Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF103018\
Data File : BF110305.D
Acq On : 30 Oct 2018 16:14
Operator : JU/SJ
Sample : J5724-04MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RED-SHALEMSD

Quant Time: Oct 31 04:31:40 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 29 17:29:00 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	98432	20.00	ng		0.00
21) Naphthalene-d8	8.26	136	404360	20.00	ng		0.00
39) Acenaphthene-d10	10.02	164	184698	20.00	ng		0.00
64) Phenanthrene-d10	11.51	188	299823	20.00	ng		0.00
76) Chrysene-d12	14.16	240	187373	20.00	ng		0.00
87) Perylene-d12	15.70	264	185297	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.60	112	577902	95.61	ng		0.01
7) Phenol-d6	6.60	99	732878	94.79	ng		0.00
23) Nitrobenzene-d5	7.53	82	466030	68.36	ng		0.00
42) 2,4,6-Tribromophenol	10.81	330	160149	87.53	ng		0.00
45) 2-Fluorobiphenyl	9.33	172	834511	70.95	ng		0.00
79) Terphenyl-d14	13.09	244	601103	66.72	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.87	88	67744	21.391	ng		89
3) Pyridine	3.65	79	192126	27.238	ng	#	84
4) n-Nitrosodimethylamine	3.60	42	100007	33.841	ng		91
6) Aniline	6.63	93	222022	22.045	ng	#	53
8) 2-Chlorophenol	6.76	128	224270	32.182	ng		99
9) Benzaldehyde	6.52	77	95815	18.202	ng		95
10) Phenol	6.61	94	319237	38.628	ng	#	66
11) bis(2-Chloroethyl)ether	6.70	93	203155	29.879	ng		95
12) 1,3-Dichlorobenzene	6.91	146	229062	29.868	ng		98
13) 1,4-Dichlorobenzene	6.99	146	233409	30.093	ng		97
14) 1,2-Dichlorobenzene	7.14	146	222749	30.936	ng		99
15) Benzyl Alcohol	7.11	79	196514	33.048	ng		91
16) 2,2'-oxybis(1-Chloropropan	7.24	45	323047	29.716	ng		69
17) 2-Methylphenol	7.22	107	178730	32.181	ng	#	82
18) Hexachloroethane	7.48	117	83135	29.276	ng		98
19) n-Nitroso-di-n-propylamine	7.37	70	149866	30.215	ng		95
20) 3+4-Methylphenols	7.37	107	228888	31.883	ng		92
22) Acetophenone	7.38	105	308600	33.121	ng	#	99
24) Nitrobenzene	7.55	77	225830	32.085	ng		97
25) Isophorone	7.79	82	408839	35.181	ng		96
26) 2-Nitrophenol	7.87	139	114430	34.165	ng		95
27) 2,4-Dimethylphenol	7.90	122	202921	36.542	ng		99
28) bis(2-Chloroethoxy)methane	7.99	93	263332	33.356	ng		99
29) 2,4-Dichlorophenol	8.11	162	186422	33.229	ng		98
30) 1,2,4-Trichlorobenzene	8.19	180	200439	31.896	ng		94
31) Naphthalene	8.27	128	700101	37.566	ng		99
32) Benzoic acid	7.90	122	202921	47.280	ng	#	10
33) 4-Chloroaniline	8.32	127	133910	15.965	ng		97
34) Hexachlorobutadiene	8.39	225	108077	30.975	ng		97
35) Caprolactam	8.73	113	16105	8.236	ng		90
36) 4-Chloro-3-methylphenol	8.80	107	198071	32.649	ng		93
37) 2-Methylnaphthalene	8.97	142	454849	36.888	ng		98
38) 1-Methylnaphthalene	9.07	142	427698	35.893	ng		99
40) 1,2,4,5-Tetrachlorobenzene	9.13	216	185772	32.281	ng		98

Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF103018\
Data File : BF110305.D
Acq On : 30 Oct 2018 16:14
Operator : JU/SJ
Sample : J5724-04MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : RED-SHALEMSD

Quant Time: Oct 31 04:31:40 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 29 17:29:00 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Hexachlorocyclopentadiene	9.12	237	96781	32.889	ng		99
43) 2,4,6-Trichlorophenol	9.25	196	127247	34.282	ng		97
44) 2,4,5-Trichlorophenol	9.29	196	132877	33.867	ng		97
46) 1,1'-Biphenyl	9.43	154	532736	31.896	ng		99
47) 2-Chloronaphthalene	9.46	162	396630	32.374	ng		98
48) 2-Nitroaniline	9.56	65	122609	33.025	ng		91
49) Acenaphthylene	9.87	152	639740	36.153	ng		99
50) Dimethylphthalate	9.73	163	540433	39.639	ng		99
51) 2,6-Dinitrotoluene	9.80	165	97565	33.221	ng	#	84
52) Acenaphthene	10.05	154	441465	37.711	ng		98
53) 3-Nitroaniline	9.97	138	85789	24.564	ng		86
54) 2,4-Dinitrophenol	10.07	184	18942	20.375	ng		94
55) Dibenzofuran	10.22	168	605134	36.921	ng		98
56) 4-Nitrophenol	10.13	139	205354	79.447	ng		96
57) 2,4-Dinitrotoluene	10.20	165	124449	33.362	ng	#	87
58) Fluorene	10.57	166	545052	44.683	ng		98
59) 2,3,4,6-Tetrachlorophenol	10.30	232	92461	28.912	ng		99
60) Diethylphthalate	10.43	149	453483	34.074	ng		99
61) 4-Chlorophenyl-phenylether	10.55	204	197682	30.720	ng		97
62) 4-Nitroaniline	10.59	138	96132	27.675	ng		87
63) Azobenzene	10.72	77	410609	31.082	ng		92
65) 4,6-Dinitro-2-methylphenol	10.62	198	23310	17.017	ng		98
66) n-Nitrosodiphenylamine	10.67	169	361237	36.733	ng		97
67) 4-Bromophenyl-phenylether	11.05	248	113236	34.818	ng		94
68) Hexachlorobenzene	11.12	284	111738	32.381	ng	#	94
69) Atrazine	11.20	200	110581	35.582	ng		98
70) Pentachlorophenol	11.32	266	98052	48.730	ng		96
71) Phenanthrene	11.55	178	1715938	109.378	ng		99
72) Anthracene	11.59	178	939388	59.739	ng		99
73) Carbazole	11.75	167	594740	38.736	ng		99
74) Di-n-butylphthalate	12.06	149	630433	36.356	ng		98
75) Fluoranthene	12.74	202	1873003	117.639	ng		97
77) Benzidine	12.85	184	138443	20.641	ng		97
78) Pyrene	12.97	202	1657154	123.364	ng		99
80) Butylbenzylphthalate	13.56	149	206932	35.491	ng		94
81) Benzo(a)anthracene	14.16	228	1017339	91.556	ng		99
82) 3,3'-Dichlorobenzidine	14.11	252	117049	30.251	ng		98
83) Chrysene	14.19	228	831110	78.749	ng		99
84) Bis(2-ethylhexyl)phthalate	14.12	149	278744	35.366	ng	#	94
85) Di-n-octyl phthalate	14.73	149	460399	37.567	ng		99
86) Indeno(1,2,3-cd)pyrene	17.29	276	600676	68.606	ng		100
88) Benzo(b)fluoranthene	15.25	252	998029	93.272	ng		98
89) Benzo(k)fluoranthene	15.27	252	580702	55.203	ng	#	97
90) Benzo(a)pyrene	15.64	252	808755	82.141	ng		99
91) Dibenzo(a,h)anthracene	17.30	278	340094	40.032	ng		97
92) Benzo(g,h,i)perylene	17.77	276	509291	60.835	ng		98

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

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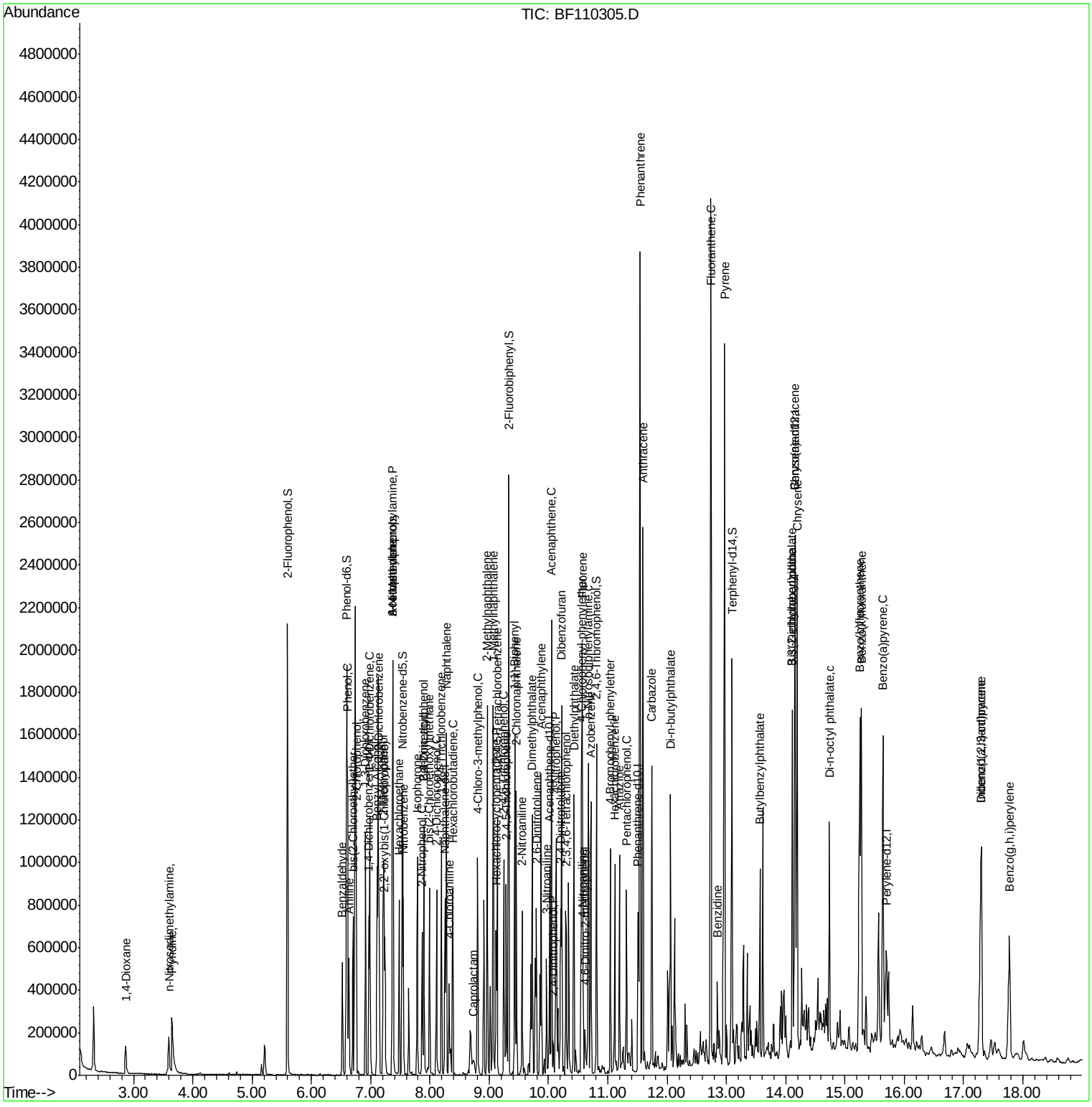
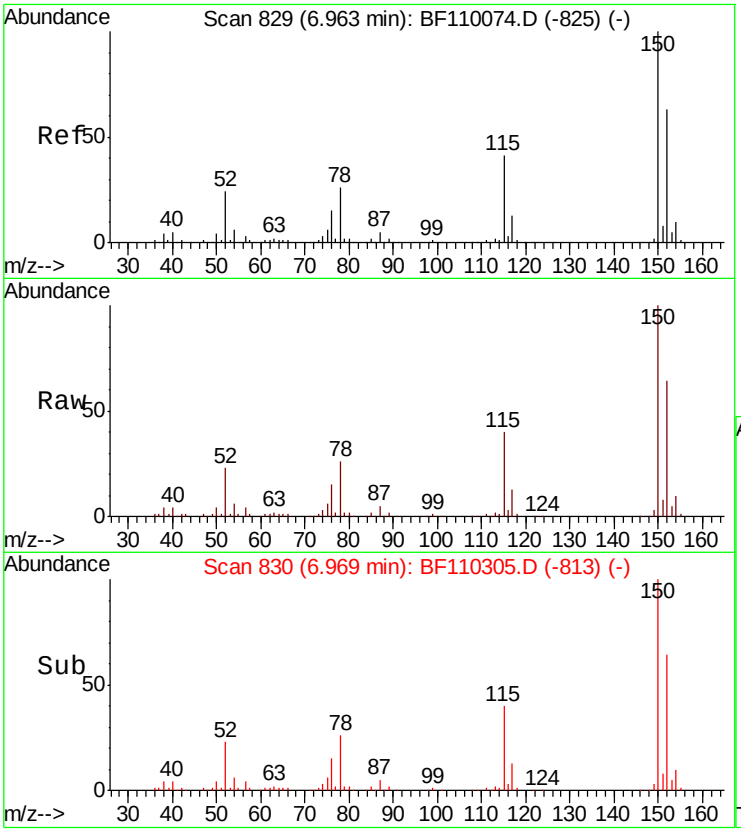
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF103018\
Data File : BF110305.D
Acq On : 30 Oct 2018 16:14
Operator : JU/SJ
Sample : J5724-04MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMSD

Quant Time: Oct 31 04:31:40 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 29 17:29:00 2018
Response via : Initial Calibration



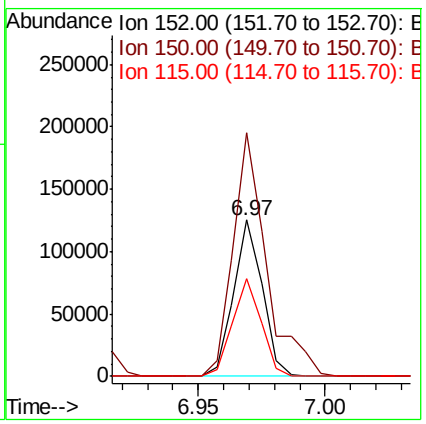


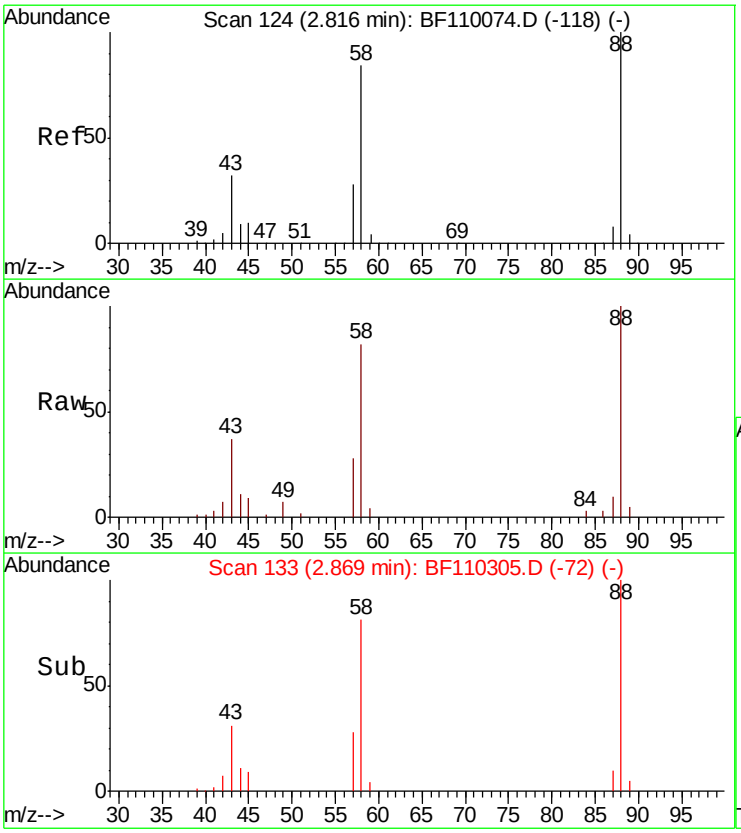
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMSD

Tgt Ion:152 Resp: 98432

Ion	Ratio	Lower	Upper
152	100		
150	156.1	122.7	184.1
115	62.5	49.1	73.7

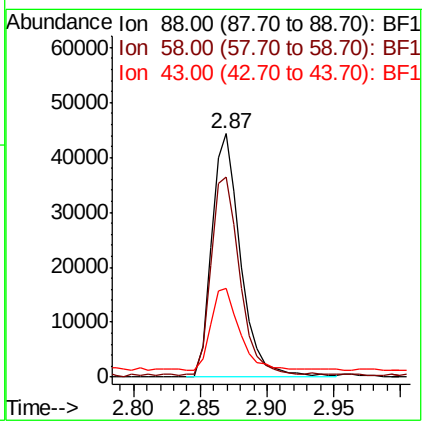


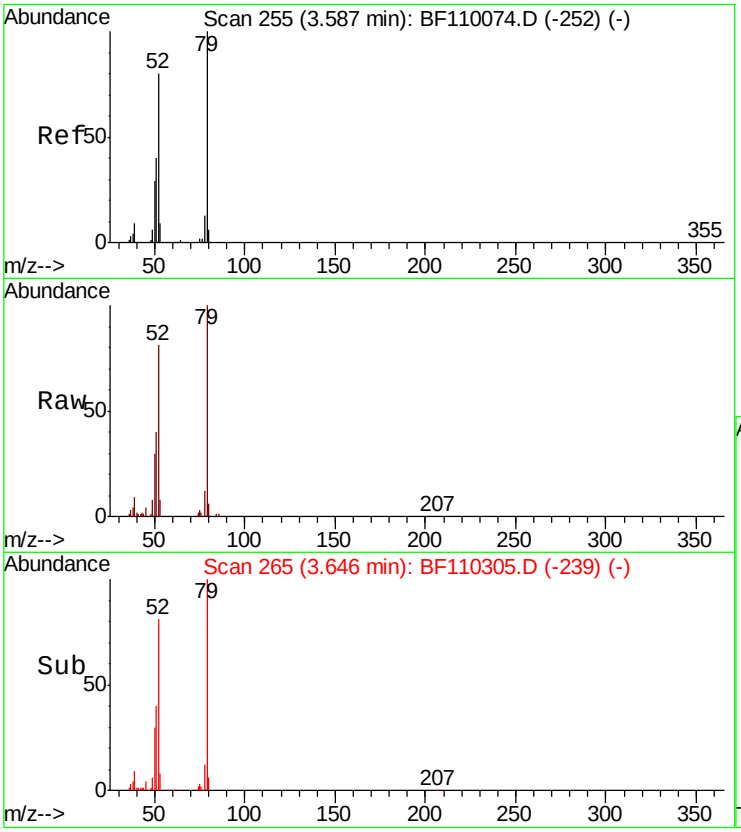


#2
1,4-Dioxane
Concen: 21.391 ng
RT: 2.87 min Scan# 133
Delta R.T. 0.06 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Tgt Ion: 88 Resp: 67744

Ion	Ratio	Lower	Upper
88	100		
58	82.3	57.1	85.7
43	33.7	24.1	36.1



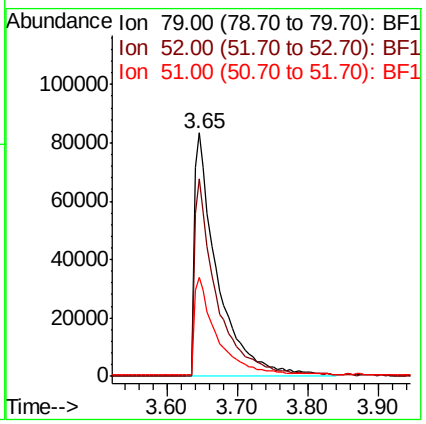


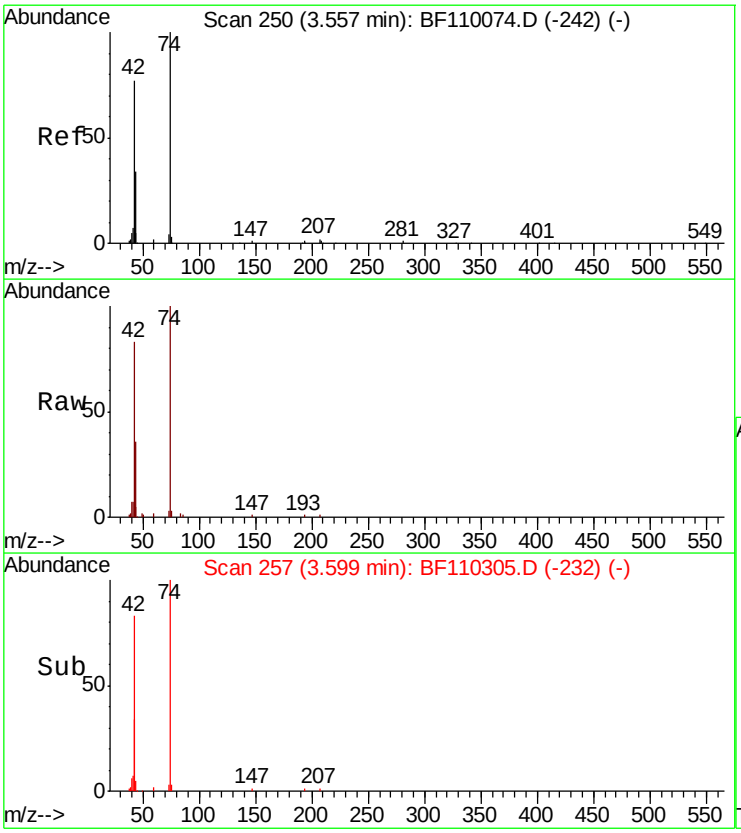
#3
Pyridine
Concen: 27.238 ng
RT: 3.65 min Scan# 265
Delta R.T. 0.05 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMSD

Tgt Ion: 79 Resp: 192126

Ion	Ratio	Lower	Upper
79	100		
52	80.9	53.1	79.7#
51	40.4	27.4	41.2

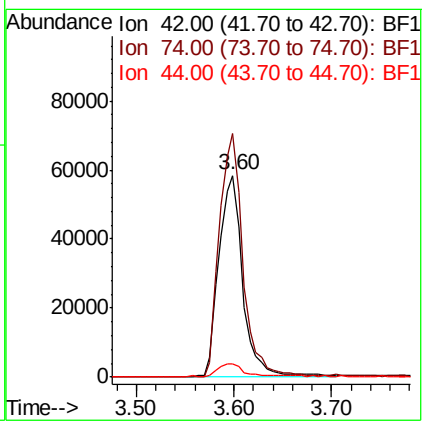


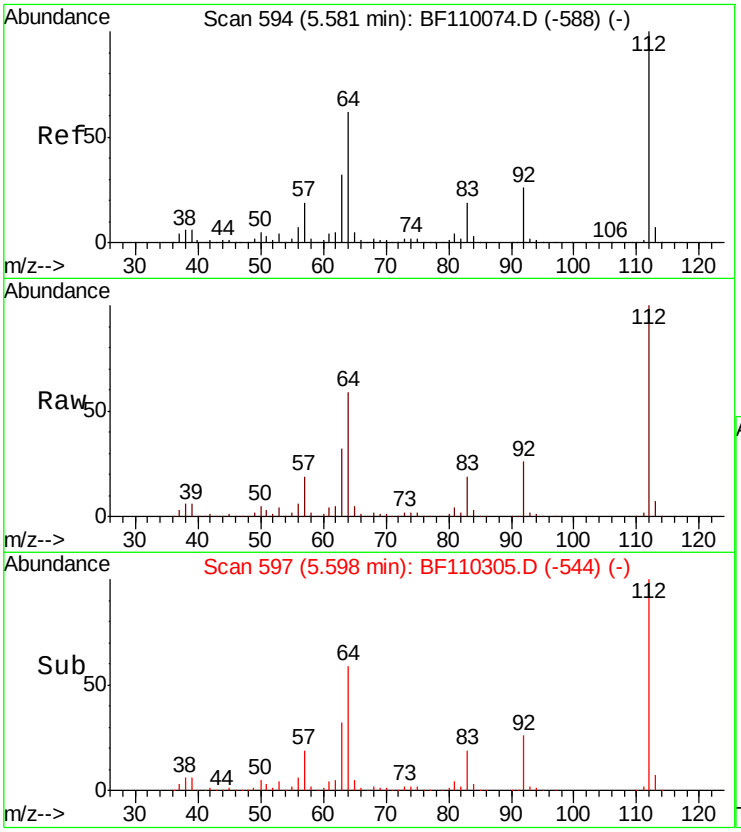


#4
n-Nitrosodimethylamine
Concen: 33.841 ng
RT: 3.60 min Scan# 257
Delta R.T. 0.05 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Tgt Ion: 42 Resp: 100007

Ion	Ratio	Lower	Upper
42	100		
74	120.9	105.5	158.3
44	6.4	4.9	7.3



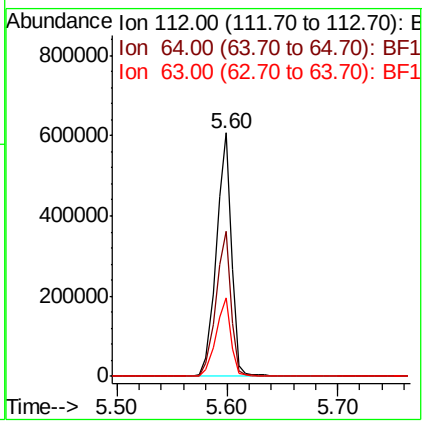


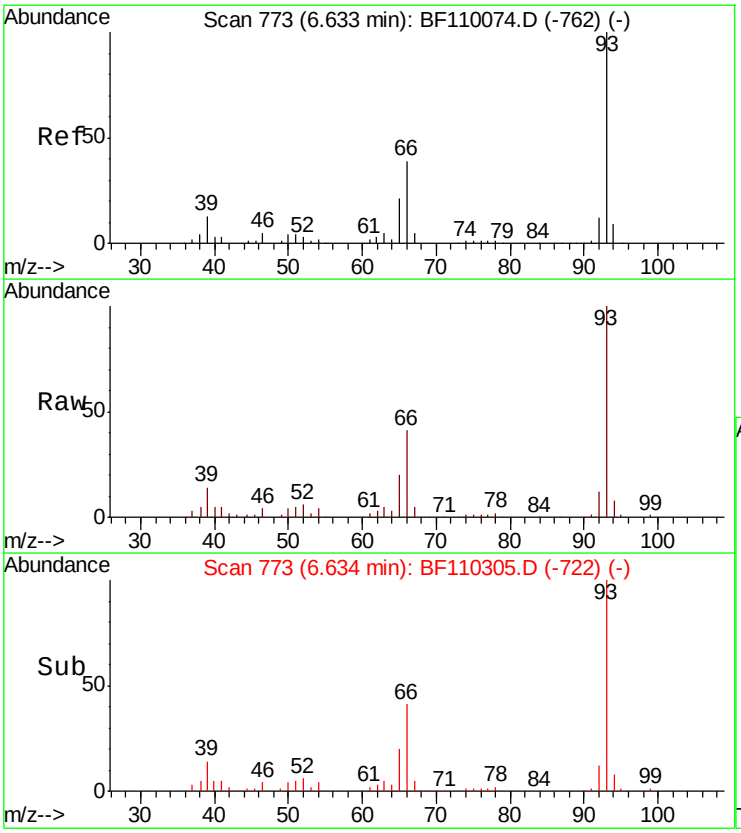
#5
2-Fluorophenol
Concen: 95.608 ng
RT: 5.60 min Scan# 597
Delta R.T. 0.01 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMSD

Tgt Ion:112 Resp: 577902

Ion	Ratio	Lower	Upper
112	100		
64	59.5	44.1	66.1
63	32.1	23.7	35.5

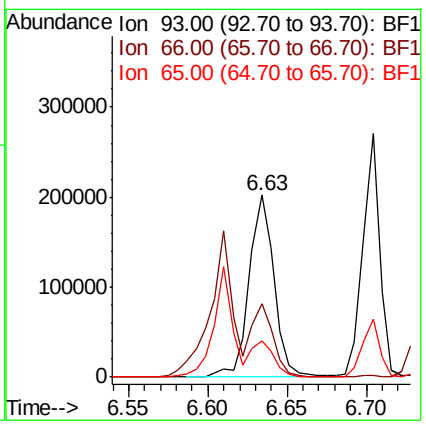


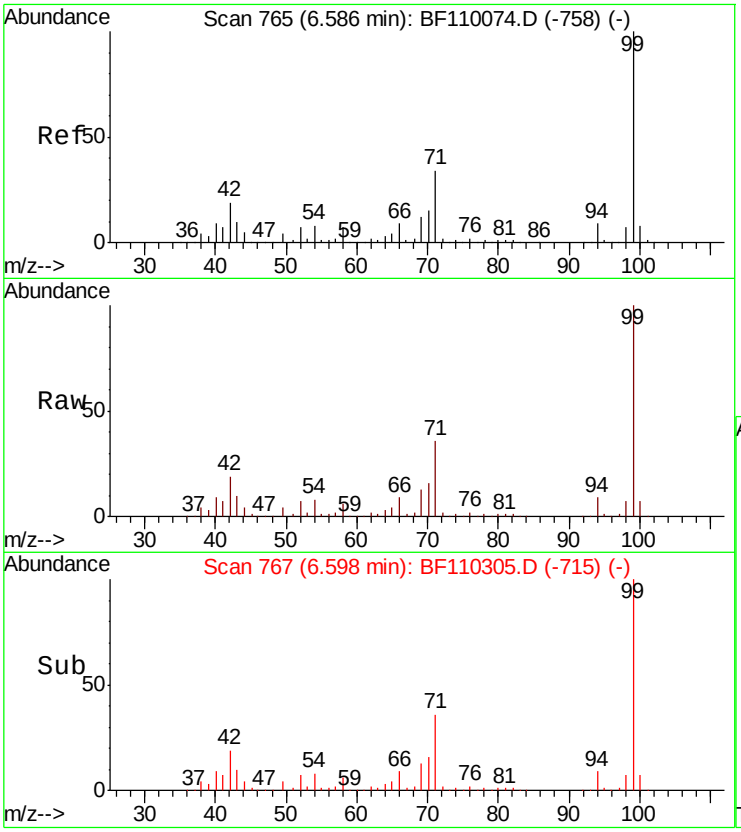


#6
Aniline
Concen: 22.045 ng
RT: 6.63 min Scan# 773
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Tgt Ion: 93 Resp: 222022

Ion	Ratio	Lower	Upper
93	100		
66	40.7	67.4	101.0#
65	19.9	41.0	61.4#



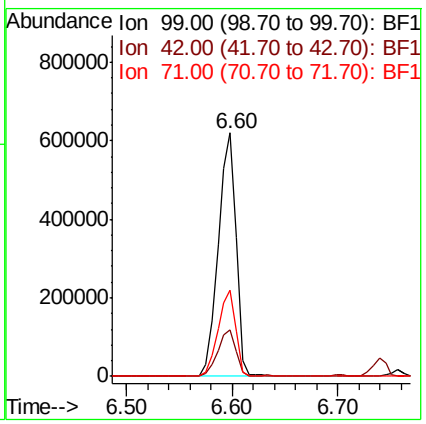


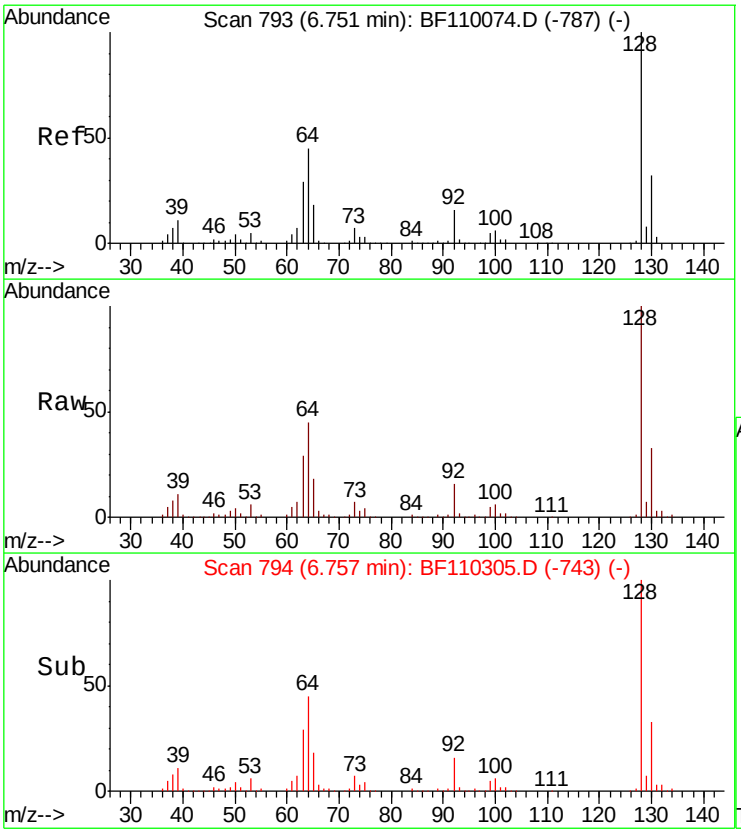
#7
Phenol-d6
Concen: 94.792 ng
RT: 6.60 min Scan# 767
Delta R.T. 0.01 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMSD

Tgt Ion: 99 Resp: 732878

Ion	Ratio	Lower	Upper
99	100		
42	19.1	15.8	23.6
71	35.5	28.0	42.0

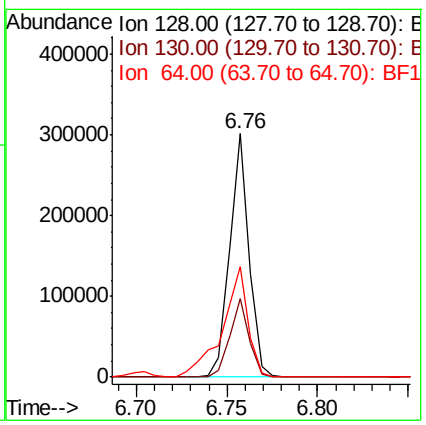


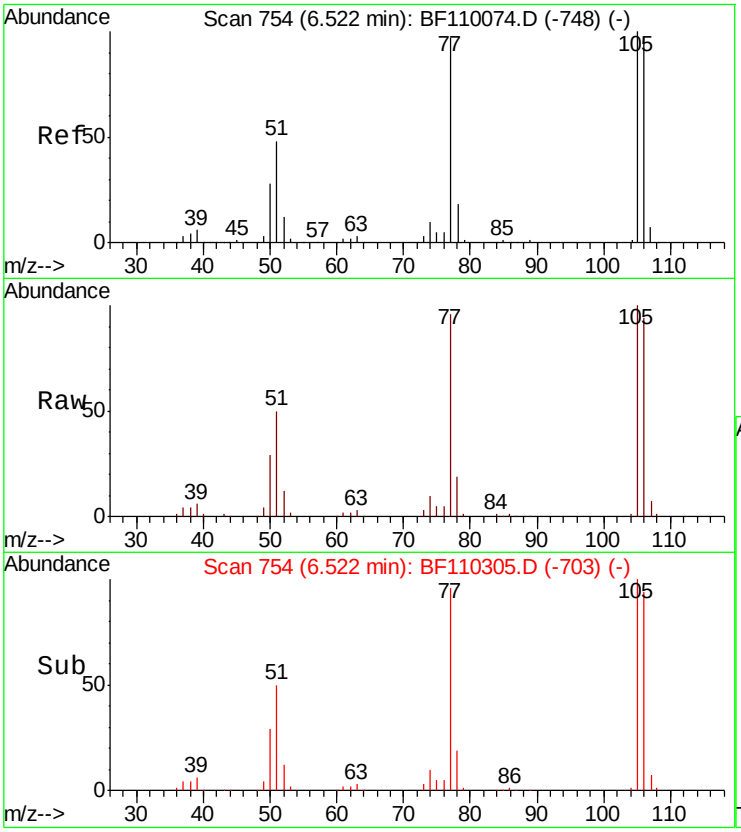


#8
2-Chlorophenol
Concen: 32.182 ng
RT: 6.76 min Scan# 794
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Tgt Ion:128 Resp: 224270

Ion	Ratio	Lower	Upper
128	100		
130	32.5	13.1	53.1
64	45.4	26.0	66.0



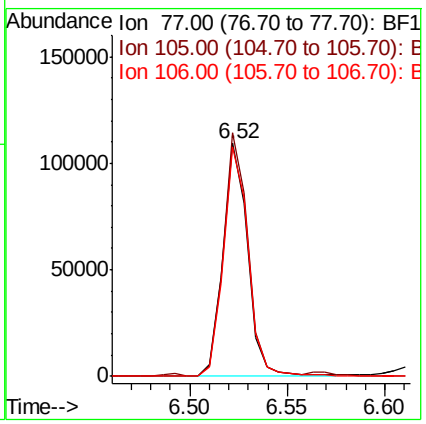


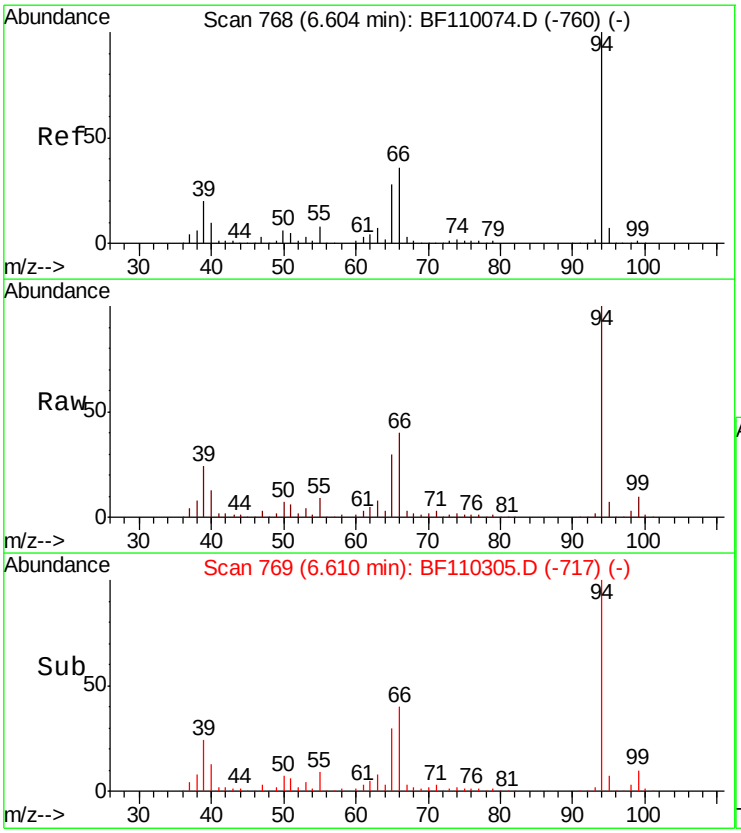
#9
Benzaldehyde
Concen: 18.202 ng
RT: 6.52 min Scan# 754
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMSD

Tgt Ion: 77 Resp: 95815

Ion	Ratio	Lower	Upper
77	100		
105	104.4	78.6	118.6
106	98.3	74.8	114.8

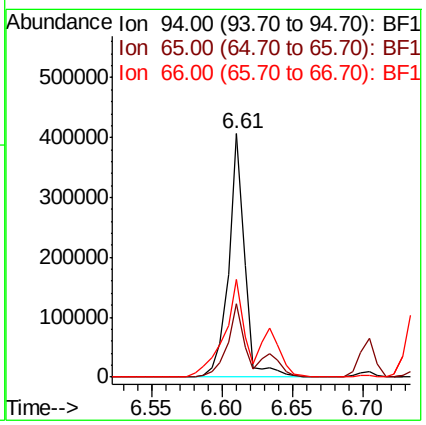


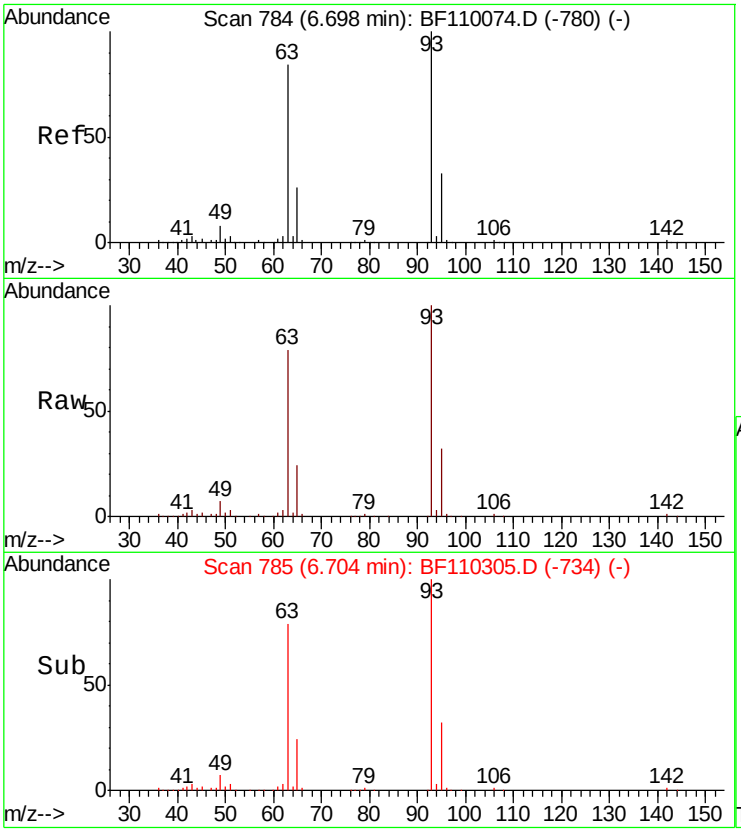


#10
Phenol
Concen: 38.628 ng
RT: 6.61 min Scan# 769
Delta R.T. 0.01 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Tgt Ion: 94 Resp: 319237

Ion	Ratio	Lower	Upper
94	100		
65	30.4	25.3	65.3
66	40.1	54.5	94.5#



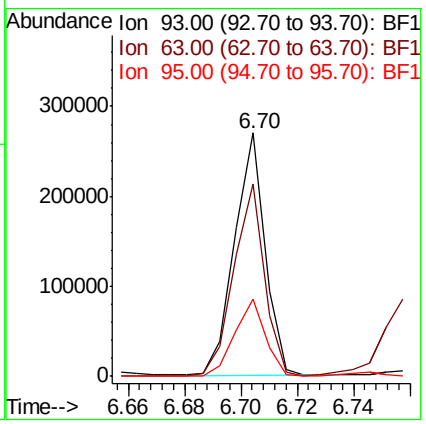


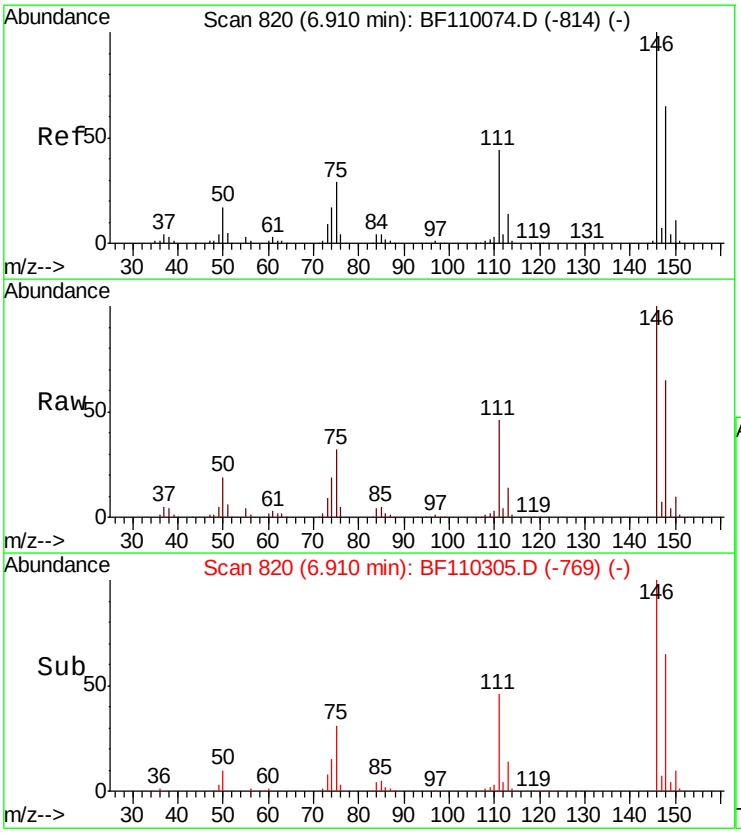
#11
bis(2-Chloroethyl)ether
Concen: 29.879 ng
RT: 6.70 min Scan# 785
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMSD

Tgt Ion: 93 Resp: 203155

Ion	Ratio	Lower	Upper
93	100		
63	78.9	53.4	93.4
95	31.8	12.1	52.1

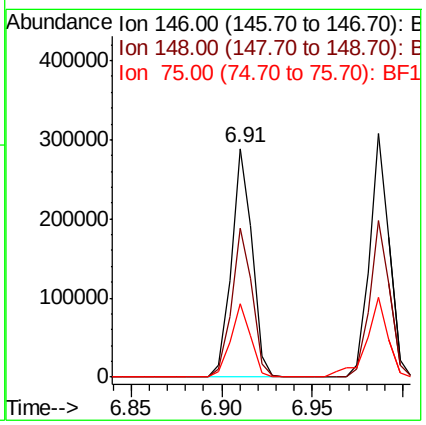


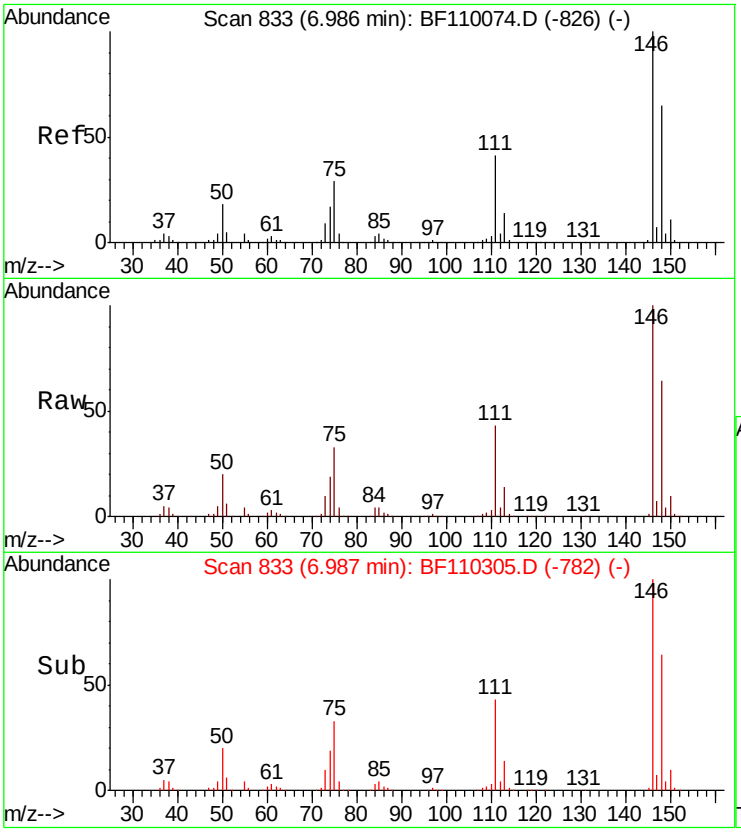


#12
1,3-Dichlorobenzene
Concen: 29.868 ng
RT: 6.91 min Scan# 820
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Tgt Ion:146 Resp: 229062

Ion	Ratio	Lower	Upper
146	100		
148	65.4	50.4	75.6
75	32.1	25.8	38.6



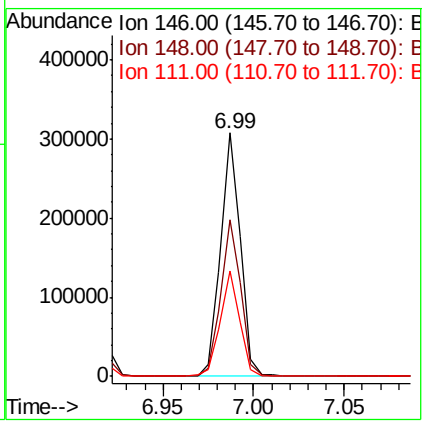


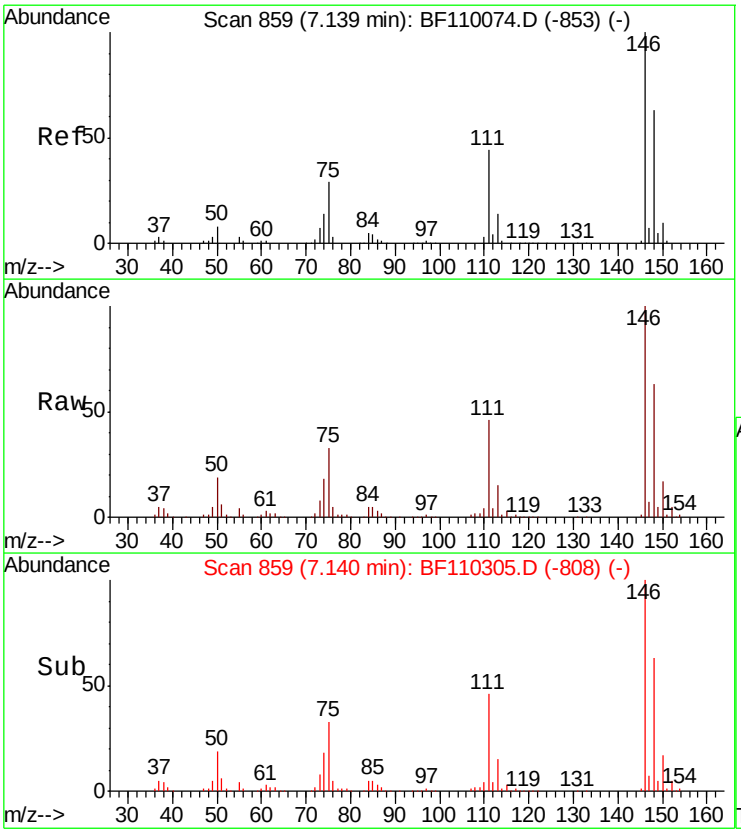
#13
1,4-Dichlorobenzene
Concen: 30.093 ng
RT: 6.99 min Scan# 833
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMSD

Tgt Ion:146 Resp: 233409

Ion	Ratio	Lower	Upper
146	100		
148	64.2	50.3	75.5
111	43.4	32.7	49.1

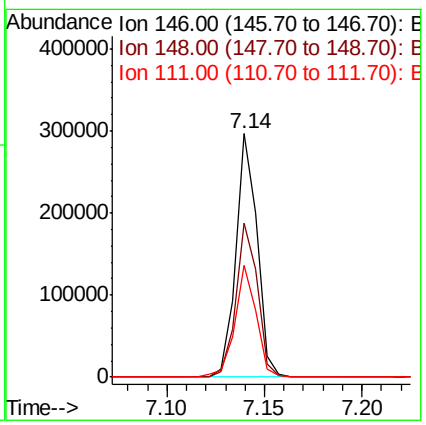


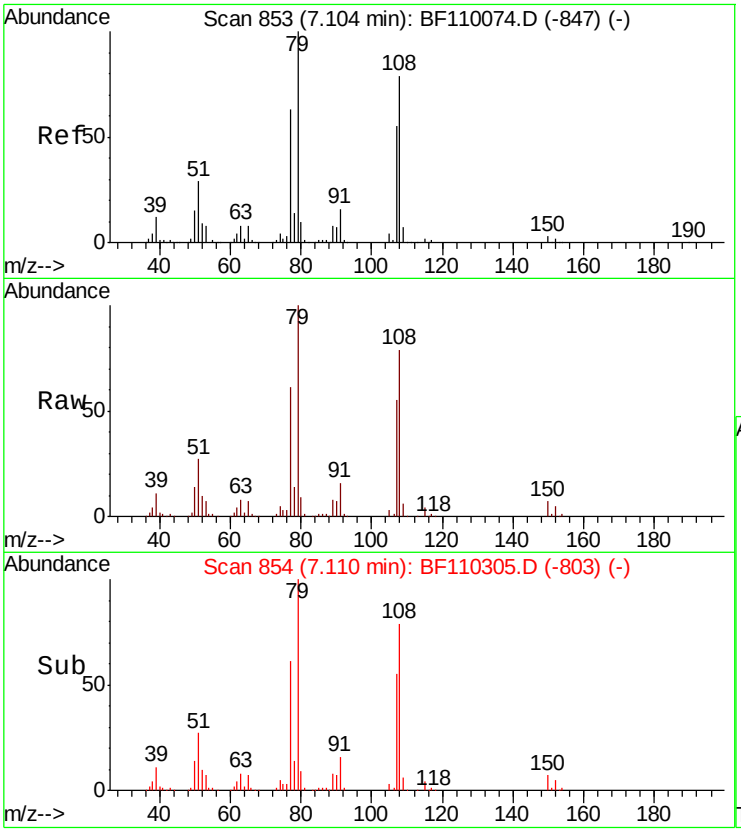


#14
1,2-Dichlorobenzene
Concen: 30.936 ng
RT: 7.14 min Scan# 859
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Tgt Ion:146 Resp: 222749

Ion	Ratio	Lower	Upper
146	100		
148	63.4	51.1	76.7
111	45.7	35.8	53.6



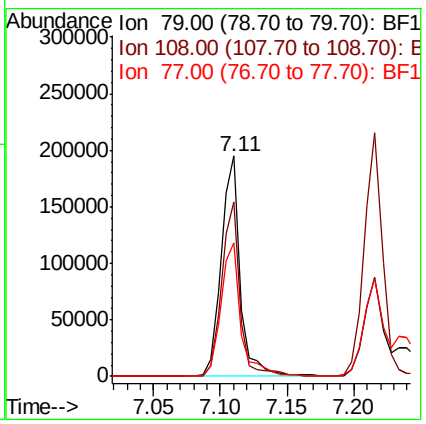


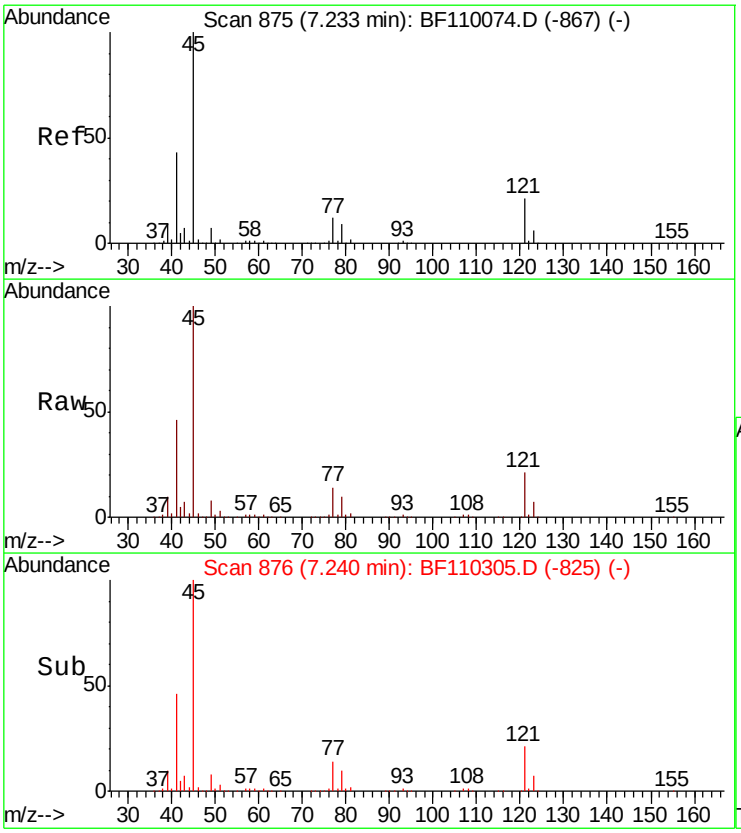
#15
Benzyl Alcohol
Concen: 33.048 ng
RT: 7.11 min Scan# 854
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMSD

Tgt Ion: 79 Resp: 196514

Ion	Ratio	Lower	Upper
79	100		
108	79.3	56.3	84.5
77	60.5	52.9	79.3

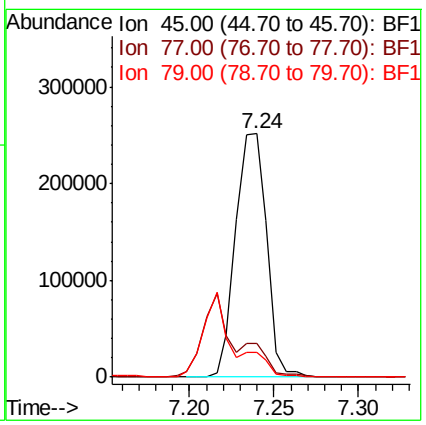


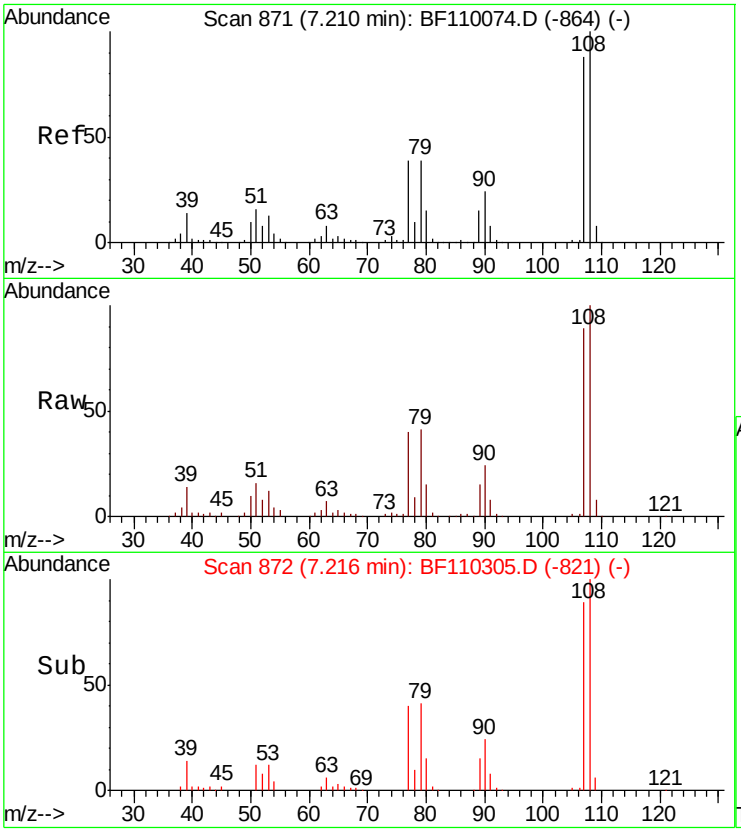


#16
2,2'-oxybis(1-Chloropropane)
Concen: 29.716 ng
RT: 7.24 min Scan# 876
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Tgt Ion: 45 Resp: 323047

Ion	Ratio	Lower	Upper
45	100		
77	13.8	10.0	50.0
79	10.2	6.1	46.1



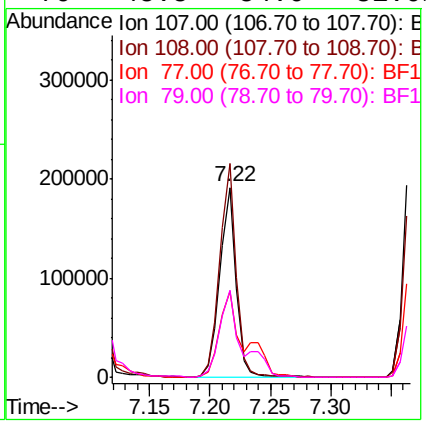


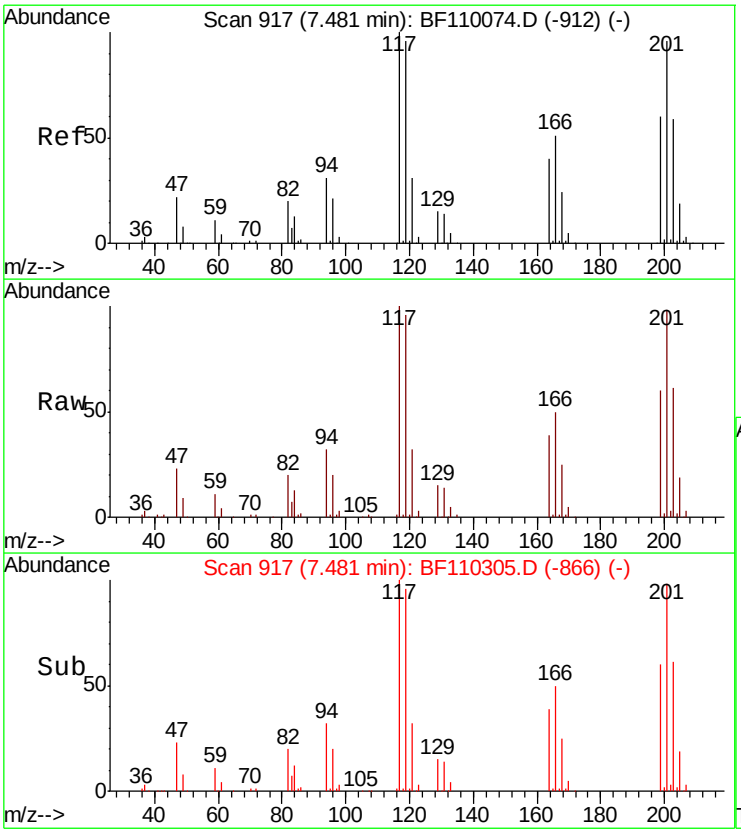
#17
2-Methylphenol
Concen: 32.181 ng
RT: 7.22 min Scan# 872
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMSD

Tgt Ion:107 Resp: 178730

Ion	Ratio	Lower	Upper
107	100		
108	112.4	92.6	138.8
77	45.3	59.4	89.2#
79	45.5	54.0	81.0#

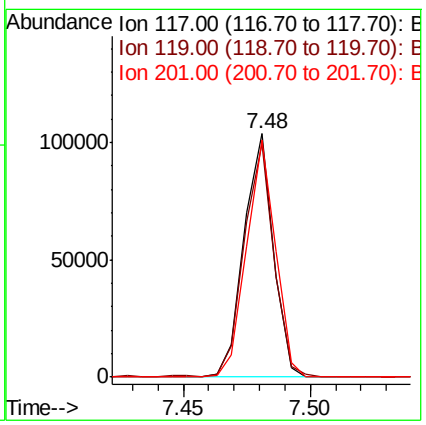


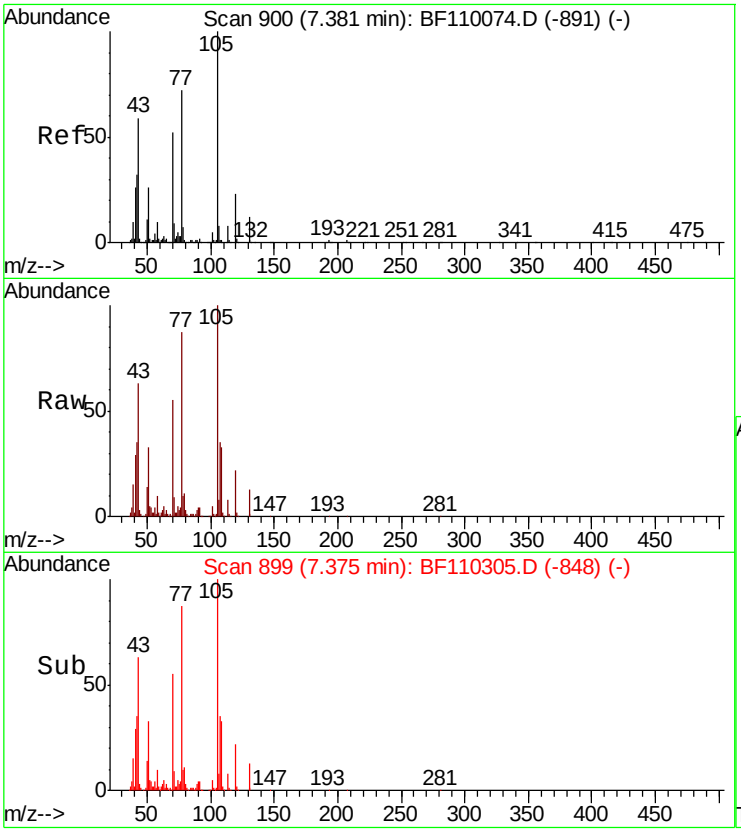


#18
Hexachloroethane
Concen: 29.276 ng
RT: 7.48 min Scan# 917
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Tgt Ion:117 Resp: 83135

Ion	Ratio	Lower	Upper
117	100		
119	95.8	75.0	112.6
201	97.6	79.2	118.8



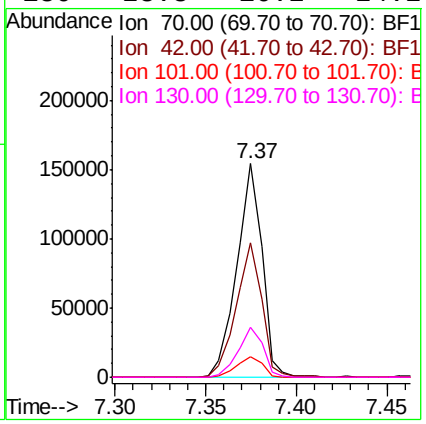


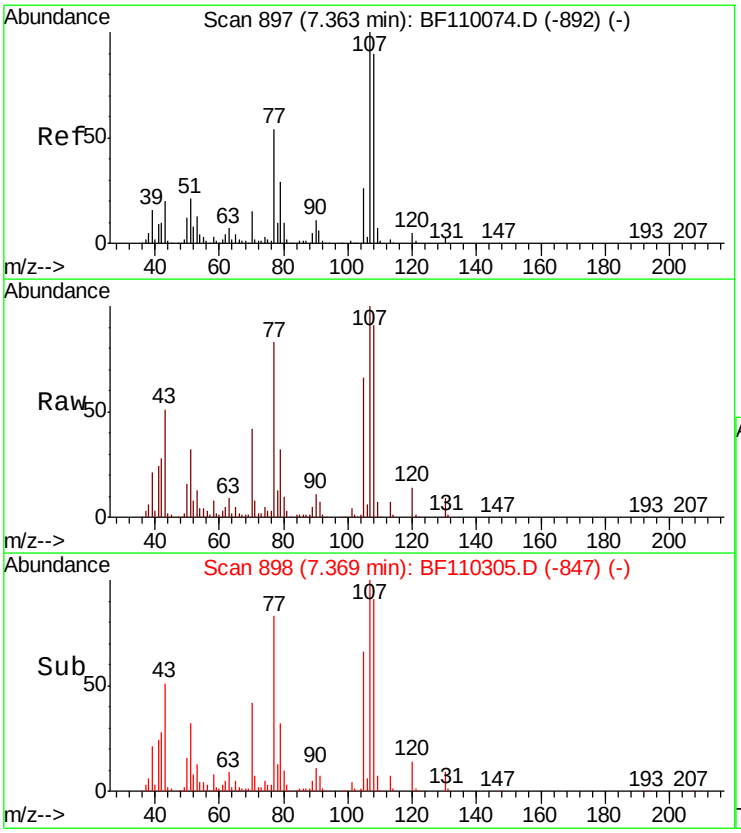
#19
n-Nitroso-di-n-propylamine
Concen: 30.215 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMSD

Tgt Ion: 70 Resp: 149866

Ion	Ratio	Lower	Upper
70	100		
42	63.1	47.4	71.2
101	9.3	7.3	10.9
130	23.3	16.2	24.2

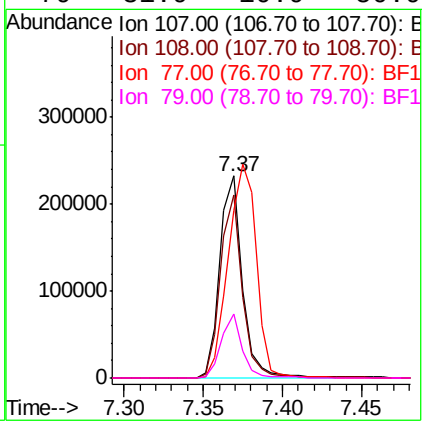


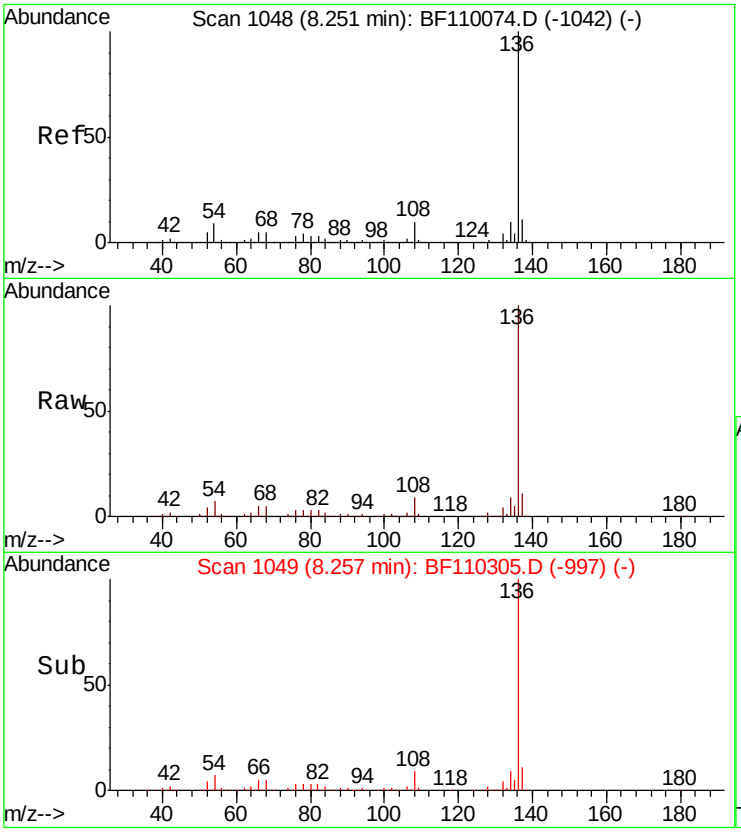


#20
3+4-Methylphenols
Concen: 31.883 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Tgt Ion:107 Resp: 228888

Ion	Ratio	Lower	Upper
107	100		
108	91.1	71.4	111.4
77	83.4	47.3	87.3
79	31.9	10.9	50.9



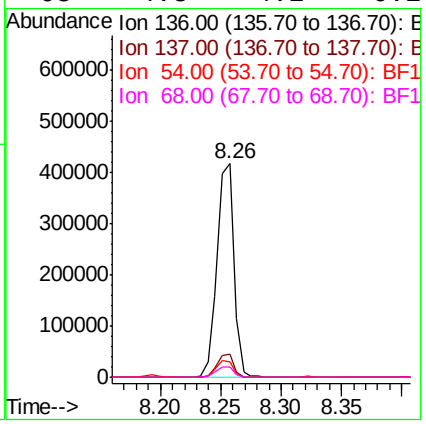


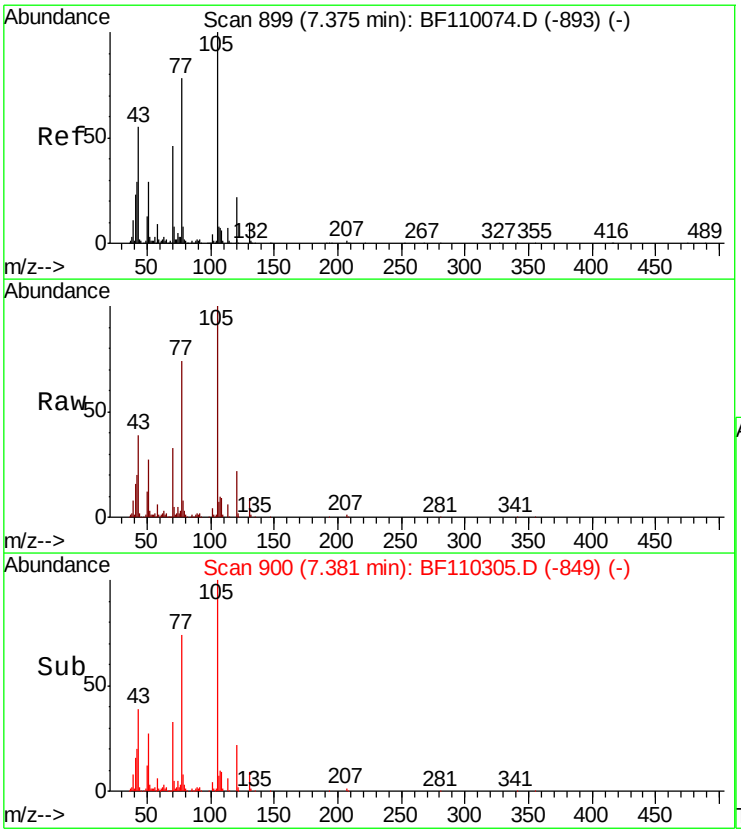
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.26 min Scan# 1049
Delta R.T. 0.01 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMSD

Tgt Ion:136 Resp: 404360

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	6.9	5.4	8.2
68	4.8	4.2	6.2

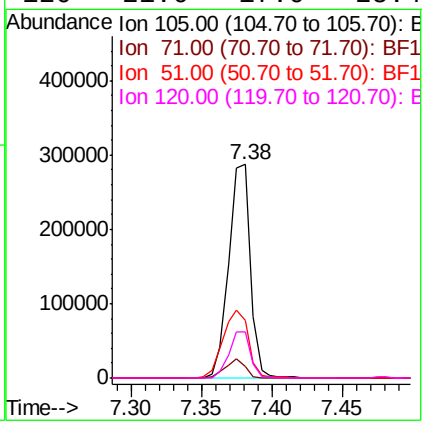


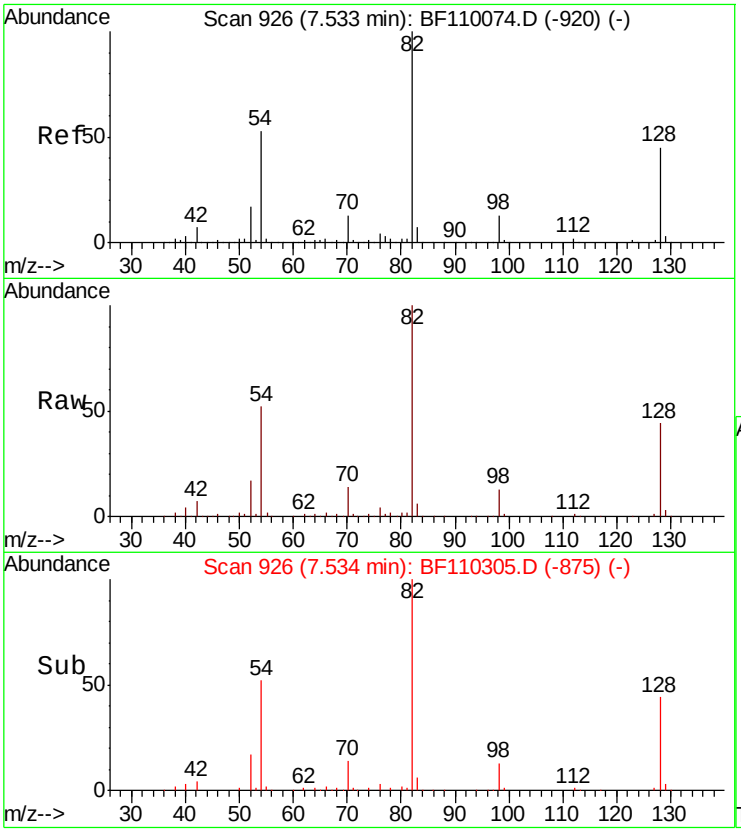


#22
Acetophenone
Concen: 33.121 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Tgt Ion:105 Resp: 308600

Ion	Ratio	Lower	Upper
105	100		
71	5.2	5.2	7.8#
51	26.9	21.8	32.8
120	21.6	17.0	25.4



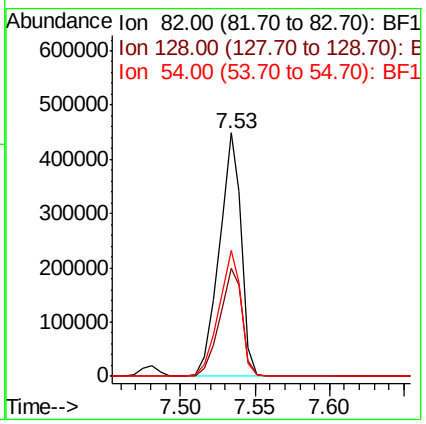


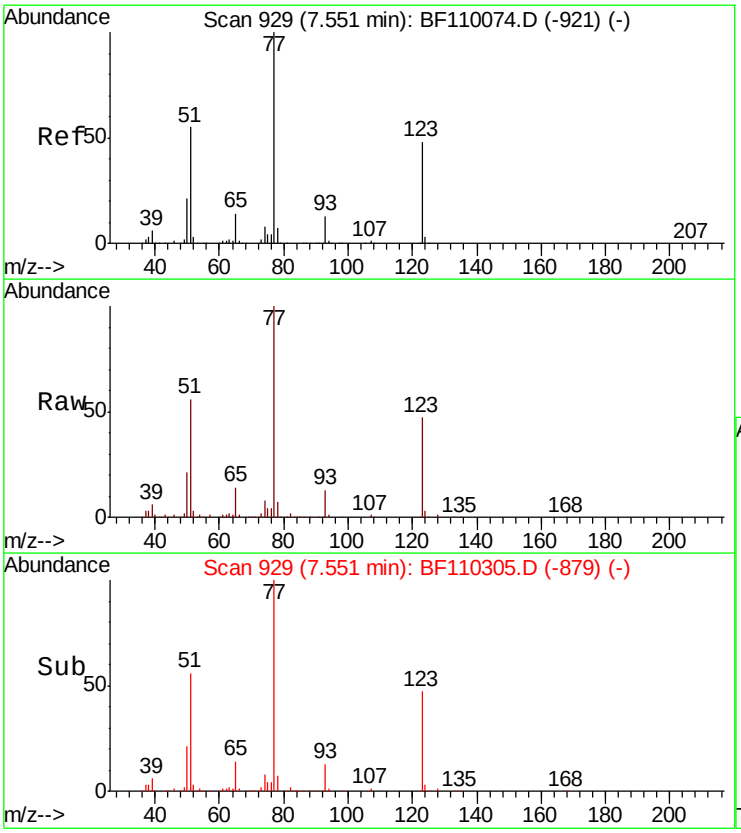
#23
Nitrobenzene-d5
Concen: 68.359 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMSD

Tgt Ion: 82 Resp: 466030

Ion	Ratio	Lower	Upper
82	100		
128	44.4	34.2	51.2
54	51.8	38.6	58.0

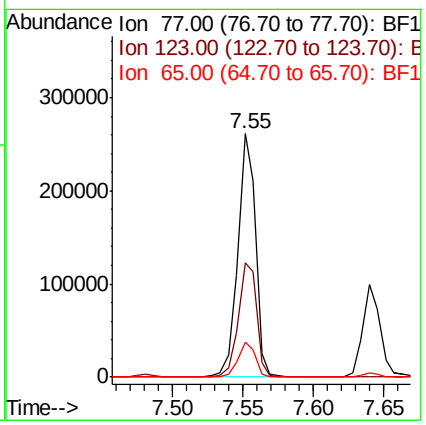


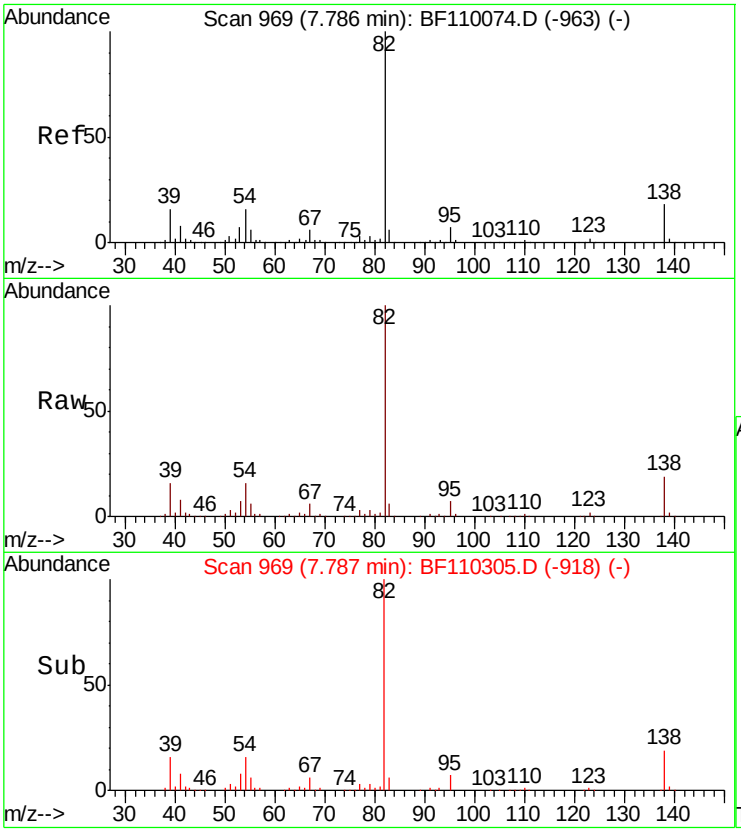


#24
Nitrobenzene
Concen: 32.085 ng
RT: 7.55 min Scan# 929
Delta R.T. -0.01 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Tgt Ion: 77 Resp: 225830

Ion	Ratio	Lower	Upper
77	100		
123	46.8	35.7	53.5
65	14.3	10.7	16.1



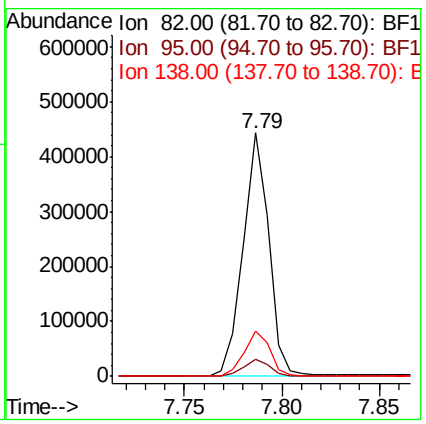


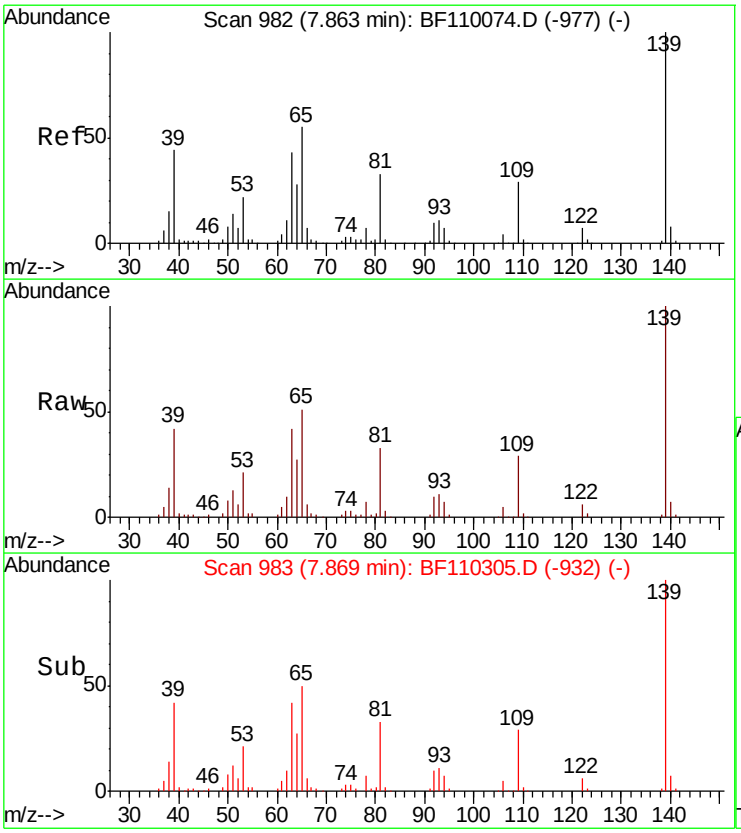
#25
Isophorone
Concen: 35.181 ng
RT: 7.79 min Scan# 969
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMSD

Tgt Ion: 82 Resp: 408839

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.7	8.5
138	18.6	13.2	19.8

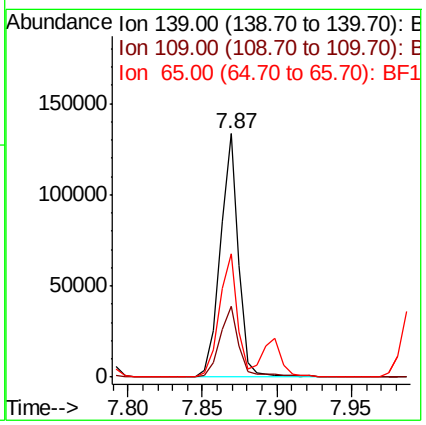


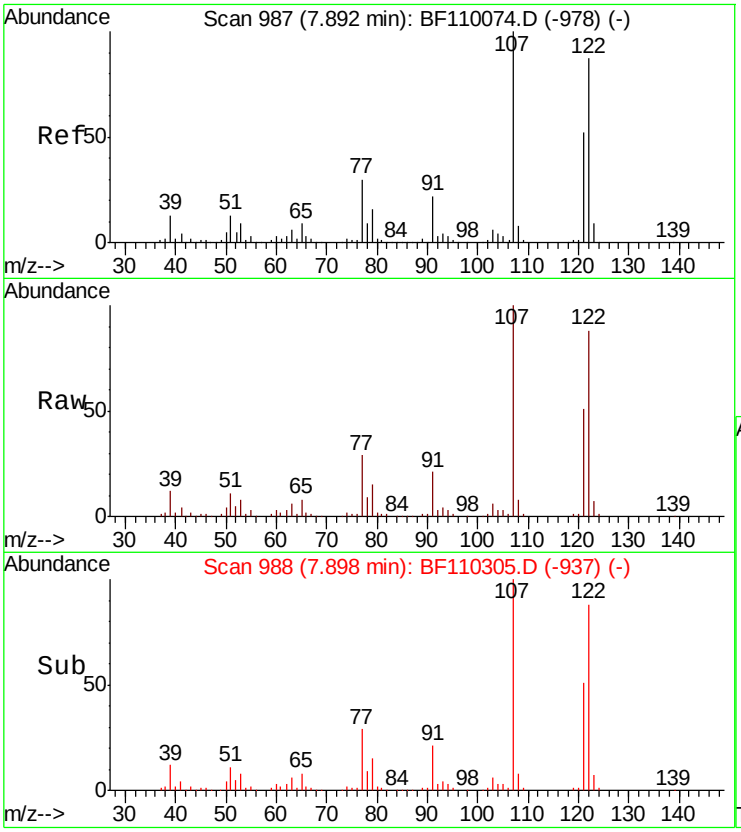


#26
2-Nitrophenol
Concen: 34.165 ng
RT: 7.87 min Scan# 983
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Tgt Ion:139 Resp: 114430

Ion	Ratio	Lower	Upper
139	100		
109	29.3	25.0	37.6
65	50.9	44.0	66.0



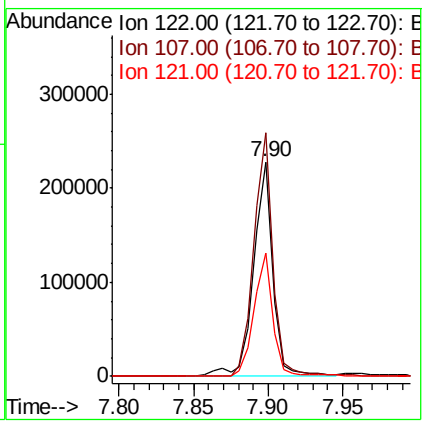


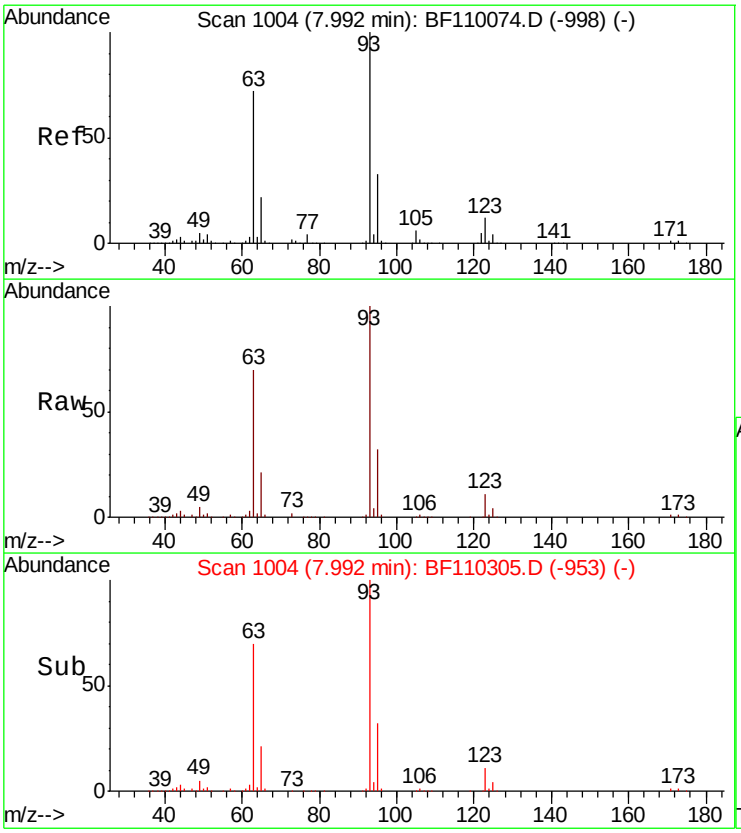
#27
2,4-Dimethylphenol
Concen: 36.542 ng
RT: 7.90 min Scan# 988
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMSD

Tgt Ion:122 Resp: 202921

Ion	Ratio	Lower	Upper
122	100		
107	113.6	92.5	138.7
121	57.7	45.8	68.8

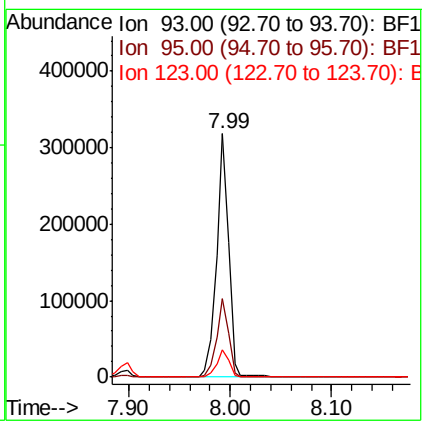


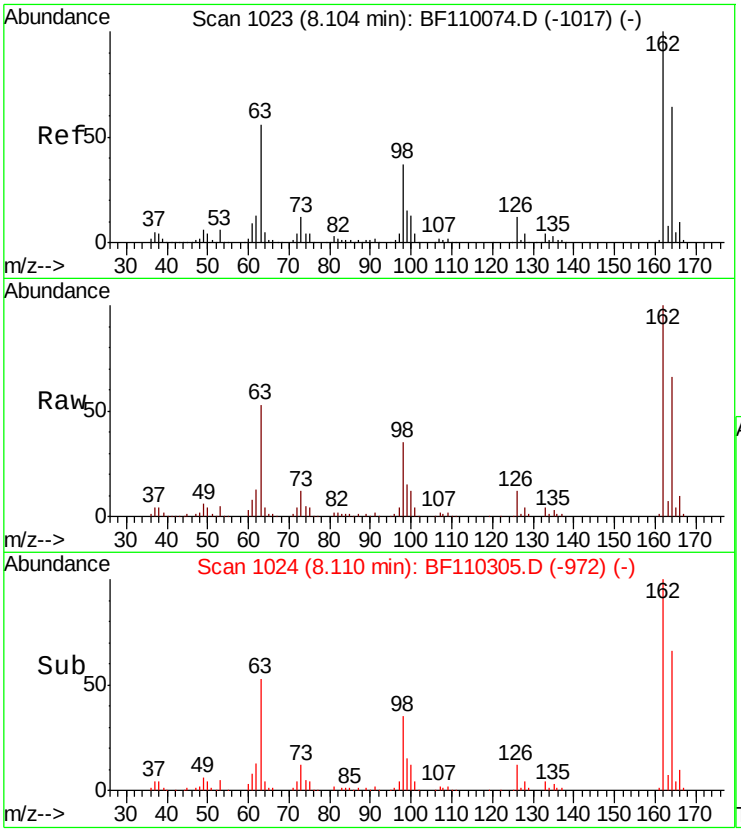


#28
bis(2-Chloroethoxy)methane
Concen: 33.356 ng
RT: 7.99 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Tgt Ion: 93 Resp: 263332

Ion	Ratio	Lower	Upper
93	100		
95	32.0	26.4	39.6
123	11.1	9.0	13.6



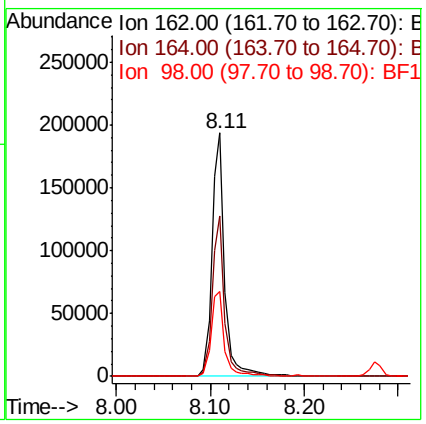


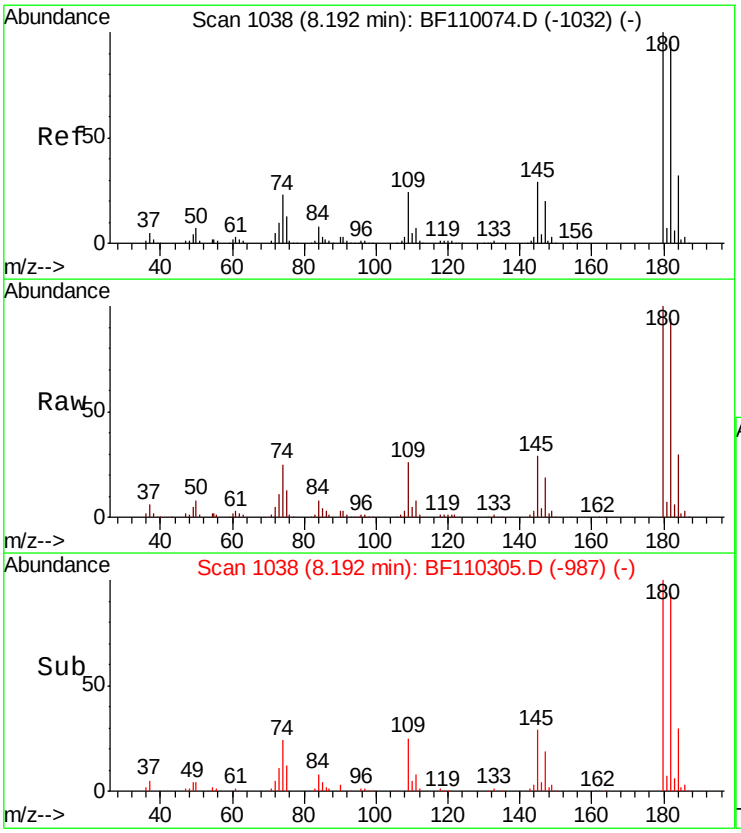
#29
2,4-Dichlorophenol
Concen: 33.229 ng
RT: 8.11 min Scan# 1024
Delta R.T. 0.01 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMSD

Tgt Ion:162 Resp: 186422

Ion	Ratio	Lower	Upper
162	100		
164	65.7	44.6	84.6
98	34.8	17.4	57.4

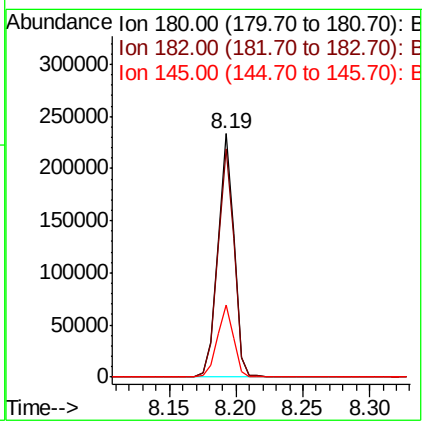


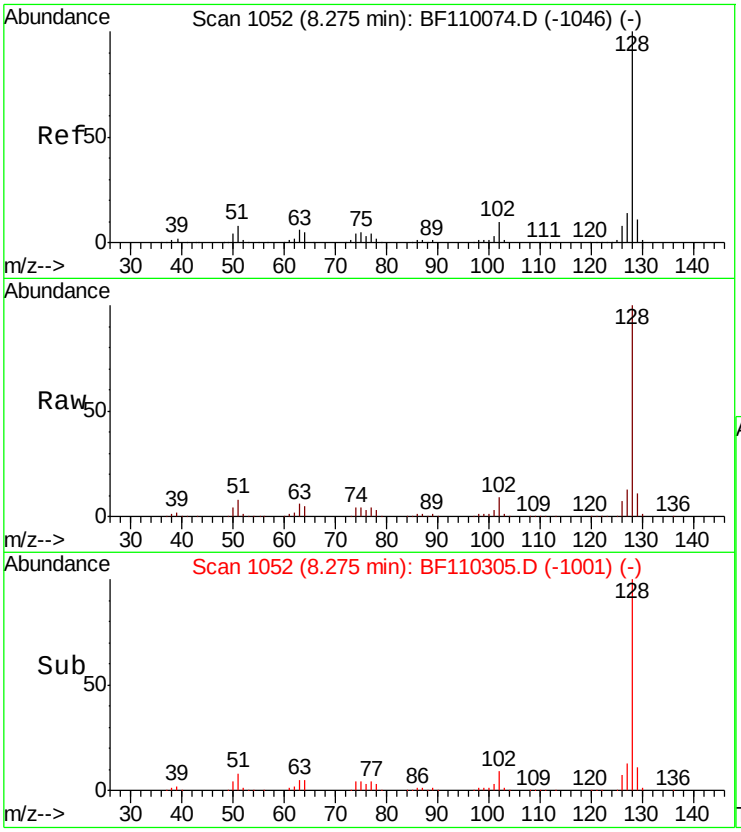


#30
1,2,4-Trichlorobenzene
Concen: 31.896 ng
RT: 8.19 min Scan# 1038
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Tgt Ion:180 Resp: 200439

Ion	Ratio	Lower	Upper
180	100		
182	93.7	80.3	120.5
145	29.4	25.4	38.0



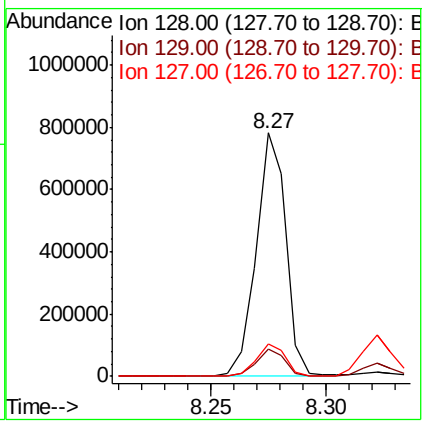


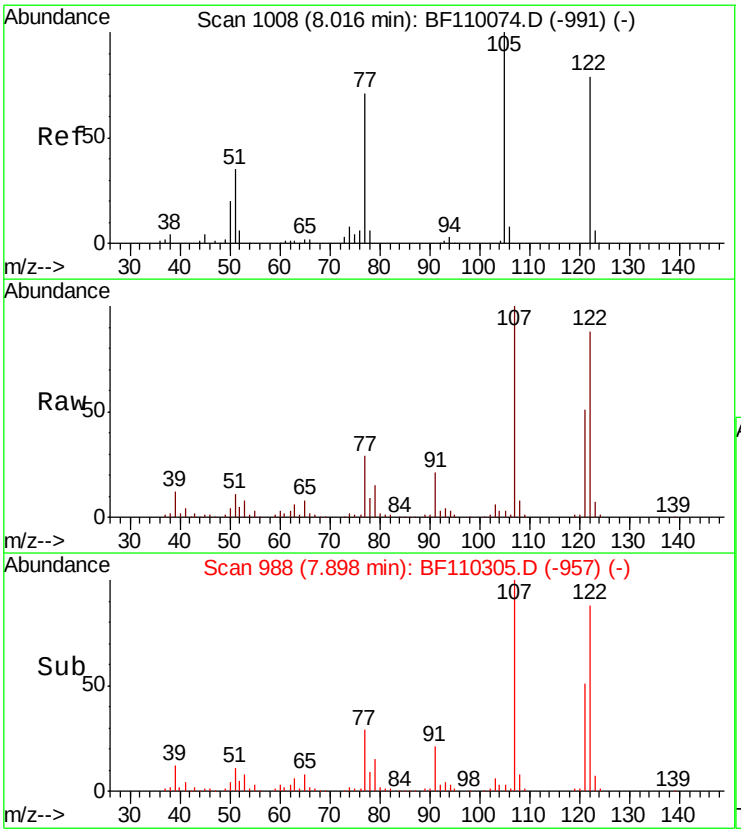
#31
Naphthalene
Concen: 37.566 ng
RT: 8.27 min Scan# 1052
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMSD

Tgt Ion:128 Resp: 700101

Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.8	13.2
127	13.1	10.8	16.2

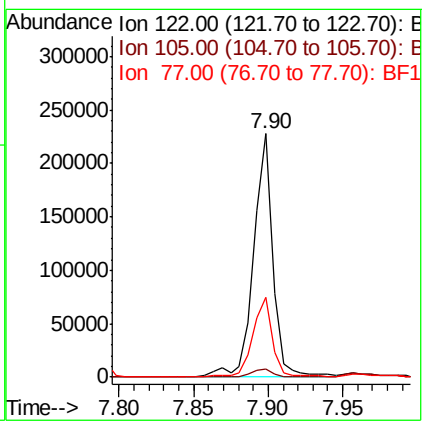


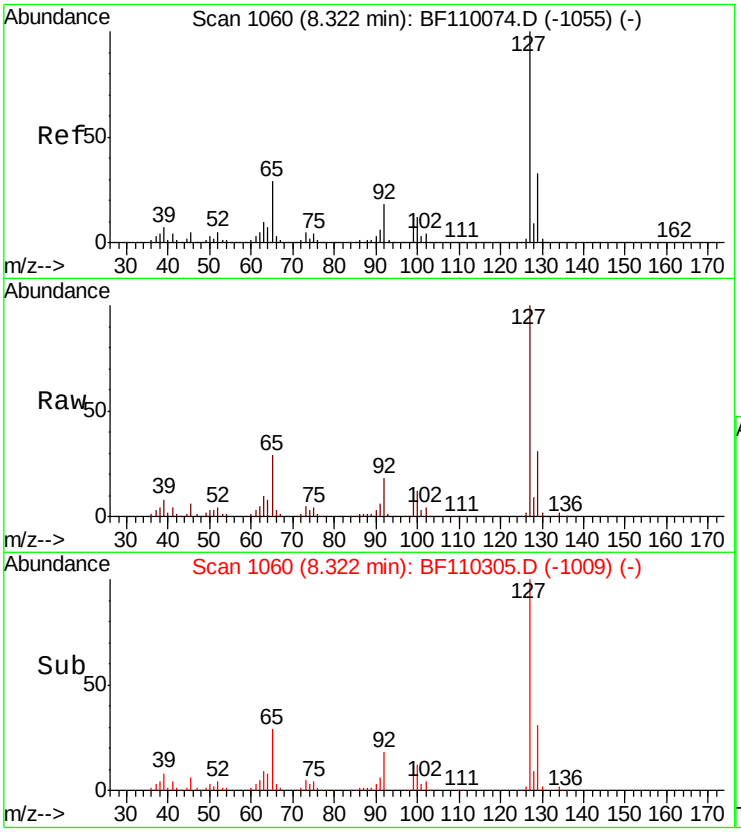


#32
Benzoic acid
Concen: 47.280 ng
RT: 7.90 min Scan# 988
Delta R.T. -0.12 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Tgt Ion:122 Resp: 202921

Ion	Ratio	Lower	Upper
122	100		
105	3.5	109.0	149.0#
77	33.0	79.0	119.0#



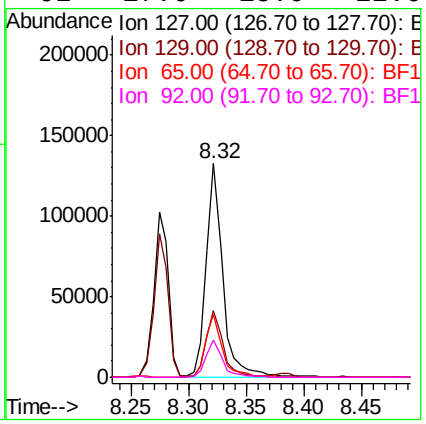


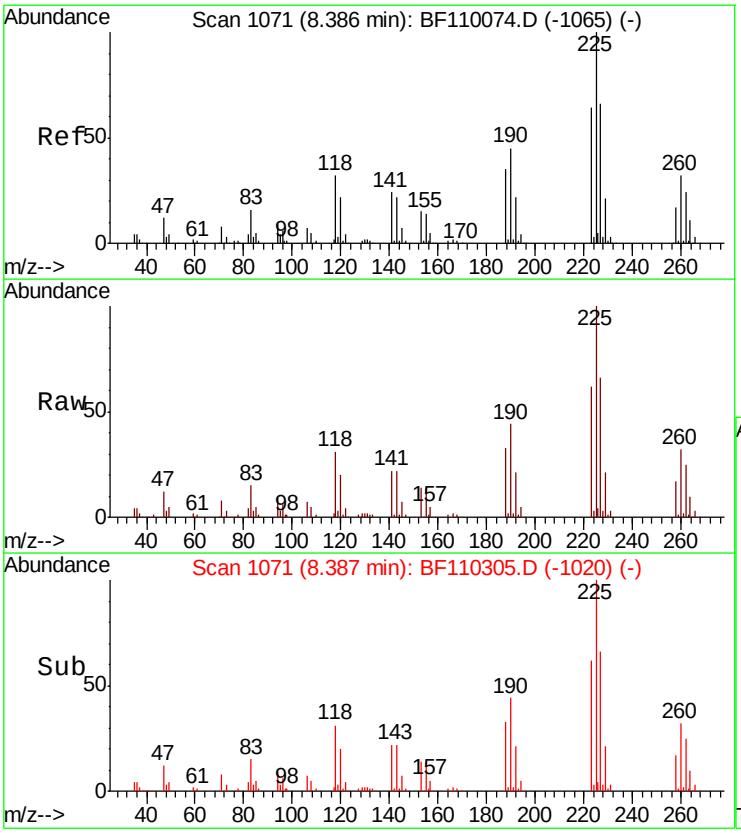
#33
4-Chloroaniline
Concen: 15.965 ng
RT: 8.32 min Scan# 1060
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMSD

Tgt Ion:127 Resp: 133910

Ion	Ratio	Lower	Upper
127	100		
129	31.5	26.0	39.0
65	29.3	25.1	37.7
92	17.6	15.0	22.6

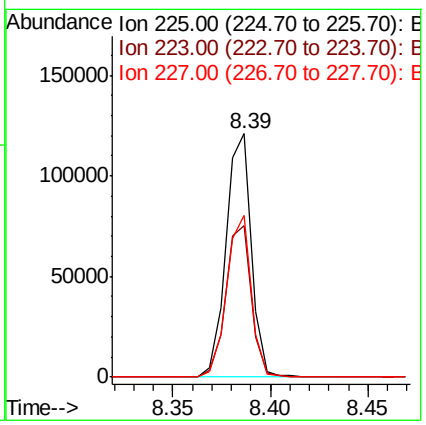


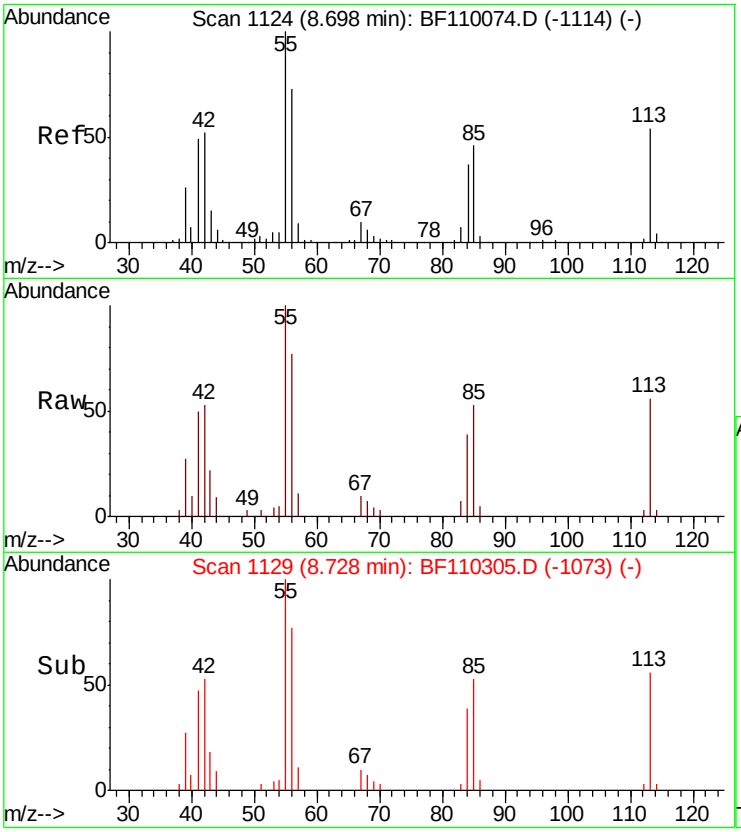


#34
Hexachlorobutadiene
Concen: 30.975 ng
RT: 8.39 min Scan# 1071
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Tgt Ion:225 Resp: 108077

Ion	Ratio	Lower	Upper
225	100		
223	62.1	51.4	77.2
227	66.4	51.0	76.6



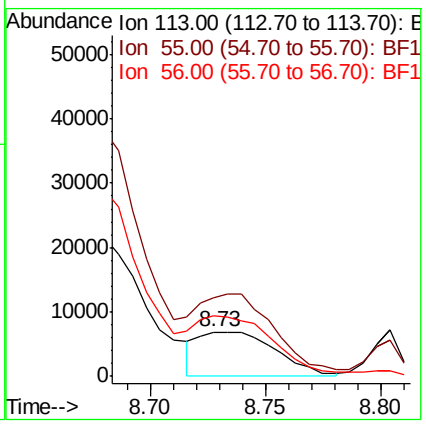


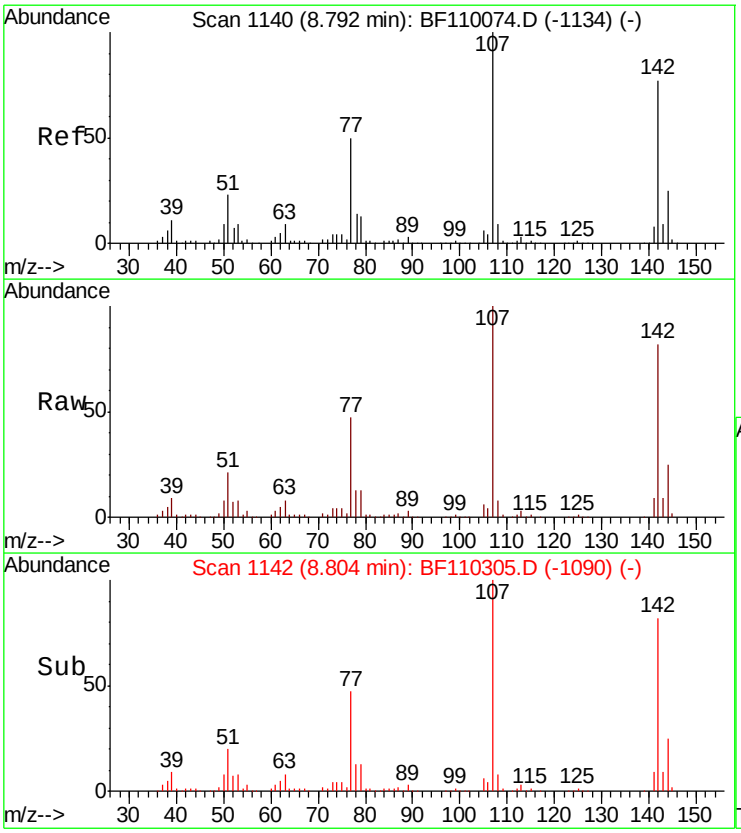
#35
Caprolactam
Concen: 8.236 ng
RT: 8.73 min Scan# 1129
Delta R.T. 0.03 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMSD

Tgt Ion:113 Resp: 16105

Ion	Ratio	Lower	Upper
113	100		
55	177.5	142.8	182.8
56	136.1	105.0	145.0

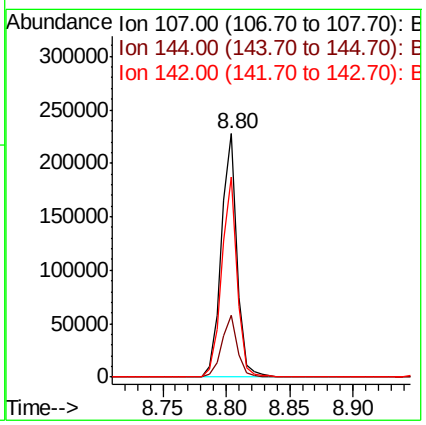


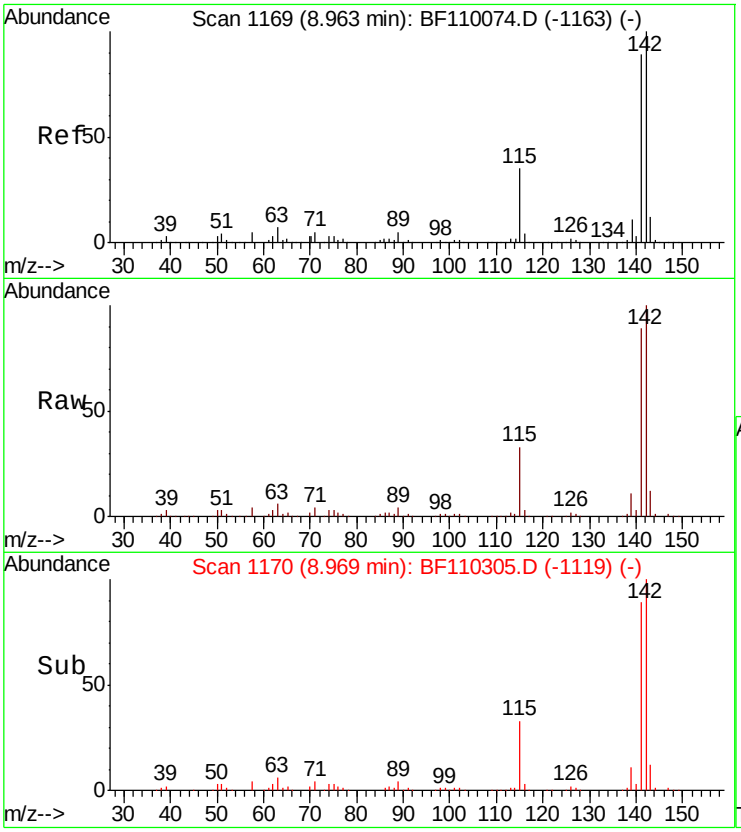


#36
4-Chloro-3-methylphenol
Concen: 32.649 ng
RT: 8.80 min Scan# 1142
Delta R.T. 0.01 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Tgt Ion:107 Resp: 198071

Ion	Ratio	Lower	Upper
107	100		
144	25.4	20.0	30.0
142	82.0	59.7	89.5



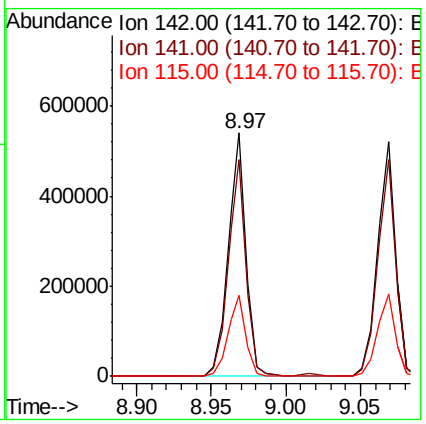


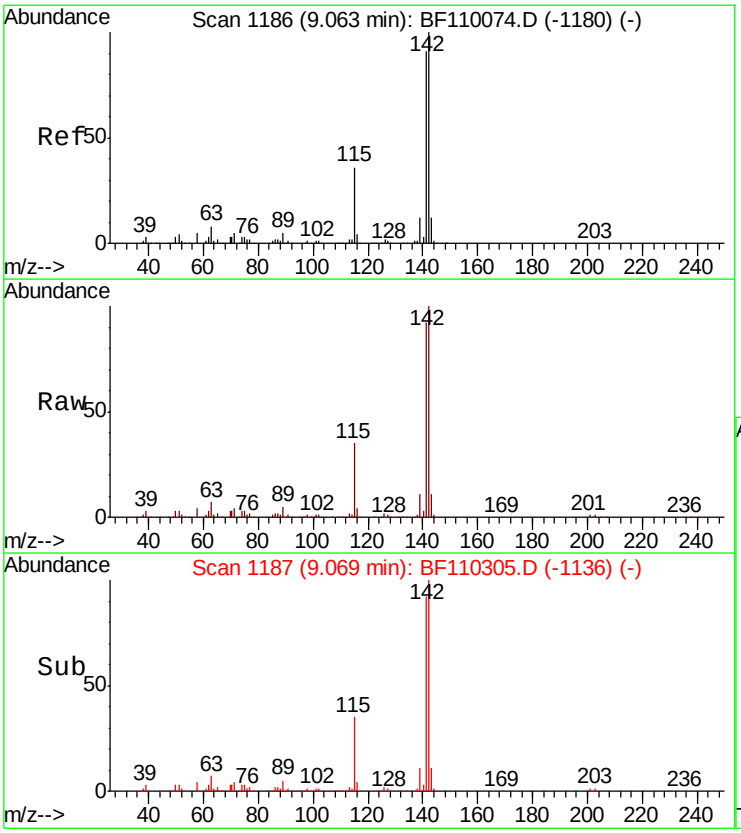
#37
2-Methylnaphthalene
Concen: 36.888 ng
RT: 8.97 min Scan# 1170
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMSD

Tgt Ion:142 Resp: 454849

Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.4	107.2
115	33.1	28.7	43.1

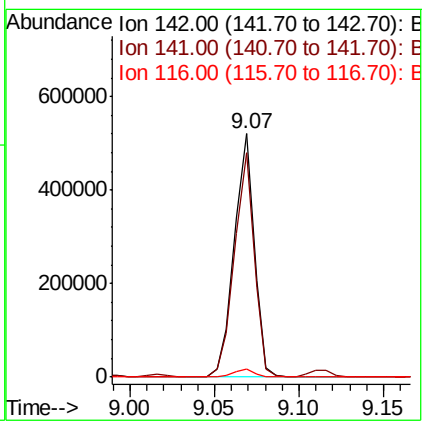


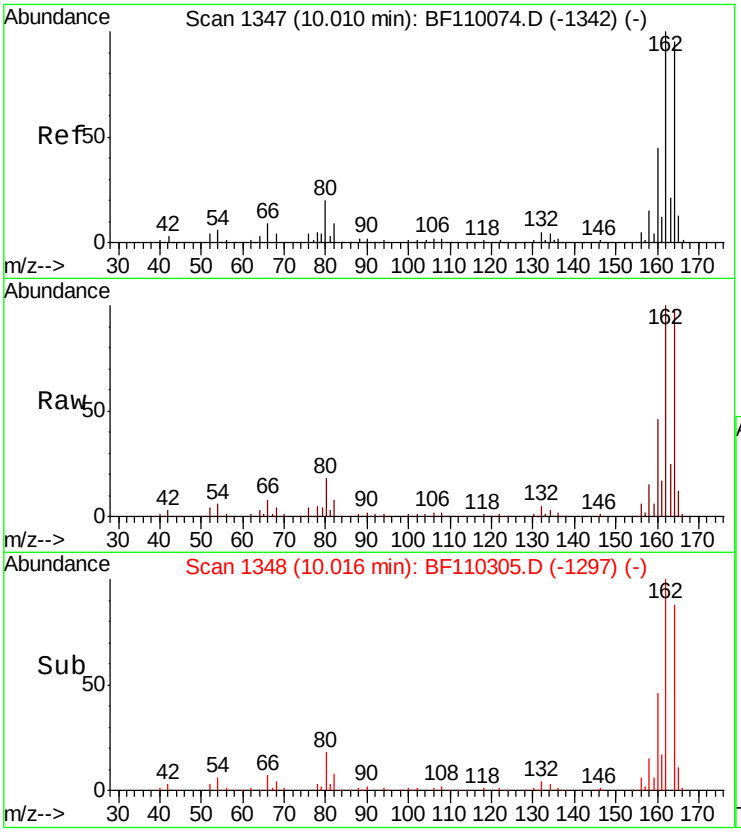


#38
1-Methylnaphthalene
Concen: 35.893 ng
RT: 9.07 min Scan# 1187
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Tgt Ion:142 Resp: 427698

Ion	Ratio	Lower	Upper
142	100		
141	92.2	74.2	111.4
116	3.6	2.6	4.0



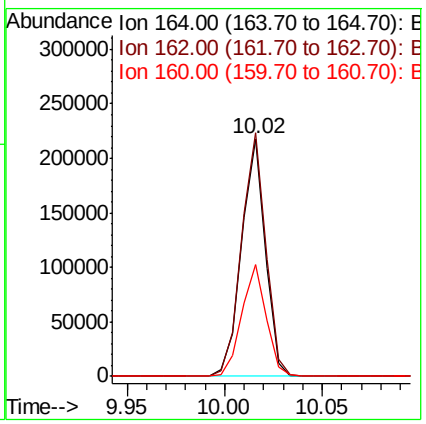


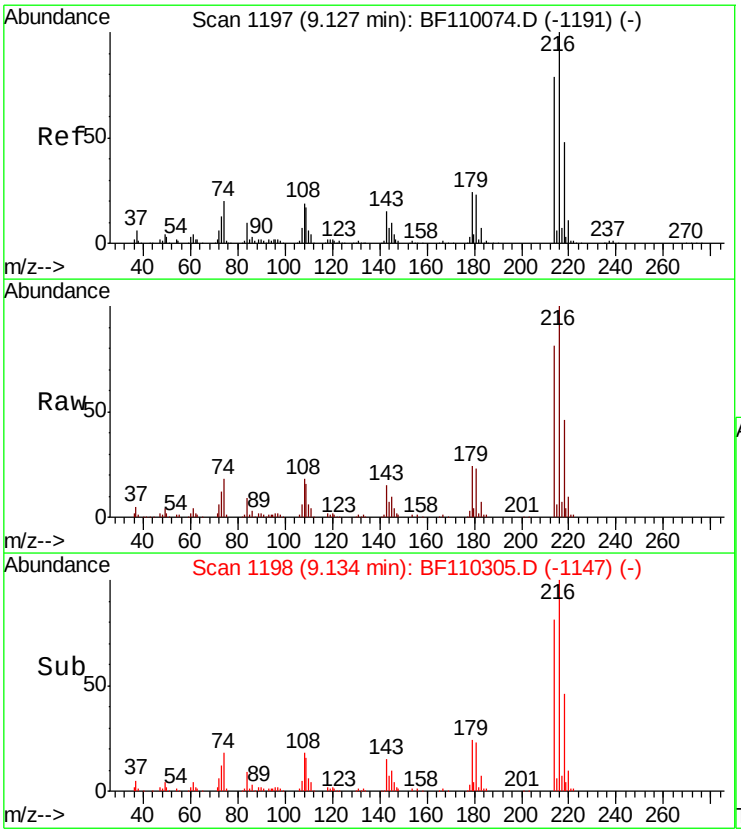
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMSD

Tgt Ion:164 Resp: 184698

Ion	Ratio	Lower	Upper
164	100		
162	102.5	83.0	124.6
160	46.9	37.0	55.6

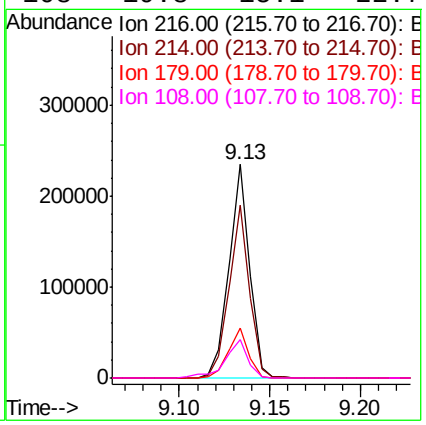


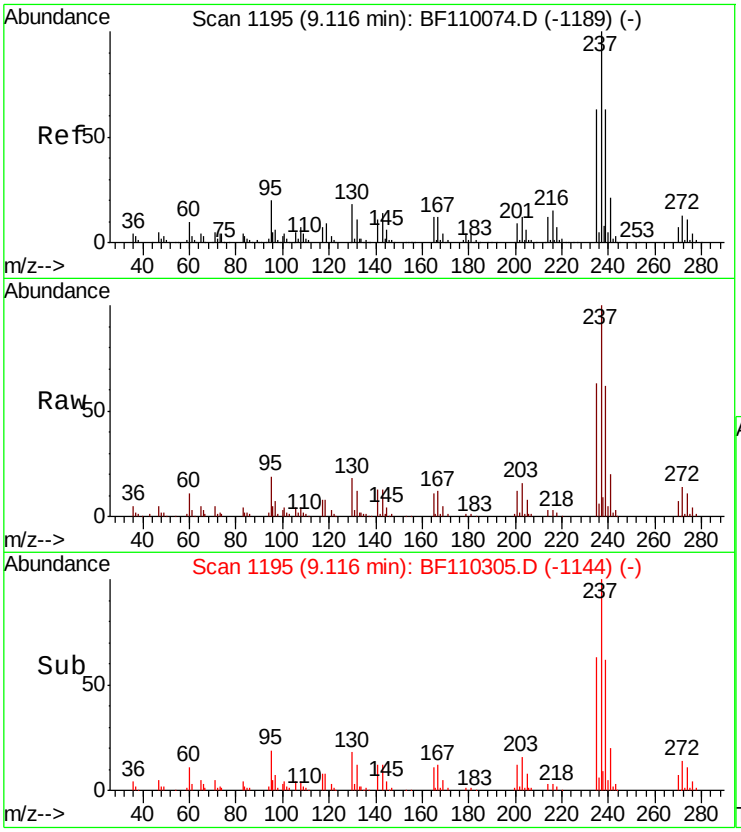


#40
1,2,4,5-Tetrachlorobenzene
Concen: 32.281 ng
RT: 9.13 min Scan# 1198
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Tgt Ion:216 Resp: 185772

Ion	Ratio	Lower	Upper
216	100		
214	80.6	63.8	95.6
179	23.1	16.6	25.0
108	19.8	15.1	22.7



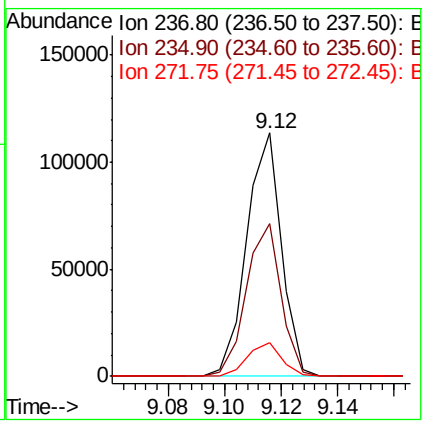


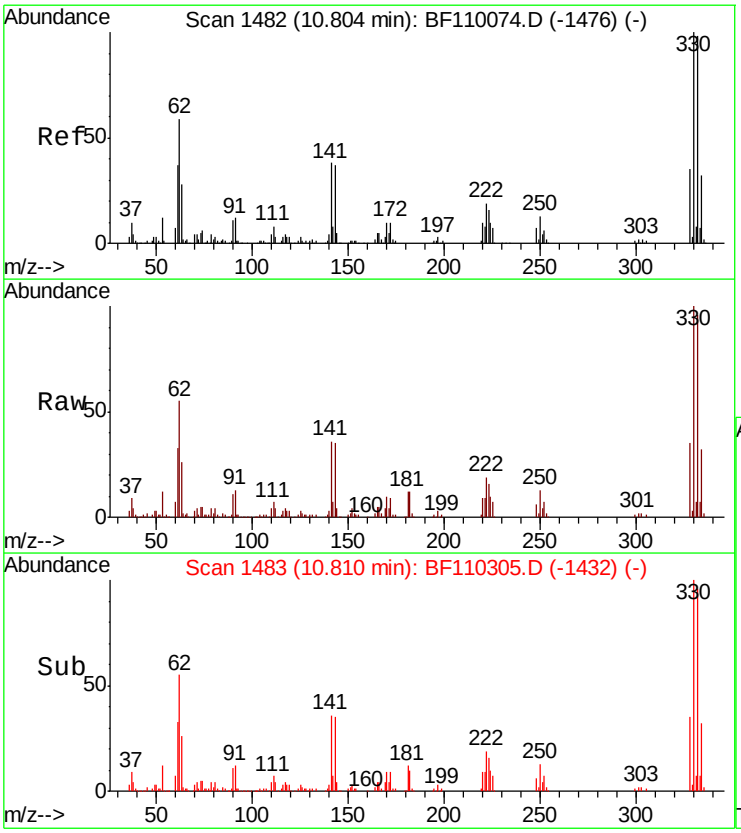
#41
Hexachlorocyclopentadiene
Concen: 32.889 ng
RT: 9.12 min Scan# 1195
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMSD

Tgt Ion:237 Resp: 96781

Ion	Ratio	Lower	Upper
237	100		
235	63.0	43.1	83.1
272	13.7	0.0	32.6

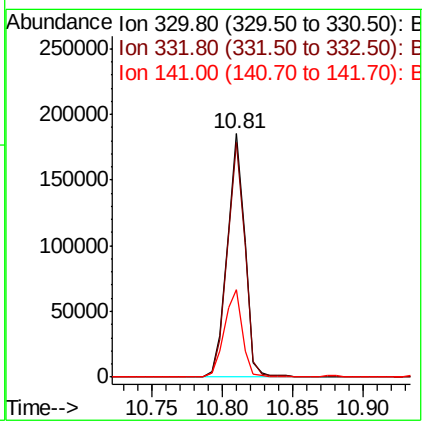


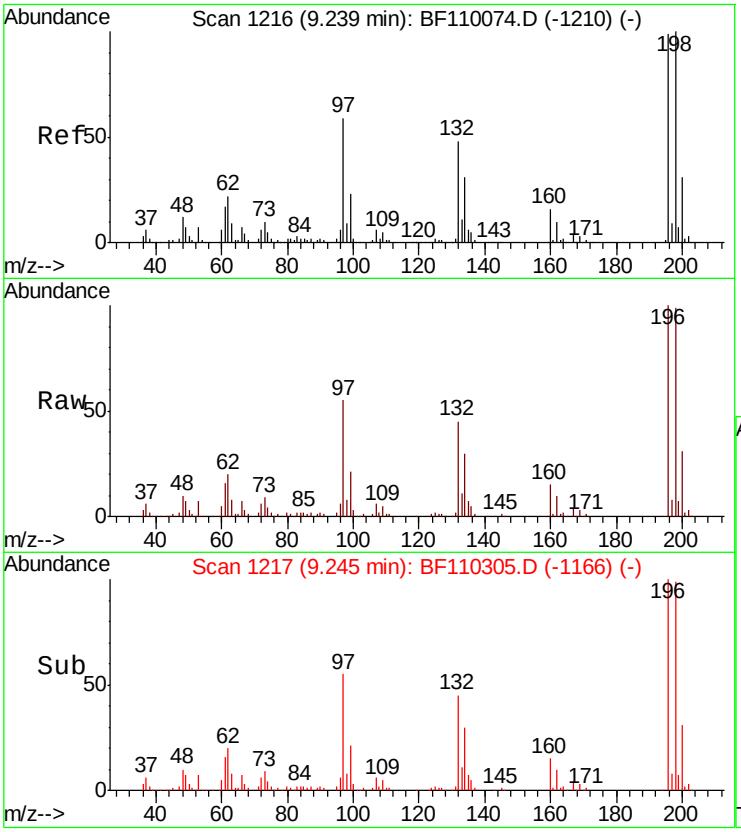


#42
2,4,6-Tribromophenol
Concen: 87.534 ng
RT: 10.81 min Scan# 1483
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Tgt Ion:330 Resp: 160149

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.1	115.7
141	37.5	27.0	40.4



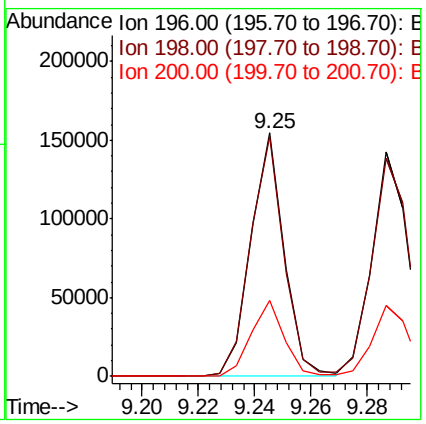


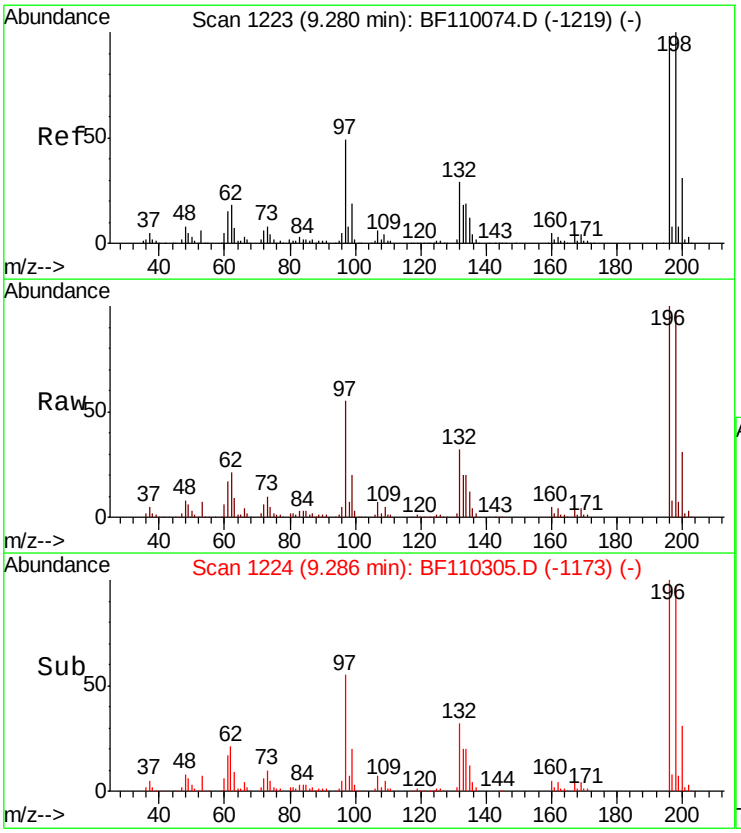
#43
2,4,6-Trichlorophenol
Concen: 34.282 ng
RT: 9.25 min Scan# 1217
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMSD

Tgt Ion:196 Resp: 127247

Ion	Ratio	Lower	Upper
196	100		
198	98.7	76.2	114.4
200	31.0	24.4	36.6

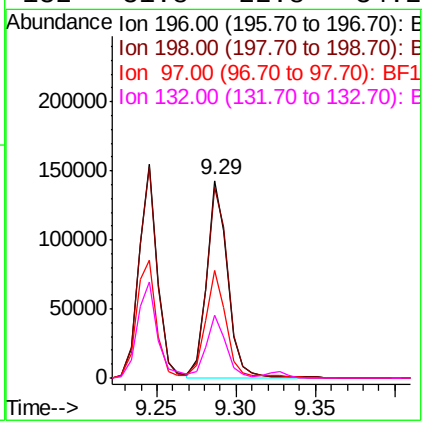


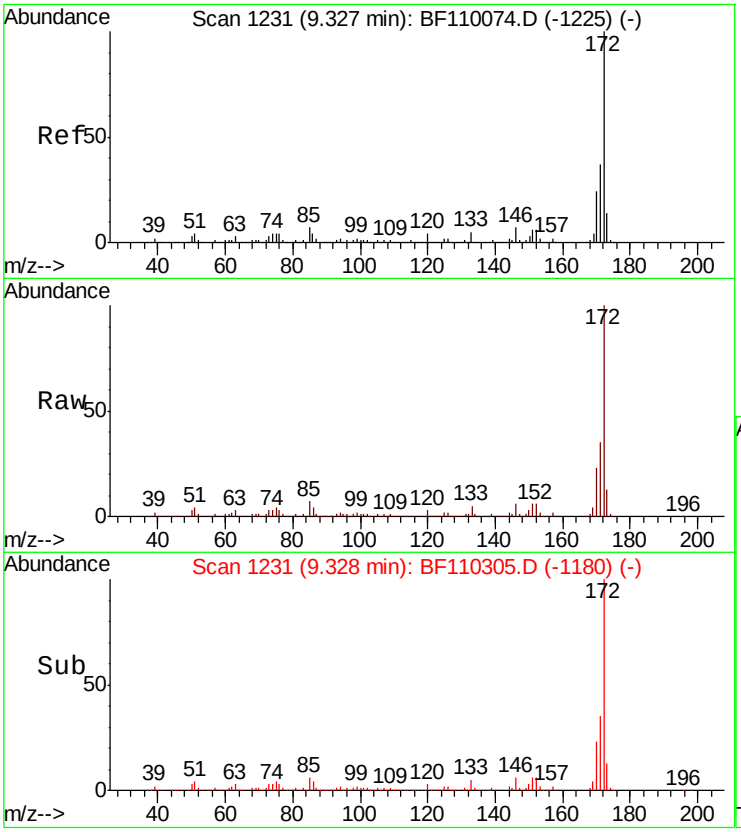


#44
2,4,5-Trichlorophenol
Concen: 33.867 ng
RT: 9.29 min Scan# 1224
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Tgt Ion:196 Resp: 132877

Ion	Ratio	Lower	Upper
196	100		
198	96.8	75.8	113.6
97	54.5	42.4	63.6
132	31.8	22.8	34.2



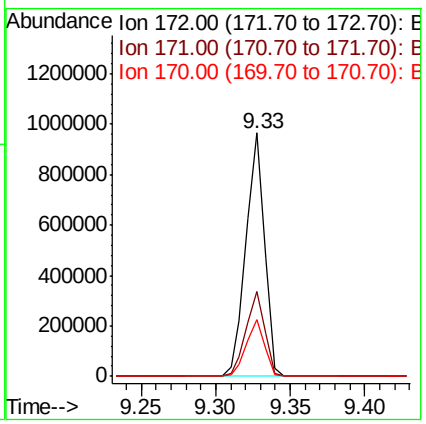


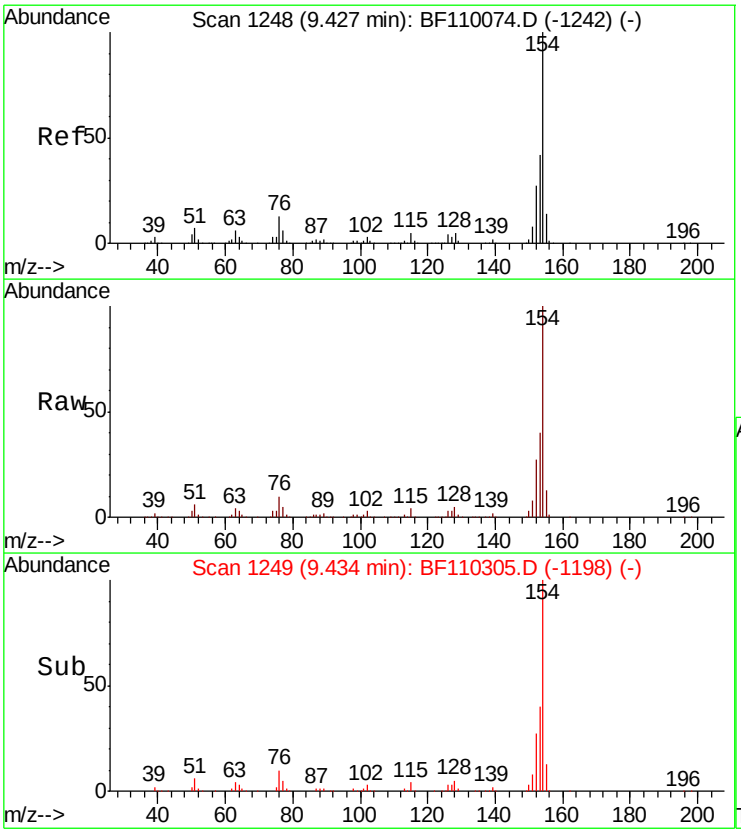
#45
2-Fluorobiphenyl
Concen: 70.948 ng
RT: 9.33 min Scan# 1231
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMSD

Tgt Ion:172 Resp: 834511

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.6	43.0
170	23.3	19.7	29.5

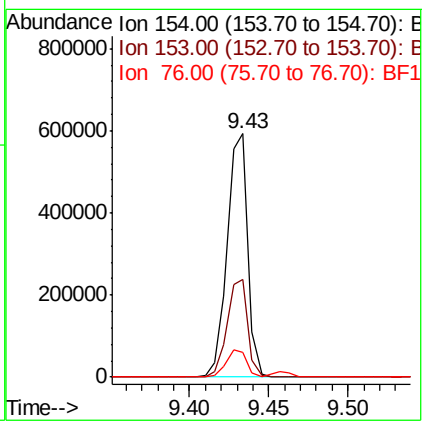


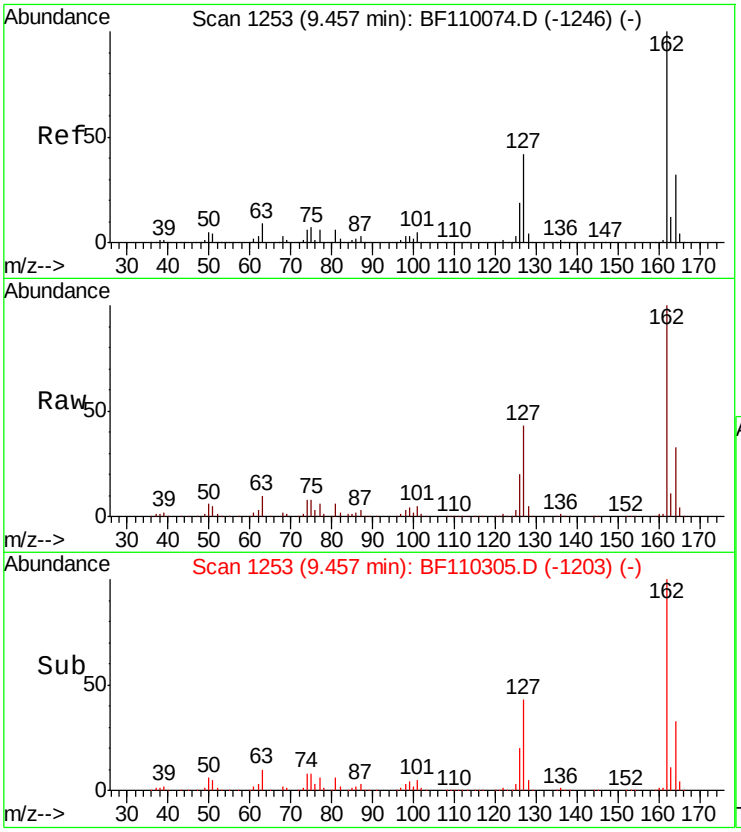


#46
1,1'-Biphenyl
Concen: 31.896 ng
RT: 9.43 min Scan# 1249
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Tgt Ion:154 Resp: 532736

Ion	Ratio	Lower	Upper
154	100		
153	40.2	20.4	60.4
76	10.0	0.0	31.9



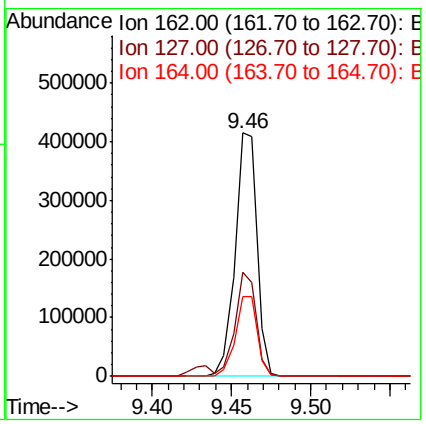


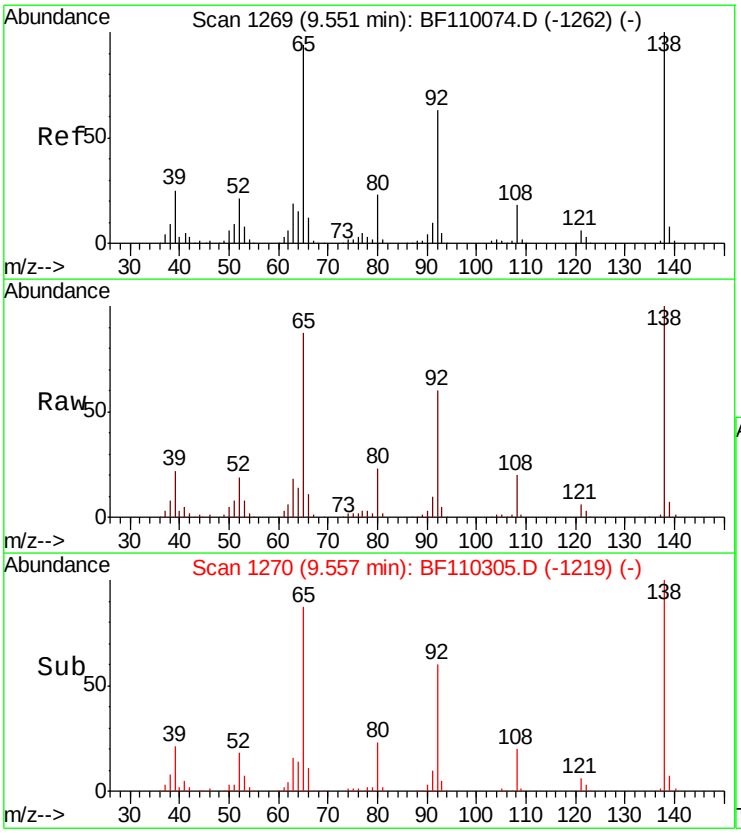
#47
2-Chloronaphthalene
Concen: 32.374 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.01 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMSD

Tgt Ion:162 Resp: 396630

Ion	Ratio	Lower	Upper
162	100		
127	42.9	32.6	48.8
164	32.8	25.9	38.9

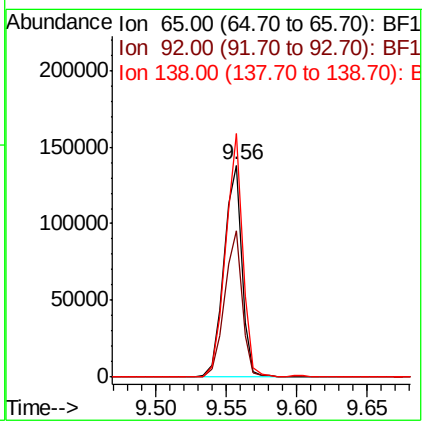


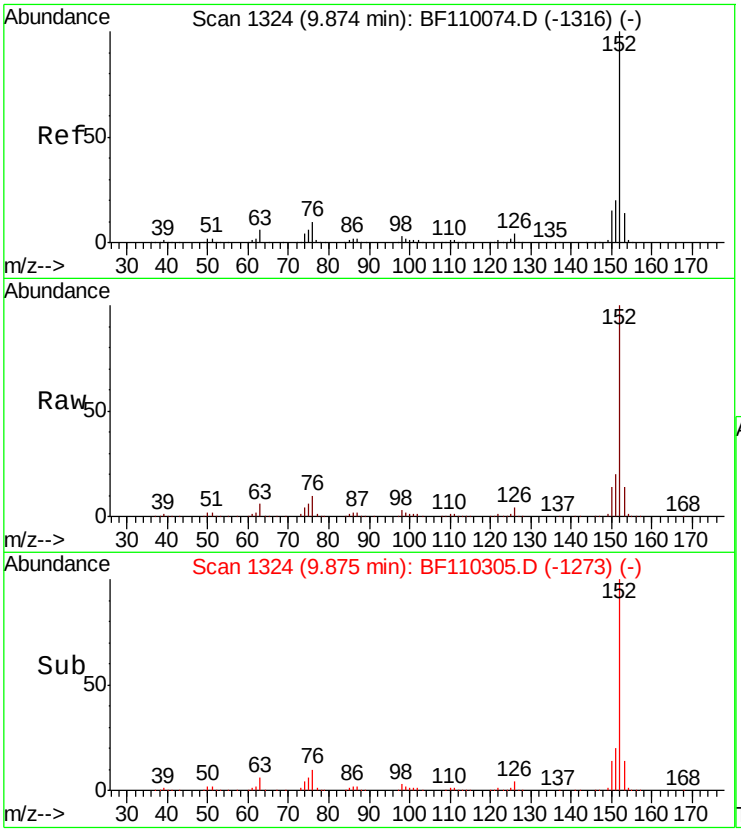


#48
2-Nitroaniline
Concen: 33.025 ng
RT: 9.56 min Scan# 1270
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Tgt Ion: 65 Resp: 122609

Ion	Ratio	Lower	Upper
65	100		
92	69.0	54.6	81.8
138	115.0	80.3	120.5



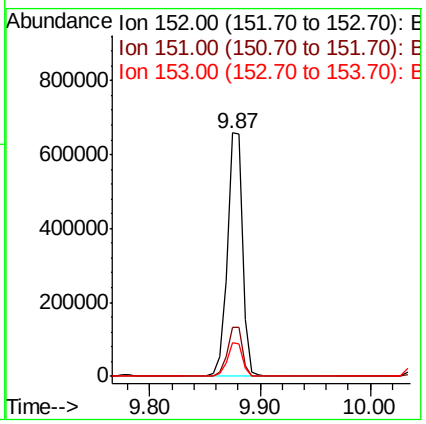


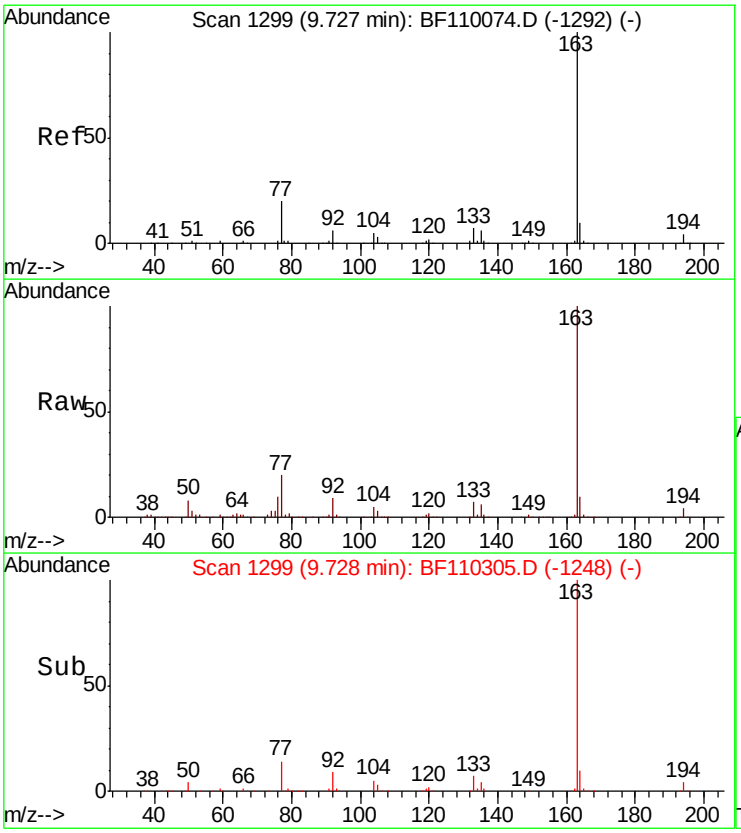
#49
Acenaphthylene
Concen: 36.153 ng
RT: 9.87 min Scan# 1324
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMSD

Tgt Ion:152 Resp: 639740

Ion	Ratio	Lower	Upper
152	100		
151	20.1	15.8	23.8
153	14.1	10.4	15.6

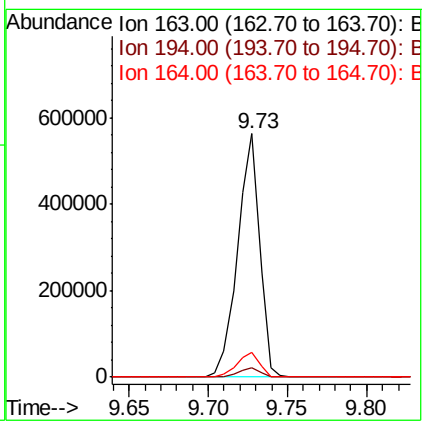


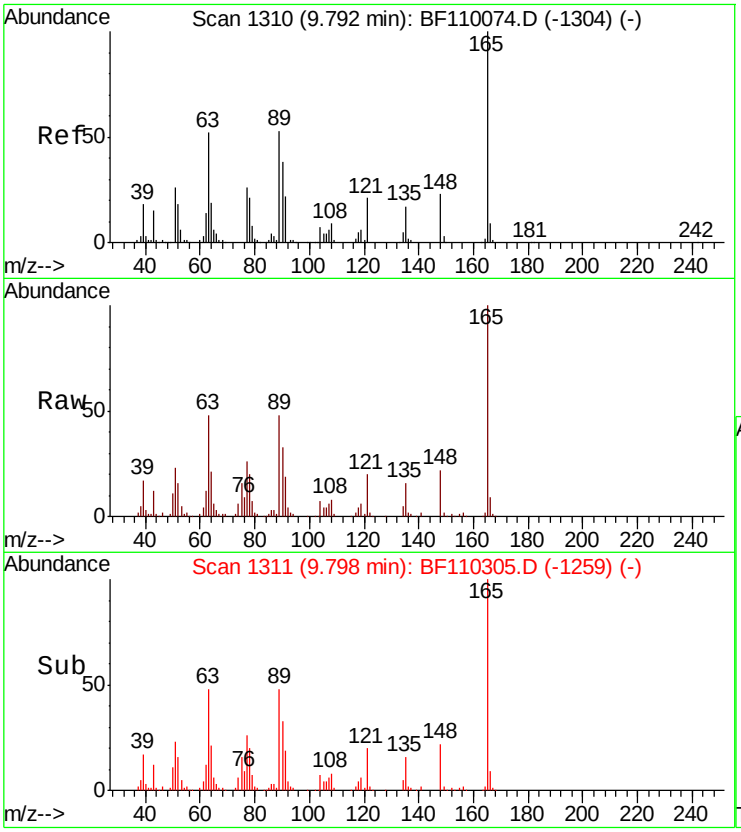


#50
Dimethylphthalate
Concen: 39.639 ng
RT: 9.73 min Scan# 1299
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Tgt Ion:163 Resp: 540433

Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.2	4.8
164	10.0	8.1	12.1



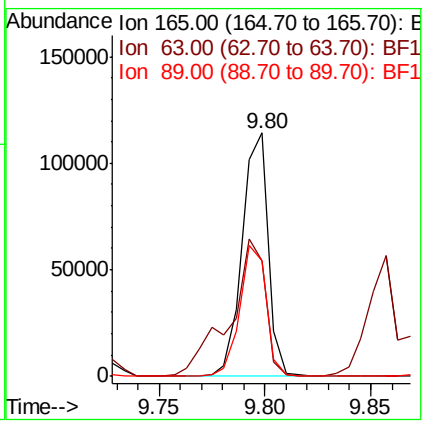


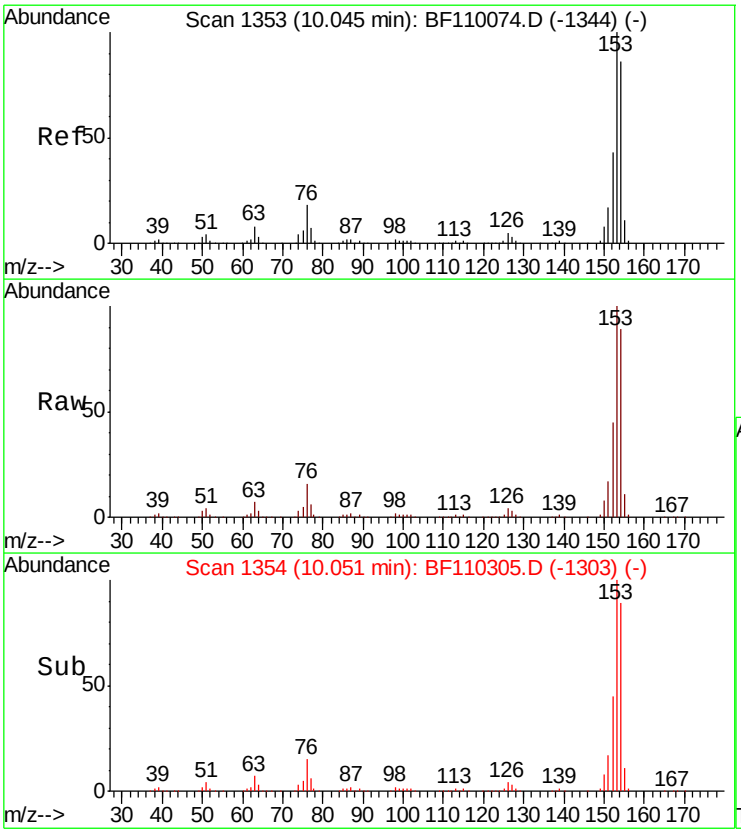
#51
2,6-Dinitrotoluene
Concen: 33.221 ng
RT: 9.80 min Scan# 1311
Delta R.T. 0.01 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMSD

Tgt Ion:165 Resp: 97565

Ion	Ratio	Lower	Upper
165	100		
63	47.6	48.9	73.3#
89	47.6	46.6	69.8

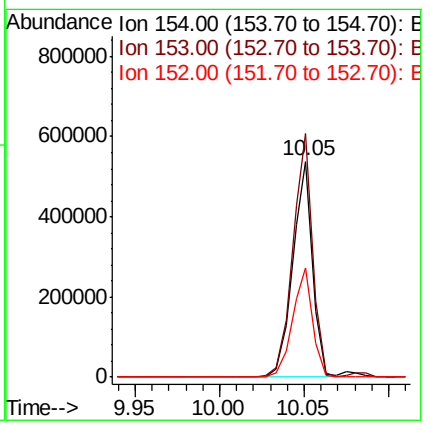


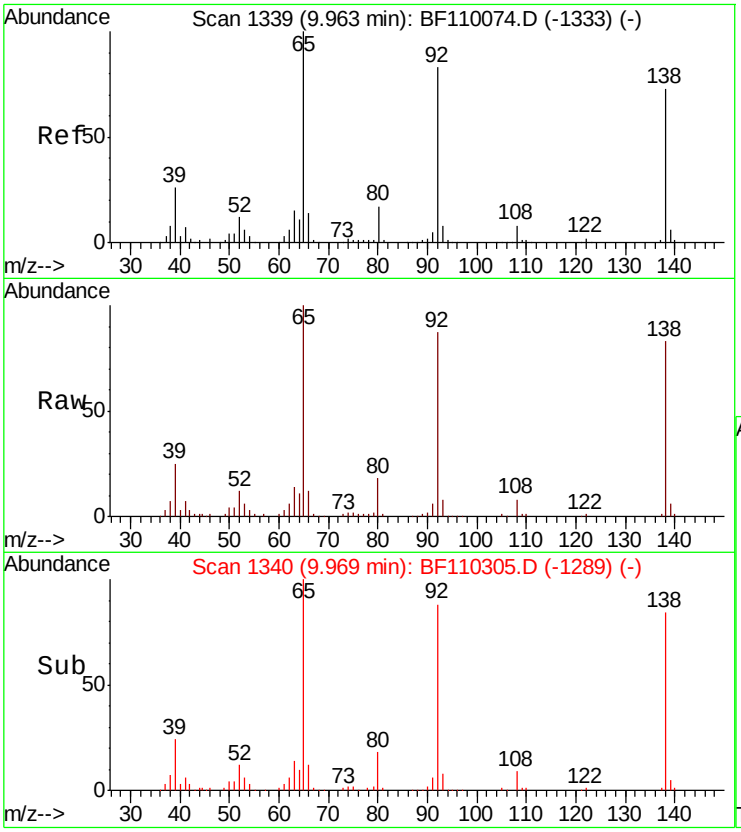


#52
Acenaphthene
Concen: 37.711 ng
RT: 10.05 min Scan# 1354
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Tgt Ion:154 Resp: 441465

Ion	Ratio	Lower	Upper
154	100		
153	113.0	90.1	135.1
152	50.6	43.4	65.2



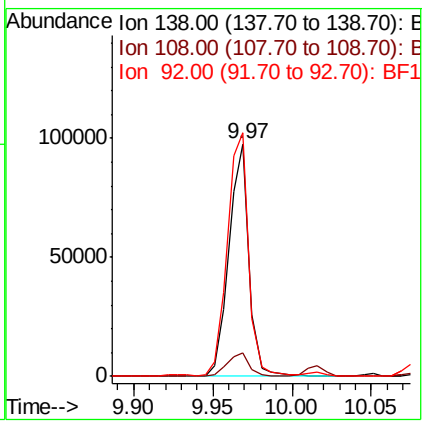


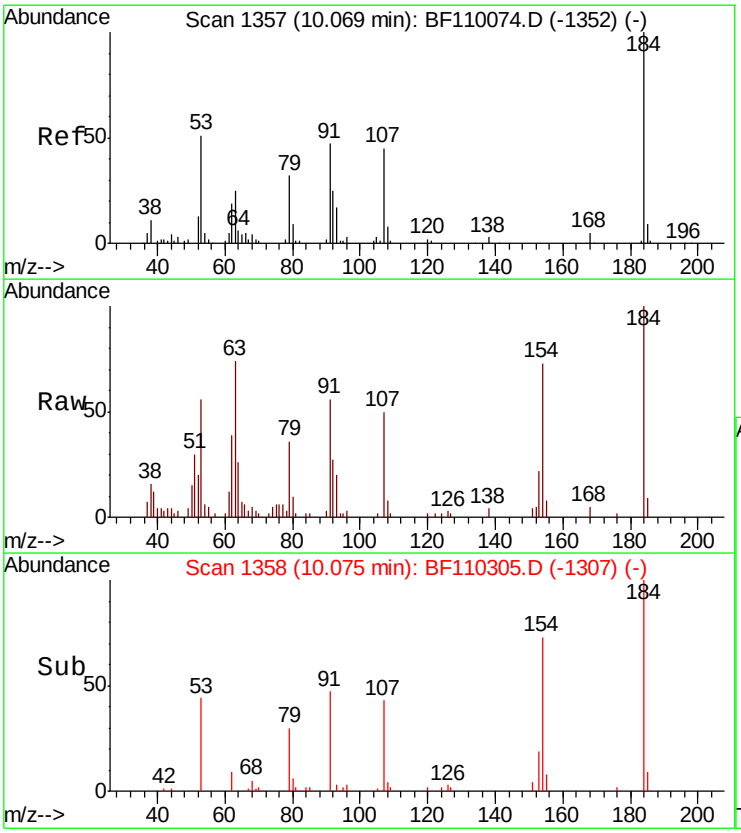
#53
3-Nitroaniline
Concen: 24.564 ng
RT: 9.97 min Scan# 1340
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMSD

Tgt Ion:138 Resp: 85789

Ion	Ratio	Lower	Upper
138	100		
108	10.2	8.7	13.1
92	104.8	97.0	145.4

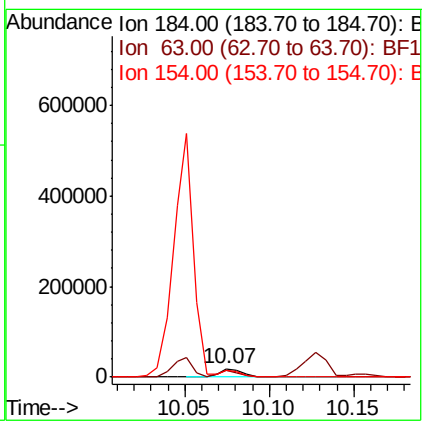


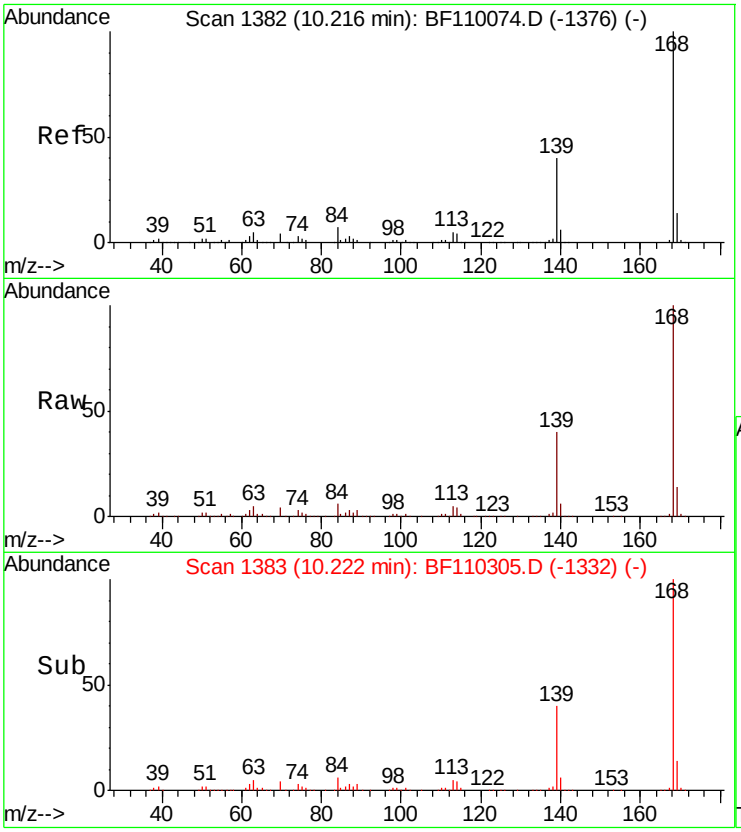


#54
2,4-Dinitrophenol
Concen: 20.375 ng
RT: 10.07 min Scan# 1358
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Tgt Ion:184 Resp: 18942

Ion	Ratio	Lower	Upper
184	100		
63	73.9	55.8	83.6
154	72.7	63.2	94.8



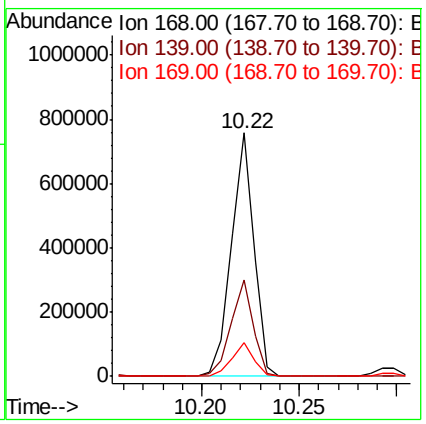


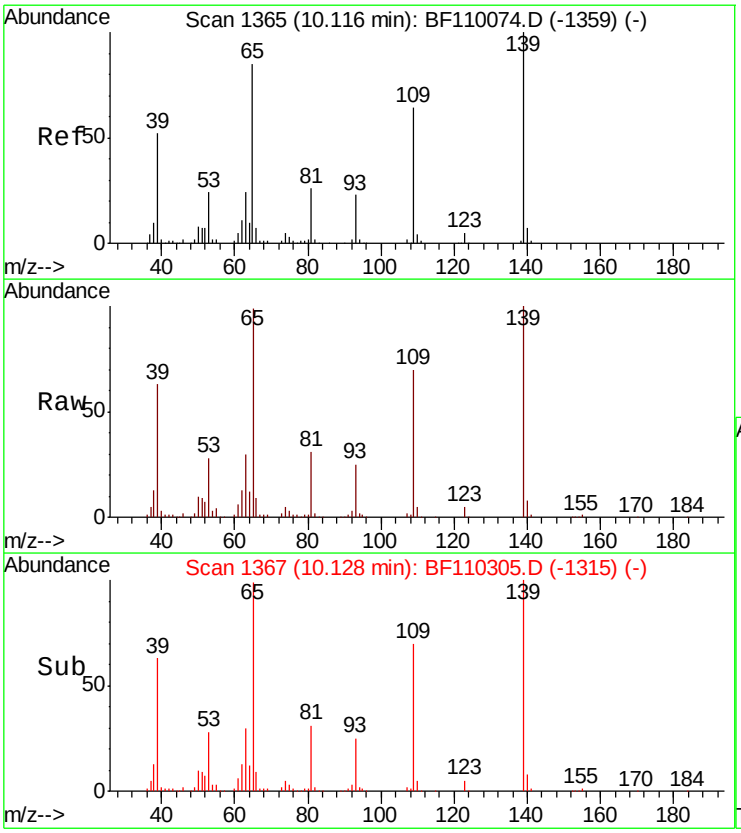
#55
Dibenzofuran
Concen: 36.921 ng
RT: 10.22 min Scan# 1383
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMSD

Tgt Ion:168 Resp: 605134

Ion	Ratio	Lower	Upper
168	100		
139	39.5	33.0	49.6
169	13.6	11.3	16.9

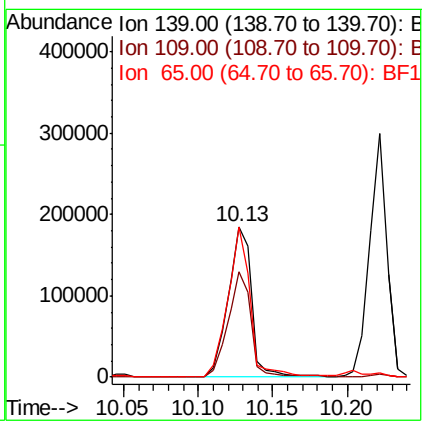


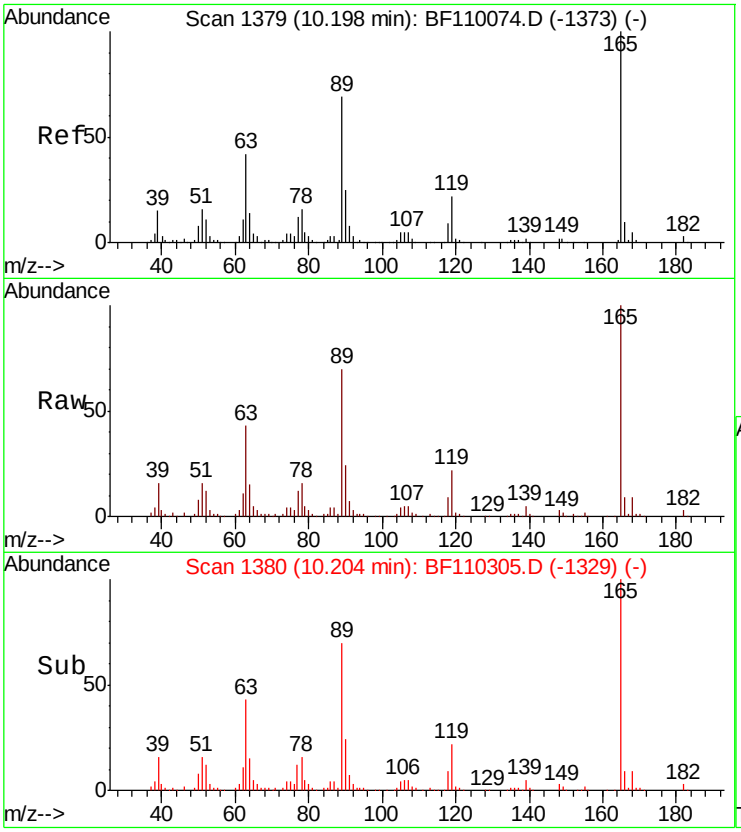


#56
4-Nitrophenol
Concen: 79.447 ng
RT: 10.13 min Scan# 1367
Delta R.T. 0.01 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Tgt Ion:139 Resp: 205354

Ion	Ratio	Lower	Upper
139	100		
109	70.3	55.8	95.8
65	99.2	77.9	117.9



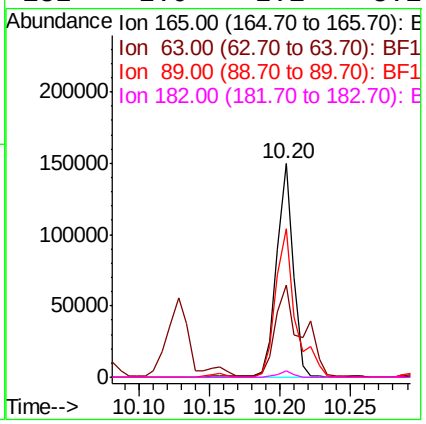


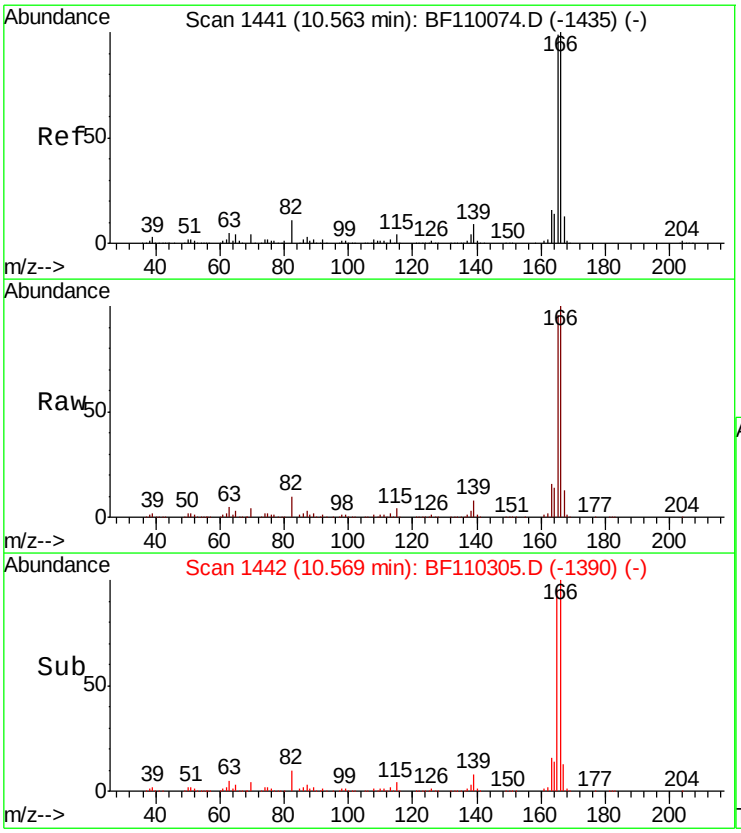
#57
2,4-Dinitrotoluene
Concen: 33.362 ng
RT: 10.20 min Scan# 1380
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMSD

Tgt Ion:165 Resp: 124449

Ion	Ratio	Lower	Upper
165	100		
63	43.3	44.8	67.2#
89	69.7	62.2	93.4
182	2.9	2.1	3.1

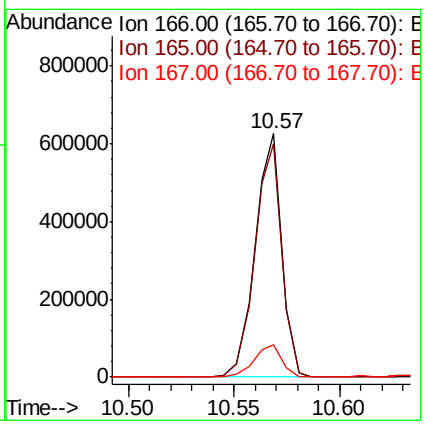


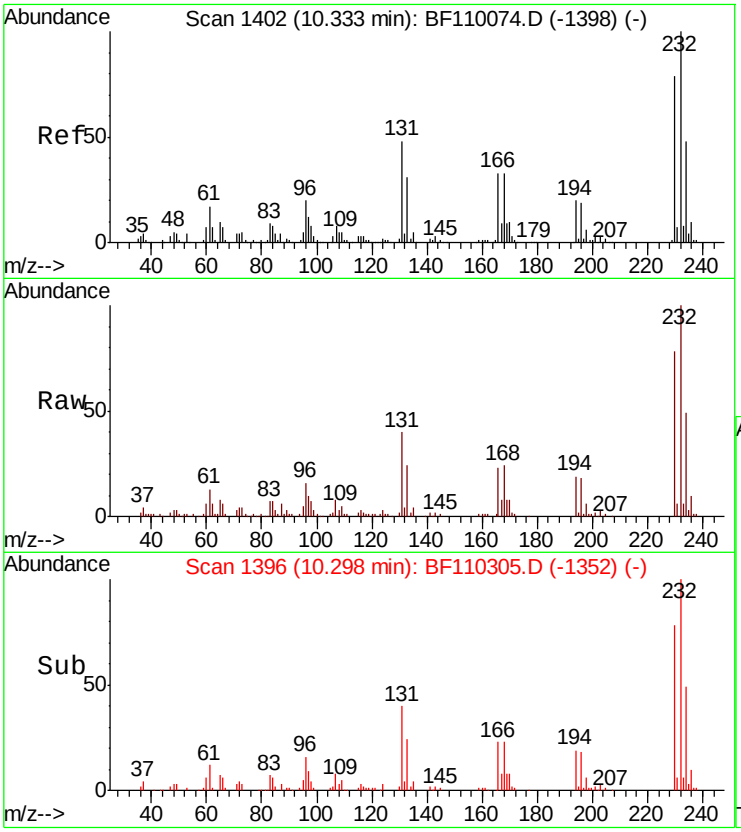


#58
Fluorene
Concen: 44.683 ng
RT: 10.57 min Scan# 1442
Delta R.T. 0.01 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Tgt Ion:166 Resp: 545052

Ion	Ratio	Lower	Upper
166	100		
165	95.7	78.6	117.8
167	13.2	10.8	16.2



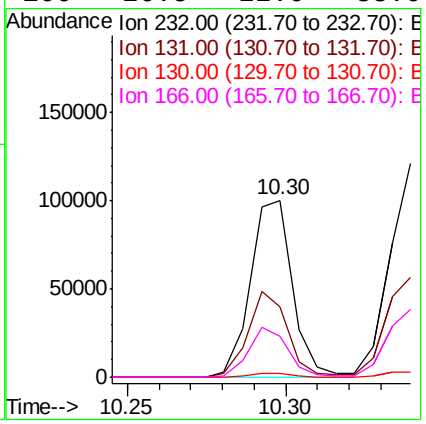


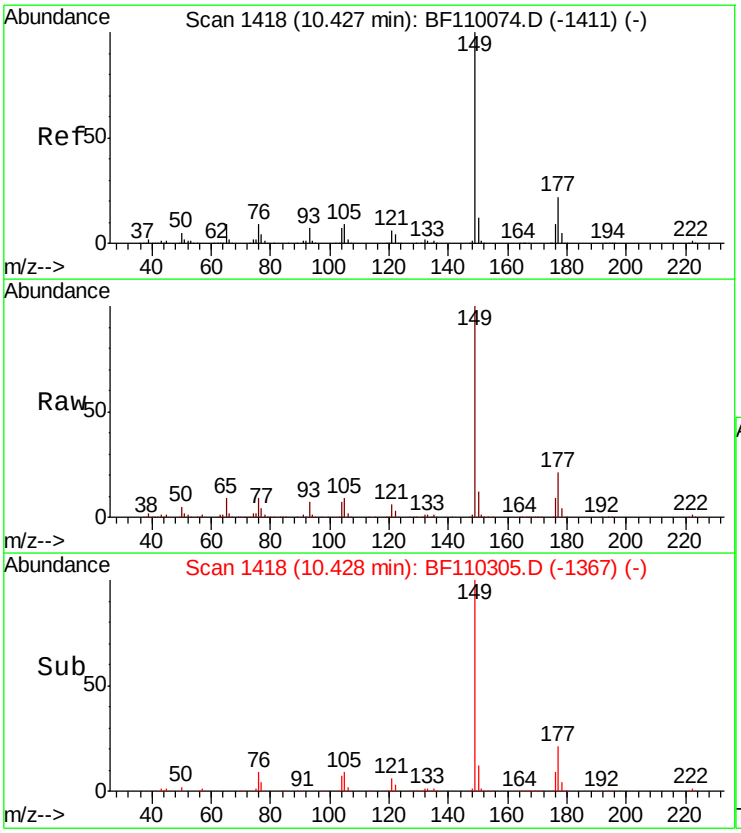
#59
2,3,4,6-Tetrachlorophenol
Concen: 28.912 ng
RT: 10.30 min Scan# 1396
Delta R.T. -0.04 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMSD

Tgt Ion:232 Resp: 92461

Ion	Ratio	Lower	Upper
232	100		
131	45.4	37.0	55.4
130	2.4	1.8	2.6
166	26.5	22.0	33.0

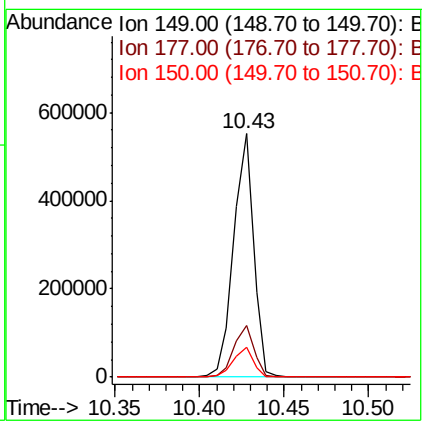


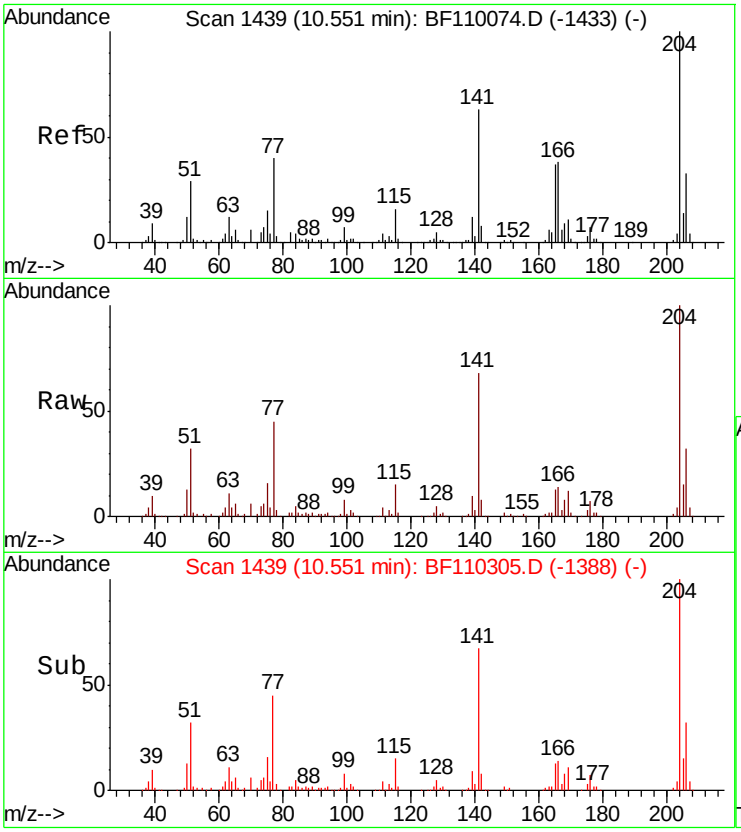


#60
Diethylphthalate
Concen: 34.074 ng
RT: 10.43 min Scan# 1418
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Tgt Ion:149 Resp: 453483

Ion	Ratio	Lower	Upper
149	100		
177	21.4	17.4	26.2
150	12.2	9.8	14.8



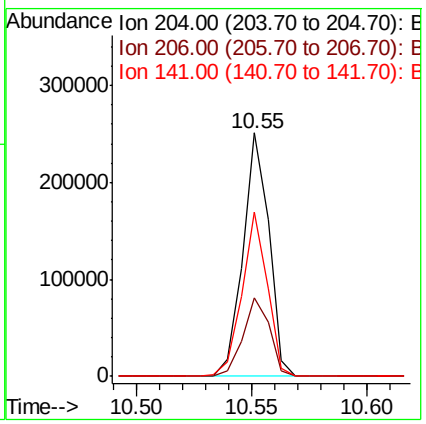


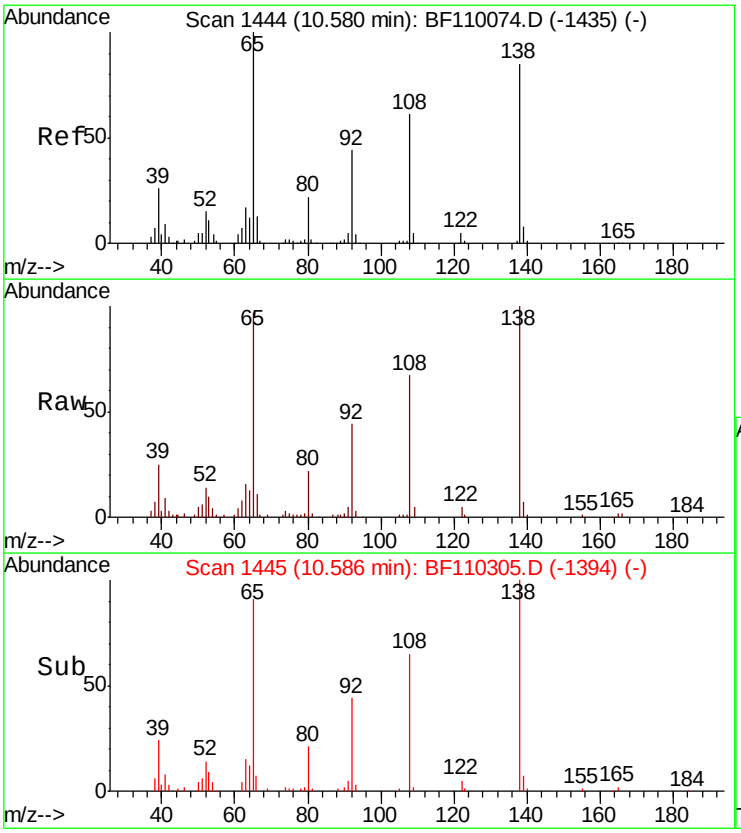
#61
4-Chlorophenyl-phenylether
Concen: 30.720 ng
RT: 10.55 min Scan# 1439
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMSD

Tgt Ion:204 Resp: 197682

Ion	Ratio	Lower	Upper
204	100		
206	32.4	26.5	39.7
141	67.6	51.8	77.8

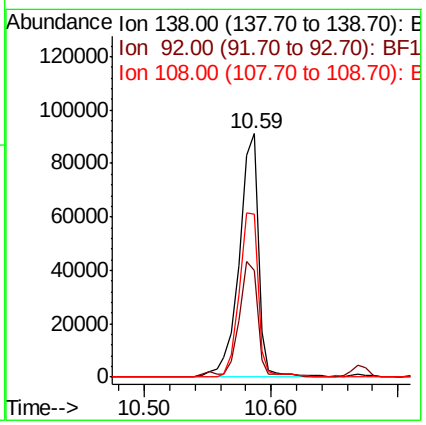


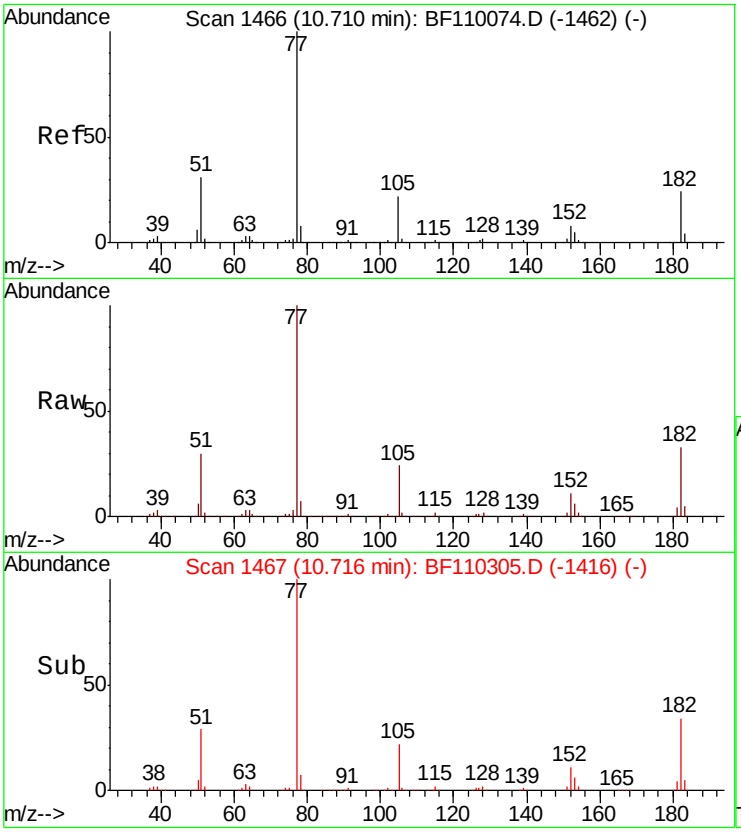


#62
4-Nitroaniline
Concen: 27.675 ng
RT: 10.59 min Scan# 1445
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Tgt Ion:138 Resp: 96132

Ion	Ratio	Lower	Upper
138	100		
92	44.1	31.7	71.7
108	66.8	59.3	99.3



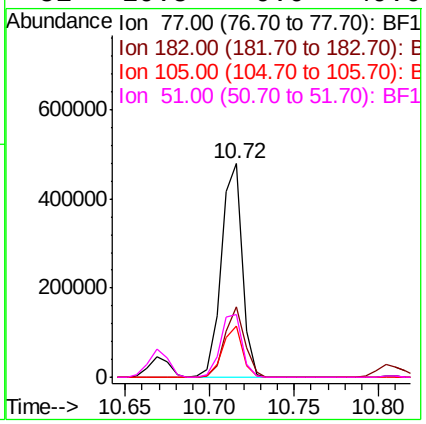


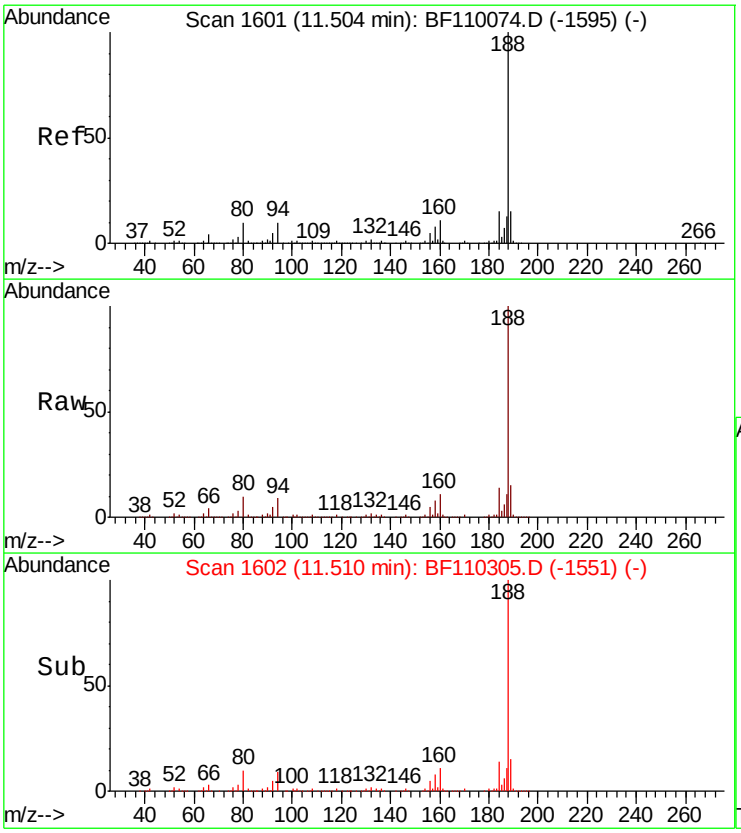
#63
Azobenzene
Concen: 31.082 ng
RT: 10.72 min Scan# 1467
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMSD

Tgt Ion: 77 Resp: 410609

Ion	Ratio	Lower	Upper
77	100		
182	33.1	4.3	44.3
105	23.7	1.3	41.3
51	29.5	9.0	49.0

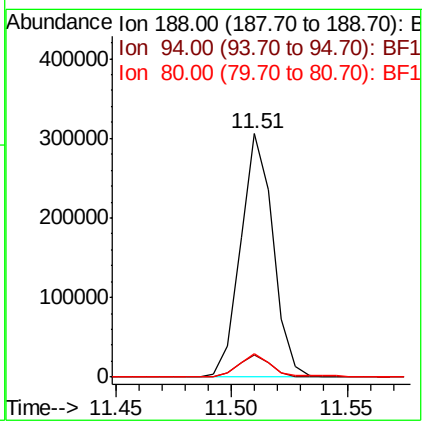


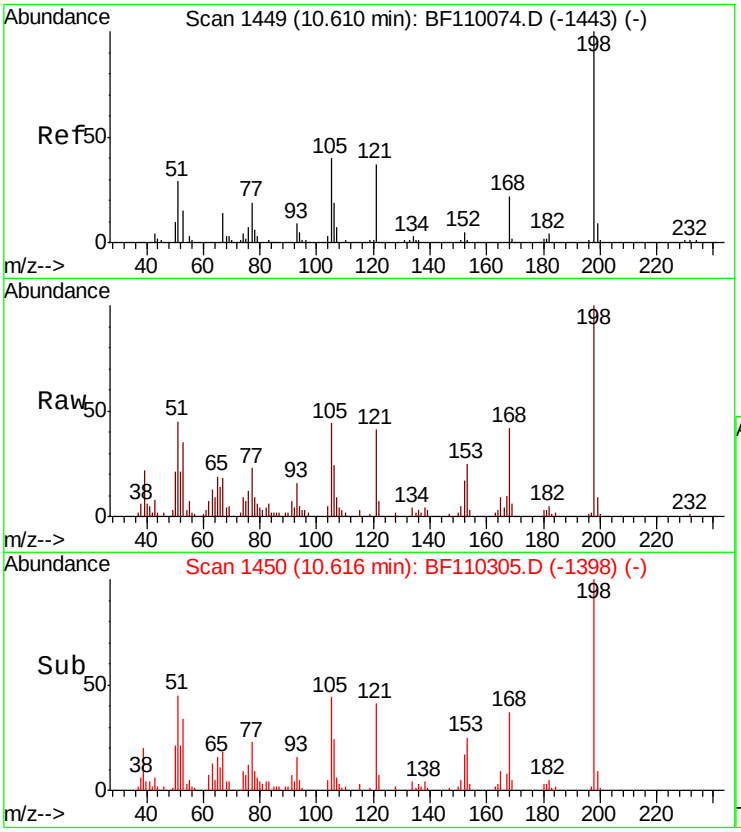


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1602
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Tgt Ion:188 Resp: 299823

Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.2	10.8
80	9.7	7.9	11.9



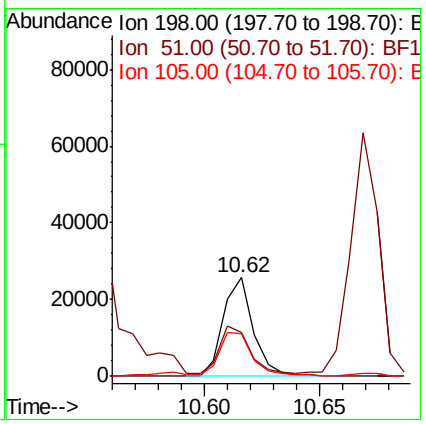


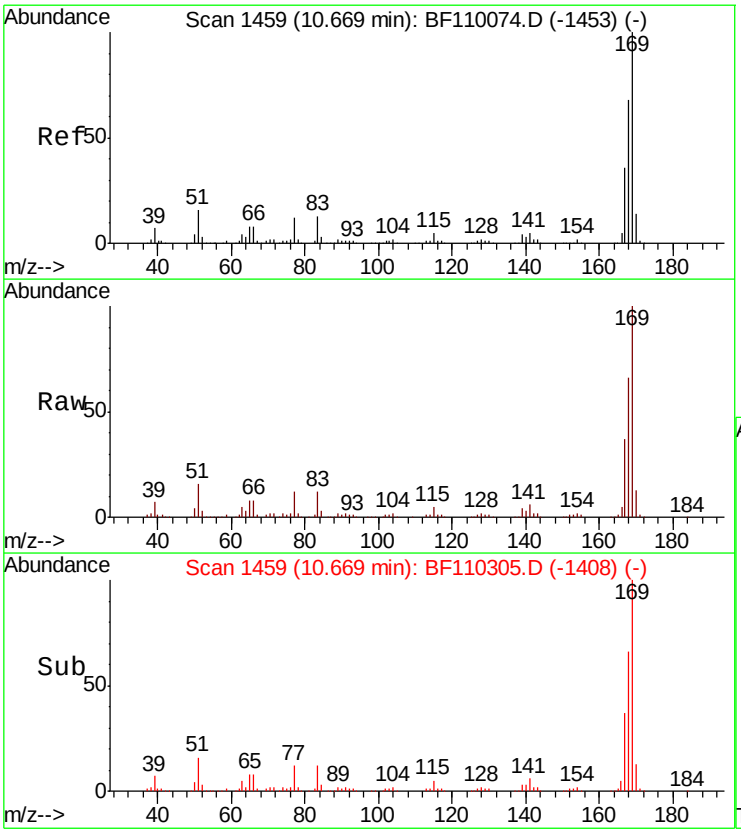
#65
4,6-Dinitro-2-methylphenol
Concen: 17.017 ng
RT: 10.62 min Scan# 1450
Delta R.T. 0.01 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMSD

Tgt Ion:198 Resp: 23310

Ion	Ratio	Lower	Upper
198	100		
51	44.9	22.8	62.8
105	43.6	23.6	63.6

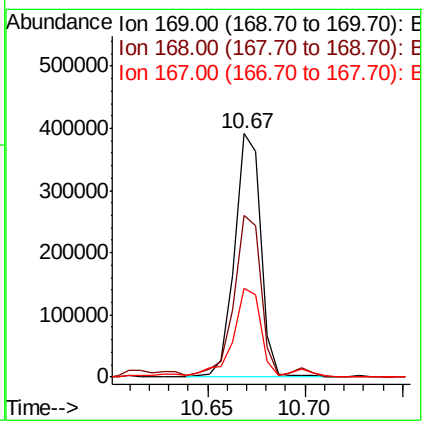


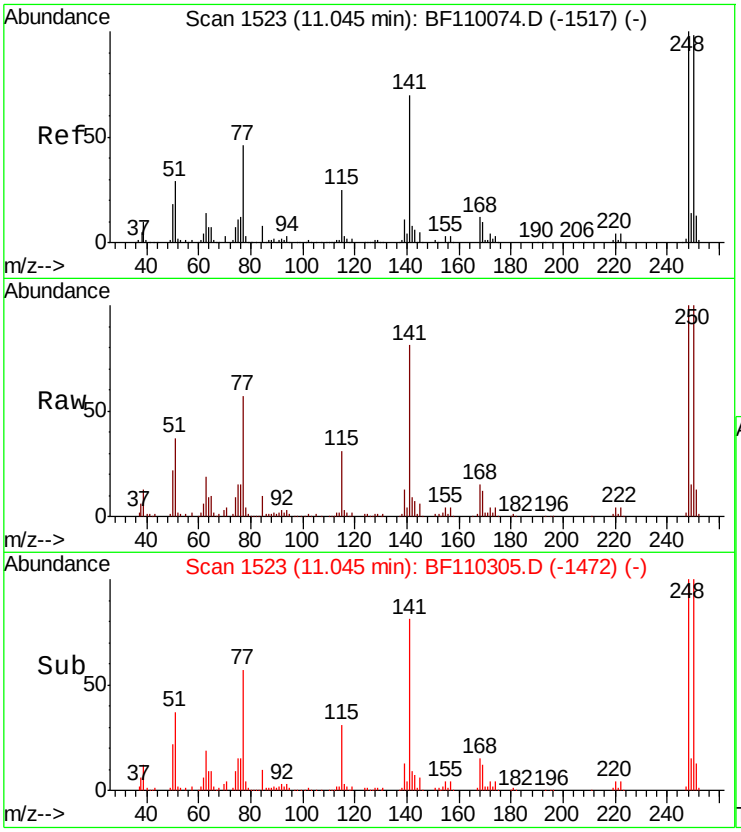


#66
n-Nitrosodiphenylamine
Concen: 36.733 ng
RT: 10.67 min Scan# 1459
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Tgt Ion:169 Resp: 361237

Ion	Ratio	Lower	Upper
169	100		
168	66.2	51.2	76.8
167	36.7	27.8	41.6



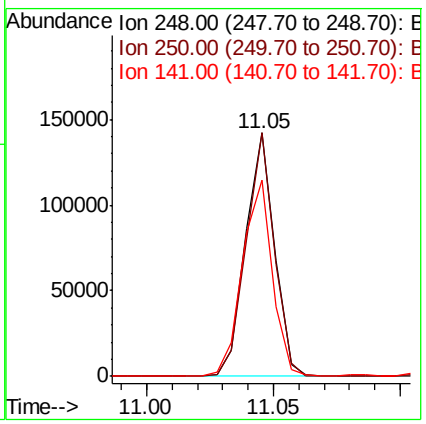


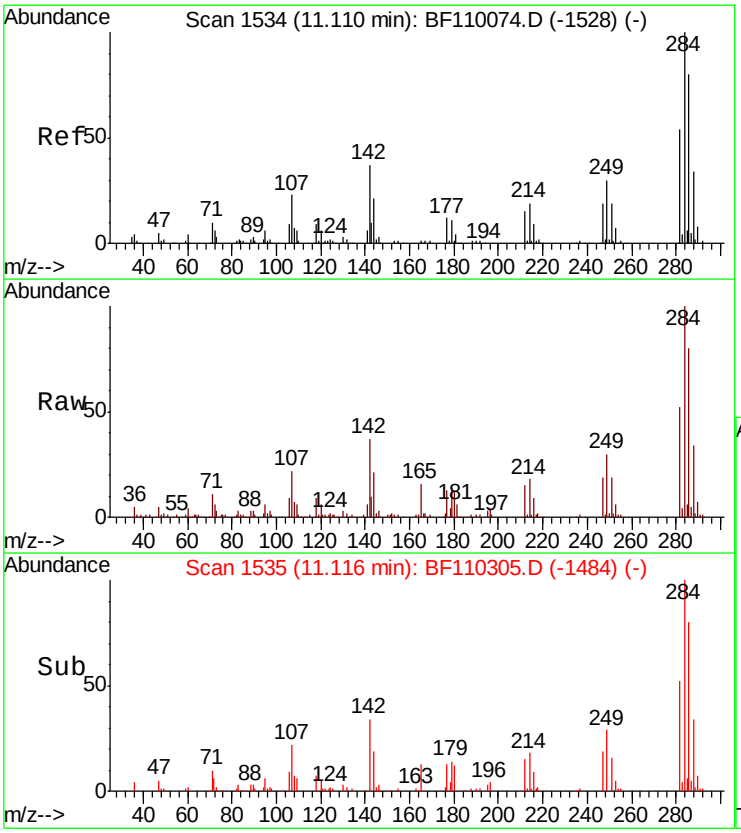
#67
4-Bromophenyl-phenylether
Concen: 34.818 ng
RT: 11.05 min Scan# 1523
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMSD

Tgt Ion:248 Resp: 113236

Ion	Ratio	Lower	Upper
248	100		
250	100.1	79.4	119.2
141	80.7	55.9	83.9

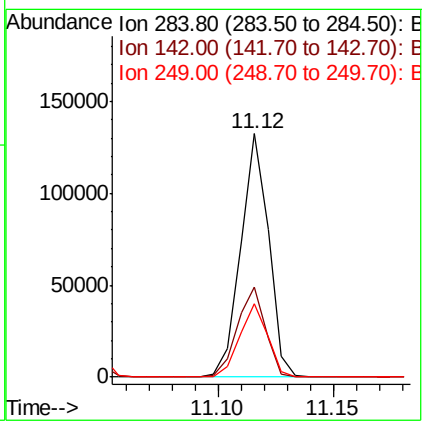


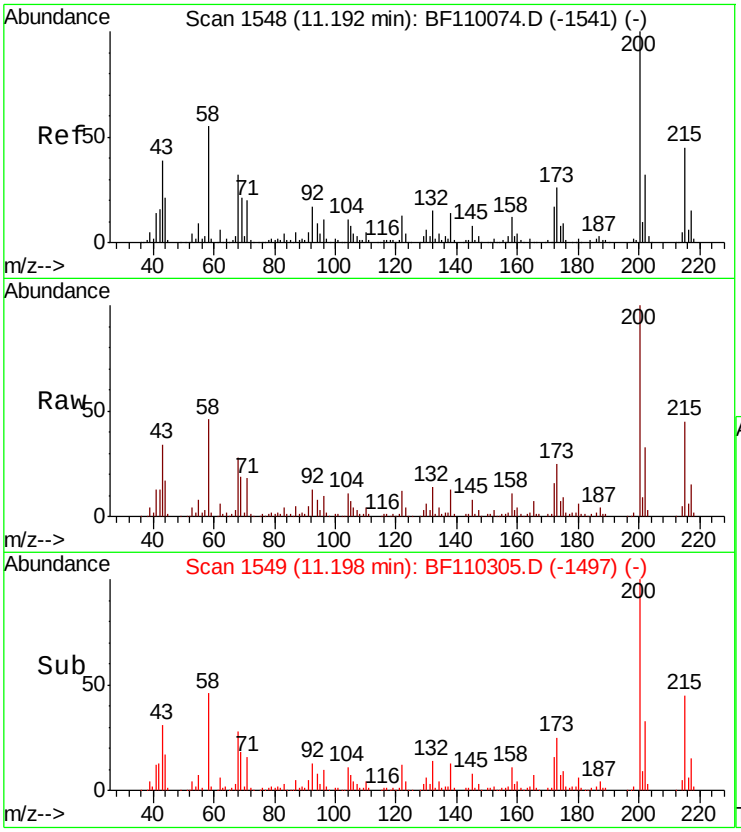


#68
Hexachlorobenzene
Concen: 32.381 ng
RT: 11.12 min Scan# 1535
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Tgt Ion:284 Resp: 111738

Ion	Ratio	Lower	Upper
284	100		
142	36.9	23.9	35.9#
249	30.2	24.2	36.2



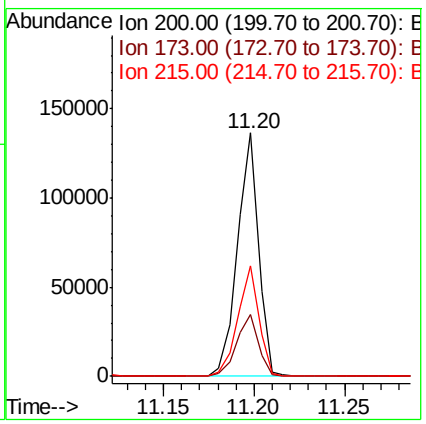


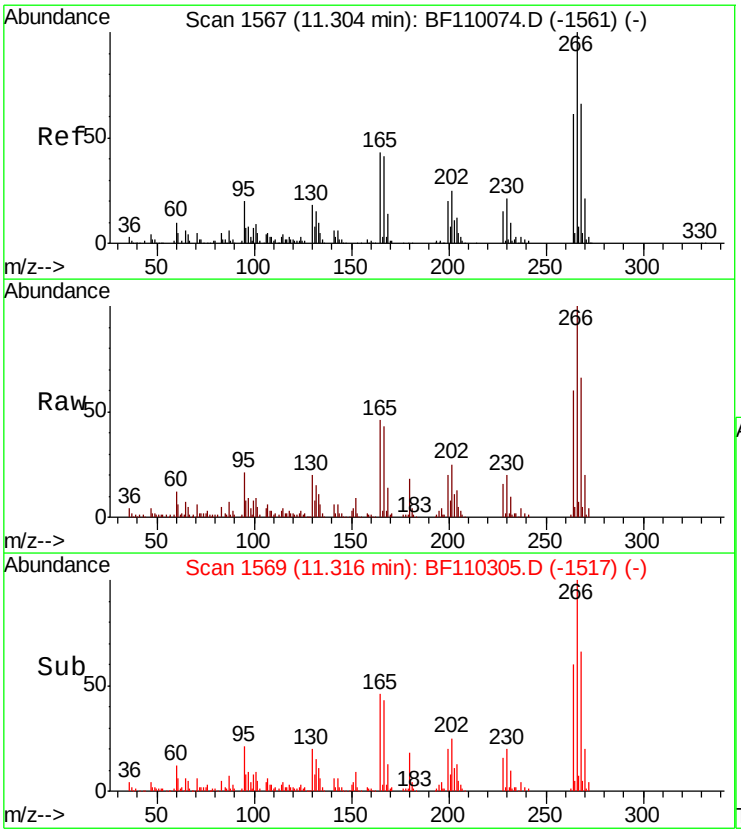
#69
Atrazine
Concen: 35.582 ng
RT: 11.20 min Scan# 1549
Delta R.T. 0.01 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMSD

Tgt Ion:200 Resp: 110581

Ion	Ratio	Lower	Upper
200	100		
173	25.4	6.6	46.6
215	45.3	26.3	66.3

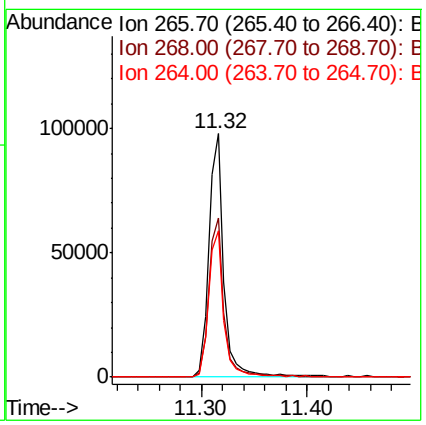


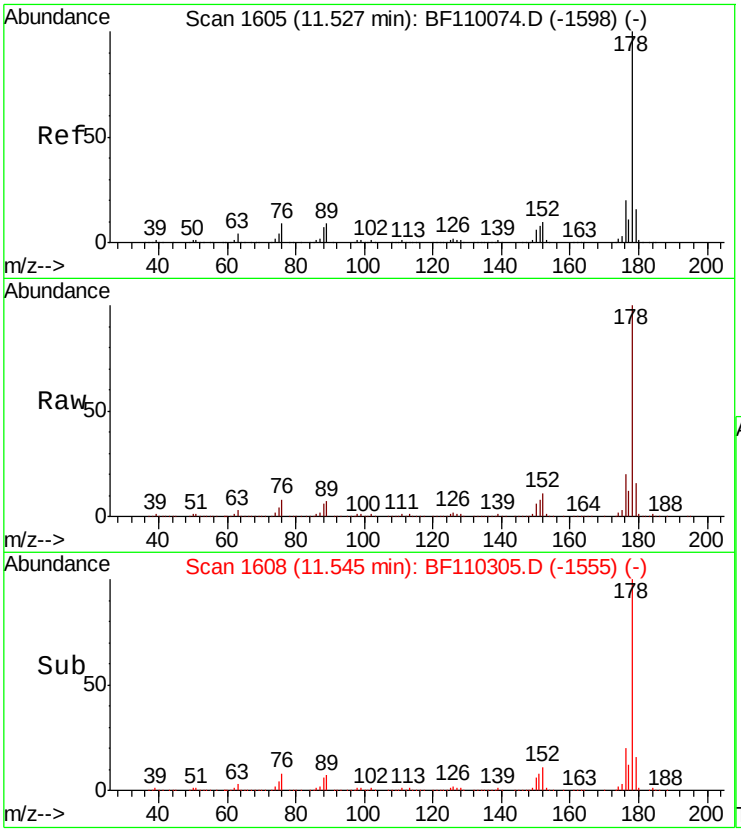


#70
Pentachlorophenol
Concen: 48.730 ng
RT: 11.32 min Scan# 1569
Delta R.T. 0.01 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Tgt Ion:266 Resp: 98052

Ion	Ratio	Lower	Upper
266	100		
268	65.6	50.6	75.8
264	60.0	50.6	75.8



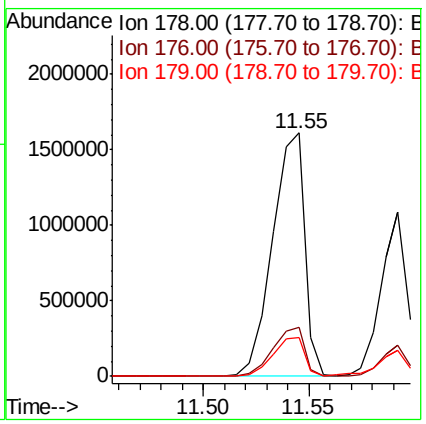


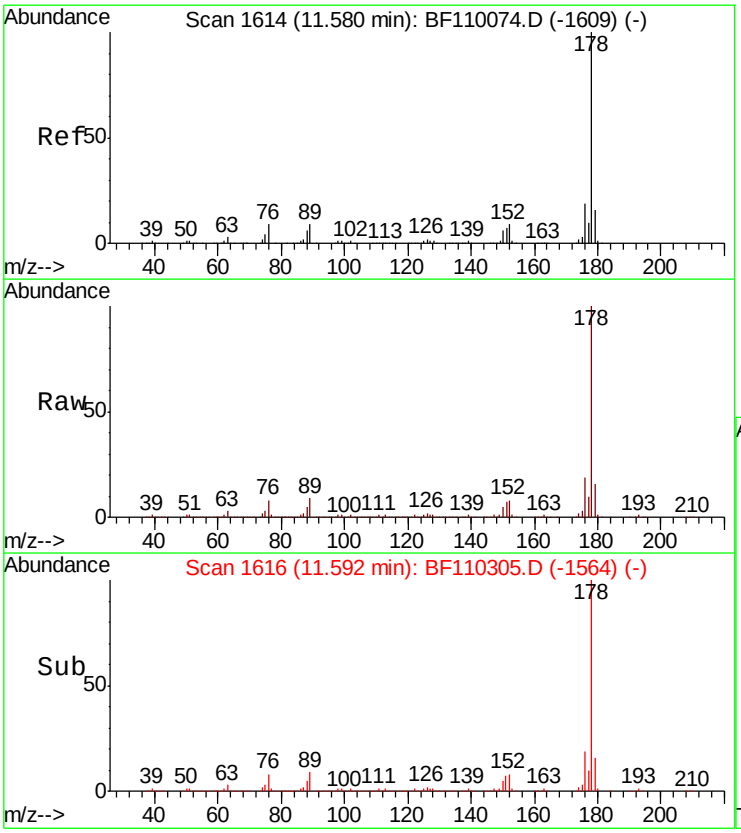
#71
Phenanthrene
Concen: 109.378 ng
RT: 11.55 min Scan# 1608
Delta R.T. 0.01 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMSD

Tgt Ion:178 Resp: 1715938

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.5	23.3
179	16.0	12.5	18.7

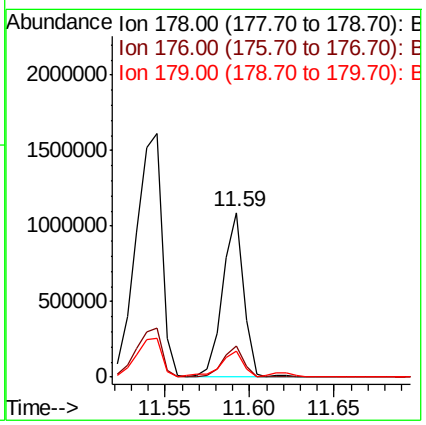


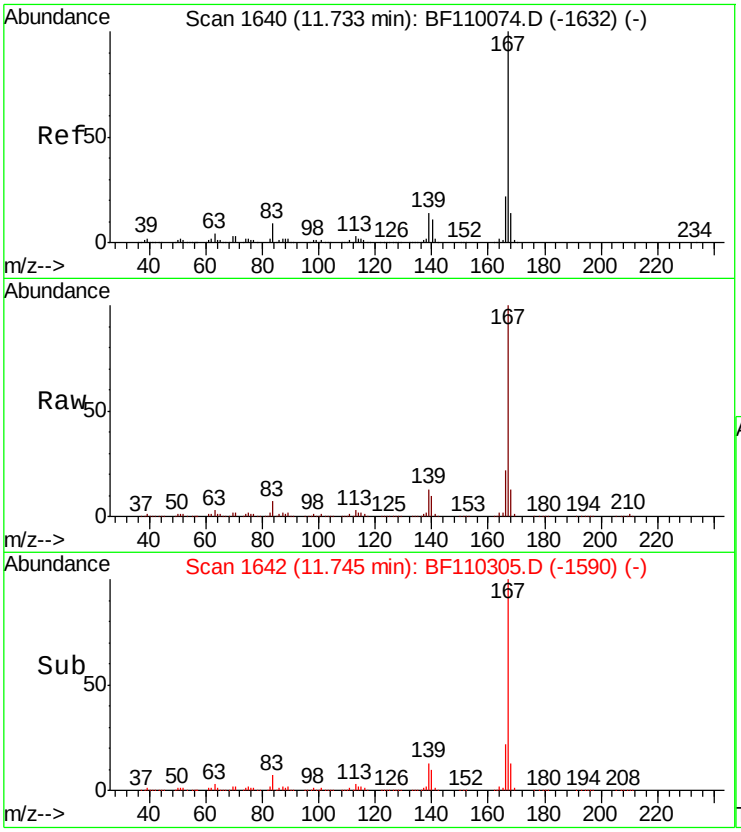


#72
Anthracene
Concen: 59.739 ng
RT: 11.59 min Scan# 1616
Delta R.T. 0.01 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Tgt Ion:178 Resp: 939388

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	15.7	12.6	18.8



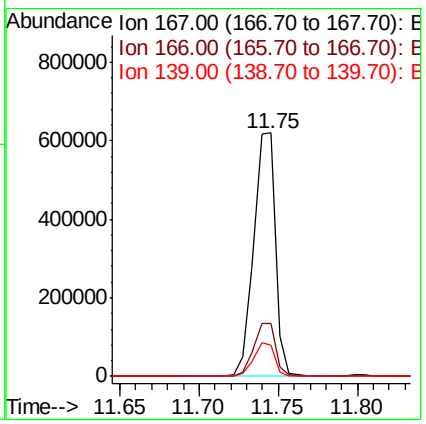


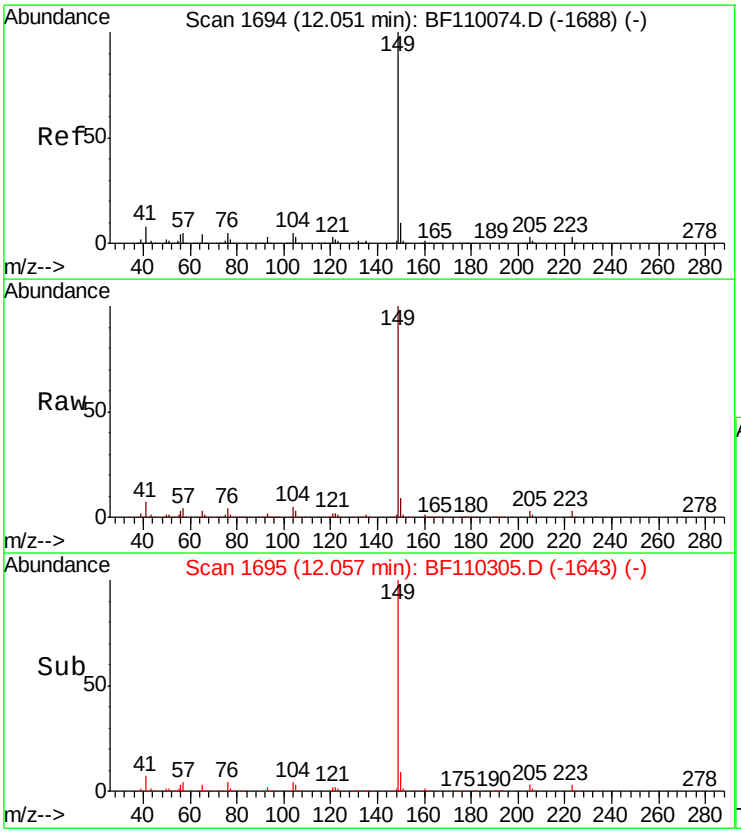
#73
Carbazole
Concen: 38.736 ng
RT: 11.75 min Scan# 1642
Delta R.T. 0.01 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMSD

Tgt Ion:167 Resp: 594740

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.4	26.0
139	12.8	10.9	16.3

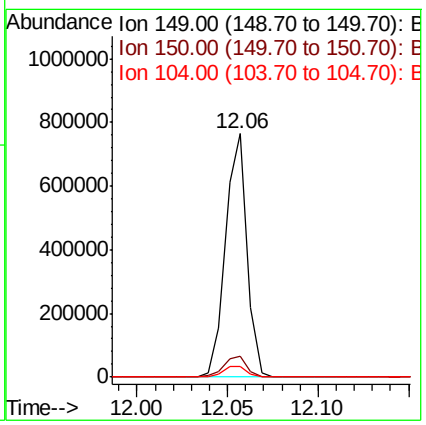


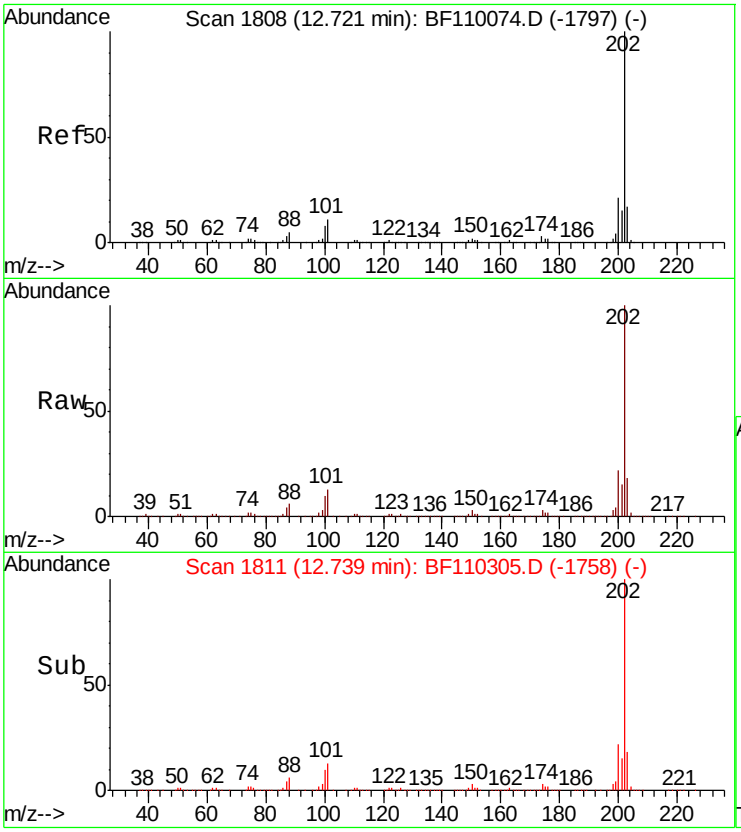


#74
Di-n-butylphthalate
Concen: 36.356 ng
RT: 12.06 min Scan# 1695
Delta R.T. 0.01 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Tgt Ion:149 Resp: 630433

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.7	11.5
104	4.6	4.2	6.4



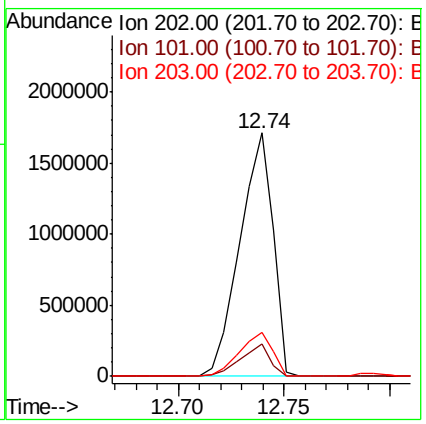


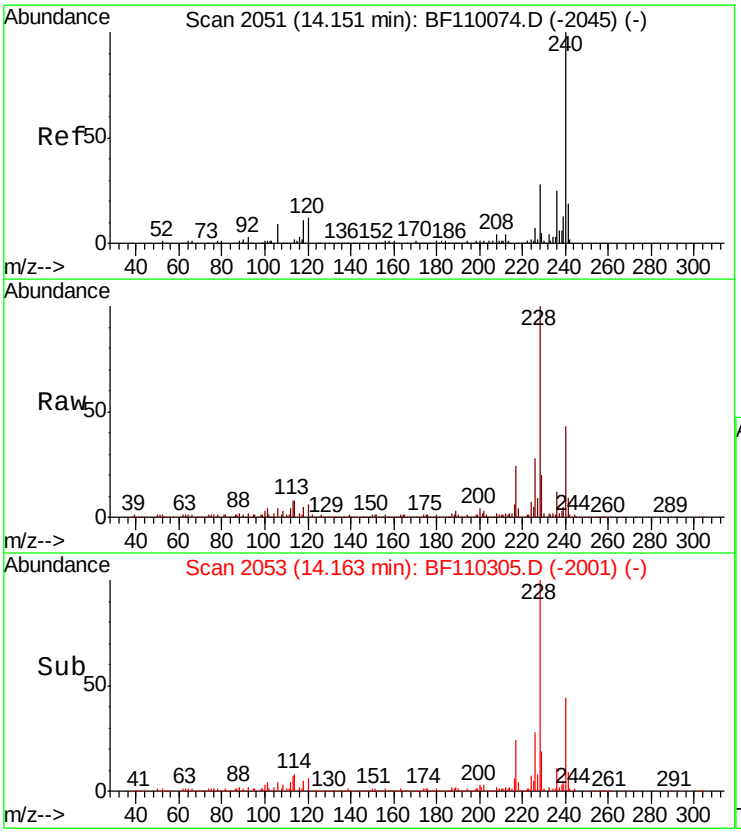
#75
Fluoranthene
Concen: 117.639 ng
RT: 12.74 min Scan# 1811
Delta R.T. 0.01 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMSD

Tgt Ion:202 Resp: 1873003

Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	31.4
203	18.3	0.0	37.7

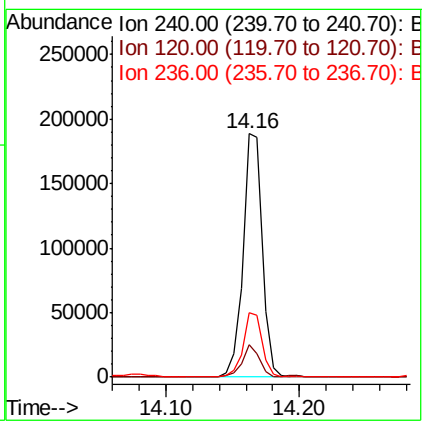


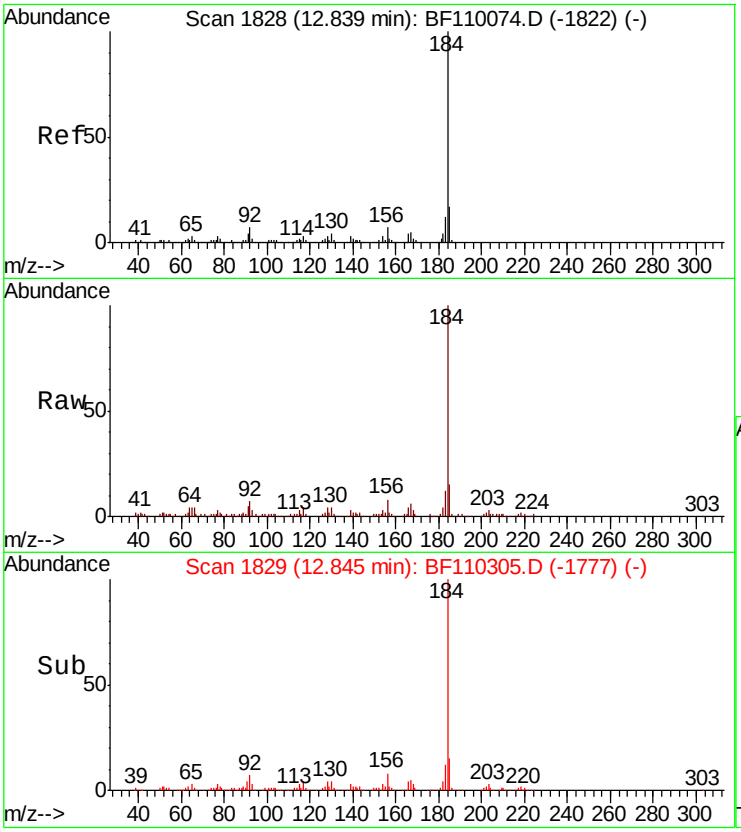


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.16 min Scan# 2053
Delta R.T. 0.01 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Tgt Ion:240 Resp: 187373

Ion	Ratio	Lower	Upper
240	100		
120	13.1	8.3	12.5#
236	26.7	21.2	31.8



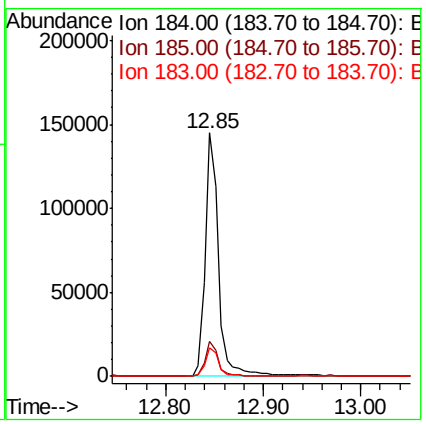


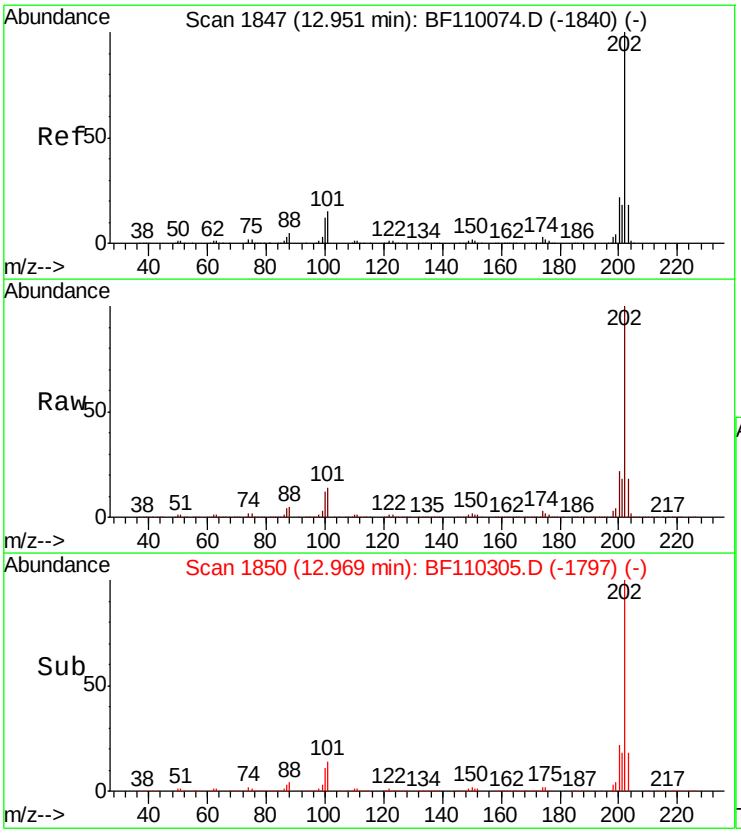
#77
Benzidine
Concen: 20.641 ng
RT: 12.85 min Scan# 1829
Delta R.T. 0.01 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMSD

Tgt Ion:184 Resp: 138443

Ion	Ratio	Lower	Upper
184	100		
185	14.6	13.4	20.2
183	11.9	9.4	14.2

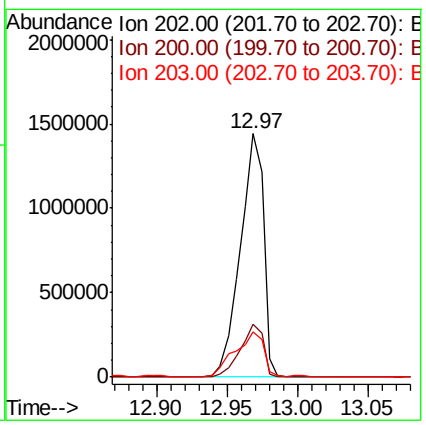


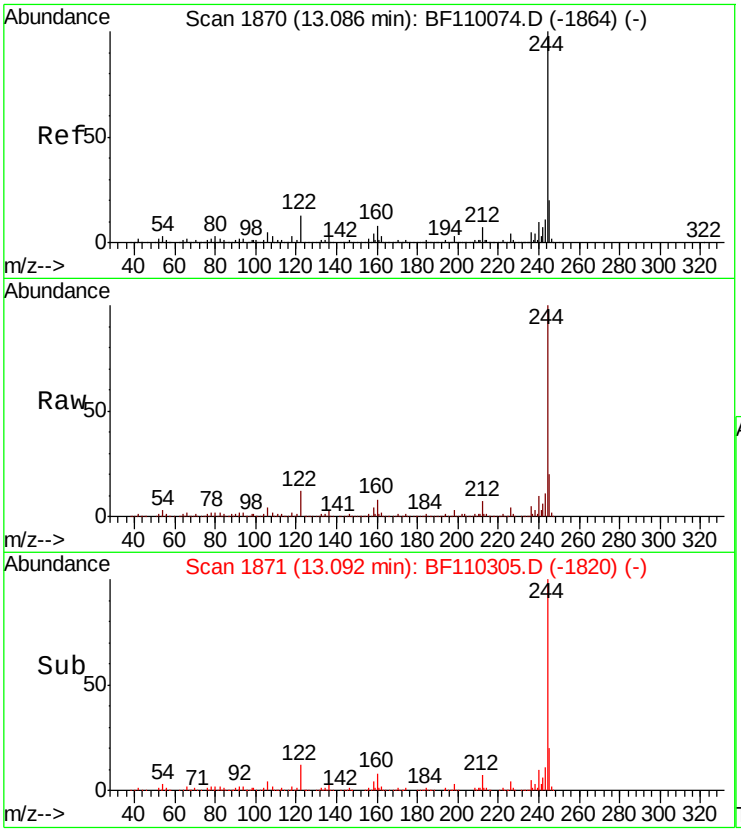


#78
Pyrene
Concen: 123.364 ng
RT: 12.97 min Scan# 1850
Delta R.T. 0.01 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Tgt Ion:202 Resp: 1657154

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.8	26.6
203	18.4	14.2	21.4



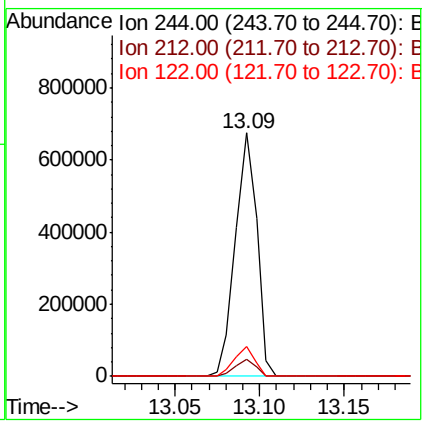


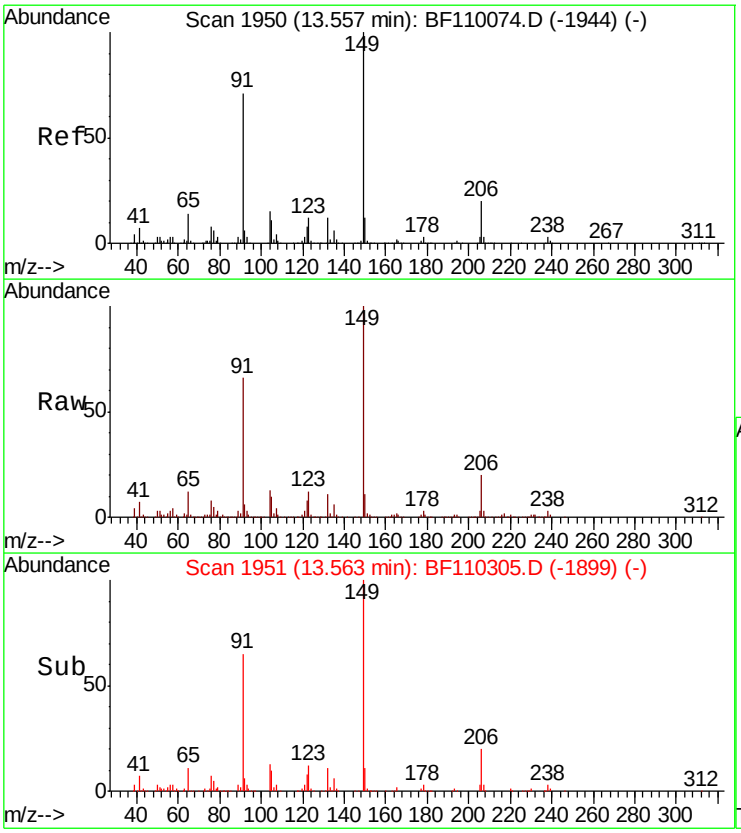
#79
Terphenyl-d14
Concen: 66.718 ng
RT: 13.09 min Scan# 1871
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMSD

Tgt Ion:244 Resp: 601103

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.8
122	12.3	8.7	13.1

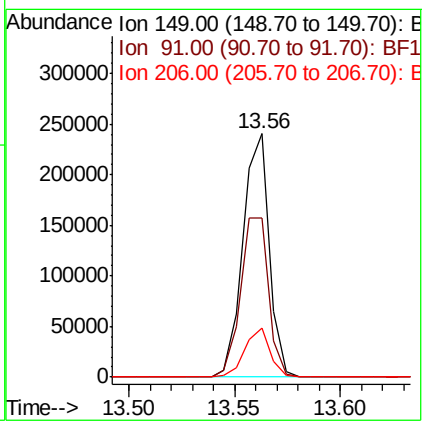


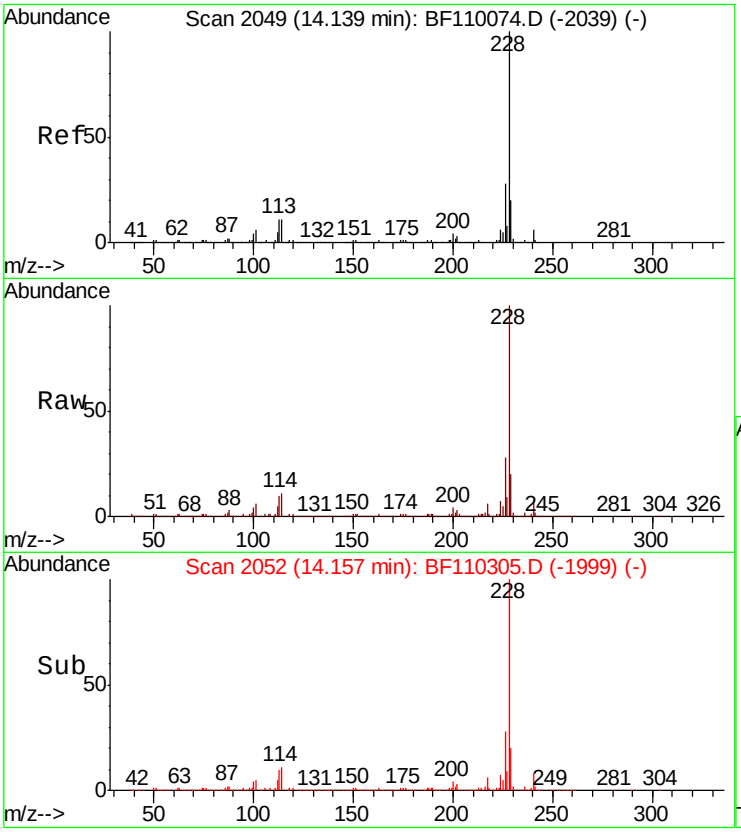


#80
Butylbenzylphthalate
Concen: 35.491 ng
RT: 13.56 min Scan# 1951
Delta R.T. 0.01 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Tgt Ion:149 Resp: 206932

Ion	Ratio	Lower	Upper
149	100		
91	65.6	57.2	85.8
206	19.9	15.7	23.5



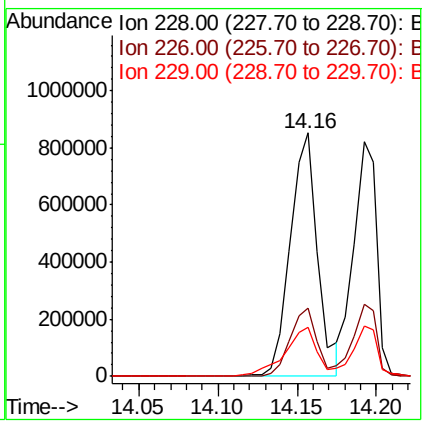


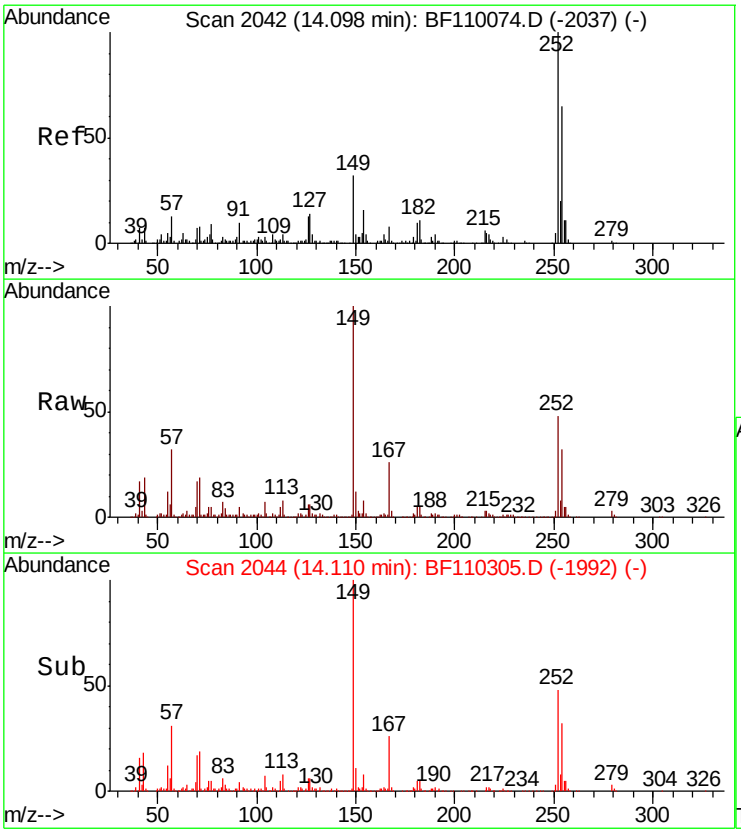
#81
Benzo(a)anthracene
Concen: 91.556 ng
RT: 14.16 min Scan# 2052
Delta R.T. 0.01 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMSD

Tgt Ion:228 Resp: 1017339

Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.1	33.1
229	20.4	15.6	23.4

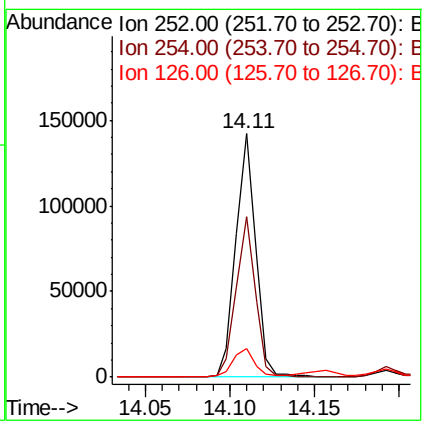


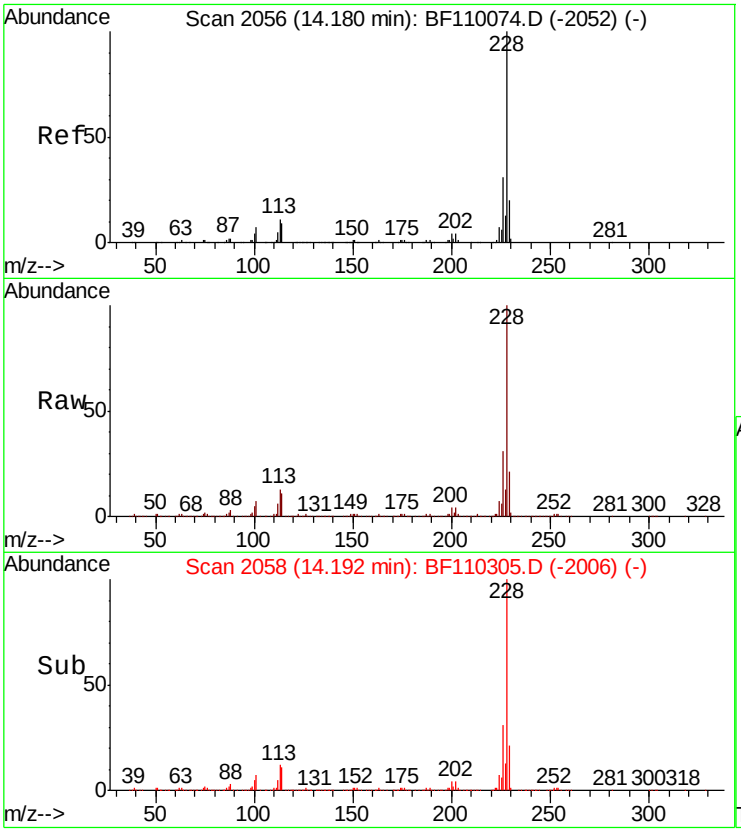


#82
3,3'-Dichlorobenzidine
Concen: 30.251 ng
RT: 14.11 min Scan# 2044
Delta R.T. 0.01 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Tgt Ion:252 Resp: 117049

Ion	Ratio	Lower	Upper
252	100		
254	65.9	51.3	76.9
126	11.9	9.4	14.2



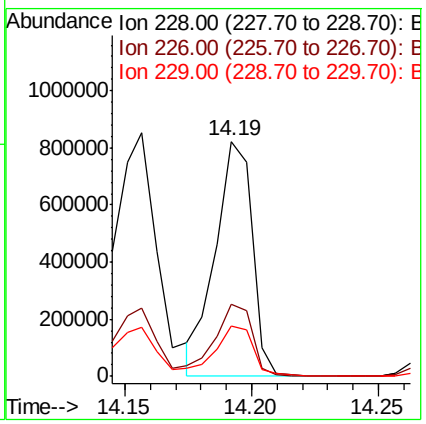


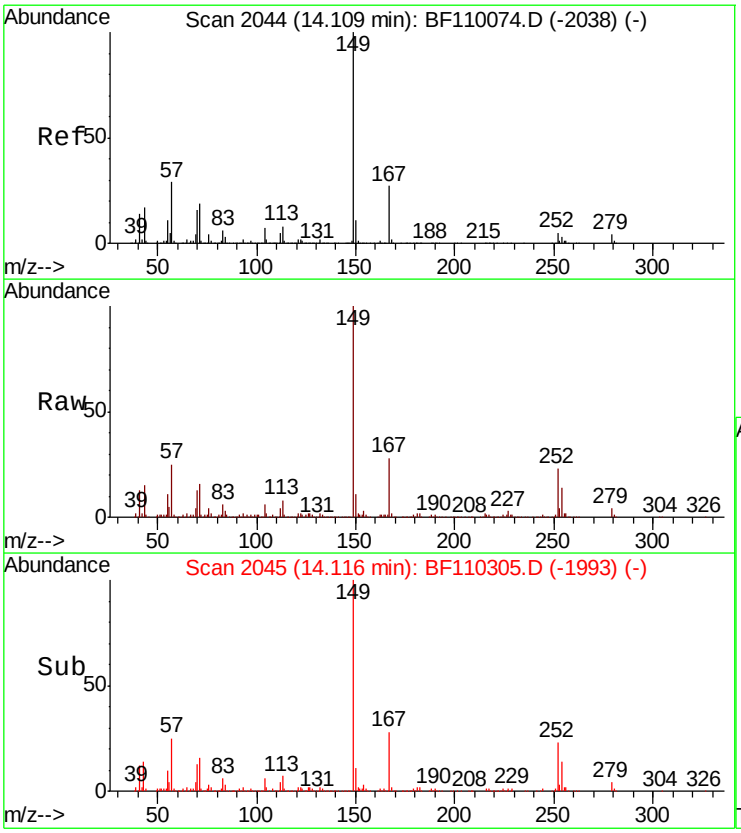
#83
Chrysene
Concen: 78.749 ng
RT: 14.19 min Scan# 2058
Delta R.T. 0.01 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMSD

Tgt Ion:228 Resp: 831110

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.7	37.1
229	21.3	15.9	23.9

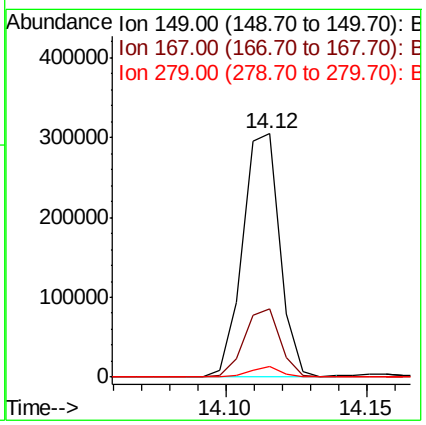


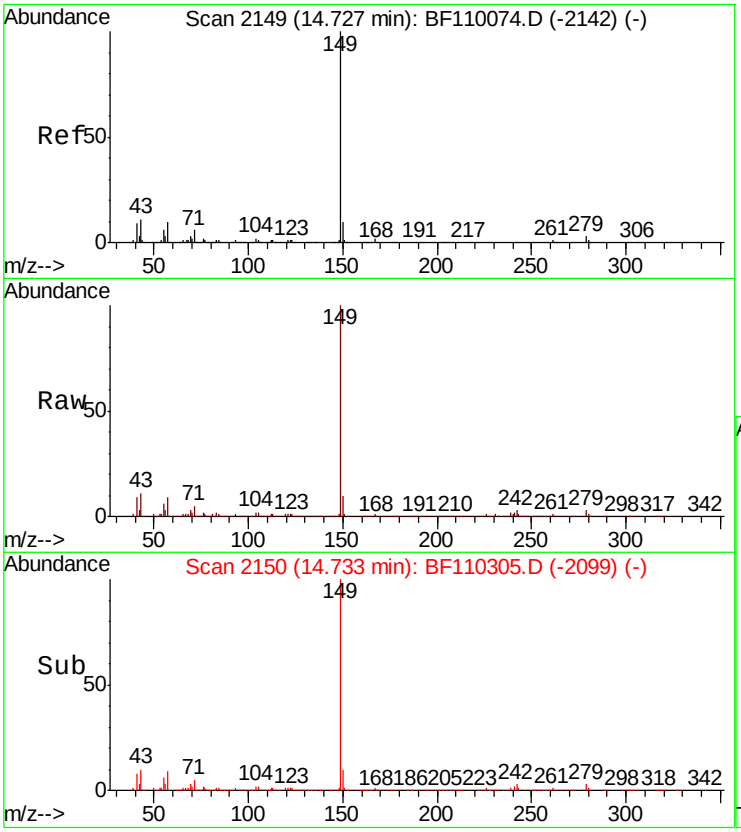


#84
Bis(2-ethylhexyl)phthalate
Concen: 35.366 ng
RT: 14.12 min Scan# 2045
Delta R.T. 0.01 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Tgt Ion:149 Resp: 278744

Ion	Ratio	Lower	Upper
149	100		
167	27.9	19.8	29.8
279	4.1	2.7	4.1#



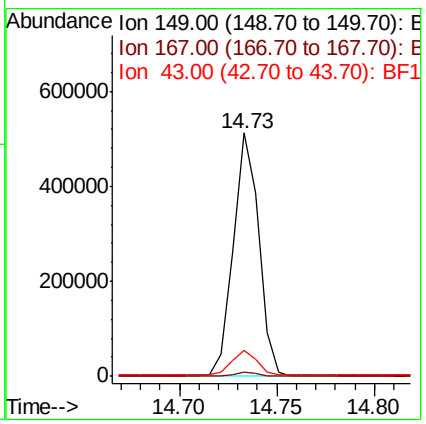


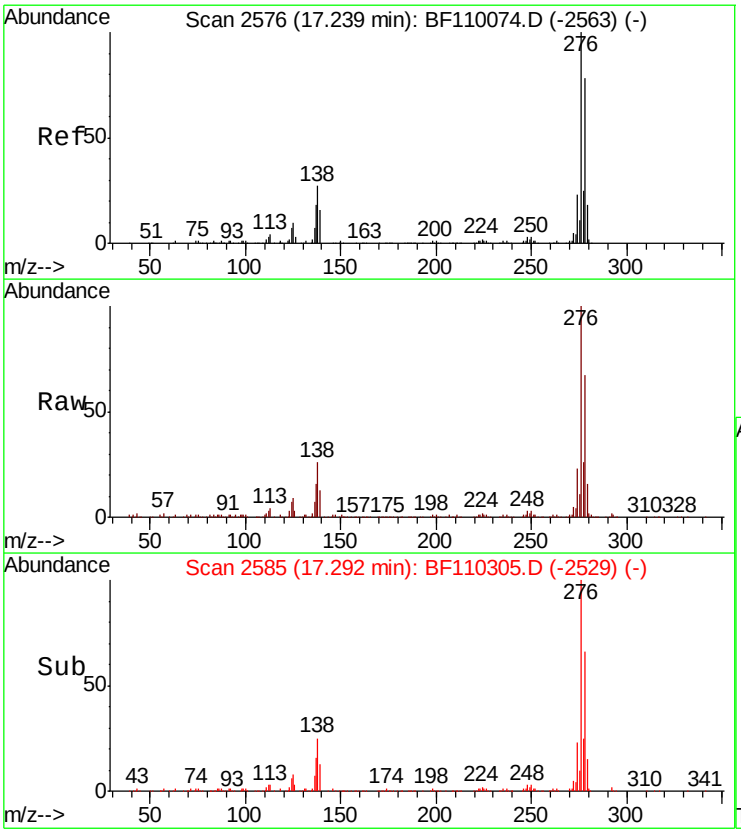
#85
Di-n-octyl phthalate
Concen: 37.567 ng
RT: 14.73 min Scan# 2150
Delta R.T. 0.00 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMSD

Tgt Ion:149 Resp: 460399

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	10.0	7.8	11.8

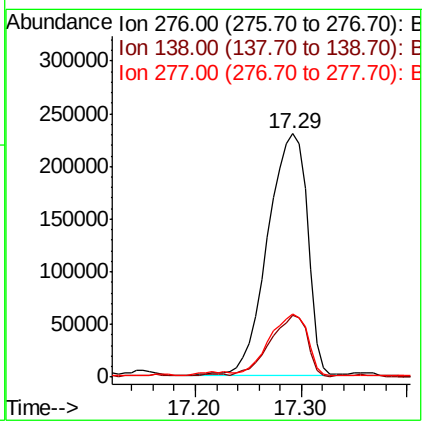


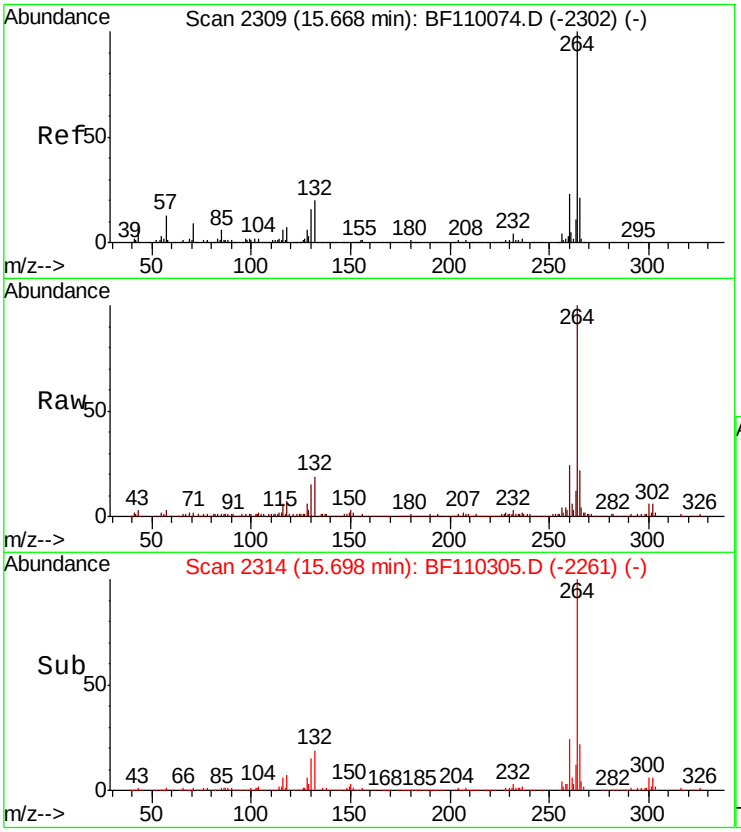


#86
Indeno(1,2,3-cd)pyrene
Concen: 68.606 ng
RT: 17.29 min Scan# 2585
Delta R.T. 0.03 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Tgt Ion:276 Resp: 600676

Ion	Ratio	Lower	Upper
276	100		
138	23.4	18.5	27.7
277	25.1	20.0	30.0



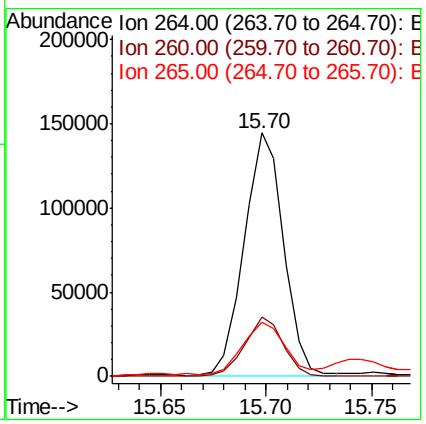


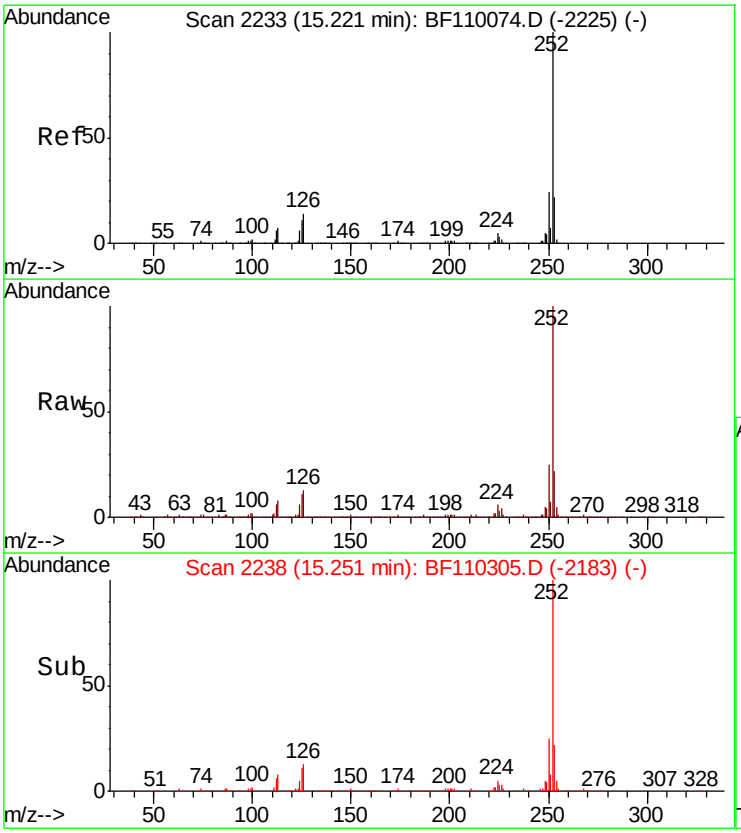
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2314
Delta R.T. 0.01 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMSD

Tgt Ion:264 Resp: 185297

Ion	Ratio	Lower	Upper
264	100		
260	24.2	18.7	28.1
265	22.0	16.7	25.1

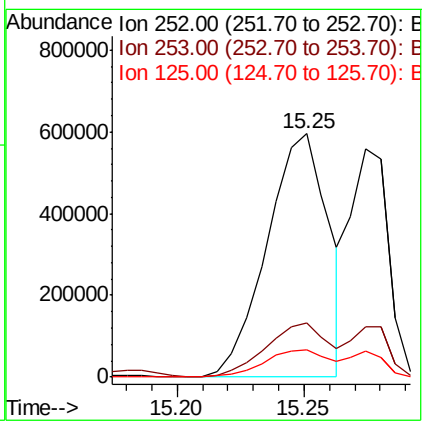


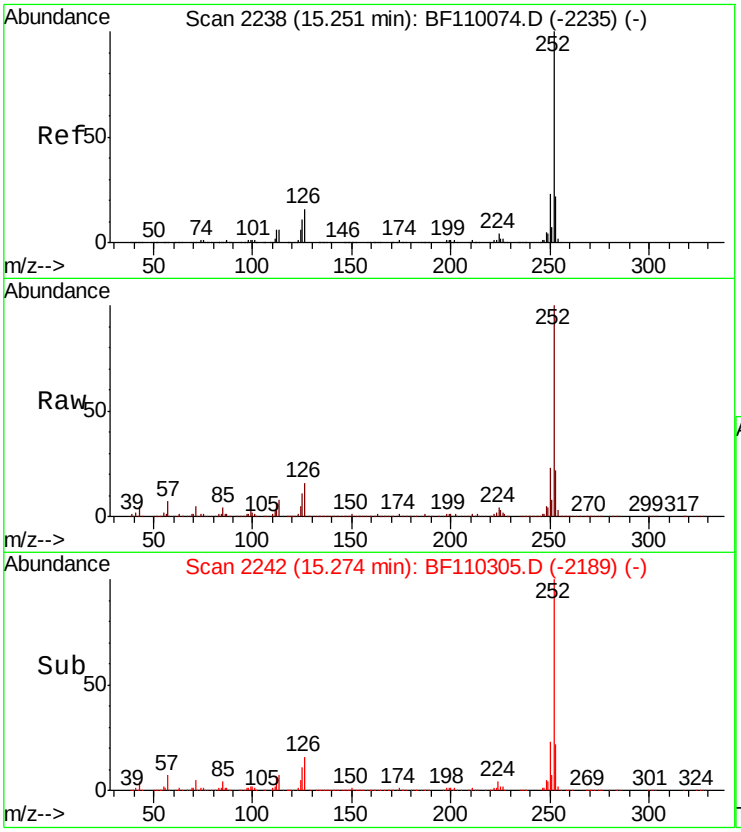


#88
Benzo(b)fluoranthene
Concen: 93.272 ng
RT: 15.25 min Scan# 2238
Delta R.T. 0.02 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Tgt Ion:252 Resp: 998029

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.2	25.8
125	11.3	8.2	12.4



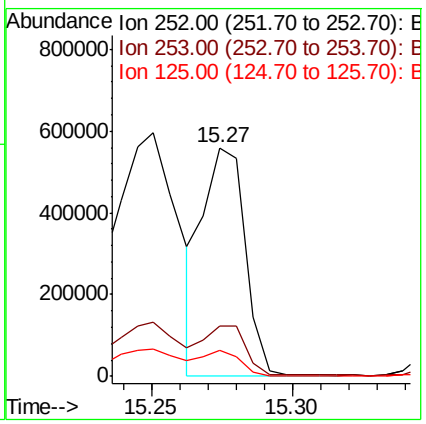


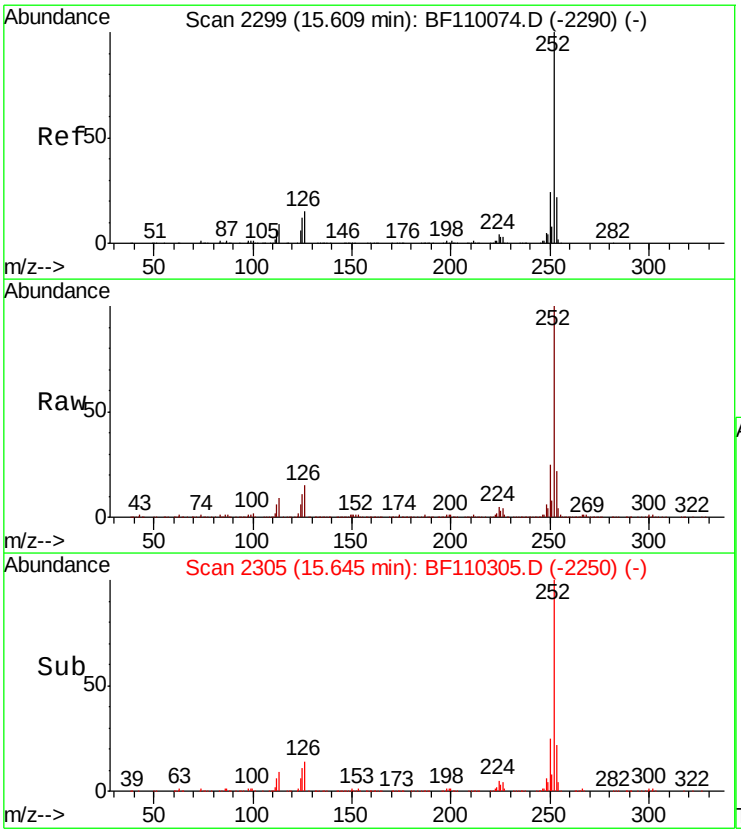
#89
Benzo(k)fluoranthene
Concen: 55.203 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMSD

Tgt Ion:252 Resp: 580702

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.2	25.8
125	11.3	7.4	11.0#

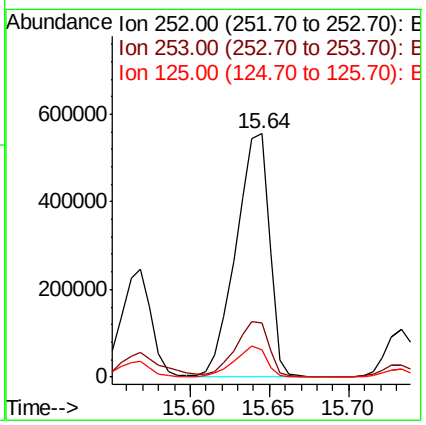


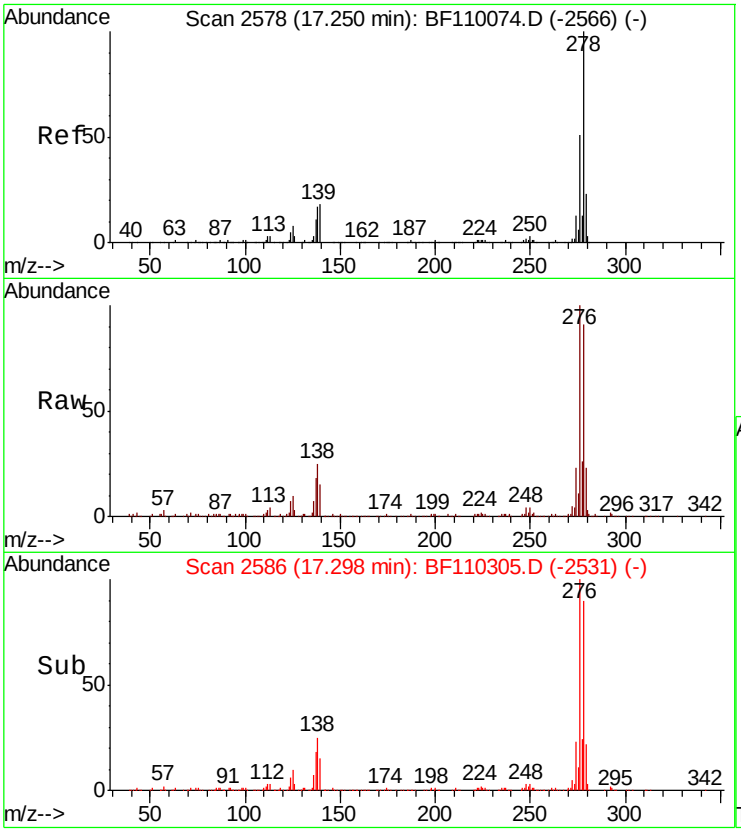


#90
Benzo(a)pyrene
Concen: 82.141 ng
RT: 15.64 min Scan# 2305
Delta R.T. 0.02 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Tgt Ion:252 Resp: 808755

Ion	Ratio	Lower	Upper
252	100		
253	22.2	18.2	27.4
125	11.3	9.0	13.6



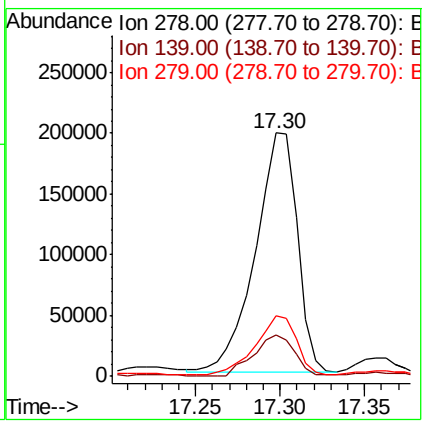


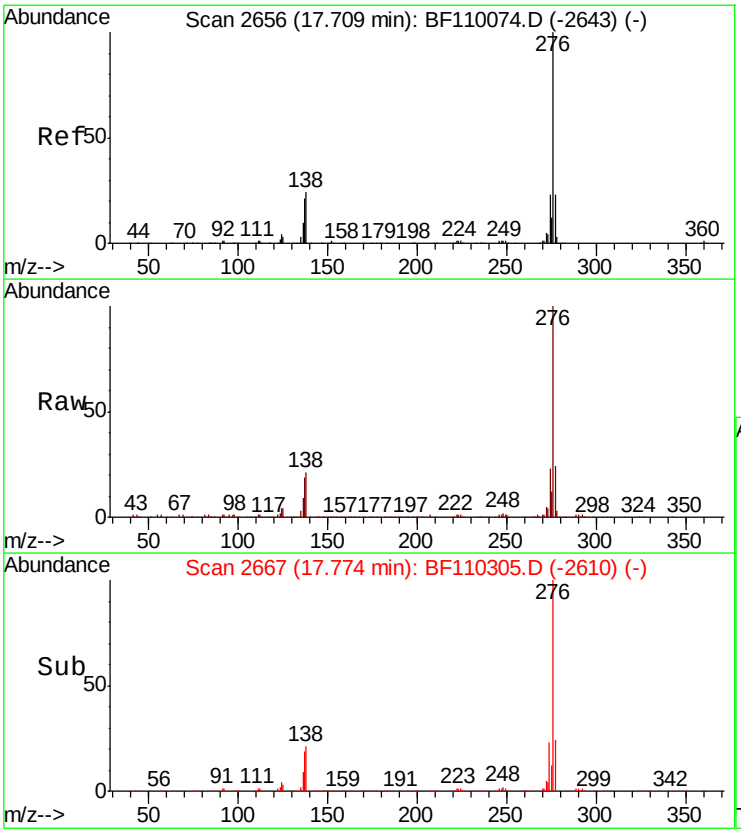
#91
Dibenzo(a,h)anthracene
Concen: 40.032 ng
RT: 17.30 min Scan# 2586
Delta R.T. 0.02 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Instrument :
BNA_F
ClientSampleId :
RED-SHALEMSD

Tgt Ion:278 Resp: 340094

Ion	Ratio	Lower	Upper
278	100		
139	17.0	12.7	19.1
279	25.1	19.0	28.4





#92
Benzo(g,h,i)perylene
Concen: 60.835 ng
RT: 17.77 min Scan# 2667
Delta R.T. 0.04 min
Lab File: BF110305.D
Acq: 30 Oct 2018 16:14

Tgt Ion:276 Resp: 509291

Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.8	28.2
138	21.2	16.0	24.0