Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN072318\
Data File : BN002103.D
Acq On : 23 Jul 2018 13:05
Operator : JU/SJ
Sample : J4038-14
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DB1J2

Quant Time: Jul 24 12:24:17 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN071318MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Jul 24 01:41:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	234956	20.00	ng/ul	0.00
18) Naphthalene-d8	10.47	136	1092029	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.33	164	652672	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.08	188	1480543	20.00	ng/ul	0.00
77) Chrysene-d12	21.28	240	1452345	20.00	ng/ul	0.00
85) Perylene-d12	23.51	264	1299386	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.26	96	22662	4.35	ng/uL	0.00
5) Phenol-d5	6.88	99	650431	29.39	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.04	67	395026	29.30	ng/ul	0.00
9) 2-Chlorophenol-d4	7.24	132	511814	29.29	ng/ul	0.00
13) 4-Methylphenol-d8	8.40	113	465778	26.13	ng/ul	0.00
19) Nitrobenzene-d5	8.85	128	269683	29.81	ng/ul	0.00
22) 2-Nitrophenol-d4	9.56	143	301040	29.43	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	538676	29.09	ng/ul	0.00
29) 4-Chloroaniline-d4	10.61	131	605658	28.45	ng/ul	0.00
43) Dimethylphthalate-d6	13.75	166	1830116	33.08	ng/ul	0.00
46) Acenaphthylene-d8	14.02	160	2176910	31.63	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	309751	29.31	ng/ul	0.00
57) Fluorene-d10	15.33	176	1552728	32.64	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	269953	27.99	ng/ul	0.00
70) Anthracene-d10	17.18	188	2411353	33.40	ng/ul	0.00
78) Pyrene-d10	19.48	212	2614198	34.63	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.37	264	2420824	34.50	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.29	88	75999	14.540	ng/uL#	89
4) Benzaldehyde	6.85	77	364944	27.807	ng/ul	98
6) Phenol	6.91	94	1074653	48.365	ng/ul	94
8) Bis(2-Chloroethyl)ether	7.13	93	572944	33.816	ng/ul#	87
17) Hexachloroethane	8.76	117	353474	51.300	ng/ul	98
20) Nitrobenzene	8.89	77	394791	18.959	ng/ul	96
23) 2-Nitrophenol	9.60	139	377620	36.042	ng/ul	92
28) Naphthalene	10.52	128	2208070	38.273	ng/ul	100
34) 2-Methylnaphthalene	12.14	142	2221279	52.785	ng/ul	100
36) 1,2,4,5-Tetrachlorobenzene	12.51	216	416584	19.684	ng/ul	98
39) 2,4,5-Trichlorophenol	12.83	196	874463	56.906	ng/ul	99
40) 1,1'-Biphenyl	13.16	154	2057728	37.884	ng/ul	99
41) 2-Chloronaphthalene	13.20	162	1568601	37.140	ng/ul	96
47) Acenaphthylene	14.05	152	2261983	34.235	ng/ul	99
49) Acenaphthene	14.40	153	1387276	30.420	ng/ul	99
52) 4-Nitrophenol	14.56	109	197958	26.798	ng/ul#	87
53) Dibenzofuran	14.73	168	1025208	15.911	ng/ul	96
54) 2,4-Dinitrotoluene	14.70	165	414529	24.954	ng/ul#	88
56) Diethylphthalate	15.16	149	1120904	20.371	ng/ul	100
58) Fluorene	15.39	166	1883919	36.623	ng/ul	98
66) Hexachlorobenzene	16.39	284	279837	15.522	ng/ul	96
69) Phenanthrene	17.12	178	2511144	30.202	ng/ul	99
71) Anthracene	17.22	178	4270073	50.426	ng/ul	99

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Instrument : BNA_N
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Quant Title : SVOA CALIBRATION
QLast Update : Tue Jul 24 01:41:33 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) Fluoranthene	19.15	202	2770073	31.393	ng/ul	98
79) Pyrene	19.51	202	2492097	26.741	ng/ul	98
82) Benzo(a)anthracene	21.26	228	2098888	22.689	ng/ul	99
84) Chrysene	21.32	228	1707772	19.808	ng/ul	100
86) Di-n-octyl phthalate	22.09	149	2259128	26.472	ng/ul#	95
87) Benzo(b)fluoranthene	22.84	252	3329146	41.628	ng/ul	99
88) Benzo(k)fluoranthene	22.89	252	1657453	21.815	ng/ul	99
90) Benzo(a)pyrene	23.42	252	1758758	23.145	ng/ul	99
91) Indeno(1,2,3-cd)pyrene	25.74	276	1667773	18.986	ng/ul#	93
92) Dibenzo(a,h)anthracene	25.75	278	950712	12.932	ng/ul	99
93) Benzo(g,h,i)perylene	26.43	276	2152366	29.160	ng/ul	97

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

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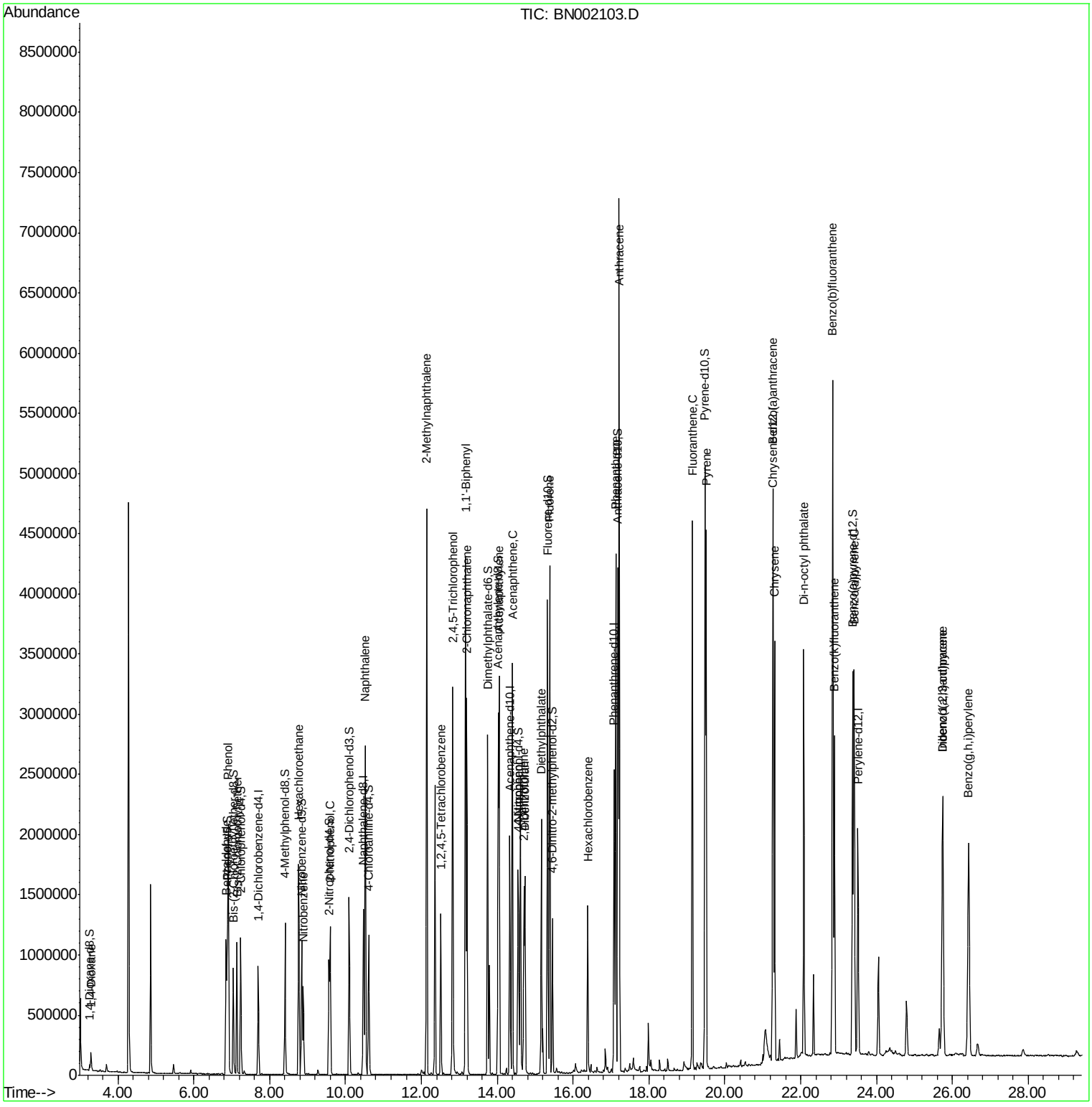
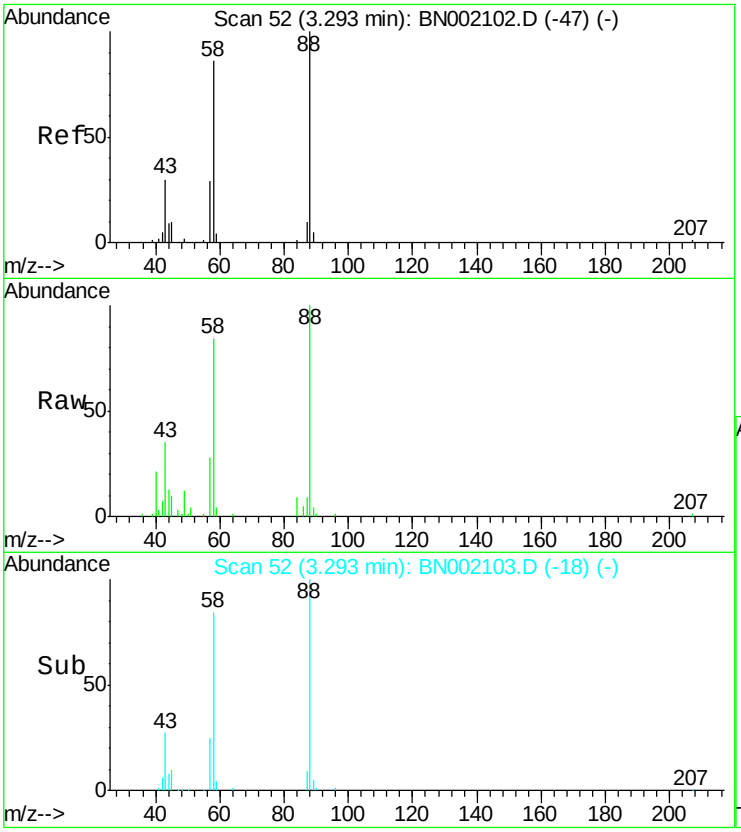


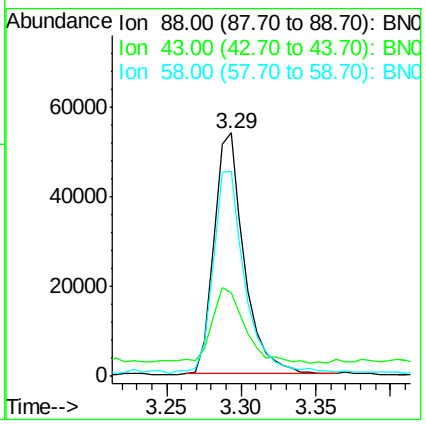


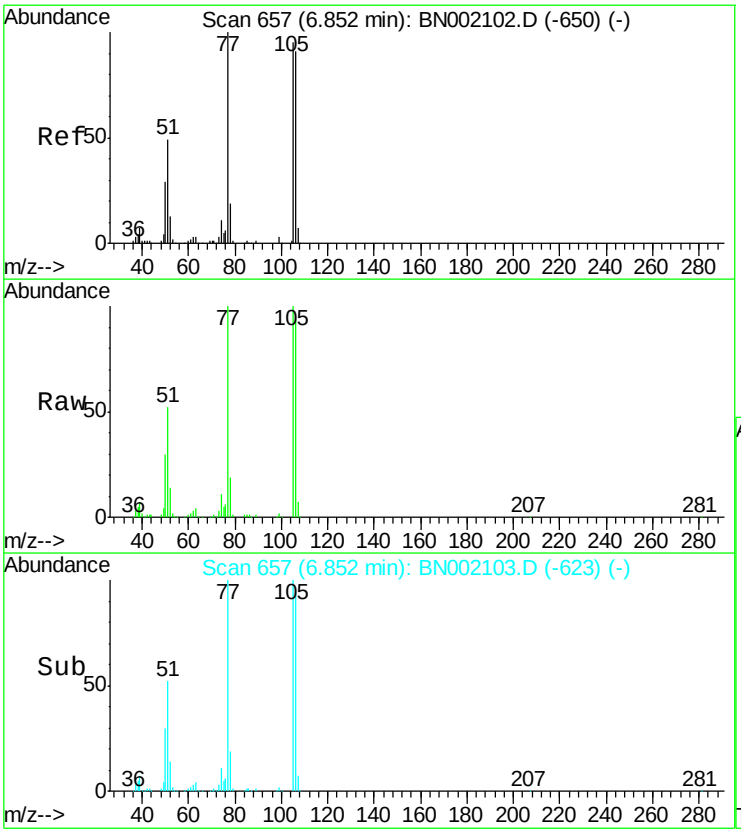
#2
1,4-Dioxane
Concen: 14.540 ng/uL
RT: 3.29 min Scan# 52
Delta R.T. -0.00 min
Lab File: BN002103.D
Acq: 23 Jul 2018 13:05

Instrument :
BNA_N
ClientSampleId :
DB1J2

Tgt Ion: 88 Resp: 75999

Ion	Ratio	Lower	Upper
88	100		
43	29.6	32.0	48.0#
58	82.5	72.0	108.0

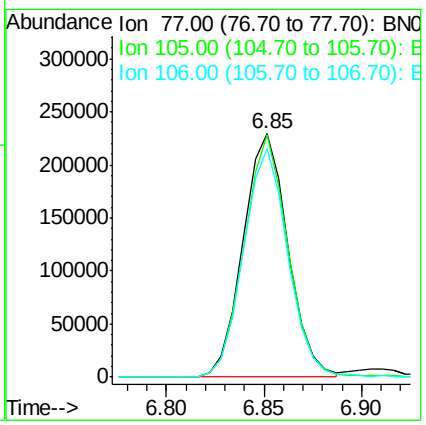


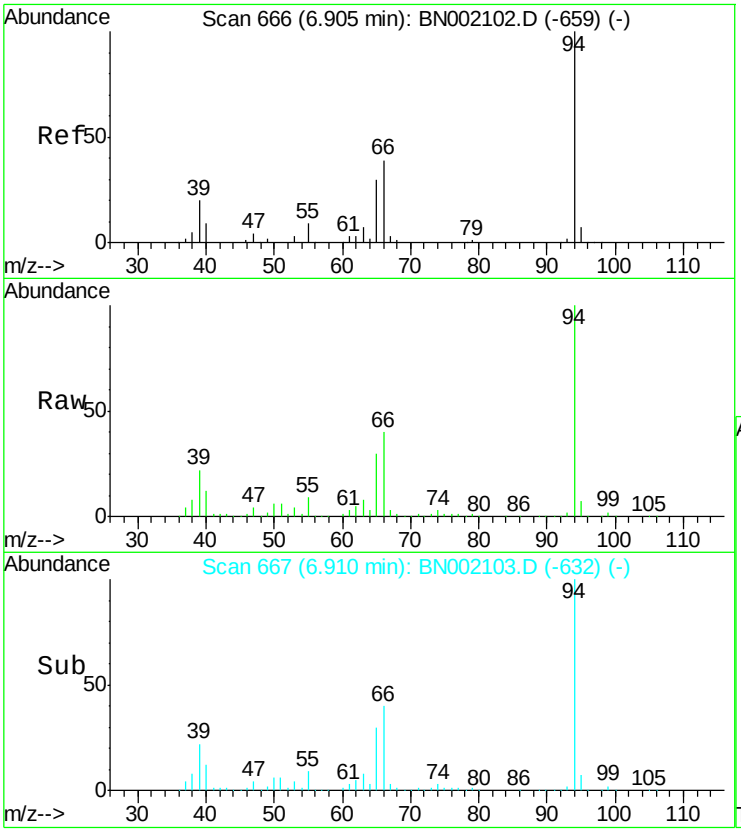


#4
Benzaldehyde
Concen: 27.807 ng/ul
RT: 6.85 min Scan# 657
Delta R.T. -0.00 min
Lab File: BN002103.D
Acq: 23 Jul 2018 13:05

Tgt Ion: 77 Resp: 364944

Ion	Ratio	Lower	Upper
77	100		
105	99.6	80.6	120.8
106	93.6	77.7	116.5



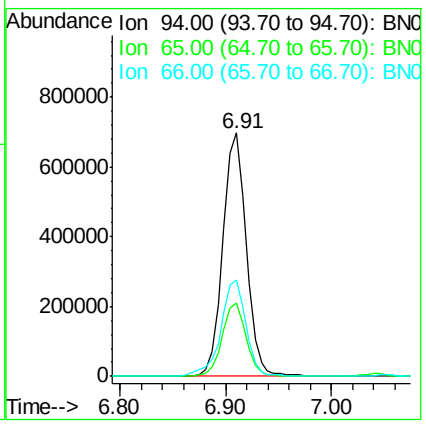


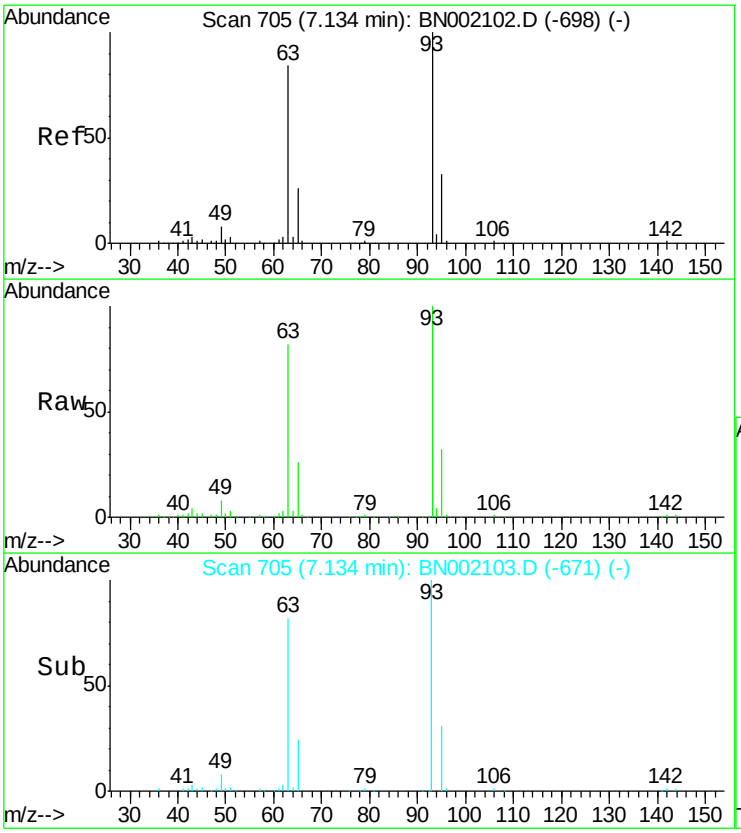
#6
Phenol
Concen: 48.365 ng/ul
RT: 6.91 min Scan# 667
Delta R.T. 0.01 min
Lab File: BN002103.D
Acq: 23 Jul 2018 13:05

Instrument :
BNA_N
ClientSampleId :
DB1J2

Tgt Ion: 94 Resp: 1074653

Ion	Ratio	Lower	Upper
94	100		
65	30.4	21.0	31.6
66	39.5	29.3	43.9

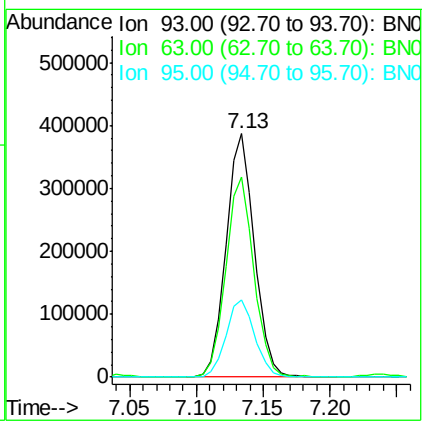


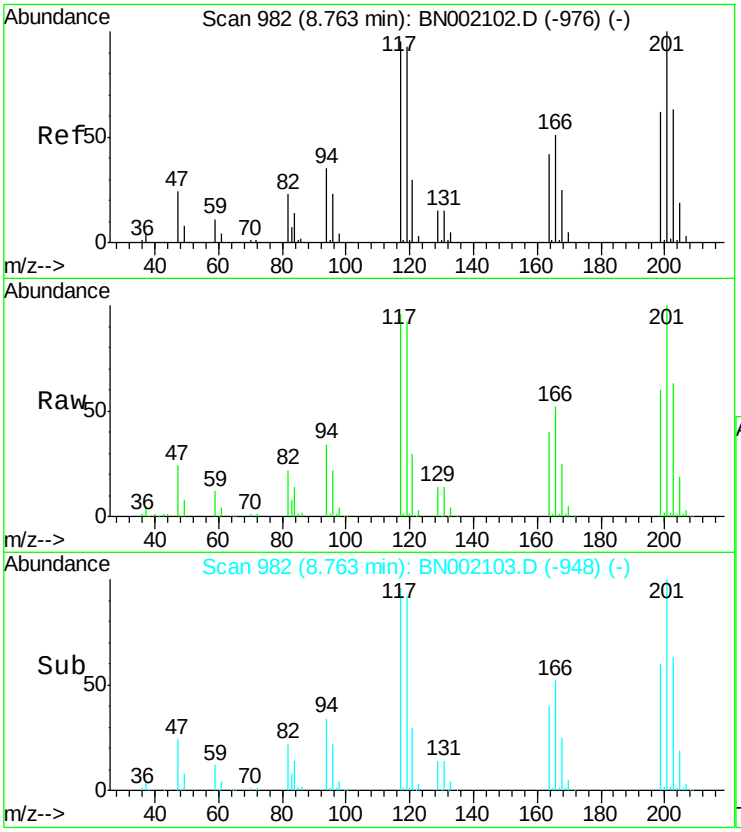


#8
Bis(2-Chloroethyl)ether
Concen: 33.816 ng/ul
RT: 7.13 min Scan# 705
Delta R.T. -0.00 min
Lab File: BN002103.D
Acq: 23 Jul 2018 13:05

Tgt Ion: 93 Resp: 572944

Ion	Ratio	Lower	Upper
93	100		
63	82.1	53.5	80.3#
95	31.7	26.2	39.2



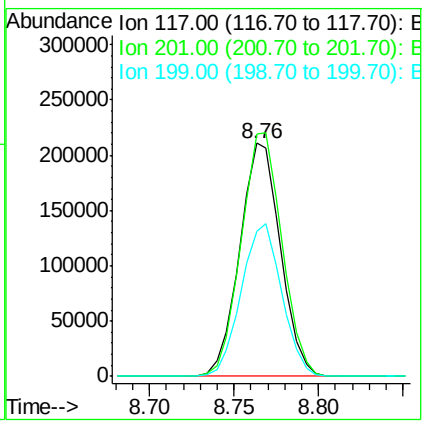


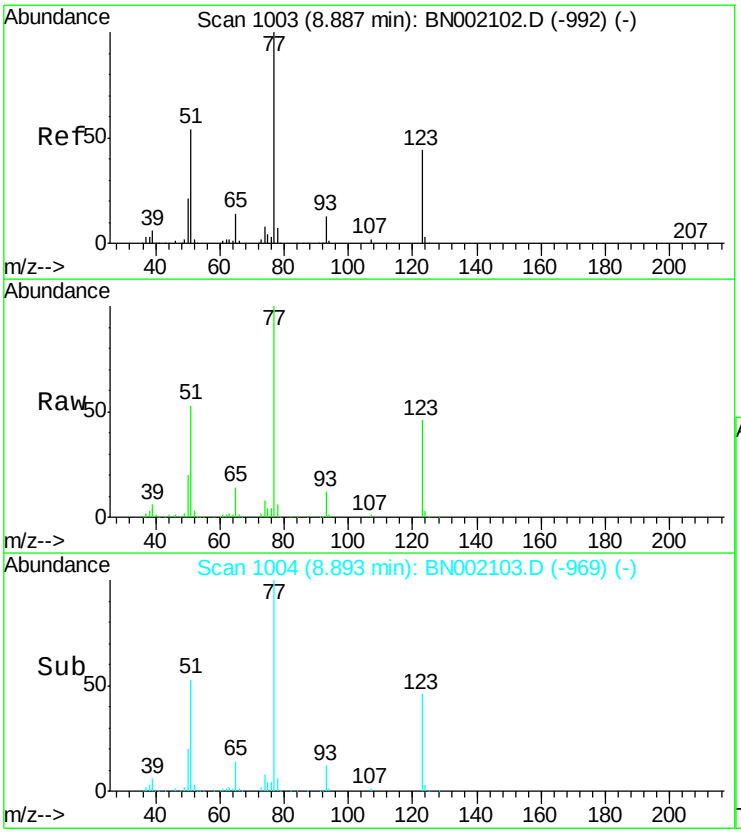
#17
Hexachloroethane
Concen: 51.300 ng/ul
RT: 8.76 min Scan# 982
Delta R.T. -0.00 min
Lab File: BN002103.D
Acq: 23 Jul 2018 13:05

Instrument :
BNA_N
ClientSampleId :
DB1J2

Tgt Ion:117 Resp: 353474

Ion	Ratio	Lower	Upper
117	100		
201	103.7	81.5	122.3
199	62.1	50.6	76.0

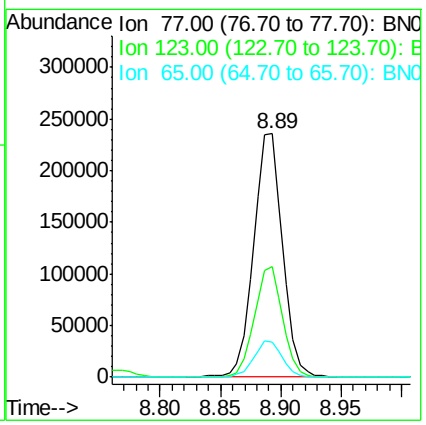


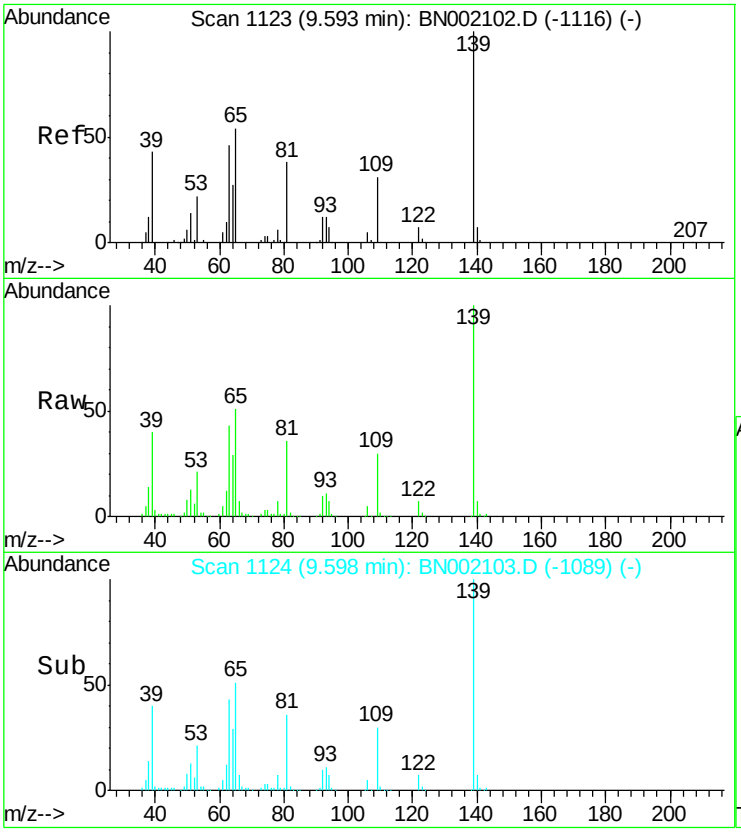


#20
Nitrobenzene
Concen: 18.959 ng/ul
RT: 8.89 min Scan# 1004
Delta R.T. 0.01 min
Lab File: BN002103.D
Acq: 23 Jul 2018 13:05

Tgt Ion: 77 Resp: 394791

Ion	Ratio	Lower	Upper
77	100		
123	45.6	39.0	58.4
65	14.5	10.4	15.6



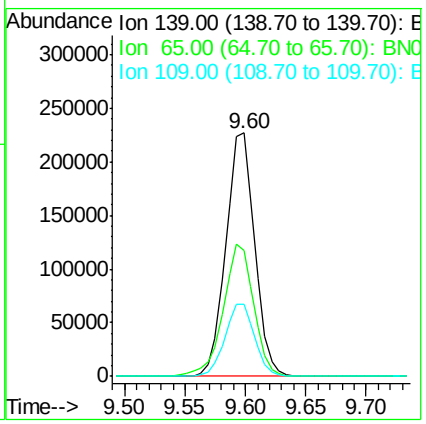


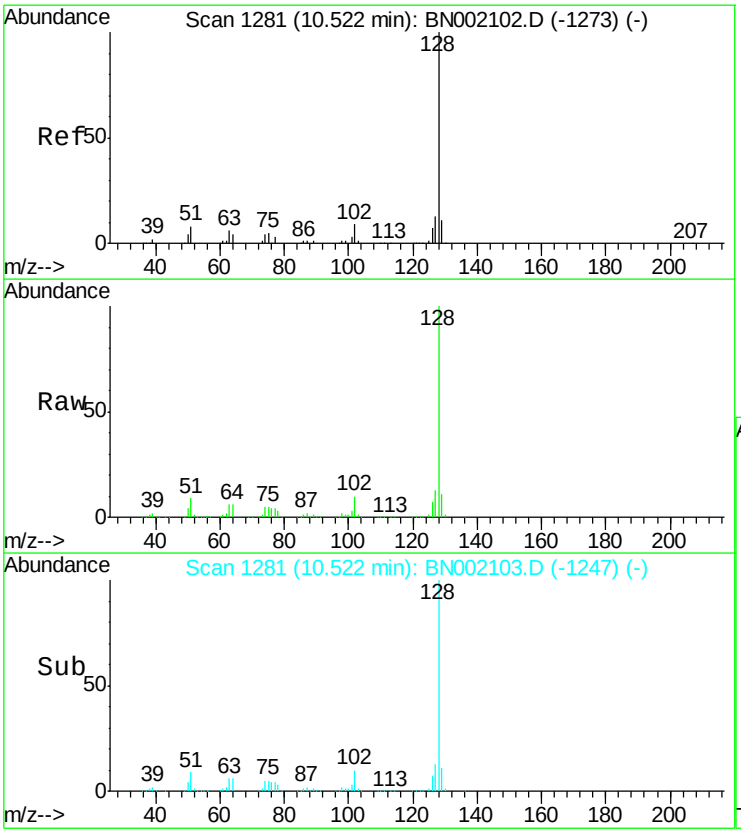
#23
2-Nitrophenol
Concen: 36.042 ng/ul
RT: 9.60 min Scan# 1124
Delta R.T. 0.01 min
Lab File: BN002103.D
Acq: 23 Jul 2018 13:05

Instrument :
BNA_N
ClientSampleId :
DB1J2

Tgt Ion:139 Resp: 377620

Ion	Ratio	Lower	Upper
139	100		
65	51.5	36.3	54.5
109	29.8	26.4	39.6

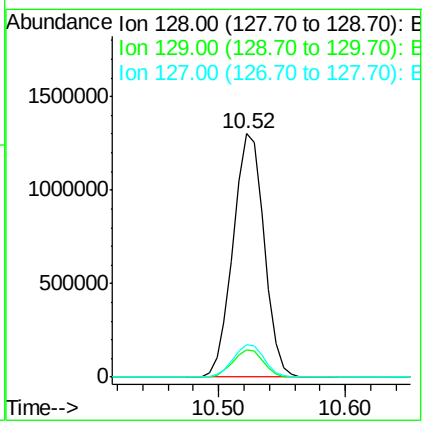


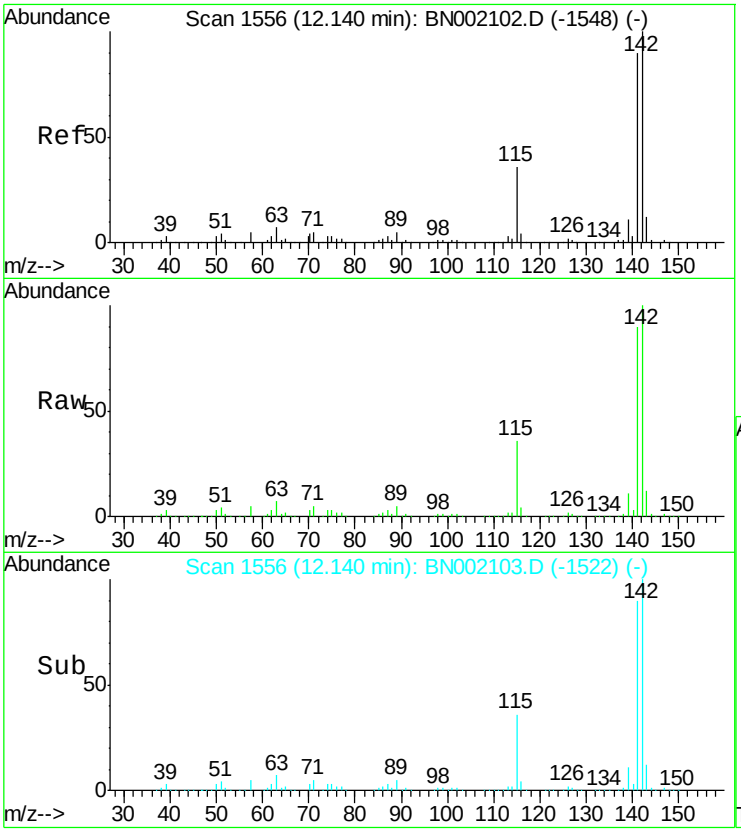


#28
Naphthalene
Concen: 38.273 ng/ul
RT: 10.52 min Scan# 1281
Delta R.T. -0.00 min
Lab File: BN002103.D
Acq: 23 Jul 2018 13:05

Tgt Ion:128 Resp: 2208070

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	13.2	10.5	15.7



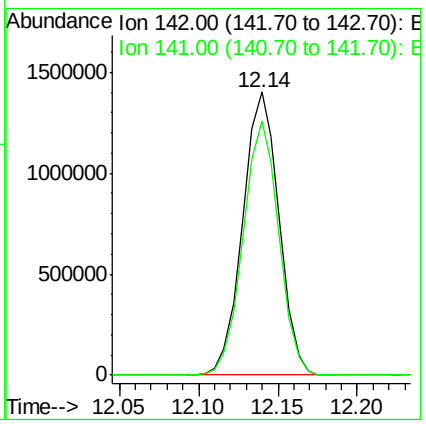


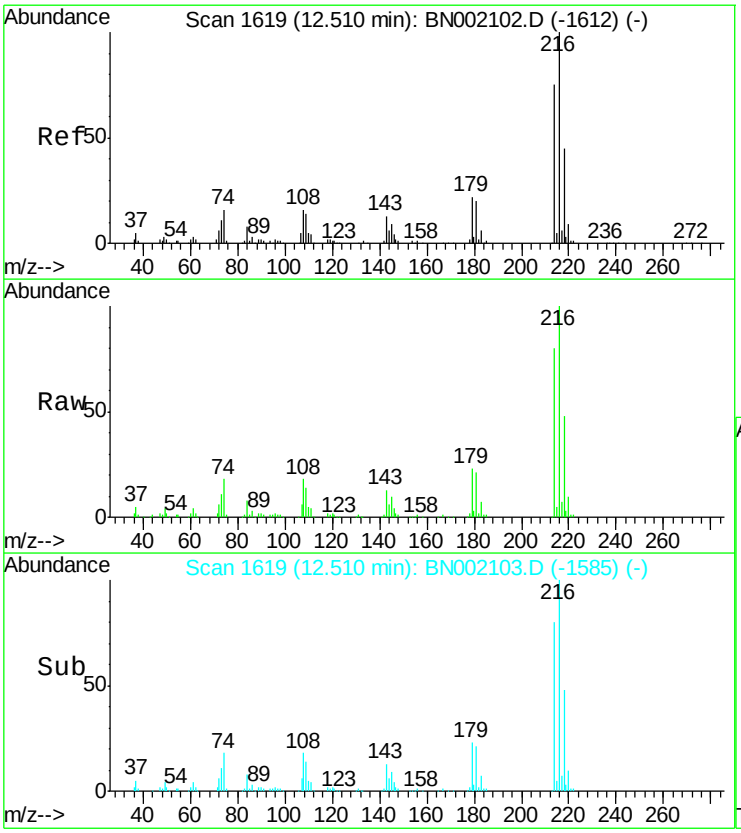
#34
2-Methylnaphthalene
Concen: 52.785 ng/ul
RT: 12.14 min Scan# 1556
Delta R.T. -0.00 min
Lab File: BN002103.D
Acq: 23 Jul 2018 13:05

Instrument :
BNA_N
ClientSampleId :
DB1J2

Tgt Ion:142 Resp: 2221279

Ion	Ratio	Lower	Upper
142	100		
141	89.7	71.6	107.4

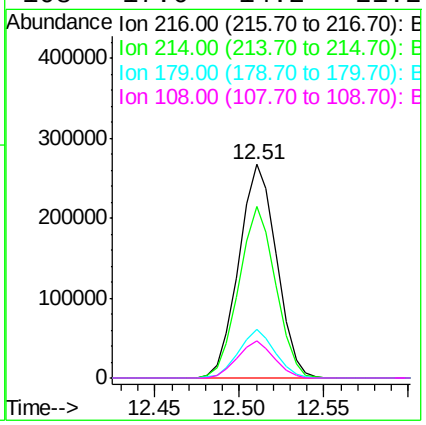


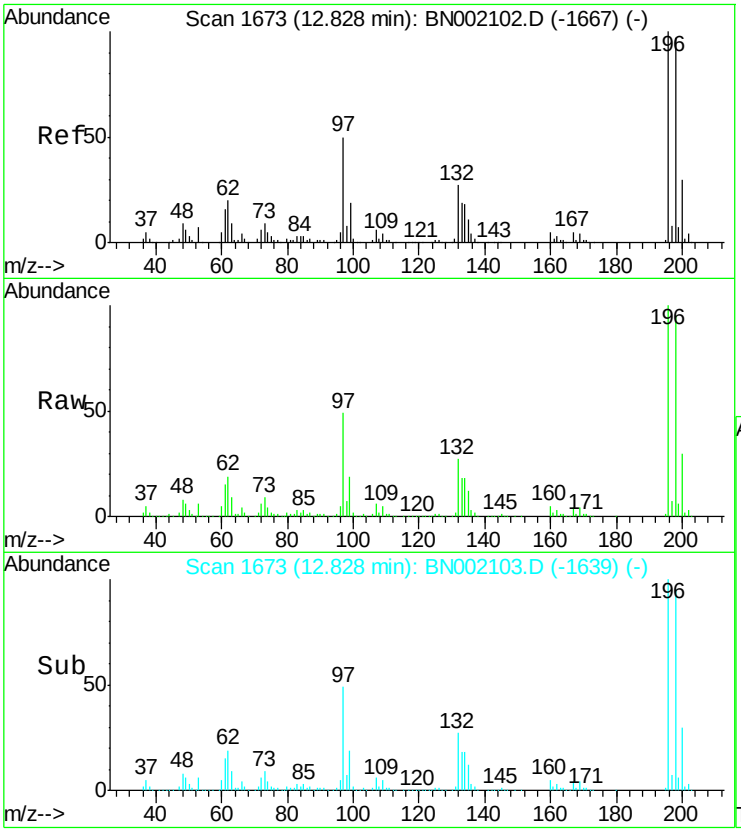


#36
1,2,4,5-Tetrachlorobenzene
Concen: 19.684 ng/ul
RT: 12.51 min Scan# 1619
Delta R.T. -0.00 min
Lab File: BN002103.D
Acq: 23 Jul 2018 13:05

Tgt Ion:216 Resp: 416584

Ion	Ratio	Lower	Upper
216	100		
214	80.1	62.5	93.7
179	22.6	18.2	27.2
108	17.6	14.2	21.2



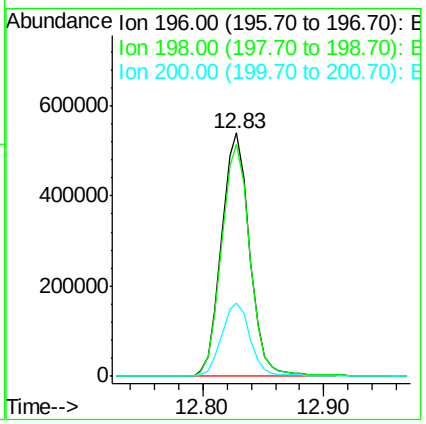


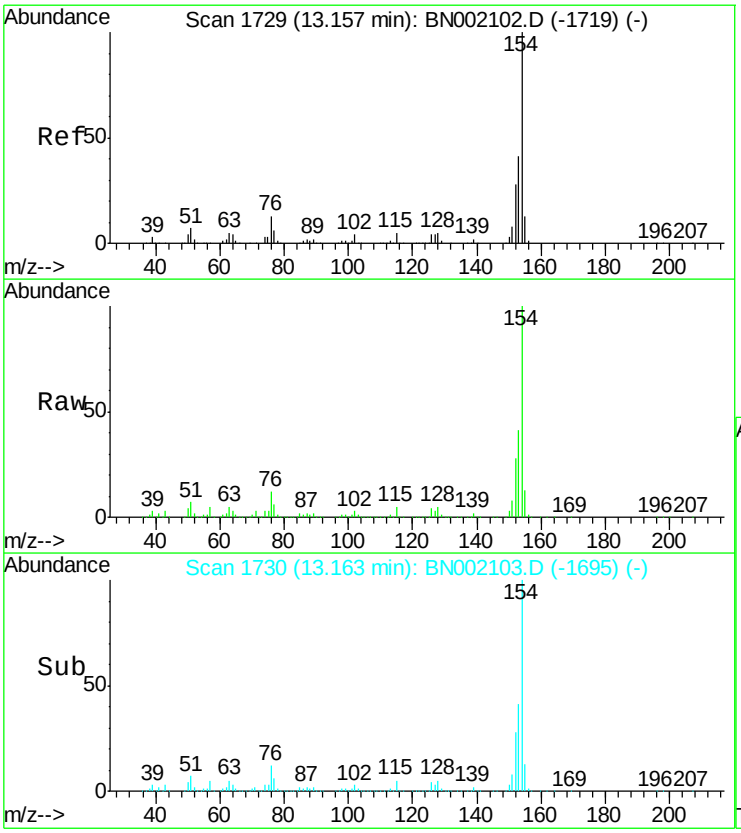
#39
2,4,5-Trichlorophenol
Concen: 56.906 ng/ul
RT: 12.83 min Scan# 1673
Delta R.T. -0.00 min
Lab File: BN002103.D
Acq: 23 Jul 2018 13:05

Instrument :
BNA_N
ClientSampleId :
DB1J2

Tgt Ion:196 Resp: 874463

Ion	Ratio	Lower	Upper
196	100		
198	95.2	76.9	115.3
200	30.4	25.0	37.4

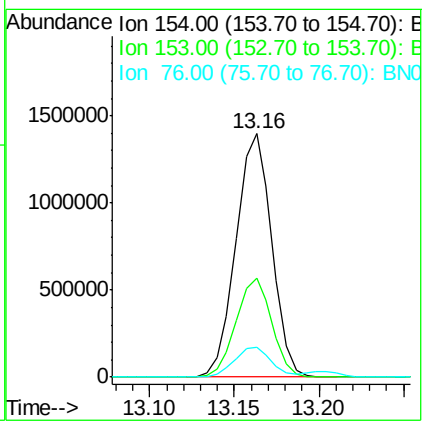


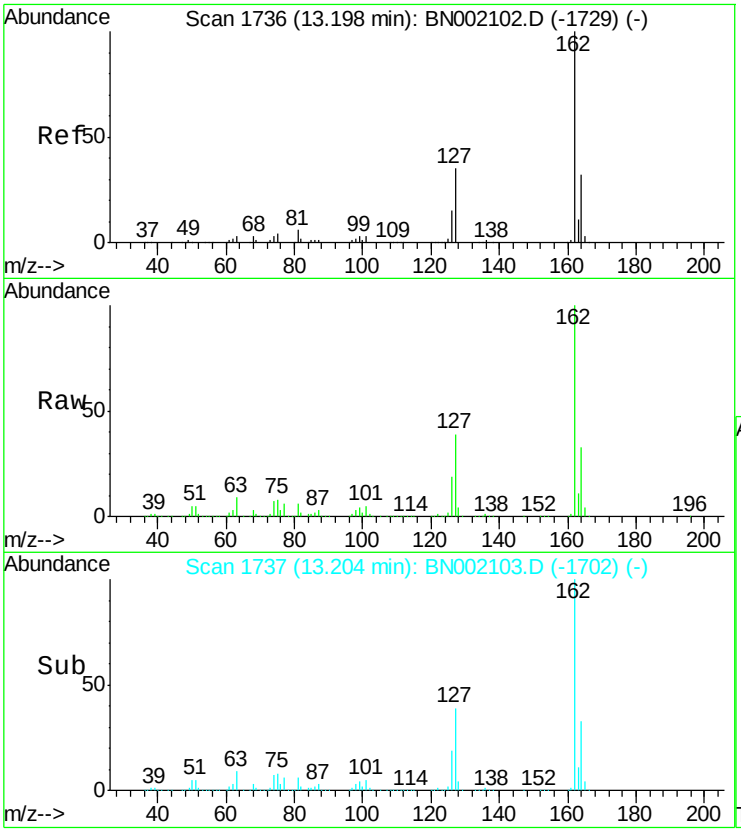


#40
1,1'-Biphenyl
Concen: 37.884 ng/ul
RT: 13.16 min Scan# 1730
Delta R.T. 0.01 min
Lab File: BN002103.D
Acq: 23 Jul 2018 13:05

Tgt Ion:154 Resp: 2057728

Ion	Ratio	Lower	Upper
154	100		
153	40.8	32.1	48.1
76	12.4	9.5	14.3



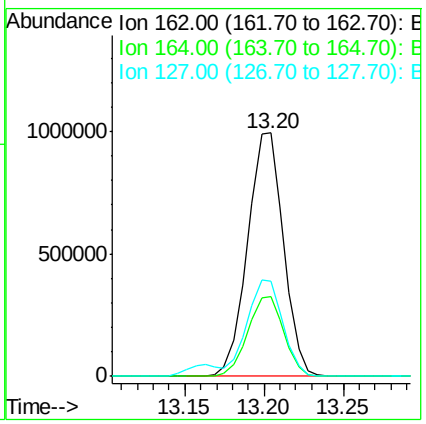


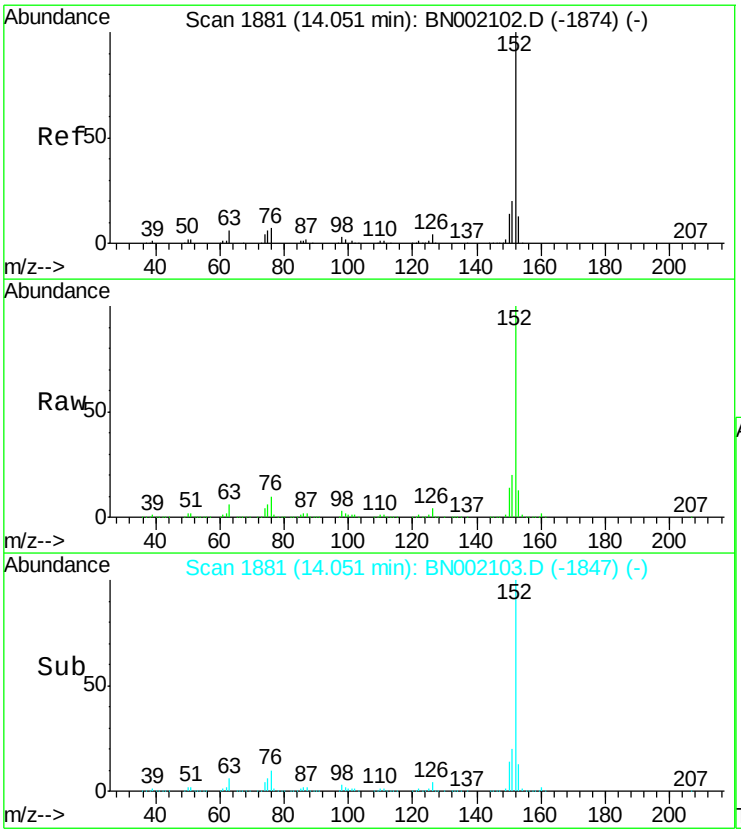
#41
2-Chloronaphthalene
Concen: 37.140 ng/ul
RT: 13.20 min Scan# 1737
Delta R.T. 0.01 min
Lab File: BN002103.D
Acq: 23 Jul 2018 13:05

Instrument :
BNA_N
ClientSampleId :
DB1J2

Tgt Ion:162 Resp: 1568601

Ion	Ratio	Lower	Upper
162	100		
164	33.0	25.9	38.9
127	38.9	34.1	51.1

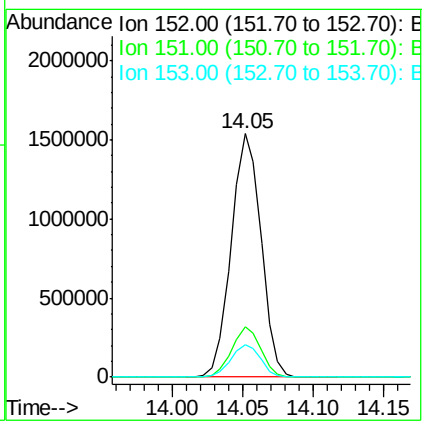


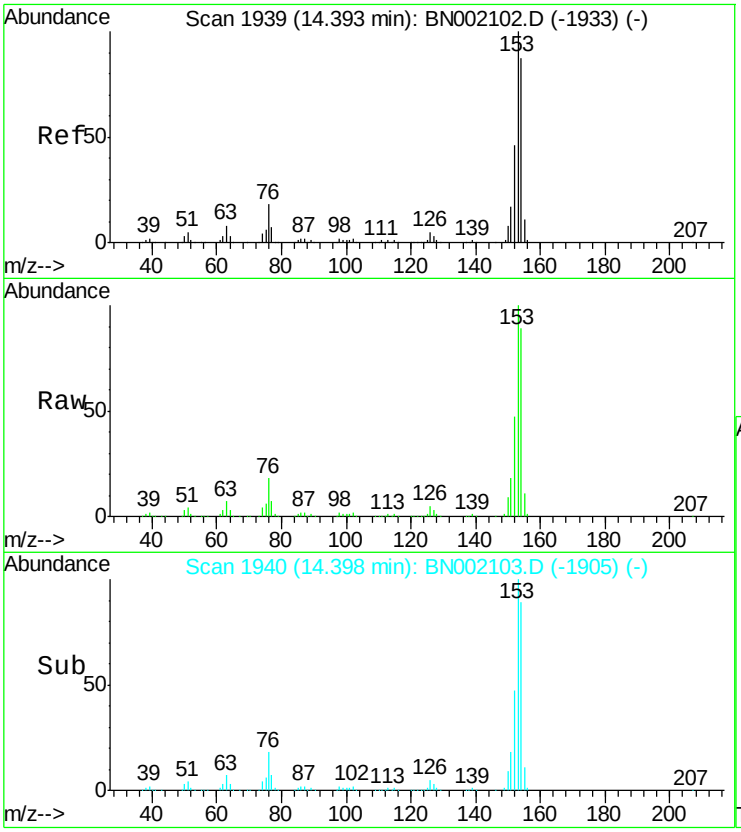


#47
Acenaphthylene
Concen: 34.235 ng/ul
RT: 14.05 min Scan# 1881
Delta R.T. -0.00 min
Lab File: BN002103.D
Acq: 23 Jul 2018 13:05

Tgt Ion:152 Resp: 2261983

Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.7	23.5
153	13.1	10.5	15.7



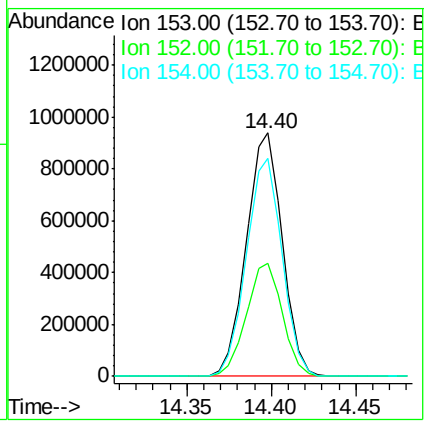


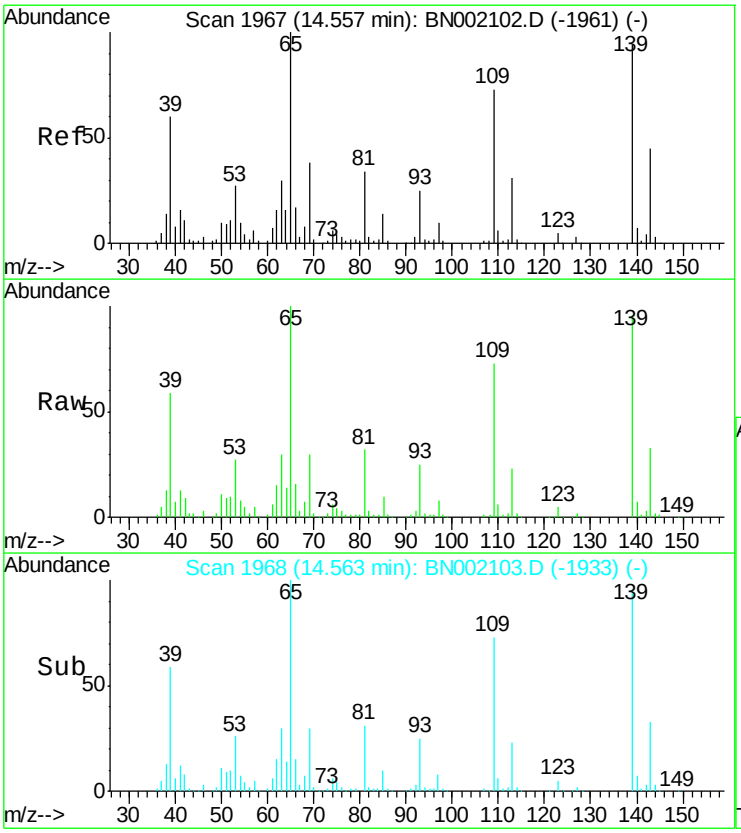
#49
Acenaphthene
Concen: 30.420 ng/ul
RT: 14.40 min Scan# 1940
Delta R.T. 0.01 min
Lab File: BN002103.D
Acq: 23 Jul 2018 13:05

Instrument :
BNA_N
ClientSampleId :
DB1J2

Tgt Ion:153 Resp: 1387276

Ion	Ratio	Lower	Upper
153	100		
152	46.7	38.3	57.5
154	89.3	71.8	107.8

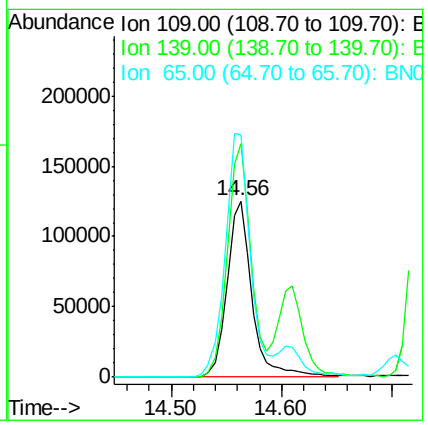


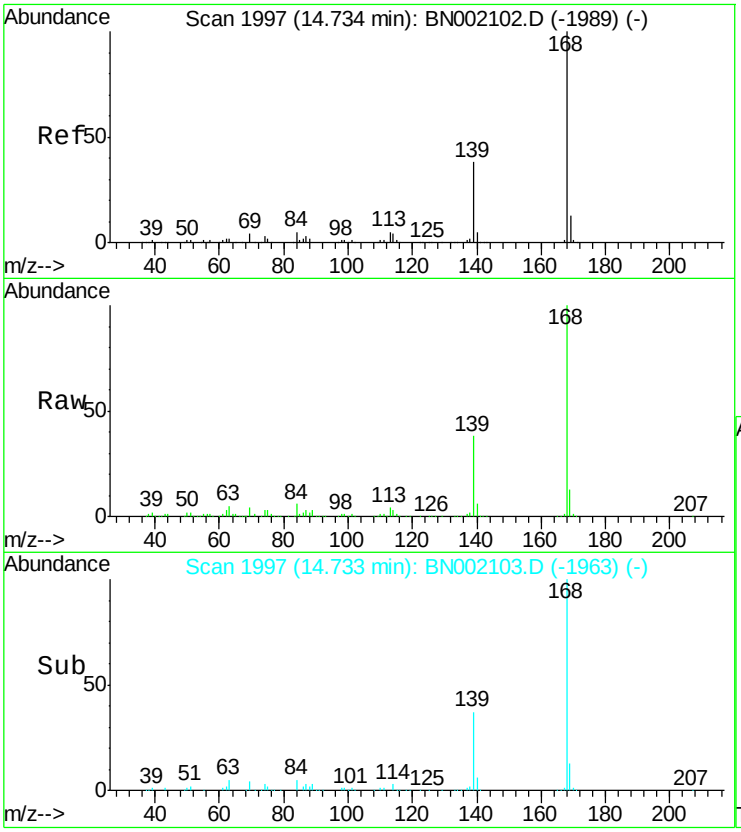


#52
4-Nitrophenol
Concen: 26.798 ng/ul
RT: 14.56 min Scan# 1968
Delta R.T. 0.01 min
Lab File: BN002103.D
Acq: 23 Jul 2018 13:05

Tgt Ion:109 Resp: 197958

Ion	Ratio	Lower	Upper
109	100		
139	132.4	103.7	155.5
65	137.8	89.4	134.2#



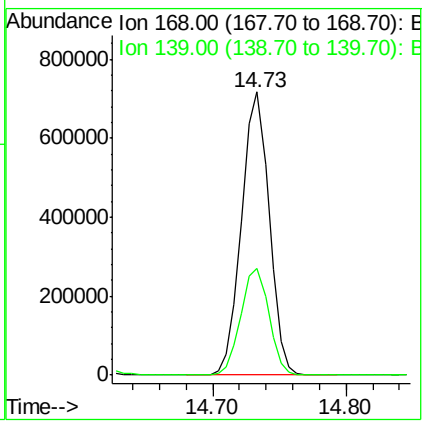


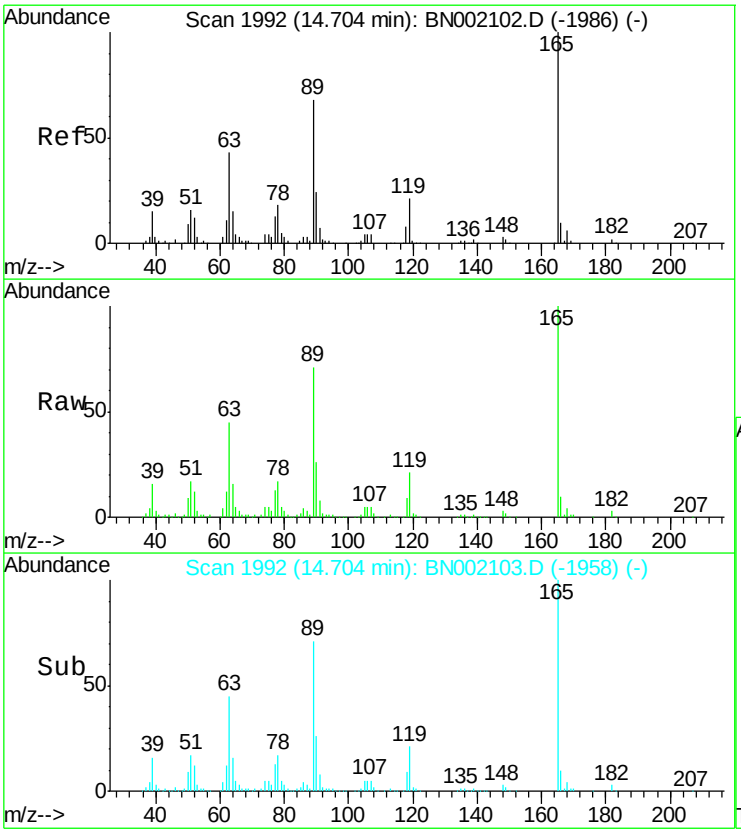
#53
Dibenzofuran
Concen: 15.911 ng/ul
RT: 14.73 min Scan# 1997
Delta R.T. -0.00 min
Lab File: BN002103.D
Acq: 23 Jul 2018 13:05

Instrument :
BNA_N
ClientSampleId :
DB1J2

Tgt Ion:168 Resp: 1025208

Ion	Ratio	Lower	Upper
168	100		
139	37.7	32.2	48.2

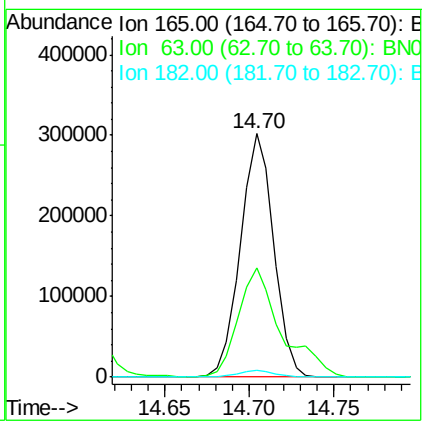


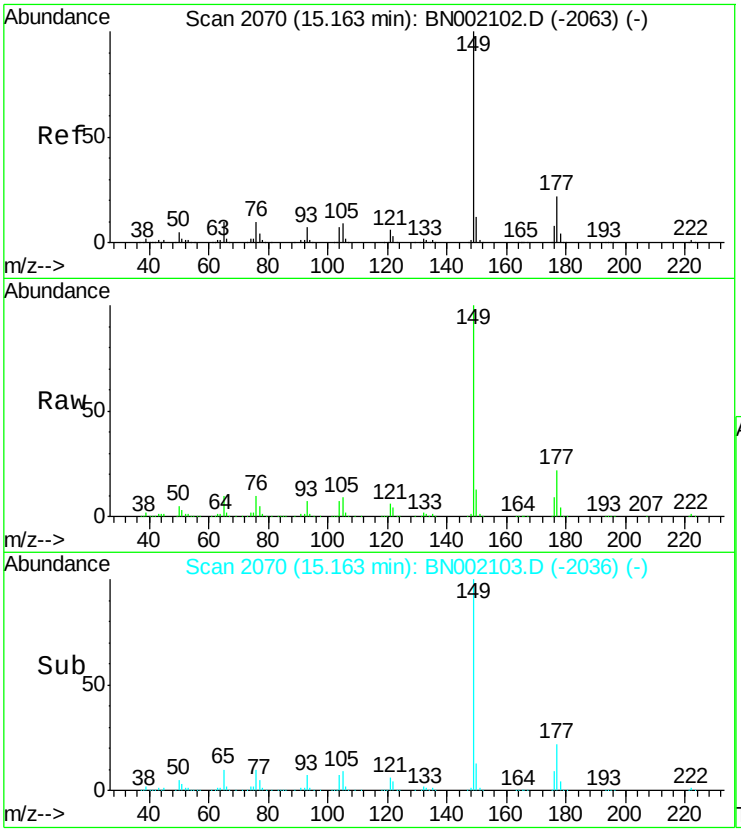


#54
2,4-Dinitrotoluene
Concen: 24.954 ng/ul
RT: 14.70 min Scan# 1992
Delta R.T. -0.00 min
Lab File: BN002103.D
Acq: 23 Jul 2018 13:05

Tgt Ion:165 Resp: 414529

Ion	Ratio	Lower	Upper
165	100		
63	44.9	29.8	44.6#
182	2.9	2.2	3.4



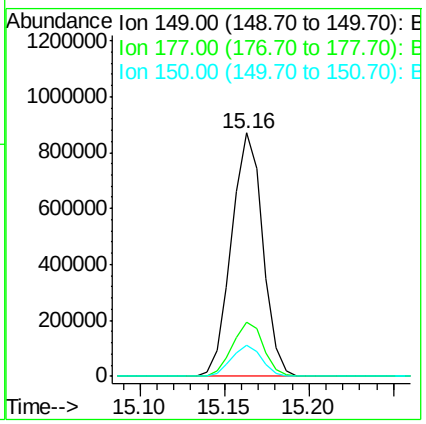


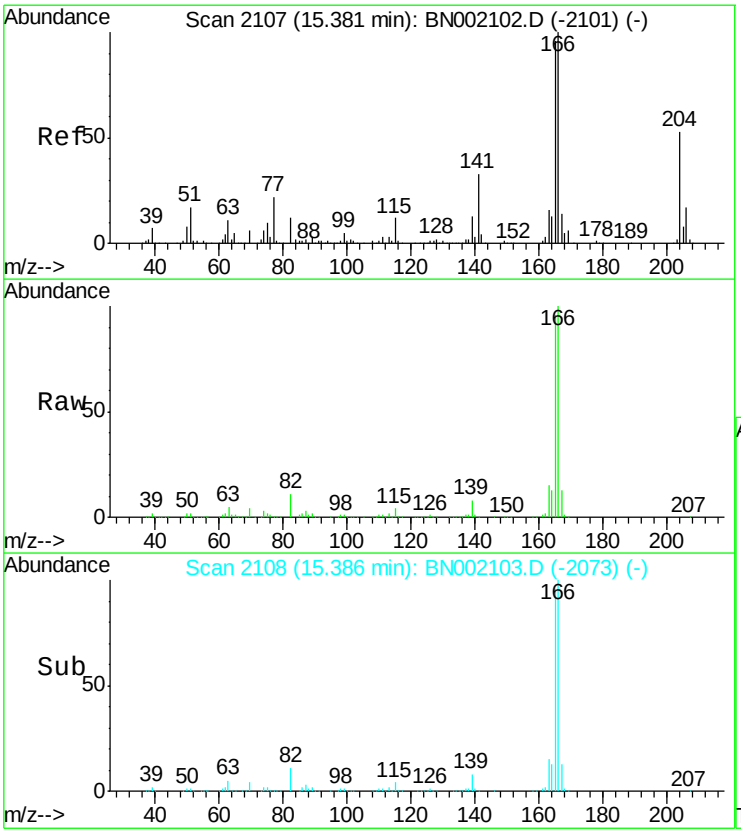
#56
Diethylphthalate
Concen: 20.371 ng/ul
RT: 15.16 min Scan# 2070
Delta R.T. -0.00 min
Lab File: BN002103.D
Acq: 23 Jul 2018 13:05

Instrument :
BNA_N
ClientSampleId :
DB1J2

Tgt Ion:149 Resp: 1120904

Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.4	26.2
150	12.6	10.0	15.0

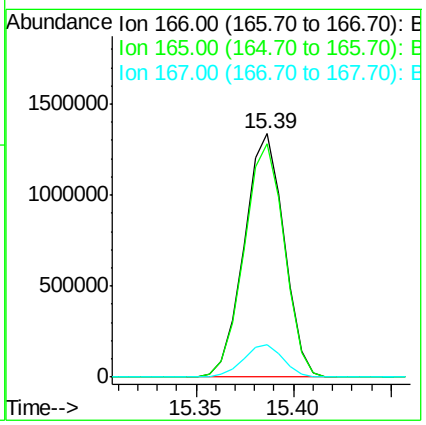


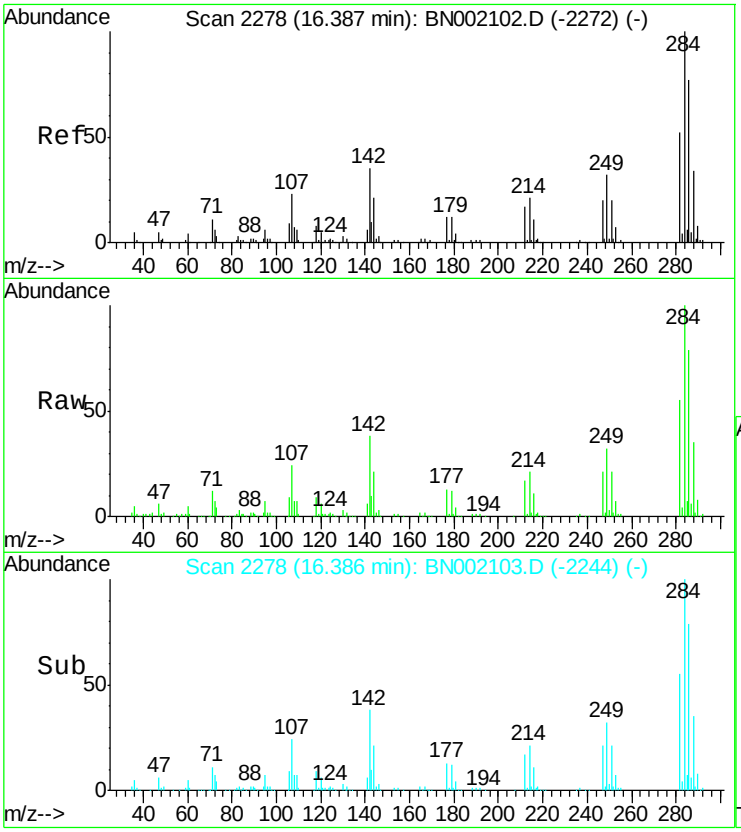


#58
Fluorene
Concen: 36.623 ng/ul
RT: 15.39 min Scan# 2108
Delta R.T. 0.01 min
Lab File: BN002103.D
Acq: 23 Jul 2018 13:05

Tgt Ion:166 Resp: 1883919

Ion	Ratio	Lower	Upper
166	100		
165	96.1	78.5	117.7
167	13.5	10.7	16.1



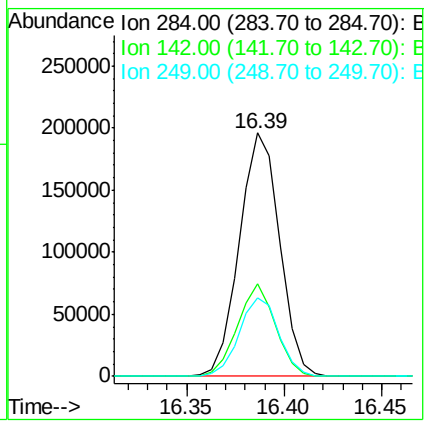


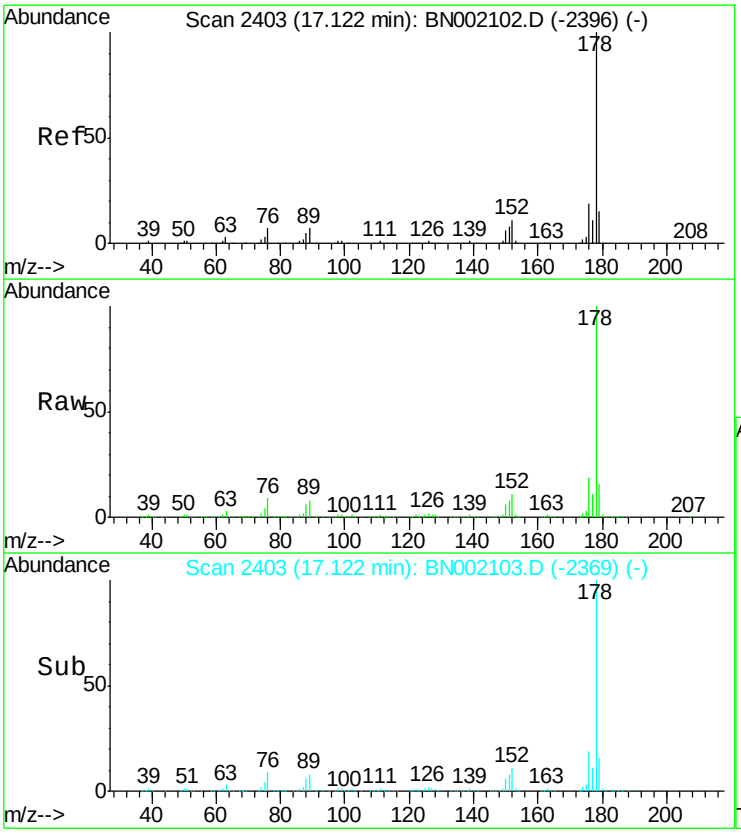
#66
Hexachlorobenzene
Concen: 15.522 ng/ul
RT: 16.39 min Scan# 2278
Delta R.T. -0.00 min
Lab File: BN002103.D
Acq: 23 Jul 2018 13:05

Instrument :
BNA_N
ClientSampleId :
DB1J2

Tgt Ion:284 Resp: 279837

Ion	Ratio	Lower	Upper
284	100		
142	38.0	33.1	49.7
249	32.2	27.1	40.7

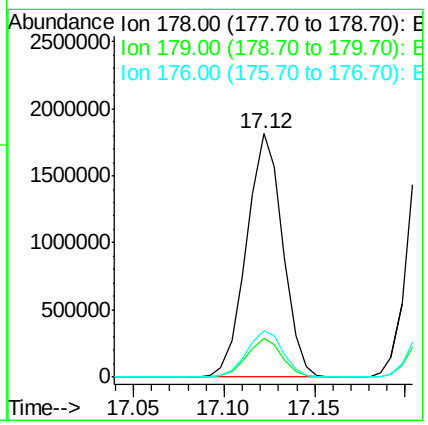


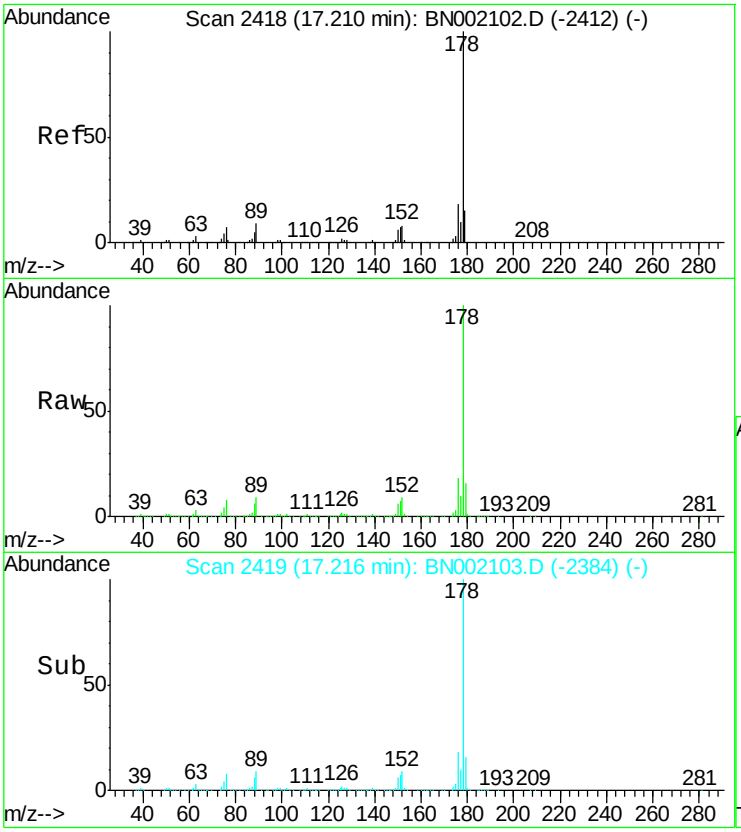


#69
Phenanthrene
Concen: 30.202 ng/ul
RT: 17.12 min Scan# 2403
Delta R.T. -0.00 min
Lab File: BN002103.D
Acq: 23 Jul 2018 13:05

Tgt Ion:178 Resp: 2511144

Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.2	18.4
176	19.1	15.6	23.4



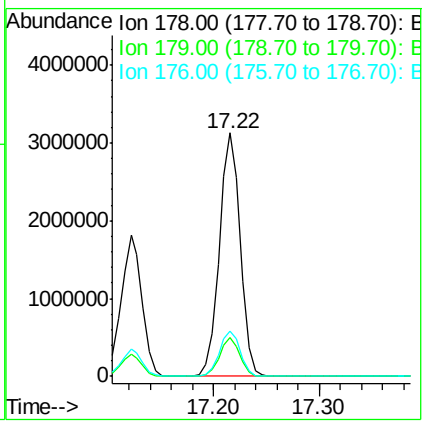


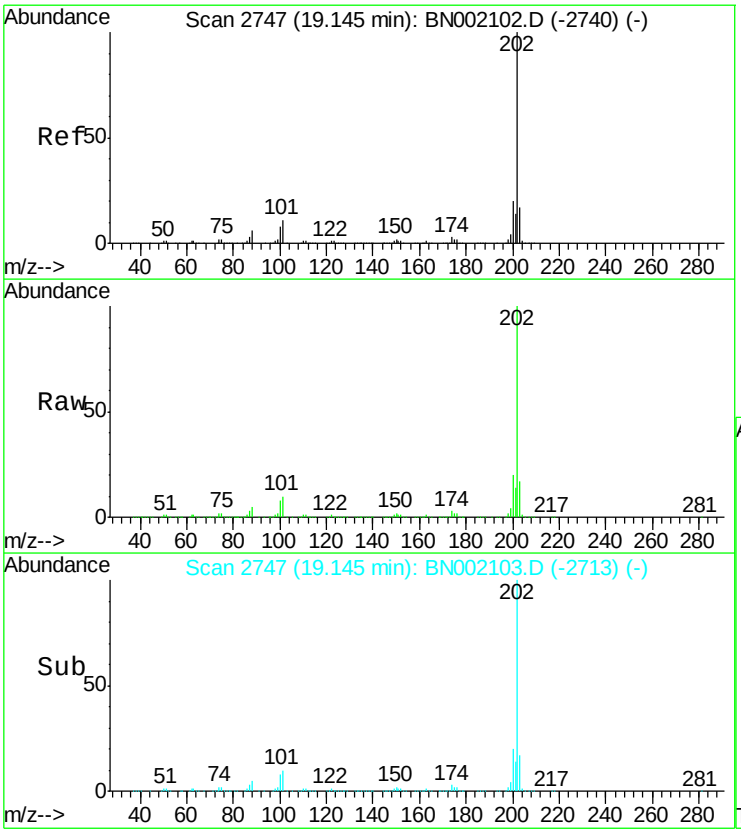
#71
Anthracene
Concen: 50.426 ng/ul
RT: 17.22 min Scan# 2419
Delta R.T. 0.01 min
Lab File: BN002103.D
Acq: 23 Jul 2018 13:05

Instrument :
BNA_N
ClientSampleId :
DB1J2

Tgt Ion:178 Resp: 4270073

Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.1	18.1
176	18.5	14.8	22.2

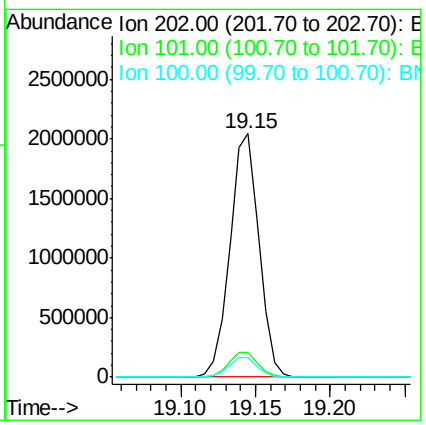


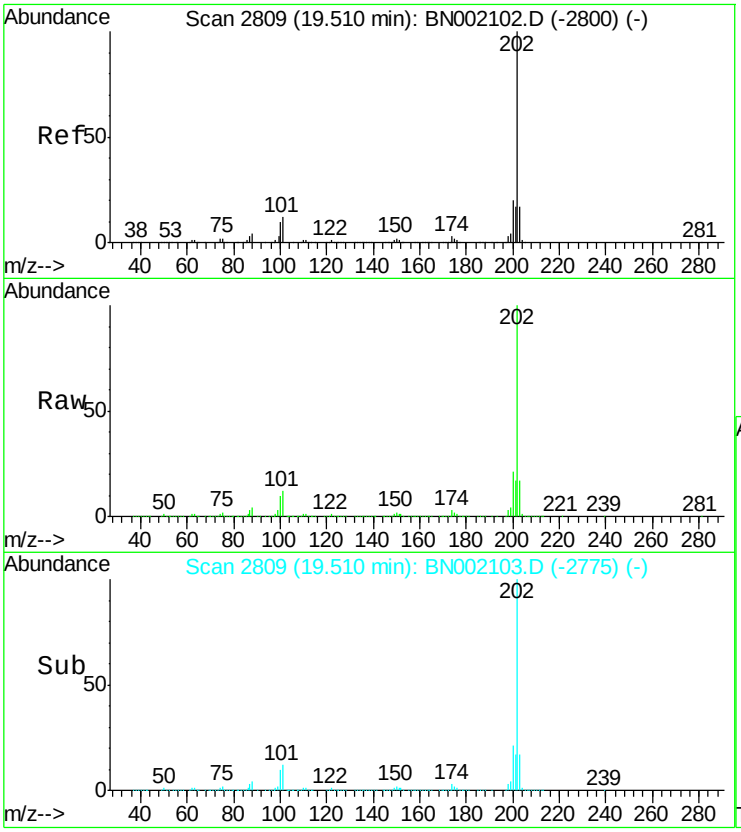


#76
Fluoranthene
Concen: 31.393 ng/ul
RT: 19.15 min Scan# 2747
Delta R.T. -0.00 min
Lab File: BN002103.D
Acq: 23 Jul 2018 13:05

Tgt Ion:202 Resp: 2770073

Ion	Ratio	Lower	Upper
202	100		
101	10.2	8.8	13.2
100	7.9	6.6	9.8



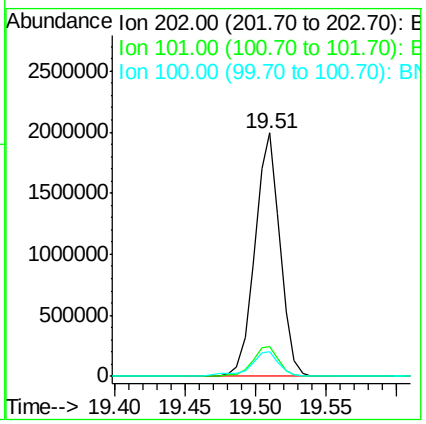


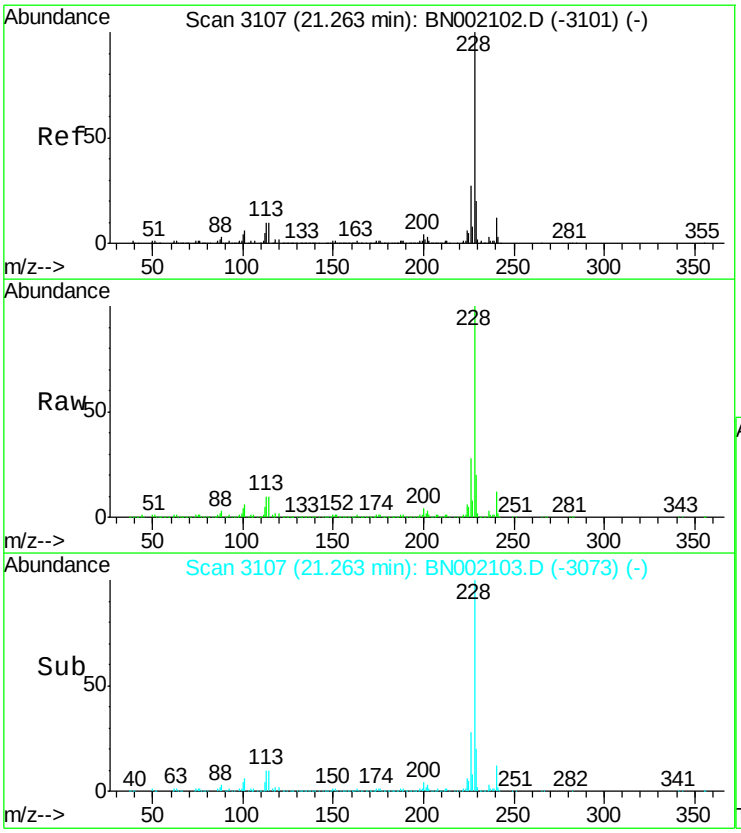
#79
Pyrene
Concen: 26.741 ng/ul
RT: 19.51 min Scan# 2809
Delta R.T. -0.00 min
Lab File: BN002103.D
Acq: 23 Jul 2018 13:05

Instrument :
BNA_N
ClientSampleId :
DB1J2

Tgt Ion:202 Resp: 2492097

Ion	Ratio	Lower	Upper
202	100		
101	12.1	10.2	15.2
100	9.9	8.5	12.7

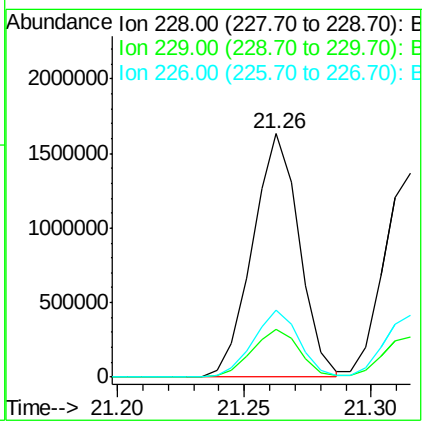


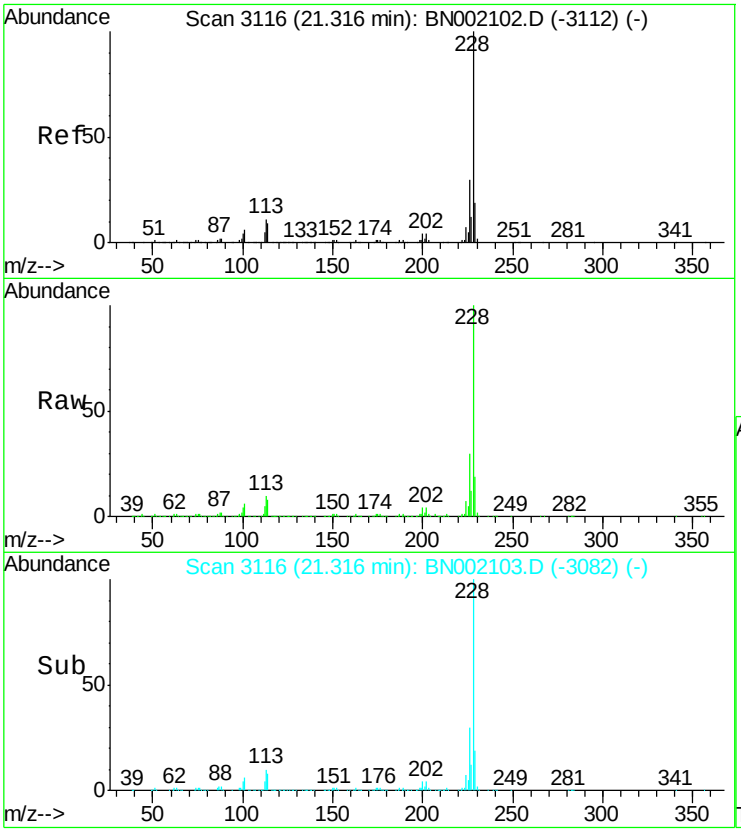


#82
Benzo(a)anthracene
Concen: 22.689 ng/ul
RT: 21.26 min Scan# 3107
Delta R.T. -0.00 min
Lab File: BN002103.D
Acq: 23 Jul 2018 13:05

Tgt Ion:228 Resp: 2098888

Ion	Ratio	Lower	Upper
228	100		
229	19.8	15.7	23.5
226	27.5	21.8	32.6



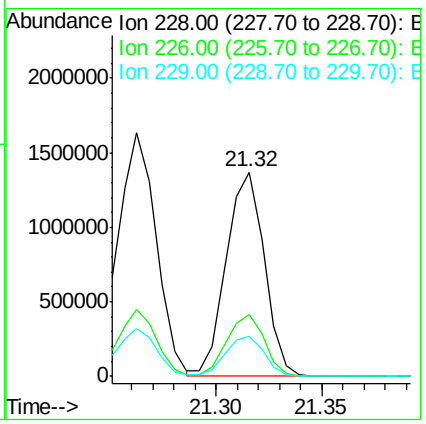


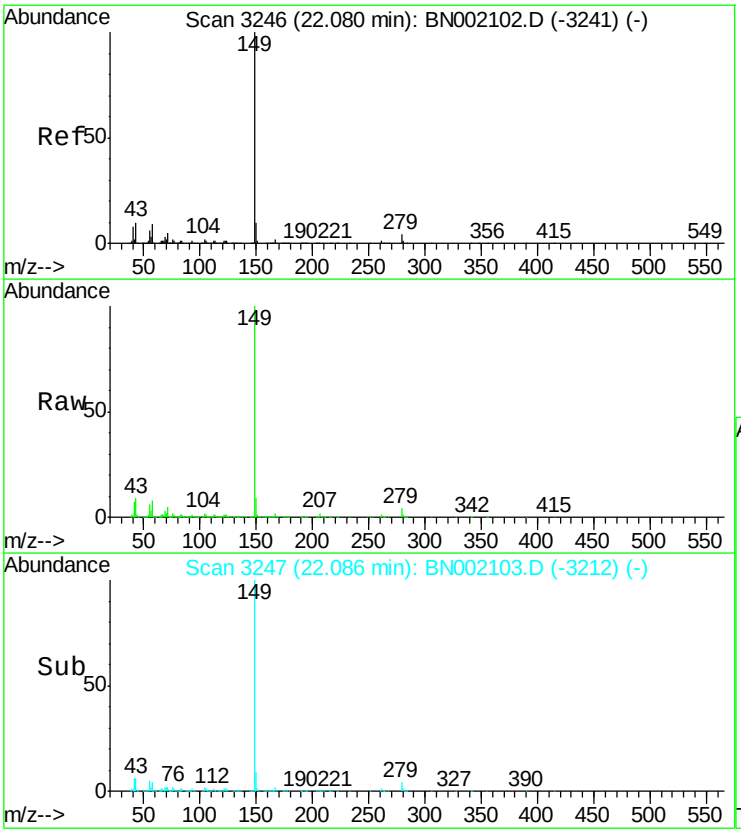
#84
Chrysene
Concen: 19.808 ng/ul
RT: 21.32 min Scan# 3116
Delta R.T. -0.00 min
Lab File: BN002103.D
Acq: 23 Jul 2018 13:05

Instrument :
BNA_N
ClientSampleId :
DB1J2

Tgt Ion:228 Resp: 1707772

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.0	36.0
229	19.5	15.6	23.4

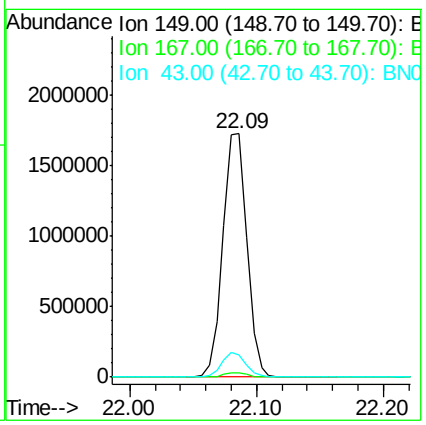


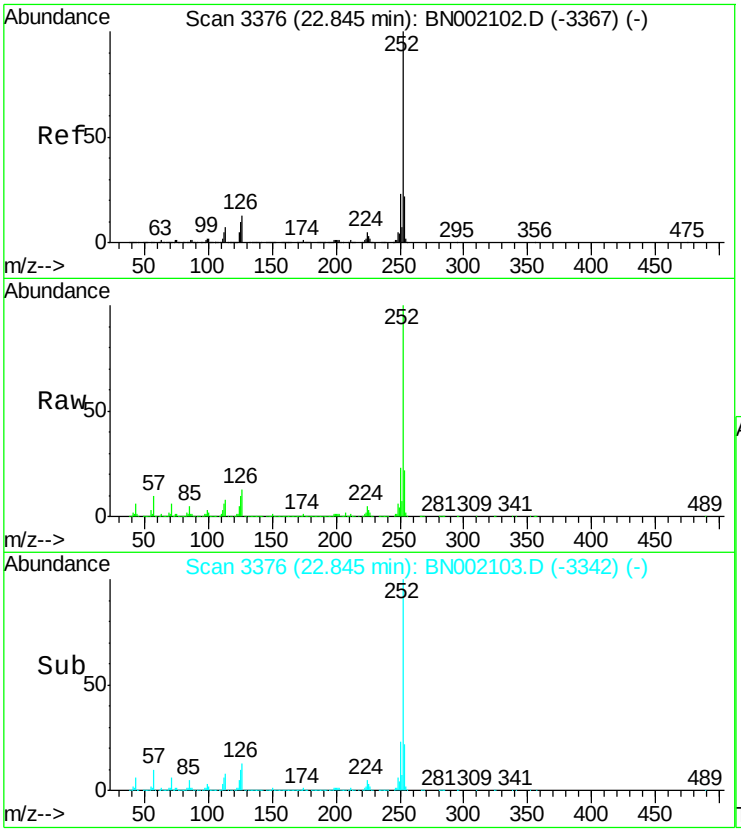


#86
Di-n-octyl phthalate
Concen: 26.472 ng/ul
RT: 22.09 min Scan# 3247
Delta R.T. 0.01 min
Lab File: BN002103.D
Acq: 23 Jul 2018 13:05

Tgt Ion:149 Resp: 2259128

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	9.2	5.6	8.4#



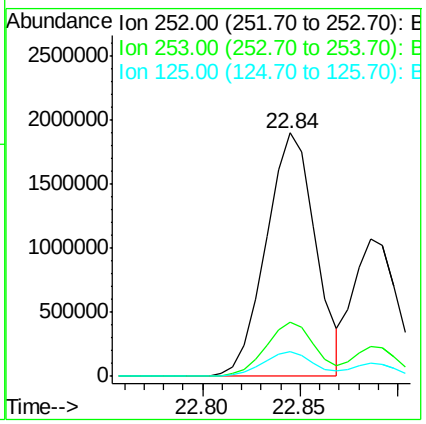


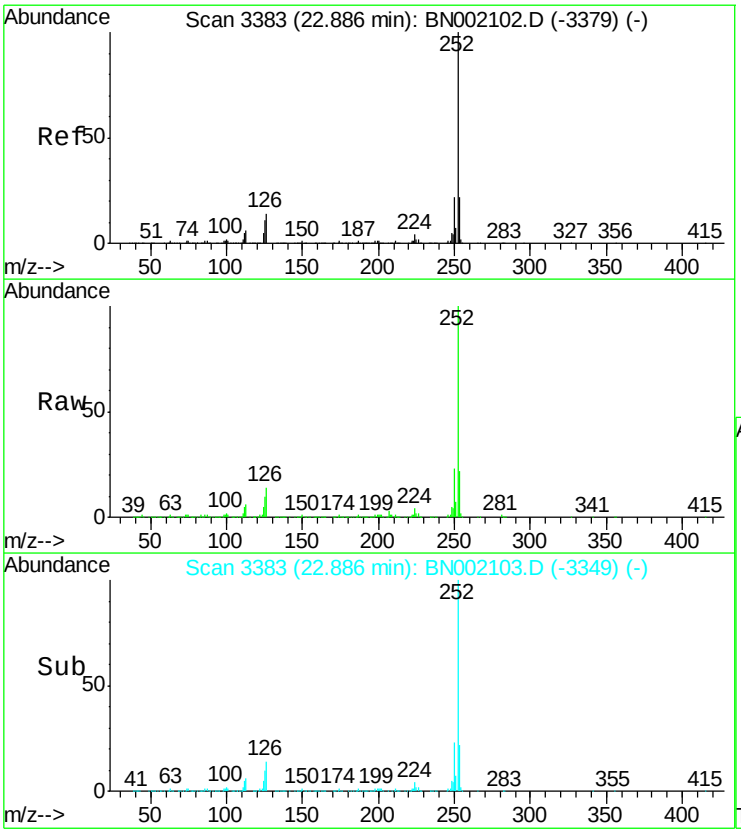
#87
Benzo(b)fluoranthene
Concen: 41.628 ng/ul
RT: 22.84 min Scan# 3376
Delta R.T. -0.00 min
Lab File: BN002103.D
Acq: 23 Jul 2018 13:05

Instrument :
BNA_N
ClientSampleId :
DB1J2

Tgt Ion:252 Resp: 3329146

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	10.0	8.5	12.7

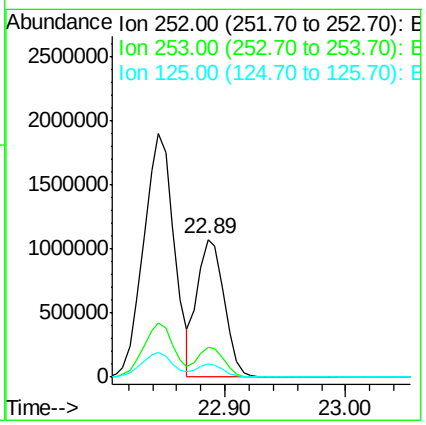


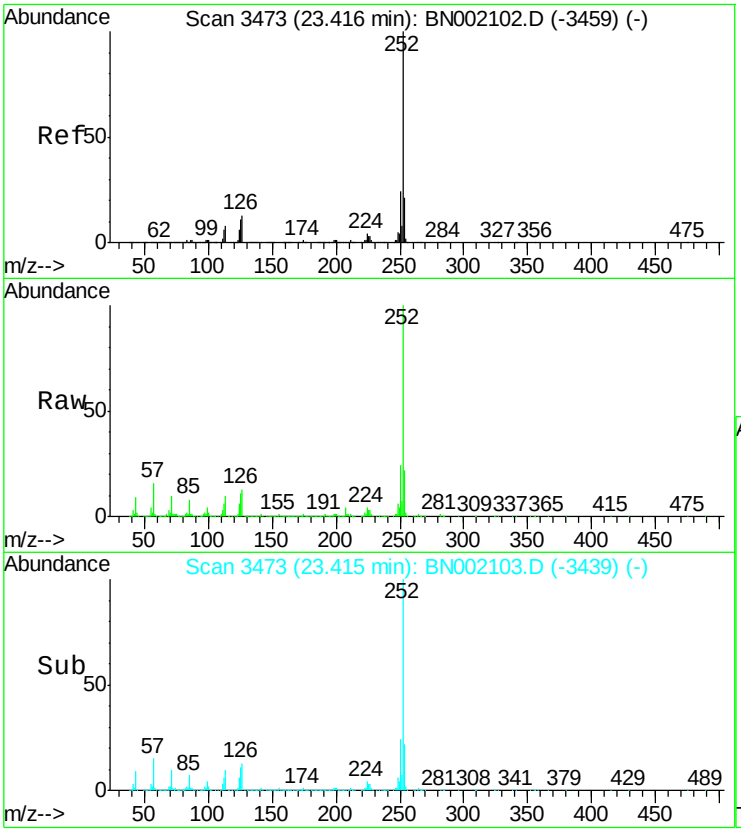


#88
Benzo(k)fluoranthene
Concen: 21.815 ng/ul
RT: 22.89 min Scan# 3383
Delta R.T. -0.00 min
Lab File: BN002103.D
Acq: 23 Jul 2018 13:05

Tgt Ion:252 Resp: 1657453

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.3	25.9
125	9.7	8.2	12.2



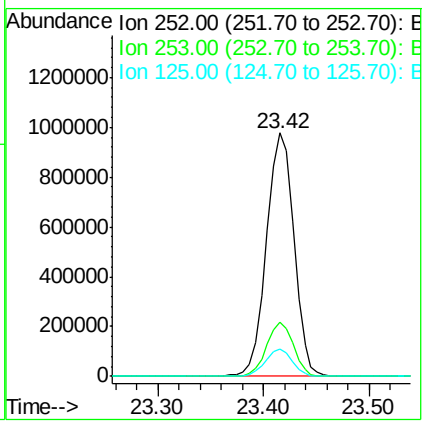


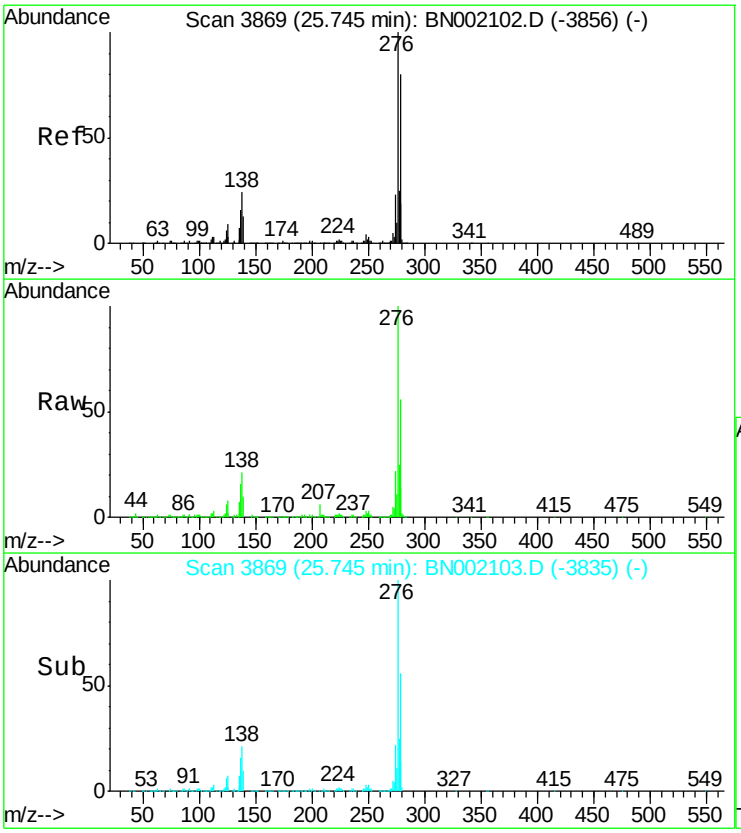
#90
Benzo(a)pyrene
Concen: 23.145 ng/ul
RT: 23.42 min Scan# 3473
Delta R.T. -0.00 min
Lab File: BN002103.D
Acq: 23 Jul 2018 13:05

Instrument :
BNA_N
ClientSampleId :
DB1J2

Tgt Ion:252 Resp: 1758758

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.2	25.8
125	11.3	9.0	13.6

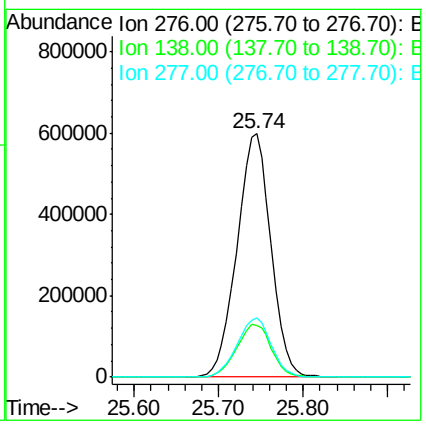


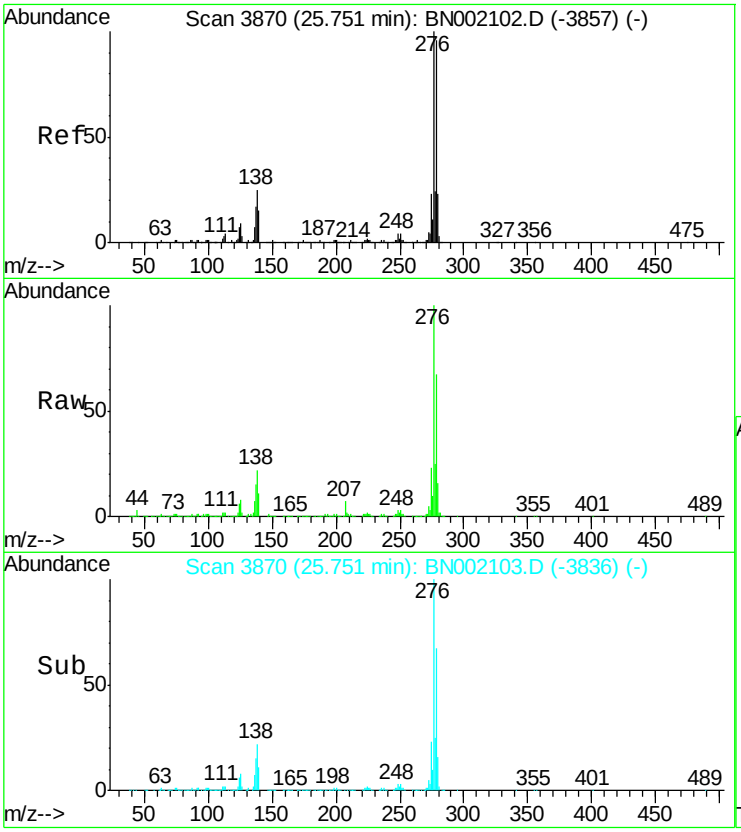


#91
Indeno(1,2,3-cd)pyrene
Concen: 18.986 ng/ul
RT: 25.74 min Scan# 3869
Delta R.T. -0.00 min
Lab File: BN002103.D
Acq: 23 Jul 2018 13:05

Tgt Ion:276 Resp: 1667773

Ion	Ratio	Lower	Upper
276	100		
138	21.2	22.3	33.5#
277	24.6	20.2	30.2



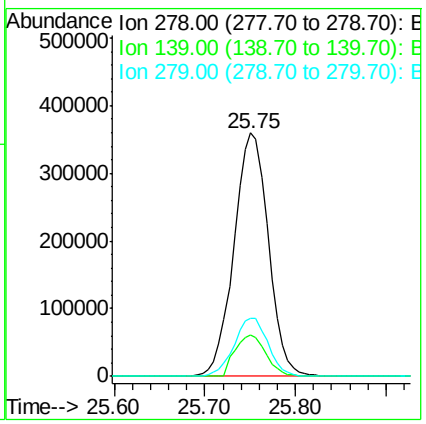


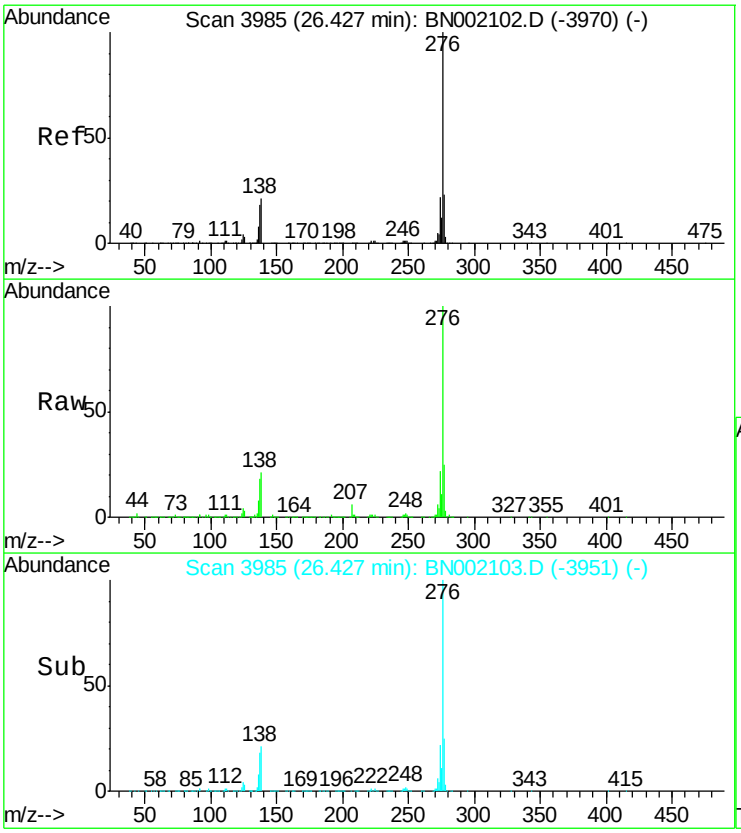
#92
Dibenzo(a,h)anthracene
Concen: 12.932 ng/ul
RT: 25.75 min Scan# 3870
Delta R.T. -0.00 min
Lab File: BN002103.D
Acq: 23 Jul 2018 13:05

Instrument :
BNA_N
ClientSampleId :
DB1J2

Tgt Ion:278 Resp: 950712

Ion	Ratio	Lower	Upper
278	100		
139	16.9	13.9	20.9
279	23.9	19.0	28.4





#93
Benzo(g,h,i)perylene
Concen: 29.160 ng/ul
RT: 26.43 min Scan# 3985
Delta R.T. -0.00 min
Lab File: BN002103.D
Acq: 23 Jul 2018 13:05

Tgt Ion:276 Resp: 2152366

Ion	Ratio	Lower	Upper
276	100		
138	21.4	18.9	28.3
277	24.7	19.2	28.8