Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN022620\
Data File : BN009957.D
Acq On : 27 Feb 2020 09:46
Operator : CG/JU
Sample : L1506-24
Misc :
ALS Vial : 38 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DBCY0

Quant Time: Feb 27 10:28:15 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 26 07:56:07 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	89955	20.00	ng/ul	0.00
18) Naphthalene-d8	10.12	136	384970	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.02	164	243356	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.78	188	543461	20.00	ng/ul	0.00
78) Chrysene-d12	21.00	240	507700	20.00	ng/ul	0.00
86) Perylene-d12	23.10	264	553538	20.00	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.02	96	8318	3.80	ng/uL	0.00
5) Phenol-d5	6.58	99	217556	28.43	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.74	67	150747	28.55	ng/ul	0.00
9) 2-Chlorophenol-d4	6.92	132	162644	28.23	ng/ul	0.00
13) 4-Methylphenol-d8	8.09	113	167347	27.49	ng/ul	0.00
19) Nitrobenzene-d5	8.52	128	80507	28.58	ng/ul	0.00
22) 2-Nitrophenol-d4	9.23	143	88082	28.59	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.77	165	171217	28.91	ng/ul	0.00
29) 4-Chloroaniline-d4	10.29	131	183056	27.51	ng/ul	0.00
44) Dimethylphthalate-d6	13.45	166	547753	30.13	ng/ul	0.00
47) Acenaphthylene-d8	13.70	160	633858	29.61	ng/ul	0.00
52) 4-Nitrophenol-d4	14.27	143	82516	24.86	ng/ul	0.00
58) Fluorene-d10	15.03	176	481515	30.68	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.19	200	57498	17.03	ng/ul	0.00
71) Anthracene-d10	16.88	188	734400	29.48	ng/ul	0.00
79) Pyrene-d10	19.19	212	831995	31.35	ng/ul	0.00
90) Benzo(a)pyrene-d12	22.97	264	861865	31.18	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.05	88	32936	13.108	ng/uL	99
4) Benzaldehyde	6.55	77	143080	28.120	ng/ul	93
6) Phenol	6.61	94	371272	45.281	ng/ul	96
8) Bis(2-Chloroethyl)ether	6.83	93	209097	32.446	ng/ul	96
17) Hexachloroethane	8.42	117	132736	48.085	ng/ul	97
20) Nitrobenzene	8.56	77	146323	17.631	ng/ul	97
23) 2-Nitrophenol	9.26	139	123917	35.943	ng/ul	98
28) Naphthalene	10.18	128	755649	36.400	ng/ul	98
34) 2-Methylnaphthalene	11.80	142	757444	52.546	ng/ul	97
37) 1,2,4,5-Tetrachlorobenzene	12.19	216	133709	18.536	ng/ul	96
40) 2,4,5-Trichlorophenol	12.51	196	275415	56.077	ng/ul	99
41) 1,1'-Biphenyl	12.84	154	694098	37.135	ng/ul	99
42) 2-Chloronaphthalene	12.87	162	530009	35.705	ng/ul	98
48) Acenaphthylene	13.73	152	744971	32.150	ng/ul	99
50) Acenaphthene	14.09	153	461831	29.074	ng/ul	98
53) 4-Nitrophenol	14.28	109	71086	23.730	ng/ul	93
54) Dibenzofuran	14.43	168	338270	15.172	ng/ul	95
55) 2,4-Dinitrotoluene	14.43	165	122788	22.313	ng/ul	93
57) Diethylphthalate	14.88	149	347009	17.817	ng/ul	98
59) Fluorene	15.08	166	621362	33.208	ng/ul	99
67) Hexachlorobenzene	16.09	284	80019	13.298	ng/ul	95
70) Phenanthrene	16.82	178	837786	27.012	ng/ul	97
72) Anthracene	16.92	178	1406447	44.359	ng/ul	99

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Instrument : BNA_N
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Quant Time: Feb 27 10:28:15 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 26 07:56:07 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
77) Fluoranthene	18.85	202	917873	25.265	ng/ul	99
80) Pyrene	19.22	202	839937	22.947	ng/ul	99
83) Benzo(a)anthracene	20.99	228	733826	21.033	ng/ul	100
85) Chrysene	21.04	228	599222	17.445	ng/ul	98
87) Di-n-octyl phthalate	21.79	149	739408	17.649	ng/ul	100
88) Benzo(b)fluoranthene	22.49	252	1234776	34.405	ng/ul	100
89) Benzo(k)fluoranthene	22.53	252	611510	17.995	ng/ul	98
91) Benzo(a)pyrene	23.01	252	689214	21.352	ng/ul	98
92) Indeno(1,2,3-cd)pyrene	25.14	276	705833	18.418	ng/ul	97
93) Dibenzo(a,h)anthracene	25.14	278	413812	12.622	ng/ul	96
94) Benzo(g,h,i)perylene	25.76	276	984662	30.642	ng/ul	99

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

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Acq On : 27 Feb 2020 09:46
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Sample : L1506-24
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ALS Vial : 38 Sample Multiplier: 1

Instrument :
BNA_N
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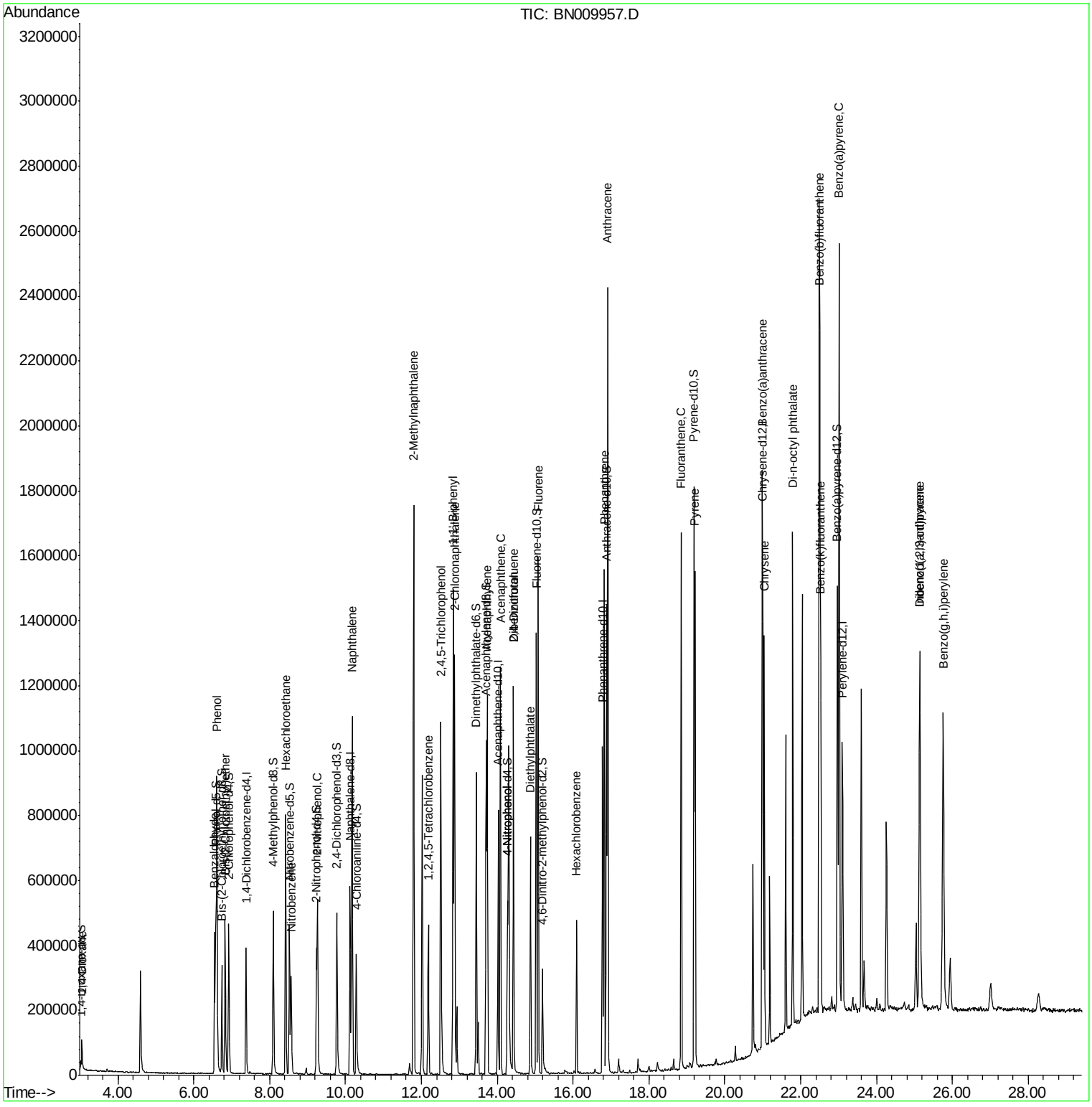
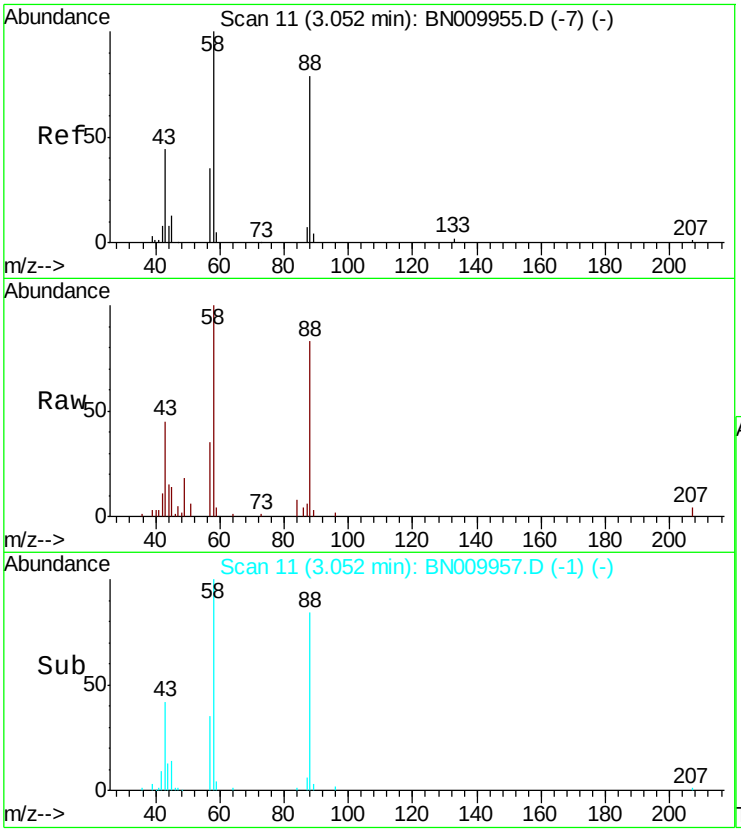
Quant Time: Feb 27 10:28:15 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN021220MA.M
Quant Title : SVOA CALIBRATION
QLast Update : Wed Feb 26 07:56:07 2020
Response via : Initial Calibration



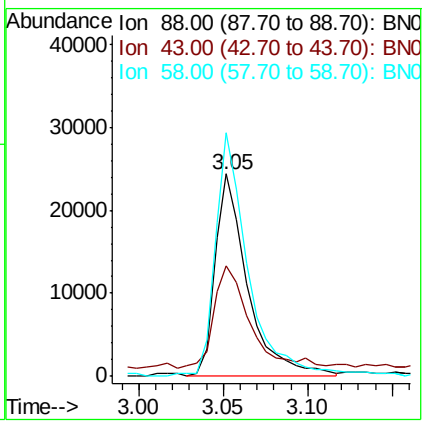


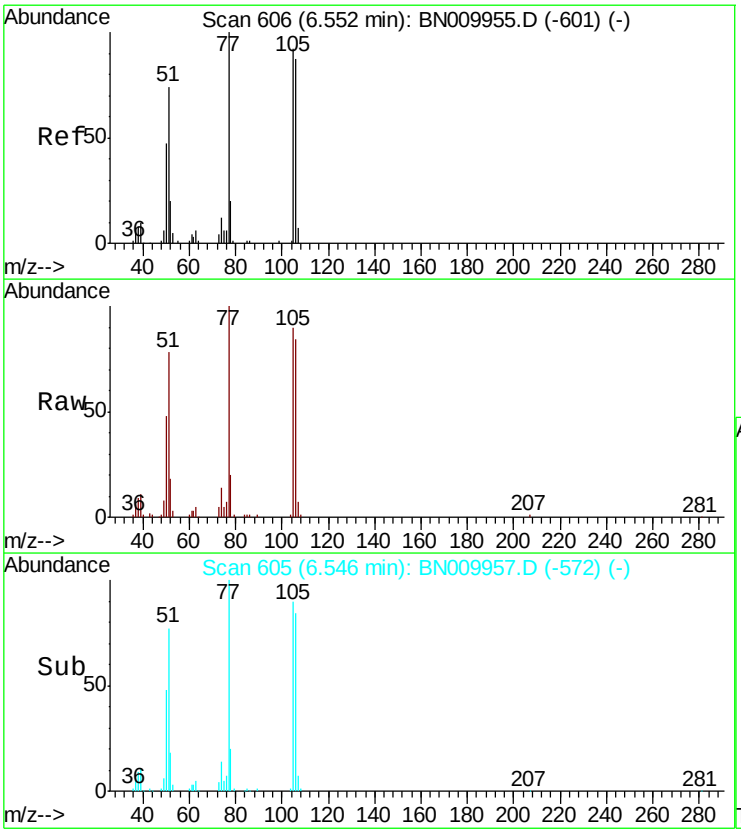
#2
1,4-Dioxane
Concen: 13.108 ng/uL
RT: 3.05 min Scan# 11
Delta R.T. -0.01 min
Lab File: BN009957.D
Acq: 27 Feb 2020 09:46

Instrument :
BNA_N
ClientSampleId :
DBCY0

Tgt Ion: 88 Resp: 32936

Ion	Ratio	Lower	Upper
88	100		
43	54.4	44.7	67.1
58	120.2	96.2	144.2

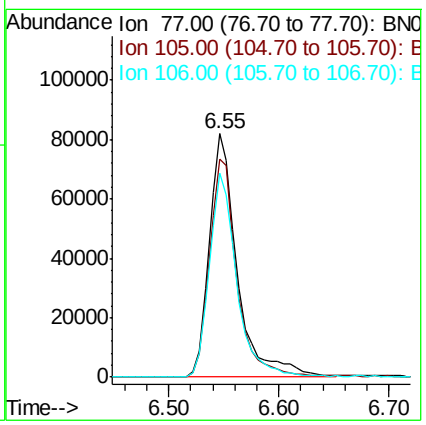


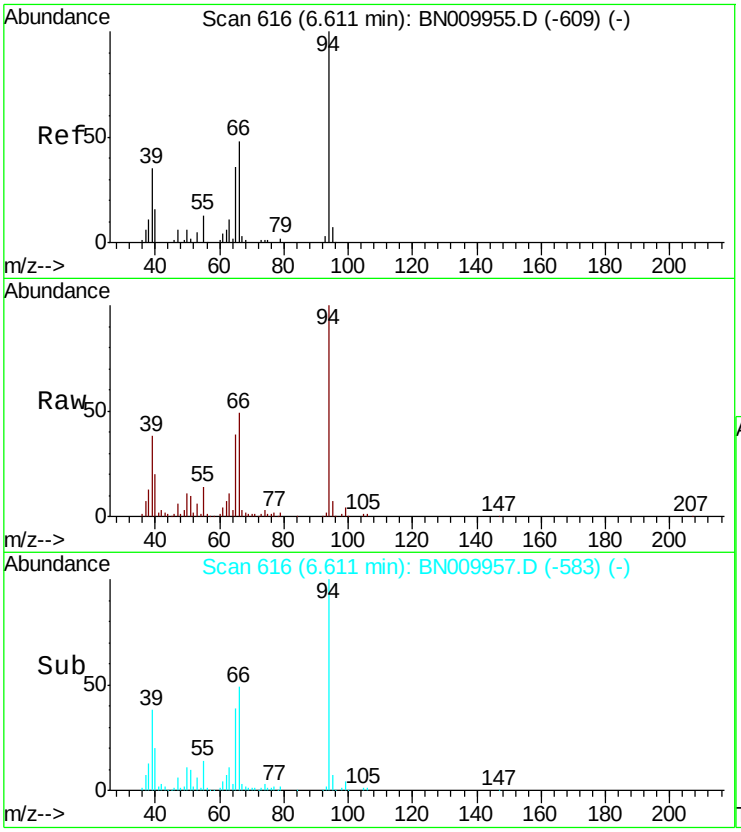


#4
Benzaldehyde
Concen: 28.120 ng/ul
RT: 6.55 min Scan# 605
Delta R.T. -0.01 min
Lab File: BN009957.D
Acq: 27 Feb 2020 09:46

Tgt Ion: 77 Resp: 143080

Ion	Ratio	Lower	Upper
77	100		
105	89.6	78.2	117.2
106	83.8	70.9	106.3



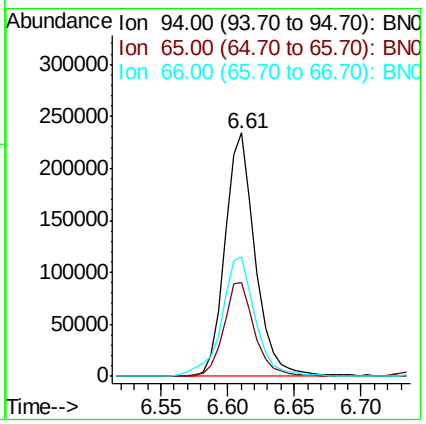


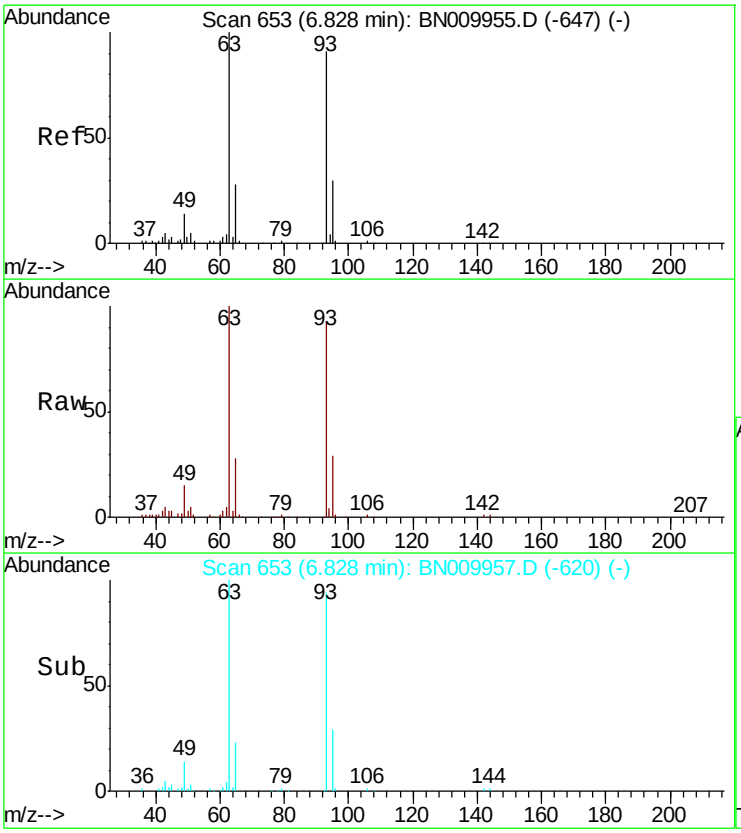
#6
Phenol
Concen: 45.281 ng/ul
RT: 6.61 min Scan# 616
Delta R.T. -0.01 min
Lab File: BN009957.D
Acq: 27 Feb 2020 09:46

Instrument :
BNA_N
ClientSampleId :
DBCY0

Tgt Ion: 94 Resp: 371272

Ion	Ratio	Lower	Upper
94	100		
65	38.8	27.6	41.4
66	49.2	38.5	57.7

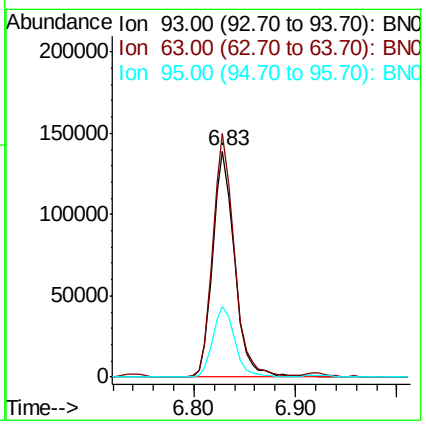


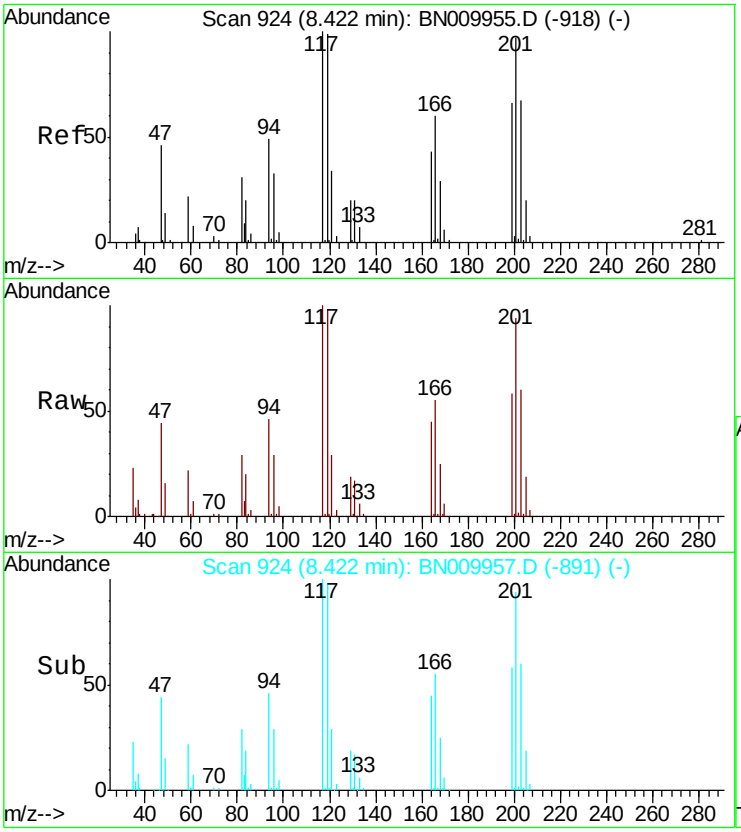


#8
Bis(2-Chloroethyl)ether
Concen: 32.446 ng/ul
RT: 6.83 min Scan# 653
Delta R.T. -0.01 min
Lab File: BN009957.D
Acq: 27 Feb 2020 09:46

Tgt Ion: 93 Resp: 209097

Ion	Ratio	Lower	Upper
93	100		
63	107.8	82.7	124.1
95	31.4	26.6	40.0



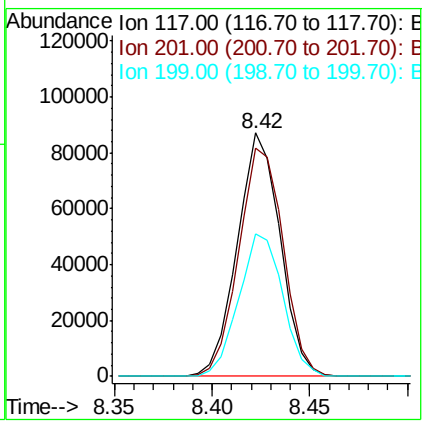


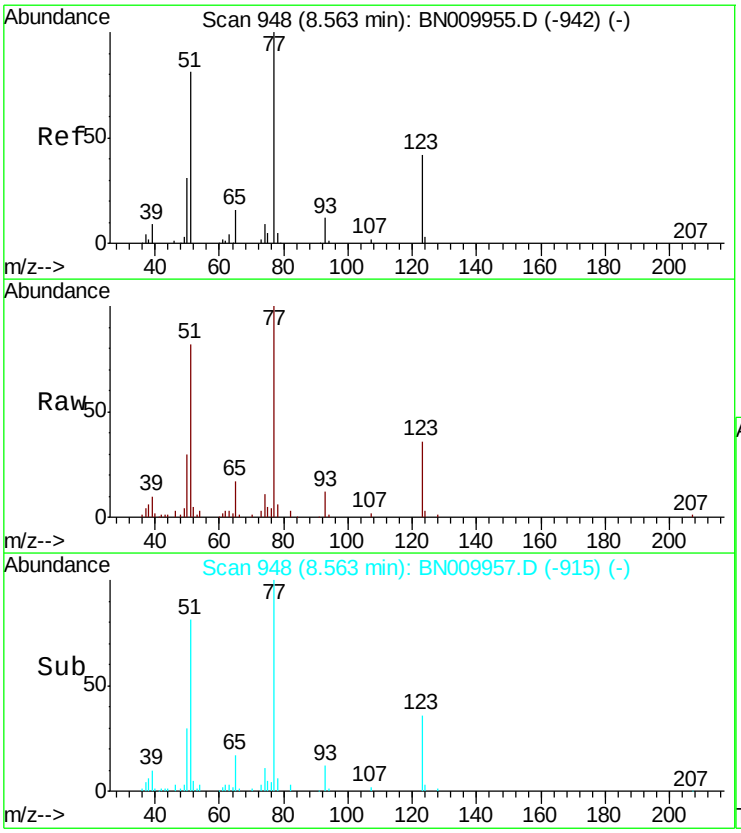
#17
Hexachloroethane
Concen: 48.085 ng/ul
RT: 8.42 min Scan# 924
Delta R.T. -0.01 min
Lab File: BN009957.D
Acq: 27 Feb 2020 09:46

Instrument :
BNA_N
ClientSampleId :
DBCY0

Tgt Ion:117 Resp: 132736

Ion	Ratio	Lower	Upper
117	100		
201	93.7	76.6	115.0
199	58.5	49.1	73.7

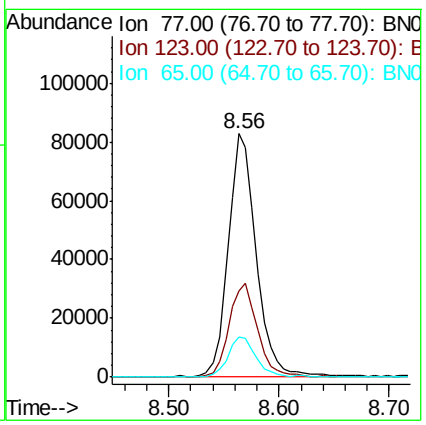


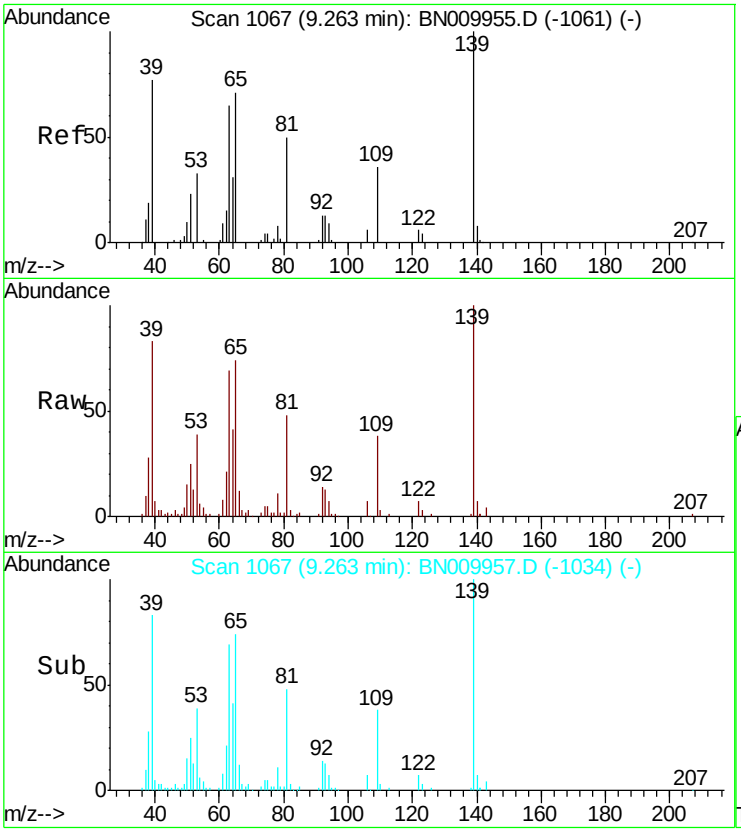


#20
Nitrobenzene
Concen: 17.631 ng/ul
RT: 8.56 min Scan# 948
Delta R.T. -0.01 min
Lab File: BN009957.D
Acq: 27 Feb 2020 09:46

Tgt Ion: 77 Resp: 146323

Ion	Ratio	Lower	Upper
77	100		
123	35.6	30.5	45.7
65	16.6	13.4	20.2



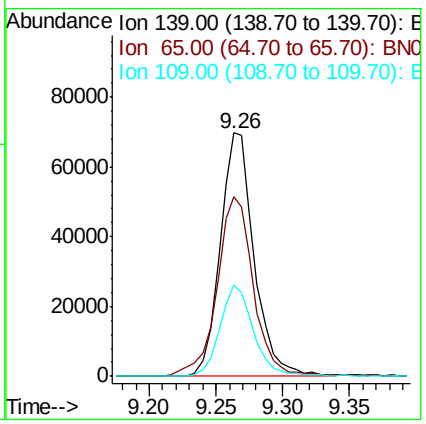


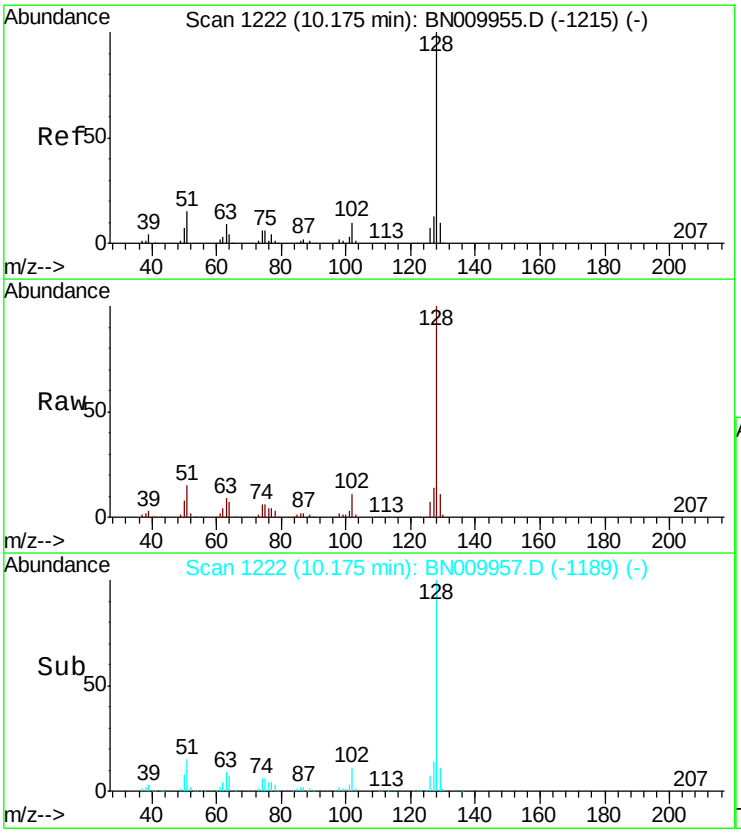
#23
2-Nitrophenol
Concen: 35.943 ng/ul
RT: 9.26 min Scan# 1067
Delta R.T. -0.01 min
Lab File: BN009957.D
Acq: 27 Feb 2020 09:46

Instrument :
BNA_N
ClientSampleId :
DBCY0

Tgt Ion:139 Resp: 123917

Ion	Ratio	Lower	Upper
139	100		
65	73.8	58.0	87.0
109	37.6	28.8	43.2

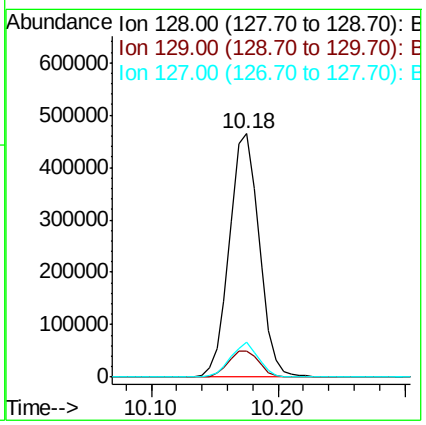


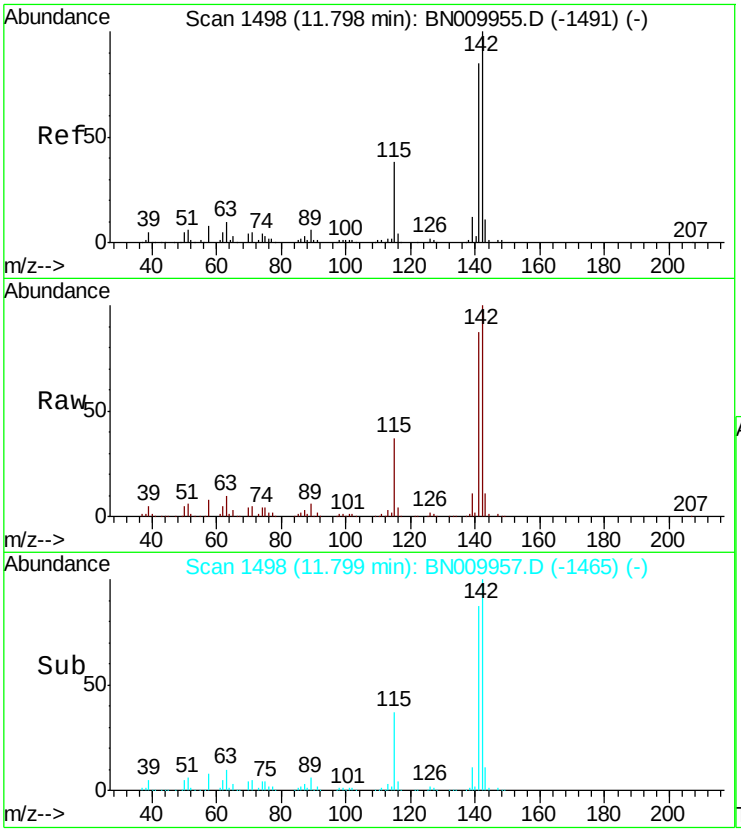


#28
Naphthalene
Concen: 36.400 ng/ul
RT: 10.18 min Scan# 1222
Delta R.T. -0.01 min
Lab File: BN009957.D
Acq: 27 Feb 2020 09:46

Tgt Ion:128 Resp: 755649

Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.6	13.0
127	14.2	10.3	15.5



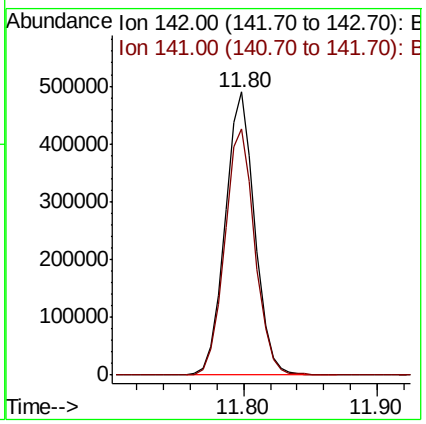


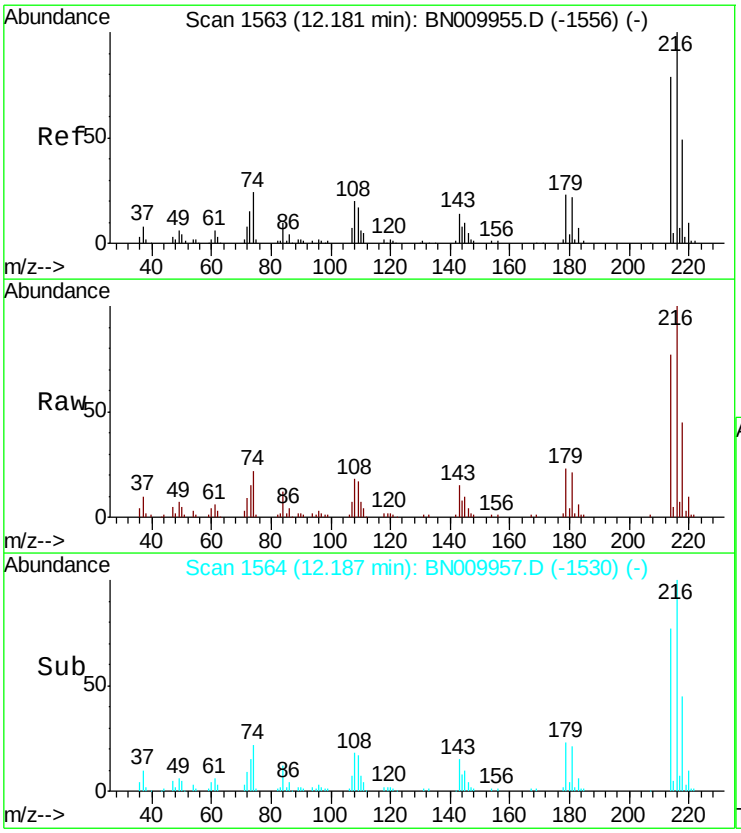
#34
2-Methylnaphthalene
Concen: 52.546 ng/ul
RT: 11.80 min Scan# 1498
Delta R.T. -0.01 min
Lab File: BN009957.D
Acq: 27 Feb 2020 09:46

Instrument :
BNA_N
ClientSampleId :
DBCY0

Tgt Ion:142 Resp: 757444

Ion	Ratio	Lower	Upper
142	100		
141	86.9	72.1	108.1

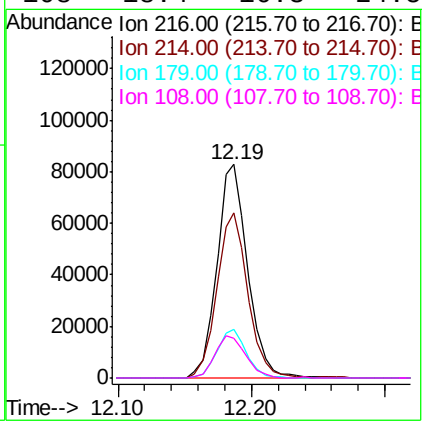


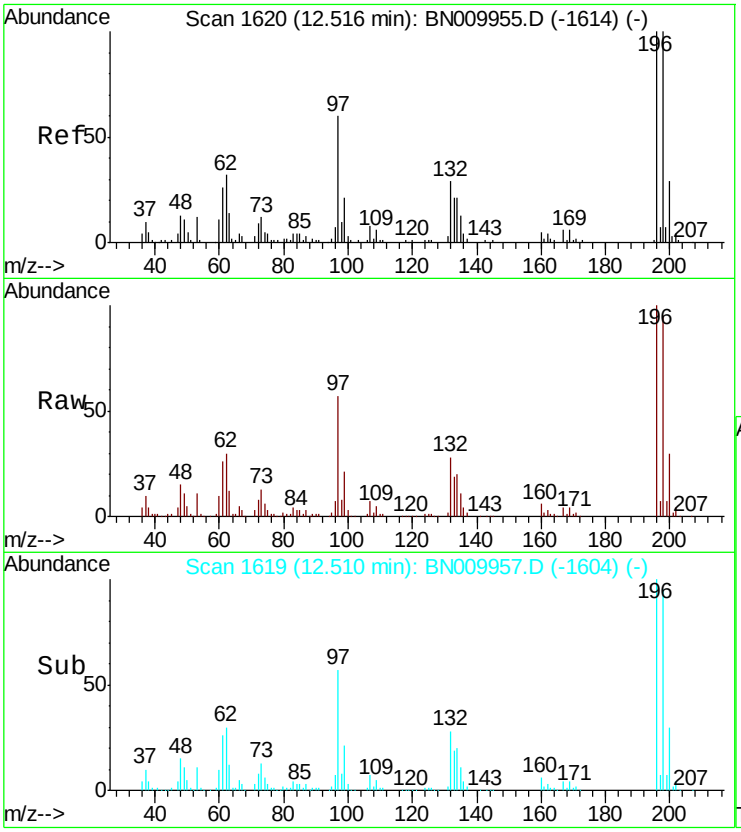


#37
1,2,4,5-Tetrachlorobenzene
Concen: 18.536 ng/ul
RT: 12.19 min Scan# 1564
Delta R.T. 0.00 min
Lab File: BN009957.D
Acq: 27 Feb 2020 09:46

Tgt Ion:216 Resp: 133709

Ion	Ratio	Lower	Upper
216	100		
214	77.2	64.8	97.2
179	22.6	17.6	26.4
108	18.4	16.3	24.5



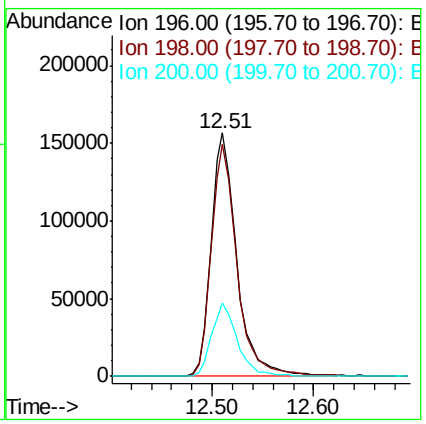


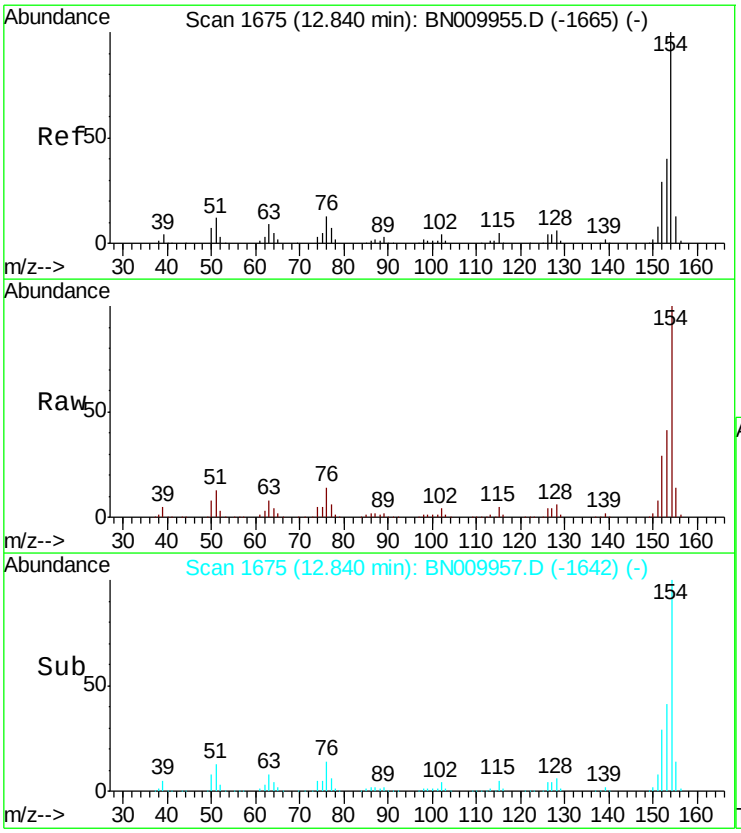
#40
2,4,5-Trichlorophenol
Concen: 56.077 ng/ul
RT: 12.51 min Scan# 1619
Delta R.T. -0.01 min
Lab File: BN009957.D
Acq: 27 Feb 2020 09:46

Instrument :
BNA_N
ClientSampleId :
DBCY0

Tgt Ion:196 Resp: 275415

Ion	Ratio	Lower	Upper
196	100		
198	95.2	75.0	112.6
200	30.2	24.2	36.4

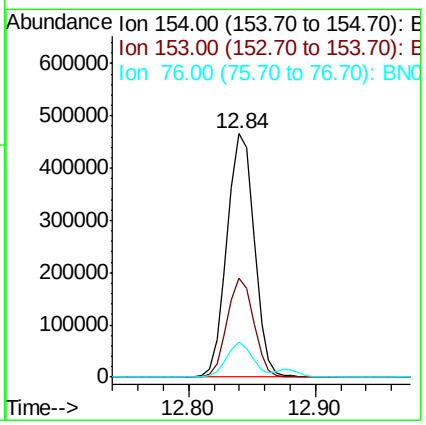


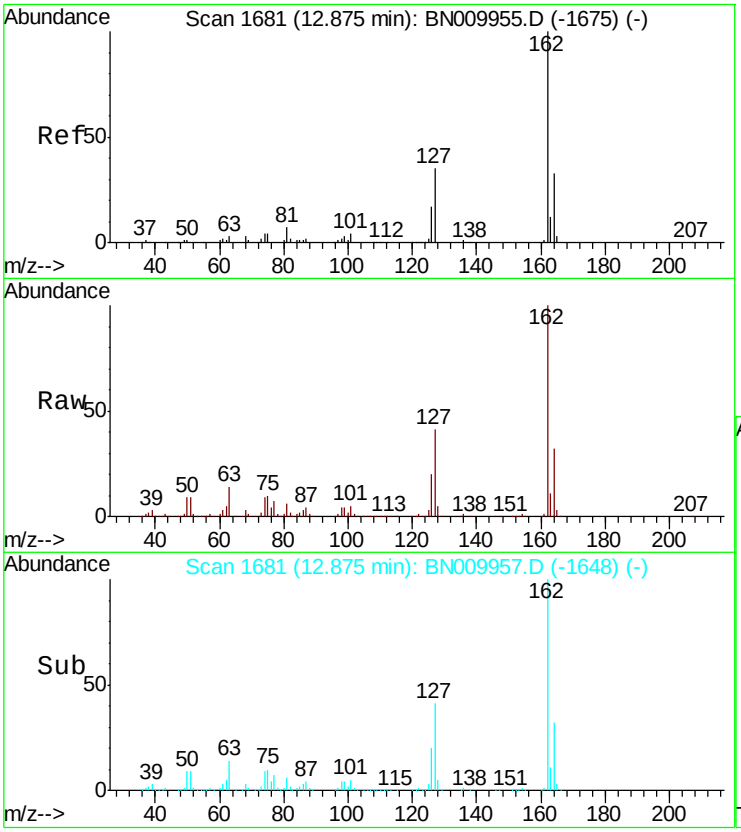


#41
1,1'-Biphenyl
Concen: 37.135 ng/ul
RT: 12.84 min Scan# 1675
Delta R.T. -0.01 min
Lab File: BN009957.D
Acq: 27 Feb 2020 09:46

Tgt Ion:154 Resp: 694098

Ion	Ratio	Lower	Upper
154	100		
153	40.8	33.2	49.8
76	14.5	11.0	16.4



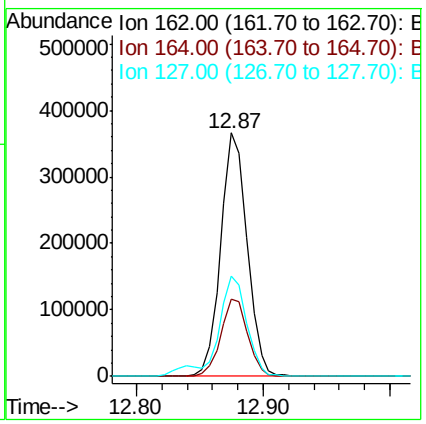


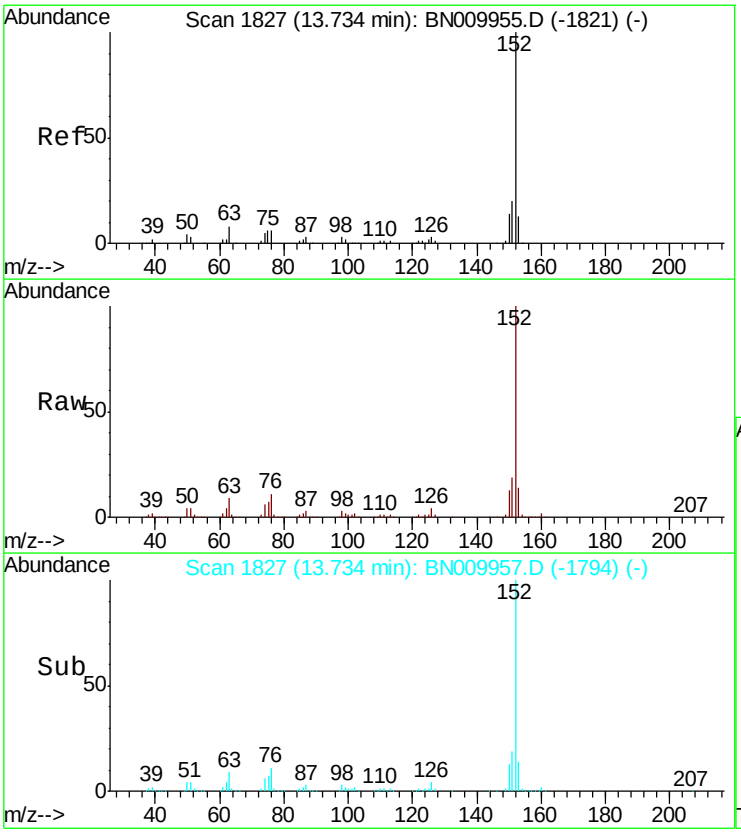
#42
2-Chloronaphthalene
Concen: 35.705 ng/ul
RT: 12.87 min Scan# 1681
Delta R.T. -0.01 min
Lab File: BN009957.D
Acq: 27 Feb 2020 09:46

Instrument :
BNA_N
ClientSampleId :
DBCY0

Tgt Ion:162 Resp: 530009

Ion	Ratio	Lower	Upper
162	100		
164	31.8	25.7	38.5
127	41.0	31.4	47.2

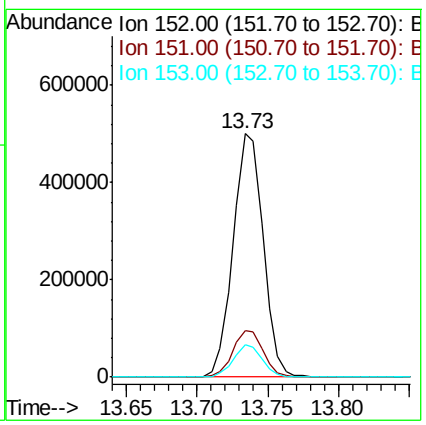


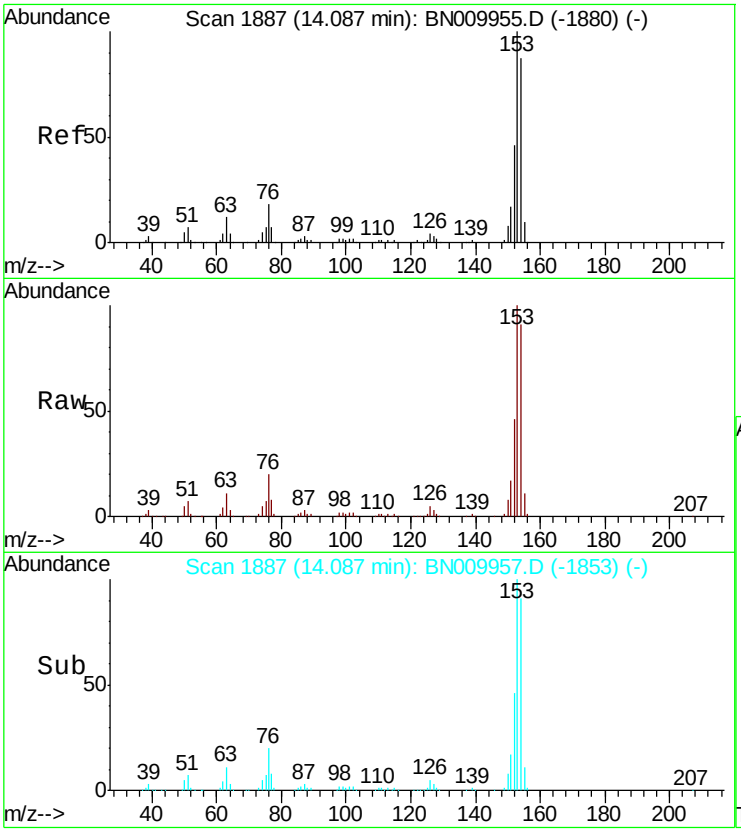


#48
Acenaphthylene
Concen: 32.150 ng/ul
RT: 13.73 min Scan# 1827
Delta R.T. -0.01 min
Lab File: BN009957.D
Acq: 27 Feb 2020 09:46

Tgt Ion:152 Resp: 744971

Ion	Ratio	Lower	Upper
152	100		
151	19.3	15.7	23.5
153	13.5	10.3	15.5



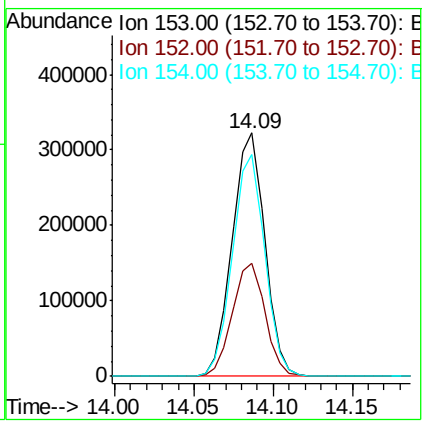


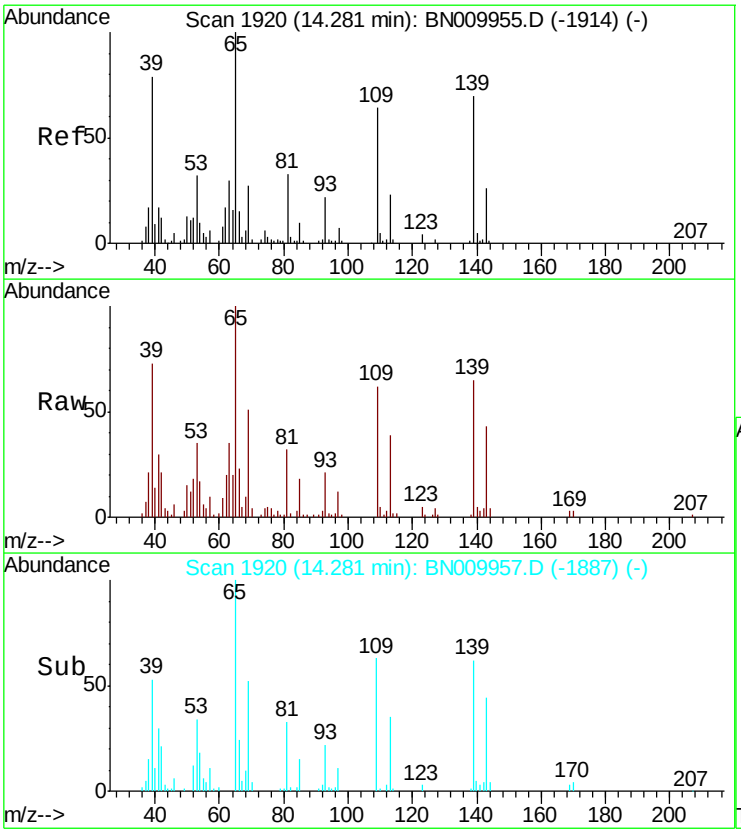
#50
Acenaphthene
Concen: 29.074 ng/ul
RT: 14.09 min Scan# 1887
Delta R.T. 0.00 min
Lab File: BN009957.D
Acq: 27 Feb 2020 09:46

Instrument :
BNA_N
ClientSampleId :
DBCY0

Tgt Ion:153 Resp: 461831

Ion	Ratio	Lower	Upper
153	100		
152	46.4	36.6	54.8
154	91.2	70.6	106.0

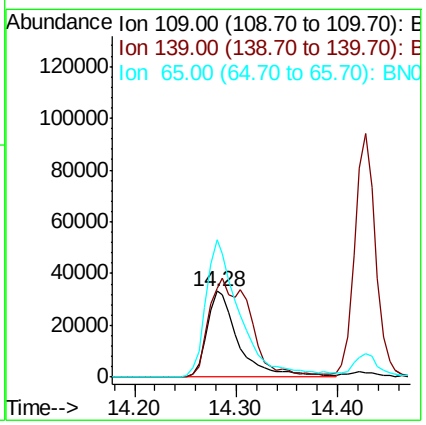


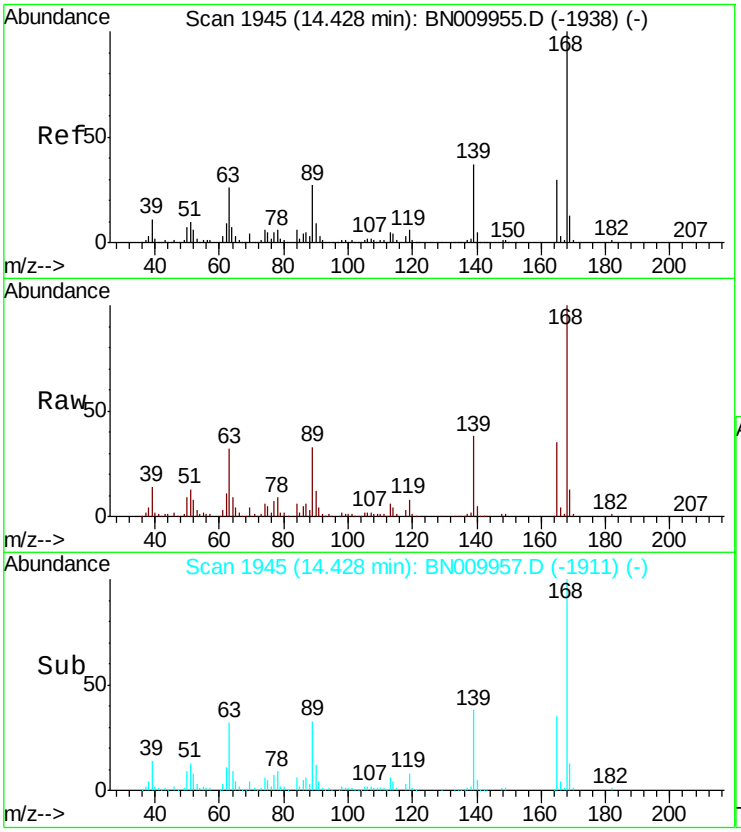


#53
4-Nitrophenol
Concen: 23.730 ng/ul
RT: 14.28 min Scan# 1920
Delta R.T. -0.01 min
Lab File: BN009957.D
Acq: 27 Feb 2020 09:46

Tgt Ion:109 Resp: 71086

Ion	Ratio	Lower	Upper
109	100		
139	103.6	96.3	144.5
65	160.7	129.9	194.9



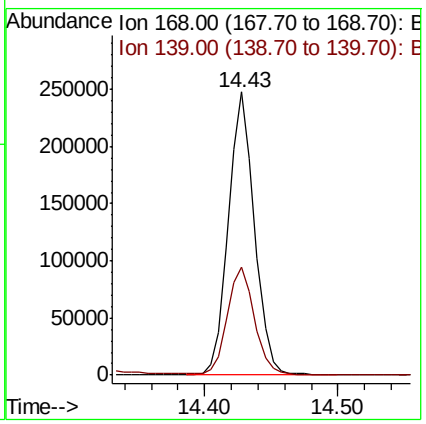


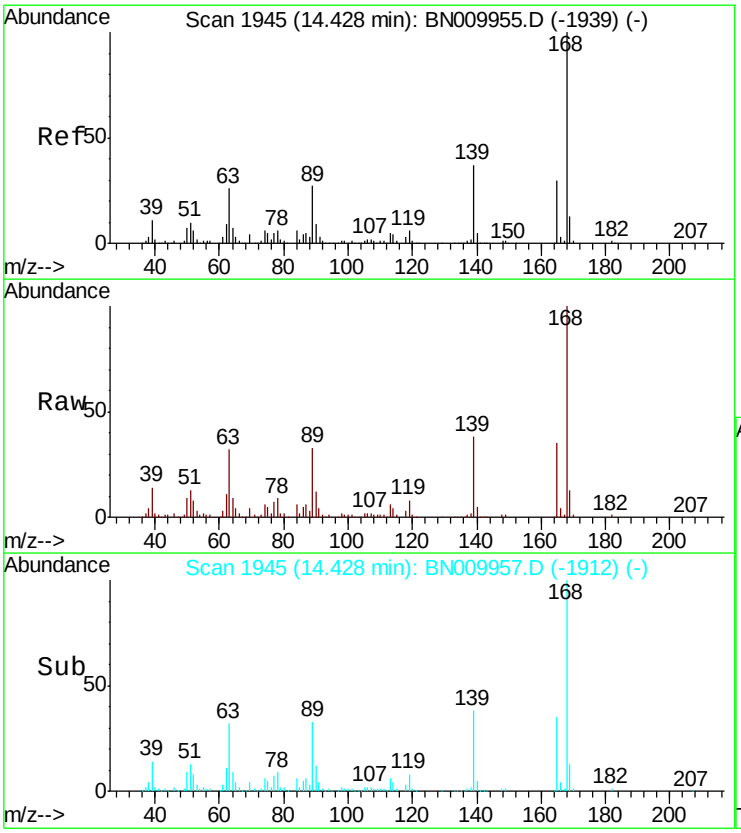
#54
Dibenzofuran
Concen: 15.172 ng/ul
RT: 14.43 min Scan# 1945
Delta R.T. 0.00 min
Lab File: BN009957.D
Acq: 27 Feb 2020 09:46

Instrument :
BNA_N
ClientSampleId :
DBCY0

Tgt Ion:168 Resp: 338270

Ion	Ratio	Lower	Upper
168	100		
139	38.0	32.7	49.1

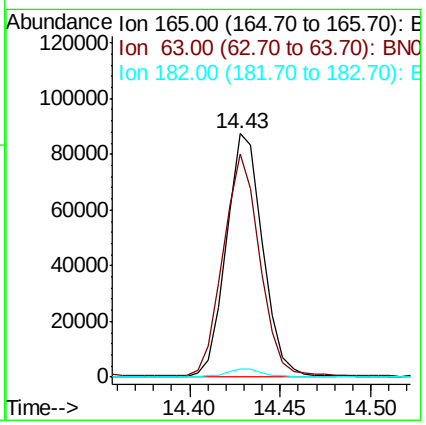


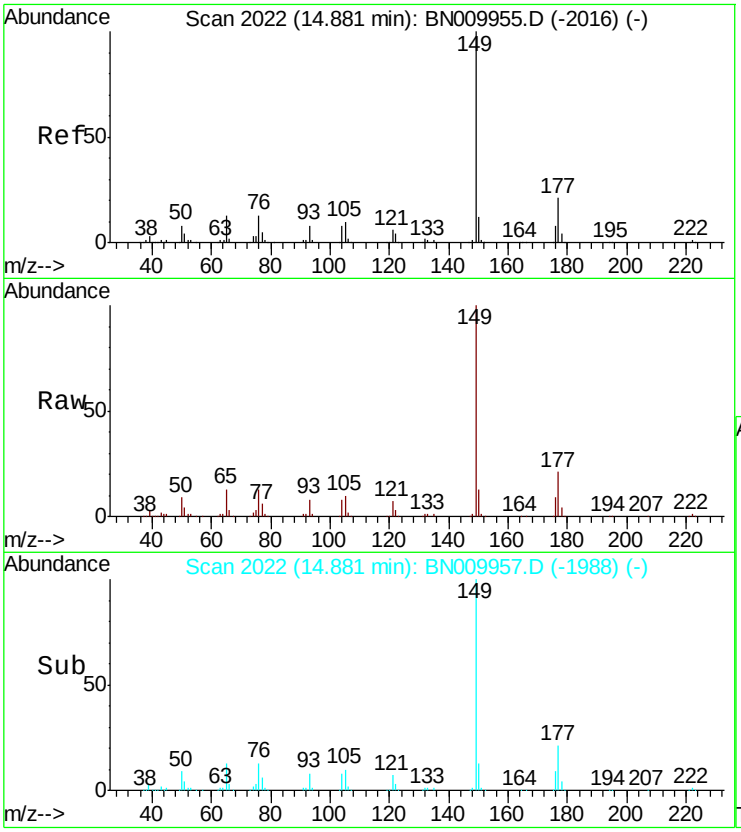


#55
2,4-Dinitrotoluene
Concen: 22.313 ng/ul
RT: 14.43 min Scan# 1945
Delta R.T. -0.01 min
Lab File: BN009957.D
Acq: 27 Feb 2020 09:46

Tgt Ion:165 Resp: 122788

Ion	Ratio	Lower	Upper
165	100		
63	91.6	68.3	102.5
182	3.2	2.2	3.4



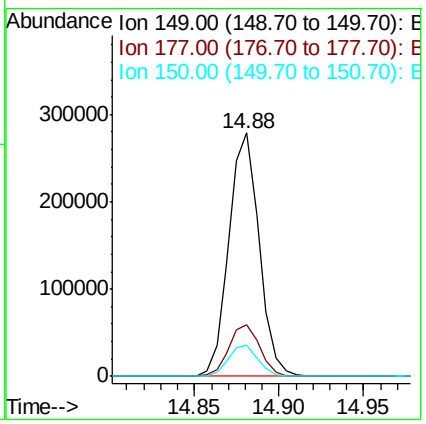


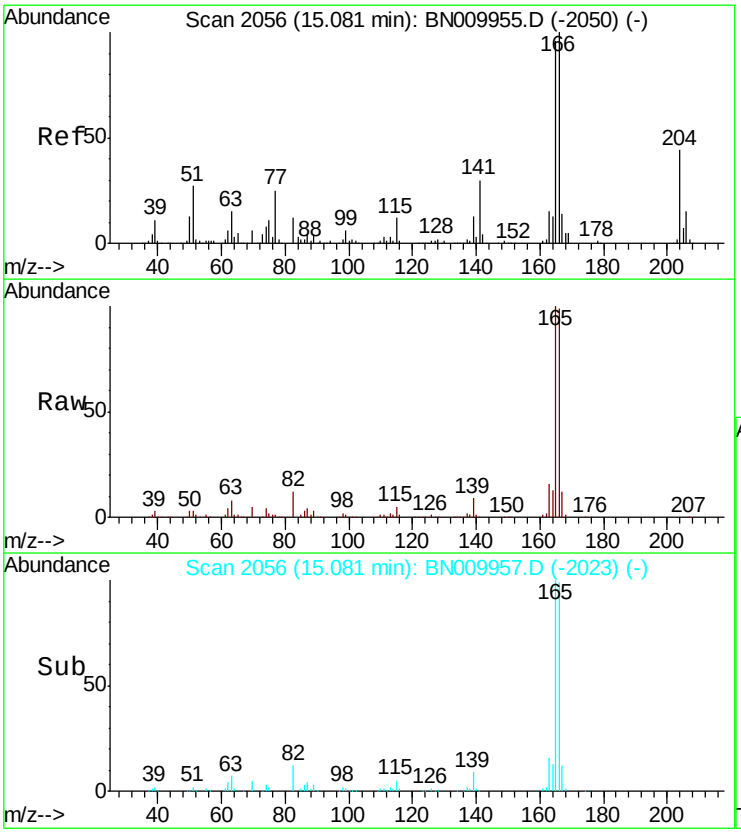
#57
Diethylphthalate
Concen: 17.817 ng/ul
RT: 14.88 min Scan# 2022
Delta R.T. 0.00 min
Lab File: BN009957.D
Acq: 27 Feb 2020 09:46

Instrument :
BNA_N
ClientSampleId :
DBCY0

Tgt Ion:149 Resp: 347009

Ion	Ratio	Lower	Upper
149	100		
177	21.3	17.8	26.6
150	12.9	9.8	14.6

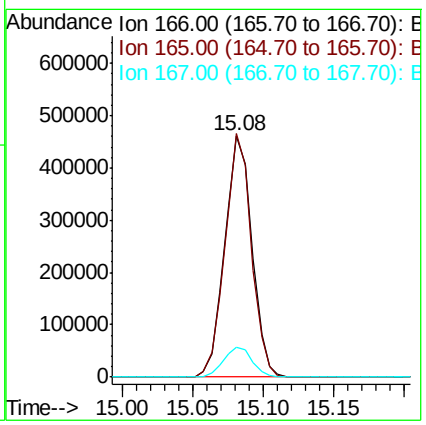


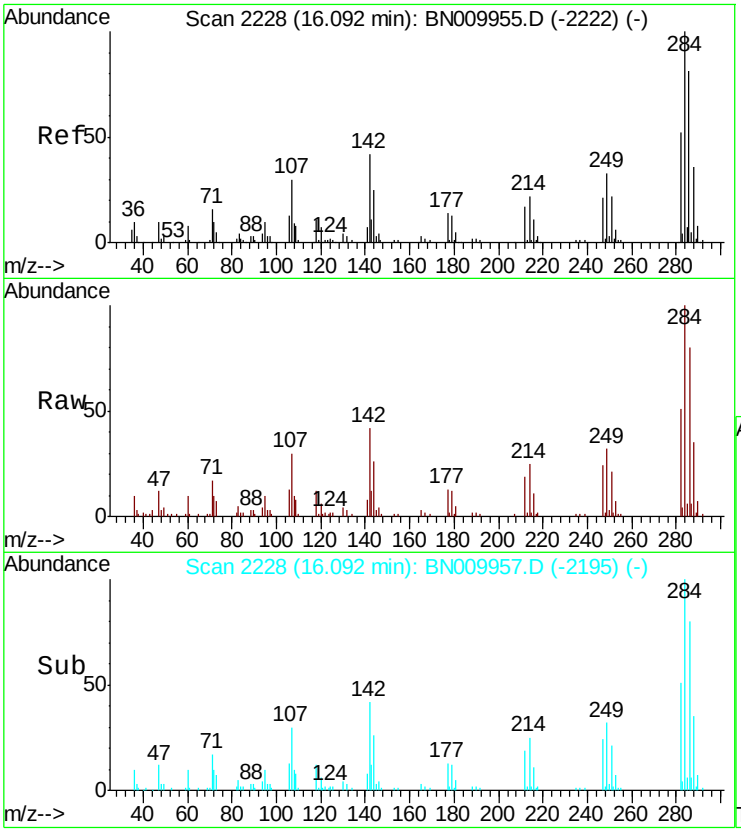


#59
Fluorene
Concen: 33.208 ng/ul
RT: 15.08 min Scan# 2056
Delta R.T. -0.01 min
Lab File: BN009957.D
Acq: 27 Feb 2020 09:46

Tgt Ion:166 Resp: 621362

Ion	Ratio	Lower	Upper
166	100		
165	100.8	79.8	119.8
167	12.6	10.7	16.1



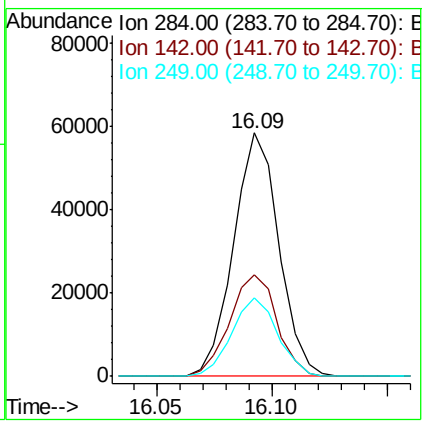


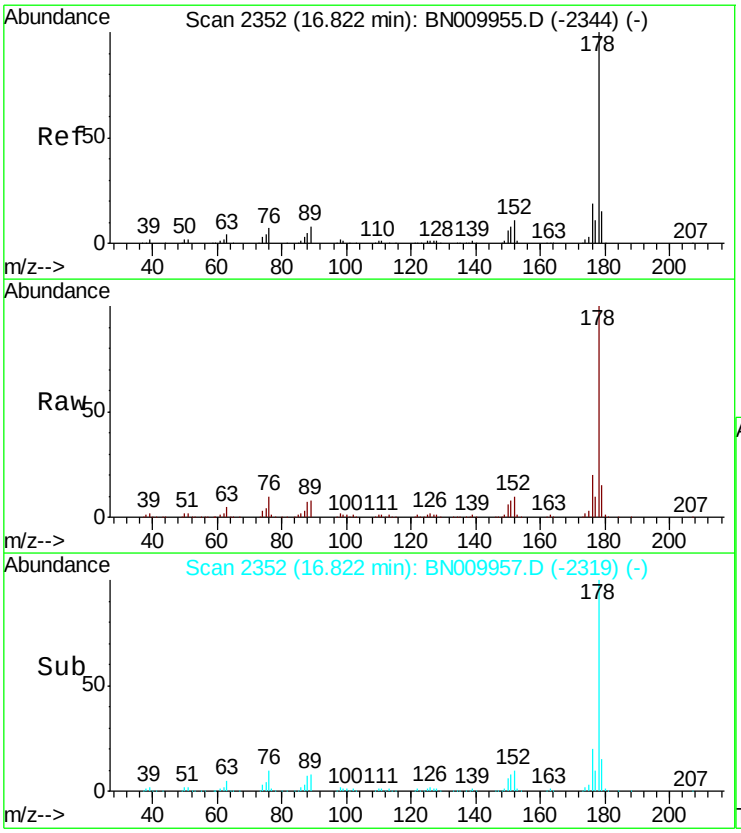
#67
Hexachlorobenzene
Concen: 13.298 ng/ul
RT: 16.09 min Scan# 2228
Delta R.T. -0.01 min
Lab File: BN009957.D
Acq: 27 Feb 2020 09:46

Instrument :
BNA_N
ClientSampleId :
DBCY0

Tgt Ion:284 Resp: 80019

Ion	Ratio	Lower	Upper
284	100		
142	41.6	34.4	51.6
249	32.2	29.7	44.5

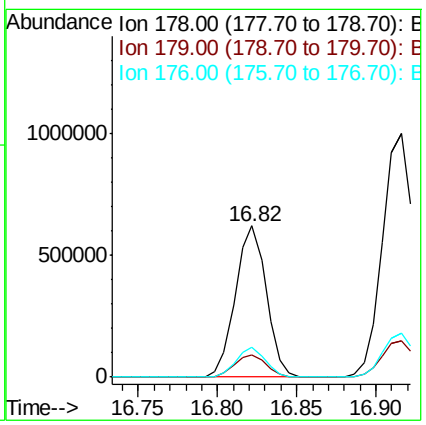


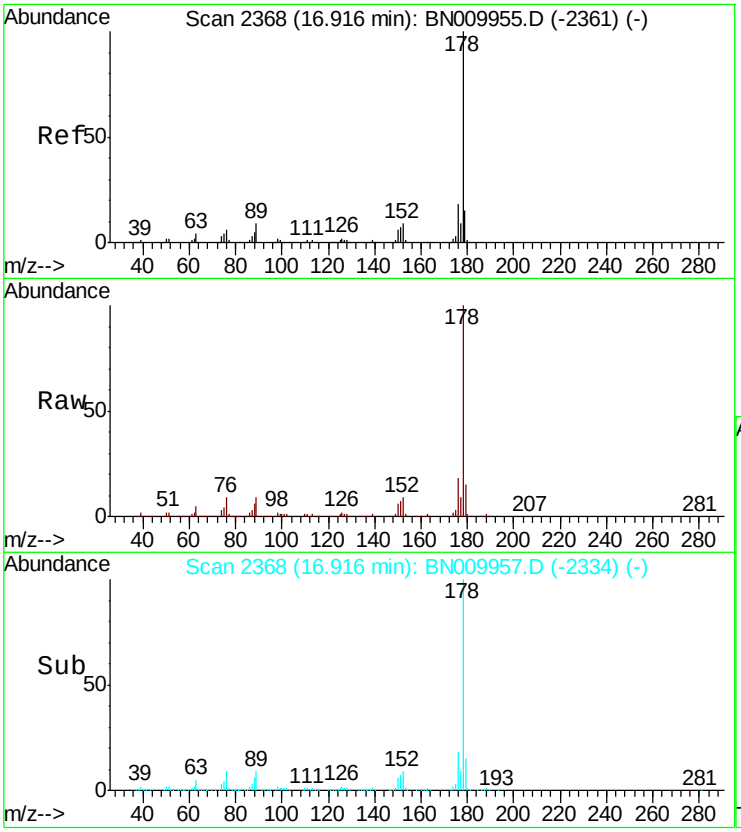


#70
Phenanthrene
Concen: 27.012 ng/ul
RT: 16.82 min Scan# 2352
Delta R.T. -0.01 min
Lab File: BN009957.D
Acq: 27 Feb 2020 09:46

Tgt Ion:178 Resp: 837786

Ion	Ratio	Lower	Upper
178	100		
179	14.8	12.5	18.7
176	19.9	14.6	22.0



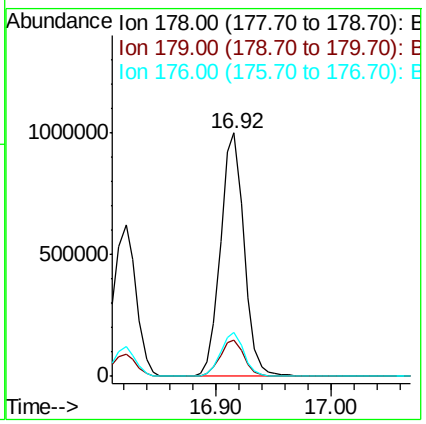


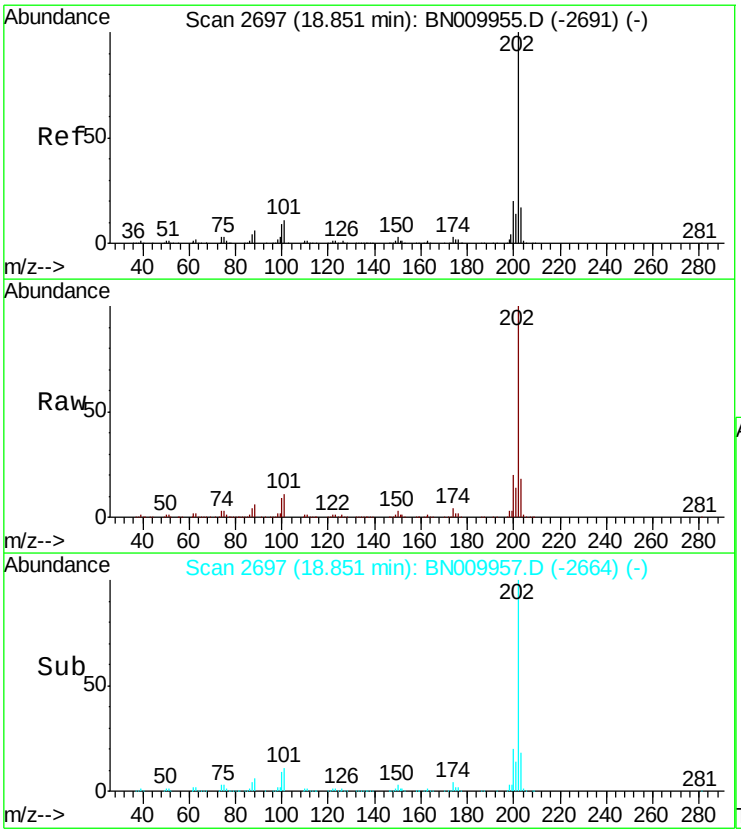
#72
Anthracene
Concen: 44.359 ng/ul
RT: 16.92 min Scan# 2368
Delta R.T. 0.00 min
Lab File: BN009957.D
Acq: 27 Feb 2020 09:46

Instrument :
BNA_N
ClientSampleId :
DBCY0

Tgt Ion:178 Resp: 1406447

Ion	Ratio	Lower	Upper
178	100		
179	15.0	12.2	18.2
176	17.8	14.6	21.8

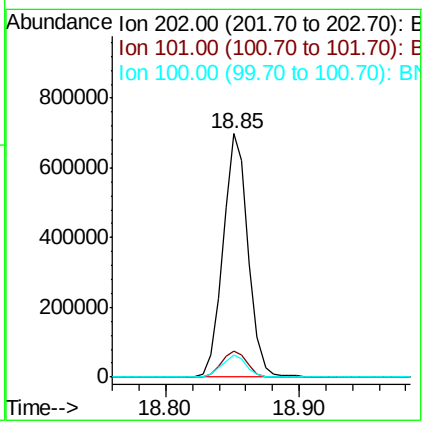


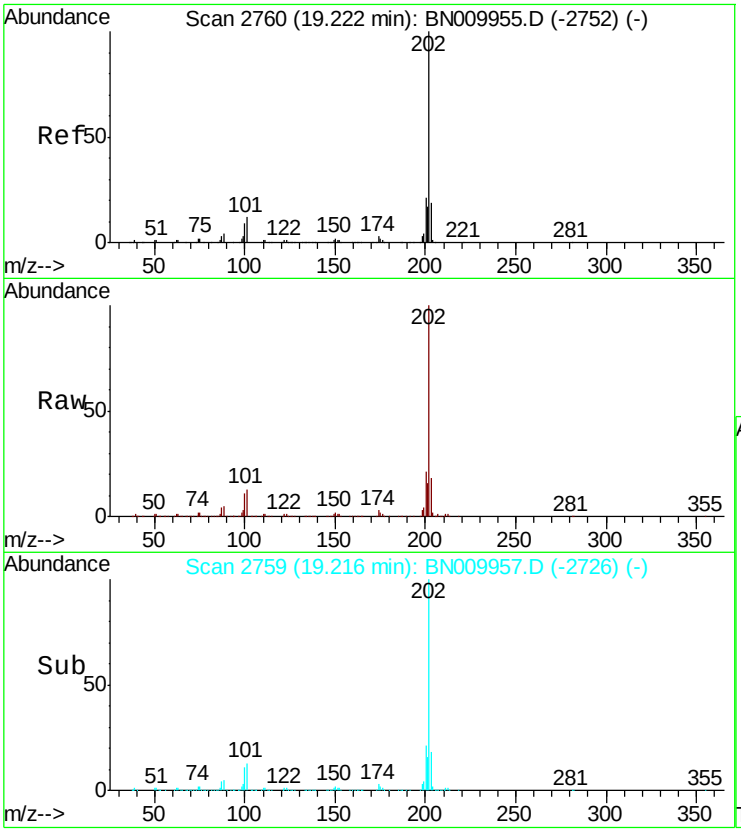


#77
Fluoranthene
Concen: 25.265 ng/ul
RT: 18.85 min Scan# 2697
Delta R.T. -0.01 min
Lab File: BN009957.D
Acq: 27 Feb 2020 09:46

Tgt Ion:202 Resp: 917873

Ion	Ratio	Lower	Upper
202	100		
101	10.9	9.4	14.2
100	9.0	7.2	10.8



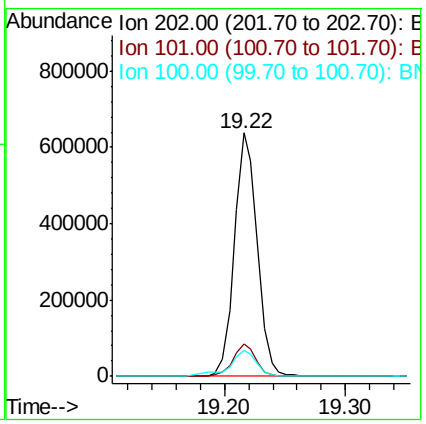


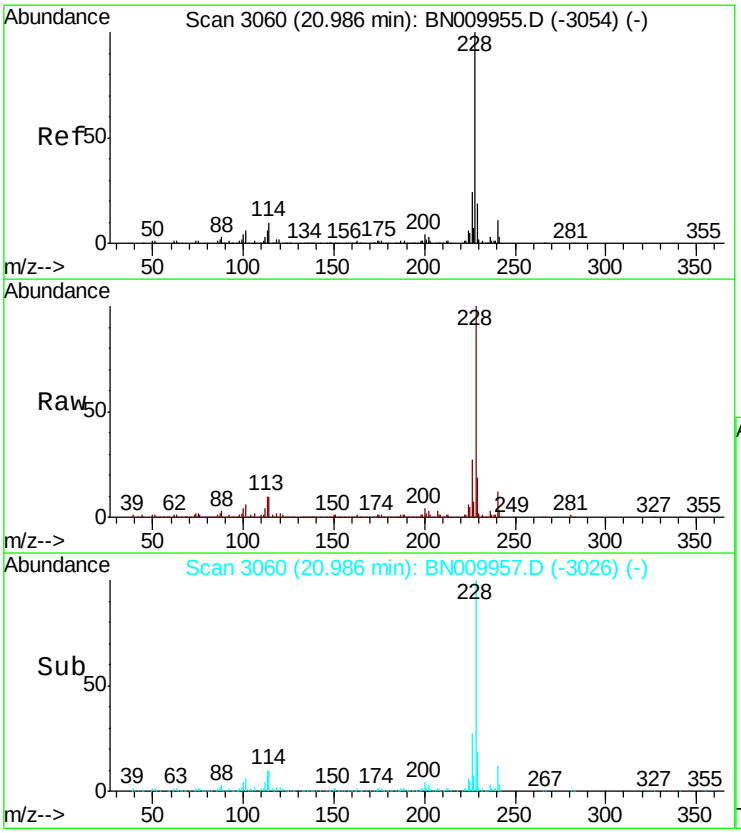
#80
Pyrene
Concen: 22.947 ng/ul
RT: 19.22 min Scan# 2759
Delta R.T. -0.01 min
Lab File: BN009957.D
Acq: 27 Feb 2020 09:46

Instrument :
BNA_N
ClientSampleId :
DBCY0

Tgt Ion:202 Resp: 839937

Ion	Ratio	Lower	Upper
202	100		
101	13.3	11.3	16.9
100	10.9	9.0	13.6

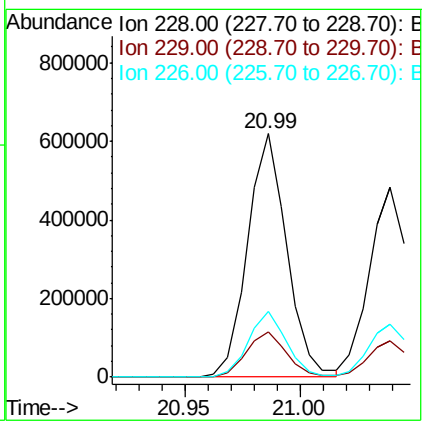


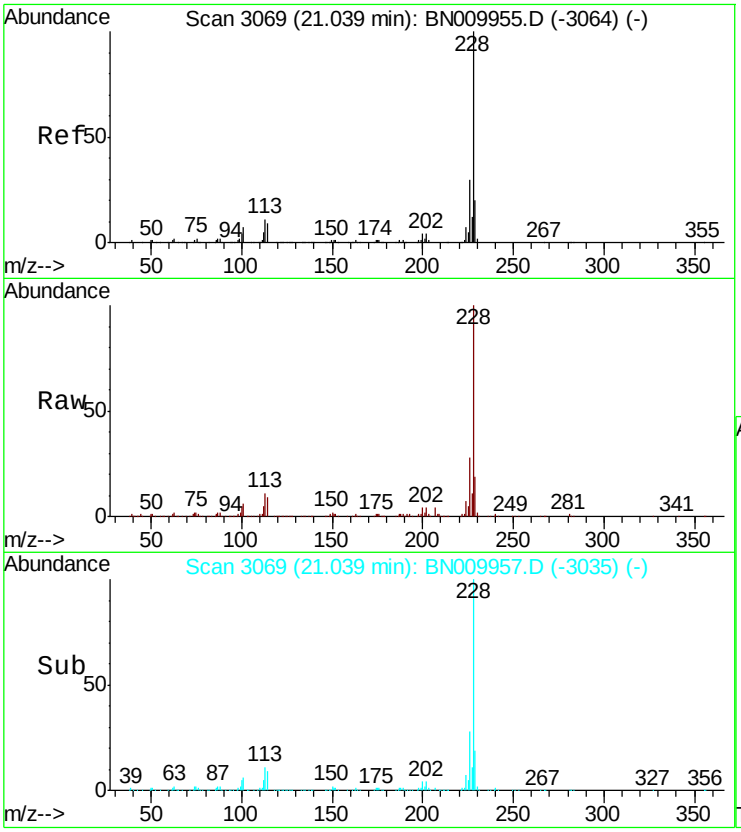


#83
Benzo(a)anthracene
Concen: 21.033 ng/ul
RT: 20.99 min Scan# 3060
Delta R.T. 0.00 min
Lab File: BN009957.D
Acq: 27 Feb 2020 09:46

Tgt Ion:228 Resp: 733826

Ion	Ratio	Lower	Upper
228	100		
229	18.8	15.0	22.4
226	26.8	21.4	32.2



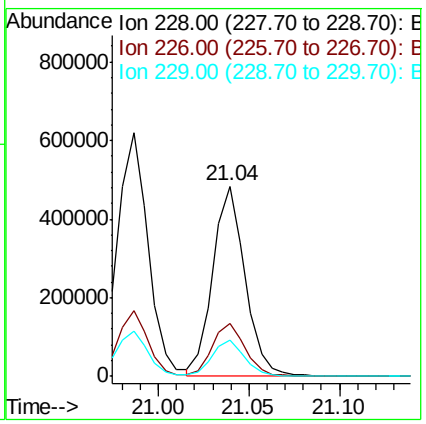


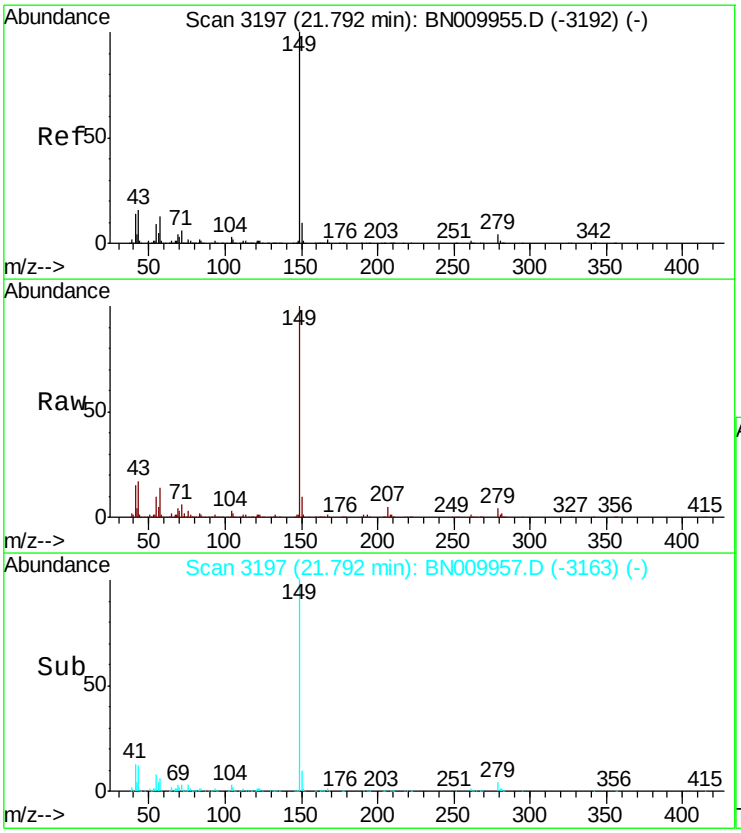
#85
Chrysene
Concen: 17.445 ng/ul
RT: 21.04 min Scan# 3069
Delta R.T. 0.00 min
Lab File: BN009957.D
Acq: 27 Feb 2020 09:46

Instrument :
BNA_N
ClientSampleId :
DBCY0

Tgt Ion:228 Resp: 599222

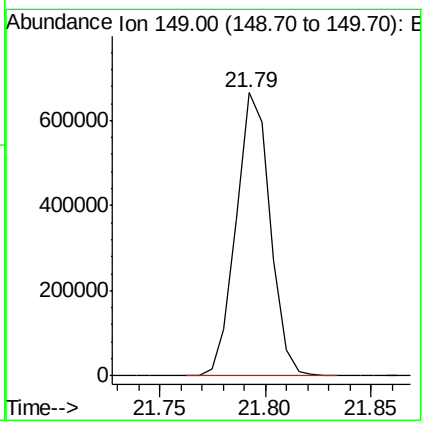
Ion	Ratio	Lower	Upper
228	100		
226	27.8	23.4	35.2
229	19.2	15.0	22.4

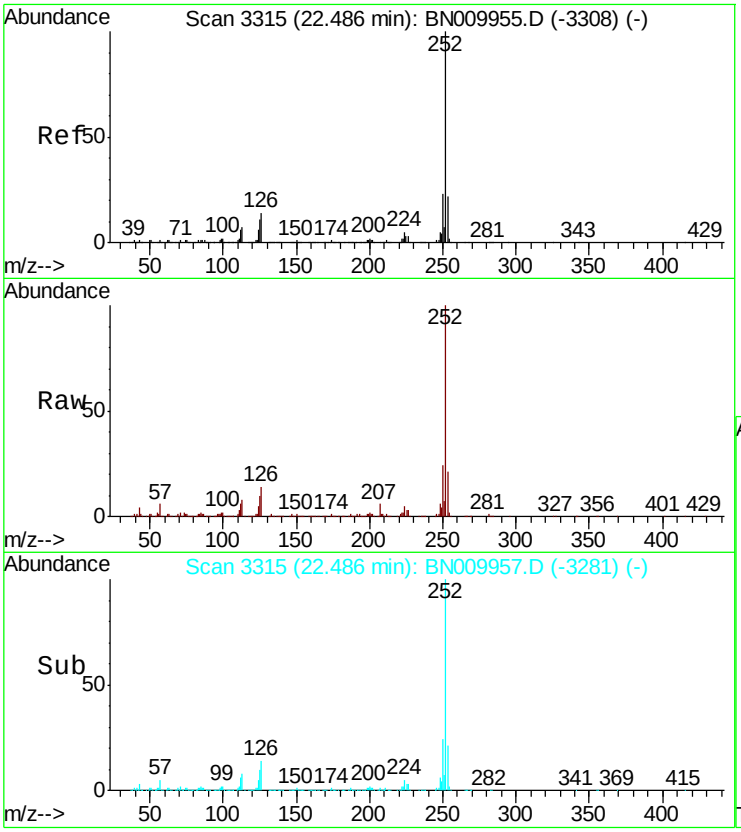




#87
Di-n-octyl phthalate
Concen: 17.649 ng/ul
RT: 21.79 min Scan# 3197
Delta R.T. 0.00 min
Lab File: BN009957.D
Acq: 27 Feb 2020 09:46

Tgt Ion:149 Resp: 739408



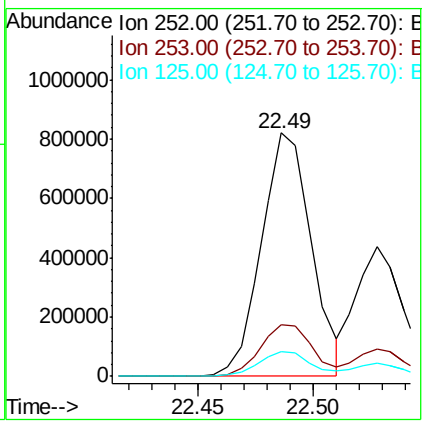


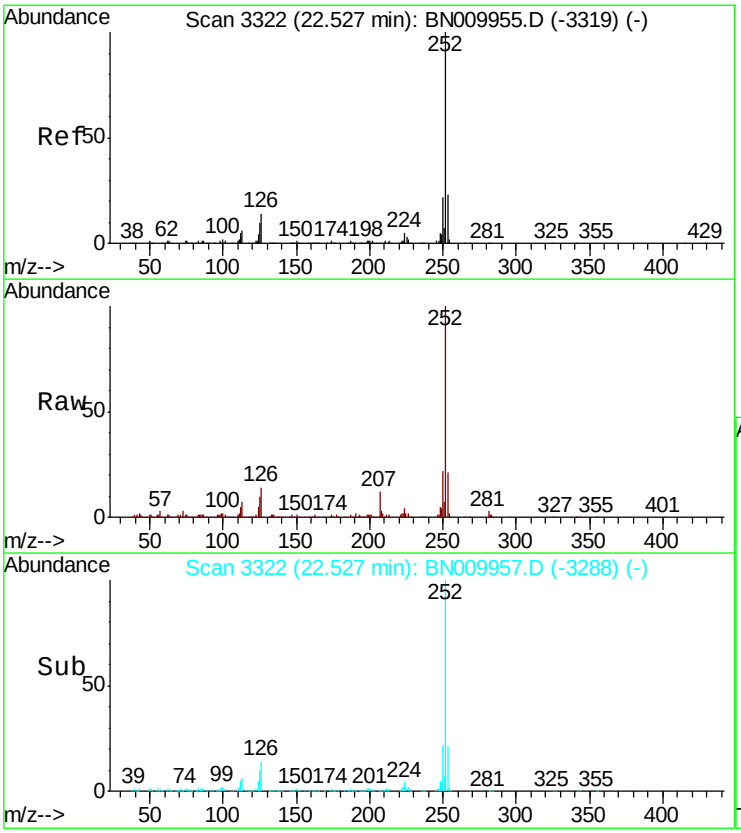
#88
Benzo(b)fluoranthene
Concen: 34.405 ng/ul
RT: 22.49 min Scan# 3315
Delta R.T. 0.00 min
Lab File: BN009957.D
Acq: 27 Feb 2020 09:46

Instrument :
BNA_N
ClientSampleId :
DBCY0

Tgt Ion:252 Resp: 1234776

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.0	25.4
125	10.4	8.0	12.0

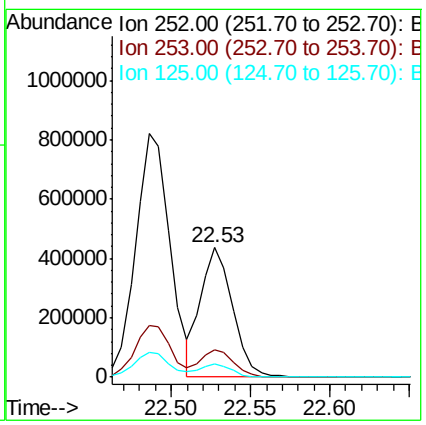


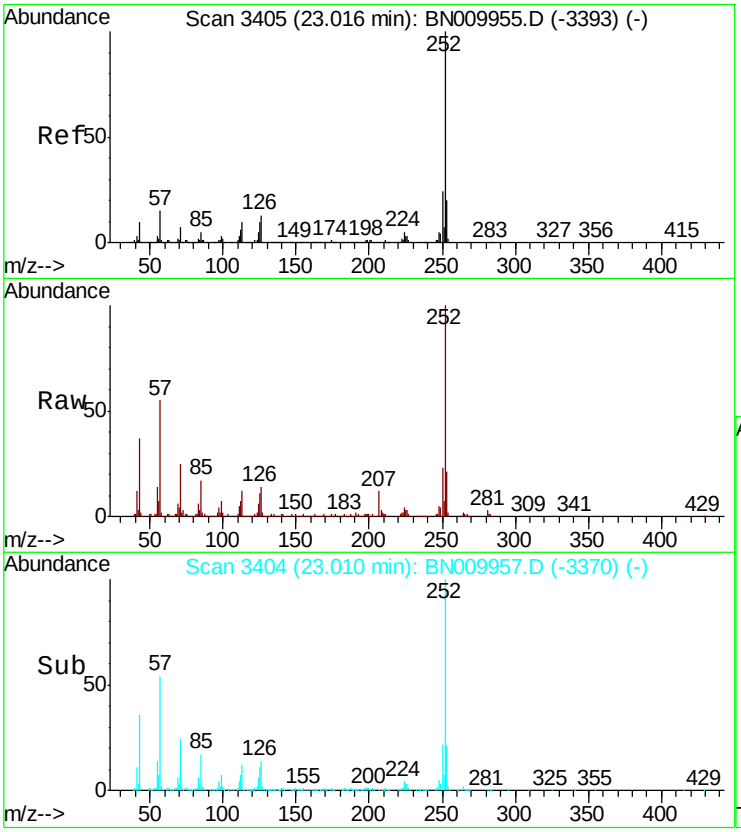


#89
Benzo(k)fluoranthene
Concen: 17.995 ng/ul
RT: 22.53 min Scan# 3322
Delta R.T. 0.00 min
Lab File: BN009957.D
Acq: 27 Feb 2020 09:46

Tgt Ion:252 Resp: 611510

Ion	Ratio	Lower	Upper
252	100		
253	21.2	18.0	27.0
125	9.8	8.2	12.2



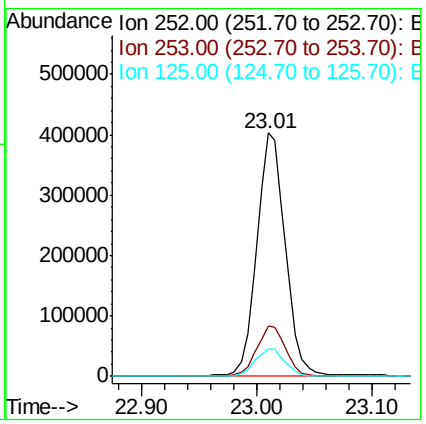


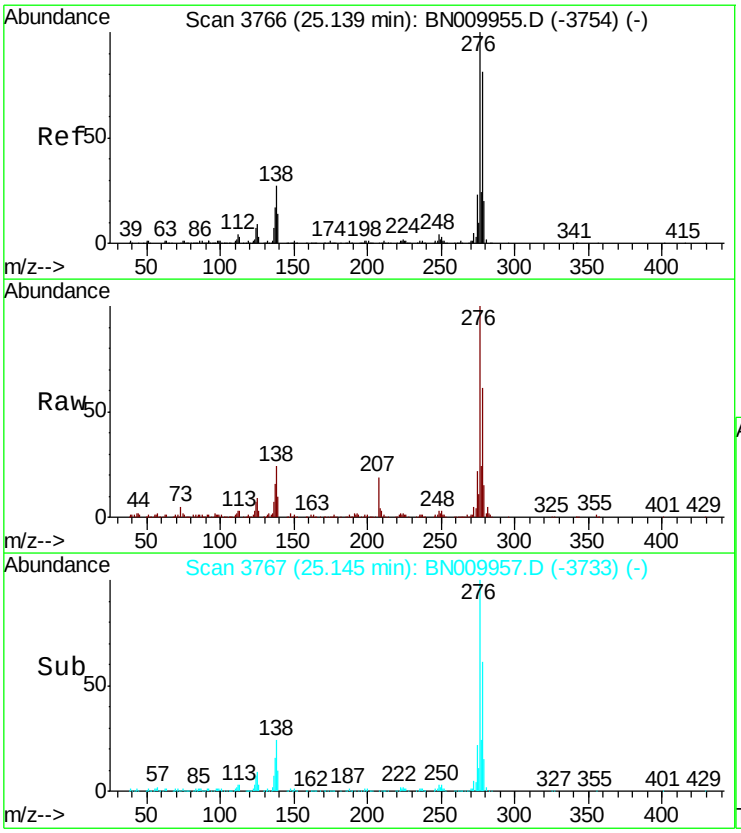
#91
Benzo(a)pyrene
Concen: 21.352 ng/ul
RT: 23.01 min Scan# 3404
Delta R.T. 0.00 min
Lab File: BN009957.D
Acq: 27 Feb 2020 09:46

Instrument :
BNA_N
ClientSampleId :
DBCY0

Tgt Ion:252 Resp: 689214

Ion	Ratio	Lower	Upper
252	100		
253	20.7	17.4	26.0
125	11.1	9.0	13.6

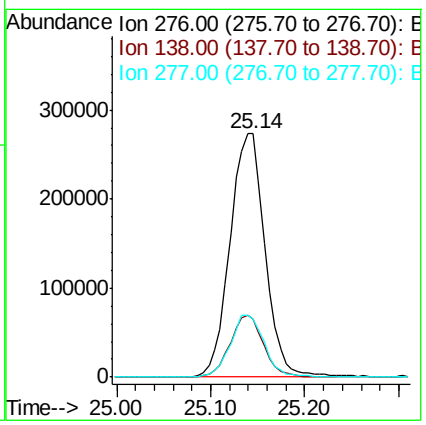


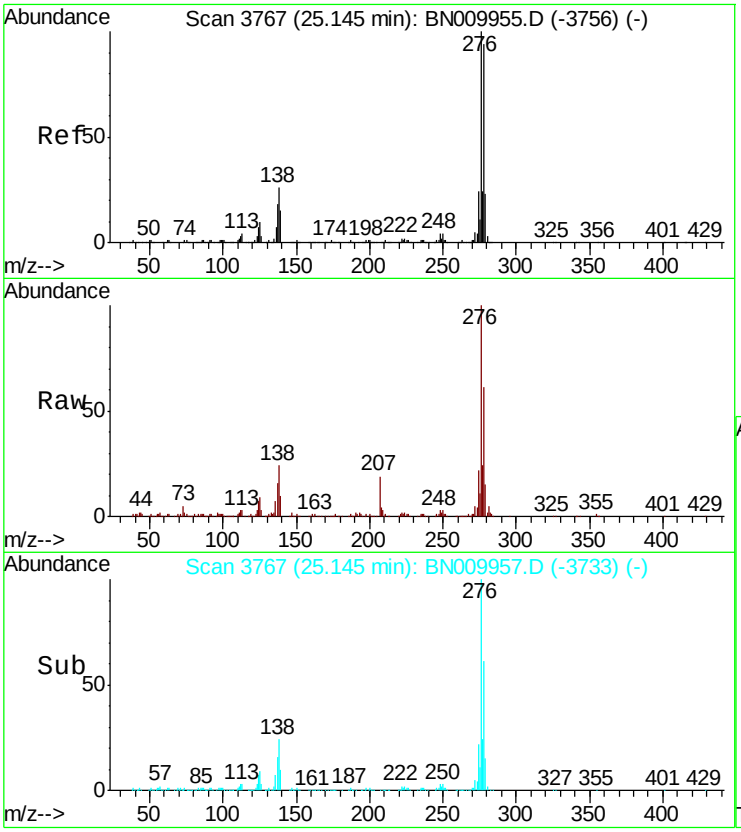


#92
Indeno(1,2,3-cd)pyrene
Concen: 18.418 ng/ul
RT: 25.14 min Scan# 3767
Delta R.T. 0.00 min
Lab File: BN009957.D
Acq: 27 Feb 2020 09:46

Tgt Ion:276 Resp: 705833

Ion	Ratio	Lower	Upper
276	100		
138	23.8	20.9	31.3
277	23.7	18.2	27.4



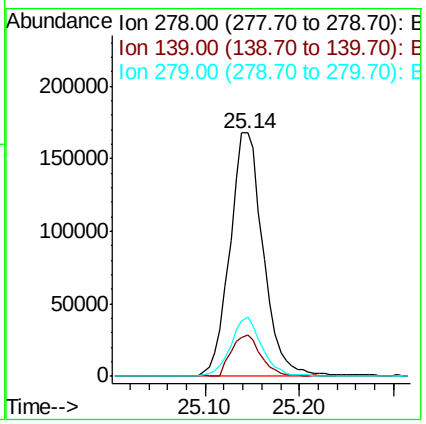


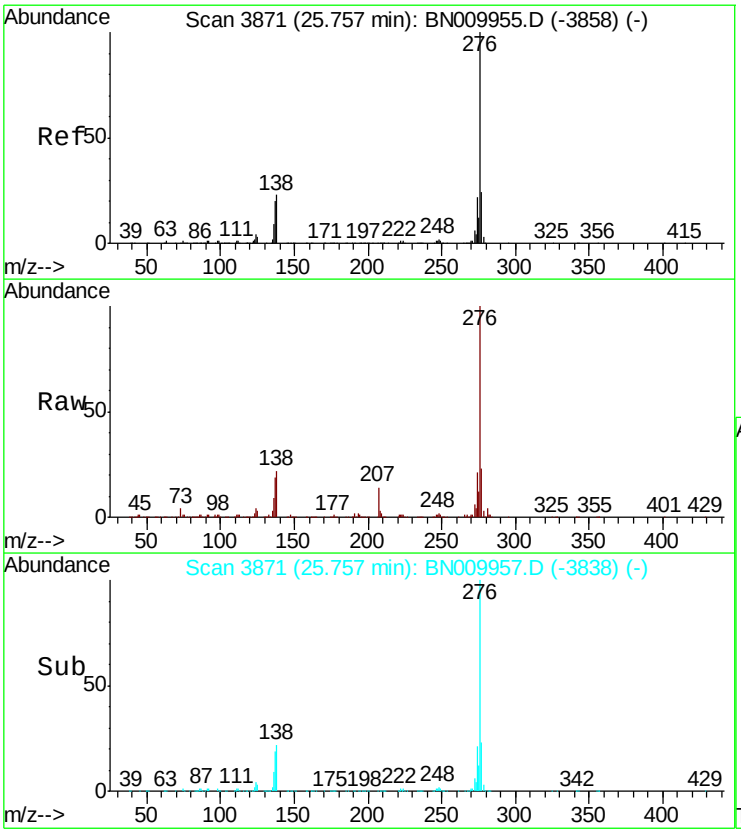
#93
Dibenzo(a,h)anthracene
Concen: 12.622 ng/ul
RT: 25.14 min Scan# 3767
Delta R.T. 0.00 min
Lab File: BN009957.D
Acq: 27 Feb 2020 09:46

Instrument :
BNA_N
ClientSampleId :
DBCY0

Tgt Ion:278 Resp: 413812

Ion	Ratio	Lower	Upper
278	100		
139	17.1	13.0	19.4
279	24.3	17.5	26.3





#94
Benzo(g,h,i)perylene
Concen: 30.642 ng/ul
RT: 25.76 min Scan# 3871
Delta R.T. -0.01 min
Lab File: BN009957.D
Acq: 27 Feb 2020 09:46

Tgt Ion:276 Resp: 984662

Ion	Ratio	Lower	Upper
276	100		
138	22.1	17.5	26.3
277	23.5	18.1	27.1