Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN052119\
Data File : BN005825.D
Acq On : 21 May 2019 14:30
Operator : JU/SJ
Sample : K2692-08
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A5113

Quant Time: May 21 15:53:58 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 21 14:36:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.56	152	58477	20.00	ng/ul	0.00
18) Naphthalene-d8	10.32	136	247042	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.20	164	167866	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.96	188	427382	20.00	ng/ul	0.00
77) Chrysene-d12	21.20	240	482400	20.00	ng/ul	-0.01
85) Perylene-d12	23.41	264	567276	20.00	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.18	96	5403	5.17	ng/uL	-0.01
5) Phenol-d5	6.76	99	125966	27.88	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.91	67	65787	27.90	ng/ul	0.00
9) 2-Chlorophenol-d4	7.10	132	104095	28.64	ng/ul	0.00
13) 4-Methylphenol-d8	8.28	113	103859	26.87	ng/ul	0.00
19) Nitrobenzene-d5	8.72	128	51985	28.98	ng/ul	0.00
22) 2-Nitrophenol-d4	9.43	143	60421	29.18	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.98	165	119100	30.13	ng/ul	0.00
29) 4-Chloroaniline-d4	10.48	131	130156	29.66	ng/ul	0.00
43) Dimethylphthalate-d6	13.62	166	472622	36.59	ng/ul	0.00
46) Acenaphthylene-d8	13.89	160	523140	33.33	ng/ul	0.00
51) 4-Nitrophenol-d4	14.46	143	63335	34.81	ng/ul	0.00
57) Fluorene-d10	15.20	176	394236	35.54	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.37	200	52402	20.40	ng/ul	0.00
70) Anthracene-d10	17.06	188	663327	35.93	ng/ul	0.00
78) Pyrene-d10	19.38	212	835435	35.15	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.27	264	988654	38.85	ng/ul	-0.02
Target Compounds						Qvalue
2) 1,4-Dioxane	3.21	88	17229	15.669	ng/uL	95
4) Benzaldehyde	6.72	77	70809	21.645	ng/ul	96
6) Phenol	6.79	94	199486	43.303	ng/ul	97
8) Bis(2-Chloroethyl)ether	7.00	93	111175	32.932	ng/ul	92
17) Hexachloroethane	8.62	117	79203	50.159	ng/ul	84
20) Nitrobenzene	8.76	77	76440	18.440	ng/ul	98
23) 2-Nitrophenol	9.46	139	75013	34.797	ng/ul	96
28) Naphthalene	10.38	128	452581	38.351	ng/ul	99
34) 2-Methylnaphthalene	11.99	142	480276	52.698	ng/ul	98
36) 1,2,4,5-Tetrachlorobenzene	12.38	216	111487	20.628	ng/ul#	93
39) 2,4,5-Trichlorophenol	12.71	196	230296	65.529	ng/ul	99
40) 1,1'-Biphenyl	13.02	154	481307	39.431	ng/ul#	96
41) 2-Chloronaphthalene	13.07	162	373561	38.746	ng/ul	96
47) Acenaphthylene	13.92	152	486825	32.214	ng/ul	98
49) Acenaphthene	14.26	153	329750	32.204	ng/ul	99
52) 4-Nitrophenol	14.47	109	51099	30.070	ng/ul	93
53) Dibenzofuran	14.61	168	257233	16.932	ng/ul	98
54) 2,4-Dinitrotoluene	14.62	165	104407	25.964	ng/ul	95
56) Diethylphthalate	15.05	149	285431	22.146	ng/ul	98
58) Fluorene	15.26	166	487802	39.476	ng/ul	97
66) Hexachlorobenzene	16.27	284	89564	17.839	ng/ul#	92
69) Phenanthrene	17.00	178	714230	33.714	ng/ul	100
71) Anthracene	17.10	178	1114059	51.647	ng/ul	99

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Misc :
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Quant Time: May 21 15:53:58 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue May 21 14:36:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) Fluoranthene	19.04	202	875286	33.418	ng/ul#	90
79) Pyrene	19.41	202	801888	27.069	ng/ul#	86
82) Benzo(a)anthracene	21.19	228	748412	24.626	ng/ul	100
84) Chrysene	21.24	228	638404	22.283	ng/ul	100
86) Di-n-octyl phthalate	22.00	149	682502	22.549	ng/ul	100
87) Benzo(b)fluoranthene	22.76	252	1377768	44.148	ng/ul#	94
88) Benzo(k)fluoranthene	22.80	252	730832	24.202	ng/ul#	96
90) Benzo(a)pyrene	23.31	252	700142	23.168	ng/ul#	96
91) Indeno(1,2,3-cd)pyrene	25.60	276	909067	24.605	ng/ul#	92
92) Dibenzo(a,h)anthracene	25.60	278	524593	16.867	ng/ul#	93
93) Benzo(g,h,i)perylene	26.27	276	1223524	39.616	ng/ul#	91

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

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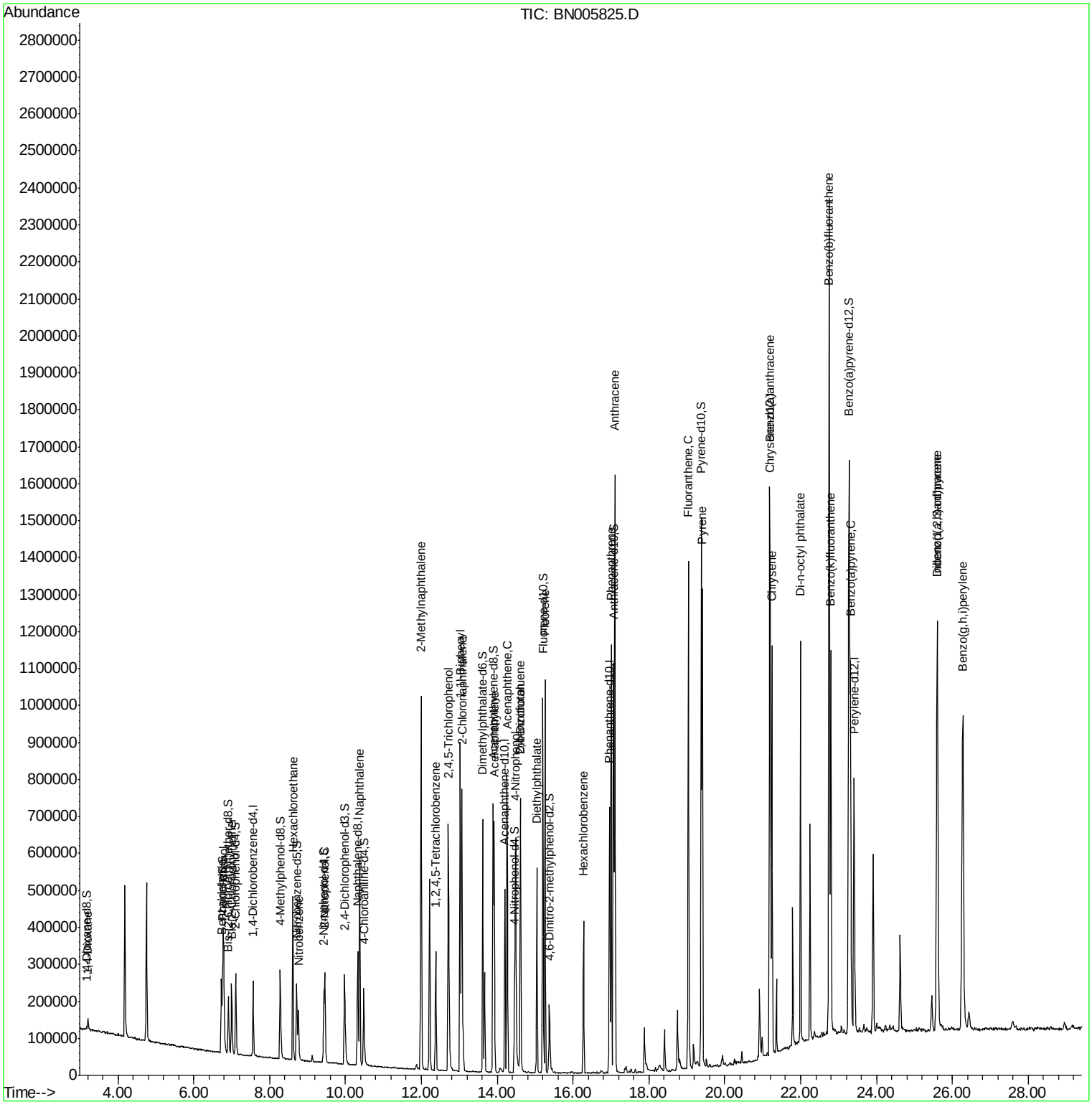
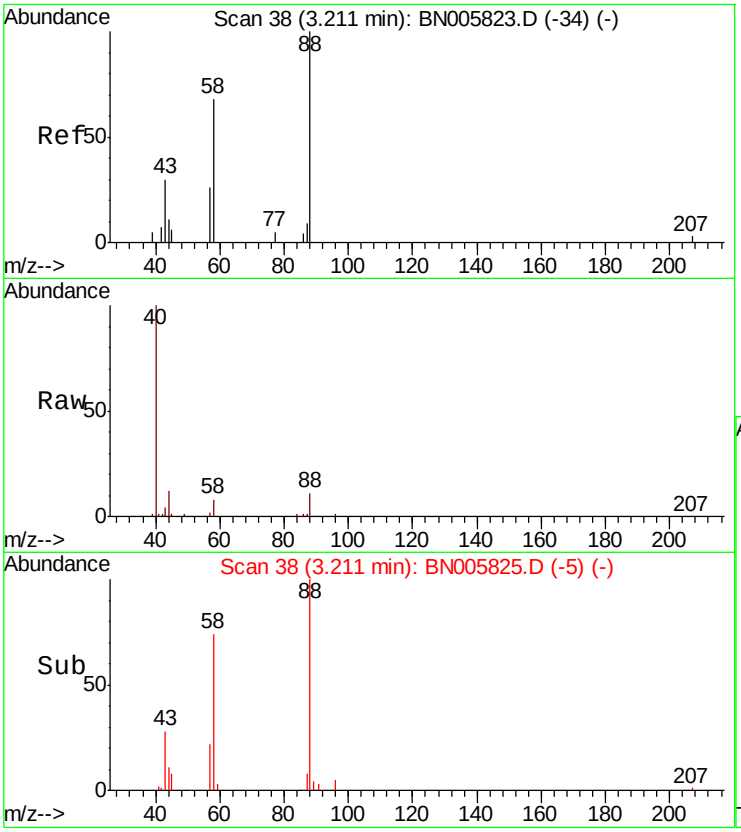


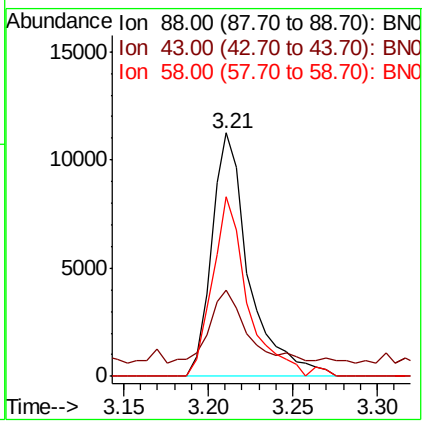


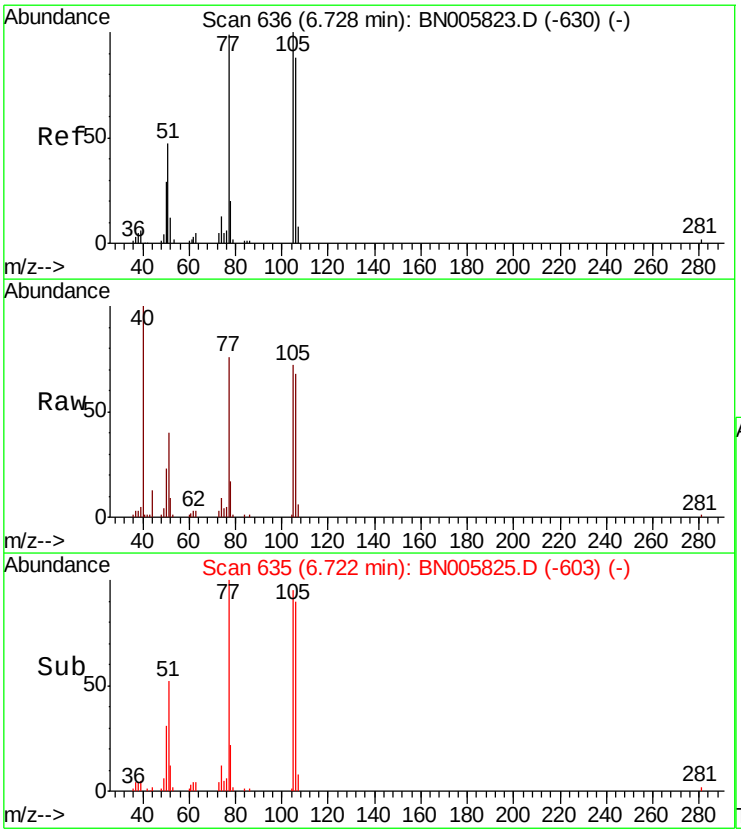
#2
1,4-Dioxane
Concen: 15.669 ng/uL
RT: 3.21 min Scan# 38
Delta R.T. -0.01 min
Lab File: BN005825.D
Acq: 21 May 2019 14:30

Instrument :
BNA_N
ClientSampleId :
A5113

Tgt Ion: 88 Resp: 17229

Ion	Ratio	Lower	Upper
88	100		
43	35.5	25.3	37.9
58	73.6	62.3	93.5

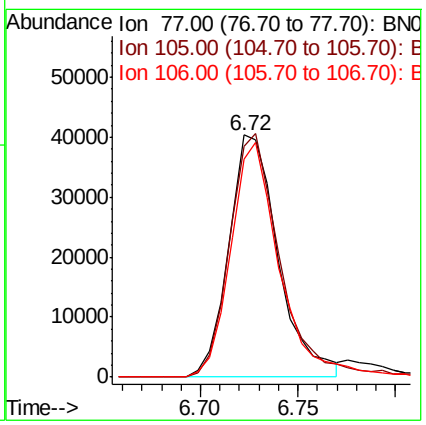


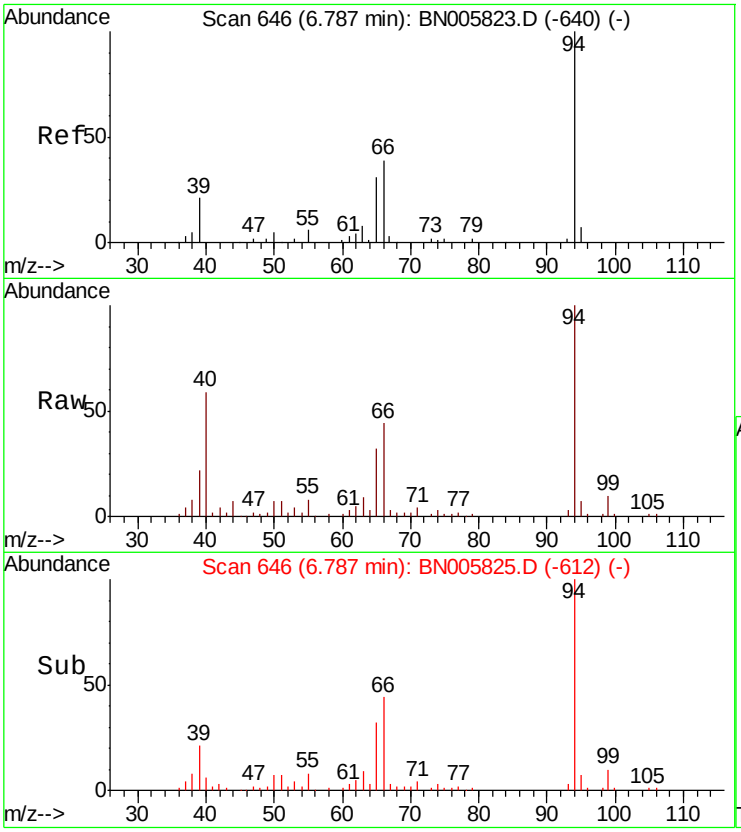


#4
Benzaldehyde
Concen: 21.645 ng/ul
RT: 6.72 min Scan# 635
Delta R.T. -0.01 min
Lab File: BN005825.D
Acq: 21 May 2019 14:30

Tgt Ion: 77 Resp: 70809

Ion	Ratio	Lower	Upper
77	100		
105	95.1	77.4	116.2
106	89.9	76.3	114.5



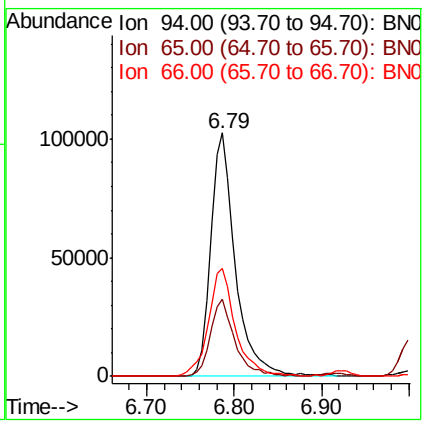


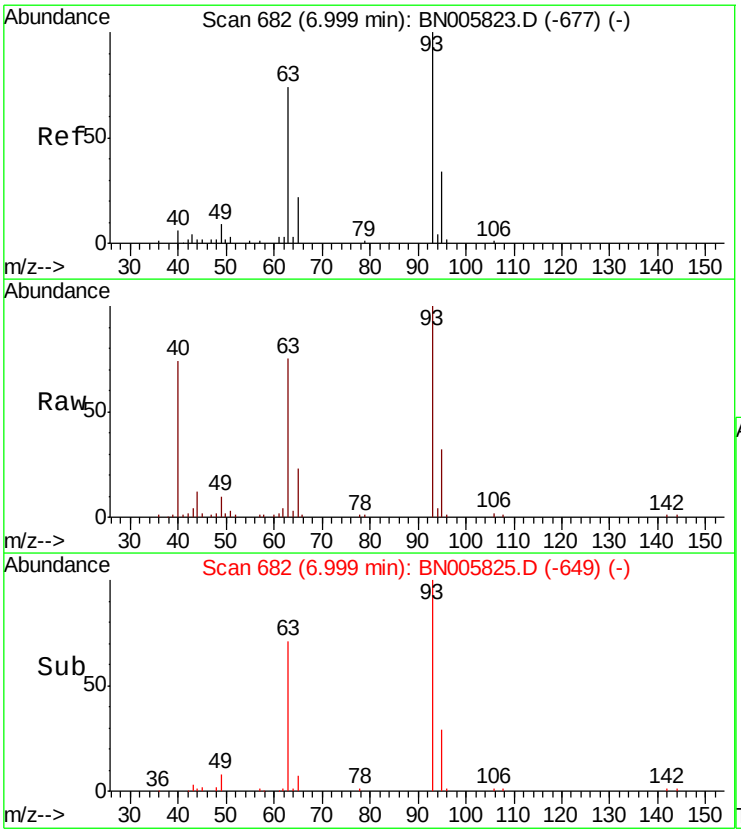
#6
Phenol
Concen: 43.303 ng/ul
RT: 6.79 min Scan# 646
Delta R.T. 0.00 min
Lab File: BN005825.D
Acq: 21 May 2019 14:30

Instrument :
BNA_N
ClientSampleId :
A5113

Tgt Ion: 94 Resp: 199486

Ion	Ratio	Lower	Upper
94	100		
65	31.6	24.2	36.4
66	44.4	33.8	50.6

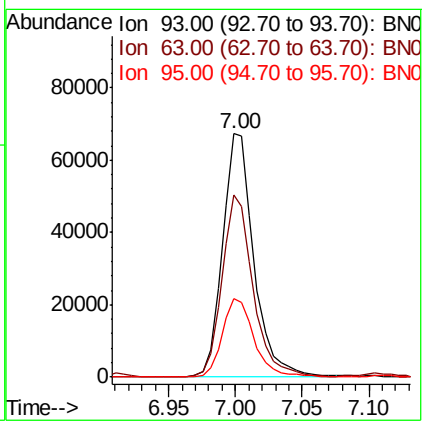


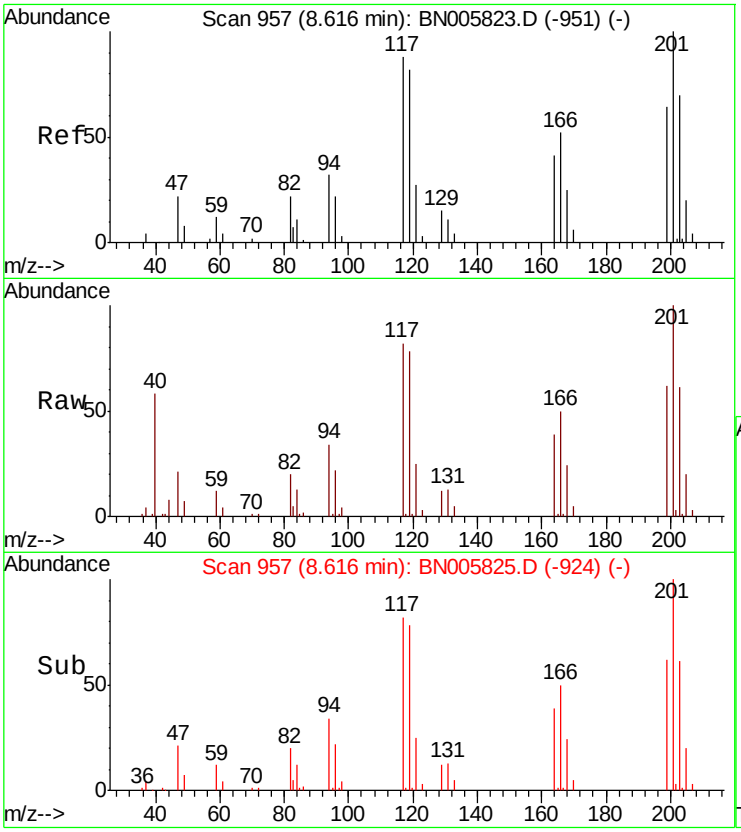


#8
Bis(2-Chloroethyl)ether
Concen: 32.932 ng/ul
RT: 7.00 min Scan# 682
Delta R.T. -0.01 min
Lab File: BN005825.D
Acq: 21 May 2019 14:30

Tgt Ion: 93 Resp: 111175

Ion	Ratio	Lower	Upper
93	100		
63	75.0	67.1	100.7
95	32.3	26.9	40.3



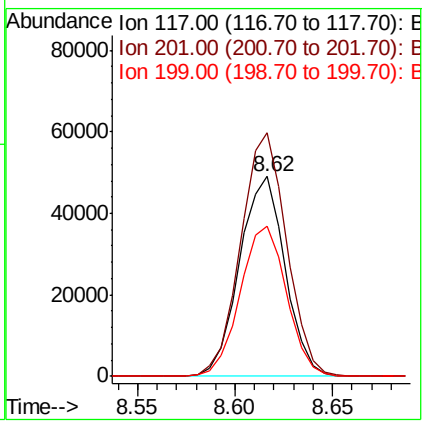


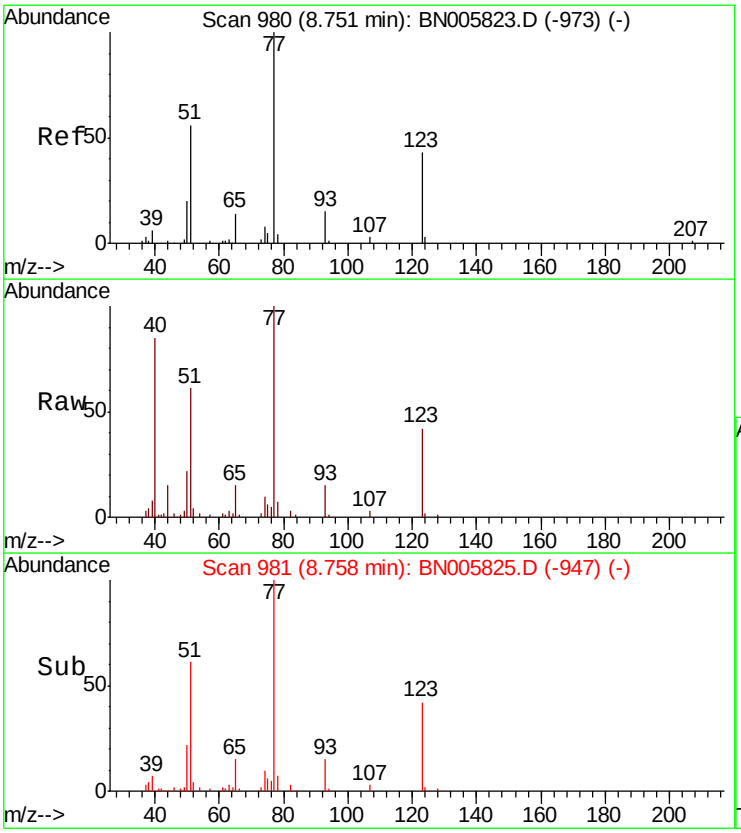
#17
Hexachloroethane
Concen: 50.159 ng/ul
RT: 8.62 min Scan# 957
Delta R.T. -0.01 min
Lab File: BN005825.D
Acq: 21 May 2019 14:30

Instrument :
BNA_N
ClientSampleId :
A5113

Tgt Ion:117 Resp: 79203

Ion	Ratio	Lower	Upper
117	100		
201	121.7	84.1	126.1
199	75.3	51.2	76.8

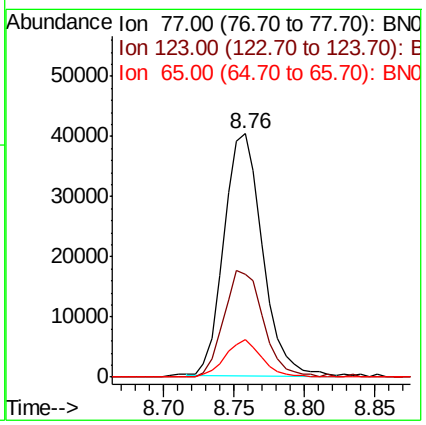


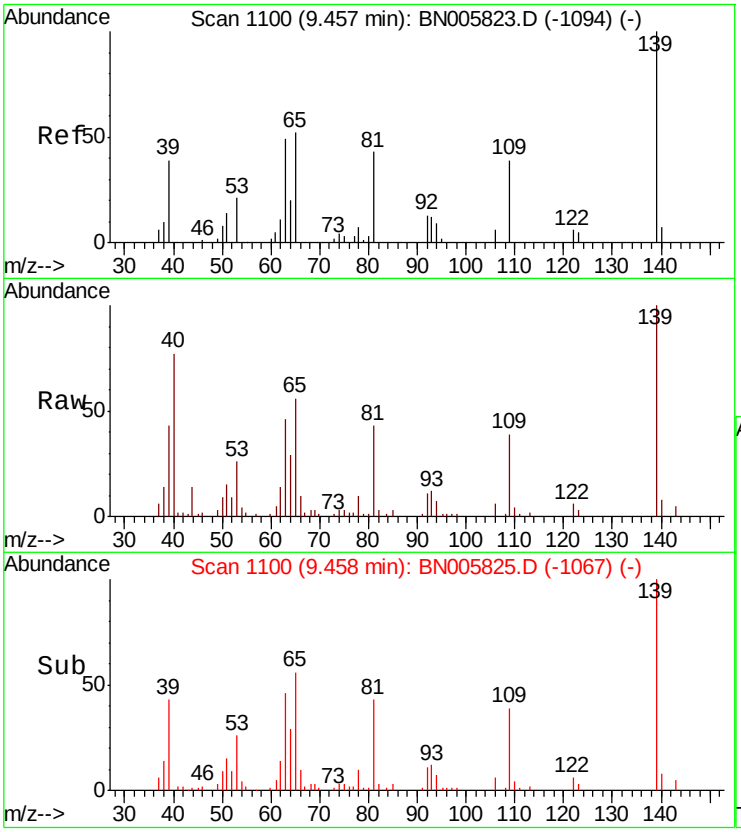


#20
Nitrobenzene
Concen: 18.440 ng/ul
RT: 8.76 min Scan# 981
Delta R.T. 0.00 min
Lab File: BN005825.D
Acq: 21 May 2019 14:30

Tgt Ion: 77 Resp: 76440

Ion	Ratio	Lower	Upper
77	100		
123	42.4	32.6	49.0
65	15.3	11.6	17.4



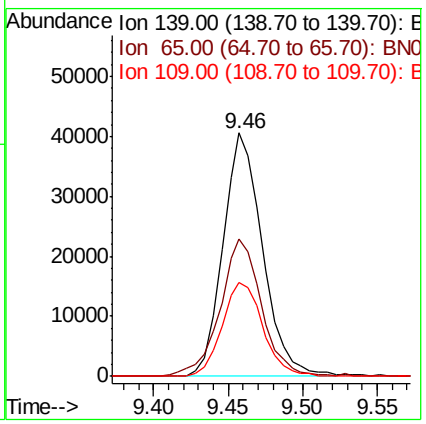


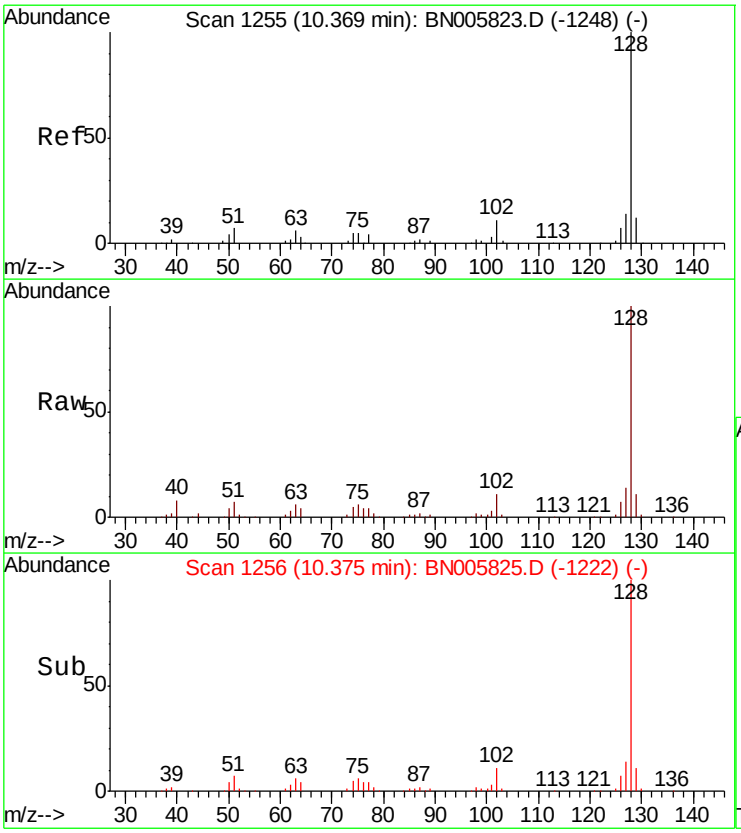
#23
2-Nitrophenol
Concen: 34.797 ng/ul
RT: 9.46 min Scan# 1100
Delta R.T. -0.01 min
Lab File: BN005825.D
Acq: 21 May 2019 14:30

Instrument :
BNA_N
ClientSampleId :
A5113

Tgt Ion:139 Resp: 75013

Ion	Ratio	Lower	Upper
139	100		
65	56.4	44.2	66.4
109	38.6	26.8	40.2

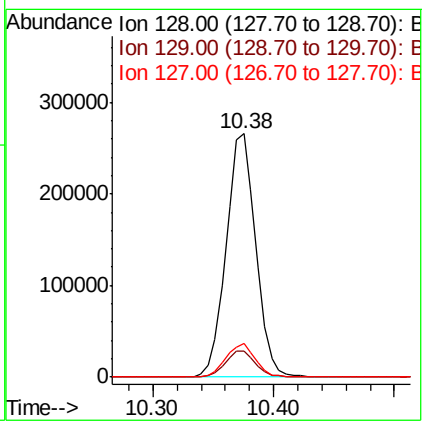


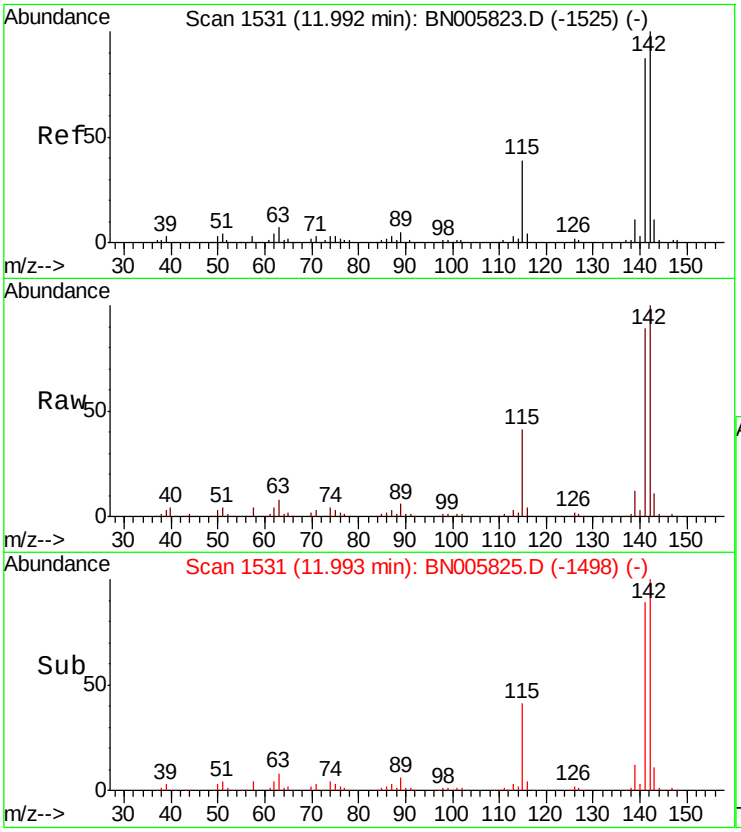


#28
Naphthalene
Concen: 38.351 ng/ul
RT: 10.38 min Scan# 1256
Delta R.T. 0.00 min
Lab File: BN005825.D
Acq: 21 May 2019 14:30

Tgt Ion:128 Resp: 452581

Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.2	13.8
127	13.9	10.7	16.1



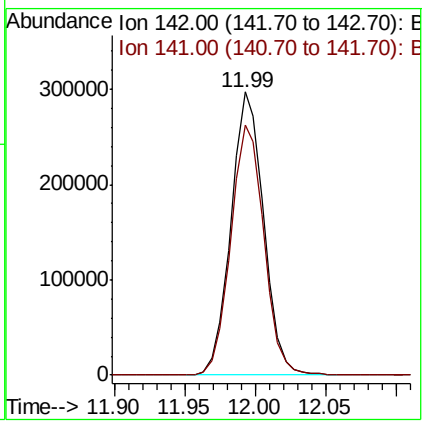


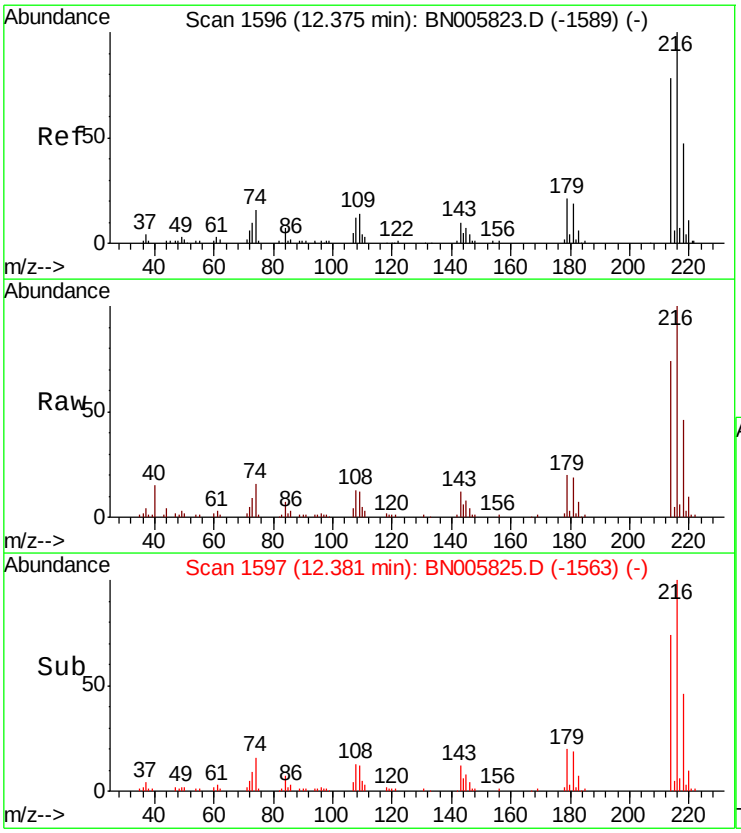
#34
2-Methylnaphthalene
Concen: 52.698 ng/ul
RT: 11.99 min Scan# 1531
Delta R.T. -0.01 min
Lab File: BN005825.D
Acq: 21 May 2019 14:30

Instrument :
BNA_N
ClientSampleId :
A5113

Tgt Ion:142 Resp: 480276

Ion	Ratio	Lower	Upper
142	100		
141	88.6	72.0	108.0

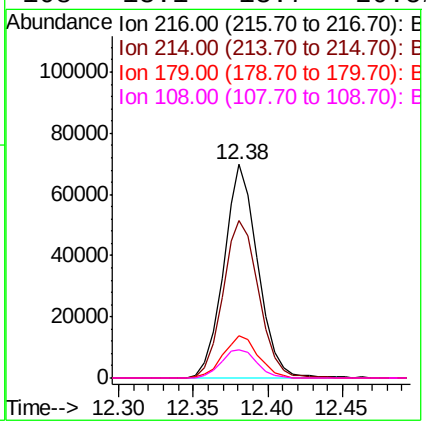


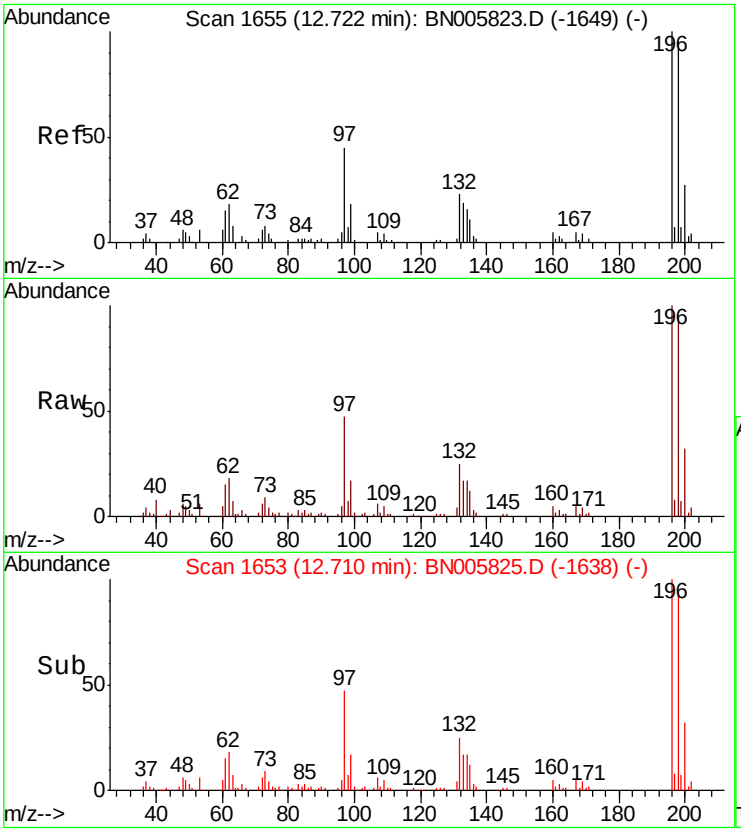


#36
1,2,4,5-Tetrachlorobenzene
Concen: 20.628 ng/ul
RT: 12.38 min Scan# 1597
Delta R.T. 0.00 min
Lab File: BN005825.D
Acq: 21 May 2019 14:30

Tgt Ion:216 Resp: 111487

Ion	Ratio	Lower	Upper
216	100		
214	73.9	64.1	96.1
179	19.6	17.4	26.0
108	13.1	13.7	20.5#



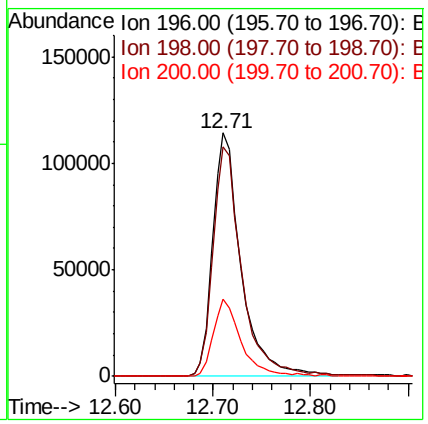


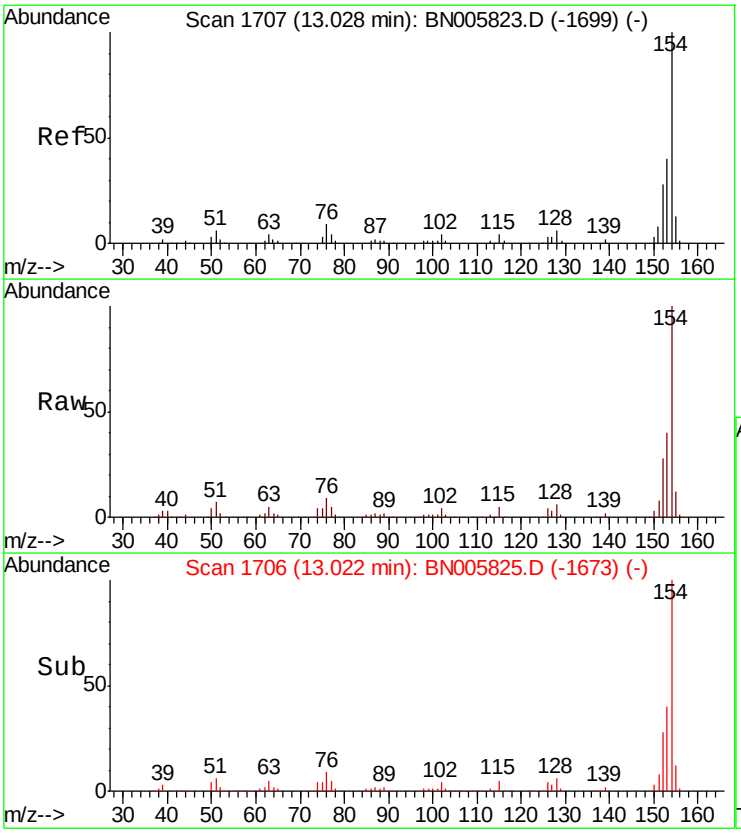
#39
2,4,5-Trichlorophenol
Concen: 65.529 ng/ul
RT: 12.71 min Scan# 1653
Delta R.T. -0.01 min
Lab File: BN005825.D
Acq: 21 May 2019 14:30

Instrument :
BNA_N
ClientSampleId :
A5113

Tgt Ion:196 Resp: 230296

Ion	Ratio	Lower	Upper
196	100		
198	94.4	75.0	112.4
200	31.6	24.2	36.4

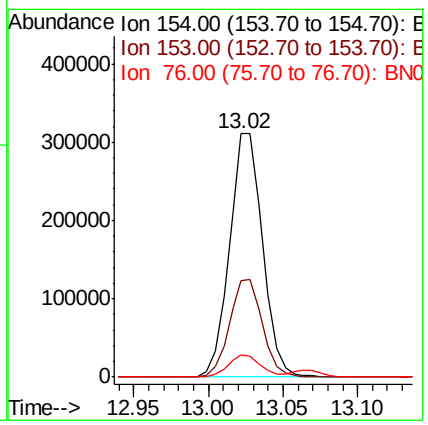


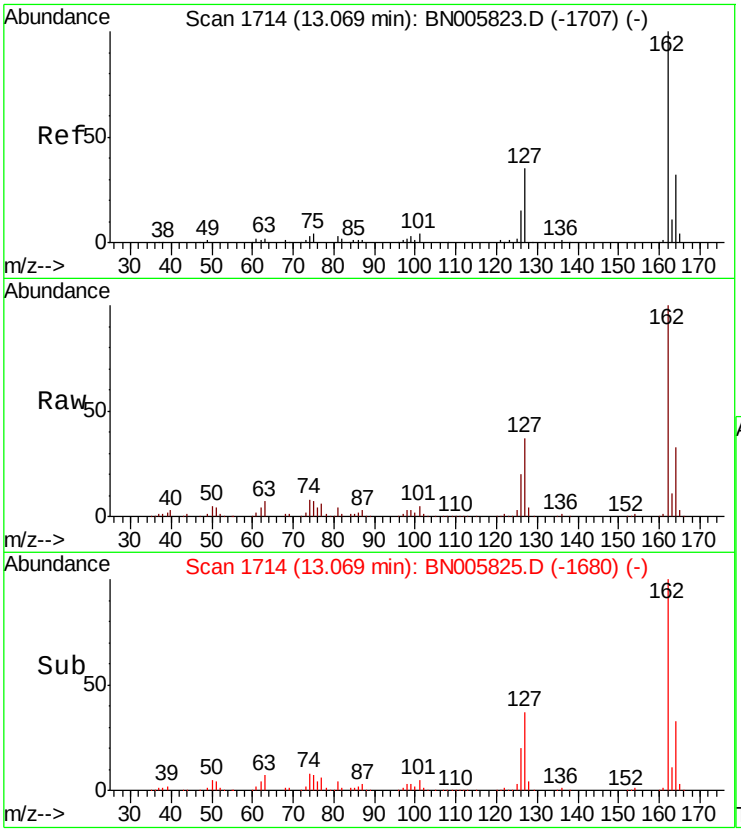


#40
1,1'-Biphenyl
Concen: 39.431 ng/ul
RT: 13.02 min Scan# 1706
Delta R.T. -0.01 min
Lab File: BN005825.D
Acq: 21 May 2019 14:30

Tgt Ion:154 Resp: 481307

Ion	Ratio	Lower	Upper
154	100		
153	39.8	32.6	49.0
76	9.0	10.4	15.6#



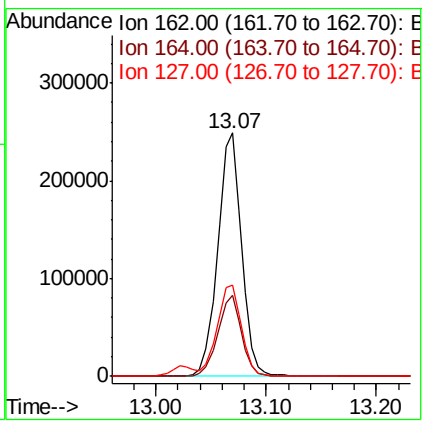


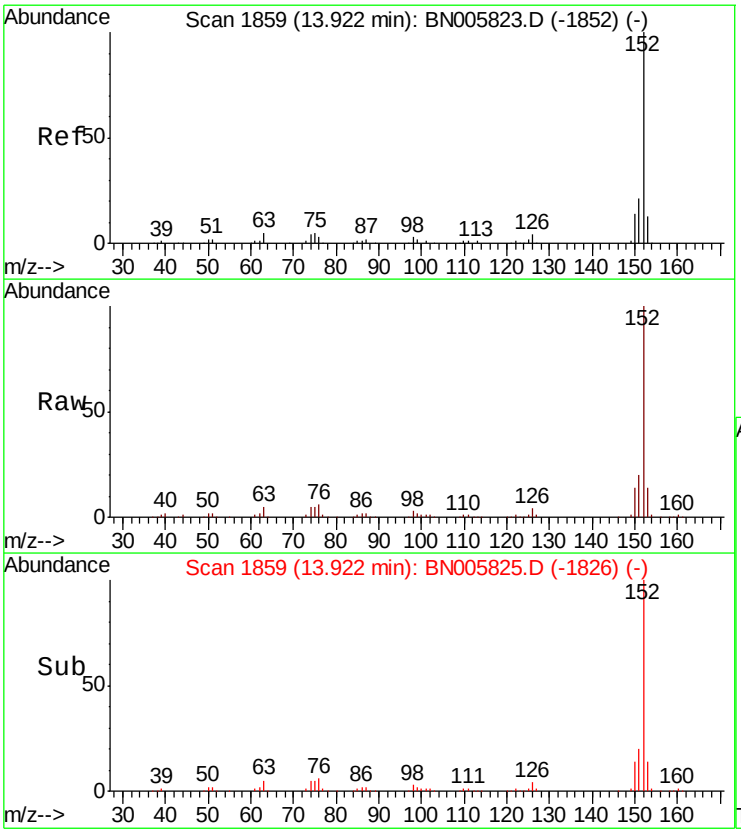
#41
2-Chloronaphthalene
Concen: 38.746 ng/ul
RT: 13.07 min Scan# 1714
Delta R.T. 0.00 min
Lab File: BN005825.D
Acq: 21 May 2019 14:30

Instrument :
BNA_N
ClientSampleId :
A5113

Tgt Ion:162 Resp: 373561

Ion	Ratio	Lower	Upper
162	100		
164	33.2	26.8	40.2
127	37.5	33.5	50.3

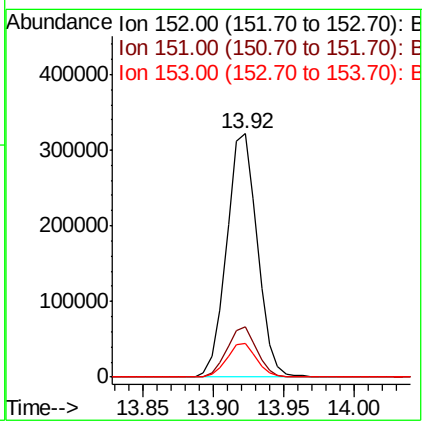


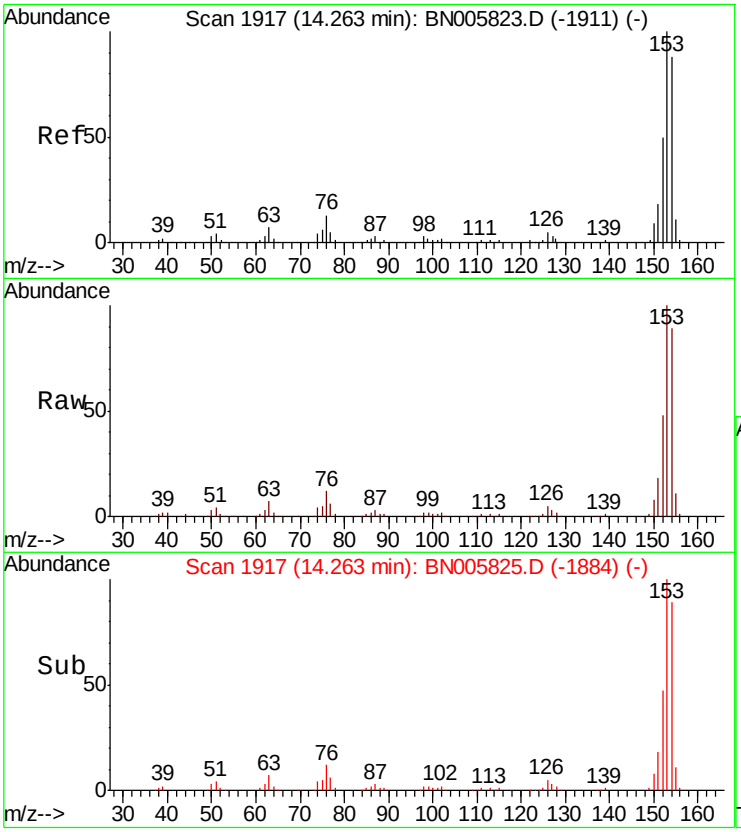


#47
Acenaphthylene
Concen: 32.214 ng/ul
RT: 13.92 min Scan# 1859
Delta R.T. -0.01 min
Lab File: BN005825.D
Acq: 21 May 2019 14:30

Tgt Ion:152 Resp: 486825

Ion	Ratio	Lower	Upper
152	100		
151	20.4	15.8	23.8
153	13.6	9.8	14.8



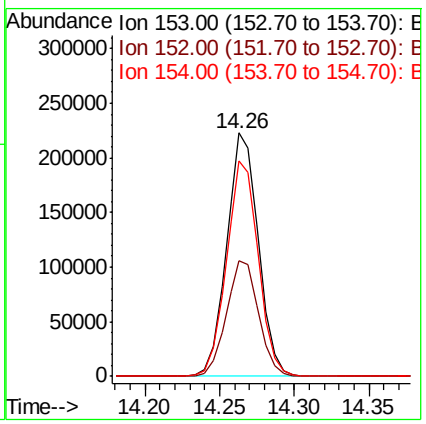


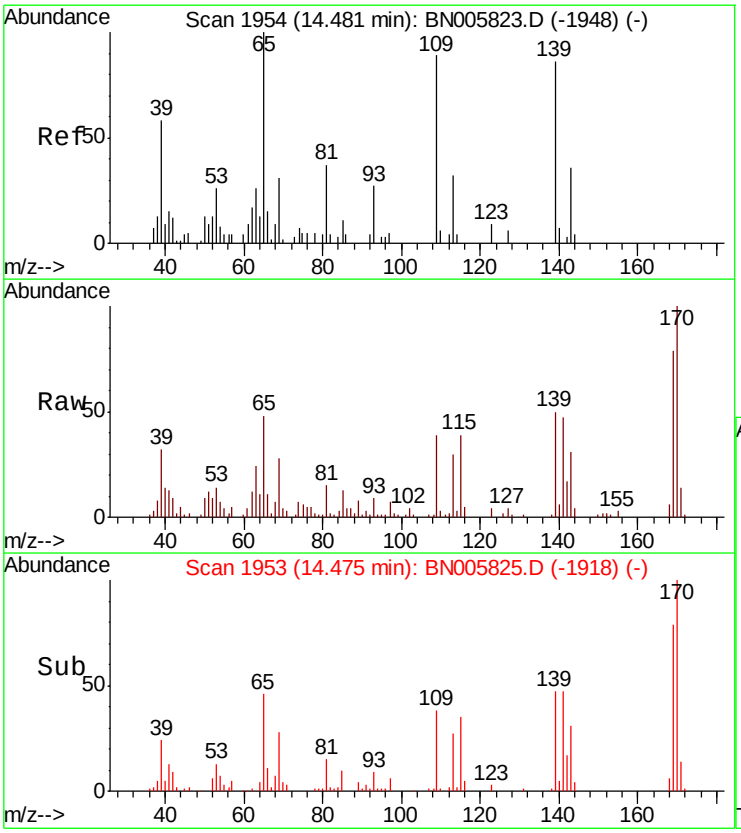
#49
Acenaphthene
Concen: 32.204 ng/ul
RT: 14.26 min Scan# 1917
Delta R.T. -0.01 min
Lab File: BN005825.D
Acq: 21 May 2019 14:30

Instrument :
BNA_N
ClientSampleId :
A5113

Tgt Ion:153 Resp: 329750

Ion	Ratio	Lower	Upper
153	100		
152	47.6	37.4	56.0
154	88.7	71.2	106.8

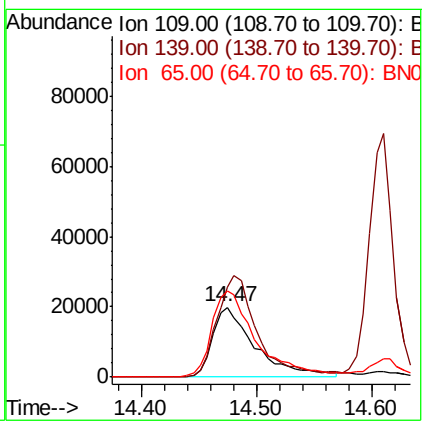


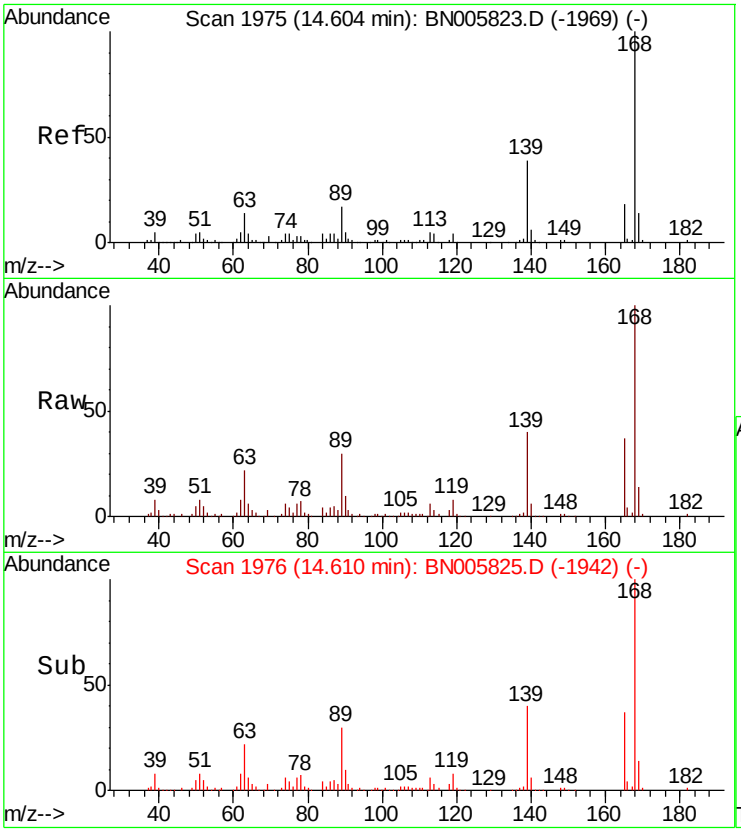


#52
4-Nitrophenol
Concen: 30.070 ng/ul
RT: 14.47 min Scan# 1953
Delta R.T. 0.01 min
Lab File: BN005825.D
Acq: 21 May 2019 14:30

Tgt Ion:109 Resp: 51099

Ion	Ratio	Lower	Upper
109	100		
139	128.8	92.3	138.5
65	124.1	97.5	146.3



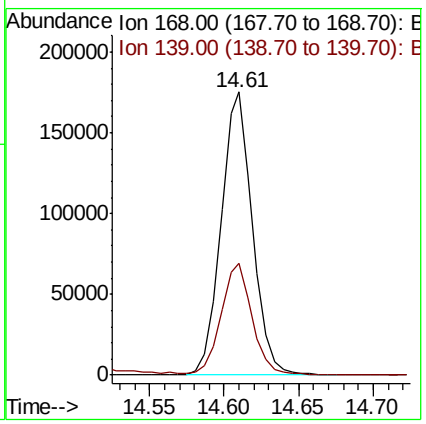


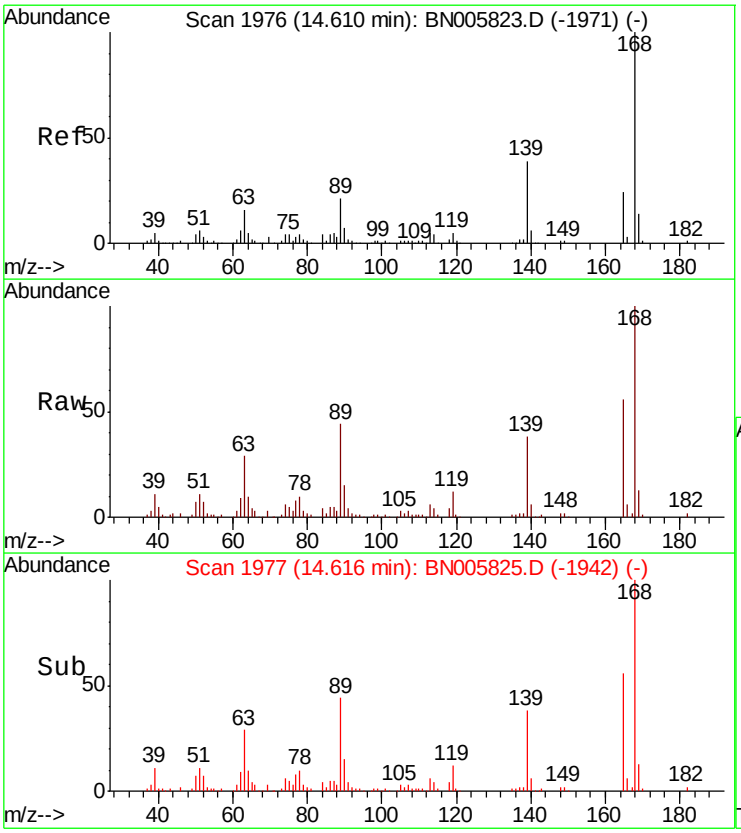
#53
Dibenzofuran
Concen: 16.932 ng/ul
RT: 14.61 min Scan# 1976
Delta R.T. 0.00 min
Lab File: BN005825.D
Acq: 21 May 2019 14:30

Instrument :
BNA_N
ClientSampleId :
A5113

Tgt Ion:168 Resp: 257233

Ion	Ratio	Lower	Upper
168	100		
139	39.6	30.9	46.3

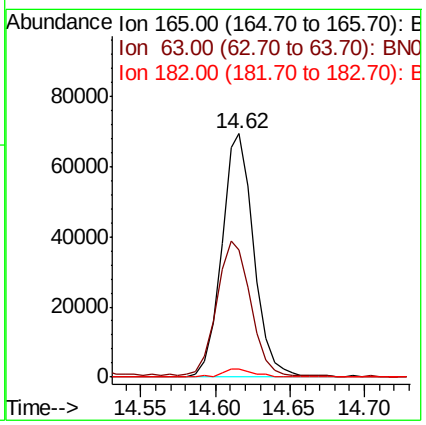


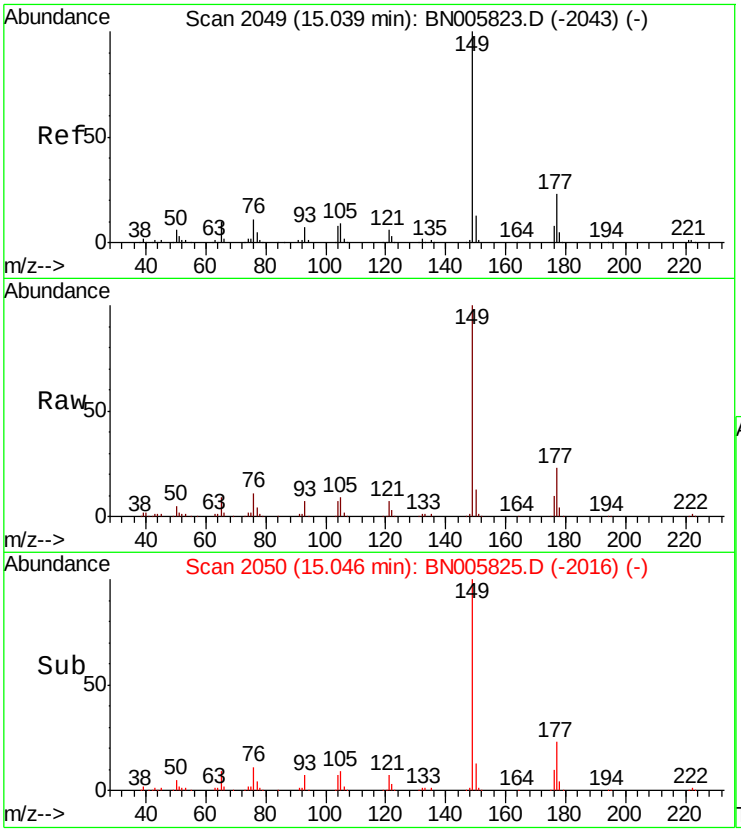


#54
2,4-Dinitrotoluene
Concen: 25.964 ng/ul
RT: 14.62 min Scan# 1977
Delta R.T. 0.01 min
Lab File: BN005825.D
Acq: 21 May 2019 14:30

Tgt Ion:165 Resp: 104407

Ion	Ratio	Lower	Upper
165	100		
63	52.1	38.9	58.3
182	3.2	2.6	3.8



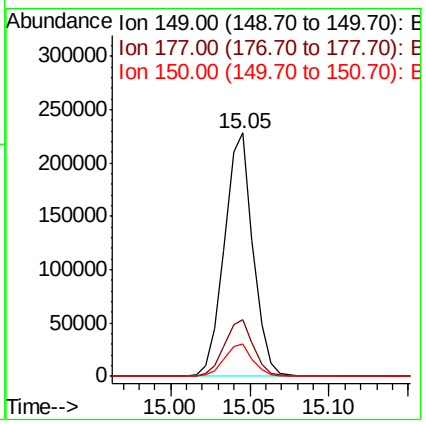


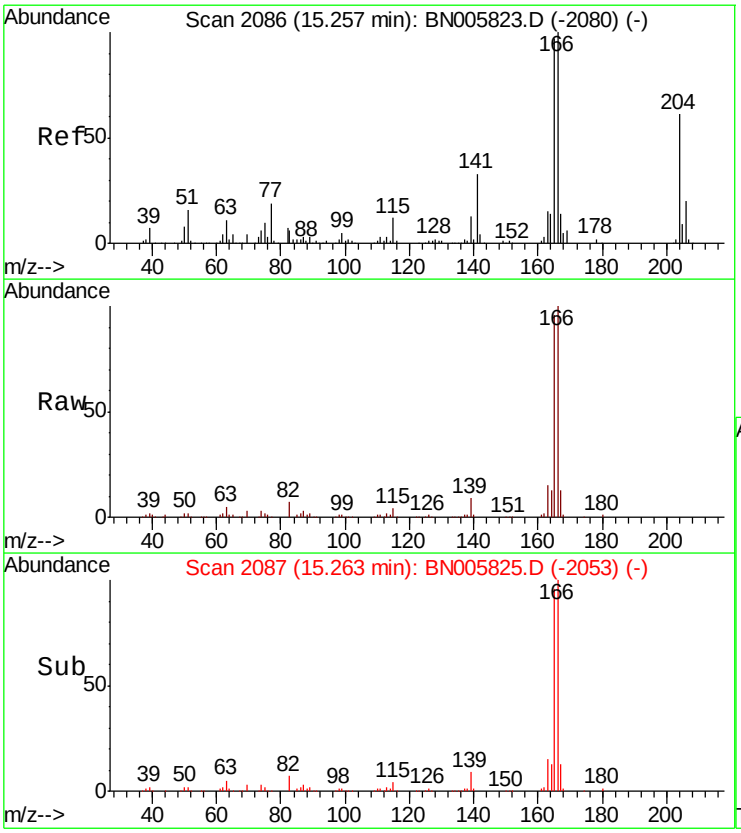
#56
Diethylphthalate
Concen: 22.146 ng/ul
RT: 15.05 min Scan# 2050
Delta R.T. 0.00 min
Lab File: BN005825.D
Acq: 21 May 2019 14:30

Instrument :
BNA_N
ClientSampleId :
A5113

Tgt Ion:149 Resp: 285431

Ion	Ratio	Lower	Upper
149	100		
177	23.5	17.7	26.5
150	13.1	10.0	15.0

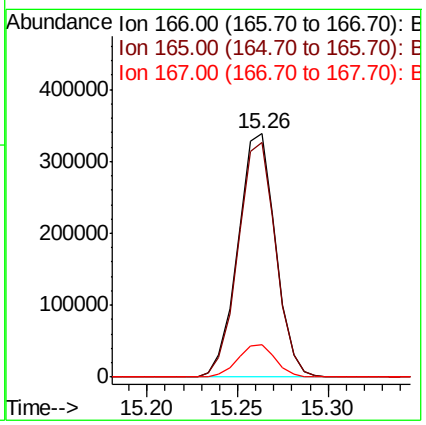


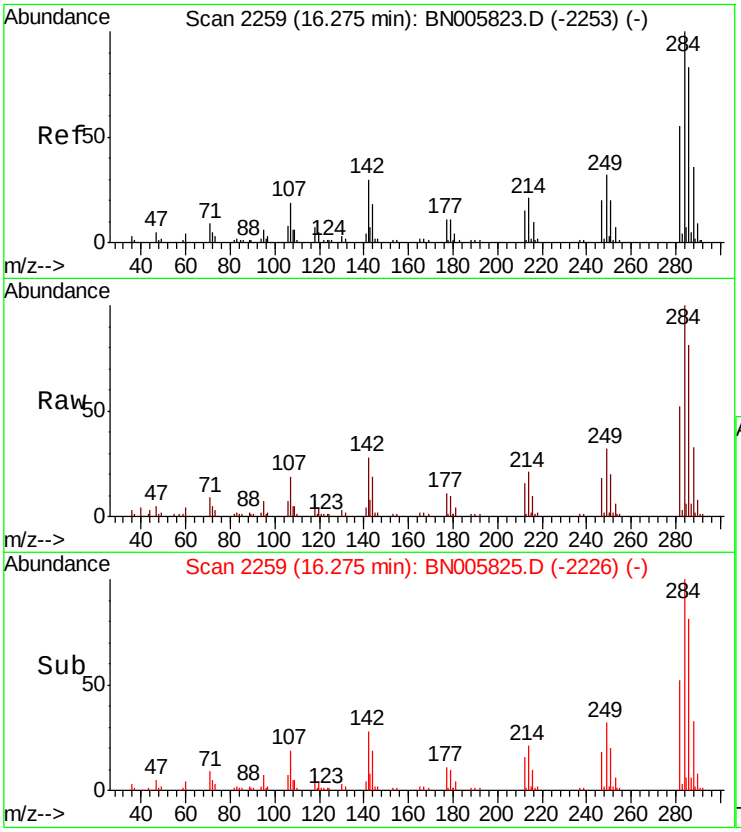


#58
Fluorene
Concen: 39.476 ng/ul
RT: 15.26 min Scan# 2087
Delta R.T. 0.00 min
Lab File: BN005825.D
Acq: 21 May 2019 14:30

Tgt Ion:166 Resp: 487802

Ion	Ratio	Lower	Upper
166	100		
165	96.3	80.0	120.0
167	13.4	10.7	16.1



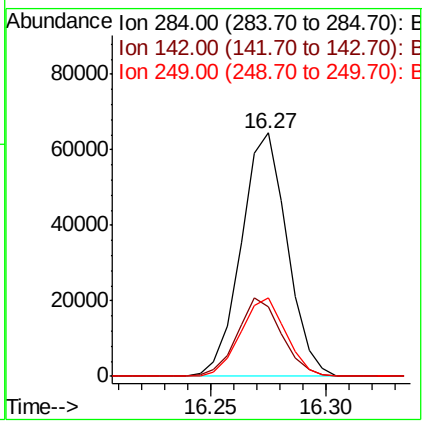


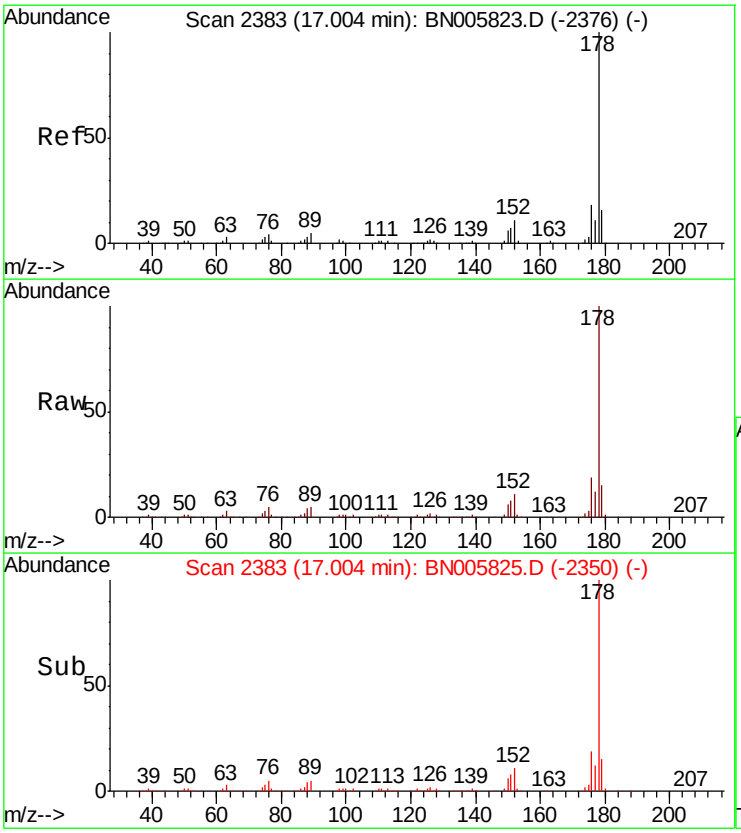
#66
Hexachlorobenzene
Concen: 17.839 ng/ul
RT: 16.27 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BN005825.D
Acq: 21 May 2019 14:30

Instrument :
BNA_N
ClientSampleId :
A5113

Tgt Ion:284 Resp: 89564

Ion	Ratio	Lower	Upper
284	100		
142	28.5	29.4	44.2#
249	32.3	26.1	39.1

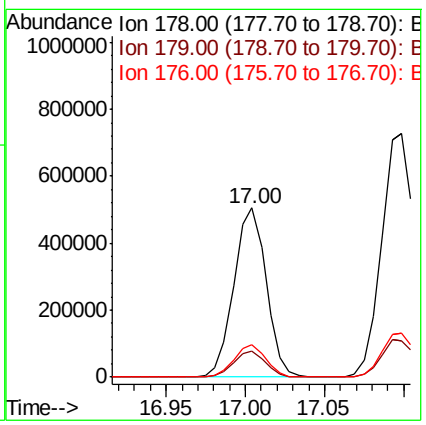


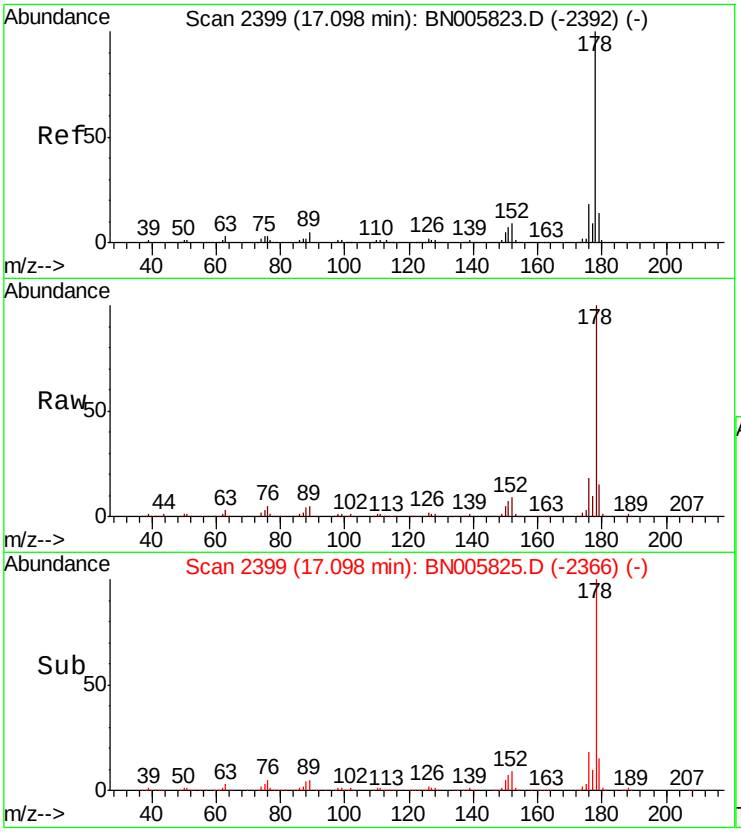


#69
Phenanthrene
Concen: 33.714 ng/ul
RT: 17.00 min Scan# 2383
Delta R.T. -0.01 min
Lab File: BN005825.D
Acq: 21 May 2019 14:30

Tgt Ion:178 Resp: 714230

Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.2	18.4
176	19.0	15.1	22.7



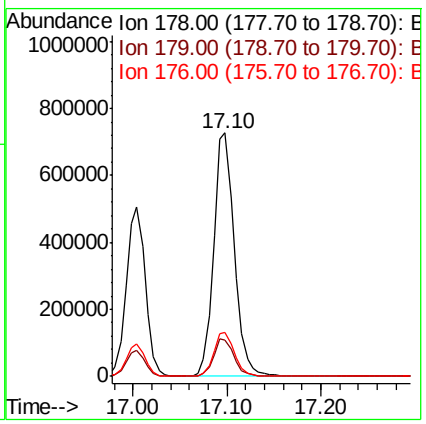


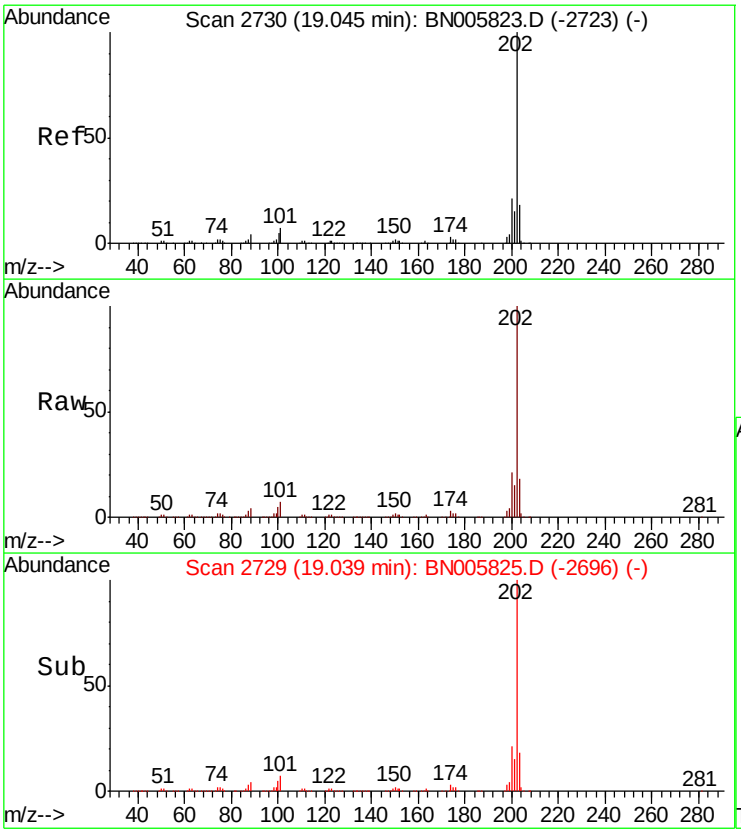
#71
Anthracene
Concen: 51.647 ng/ul
RT: 17.10 min Scan# 2399
Delta R.T. -0.01 min
Lab File: BN005825.D
Acq: 21 May 2019 14:30

Instrument :
BNA_N
ClientSampleId :
A5113

Tgt Ion:178 Resp: 1114059

Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.3	18.5
176	18.3	15.1	22.7

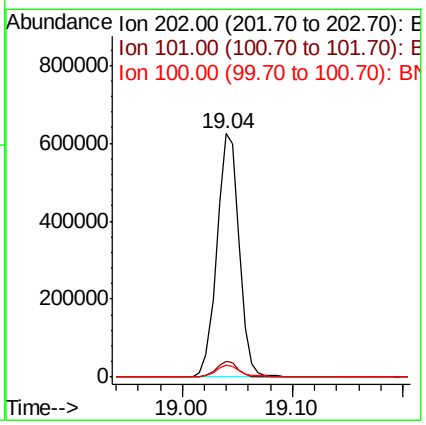


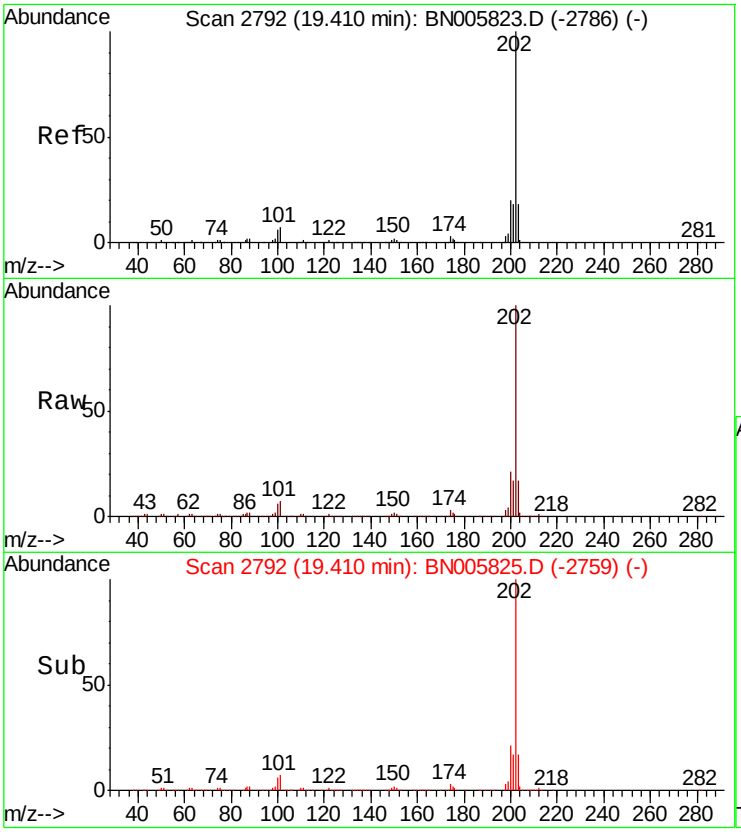


#76
Fluoranthene
Concen: 33.418 ng/ul
RT: 19.04 min Scan# 2729
Delta R.T. -0.01 min
Lab File: BN005825.D
Acq: 21 May 2019 14:30

Tgt Ion:202 Resp: 875286

Ion	Ratio	Lower	Upper
202	100		
101	6.5	8.6	12.8#
100	5.0	6.3	9.5#



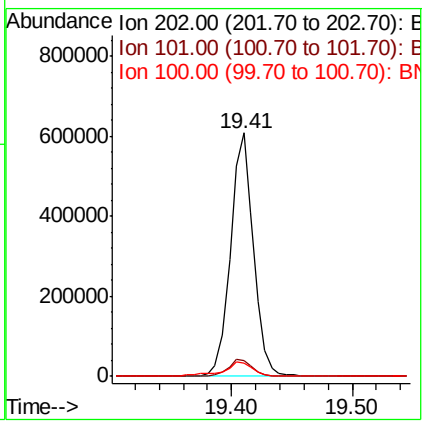


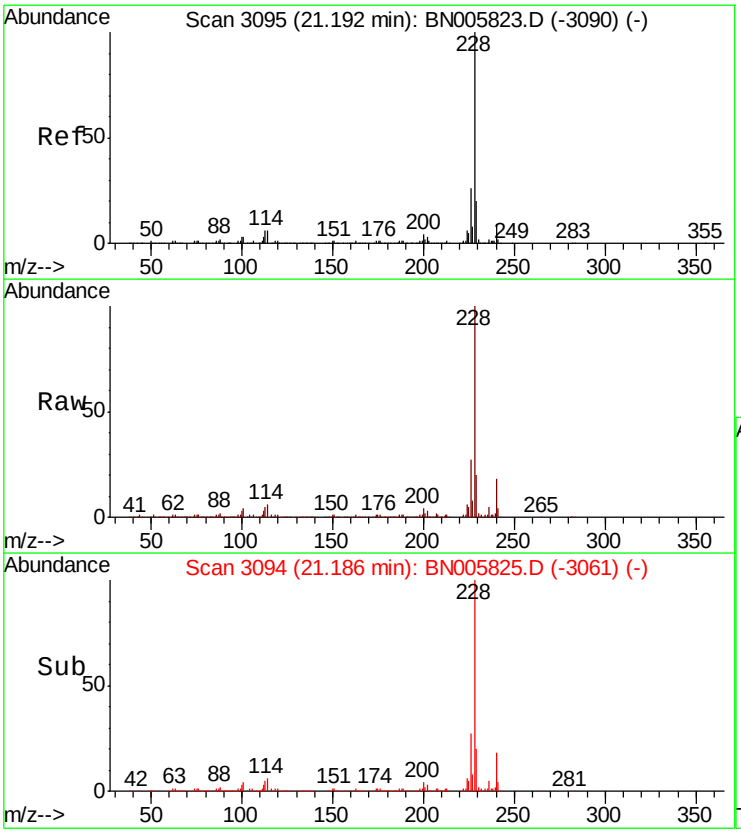
#79
Pyrene
Concen: 27.069 ng/ul
RT: 19.41 min Scan# 2792
Delta R.T. -0.01 min
Lab File: BN005825.D
Acq: 21 May 2019 14:30

Instrument :
BNA_N
ClientSampleId :
A5113

Tgt Ion:202 Resp: 801888

Ion	Ratio	Lower	Upper
202	100		
101	6.7	10.3	15.5#
100	5.5	7.9	11.9#

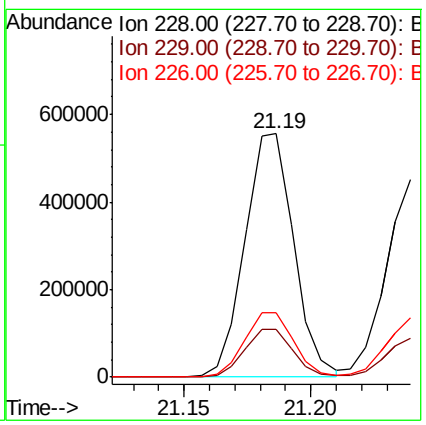


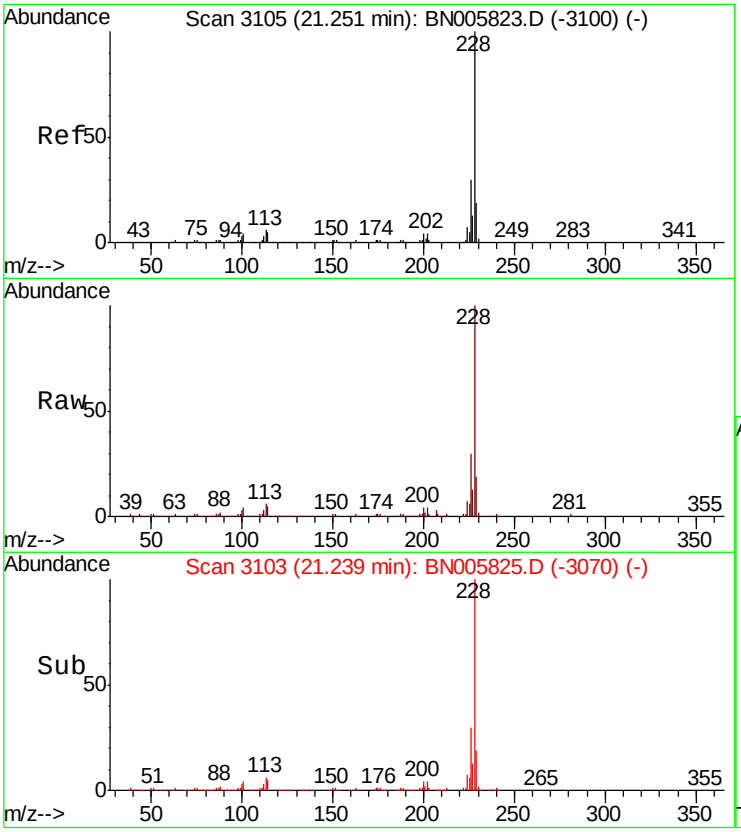


#82
Benzo(a)anthracene
Concen: 24.626 ng/ul
RT: 21.19 min Scan# 3094
Delta R.T. -0.01 min
Lab File: BN005825.D
Acq: 21 May 2019 14:30

Tgt Ion:228 Resp: 748412

Ion	Ratio	Lower	Upper
228	100		
229	19.7	15.8	23.6
226	26.5	21.4	32.2



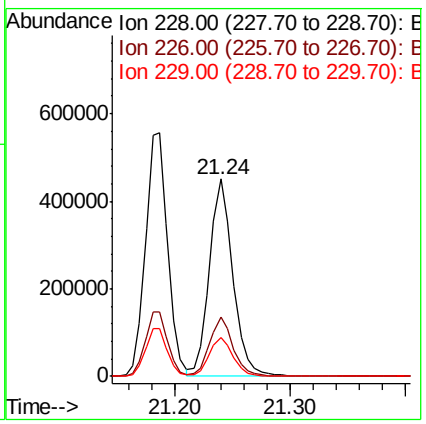


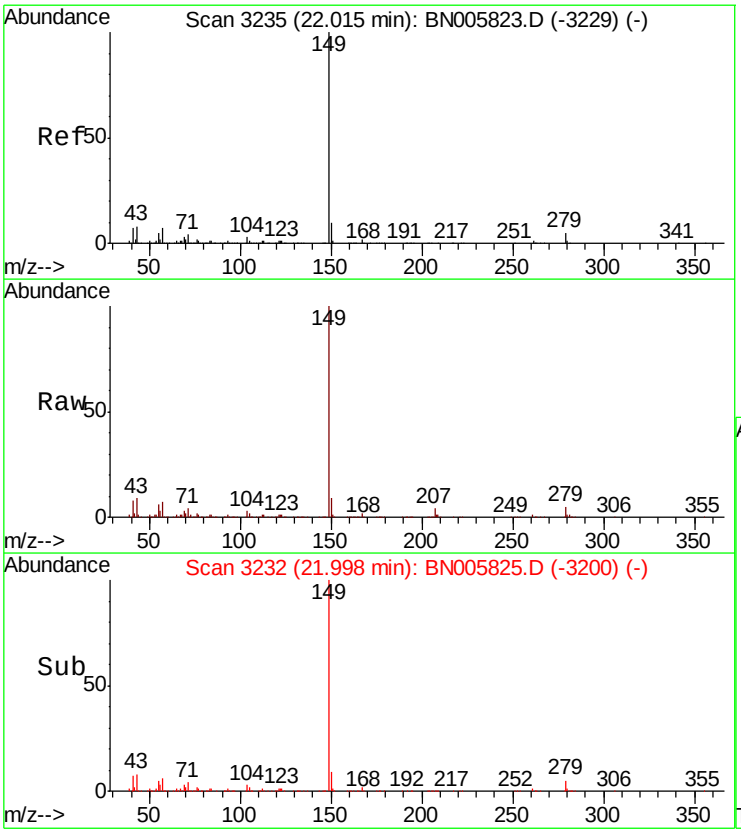
#84
Chrysene
Concen: 22.283 ng/ul
RT: 21.24 min Scan# 3103
Delta R.T. -0.01 min
Lab File: BN005825.D
Acq: 21 May 2019 14:30

Instrument :
BNA_N
ClientSampleId :
A5113

Tgt Ion:228 Resp: 638404

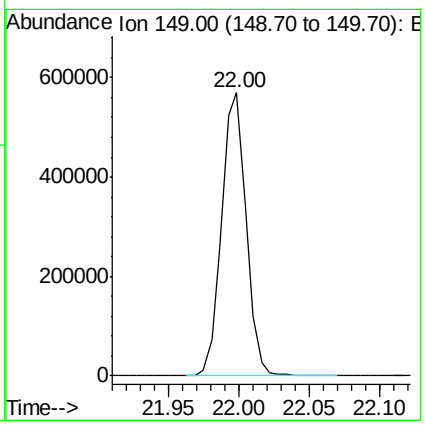
Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.0	36.0
229	19.4	15.4	23.0

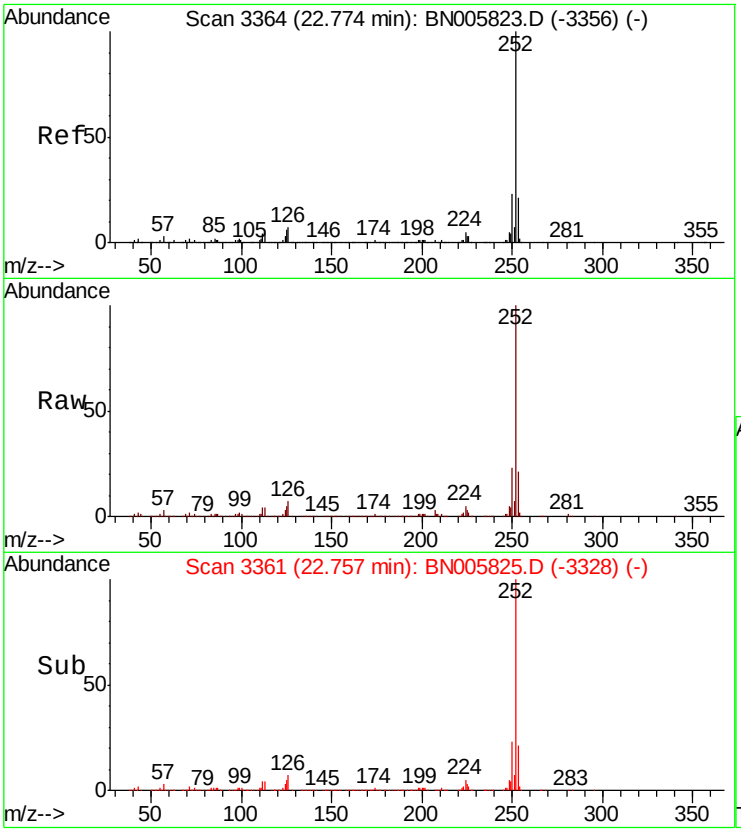




#86
Di-n-octyl phthalate
Concen: 22.549 ng/ul
RT: 22.00 min Scan# 3232
Delta R.T. -0.01 min
Lab File: BN005825.D
Acq: 21 May 2019 14:30

Tgt Ion:149 Resp: 682502



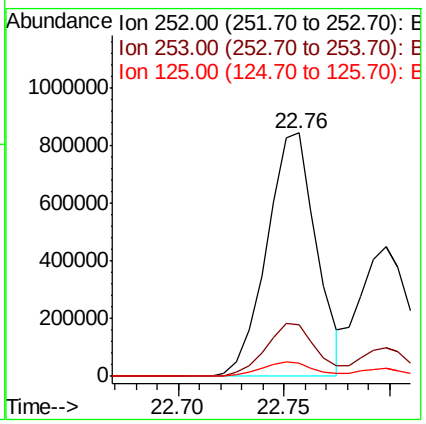


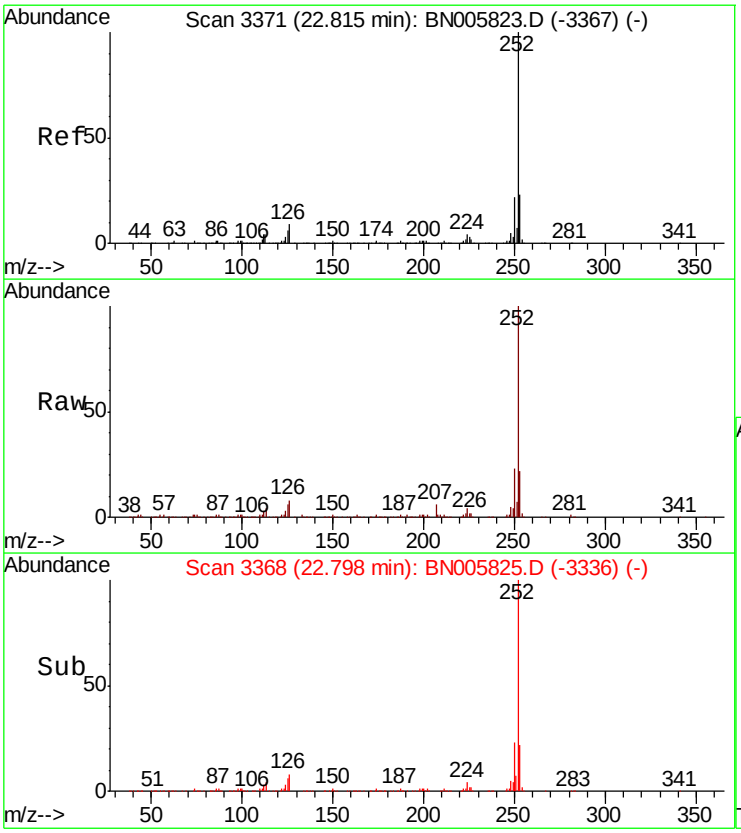
#87
Benzo(b)fluoranthene
Concen: 44.148 ng/ul
RT: 22.76 min Scan# 3361
Delta R.T. -0.01 min
Lab File: BN005825.D
Acq: 21 May 2019 14:30

Instrument :
BNA_N
ClientSampleId :
A5113

Tgt Ion:252 Resp: 1377768

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.7	26.5
125	5.4	8.4	12.6#

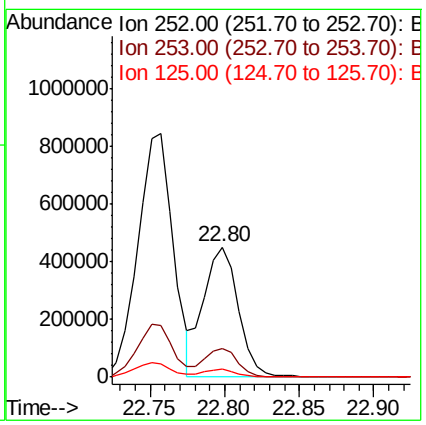


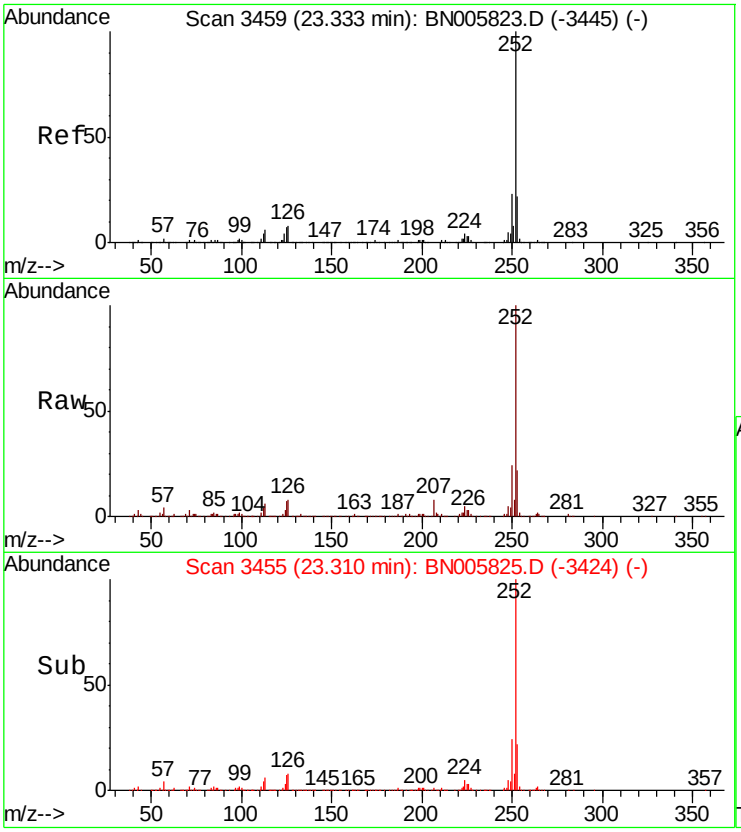


#88
Benzo(k)fluoranthene
Concen: 24.202 ng/ul
RT: 22.80 min Scan# 3368
Delta R.T. -0.01 min
Lab File: BN005825.D
Acq: 21 May 2019 14:30

Tgt Ion:252 Resp: 730832

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.4	26.0
125	5.9	7.5	11.3#



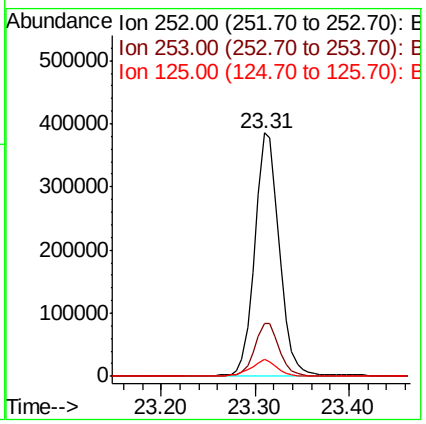


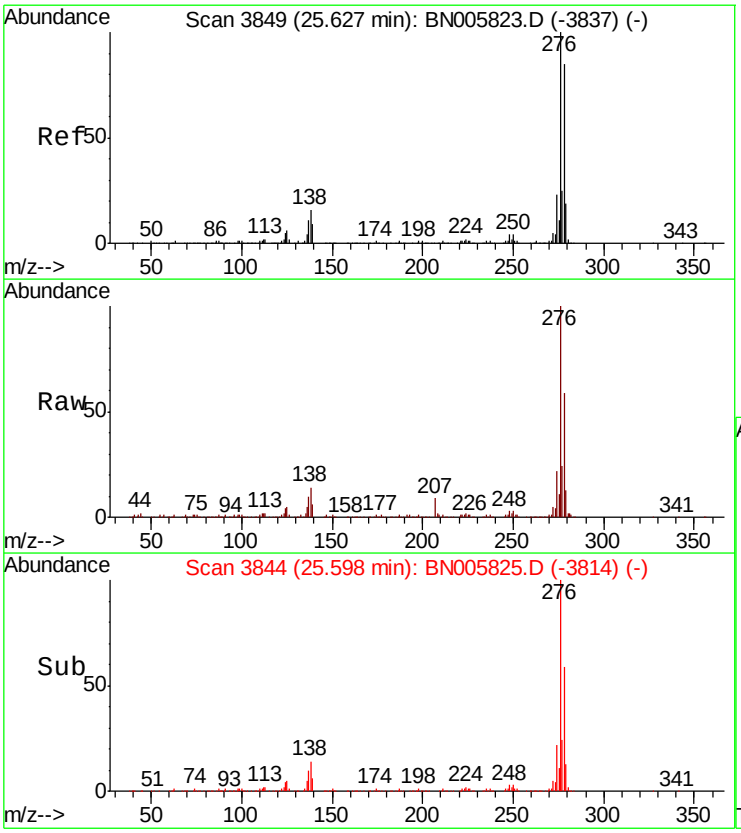
#90
Benzo(a)pyrene
Concen: 23.168 ng/ul
RT: 23.31 min Scan# 3455
Delta R.T. -0.02 min
Lab File: BN005825.D
Acq: 21 May 2019 14:30

Instrument :
BNA_N
ClientSampleId :
A5113

Tgt Ion:252 Resp: 700142

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.3	25.9
125	6.8	8.6	13.0#

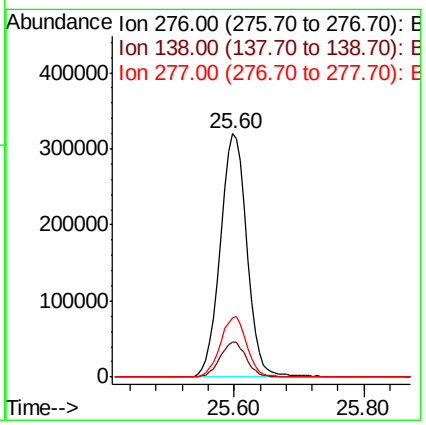


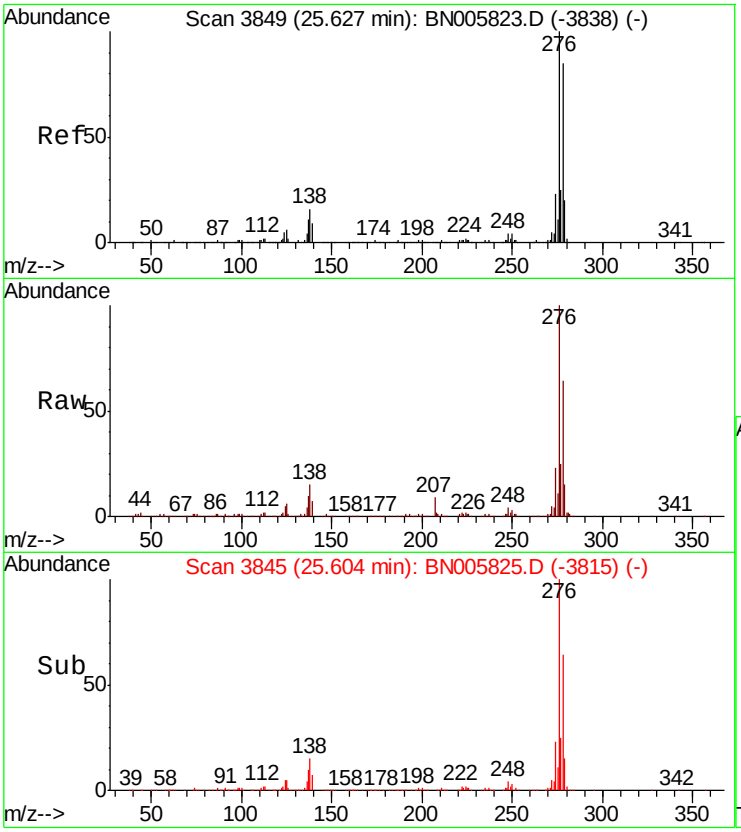


#91
Indeno(1,2,3-cd)pyrene
Concen: 24.605 ng/ul
RT: 25.60 min Scan# 3844
Delta R.T. -0.02 min
Lab File: BN005825.D
Acq: 21 May 2019 14:30

Tgt Ion:276 Resp: 909067

Ion	Ratio	Lower	Upper
276	100		
138	14.2	17.9	26.9#
277	24.4	19.7	29.5



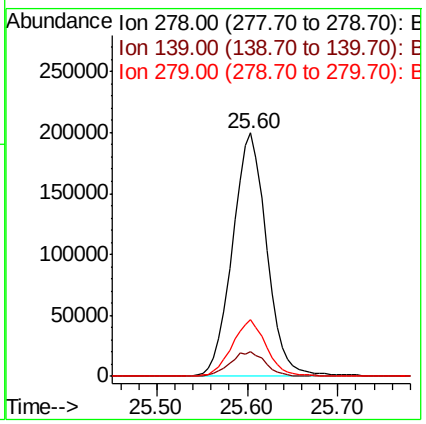


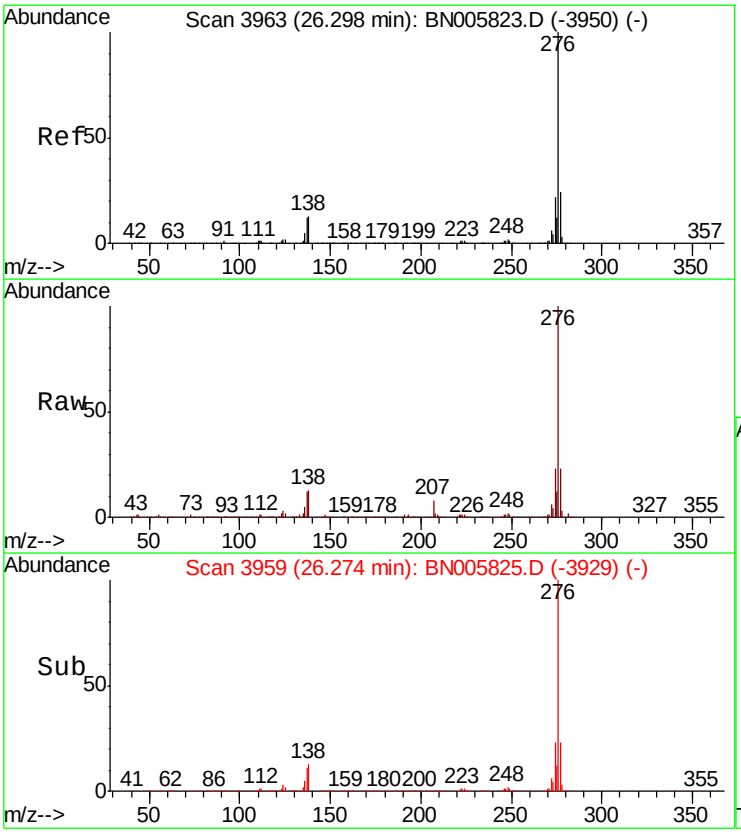
#92
Dibenzo(a,h)anthracene
Concen: 16.867 ng/ul
RT: 25.60 min Scan# 3845
Delta R.T. -0.02 min
Lab File: BN005825.D
Acq: 21 May 2019 14:30

Instrument :
BNA_N
ClientSampleId :
A5113

Tgt Ion:278 Resp: 524593

Ion	Ratio	Lower	Upper
278	100		
139	10.4	13.1	19.7#
279	23.5	19.4	29.0





#93
Benzo(g,h,i)perylene
Concen: 39.616 ng/ul
RT: 26.27 min Scan# 3959
Delta R.T. -0.02 min
Lab File: BN005825.D
Acq: 21 May 2019 14:30

Tgt Ion:276 Resp: 1223524

Ion	Ratio	Lower	Upper
276	100		
138	12.9	16.7	25.1#
277	23.3	18.2	27.2