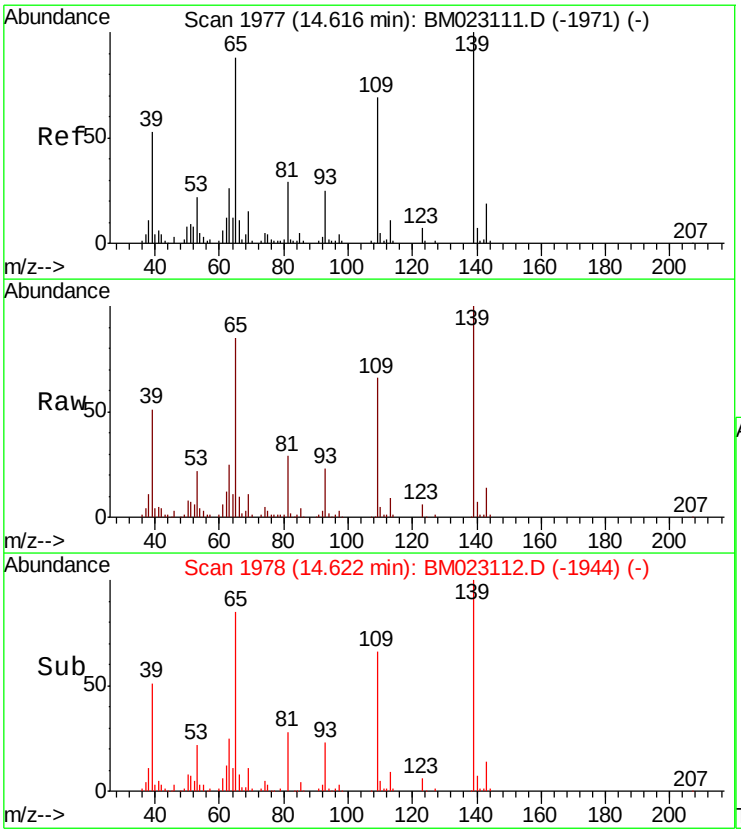
#50
Acenaphthene
Concen: 3.832 ng/ul
RT: 14.47 min Scan# 1952
Delta R.T. -0.01 min
Lab File: BM023112.D
Acq: 10 Oct 2019 12:04

Instrument :
BNA_M
ClientSampleId :
DBAC5

Tgt Ion:153 Resp: 102021

Ion	Ratio	Lower	Upper
153	100		
152	48.1	38.1	57.1
154	88.5	71.1	106.7

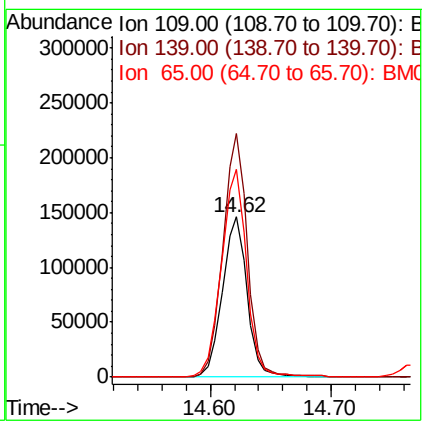


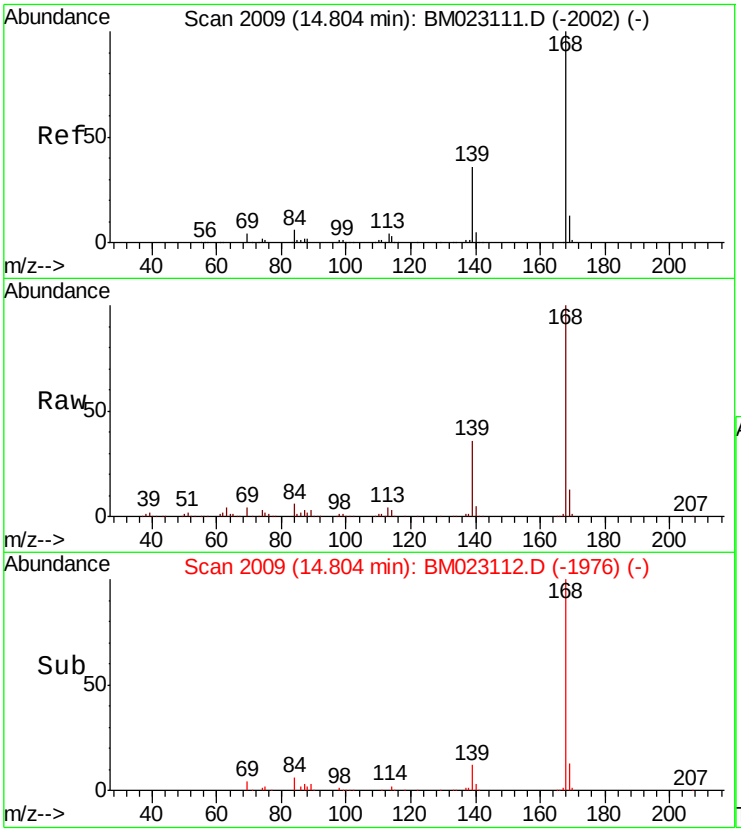


#53
4-Nitrophenol
Concen: 46.755 ng/ul
RT: 14.62 min Scan# 1978
Delta R.T. 0.00 min
Lab File: BM023112.D
Acq: 10 Oct 2019 12:04

Tgt Ion:109 Resp: 207010

Ion	Ratio	Lower	Upper
109	100		
139	152.1	119.5	179.3
65	130.0	105.0	157.4



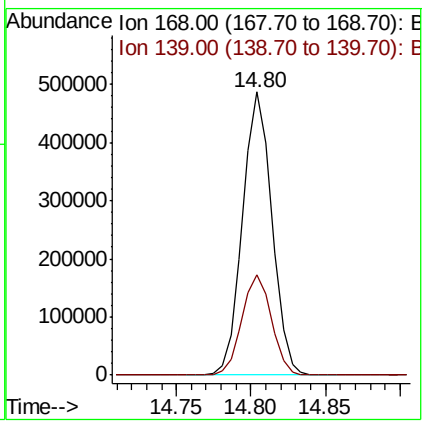


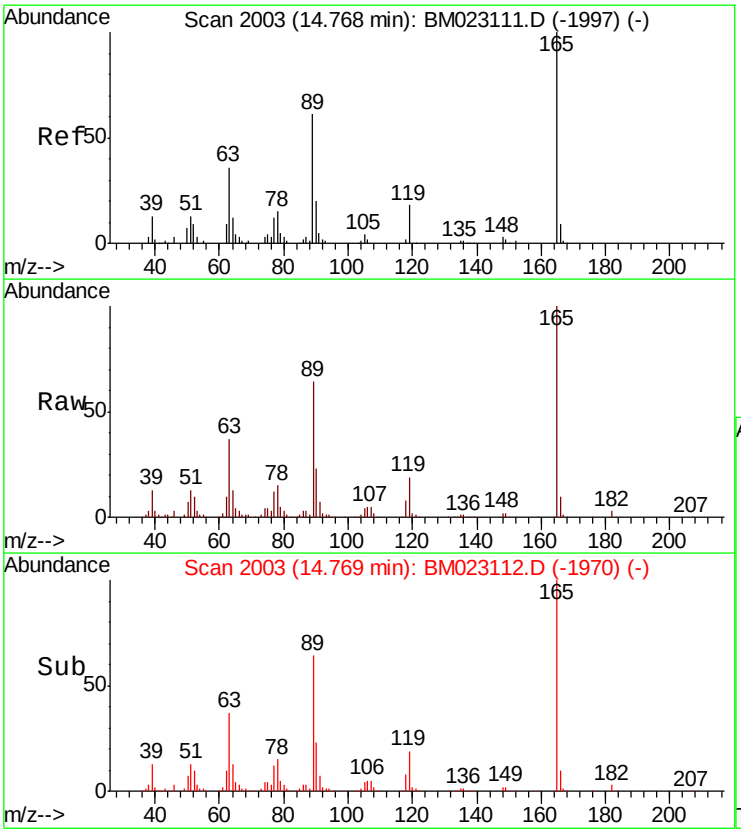
#54
Dibenzofuran
Concen: 17.359 ng/ul
RT: 14.80 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BM023112.D
Acq: 10 Oct 2019 12:04

Instrument :
BNA_M
ClientSampleId :
DBAC5

Tgt Ion:168 Resp: 660014

Ion	Ratio	Lower	Upper
168	100		
139	35.5	29.0	43.4

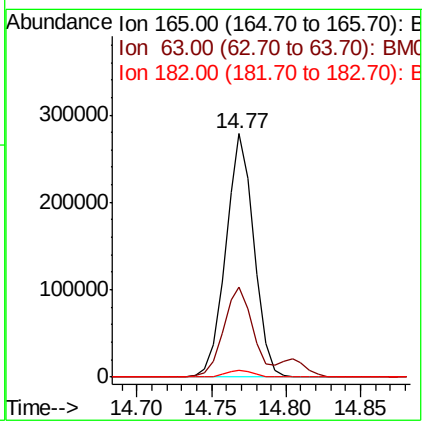


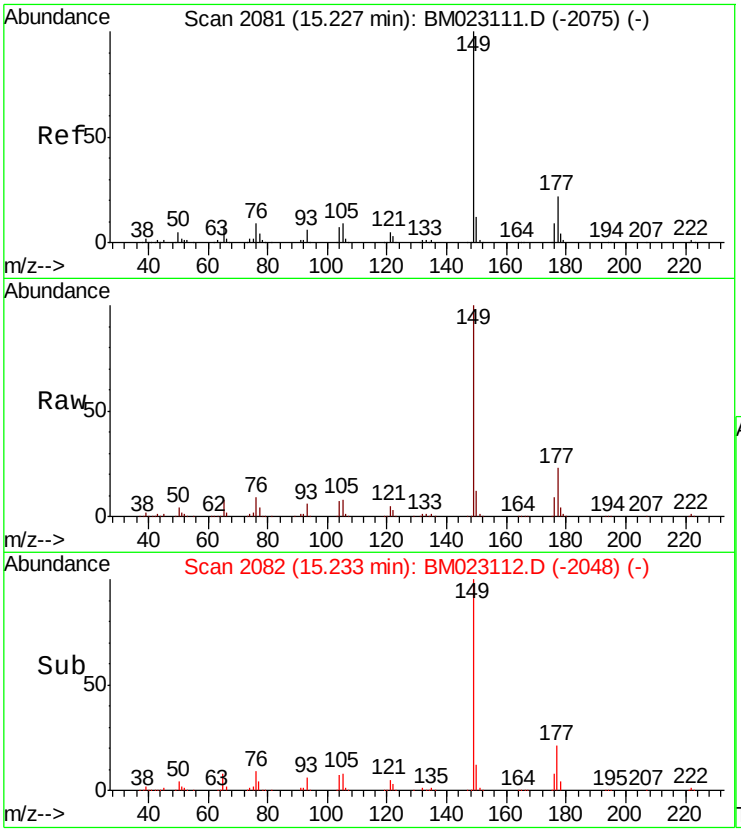


#55
2,4-Dinitrotoluene
Concen: 39.743 ng/ul
RT: 14.77 min Scan# 2003
Delta R.T. -0.01 min
Lab File: BM023112.D
Acq: 10 Oct 2019 12:04

Tgt Ion:165 Resp: 368245

Ion	Ratio	Lower	Upper
165	100		
63	36.8	29.8	44.6
182	2.9	2.2	3.4



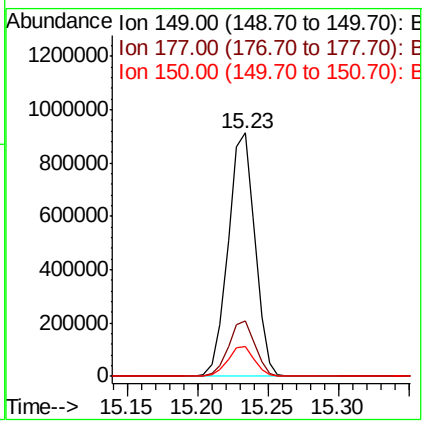


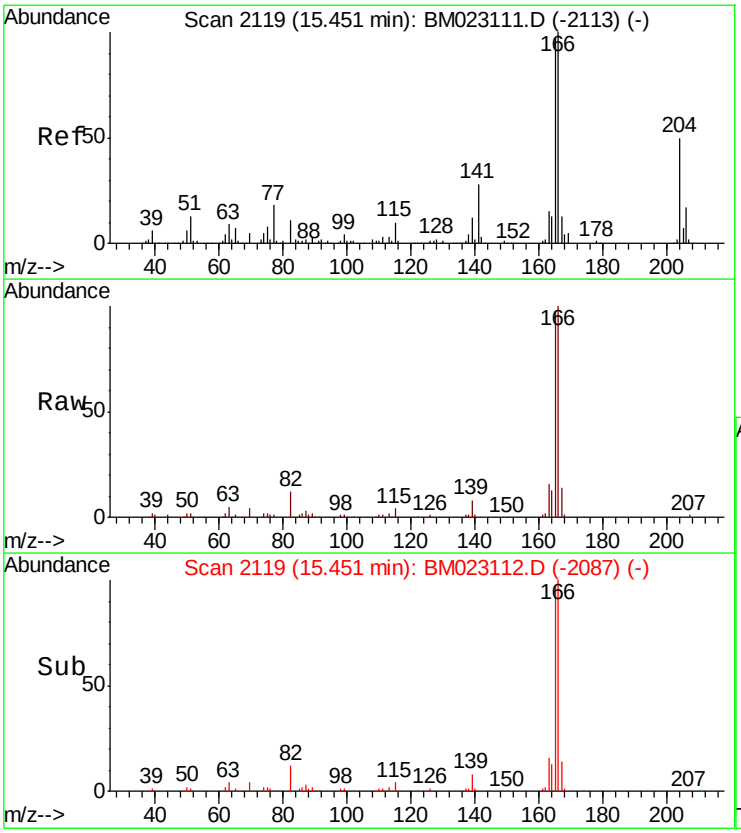
#57
Diethylphthalate
Concen: 38.132 ng/ul
RT: 15.23 min Scan# 2082
Delta R.T. 0.00 min
Lab File: BM023112.D
Acq: 10 Oct 2019 12:04

Instrument :
BNA_M
ClientSampleId :
DBAC5

Tgt Ion:149 Resp: 1205803

Ion	Ratio	Lower	Upper
149	100		
177	22.5	17.8	26.8
150	12.2	9.8	14.6

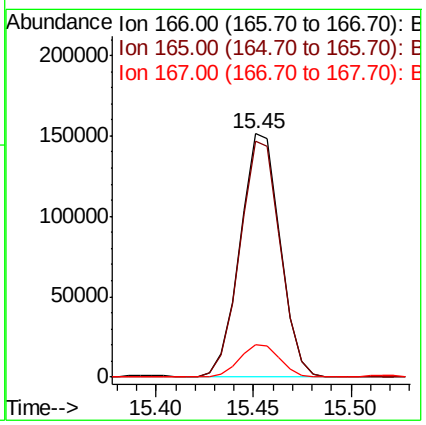


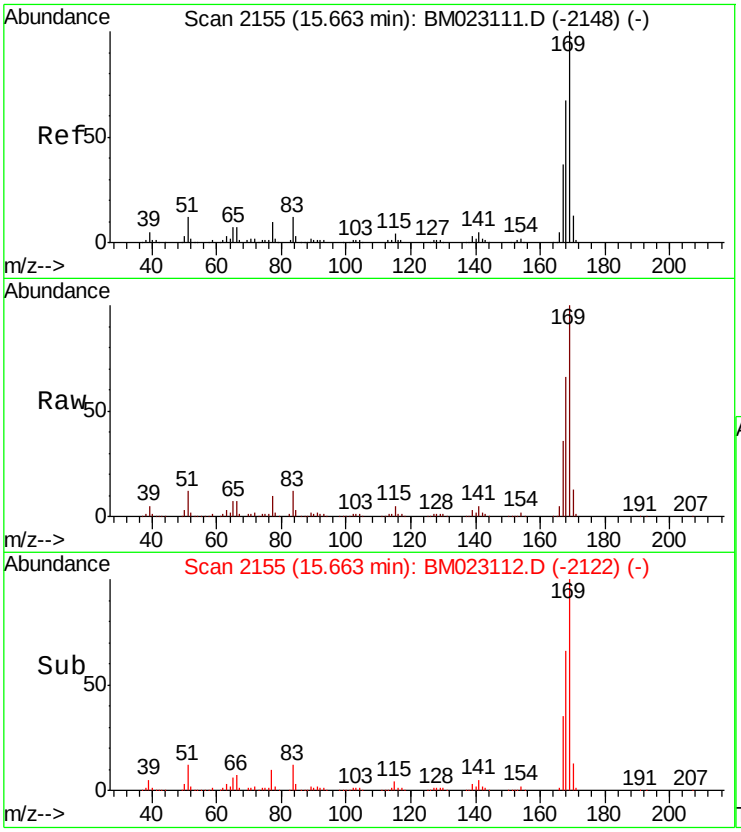


#59
Fluorene
Concen: 6.991 ng/ul
RT: 15.45 min Scan# 2119
Delta R.T. -0.01 min
Lab File: BM023112.D
Acq: 10 Oct 2019 12:04

Tgt Ion:166 Resp: 214797

Ion	Ratio	Lower	Upper
166	100		
165	97.1	77.7	116.5
167	13.6	11.0	16.4



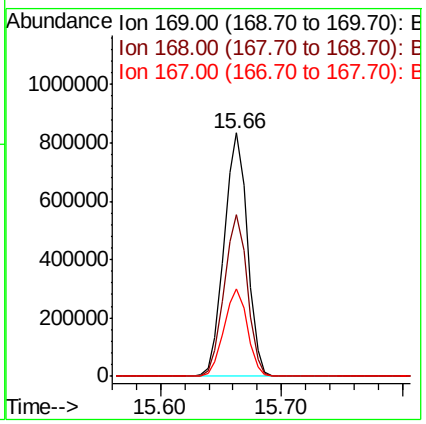


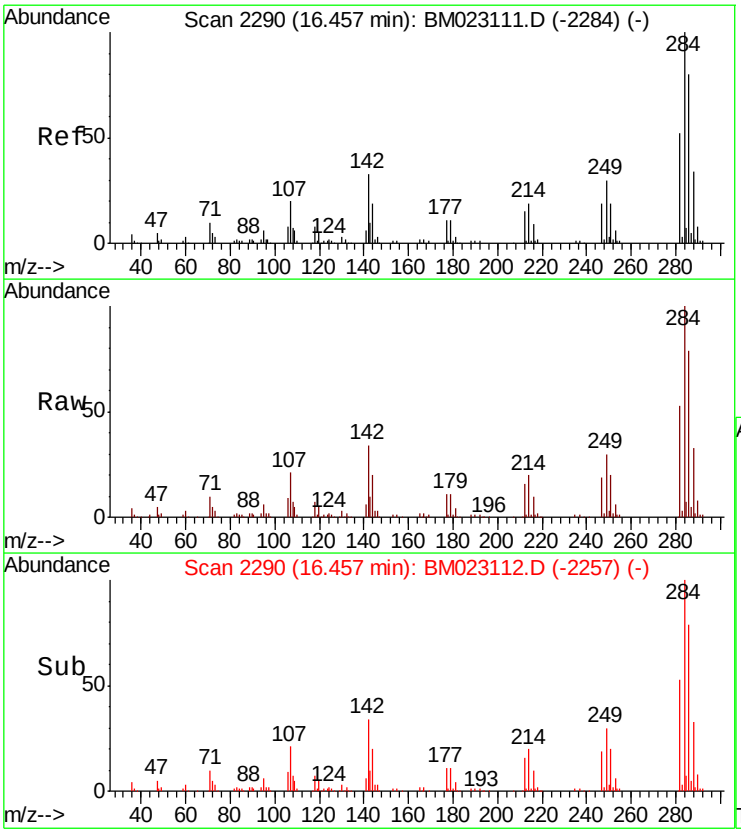
#65
N-Nitrosodiphenylamine
Concen: 45.244 ng/ul
RT: 15.66 min Scan# 2155
Delta R.T. -0.01 min
Lab File: BM023112.D
Acq: 10 Oct 2019 12:04

Instrument :
BNA_M
ClientSampleId :
DBAC5

Tgt Ion:169 Resp: 1114026

Ion	Ratio	Lower	Upper
169	100		
168	66.2	53.2	79.8
167	36.0	28.8	43.2

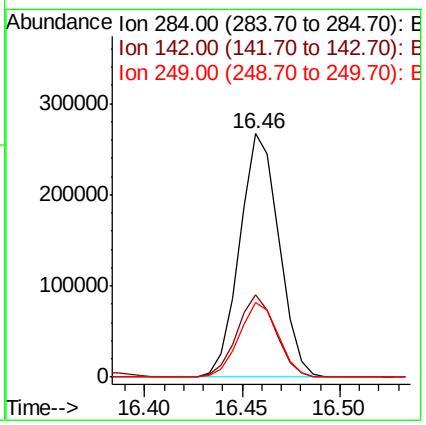


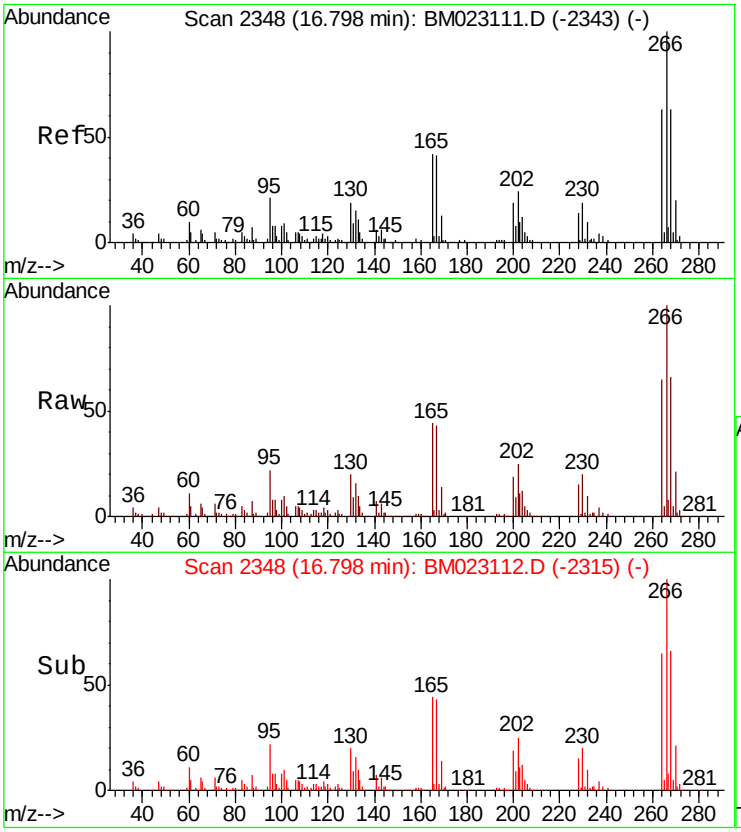


#67
Hexachlorobenzene
Concen: 36.953 ng/ul
RT: 16.46 min Scan# 2290
Delta R.T. -0.01 min
Lab File: BM023112.D
Acq: 10 Oct 2019 12:04

Tgt Ion:284 Resp: 372340

Ion	Ratio	Lower	Upper
284	100		
142	34.1	27.8	41.6
249	30.5	24.2	36.2



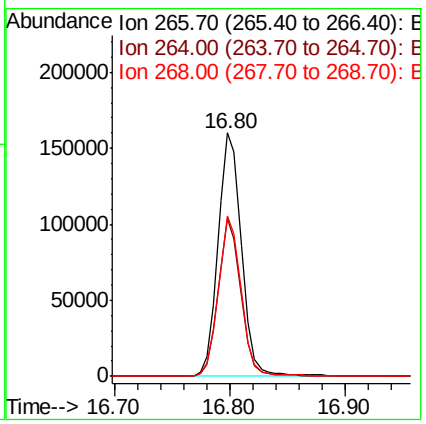


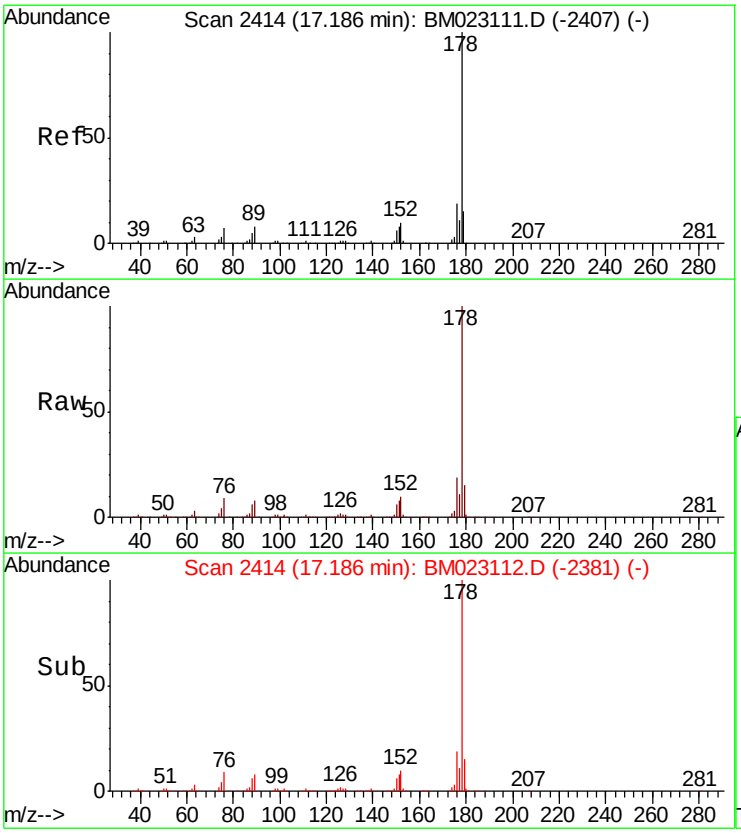
#69
Pentachlorophenol
Concen: 34.429 ng/ul
RT: 16.80 min Scan# 2348
Delta R.T. -0.01 min
Lab File: BM023112.D
Acq: 10 Oct 2019 12:04

Instrument :
BNA_M
ClientSampleId :
DBAC5

Tgt Ion:266 Resp: 225055

Ion	Ratio	Lower	Upper
266	100		
264	64.6	50.8	76.2
268	66.0	51.4	77.0

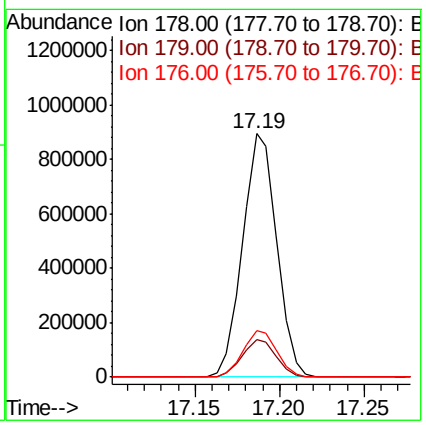


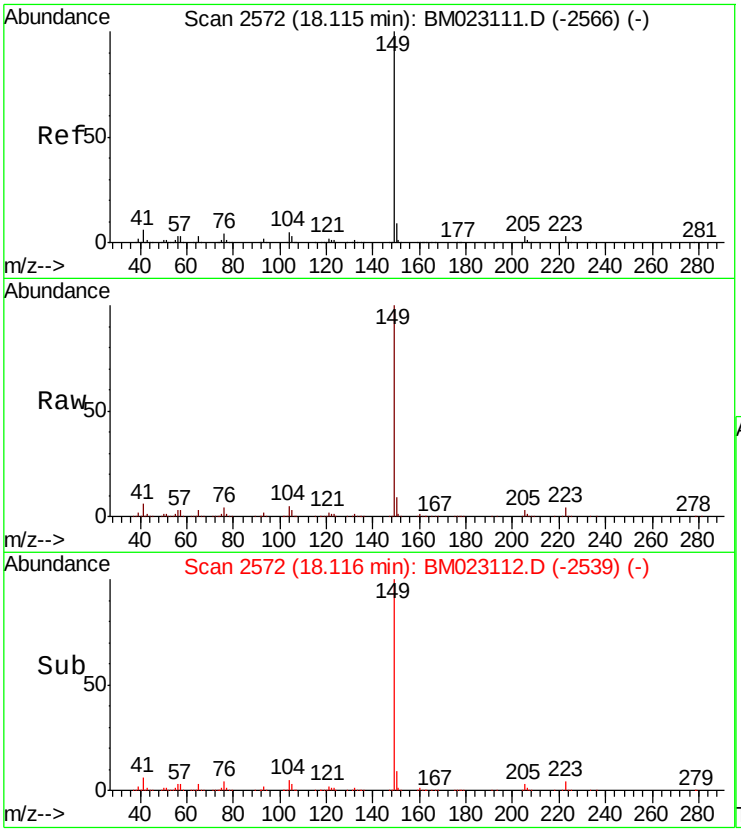


#70
Phenanthrene
Concen: 28.202 ng/ul
RT: 17.19 min Scan# 2414
Delta R.T. -0.01 min
Lab File: BM023112.D
Acq: 10 Oct 2019 12:04

Tgt Ion:178 Resp: 1260908

Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.4	18.6
176	19.3	15.3	22.9



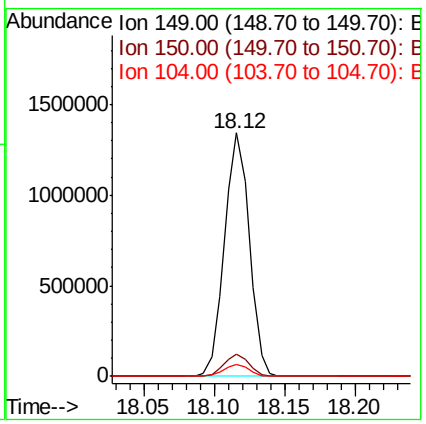


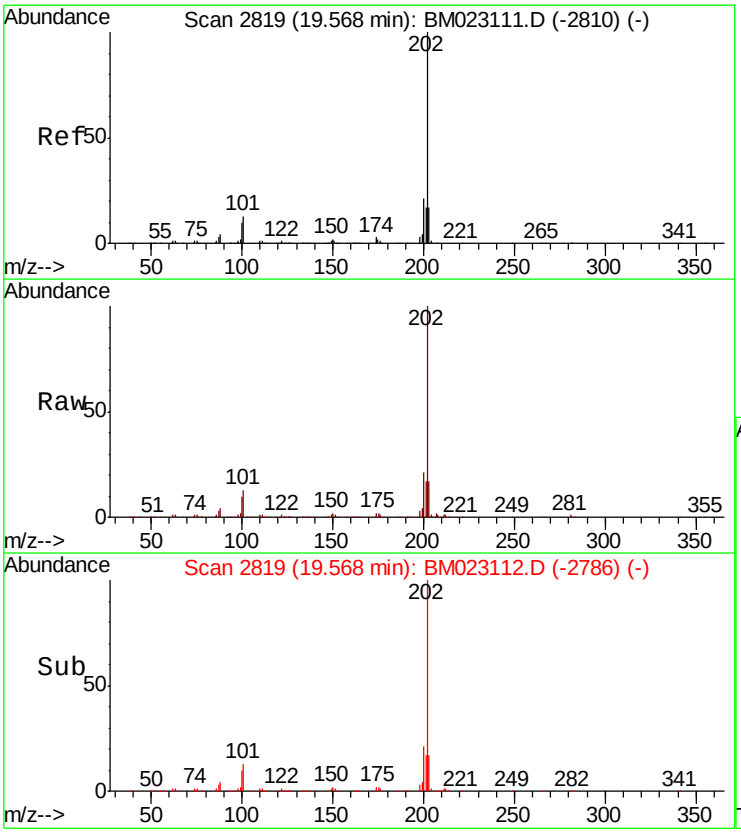
#76
Di-n-butylphthalate
Concen: 34.374 ng/ul
RT: 18.12 min Scan# 2572
Delta R.T. -0.01 min
Lab File: BM023112.D
Acq: 10 Oct 2019 12:04

Instrument :
BNA_M
ClientSampleId :
DBAC5

Tgt Ion:149 Resp: 1640919

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.4	11.0
104	4.8	3.7	5.5

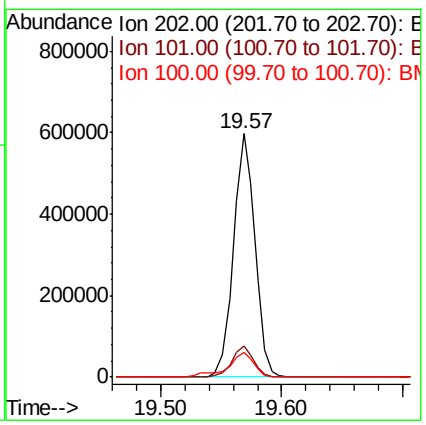


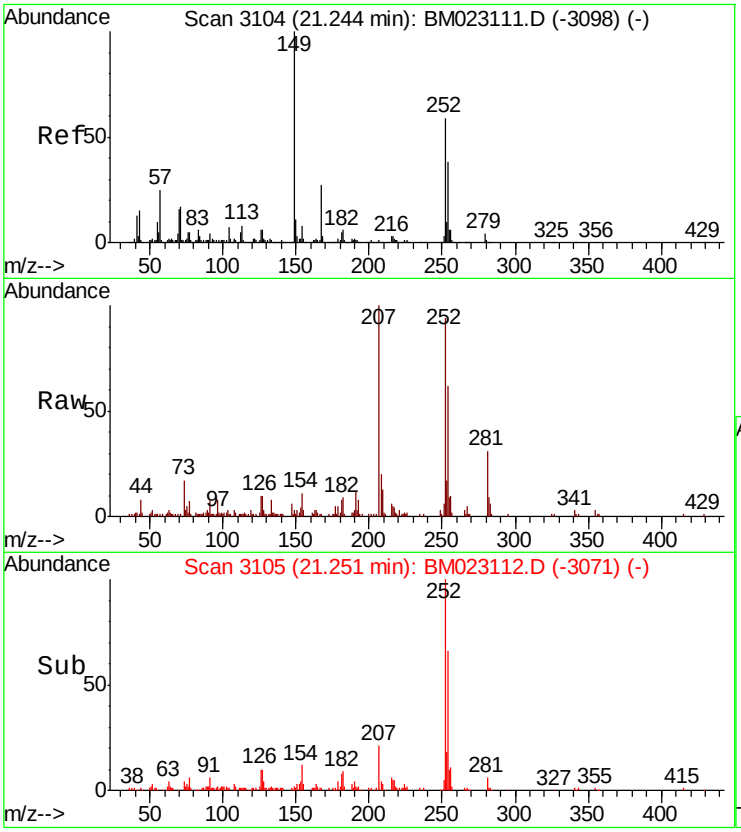


#80
Pyrene
Concen: 13.803 ng/ul
RT: 19.57 min Scan# 2819
Delta R.T. -0.01 min
Lab File: BM023112.D
Acq: 10 Oct 2019 12:04

Tgt Ion:202 Resp: 741850

Ion	Ratio	Lower	Upper
202	100		
101	12.7	9.7	14.5
100	10.3	7.8	11.8



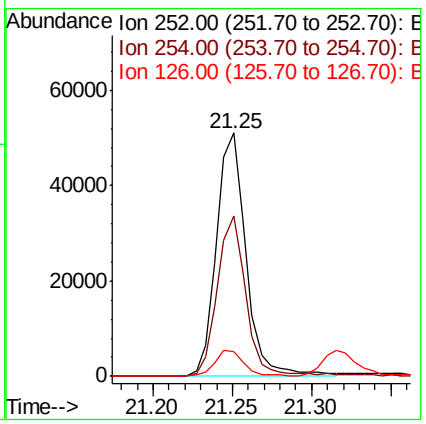


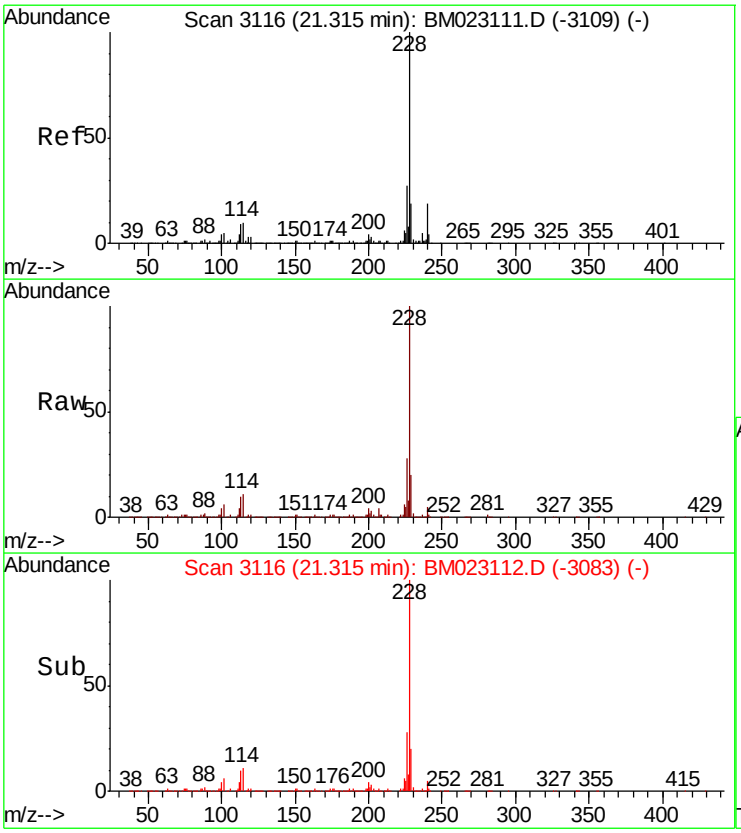
#82
3,3'-Dichlorobenzidine
Concen: 3.841 ng/ul
RT: 21.25 min Scan# 3105
Delta R.T. 0.00 min
Lab File: BM023112.D
Acq: 10 Oct 2019 12:04

Instrument :
BNA_M
ClientSampleId :
DBAC5

Tgt Ion:252 Resp: 66337

Ion	Ratio	Lower	Upper
252	100		
254	65.8	51.5	77.3
126	10.3	8.0	12.0

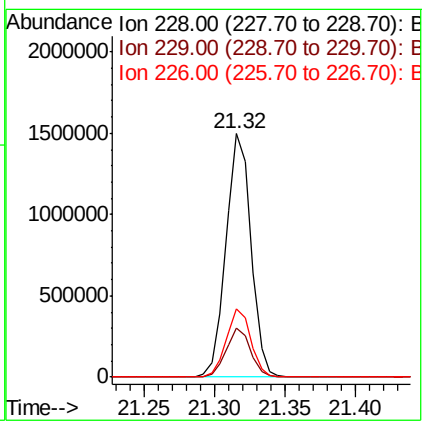


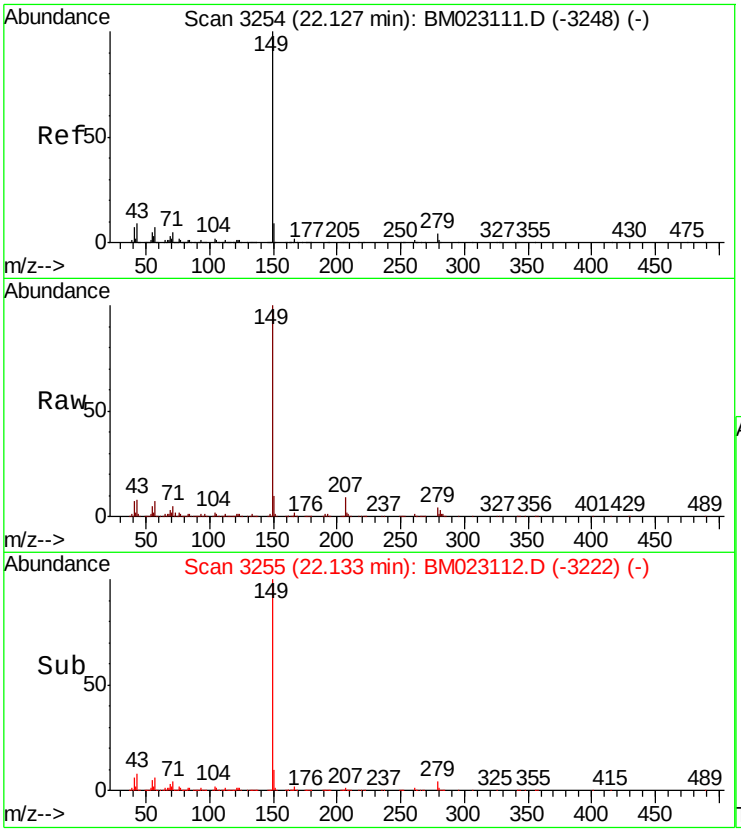


#83
Benzo(a)anthracene
Concen: 33.902 ng/ul
RT: 21.32 min Scan# 3116
Delta R.T. -0.01 min
Lab File: BM023112.D
Acq: 10 Oct 2019 12:04

Tgt Ion:228 Resp: 1845440

Ion	Ratio	Lower	Upper
228	100		
229	20.1	15.8	23.8
226	27.9	22.4	33.6

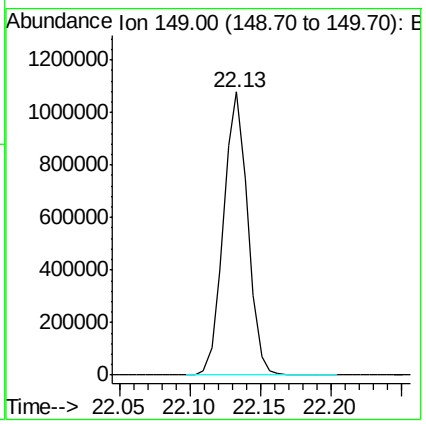


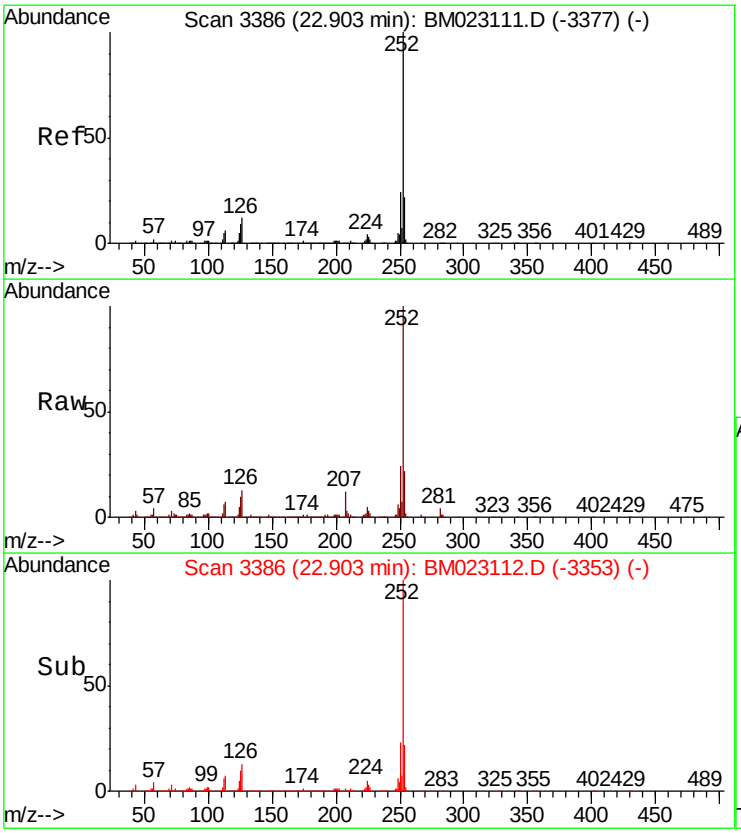


#87
Di-n-octyl phthalate
Concen: 21.505 ng/ul
RT: 22.13 min Scan# 3255
Delta R.T. -0.01 min
Lab File: BM023112.D
Acq: 10 Oct 2019 12:04

Instrument :
BNA_M
ClientSampleId :
DBAC5

Tgt Ion:149 Resp: 1268664

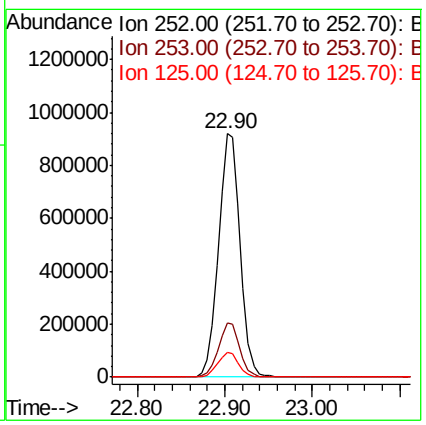


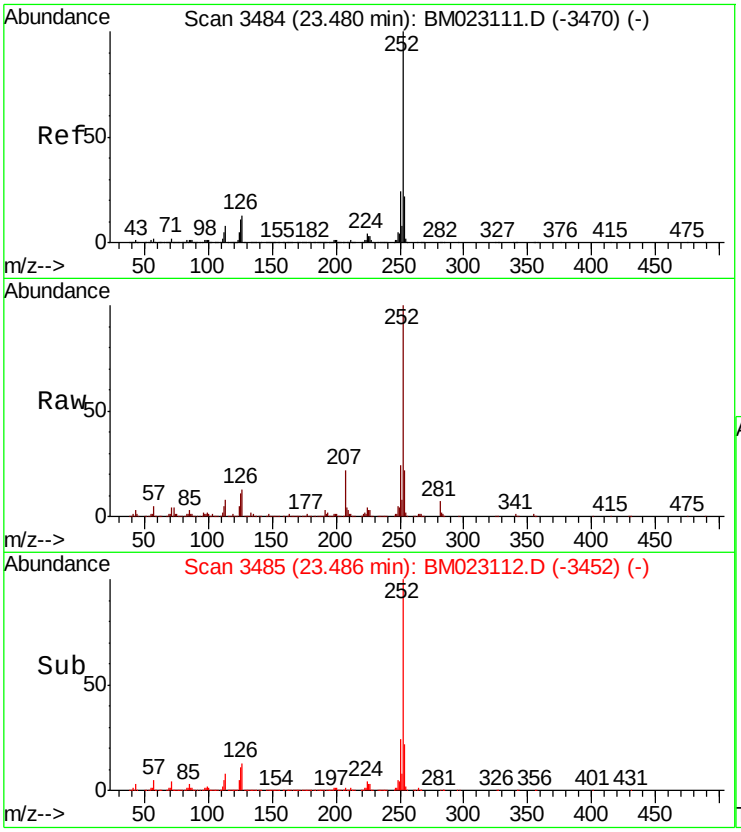


#88
Benzo(b)fluoranthene
Concen: 27.121 ng/ul
RT: 22.90 min Scan# 3386
Delta R.T. -0.01 min
Lab File: BM023112.D
Acq: 10 Oct 2019 12:04

Tgt Ion:252 Resp: 1561175

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	10.1	8.2	12.2



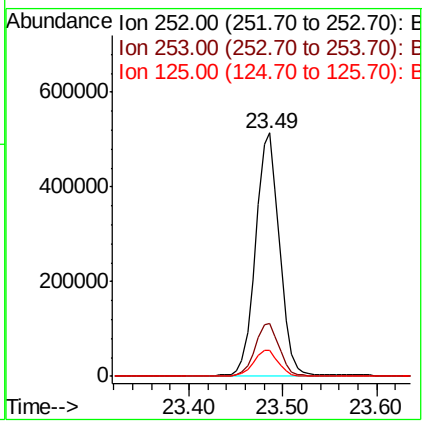


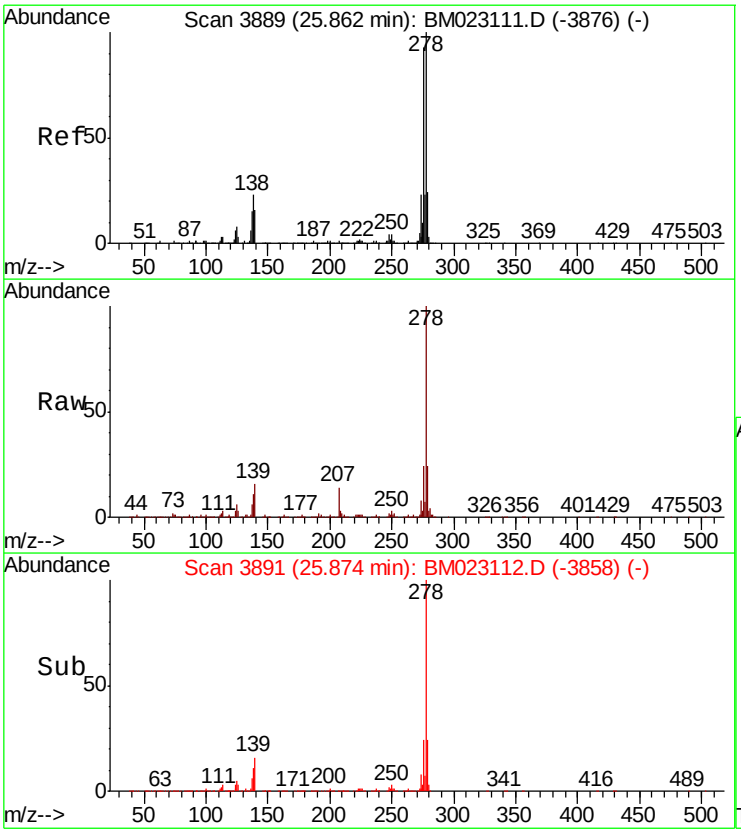
#91
Benzo(a)pyrene
Concen: 16.687 ng/ul
RT: 23.49 min Scan# 3485
Delta R.T. -0.01 min
Lab File: BM023112.D
Acq: 10 Oct 2019 12:04

Instrument :
BNA_M
ClientSampleId :
DBAC5

Tgt Ion:252 Resp: 901186

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	10.9	8.7	13.1

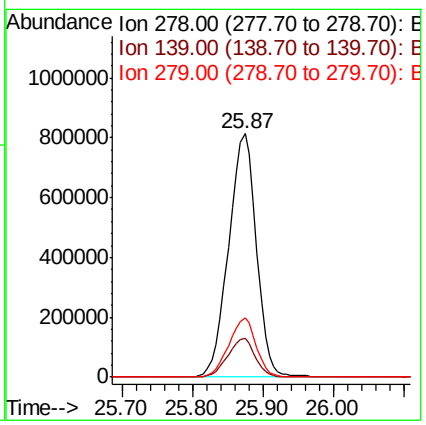


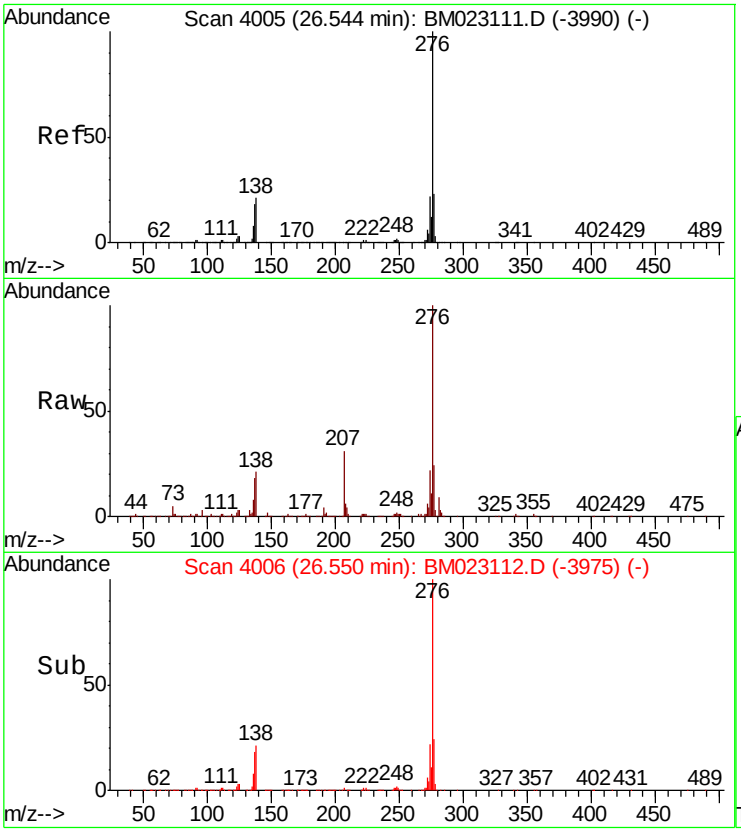


#93
Dibenzo(a,h)anthracene
Concen: 46.299 ng/ul
RT: 25.87 min Scan# 3891
Delta R.T. -0.01 min
Lab File: BM023112.D
Acq: 10 Oct 2019 12:04

Tgt Ion:278 Resp: 2221722

Ion	Ratio	Lower	Upper
278	100		
139	15.8	13.2	19.8
279	24.2	19.0	28.6





#94
Benzo(g,h,i)perylene
Concen: 25.147 ng/ul
RT: 26.55 min Scan# 4006
Delta R.T. -0.02 min
Lab File: BM023112.D
Acq: 10 Oct 2019 12:04

Instrument :
BNA_M
ClientSampleId :
DBAC5

Tgt Ion:276 Resp: 1163774

Ion	Ratio	Lower	Upper
276	100		
138	21.2	17.6	26.4
277	23.8	19.1	28.7