Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042419\
Data File : BN005250.D
Acq On : 24 Apr 2019 14:40
Operator : JU/SJ
Sample : K2403-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A5111

Quant Time: Apr 25 04:38:52 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Apr 25 03:19:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	398509	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	1768713	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	1074837	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	2423034	20.00	ng/ul	0.00
77) Chrysene-d12	21.23	240	1768075	20.00	ng/ul	0.00
85) Perylene-d12	23.46	264	1732794	20.00	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.22	96	38952	4.72	ng/uL	0.00
5) Phenol-d5	6.78	99	924500	29.54	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	522779	26.78	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	704333	29.40	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	728224	29.76	ng/ul	0.00
19) Nitrobenzene-d5	8.74	128	362025	33.26	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	403552	36.57	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	791870	31.30	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	824690	31.61	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	2751143	35.26	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	3180056	33.18	ng/ul	0.00
51) 4-Nitrophenol-d4	14.43	143	441941	35.87	ng/ul	0.00
57) Fluorene-d10	15.23	176	2293451	35.02	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.36	200	371389	34.08	ng/ul	0.00
70) Anthracene-d10	17.09	188	3605444	35.50	ng/ul	0.00
78) Pyrene-d10	19.40	212	3734234	41.29	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.33	264	2823227	37.28	ng/ul	0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.25	88	73249	8.251	ng/uL	90
12) 2,2'-oxybis(1-Chloropropan	8.13	45	778575	17.988	ng/ul	98
20) Nitrobenzene	8.78	77	676909	22.594	ng/ul	99
23) 2-Nitrophenol	9.48	139	407966	32.622	ng/ul	99
25) Bis(2-Chloroethoxy)methane	9.79	93	615651	16.515	ng/ul	99
27) 2,4-Dichlorophenol	10.01	162	518981	20.787	ng/ul	98
28) Naphthalene	10.40	128	1042805	12.682	ng/ul	99
33) 4-Chloro-3-methylphenol	11.65	107	1902633	67.679	ng/ul	97
34) 2-Methylnaphthalene	12.03	142	1817760	30.192	ng/ul	99
37) Hexachlorocyclopentadiene	12.38	237	411037	18.124	ng/ul	97
38) 2,4,6-Trichlorophenol	12.65	196	435637	21.719	ng/ul	99
41) 2-Chloronaphthalene	13.09	162	1437178	23.333	ng/ul	97
45) 2,6-Dinitrotoluene	13.81	165	248059	18.479	ng/ul	93
47) Acenaphthylene	13.95	152	1407643	14.947	ng/ul	99
49) Acenaphthene	14.29	153	1011315	15.730	ng/ul	98
54) 2,4-Dinitrotoluene	14.60	165	824846	42.623	ng/ul	93
55) 2,3,4,6-Tetrachlorophenol	14.86	232	835556	46.600	ng/ul	95
58) Fluorene	15.29	166	1116784	15.461	ng/ul	99
59) 4-Chlorophenyl-phenylether	15.29	204	995377	25.977	ng/ul	99
63) 4,6-Dinitro-2-methylphenol	15.37	198	1222631	105.411	ng/ul	92
65) 4-Bromophenyl-phenylether	16.19	248	772354	31.640	ng/ul	95
66) Hexachlorobenzene	16.29	284	856629	32.956	ng/ul	98
69) Phenanthrene	17.03	178	2018027	17.101	ng/ul	100

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Misc :
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Instrument : BNA_N
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN041919MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Thu Apr 25 03:19:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Anthracene	17.12	178	1849734	15.387	ng/ul	99
76) Fluoranthene	19.06	202	5325859	40.689	ng/ul	99
79) Pyrene	19.43	202	2156058	18.939	ng/ul	98
82) Benzo(a)anthracene	21.22	228	1795949	16.328	ng/ul	98
84) Chrysene	21.27	228	1673376	16.392	ng/ul	98
87) Benzo(b)fluoranthene	22.81	252	5024475	51.583	ng/ul	98
88) Benzo(k)fluoranthene	22.85	252	1495365	16.074	ng/ul	98
90) Benzo(a)pyrene	23.37	252	812765	8.877	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.65	276	1830084	18.079	ng/ul	98
92) Dibenzo(a,h)anthracene	25.67	278	1827267	21.270	ng/ul	98
93) Benzo(g,h,i)perylene	26.32	276	1607843	19.210	ng/ul	98

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

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Quant Title : SVOA CALIBRATION
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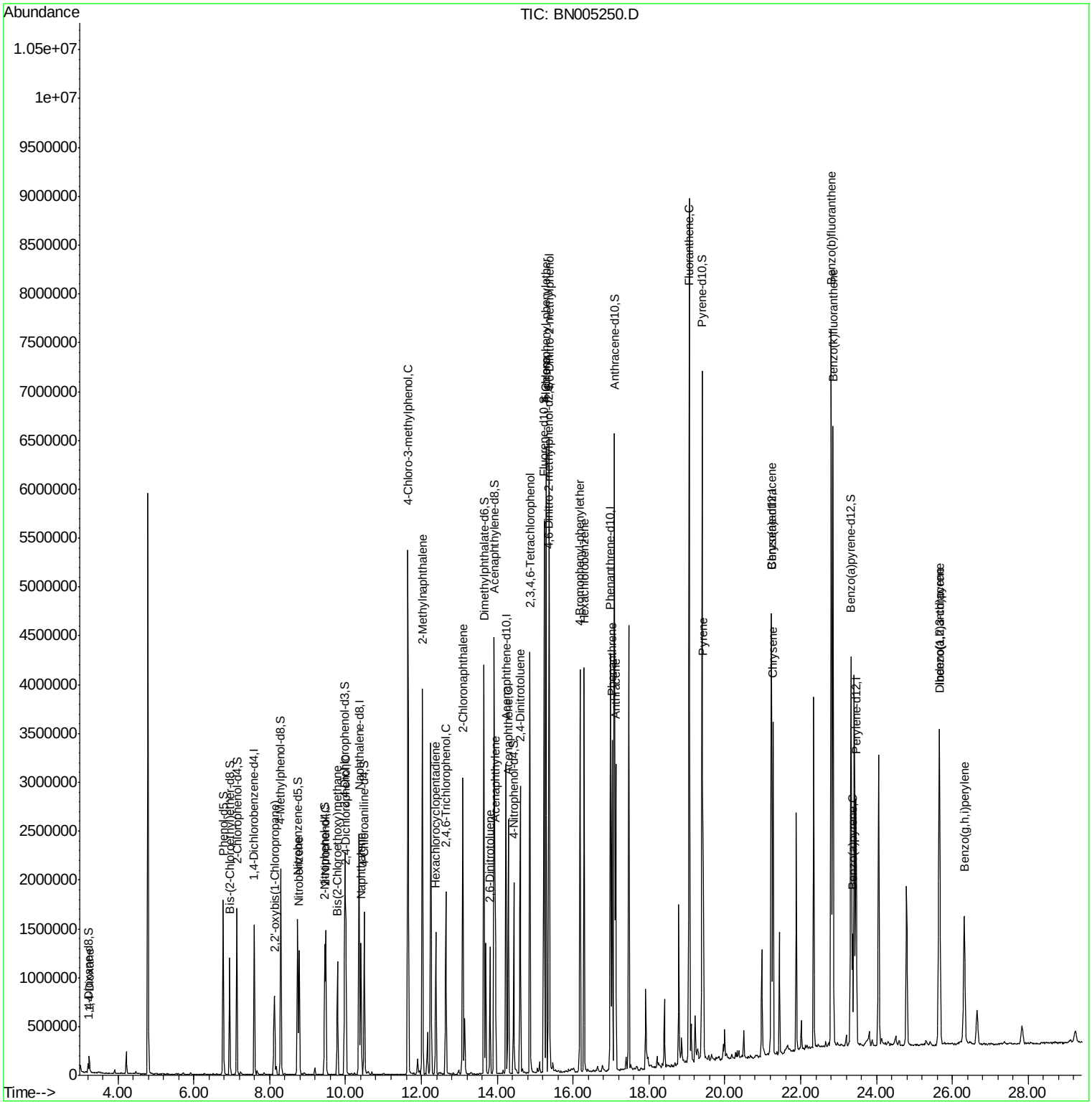
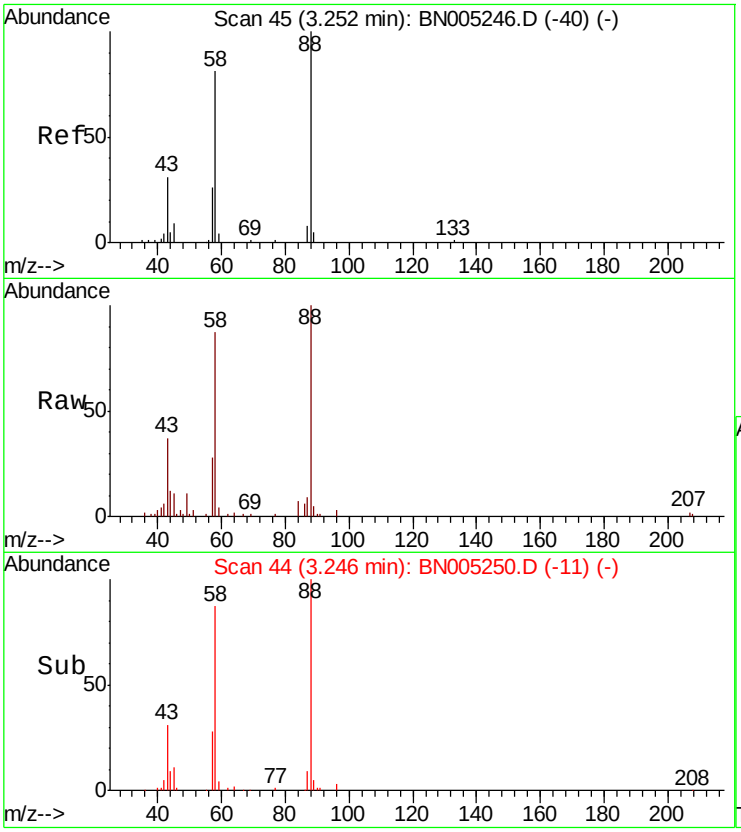


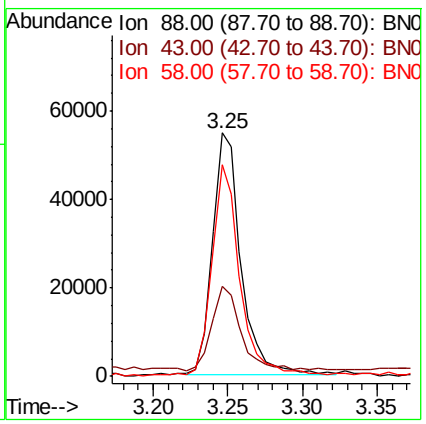


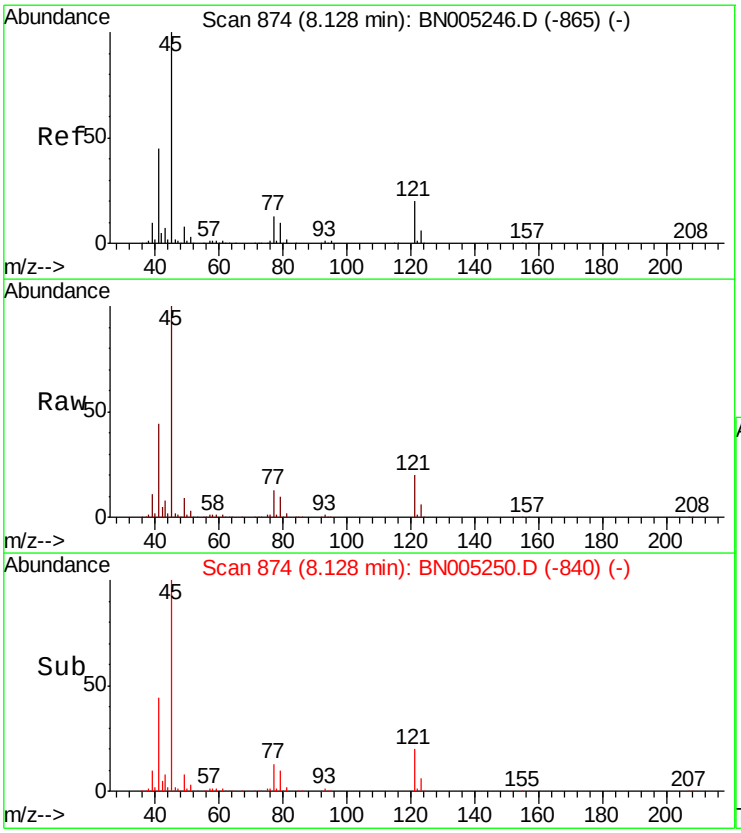
#2
1,4-Dioxane
Concen: 8.251 ng/uL
RT: 3.25 min Scan# 44
Delta R.T. -0.01 min
Lab File: BN005250.D
Acq: 24 Apr 2019 14:40

Instrument :
BNA_N
ClientSampleId :
A5111

Tgt Ion: 88 Resp: 73249

Ion	Ratio	Lower	Upper
88	100		
43	37.0	25.3	37.9
58	87.1	62.3	93.5

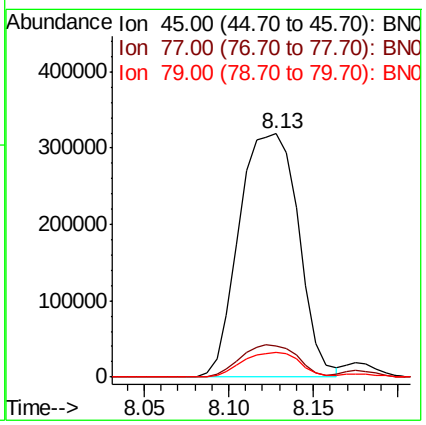


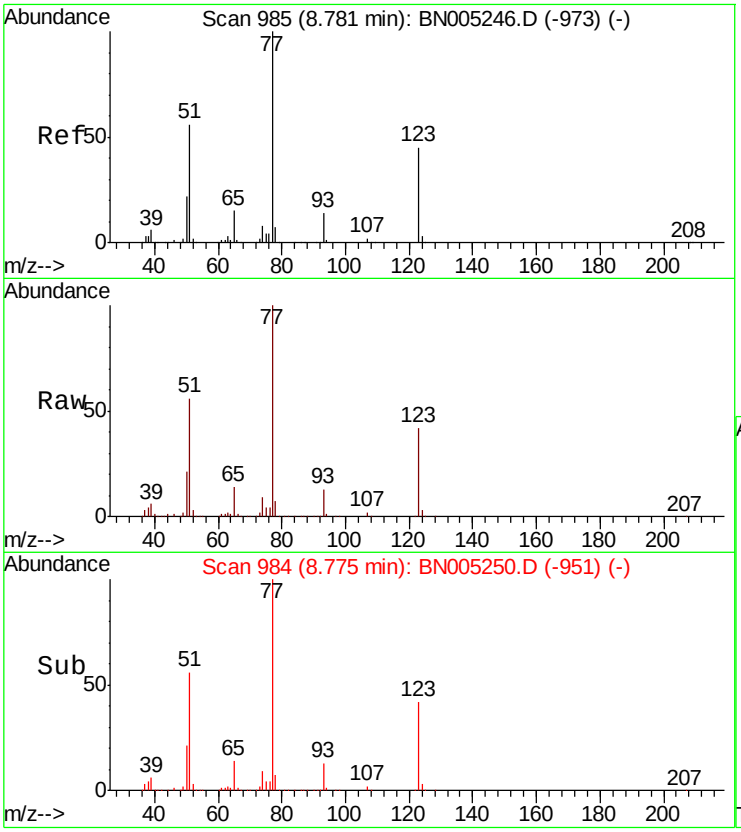


#12
2,2'-oxybis(1-Chloropropane)
Concen: 17.988 ng/ul
RT: 8.13 min Scan# 874
Delta R.T. 0.00 min
Lab File: BN005250.D
Acq: 24 Apr 2019 14:40

Tgt Ion: 45 Resp: 778575

Ion	Ratio	Lower	Upper
45	100		
77	12.6	9.8	14.6
79	10.4	7.4	11.0



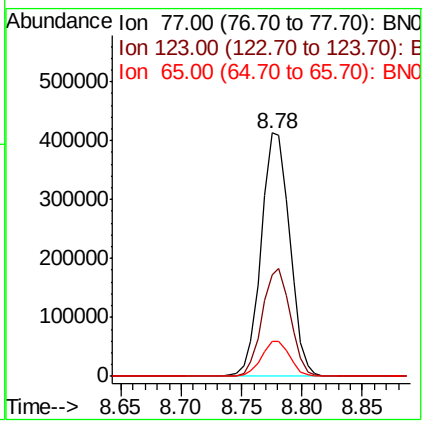


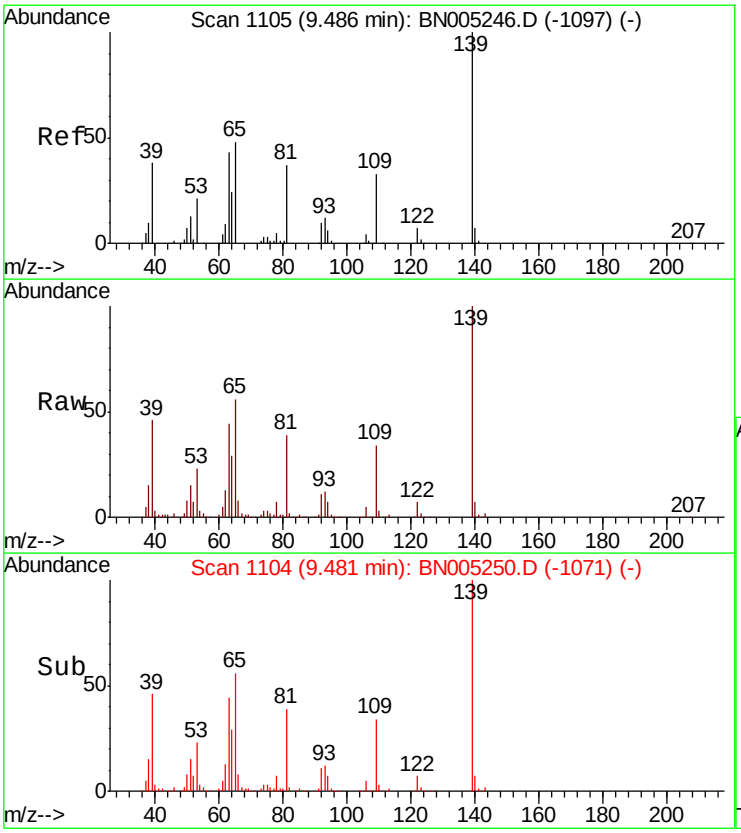
#20
Nitrobenzene
Concen: 22.594 ng/ul
RT: 8.78 min Scan# 984
Delta R.T. -0.01 min
Lab File: BN005250.D
Acq: 24 Apr 2019 14:40

Instrument :
BNA_N
ClientSampleId :
A5111

Tgt Ion: 77 Resp: 676909

Ion	Ratio	Lower	Upper
77	100		
123	41.7	32.6	49.0
65	14.1	11.6	17.4

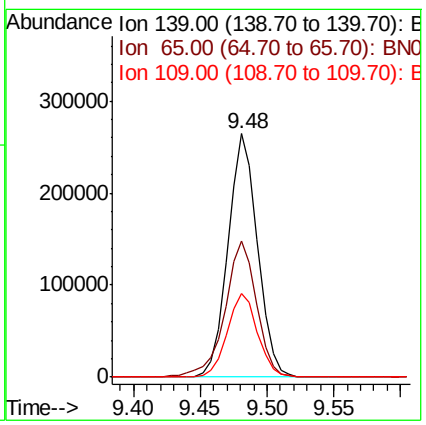


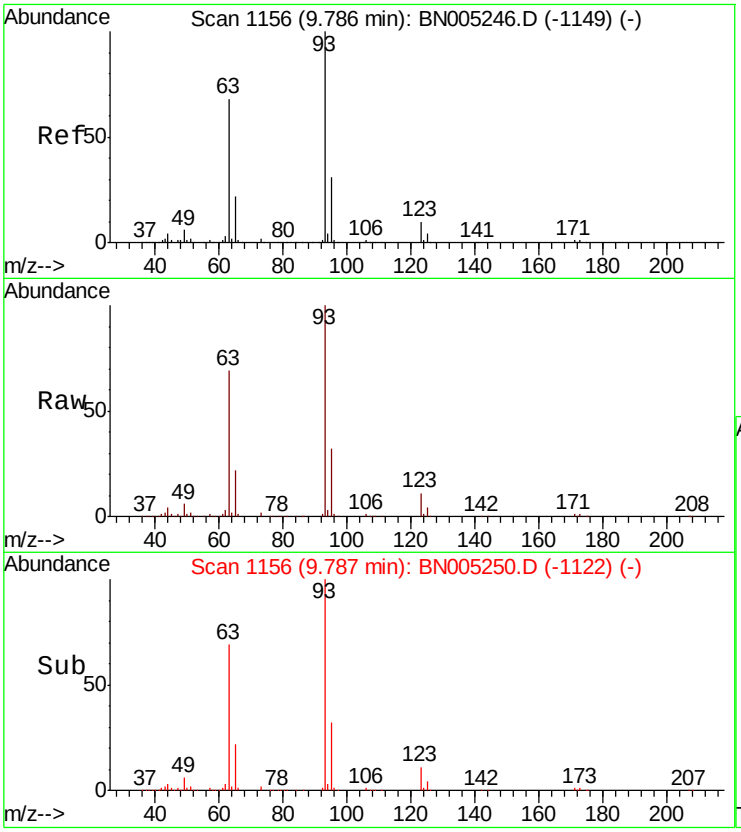


#23
2-Nitrophenol
Concen: 32.622 ng/ul
RT: 9.48 min Scan# 1104
Delta R.T. -0.01 min
Lab File: BN005250.D
Acq: 24 Apr 2019 14:40

Tgt Ion:139 Resp: 407966

Ion	Ratio	Lower	Upper
139	100		
65	56.0	44.2	66.4
109	34.3	26.8	40.2



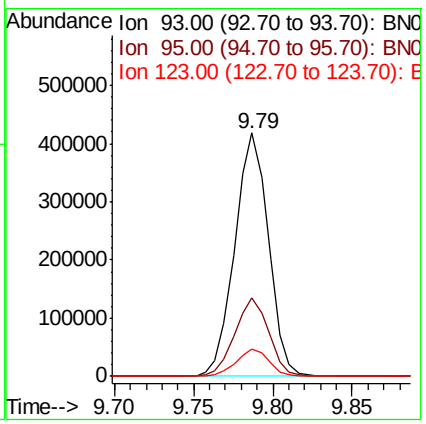


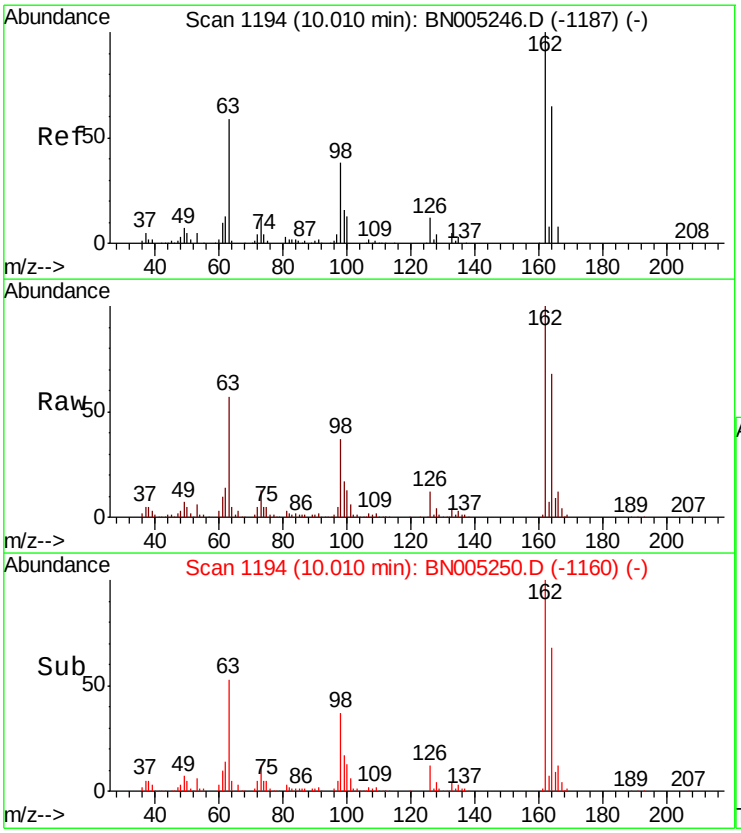
#25
Bis(2-Chloroethoxy)methane
Concen: 16.515 ng/ul
RT: 9.79 min Scan# 1156
Delta R.T. 0.00 min
Lab File: BN005250.D
Acq: 24 Apr 2019 14:40

Instrument :
BNA_N
ClientSampleId :
A5111

Tgt Ion: 93 Resp: 615651

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.6	39.8
123	11.2	8.9	13.3

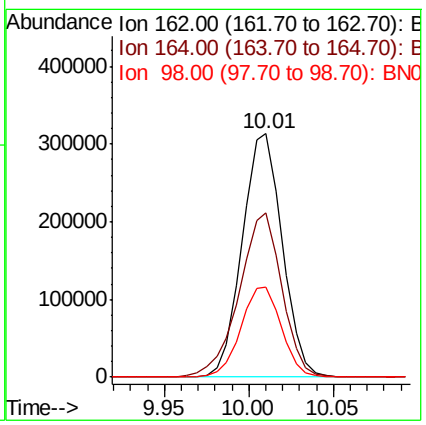


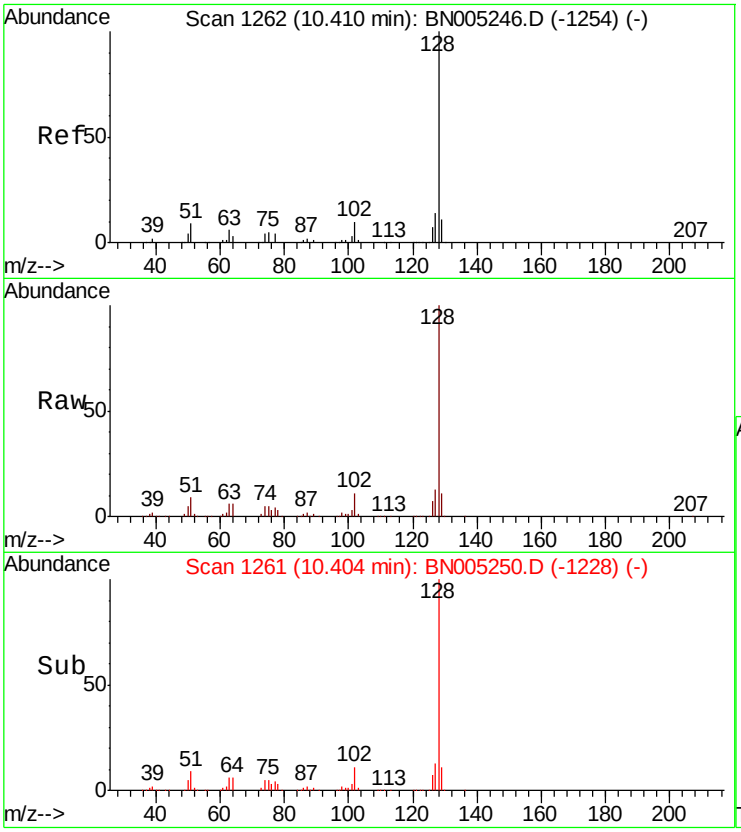


#27
2,4-Dichlorophenol
Concen: 20.787 ng/ul
RT: 10.01 min Scan# 1194
Delta R.T. 0.00 min
Lab File: BN005250.D
Acq: 24 Apr 2019 14:40

Tgt Ion:162 Resp: 518981

Ion	Ratio	Lower	Upper
162	100		
164	67.7	52.6	79.0
98	37.1	30.8	46.2



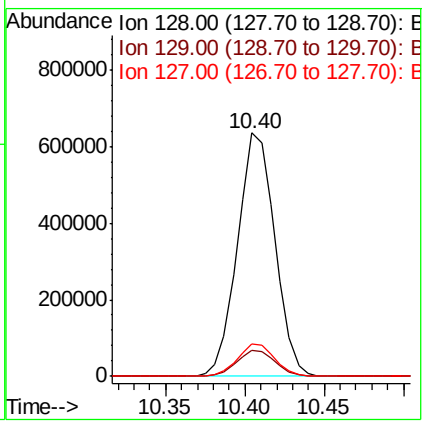


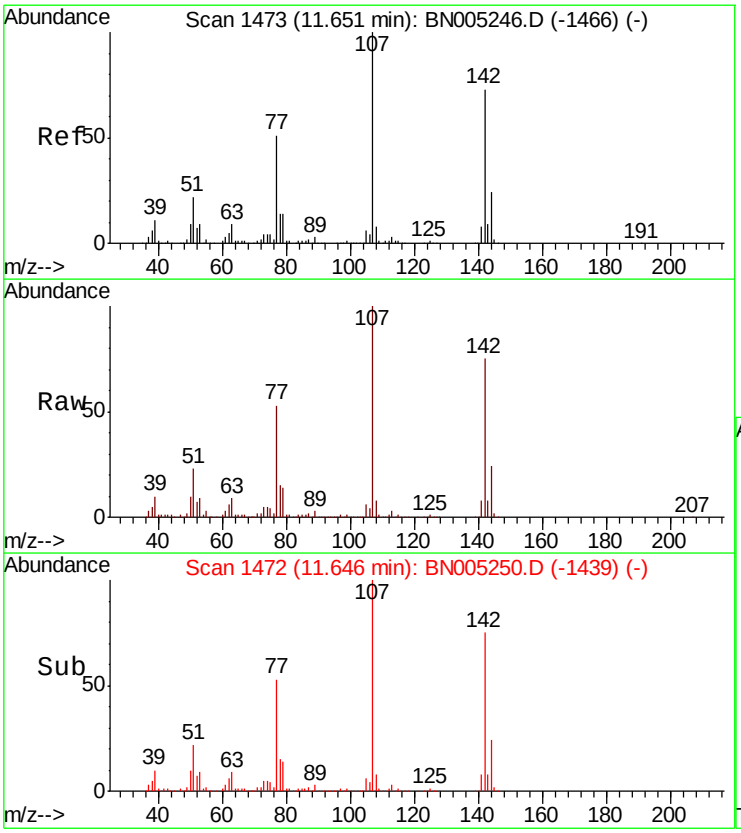
#28
Naphthalene
Concen: 12.682 ng/ul
RT: 10.40 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BN005250.D
Acq: 24 Apr 2019 14:40

Instrument :
BNA_N
ClientSampleId :
A5111

Tgt Ion:128 Resp: 1042805

Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.2	13.8
127	13.1	10.7	16.1

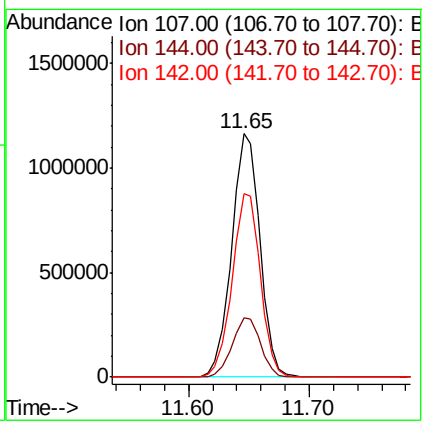


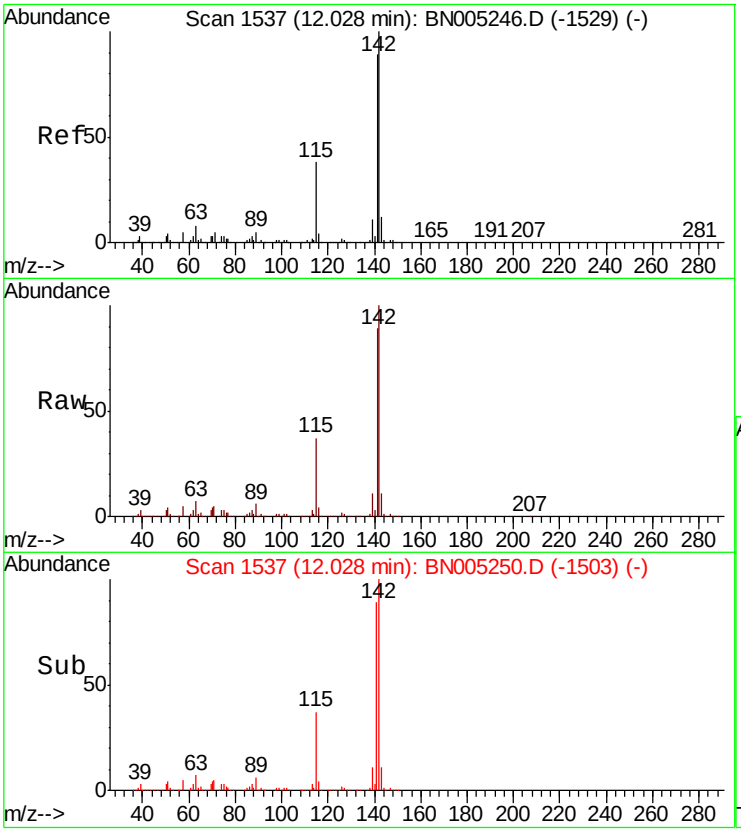


#33
4-Chloro-3-methylphenol
Concen: 67.679 ng/ul
RT: 11.65 min Scan# 1472
Delta R.T. -0.01 min
Lab File: BN005250.D
Acq: 24 Apr 2019 14:40

Tgt Ion:107 Resp: 1902633

Ion	Ratio	Lower	Upper
107	100		
144	24.3	19.4	29.0
142	75.2	57.7	86.5



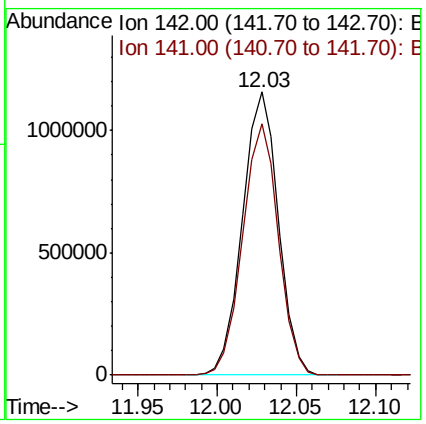


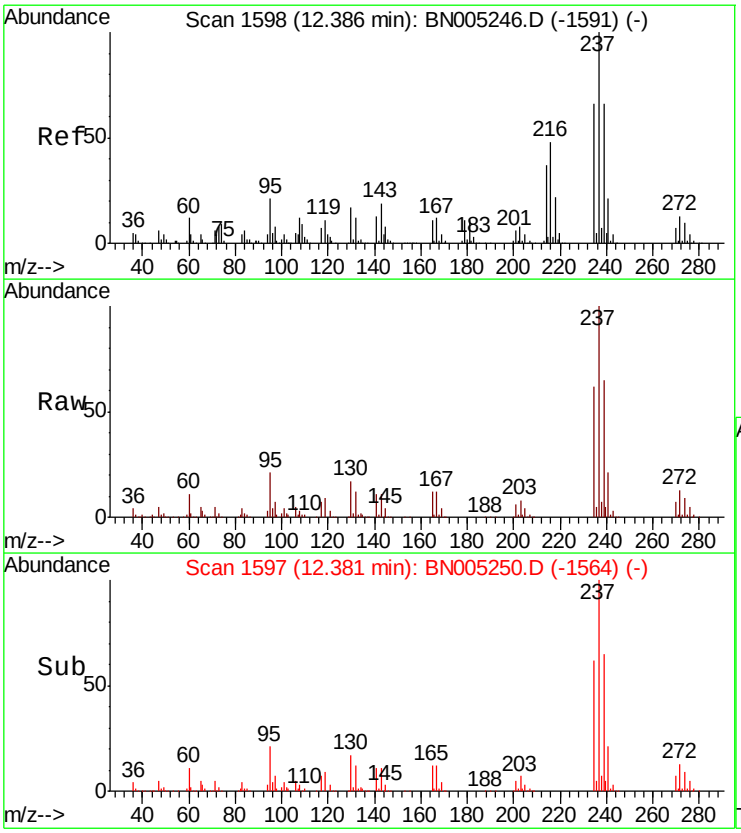
#34
2-Methylnaphthalene
Concen: 30.192 ng/ul
RT: 12.03 min Scan# 1537
Delta R.T. 0.00 min
Lab File: BN005250.D
Acq: 24 Apr 2019 14:40

Instrument :
BNA_N
ClientSampleId :
A5111

Tgt Ion:142 Resp: 1817760

Ion	Ratio	Lower	Upper
142	100		
141	88.7	72.0	108.0

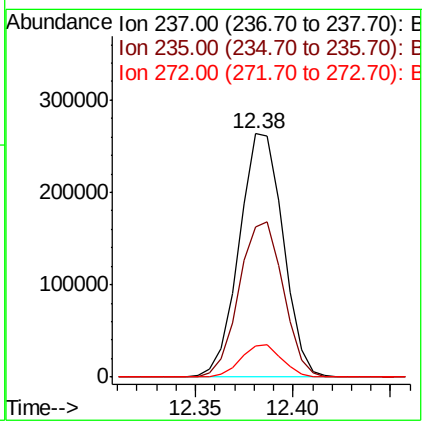


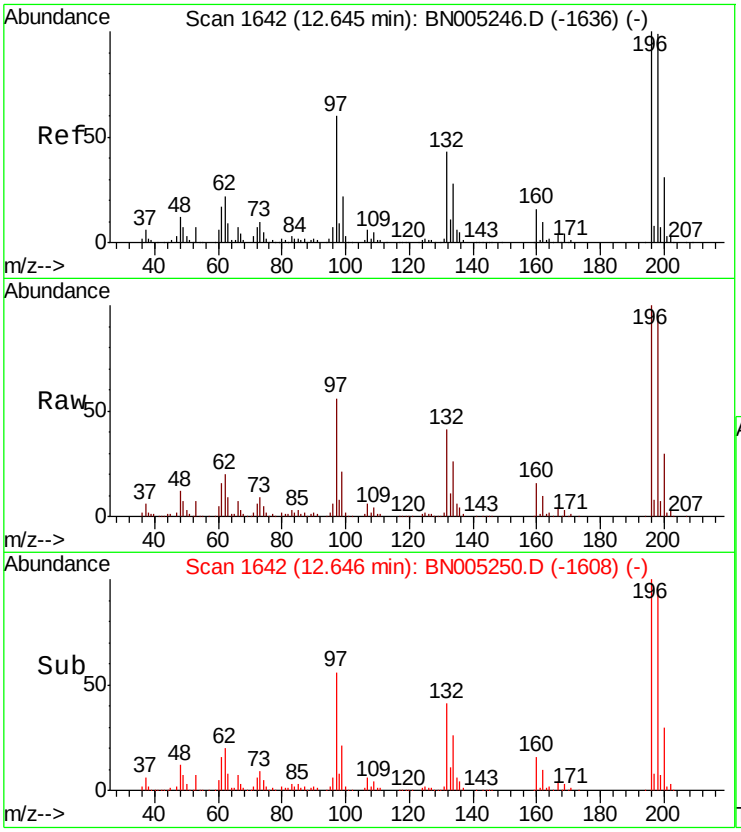


#37
Hexachlorocyclopentadiene
Concen: 18.124 ng/ul
RT: 12.38 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BN005250.D
Acq: 24 Apr 2019 14:40

Tgt Ion:237 Resp: 411037

Ion	Ratio	Lower	Upper
237	100		
235	61.6	51.1	76.7
272	12.8	9.5	14.3



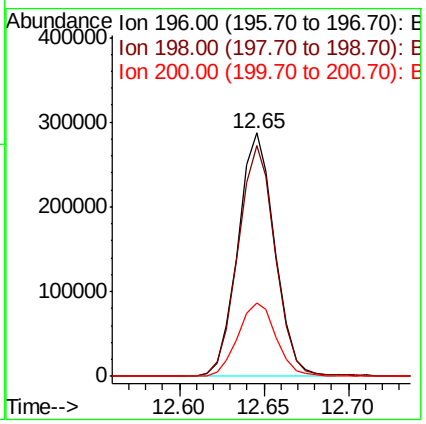


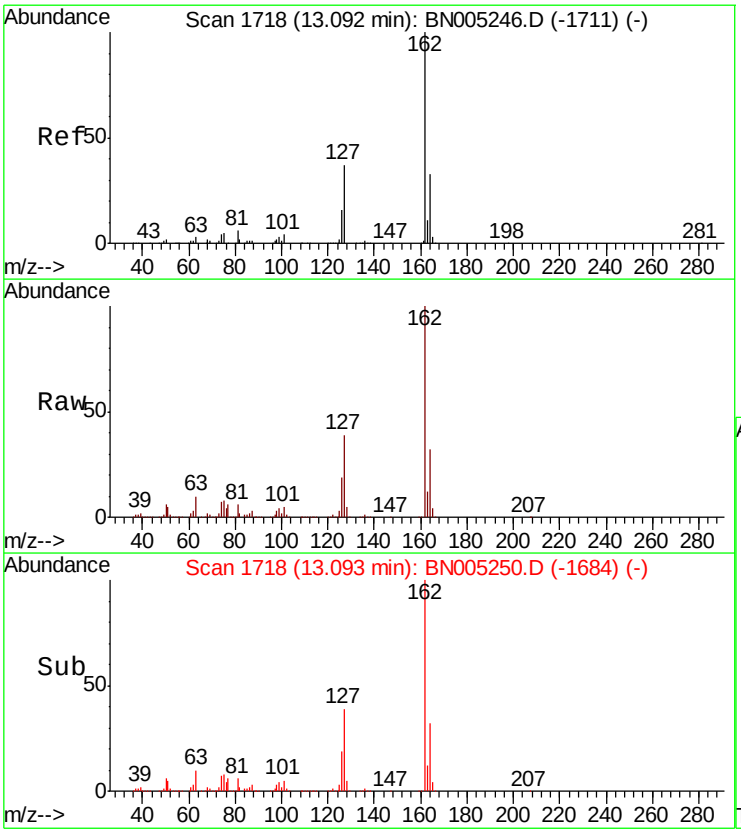
#38
2,4,6-Trichlorophenol
Concen: 21.719 ng/ul
RT: 12.65 min Scan# 1642
Delta R.T. 0.00 min
Lab File: BN005250.D
Acq: 24 Apr 2019 14:40

Instrument :
BNA_N
ClientSampleId :
A5111

Tgt Ion:196 Resp: 435637

Ion	Ratio	Lower	Upper
196	100		
198	94.7	74.8	112.2
200	30.0	23.5	35.3

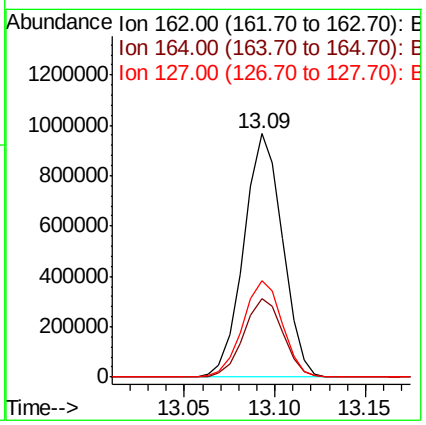


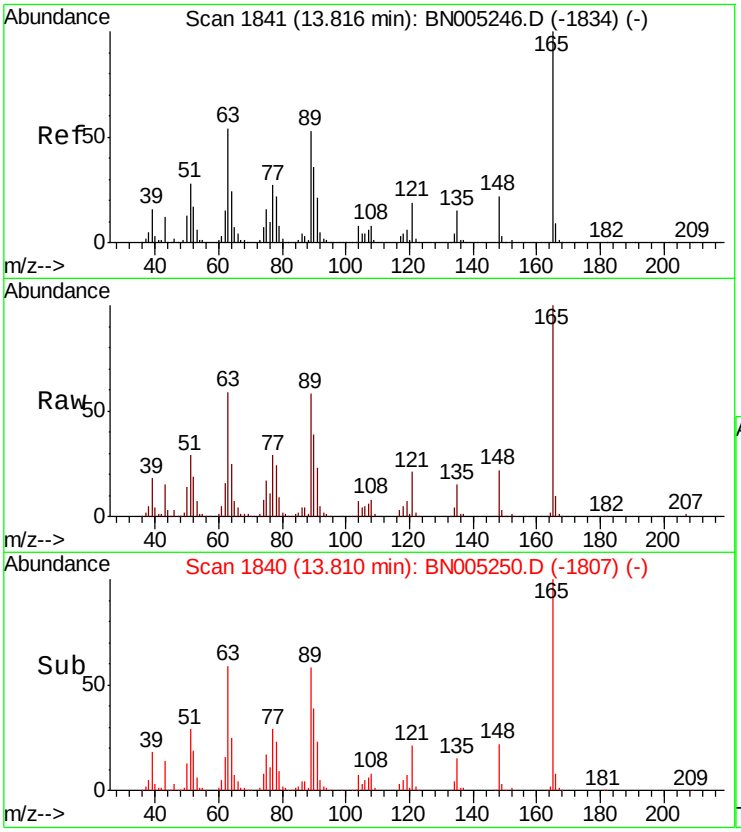


#41
2-Chloronaphthalene
Concen: 23.333 ng/ul
RT: 13.09 min Scan# 1718
Delta R.T. 0.00 min
Lab File: BN005250.D
Acq: 24 Apr 2019 14:40

Tgt Ion:162 Resp: 1437178

Ion	Ratio	Lower	Upper
162	100		
164	32.4	26.8	40.2
127	39.4	33.5	50.3



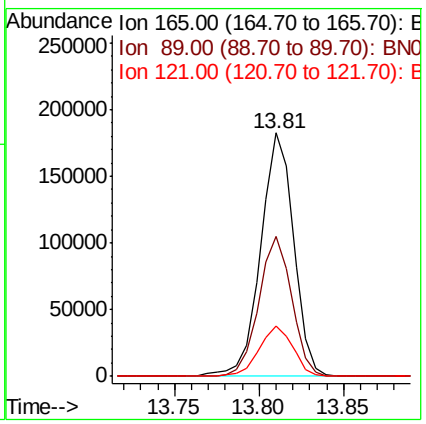


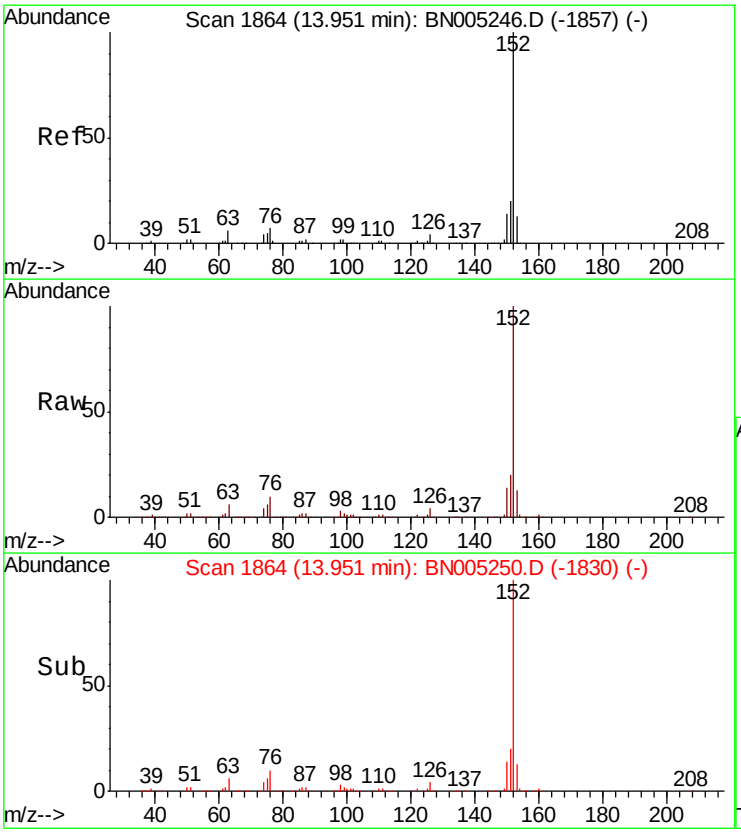
#45
2,6-Dinitrotoluene
Concen: 18.479 ng/ul
RT: 13.81 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BN005250.D
Acq: 24 Apr 2019 14:40

Instrument :
BNA_N
ClientSampleId :
A5111

Tgt Ion:165 Resp: 248059

Ion	Ratio	Lower	Upper
165	100		
89	57.5	50.2	75.2
121	20.9	19.4	29.2

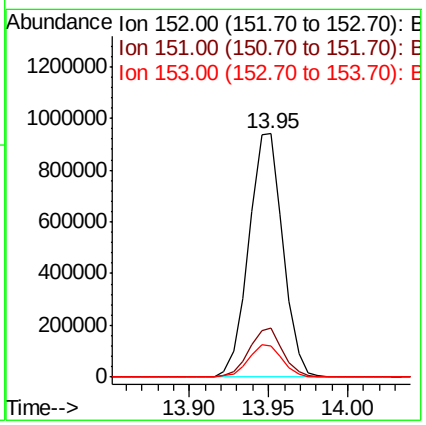


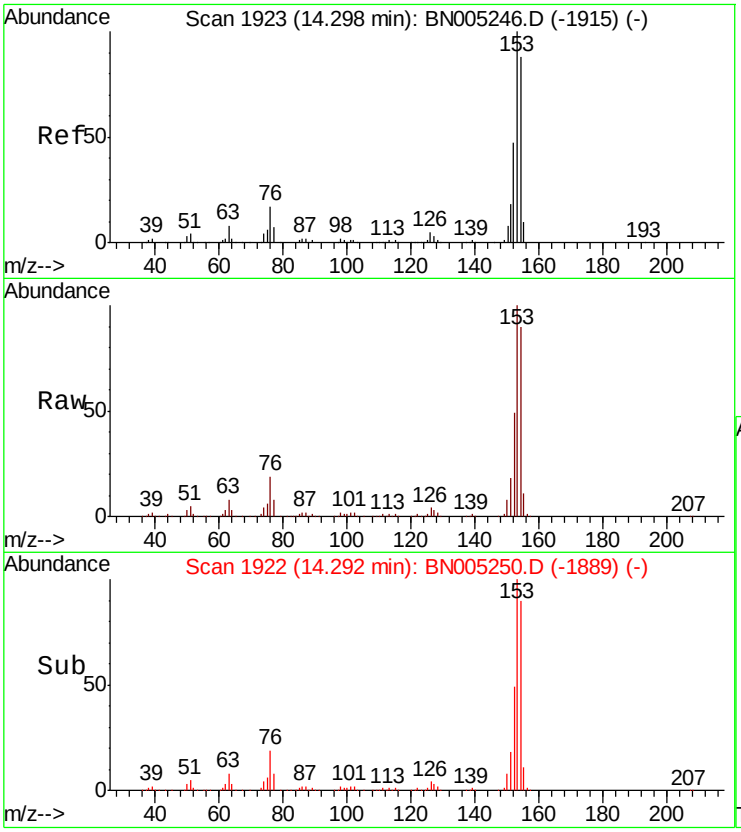


#47
Acenaphthylene
Concen: 14.947 ng/ul
RT: 13.95 min Scan# 1864
Delta R.T. 0.00 min
Lab File: BN005250.D
Acq: 24 Apr 2019 14:40

Tgt Ion:152 Resp: 1407643

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.8	23.8
153	12.8	9.8	14.8



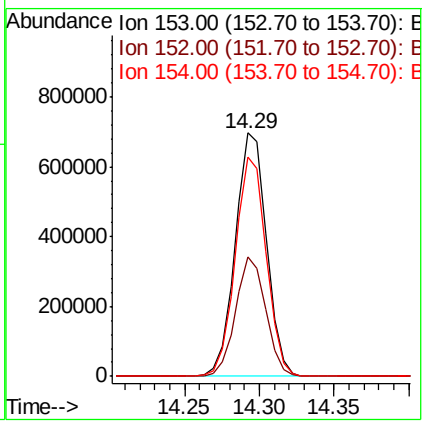


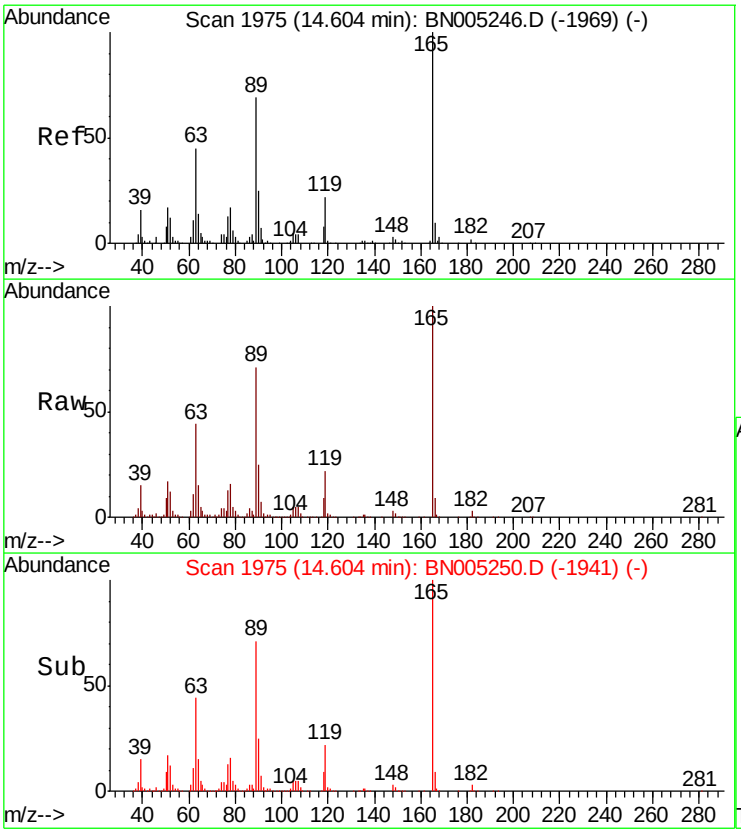
#49
Acenaphthene
Concen: 15.730 ng/ul
RT: 14.29 min Scan# 1922
Delta R.T. -0.01 min
Lab File: BN005250.D
Acq: 24 Apr 2019 14:40

Instrument :
BNA_N
ClientSampleId :
A5111

Tgt Ion:153 Resp: 1011315

Ion	Ratio	Lower	Upper
153	100		
152	49.0	37.4	56.0
154	90.3	71.2	106.8

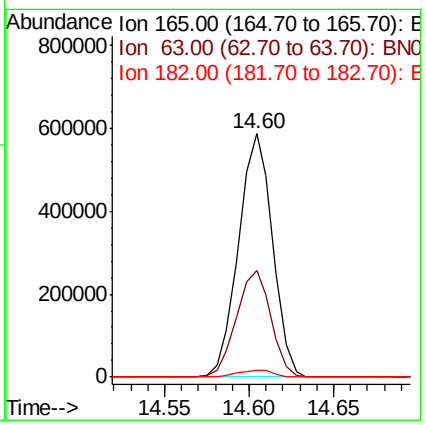


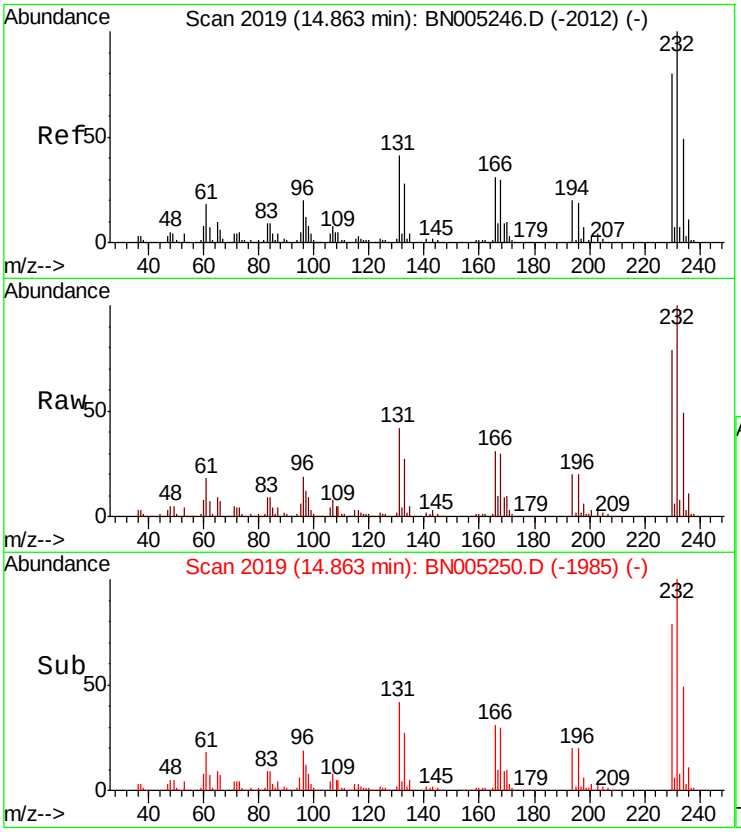


#54
2,4-Dinitrotoluene
Concen: 42.623 ng/ul
RT: 14.60 min Scan# 1975
Delta R.T. 0.00 min
Lab File: BN005250.D
Acq: 24 Apr 2019 14:40

Tgt Ion:165 Resp: 824846

Ion	Ratio	Lower	Upper
165	100		
63	43.6	38.9	58.3
182	2.9	2.6	3.8



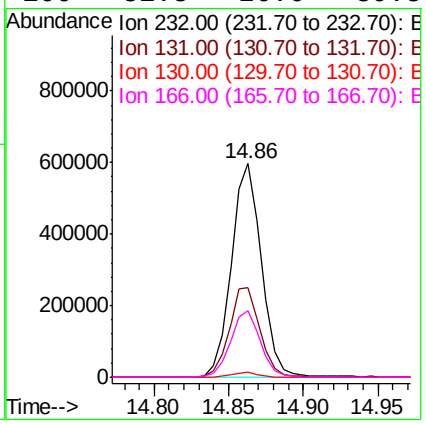


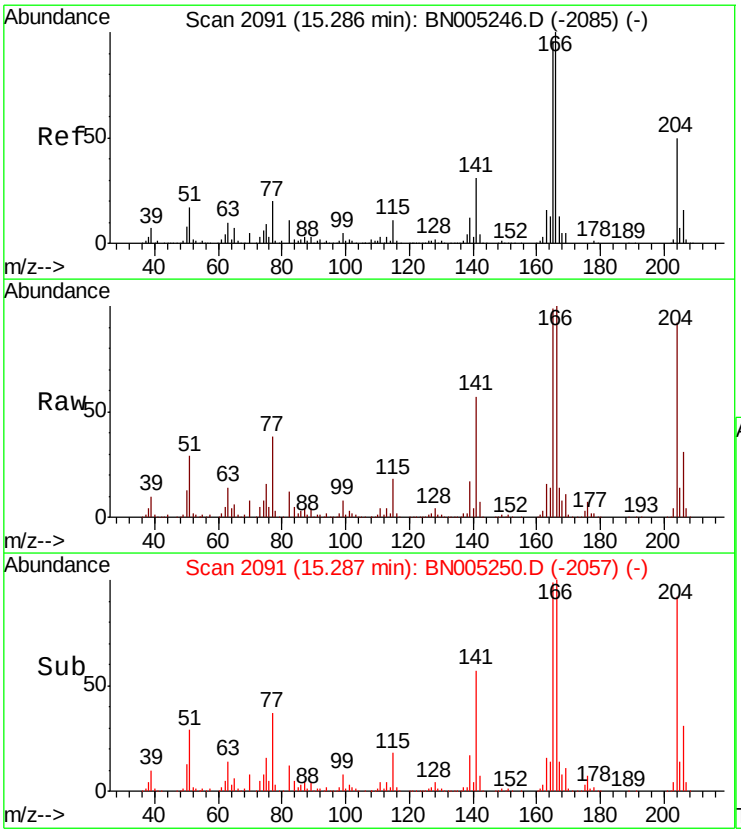
#55
2,3,4,6-Tetrachlorophenol
Concen: 46.600 ng/ul
RT: 14.86 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BN005250.D
Acq: 24 Apr 2019 14:40

Instrument :
BNA_N
ClientSampleId :
A5111

Tgt Ion:232 Resp: 835556

Ion	Ratio	Lower	Upper
232	100		
131	41.7	36.6	54.8
130	2.1	2.0	3.0
166	31.3	26.6	39.8

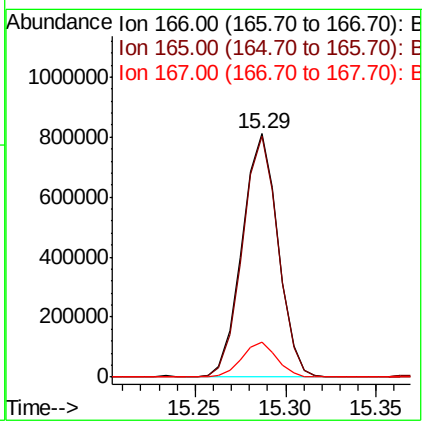


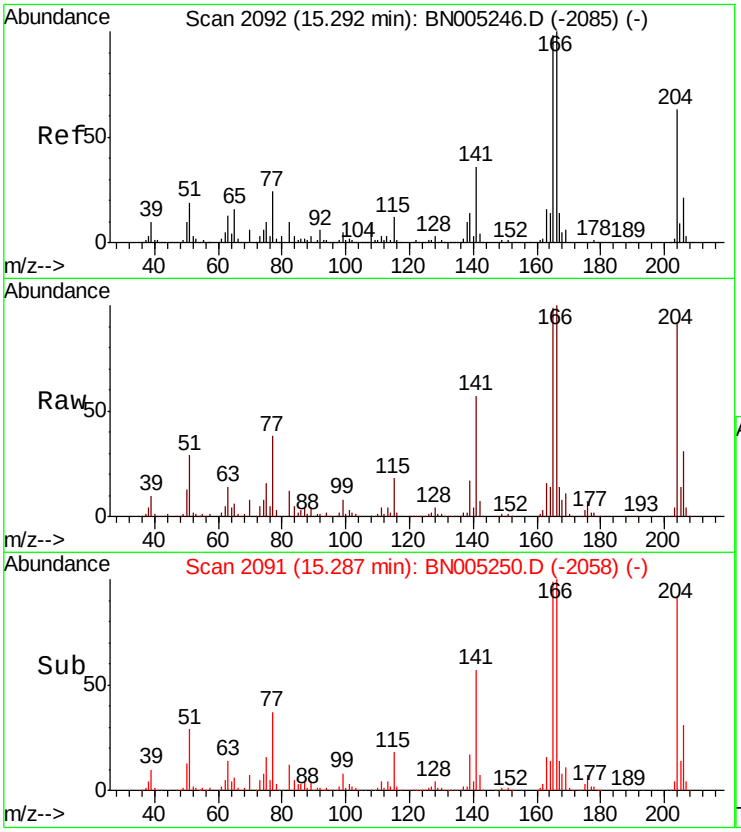


#58
Fluorene
Concen: 15.461 ng/ul
RT: 15.29 min Scan# 2091
Delta R.T. 0.00 min
Lab File: BN005250.D
Acq: 24 Apr 2019 14:40

Tgt Ion:166 Resp: 1116784

Ion	Ratio	Lower	Upper
166	100		
165	98.9	80.0	120.0
167	14.2	10.7	16.1



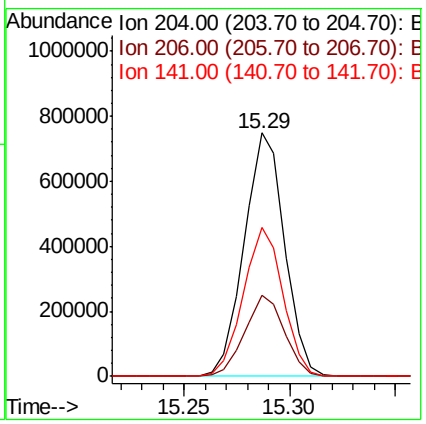


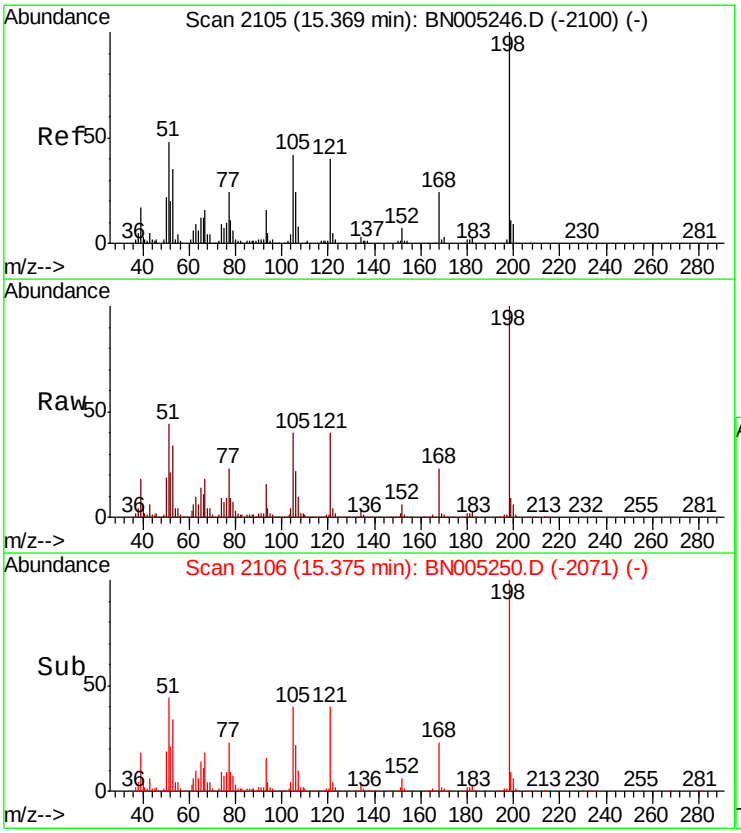
#59
4-Chlorophenyl-phenylether
Concen: 25.977 ng/ul
RT: 15.29 min Scan# 2091
Delta R.T. -0.01 min
Lab File: BN005250.D
Acq: 24 Apr 2019 14:40

Instrument :
BNA_N
ClientSampleId :
A5111

Tgt Ion:204 Resp: 995377

Ion	Ratio	Lower	Upper
204	100		
206	33.3	26.9	40.3
141	61.3	47.9	71.9

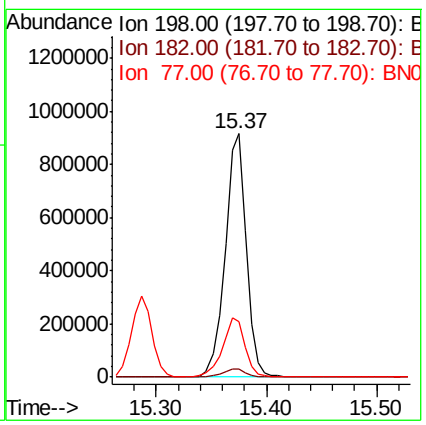


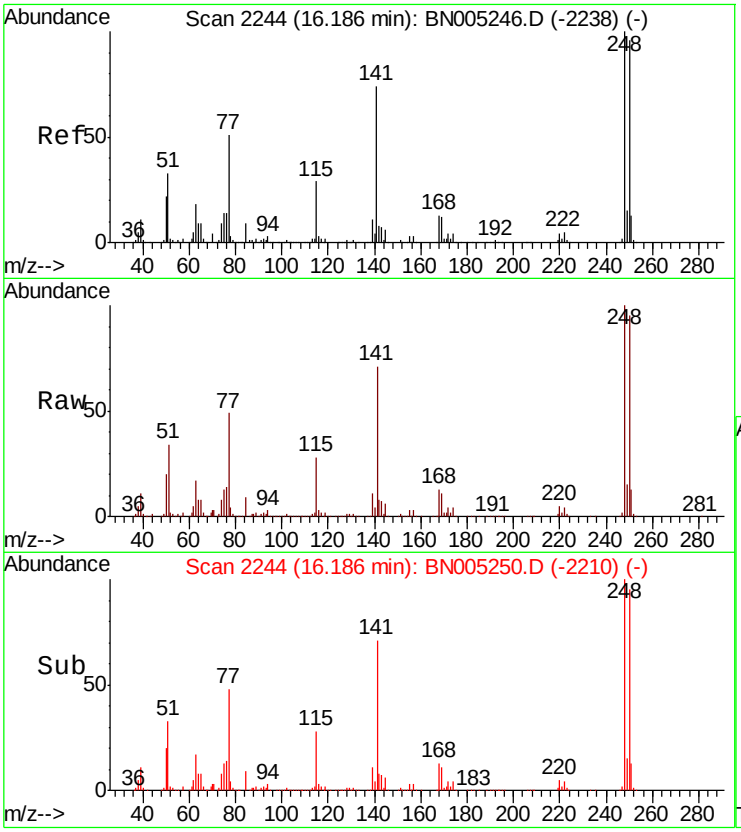


#63
4,6-Dinitro-2-methylphenol
Concen: 105.411 ng/ul
RT: 15.37 min Scan# 2106
Delta R.T. 0.01 min
Lab File: BN005250.D
Acq: 24 Apr 2019 14:40

Tgt Ion:198 Resp: 1222631

Ion	Ratio	Lower	Upper
198	100		
182	3.3	3.0	4.6
77	22.6	21.9	32.9



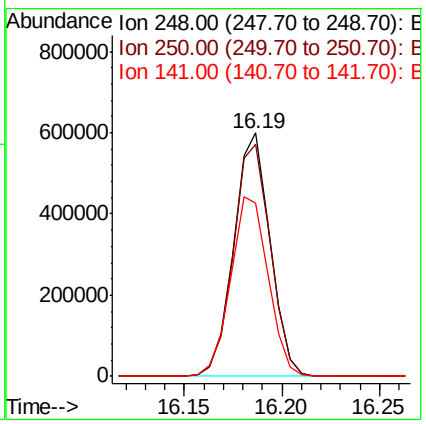


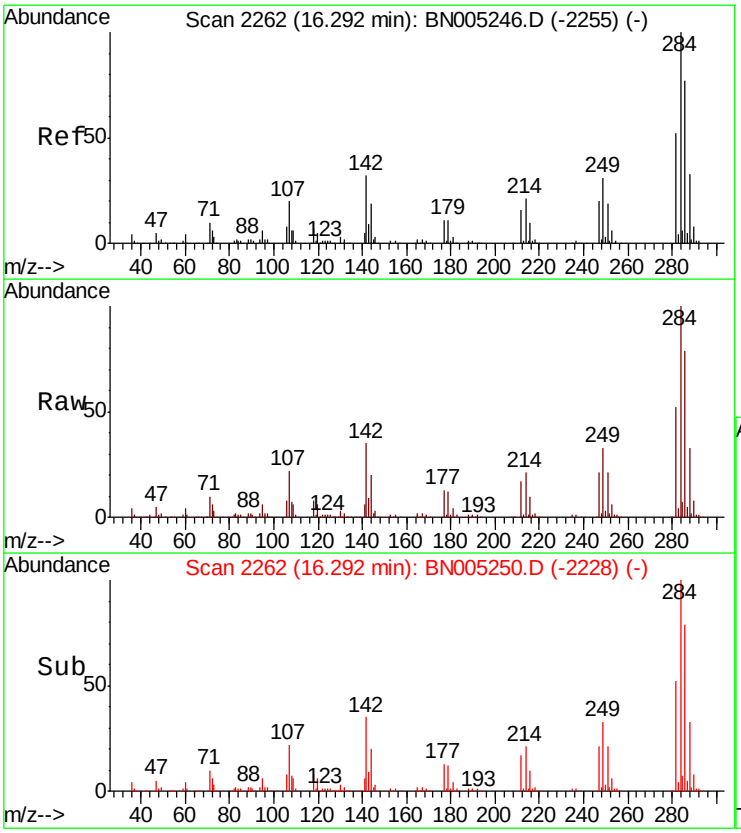
#65
4-Bromophenyl-phenylether
Concen: 31.640 ng/ul
RT: 16.19 min Scan# 2244
Delta R.T. 0.00 min
Lab File: BN005250.D
Acq: 24 Apr 2019 14:40

Instrument :
BNA_N
ClientSampleId :
A5111

Tgt Ion:248 Resp: 772354

Ion	Ratio	Lower	Upper
248	100		
250	95.3	78.4	117.6
141	71.0	61.8	92.6

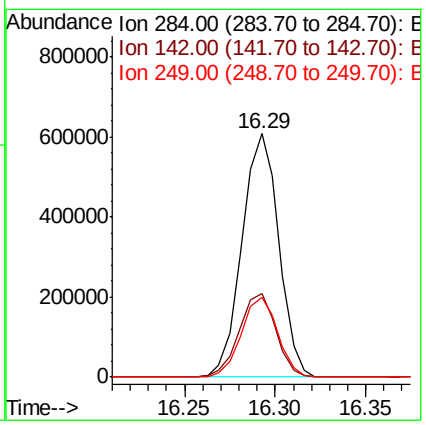


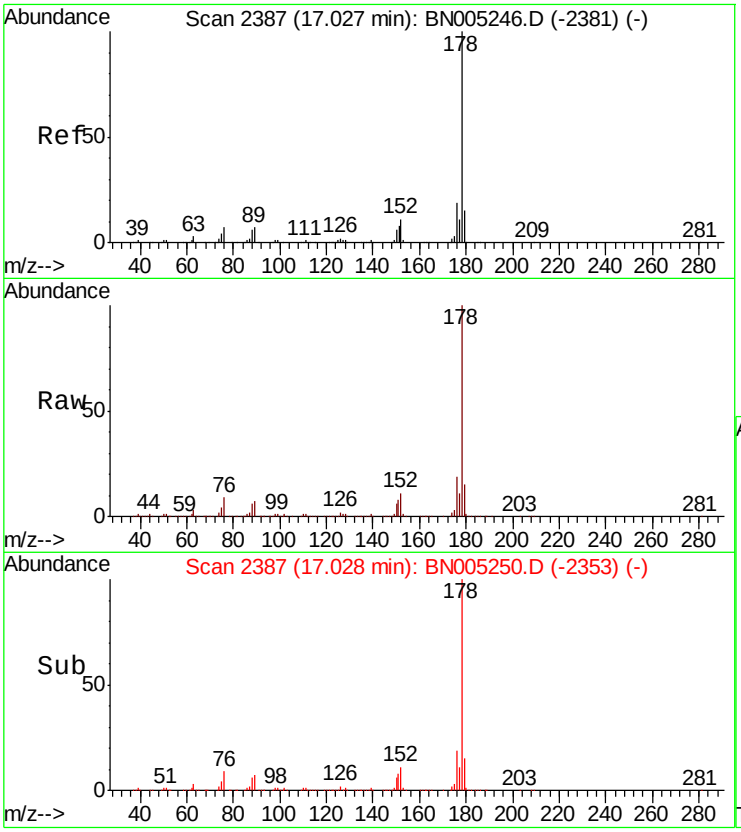


#66
Hexachlorobenzene
Concen: 32.956 ng/ul
RT: 16.29 min Scan# 2262
Delta R.T. 0.00 min
Lab File: BN005250.D
Acq: 24 Apr 2019 14:40

Tgt Ion:284 Resp: 856629

Ion	Ratio	Lower	Upper
284	100		
142	34.5	29.4	44.2
249	32.9	26.1	39.1



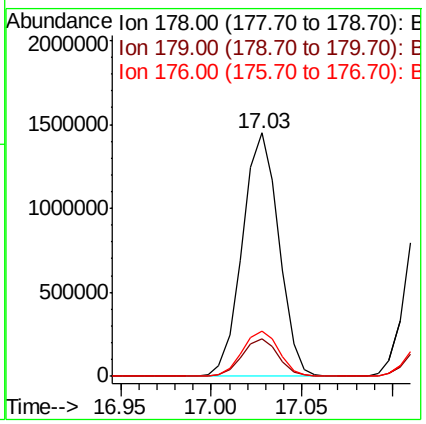


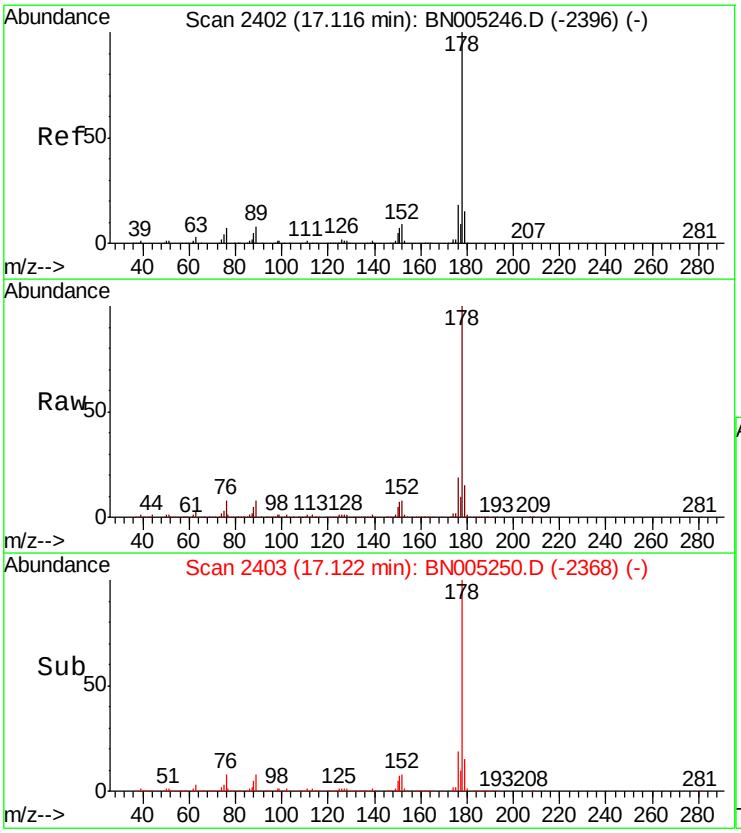
#69
Phenanthrene
Concen: 17.101 ng/ul
RT: 17.03 min Scan# 2387
Delta R.T. 0.00 min
Lab File: BN005250.D
Acq: 24 Apr 2019 14:40

Instrument :
BNA_N
ClientSampleId :
A5111

Tgt Ion:178 Resp: 2018027

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.2	18.4
176	18.7	15.1	22.7

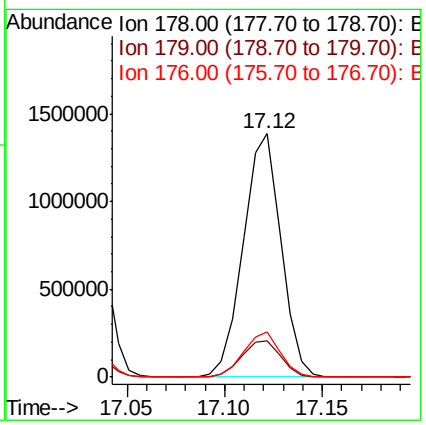


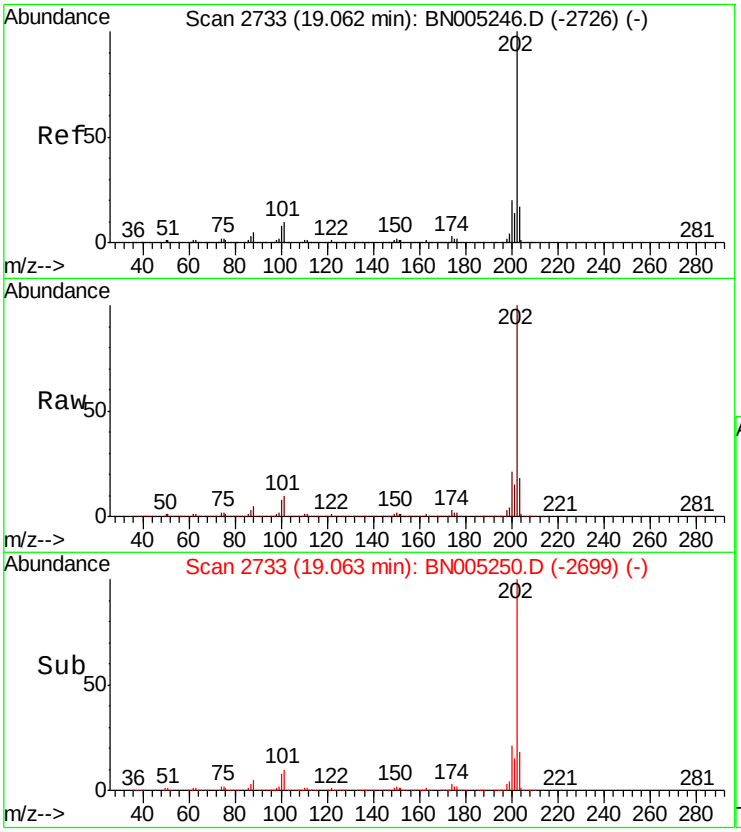


#71
Anthracene
Concen: 15.387 ng/ul
RT: 17.12 min Scan# 2403
Delta R.T. 0.01 min
Lab File: BN005250.D
Acq: 24 Apr 2019 14:40

Tgt Ion:178 Resp: 1849734

Ion	Ratio	Lower	Upper
178	100		
179	14.9	12.3	18.5
176	18.6	15.1	22.7



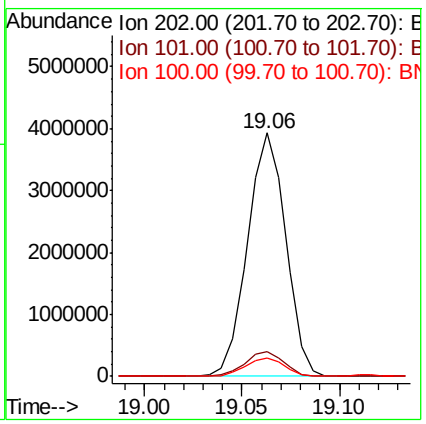


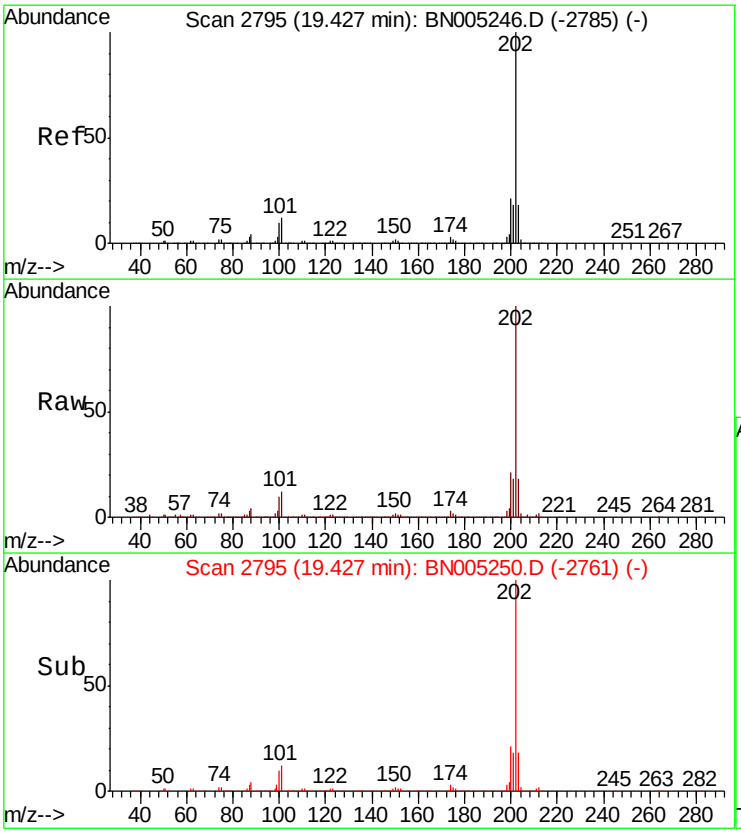
#76
Fluoranthene
Concen: 40.689 ng/ul
RT: 19.06 min Scan# 2733
Delta R.T. 0.00 min
Lab File: BN005250.D
Acq: 24 Apr 2019 14:40

Instrument :
BNA_N
ClientSampleId :
A5111

Tgt Ion:202 Resp: 5325859

Ion	Ratio	Lower	Upper
202	100		
101	10.0	8.6	12.8
100	7.8	6.3	9.5

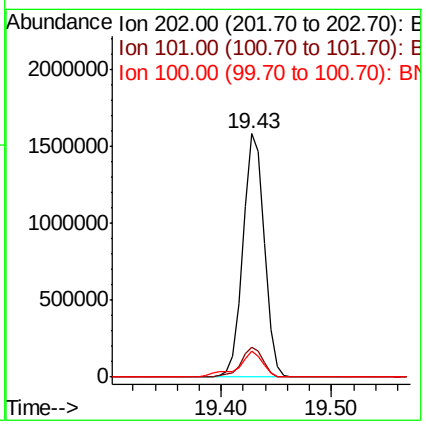


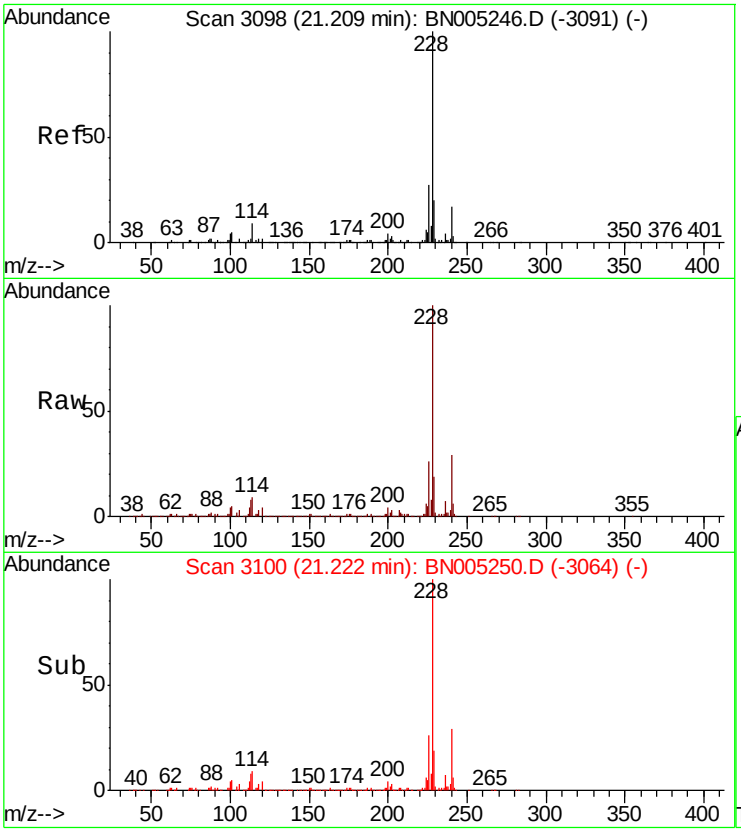


#79
Pyrene
Concen: 18.939 ng/ul
RT: 19.43 min Scan# 2795
Delta R.T. 0.00 min
Lab File: BN005250.D
Acq: 24 Apr 2019 14:40

Tgt Ion:202 Resp: 2156058

Ion	Ratio	Lower	Upper
202	100		
101	12.3	10.3	15.5
100	10.5	7.9	11.9



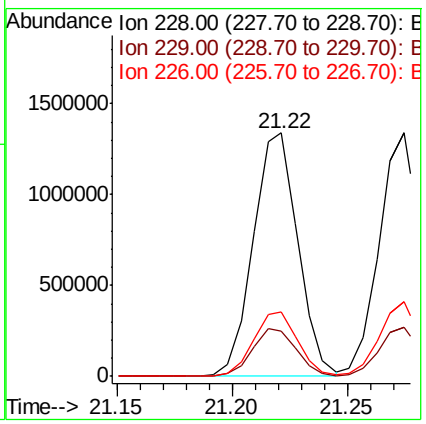


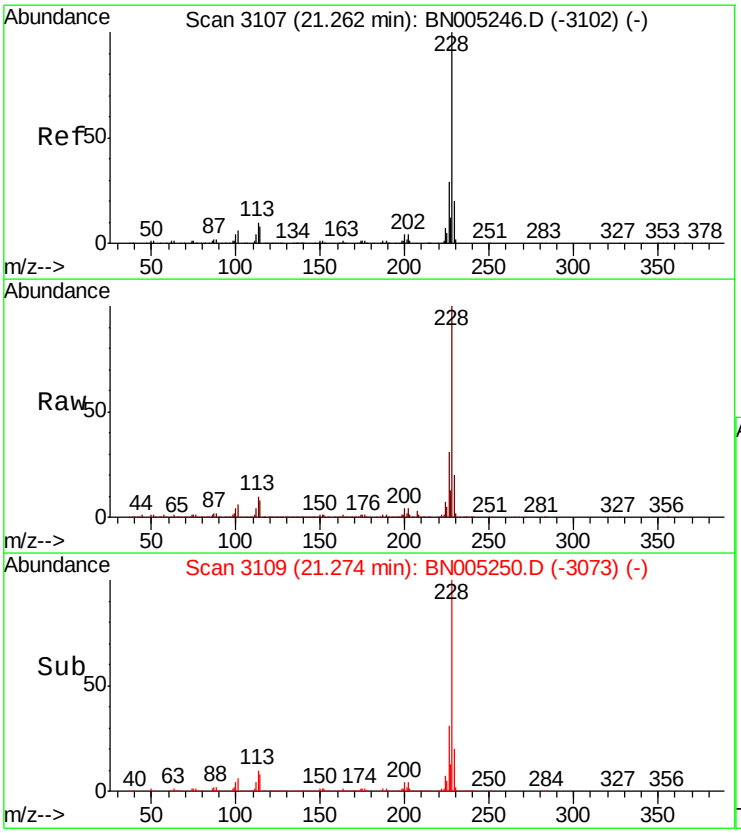
#82
Benzo(a)anthracene
Concen: 16.328 ng/ul
RT: 21.22 min Scan# 3100
Delta R.T. 0.01 min
Lab File: BN005250.D
Acq: 24 Apr 2019 14:40

Instrument :
BNA_N
ClientSampleId :
A5111

Tgt Ion:228 Resp: 1795949

Ion	Ratio	Lower	Upper
228	100		
229	18.5	15.8	23.6
226	26.2	21.4	32.2

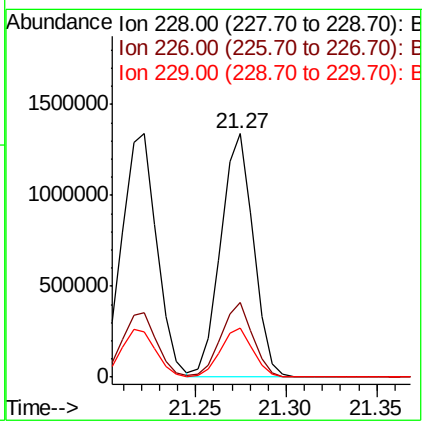


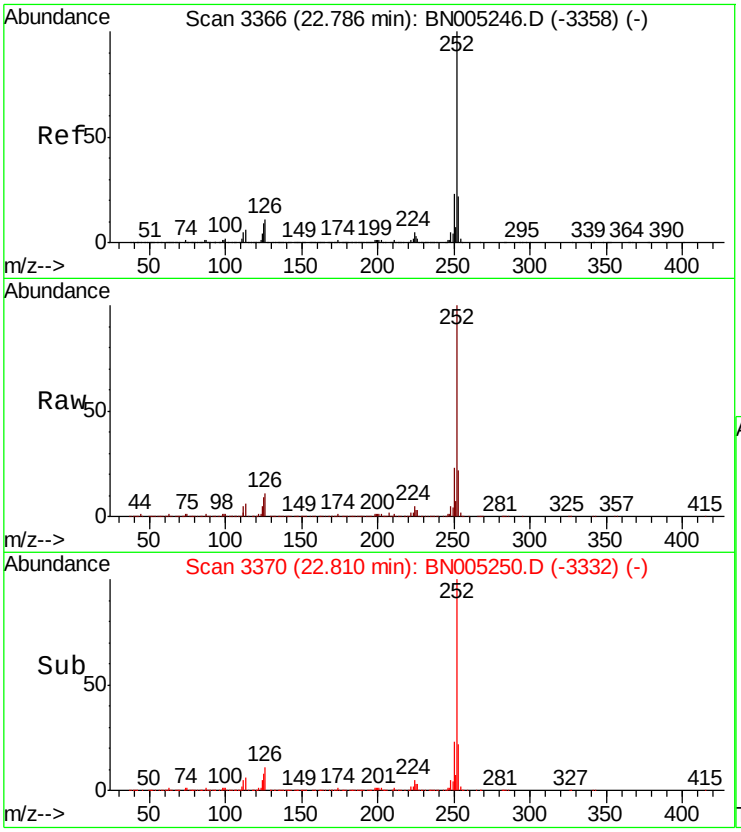


#84
Chrysene
Concen: 16.392 ng/ul
RT: 21.27 min Scan# 3109
Delta R.T. 0.01 min
Lab File: BN005250.D
Acq: 24 Apr 2019 14:40

Tgt Ion:228 Resp: 1673376

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.0	36.0
229	20.0	15.4	23.0



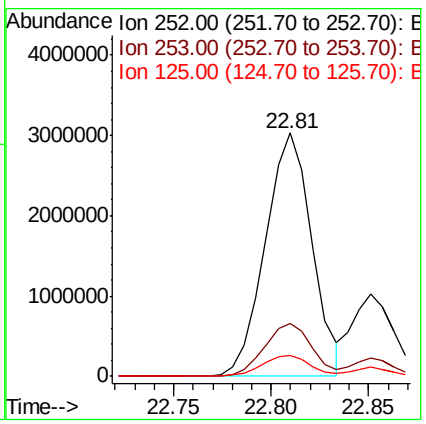


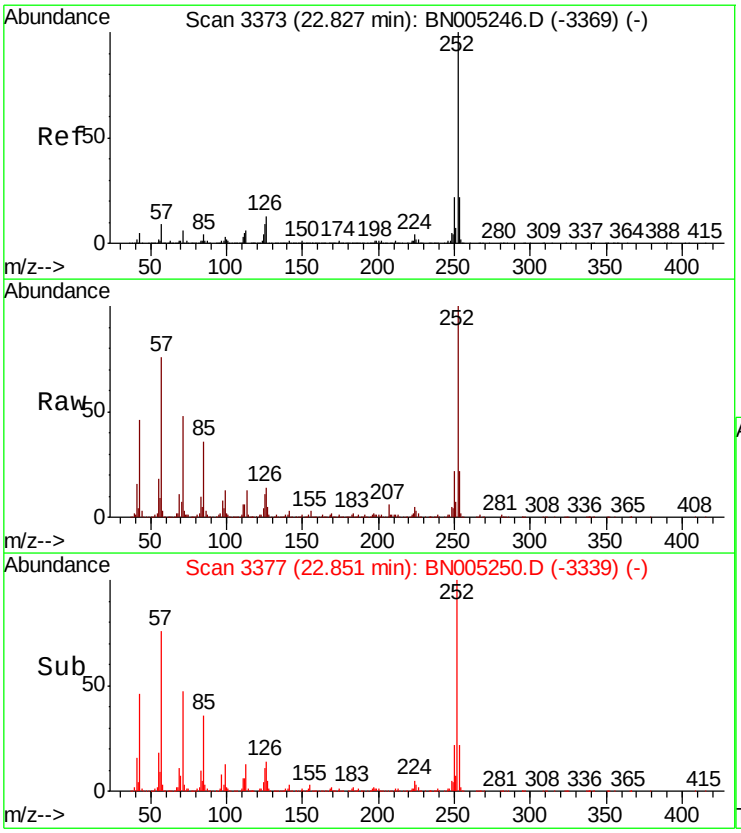
#87
Benzo(b)fluoranthene
Concen: 51.583 ng/ul
RT: 22.81 min Scan# 3370
Delta R.T. 0.02 min
Lab File: BN005250.D
Acq: 24 Apr 2019 14:40

Instrument :
BNA_N
ClientSampleId :
A5111

Tgt Ion:252 Resp: 5024475

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.7	26.5
125	8.5	8.4	12.6

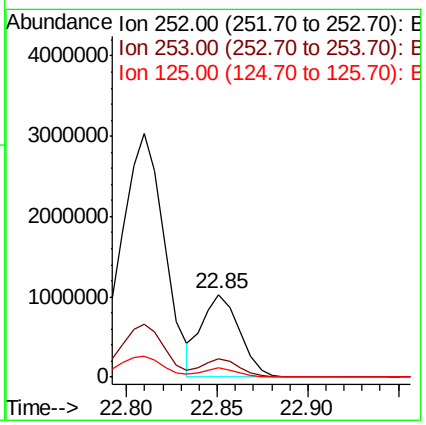


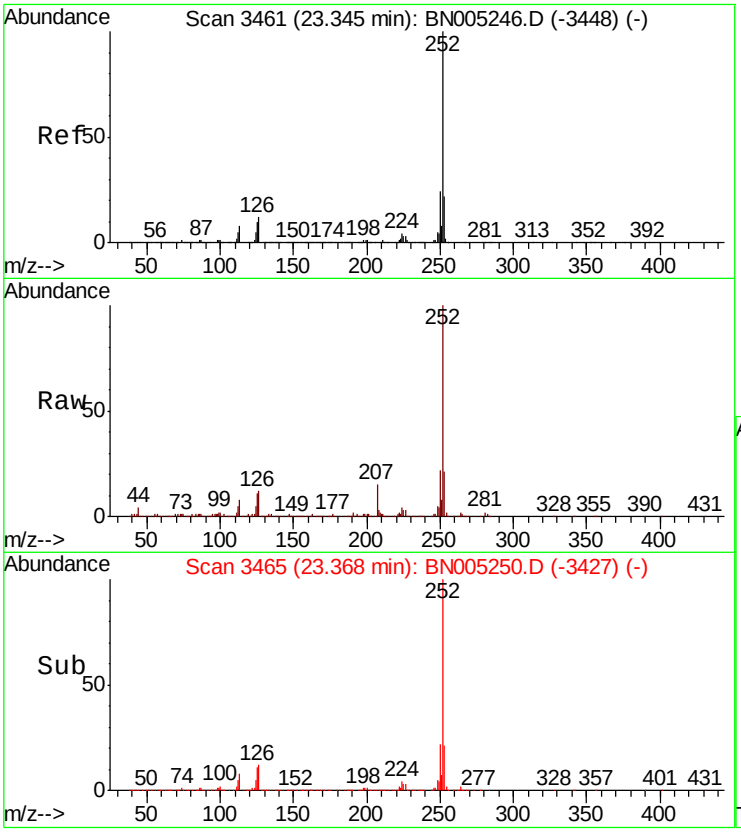


#88
Benzo(k)fluoranthene
Concen: 16.074 ng/ul
RT: 22.85 min Scan# 3377
Delta R.T. 0.02 min
Lab File: BN005250.D
Acq: 24 Apr 2019 14:40

Tgt Ion:252 Resp: 1495365

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.0
125	10.6	7.5	11.3



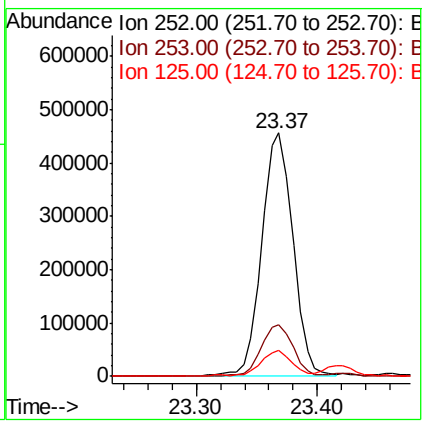


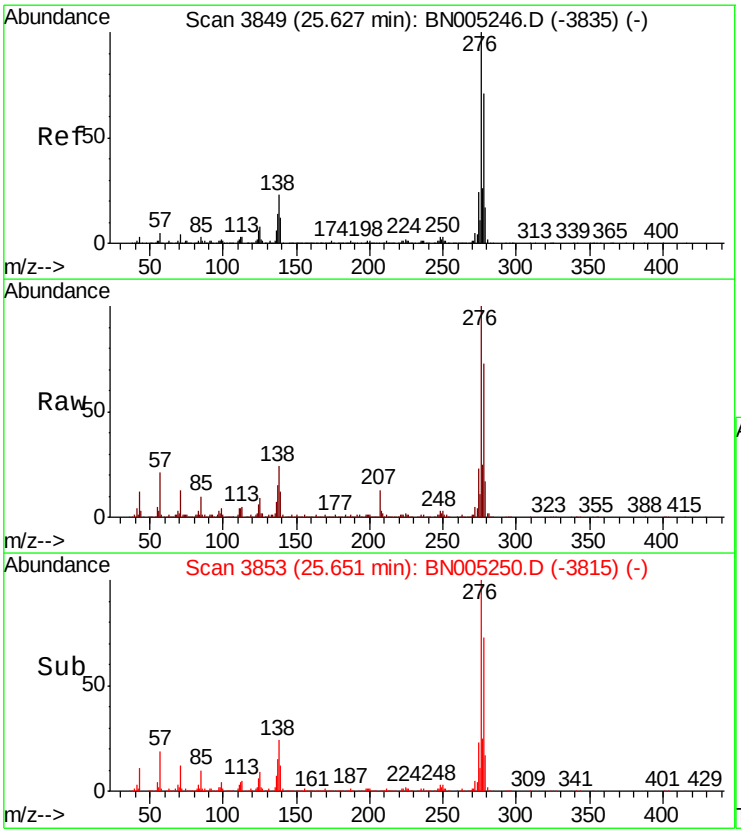
#90
Benzo(a)pyrene
Concen: 8.877 ng/ul
RT: 23.37 min Scan# 3465
Delta R.T. 0.02 min
Lab File: BN005250.D
Acq: 24 Apr 2019 14:40

Instrument :
BNA_N
ClientSampleId :
A5111

Tgt Ion:252 Resp: 812765

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.3	25.9
125	10.9	8.6	13.0

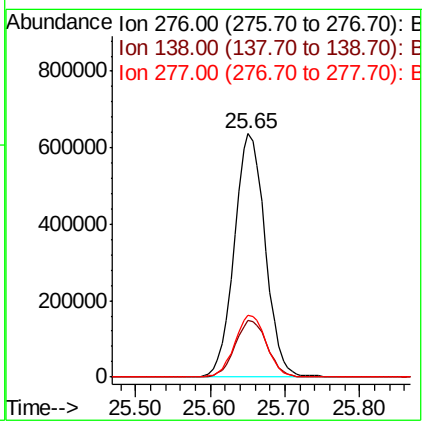


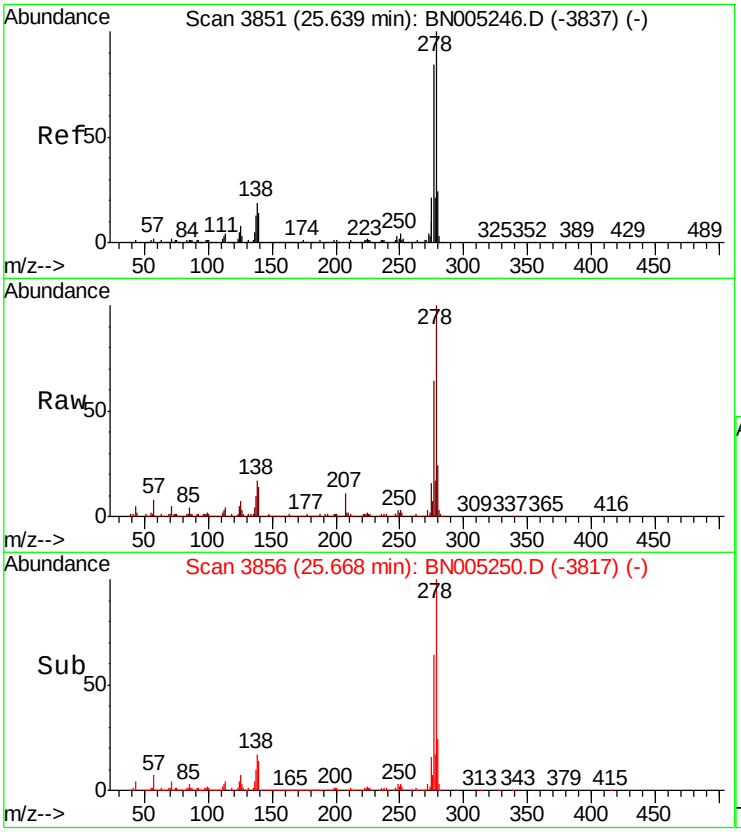


#91
Indeno(1,2,3-cd)pyrene
Concen: 18.079 ng/ul
RT: 25.65 min Scan# 3853
Delta R.T. 0.02 min
Lab File: BN005250.D
Acq: 24 Apr 2019 14:40

Tgt Ion:276 Resp: 1830084

Ion	Ratio	Lower	Upper
276	100		
138	23.5	17.9	26.9
277	25.4	19.7	29.5



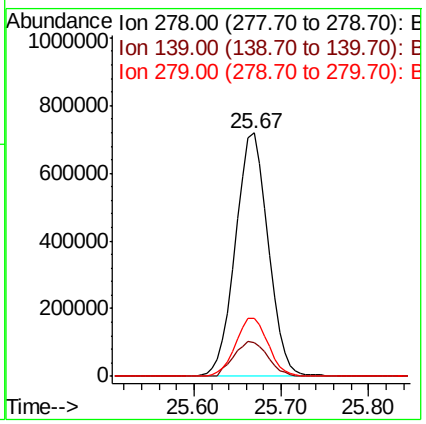


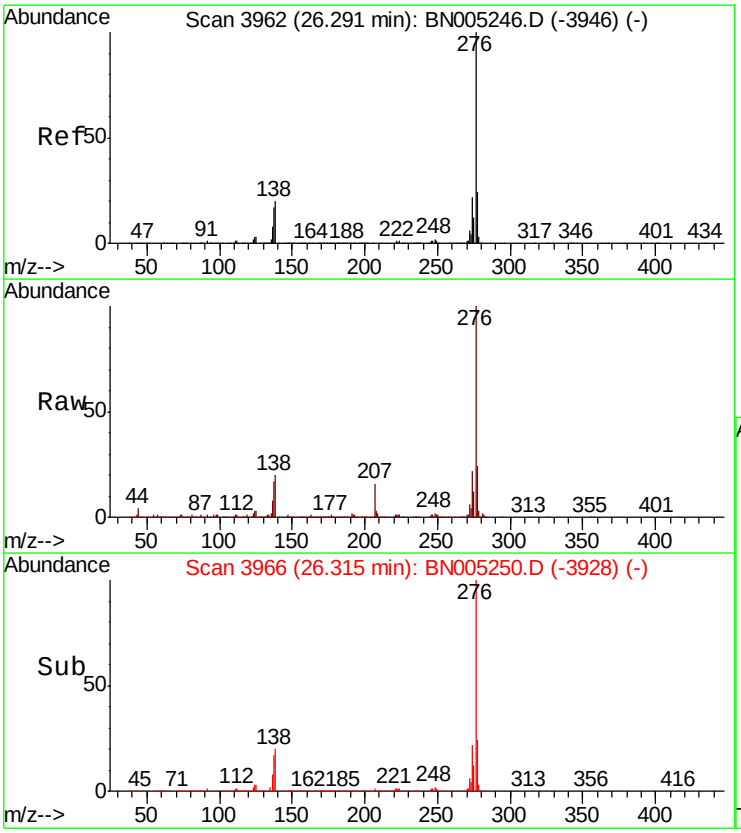
#92
Dibenzo(a,h)anthracene
Concen: 21.270 ng/ul
RT: 25.67 min Scan# 3856
Delta R.T. 0.03 min
Lab File: BN005250.D
Acq: 24 Apr 2019 14:40

Instrument :
BNA_N
ClientSampleId :
A5111

Tgt Ion:278 Resp: 1827267

Ion	Ratio	Lower	Upper
278	100		
139	14.1	13.1	19.7
279	24.0	19.4	29.0





#93
Benzo(g,h,i)perylene
Concen: 19.210 ng/ul
RT: 26.32 min Scan# 3966
Delta R.T. 0.02 min
Lab File: BN005250.D
Acq: 24 Apr 2019 14:40

Tgt Ion:276 Resp: 1607843

Ion	Ratio	Lower	Upper
276	100		
138	19.8	16.7	25.1
277	23.8	18.2	27.2