Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF022819\
Data File : BF112763.D
Acq On : 28 Feb 2019 15:36
Operator : JU/SJ
Sample : K1341-09 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-06-022719-B

Quant Time: Mar 01 04:47:41 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 27 16:08:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	180365	20.00	ng	0.00
21) Naphthalene-d8	8.03	136	517056	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	293476	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	620722	20.00	ng	0.00
76) Chrysene-d12	13.88	240	525743	20.00	ng	0.00
87) Perylene-d12	15.29	264	379296	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	236685	20.41	ng	0.00
7) Phenol-d6	6.37	99	315157	21.64	ng	0.00
23) Nitrobenzene-d5	7.30	82	195383	22.61	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	76234	24.47	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	303231	5.38	ng	0.00
79) Terphenyl-d14	12.83	244	370986	13.68	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.45	88	292	0.050	ng	# 14
6) Aniline	6.43	93	2045	0.102	ng	# 1
8) 2-Chlorophenol	6.71	128	118	0.009	ng	# 1
9) Benzaldehyde	6.30	77	11560	1.101	ng	# 1
10) Phenol	6.38	94	5057	0.298	ng	82
11) bis(2-Chloroethyl)ether	6.47	93	446	0.034	ng	# 1
15) Benzyl Alcohol	6.90	79	6872	0.619	ng	# 34
16) 2,2'-oxybis(1-Chloropropan	6.99	45	109	0.005	ng	# 1
17) 2-Methylphenol	7.00	107	825	0.079	ng	# 1
18) Hexachloroethane	7.25	117	12849	2.509	ng	# 1
19) n-Nitroso-di-n-propylamine	7.18	70	16767	1.818	ng	# 67
20) 3+4-Methylphenols	7.15	107	2119	0.179	ng	# 1
22) Acetophenone	7.15	105	207471	17.160	ng	# 45
24) Nitrobenzene	7.32	77	11341	1.179	ng	# 61
25) Isophorone	7.56	82	46218	2.483	ng	# 1
26) 2-Nitrophenol	7.66	139	4028	1.006	ng	# 1
27) 2,4-Dimethylphenol	7.69	122	7138	0.958	ng	# 34
28) bis(2-Chloroethoxy)methane	7.77	93	5408	0.465	ng	# 1
29) 2,4-Dichlorophenol	7.89	162	5818	0.806	ng	# 5
30) 1,2,4-Trichlorobenzene	7.99	180	849	0.109	ng	# 1
31) Naphthalene	8.05	128	166703	6.494	ng	# 95
32) Benzoic acid	7.83	122	6549	1.255	ng	# 30
33) 4-Chloroaniline	8.11	127	3899	0.359	ng	# 1
35) Caprolactam	8.47	113	51586	20.278	ng	# 32
36) 4-Chloro-3-methylphenol	8.56	107	4065	0.509	ng	# 26
37) 2-Methylnaphthalene	8.74	142	224829	13.562	ng	98
38) 1-Methylnaphthalene	8.84	142	154769	9.638	ng	# 99
43) 2,4,6-Trichlorophenol	9.01	196	766	0.130	ng	# 12
44) 2,4,5-Trichlorophenol	9.06	196	2159	0.339	ng	# 1
46) 1,1'-Biphenyl	9.20	154	73047	3.052	ng	92
47) 2-Chloronaphthalene	9.25	162	1798	0.096	ng	# 1
48) 2-Nitroaniline	9.33	65	1001	0.176	ng	# 1
49) Acenaphthylene	9.63	152	4650	0.147	ng	# 1
50) Dimethylphthalate	9.49	163	22740	1.051	ng	# 83

Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF022819\
Data File : BF112763.D
Acq On : 28 Feb 2019 15:36
Operator : JU/SJ
Sample : K1341-09 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-06-022719-B

Quant Time: Mar 01 04:47:41 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 27 16:08:50 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
51) 2,6-Dinitrotoluene	9.56	165	1980	0.439	ng	#	73
52) Acenaphthene	9.81	154	2573	0.139	ng	#	4
53) 3-Nitroaniline	9.74	138	1759	0.320	ng	#	47
54) 2,4-Dinitrophenol	9.96	184	118	6.512	ng	#	1
55) Dibenzofuran	9.98	168	12527	0.464	ng	#	17
56) 4-Nitrophenol	9.89	139	4090	0.917	ng	#	1
57) 2,4-Dinitrotoluene	9.96	165	3545	0.633	ng	#	40
58) Fluorene	10.32	166	15359	0.802	ng	#	85
59) 2,3,4,6-Tetrachlorophenol	10.13	232	133	0.025	ng	#	1
60) Diethylphthalate	10.19	149	1585	0.069	ng	#	36
61) 4-Chlorophenyl-phenylether	10.33	204	678	0.076	ng	#	1
62) 4-Nitroaniline	10.05	138	962	0.190	ng		83
63) Azobenzene	10.47	77	2103	0.090	ng	#	1
65) 4,6-Dinitro-2-methylphenol	10.35	198	528	4.800	ng	#	1
66) n-Nitrosodiphenylamine	10.44	169	9930	0.499	ng	#	48
67) 4-Bromophenyl-phenylether	10.56	248	4645	0.710	ng	#	1
69) Atrazine	10.95	200	399	0.065	ng	#	7
71) Phenanthrene	11.27	178	13462	0.436	ng	#	90
72) Anthracene	11.32	178	2304	0.071	ng	#	7
73) Carbazole	11.47	167	1269	0.040	ng	#	1
74) Di-n-butylphthalate	11.82	149	1423	0.038	ng	#	82
75) Fluoranthene	12.46	202	7790	0.235	ng		75
77) Benzidine	12.57	184	809	0.030	ng	#	1
78) Pyrene	12.69	202	9242	0.209	ng	#	88
80) Butylbenzylphthalate	13.33	149	710	0.036	ng	#	39
81) Benzo(a)anthracene	13.87	228	4816	0.132	ng	#	55
82) 3,3'-Dichlorobenzidine	13.84	252	425	0.031	ng	#	64
83) Chrysene	13.90	228	6732	0.189	ng	#	63
84) Bis(2-ethylhexyl)phthalate	13.87	149	2795	0.122	ng	#	81
85) Di-n-octyl phthalate	14.49	149	2022	0.051	ng	#	1
86) Indeno(1,2,3-cd)pyrene	16.61	276	280	0.009	ng	#	1
88) Benzo(b)fluoranthene	14.89	252	6822	0.278	ng	#	1
89) Benzo(k)fluoranthene	14.94	252	502	0.023	ng	#	1
90) Benzo(a)pyrene	15.23	252	3010	0.139	ng	#	1
91) Dibenzo(a,h)anthracene	16.66	278	231	0.012	ng	#	1
92) Benzo(g,h,i)perylene	17.06	276	3590	0.193	ng	#	26

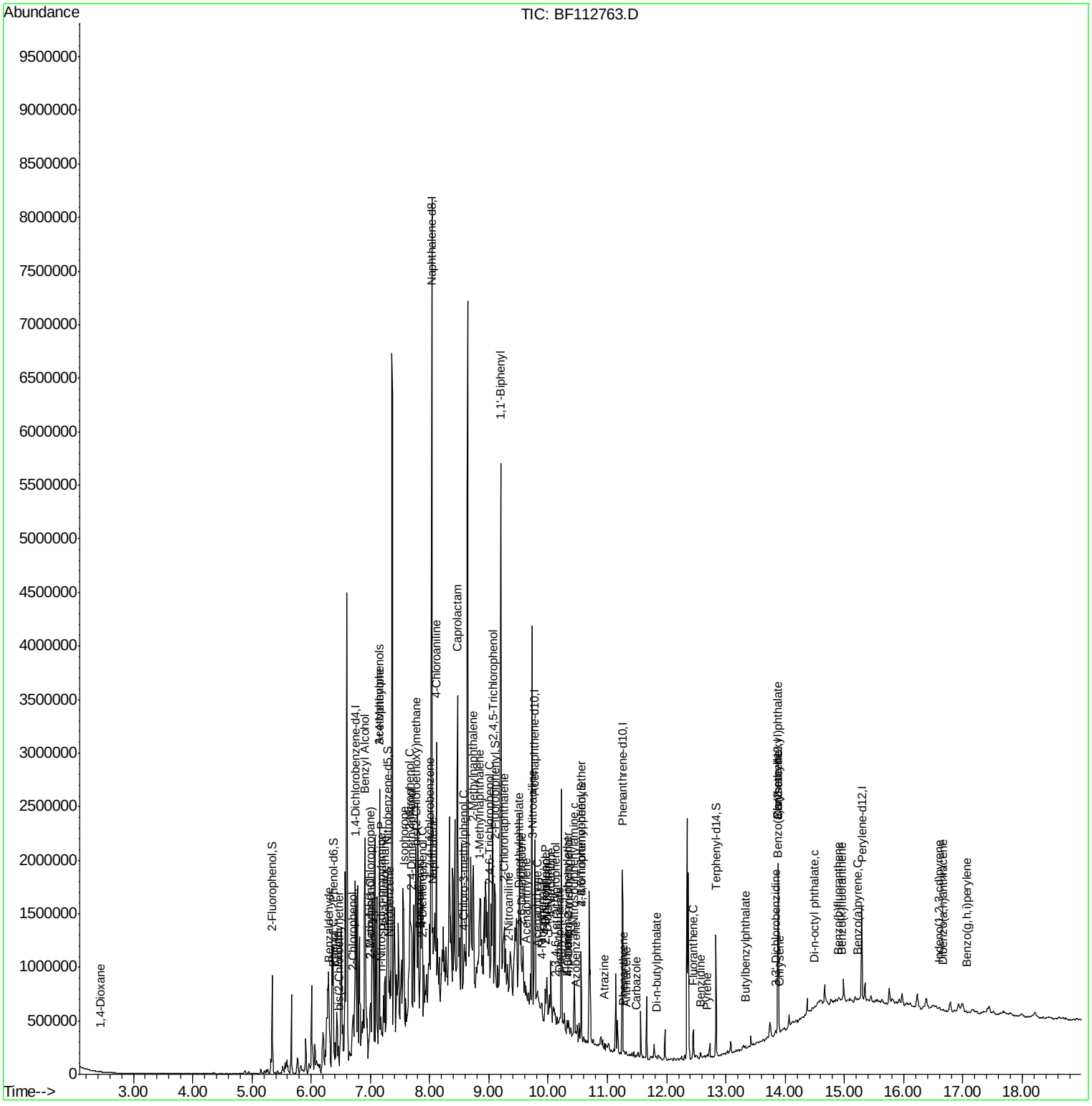
(#) = qualifier out of range (m) = manual integration (+) = signals summed

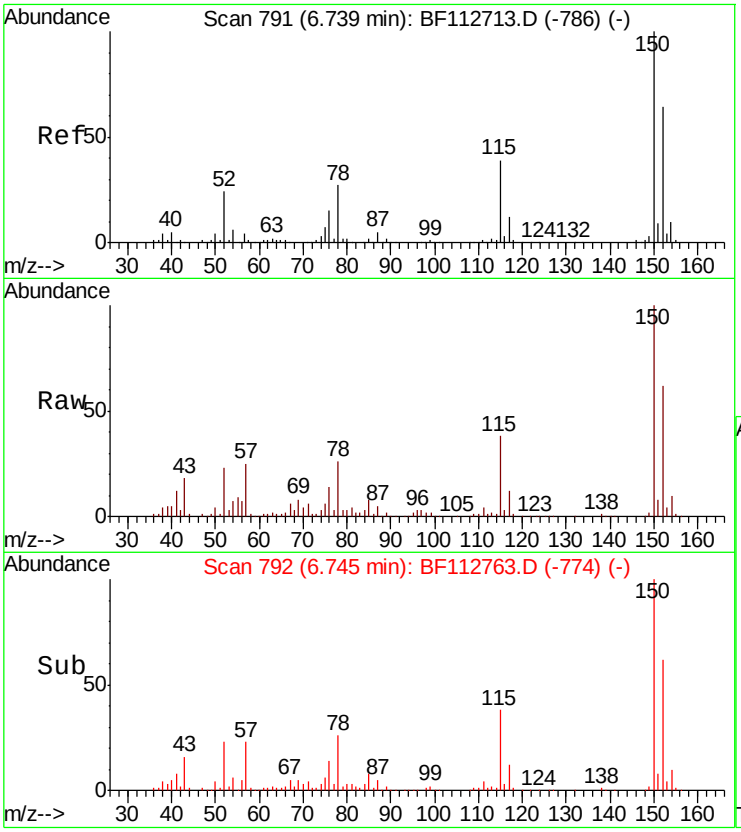
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF022819\
Data File : BF112763.D
Acq On : 28 Feb 2019 15:36
Operator : JU/SJ
Sample : K1341-09 5X
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HR-06-022719-B

Quant Time: Mar 01 04:47:41 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 27 16:08:50 2019
Response via : Initial Calibration



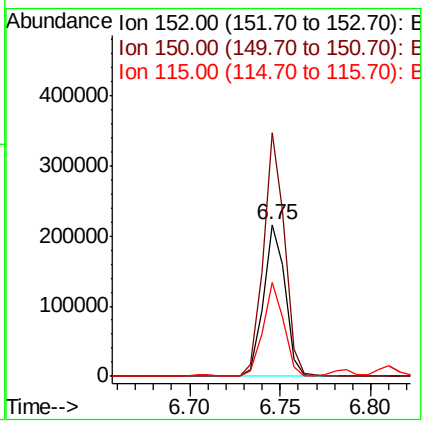


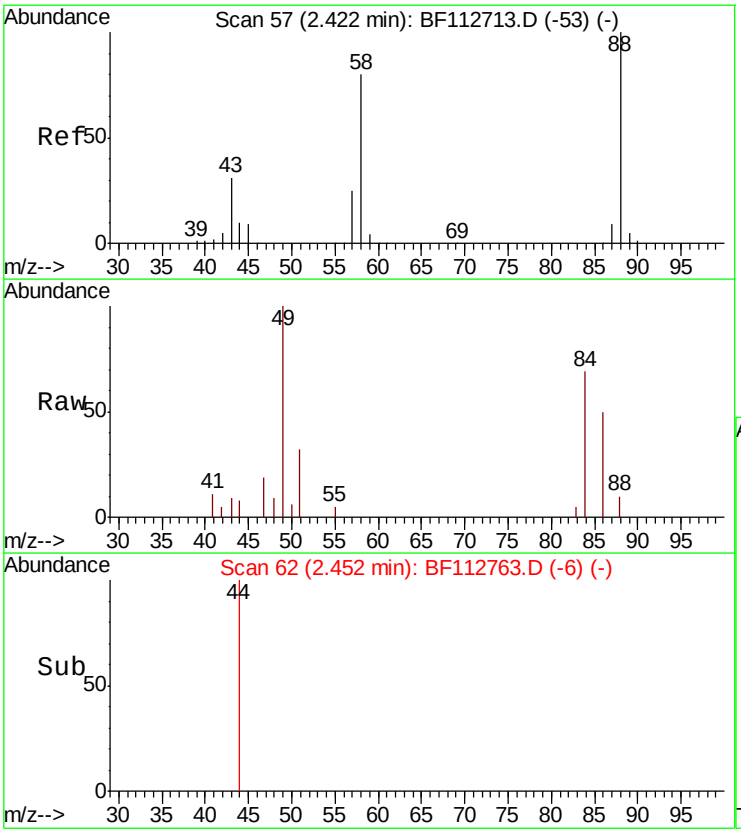
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. 0.01 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Instrument :
BNA_F
ClientSampleId :
HR-06-022719-B

Tgt Ion:152 Resp: 180365

Ion	Ratio	Lower	Upper
152	100		
150	160.7	124.2	186.2
115	61.7	48.2	72.4

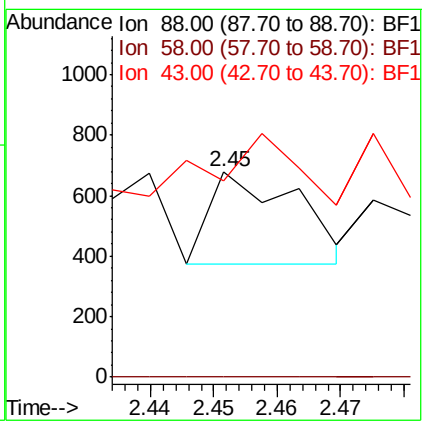


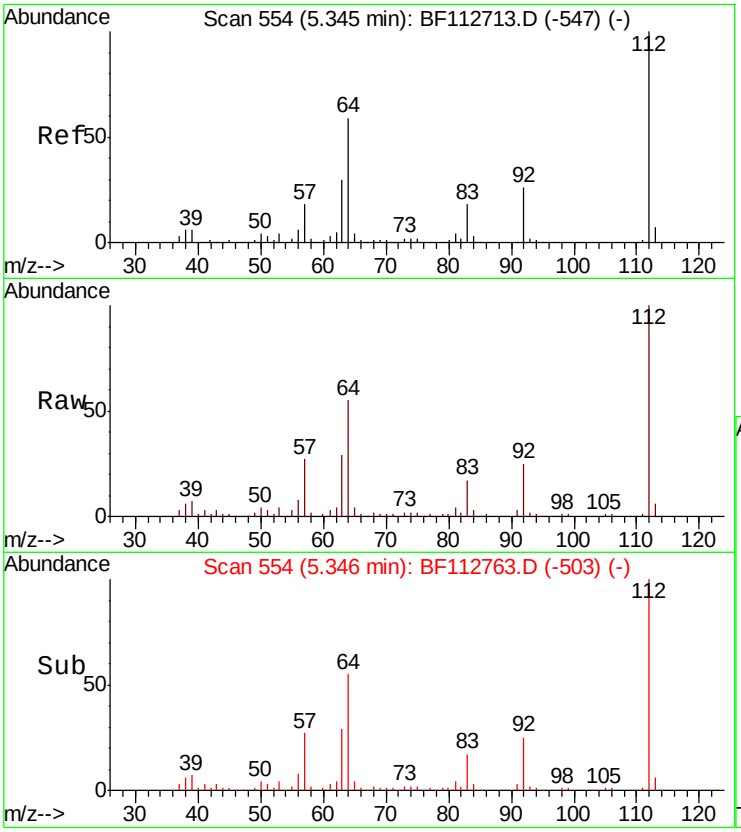


#2
1,4-Dioxane
Concen: 0.050 ng
RT: 2.45 min Scan# 62
Delta R.T. 0.03 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Tgt Ion: 88 Resp: 292

Ion	Ratio	Lower	Upper
88	100		
58	0.0	63.1	94.7#
43	71.6	24.3	36.5#



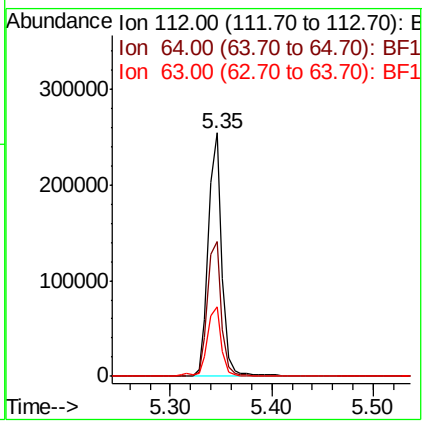


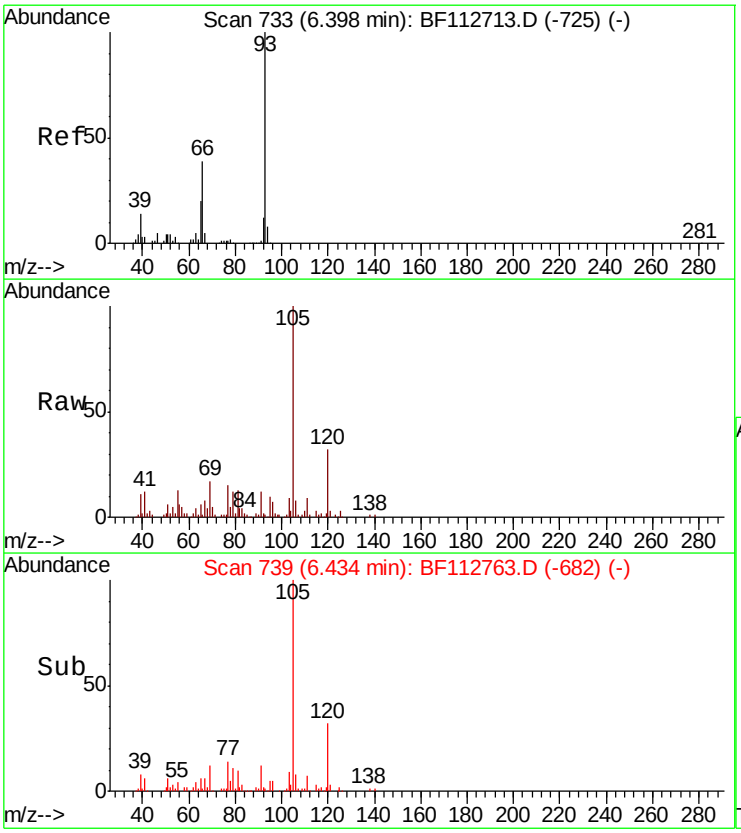
#5
2-Fluorophenol
Concen: 20.413 ng
RT: 5.35 min Scan# 554
Delta R.T. 0.00 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Instrument :
BNA_F
ClientSampleId :
HR-06-022719-B

Tgt Ion:112 Resp: 236685

Ion	Ratio	Lower	Upper
112	100		
64	55.2	47.6	71.4
63	28.7	24.4	36.6

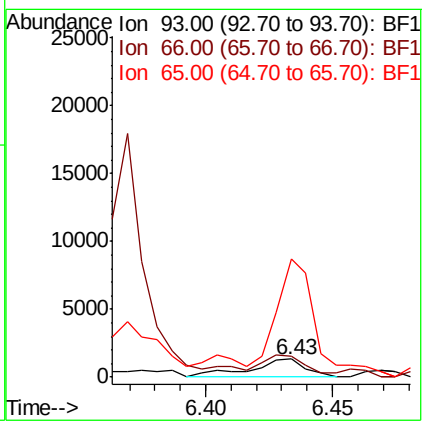


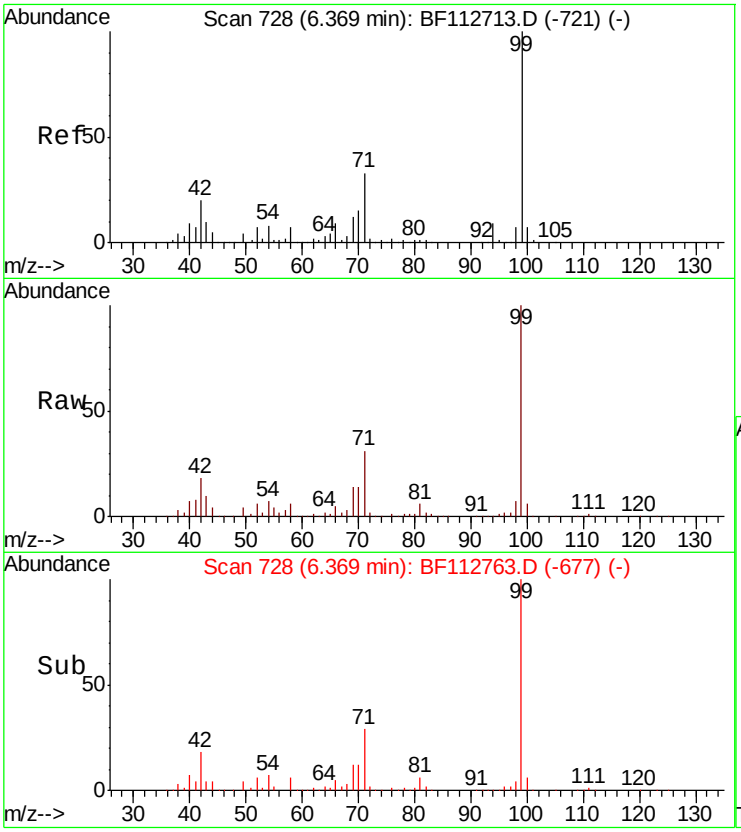


#6
Aniline
Concen: 0.102 ng
RT: 6.43 min Scan# 739
Delta R.T. 0.04 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Tgt Ion: 93 Resp: 2045

Ion	Ratio	Lower	Upper
93	100		
66	118.1	32.2	48.2#
65	650.3	16.2	24.4#



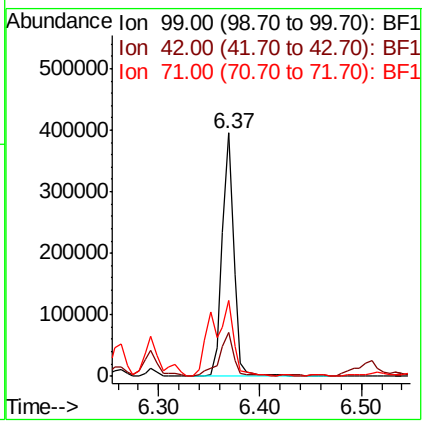


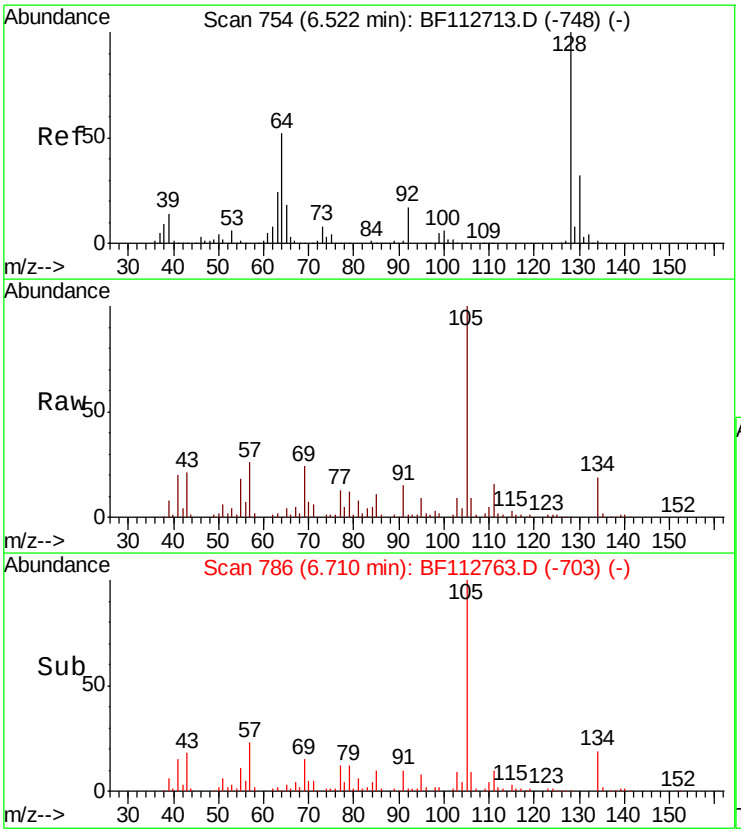
#7
Phenol-d6
Concen: 21.638 ng
RT: 6.37 min Scan# 728
Delta R.T. 0.00 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Instrument :
BNA_F
ClientSampleId :
HR-06-022719-B

Tgt Ion: 99 Resp: 315157

Ion	Ratio	Lower	Upper
99	100		
42	18.2	16.3	24.5
71	31.0	26.2	39.4

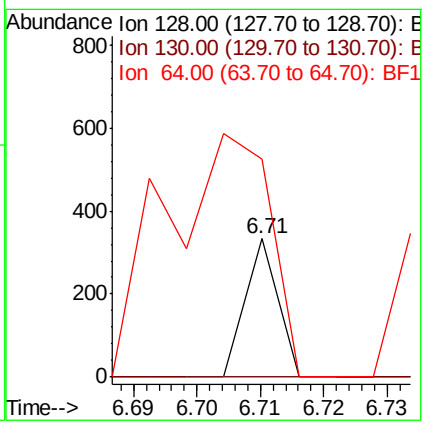


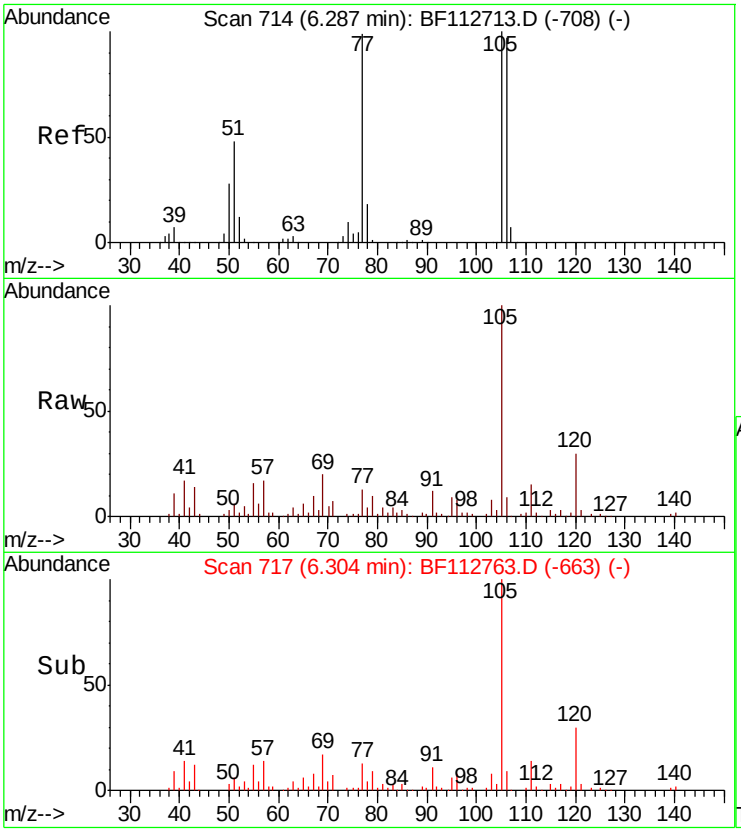


#8
2-Chlorophenol
Concen: 0.009 ng
RT: 6.71 min Scan# 786
Delta R.T. 0.19 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Tgt Ion:128 Resp: 118

Ion	Ratio	Lower	Upper
128	100		
130	0.0	12.4	52.4#
64	158.3	32.2	72.2#



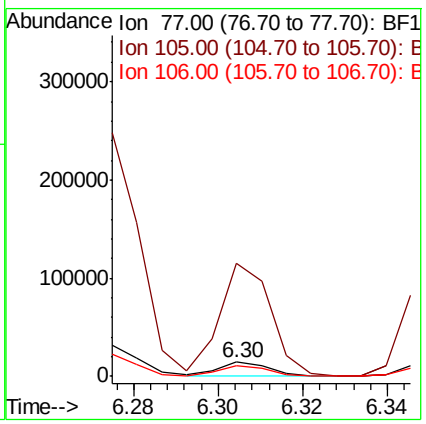


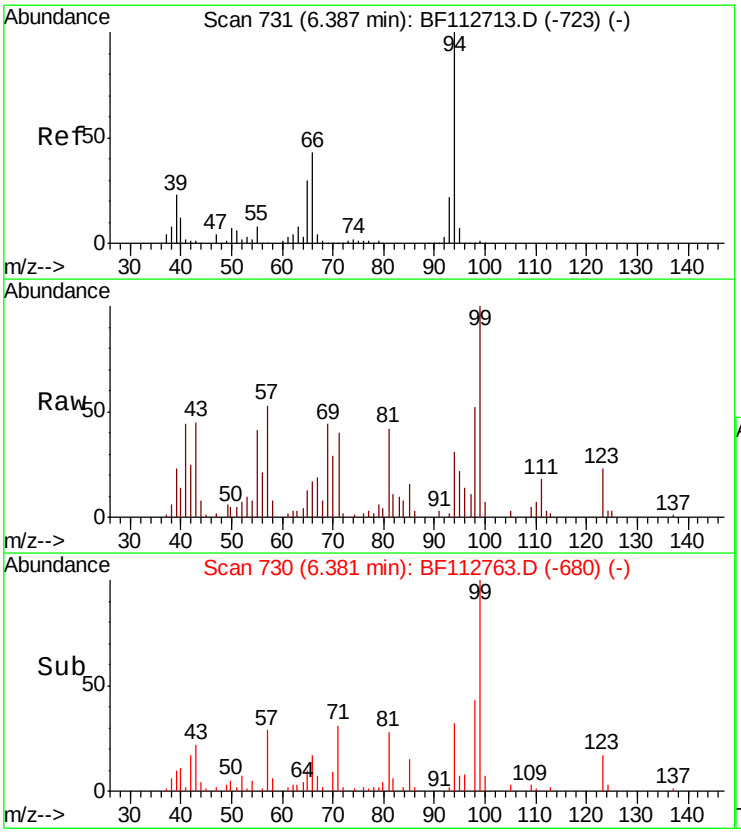
#9
Benzaldehyde
Concen: 1.101 ng
RT: 6.30 min Scan# 717
Delta R.T. 0.02 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Instrument :
BNA_F
ClientSampleId :
HR-06-022719-B

Tgt Ion: 77 Resp: 11560

Ion	Ratio	Lower	Upper
77	100		
105	779.6	81.4	121.4#
106	71.1	78.3	118.3#

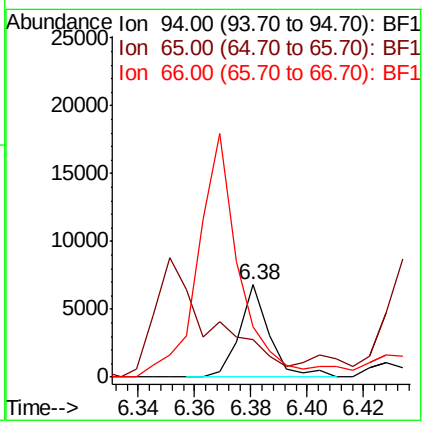


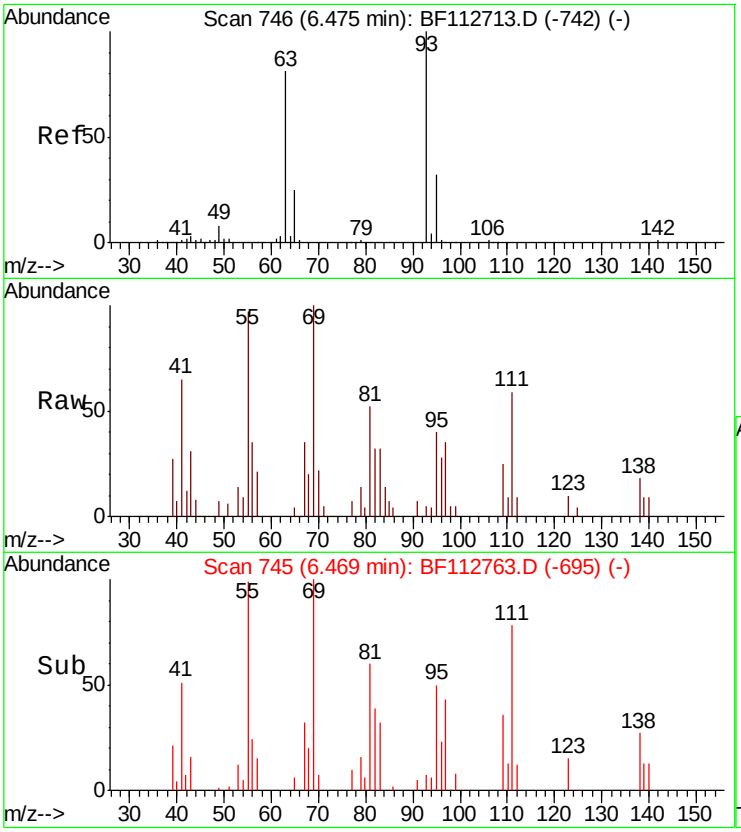


#10
Phenol
Concen: 0.298 ng
RT: 6.38 min Scan# 730
Delta R.T. -0.01 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Tgt Ion: 94 Resp: 5057

Ion	Ratio	Lower	Upper
94	100		
65	40.5	10.5	50.5
66	54.1	22.6	62.6



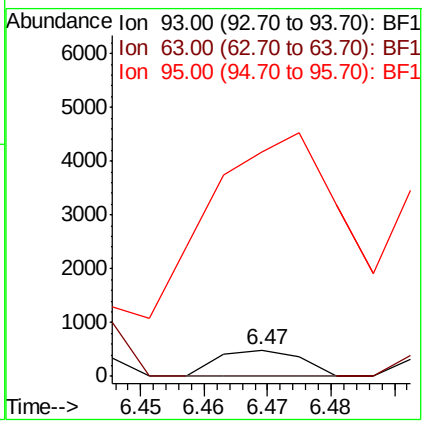


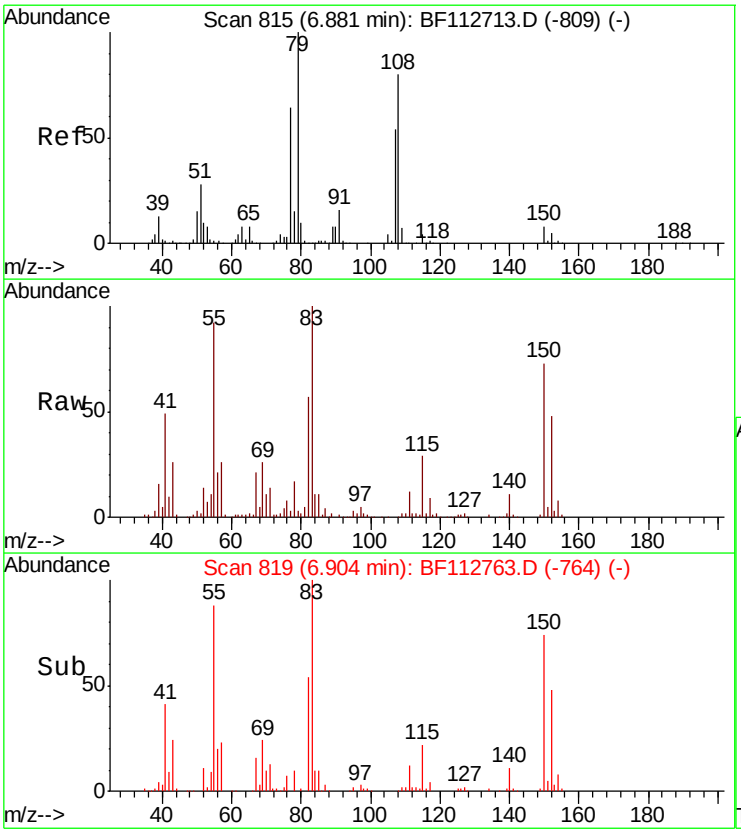
#11
bis(2-Chloroethyl)ether
Concen: 0.034 ng
RT: 6.47 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Instrument :
BNA_F
ClientSampleId :
HR-06-022719-B

Tgt Ion: 93 Resp: 446

Ion	Ratio	Lower	Upper
93	100		
63	0.0	60.5	100.5#
95	860.2	12.1	52.1#

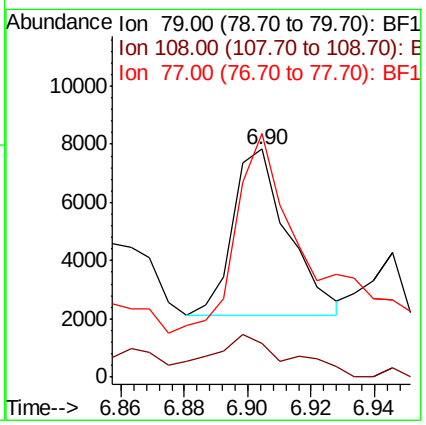


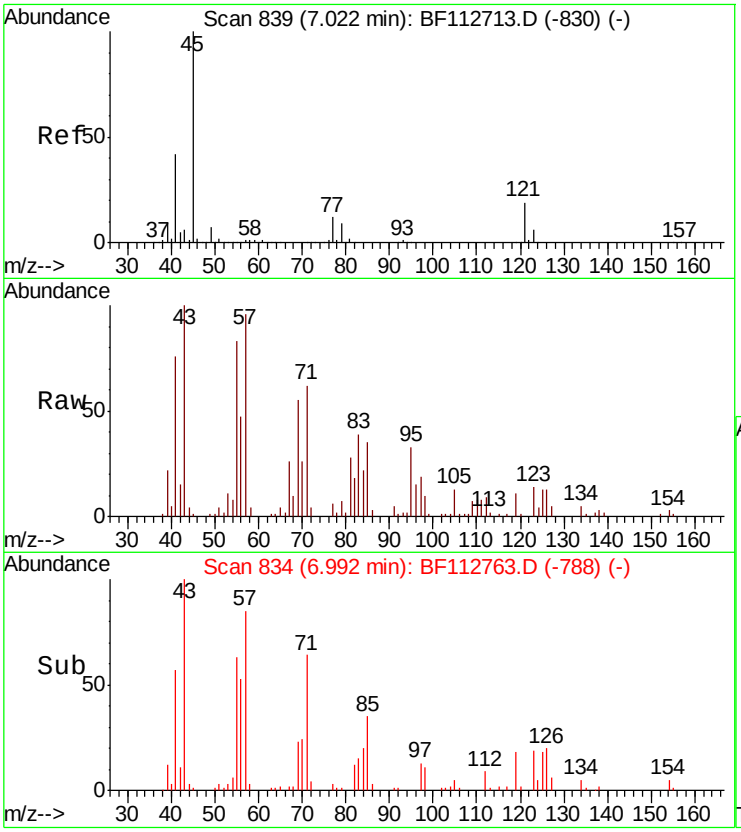


#15
Benzyl Alcohol
Concen: 0.619 ng
RT: 6.90 min Scan# 819
Delta R.T. 0.02 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Tgt Ion: 79 Resp: 6872

Ion	Ratio	Lower	Upper
79	100		
108	14.9	64.2	96.4#
77	106.8	51.1	76.7#



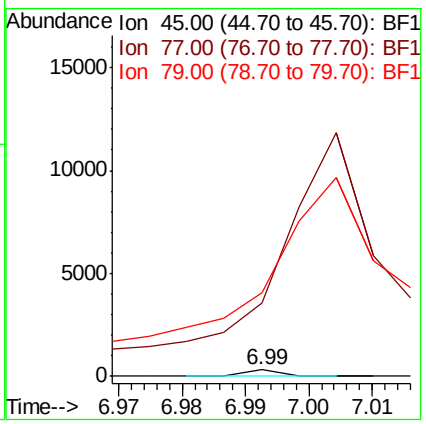


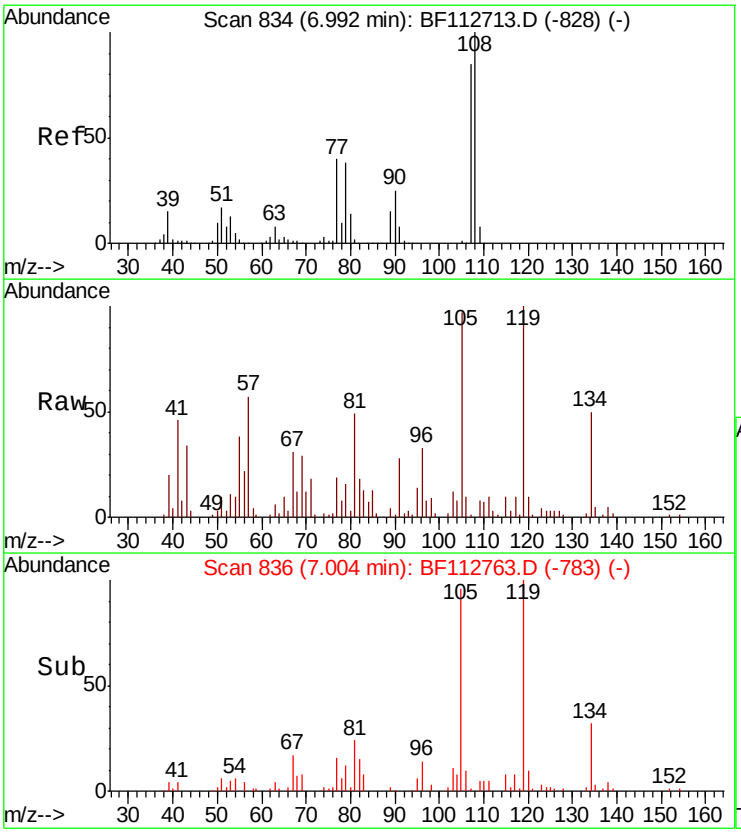
#16
2,2'-oxybis(1-Chloropropane)
Concen: 0.005 ng
RT: 6.99 min Scan# 834
Delta R.T. -0.03 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Instrument :
BNA_F
ClientSampleId :
HR-06-022719-B

Tgt Ion: 45 Resp: 109

Ion	Ratio	Lower	Upper
45	100		
77	1162.3	0.0	32.1#
79	1312.7	0.0	29.4#

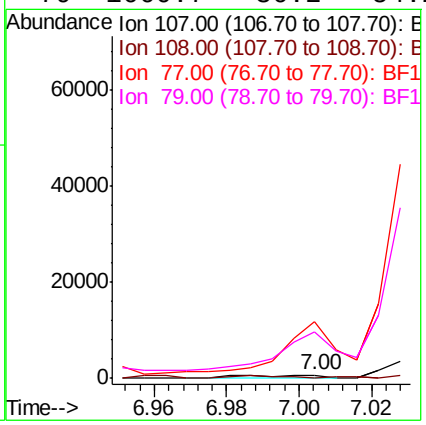


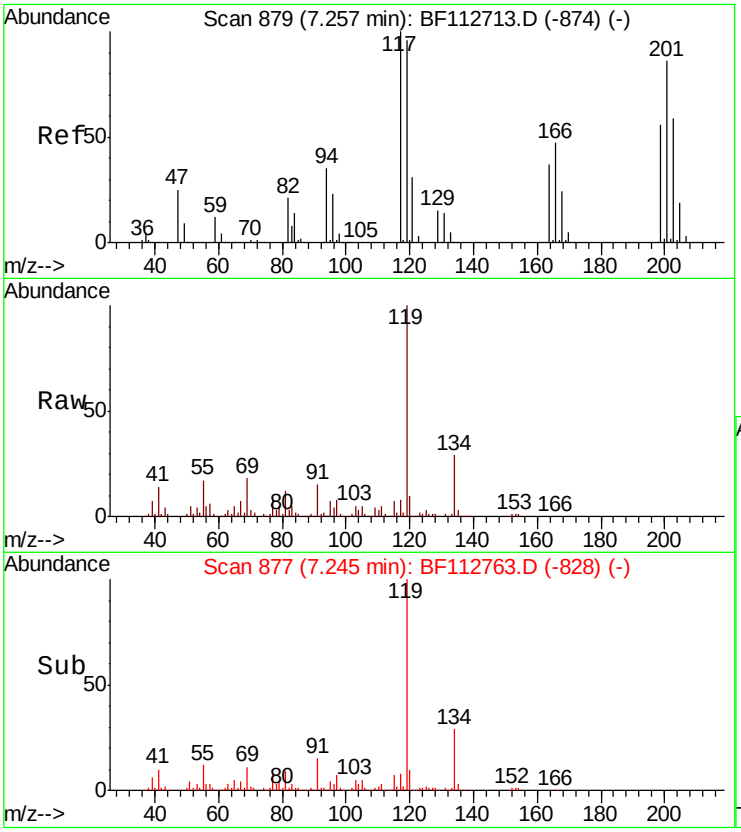


#17
2-Methylphenol
Concen: 0.079 ng
RT: 7.00 min Scan# 836
Delta R.T. 0.01 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Tgt Ion:107 Resp: 825

Ion	Ratio	Lower	Upper
107	100		
108	0.0	94.6	142.0#
77	2029.0	37.8	56.8#
79	1660.7	36.2	54.2#



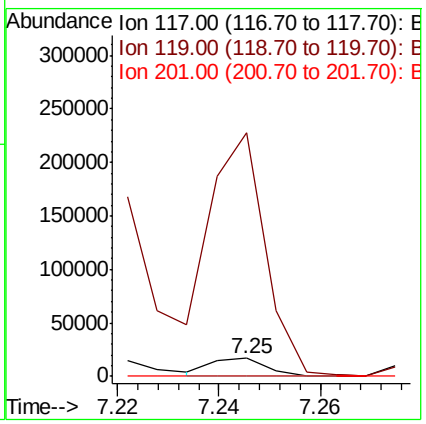


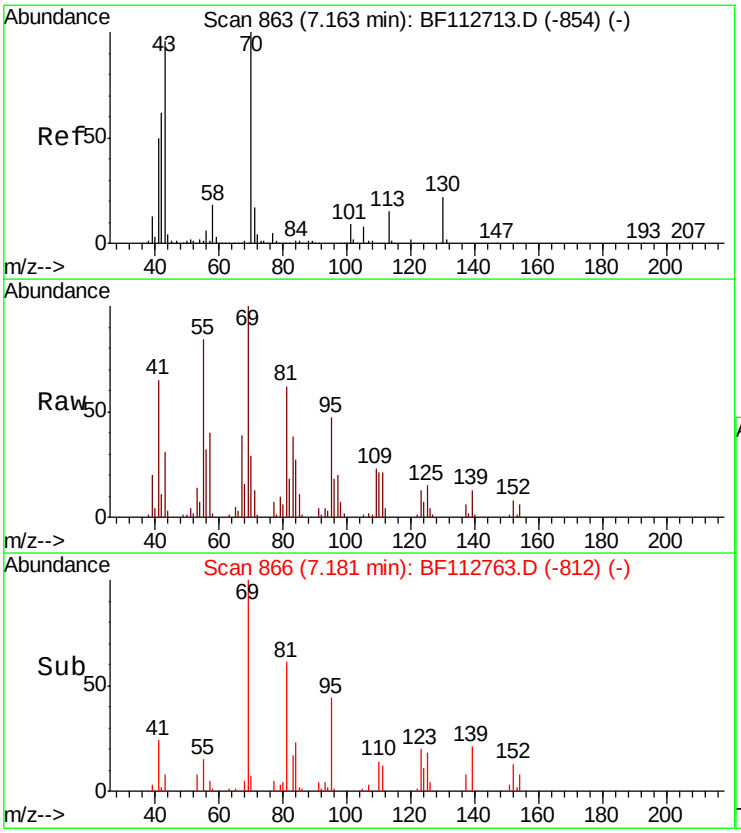
#18
Hexachloroethane
Concen: 2.509 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Instrument :
BNA_F
ClientSampleId :
HR-06-022719-B

Tgt Ion:117 Resp: 12849

Ion	Ratio	Lower	Upper
117	100		
119	1329.7	76.6	115.0#
201	0.0	68.9	103.3#

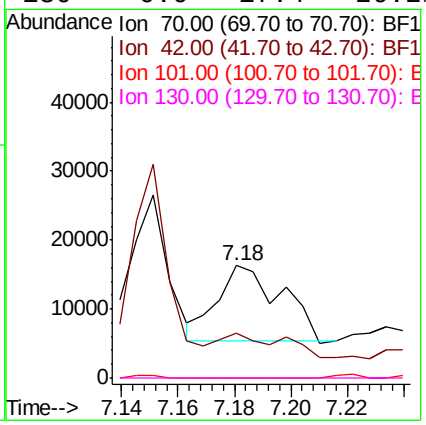


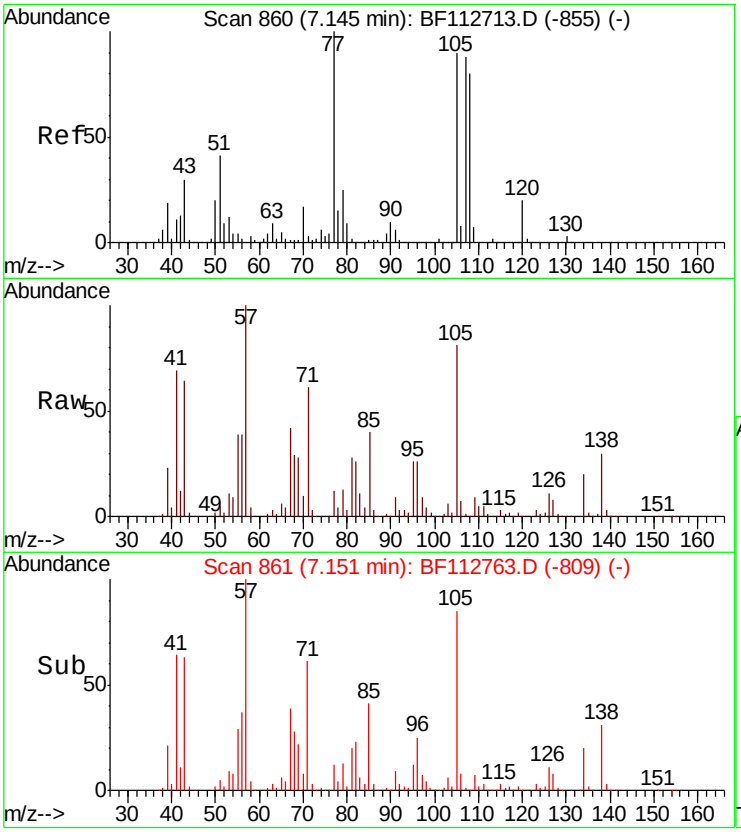


#19
n-Nitroso-di-n-propylamine
Concen: 1.818 ng
RT: 7.18 min Scan# 866
Delta R.T. 0.02 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Tgt Ion: 70 Resp: 16767

Ion	Ratio	Lower	Upper
70	100		
42	39.6	49.9	74.9#
101	0.0	7.4	11.2#
130	0.0	17.4	26.2#



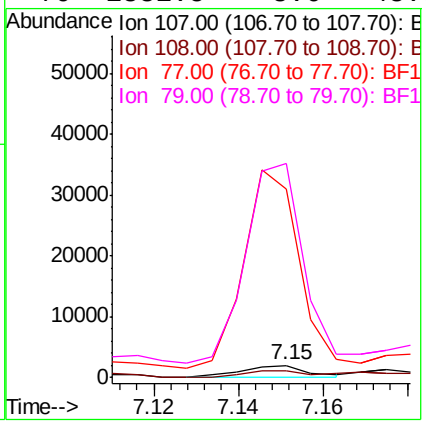


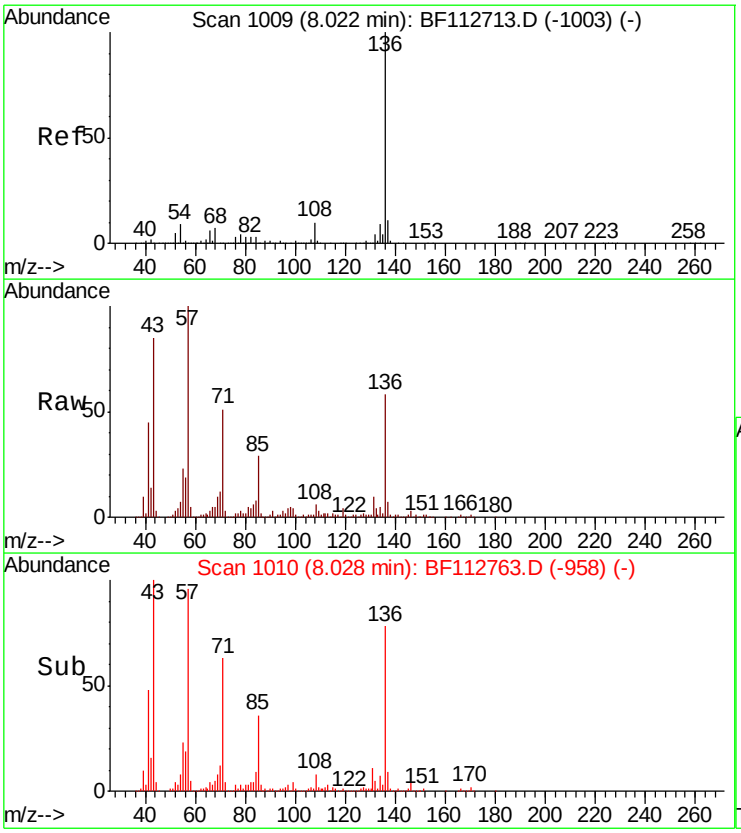
#20
3+4-Methylphenols
Concen: 0.179 ng
RT: 7.15 min Scan# 861
Delta R.T. 0.01 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Instrument :
BNA_F
ClientSampleId :
HR-06-022719-B

Tgt Ion:107 Resp: 2119

Ion	Ratio	Lower	Upper
107	100		
108	57.2	71.4	111.4#
77	1611.7	94.1	134.1#
79	1831.5	8.6	48.6#

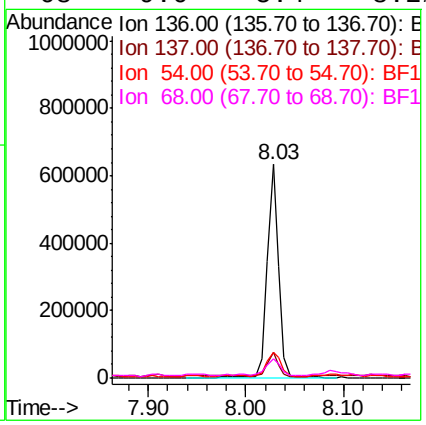


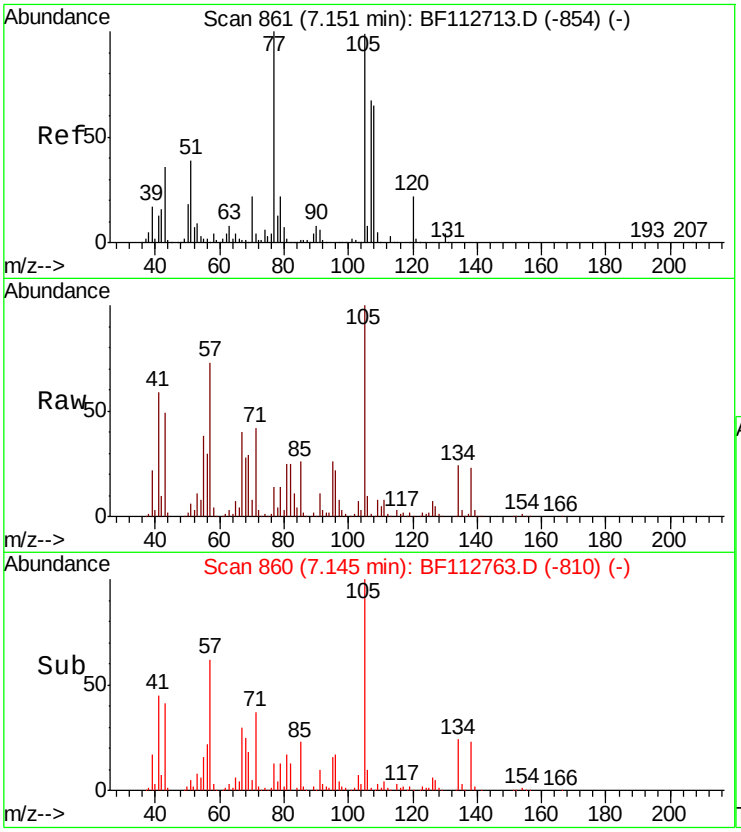


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.03 min Scan# 1010
Delta R.T. 0.01 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Tgt Ion:136 Resp: 517056

Ion	Ratio	Lower	Upper
136	100		
137	12.2	8.9	13.3
54	12.1	7.3	10.9#
68	9.0	5.4	8.2#



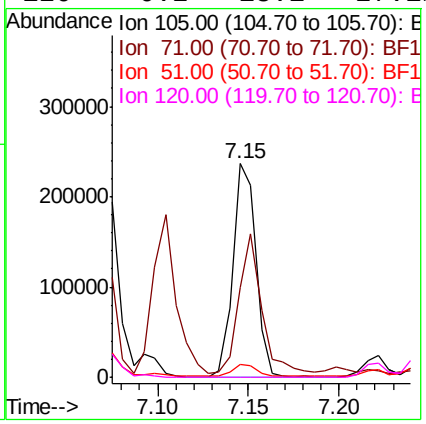


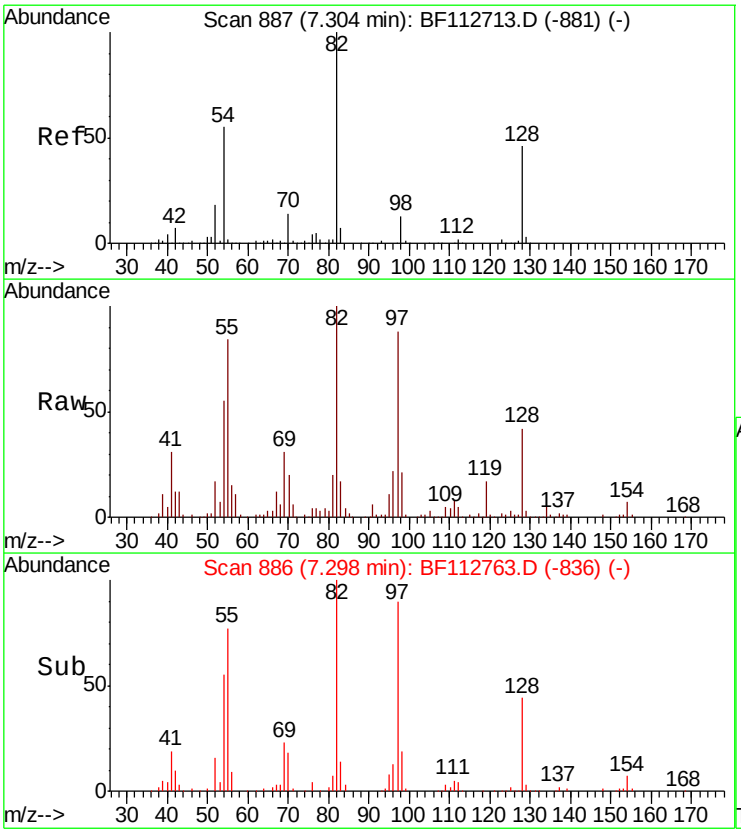
#22
Acetophenone
Concen: 17.160 ng
RT: 7.15 min Scan# 860
Delta R.T. -0.01 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Instrument :
BNA_F
ClientSampleId :
HR-06-022719-B

Tgt Ion:105 Resp: 207471

Ion	Ratio	Lower	Upper
105	100		
71	42.1	3.0	4.4#
51	6.2	31.5	47.3#
120	0.2	18.1	27.1#

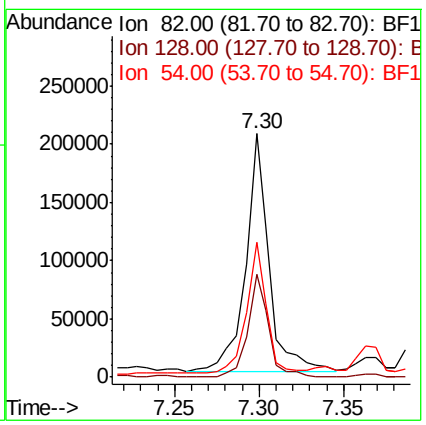


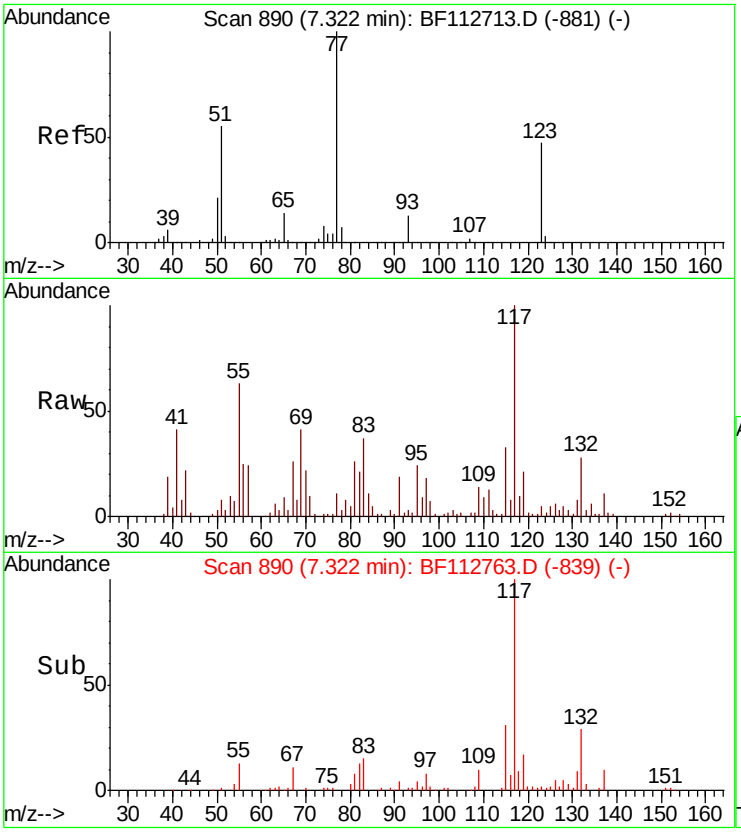


#23
Nitrobenzene-d5
Concen: 22.611 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.01 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Tgt Ion: 82 Resp: 195383

Ion	Ratio	Lower	Upper
82	100		
128	42.4	36.3	54.5
54	55.2	43.7	65.5



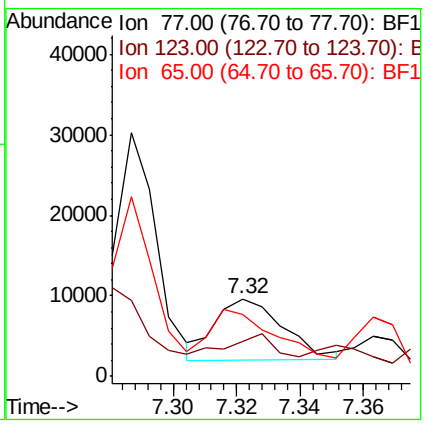


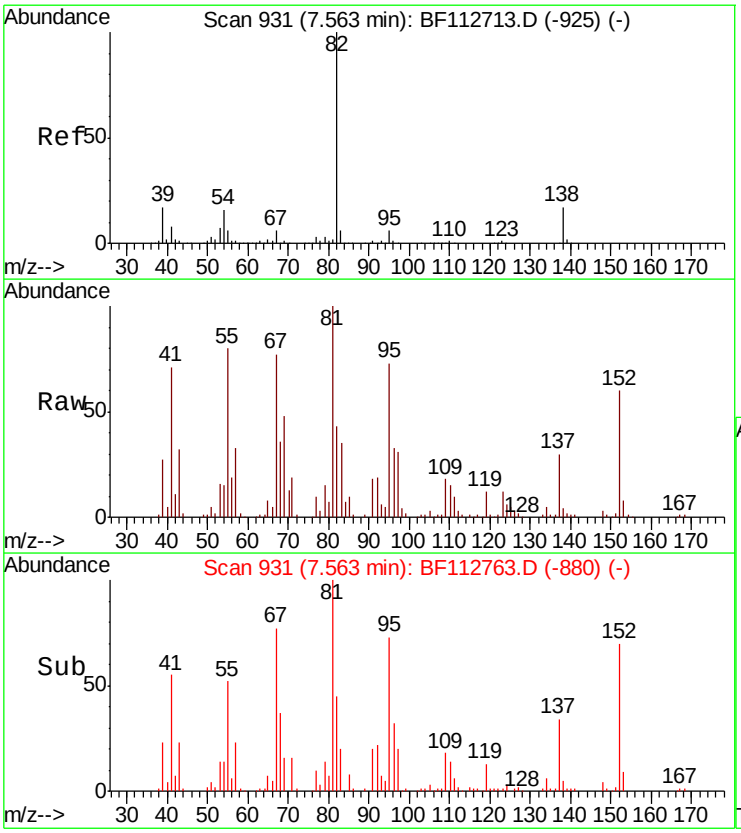
#24
Nitrobenzene
Concen: 1.179 ng
RT: 7.32 min Scan# 890
Delta R.T. 0.00 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Instrument :
BNA_F
ClientSampleId :
HR-06-022719-B

Tgt Ion: 77 Resp: 11341

Ion	Ratio	Lower	Upper
77	100		
123	45.3	37.8	56.6
65	80.4	11.1	16.7#

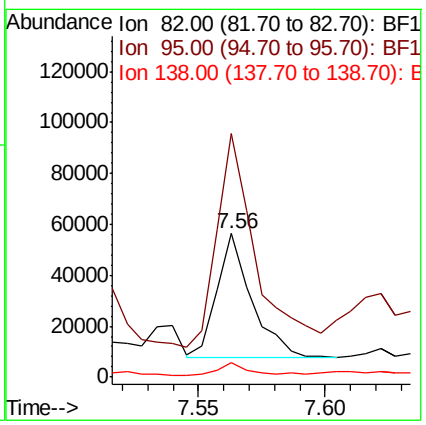


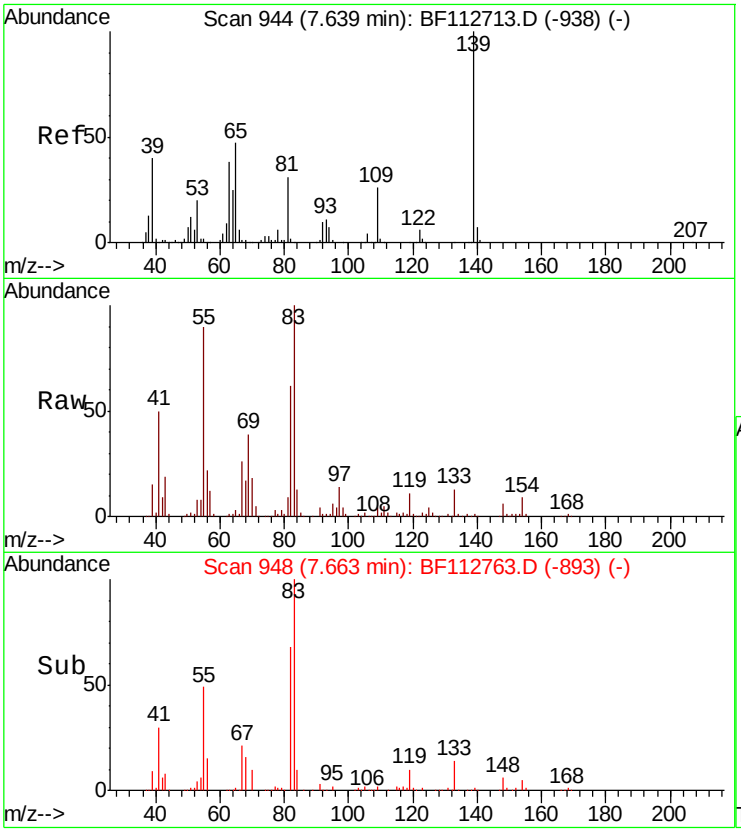


#25
Isophorone
Concen: 2.483 ng
RT: 7.56 min Scan# 931
Delta R.T. 0.00 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Tgt Ion: 82 Resp: 46218

Ion	Ratio	Lower	Upper
82	100		
95	169.7	5.2	7.8#
138	10.2	13.8	20.8#



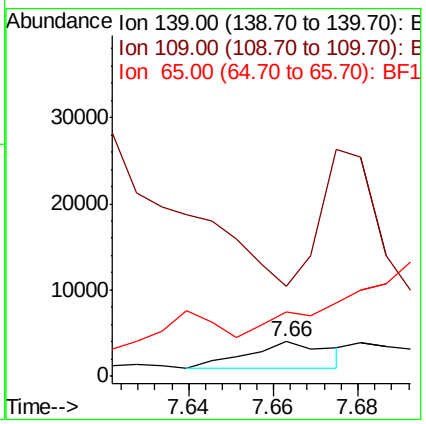


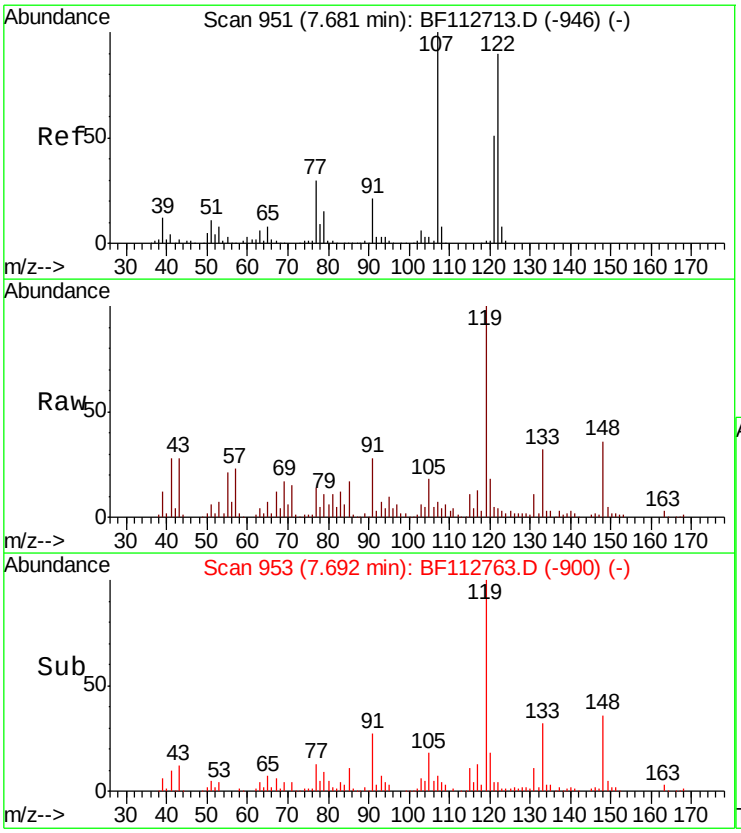
#26
2-Nitrophenol
Concen: 1.006 ng
RT: 7.66 min Scan# 948
Delta R.T. 0.02 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Instrument :
BNA_F
ClientSampleId :
HR-06-022719-B

Tgt Ion:139 Resp: 4028

Ion	Ratio	Lower	Upper
139	100		
109	260.5	20.6	31.0#
65	185.5	37.9	56.9#

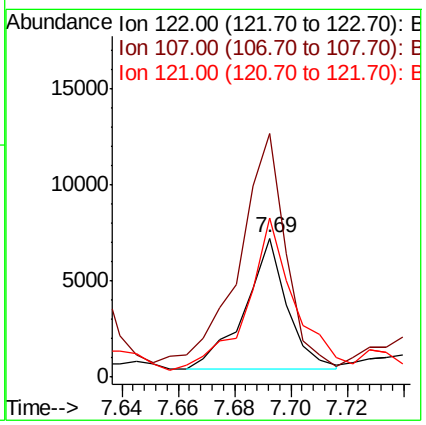


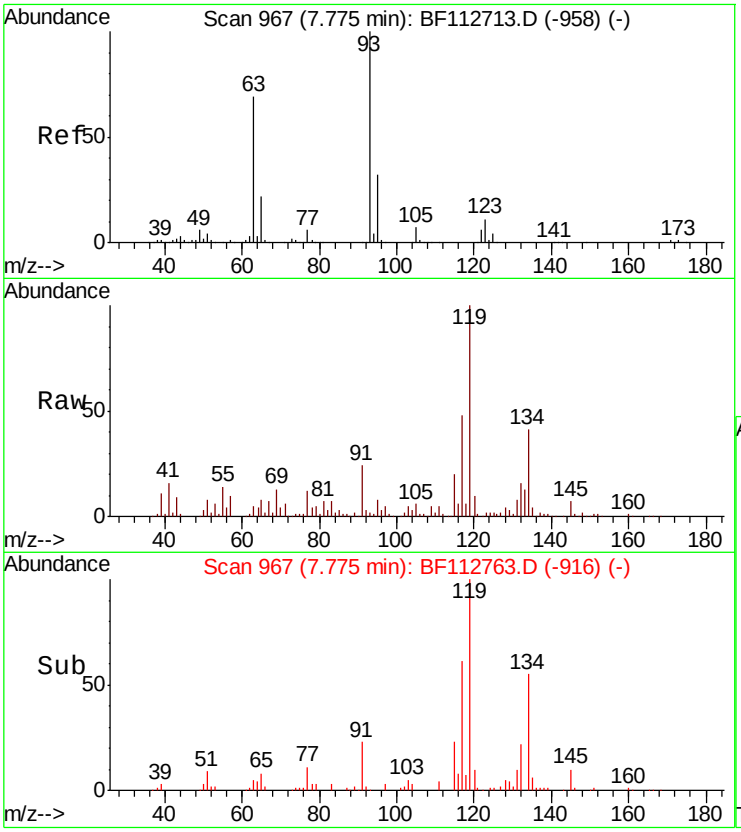


#27
2,4-Dimethylphenol
Concen: 0.958 ng
RT: 7.69 min Scan# 953
Delta R.T. 0.01 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Tgt Ion:122 Resp: 7138

Ion	Ratio	Lower	Upper
122	100		
107	175.5	89.4	134.0#
121	114.4	45.5	68.3#



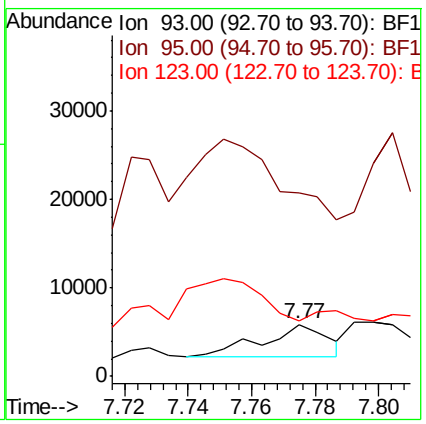


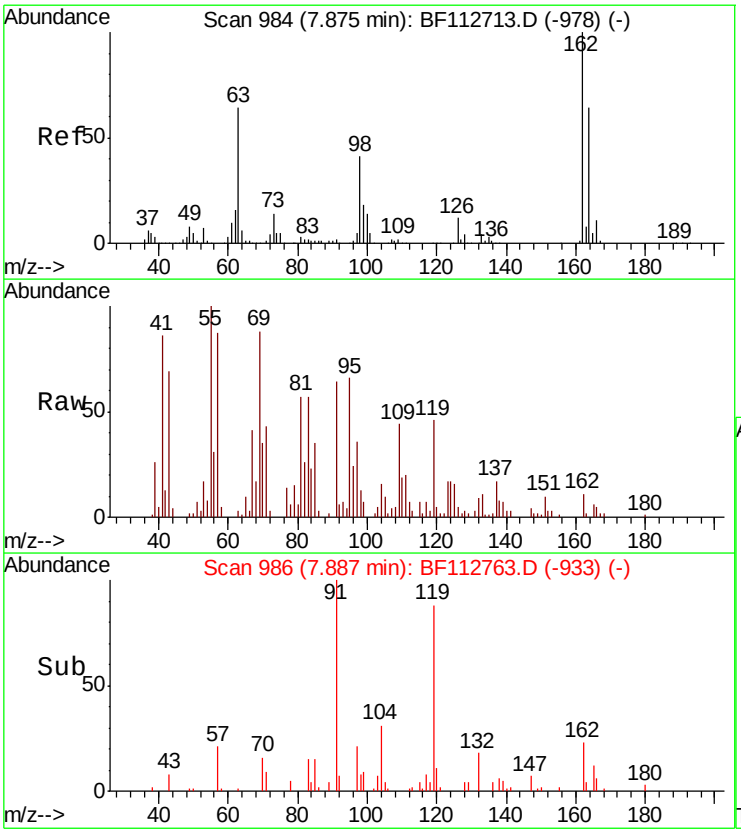
#28
bis(2-Chloroethoxy)methane
Concen: 0.465 ng
RT: 7.77 min Scan# 967
Delta R.T. 0.00 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Instrument :
BNA_F
ClientSampleId :
HR-06-022719-B

Tgt Ion: 93 Resp: 5408

Ion	Ratio	Lower	Upper
93	100		
95	353.7	26.0	39.0#
123	105.8	9.3	13.9#

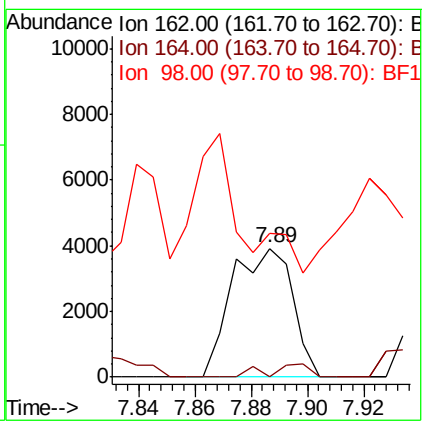


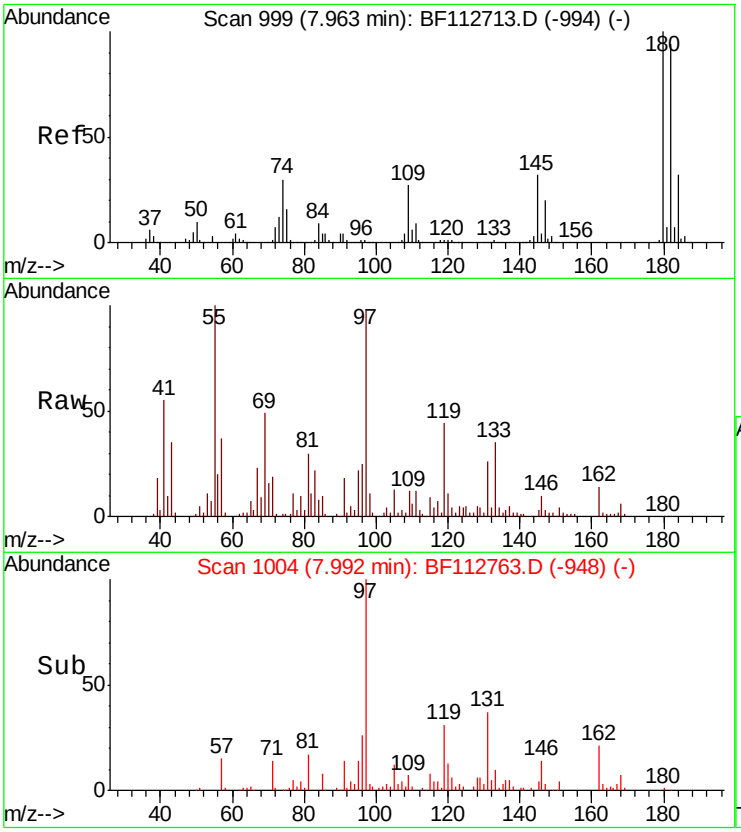


#29
2,4-Dichlorophenol
Concen: 0.806 ng
RT: 7.89 min Scan# 986
Delta R.T. 0.01 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Tgt Ion:162 Resp: 5818

Ion	Ratio	Lower	Upper
162	100		
164	0.0	44.0	84.0#
98	112.2	20.7	60.7#



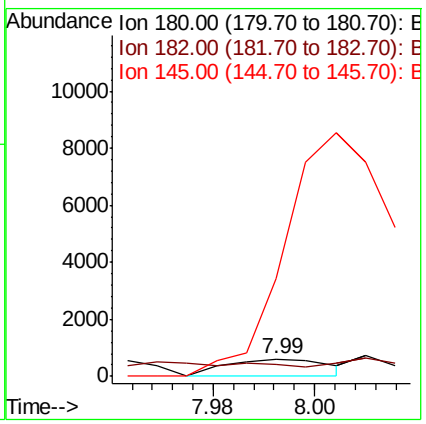


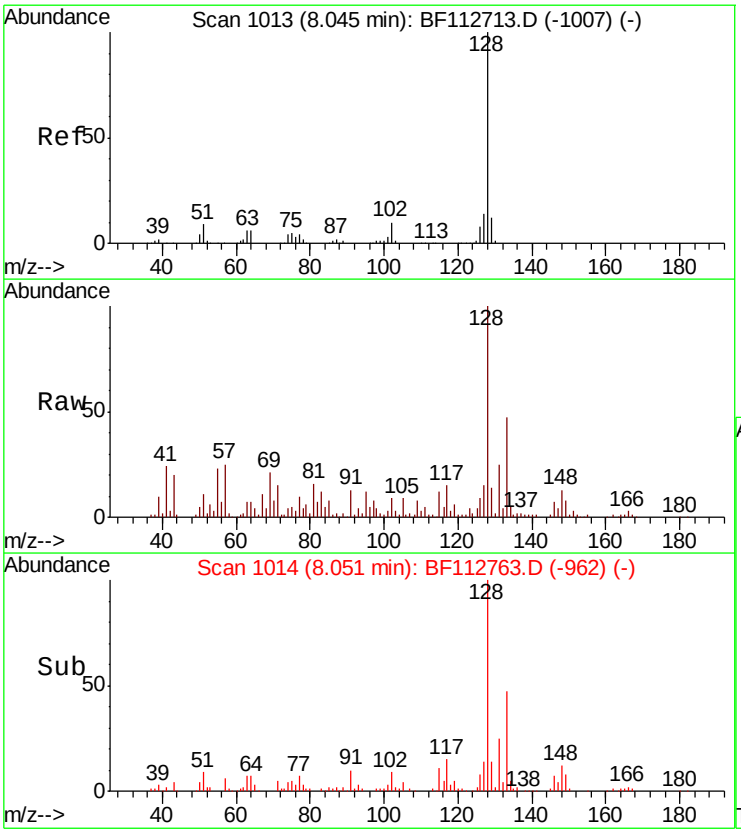
#30
1,2,4-Trichlorobenzene
Concen: 0.109 ng
RT: 7.99 min Scan# 1004
Delta R.T. 0.03 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Instrument :
BNA_F
ClientSampleId :
HR-06-022719-B

Tgt Ion:180 Resp: 849

Ion	Ratio	Lower	Upper
180	100		
182	66.1	75.2	112.8#
145	566.4	25.4	38.0#

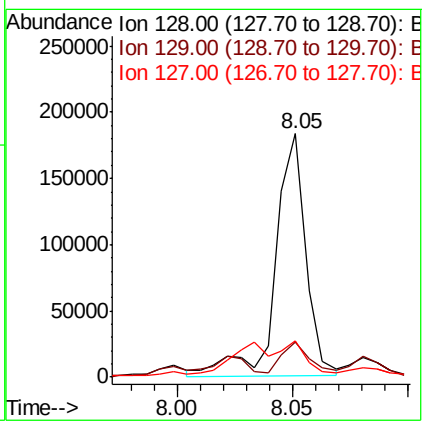


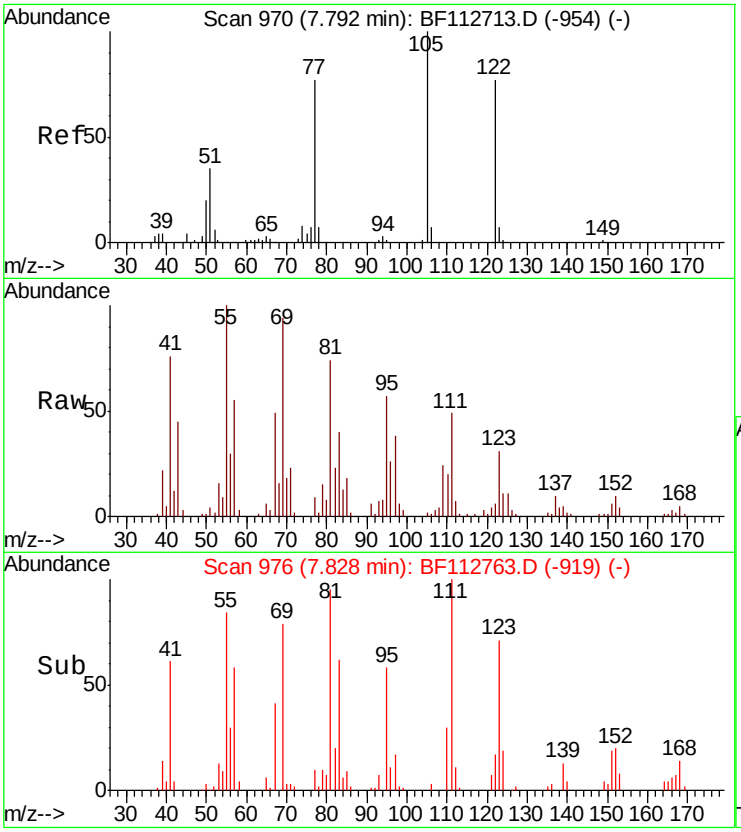


#31
Naphthalene
Concen: 6.494 ng
RT: 8.05 min Scan# 1014
Delta R.T. 0.01 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Tgt Ion:128 Resp: 166703

Ion	Ratio	Lower	Upper
128	100		
129	14.1	9.3	13.9#
127	14.7	10.9	16.3



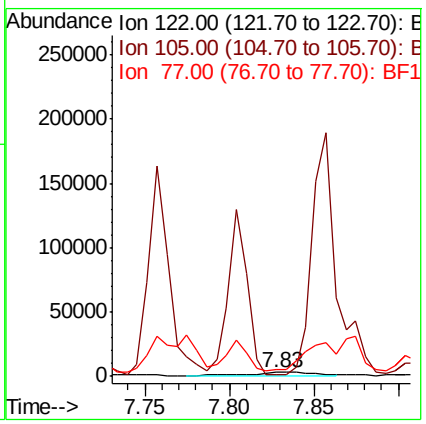


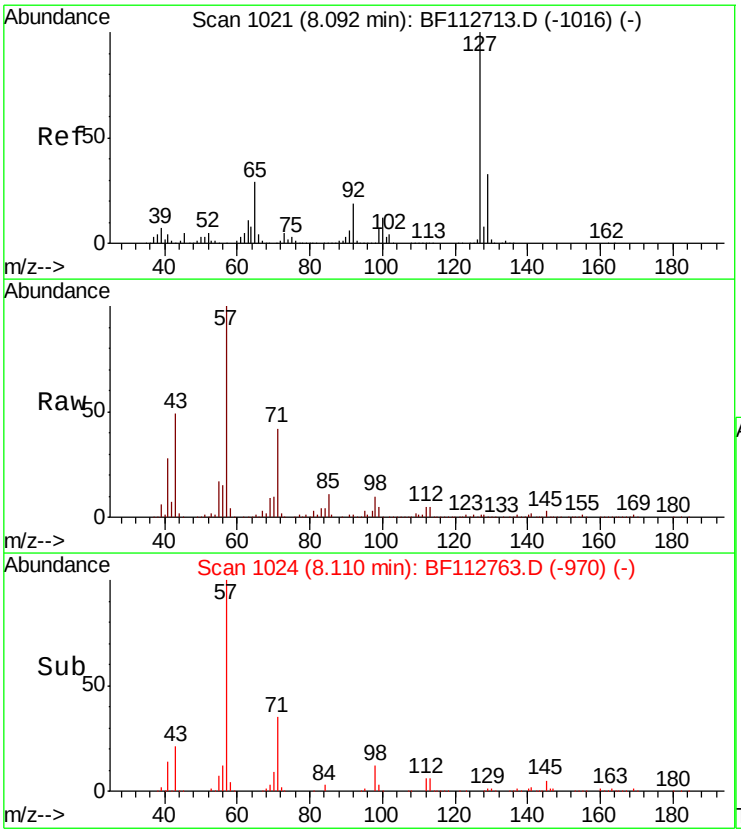
#32
Benzoic acid
Concen: 1.255 ng
RT: 7.83 min Scan# 976
Delta R.T. 0.04 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Instrument :
BNA_F
ClientSampleId :
HR-06-022719-B

Tgt Ion:122 Resp: 6549

Ion	Ratio	Lower	Upper
122	100		
105	40.2	106.8	146.8#
77	162.9	79.4	119.4#

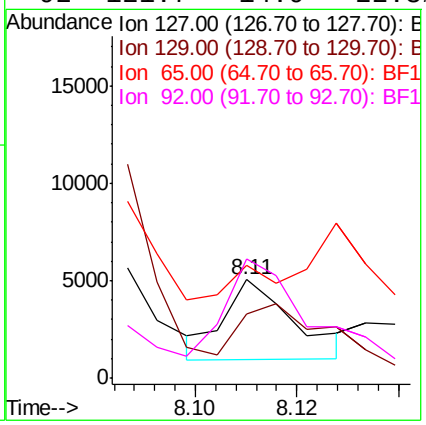


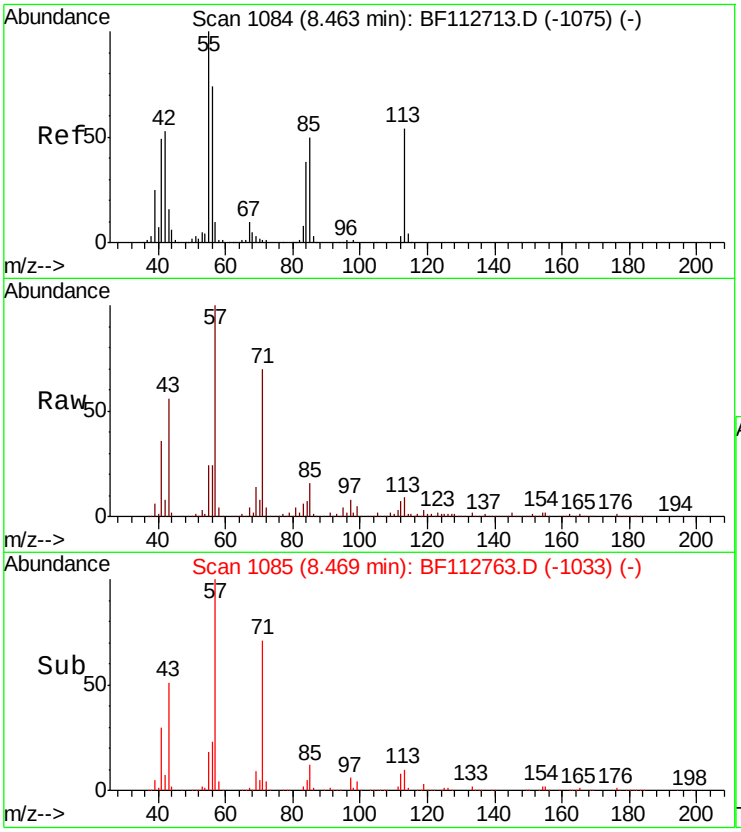


#33
4-Chloroaniline
Concen: 0.359 ng
RT: 8.11 min Scan# 1024
Delta R.T. 0.02 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Tgt Ion:127 Resp: 3899

Ion	Ratio	Lower	Upper
127	100		
129	65.3	26.4	39.6#
65	114.3	23.1	34.7#
92	121.7	14.9	22.3#



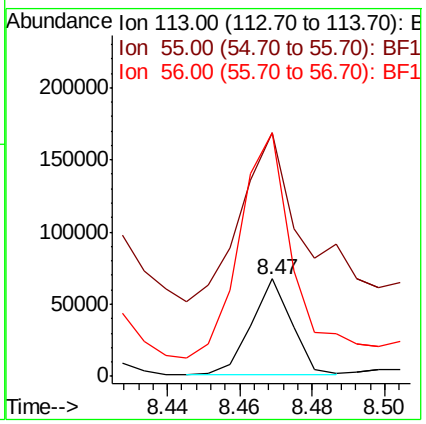


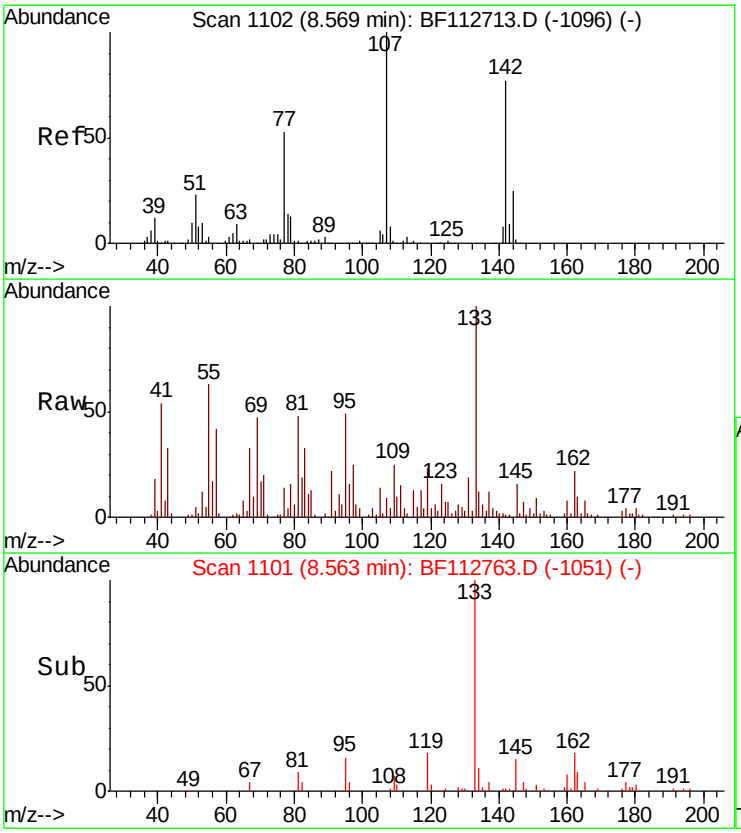
#35
Caprolactam
Concen: 20.278 ng
RT: 8.47 min Scan# 1085
Delta R.T. 0.01 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Instrument :
BNA_F
ClientSampleId :
HR-06-022719-B

Tgt Ion:113 Resp: 51586

Ion	Ratio	Lower	Upper
113	100		
55	250.5	163.5	203.5#
56	250.0	115.3	155.3#

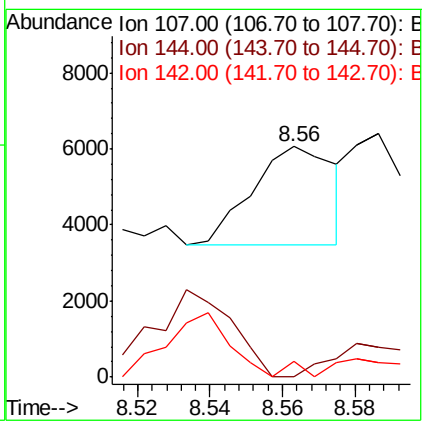


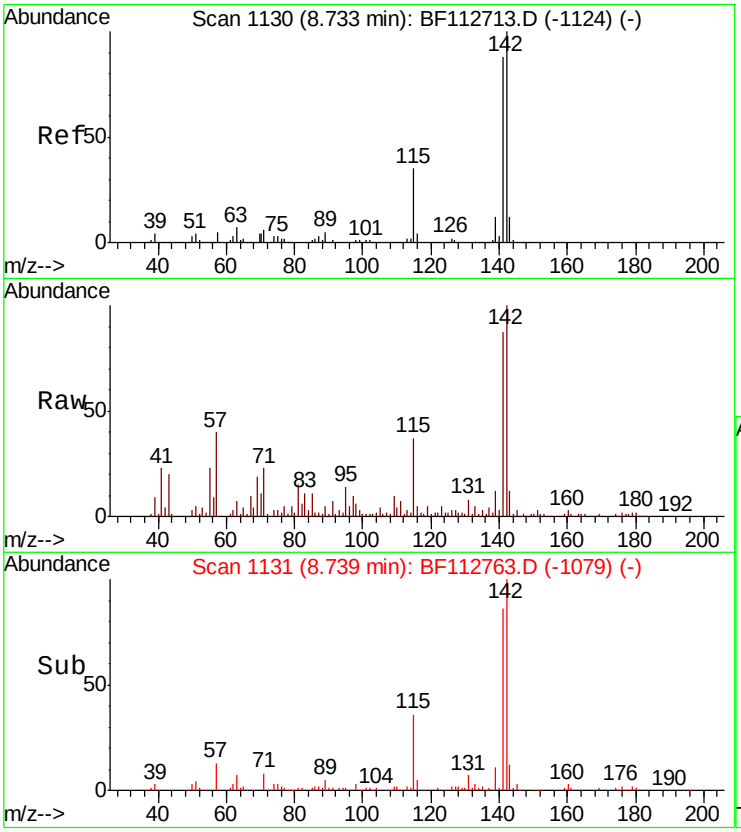


#36
4-Chloro-3-methylphenol
Concen: 0.509 ng
RT: 8.56 min Scan# 1101
Delta R.T. -0.01 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Tgt Ion:107 Resp: 4065

Ion	Ratio	Lower	Upper
107	100		
144	0.0	20.1	30.1#
142	6.8	61.9	92.9#



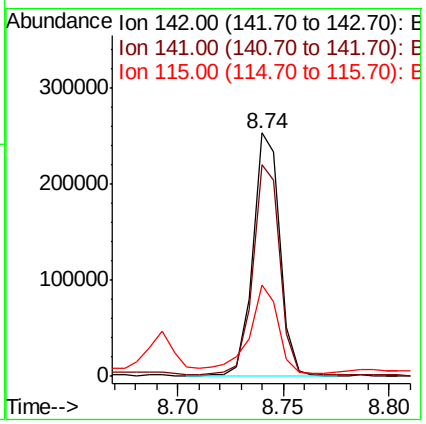


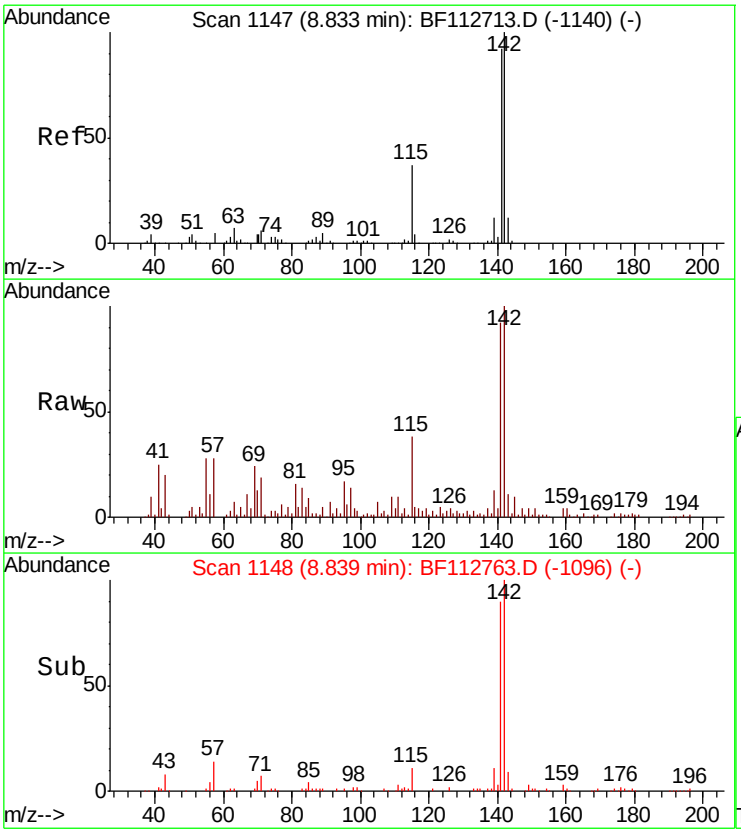
#37
2-Methylnaphthalene
Concen: 13.562 ng
RT: 8.74 min Scan# 1131
Delta R.T. 0.01 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Instrument :
BNA_F
ClientSampleId :
HR-06-022719-B

Tgt Ion:142 Resp: 224829

Ion	Ratio	Lower	Upper
142	100		
141	87.1	70.3	105.5
115	37.4	27.8	41.6

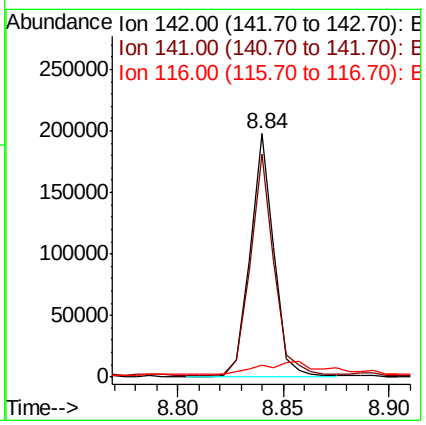


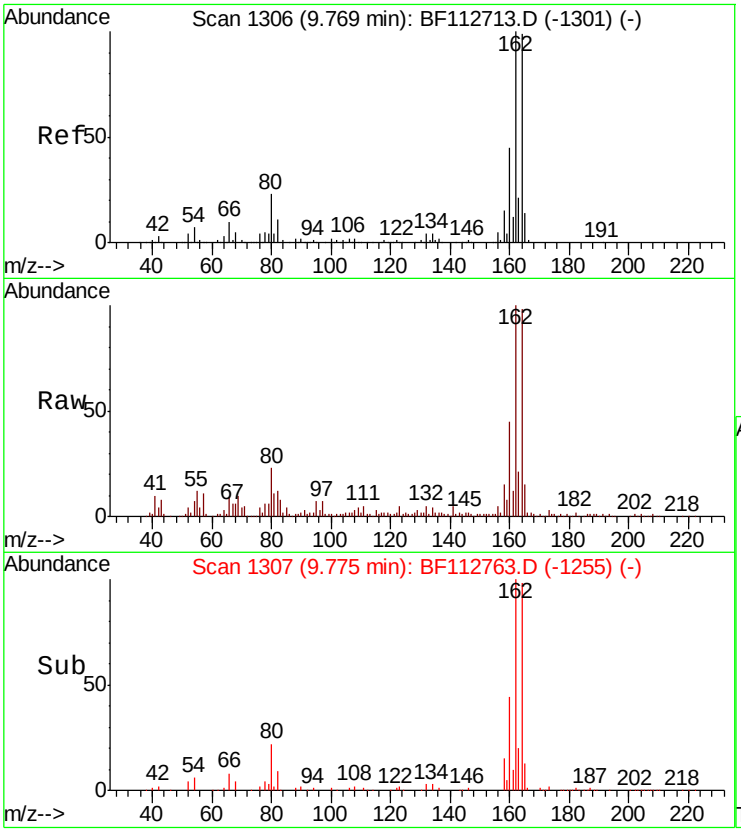


#38
1-Methylnaphthalene
Concen: 9.638 ng
RT: 8.84 min Scan# 1148
Delta R.T. 0.01 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Tgt Ion:142 Resp: 154769

Ion	Ratio	Lower	Upper
142	100		
141	91.6	73.7	110.5
116	5.0	3.1	4.7#



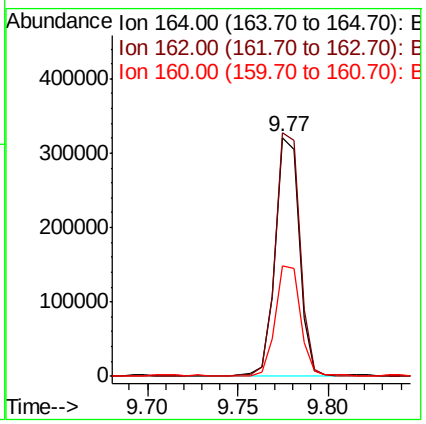


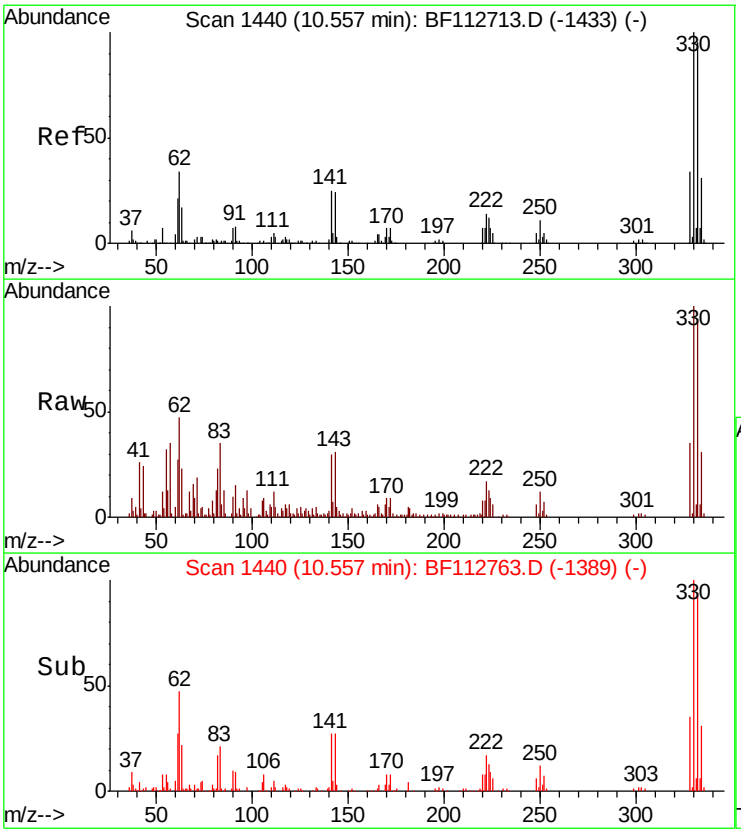
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1307
Delta R.T. 0.01 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Instrument :
BNA_F
ClientSampleId :
HR-06-022719-B

Tgt Ion:164 Resp: 293476

Ion	Ratio	Lower	Upper
164	100		
162	101.9	80.6	120.8
160	46.0	36.0	54.0

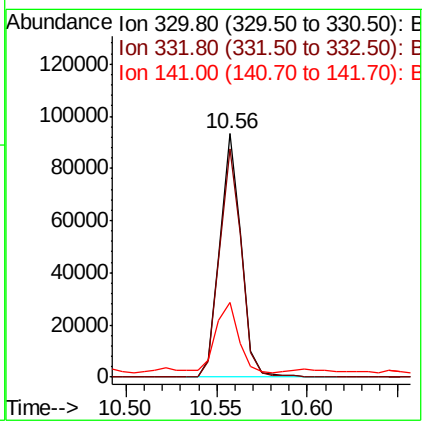


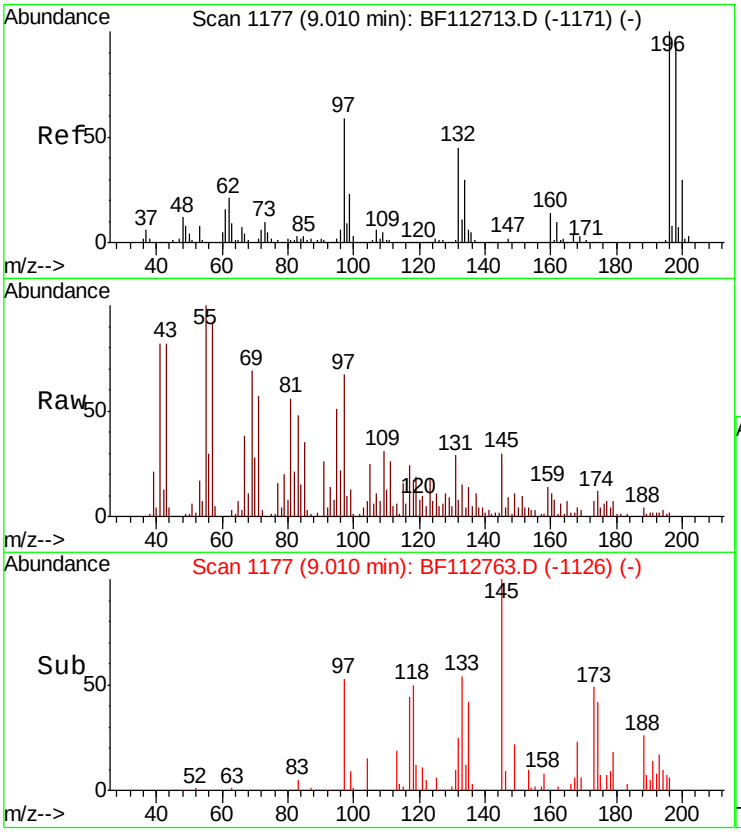


#42
2,4,6-Tribromophenol
Concen: 24.468 ng
RT: 10.56 min Scan# 1440
Delta R.T. 0.00 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Tgt Ion:330 Resp: 76234

Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.2	114.4
141	30.5	27.0	40.6



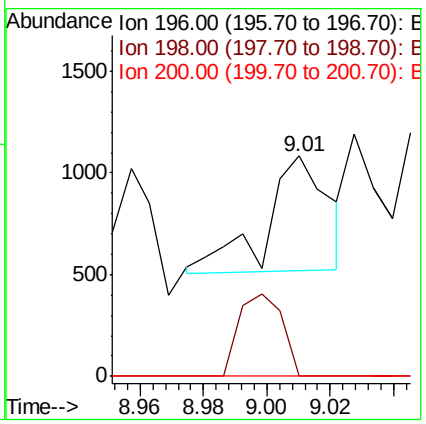


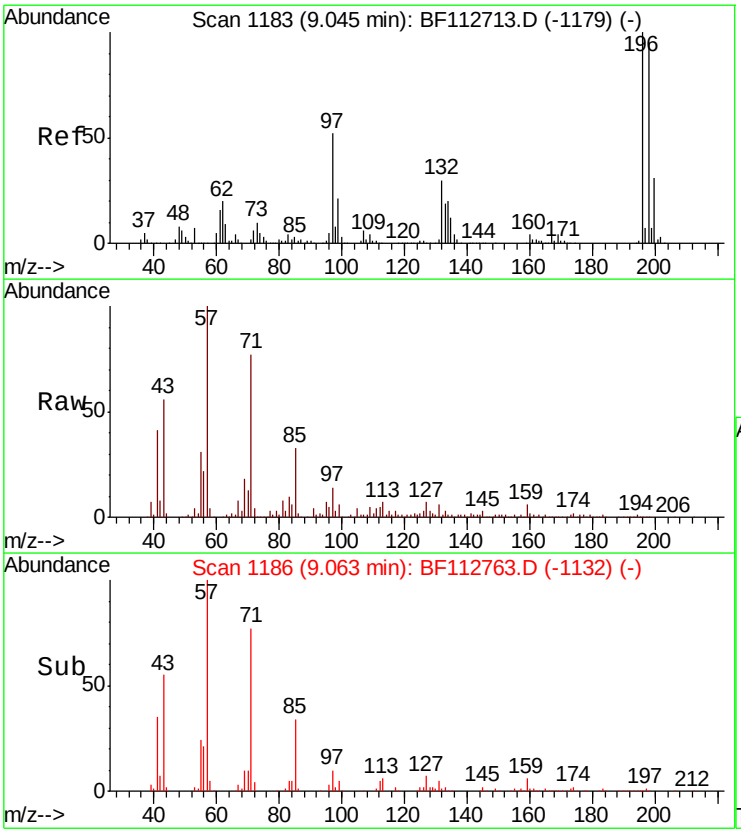
#43
2,4,6-Trichlorophenol
Concen: 0.130 ng
RT: 9.01 min Scan# 1177
Delta R.T. 0.00 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Instrument :
BNA_F
ClientSampleId :
HR-06-022719-B

Tgt Ion:196 Resp: 766

Ion	Ratio	Lower	Upper
196	100		
198	0.0	75.8	113.8#
200	0.0	24.3	36.5#

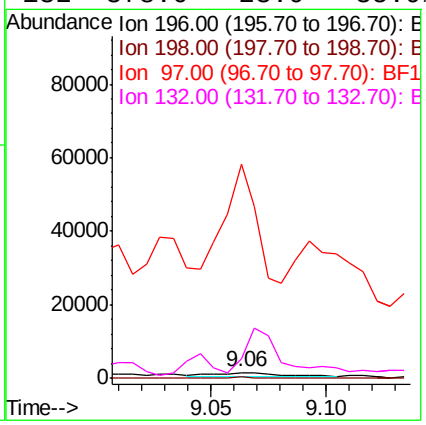


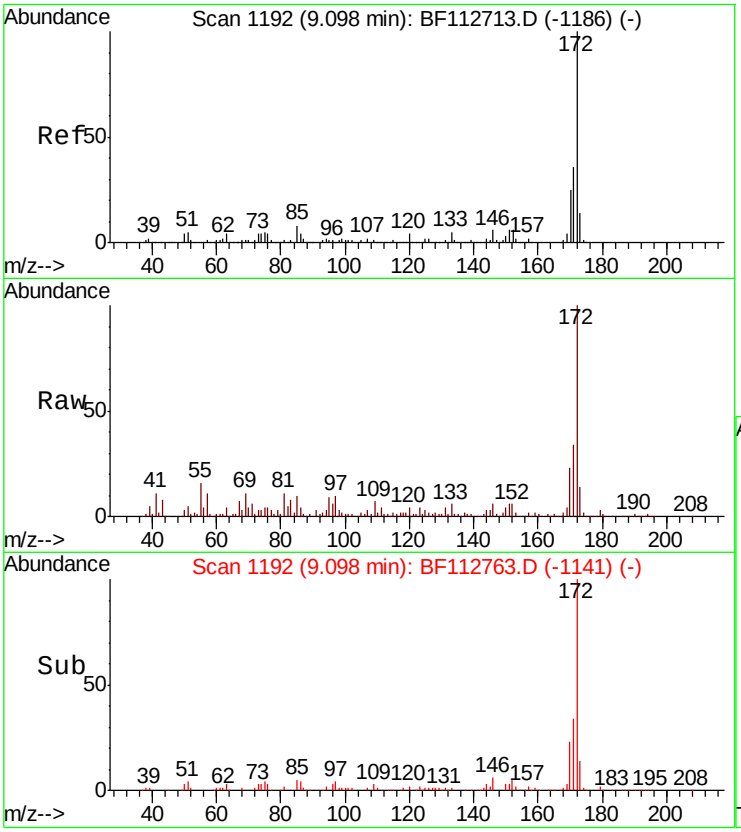


#44
2,4,5-Trichlorophenol
Concen: 0.339 ng
RT: 9.06 min Scan# 1186
Delta R.T. 0.02 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Tgt Ion:196 Resp: 2159

Ion	Ratio	Lower	Upper
196	100		
198	26.4	76.2	114.2#
97	4140.6	41.5	62.3#
132	378.0	23.9	35.9#



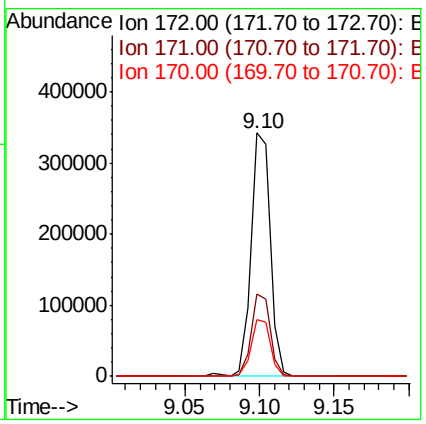


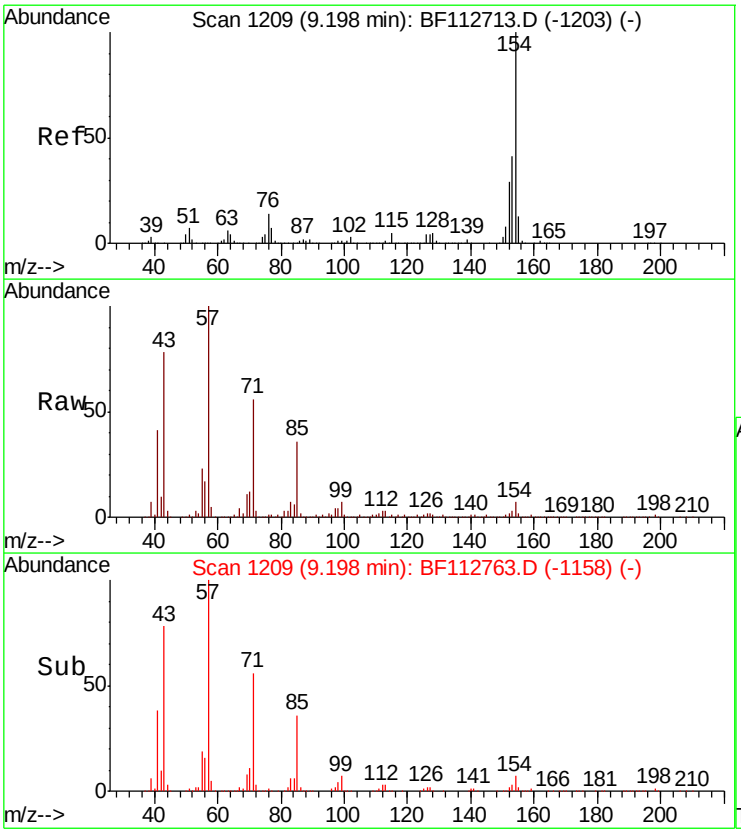
#45
2-Fluorobiphenyl
Concen: 5.381 ng
RT: 9.10 min Scan# 1192
Delta R.T. 0.00 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Instrument :
BNA_F
ClientSampleId :
HR-06-022719-B

Tgt Ion:172 Resp: 303231

Ion	Ratio	Lower	Upper
172	100		
171	33.8	29.0	43.4
170	23.4	20.0	30.0

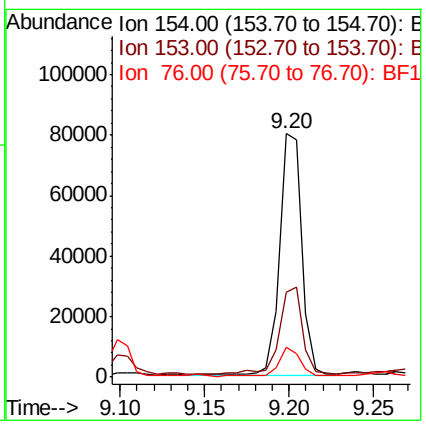


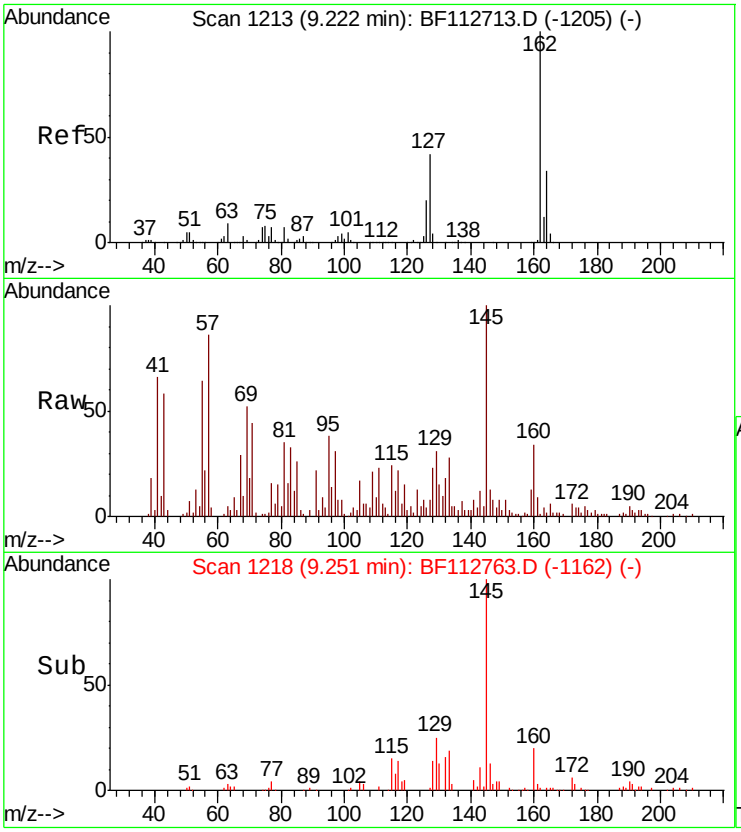


#46
1,1'-Biphenyl
Concen: 3.052 ng
RT: 9.20 min Scan# 1209
Delta R.T. 0.00 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Tgt Ion:154 Resp: 73047

Ion	Ratio	Lower	Upper
154	100		
153	35.0	20.8	60.8
76	12.3	0.0	33.8



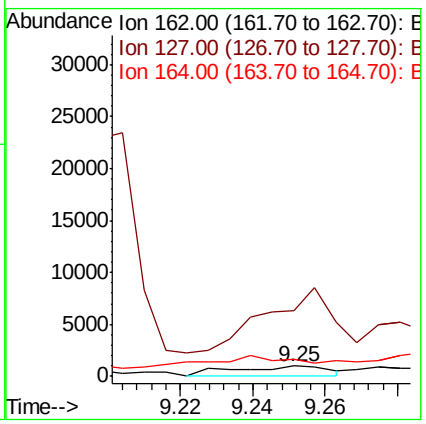


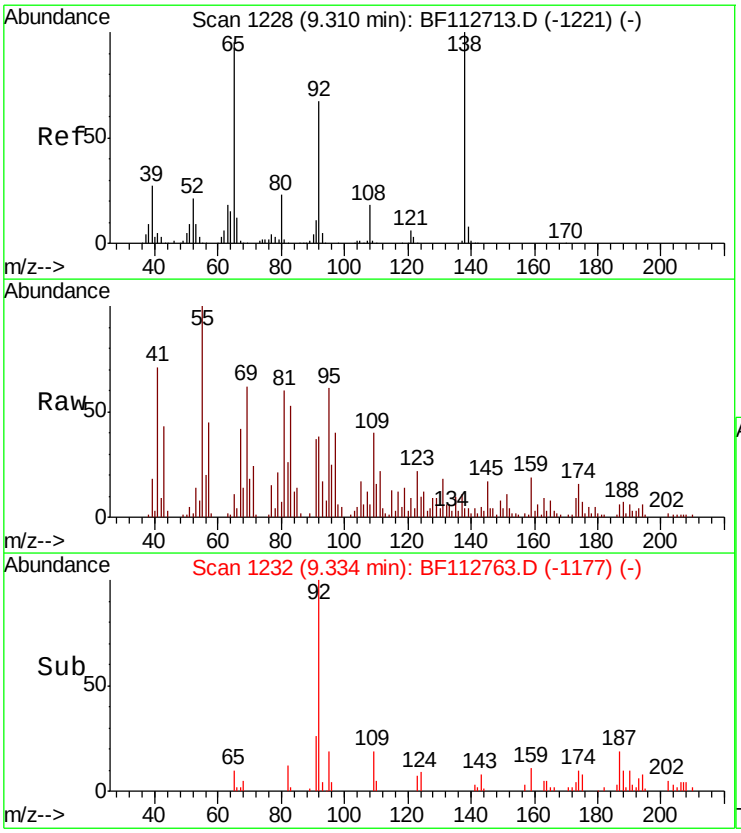
#47
2-Chloronaphthalene
Concen: 0.096 ng
RT: 9.25 min Scan# 1218
Delta R.T. 0.03 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Instrument :
BNA_F
ClientSampleId :
HR-06-022719-B

Tgt Ion:162 Resp: 1798

Ion	Ratio	Lower	Upper
162	100		
127	635.5	33.4	50.2#
164	158.8	26.9	40.3#

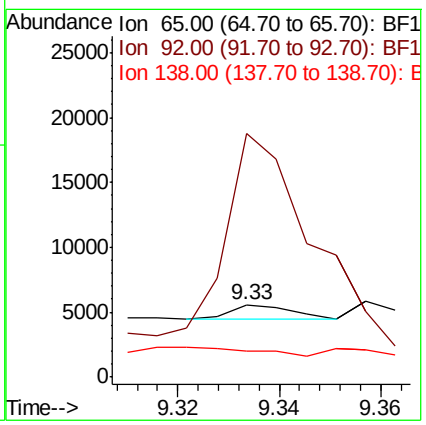


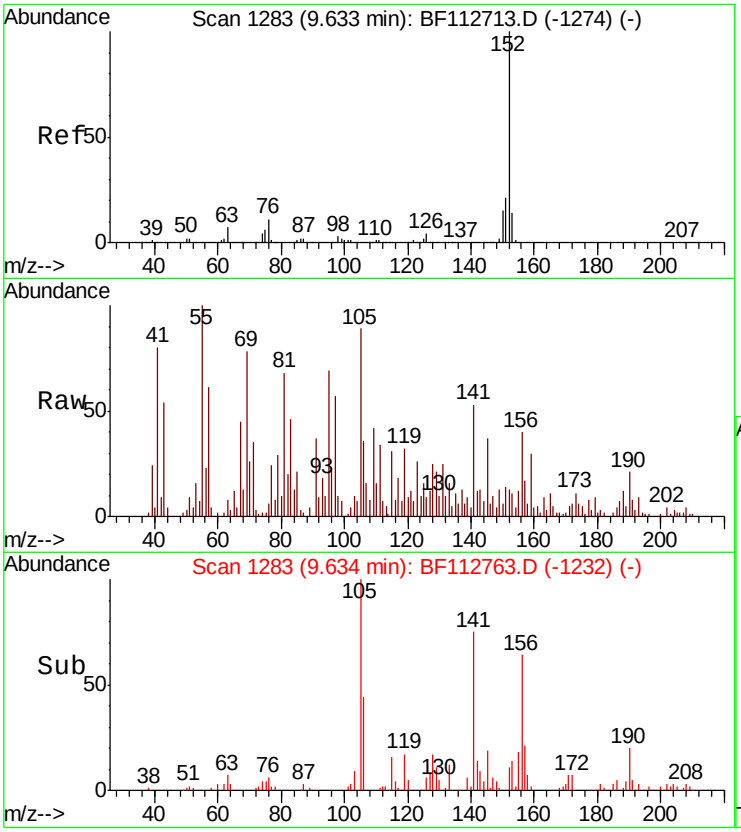


#48
2-Nitroaniline
Concen: 0.176 ng
RT: 9.33 min Scan# 1232
Delta R.T. 0.02 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Tgt Ion: 65 Resp: 1001

Ion	Ratio	Lower	Upper
65	100		
92	335.7	56.4	84.6#
138	35.6	84.6	126.8#



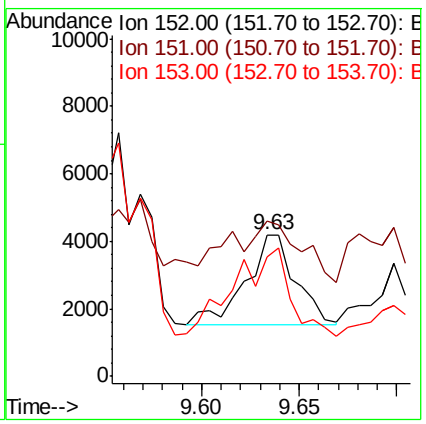


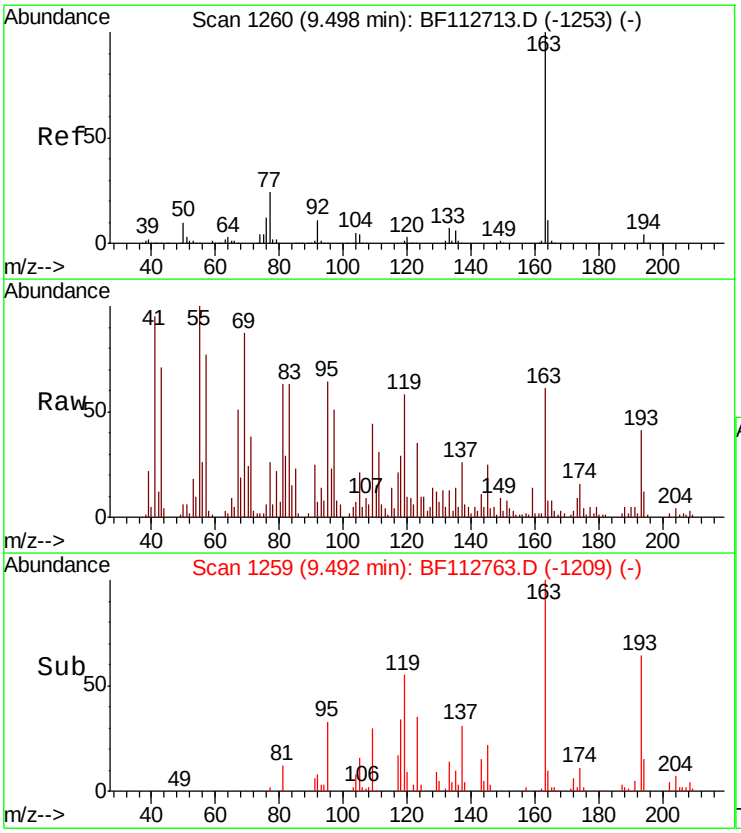
#49
Acenaphthylene
Concen: 0.147 ng
RT: 9.63 min Scan# 1283
Delta R.T. 0.00 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Instrument :
BNA_F
ClientSampleId :
HR-06-022719-B

Tgt Ion:152 Resp: 4650

Ion	Ratio	Lower	Upper
152	100		
151	109.6	16.9	25.3#
153	84.8	11.0	16.6#

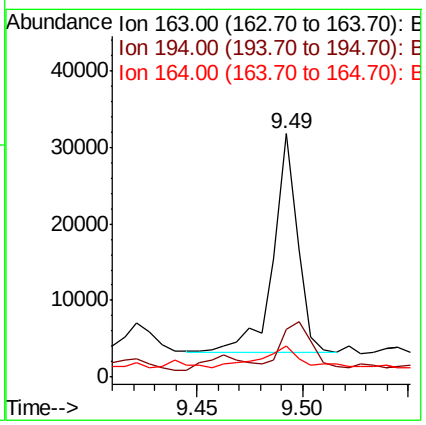


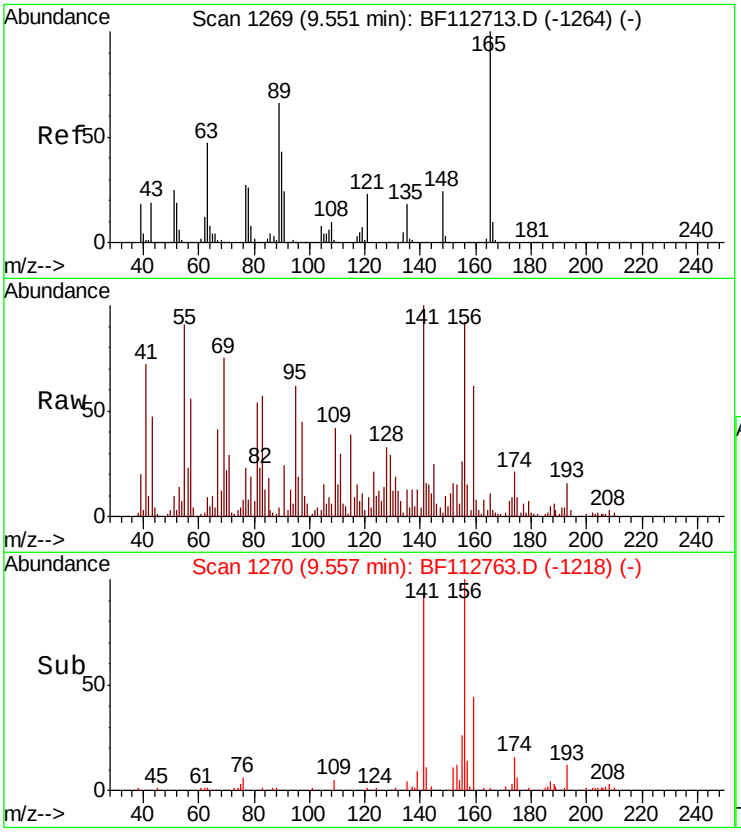


#50
Dimethylphthalate
Concen: 1.051 ng
RT: 9.49 min Scan# 1259
Delta R.T. -0.01 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Tgt Ion:163 Resp: 22740

Ion	Ratio	Lower	Upper
163	100		
194	19.8	3.0	4.4#
164	12.9	8.4	12.6#



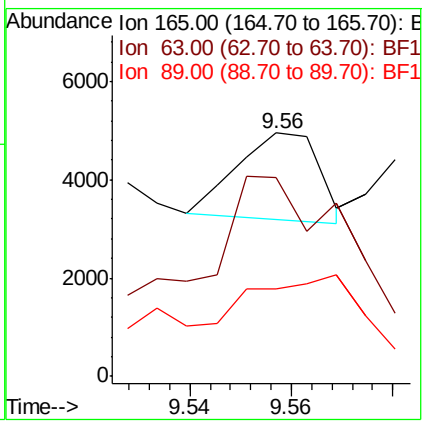


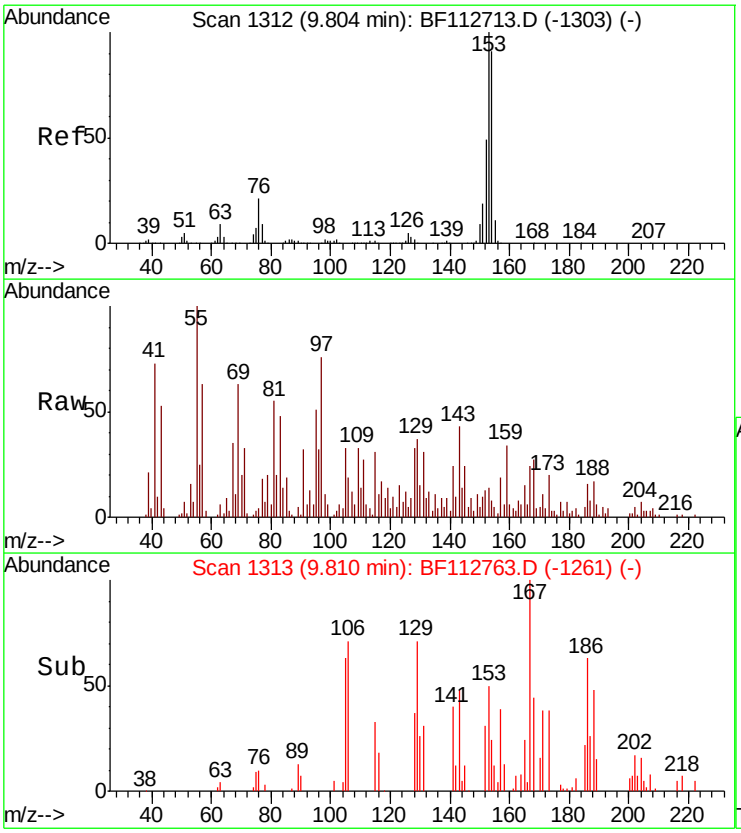
#51
2,6-Dinitrotoluene
Concen: 0.439 ng
RT: 9.56 min Scan# 1270
Delta R.T. 0.01 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Instrument :
BNA_F
ClientSampleId :
HR-06-022719-B

Tgt Ion:165 Resp: 1980

Ion	Ratio	Lower	Upper
165	100		
63	81.4	54.1	81.1#
89	36.0	52.8	79.2#

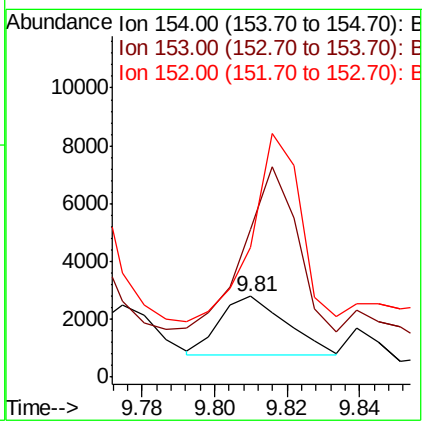


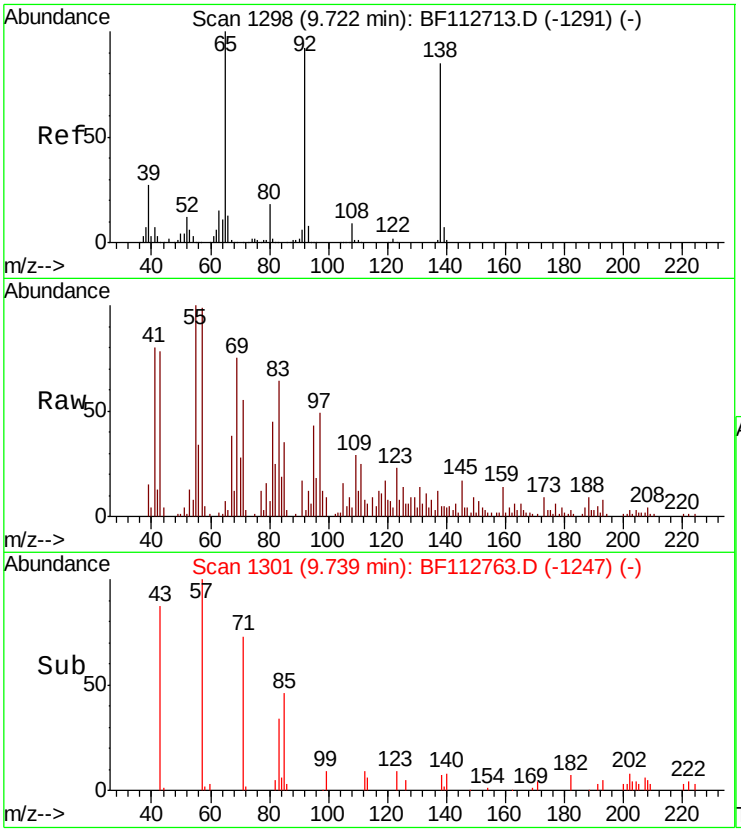


#52
Acenaphthene
Concen: 0.139 ng
RT: 9.81 min Scan# 1313
Delta R.T. 0.01 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Tgt Ion:154 Resp: 2573

Ion	Ratio	Lower	Upper
154	100		
153	183.5	87.8	131.8#
152	161.2	43.0	64.6#



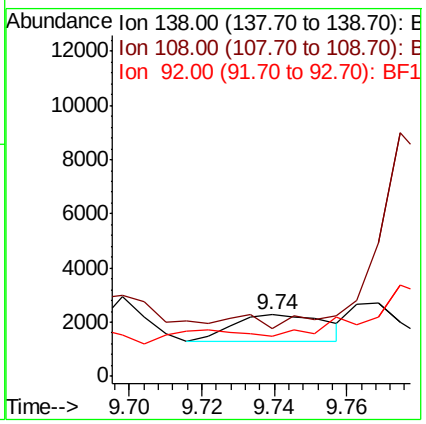


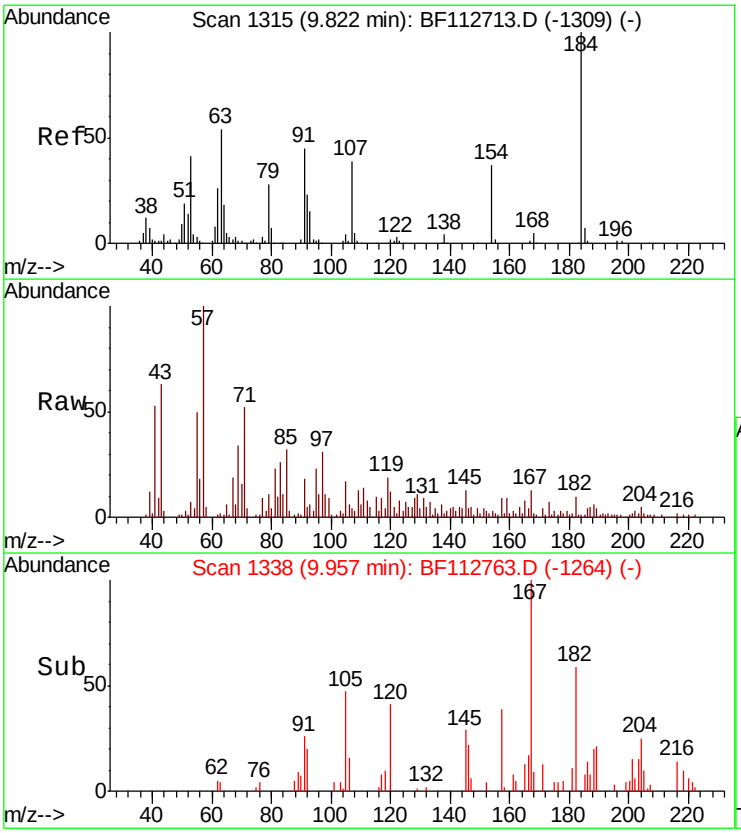
#53
3-Nitroaniline
Concen: 0.320 ng
RT: 9.74 min Scan# 1301
Delta R.T. 0.02 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Instrument :
BNA_F
ClientSampleId :
HR-06-022719-B

Tgt Ion:138 Resp: 1759

Ion	Ratio	Lower	Upper
138	100		
108	76.8	8.6	13.0#
92	64.9	86.6	129.8#

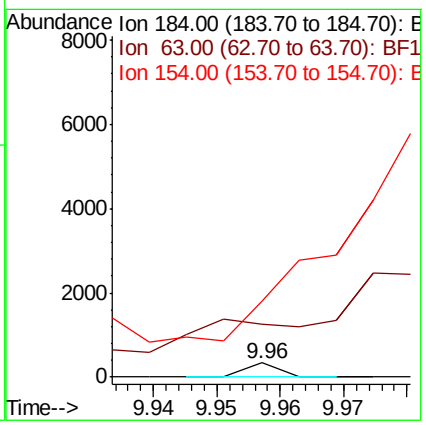


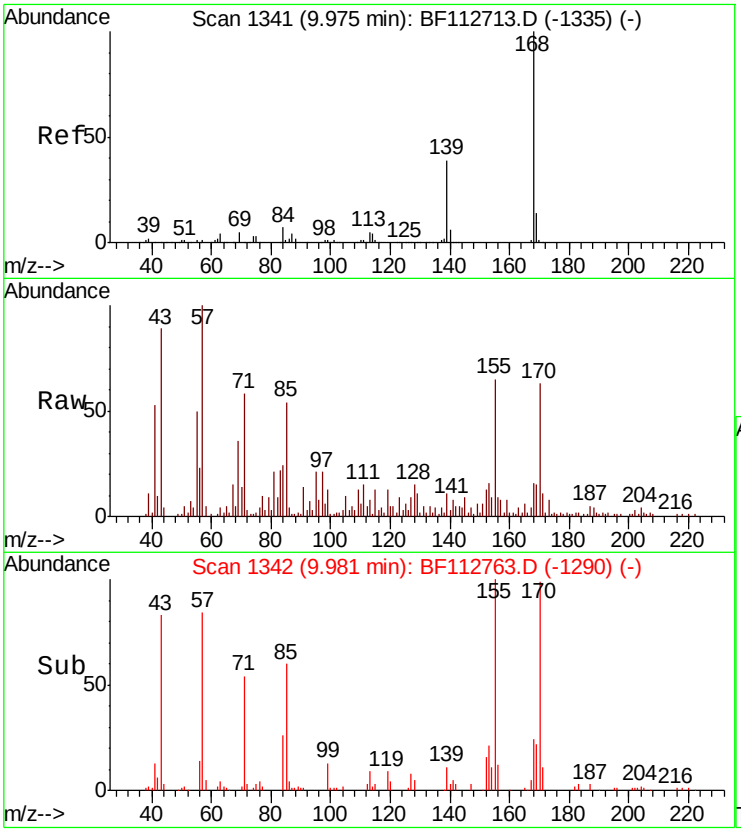


#54
2,4-Dinitrophenol
Concen: 6.512 ng
RT: 9.96 min Scan# 1338
Delta R.T. 0.14 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Tgt Ion:184 Resp: 118

Ion	Ratio	Lower	Upper
184	100		
63	376.0	45.3	67.9#
154	537.8	46.0	69.0#



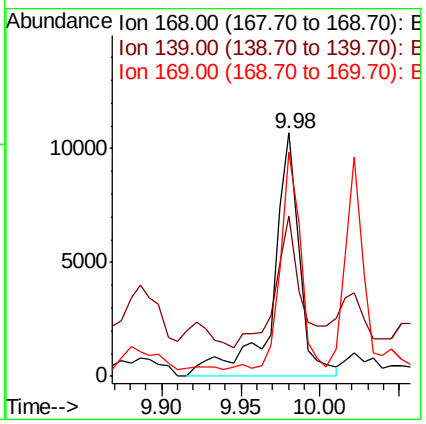


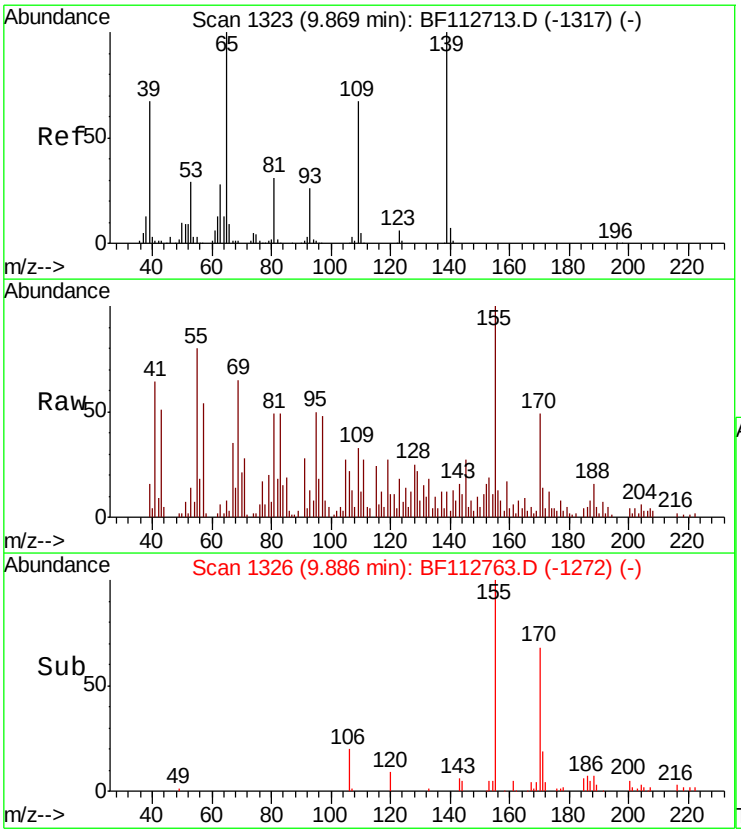
#55
Dibenzofuran
Concen: 0.464 ng
RT: 9.98 min Scan# 1342
Delta R.T. 0.01 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Instrument :
BNA_F
ClientSampleId :
HR-06-022719-B

Tgt Ion:168 Resp: 12527

Ion	Ratio	Lower	Upper
168	100		
139	65.7	31.3	46.9#
169	92.0	11.3	16.9#

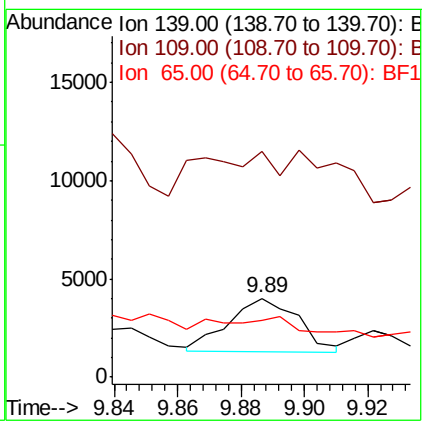


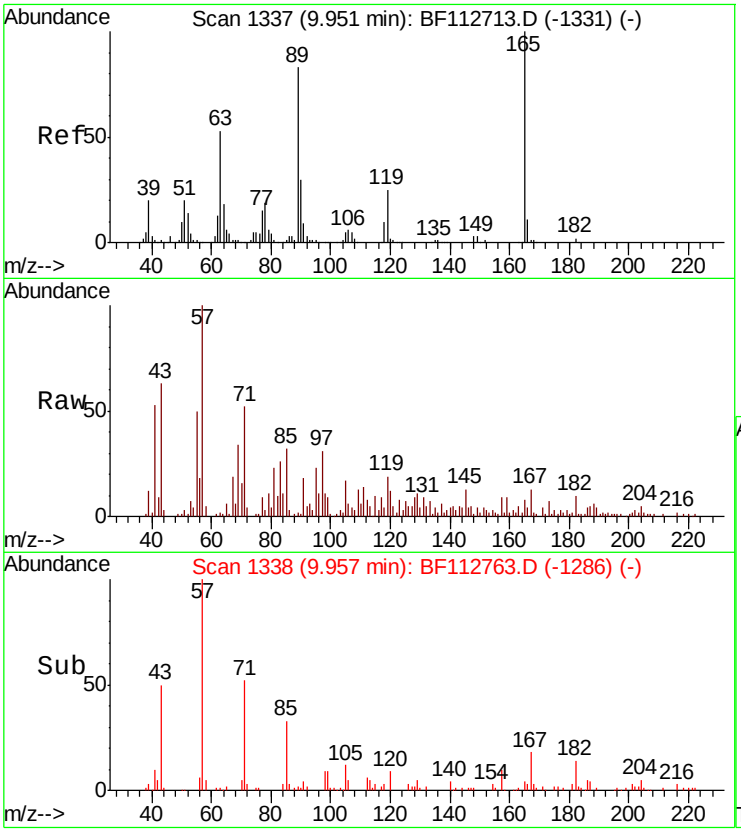


#56
4-Nitrophenol
Concen: 0.917 ng
RT: 9.89 min Scan# 1326
Delta R.T. 0.02 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Tgt Ion:139 Resp: 4090

Ion	Ratio	Lower	Upper
139	100		
109	286.4	46.8	86.8#
65	71.4	80.7	120.7#



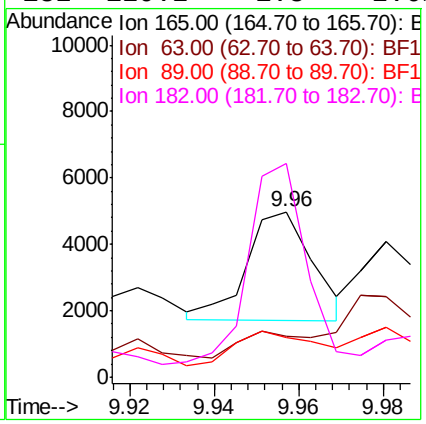


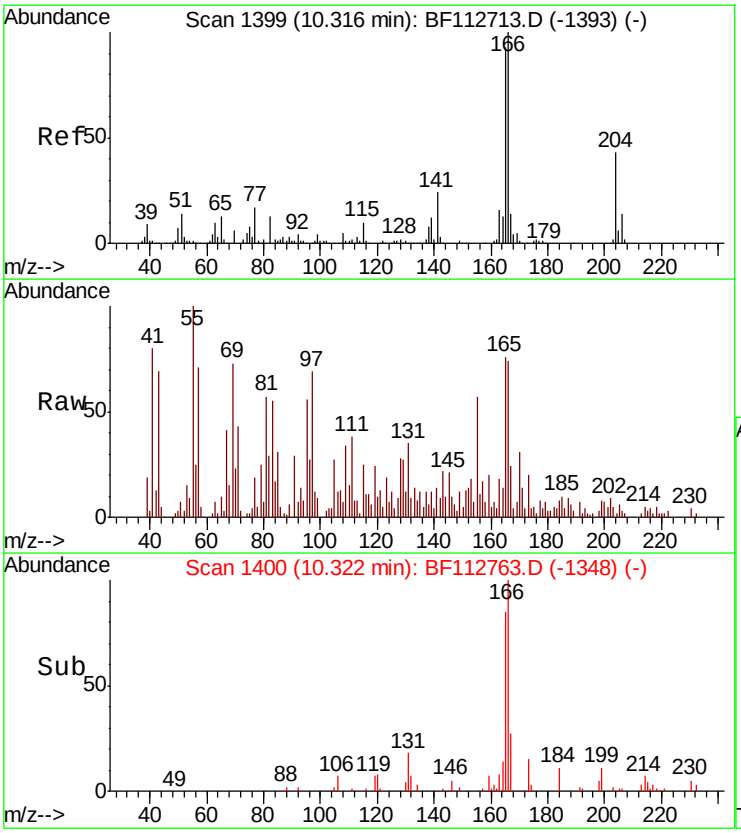
#57
2,4-Dinitrotoluene
Concen: 0.633 ng
RT: 9.96 min Scan# 1338
Delta R.T. 0.01 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Instrument :
BNA_F
ClientSampleId :
HR-06-022719-B

Tgt Ion:165 Resp: 3545

Ion	Ratio	Lower	Upper
165	100		
63	25.2	42.2	63.2#
89	23.9	66.2	99.4#
182	129.2	1.8	2.6#

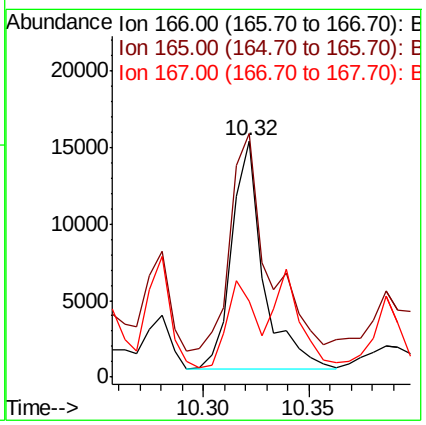


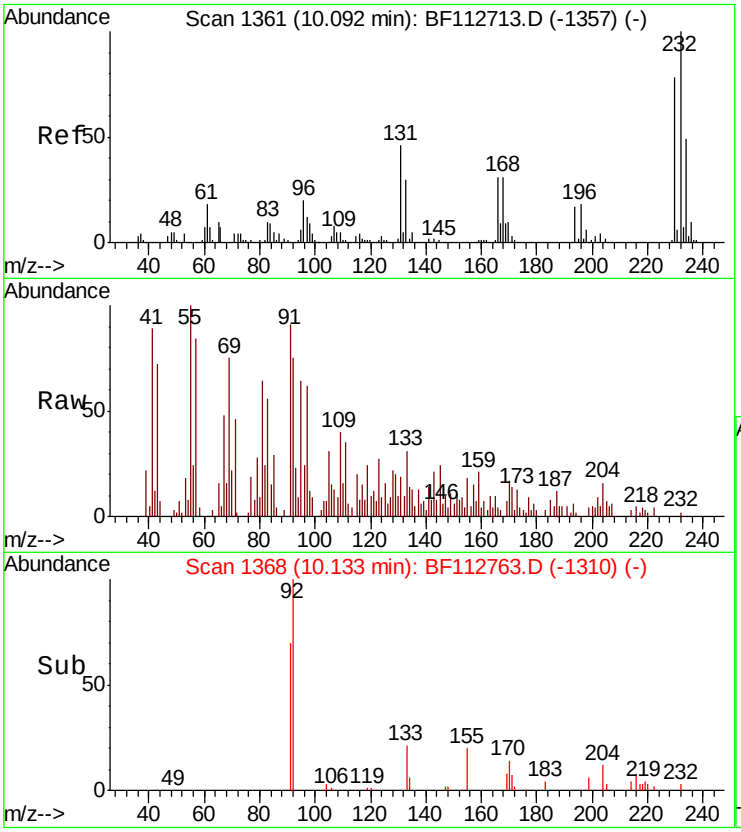


#58
Fluorene
Concen: 0.802 ng
RT: 10.32 min Scan# 1400
Delta R.T. 0.01 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Tgt Ion:166 Resp: 15359

Ion	Ratio	Lower	Upper
166	100		
165	103.2	74.7	112.1
167	32.2	11.0	16.6#



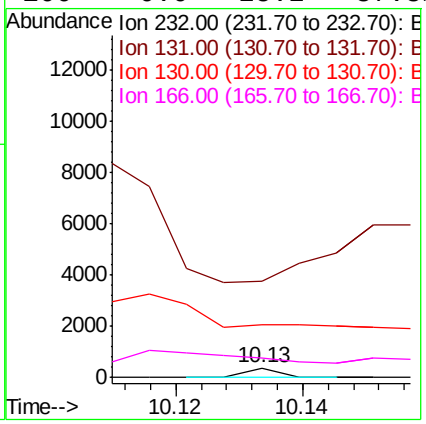


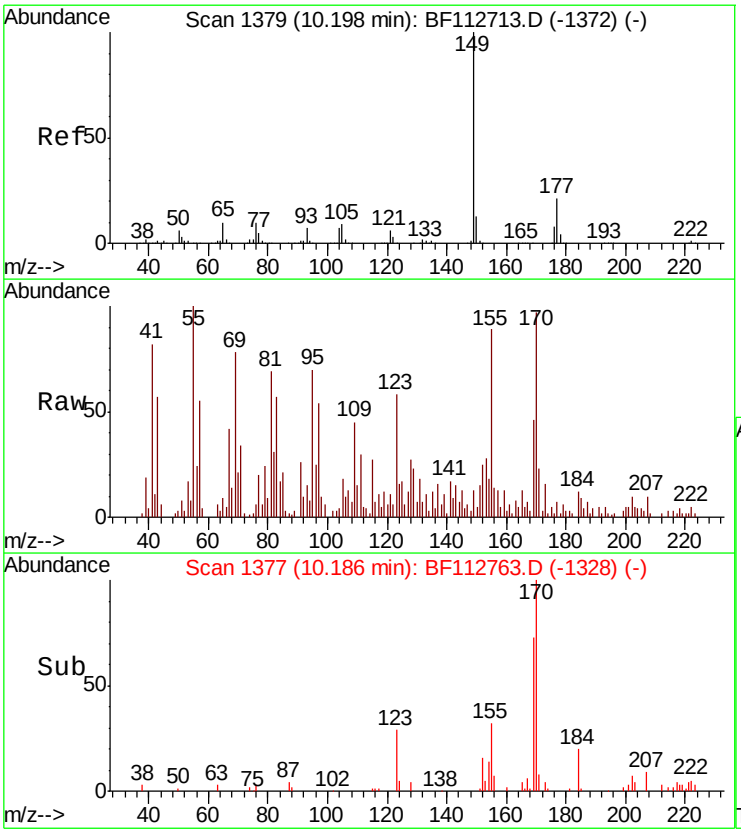
#59
2,3,4,6-Tetrachlorophenol
Concen: 0.025 ng
RT: 10.13 min Scan# 1368
Delta R.T. 0.04 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Instrument :
BNA_F
ClientSampleId :
HR-06-022719-B

Tgt Ion:232 Resp: 133

Ion	Ratio	Lower	Upper
232	100		
131	2033.1	38.7	58.1#
130	0.0	1.9	2.9#
166	0.0	25.2	37.8#

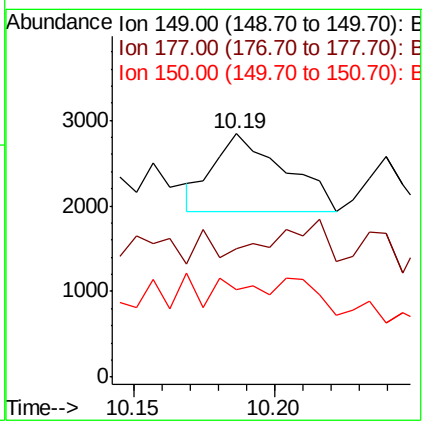


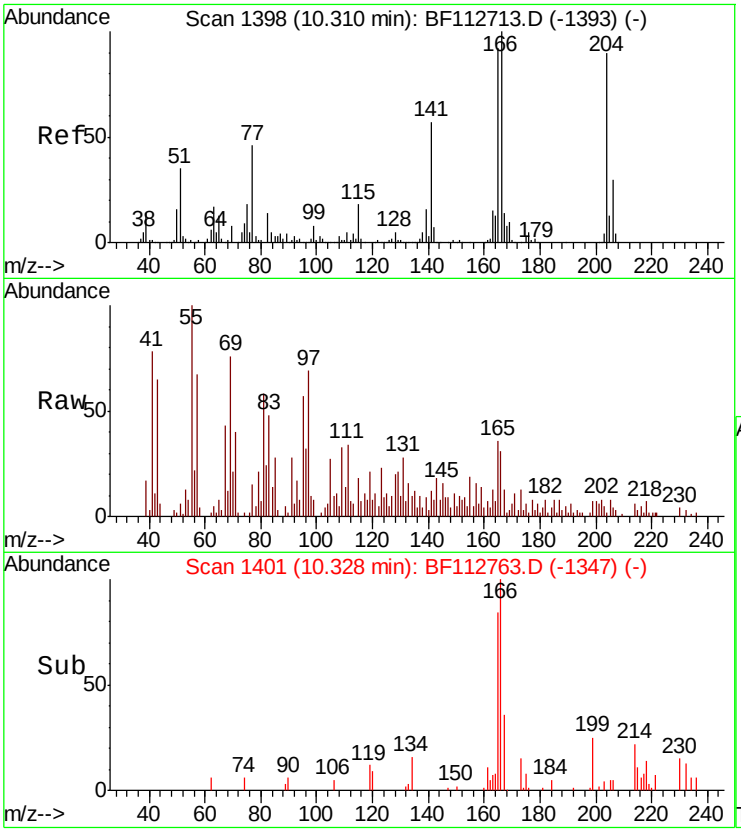


#60
Diethylphthalate
Concen: 0.069 ng
RT: 10.19 min Scan# 1377
Delta R.T. -0.01 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Tgt Ion:149 Resp: 1585

Ion	Ratio	Lower	Upper
149	100		
177	52.8	17.0	25.6#
150	36.1	10.0	15.0#



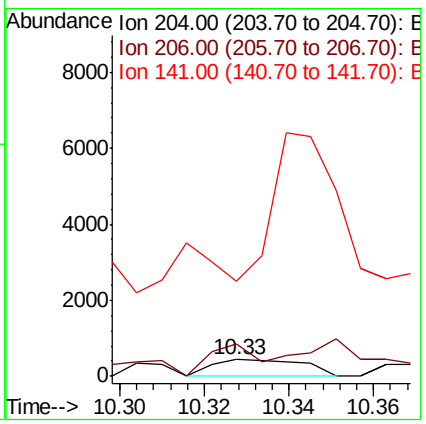


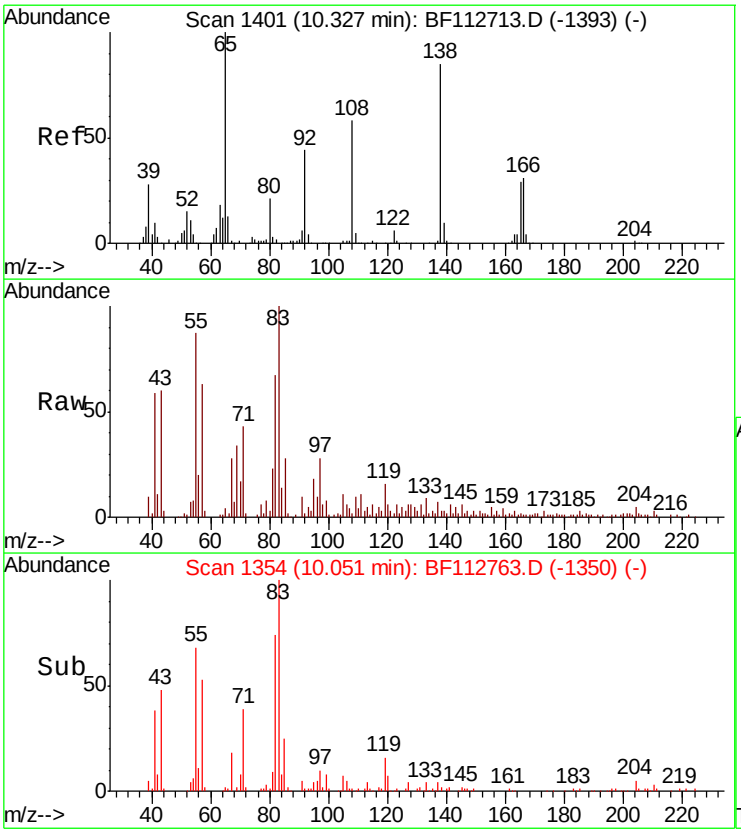
#61
4-Chlorophenyl-phenylether
Concen: 0.076 ng
RT: 10.33 min Scan# 1401
Delta R.T. 0.02 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Instrument :
BNA_F
ClientSampleId :
HR-06-022719-B

Tgt Ion:204 Resp: 678

Ion	Ratio	Lower	Upper
204	100		
206	195.5	26.6	40.0#
141	568.8	50.8	76.2#

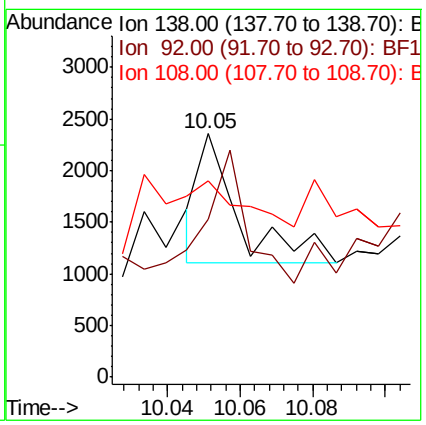


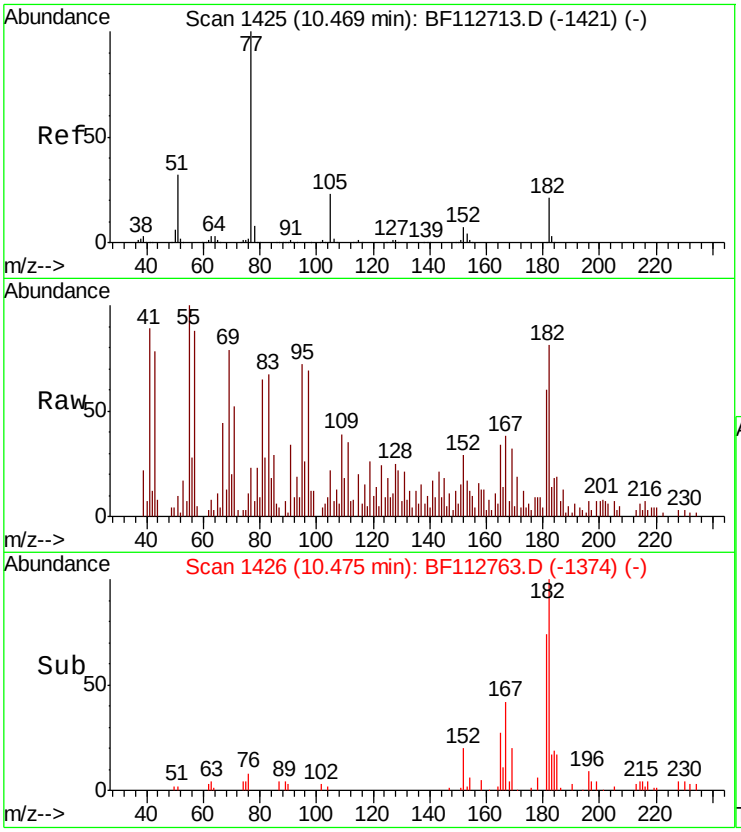


#62
4-Nitroaniline
Concen: 0.190 ng
RT: 10.05 min Scan# 1354
Delta R.T. -0.28 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Tgt Ion:138 Resp: 962

Ion	Ratio	Lower	Upper
138	100		
92	65.0	31.3	71.3
108	80.4	48.1	88.1



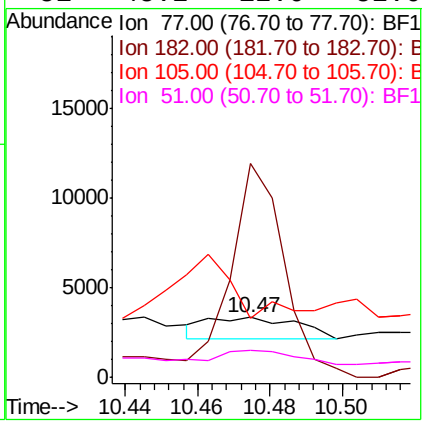


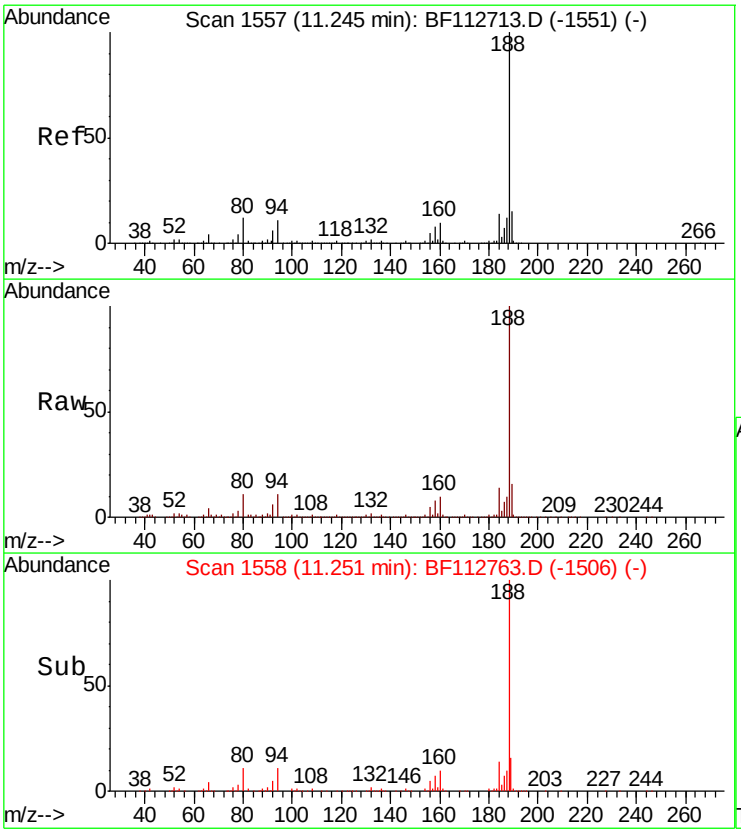
#63
Azobenzene
Concen: 0.090 ng
RT: 10.47 min Scan# 1426
Delta R.T. 0.01 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Instrument :
BNA_F
ClientSampleId :
HR-06-022719-B

Tgt Ion: 77 Resp: 2103

Ion	Ratio	Lower	Upper
77	100		
182	357.3	1.4	41.4#
105	97.7	2.6	42.6#
51	45.2	12.0	52.0

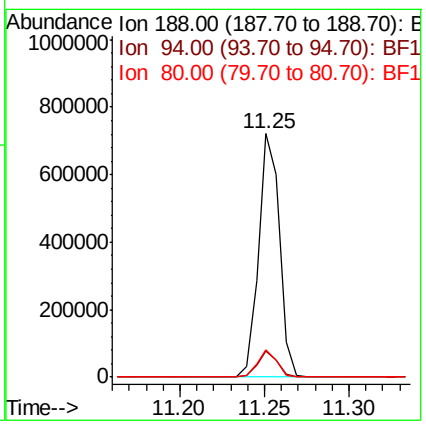


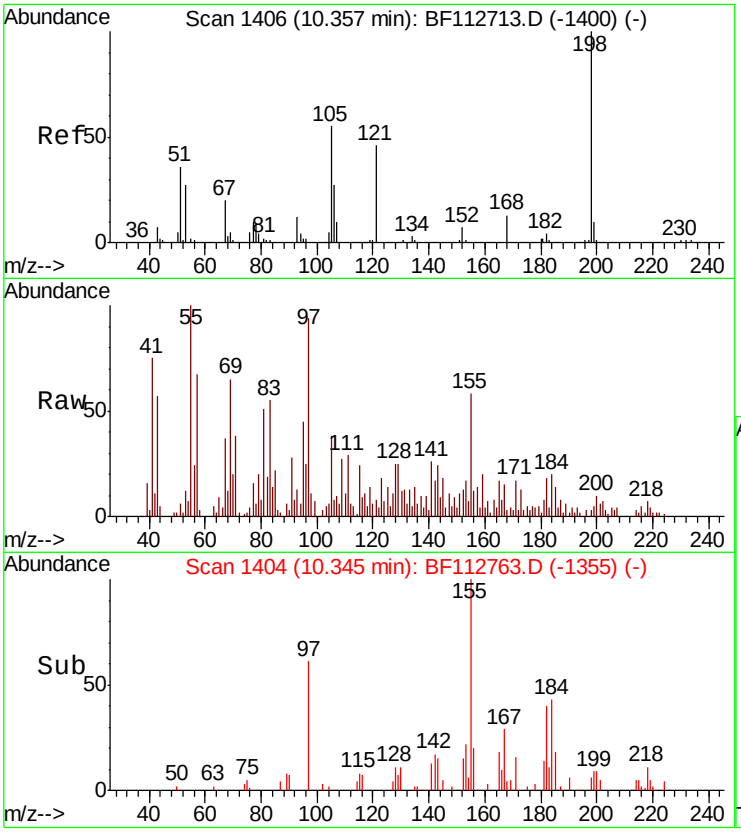


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. 0.01 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Tgt Ion:188 Resp: 620722

Ion	Ratio	Lower	Upper
188	100		
94	10.6	9.0	13.4
80	11.2	9.2	13.8



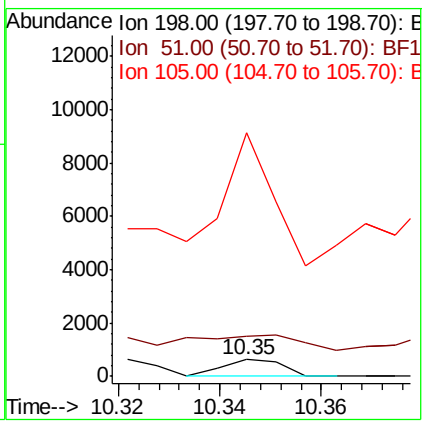


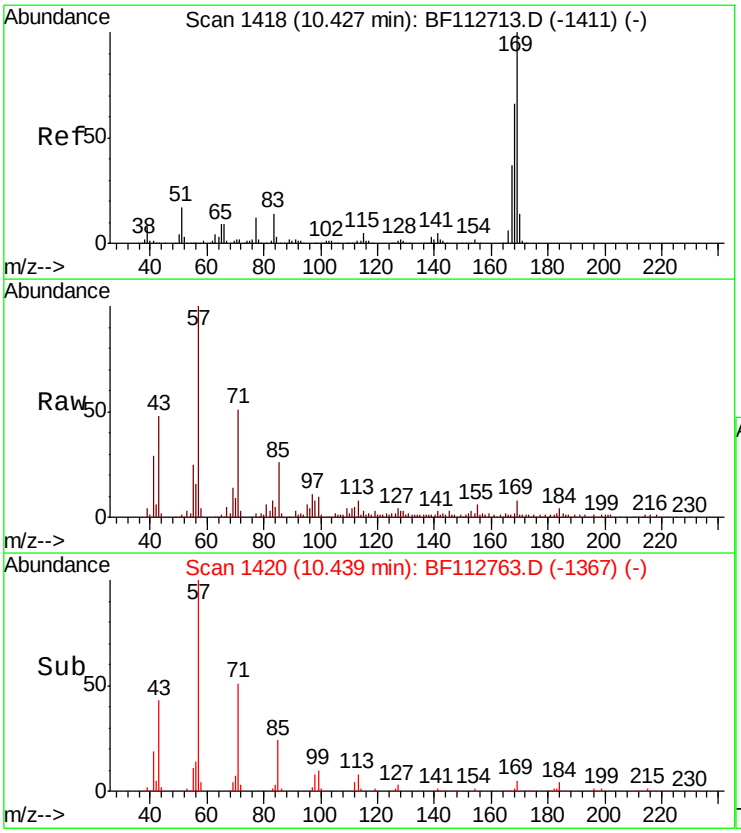
#65
4,6-Dinitro-2-methylphenol
Concen: 4.800 ng
RT: 10.35 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Instrument :
BNA_F
ClientSampleId :
HR-06-022719-B

Tgt Ion:198 Resp: 528

Ion	Ratio	Lower	Upper
198	100		
51	245.3	43.8	83.8#
105	1478.0	36.5	76.5#

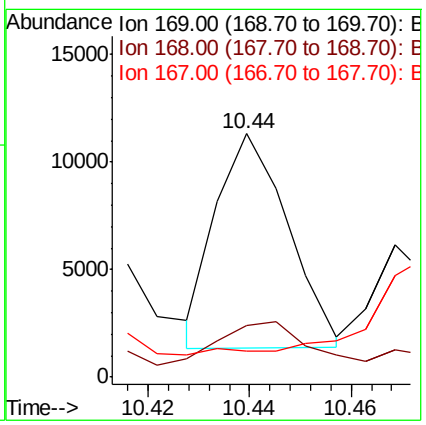


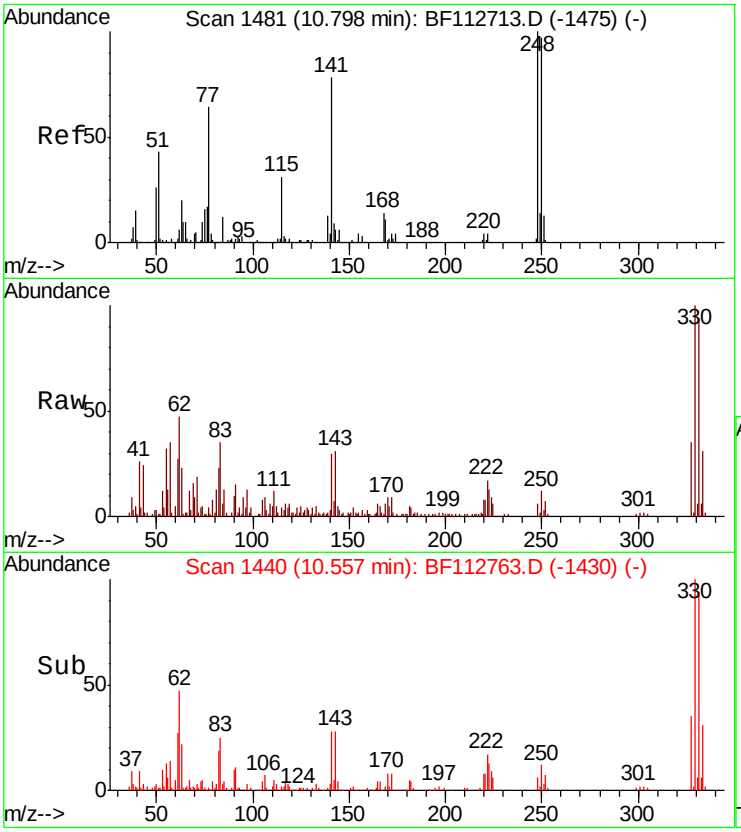


#66
n-Nitrosodiphenylamine
Concen: 0.499 ng
RT: 10.44 min Scan# 1420
Delta R.T. 0.01 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Tgt Ion:169 Resp: 9930

Ion	Ratio	Lower	Upper
169	100		
168	21.1	53.0	79.6#
167	10.8	29.3	43.9#



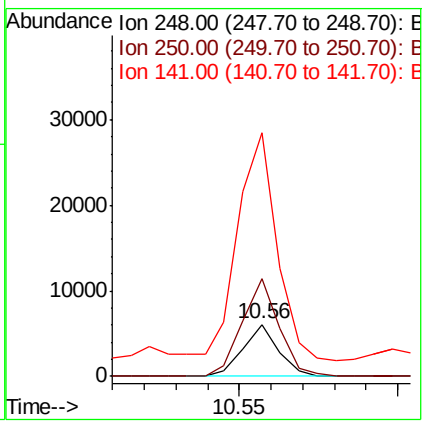


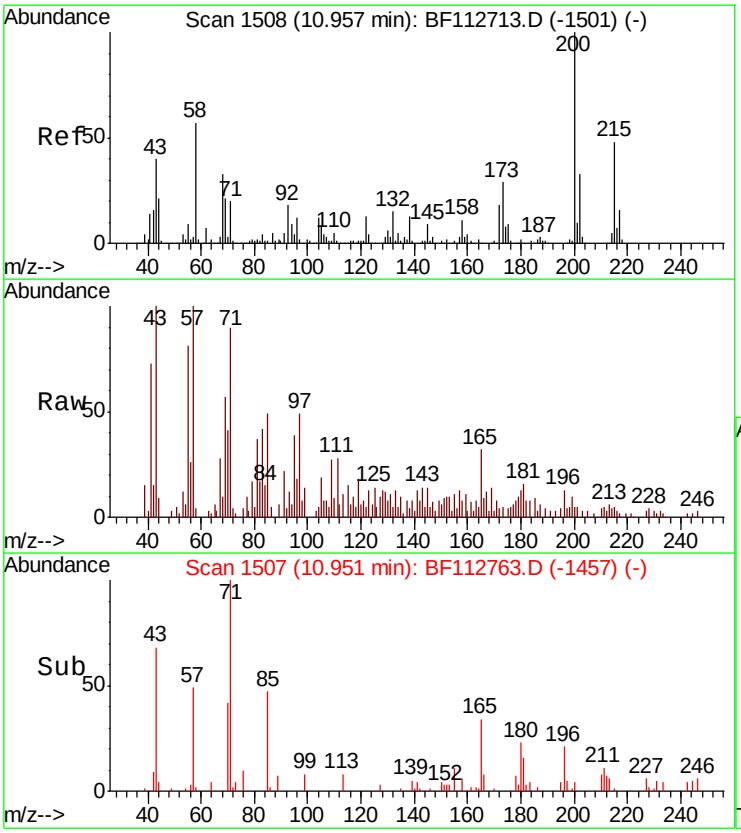
#67
4-Bromophenyl-phenylether
Concen: 0.710 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.24 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Instrument :
BNA_F
ClientSampleId :
HR-06-022719-B

Tgt Ion:248 Resp: 4645

Ion	Ratio	Lower	Upper
248	100		
250	188.2	77.5	116.3#
141	471.7	62.4	93.6#

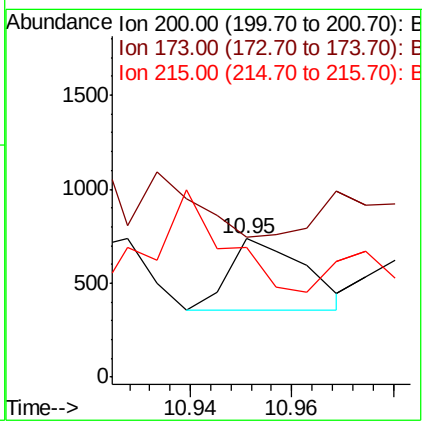


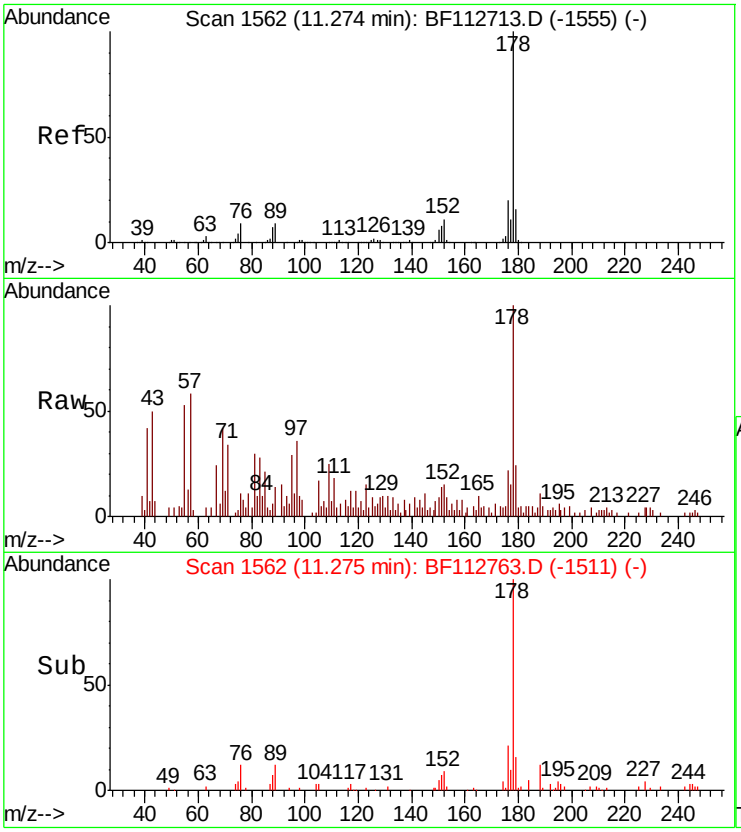


#69
Atrazine
Concen: 0.065 ng
RT: 10.95 min Scan# 1507
Delta R.T. -0.01 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Tgt Ion:200 Resp: 399

Ion	Ratio	Lower	Upper
200	100		
173	101.5	9.1	49.1#
215	94.2	28.2	68.2#



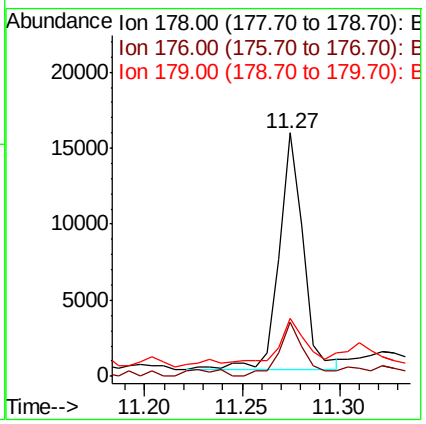


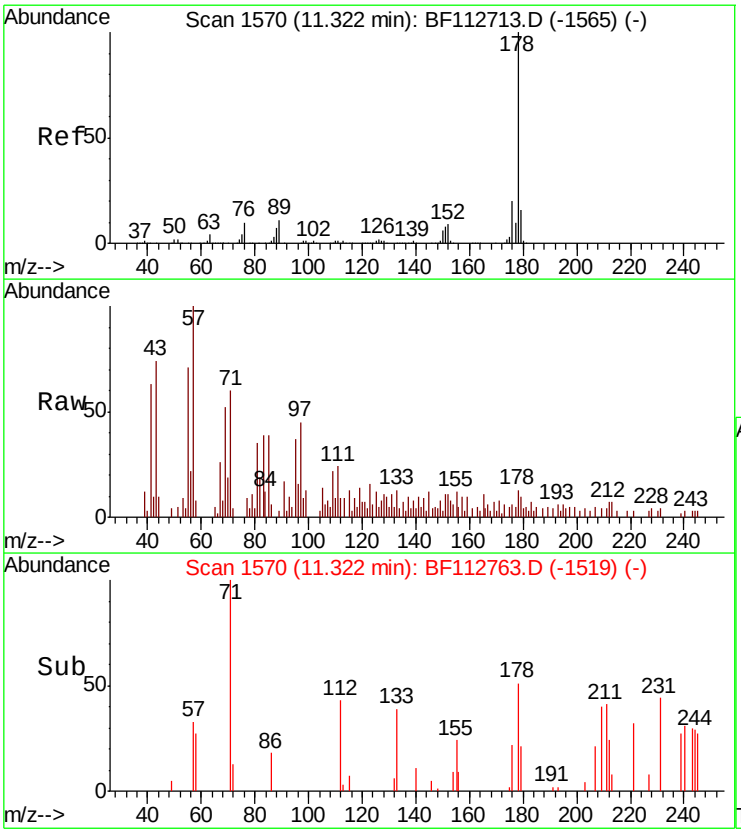
#71
Phenanthrene
Concen: 0.436 ng
RT: 11.27 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Instrument :
BNA_F
ClientSampleId :
HR-06-022719-B

Tgt Ion:178 Resp: 13462

Ion	Ratio	Lower	Upper
178	100		
176	22.1	16.3	24.5
179	24.1	12.7	19.1#

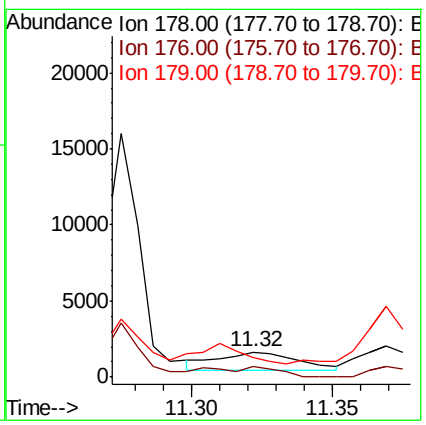


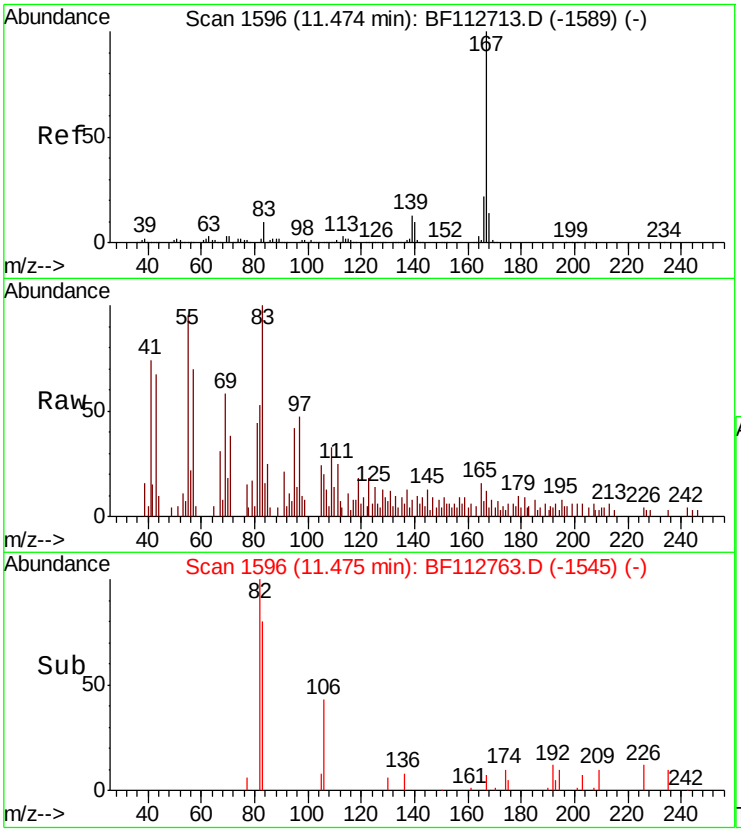


#72
Anthracene
Concen: 0.071 ng
RT: 11.32 min Scan# 1570
Delta R.T. 0.00 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Tgt Ion:178 Resp: 2304

Ion	Ratio	Lower	Upper
178	100		
176	43.5	15.8	23.6#
179	77.0	13.0	19.6#



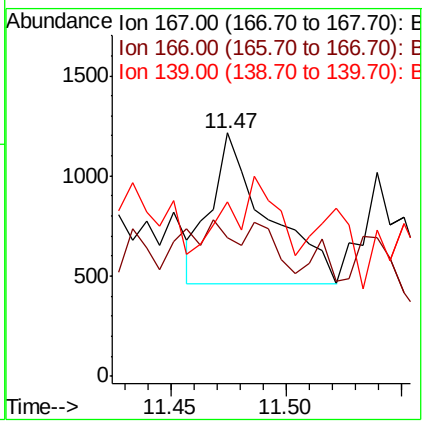


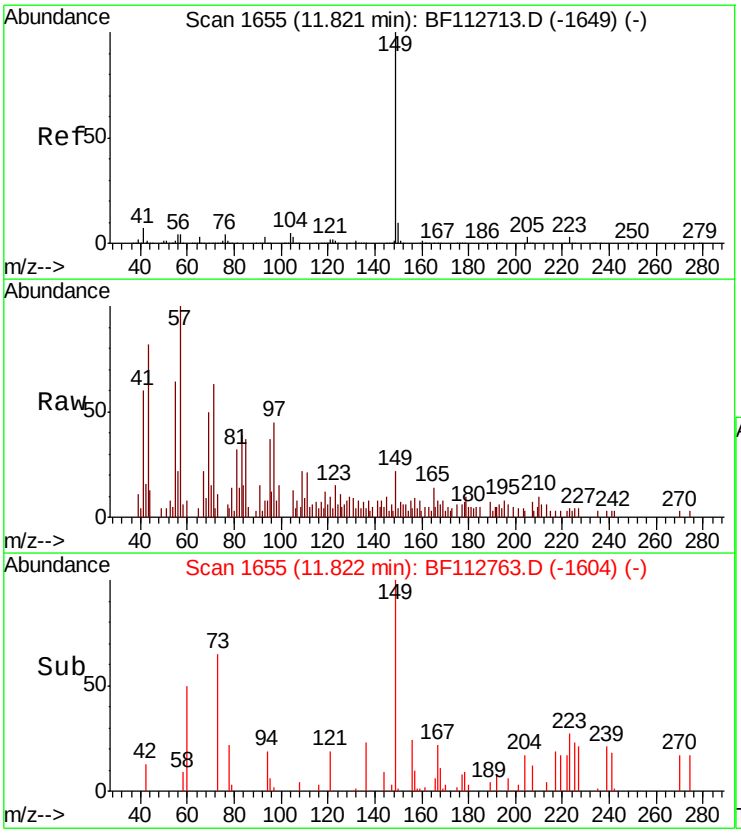
#73
Carbazole
Concen: 0.040 ng
RT: 11.47 min Scan# 1596
Delta R.T. 0.00 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Instrument :
BNA_F
ClientSampleId :
HR-06-022719-B

Tgt Ion:167 Resp: 1269

Ion	Ratio	Lower	Upper
167	100		
166	56.9	17.5	26.3#
139	71.5	10.8	16.2#

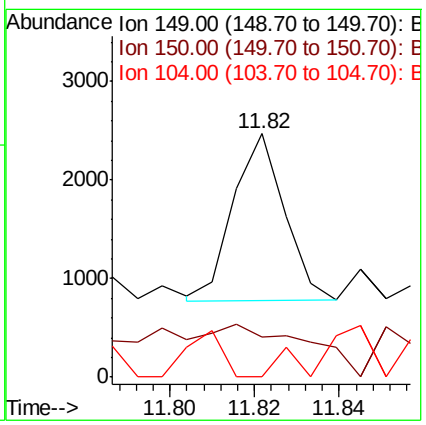


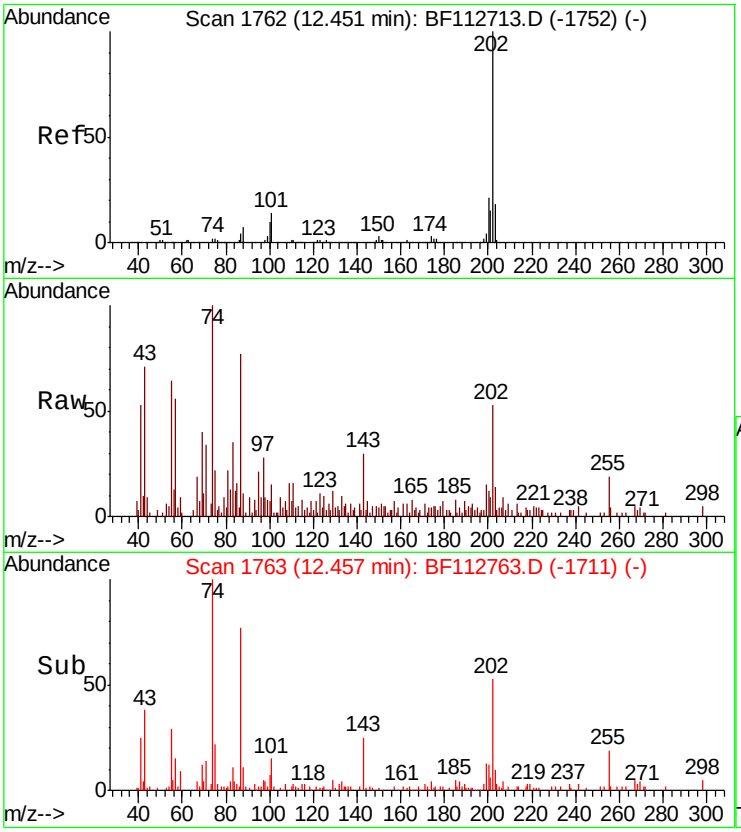


#74
Di-n-butylphthalate
Concen: 0.038 ng
RT: 11.82 min Scan# 1655
Delta R.T. 0.00 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Tgt Ion:149 Resp: 1423

Ion	Ratio	Lower	Upper
149	100		
150	16.6	7.6	11.4#
104	0.0	3.7	5.5#



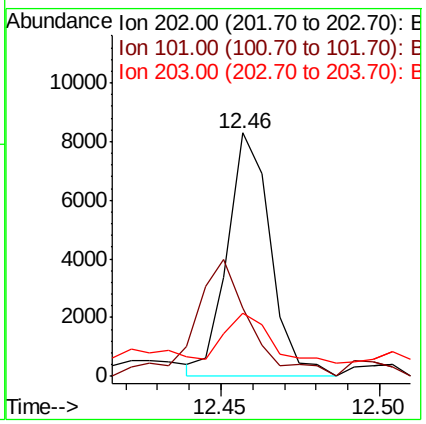


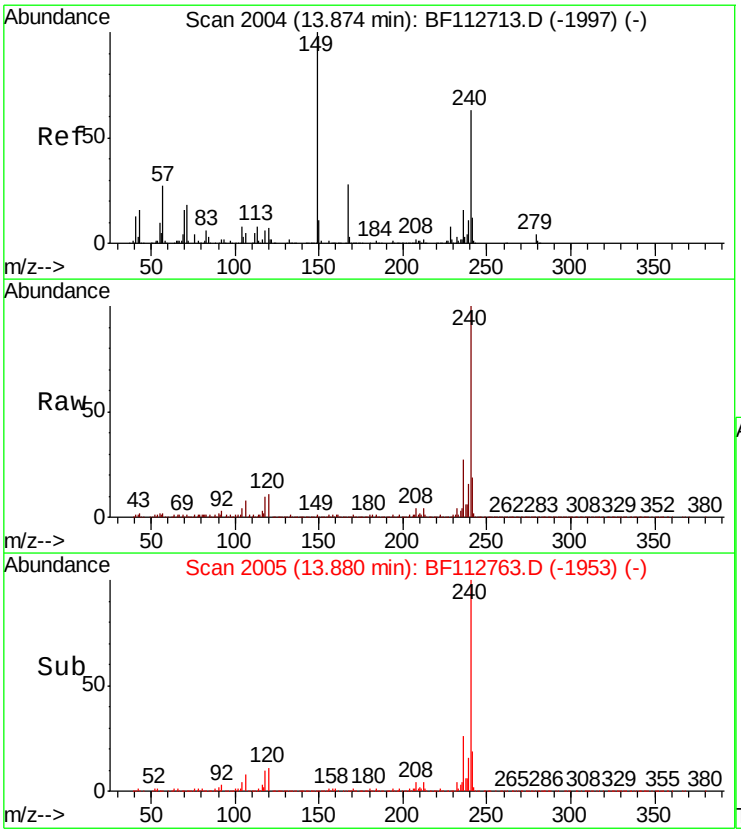
#75
Fluoranthene
Concen: 0.235 ng
RT: 12.46 min Scan# 1763
Delta R.T. 0.01 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Instrument :
BNA_F
ClientSampleId :
HR-06-022719-B

Tgt Ion:202 Resp: 7790

Ion	Ratio	Lower	Upper
202	100		
101	28.1	0.0	33.8
203	26.1	0.0	38.4

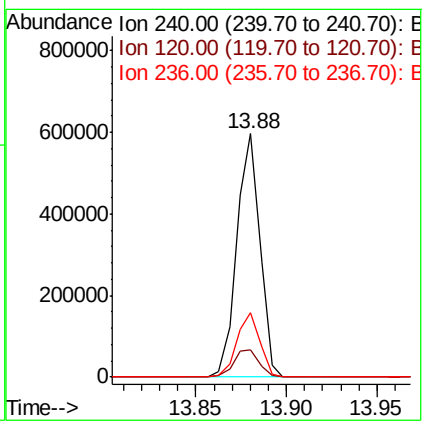


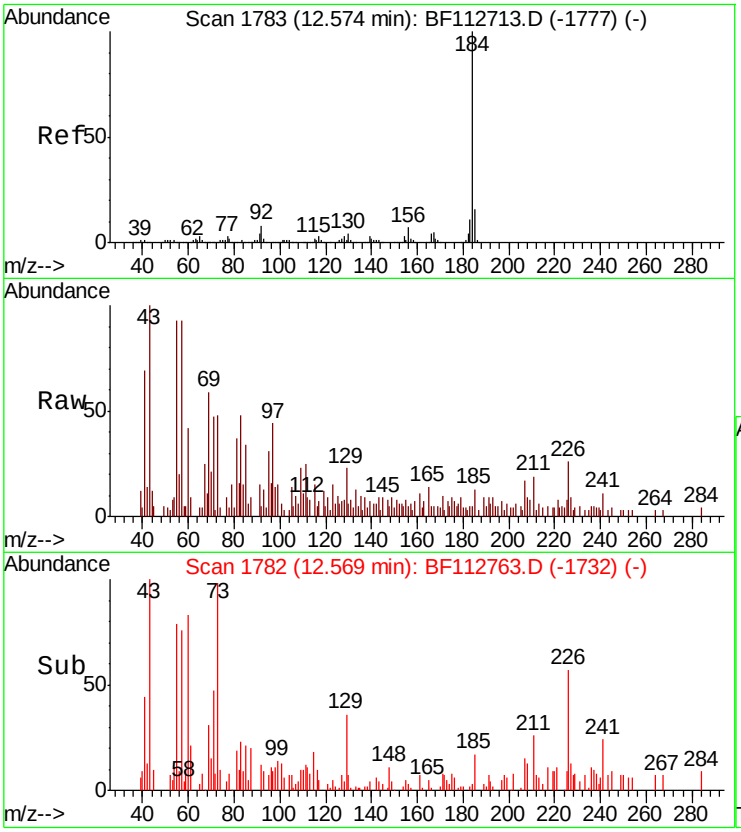


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.88 min Scan# 2005
Delta R.T. 0.01 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Tgt Ion:240 Resp: 525743

Ion	Ratio	Lower	Upper
240	100		
120	11.5	8.9	13.3
236	26.6	20.7	31.1



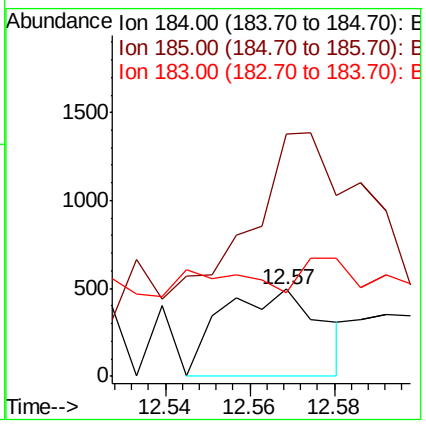


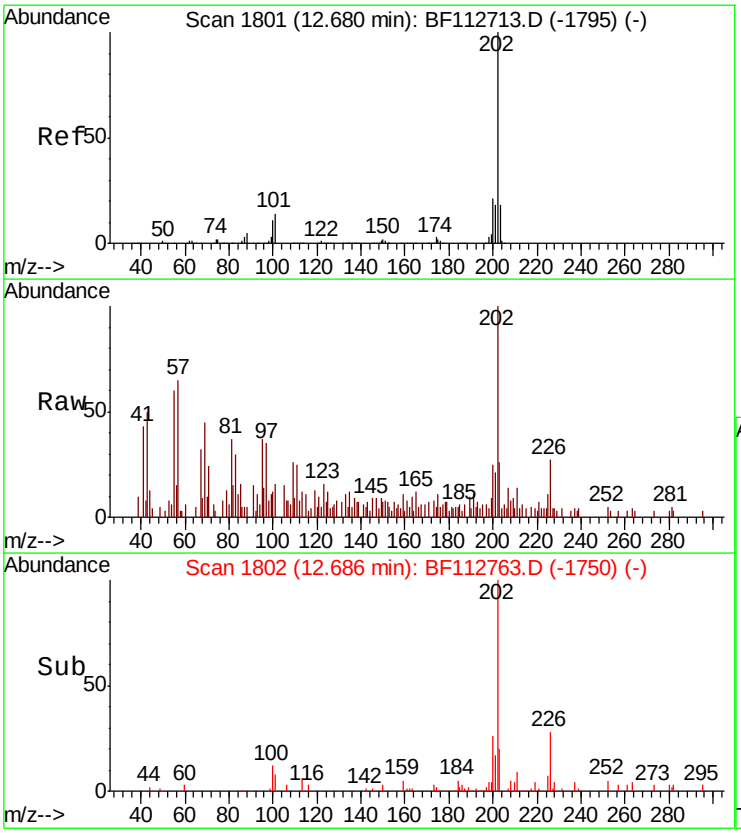
#77
Benzidine
Concen: 0.030 ng
RT: 12.57 min Scan# 1782
Delta R.T. -0.01 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Instrument :
BNA_F
ClientSampleId :
HR-06-022719-B

Tgt Ion:184 Resp: 809

Ion	Ratio	Lower	Upper
184	100		
185	279.2	12.6	18.8#
183	96.0	8.6	12.8#

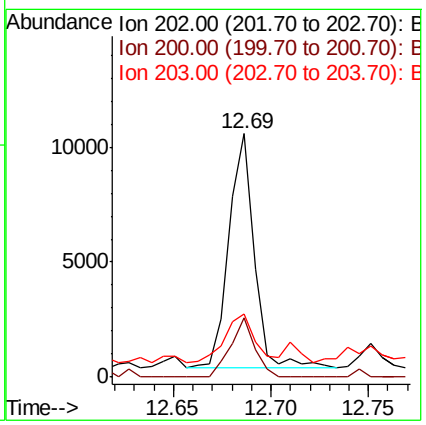


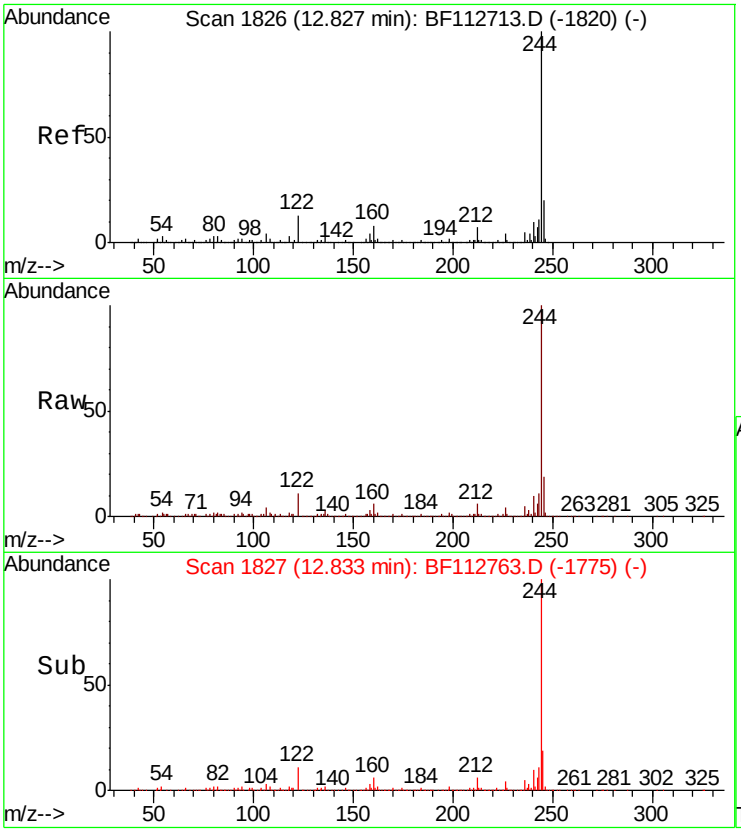


#78
Pyrene
Concen: 0.209 ng
RT: 12.69 min Scan# 1802
Delta R.T. 0.01 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Tgt Ion:202 Resp: 9242

Ion	Ratio	Lower	Upper
202	100		
200	24.6	17.0	25.4
203	25.8	14.4	21.6#



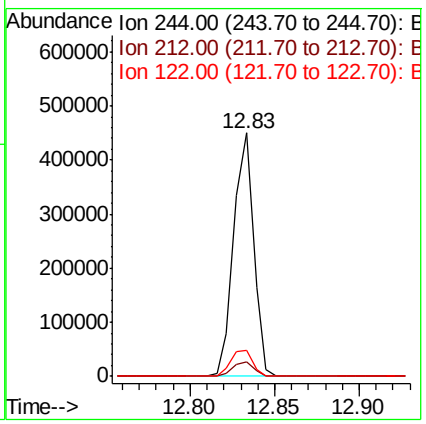


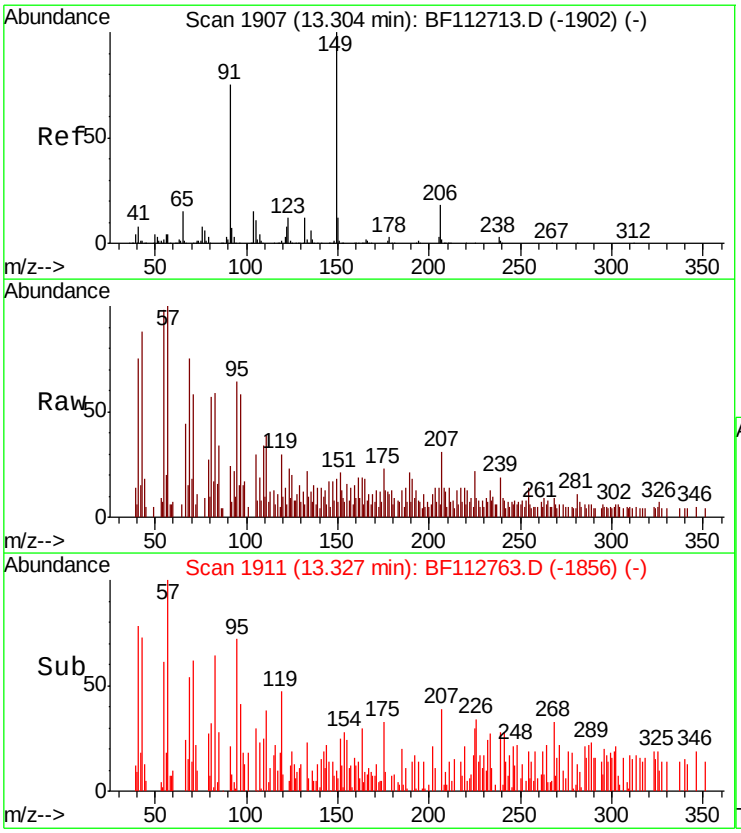
#79
Terphenyl-d14
Concen: 13.679 ng
RT: 12.83 min Scan# 1827
Delta R.T. 0.01 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Instrument :
BNA_F
ClientSampleId :
HR-06-022719-B

Tgt Ion:244 Resp: 370986

Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.6	8.4
122	10.7	10.5	15.7

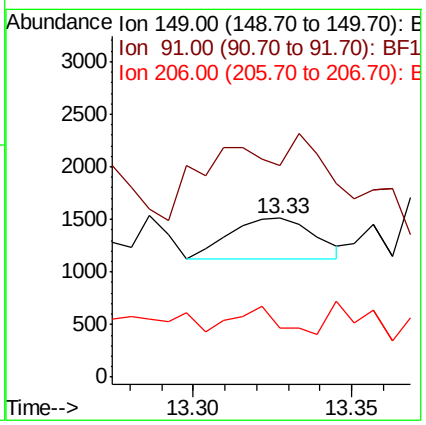


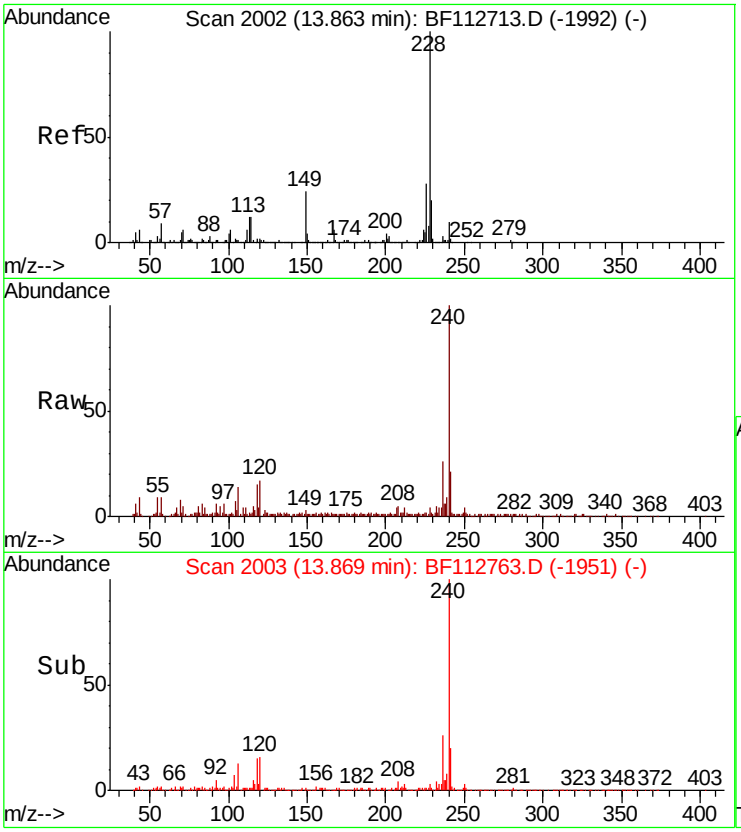


#80
Butylbenzylphthalate
Concen: 0.036 ng
RT: 13.33 min Scan# 1911
Delta R.T. 0.02 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Tgt Ion:149 Resp: 710

Ion	Ratio	Lower	Upper
149	100		
91	133.5	59.9	89.9#
206	31.2	14.7	22.1#



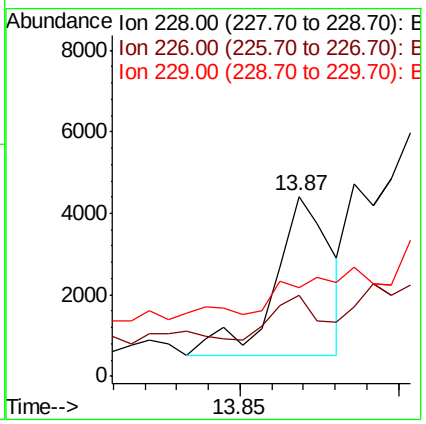


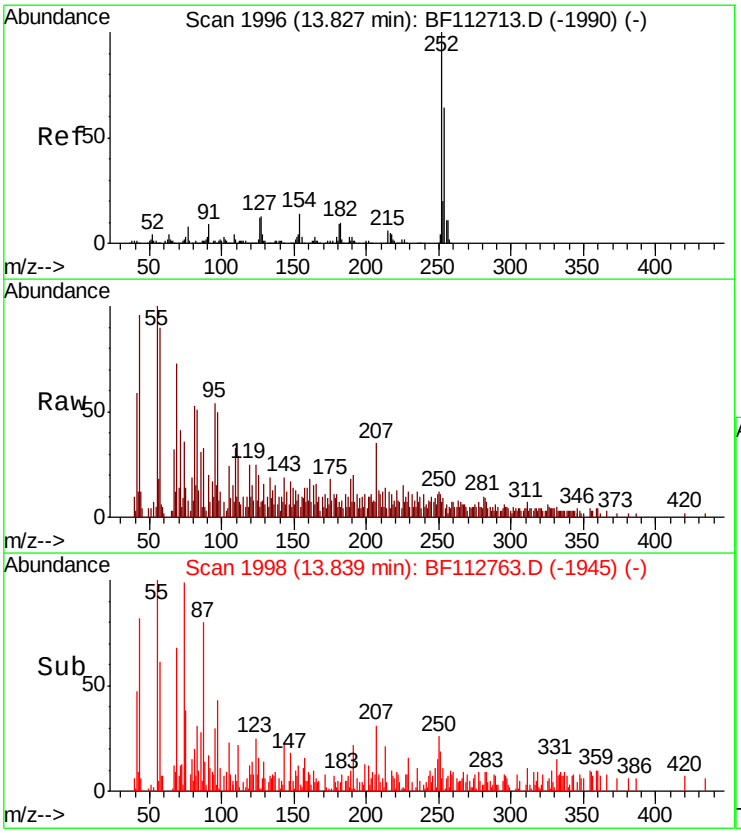
#81
Benzo(a)anthracene
Concen: 0.132 ng
RT: 13.87 min Scan# 2003
Delta R.T. 0.01 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Instrument :
BNA_F
ClientSampleId :
HR-06-022719-B

Tgt Ion:228 Resp: 4816

Ion	Ratio	Lower	Upper
228	100		
226	44.9	22.2	33.4#
229	48.9	16.0	24.0#

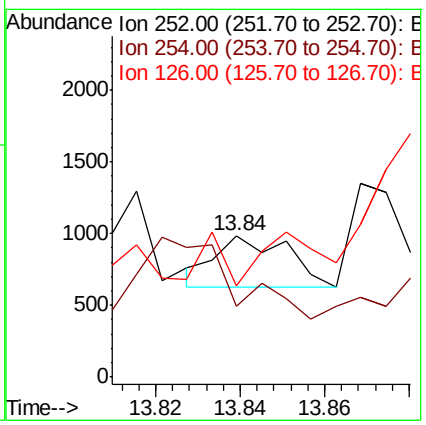


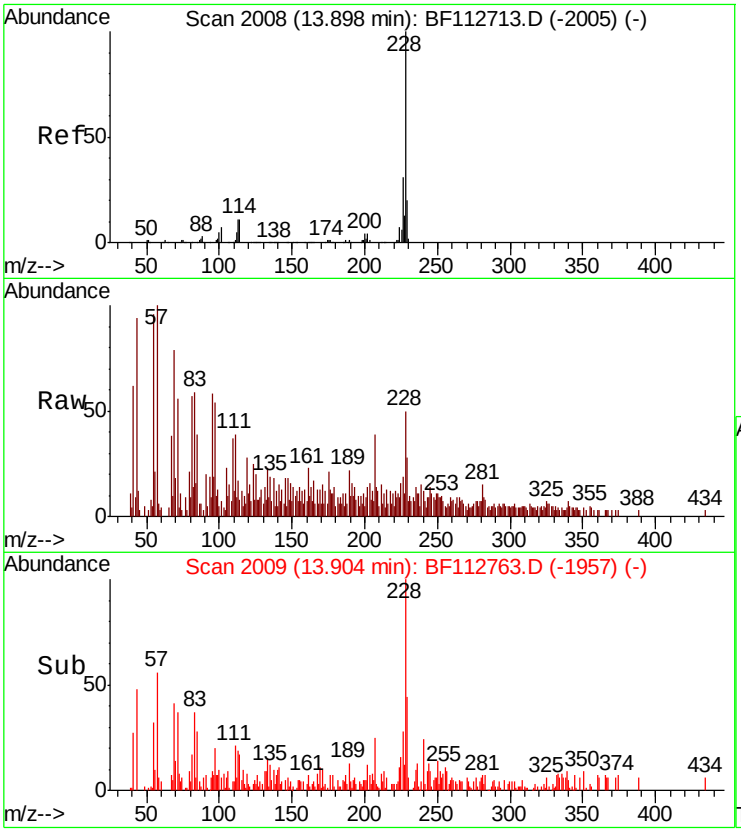


#82
3,3'-Dichlorobenzidine
Concen: 0.031 ng
RT: 13.84 min Scan# 1998
Delta R.T. 0.01 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Tgt Ion:252 Resp: 425

Ion	Ratio	Lower	Upper
252	100		
254	50.3	51.1	76.7#
126	64.8	9.9	14.9#



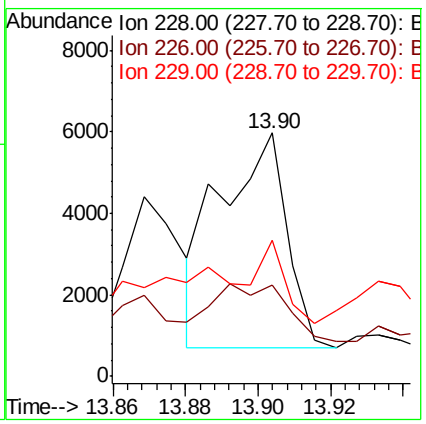


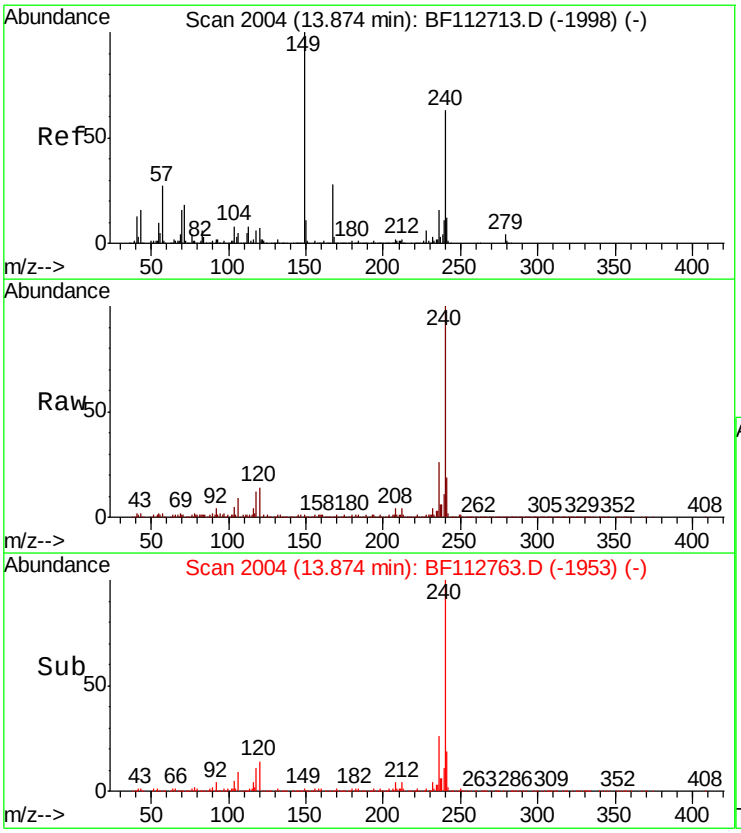
#83
Chrysene
Concen: 0.189 ng
RT: 13.90 min Scan# 2009
Delta R.T. 0.01 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Instrument :
BNA_F
ClientSampleId :
HR-06-022719-B

Tgt Ion:228 Resp: 6732

Ion	Ratio	Lower	Upper
228	100		
226	37.5	24.9	37.3#
229	56.0	16.3	24.5#

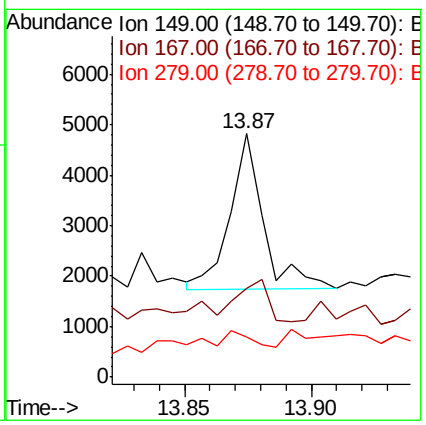


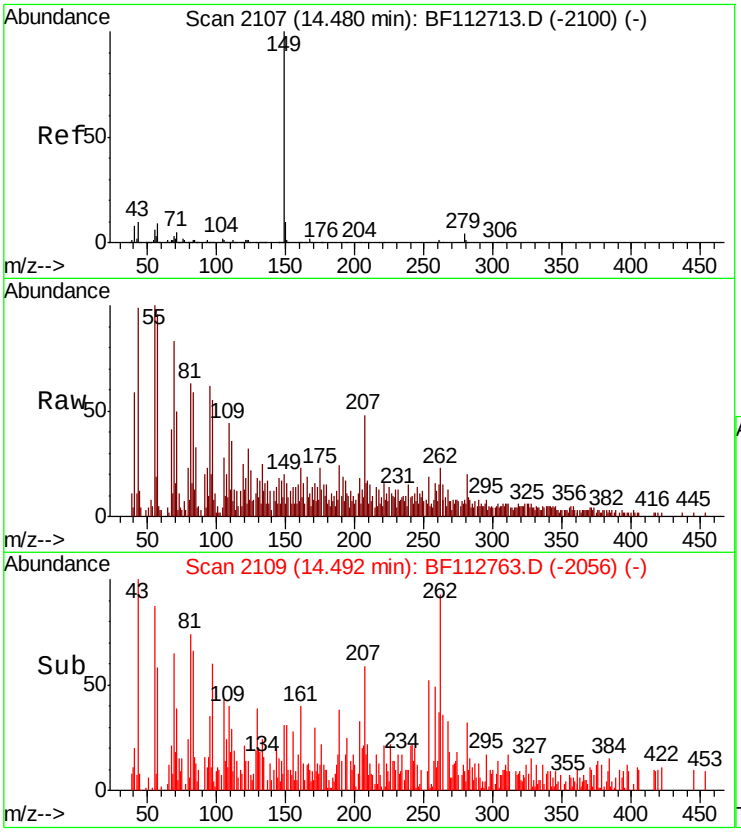


#84
Bis(2-ethylhexyl)phthalate
Concen: 0.122 ng
RT: 13.87 min Scan# 2004
Delta R.T. 0.00 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Tgt Ion:149 Resp: 2795

Ion	Ratio	Lower	Upper
149	100		
167	36.4	22.4	33.6#
279	16.7	3.3	4.9#



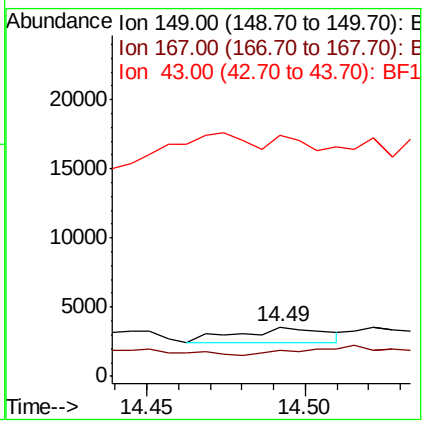


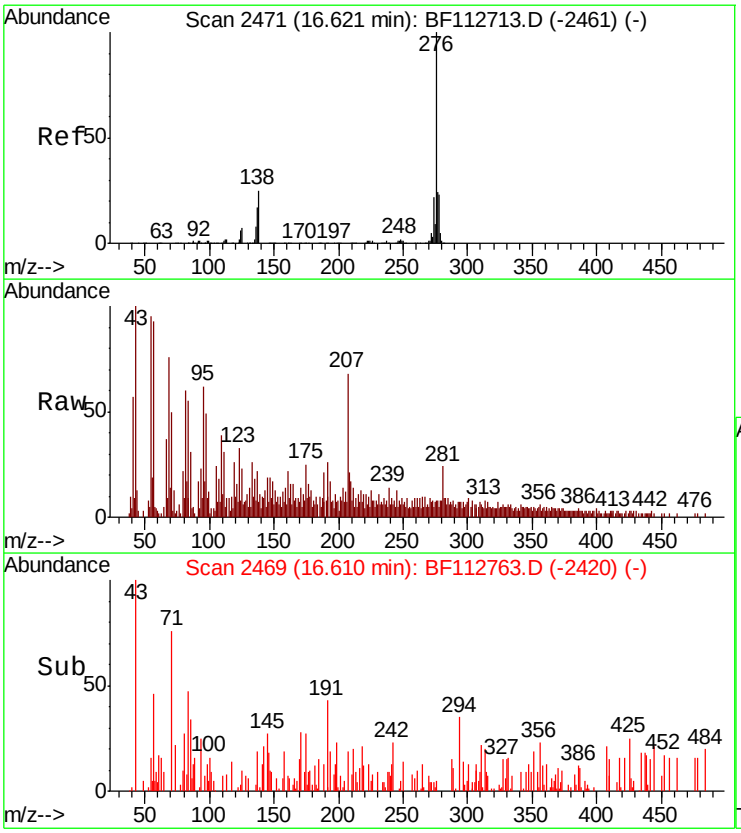
#85
Di-n-octyl phthalate
Concen: 0.051 ng
RT: 14.49 min Scan# 2109
Delta R.T. 0.01 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Instrument :
BNA_F
ClientSampleId :
HR-06-022719-B

Tgt Ion:149 Resp: 2022

Ion	Ratio	Lower	Upper
149	100		
167	0.0	1.2	1.8#
43	222.9	9.0	13.4#

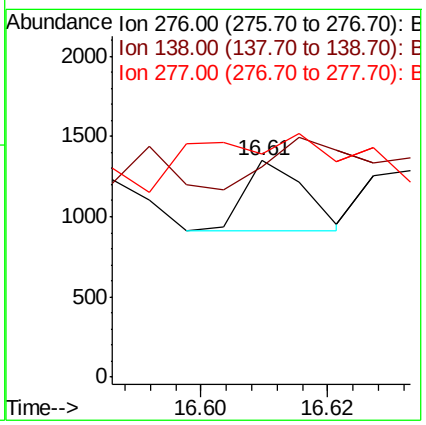


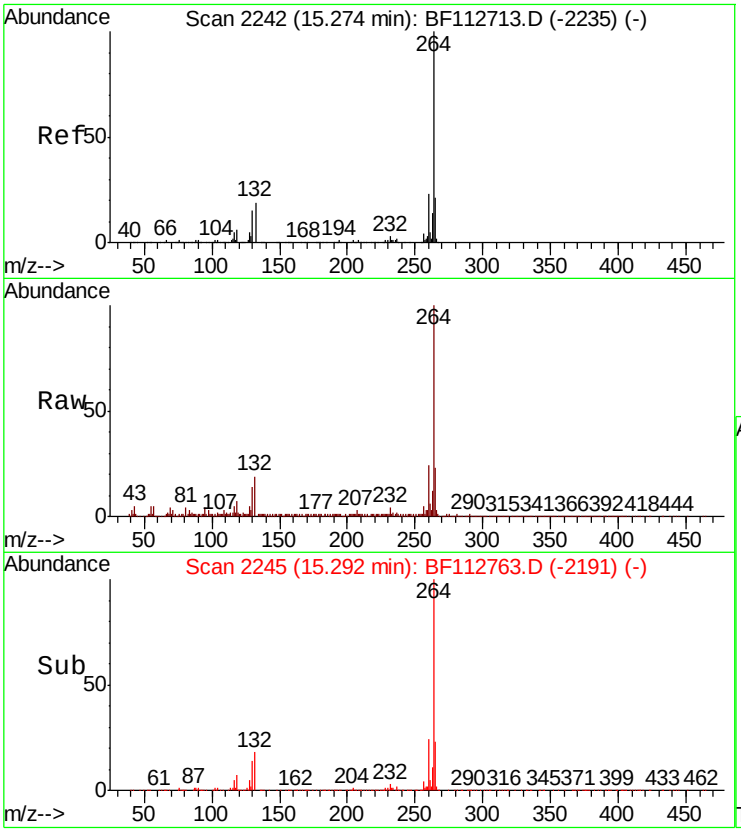


#86
Indeno(1,2,3-cd)pyrene
Concen: 0.009 ng
RT: 16.61 min Scan# 2469
Delta R.T. -0.01 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Tgt Ion:276 Resp: 280

Ion	Ratio	Lower	Upper
276	100		
138	112.9	23.2	34.8#
277	107.5	19.9	29.9#



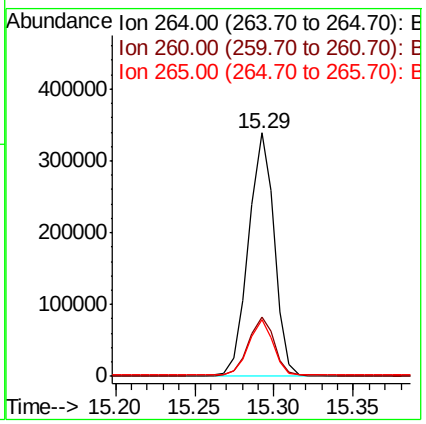


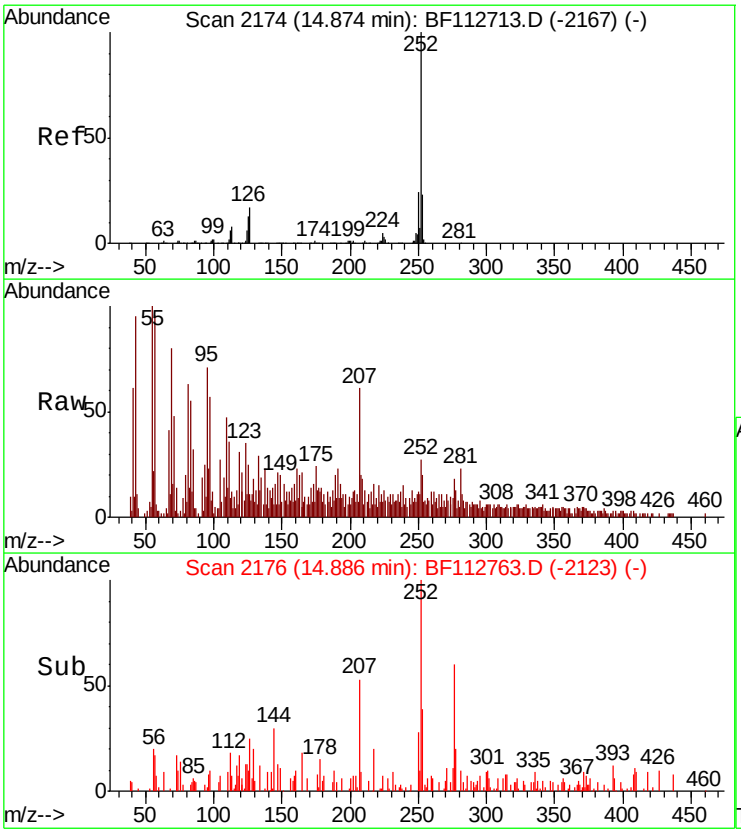
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2245
Delta R.T. 0.02 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Instrument :
BNA_F
ClientSampleId :
HR-06-022719-B

Tgt Ion:264 Resp: 379296

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.7	28.1
265	23.1	17.2	25.8

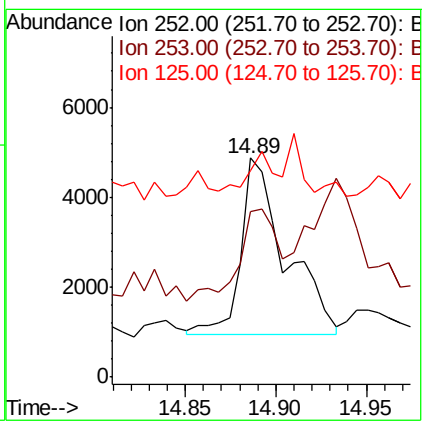


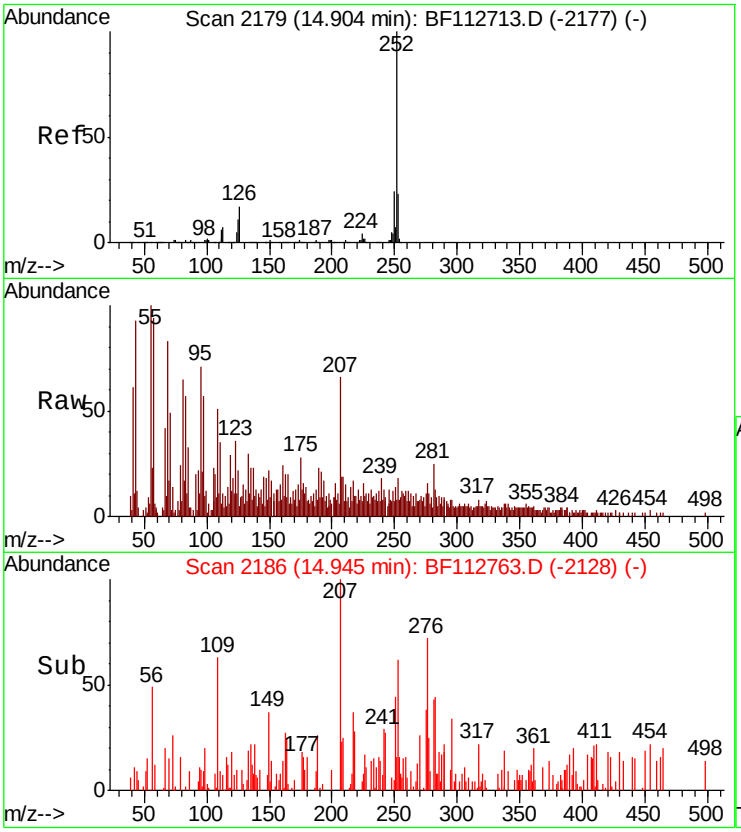


#88
Benzo(b)fluoranthene
Concen: 0.278 ng
RT: 14.89 min Scan# 2176
Delta R.T. 0.01 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Tgt Ion:252 Resp: 6822

Ion	Ratio	Lower	Upper
252	100		
253	75.6	18.0	27.0#
125	94.5	10.2	15.2#



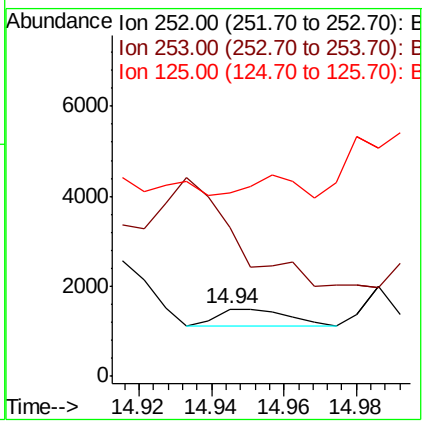


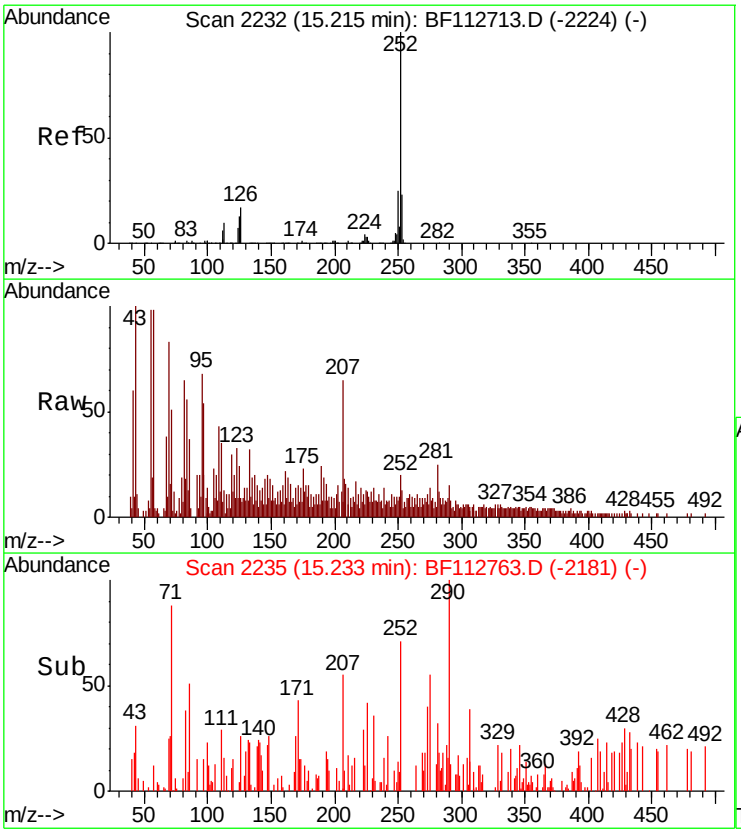
#89
Benzo(k)fluoranthene
Concen: 0.023 ng
RT: 14.94 min Scan# 2186
Delta R.T. 0.04 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Instrument :
BNA_F
ClientSampleId :
HR-06-022719-B

Tgt Ion:252 Resp: 502

Ion	Ratio	Lower	Upper
252	100		
253	220.2	18.2	27.2#
125	270.6	9.8	14.6#

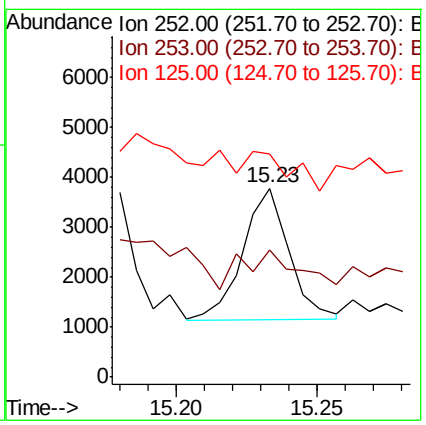


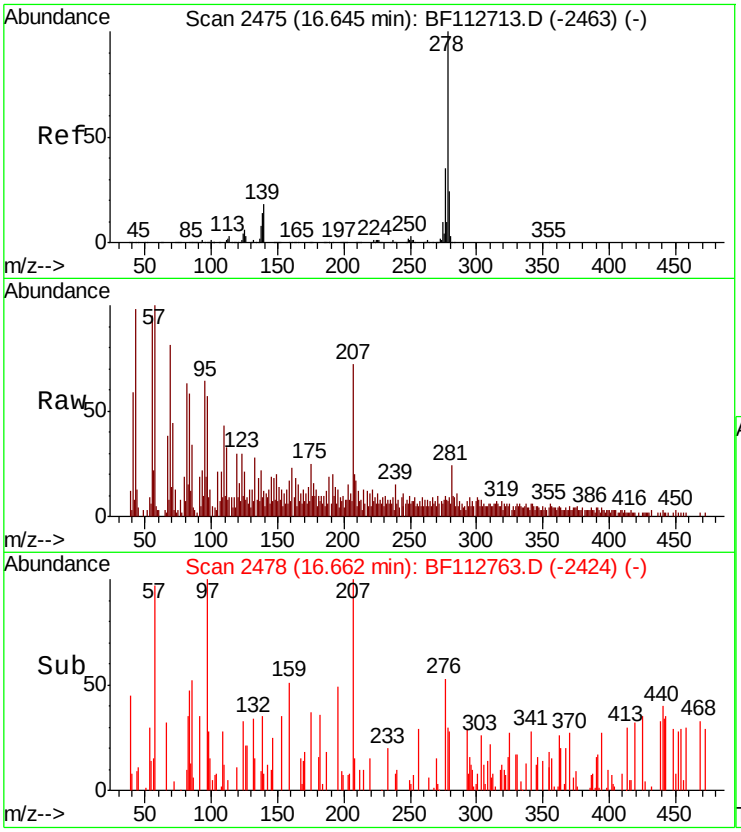


#90
Benzo(a)pyrene
Concen: 0.139 ng
RT: 15.23 min Scan# 2235
Delta R.T. 0.02 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Tgt Ion:252 Resp: 3010

Ion	Ratio	Lower	Upper
252	100		
253	67.1	18.0	27.0#
125	118.0	10.7	16.1#



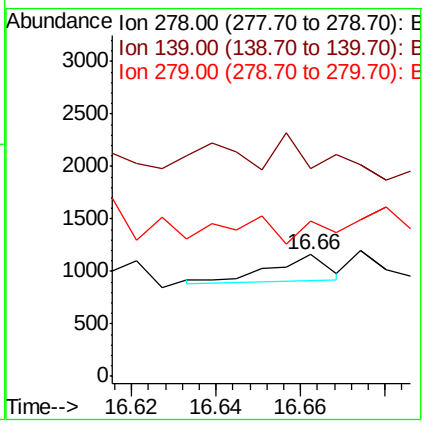


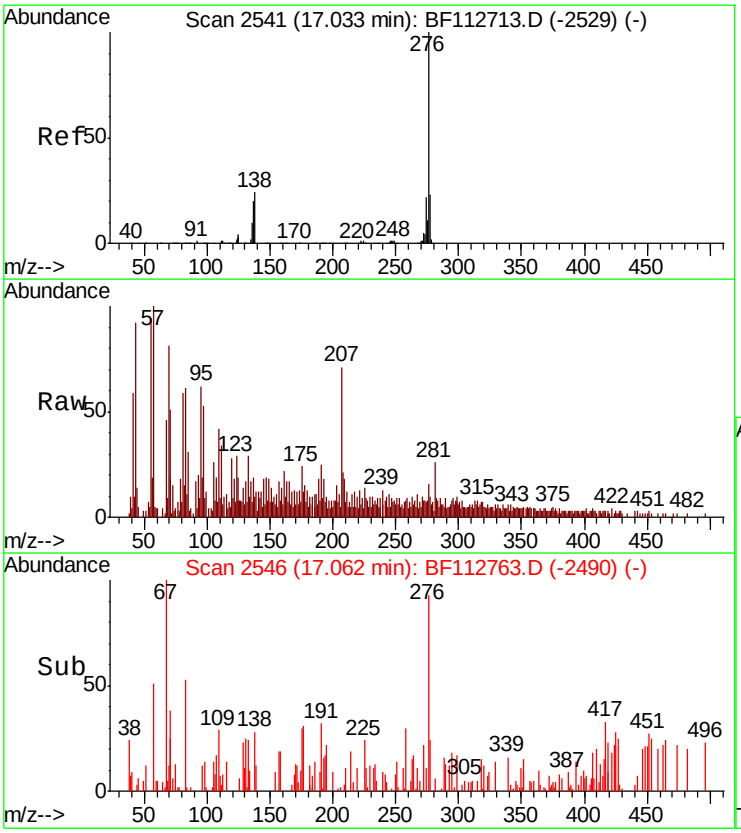
#91
Dibenzo(a,h)anthracene
Concen: 0.012 ng
RT: 16.66 min Scan# 2478
Delta R.T. 0.02 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Instrument :
BNA_F
ClientSampleId :
HR-06-022719-B

Tgt Ion:278 Resp: 231

Ion	Ratio	Lower	Upper
278	100		
139	170.4	14.3	21.5#
279	127.8	19.4	29.0#





#92
Benzo(g,h,i)perylene
Concen: 0.193 ng
RT: 17.06 min Scan# 2546
Delta R.T. 0.03 min
Lab File: BF112763.D
Acq: 28 Feb 2019 15:36

Tgt Ion:276 Resp: 3590

Ion	Ratio	Lower	Upper
276	100		
277	60.1	18.6	27.8#
138	59.7	19.4	29.0#