Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN040820\
Data File : BN010432.D
Acq On : 08 Apr 2020 14:27
Operator : CG/JU
Sample : L2155-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBF98

Quant Time: Apr 08 14:59:31 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN040120MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Apr 08 13:35:12 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	523975	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	2248808	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.23	164	1502245	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.98	188	3338456	20.00	ng/ul	0.00
78) Chrysene-d12	21.19	240	3560884	20.00	ng/ul	0.00
86) Perylene-d12	23.36	264	4049854	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.20	96	37895	3.42	ng/uL	0.00
5) Phenol-d5	6.79	99	990943	22.67	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.95	67	509471	22.25	ng/ul	0.00
9) 2-Chlorophenol-d4	7.14	132	812533	23.42	ng/ul	0.00
13) 4-Methylphenol-d8	8.30	113	797126	21.59	ng/ul	0.00
19) Nitrobenzene-d5	8.74	128	406188	24.33	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	431318	24.40	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.99	165	924399	25.22	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	796049	18.37	ng/ul	0.00
44) Dimethylphthalate-d6	13.65	166	3208701	28.31	ng/ul	0.00
47) Acenaphthylene-d8	13.92	160	3642288	27.51	ng/ul	0.00
52) 4-Nitrophenol-d4	14.43	143	548425	25.76	ng/ul	0.00
58) Fluorene-d10	15.23	176	2779859	28.14	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.35	200	459396	24.03	ng/ul	0.00
71) Anthracene-d10	17.07	188	4587781	29.93	ng/ul	0.00
79) Pyrene-d10	19.38	212	5435249	29.62	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.22	264	6406517	31.80	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.23	88	196939	16.814	ng/uL	98
4) Benzaldehyde	6.75	77	905143	40.532	ng/ul	97
6) Phenol	6.81	94	1392822	30.450	ng/ul	95
10) 2-Chlorophenol	7.18	128	758108	21.092	ng/ul	99
15) N-Nitroso-di-n-propylamine	8.40	70	672812	24.558	ng/ul	98
20) Nitrobenzene	8.78	77	782345	19.279	ng/ul	97
23) 2-Nitrophenol	9.49	139	445519	22.061	ng/ul	97
27) 2,4-Dichlorophenol	10.02	162	884736	23.902	ng/ul	98
28) Naphthalene	10.41	128	1880753	15.546	ng/ul	99
31) Hexachlorobutadiene	10.71	225	593302	24.107	ng/ul	94
33) 4-Chloro-3-methylphenol	11.65	107	1570072	40.225	ng/ul	97
37) 1,2,4,5-Tetrachlorobenzene	12.41	216	874623	18.463	ng/ul	96
39) 2,4,6-Trichlorophenol	12.65	196	1098800	36.312	ng/ul	96
41) 1,1'-Biphenyl	13.06	154	2873297	25.135	ng/ul	99
42) 2-Chloronaphthalene	13.09	162	1378304	15.174	ng/ul	98
45) Dimethylphthalate	13.70	163	3896216	33.288	ng/ul	100
46) 2,6-Dinitrotoluene	13.80	165	563503	24.493	ng/ul	98
50) Acenaphthene	14.29	153	2021084	20.595	ng/ul	96
53) 4-Nitrophenol	14.45	109	461261	27.102	ng/ul	96
54) Dibenzofuran	14.63	168	2456595	17.773	ng/ul	99
56) 2,3,4,6-Tetrachlorophenol	14.86	232	681996	24.018	ng/ul	97
60) 4-Chlorophenyl-phenylether	15.29	204	966289	16.546	ng/ul	99
64) 4,6-Dinitro-2-methylphenol	15.36	198	896596	42.741	ng/ul#	96

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Acq On : 08 Apr 2020 14:27
Operator : CG/JU
Sample : L2155-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBF98

Quant Time: Apr 08 14:59:31 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN040120MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Apr 08 13:35:12 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min)
67) Hexachlorobenzene	16.29	284	796212	19.973 ng/ul	94
69) Pentachlorophenol	16.63	266	1070123	43.899 ng/ul	97
70) Phenanthrene	17.02	178	3446049	18.629 ng/ul	99
72) Anthracene	17.11	178	4038276	21.827 ng/ul	98
75) Carbazole	17.38	167	3573313	23.226 ng/ul	99
76) Di-n-butylphthalate	17.97	149	3717552	19.442 ng/ul	99
77) Fluoranthene	19.05	202	9148334	46.437 ng/ul	100
80) Pyrene	19.41	202	6716101	28.207 ng/ul	97
81) Butylbenzylphthalate	20.33	149	1703583	17.940 ng/ul	94
83) Benzo(a)anthracene	21.17	228	8421304	35.201 ng/ul	97
84) Bis(2-ethylhexyl)phthalate	21.13	149	3139042	22.339 ng/ul	100
85) Chrysene	21.22	228	5698697	24.979 ng/ul	99
88) Benzo(b)fluoranthene	22.72	252	6570604	26.792 ng/ul	96
91) Benzo(a)pyrene	23.27	252	5892993	25.666 ng/ul	99
92) Indeno(1,2,3-cd)pyrene	25.52	276	7997689	26.992 ng/ul	97
93) Dibenzo(a,h)anthracene	25.52	278	5163140	21.097 ng/ul	96

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

Quantitation Report (QT/LSC Reviewed)

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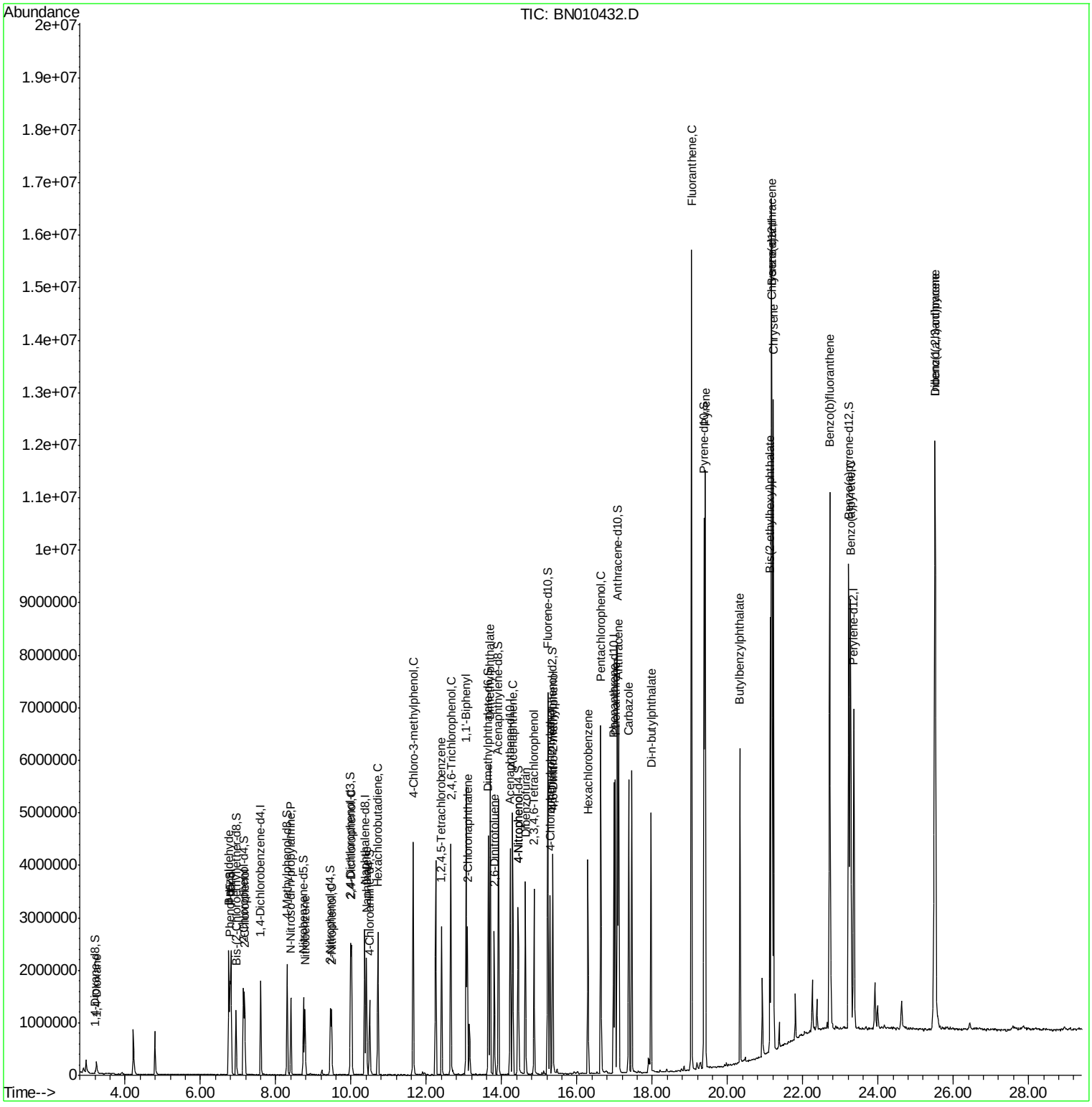
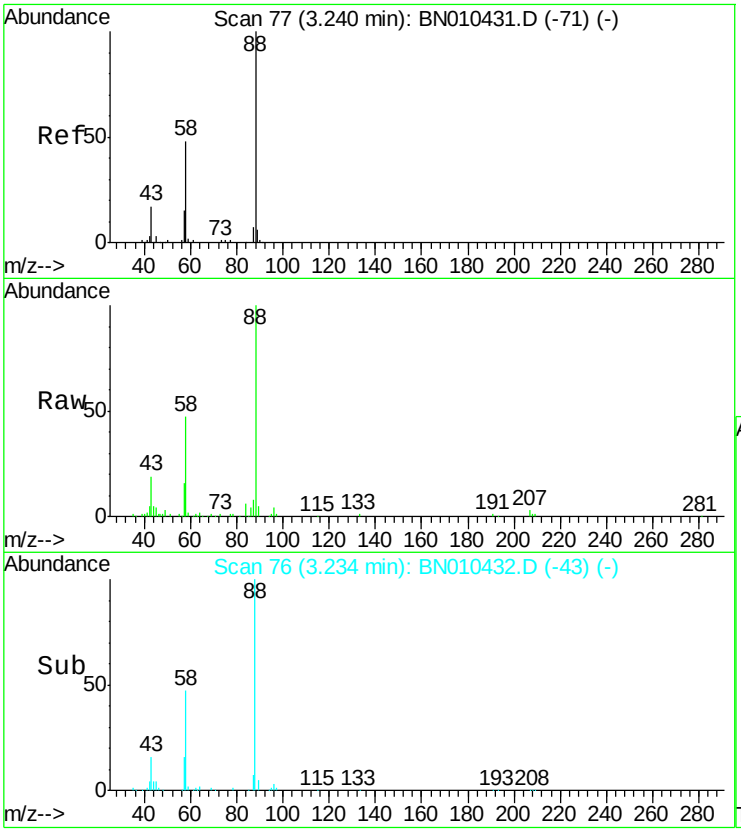
Data File : BN010432.D
Acq On : 08 Apr 2020 14:27
Operator : CG/JU
Sample : L2155-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBF98

Quant Time: Apr 08 14:59:31 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN040120MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Apr 08 13:35:12 2020
Response via : Initial Calibration



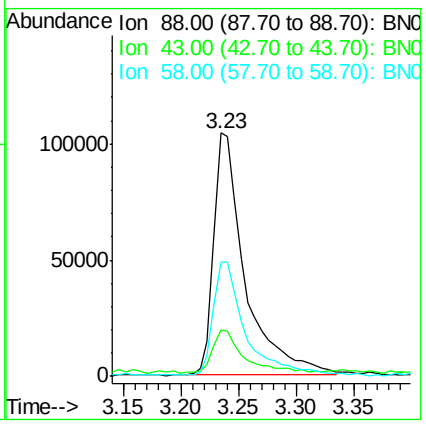


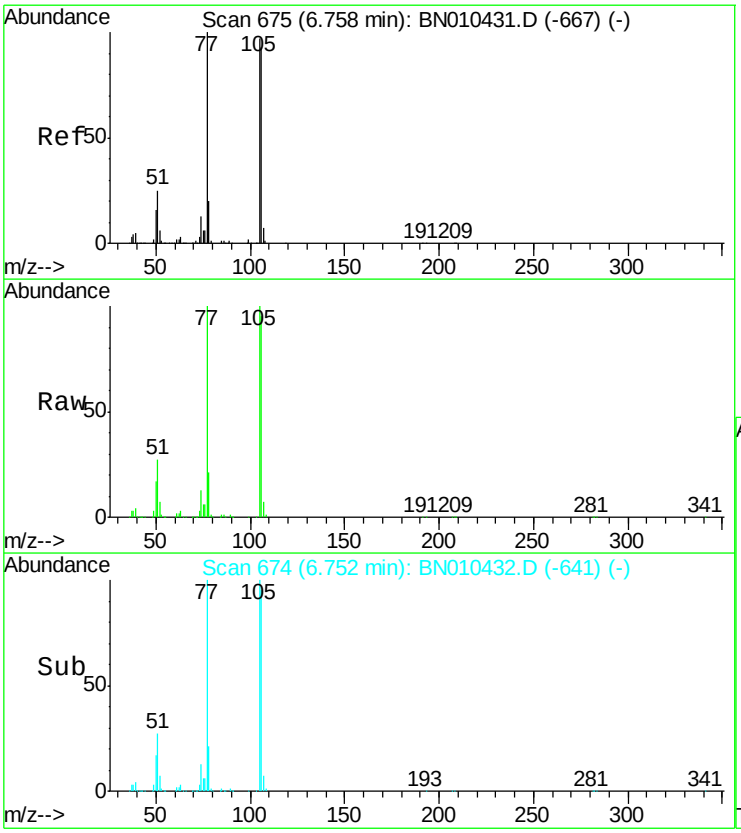
#2
1,4-Dioxane
Concen: 16.814 ng/uL
RT: 3.23 min Scan# 76
Delta R.T. -0.01 min
Lab File: BN010432.D
Acq: 08 Apr 2020 14:27

Instrument :
BNA_N
ClientSampleId :
DBF98

Tgt Ion: 88 Resp: 196939

Ion	Ratio	Lower	Upper
88	100		
43	18.9	15.4	23.2
58	46.9	39.0	58.4

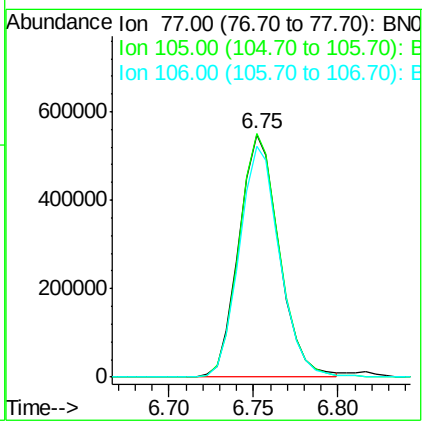


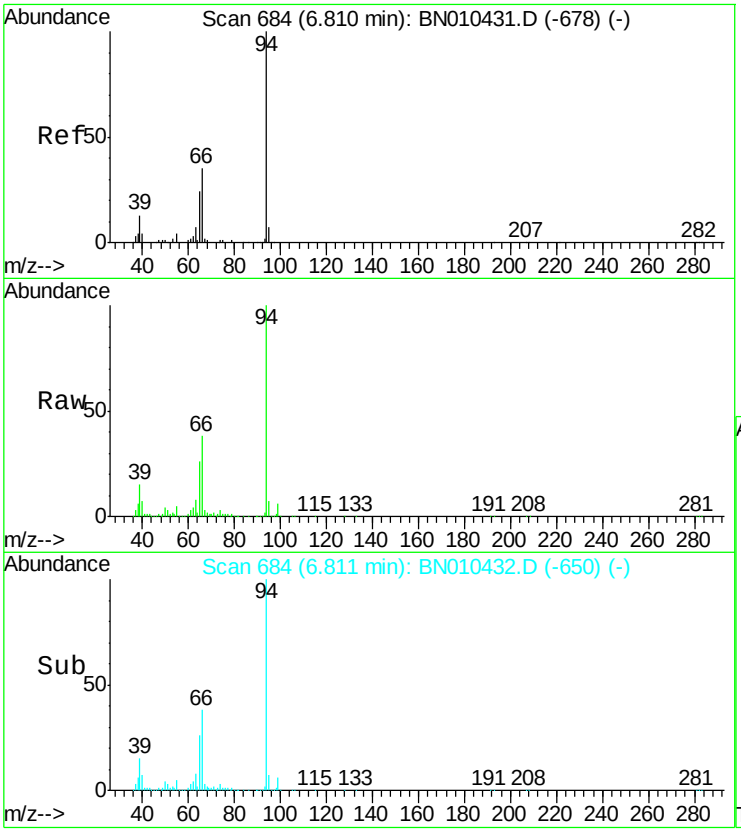


#4
Benzaldehyde
Concen: 40.532 ng/ul
RT: 6.75 min Scan# 674
Delta R.T. -0.01 min
Lab File: BN010432.D
Acq: 08 Apr 2020 14:27

Tgt Ion: 77 Resp: 905143

Ion	Ratio	Lower	Upper
77	100		
105	100.3	83.2	124.8
106	95.1	77.7	116.5



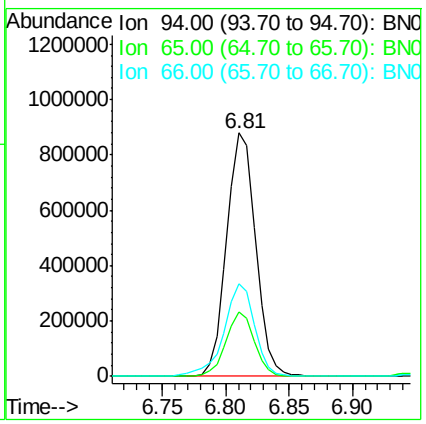


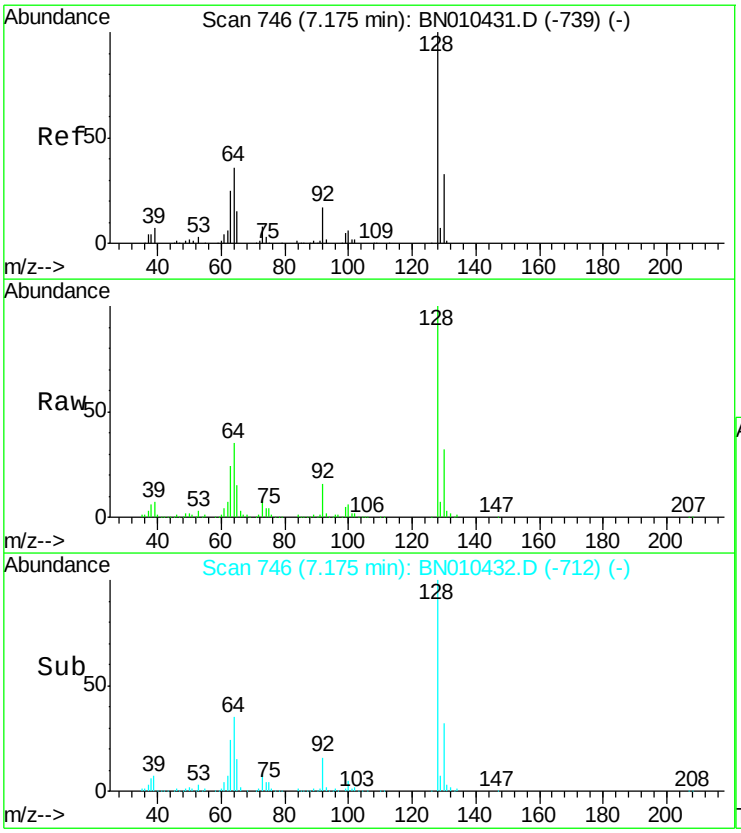
#6
Phenol
Concen: 30.450 ng/ul
RT: 6.81 min Scan# 684
Delta R.T. 0.00 min
Lab File: BN010432.D
Acq: 08 Apr 2020 14:27

Instrument :
BNA_N
ClientSampleId :
DBF98

Tgt Ion: 94 Resp: 1392822

Ion	Ratio	Lower	Upper
94	100		
65	26.5	20.1	30.1
66	38.2	27.7	41.5

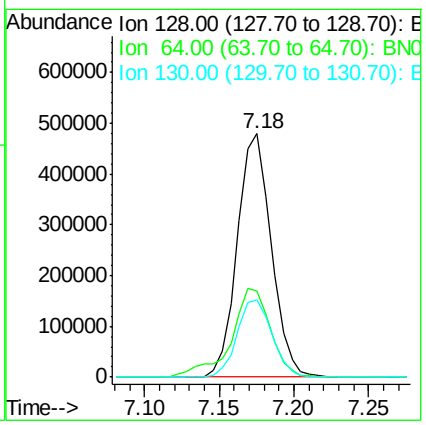


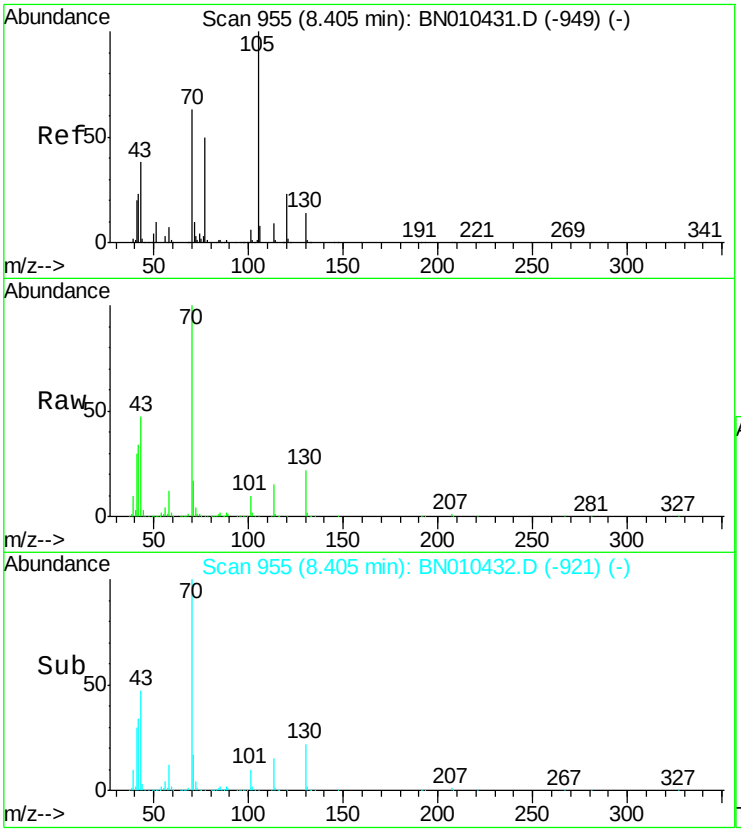


#10
2-Chlorophenol
Concen: 21.092 ng/ul
RT: 7.18 min Scan# 746
Delta R.T. 0.00 min
Lab File: BN010432.D
Acq: 08 Apr 2020 14:27

Tgt Ion:128 Resp: 758108

Ion	Ratio	Lower	Upper
128	100		
64	35.3	27.7	41.5
130	31.5	25.0	37.6



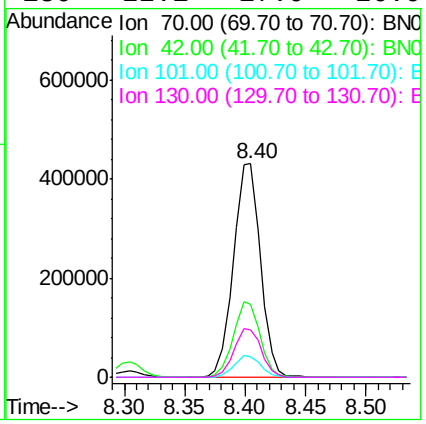


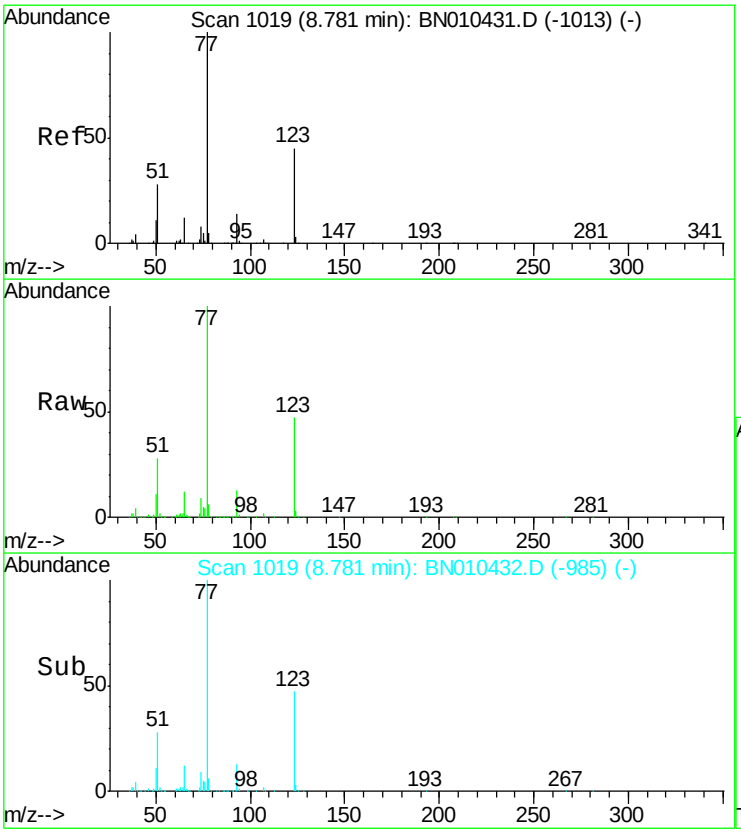
#15
N-Nitroso-di-n-propylamine
Concen: 24.558 ng/ul
RT: 8.40 min Scan# 955
Delta R.T. 0.00 min
Lab File: BN010432.D
Acq: 08 Apr 2020 14:27

Instrument :
BNA_N
ClientSampleId :
DBF98

Tgt Ion: 70 Resp: 672812

Ion	Ratio	Lower	Upper
70	100		
42	34.2	28.5	42.7
101	9.8	8.9	13.3
130	22.1	17.9	26.9

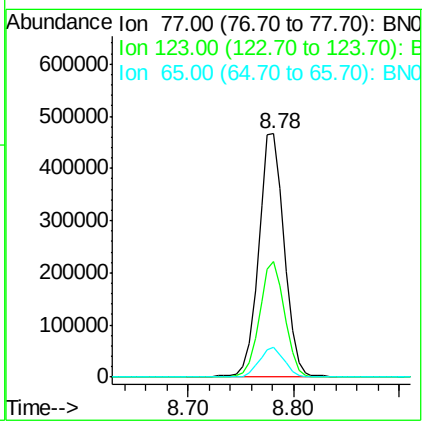


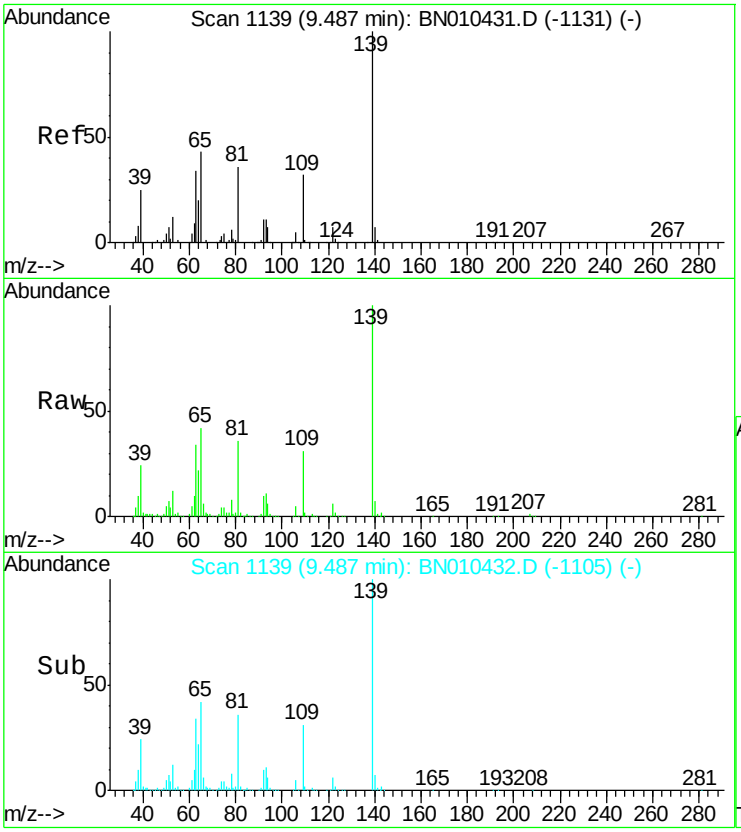


#20
Nitrobenzene
Concen: 19.279 ng/ul
RT: 8.78 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BN010432.D
Acq: 08 Apr 2020 14:27

Tgt Ion: 77 Resp: 782345

Ion	Ratio	Lower	Upper
77	100		
123	47.4	36.0	54.0
65	12.1	9.8	14.6



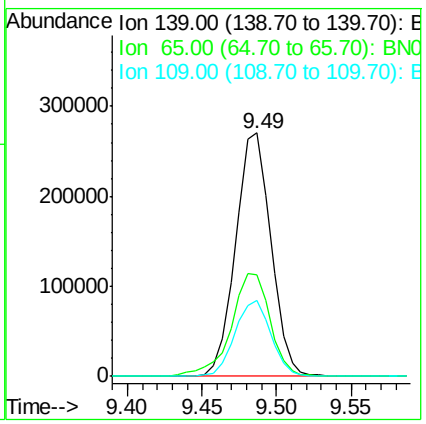


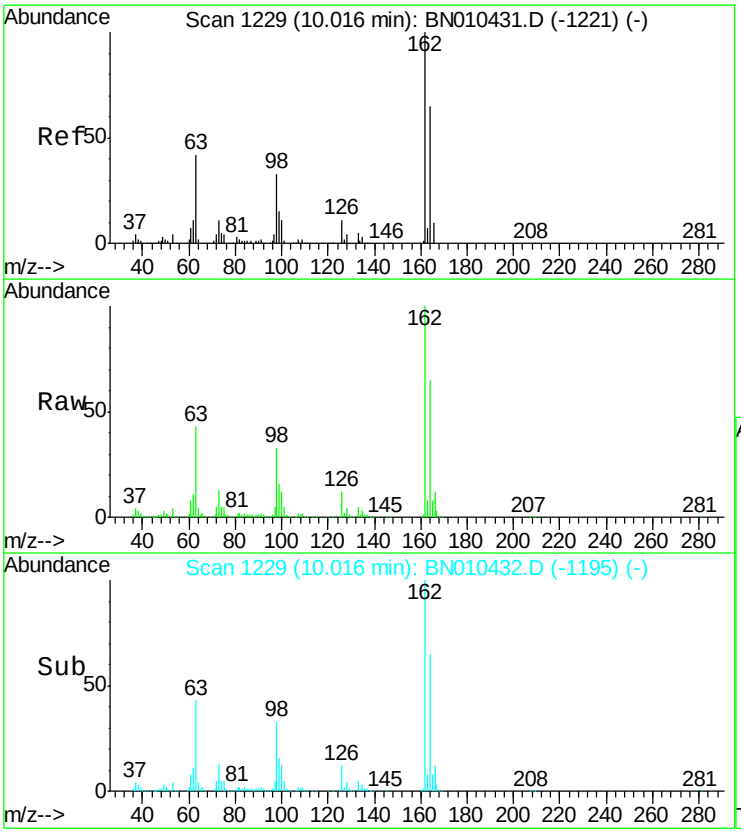
#23
2-Nitrophenol
Concen: 22.061 ng/ul
RT: 9.49 min Scan# 1139
Delta R.T. 0.00 min
Lab File: BN010432.D
Acq: 08 Apr 2020 14:27

Instrument :
BNA_N
ClientSampleId :
DBF98

Tgt Ion:139 Resp: 445519

Ion	Ratio	Lower	Upper
139	100		
65	41.8	34.6	51.8
109	31.4	23.7	35.5

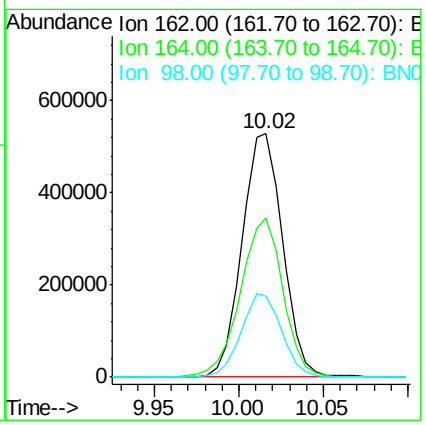


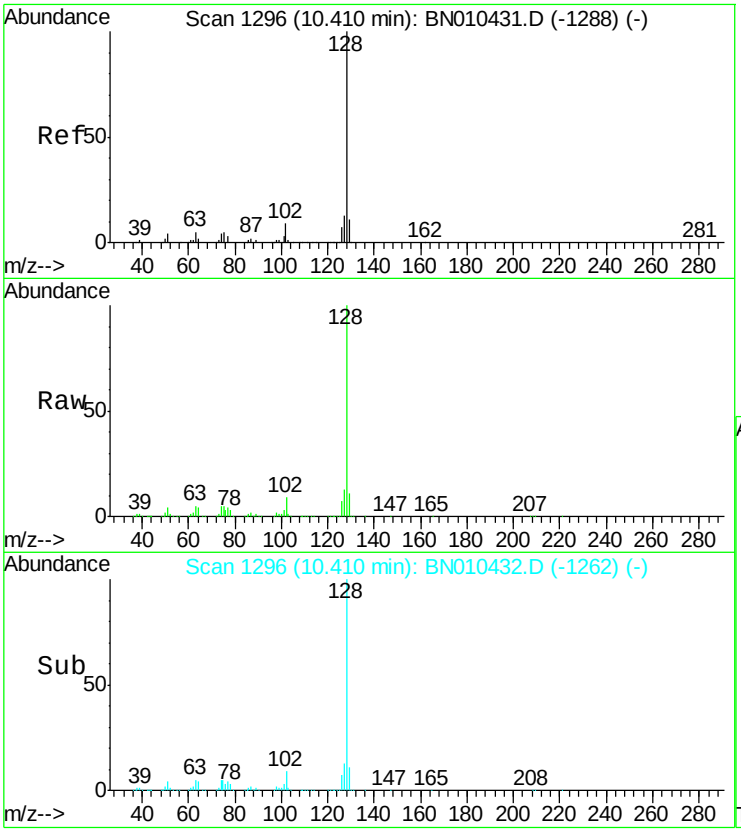


#27
2,4-Dichlorophenol
Concen: 23.902 ng/ul
RT: 10.02 min Scan# 1229
Delta R.T. 0.00 min
Lab File: BN010432.D
Acq: 08 Apr 2020 14:27

Tgt Ion:162 Resp: 884736

Ion	Ratio	Lower	Upper
162	100		
164	65.3	51.0	76.6
98	33.1	27.3	40.9



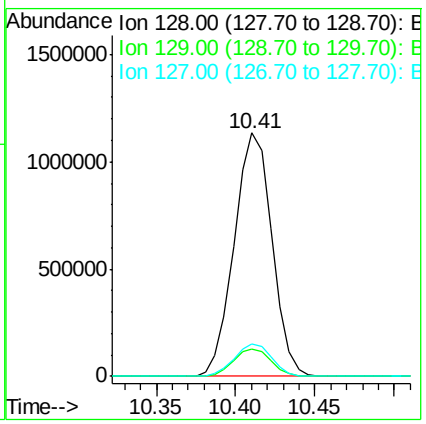


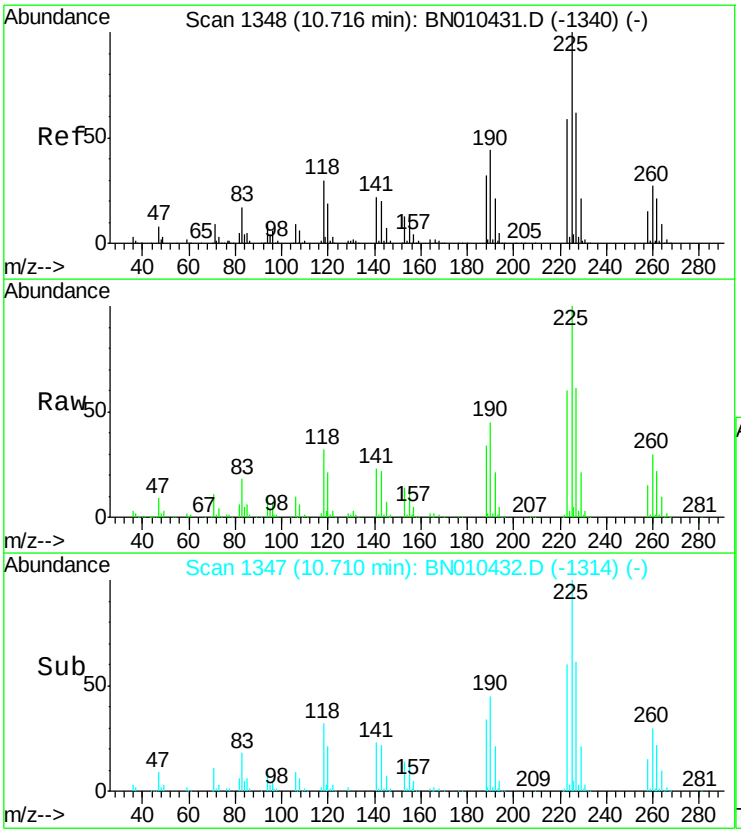
#28
Naphthalene
Concen: 15.546 ng/ul
RT: 10.41 min Scan# 1296
Delta R.T. 0.00 min
Lab File: BN010432.D
Acq: 08 Apr 2020 14:27

Instrument :
BNA_N
ClientSampleId :
DBF98

Tgt Ion:128 Resp: 1880753

Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.6	13.0
127	13.2	10.8	16.2

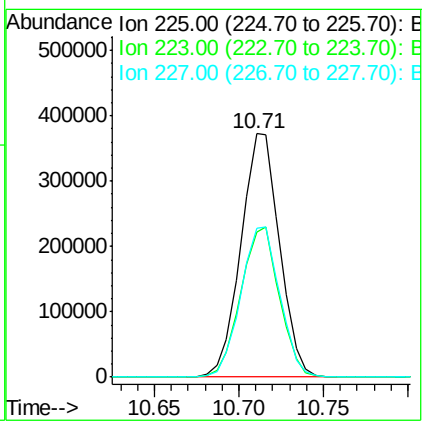


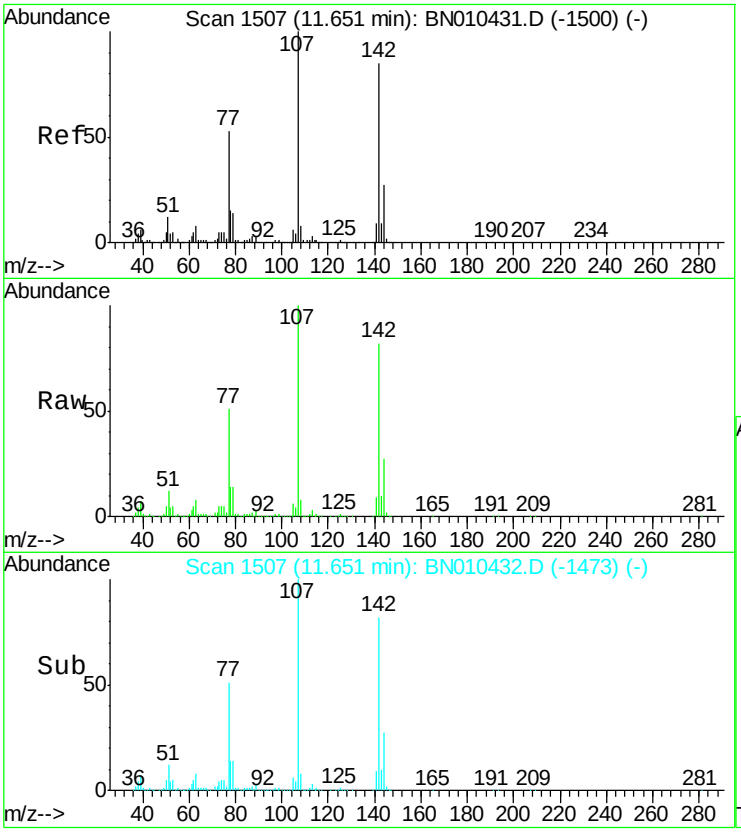


#31
Hexachlorobutadiene
Concen: 24.107 ng/ul
RT: 10.71 min Scan# 1347
Delta R.T. -0.01 min
Lab File: BN010432.D
Acq: 08 Apr 2020 14:27

Tgt Ion:225 Resp: 593302

Ion	Ratio	Lower	Upper
225	100		
223	59.7	51.5	77.3
227	61.0	52.6	79.0



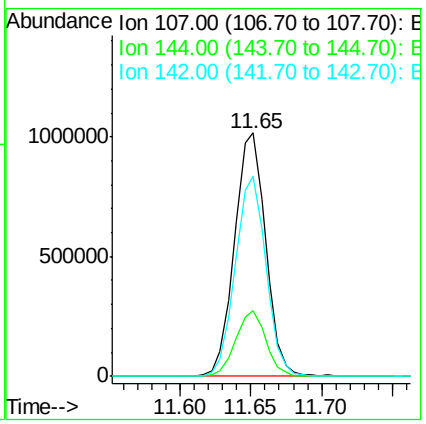


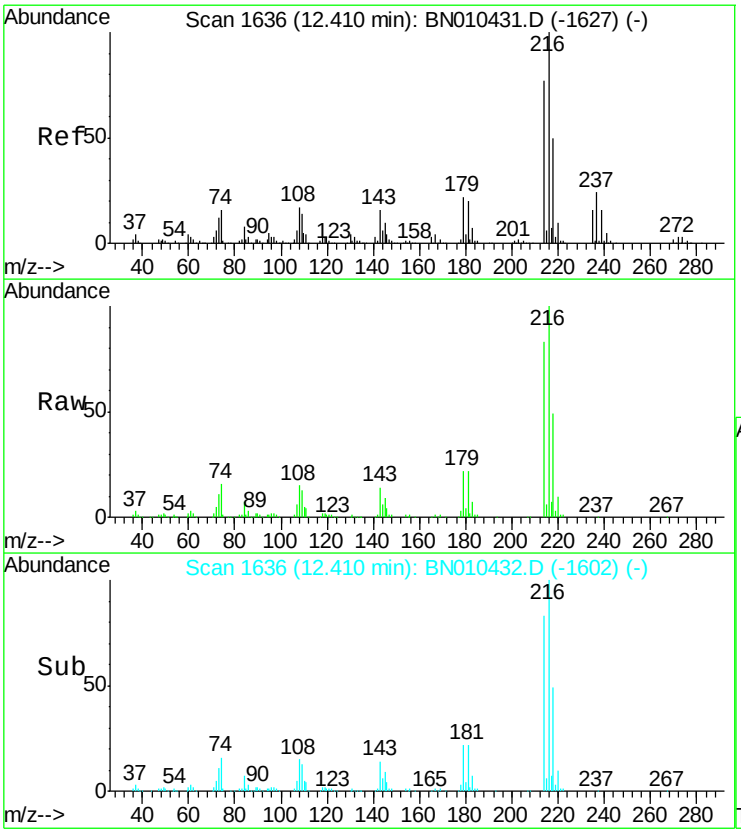
#33
4-Chloro-3-methylphenol
Concen: 40.225 ng/ul
RT: 11.65 min Scan# 1507
Delta R.T. 0.00 min
Lab File: BN010432.D
Acq: 08 Apr 2020 14:27

Instrument :
BNA_N
ClientSampleId :
DBF98

Tgt Ion:107 Resp: 1570072

Ion	Ratio	Lower	Upper
107	100		
144	26.8	21.3	31.9
142	82.4	68.9	103.3

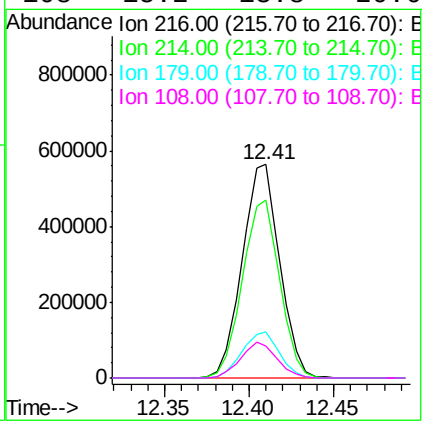


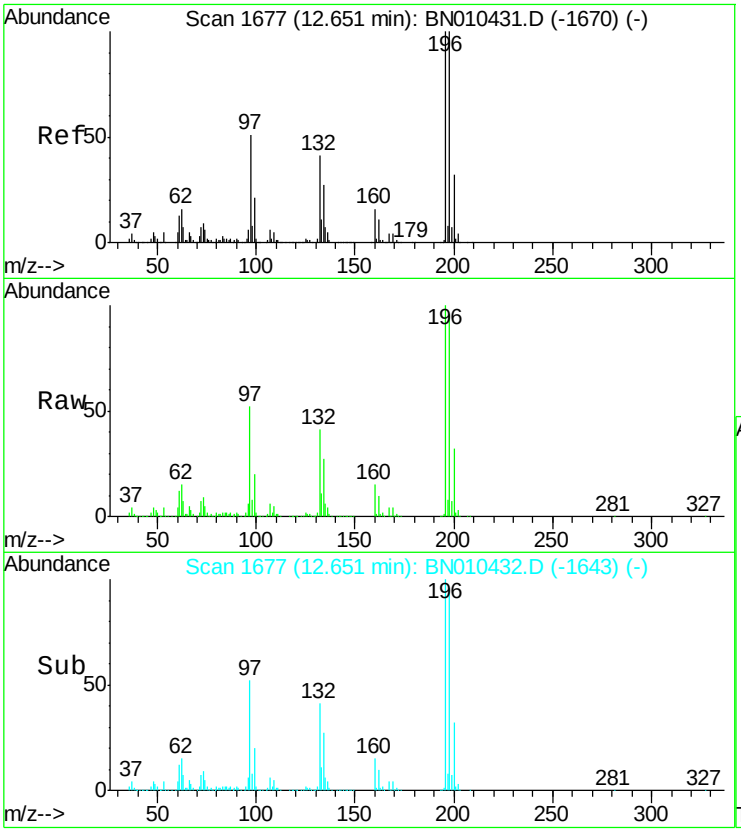


#37
1,2,4,5-Tetrachlorobenzene
Concen: 18.463 ng/ul
RT: 12.41 min Scan# 1636
Delta R.T. 0.00 min
Lab File: BN010432.D
Acq: 08 Apr 2020 14:27

Tgt Ion:216 Resp: 874623

Ion	Ratio	Lower	Upper
216	100		
214	83.1	62.7	94.1
179	21.8	17.1	25.7
108	15.2	13.8	20.6



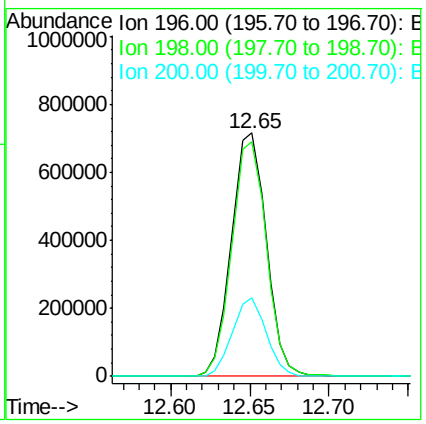


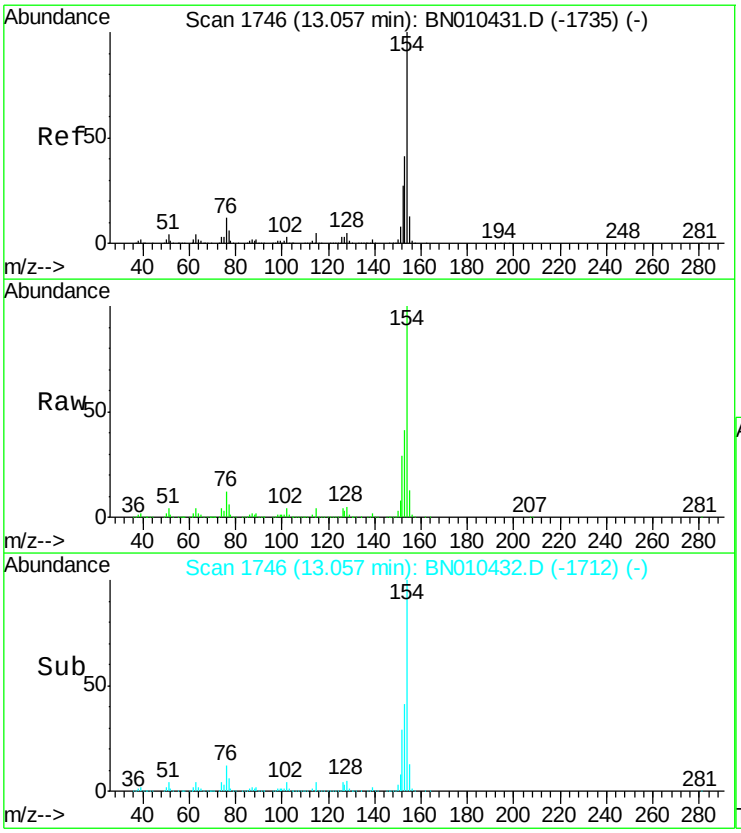
#39
2,4,6-Trichlorophenol
Concen: 36.312 ng/ul
RT: 12.65 min Scan# 1677
Delta R.T. 0.00 min
Lab File: BN010432.D
Acq: 08 Apr 2020 14:27

Instrument :
BNA_N
ClientSampleId :
DBF98

Tgt Ion:196 Resp: 1098800

Ion	Ratio	Lower	Upper
196	100		
198	96.5	74.7	112.1
200	32.5	23.1	34.7

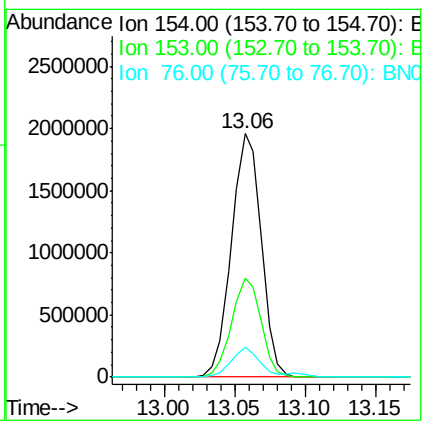


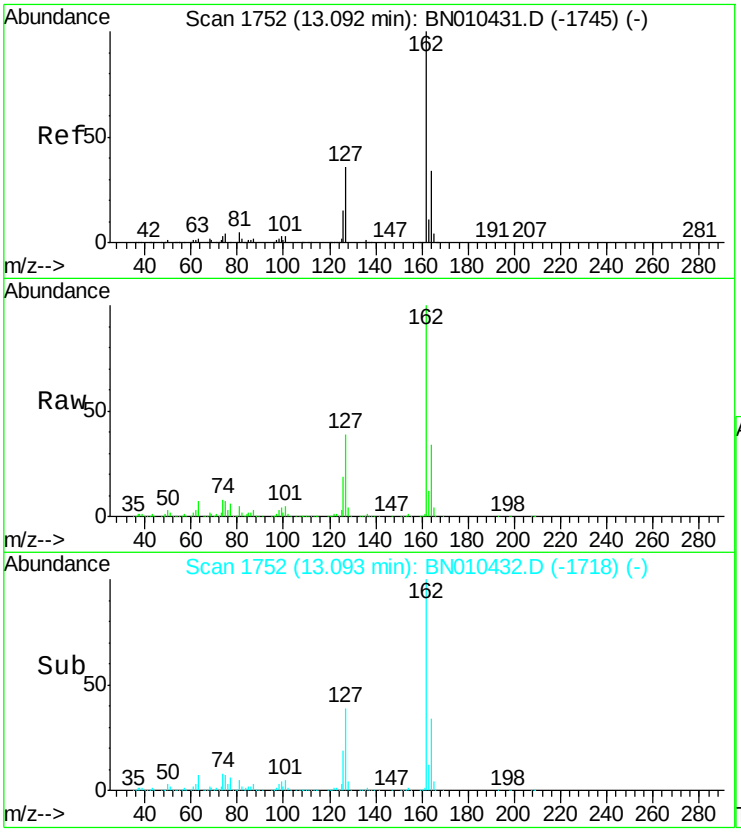


#41
1,1'-Biphenyl
Concen: 25.135 ng/ul
RT: 13.06 min Scan# 1746
Delta R.T. 0.00 min
Lab File: BN010432.D
Acq: 08 Apr 2020 14:27

Tgt Ion:154 Resp: 2873297

Ion	Ratio	Lower	Upper
154	100		
153	40.5	32.6	49.0
76	12.1	9.4	14.2



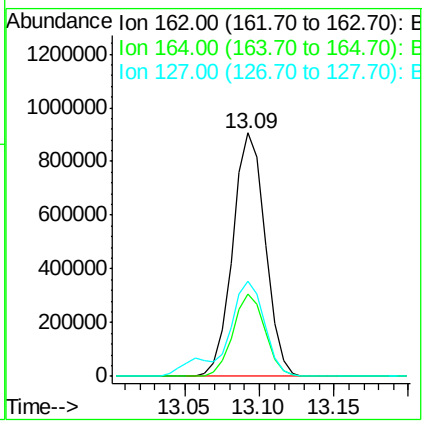


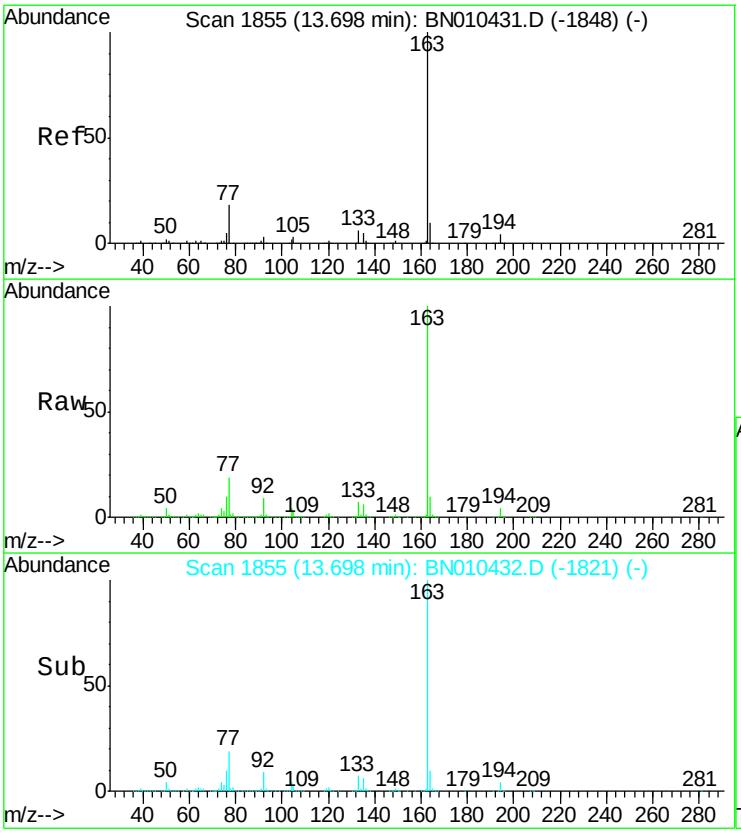
#42
2-Chloronaphthalene
Concen: 15.174 ng/ul
RT: 13.09 min Scan# 1752
Delta R.T. 0.00 min
Lab File: BN010432.D
Acq: 08 Apr 2020 14:27

Instrument :
BNA_N
ClientSampleId :
DBF98

Tgt Ion:162 Resp: 1378304

Ion	Ratio	Lower	Upper
162	100		
164	33.6	26.7	40.1
127	38.9	29.7	44.5

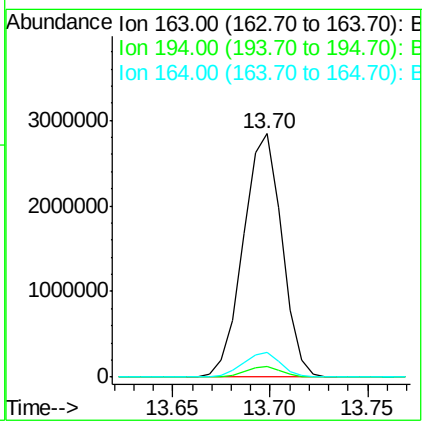


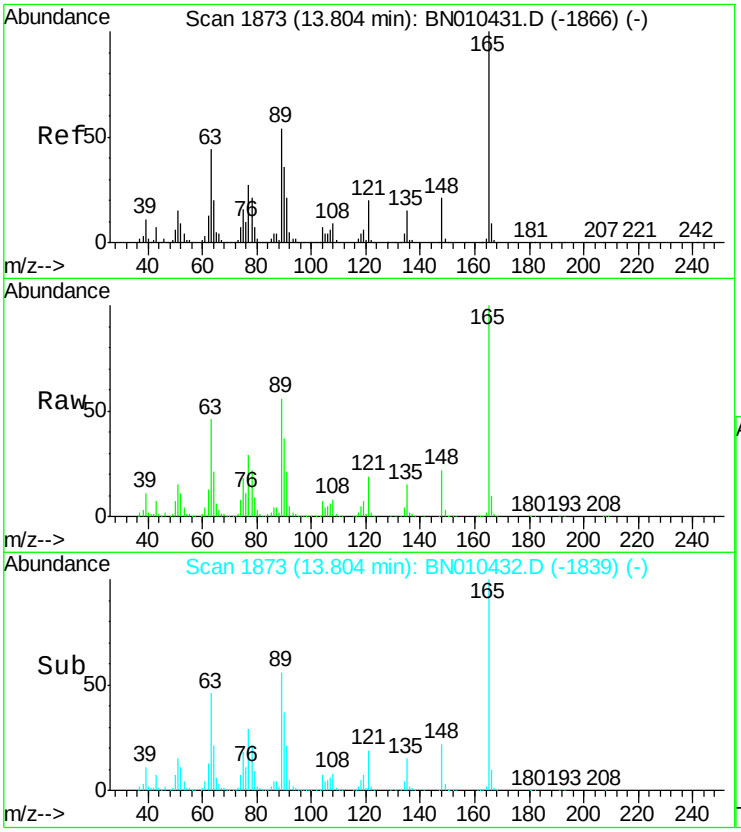


#45
Dimethylphthalate
Concen: 33.288 ng/ul
RT: 13.70 min Scan# 1855
Delta R.T. 0.00 min
Lab File: BN010432.D
Acq: 08 Apr 2020 14:27

Tgt Ion:163 Resp: 3896216

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.7	5.5
164	10.1	8.0	12.0



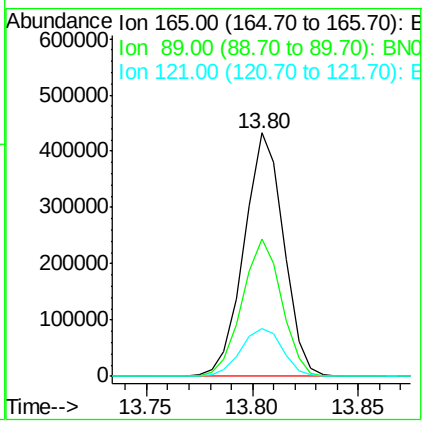


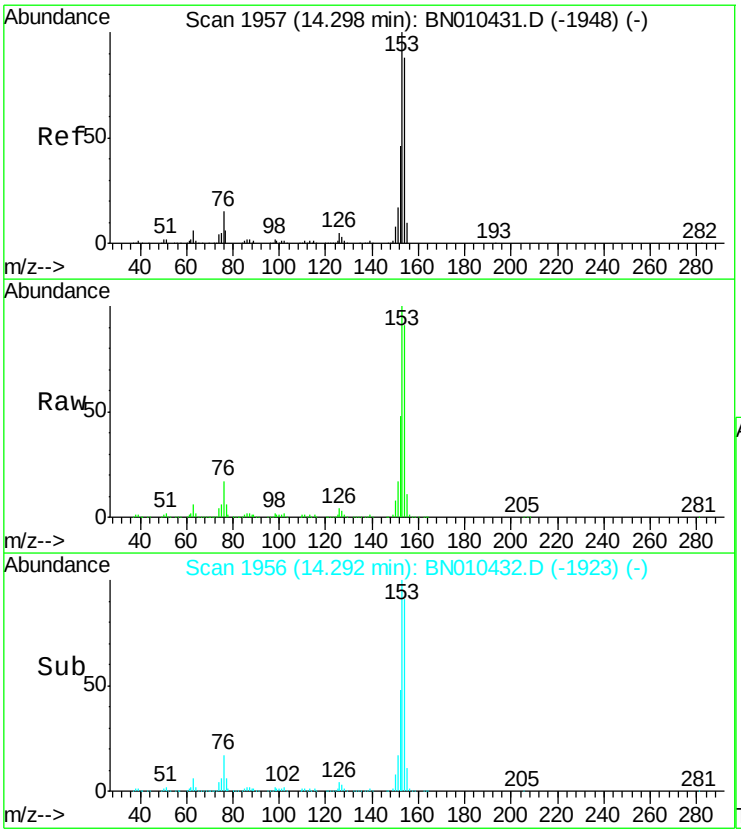
#46
2,6-Dinitrotoluene
Concen: 24.493 ng/ul
RT: 13.80 min Scan# 1873
Delta R.T. 0.00 min
Lab File: BN010432.D
Acq: 08 Apr 2020 14:27

Instrument :
BNA_N
ClientSampleId :
DBF98

Tgt Ion:165 Resp: 563503

Ion	Ratio	Lower	Upper
165	100		
89	56.2	44.0	66.0
121	19.4	16.2	24.4

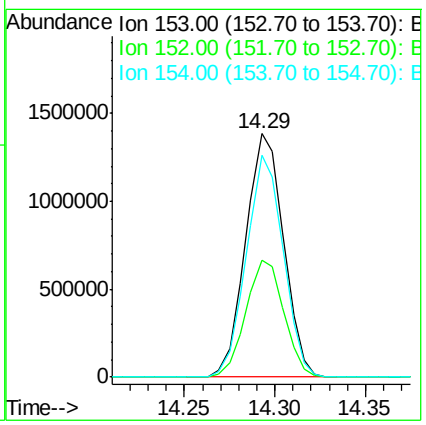


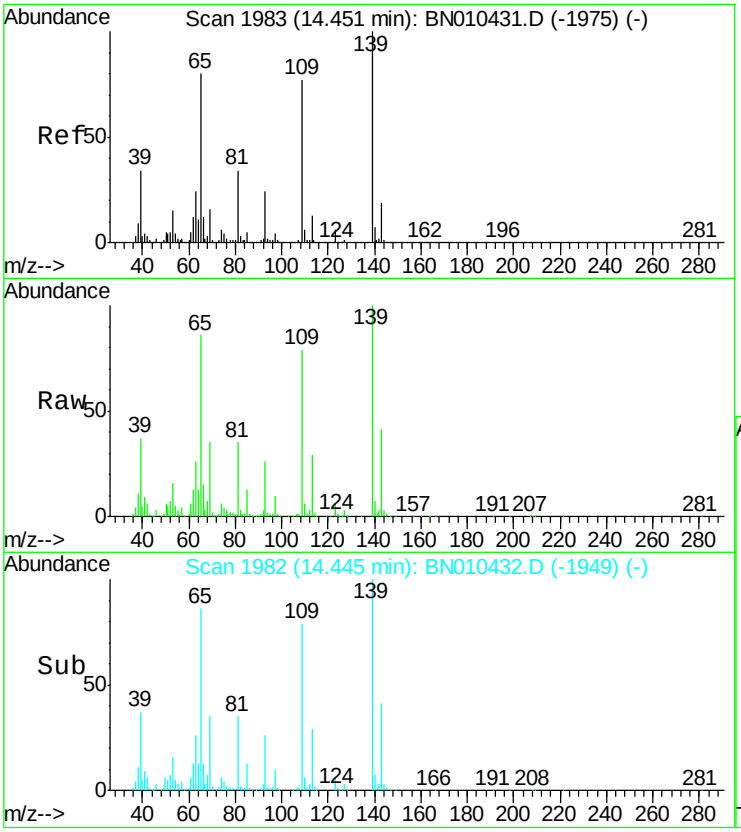


#50
Acenaphthene
Concen: 20.595 ng/ul
RT: 14.29 min Scan# 1956
Delta R.T. -0.01 min
Lab File: BN010432.D
Acq: 08 Apr 2020 14:27

Tgt Ion:153 Resp: 2021084

Ion	Ratio	Lower	Upper
153	100		
152	47.8	37.8	56.6
154	91.2	69.1	103.7



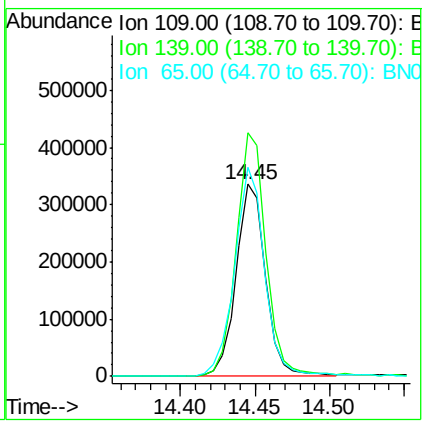


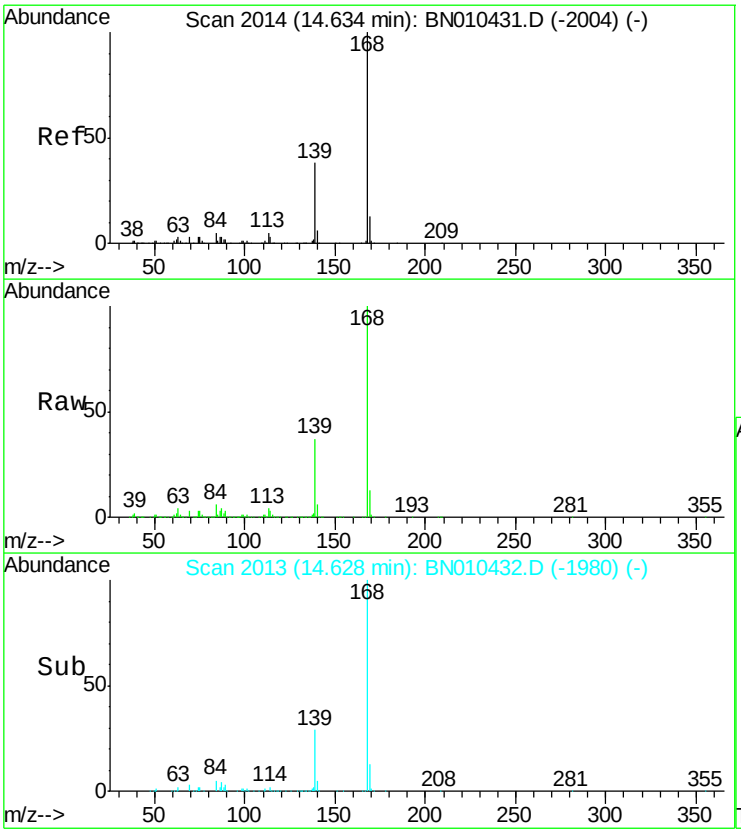
#53
4-Nitrophenol
Concen: 27.102 ng/ul
RT: 14.45 min Scan# 1982
Delta R.T. -0.01 min
Lab File: BN010432.D
Acq: 08 Apr 2020 14:27

Instrument :
BNA_N
ClientSampleId :
DBF98

Tgt Ion:109 Resp: 461261

Ion	Ratio	Lower	Upper
109	100		
139	126.8	106.1	159.1
65	108.6	89.0	133.6

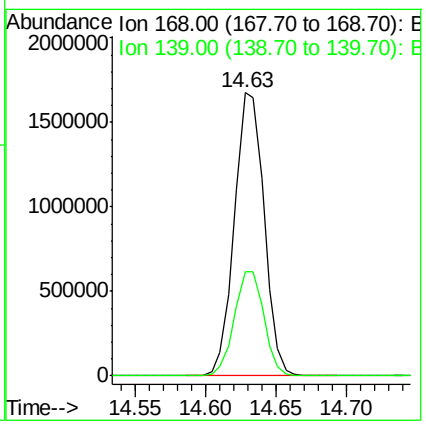


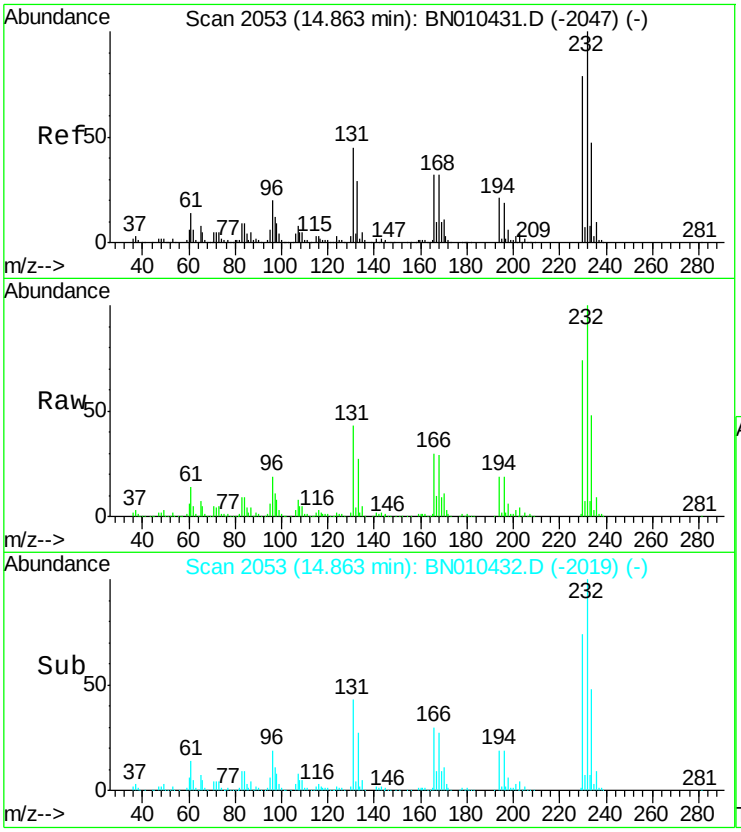


#54
Dibenzofuran
Concen: 17.773 ng/ul
RT: 14.63 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BN010432.D
Acq: 08 Apr 2020 14:27

Tgt Ion:168 Resp: 2456595

Ion	Ratio	Lower	Upper
168	100		
139	37.0	29.0	43.4



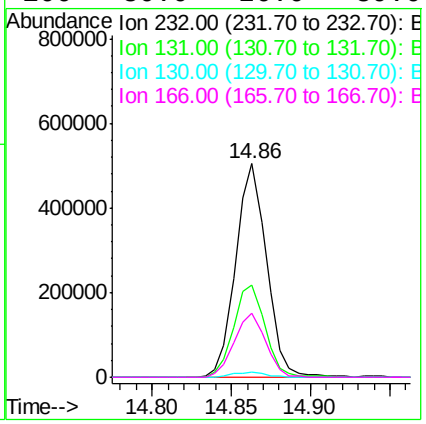


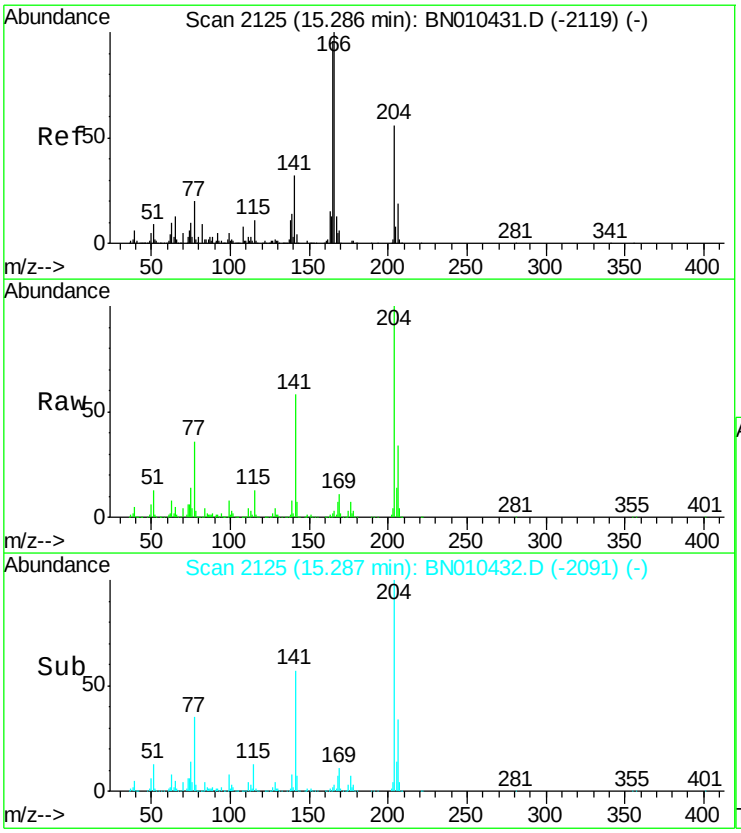
#56
2,3,4,6-Tetrachlorophenol
Concen: 24.018 ng/ul
RT: 14.86 min Scan# 2053
Delta R.T. 0.00 min
Lab File: BN010432.D
Acq: 08 Apr 2020 14:27

Instrument :
BNA_N
ClientSampleId :
DBF98

Tgt Ion:232 Resp: 681996

Ion	Ratio	Lower	Upper
232	100		
131	42.9	33.2	49.8
130	2.4	2.1	3.1
166	30.0	26.0	39.0

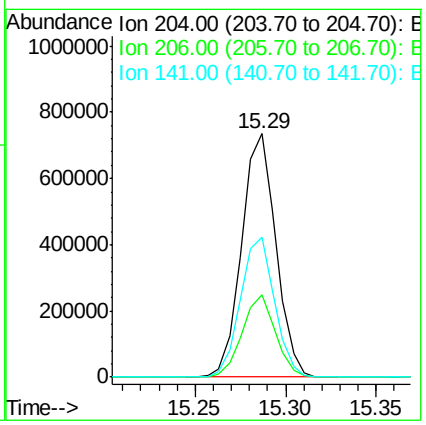


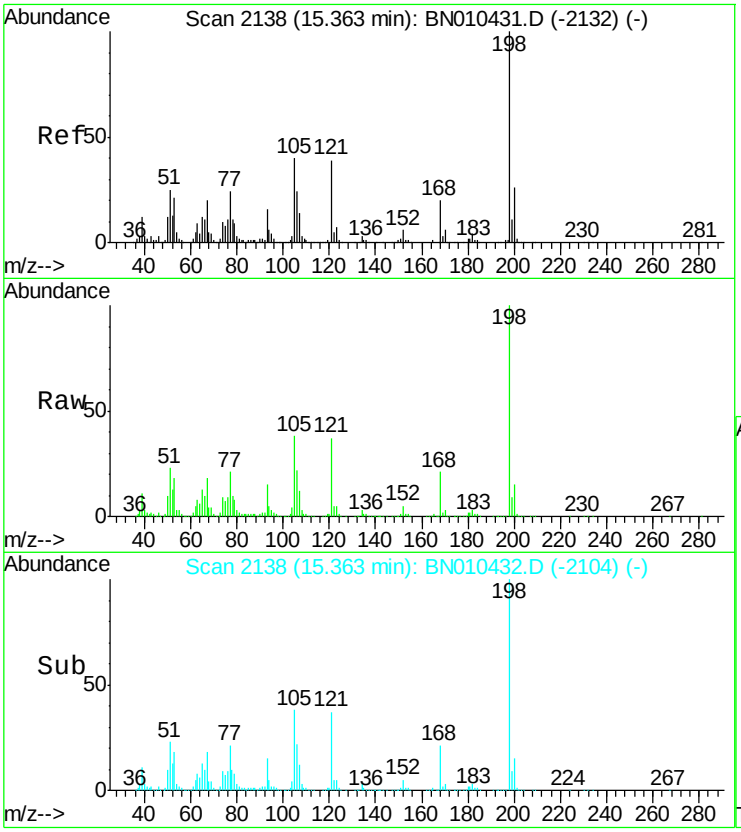


#60
4-Chlorophenyl-phenylether
Concen: 16.546 ng/ul
RT: 15.29 min Scan# 2125
Delta R.T. 0.00 min
Lab File: BN010432.D
Acq: 08 Apr 2020 14:27

Tgt Ion:204 Resp: 966289

Ion	Ratio	Lower	Upper
204	100		
206	34.0	26.0	39.0
141	57.5	45.7	68.5



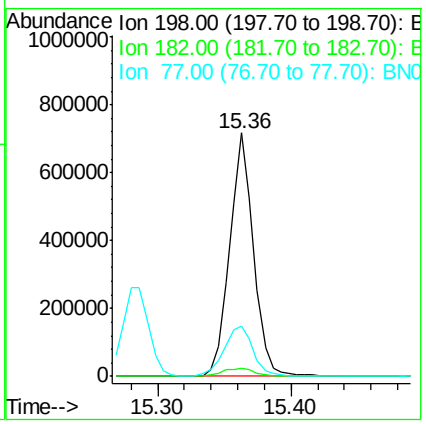


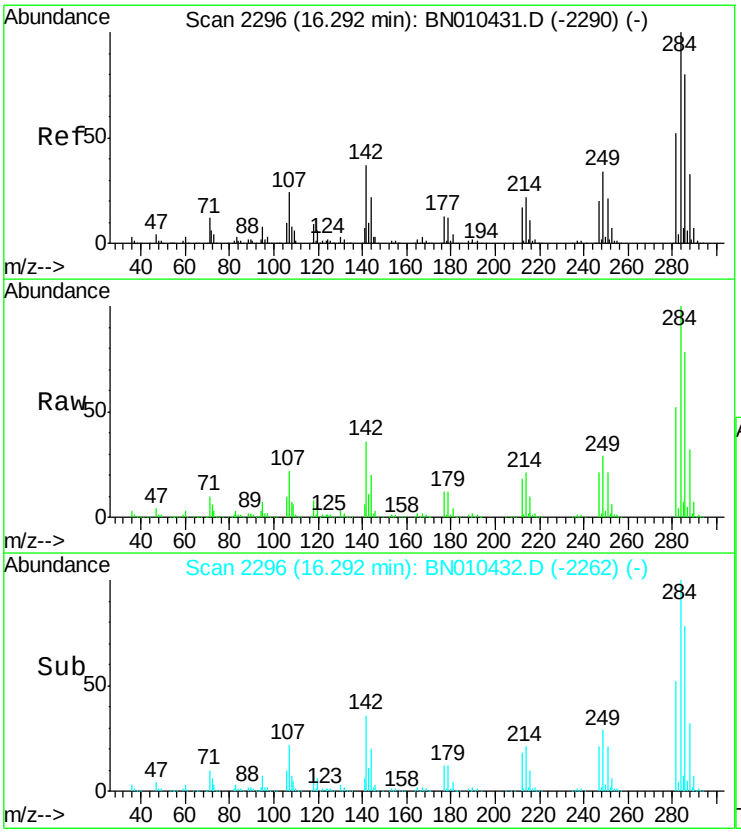
#64
4,6-Dinitro-2-methylphenol
Concen: 42.741 ng/ul
RT: 15.36 min Scan# 2138
Delta R.T. 0.00 min
Lab File: BN010432.D
Acq: 08 Apr 2020 14:27

Instrument :
BNA_N
ClientSampleId :
DBF98

Tgt Ion:198 Resp: 896596

Ion	Ratio	Lower	Upper
198	100		
182	3.3	3.4	5.2#
77	20.9	18.5	27.7

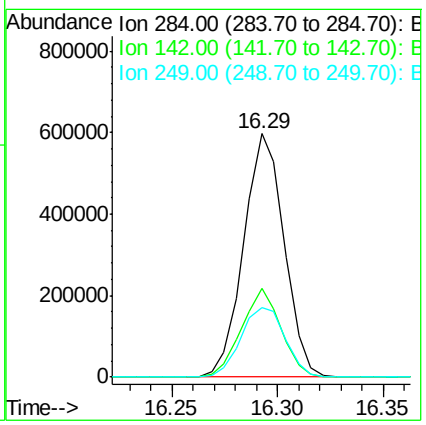


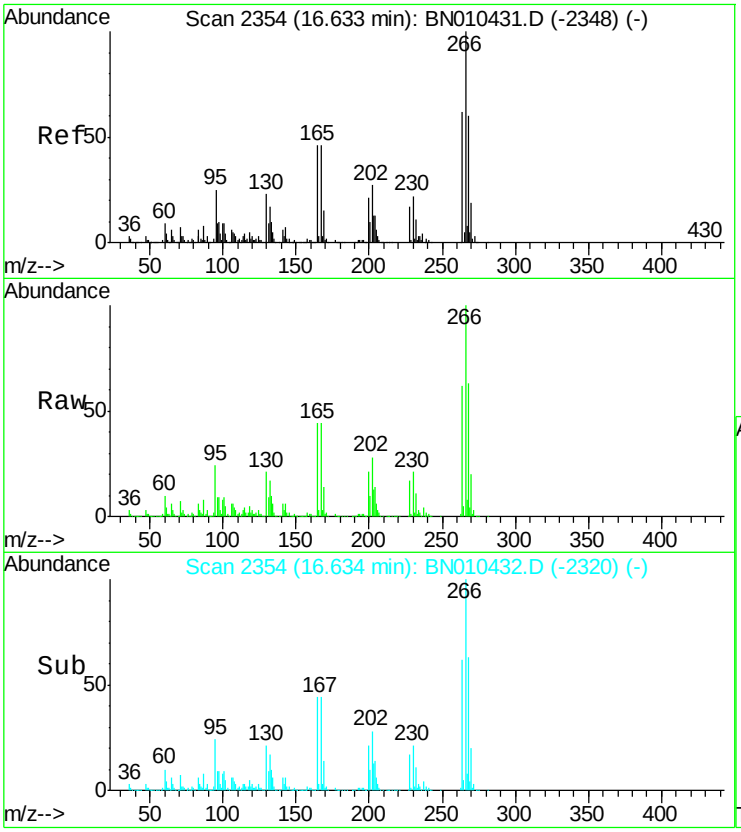


#67
Hexachlorobenzene
Concen: 19.973 ng/ul
RT: 16.29 min Scan# 2296
Delta R.T. 0.00 min
Lab File: BN010432.D
Acq: 08 Apr 2020 14:27

Tgt Ion:284 Resp: 796212

Ion	Ratio	Lower	Upper
284	100		
142	36.4	28.5	42.7
249	28.7	27.5	41.3



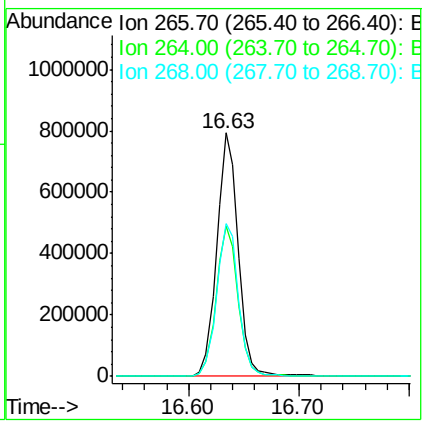


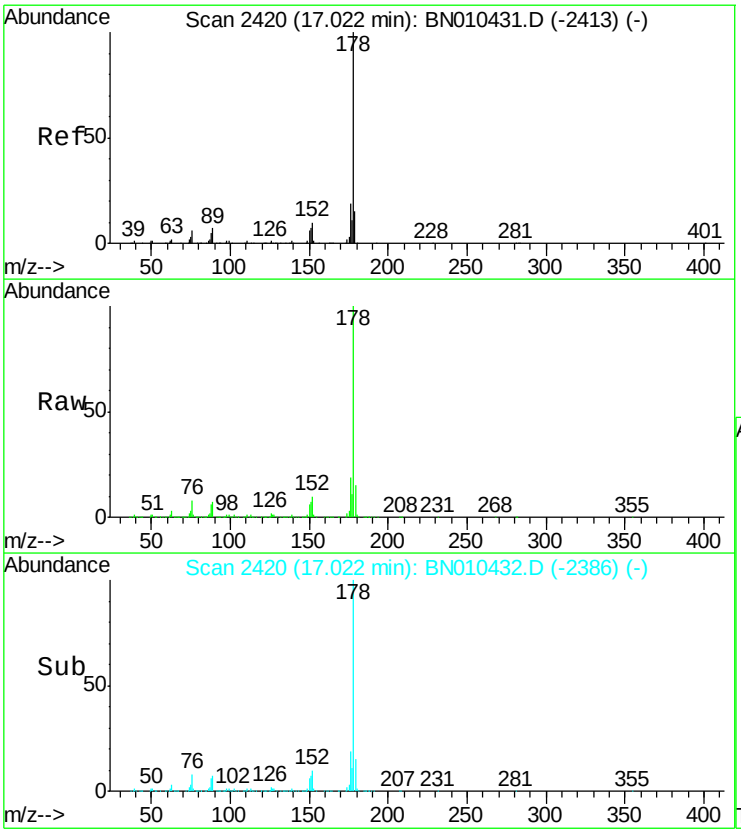
#69
Pentachlorophenol
Concen: 43.899 ng/ul
RT: 16.63 min Scan# 2354
Delta R.T. 0.00 min
Lab File: BN010432.D
Acq: 08 Apr 2020 14:27

Instrument :
BNA_N
ClientSampleId :
DBF98

Tgt Ion:266 Resp: 1070123

Ion	Ratio	Lower	Upper
266	100		
264	61.8	48.7	73.1
268	62.7	47.8	71.6

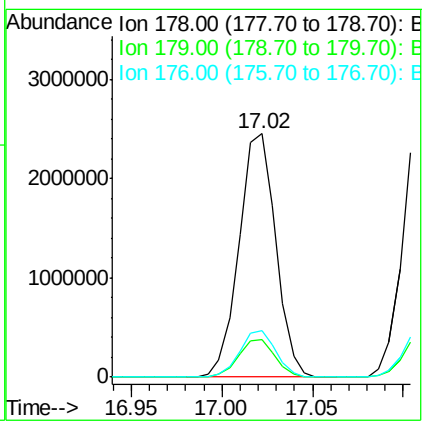


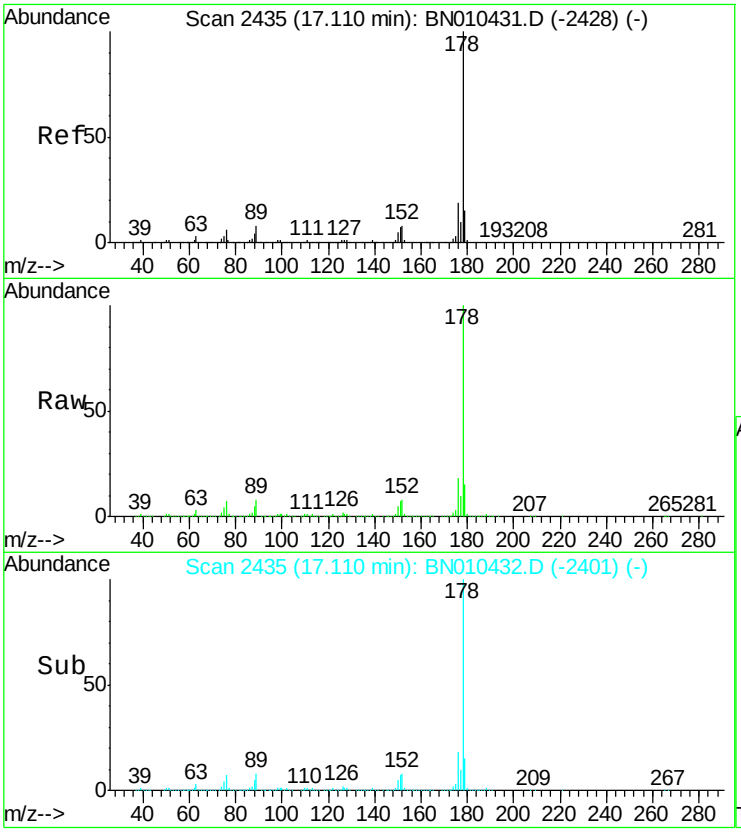


#70
Phenanthrene
Concen: 18.629 ng/ul
RT: 17.02 min Scan# 2420
Delta R.T. 0.00 min
Lab File: BN010432.D
Acq: 08 Apr 2020 14:27

Tgt Ion:178 Resp: 3446049

Ion	Ratio	Lower	Upper
178	100		
179	15.4	11.9	17.9
176	19.0	15.4	23.2



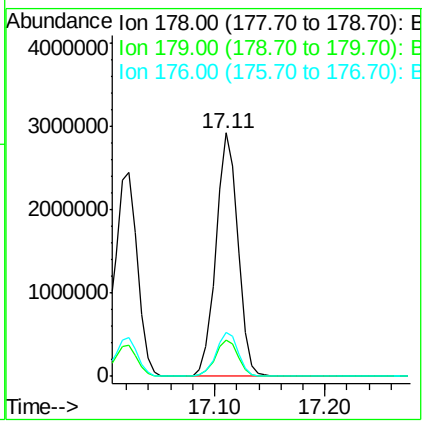


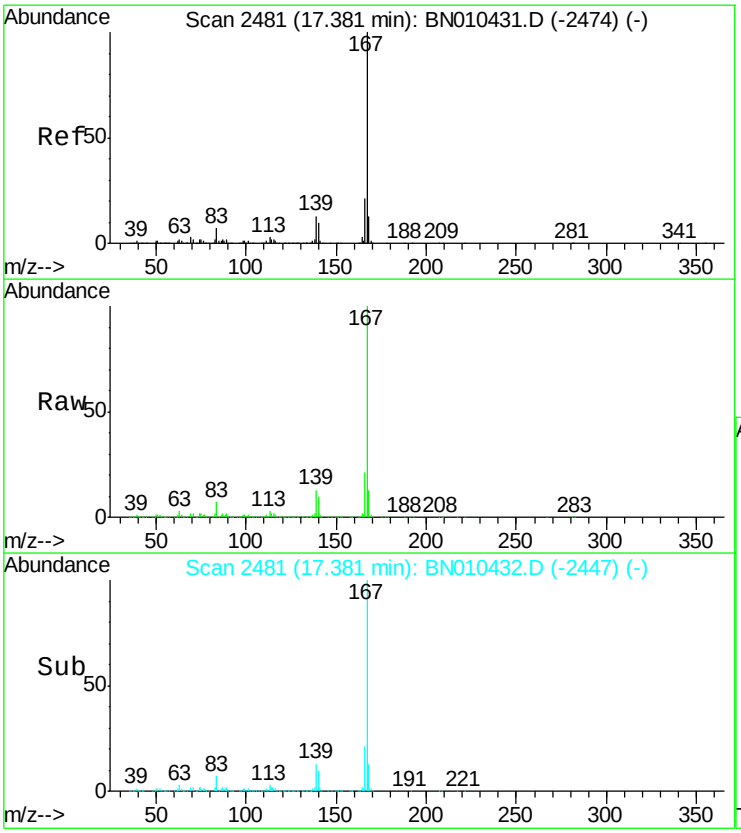
#72
Anthracene
Concen: 21.827 ng/ul
RT: 17.11 min Scan# 2435
Delta R.T. 0.00 min
Lab File: BN010432.D
Acq: 08 Apr 2020 14:27

Instrument :
BNA_N
ClientSampleId :
DBF98

Tgt Ion:178 Resp: 4038276

Ion	Ratio	Lower	Upper
178	100		
179	15.0	12.9	19.3
176	18.1	15.2	22.8

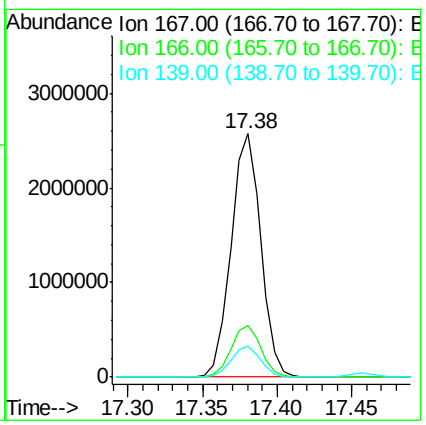


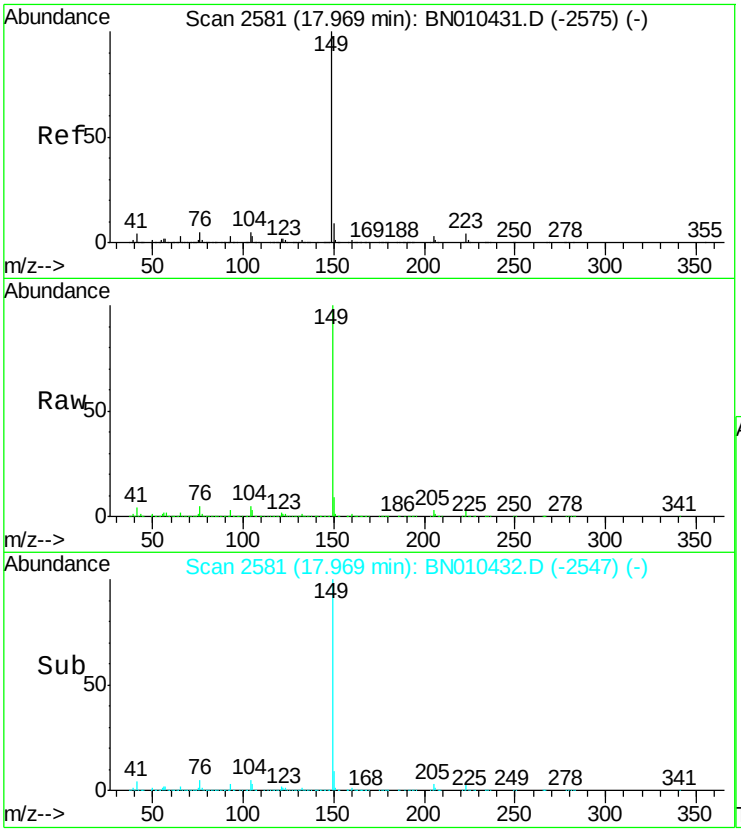


#75
Carbazole
Concen: 23.226 ng/ul
RT: 17.38 min Scan# 2481
Delta R.T. 0.00 min
Lab File: BN010432.D
Acq: 08 Apr 2020 14:27

Tgt Ion:167 Resp: 3573313

Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.3	25.9
139	12.8	10.0	15.0



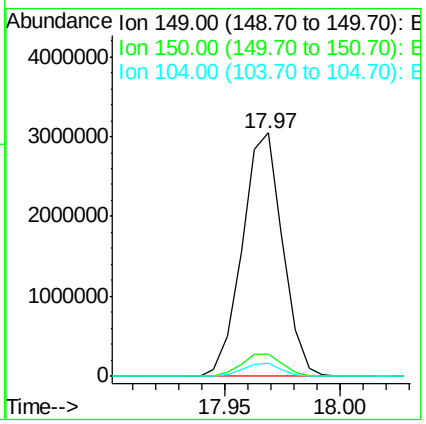


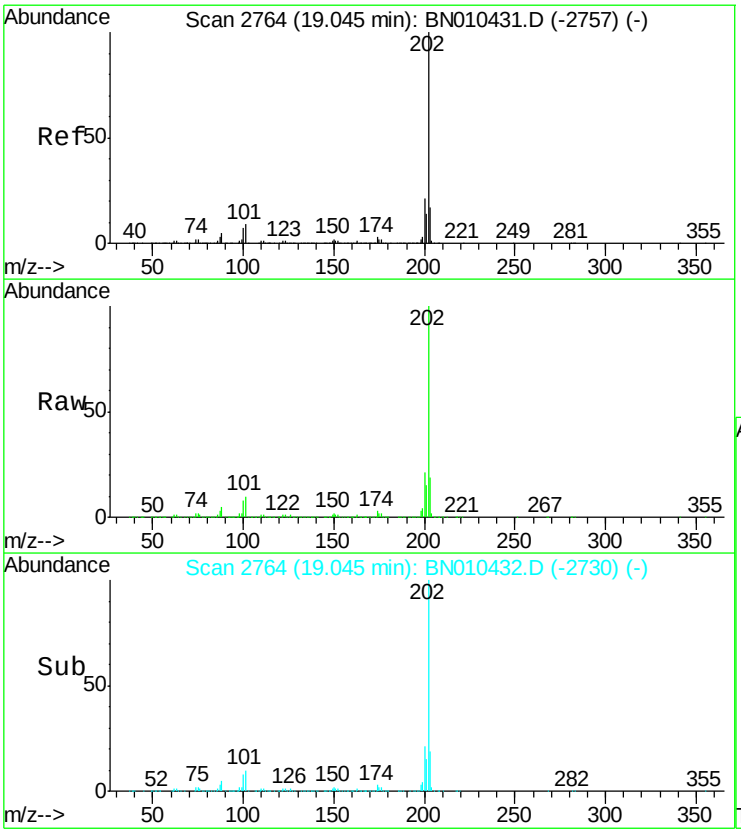
#76
Di-n-butylphthalate
Concen: 19.442 ng/ul
RT: 17.97 min Scan# 2581
Delta R.T. 0.00 min
Lab File: BN010432.D
Acq: 08 Apr 2020 14:27

Instrument :
BNA_N
ClientSampleId :
DBF98

Tgt Ion:149 Resp: 3717552

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.4	11.0
104	5.2	3.9	5.9

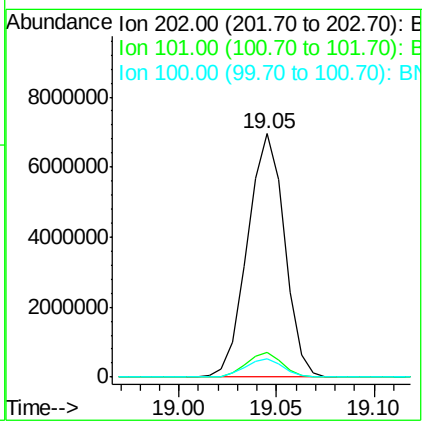


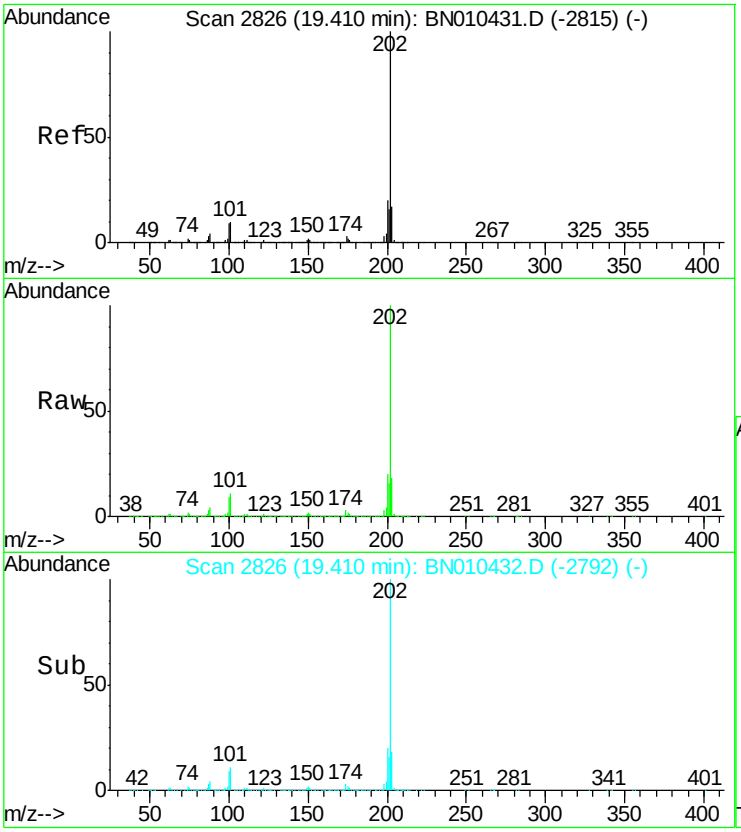


#77
Fluoranthene
Concen: 46.437 ng/ul
RT: 19.05 min Scan# 2764
Delta R.T. 0.00 min
Lab File: BN010432.D
Acq: 08 Apr 2020 14:27

Tgt Ion:202 Resp: 9148334

Ion	Ratio	Lower	Upper
202	100		
101	10.0	8.1	12.1
100	7.8	6.2	9.4



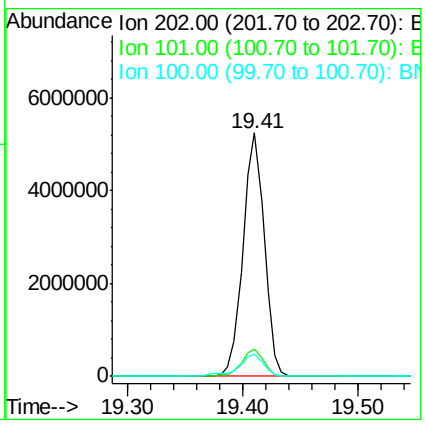


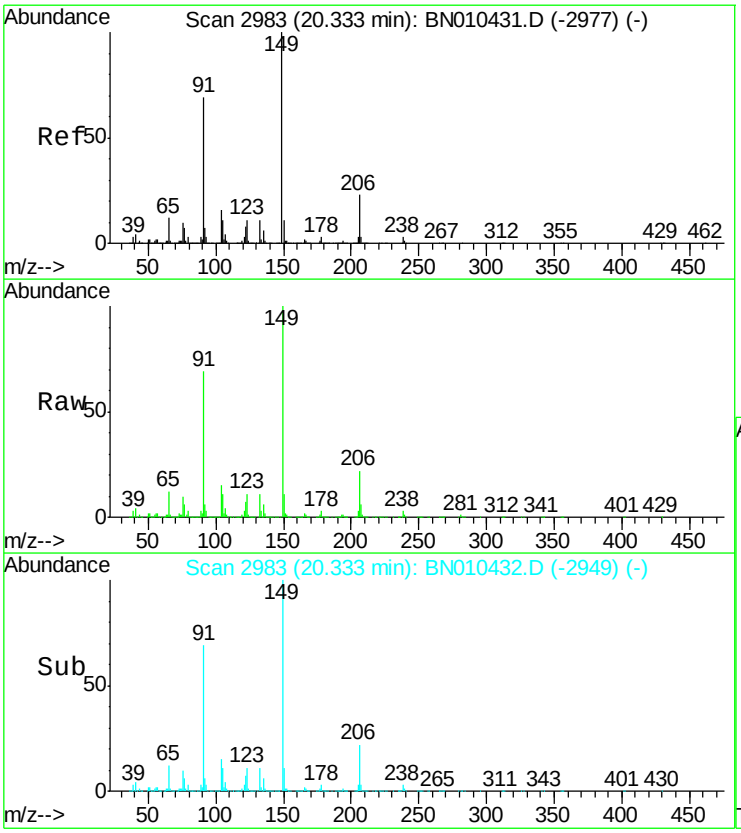
#80
Pyrene
Concen: 28.207 ng/ul
RT: 19.41 min Scan# 2826
Delta R.T. 0.00 min
Lab File: BN010432.D
Acq: 08 Apr 2020 14:27

Instrument :
BNA_N
ClientSampleId :
DBF98

Tgt Ion:202 Resp: 6716101

Ion	Ratio	Lower	Upper
202	100		
101	11.0	9.6	14.4
100	9.0	8.1	12.1

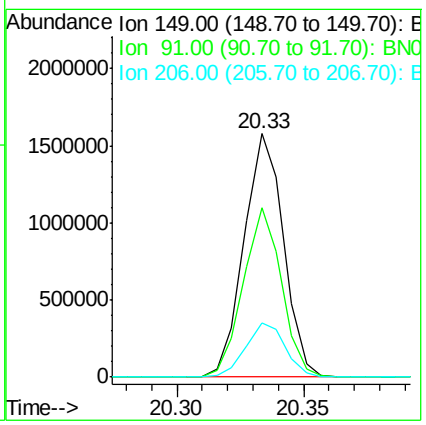


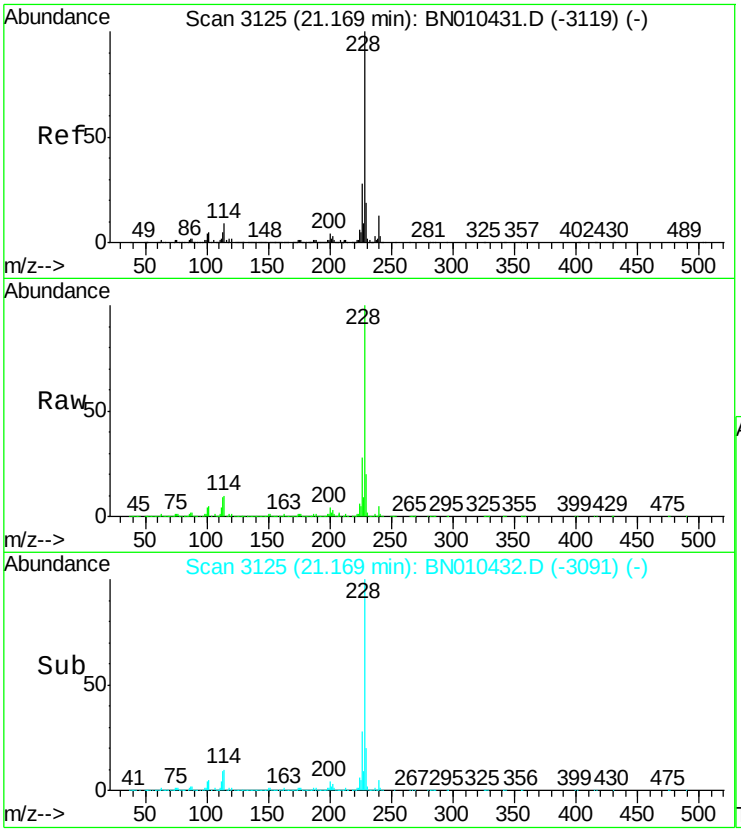


#81
Butylbenzylphthalate
Concen: 17.940 ng/ul
RT: 20.33 min Scan# 2983
Delta R.T. 0.00 min
Lab File: BN010432.D
Acq: 08 Apr 2020 14:27

Tgt Ion:149 Resp: 1703583

Ion	Ratio	Lower	Upper
149	100		
91	69.3	51.4	77.2
206	22.0	19.0	28.4



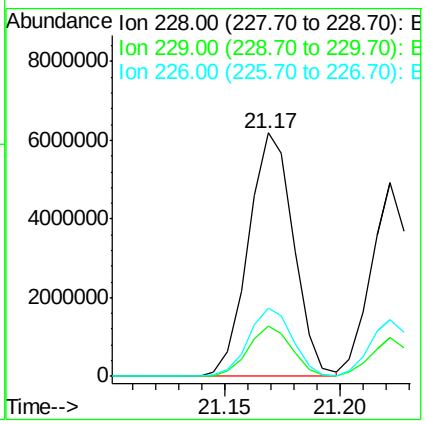


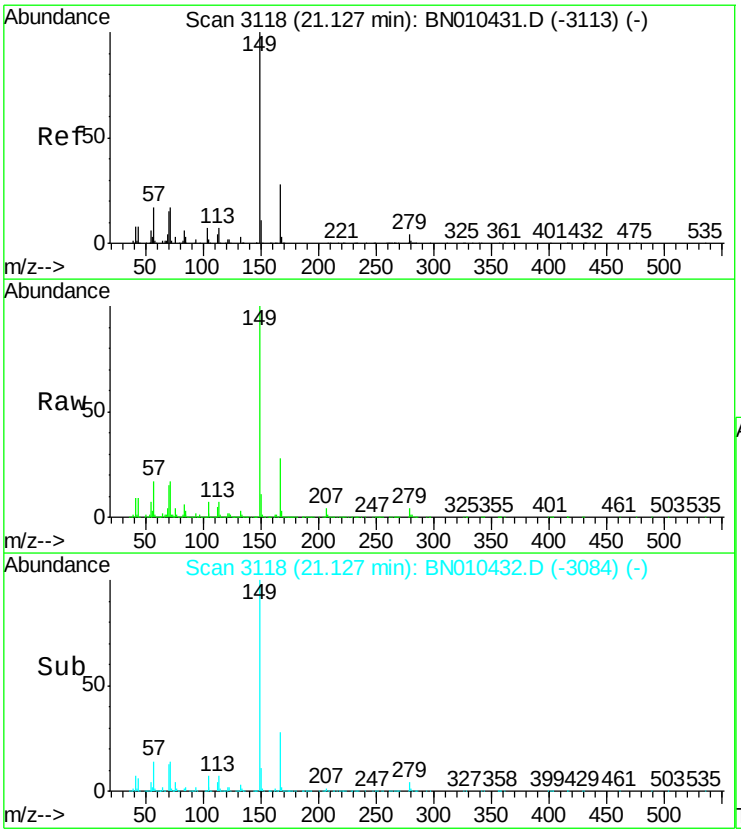
#83
Benzo(a)anthracene
Concen: 35.201 ng/ul
RT: 21.17 min Scan# 3125
Delta R.T. 0.00 min
Lab File: BN010432.D
Acq: 08 Apr 2020 14:27

Instrument :
BNA_N
ClientSampleId :
DBF98

Tgt Ion:228 Resp: 8421304

Ion	Ratio	Lower	Upper
228	100		
229	20.5	15.7	23.5
226	28.1	21.0	31.6

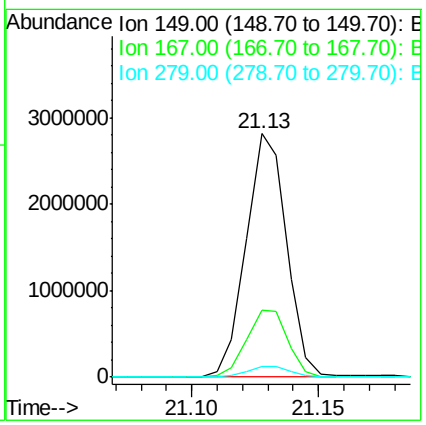


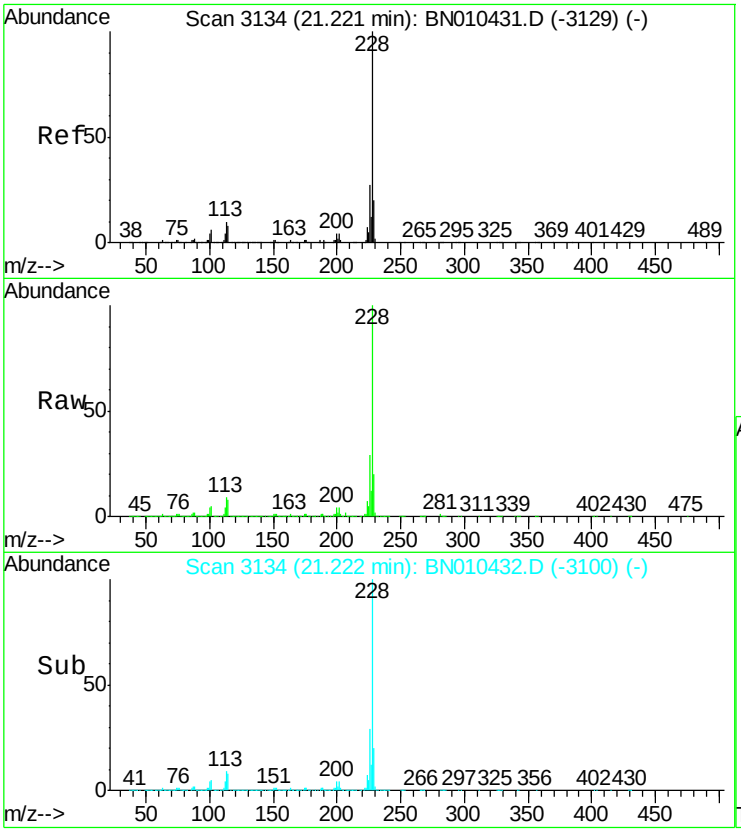


#84
Bis(2-ethylhexyl)phthalate
Concen: 22.339 ng/ul
RT: 21.13 min Scan# 3118
Delta R.T. 0.00 min
Lab File: BN010432.D
Acq: 08 Apr 2020 14:27

Tgt Ion:149 Resp: 3139042

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.1	33.1
279	4.4	3.8	5.6



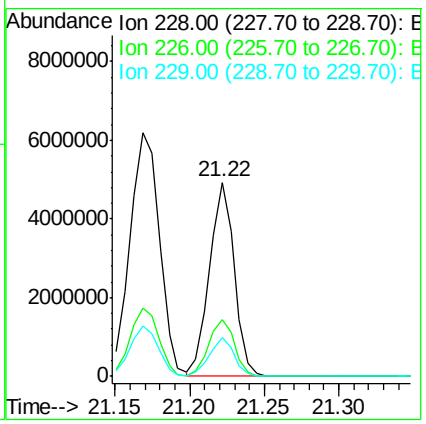


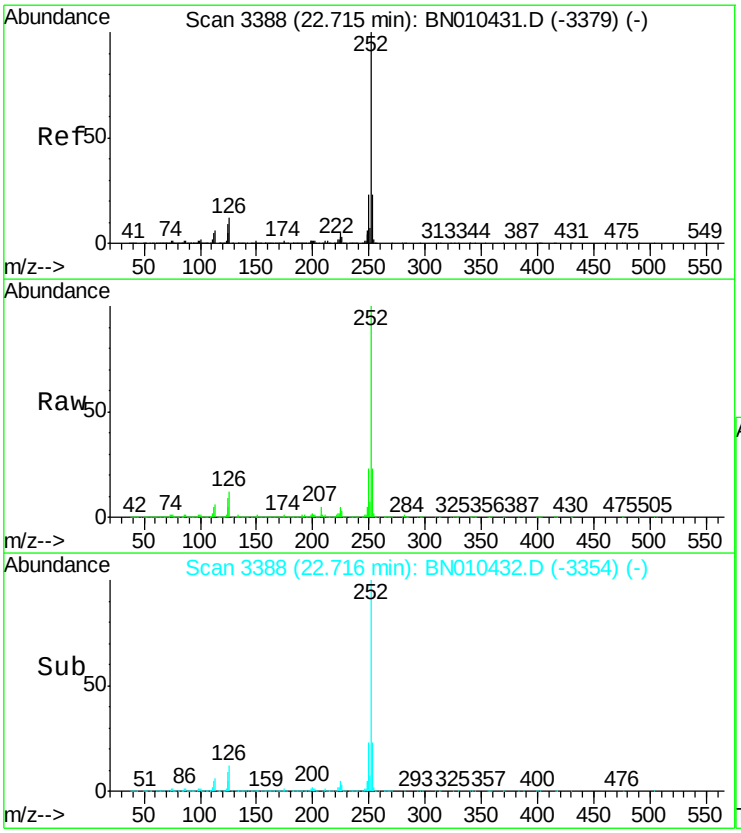
#85
Chrysene
Concen: 24.979 ng/ul
RT: 21.22 min Scan# 3134
Delta R.T. 0.00 min
Lab File: BN010432.D
Acq: 08 Apr 2020 14:27

Instrument :
BNA_N
ClientSampleId :
DBF98

Tgt Ion:228 Resp: 5698697

Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.0	34.6
229	20.0	15.7	23.5

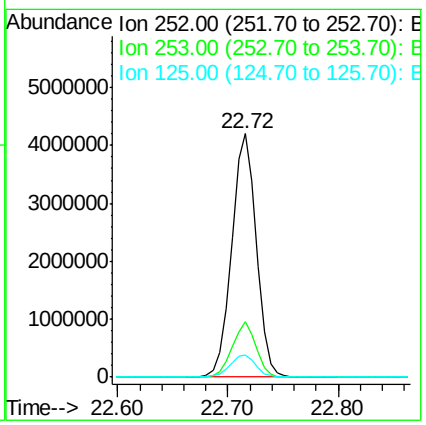


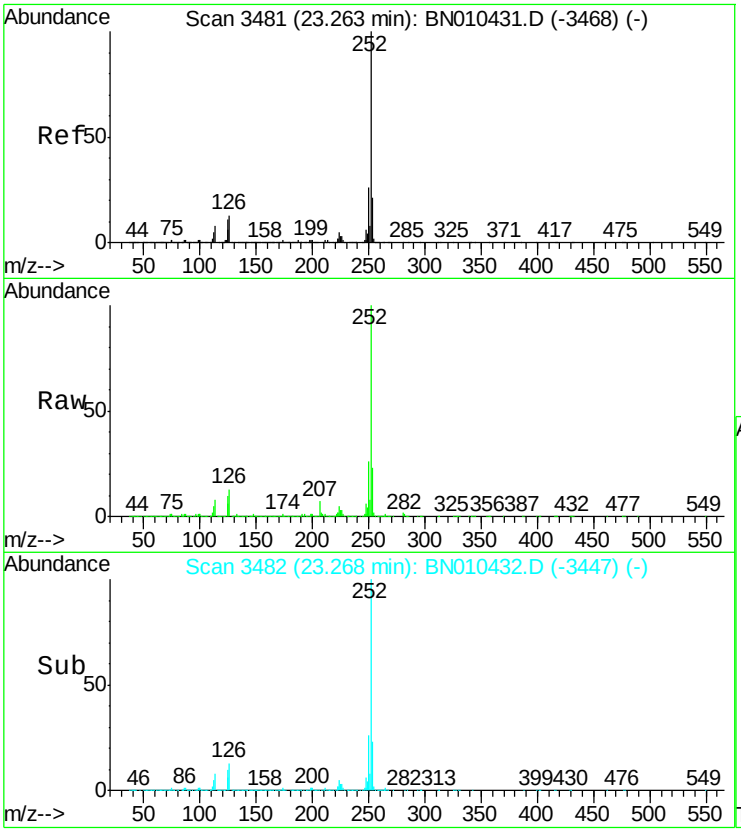


#88
Benzo(b)fluoranthene
Concen: 26.792 ng/ul
RT: 22.72 min Scan# 3388
Delta R.T. 0.00 min
Lab File: BN010432.D
Acq: 08 Apr 2020 14:27

Tgt Ion:252 Resp: 6570604

Ion	Ratio	Lower	Upper
252	100		
253	22.7	16.0	24.0
125	9.1	7.4	11.0



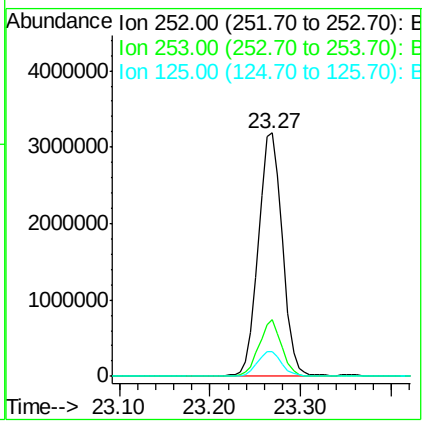


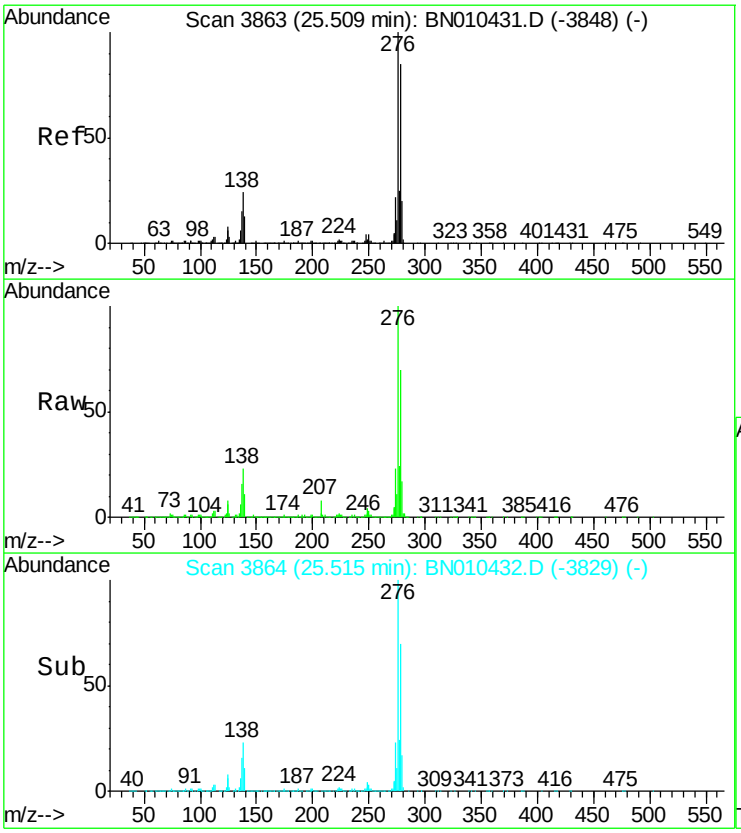
#91
Benzo(a)pyrene
Concen: 25.666 ng/ul
RT: 23.27 min Scan# 3482
Delta R.T. 0.01 min
Lab File: BN010432.D
Acq: 08 Apr 2020 14:27

Instrument :
BNA_N
ClientSampleId :
DBF98

Tgt Ion:252 Resp: 5892993

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.6	27.8
125	10.4	8.9	13.3

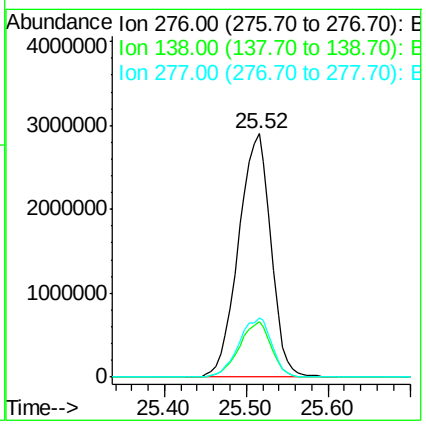


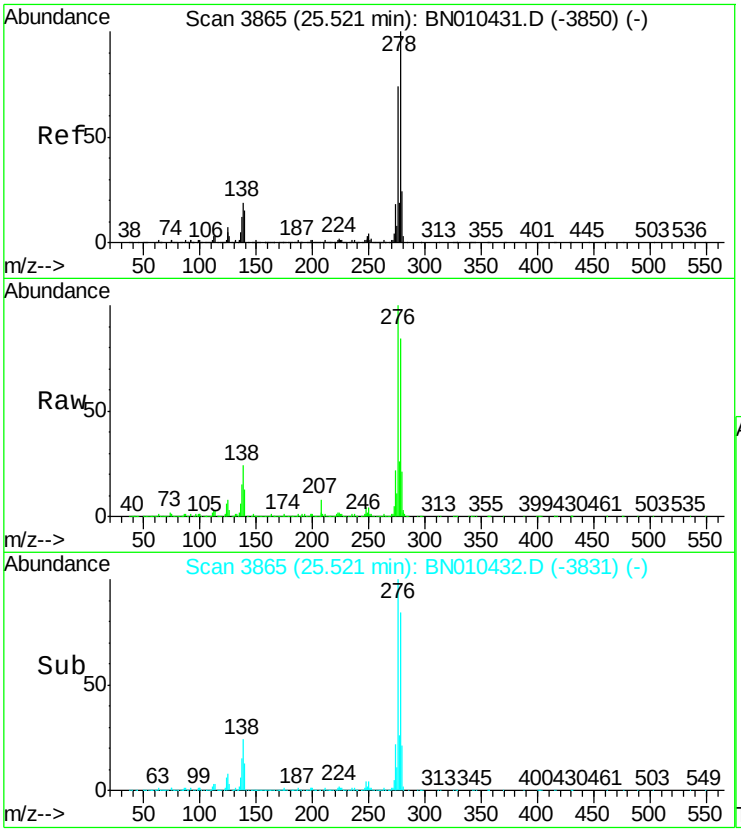


#92
Indeno(1,2,3-cd)pyrene
Concen: 26.992 ng/ul
RT: 25.52 min Scan# 3864
Delta R.T. 0.01 min
Lab File: BN010432.D
Acq: 08 Apr 2020 14:27

Tgt Ion:276 Resp: 7997689

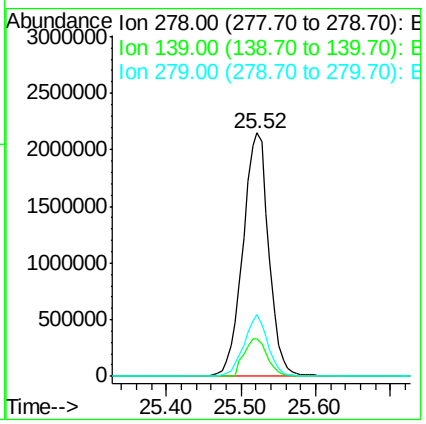
Ion	Ratio	Lower	Upper
276	100		
138	22.5	19.8	29.8
277	24.4	20.6	30.8





#93
Dibenzo(a,h)anthracene
Concen: 21.097 ng/ul
RT: 25.52 min Scan# 3865
Delta R.T. 0.00 min
Lab File: BN010432.D
Acq: 08 Apr 2020 14:27

Instrument :
BNA_N
ClientSampleId :
DBF98

Tgt Ion:278 Resp: 5163140

Ion	Ratio	Lower	Upper
278	100		
139	15.6	12.0	18.0
279	25.3	18.2	27.2