Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN052419\
Data File : BN005899.D
Acq On : 24 May 2019 20:36
Operator : JU/SJ
Sample : K2928-19
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42F1

Quant Time: May 27 06:59:54 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 22 04:04:33 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	81844	20.00	ng/ul	-0.01
18) Naphthalene-d8	10.32	136	343866	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.19	164	234833	20.00	ng/ul	0.00
61) Phenanthrene-d10	16.96	188	607587	20.00	ng/ul	0.00
77) Chrysene-d12	21.19	240	676513	20.00	ng/ul	0.00
85) Perylene-d12	23.40	264	703203	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.17	96	9375	6.41	ng/uL	-0.01
5) Phenol-d5	6.76	99	218783	34.59	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.90	67	110370	33.44	ng/ul	0.00
9) 2-Chlorophenol-d4	7.10	132	177357	34.87	ng/ul	0.00
13) 4-Methylphenol-d8	8.28	113	173079	32.00	ng/ul	0.00
19) Nitrobenzene-d5	8.70	128	86973	34.84	ng/ul	0.00
22) 2-Nitrophenol-d4	9.42	143	98364	34.12	ng/ul	-0.01
26) 2,4-Dichlorophenol-d3	9.97	165	199652	36.29	ng/ul	0.00
29) 4-Chloroaniline-d4	10.48	131	217401	35.59	ng/ul	0.00
43) Dimethylphthalate-d6	13.62	166	703940	38.96	ng/ul	0.00
46) Acenaphthylene-d8	13.89	160	838797	38.20	ng/ul	0.00
51) 4-Nitrophenol-d4	14.47	143	83468	32.79	ng/ul	0.01
57) Fluorene-d10	15.20	176	622424	40.11	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.38	200	52461	14.36	ng/ul	0.01
70) Anthracene-d10	17.06	188	1047849	39.92	ng/ul	0.00
78) Pyrene-d10	19.37	212	1268116	38.04	ng/ul	0.00
89) Benzo(a)pyrene-d12	23.26	264	1303452	41.32	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.20	88	29562	19.209	ng/uL	93
4) Benzaldehyde	6.72	77	119520	26.104	ng/ul	99
6) Phenol	6.78	94	333825	51.775	ng/ul#	89
8) Bis(2-Chloroethyl)ether	6.99	93	175407	37.124	ng/ul	94
17) Hexachloroethane	8.60	117	113944	51.558	ng/ul#	80
20) Nitrobenzene	8.75	77	128483	22.268	ng/ul	98
23) 2-Nitrophenol	9.45	139	118327	39.433	ng/ul#	91
28) Naphthalene	10.36	128	704127	42.866	ng/ul	99
34) 2-Methylnaphthalene	11.99	142	749126	59.053	ng/ul	99
36) 1,2,4,5-Tetrachlorobenzene	12.37	216	176824	23.388	ng/ul	95
39) 2,4,5-Trichlorophenol	12.71	196	339745	69.105	ng/ul	97
40) 1,1'-Biphenyl	13.02	154	746373	43.709	ng/ul#	96
41) 2-Chloronaphthalene	13.06	162	574195	42.573	ng/ul	97
47) Acenaphthylene	13.92	152	840346	39.750	ng/ul	99
49) Acenaphthene	14.26	153	503194	35.129	ng/ul	98
52) 4-Nitrophenol	14.48	109	70809	29.786	ng/ul#	66
53) Dibenzofuran	14.60	168	381098	17.932	ng/ul	95
54) 2,4-Dinitrotoluene	14.62	165	148981	26.484	ng/ul	93
56) Diethylphthalate	15.04	149	395031	21.909	ng/ul	97
58) Fluorene	15.26	166	724657	41.920	ng/ul	99
66) Hexachlorobenzene	16.27	284	132901	18.620	ng/ul	93
69) Phenanthrene	17.00	178	1032370	34.278	ng/ul	99
71) Anthracene	17.09	178	1756195	57.269	ng/ul	100

Quantitation Report (LSC Reviewed)

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Data File : BN005899.D
Acq On : 24 May 2019 20:36
Operator : JU/SJ
Sample : K2928-19
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : A42F1

Quant Time: May 27 06:59:54 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN051819MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 22 04:04:33 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
76) Fluoranthene	19.03	202	1249546	33.558	ng/ul#	88
79) Pyrene	19.40	202	1134585	27.311	ng/ul#	86
82) Benzo(a)anthracene	21.17	228	1049609	24.627	ng/ul	100
84) Chrysene	21.23	228	872366	21.713	ng/ul	99
86) Di-n-octyl phthalate	21.98	149	849919	22.652	ng/ul	100
87) Benzo(b)fluoranthene	22.74	252	1798434	46.488	ng/ul#	95
88) Benzo(k)fluoranthene	22.79	252	918883	24.548	ng/ul#	97
90) Benzo(a)pyrene	23.30	252	984642	26.285	ng/ul#	96
91) Indeno(1,2,3-cd)pyrene	25.59	276	960695	20.976	ng/ul#	91
92) Dibenzo(a,h)anthracene	25.58	278	556560	14.436	ng/ul#	93
93) Benzo(g,h,i)perylene	26.26	276	1253731	32.748	ng/ul#	90

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

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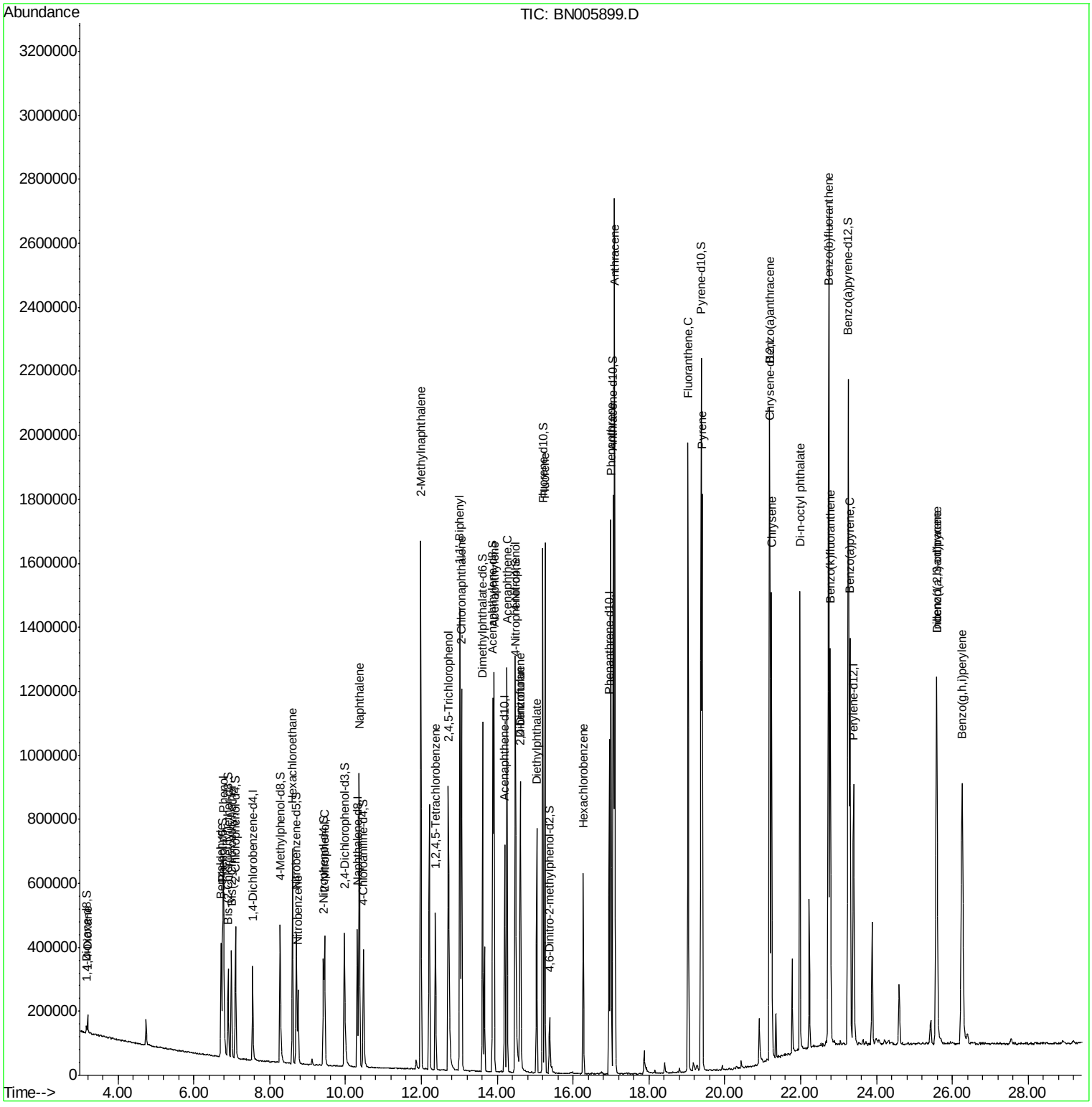
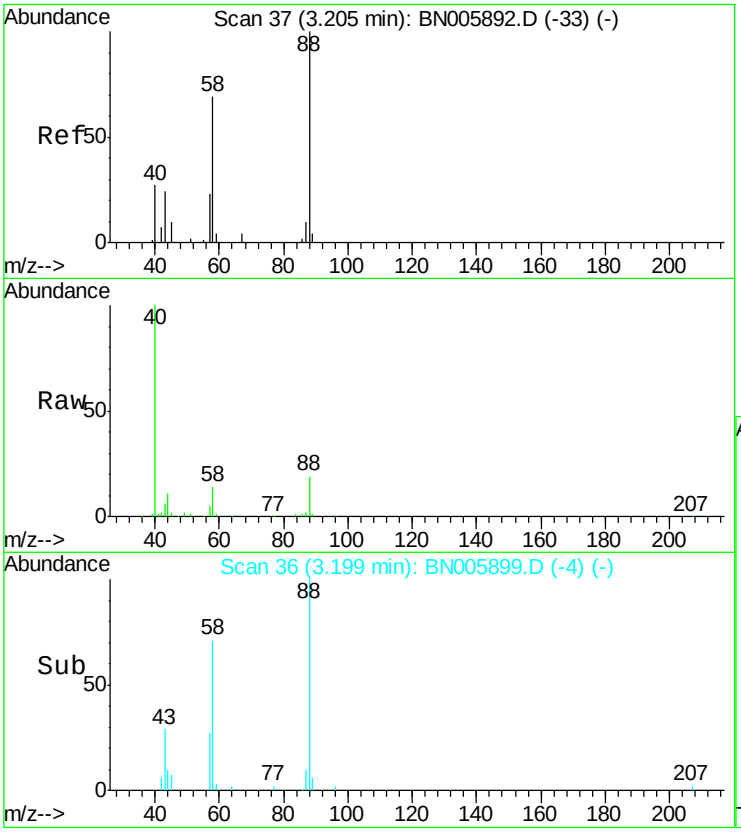
Quant Title : SVOA CALIBRATION
QLast Update : Wed May 22 04:04:33 2019
Response via : Initial Calibration



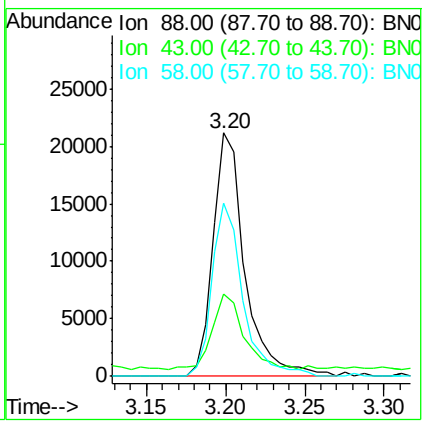


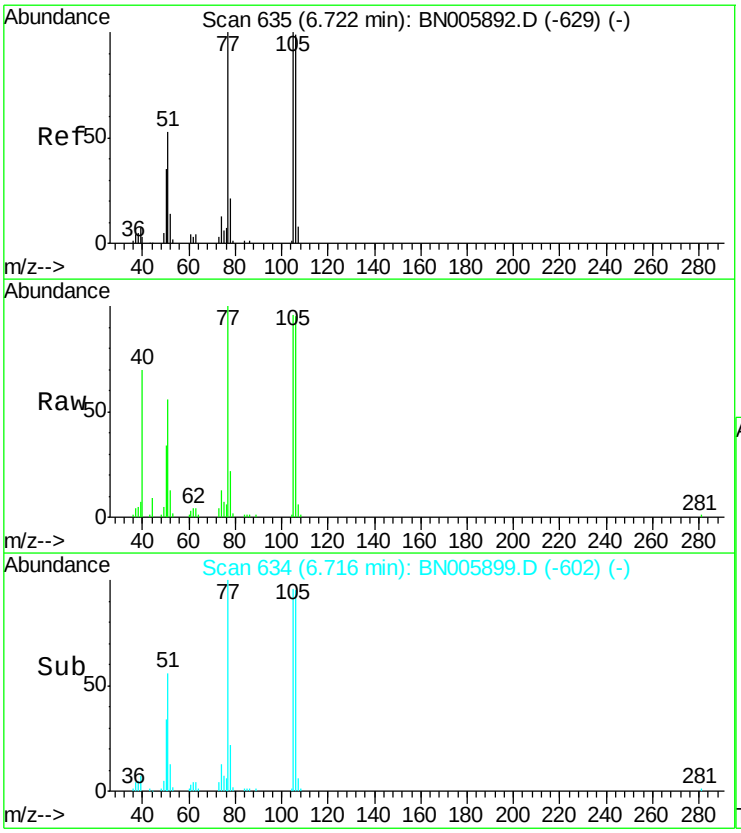
#2
1,4-Dioxane
Concen: 19.209 ng/uL
RT: 3.20 min Scan# 36
Delta R.T. -0.01 min
Lab File: BN005899.D
Acq: 24 May 2019 20:36

Instrument :
BNA_N
ClientSampleId :
A42F1

Tgt Ion: 88 Resp: 29562

Ion	Ratio	Lower	Upper
88	100		
43	33.9	25.3	37.9
58	71.4	62.3	93.5

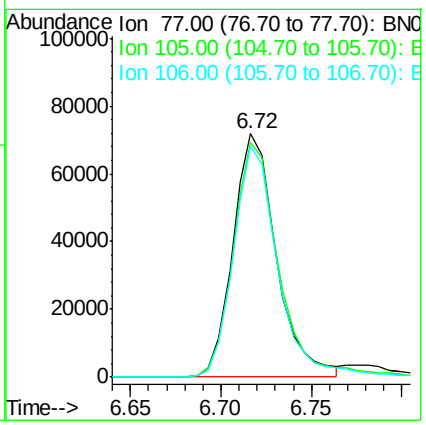


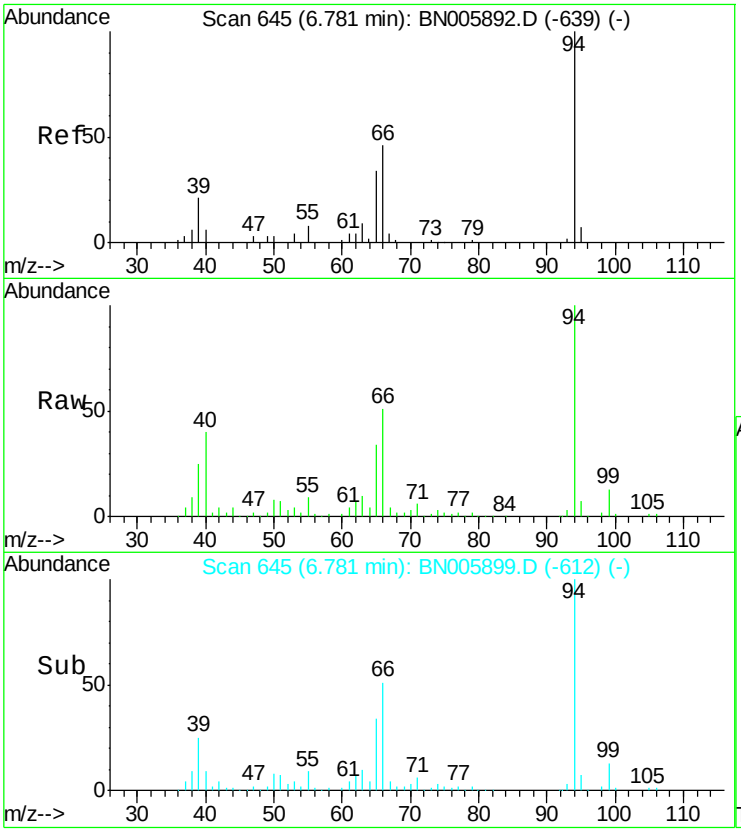


#4
Benzaldehyde
Concen: 26.104 ng/ul
RT: 6.72 min Scan# 634
Delta R.T. -0.01 min
Lab File: BN005899.D
Acq: 24 May 2019 20:36

Tgt Ion: 77 Resp: 119520

Ion	Ratio	Lower	Upper
77	100		
105	96.3	77.4	116.2
106	94.8	76.3	114.5



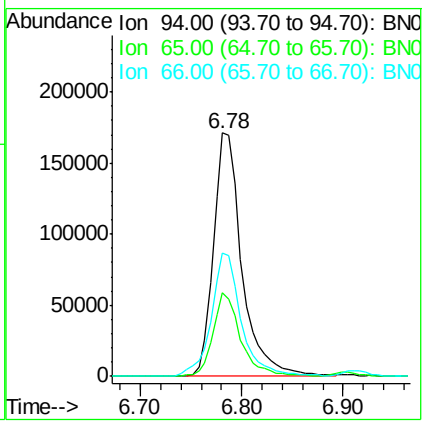


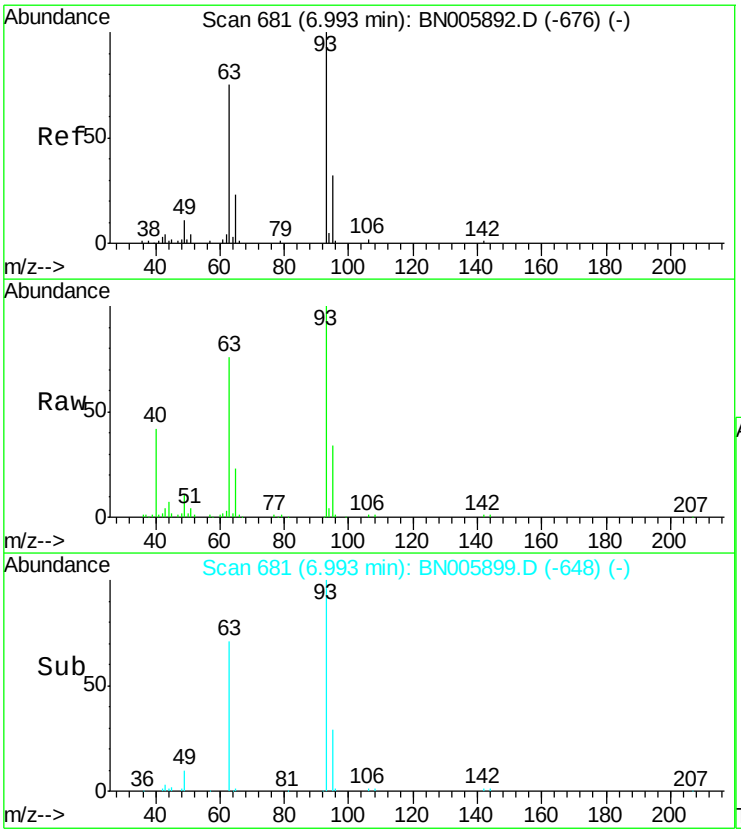
#6
Phenol
Concen: 51.775 ng/ul
RT: 6.78 min Scan# 645
Delta R.T. -0.01 min
Lab File: BN005899.D
Acq: 24 May 2019 20:36

Instrument :
BNA_N
ClientSampleId :
A42F1

Tgt Ion: 94 Resp: 333825

Ion	Ratio	Lower	Upper
94	100		
65	34.1	24.2	36.4
66	50.7	33.8	50.6#

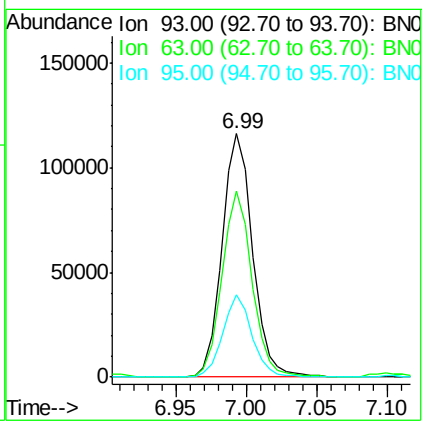


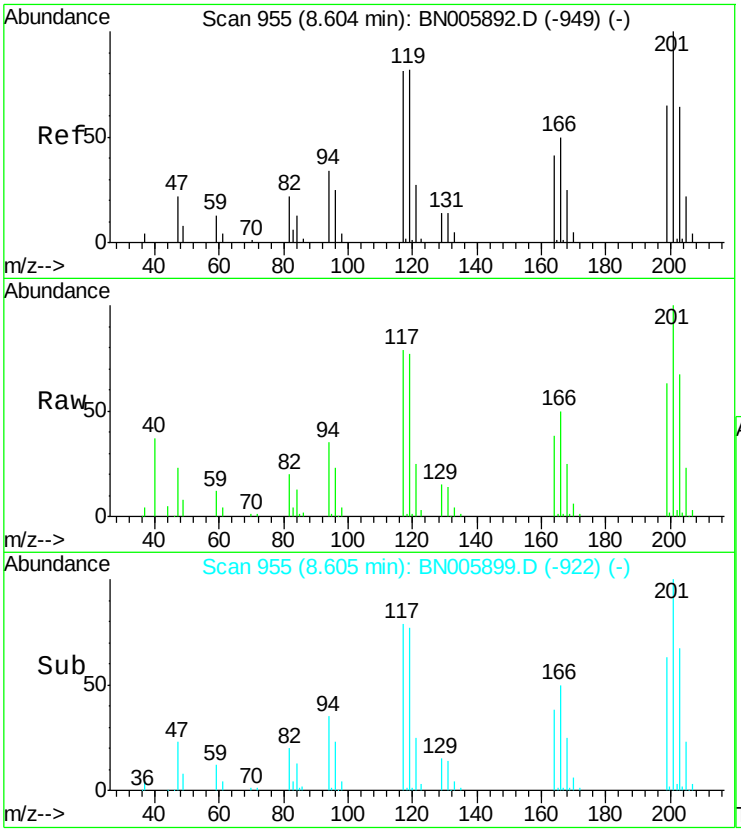


#8
Bis(2-Chloroethyl)ether
Concen: 37.124 ng/ul
RT: 6.99 min Scan# 681
Delta R.T. -0.01 min
Lab File: BN005899.D
Acq: 24 May 2019 20:36

Tgt Ion: 93 Resp: 175407

Ion	Ratio	Lower	Upper
93	100		
63	76.1	67.1	100.7
95	33.9	26.9	40.3



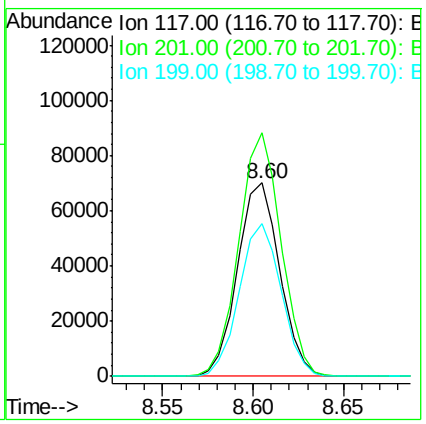


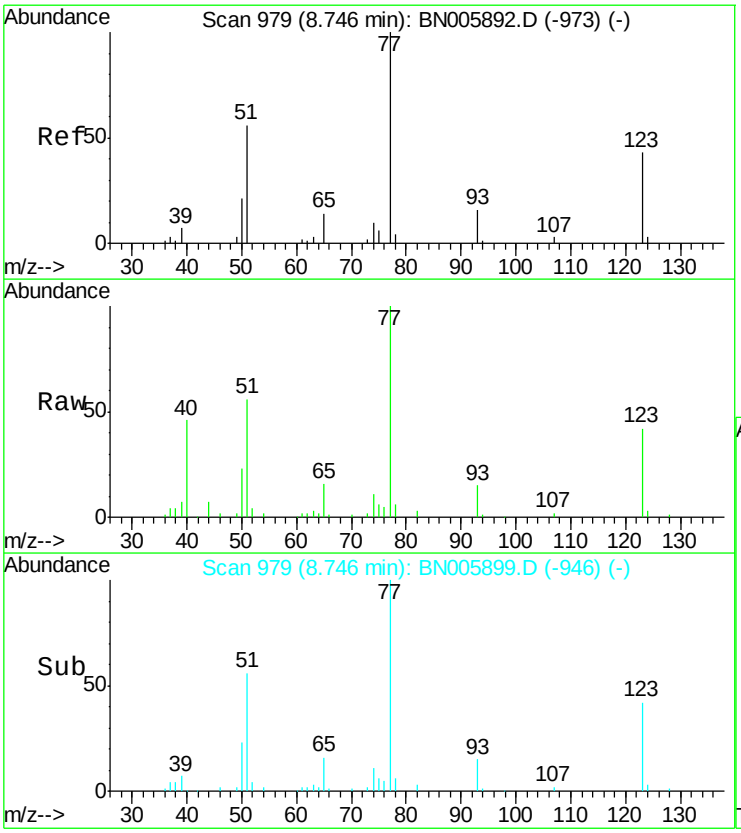
#17
Hexachloroethane
Concen: 51.558 ng/ul
RT: 8.60 min Scan# 955
Delta R.T. -0.01 min
Lab File: BN005899.D
Acq: 24 May 2019 20:36

Instrument :
BNA_N
ClientSampleId :
A42F1

Tgt Ion:117 Resp: 113944

Ion	Ratio	Lower	Upper
117	100		
201	126.1	84.1	126.1
199	79.3	51.2	76.8#

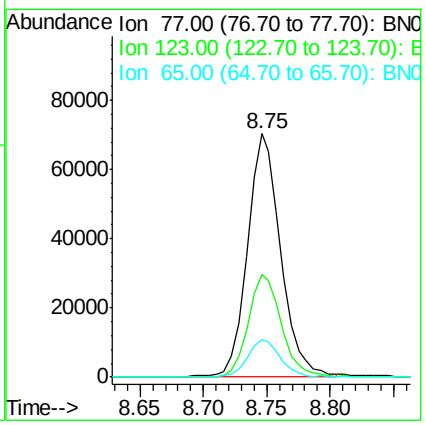


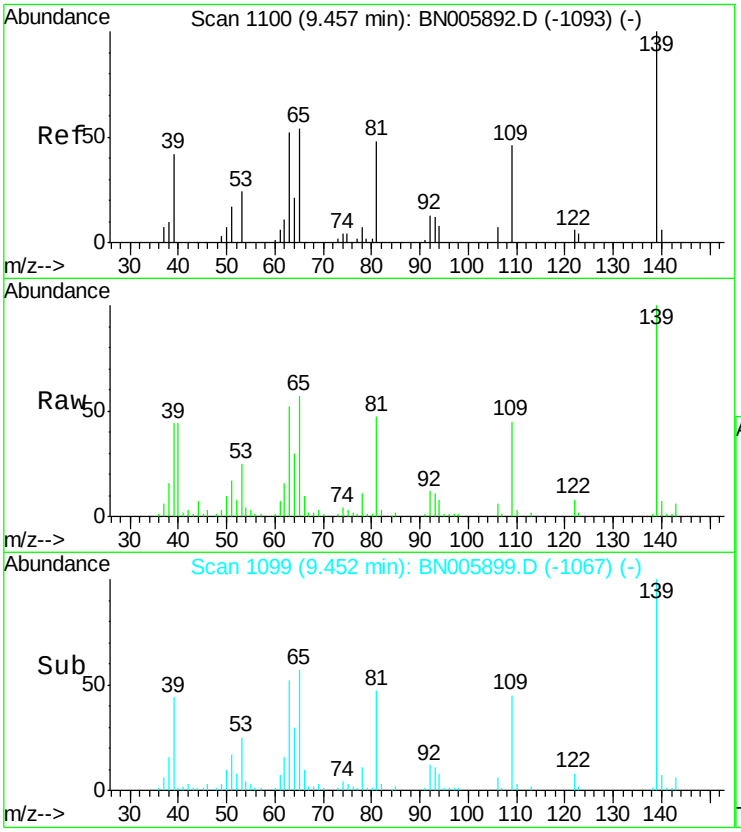


#20
Nitrobenzene
Concen: 22.268 ng/ul
RT: 8.75 min Scan# 979
Delta R.T. -0.01 min
Lab File: BN005899.D
Acq: 24 May 2019 20:36

Tgt Ion: 77 Resp: 128483

Ion	Ratio	Lower	Upper
77	100		
123	42.2	32.6	49.0
65	15.7	11.6	17.4



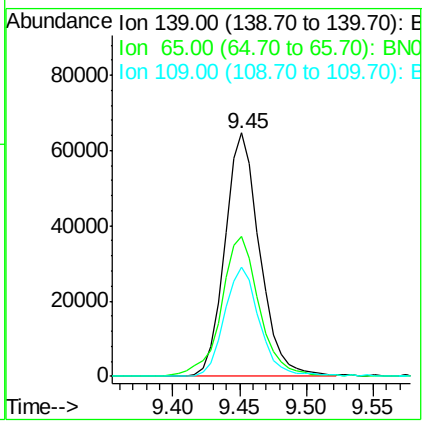


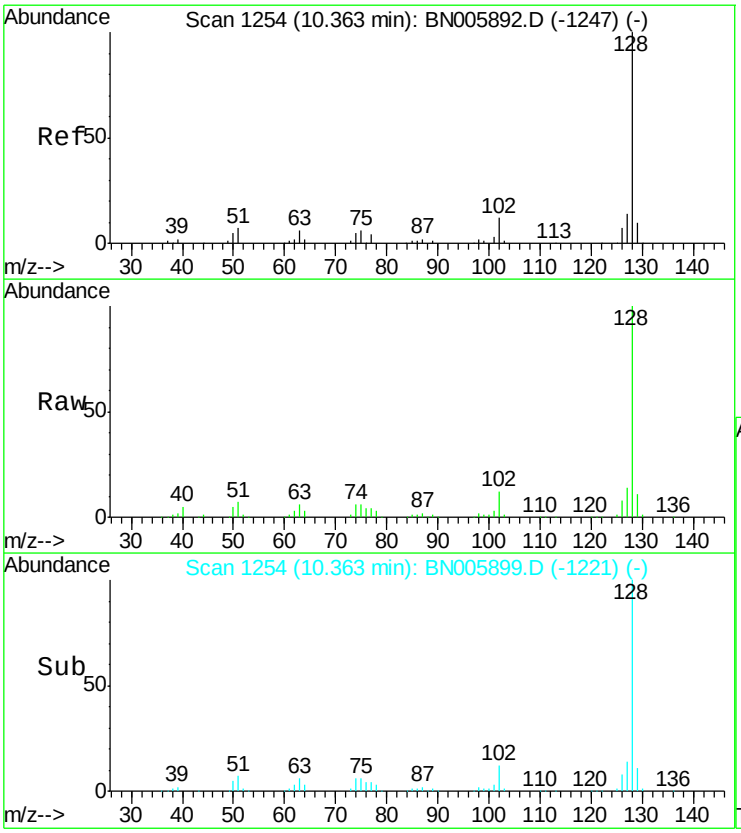
#23
2-Nitrophenol
Concen: 39.433 ng/ul
RT: 9.45 min Scan# 1099
Delta R.T. -0.01 min
Lab File: BN005899.D
Acq: 24 May 2019 20:36

Instrument :
BNA_N
ClientSampleId :
A42F1

Tgt Ion:139 Resp: 118327

Ion	Ratio	Lower	Upper
139	100		
65	57.4	44.2	66.4
109	44.8	26.8	40.2#

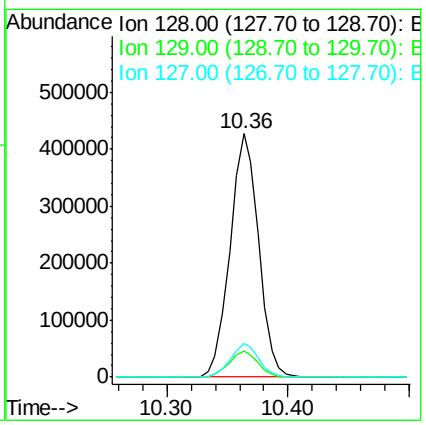


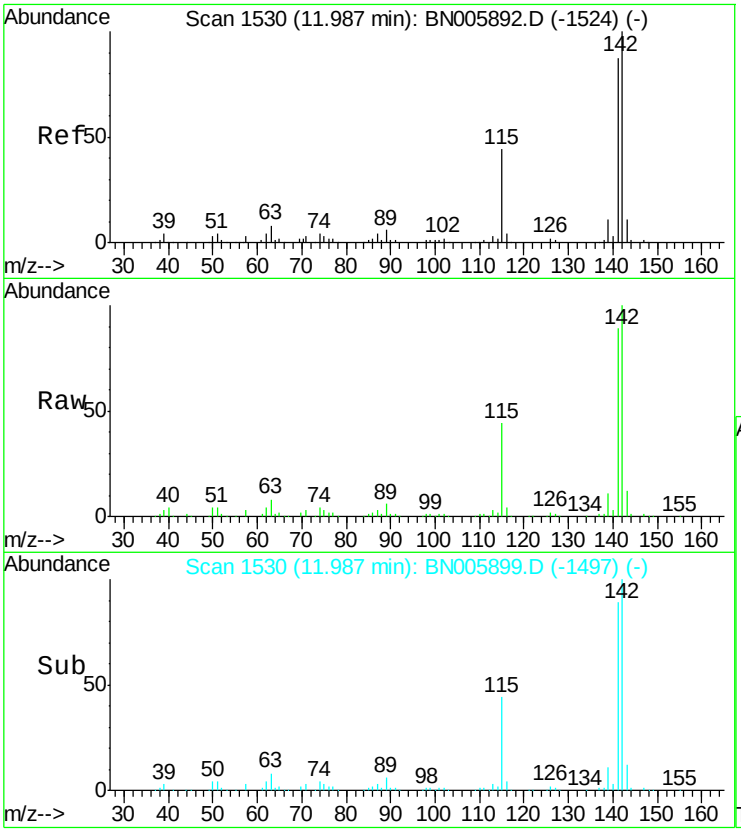


#28
Naphthalene
Concen: 42.866 ng/ul
RT: 10.36 min Scan# 1254
Delta R.T. -0.01 min
Lab File: BN005899.D
Acq: 24 May 2019 20:36

Tgt Ion:128 Resp: 704127

Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.2	13.8
127	13.6	10.7	16.1



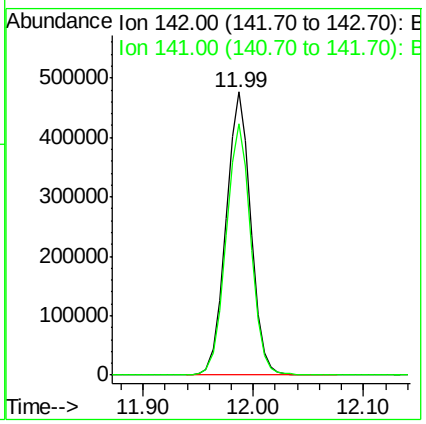


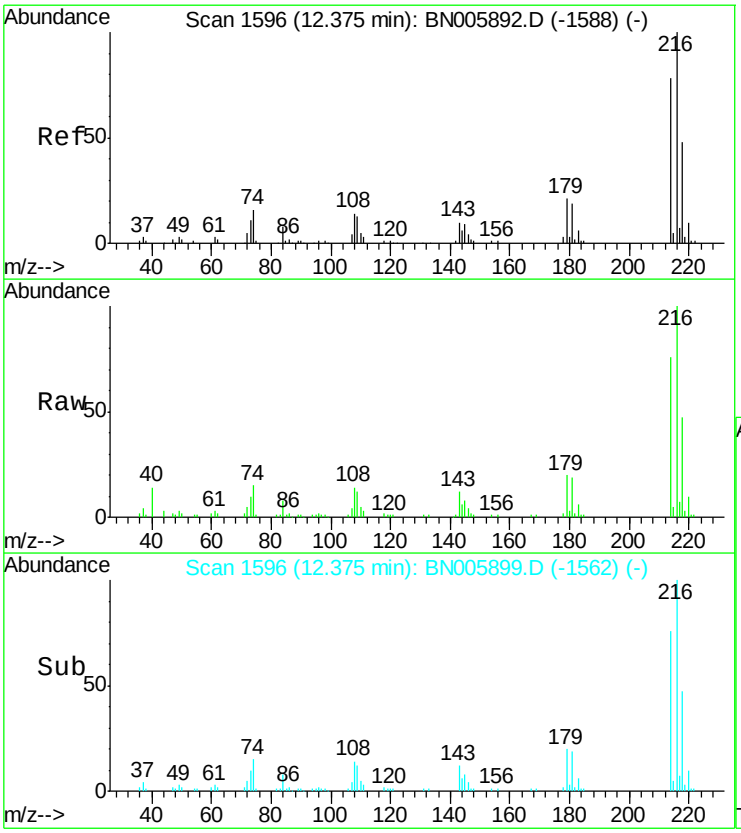
#34
2-Methylnaphthalene
Concen: 59.053 ng/ul
RT: 11.99 min Scan# 1530
Delta R.T. -0.01 min
Lab File: BN005899.D
Acq: 24 May 2019 20:36

Instrument :
BNA_N
ClientSampleId :
A42F1

Tgt Ion:142 Resp: 749126

Ion	Ratio	Lower	Upper
142	100		
141	88.9	72.0	108.0

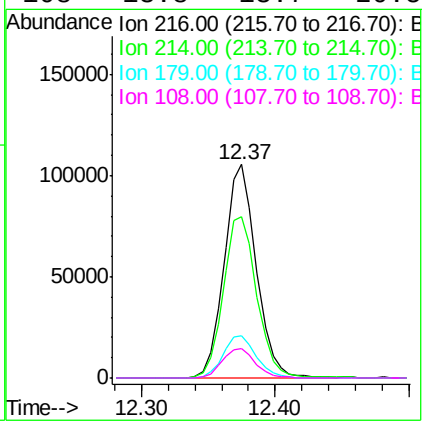


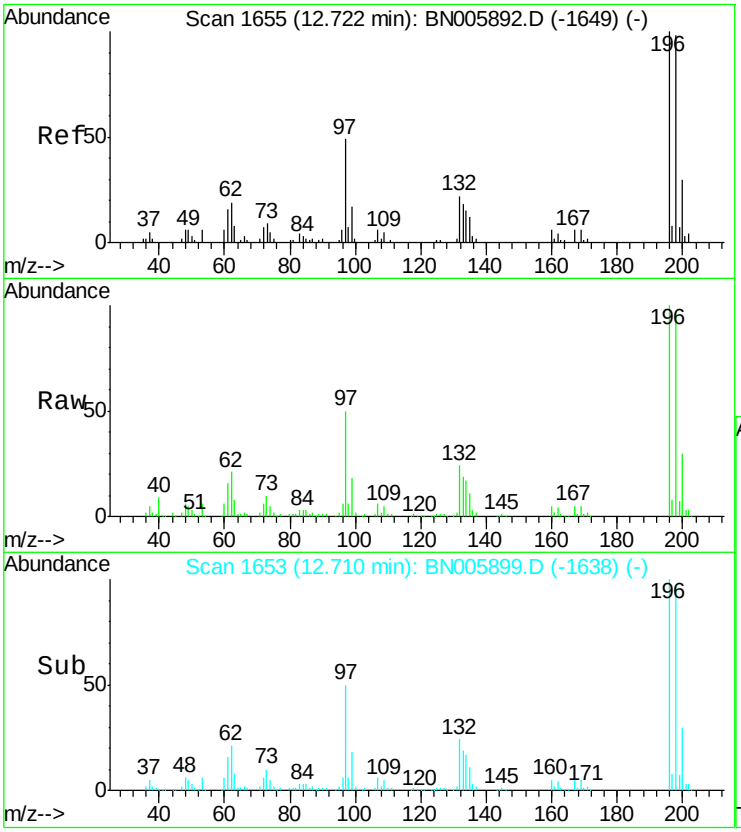


#36
1,2,4,5-Tetrachlorobenzene
Concen: 23.388 ng/ul
RT: 12.37 min Scan# 1596
Delta R.T. -0.00 min
Lab File: BN005899.D
Acq: 24 May 2019 20:36

Tgt Ion:216 Resp: 176824

Ion	Ratio	Lower	Upper
216	100		
214	75.8	64.1	96.1
179	19.9	17.4	26.0
108	13.8	13.7	20.5



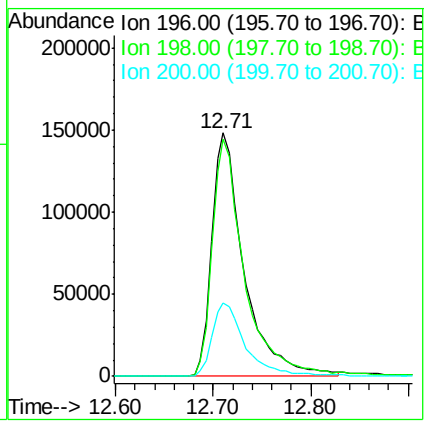


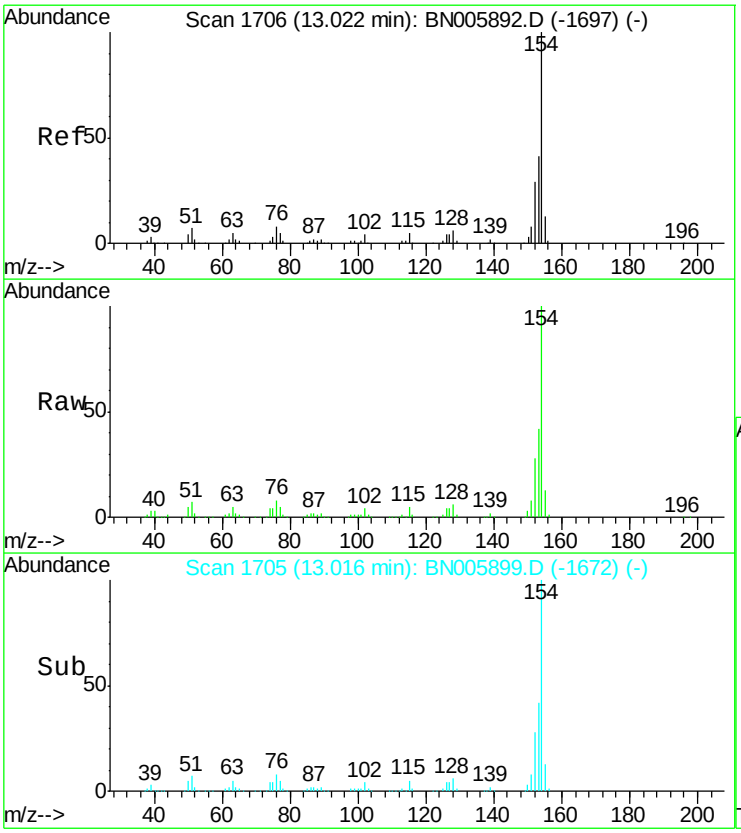
#39
2,4,5-Trichlorophenol
Concen: 69.105 ng/ul
RT: 12.71 min Scan# 1653
Delta R.T. -0.01 min
Lab File: BN005899.D
Acq: 24 May 2019 20:36

Instrument :
BNA_N
ClientSampleId :
A42F1

Tgt Ion:196 Resp: 339745

Ion	Ratio	Lower	Upper
196	100		
198	97.2	75.0	112.4
200	30.2	24.2	36.4

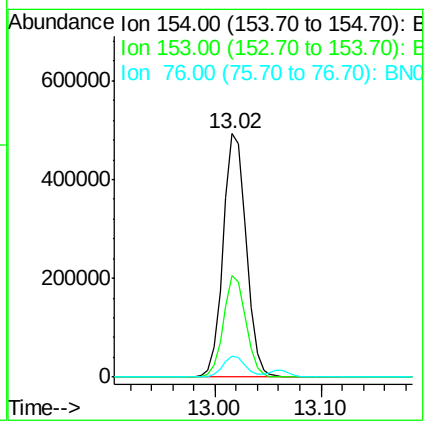


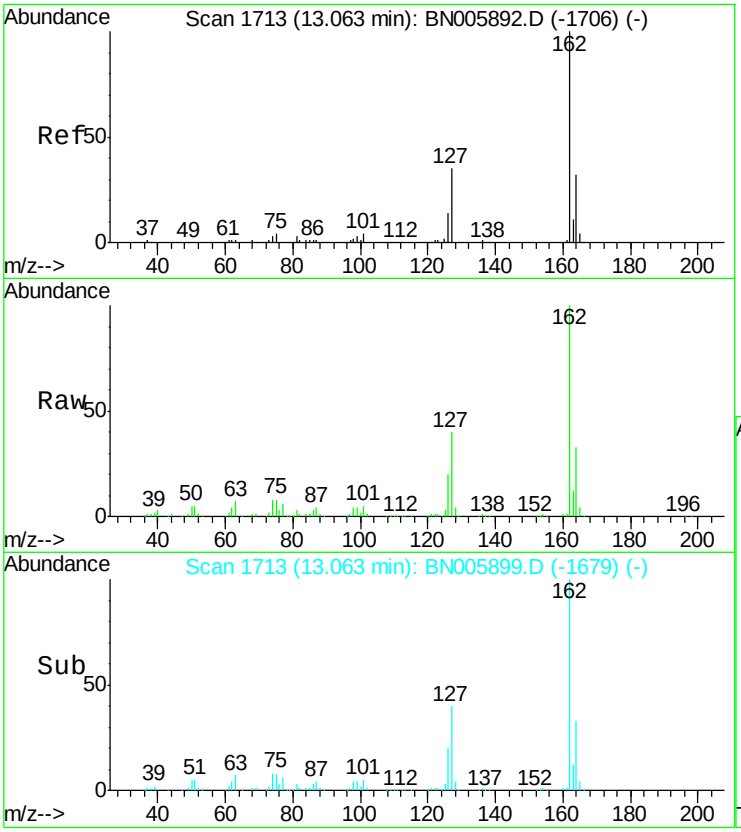


#40
1,1'-Biphenyl
Concen: 43.709 ng/ul
RT: 13.02 min Scan# 1705
Delta R.T. -0.01 min
Lab File: BN005899.D
Acq: 24 May 2019 20:36

Tgt Ion:154 Resp: 746373

Ion	Ratio	Lower	Upper
154	100		
153	41.7	32.6	49.0
76	8.4	10.4	15.6#



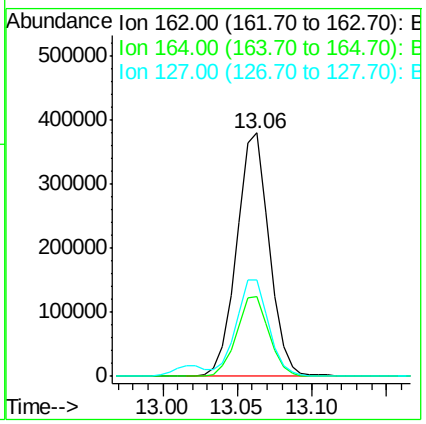


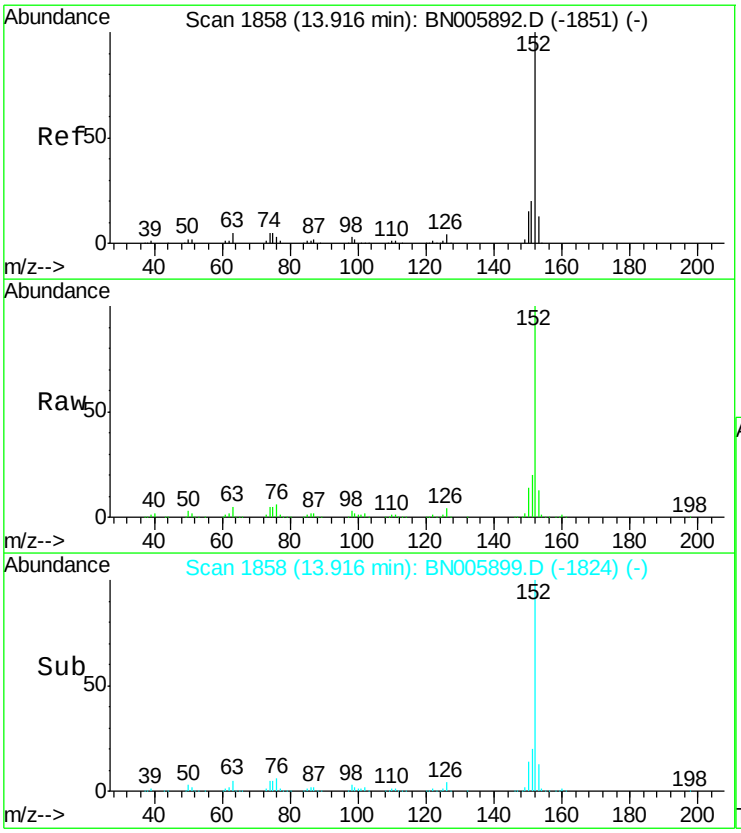
#41
2-Chloronaphthalene
Concen: 42.573 ng/ul
RT: 13.06 min Scan# 1713
Delta R.T. -0.00 min
Lab File: BN005899.D
Acq: 24 May 2019 20:36

Instrument :
BNA_N
ClientSampleId :
A42F1

Tgt Ion:162 Resp: 574195

Ion	Ratio	Lower	Upper
162	100		
164	32.6	26.8	40.2
127	39.7	33.5	50.3

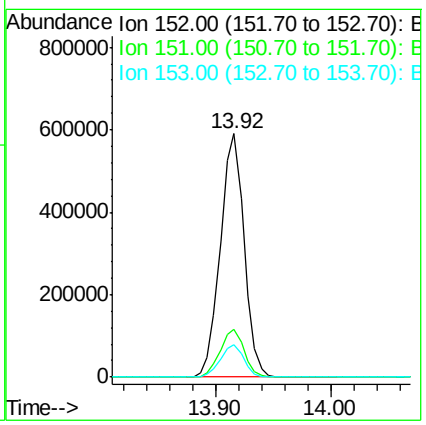


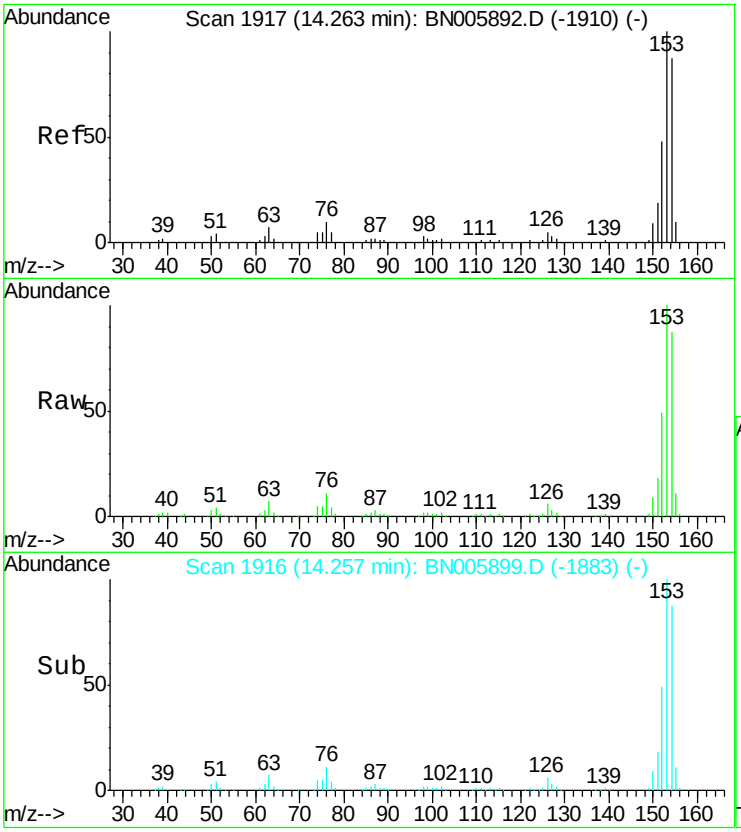


#47
Acenaphthylene
Concen: 39.750 ng/ul
RT: 13.92 min Scan# 1858
Delta R.T. -0.00 min
Lab File: BN005899.D
Acq: 24 May 2019 20:36

Tgt Ion:152 Resp: 840346

Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.8	23.8
153	13.1	9.8	14.8



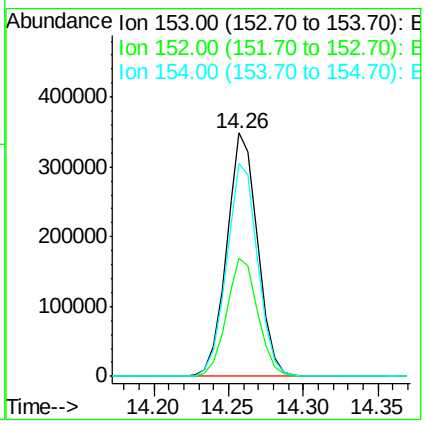


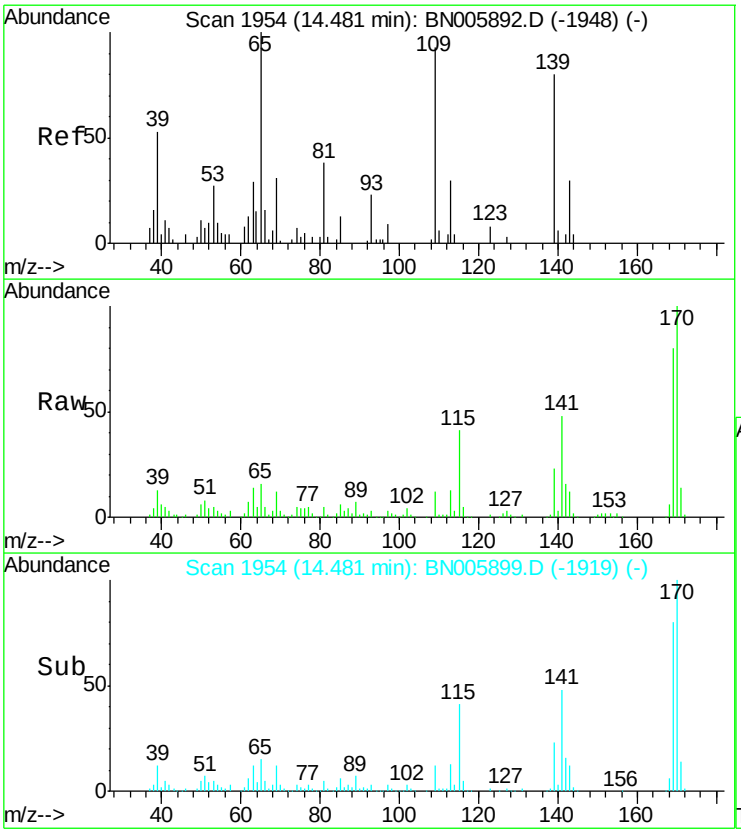
#49
Acenaphthene
Concen: 35.129 ng/ul
RT: 14.26 min Scan# 1916
Delta R.T. -0.01 min
Lab File: BN005899.D
Acq: 24 May 2019 20:36

Instrument :
BNA_N
ClientSampleId :
A42F1

Tgt Ion:153 Resp: 503194

Ion	Ratio	Lower	Upper
153	100		
152	48.7	37.4	56.0
154	87.5	71.2	106.8

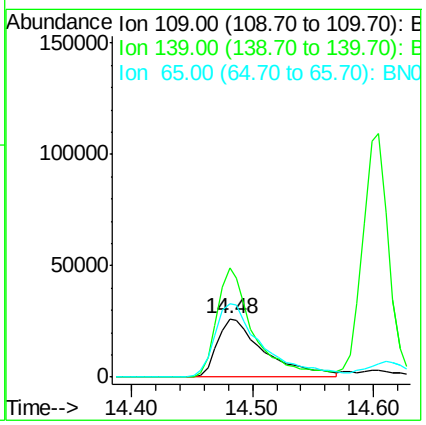


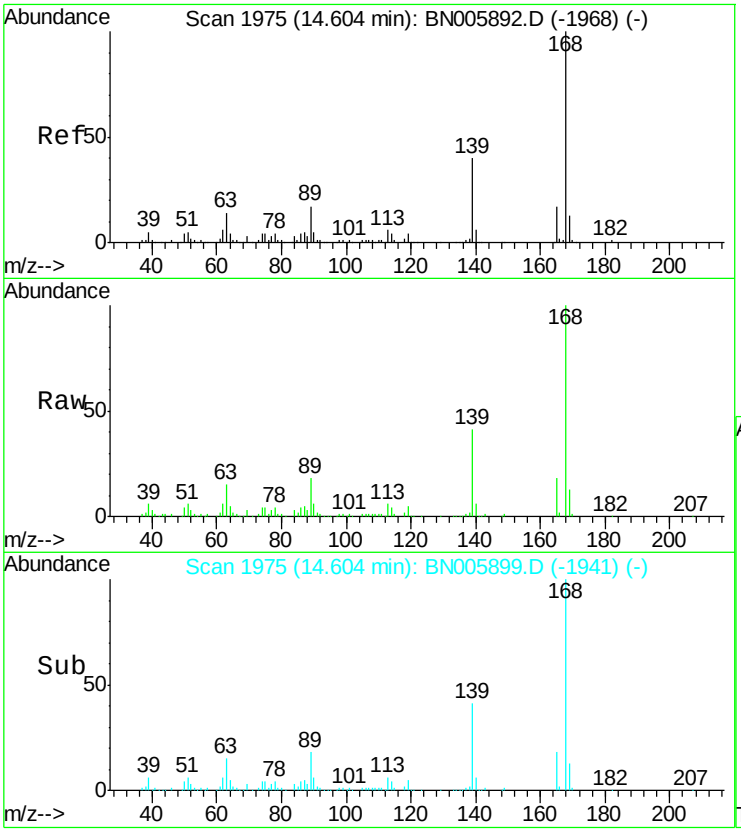


#52
4-Nitrophenol
Concen: 29.786 ng/ul
RT: 14.48 min Scan# 1954
Delta R.T. 0.01 min
Lab File: BN005899.D
Acq: 24 May 2019 20:36

Tgt Ion:109 Resp: 70809

Ion	Ratio	Lower	Upper
109	100		
139	186.8	92.3	138.5#
65	126.9	97.5	146.3



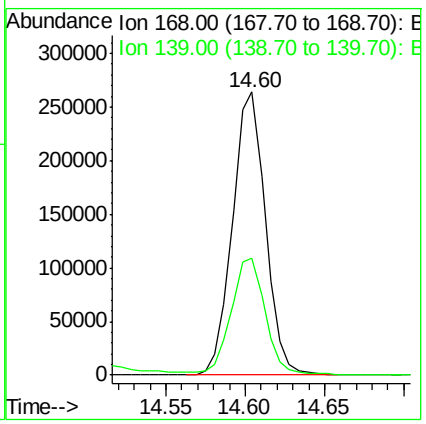


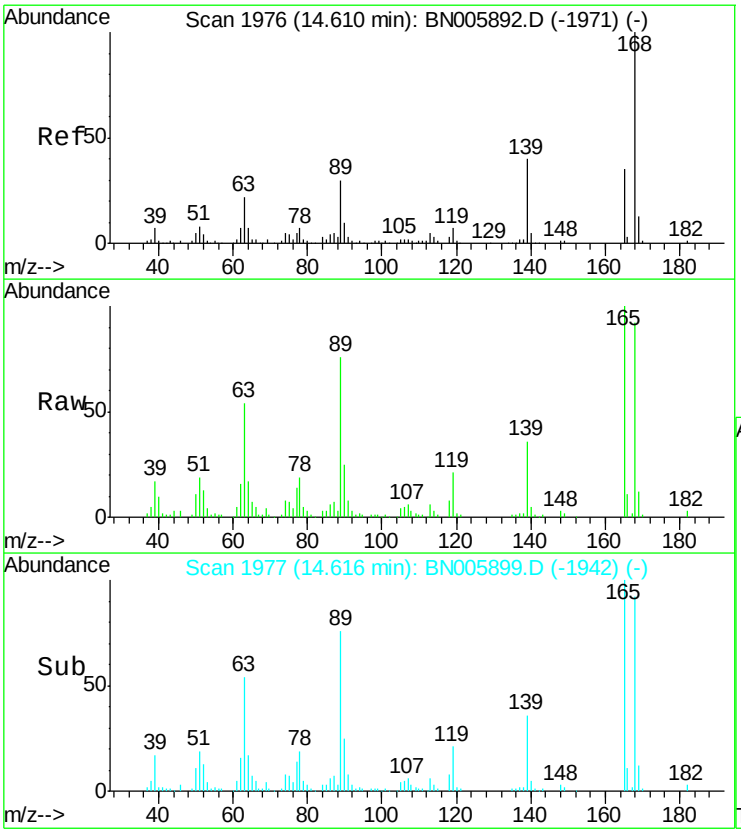
#53
Dibenzofuran
Concen: 17.932 ng/ul
RT: 14.60 min Scan# 1975
Delta R.T. -0.00 min
Lab File: BN005899.D
Acq: 24 May 2019 20:36

Instrument :
BNA_N
ClientSampleId :
A42F1

Tgt Ion:168 Resp: 381098

Ion	Ratio	Lower	Upper
168	100		
139	41.4	30.9	46.3

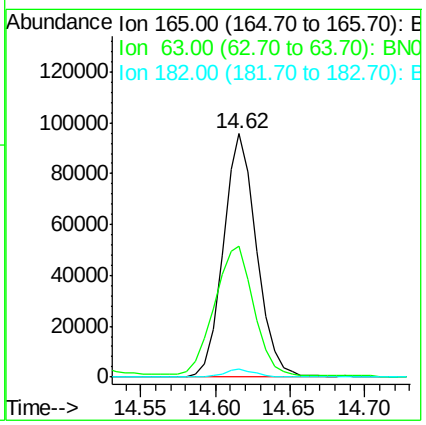


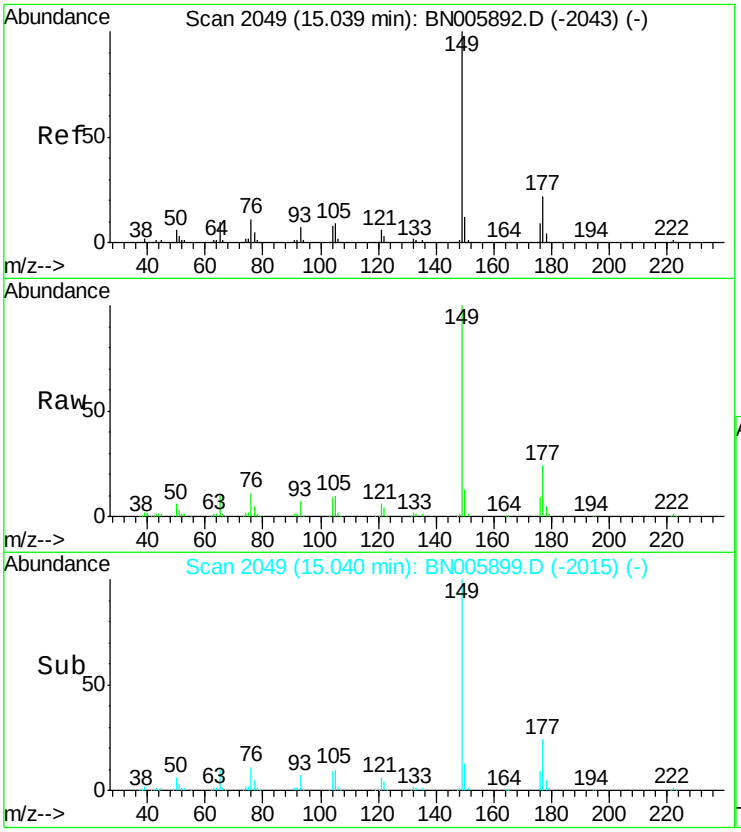


#54
2,4-Dinitrotoluene
Concen: 26.484 ng/ul
RT: 14.62 min Scan# 1977
Delta R.T. 0.01 min
Lab File: BN005899.D
Acq: 24 May 2019 20:36

Tgt Ion:165 Resp: 148981

Ion	Ratio	Lower	Upper
165	100		
63	53.8	38.9	58.3
182	3.2	2.6	3.8



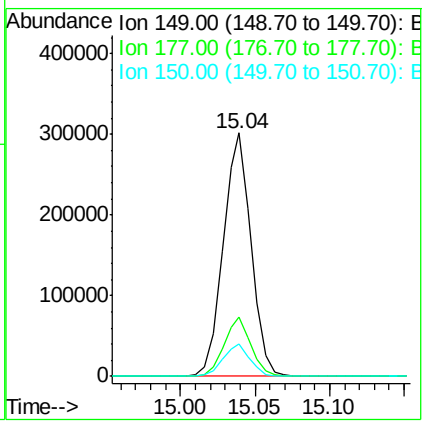


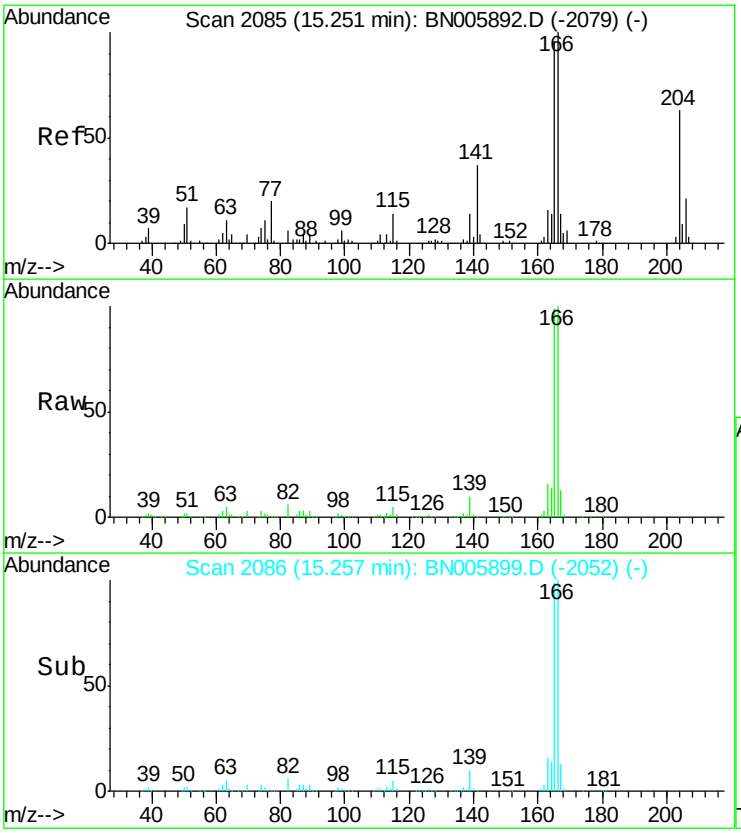
#56
Diethylphthalate
Concen: 21.909 ng/ul
RT: 15.04 min Scan# 2049
Delta R.T. -0.00 min
Lab File: BN005899.D
Acq: 24 May 2019 20:36

Instrument :
BNA_N
ClientSampleId :
A42F1

Tgt Ion:149 Resp: 395031

Ion	Ratio	Lower	Upper
149	100		
177	24.2	17.7	26.5
150	13.3	10.0	15.0

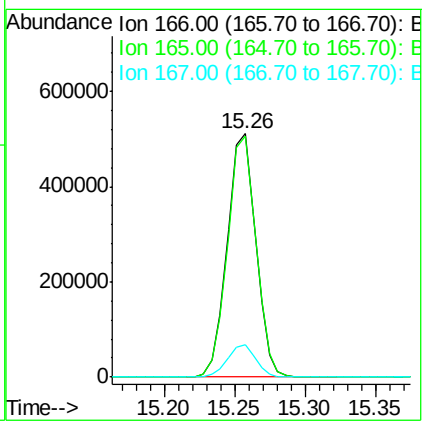


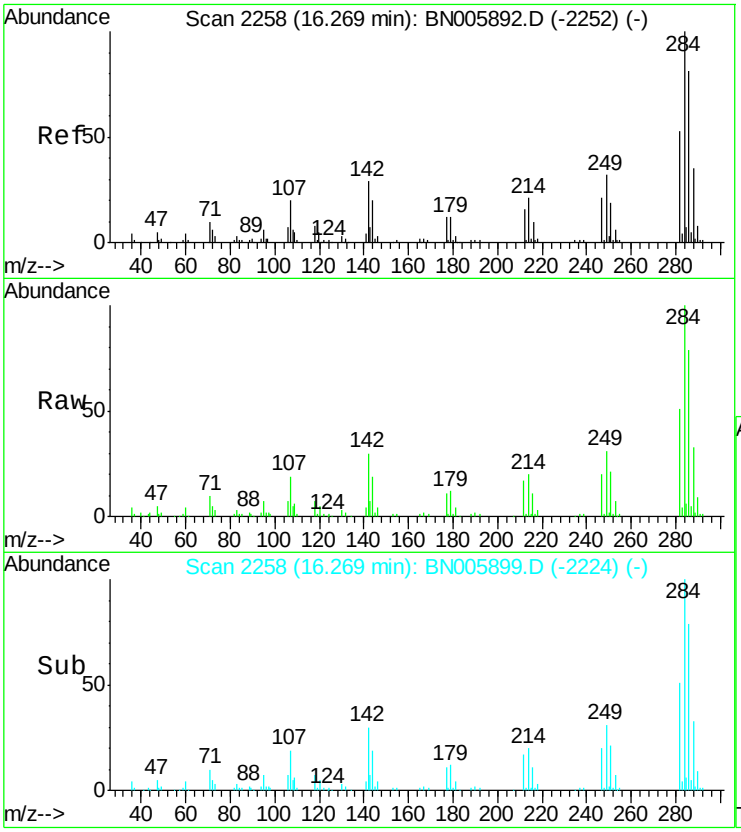


#58
Fluorene
Concen: 41.920 ng/ul
RT: 15.26 min Scan# 2086
Delta R.T. -0.00 min
Lab File: BN005899.D
Acq: 24 May 2019 20:36

Tgt Ion:166 Resp: 724657

Ion	Ratio	Lower	Upper
166	100		
165	99.2	80.0	120.0
167	13.2	10.7	16.1



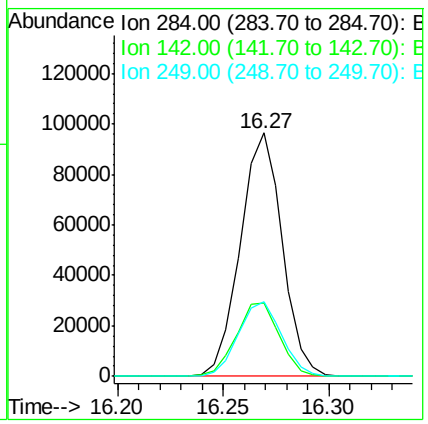


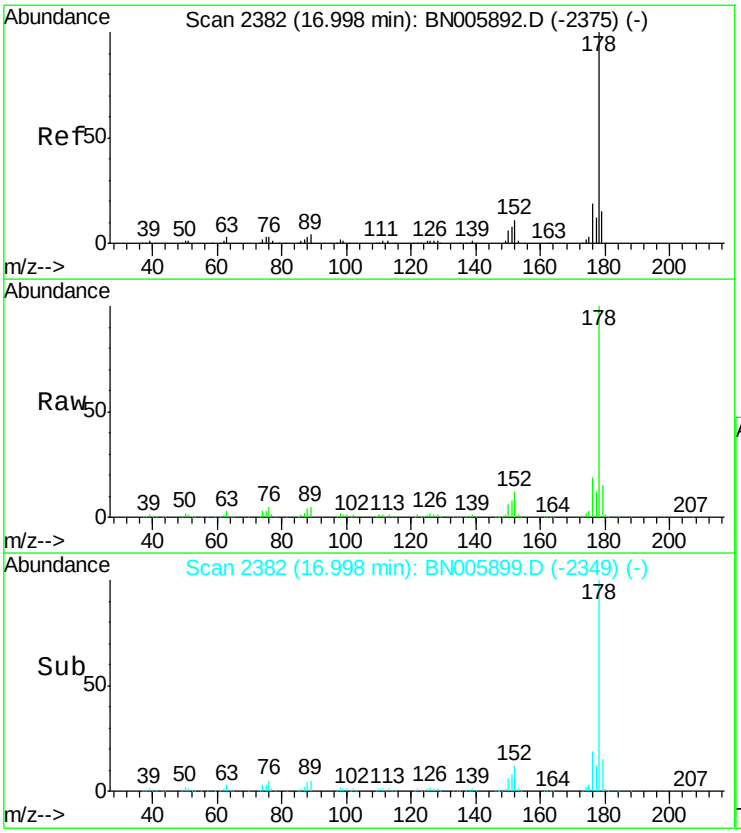
#66
Hexachlorobenzene
Concen: 18.620 ng/ul
RT: 16.27 min Scan# 2258
Delta R.T. -0.00 min
Lab File: BN005899.D
Acq: 24 May 2019 20:36

Instrument :
BNA_N
ClientSampleId :
A42F1

Tgt Ion:284 Resp: 132901

Ion	Ratio	Lower	Upper
284	100		
142	30.4	29.4	44.2
249	30.6	26.1	39.1

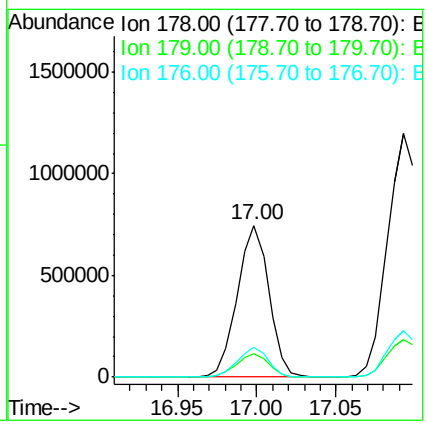


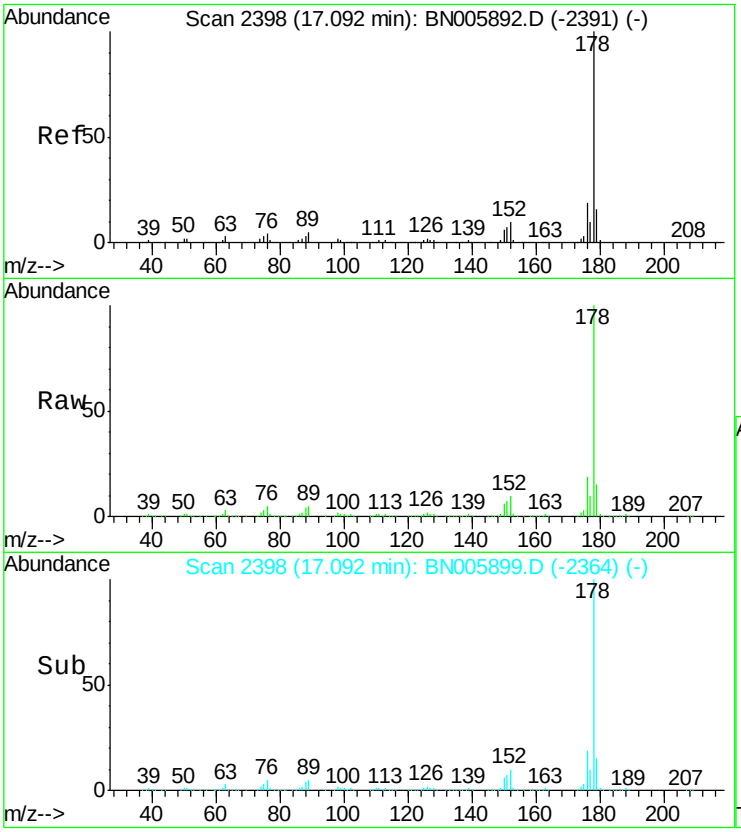


#69
Phenanthrene
Concen: 34.278 ng/ul
RT: 17.00 min Scan# 2382
Delta R.T. -0.01 min
Lab File: BN005899.D
Acq: 24 May 2019 20:36

Tgt Ion:178 Resp: 1032370

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.2	18.4
176	19.4	15.1	22.7



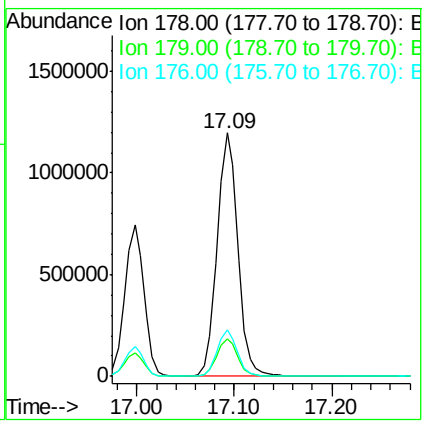


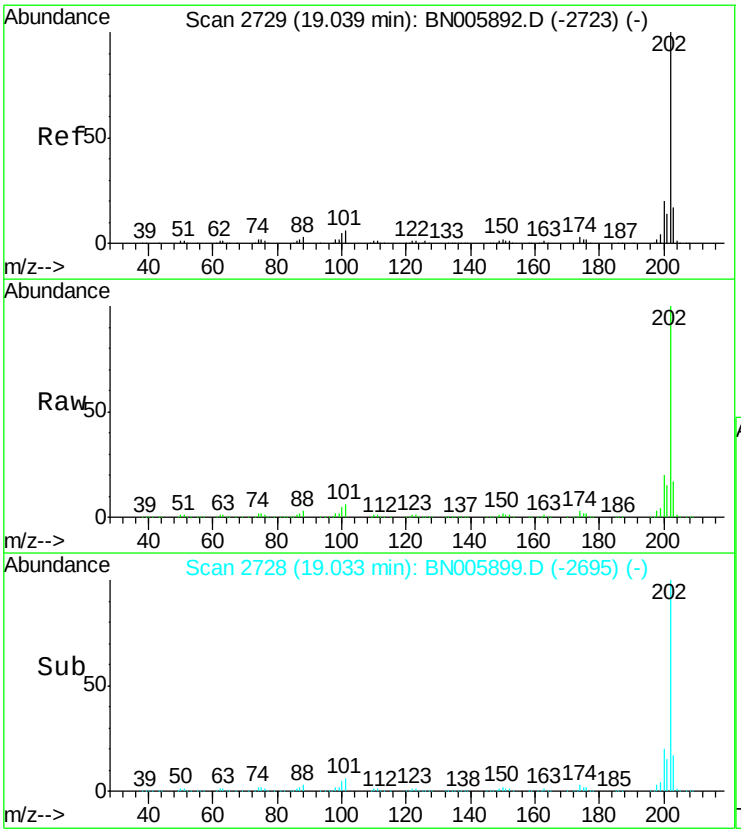
#71
Anthracene
Concen: 57.269 ng/ul
RT: 17.09 min Scan# 2398
Delta R.T. -0.00 min
Lab File: BN005899.D
Acq: 24 May 2019 20:36

Instrument :
BNA_N
ClientSampleId :
A42F1

Tgt Ion:178 Resp: 1756195

Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.3	18.5
176	18.9	15.1	22.7

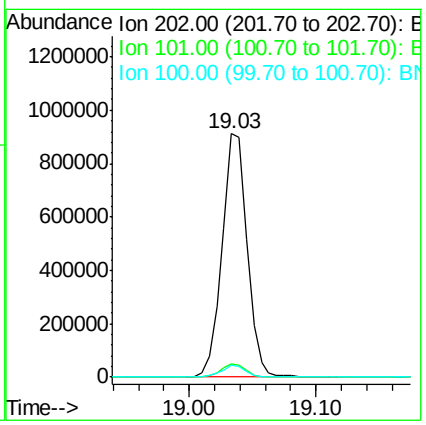


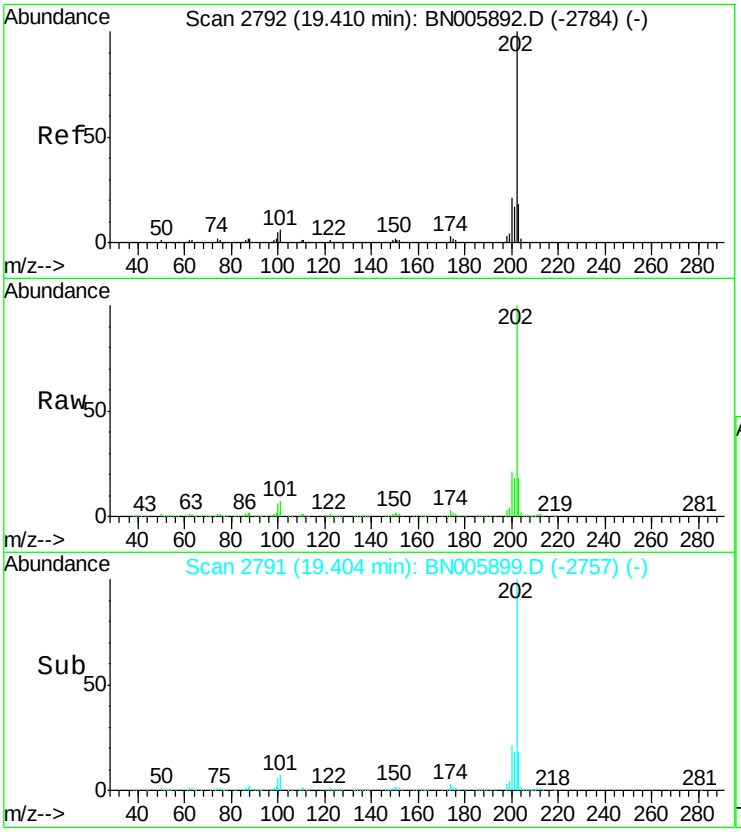


#76
Fluoranthene
Concen: 33.558 ng/ul
RT: 19.03 min Scan# 2728
Delta R.T. -0.01 min
Lab File: BN005899.D
Acq: 24 May 2019 20:36

Tgt Ion:202 Resp: 1249546

Ion	Ratio	Lower	Upper
202	100		
101	5.6	8.6	12.8#
100	4.8	6.3	9.5#



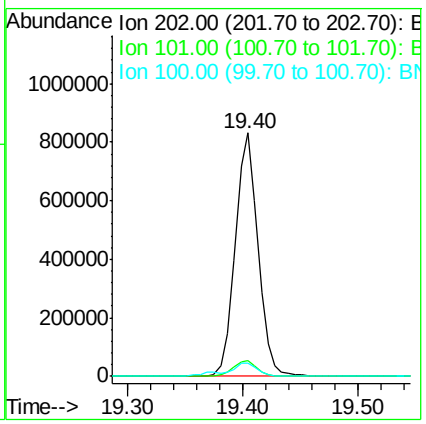


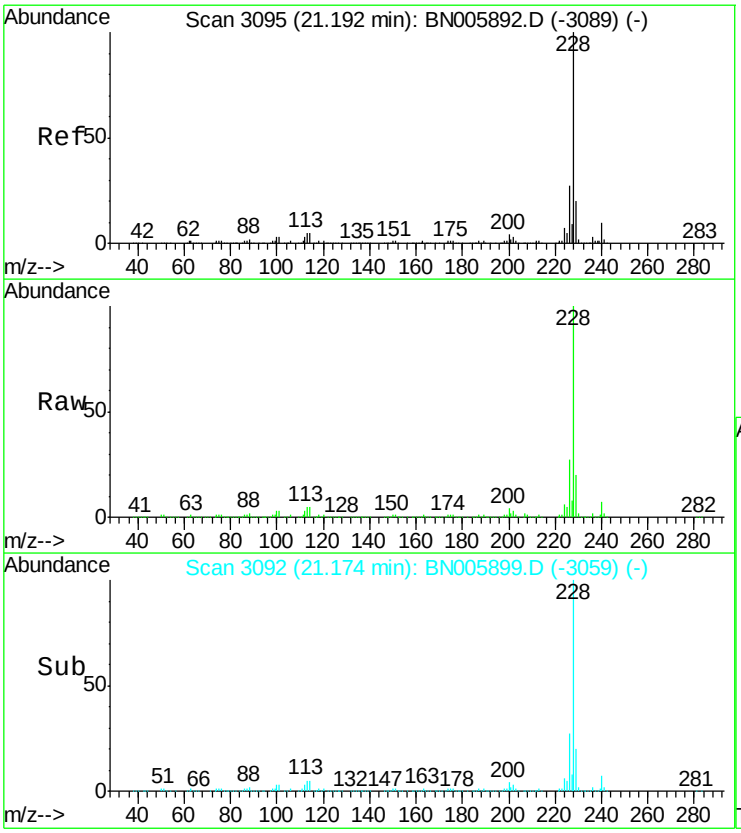
#79
Pyrene
Concen: 27.311 ng/ul
RT: 19.40 min Scan# 2791
Delta R.T. -0.00 min
Lab File: BN005899.D
Acq: 24 May 2019 20:36

Instrument :
BNA_N
ClientSampleId :
A42F1

Tgt Ion:202 Resp: 1134585

Ion	Ratio	Lower	Upper
202	100		
101	6.5	10.3	15.5#
100	5.6	7.9	11.9#

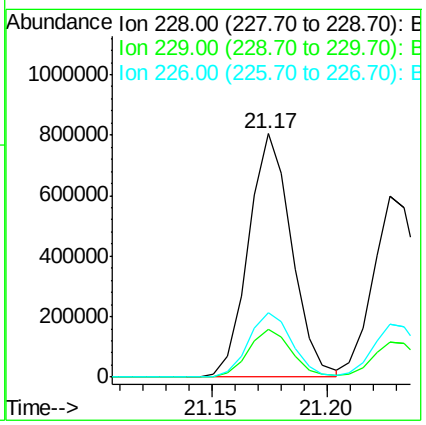


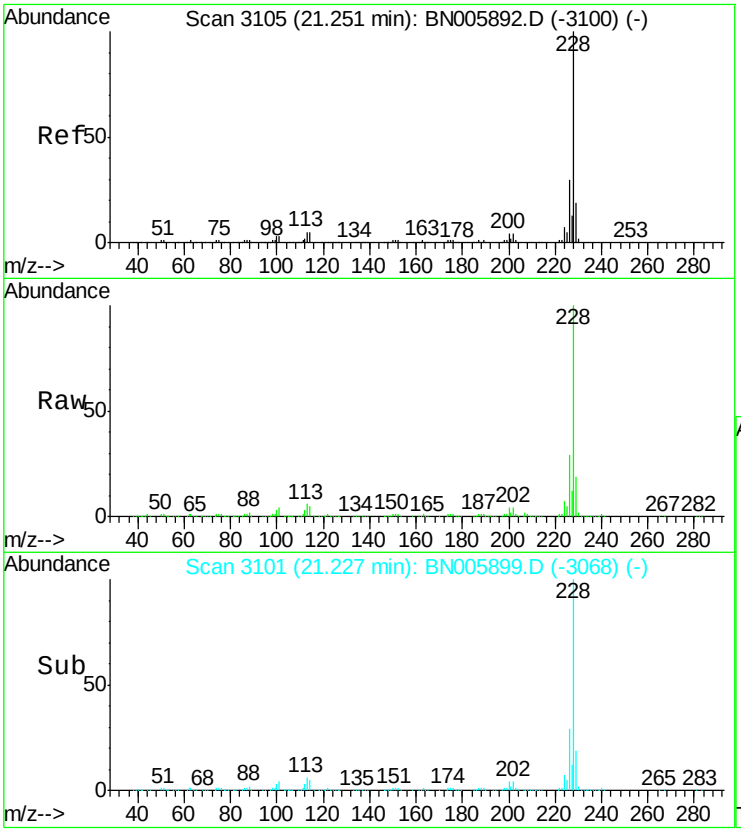


#82
Benzo(a)anthracene
Concen: 24.627 ng/ul
RT: 21.17 min Scan# 3092
Delta R.T. -0.01 min
Lab File: BN005899.D
Acq: 24 May 2019 20:36

Tgt Ion:228 Resp: 1049609

Ion	Ratio	Lower	Upper
228	100		
229	19.6	15.8	23.6
226	26.6	21.4	32.2



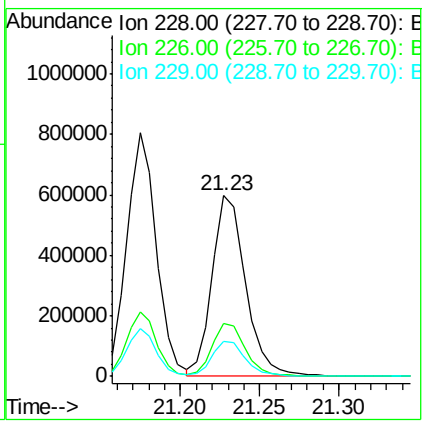


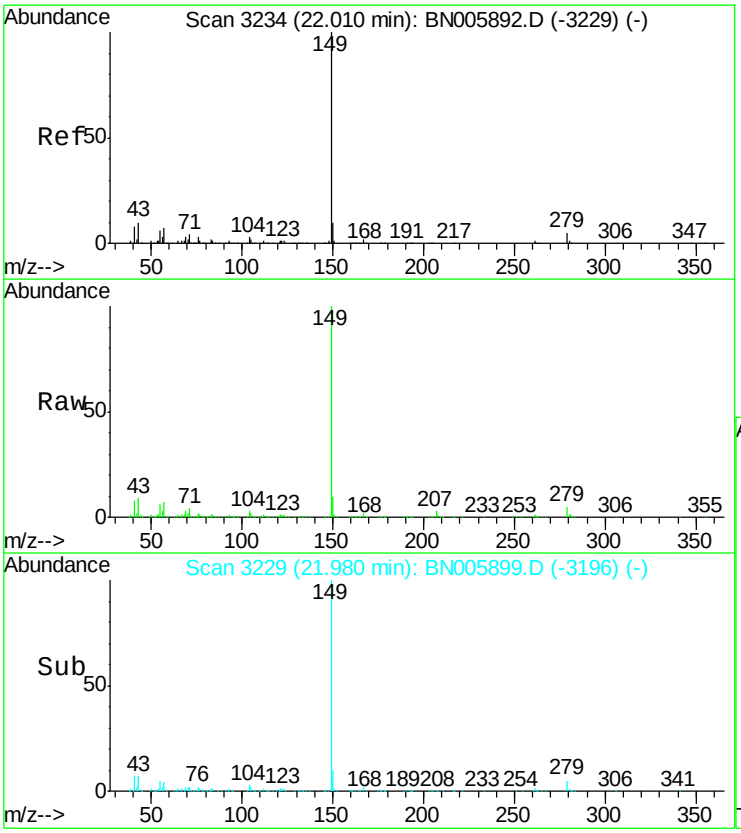
#84
Chrysene
Concen: 21.713 ng/ul
RT: 21.23 min Scan# 3101
Delta R.T. -0.01 min
Lab File: BN005899.D
Acq: 24 May 2019 20:36

Instrument :
BNA_N
ClientSampleId :
A42F1

Tgt Ion:228 Resp: 872366

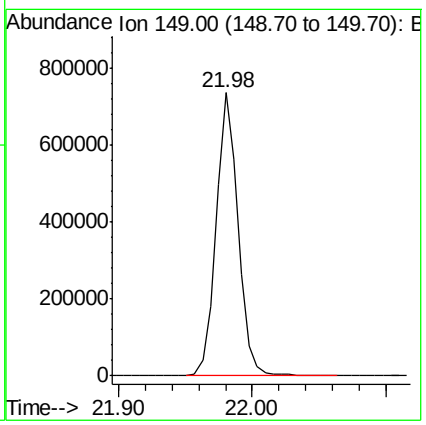
Ion	Ratio	Lower	Upper
228	100		
226	29.3	24.0	36.0
229	19.3	15.4	23.0

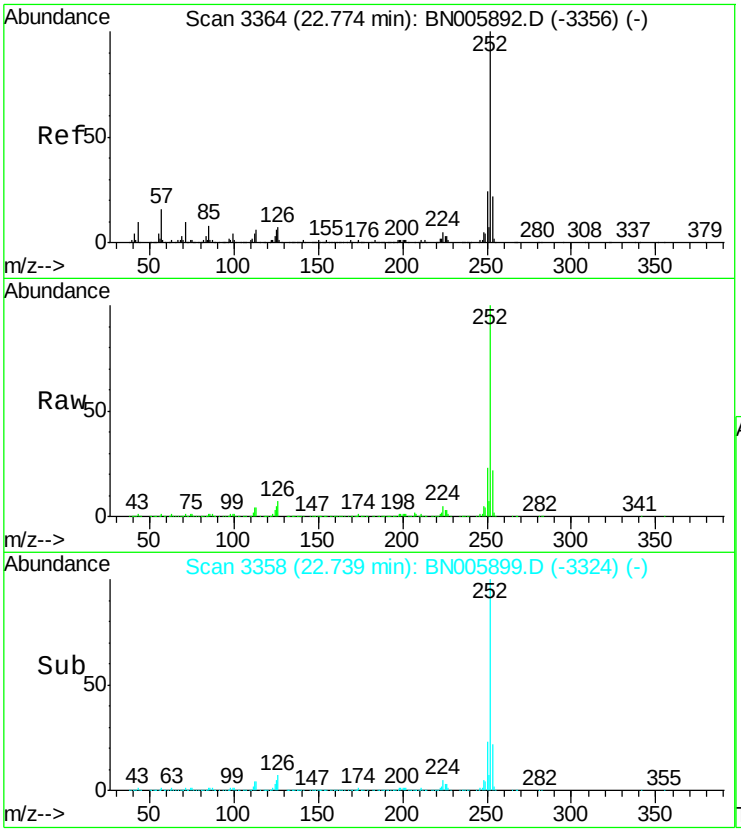




#86
Di-n-octyl phthalate
Concen: 22.652 ng/ul
RT: 21.98 min Scan# 3229
Delta R.T. -0.01 min
Lab File: BN005899.D
Acq: 24 May 2019 20:36

Tgt Ion:149 Resp: 849919



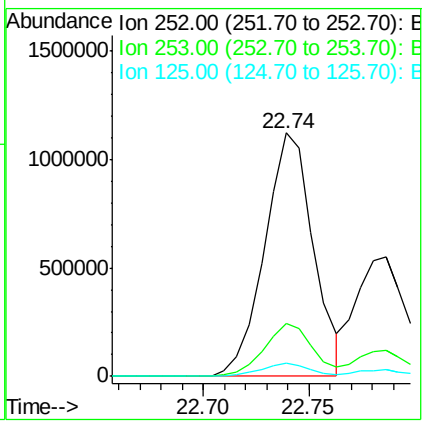


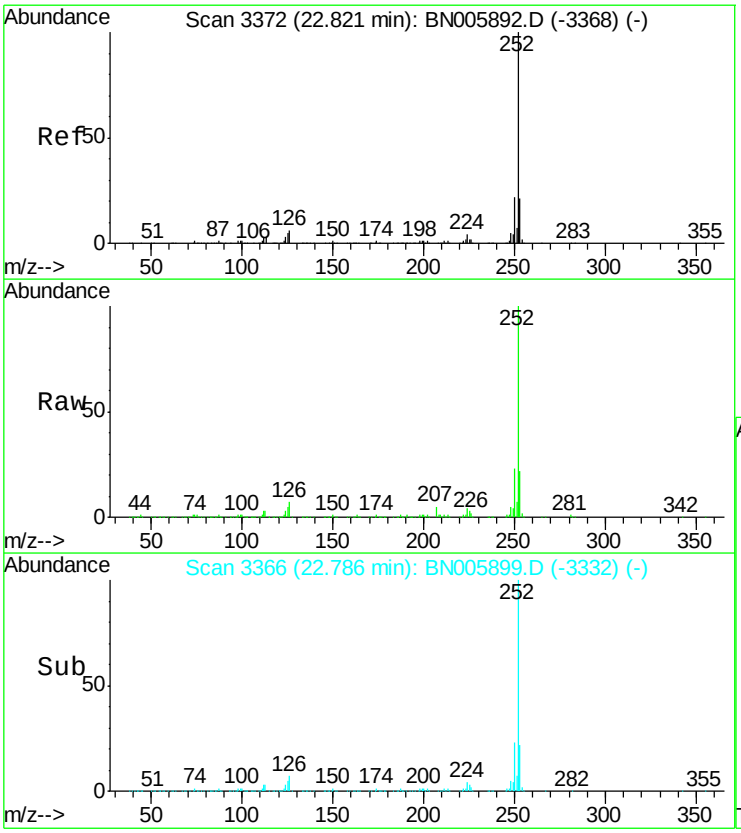
#87
Benzo(b)fluoranthene
Concen: 46.488 ng/ul
RT: 22.74 min Scan# 3358
Delta R.T. -0.00 min
Lab File: BN005899.D
Acq: 24 May 2019 20:36

Instrument :
BNA_N
ClientSampleId :
A42F1

Tgt Ion:252 Resp: 1798434

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.7	26.5
125	5.2	8.4	12.6#

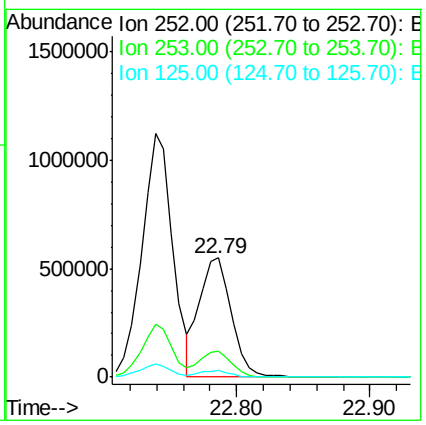


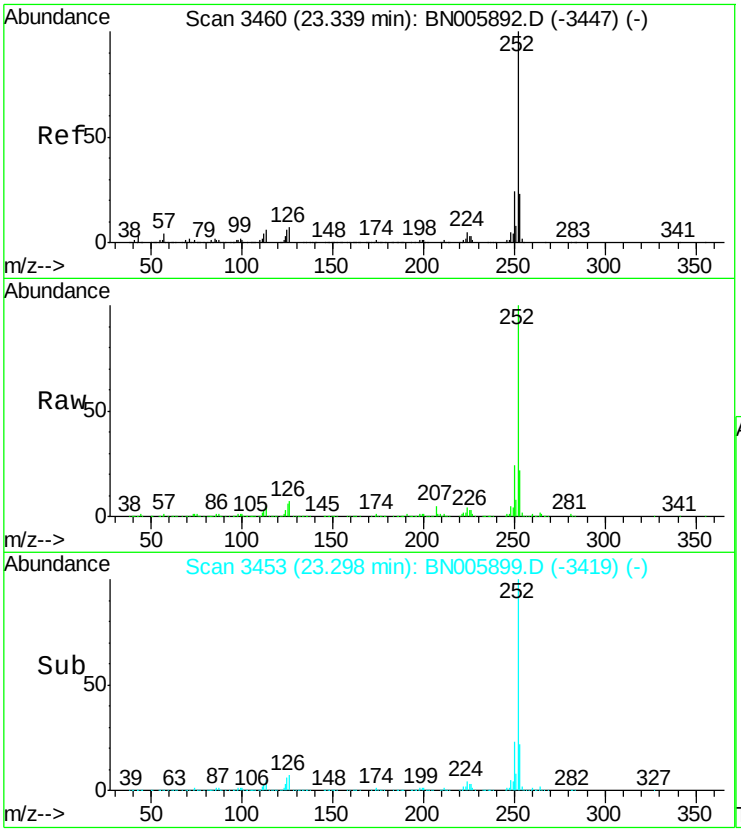


#88
Benzo(k)fluoranthene
Concen: 24.548 ng/ul
RT: 22.79 min Scan# 3366
Delta R.T. -0.00 min
Lab File: BN005899.D
Acq: 24 May 2019 20:36

Tgt Ion:252 Resp: 918883

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0
125	5.3	7.5	11.3#



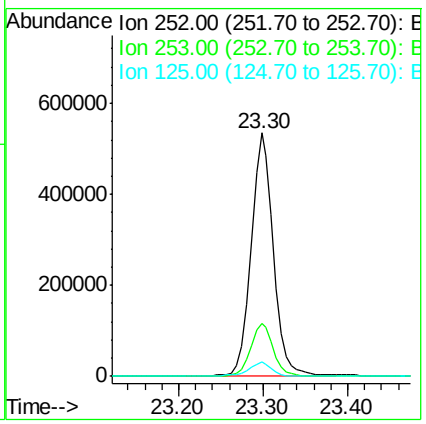


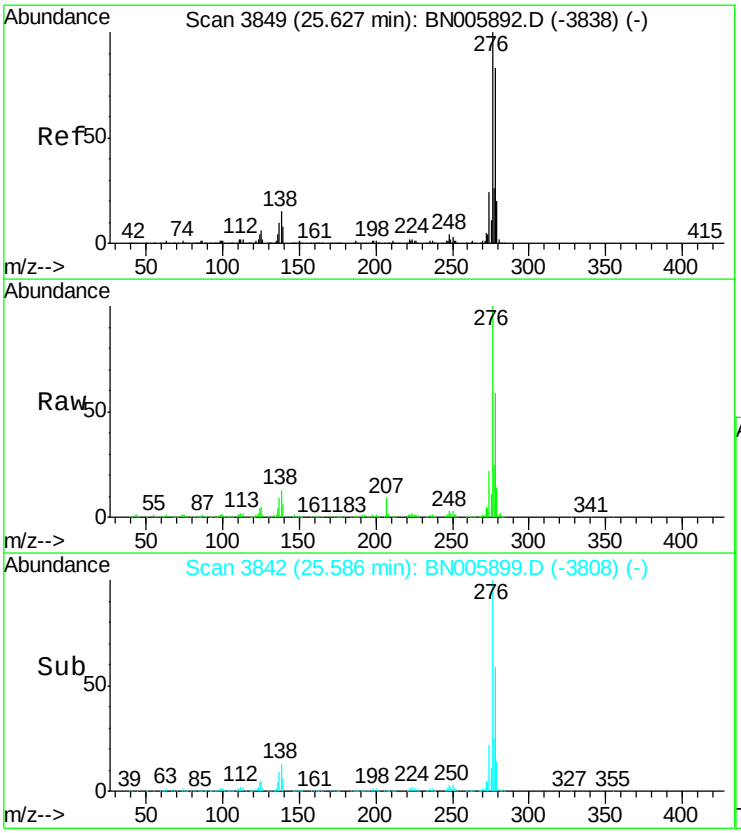
#90
Benzo(a)pyrene
Concen: 26.285 ng/ul
RT: 23.30 min Scan# 3453
Delta R.T. -0.00 min
Lab File: BN005899.D
Acq: 24 May 2019 20:36

Instrument :
BNA_N
ClientSampleId :
A42F1

Tgt Ion:252 Resp: 984642

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.3	25.9
125	5.9	8.6	13.0#

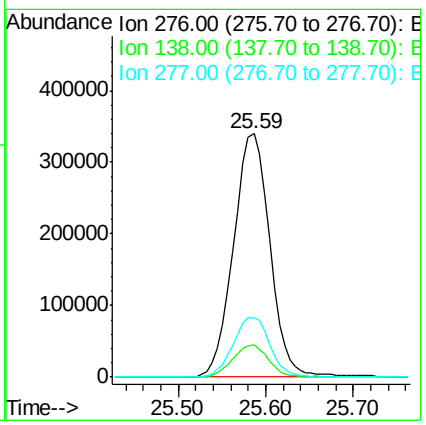


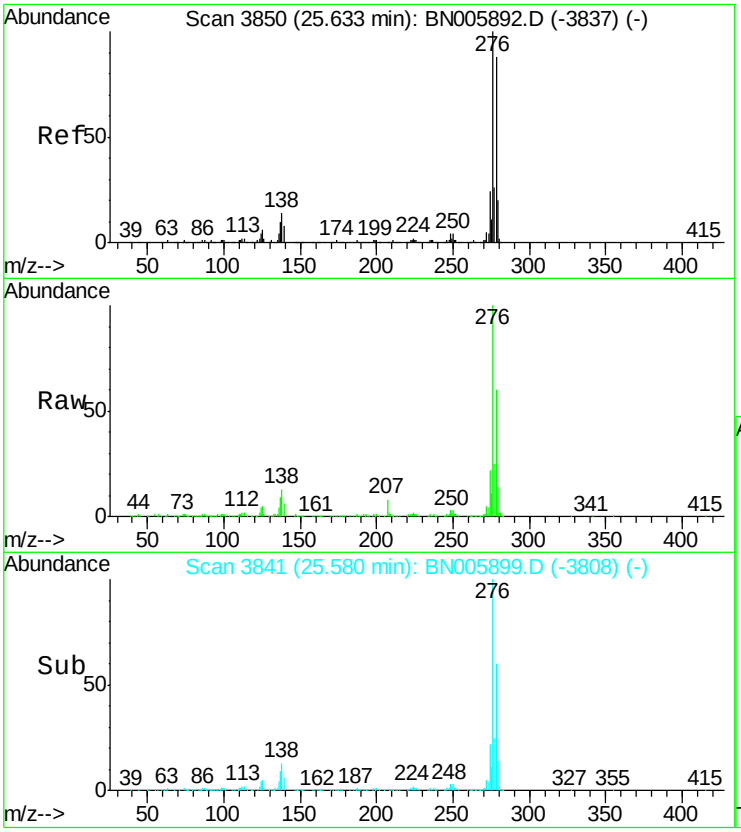


#91
Indeno(1,2,3-cd)pyrene
Concen: 20.976 ng/ul
RT: 25.59 min Scan# 3842
Delta R.T. -0.00 min
Lab File: BN005899.D
Acq: 24 May 2019 20:36

Tgt Ion:276 Resp: 960695

Ion	Ratio	Lower	Upper
276	100		
138	13.1	17.9	26.9#
277	24.6	19.7	29.5



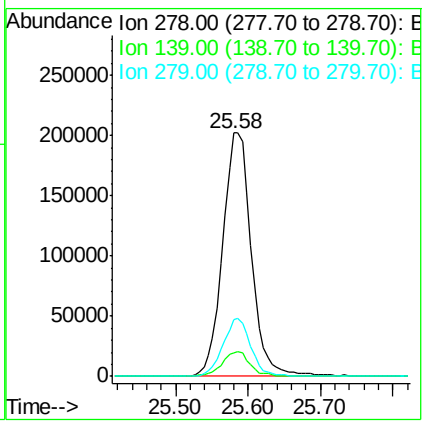


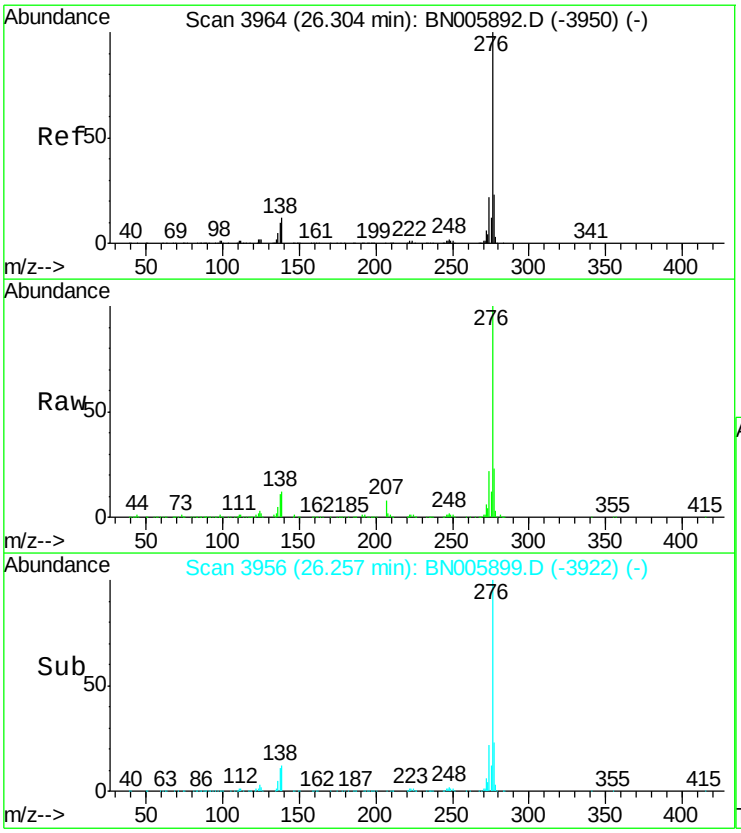
#92
Dibenzo(a,h)anthracene
Concen: 14.436 ng/ul
RT: 25.58 min Scan# 3841
Delta R.T. -0.01 min
Lab File: BN005899.D
Acq: 24 May 2019 20:36

Instrument :
BNA_N
ClientSampleId :
A42F1

Tgt Ion:278 Resp: 556560

Ion	Ratio	Lower	Upper
278	100		
139	9.7	13.1	19.7#
279	23.5	19.4	29.0





#93
Benzo(g,h,i)perylene
Concen: 32.748 ng/ul
RT: 26.26 min Scan# 3956
Delta R.T. -0.00 min
Lab File: BN005899.D
Acq: 24 May 2019 20:36

Tgt Ion:276 Resp: 1253731

Ion	Ratio	Lower	Upper
276	100		
138	11.9	16.7	25.1#
277	23.4	18.2	27.2