Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042619\
Data File : BN005344.D
Acq On : 27 Apr 2019 07:25
Operator : JU/SJ
Sample : K2456-12
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId :

Quant Time: Apr 29 02:23:22 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	7.59	152	445695	20.00	ng/ul	0.00
18) Naphthalene-d8	10.36	136	1890111	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.23	164	1159471	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.99	188	2571610	20.00	ng/ul	0.00
77) Chrysene-d12	21.24	240	1744714	20.00	ng/ul	0.01
85) Perylene-d12	23.46	264	2077602	20.00	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.22	96	22979	2.49	ng/uL	0.00
5) Phenol-d5	6.78	99	565661	16.16	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.94	67	332088	15.21	ng/ul	0.00
9) 2-Chlorophenol-d4	7.13	132	463878	17.32	ng/ul	0.00
13) 4-Methylphenol-d8	8.29	113	474167	17.33	ng/ul	0.00
19) Nitrobenzene-d5	8.73	128	241916	20.80	ng/ul	0.00
22) 2-Nitrophenol-d4	9.45	143	270178	22.91	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	493987	18.27	ng/ul	0.00
29) 4-Chloroaniline-d4	10.49	131	180845	6.49	ng/ul	0.00
43) Dimethylphthalate-d6	13.65	166	1487096	17.67	ng/ul	0.00
46) Acenaphthylene-d8	13.92	160	1836356	17.76	ng/ul	0.00
51) 4-Nitrophenol-d4	14.45	143	270360	20.34	ng/ul	0.01
57) Fluorene-d10	15.23	176	1297415	18.37	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	51457	4.45	ng/ul	0.01
70) Anthracene-d10	17.09	188	2028969	18.82	ng/ul	0.00
78) Pyrene-d10	19.41	212	1915582	21.46	ng/ul	0.01
89) Benzo(a)pyrene-d12	23.32	264	1569512	17.29	ng/ul	0.01
Target Compounds						Qvalue
4) Benzaldehyde	6.75	77	27890	1.124	ng/ul#	52
14) Acetophenone	8.40	105	148038	3.380	ng/ul	98
17) Hexachloroethane	8.68	117	207000	17.212	ng/ul#	6
25) Bis(2-Chloroethoxy)methane	9.80	93	54908	1.378	ng/ul#	72
28) Naphthalene	10.40	128	88679	1.009	ng/ul#	81
33) 4-Chloro-3-methylphenol	11.66	107	28474	0.948	ng/ul#	1
34) 2-Methylnaphthalene	12.03	142	473439	7.359	ng/ul	98
42) 2-Nitroaniline	13.28	65	37157	2.108	ng/ul#	44
44) Dimethylphthalate	13.70	163	408101	4.866	ng/ul	96
45) 2,6-Dinitrotoluene	13.77	165	15405	1.064	ng/ul#	27
47) Acenaphthylene	13.96	152	14040891	138.207	ng/ul	95
49) Acenaphthene	14.29	153	236964	3.417	ng/ul#	94
53) Dibenzofuran	14.65	168	187942	1.882	ng/ul#	76
58) Fluorene	15.31	166	1399160	17.956	ng/ul#	55
60) 4-Nitroaniline	15.30	138	20068	1.196	ng/ul	88
64) N-Nitrosodiphenylamine	15.51	169	151318	2.150	ng/ul#	34
69) Phenanthrene	17.03	178	4161090	33.225	ng/ul	99
71) Anthracene	17.13	178	8786507	68.869	ng/ul	99
74) Carbazole	17.40	167	140514	1.282	ng/ul#	38
76) Fluoranthene	19.07	202	11303996	81.373	ng/ul	99
79) Pyrene	19.52	202	239599	2.133	ng/ul#	68
81) 3,3'-Dichlorobenzidine	21.16	252	53701	1.541	ng/ul#	43
82) Benzo(a)anthracene	21.22	228	13727487	126.475	ng/ul#	77

Quantitation Report (Not Reviewed)

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Operator : JU/SJ
Sample : K2456-12
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId :

Quant Time: Apr 29 02:23:22 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)
84) Chrysene	21.28	228	15078137	149.682	ng/ul#	91
87) Benzo(b)fluoranthene	22.81	252	14931956	127.856	ng/ul	97
88) Benzo(k)fluoranthene	22.81	252	14931956	133.872	ng/ul	96
90) Benzo(a)pyrene	23.38	252	16232529	147.871	ng/ul	95
91) Indeno(1,2,3-cd)pyrene	25.67	276	8298024	68.371	ng/ul	96
92) Dibenzo(a,h)anthracene	25.67	278	3329529	32.325	ng/ul	95
93) Benzo(g,h,i)perylene	26.35	276	7096670	70.716	ng/ul	95

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

Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042619\
Data File : BN005344.D
Acq On : 27 Apr 2019 07:25
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Instrument :
BNA_N
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Quant Time: Apr 29 02:23:22 2019
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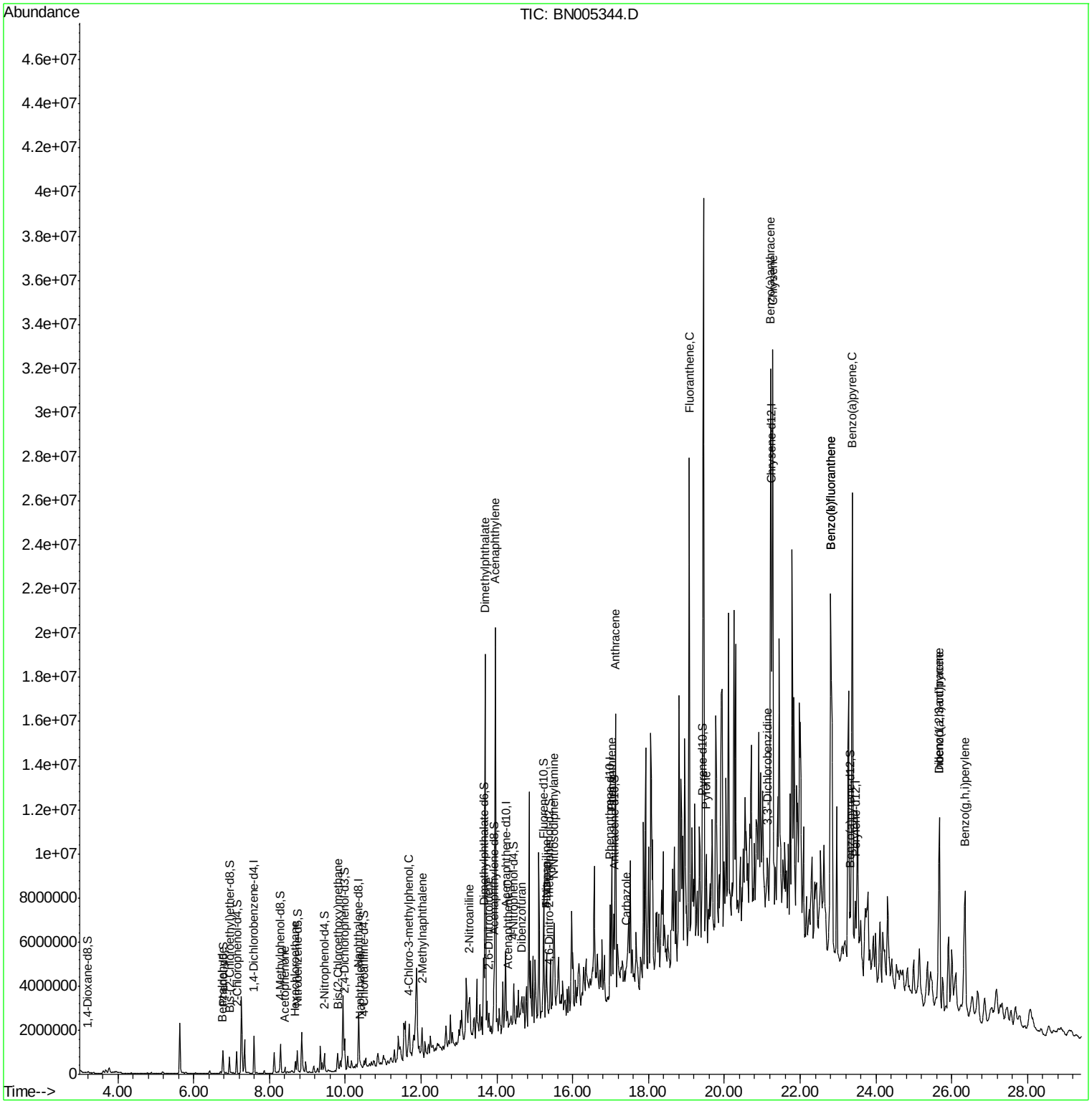
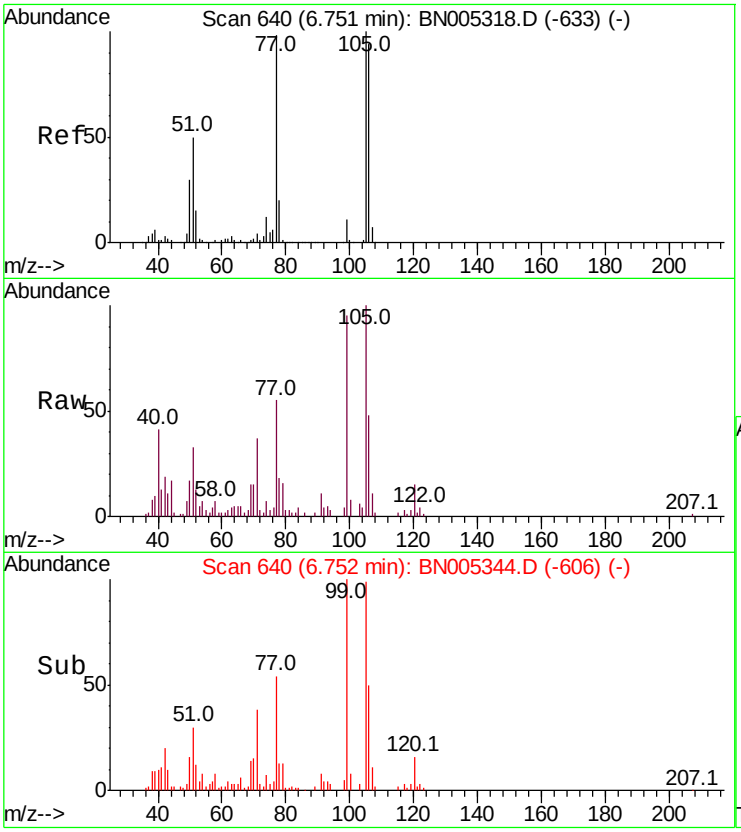
Quant Title : SVOA CALIBRATION
QLast Update : Thu Apr 25 03:19:34 2019
Response via : Initial Calibration



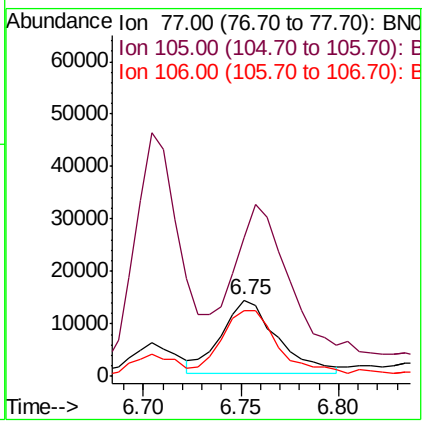


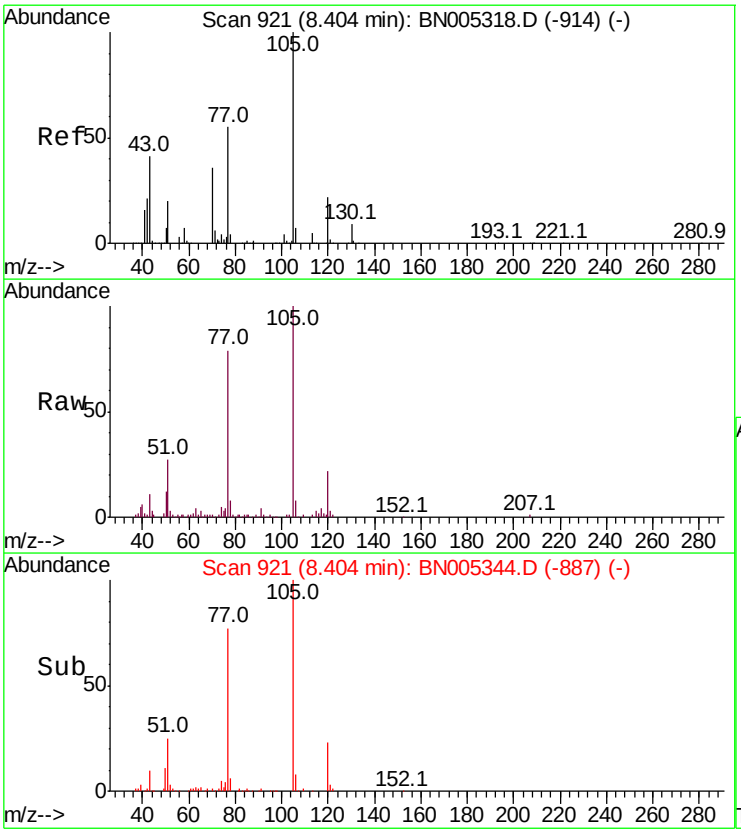
#4
Benzaldehyde
Concen: 1.124 ng/ul
RT: 6.75 min Scan# 640
Delta R.T. 0.00 min
Lab File: BN005344.D
Acq: 27 Apr 2019 07:25

Instrument :
BNA_N
ClientSampleId :

Tgt Ion: 77 Resp: 27890

Ion	Ratio	Lower	Upper
77	100		
105	181.5	77.4	116.2#
106	86.3	76.3	114.5

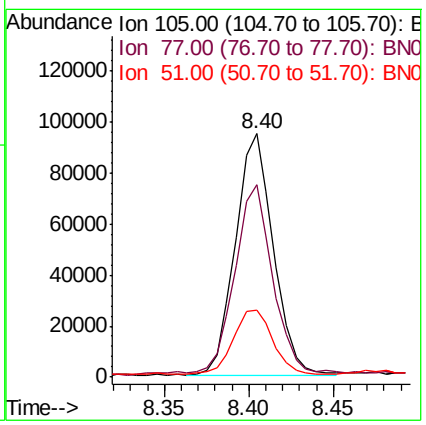


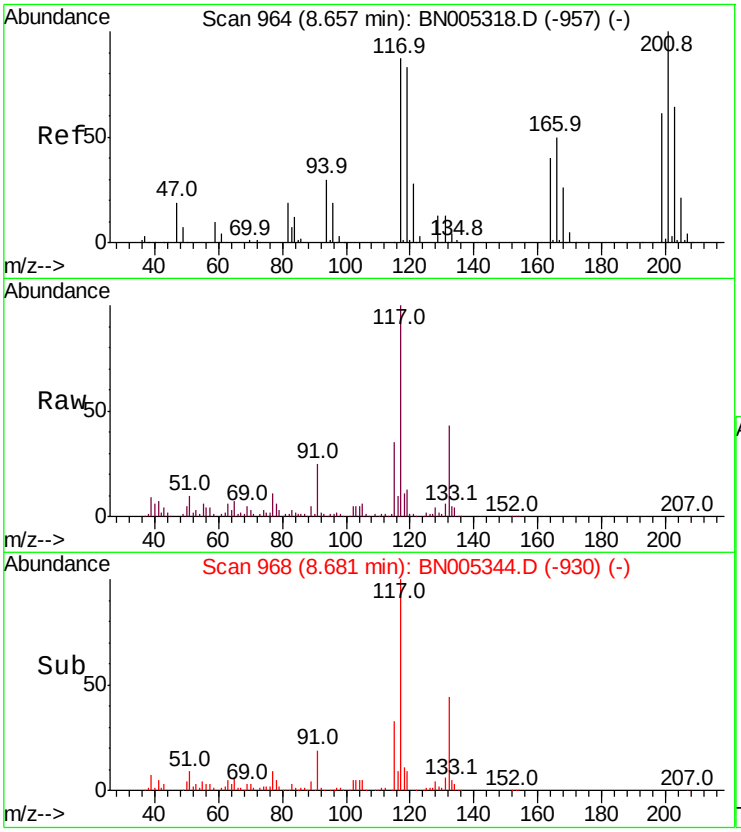


#14
Acetophenone
Concen: 3.380 ng/ul
RT: 8.40 min Scan# 921
Delta R.T. 0.00 min
Lab File: BN005344.D
Acq: 27 Apr 2019 07:25

Tgt Ion:105 Resp: 148038

Ion	Ratio	Lower	Upper
105	100		
77	78.8	63.4	95.0
51	27.3	24.2	36.4



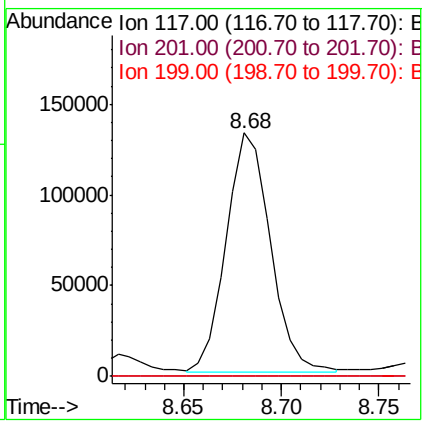


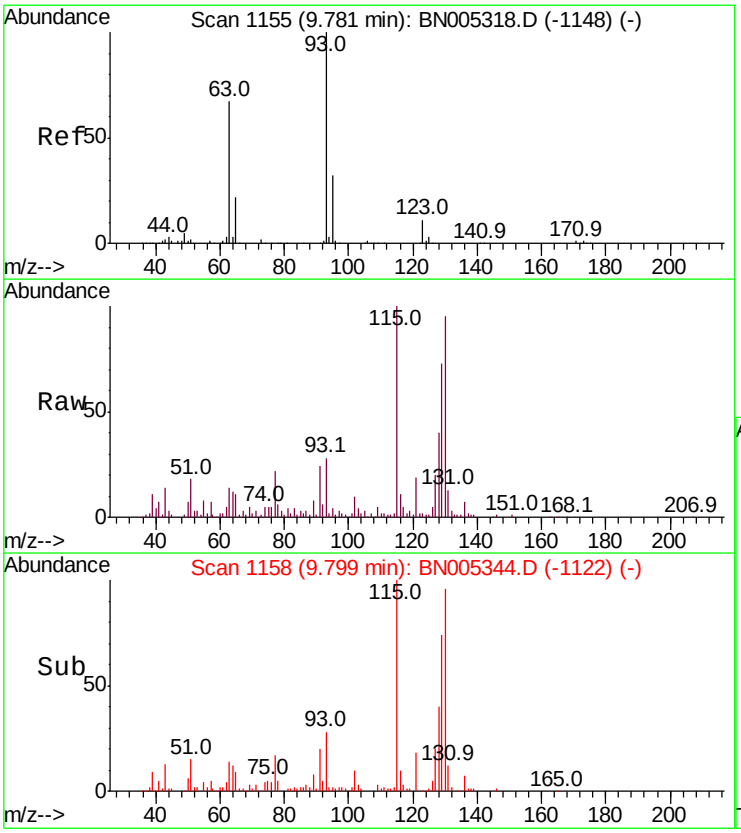
#17
Hexachloroethane
Concen: 17.212 ng/ul
RT: 8.68 min Scan# 968
Delta R.T. 0.02 min
Lab File: BN005344.D
Acq: 27 Apr 2019 07:25

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:117 Resp: 207000

Ion	Ratio	Lower	Upper
117	100		
201	0.0	84.1	126.1#
199	0.0	51.2	76.8#

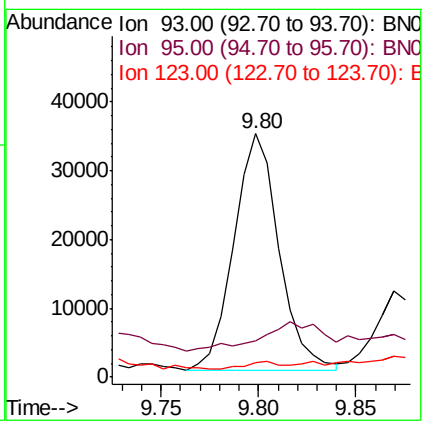


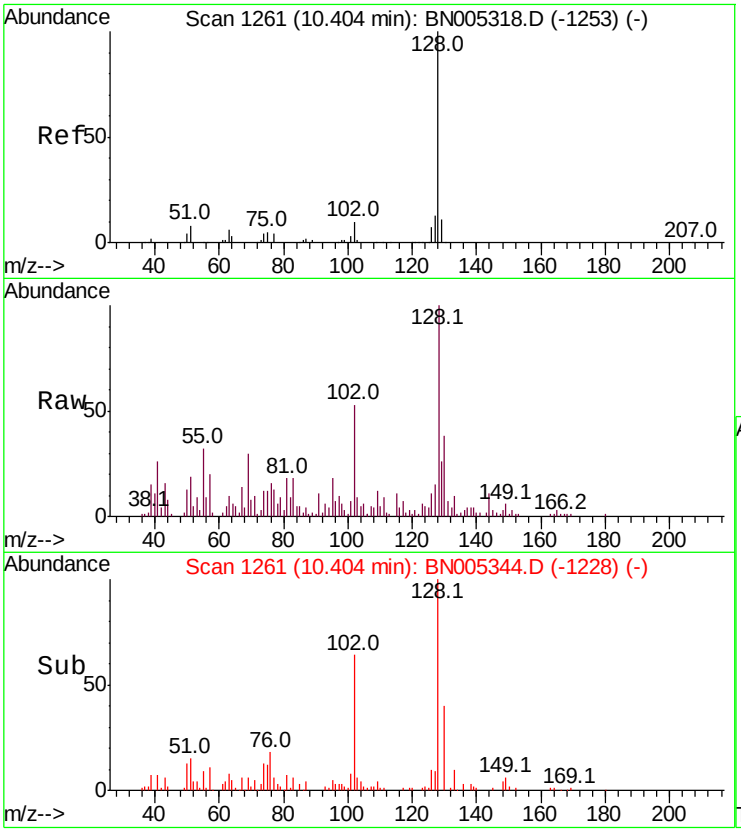


#25
Bis(2-Chloroethoxy)methane
Concen: 1.378 ng/ul
RT: 9.80 min Scan# 1158
Delta R.T. 0.01 min
Lab File: BN005344.D
Acq: 27 Apr 2019 07:25

Tgt Ion: 93 Resp: 54908

Ion	Ratio	Lower	Upper
93	100		
95	14.7	26.6	39.8#
123	5.7	8.9	13.3#



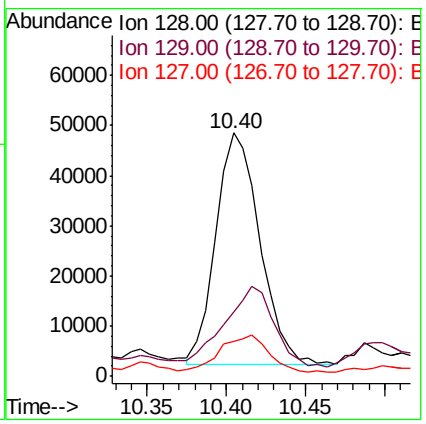


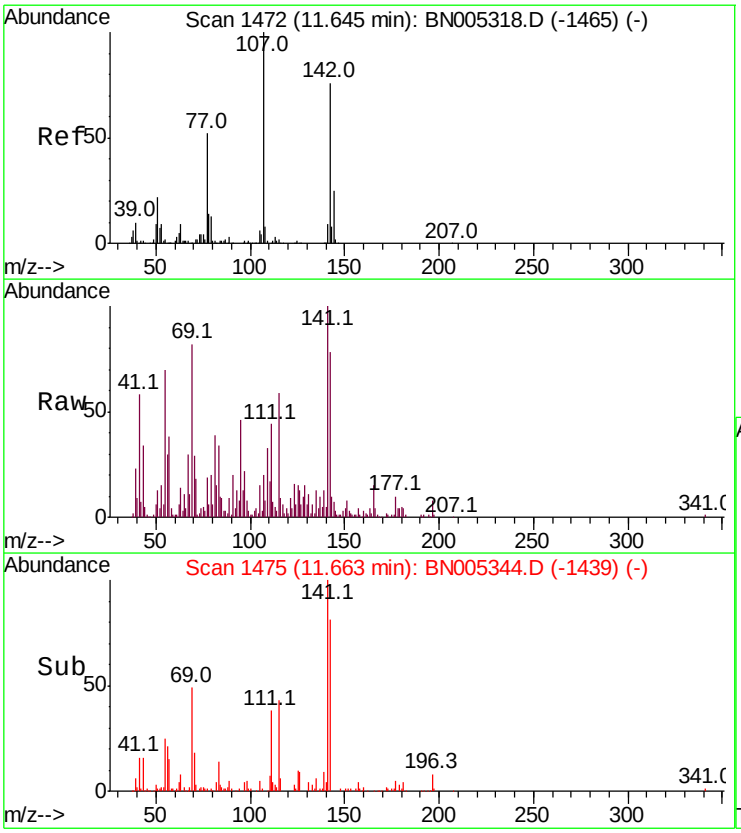
#28
Naphthalene
Concen: 1.009 ng/ul
RT: 10.40 min Scan# 1261
Delta R.T. -0.01 min
Lab File: BN005344.D
Acq: 27 Apr 2019 07:25

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:128 Resp: 88679

Ion	Ratio	Lower	Upper
128	100		
129	26.2	9.2	13.8#
127	14.6	10.7	16.1

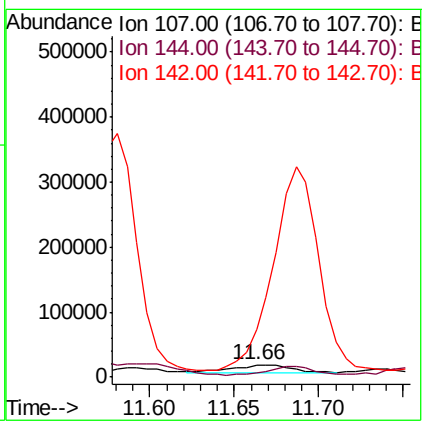


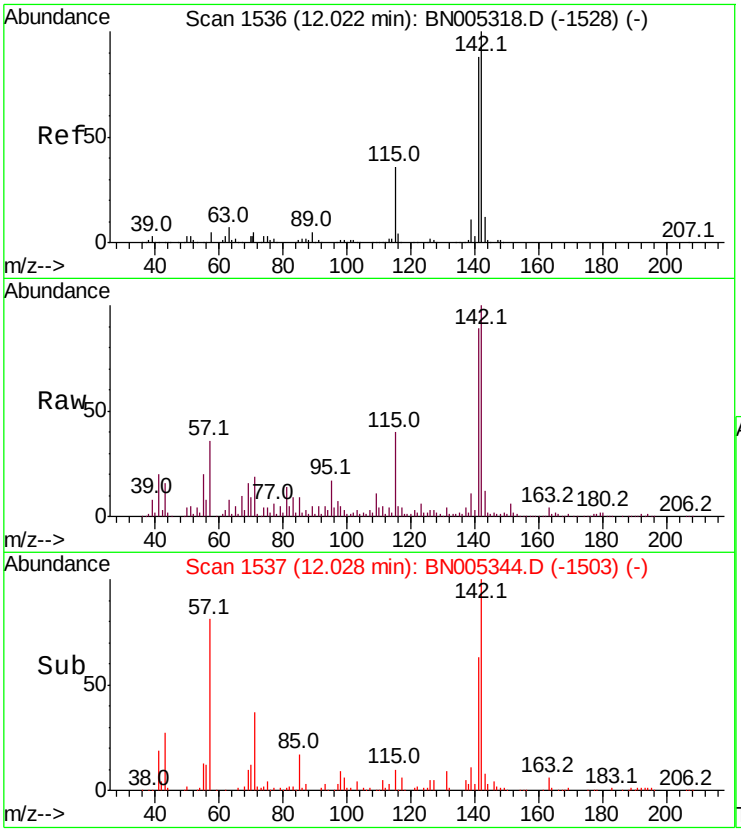


#33
4-Chloro-3-methylphenol
Concen: 0.948 ng/ul
RT: 11.66 min Scan# 1475
Delta R.T. 0.01 min
Lab File: BN005344.D
Acq: 27 Apr 2019 07:25

Tgt Ion:107 Resp: 28474

Ion	Ratio	Lower	Upper
107	100		
144	34.5	19.4	29.0#
142	393.9	57.7	86.5#



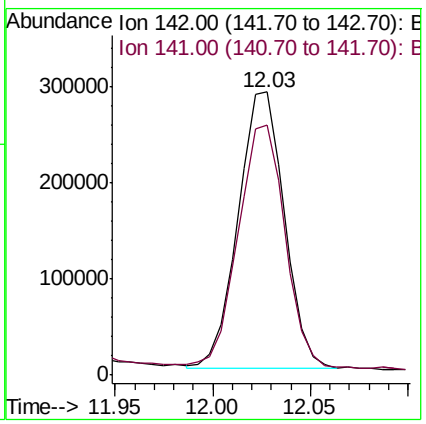


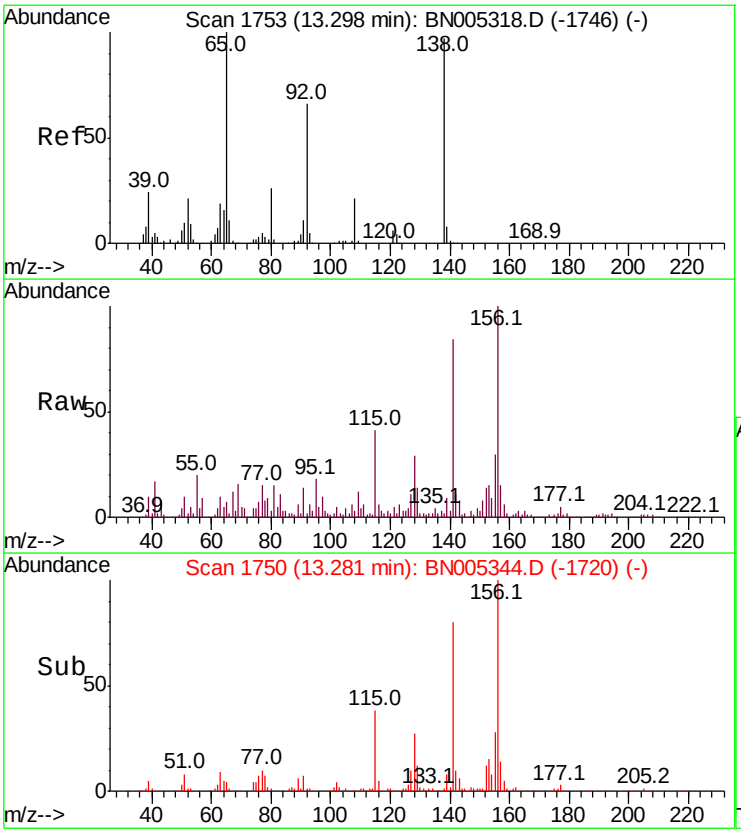
#34
2-Methylnaphthalene
Concen: 7.359 ng/ul
RT: 12.03 min Scan# 1537
Delta R.T. 0.00 min
Lab File: BN005344.D
Acq: 27 Apr 2019 07:25

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:142 Resp: 473439

Ion	Ratio	Lower	Upper
142	100		
141	88.6	72.0	108.0

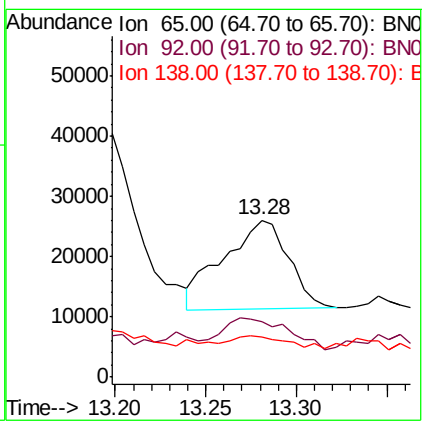


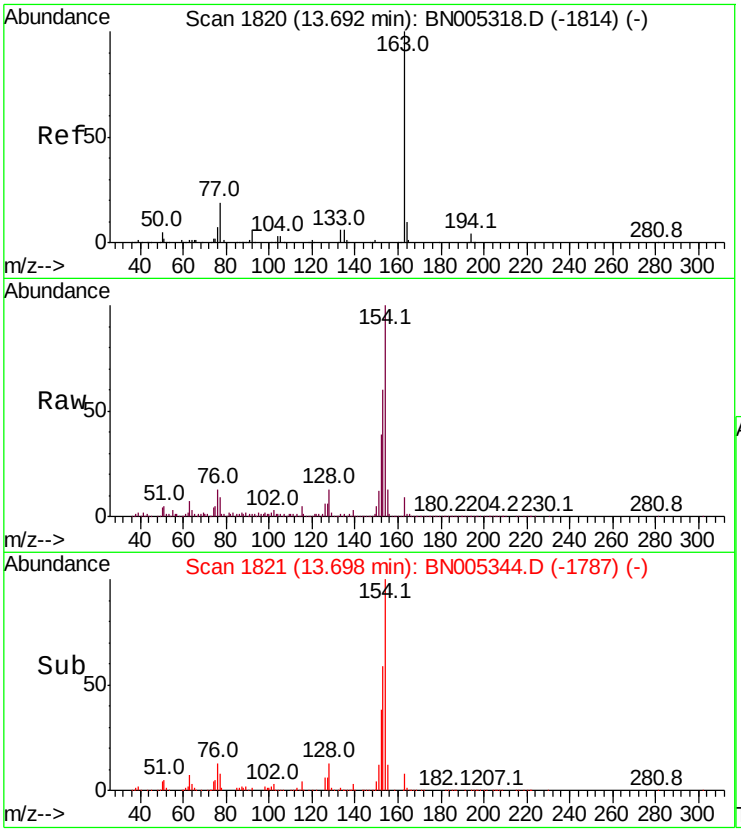


#42
2-Nitroaniline
Concen: 2.108 ng/ul
RT: 13.28 min Scan# 1750
Delta R.T. -0.02 min
Lab File: BN005344.D
Acq: 27 Apr 2019 07:25

Tgt Ion: 65 Resp: 37157

Ion	Ratio	Lower	Upper
65	100		
92	35.7	51.6	77.4#
138	25.3	73.9	110.9#



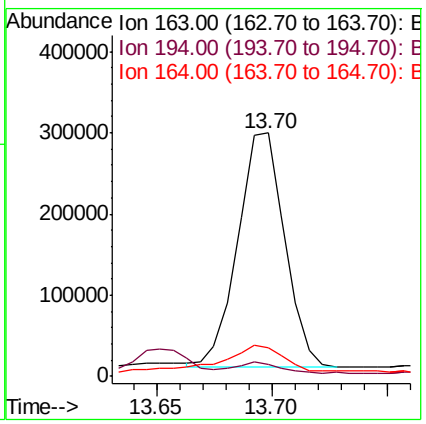


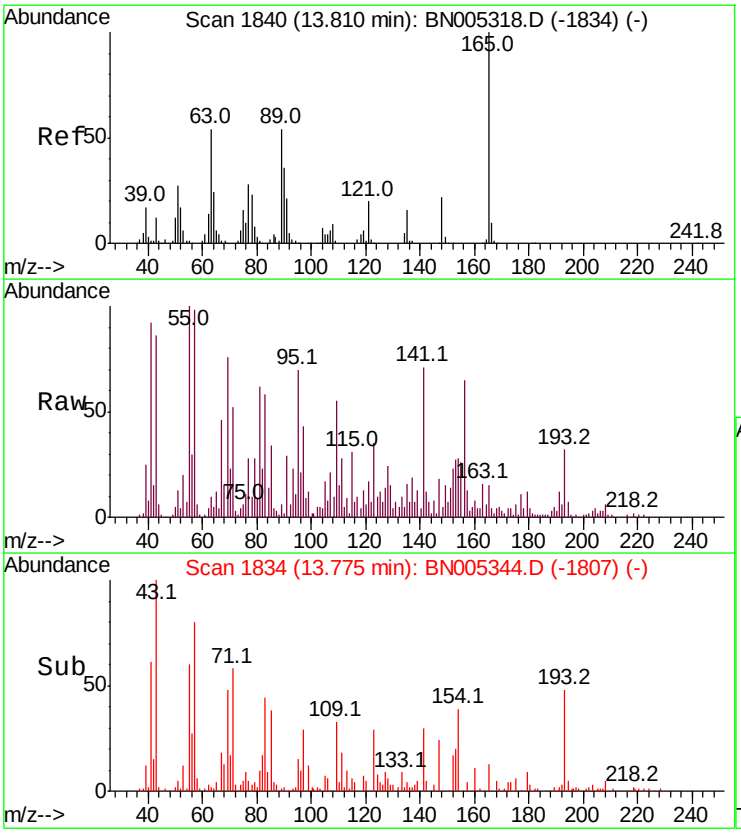
#44
Dimethylphthalate
Concen: 4.866 ng/ul
RT: 13.70 min Scan# 1821
Delta R.T. 0.00 min
Lab File: BN005344.D
Acq: 27 Apr 2019 07:25

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:163 Resp: 408101

Ion	Ratio	Lower	Upper
163	100		
194	4.9	3.4	5.0
164	11.6	8.1	12.1

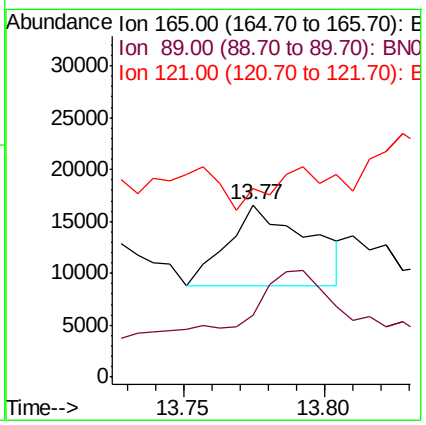


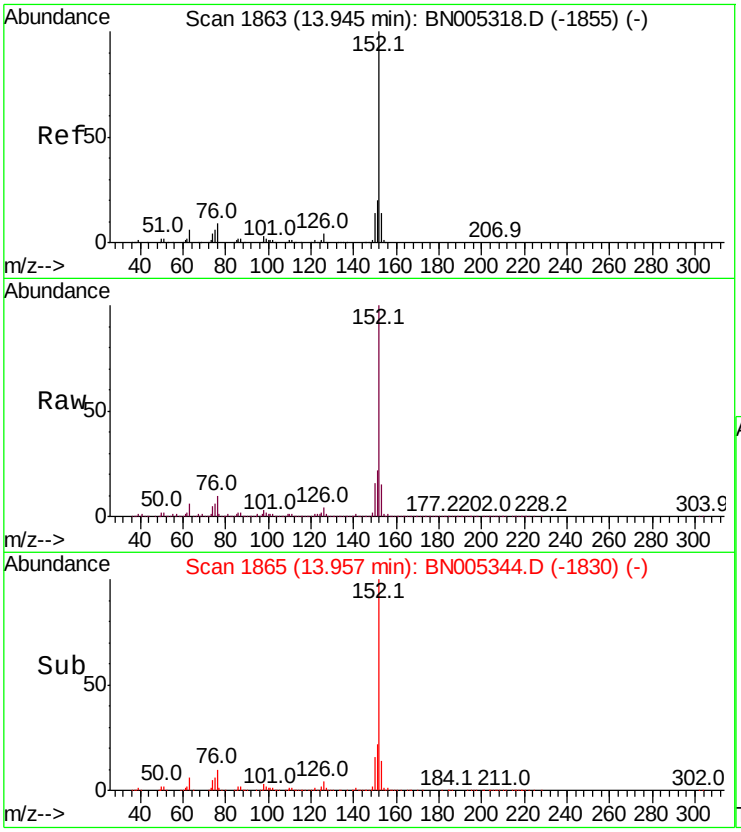


#45
2,6-Dinitrotoluene
Concen: 1.064 ng/ul
RT: 13.77 min Scan# 1834
Delta R.T. -0.04 min
Lab File: BN005344.D
Acq: 27 Apr 2019 07:25

Tgt Ion:165 Resp: 15405

Ion	Ratio	Lower	Upper
165	100		
89	36.0	50.2	75.2#
121	109.3	19.4	29.2#



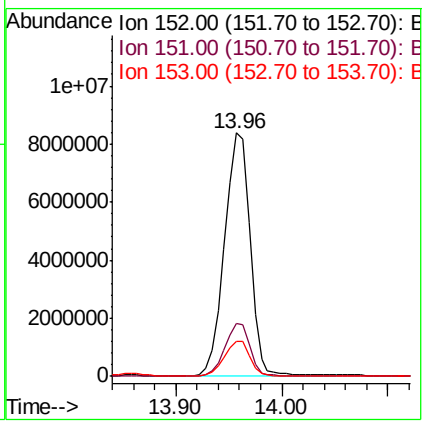


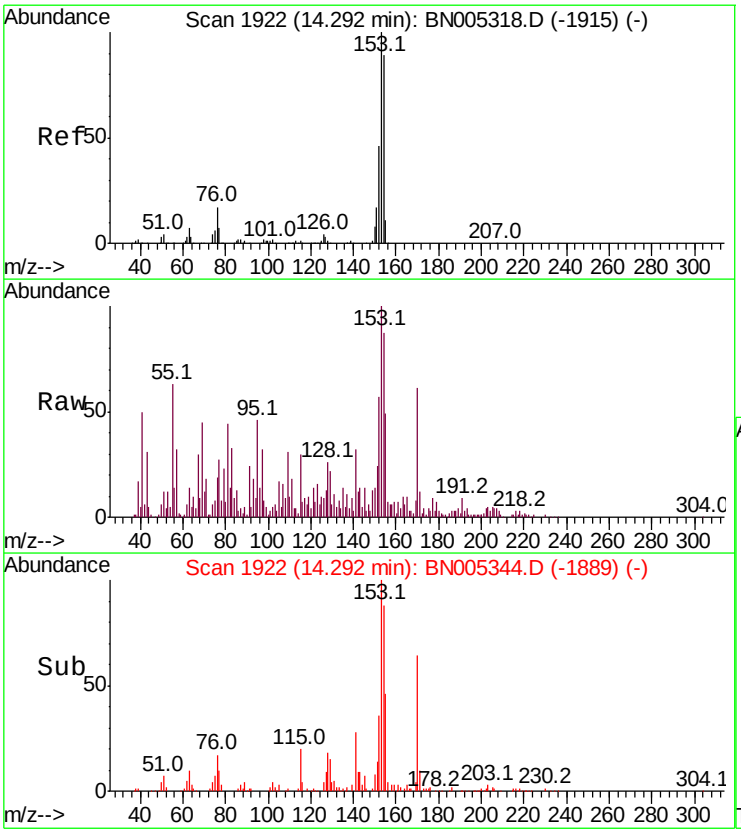
#47
Acenaphthylene
Concen: 138.207 ng/ul
RT: 13.96 min Scan# 1865
Delta R.T. 0.01 min
Lab File: BN005344.D
Acq: 27 Apr 2019 07:25

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:152 Resp:14040891

Ion	Ratio	Lower	Upper
152	100		
151	21.9	15.8	23.8
153	14.6	9.8	14.8

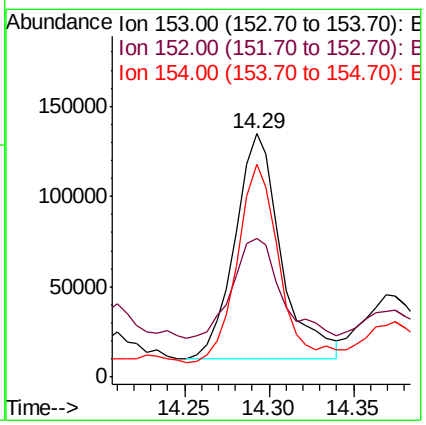


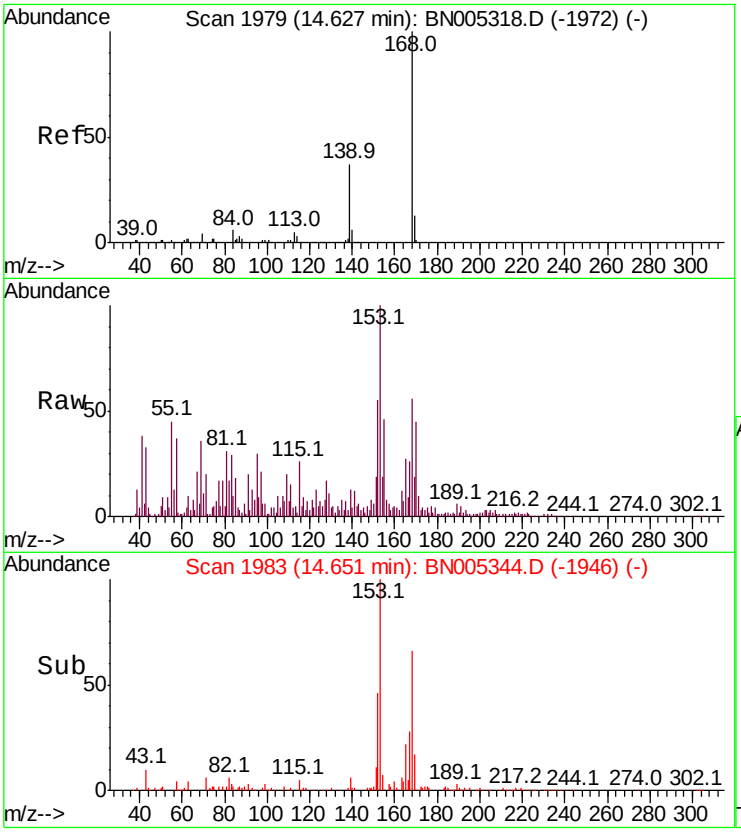


#49
Acenaphthene
Concen: 3.417 ng/ul
RT: 14.29 min Scan# 1922
Delta R.T. -0.01 min
Lab File: BN005344.D
Acq: 27 Apr 2019 07:25

Tgt Ion:153 Resp: 236964

Ion	Ratio	Lower	Upper
153	100		
152	57.0	37.4	56.0#
154	87.5	71.2	106.8



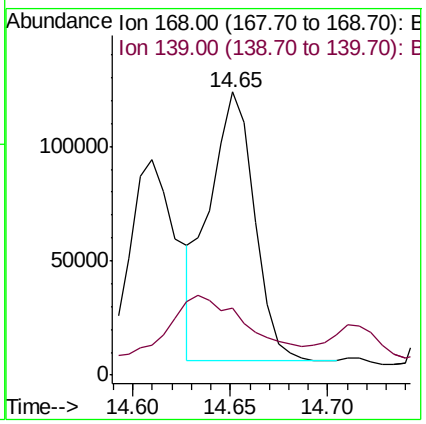


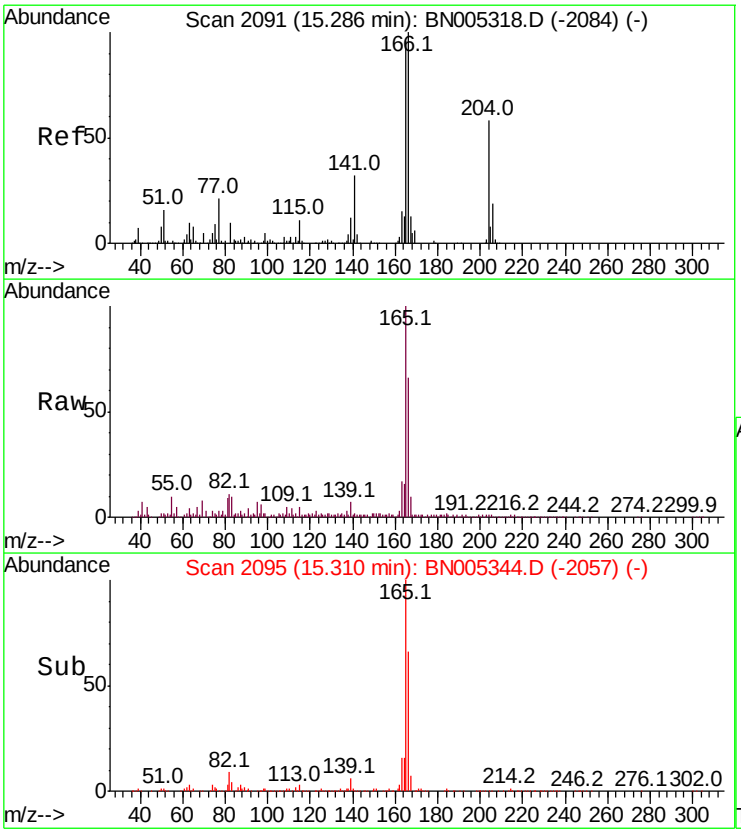
#53
Dibenzofuran
Concen: 1.882 ng/ul
RT: 14.65 min Scan# 1983
Delta R.T. 0.02 min
Lab File: BN005344.D
Acq: 27 Apr 2019 07:25

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:168 Resp: 187942

Ion	Ratio	Lower	Upper
168	100		
139	23.8	30.9	46.3#

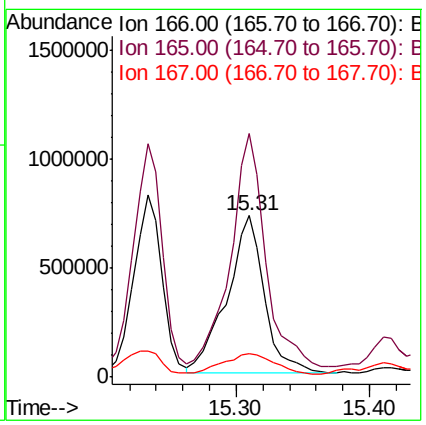


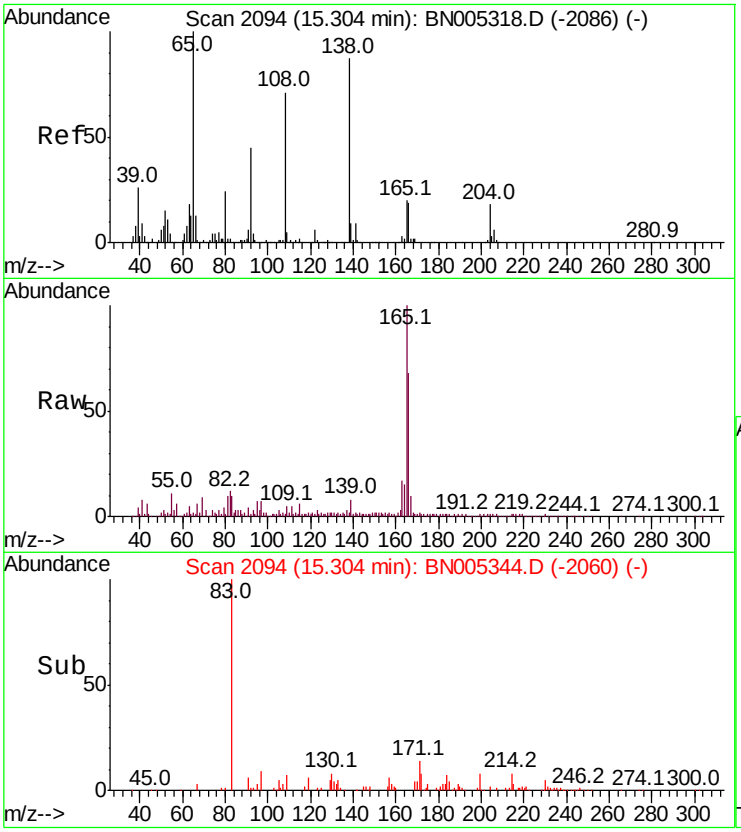


#58
Fluorene
Concen: 17.956 ng/ul
RT: 15.31 min Scan# 2095
Delta R.T. 0.02 min
Lab File: BN005344.D
Acq: 27 Apr 2019 07:25

Tgt Ion:166 Resp: 1399160

Ion	Ratio	Lower	Upper
166	100		
165	150.9	80.0	120.0#
167	14.6	10.7	16.1



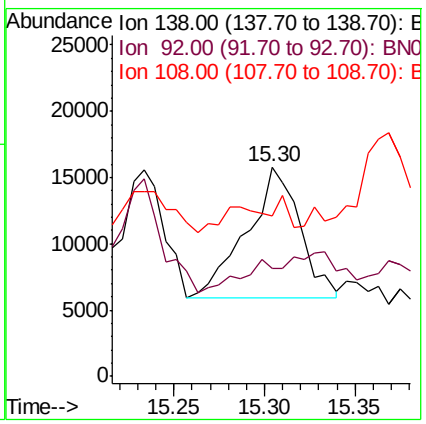


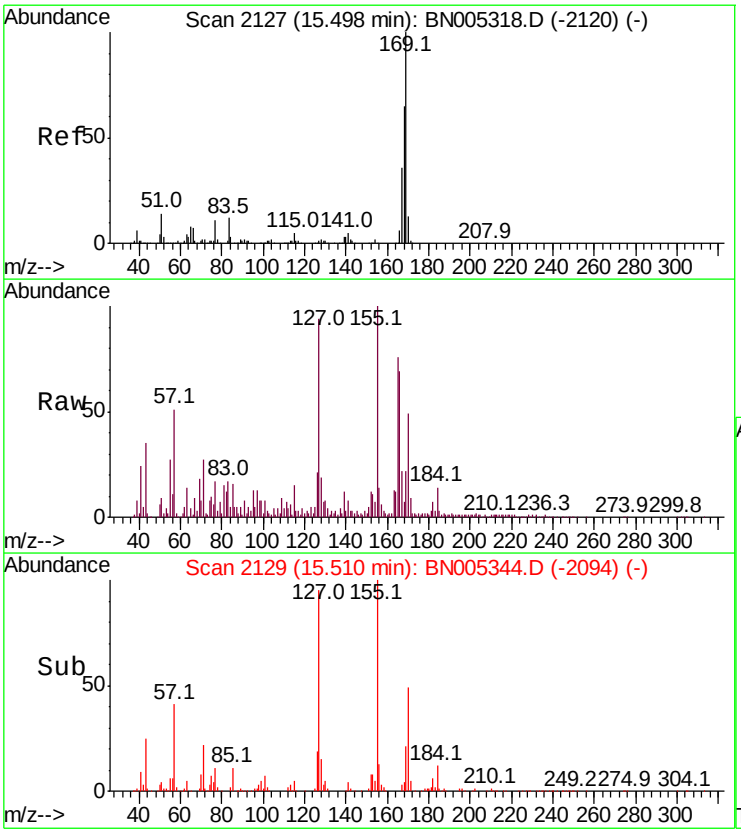
#60
4-Nitroaniline
Concen: 1.196 ng/ul
RT: 15.30 min Scan# 2094
Delta R.T. 0.00 min
Lab File: BN005344.D
Acq: 27 Apr 2019 07:25

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:138 Resp: 20068

Ion	Ratio	Lower	Upper
138	100		
92	51.9	45.3	67.9
108	76.9	73.2	109.8

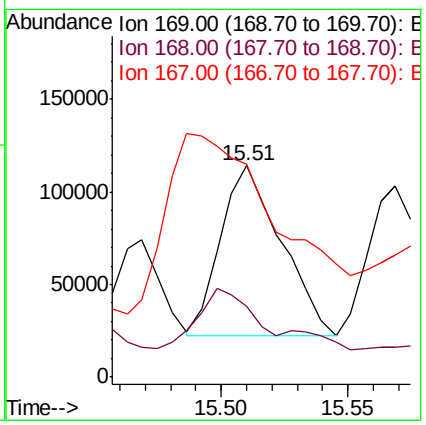


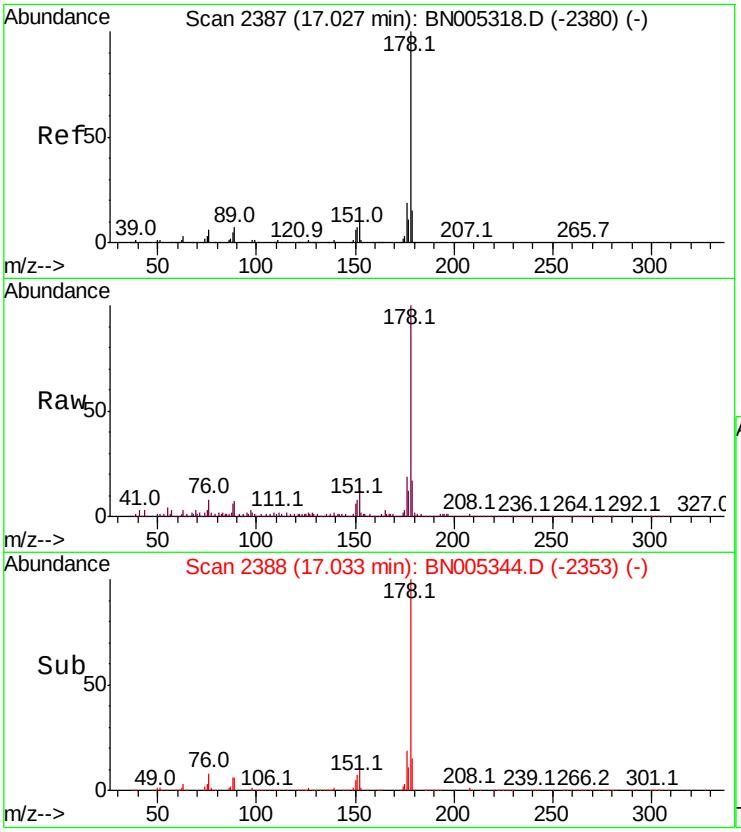


#64
N-Nitrosodiphenylamine
Concen: 2.150 ng/ul
RT: 15.51 min Scan# 2129
Delta R.T. 0.01 min
Lab File: BN005344.D
Acq: 27 Apr 2019 07:25

Tgt Ion:169 Resp: 151318

Ion	Ratio	Lower	Upper
169	100		
168	33.8	52.2	78.2#
167	100.7	27.7	41.5#



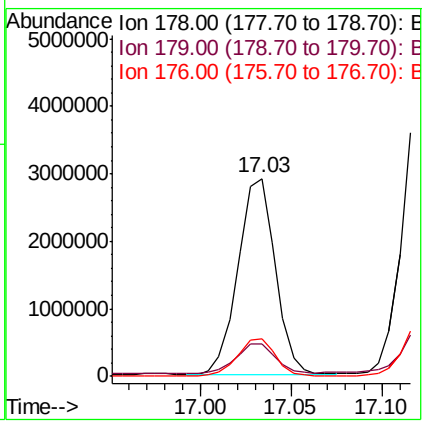


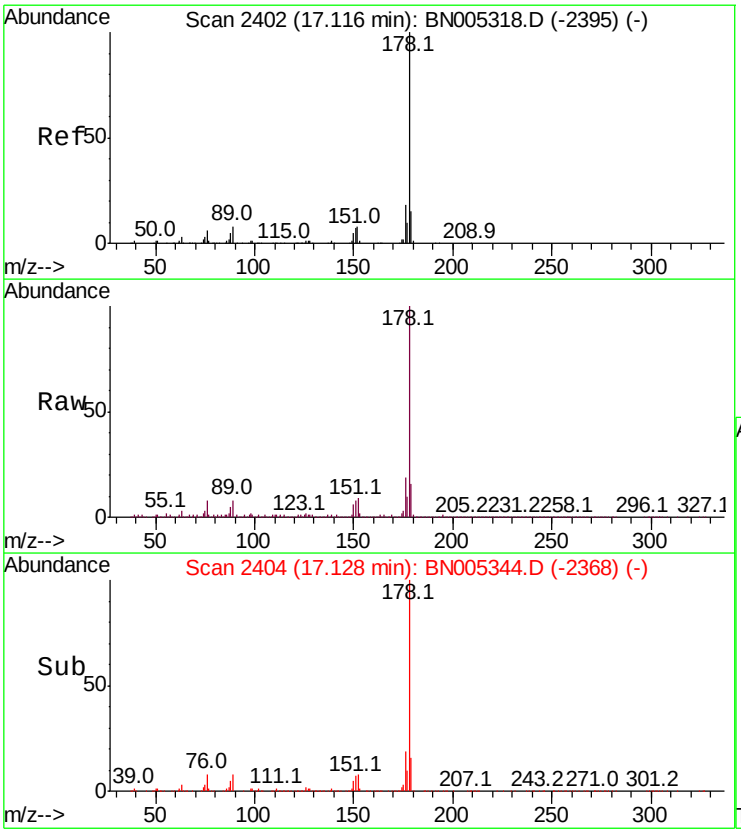
#69
Phenanthrene
Concen: 33.225 ng/ul
RT: 17.03 min Scan# 2388
Delta R.T. 0.01 min
Lab File: BN005344.D
Acq: 27 Apr 2019 07:25

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:178 Resp: 4161090

Ion	Ratio	Lower	Upper
178	100		
179	16.7	12.2	18.4
176	18.9	15.1	22.7

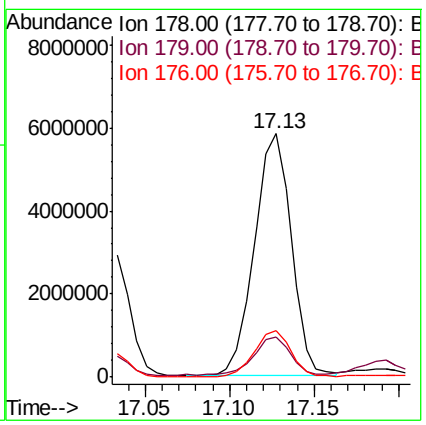


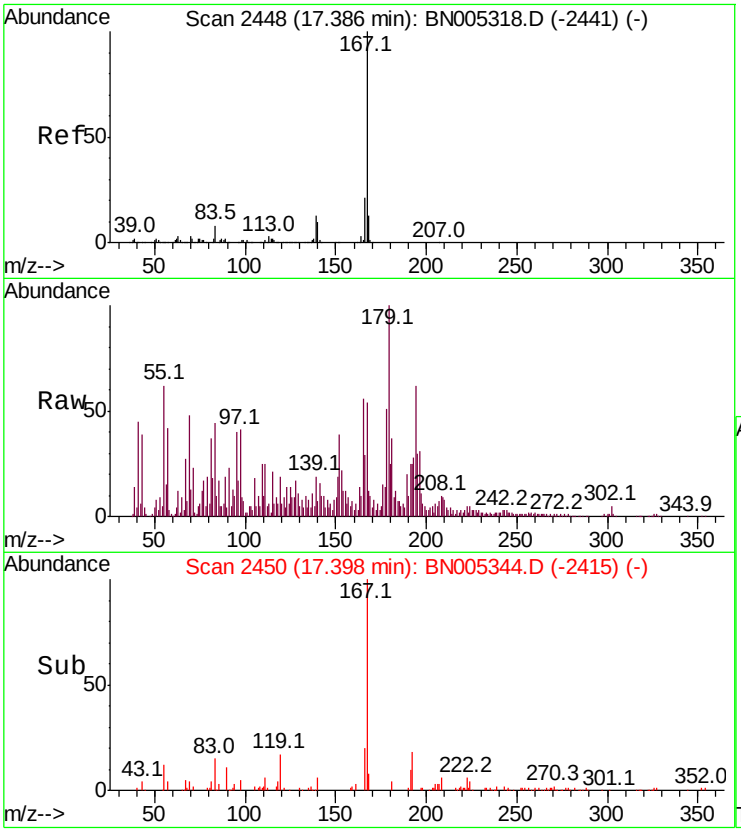


#71
Anthracene
Concen: 68.869 ng/ul
RT: 17.13 min Scan# 2404
Delta R.T. 0.01 min
Lab File: BN005344.D
Acq: 27 Apr 2019 07:25

Tgt Ion:178 Resp: 8786507

Ion	Ratio	Lower	Upper
178	100		
179	16.5	12.3	18.5
176	19.1	15.1	22.7



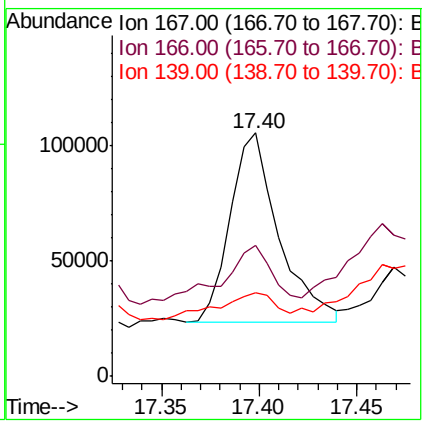


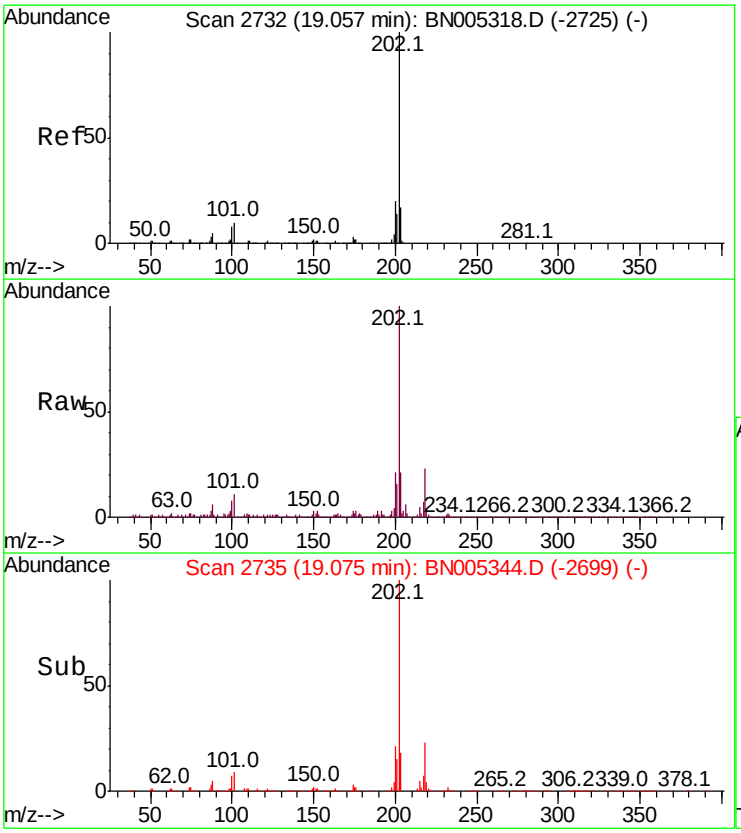
#74
Carbazole
Concen: 1.282 ng/ul
RT: 17.40 min Scan# 2450
Delta R.T. 0.01 min
Lab File: BN005344.D
Acq: 27 Apr 2019 07:25

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:167 Resp: 140514

Ion	Ratio	Lower	Upper
167	100		
166	53.6	17.2	25.8#
139	34.6	10.6	16.0#

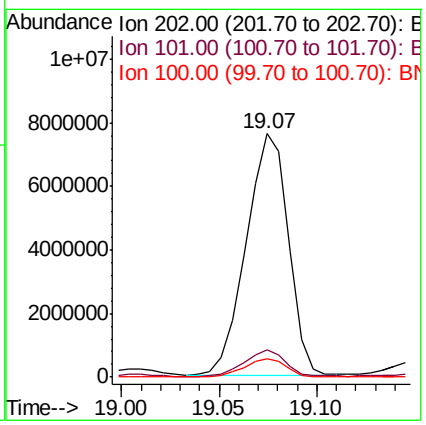


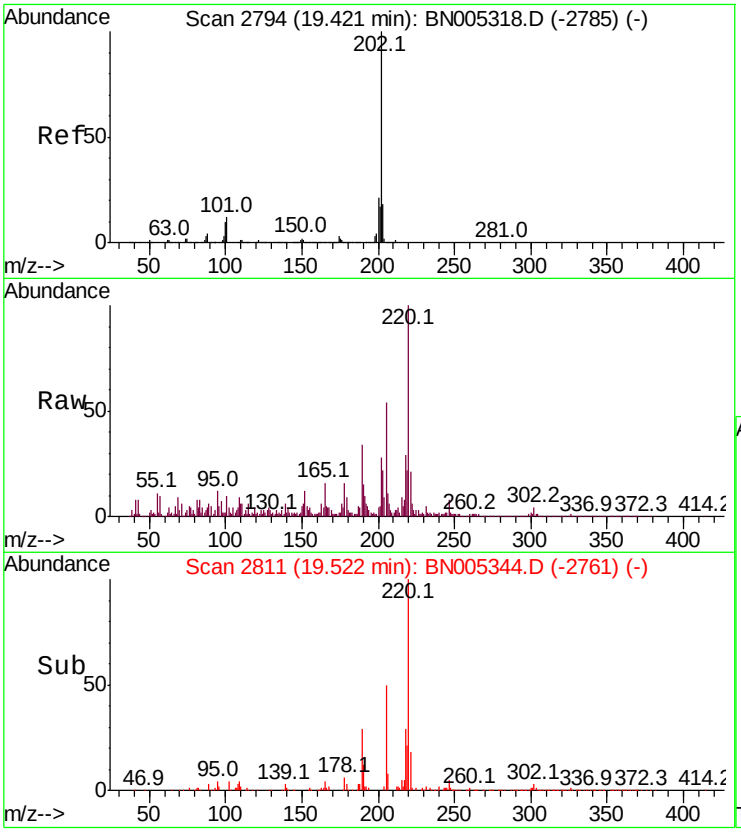


#76
Fluoranthene
Concen: 81.373 ng/ul
RT: 19.07 min Scan# 2735
Delta R.T. 0.01 min
Lab File: BN005344.D
Acq: 27 Apr 2019 07:25

Tgt Ion:202 Resp:11303996

Ion	Ratio	Lower	Upper
202	100		
101	11.1	8.6	12.8
100	7.6	6.3	9.5



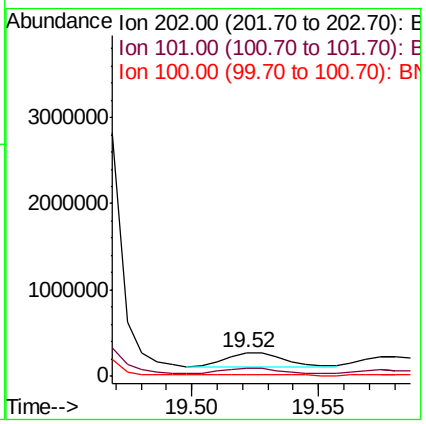


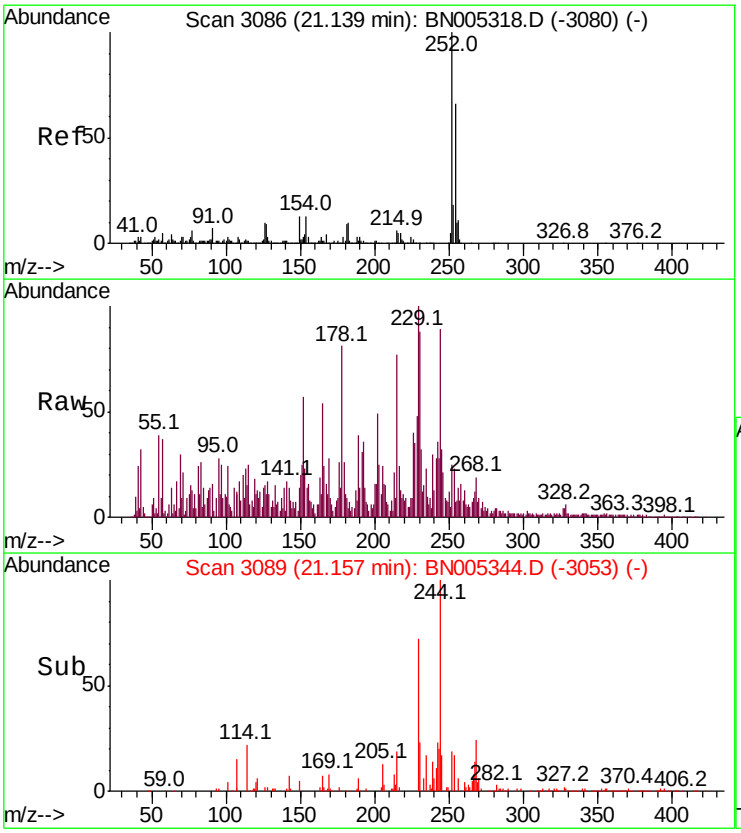
#79
Pyrene
Concen: 2.133 ng/ul
RT: 19.52 min Scan# 2811
Delta R.T. 0.09 min
Lab File: BN005344.D
Acq: 27 Apr 2019 07:25

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:202 Resp: 239599

Ion	Ratio	Lower	Upper
202	100		
101	34.3	10.3	15.5#
100	8.7	7.9	11.9

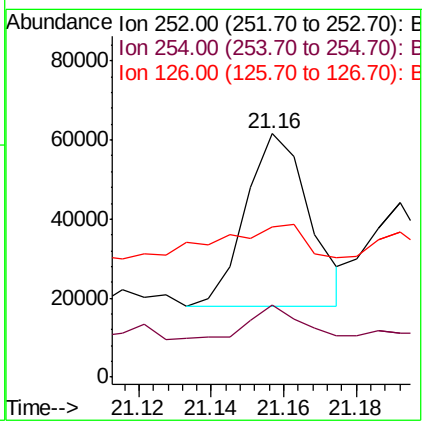


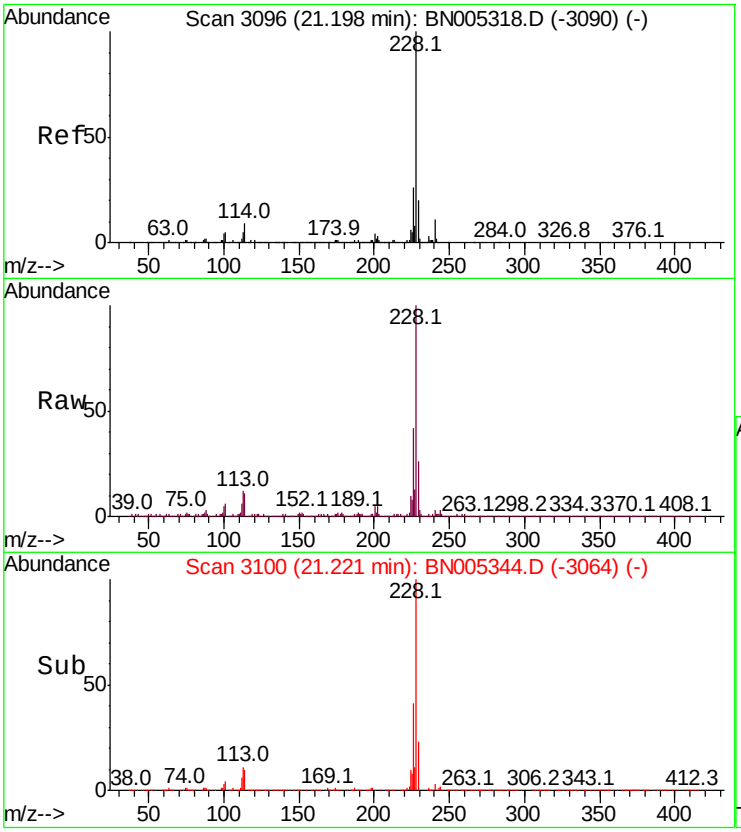


#81
3,3'-Dichlorobenzidine
Concen: 1.541 ng/ul
RT: 21.16 min Scan# 3089
Delta R.T. 0.01 min
Lab File: BN005344.D
Acq: 27 Apr 2019 07:25

Tgt Ion:252 Resp: 53701

Ion	Ratio	Lower	Upper
252	100		
254	29.7	51.1	76.7#
126	61.9	9.4	14.0#



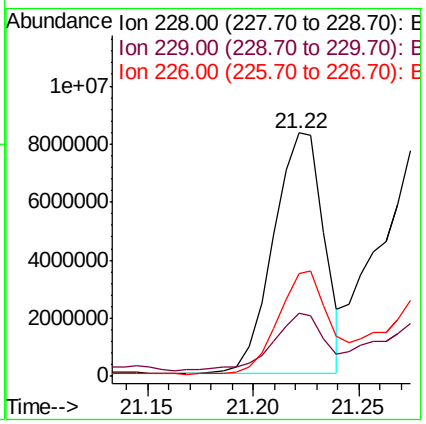


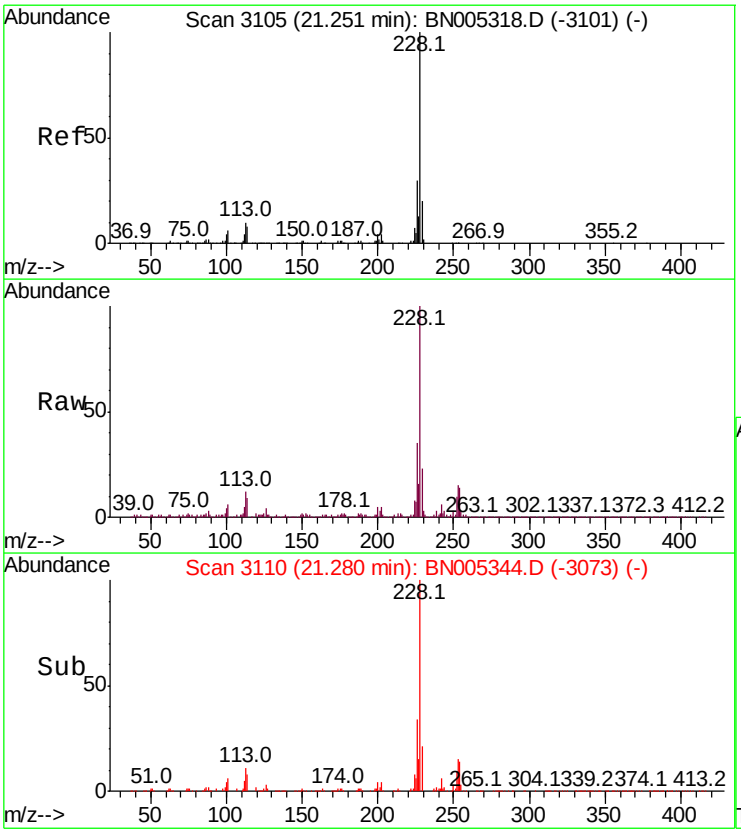
#82
Benzo(a)anthracene
Concen: 126.475 ng/ul
RT: 21.22 min Scan# 3100
Delta R.T. 0.01 min
Lab File: BN005344.D
Acq: 27 Apr 2019 07:25

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:228 Resp:13727487

Ion	Ratio	Lower	Upper
228	100		
229	26.0	15.8	23.6#
226	42.4	21.4	32.2#

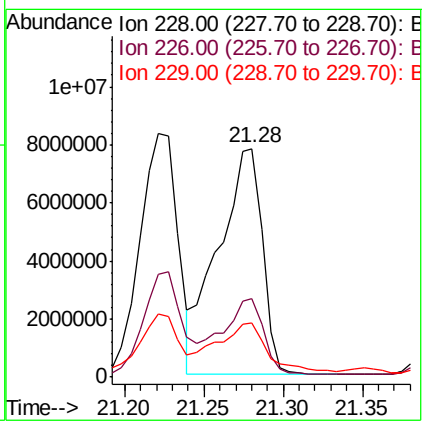


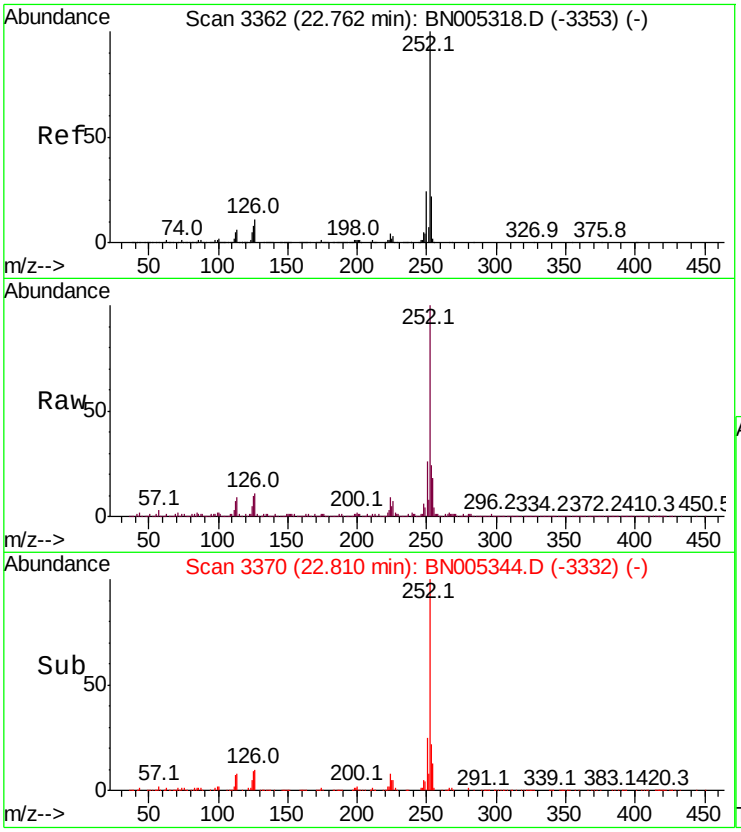


#84
Chrysene
Concen: 149.682 ng/ul
RT: 21.28 min Scan# 3110
Delta R.T. 0.02 min
Lab File: BN005344.D
Acq: 27 Apr 2019 07:25

Tgt Ion:228 Resp:15078137

Ion	Ratio	Lower	Upper
228	100		
226	34.6	24.0	36.0
229	23.4	15.4	23.0#



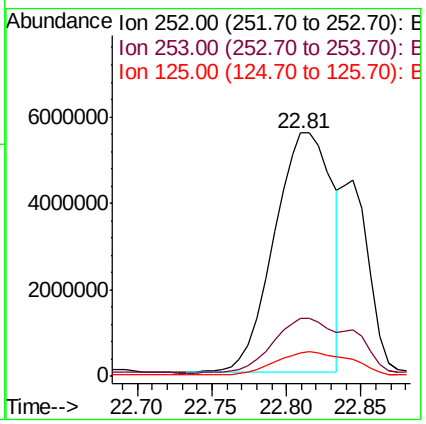


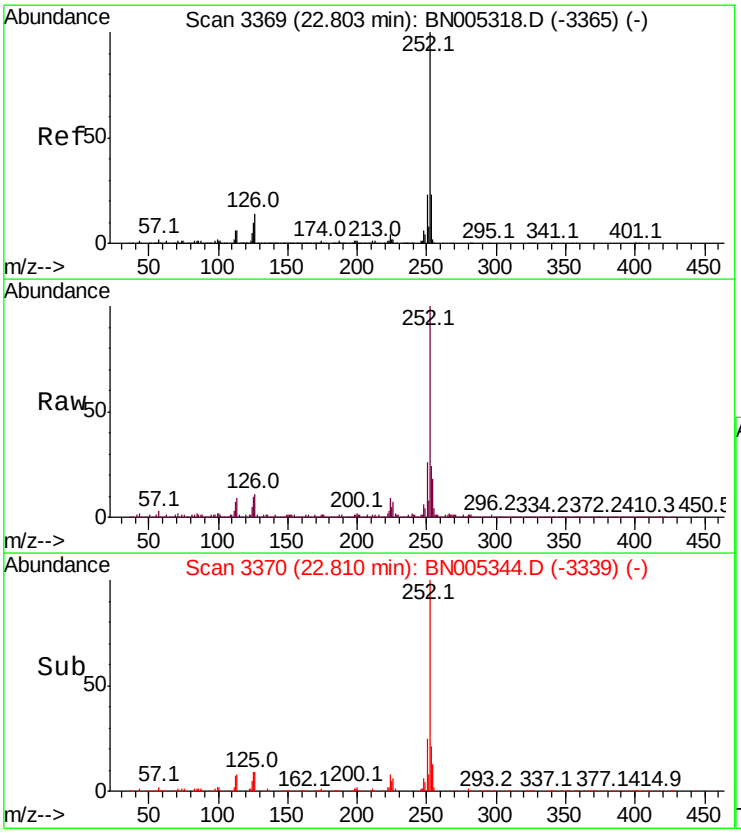
#87
Benzo(b)fluoranthene
Concen: 127.856 ng/ul
RT: 22.81 min Scan# 3370
Delta R.T. 0.02 min
Lab File: BN005344.D
Acq: 27 Apr 2019 07:25

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp:14931956

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.7	26.5
125	9.7	8.4	12.6

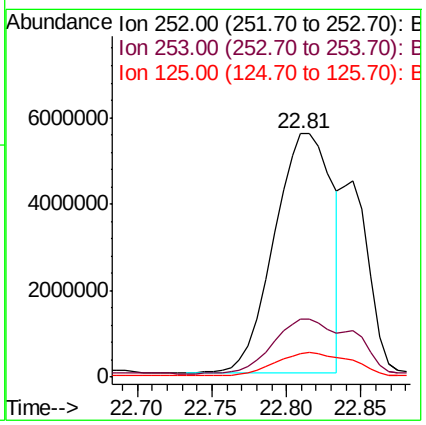


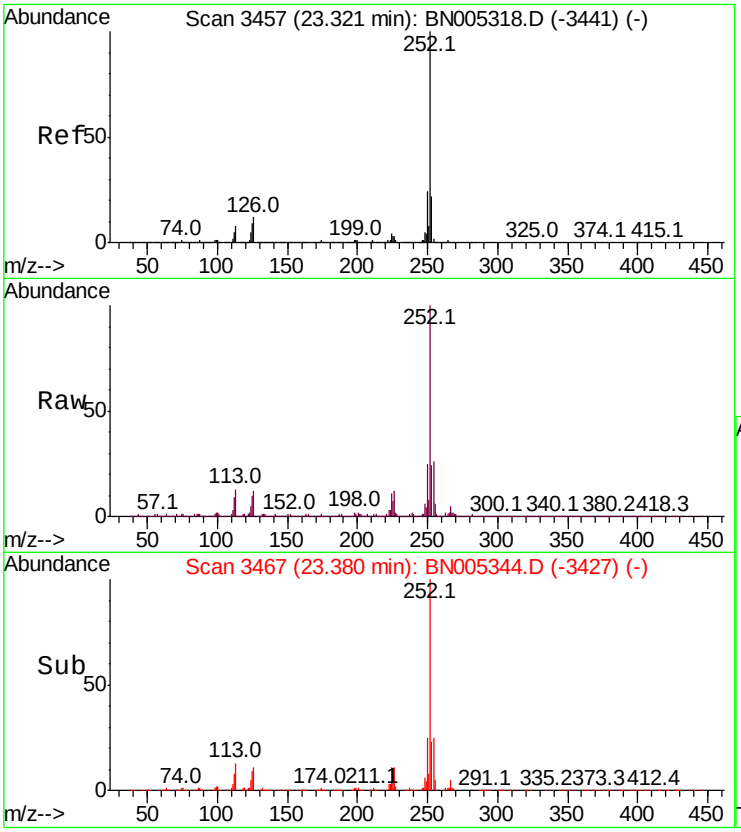


#88
Benzo(k)fluoranthene
Concen: 133.872 ng/ul
RT: 22.81 min Scan# 3370
Delta R.T. -0.02 min
Lab File: BN005344.D
Acq: 27 Apr 2019 07:25

Tgt Ion:252 Resp:14931956

Ion	Ratio	Lower	Upper
252	100		
253	24.0	17.4	26.0
125	9.7	7.5	11.3



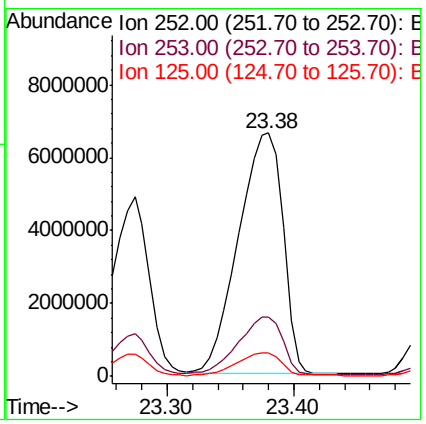


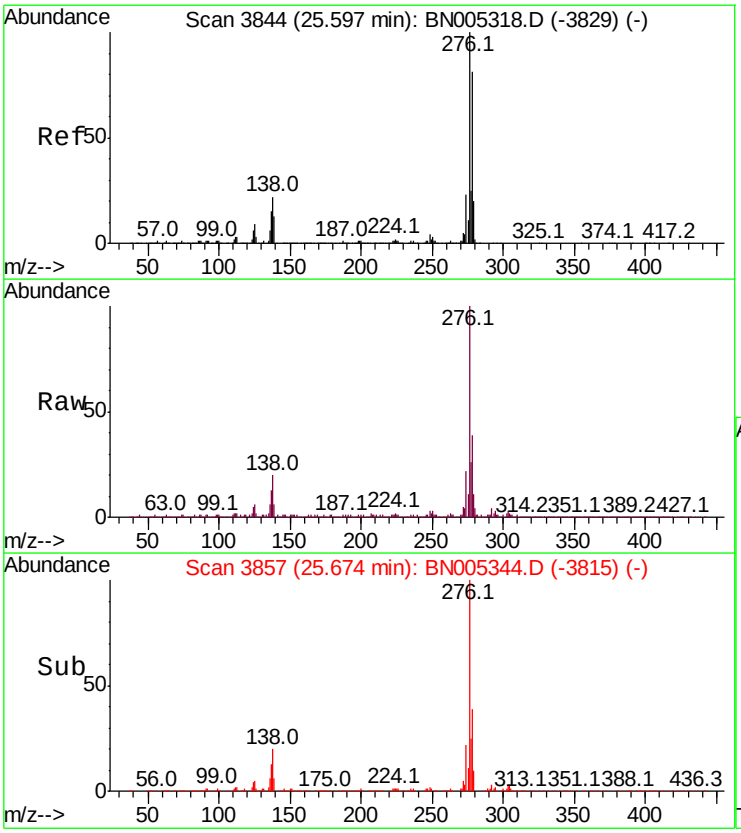
#90
Benzo(a)pyrene
Concen: 147.871 ng/ul
RT: 23.38 min Scan# 3467
Delta R.T. 0.04 min
Lab File: BN005344.D
Acq: 27 Apr 2019 07:25

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:252 Resp:16232529

Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.3	25.9
125	9.8	8.6	13.0

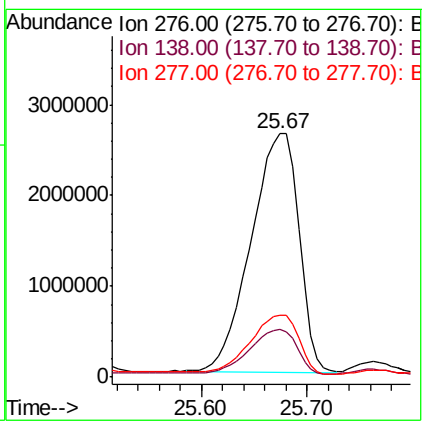


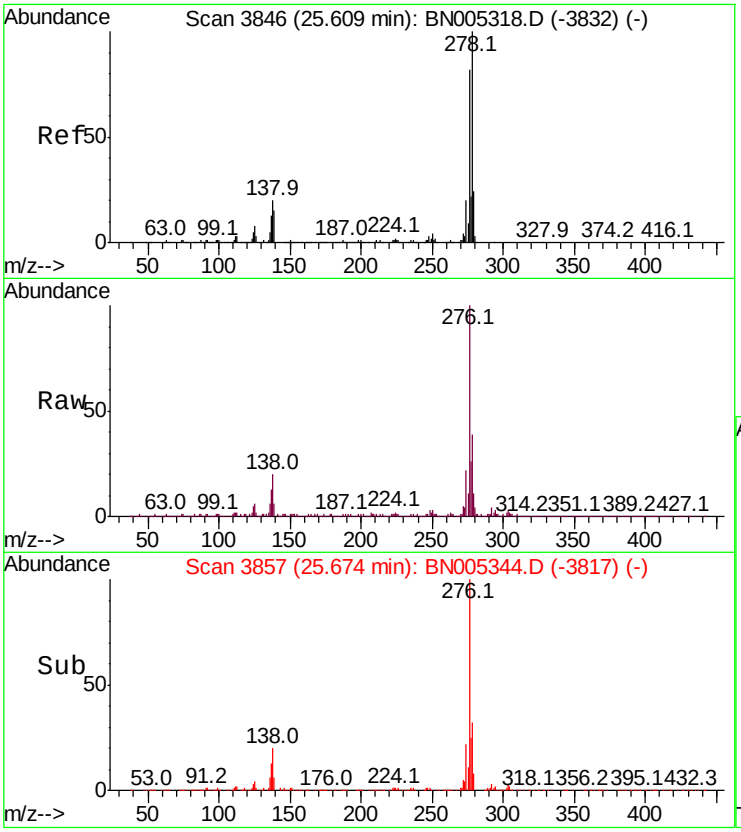


#91
Indeno(1,2,3-cd)pyrene
Concen: 68.371 ng/ul
RT: 25.67 min Scan# 3857
Delta R.T. 0.05 min
Lab File: BN005344.D
Acq: 27 Apr 2019 07:25

Tgt Ion:276 Resp: 8298024

Ion	Ratio	Lower	Upper
276	100		
138	19.8	17.9	26.9
277	25.6	19.7	29.5



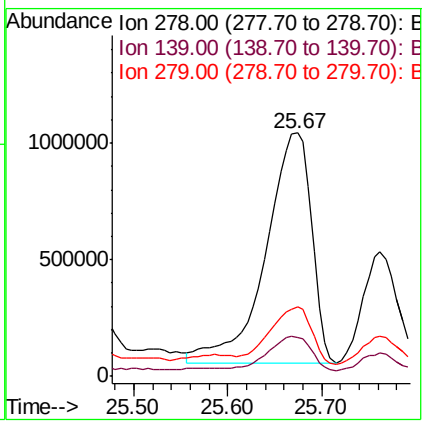


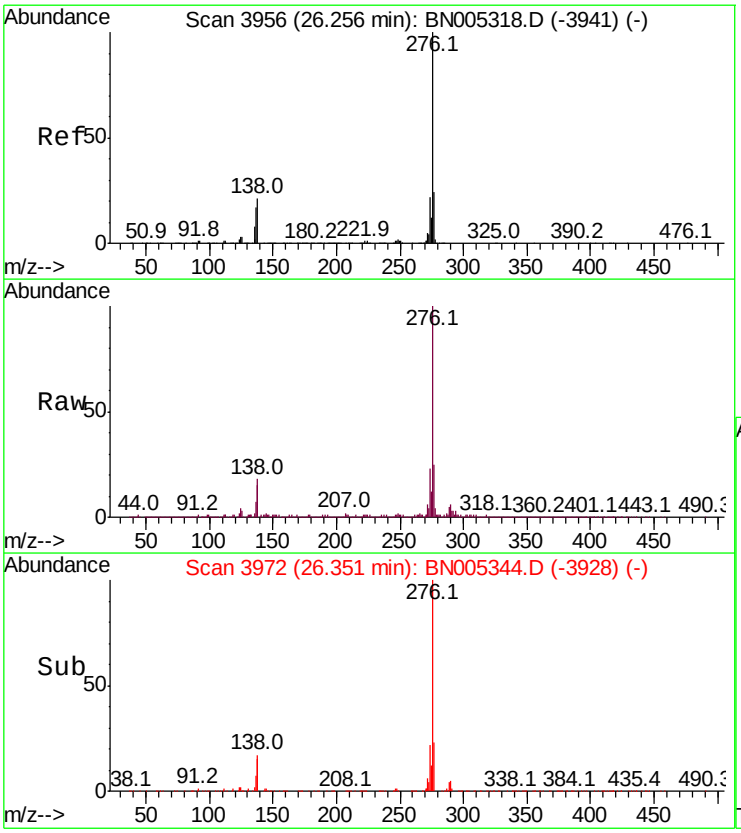
#92
Dibenzo(a,h)anthracene
Concen: 32.325 ng/ul
RT: 25.67 min Scan# 3857
Delta R.T. 0.04 min
Lab File: BN005344.D
Acq: 27 Apr 2019 07:25

Instrument :
BNA_N
ClientSampleId :

Tgt Ion:278 Resp: 3329529

Ion	Ratio	Lower	Upper
278	100		
139	16.0	13.1	19.7
279	28.4	19.4	29.0





#93
Benzo(g,h,i)perylene
Concen: 70.716 ng/ul
RT: 26.35 min Scan# 3972
Delta R.T. 0.06 min
Lab File: BN005344.D
Acq: 27 Apr 2019 07:25

Tgt Ion:276 Resp: 7096670

Ion	Ratio	Lower	Upper
276	100		
138	18.2	16.7	25.1
277	24.6	18.2	27.2