Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN070918\
Data File : BN001995.D
Acq On : 09 Jul 2018 13:02
Operator : JU/SJ
Sample : J3775-01
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument : BNA_N
ClientSampleId : DAZP0

Quant Time: Jul 10 12:57:25 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\SOM-EPA-BN061918.M
Quant Title : SVOA CALIBRATION
QLast Update : Mon Jul 09 18:38:31 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	468057	20.00	ng/ul	0.00
18) Naphthalene-d8	10.48	136	2217779	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.33	164	1358518	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.08	188	3143408	20.00	ng/ul	0.00
75) Chrysene-d12	21.29	240	3448275	20.00	ng/ul	-0.01
83) Perylene-d12	23.52	264	3744170	20.00	ng/ul	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.26	96	33834	3.14	ng/uL	0.00
5) Phenol-d5	6.88	99	925310	21.85	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.05	67	568685	21.76	ng/ul	0.00
9) 2-Chlorophenol-d4	7.24	132	719462	21.42	ng/ul	0.00
13) 4-Methylphenol-d8	8.41	113	705088	20.78	ng/ul	0.00
19) Nitrobenzene-d5	8.85	128	379207	23.02	ng/ul	0.00
22) 2-Nitrophenol-d4	9.57	143	427174	25.06	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	776473	21.34	ng/ul	0.00
29) 4-Chloroaniline-d4	10.62	131	1030329	27.35	ng/ul	0.00
43) Dimethylphthalate-d6	13.75	166	3338510	29.10	ng/ul	0.00
46) Acenaphthylene-d8	14.03	160	3510962	24.79	ng/ul	0.00
51) 4-Nitrophenol-d4	14.55	143	702810	33.26	ng/ul	0.00
57) Fluorene-d10	15.33	176	2799328	27.84	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	648828	37.89	ng/ul	0.00
70) Anthracene-d10	17.18	188	4902285	32.28	ng/ul	0.00
76) Pyrene-d10	19.48	212	5613016	32.29	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.38	264	6742683	33.12	ng/ul	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	3.30	88	75384	6.789	ng/uL#	73
12) 2,2'-oxybis(1-Chloropropan	8.23	45	791897	15.245	ng/ul	94
20) Nitrobenzene	8.89	77	667644	16.514	ng/ul	94
23) 2-Nitrophenol	9.60	139	428518	23.071	ng/ul	94
25) Bis(2-Chloroethoxy)methane	9.90	93	634176	12.680	ng/ul	98
27) 2,4-Dichlorophenol	10.13	162	517286	14.632	ng/ul	97
28) Naphthalene	10.53	128	1084256	9.213	ng/ul	99
33) 4-Chloro-3-methylphenol	11.77	107	1942766	49.853	ng/ul	95
34) 2-Methylnaphthalene	12.15	142	1933534	22.650	ng/ul	99
37) Hexachlorocyclopentadiene	12.50	237	578573	21.506	ng/ul#	96
38) 2,4,6-Trichlorophenol	12.76	196	457104	15.883	ng/ul	98
41) 2-Chloronaphthalene	13.20	162	1504665	17.082	ng/ul	99
45) 2,6-Dinitrotoluene	13.92	165	288024	13.529	ng/ul	97
47) Acenaphthylene	14.06	152	1926121	14.090	ng/ul	99
49) Acenaphthene	14.40	153	1133843	11.956	ng/ul	98
54) 2,4-Dinitrotoluene	14.70	165	1113579	35.179	ng/ul	92
55) 2,3,4,6-Tetrachlorophenol	14.96	232	1023698	37.850	ng/ul#	84
58) Fluorene	15.39	166	1353596	12.471	ng/ul	99
59) 4-Chlorophenyl-phenylether	15.39	204	1086136	19.974	ng/ul	93
63) 4,6-Dinitro-2-methylphenol	15.47	198	2131548	117.291	ng/ul#	98
65) 4-Bromophenyl-phenylether	16.28	248	901841	26.412	ng/ul	96
66) Hexachlorobenzene	16.39	284	1075711	27.972	ng/ul#	91
69) Phenanthrene	17.13	178	2699330	15.244	ng/ul	99

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Misc :
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Quant Title : SVOA CALIBRATION
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) Anthracene	17.22	178	3178969	17.736	ng/ul	98
74) Fluoranthene	19.15	202	7653292	41.118	ng/ul#	87
77) Pyrene	19.51	202	3314912	15.362	ng/ul#	86
80) Benzo(a)anthracene	21.27	228	3335412	15.305	ng/ul	100
82) Chrysene	21.32	228	3092614	15.252	ng/ul	100
85) Benzo(b)fluoranthene	22.86	252	10155978	42.946	ng/ul#	94
86) Benzo(k)fluoranthene	22.90	252	3265738	14.241	ng/ul#	95
88) Benzo(a)pyrene	23.43	252	2624109	11.875	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	25.76	276	4286689	18.230	ng/ul#	86
90) Dibenzo(a,h)anthracene	25.77	278	4265347	21.795	ng/ul#	95
91) Benzo(g,h,i)perylene	26.44	276	3841782	19.806	ng/ul#	92

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

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Quant Title : SVOA CALIBRATION
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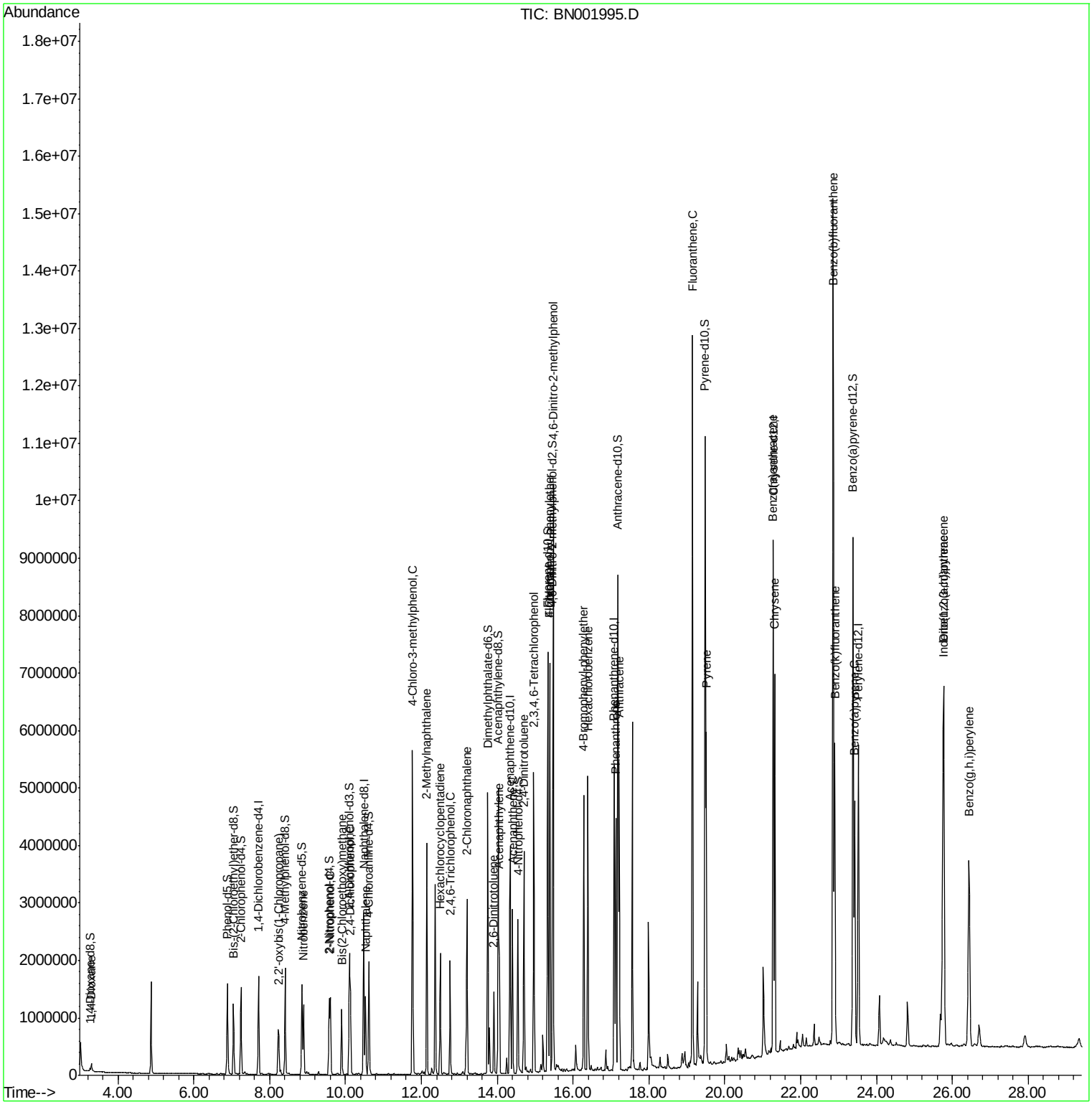
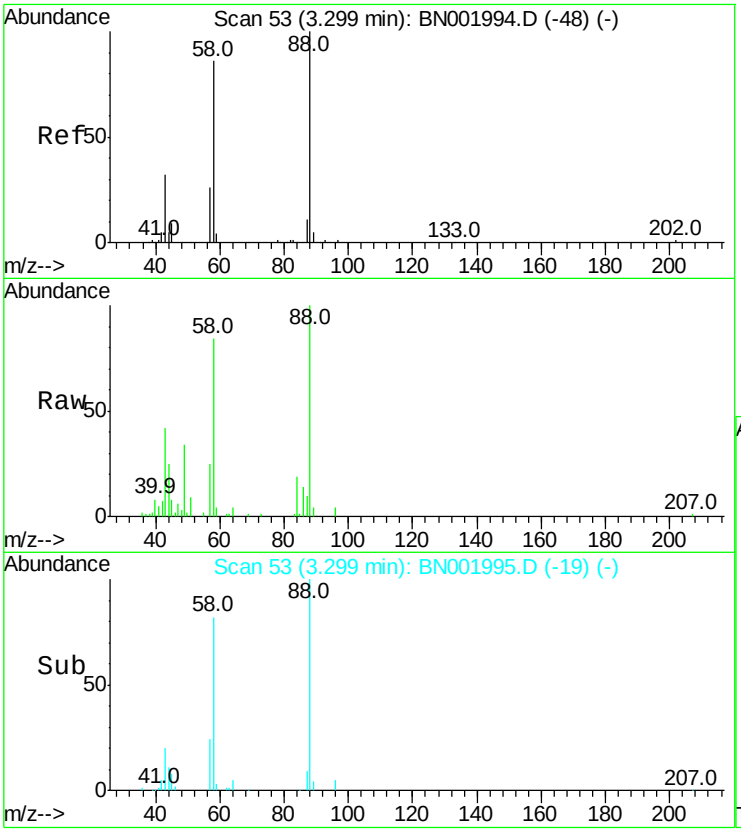


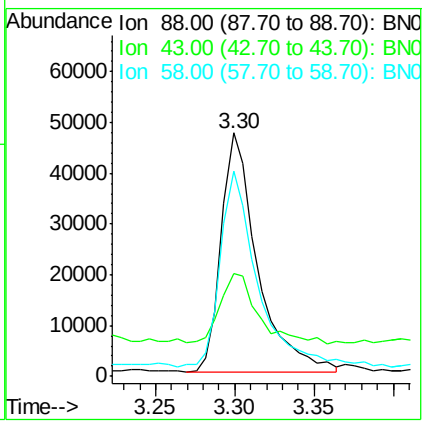


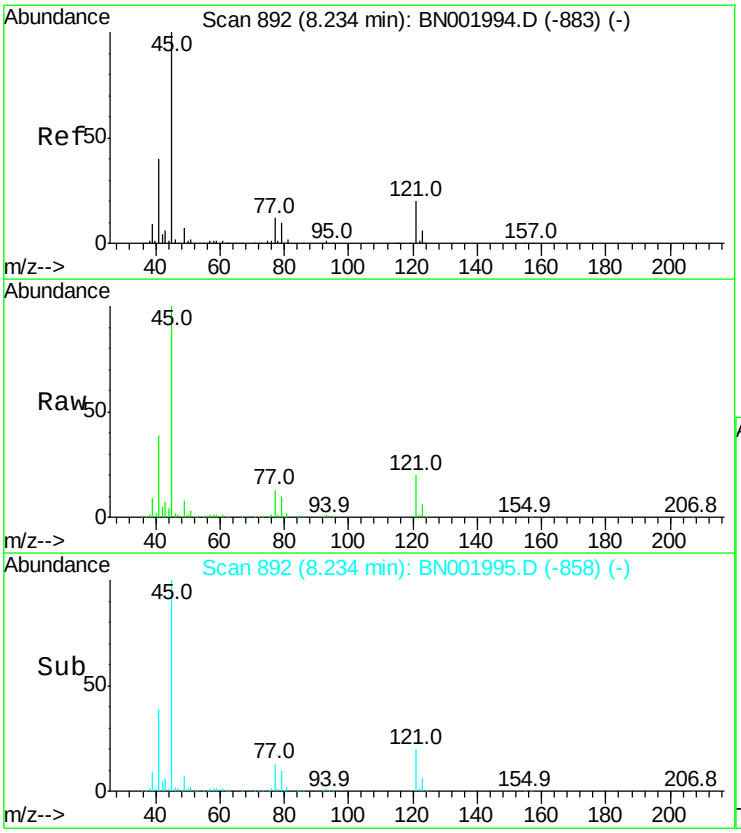
#2
1,4-Dioxane
Concen: 6.789 ng/uL
RT: 3.30 min Scan# 53
Delta R.T. 0.00 min
Lab File: BN001995.D
Acq: 09 Jul 2018 13:02

Instrument : BNA_N
ClientSampleId : DAZP0

Tgt Ion: 88 Resp: 75384

Ion	Ratio	Lower	Upper
88	100		
43	42.4	29.0	43.4
58	84.4	45.9	68.9#

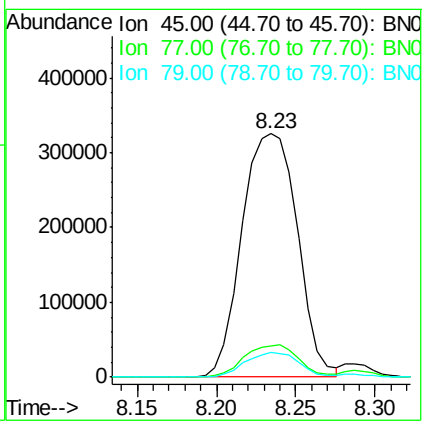


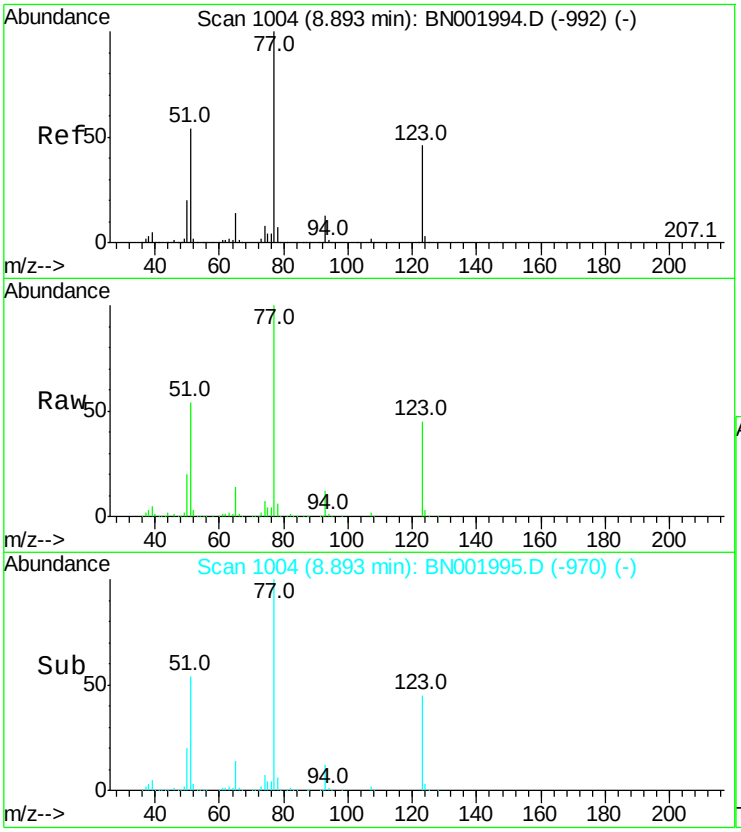


#12
2,2'-oxybis(1-Chloropropane)
Concen: 15.245 ng/ul
RT: 8.23 min Scan# 892
Delta R.T. 0.00 min
Lab File: BN001995.D
Acq: 09 Jul 2018 13:02

Tgt Ion: 45 Resp: 791897

Ion	Ratio	Lower	Upper
45	100		
77	12.9	12.5	18.7
79	10.0	9.4	14.2



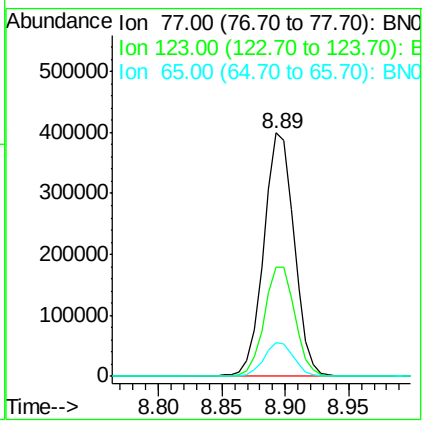


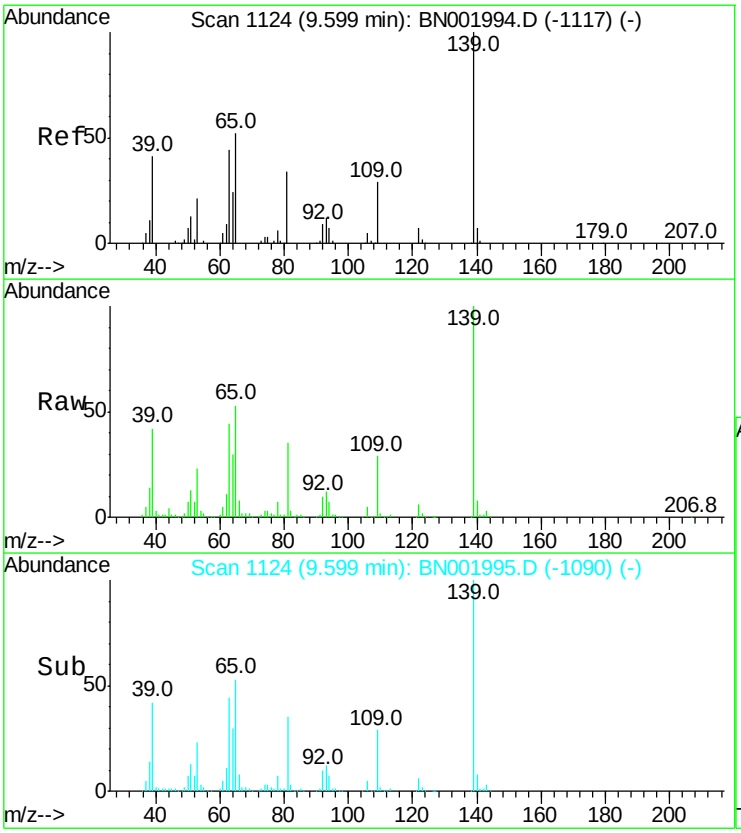
#20
Nitrobenzene
Concen: 16.514 ng/ul
RT: 8.89 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BN001995.D
Acq: 09 Jul 2018 13:02

Instrument :
BNA_N
ClientSampleId :
DAZP0

Tgt Ion: 77 Resp: 667644

Ion	Ratio	Lower	Upper
77	100		
123	44.9	31.8	47.8
65	13.8	10.6	16.0

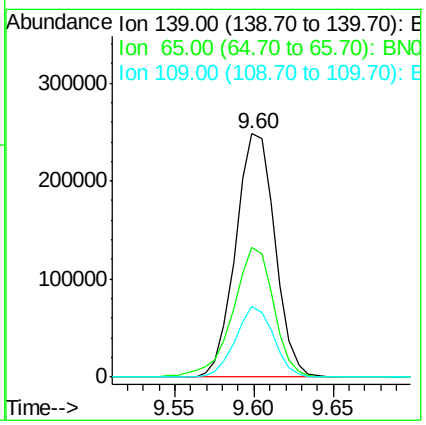


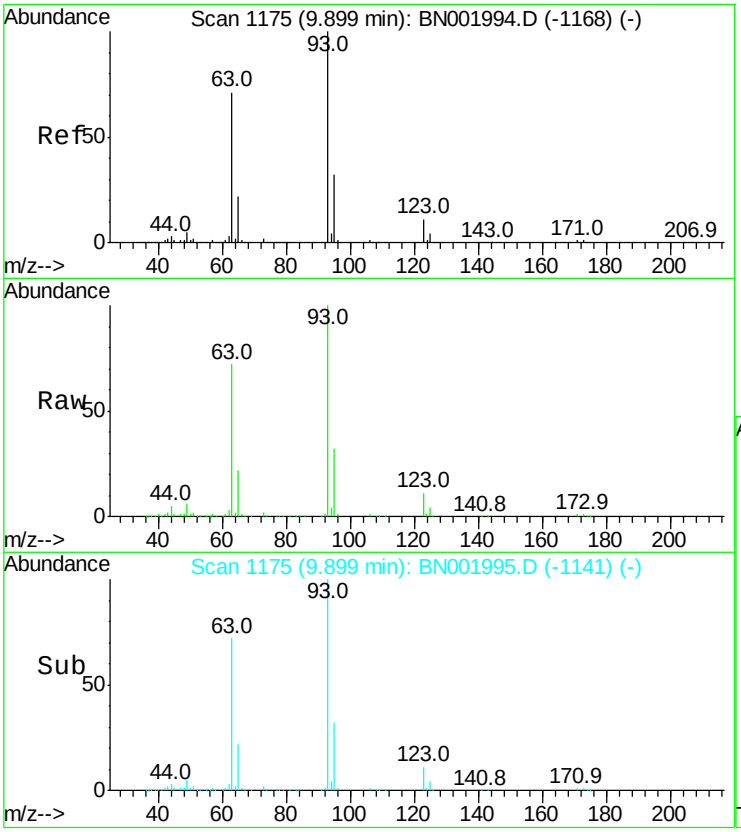


#23
2-Nitrophenol
Concen: 23.071 ng/ul
RT: 9.60 min Scan# 1124
Delta R.T. 0.00 min
Lab File: BN001995.D
Acq: 09 Jul 2018 13:02

Tgt Ion:139 Resp: 428518

Ion	Ratio	Lower	Upper
139	100		
65	53.5	45.3	67.9
109	29.1	27.7	41.5



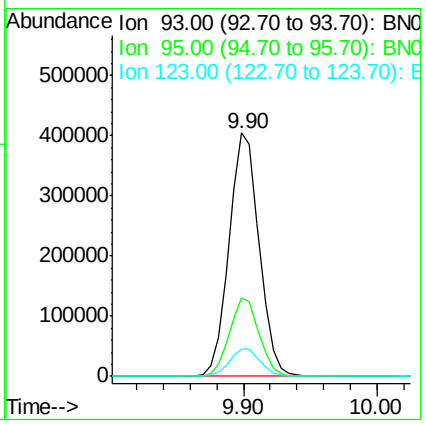


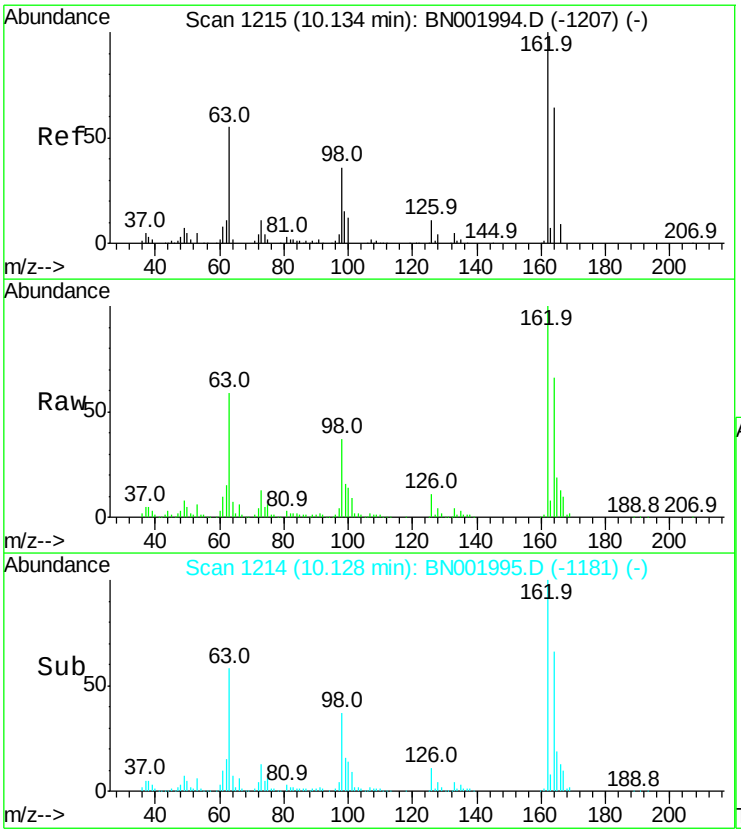
#25
Bis(2-Chloroethoxy)methane
Concen: 12.680 ng/ul
RT: 9.90 min Scan# 1175
Delta R.T. 0.00 min
Lab File: BN001995.D
Acq: 09 Jul 2018 13:02

Instrument :
BNA_N
ClientSampleId :
DAZP0

Tgt Ion: 93 Resp: 634176

Ion	Ratio	Lower	Upper
93	100		
95	32.3	24.7	37.1
123	11.0	8.2	12.2

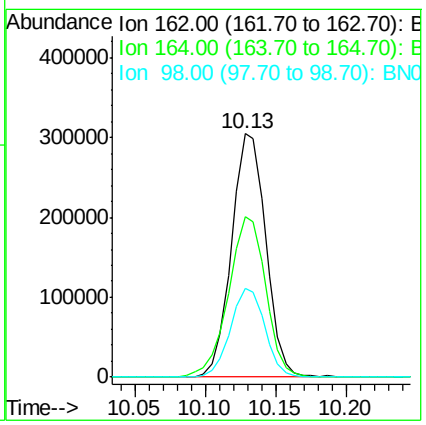


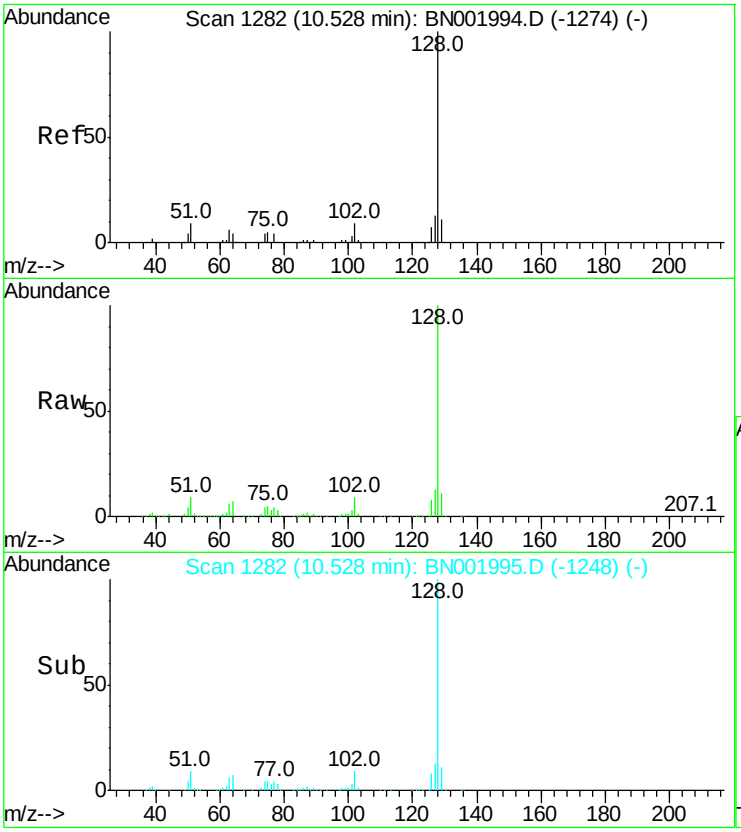


#27
2,4-Dichlorophenol
Concen: 14.632 ng/ul
RT: 10.13 min Scan# 1214
Delta R.T. -0.01 min
Lab File: BN001995.D
Acq: 09 Jul 2018 13:02

Tgt Ion:162 Resp: 517286

Ion	Ratio	Lower	Upper
162	100		
164	65.9	52.0	78.0
98	36.7	26.6	39.8



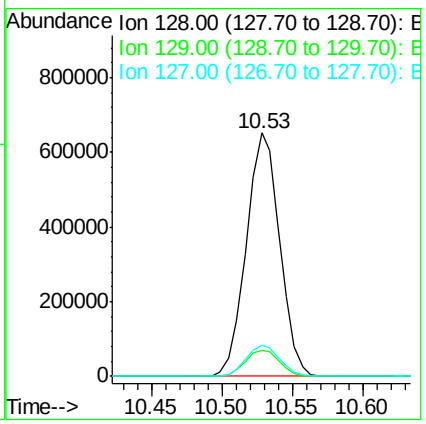


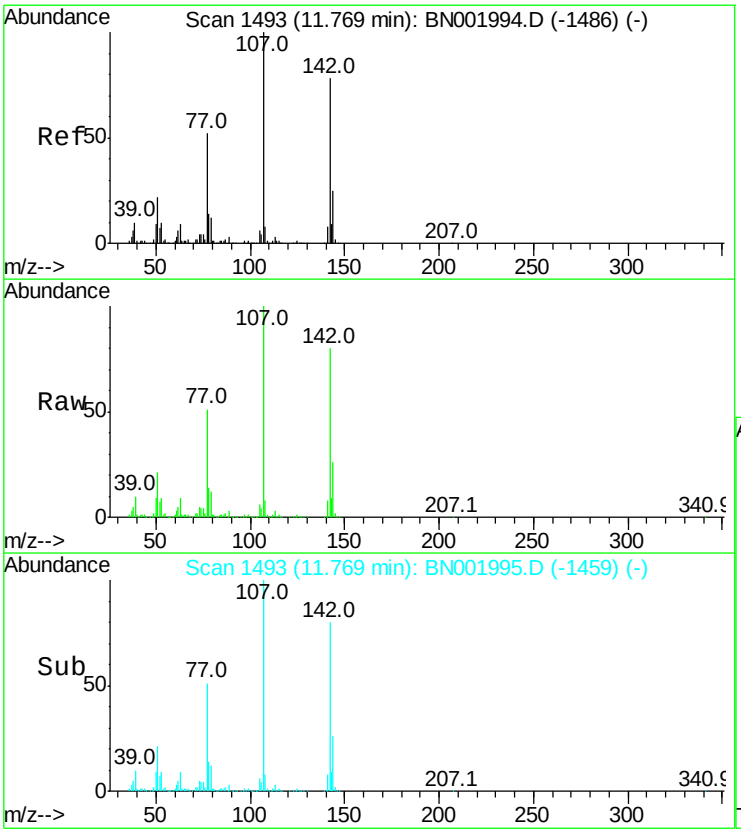
#28
Naphthalene
Concen: 9.213 ng/ul
RT: 10.53 min Scan# 1282
Delta R.T. 0.00 min
Lab File: BN001995.D
Acq: 09 Jul 2018 13:02

Instrument :
BNA_N
ClientSampleId :
DAZP0

Tgt Ion:128 Resp: 1084256

Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.3	12.5
127	13.0	10.8	16.2

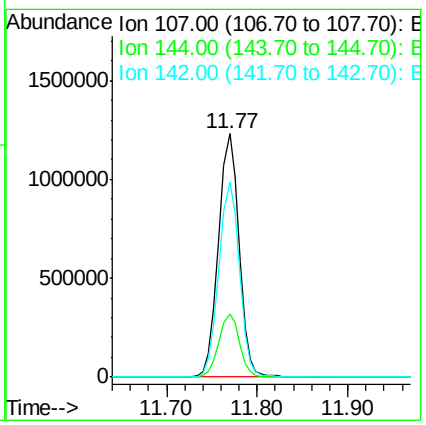


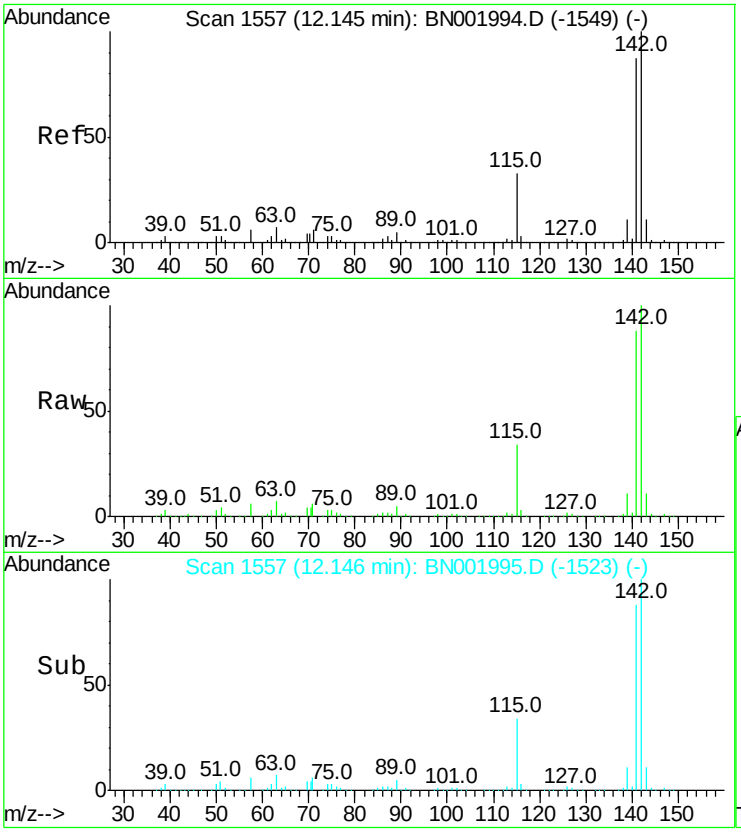


#33
4-Chloro-3-methylphenol
Concen: 49.853 ng/ul
RT: 11.77 min Scan# 1493
Delta R.T. 0.00 min
Lab File: BN001995.D
Acq: 09 Jul 2018 13:02

Tgt Ion:107 Resp: 1942766

Ion	Ratio	Lower	Upper
107	100		
144	25.8	21.1	31.7
142	80.1	60.1	90.1



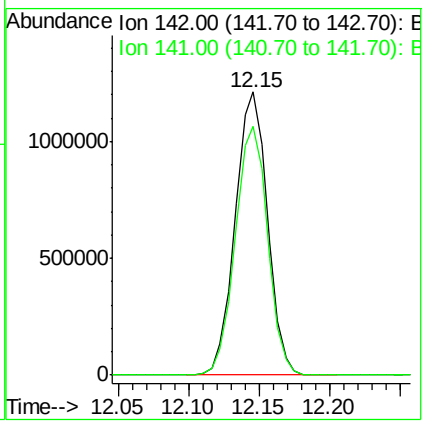


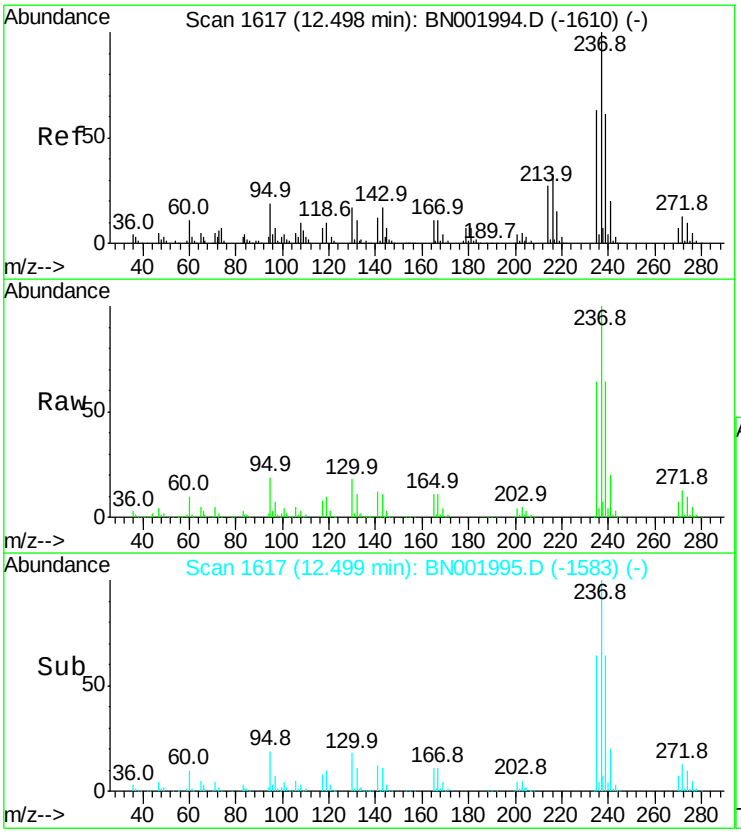
#34
2-Methylnaphthalene
Concen: 22.650 ng/ul
RT: 12.15 min Scan# 1557
Delta R.T. 0.00 min
Lab File: BN001995.D
Acq: 09 Jul 2018 13:02

Instrument :
BNA_N
ClientSampleId :
DAZP0

Tgt Ion:142 Resp: 1933534

Ion	Ratio	Lower	Upper
142	100		
141	88.0	71.4	107.2

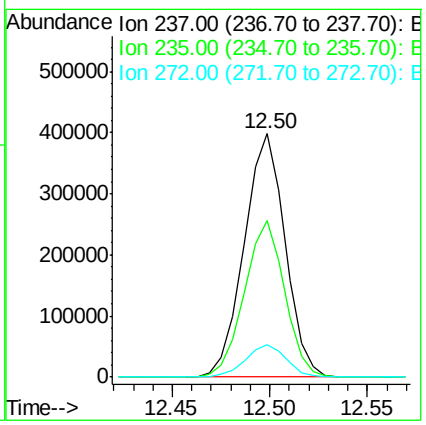


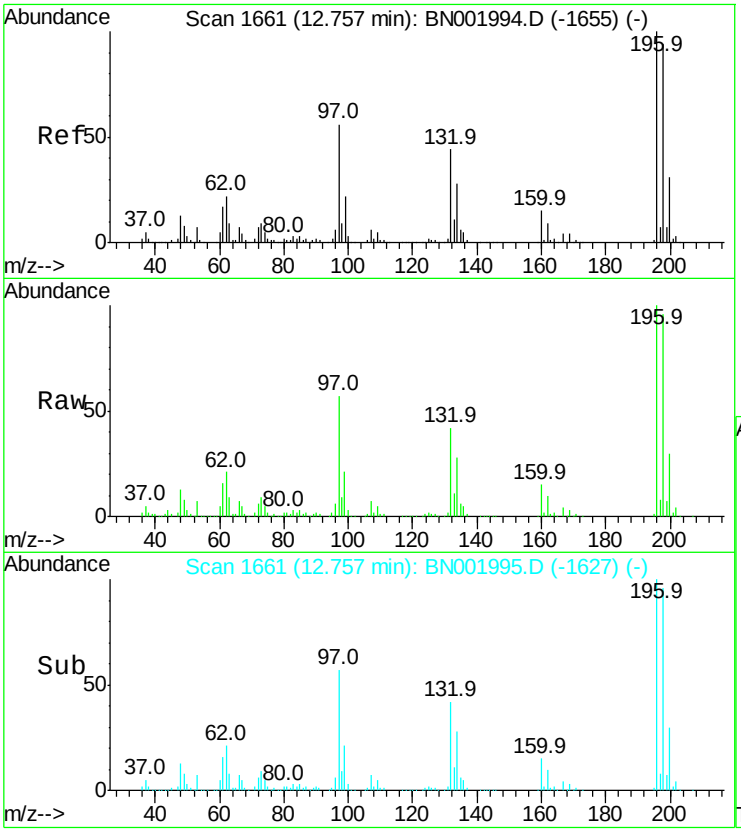


#37
Hexachlorocyclopentadiene
Concen: 21.506 ng/ul
RT: 12.50 min Scan# 1617
Delta R.T. 0.00 min
Lab File: BN001995.D
Acq: 09 Jul 2018 13:02

Tgt Ion:237 Resp: 578573

Ion	Ratio	Lower	Upper
237	100		
235	64.4	49.5	74.3
272	13.4	8.6	12.8#



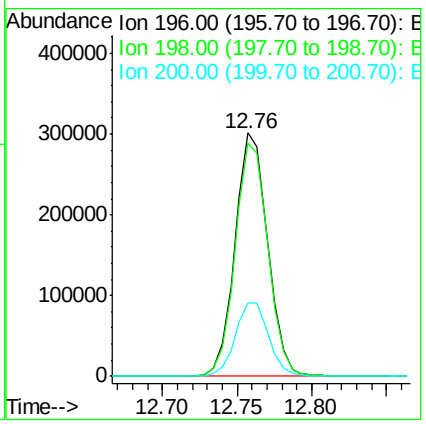


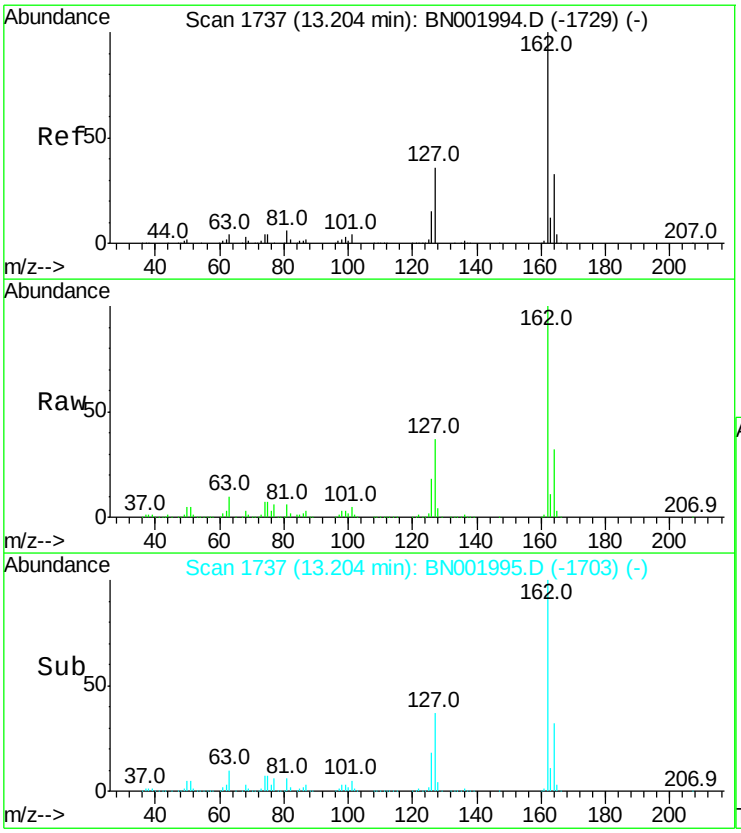
#38
2,4,6-Trichlorophenol
Concen: 15.883 ng/ul
RT: 12.76 min Scan# 1661
Delta R.T. 0.00 min
Lab File: BN001995.D
Acq: 09 Jul 2018 13:02

Instrument :
BNA_N
ClientSampleId :
DAZP0

Tgt Ion:196 Resp: 457104

Ion	Ratio	Lower	Upper
196	100		
198	96.0	75.9	113.9
200	30.2	25.8	38.6

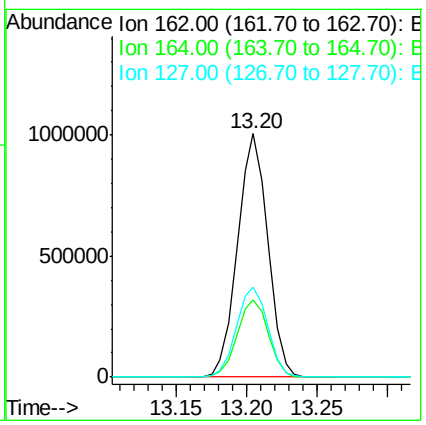


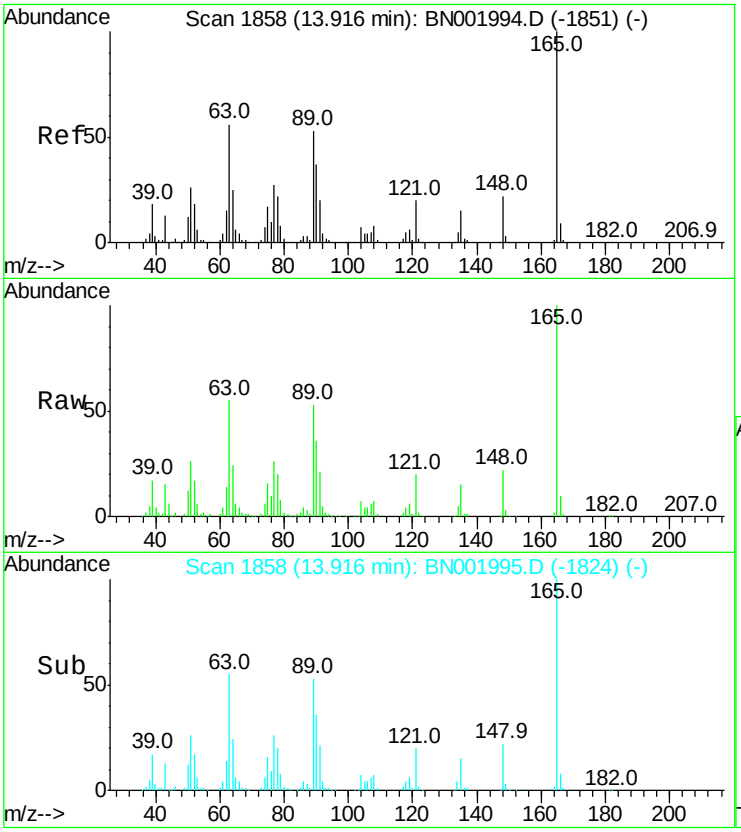


#41
2-Chloronaphthalene
Concen: 17.082 ng/ul
RT: 13.20 min Scan# 1737
Delta R.T. 0.00 min
Lab File: BN001995.D
Acq: 09 Jul 2018 13:02

Tgt Ion:162 Resp: 1504665

Ion	Ratio	Lower	Upper
162	100		
164	31.8	26.2	39.4
127	37.0	29.5	44.3



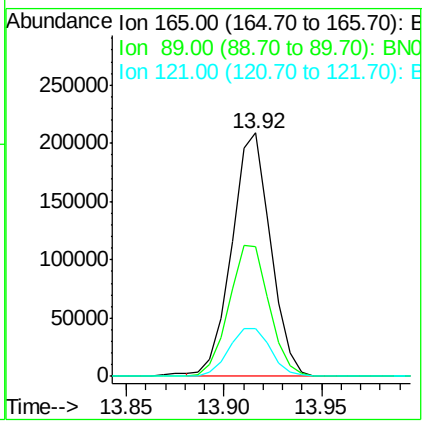


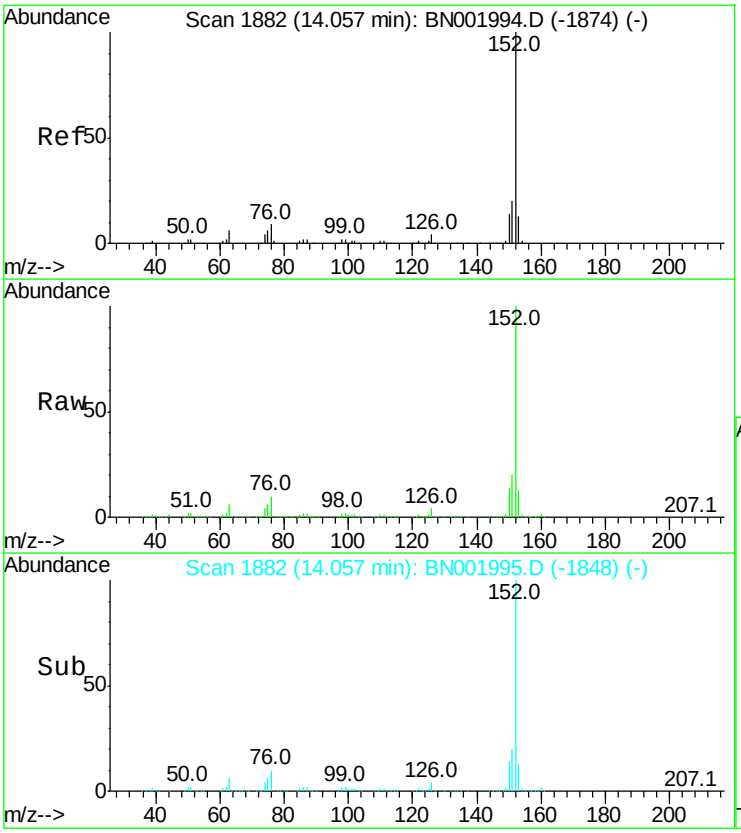
#45
2,6-Dinitrotoluene
Concen: 13.529 ng/ul
RT: 13.92 min Scan# 1858
Delta R.T. 0.00 min
Lab File: BN001995.D
Acq: 09 Jul 2018 13:02

Instrument :
BNA_N
ClientSampleId :
DAZP0

Tgt Ion:165 Resp: 288024

Ion	Ratio	Lower	Upper
165	100		
89	53.1	43.8	65.8
121	19.9	17.8	26.6

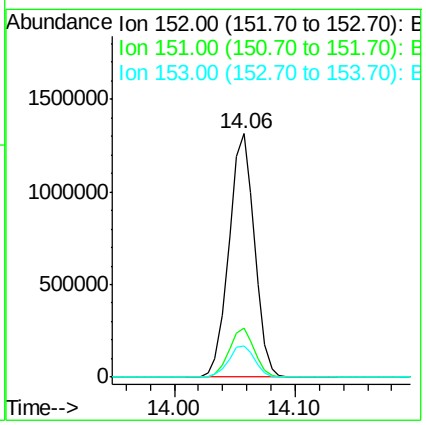


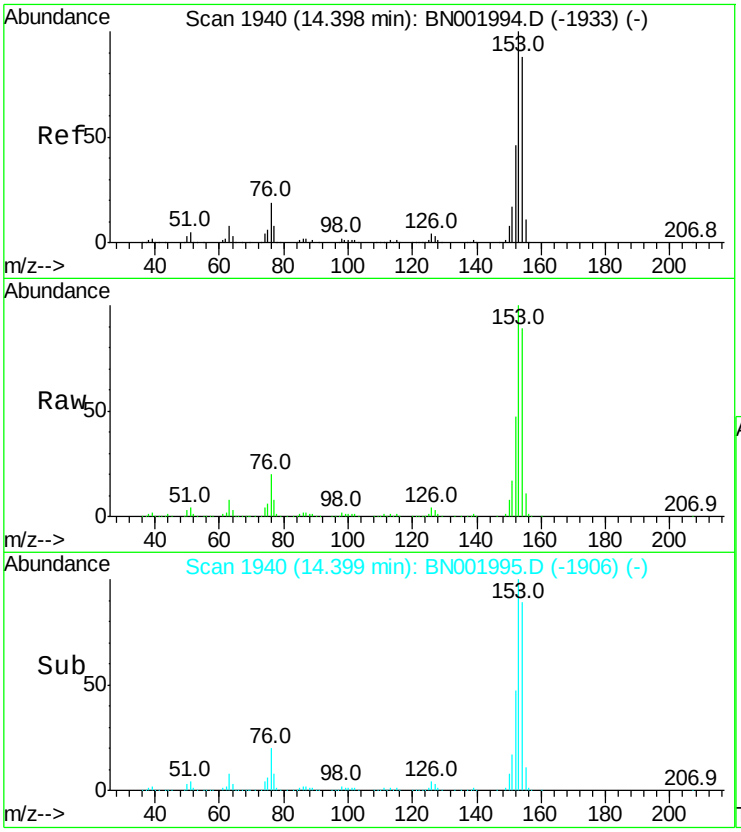


#47
Acenaphthylene
Concen: 14.090 ng/ul
RT: 14.06 min Scan# 1882
Delta R.T. 0.00 min
Lab File: BN001995.D
Acq: 09 Jul 2018 13:02

Tgt Ion:152 Resp: 1926121

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.1	24.1
153	13.0	10.8	16.2



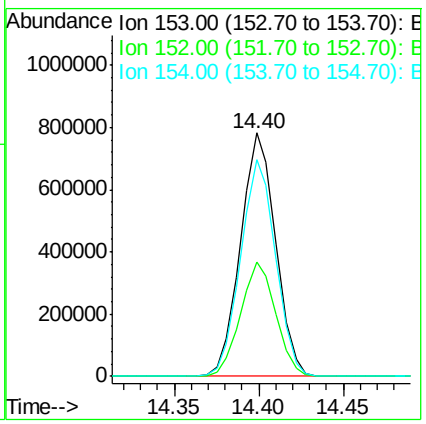


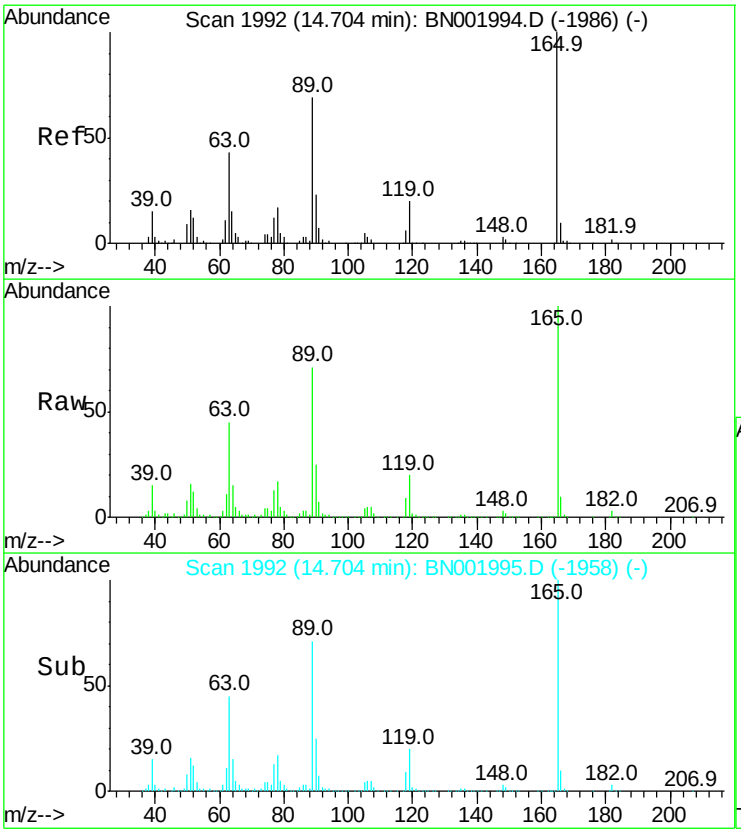
#49
Acenaphthene
Concen: 11.956 ng/ul
RT: 14.40 min Scan# 1940
Delta R.T. 0.00 min
Lab File: BN001995.D
Acq: 09 Jul 2018 13:02

Instrument :
BNA_N
ClientSampleId :
DAZP0

Tgt Ion:153 Resp: 1133843

Ion	Ratio	Lower	Upper
153	100		
152	46.9	37.9	56.9
154	89.0	69.8	104.6

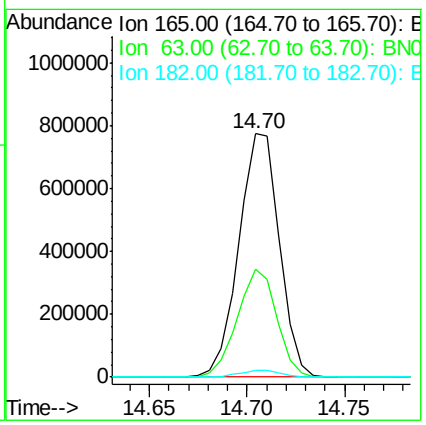


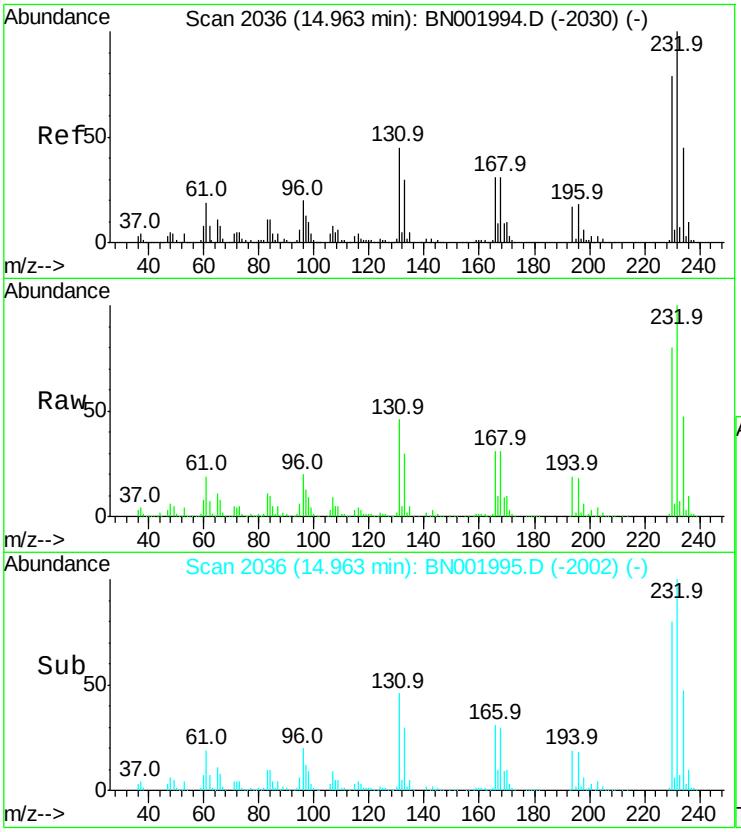


#54
2,4-Dinitrotoluene
Concen: 35.179 ng/ul
RT: 14.70 min Scan# 1992
Delta R.T. 0.00 min
Lab File: BN001995.D
Acq: 09 Jul 2018 13:02

Tgt Ion:165 Resp: 1113579

Ion	Ratio	Lower	Upper
165	100		
63	44.5	31.4	47.0
182	3.0	2.7	4.1



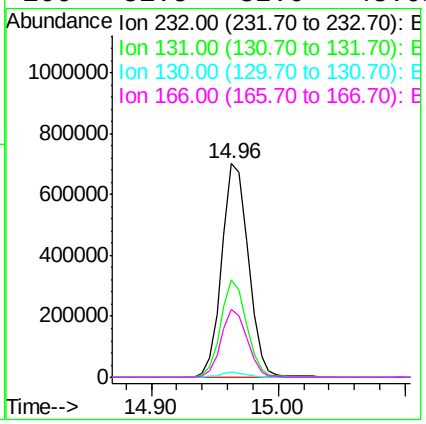


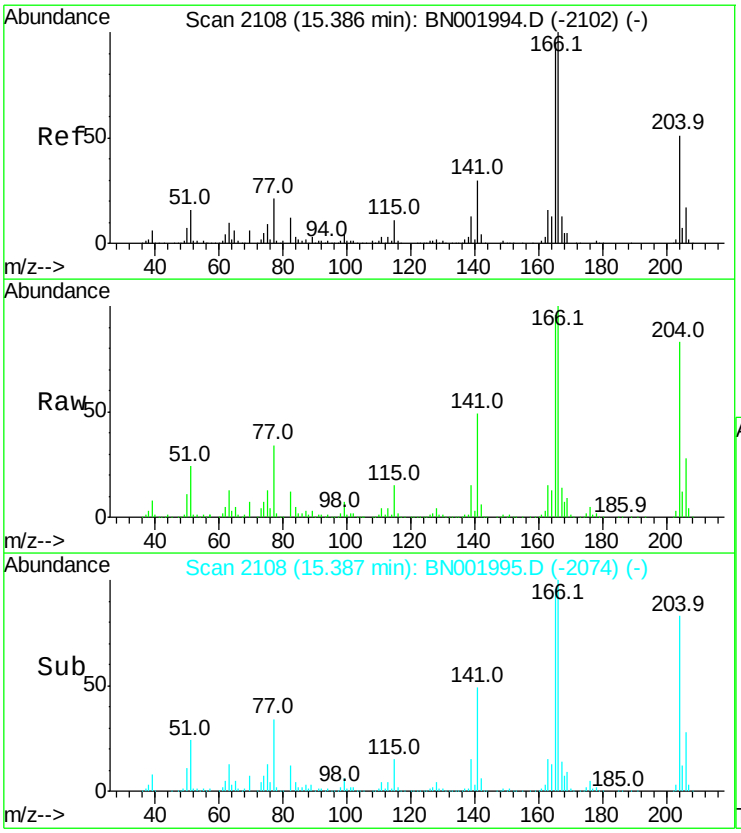
#55
2,3,4,6-Tetrachlorophenol
Concen: 37.850 ng/ul
RT: 14.96 min Scan# 2036
Delta R.T. 0.00 min
Lab File: BN001995.D
Acq: 09 Jul 2018 13:02

Instrument :
BNA_N
ClientSampleId :
DAZP0

Tgt Ion:232 Resp: 1023698

Ion	Ratio	Lower	Upper
232	100		
131	45.7	48.0	72.0#
130	2.1	4.0	6.0#
166	31.5	32.0	48.0#

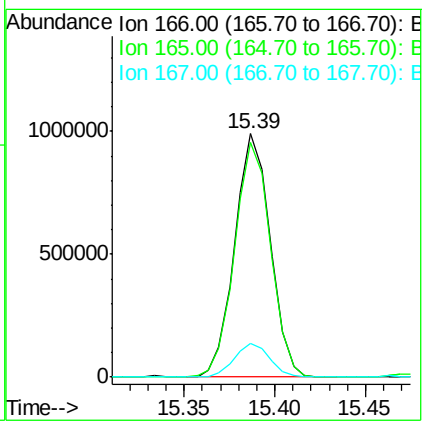


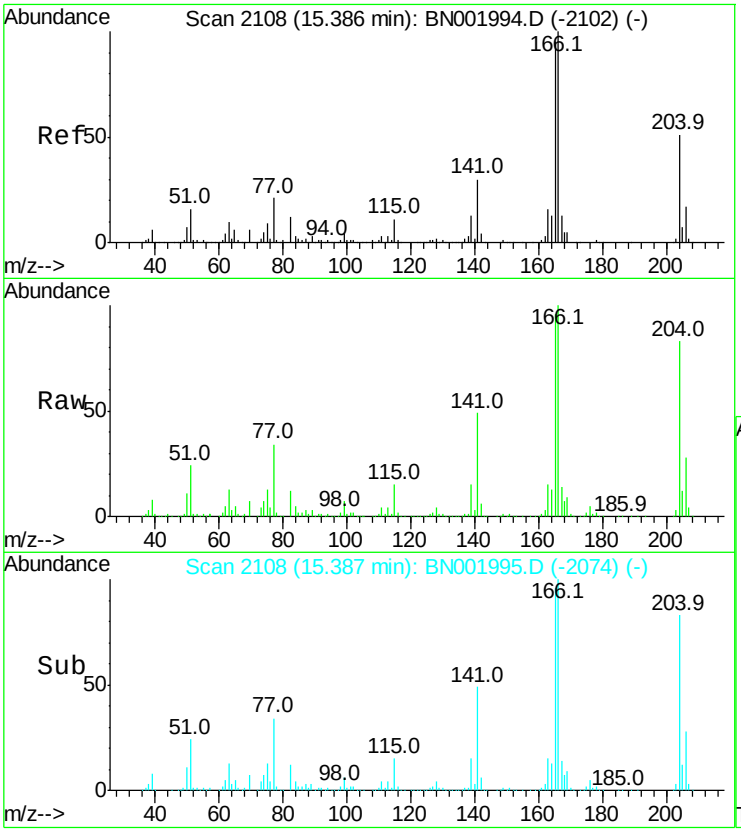


#58
Fluorene
Concen: 12.471 ng/ul
RT: 15.39 min Scan# 2108
Delta R.T. 0.00 min
Lab File: BN001995.D
Acq: 09 Jul 2018 13:02

Tgt Ion:166 Resp: 1353596

Ion	Ratio	Lower	Upper
166	100		
165	96.5	78.4	117.6
167	13.8	11.1	16.7



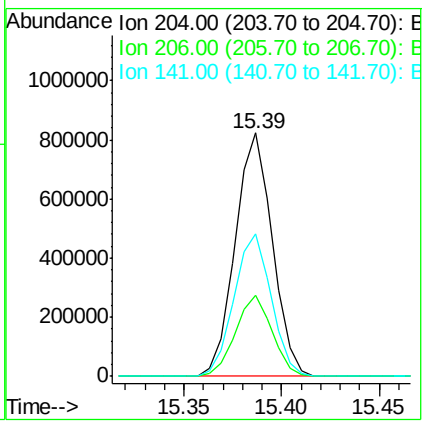


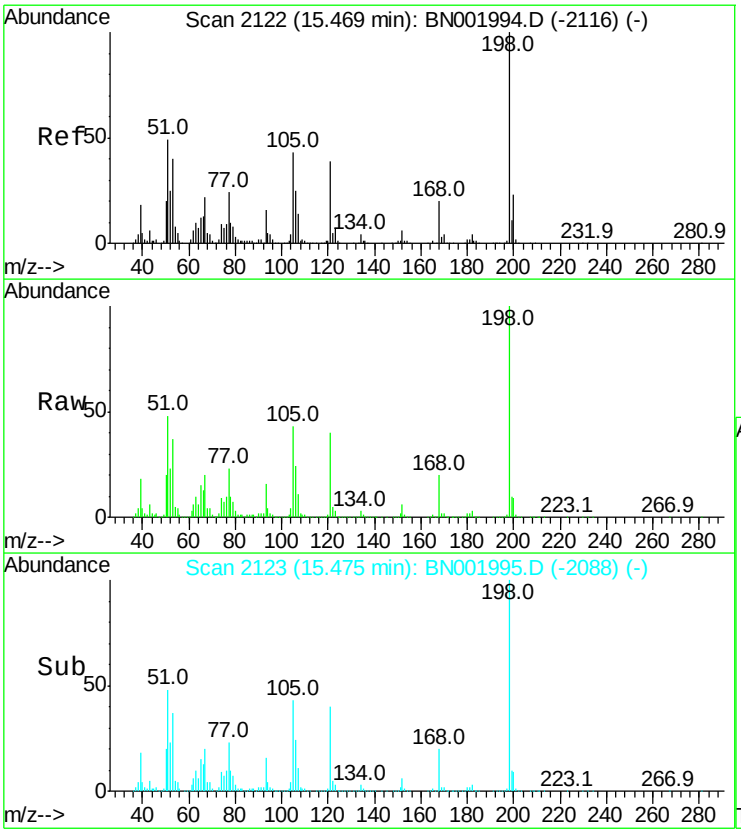
#59
4-Chlorophenyl-phenylether
Concen: 19.974 ng/ul
RT: 15.39 min Scan# 2108
Delta R.T. 0.00 min
Lab File: BN001995.D
Acq: 09 Jul 2018 13:02

Instrument :
BNA_N
ClientSampleId :
DAZP0

Tgt Ion:204 Resp: 1086136

Ion	Ratio	Lower	Upper
204	100		
206	33.4	26.6	40.0
141	58.5	40.7	61.1

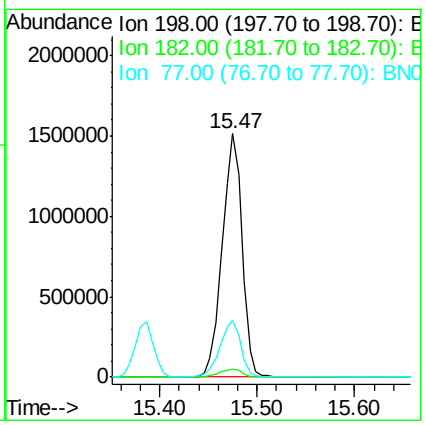


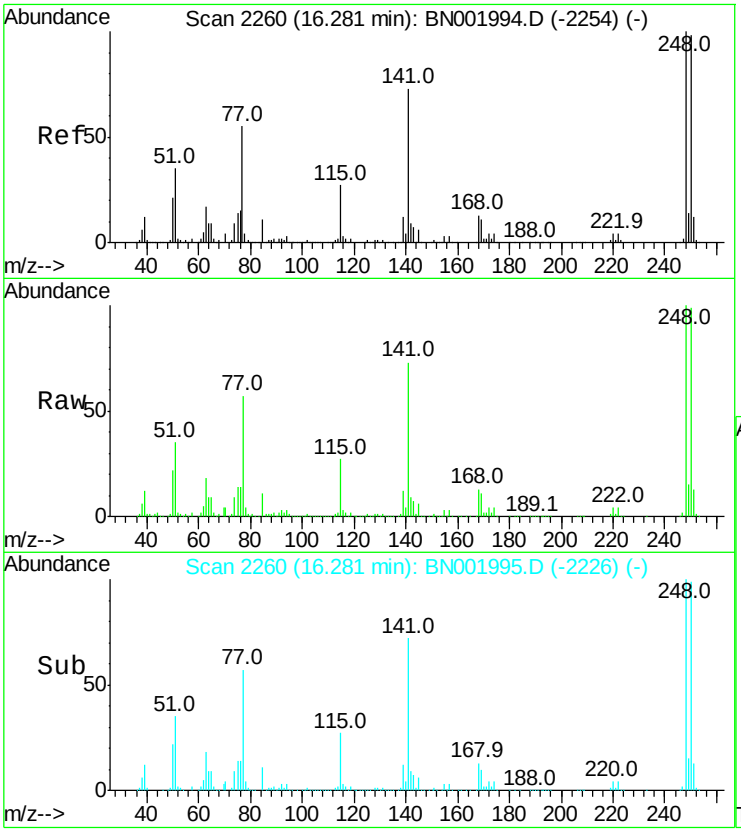


#63
4,6-Dinitro-2-methylphenol
Concen: 117.291 ng/ul
RT: 15.47 min Scan# 2123
Delta R.T. 0.01 min
Lab File: BN001995.D
Acq: 09 Jul 2018 13:02

Tgt Ion:198 Resp: 2131548

Ion	Ratio	Lower	Upper
198	100		
182	3.2	3.5	5.3#
77	23.4	18.2	27.4



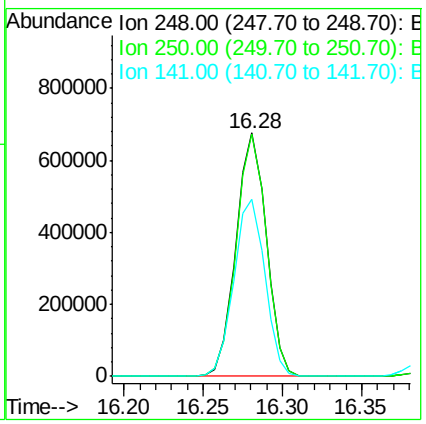


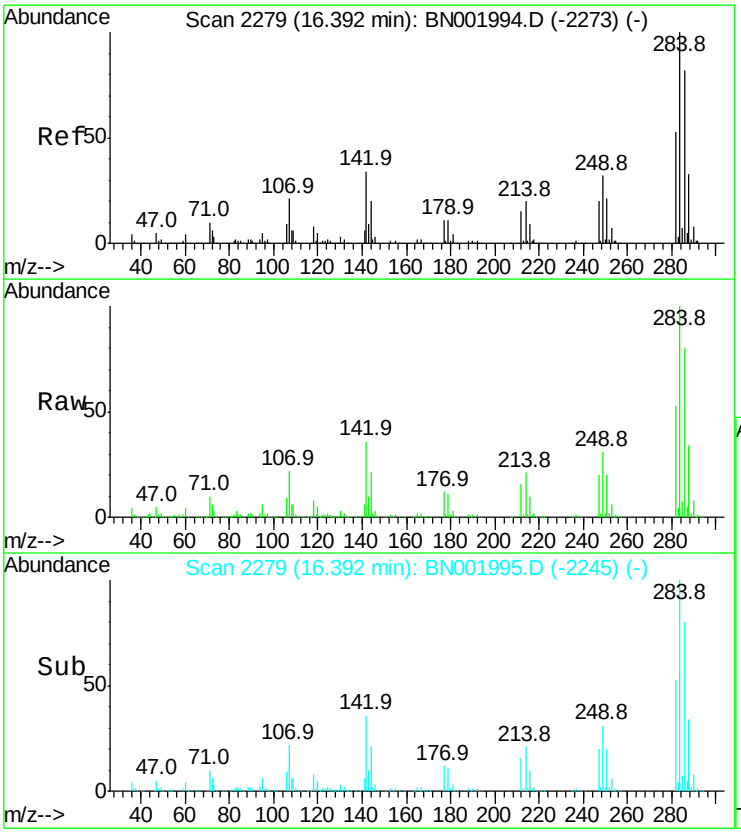
#65
4-Bromophenyl-phenylether
Concen: 26.412 ng/ul
RT: 16.28 min Scan# 2260
Delta R.T. 0.00 min
Lab File: BN001995.D
Acq: 09 Jul 2018 13:02

Instrument :
BNA_N
ClientSampleId :
DAZP0

Tgt Ion:248 Resp: 901841

Ion	Ratio	Lower	Upper
248	100		
250	99.4	79.0	118.4
141	72.6	51.9	77.9

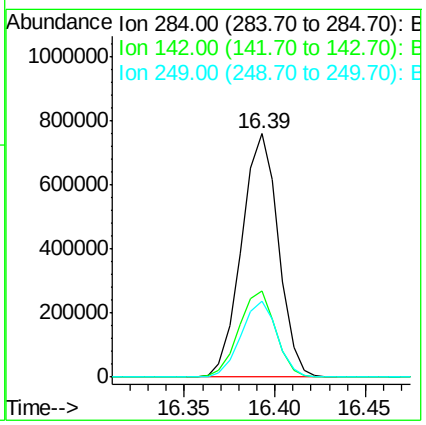


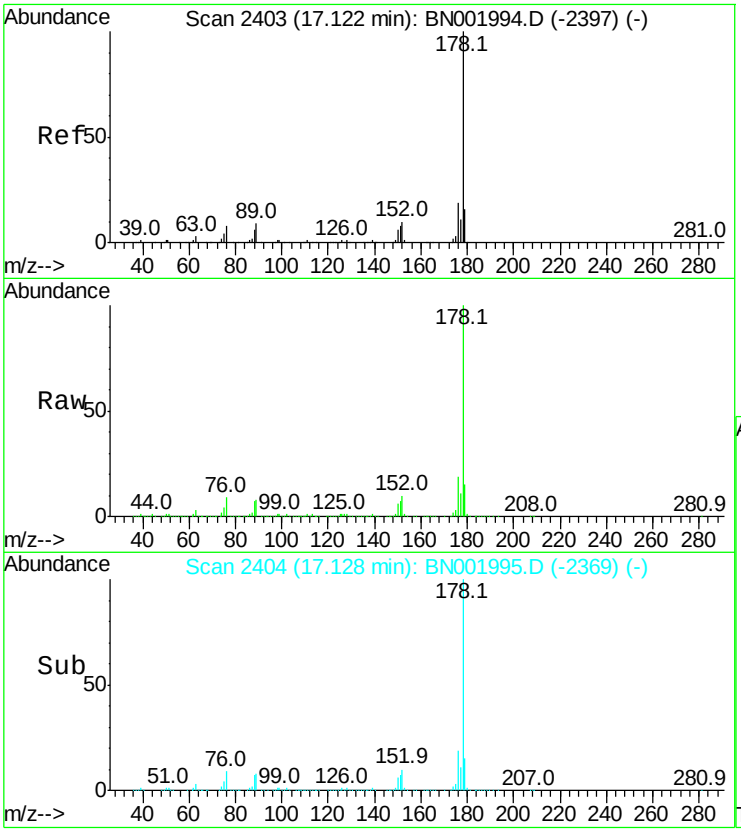


#66
Hexachlorobenzene
Concen: 27.972 ng/ul
RT: 16.39 min Scan# 2279
Delta R.T. 0.00 min
Lab File: BN001995.D
Acq: 09 Jul 2018 13:02

Tgt Ion:284 Resp: 1075711

Ion	Ratio	Lower	Upper
284	100		
142	35.6	21.3	31.9#
249	31.3	26.3	39.5



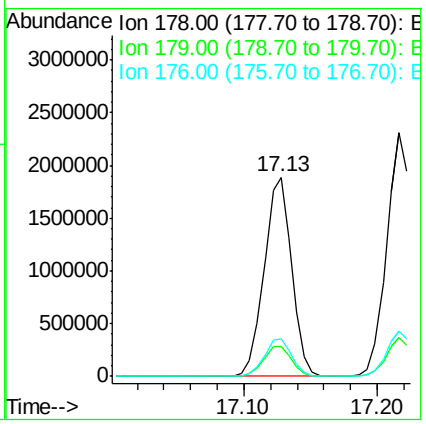


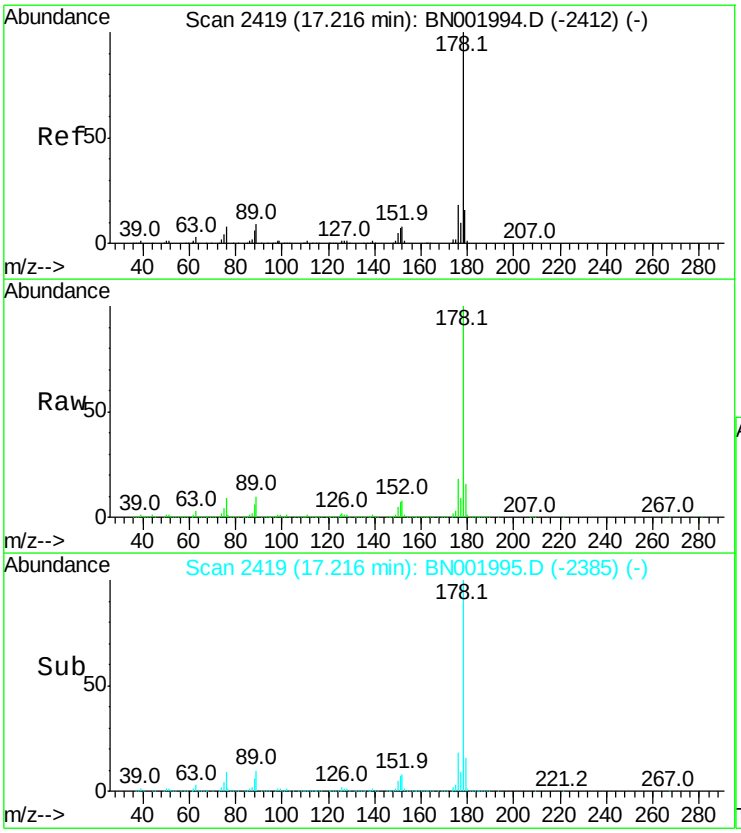
#69
Phenanthrene
Concen: 15.244 ng/ul
RT: 17.13 min Scan# 2404
Delta R.T. 0.01 min
Lab File: BN001995.D
Acq: 09 Jul 2018 13:02

Instrument :
BNA_N
ClientSampleId :
DAZP0

Tgt Ion:178 Resp: 2699330

Ion	Ratio	Lower	Upper
178	100		
179	15.0	12.3	18.5
176	19.0	15.4	23.0

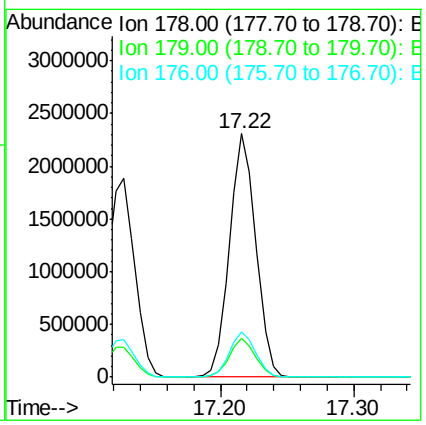


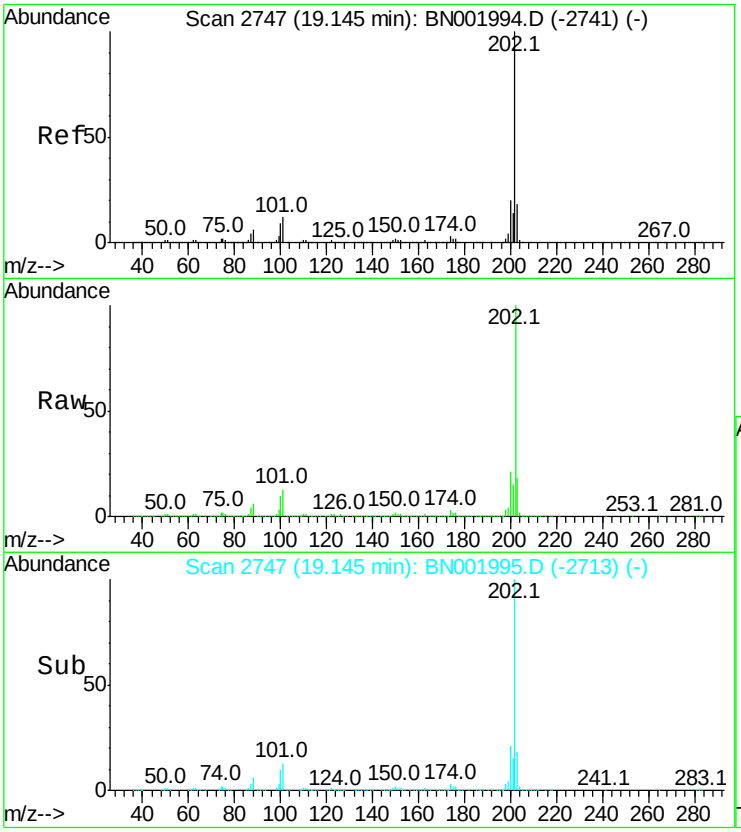


#71
Anthracene
Concen: 17.736 ng/ul
RT: 17.22 min Scan# 2419
Delta R.T. 0.00 min
Lab File: BN001995.D
Acq: 09 Jul 2018 13:02

Tgt Ion:178 Resp: 3178969

Ion	Ratio	Lower	Upper
178	100		
179	15.8	13.4	20.2
176	18.5	15.4	23.0



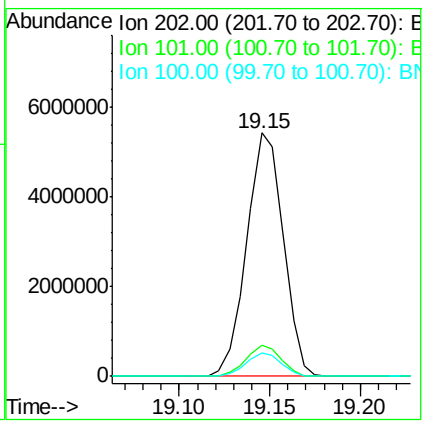


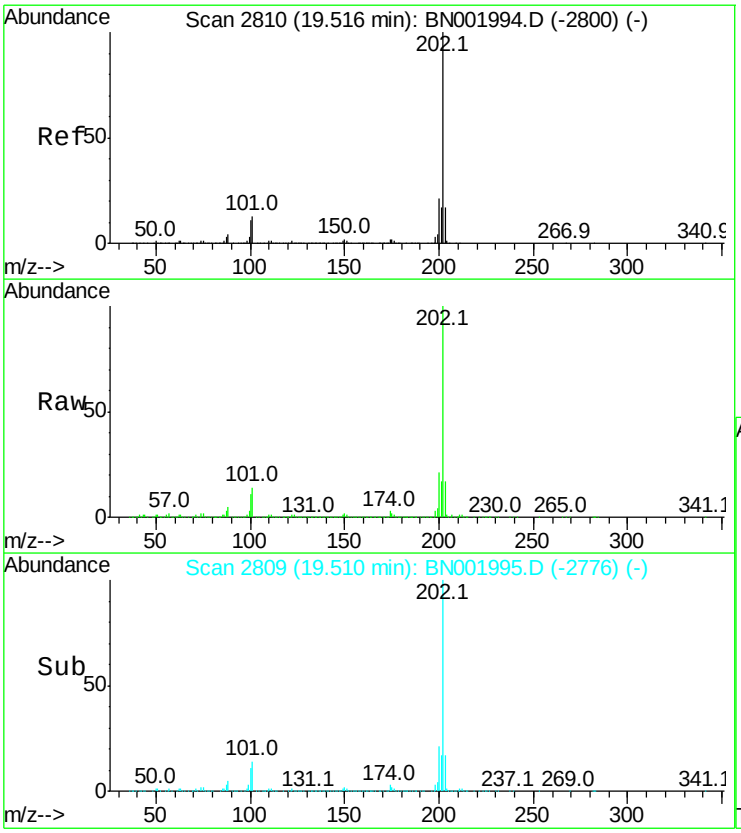
#74
Fluoranthene
Concen: 41.118 ng/ul
RT: 19.15 min Scan# 2747
Delta R.T. 0.00 min
Lab File: BN001995.D
Acq: 09 Jul 2018 13:02

Instrument :
BNA_N
ClientSampleId :
DAZP0

Tgt Ion:202 Resp: 7653292

Ion	Ratio	Lower	Upper
202	100		
101	12.7	6.1	9.1#
100	9.5	4.6	7.0#

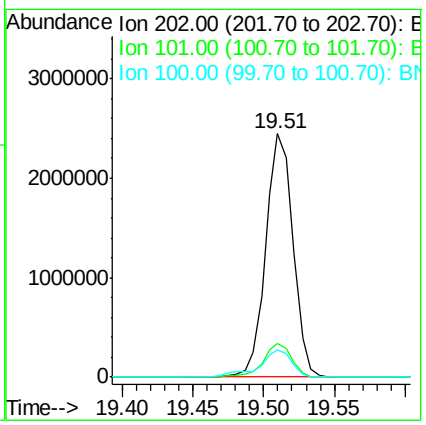


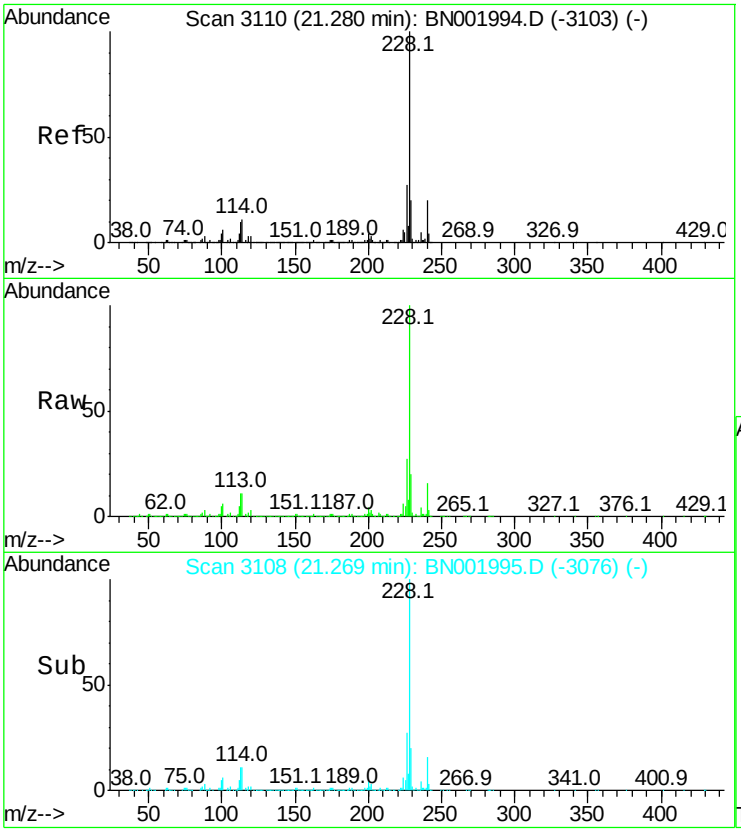


#77
Pyrene
Concen: 15.362 ng/ul
RT: 19.51 min Scan# 2809
Delta R.T. -0.01 min
Lab File: BN001995.D
Acq: 09 Jul 2018 13:02

Tgt Ion:202 Resp: 3314912

Ion	Ratio	Lower	Upper
202	100		
101	13.9	6.9	10.3#
100	11.2	5.6	8.4#



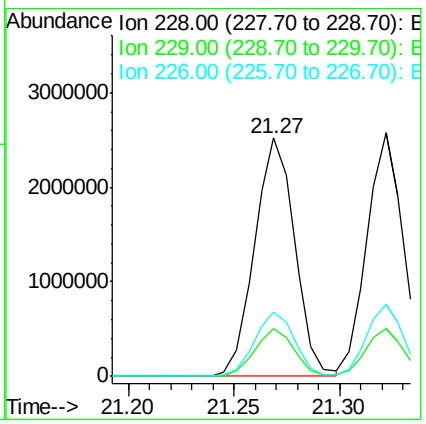


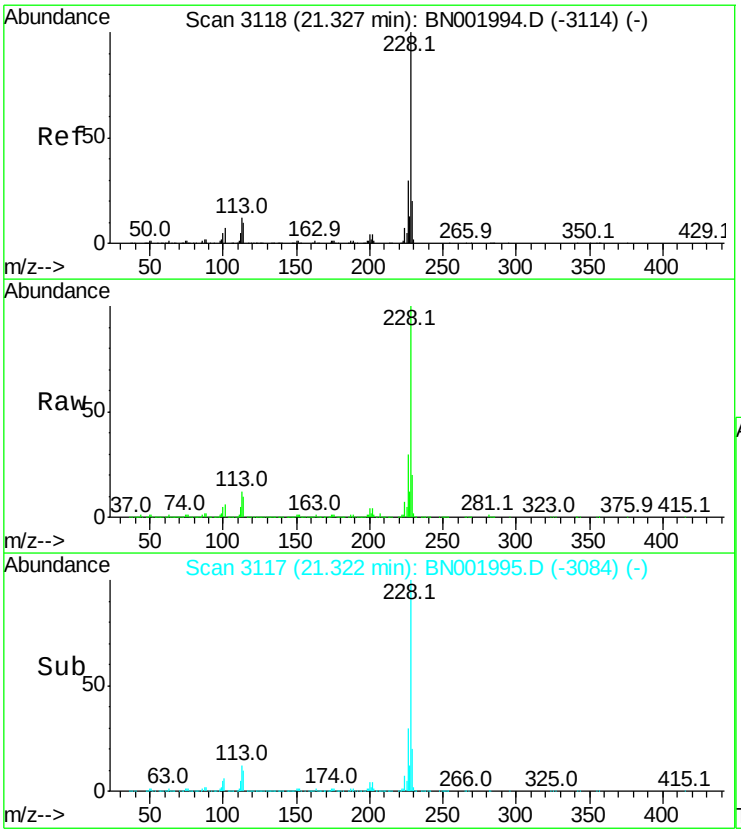
#80
Benzo(a)anthracene
Concen: 15.305 ng/ul
RT: 21.27 min Scan# 3108
Delta R.T. -0.01 min
Lab File: BN001995.D
Acq: 09 Jul 2018 13:02

Instrument :
BNA_N
ClientSampleId :
DAZP0

Tgt Ion:228 Resp: 3335412

Ion	Ratio	Lower	Upper
228	100		
229	20.1	16.0	24.0
226	27.0	21.8	32.8

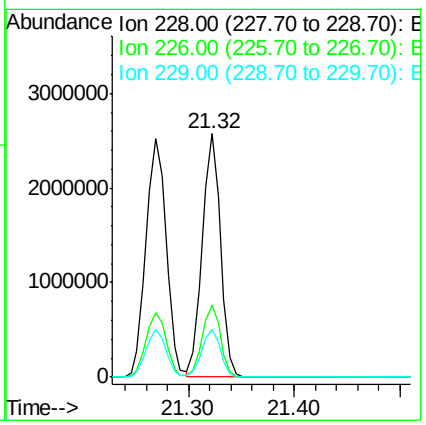


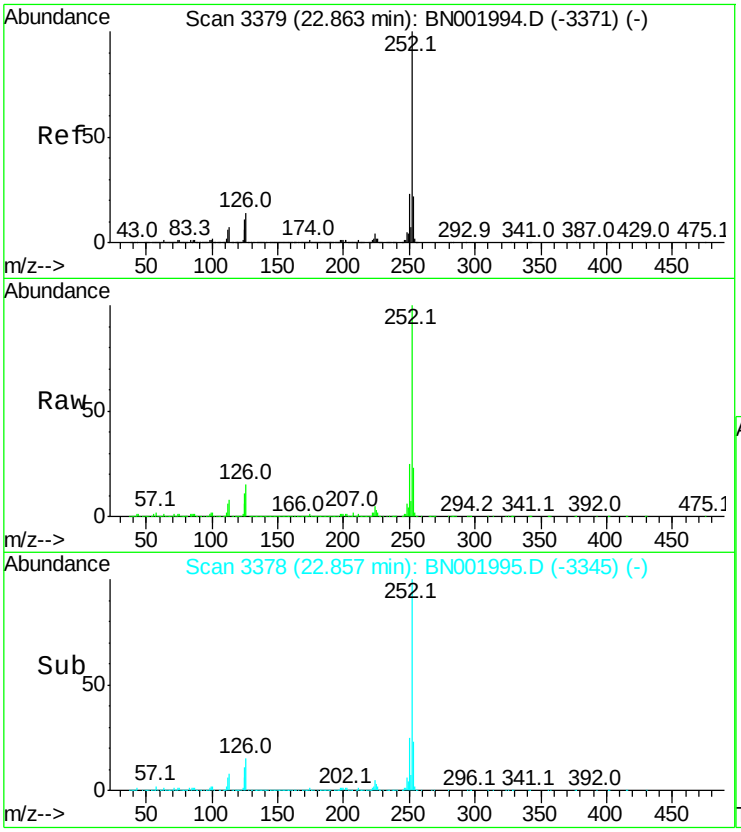


#82
Chrysene
Concen: 15.252 ng/ul
RT: 21.32 min Scan# 3117
Delta R.T. -0.01 min
Lab File: BN001995.D
Acq: 09 Jul 2018 13:02

Tgt Ion:228 Resp: 3092614

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.1	36.1
229	19.9	16.0	24.0



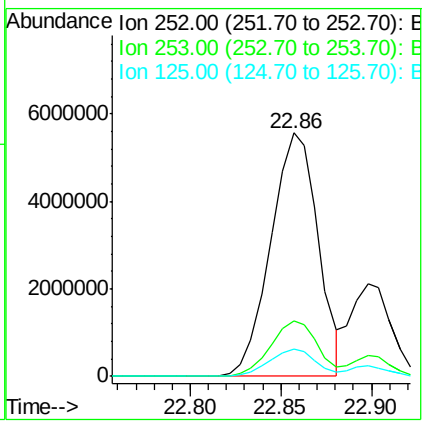


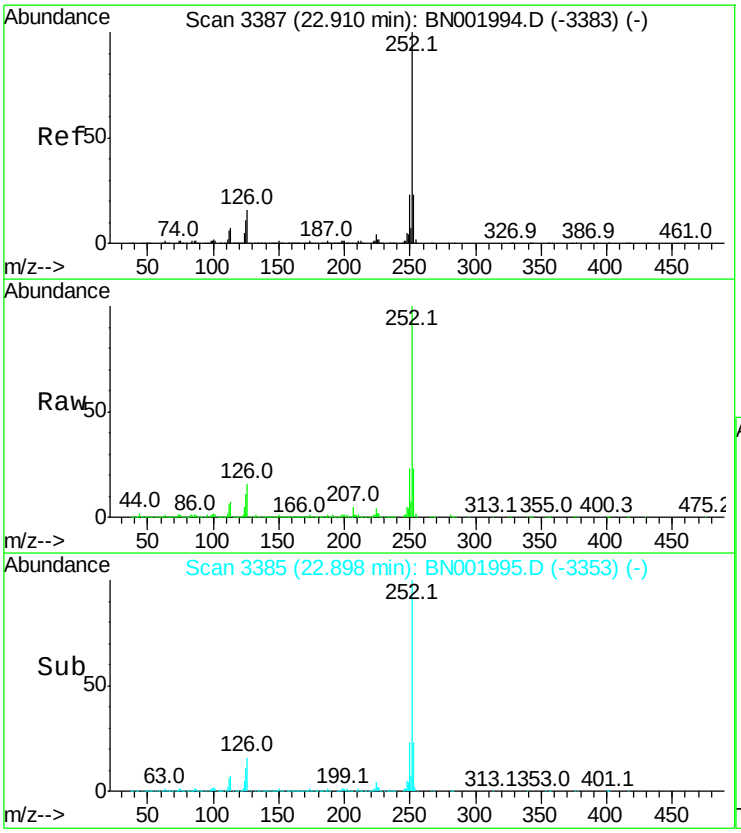
#85
Benzo(b)fluoranthene
Concen: 42.946 ng/ul
RT: 22.86 min Scan# 3378
Delta R.T. -0.01 min
Lab File: BN001995.D
Acq: 09 Jul 2018 13:02

Instrument :
BNA_N
ClientSampleId :
DAZP0

Tgt Ion:252 Resp:10155978

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.0
125	11.3	4.9	7.3#

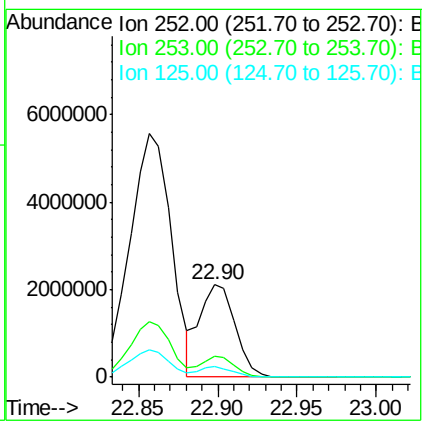


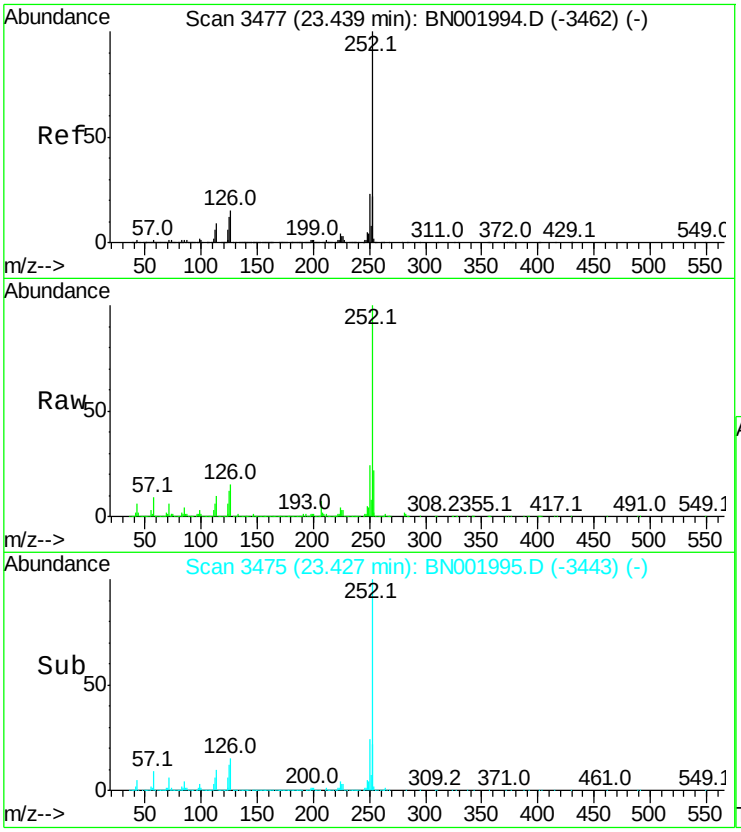


#86
Benzo(k)fluoranthene
Concen: 14.241 ng/ul
RT: 22.90 min Scan# 3385
Delta R.T. -0.01 min
Lab File: BN001995.D
Acq: 09 Jul 2018 13:02

Tgt Ion:252 Resp: 3265738

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	11.2	5.4	8.0#



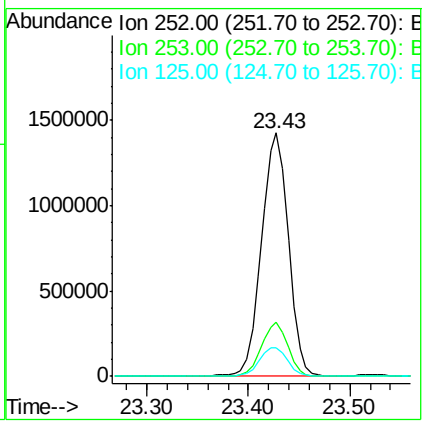


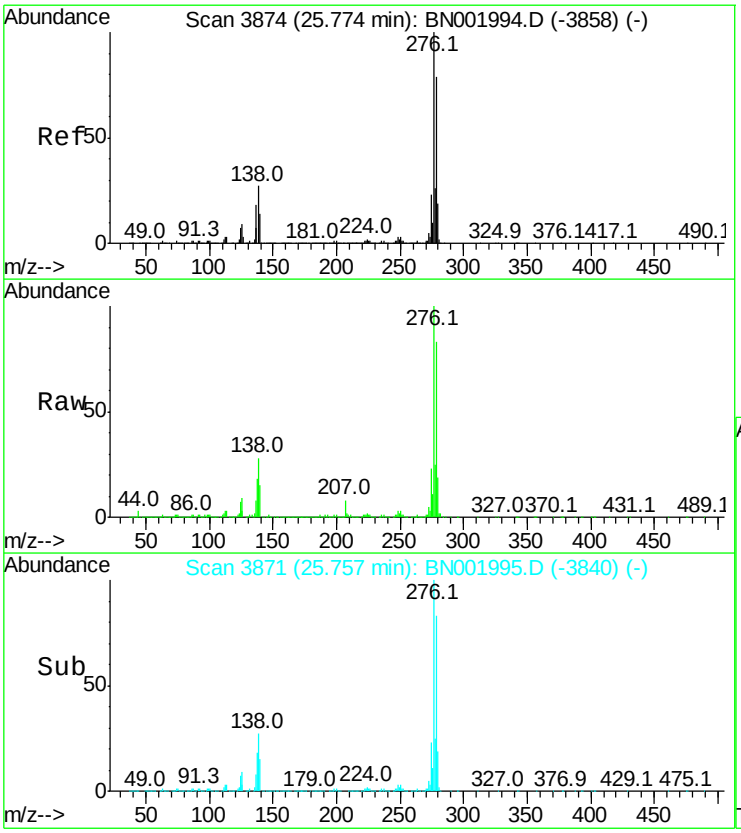
#88
Benzo(a)pyrene
Concen: 11.875 ng/ul
RT: 23.43 min Scan# 3475
Delta R.T. -0.01 min
Lab File: BN001995.D
Acq: 09 Jul 2018 13:02

Instrument :
BNA_N
ClientSampleId :
DAZP0

Tgt Ion:252 Resp: 2624109

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.2	25.8
125	11.8	5.8	8.6#

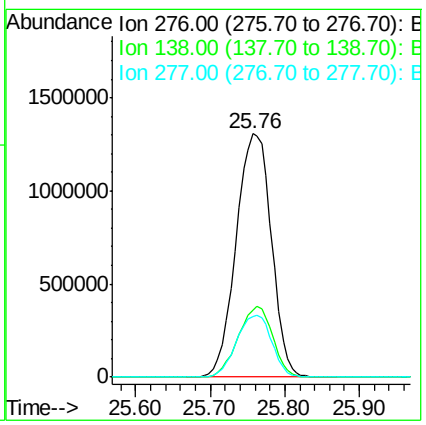


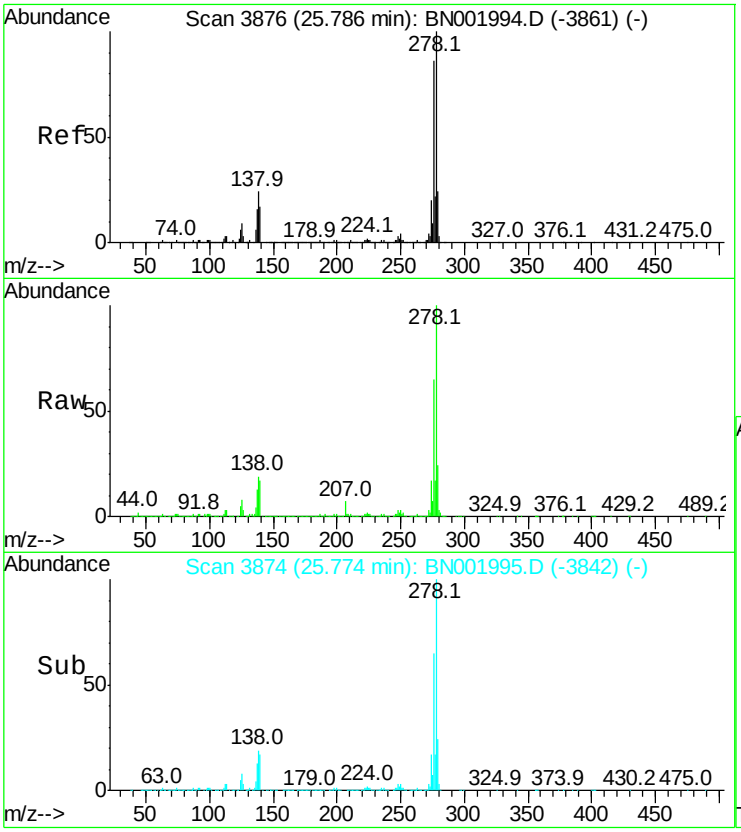


#89
Indeno(1,2,3-cd)pyrene
Concen: 18.230 ng/ul
RT: 25.76 min Scan# 3871
Delta R.T. -0.02 min
Lab File: BN001995.D
Acq: 09 Jul 2018 13:02

Tgt Ion:276 Resp: 4286689

Ion	Ratio	Lower	Upper
276	100		
138	27.5	10.9	16.3#
277	25.0	18.9	28.3



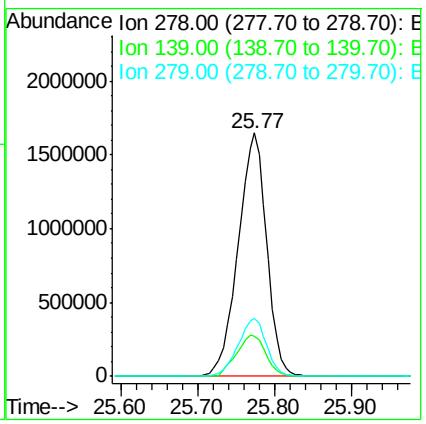


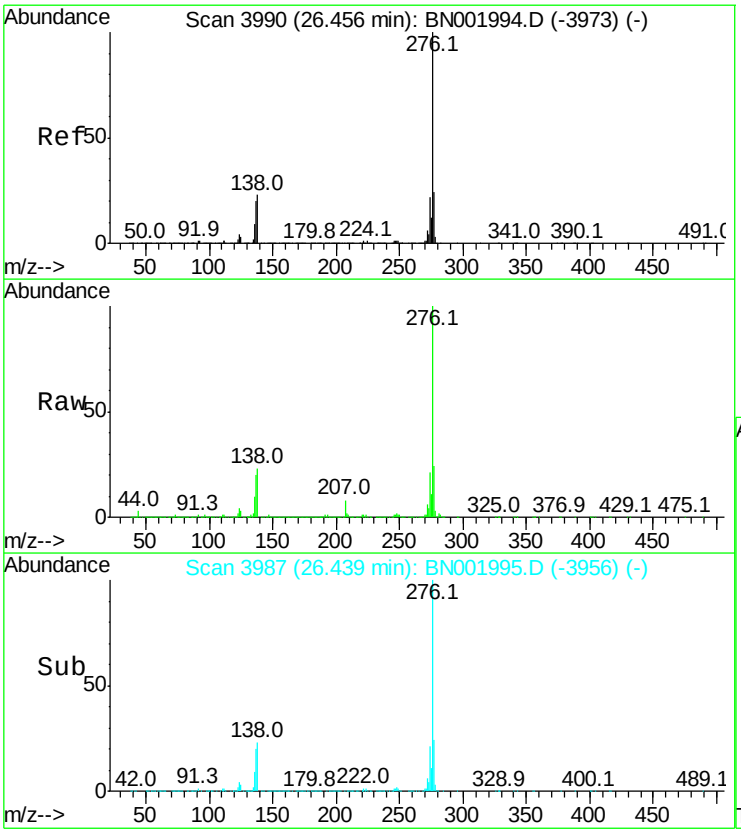
#90
Dibenzo(a,h)anthracene
Concen: 21.795 ng/ul
RT: 25.77 min Scan# 3874
Delta R.T. -0.01 min
Lab File: BN001995.D
Acq: 09 Jul 2018 13:02

Instrument :
BNA_N
ClientSampleId :
DAZP0

Tgt Ion:278 Resp: 4265347

Ion	Ratio	Lower	Upper
278	100		
139	16.7	9.0	13.4#
279	23.9	19.1	28.7





#91
Benzo(g,h,i)perylene
Concen: 19.806 ng/ul
RT: 26.44 min Scan# 3987
Delta R.T. -0.02 min
Lab File: BN001995.D
Acq: 09 Jul 2018 13:02

Tgt Ion:276 Resp: 3841782

Ion	Ratio	Lower	Upper
276	100		
138	23.1	11.2	16.8#
277	23.7	19.0	28.6