Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121218\
Data File : BF111334.D
Acq On : 12 Dec 2018 21:06
Operator : JU/SJ
Sample : J6331-19
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-4

Quant Time: Dec 13 01:22:08 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 12 13:16:52 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	256968	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	908813	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	340779	20.00	ng	0.00
64) Phenanthrene-d10	11.31	188	537937	20.00	ng	0.00
76) Chrysene-d12	13.94	240	417401	20.00	ng	-0.01
87) Perylene-d12	15.39	264	321275	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	2211920	145.56	ng	0.01
7) Phenol-d6	6.43	99	2748790	134.16	ng	0.00
23) Nitrobenzene-d5	7.36	82	1652505	102.49	ng	0.00
42) 2,4,6-Tribromophenol	10.62	330	396877	132.12	ng	0.00
45) 2-Fluorobiphenyl	9.16	172	2342697	110.37	ng	0.00
79) Terphenyl-d14	12.90	244	1804139	95.13	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.52	88	405	0.053	ng	# 1
3) Pyridine	3.28	79	123	0.007	ng	# 1
4) n-Nitrosodimethylamine	3.20	42	781	0.090	ng	# 1
6) Aniline	6.45	93	3899	0.157	ng	# 1
8) 2-Chlorophenol	6.58	128	1278	0.068	ng	# 1
9) Benzaldehyde	6.34	77	3203	Below Cal		83
10) Phenol	6.45	94	154046	6.637	ng	90
11) bis(2-Chloroethyl)ether	6.57	93	3539	0.194	ng	# 1
12) 1,3-Dichlorobenzene	6.73	146	463	0.023	ng	# 43
13) 1,4-Dichlorobenzene	6.81	146	1714	0.084	ng	# 86
14) 1,2-Dichlorobenzene	6.95	146	591	0.031	ng	# 1
15) Benzyl Alcohol	6.95	79	28378	1.809	ng	# 39
16) 2,2'-oxybis(1-Chloropropan	7.06	45	115	0.003	ng	72
17) 2-Methylphenol	7.05	107	126	0.008	ng	# 11
18) Hexachloroethane	7.33	117	2535	0.334	ng	# 57
19) n-Nitroso-di-n-propylamine	7.36	70	219702	16.137	ng	# 77
20) 3+4-Methylphenols	7.20	107	584	0.032	ng	# 1
22) Acetophenone	7.19	105	61801	2.928	ng	# 84
24) Nitrobenzene	7.33	77	36984	2.227	ng	# 47
25) Isophorone	7.36	82	1630939	59.547	ng	# 64
27) 2,4-Dimethylphenol	7.73	122	355	0.029	ng	96
28) bis(2-Chloroethoxy)methane	7.85	93	121	0.006	ng	# 48
31) Naphthalene	8.09	128	8350	0.197	ng	# 94
32) Benzoic acid	7.77	122	5619	0.545	ng	90
33) 4-Chloroaniline	8.10	127	1399	0.077	ng	# 45
36) 4-Chloro-3-methylphenol	8.79	107	113	0.008	ng	# 1
37) 2-Methylnaphthalene	8.79	142	4127	0.151	ng	93
38) 1-Methylnaphthalene	8.89	142	1985	0.075	ng	# 77
46) 1,1'-Biphenyl	9.25	154	7445	0.256	ng	94
47) 2-Chloronaphthalene	9.54	162	2157	0.097	ng	# 1
48) 2-Nitroaniline	9.42	65	124	0.017	ng	# 6
49) Acenaphthylene	9.69	152	6621	0.204	ng	98
50) Dimethylphthalate	9.55	163	275757	11.253	ng	96
51) 2,6-Dinitrotoluene	9.54	165	3161	0.582	ng	# 2

Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121218\
Data File : BF111334.D
Acq On : 12 Dec 2018 21:06
Operator : JU/SJ
Sample : J6331-19
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-4

Quant Time: Dec 13 01:22:08 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 12 13:16:52 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) Acenaphthene	9.86	154	2555	0.125	ng	#	88
53) 3-Nitroaniline	9.93	138	107	0.016	ng	#	1
55) Dibenzofuran	10.03	168	5842	0.197	ng	#	84
56) 4-Nitrophenol	10.03	139	2308	0.491	ng	#	21
57) 2,4-Dinitrotoluene	9.83	165	44997	6.463	ng	#	24
58) Fluorene	10.37	166	4810	0.227	ng	#	94
60) Diethylphthalate	10.24	149	12525	0.508	ng		94
62) 4-Nitroaniline	10.38	138	152	0.024	ng	#	23
63) Azobenzene	10.54	77	813	0.033	ng	#	1
65) 4,6-Dinitro-2-methylphenol	10.62	198	772	0.250	ng	#	1
66) n-Nitrosodiphenylamine	10.62	169	15273	0.798	ng	#	46
67) 4-Bromophenyl-phenylether	10.62	248	25870	4.320	ng	#	1
70) Pentachlorophenol	11.12	266	1061	0.259	ng		93
71) Phenanthrene	11.33	178	103492	3.722	ng		94
72) Anthracene	11.39	178	20233	0.715	ng		94
73) Carbazole	11.54	167	14822	0.506	ng		96
74) Di-n-butylphthalate	11.87	149	15946	0.478	ng		97
75) Fluoranthene	12.52	202	179433	6.610	ng		99
77) Benzidine	12.90	184	22599	2.869	ng	#	96
78) Pyrene	12.75	202	146996	4.563	ng		96
80) Butylbenzylphthalate	13.37	149	3492	0.226	ng		96
81) Benzo(a)anthracene	13.94	228	64673	2.769	ng		98
82) 3,3'-Dichlorobenzidine	13.90	252	727	0.082	ng	#	24
83) Chrysene	13.97	228	62318	2.615	ng		94
84) Bis(2-ethylhexyl)phthalate	13.94	149	17391	0.920	ng	#	93
85) Di-n-octyl phthalate	14.55	149	761	0.025	ng	#	69
86) Indeno(1,2,3-cd)pyrene	16.79	276	26061	1.398	ng	#	90
88) Benzo(b)fluoranthene	14.97	252	84431	4.622	ng	#	86
89) Benzo(k)fluoranthene	14.97	252	84431	4.630	ng	#	86
90) Benzo(a)pyrene	15.32	252	43903	2.581	ng	#	84
91) Dibenzo(a,h)anthracene	16.80	278	7335	0.518	ng	#	11
92) Benzo(g,h,i)perylene	17.22	276	24779	1.751	ng	#	83

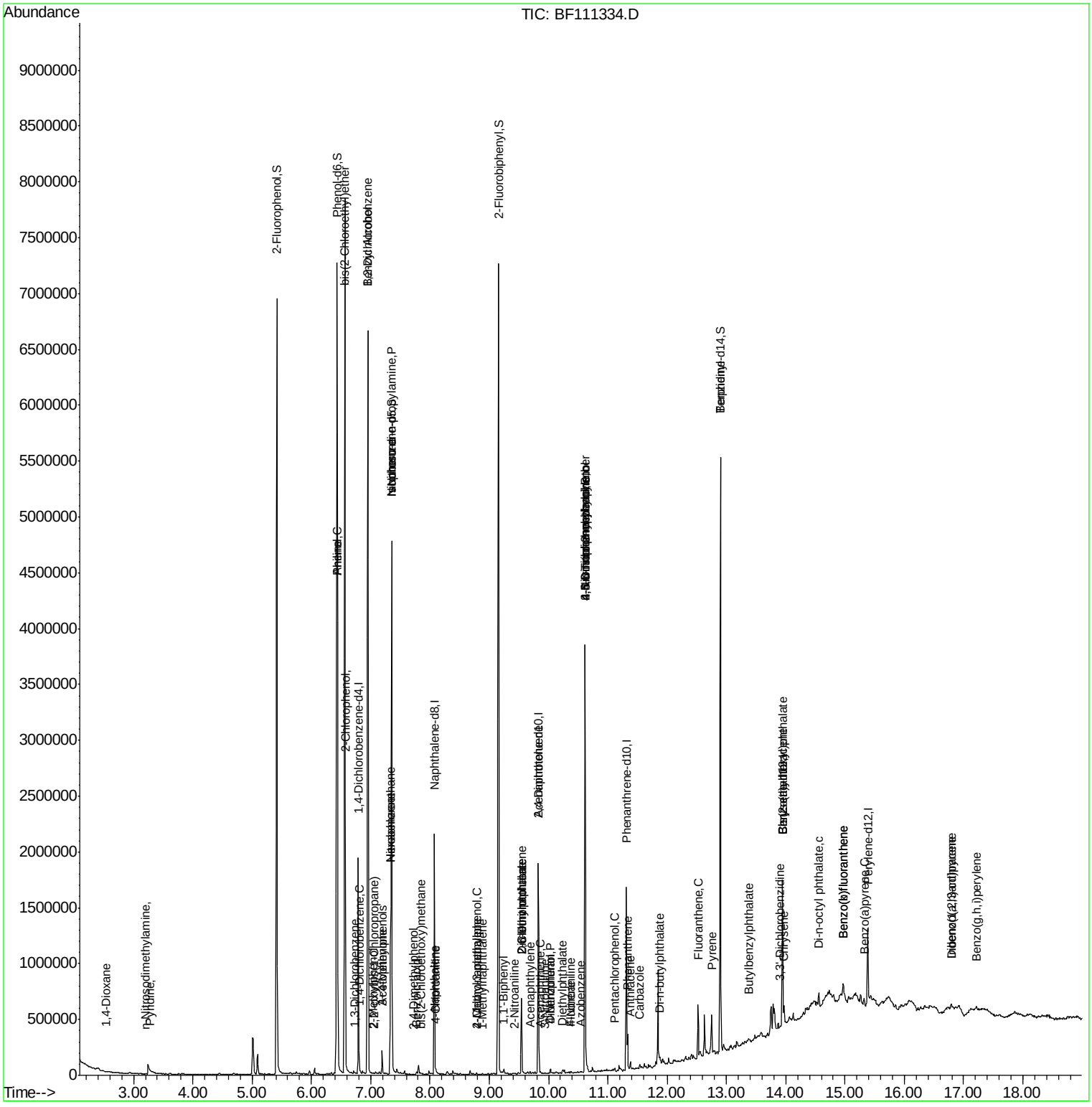
(#) = qualifier out of range (m) = manual integration (+) = signals summed

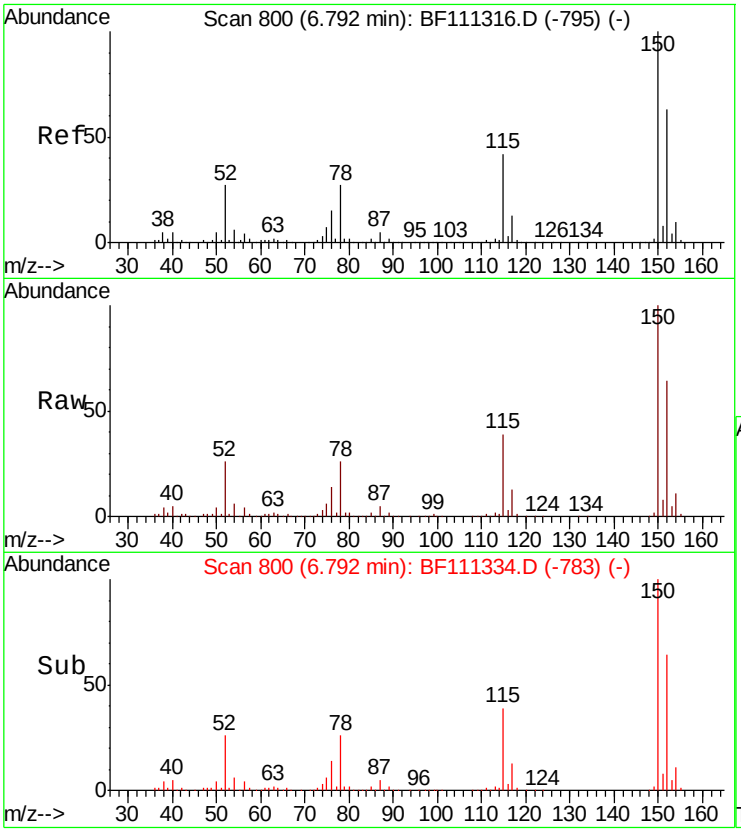
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121218\
Data File : BF111334.D
Acq On : 12 Dec 2018 21:06
Operator : JU/SJ
Sample : J6331-19
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-4

Quant Time: Dec 13 01:22:08 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 12 13:16:52 2018
Response via : Initial Calibration



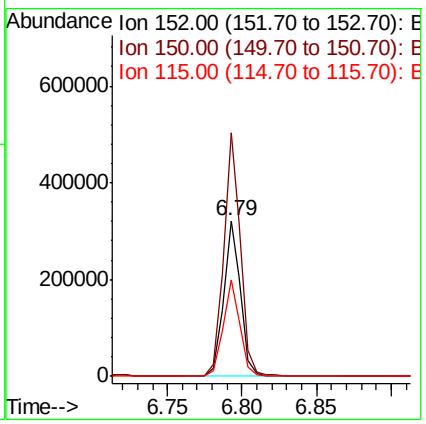


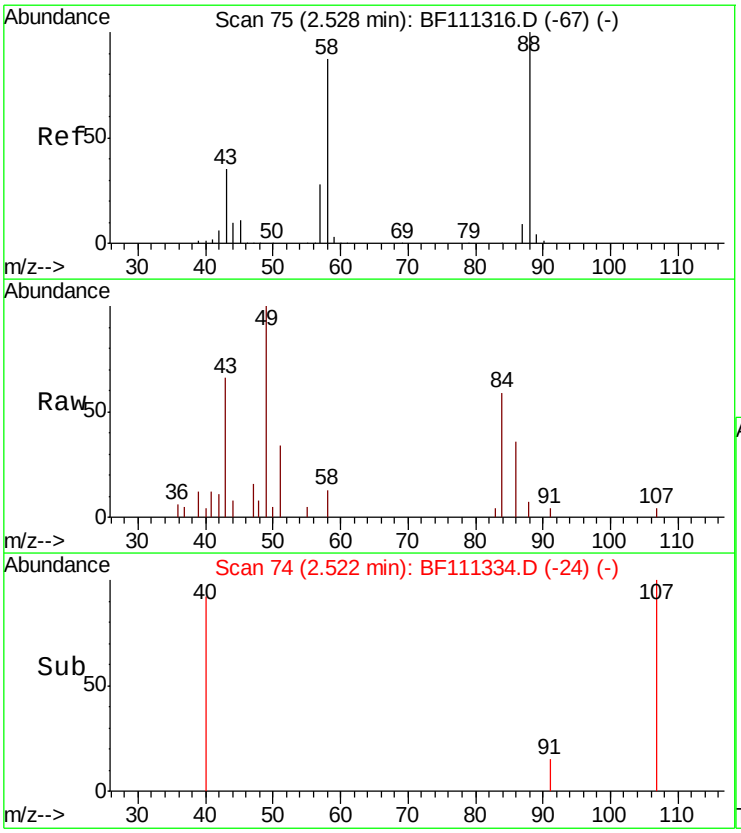
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:152 Resp: 256968

Ion	Ratio	Lower	Upper
152	100		
150	156.8	126.6	189.8
115	61.9	50.7	76.1

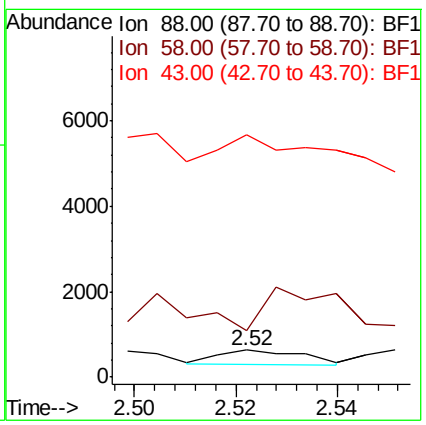


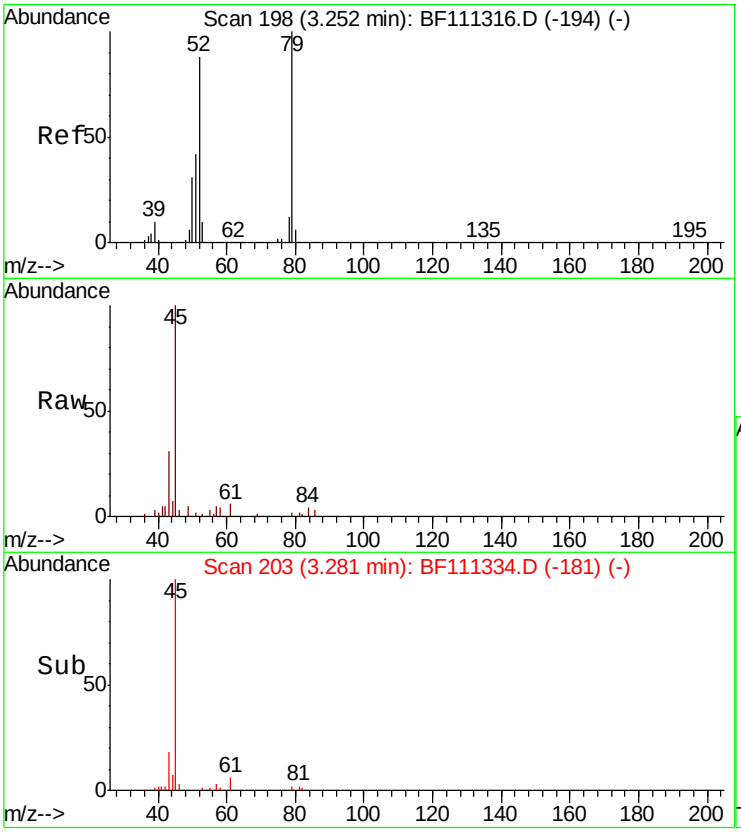


#2
1,4-Dioxane
Concen: 0.053 ng
RT: 2.52 min Scan# 74
Delta R.T. -0.01 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Tgt Ion: 88 Resp: 405

Ion	Ratio	Lower	Upper
88	100		
58	248.1	68.9	103.3#
43	0.0	25.8	38.6#



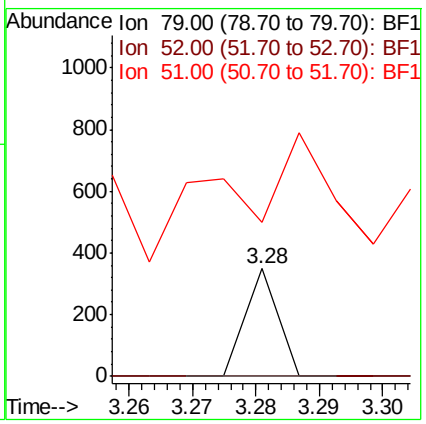


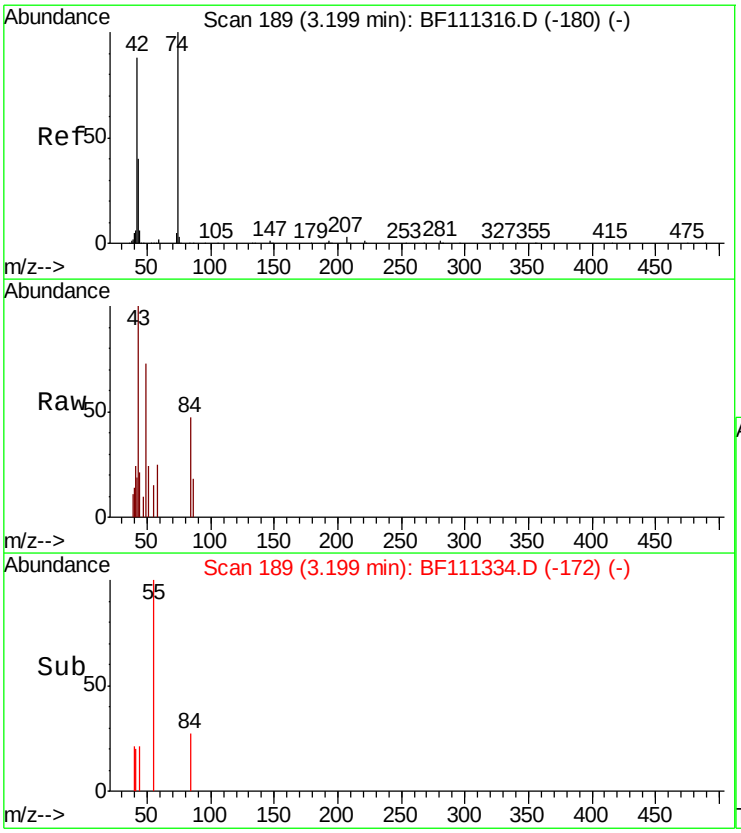
#3
Pyridine
Concen: 0.007 ng
RT: 3.28 min Scan# 203
Delta R.T. 0.03 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion: 79 Resp: 123

Ion	Ratio	Lower	Upper
79	100		
52	0.0	68.3	102.5#
51	143.6	32.6	49.0#

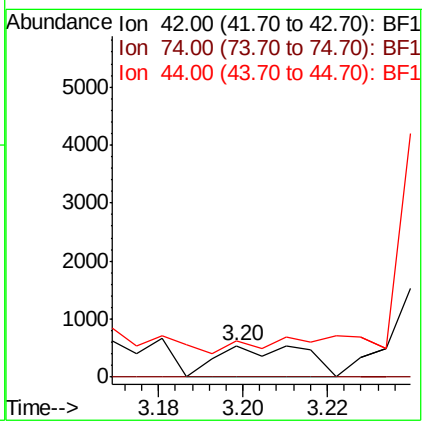


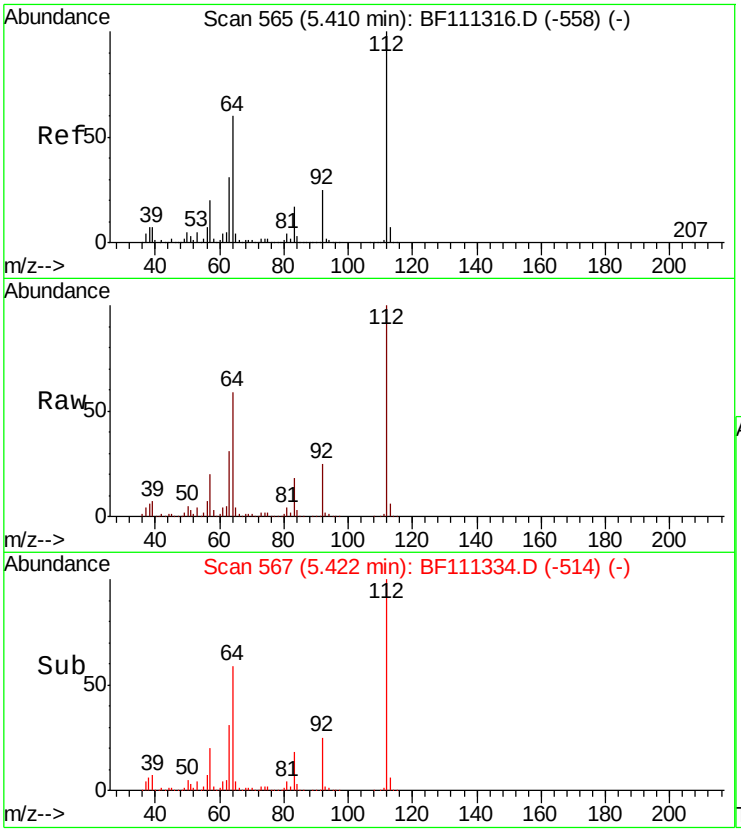


#4
n-Nitrosodimethylamine
Concen: 0.090 ng
RT: 3.20 min Scan# 189
Delta R.T. -0.00 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Tgt Ion: 42 Resp: 781

Ion	Ratio	Lower	Upper
42	100		
74	0.0	101.5	152.3#
44	113.9	6.0	9.0#



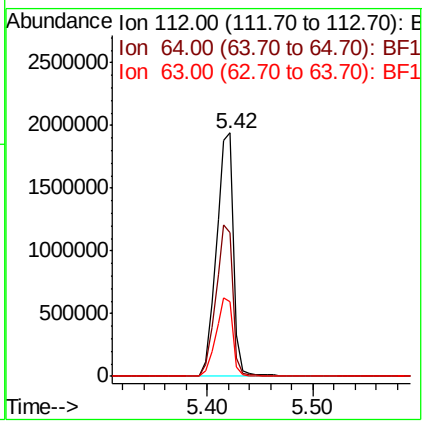


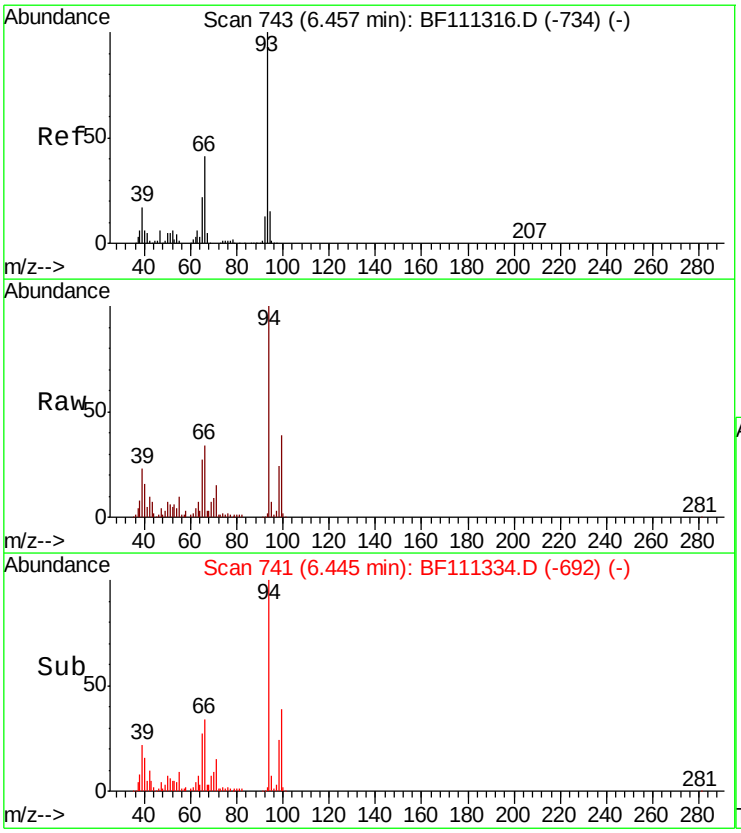
#5
2-Fluorophenol
Concen: 145.560 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:112 Resp: 2211920

Ion	Ratio	Lower	Upper
112	100		
64	58.8	51.8	77.6
63	30.9	26.8	40.2

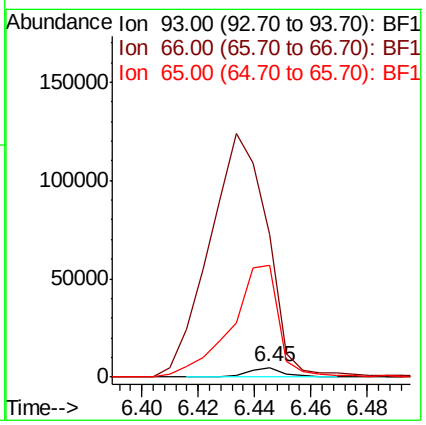


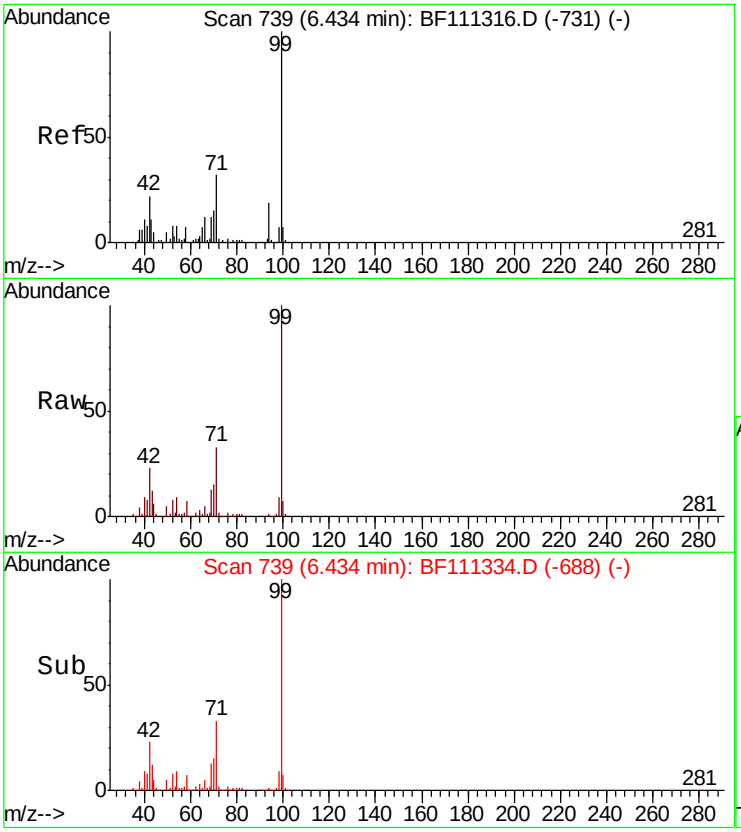


#6
Aniline
Concen: 0.157 ng
RT: 6.45 min Scan# 741
Delta R.T. -0.01 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Tgt Ion: 93 Resp: 3899

Ion	Ratio	Lower	Upper
93	100		
66	1478.7	33.2	49.8#
65	1166.2	17.0	25.4#



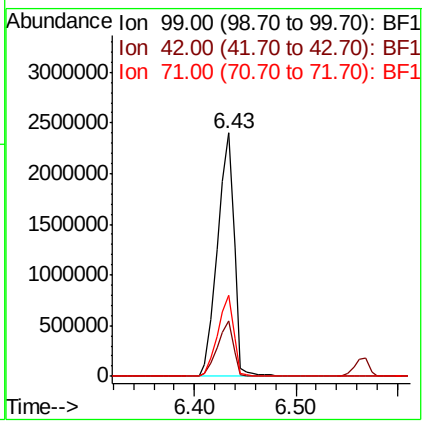


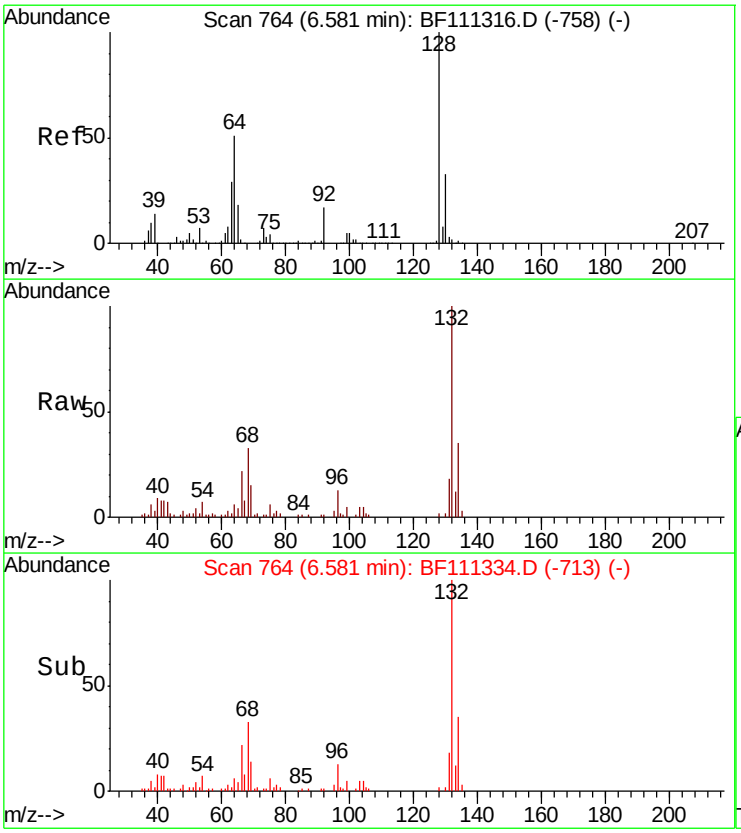
#7
Phenol-d6
Concen: 134.164 ng
RT: 6.43 min Scan# 739
Delta R.T. -0.00 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion: 99 Resp: 2748790

Ion	Ratio	Lower	Upper
99	100		
42	22.6	17.4	26.0
71	33.4	26.1	39.1

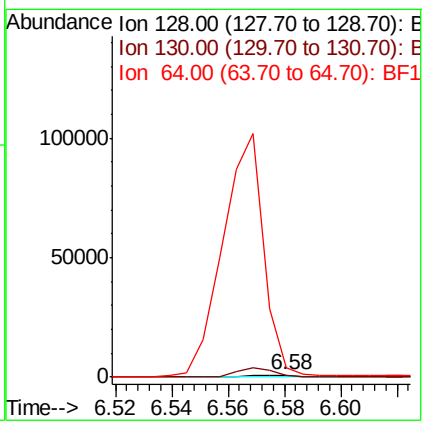


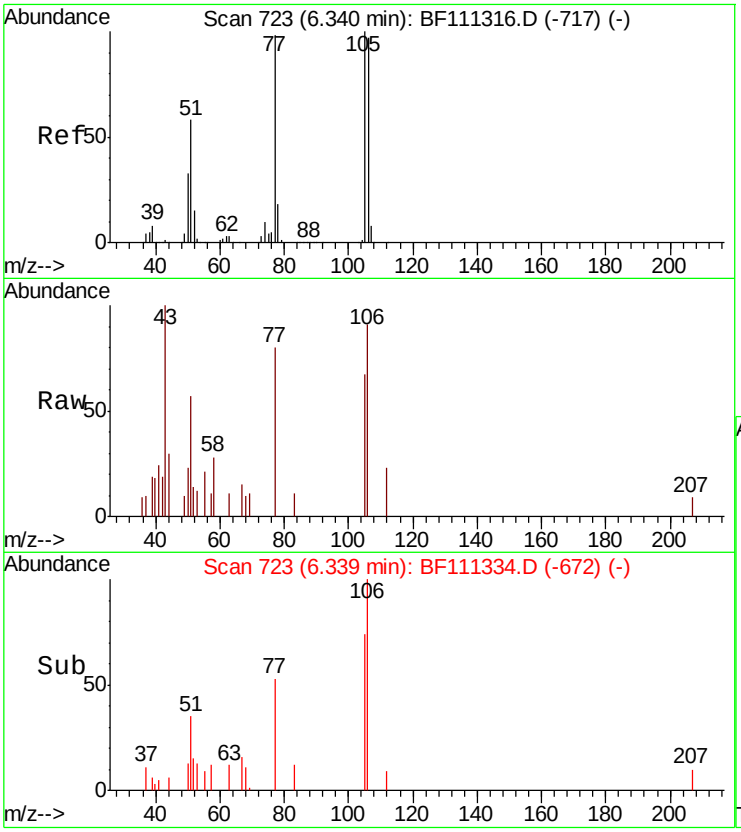


#8
2-Chlorophenol
Concen: 0.068 ng
RT: 6.58 min Scan# 764
Delta R.T. -0.00 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Tgt Ion:128 Resp: 1278

Ion	Ratio	Lower	Upper
128	100		
130	106.6	12.7	52.7#
64	407.4	30.0	70.0#



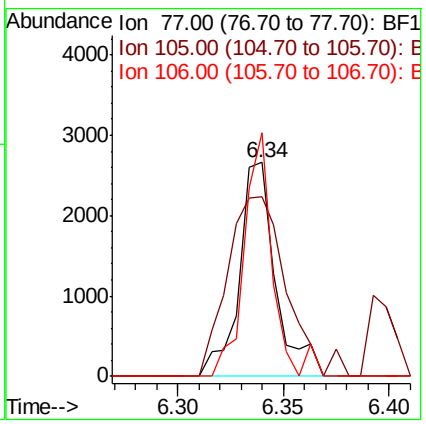


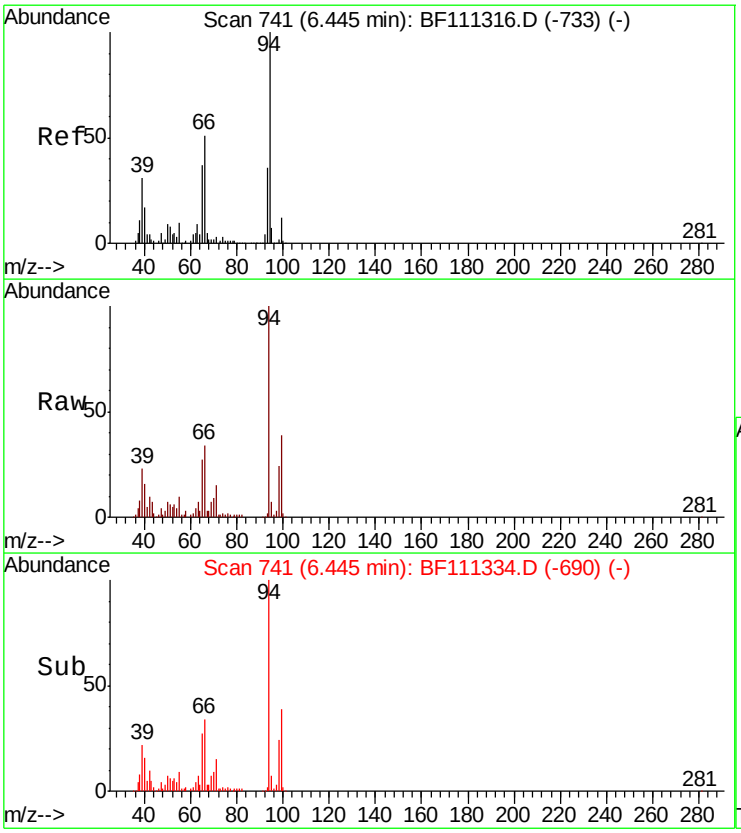
#9
Benzaldehyde
Concen: Below Cal
RT: 6.34 min Scan# 723
Delta R.T. 0.00 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion: 77 Resp: 3203

Ion	Ratio	Lower	Upper
77	100		
105	84.2	81.4	121.4
106	113.9	77.9	117.9

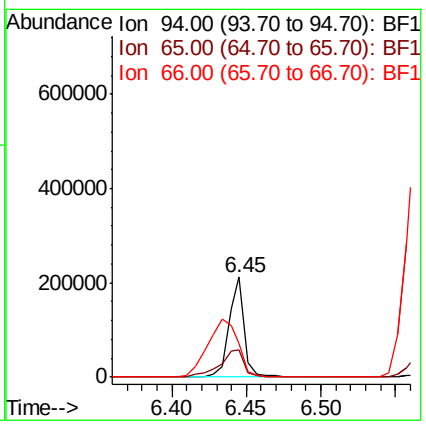


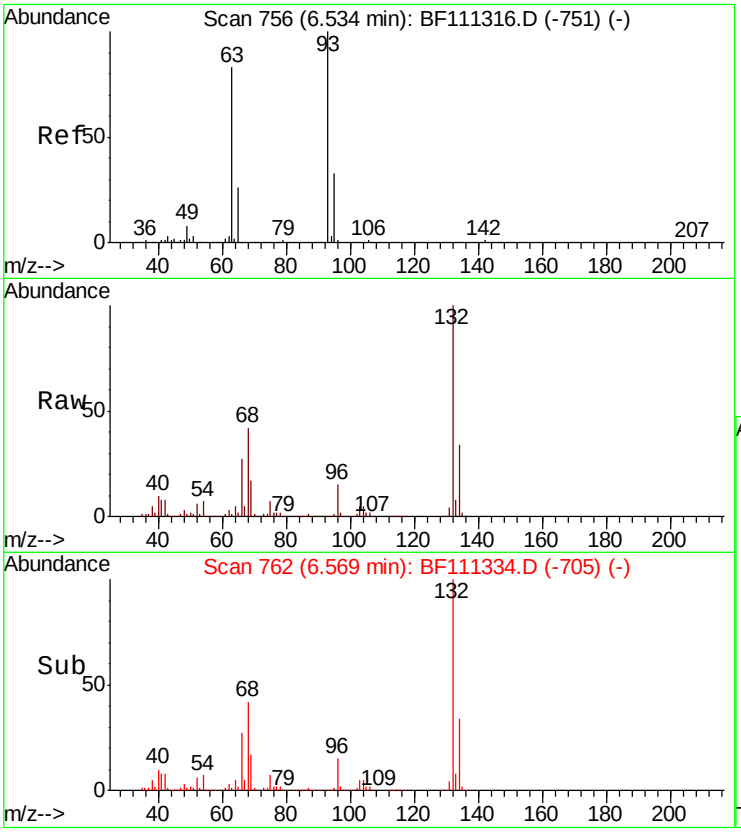


#10
Phenol
Concen: 6.637 ng
RT: 6.45 min Scan# 741
Delta R.T. -0.00 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Tgt Ion: 94 Resp: 154046

Ion	Ratio	Lower	Upper
94	100		
65	26.9	11.7	51.7
66	34.1	21.0	61.0



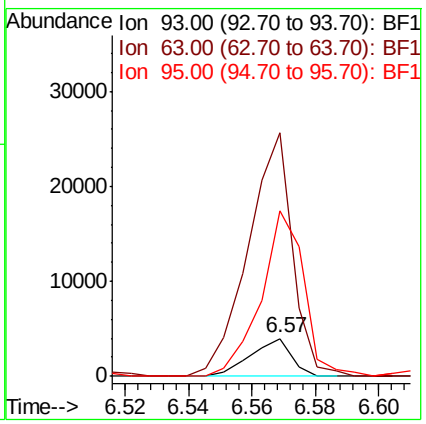


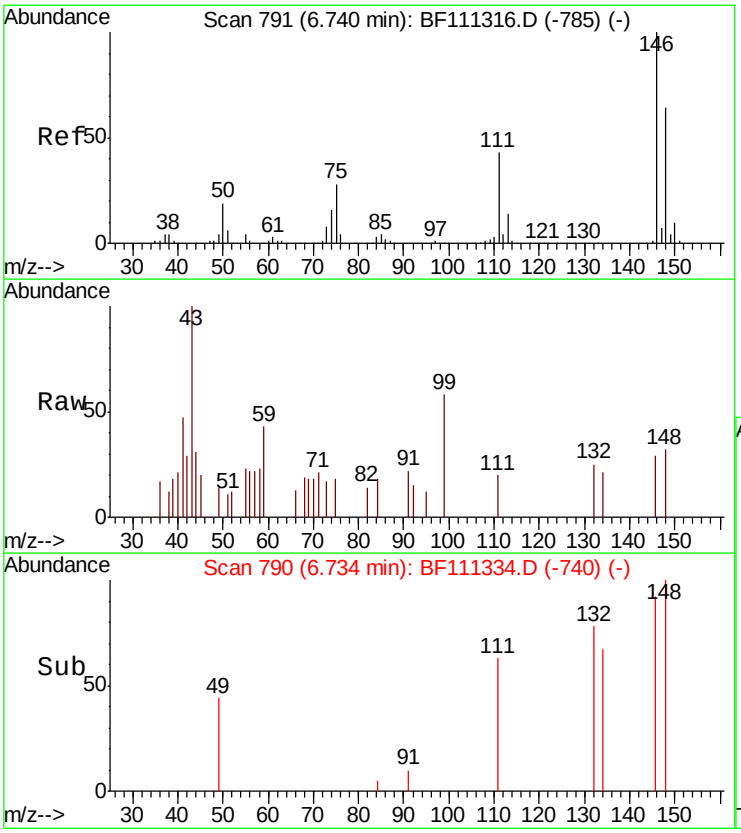
#11
bis(2-Chloroethyl)ether
Concen: 0.194 ng
RT: 6.57 min Scan# 762
Delta R.T. 0.04 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion: 93 Resp: 3539

Ion	Ratio	Lower	Upper
93	100		
63	645.4	60.0	100.0#
95	439.2	13.4	53.4#

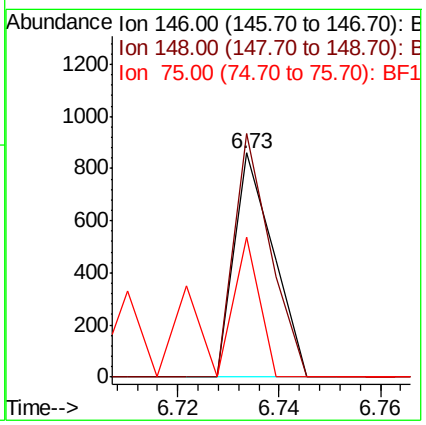


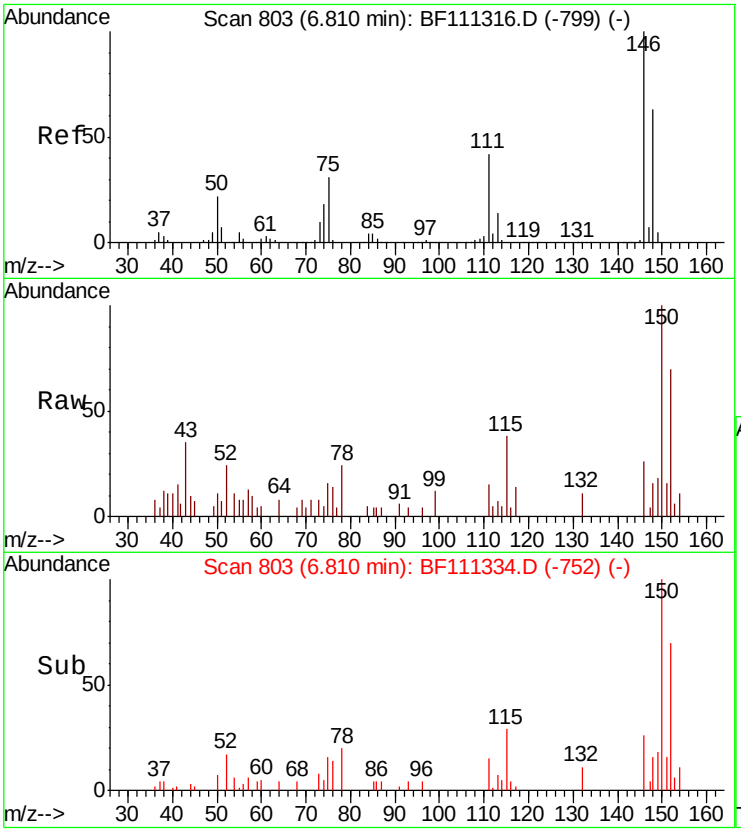


#12
1,3-Dichlorobenzene
Concen: 0.023 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.01 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Tgt Ion:146 Resp: 463

Ion	Ratio	Lower	Upper
146	100		
148	108.6	52.1	78.1#
75	62.6	23.9	35.9#



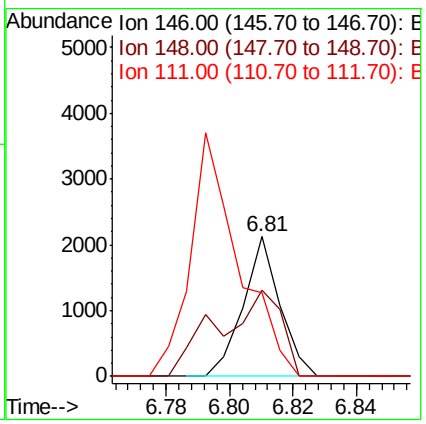


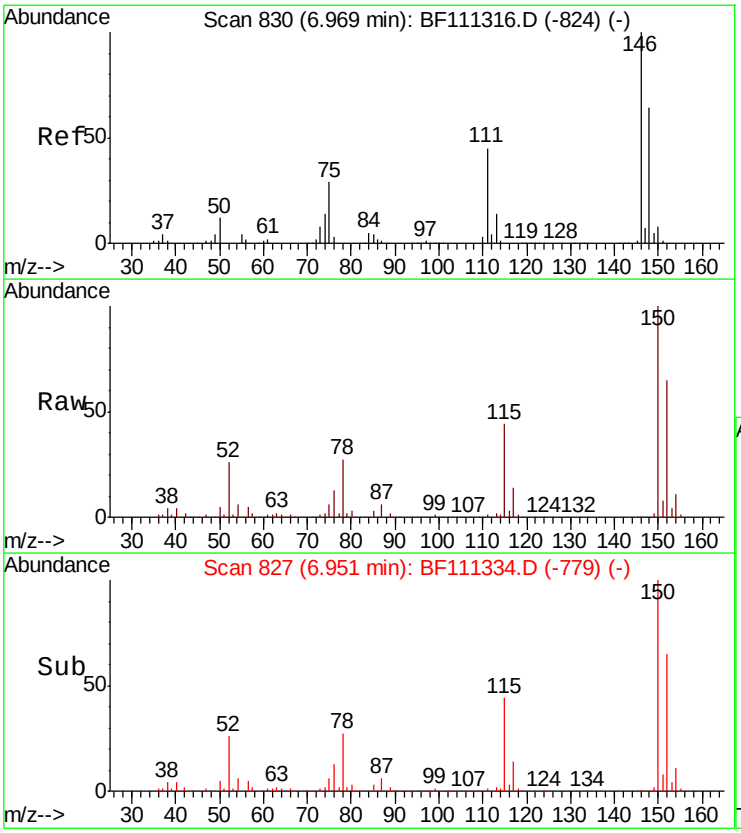
#13
1,4-Dichlorobenzene
Concen: 0.084 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:146 Resp: 1714

Ion	Ratio	Lower	Upper
146	100		
148	61.7	52.8	79.2
111	59.5	33.4	50.0#

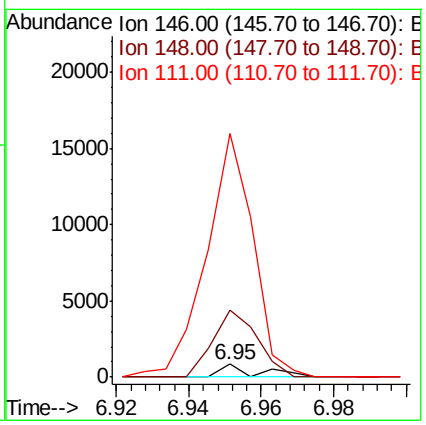


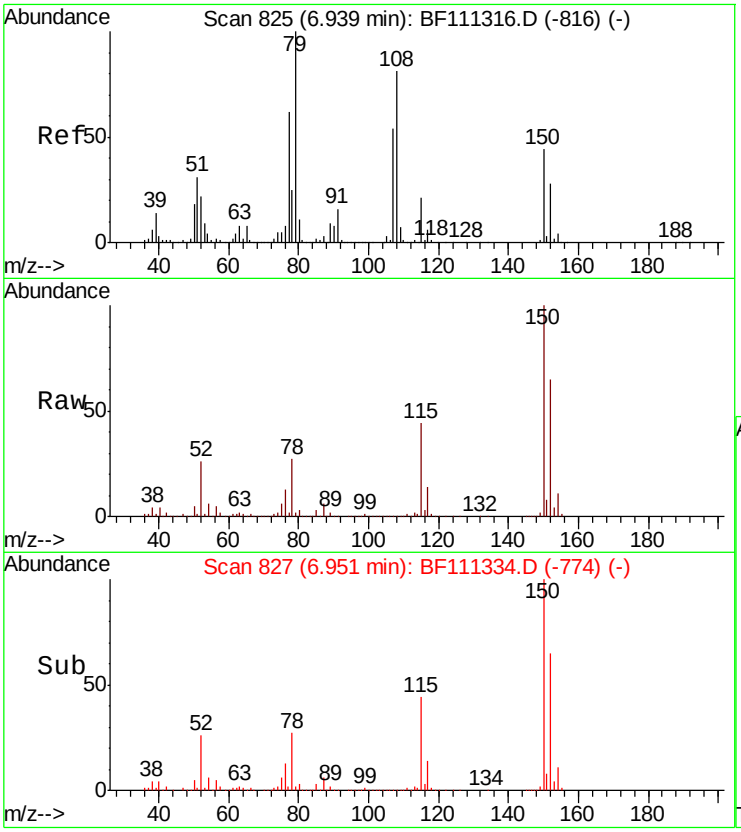


#14
1,2-Dichlorobenzene
Concen: 0.031 ng
RT: 6.95 min Scan# 827
Delta R.T. -0.02 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Tgt Ion:146 Resp: 591

Ion	Ratio	Lower	Upper
146	100		
148	512.8	51.9	77.9#
111	1876.9	36.2	54.4#



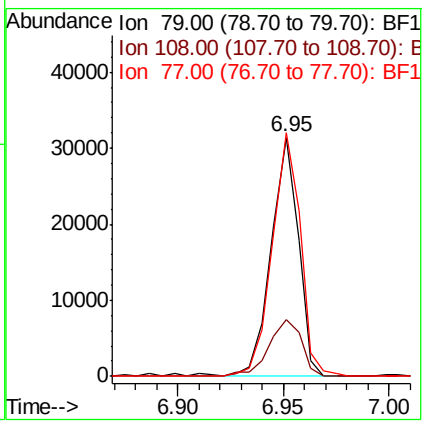


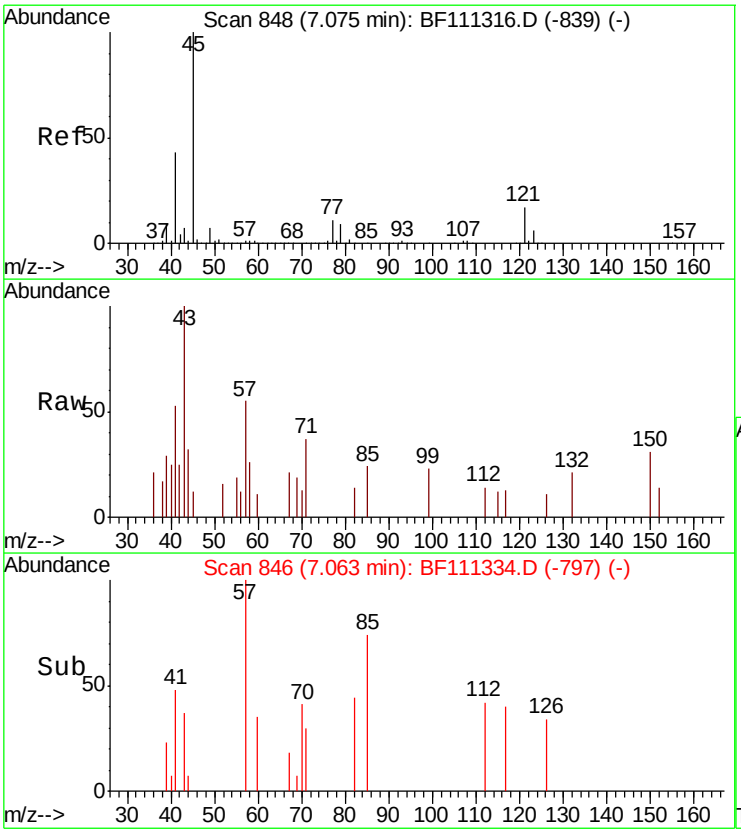
#15
Benzyl Alcohol
Concen: 1.809 ng
RT: 6.95 min Scan# 827
Delta R.T. 0.01 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion: 79 Resp: 28378

Ion	Ratio	Lower	Upper
79	100		
108	23.7	69.4	104.2#
77	101.9	49.7	74.5#

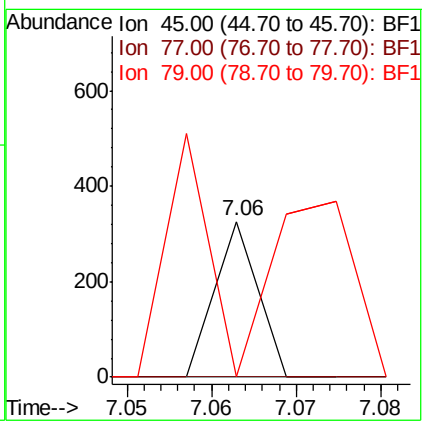


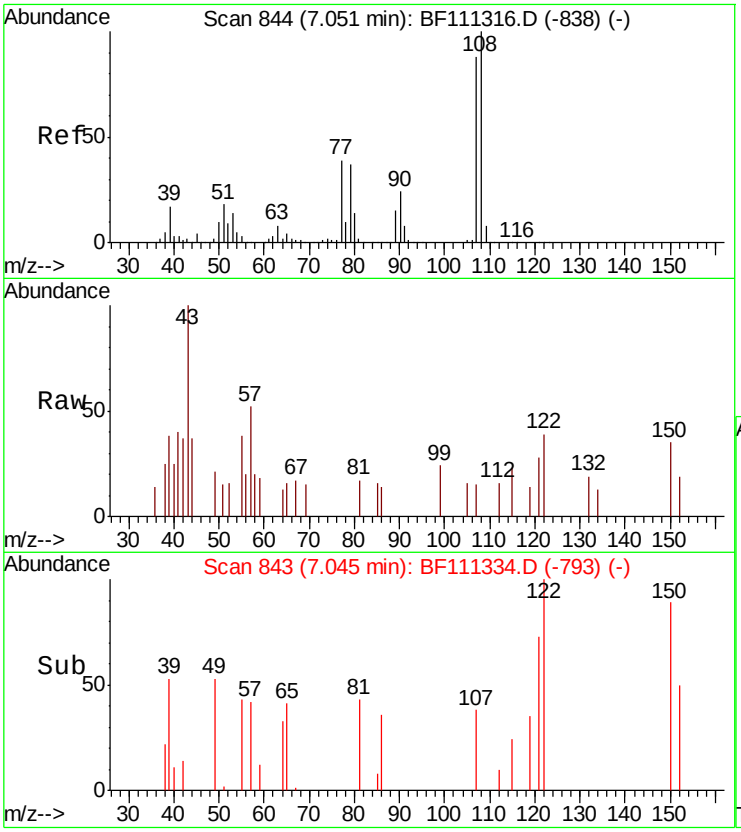


#16
2,2'-oxybis(1-Chloropropane)
Concen: 0.003 ng
RT: 7.06 min Scan# 846
Delta R.T. -0.01 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Tgt Ion: 45 Resp: 115

Ion	Ratio	Lower	Upper
45	100		
77	0.0	0.0	31.5
79	0.0	0.0	28.9



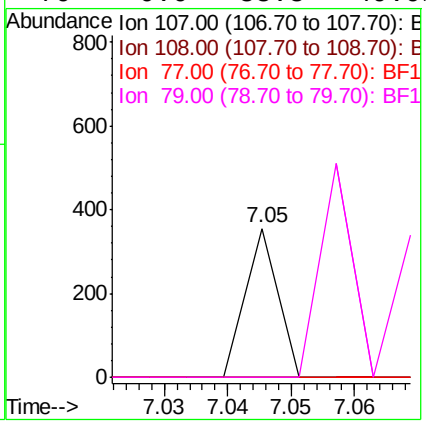


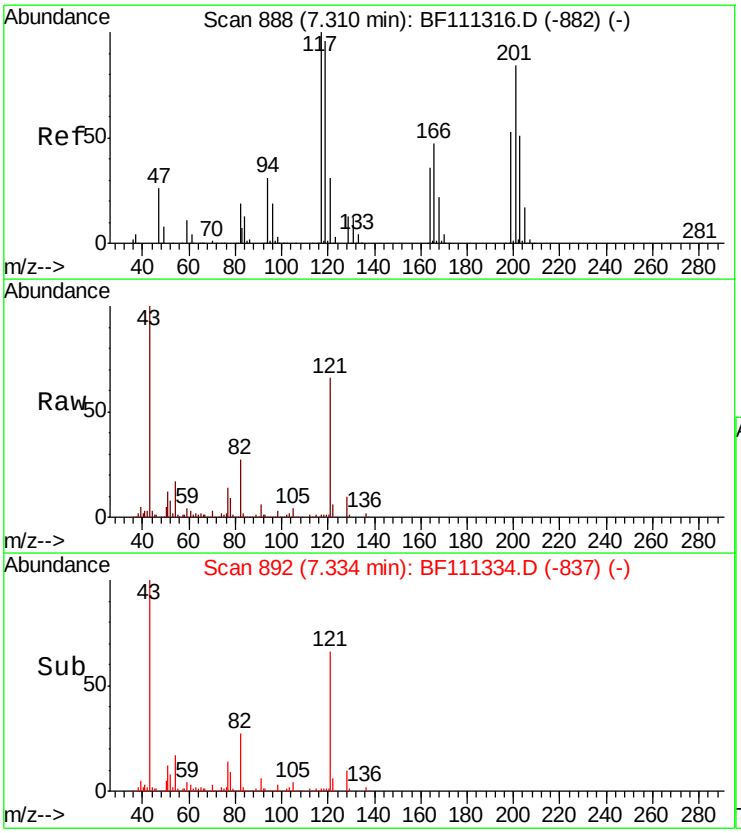
#17
2-Methylphenol
Concen: 0.008 ng
RT: 7.05 min Scan# 843
Delta R.T. -0.01 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:107 Resp: 126

Ion	Ratio	Lower	Upper
107	100		
108	0.0	91.0	136.4#
77	0.0	33.5	50.3#
79	0.0	33.3	49.9#

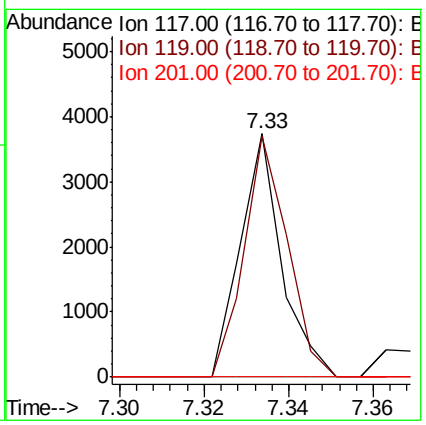


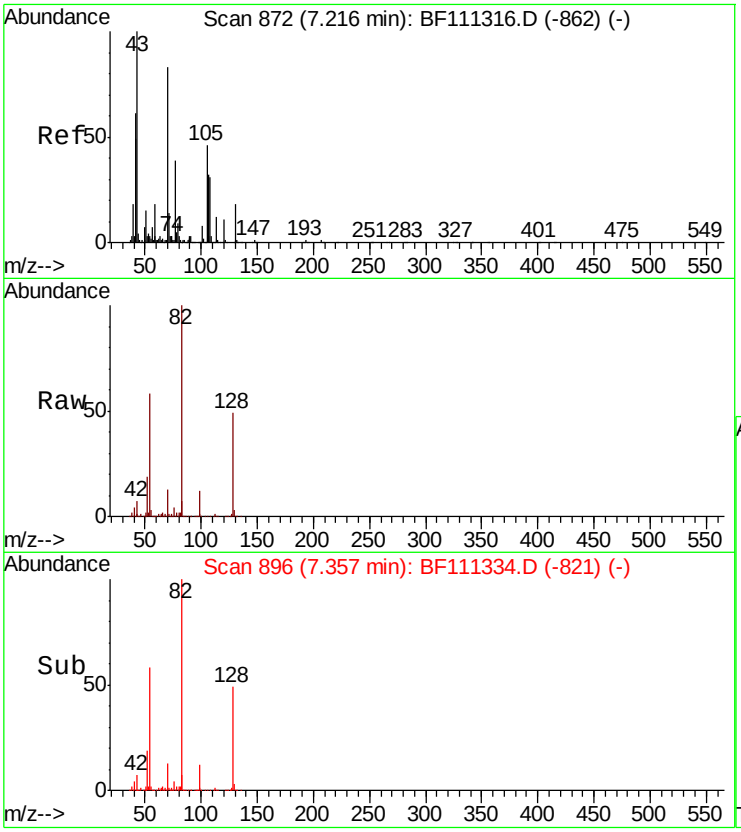


#18
Hexachloroethane
Concen: 0.334 ng
RT: 7.33 min Scan# 892
Delta R.T. 0.02 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Tgt Ion:117 Resp: 2535

Ion	Ratio	Lower	Upper
117	100		
119	98.9	75.4	113.0
201	0.0	62.4	93.6#



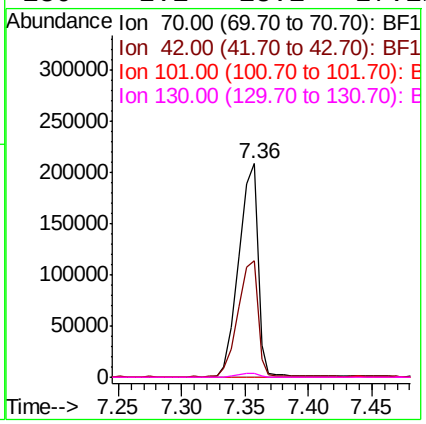


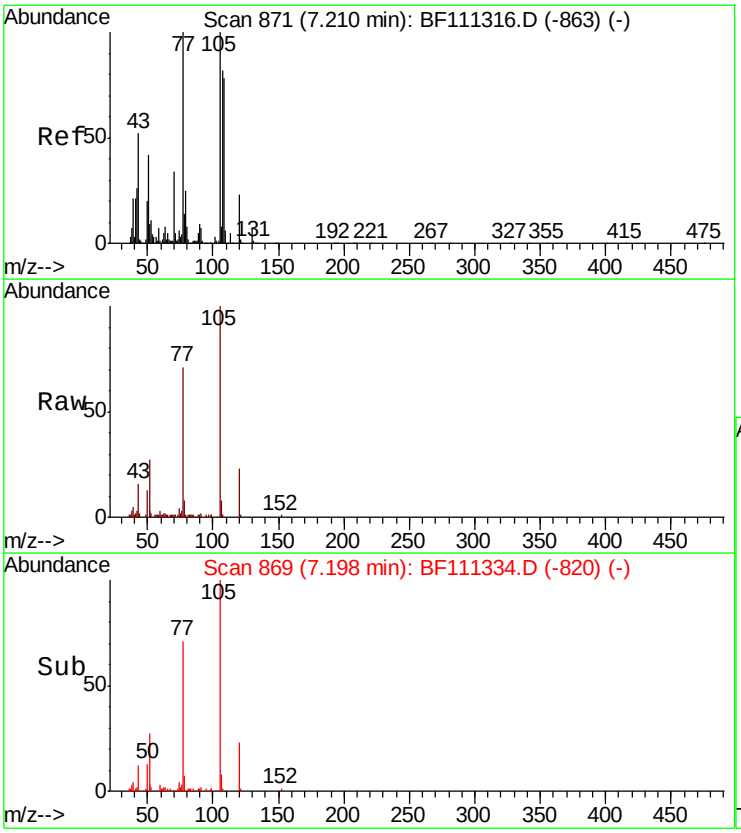
#19
n-Nitroso-di-n-propylamine
Concen: 16.137 ng
RT: 7.36 min Scan# 896
Delta R.T. 0.14 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion: 70 Resp: 219702

Ion	Ratio	Lower	Upper
70	100		
42	54.6	53.2	79.8
101	0.0	8.2	12.4#
130	2.1	18.1	27.1#

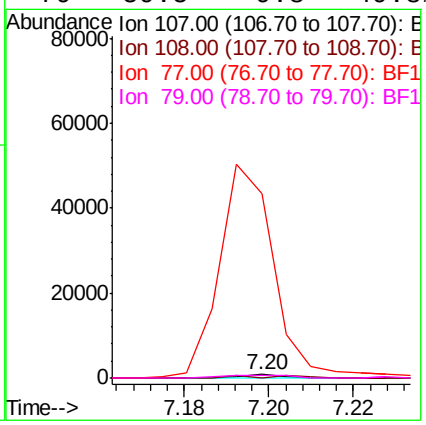


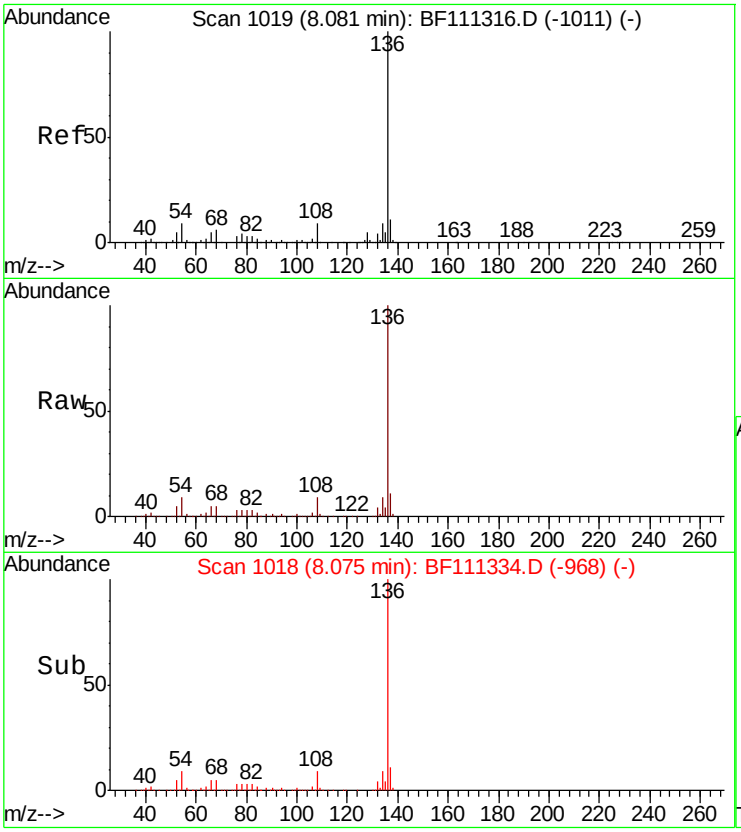


#20
3+4-Methylphenols
Concen: 0.032 ng
RT: 7.20 min Scan# 869
Delta R.T. -0.01 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Tgt Ion:107 Resp: 584

Ion	Ratio	Lower	Upper
107	100		
108	0.0	72.1	112.1#
77	5105.9	94.1	134.1#
79	59.5	9.8	49.8#



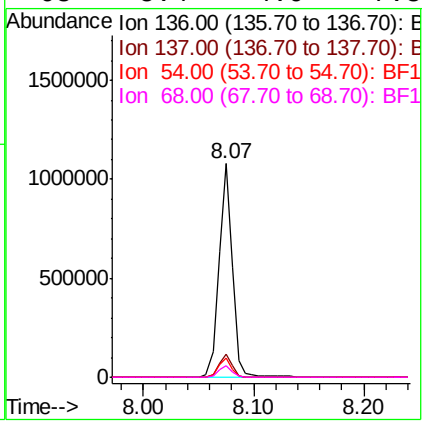


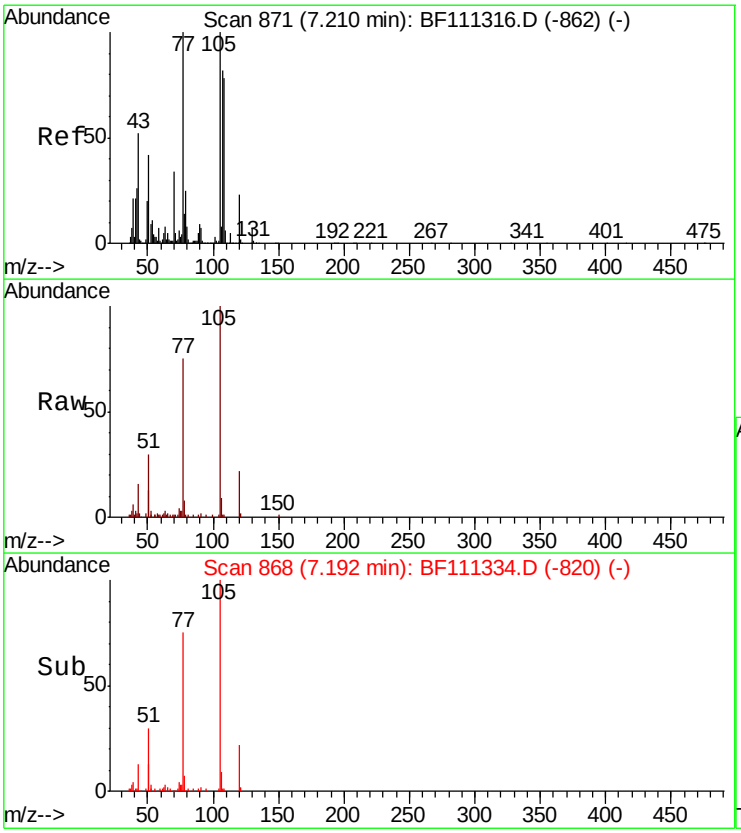
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:136 Resp: 908813

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	9.3	7.7	11.5
68	5.4	4.9	7.3

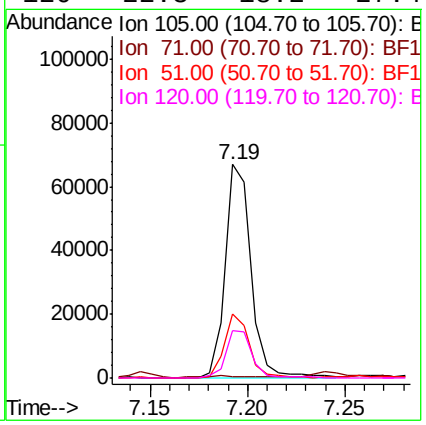


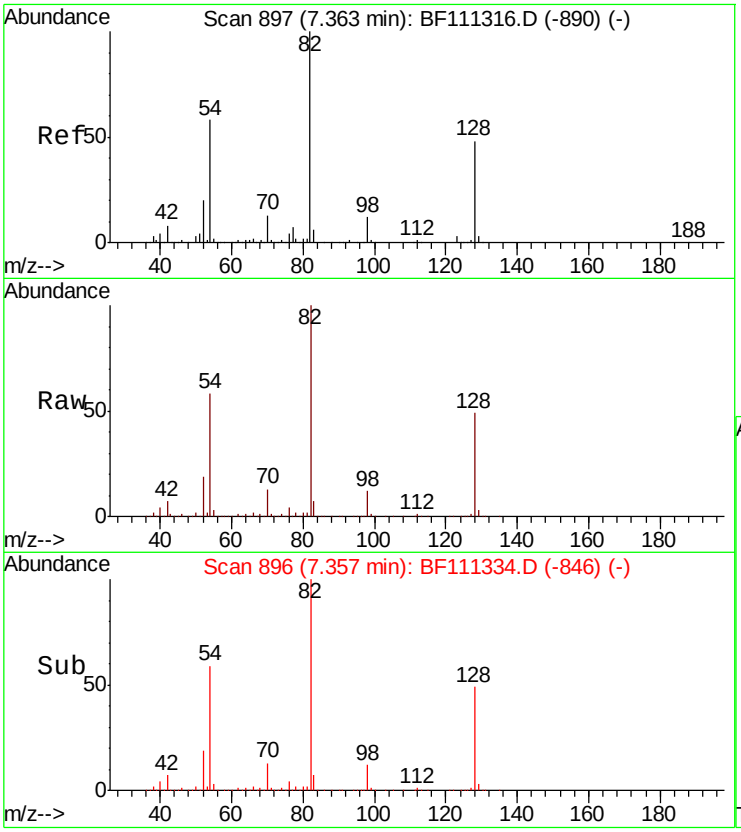


#22
Acetophenone
Concen: 2.928 ng
RT: 7.19 min Scan# 868
Delta R.T. -0.02 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Tgt Ion:105 Resp: 61801

Ion	Ratio	Lower	Upper
105	100		
71	0.9	3.1	4.7#
51	29.7	36.6	54.8#
120	22.3	18.2	27.4



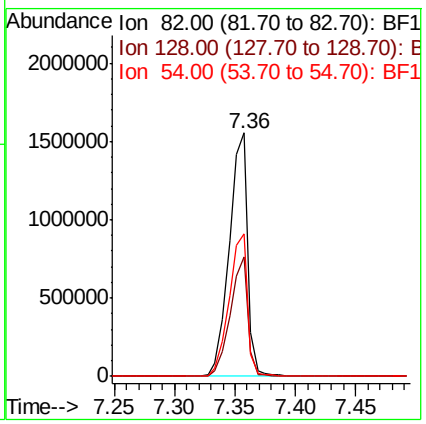


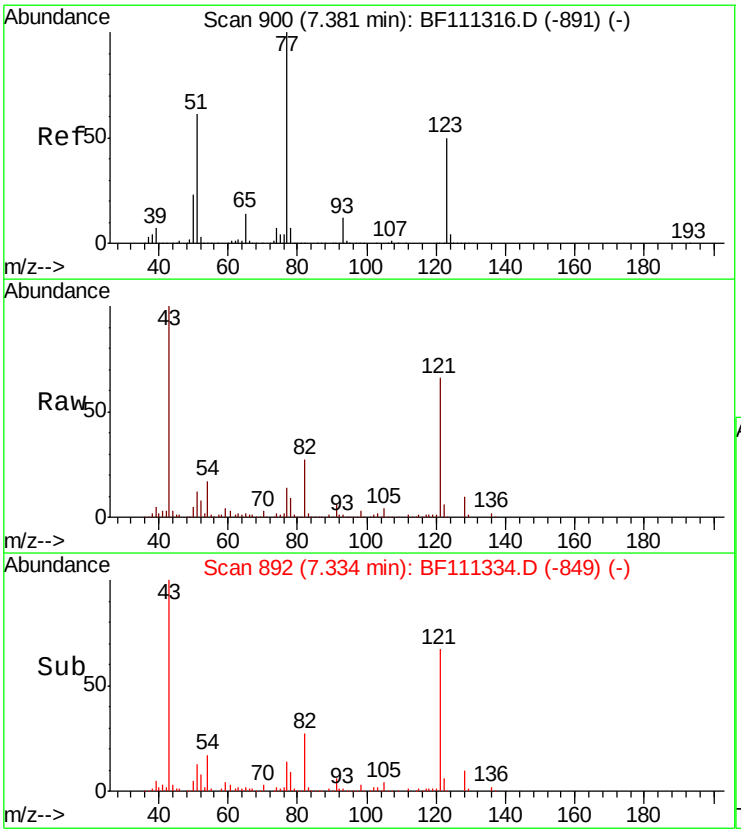
#23
Nitrobenzene-d5
Concen: 102.486 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion: 82 Resp: 1652505

Ion	Ratio	Lower	Upper
82	100		
128	48.9	37.4	56.2
54	58.5	47.6	71.4

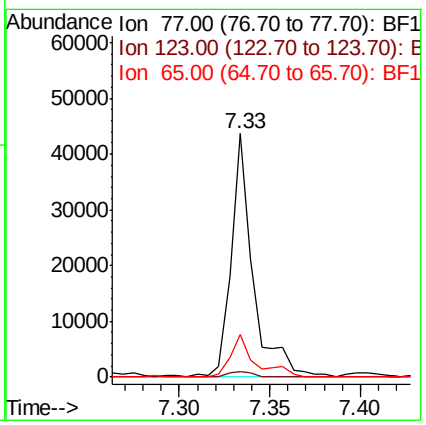


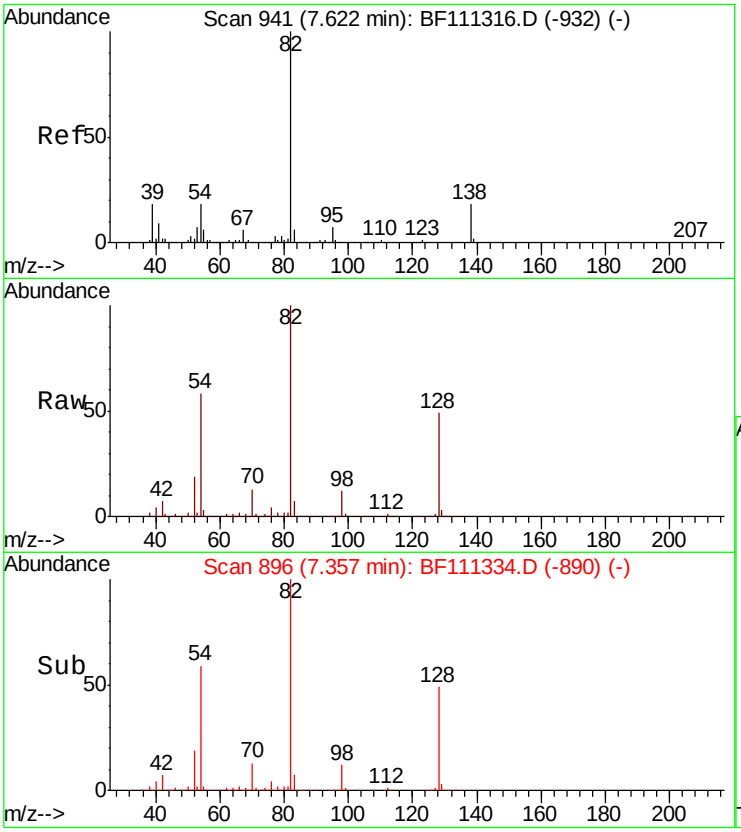


#24
Nitrobenzene
Concen: 2.227 ng
RT: 7.33 min Scan# 892
Delta R.T. -0.05 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Tgt Ion: 77 Resp: 36984

Ion	Ratio	Lower	Upper
77	100		
123	2.1	37.2	55.8#
65	17.3	11.5	17.3#



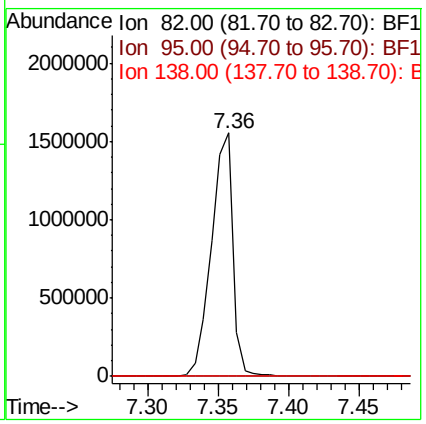


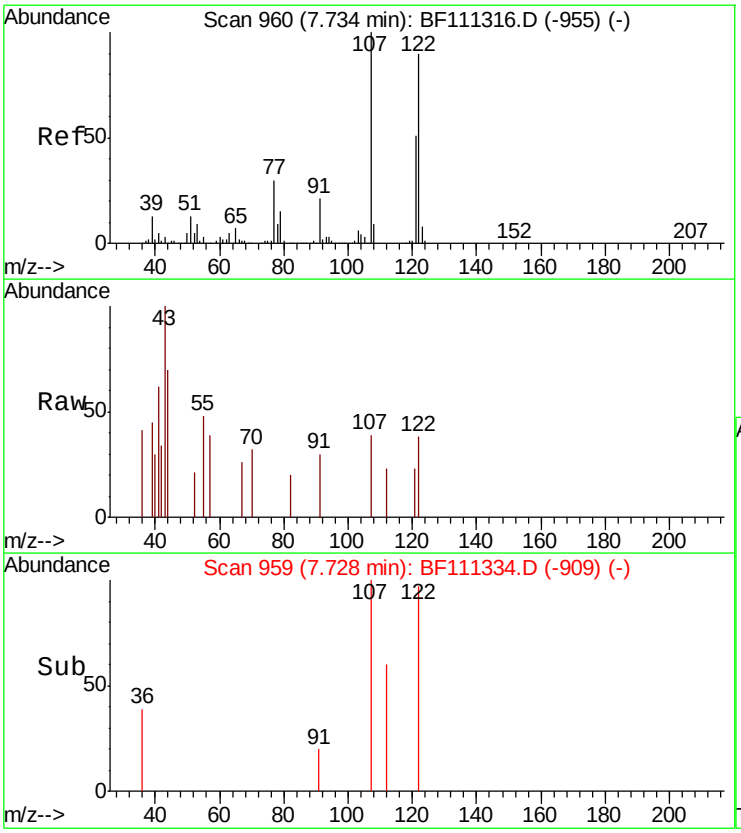
#25
Isophorone
Concen: 59.547 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.26 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion: 82 Resp: 1630939

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.4	8.2#
138	0.0	15.1	22.7#

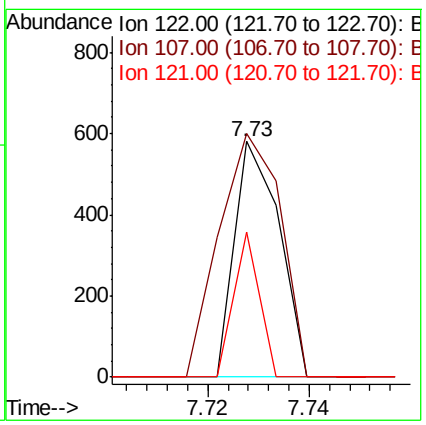


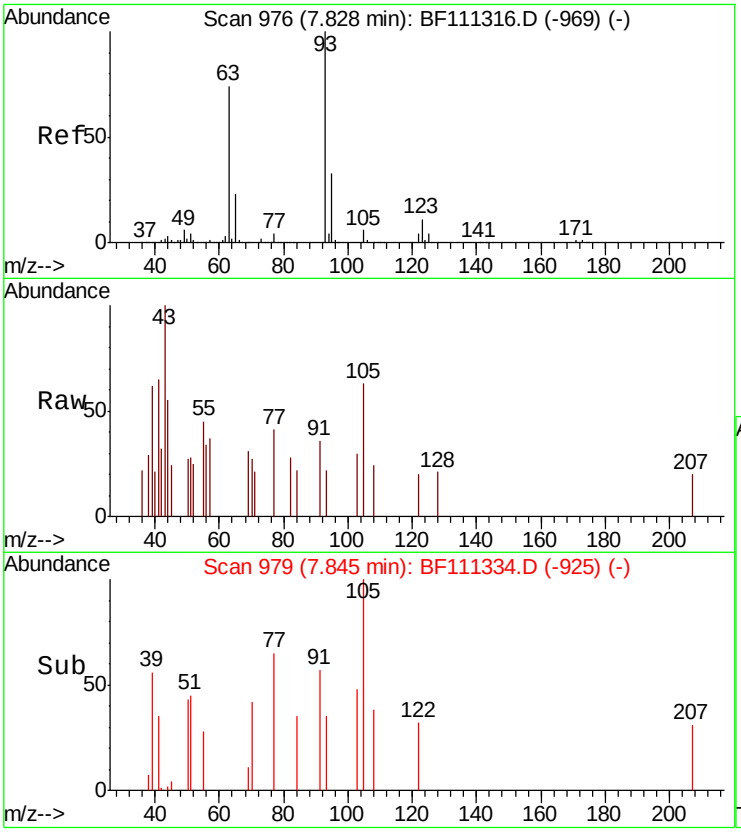


#27
2,4-Dimethylphenol
Concen: 0.029 ng
RT: 7.73 min Scan# 959
Delta R.T. -0.01 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Tgt Ion:122 Resp: 355

Ion	Ratio	Lower	Upper
122	100		
107	103.3	85.5	128.3
121	61.4	46.6	70.0



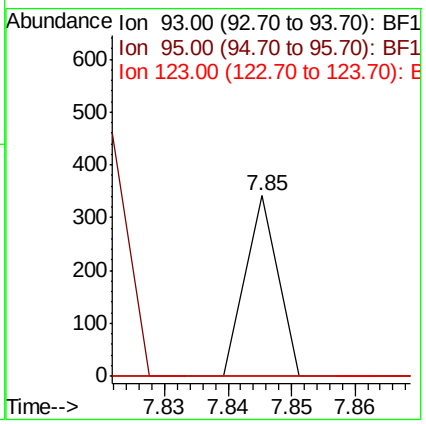


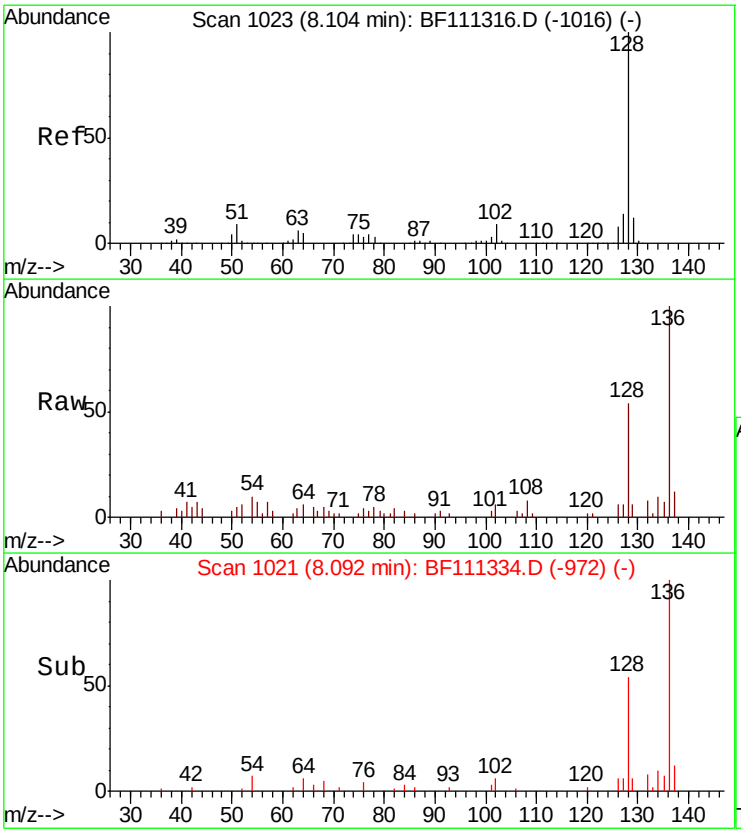
#28
bis(2-Chloroethoxy)methane
Concen: 0.006 ng
RT: 7.85 min Scan# 979
Delta R.T. 0.02 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion: 93 Resp: 121

Ion	Ratio	Lower	Upper
93	100		
95	0.0	27.1	40.7#
123	0.0	9.9	14.9#

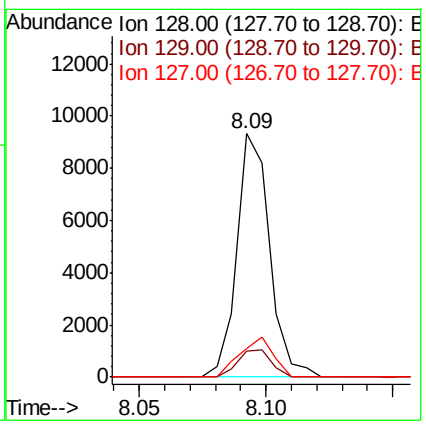


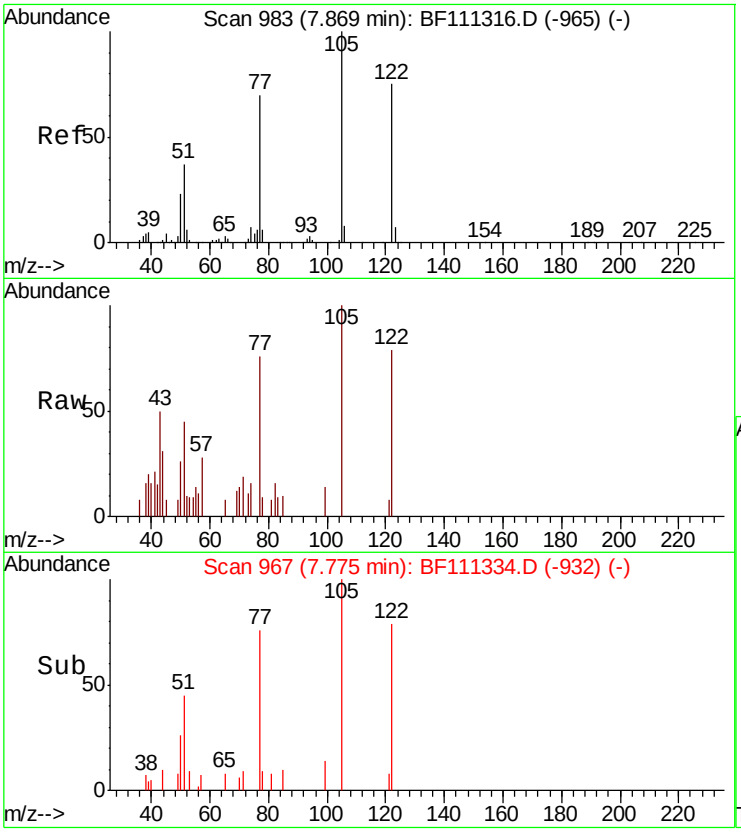


#31
Naphthalene
Concen: 0.197 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Tgt Ion:128 Resp: 8350

Ion	Ratio	Lower	Upper
128	100		
129	10.5	9.8	14.8
127	11.8	12.0	18.0#



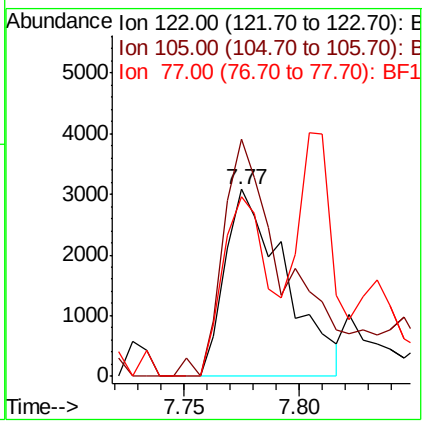


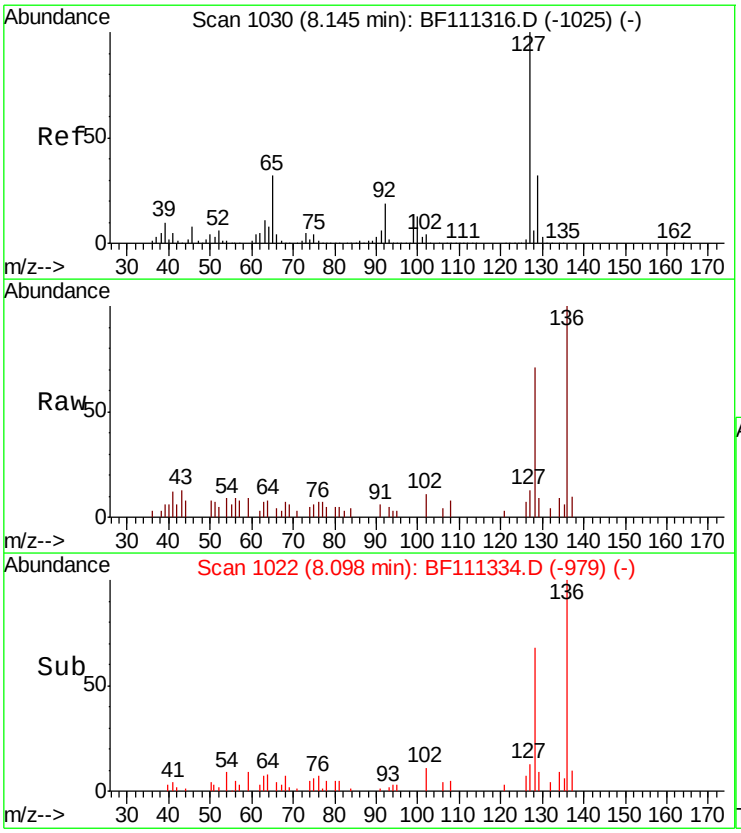
#32
Benzoic acid
Concen: 0.545 ng
RT: 7.77 min Scan# 967
Delta R.T. -0.09 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:122 Resp: 5619

Ion	Ratio	Lower	Upper
122	100		
105	126.9	97.0	137.0
77	95.9	65.7	105.7

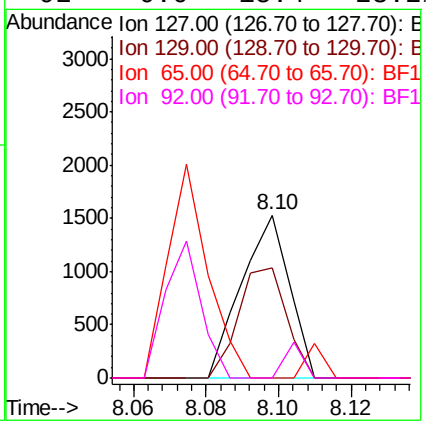


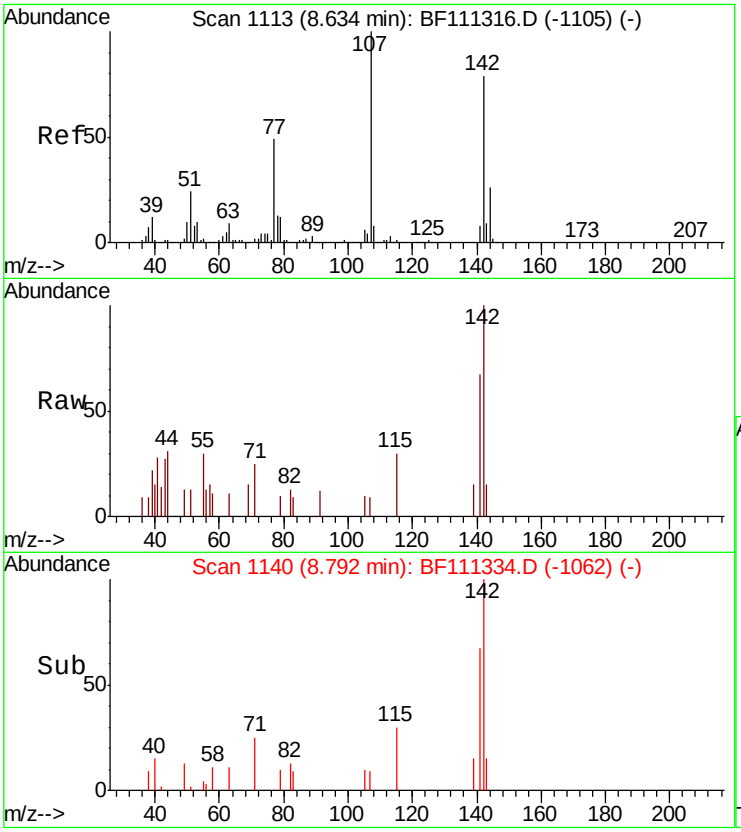


#33
4-Chloroaniline
Concen: 0.077 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.05 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Tgt Ion:127 Resp: 1399

Ion	Ratio	Lower	Upper
127	100		
129	67.7	26.6	39.8#
65	0.0	25.7	38.5#
92	0.0	15.4	23.2#



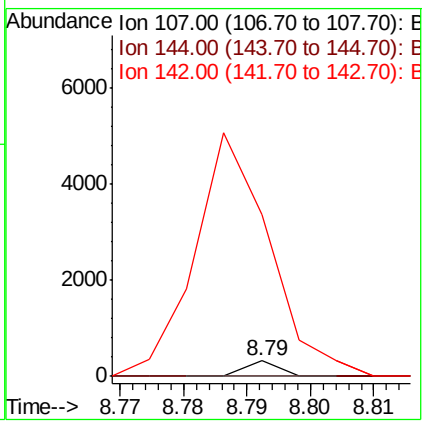


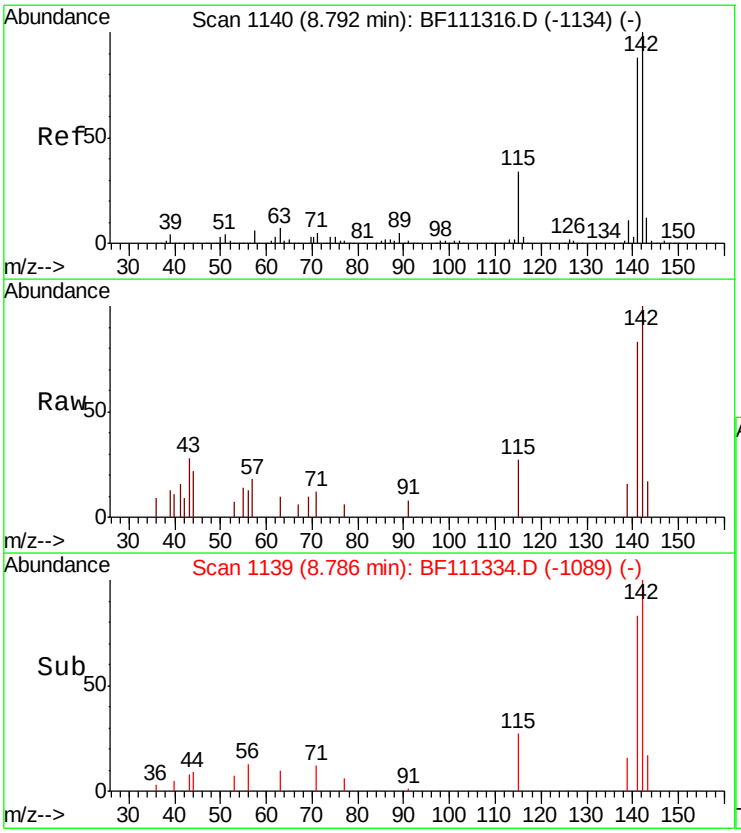
#36
4-Chloro-3-methylphenol
Concen: 0.008 ng
RT: 8.79 min Scan# 1140
Delta R.T. 0.16 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:107 Resp: 113

Ion	Ratio	Lower	Upper
107	100		
144	0.0	19.8	29.6#
142	1056.4	62.3	93.5#

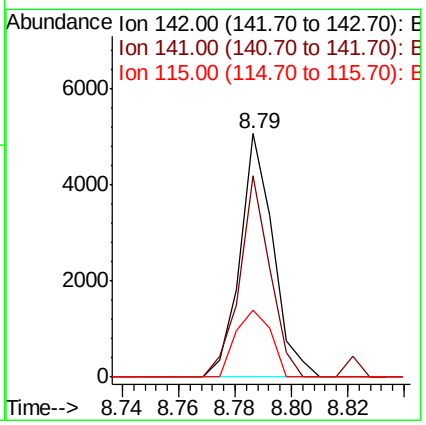


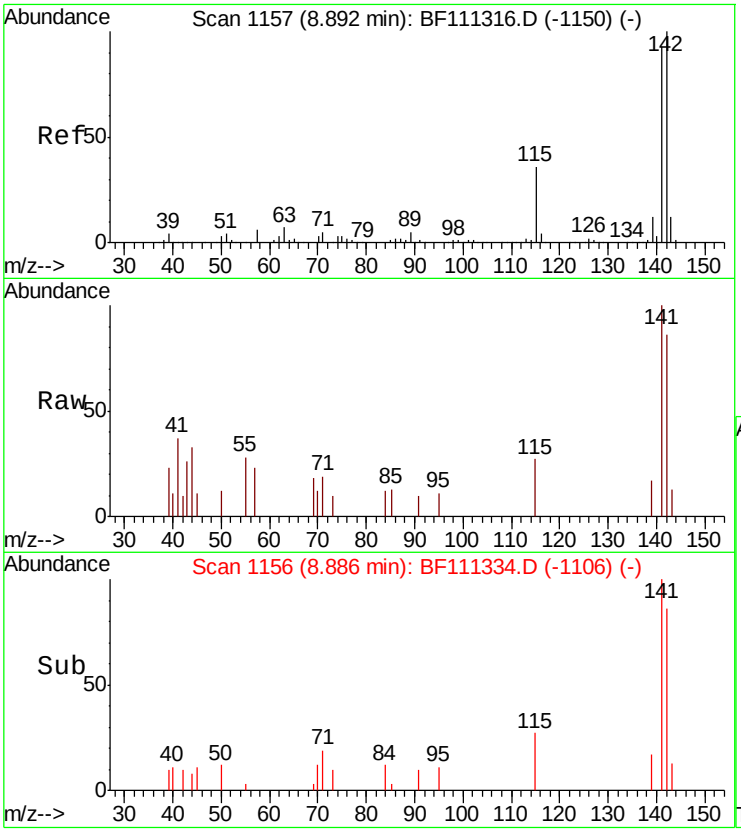


#37
2-Methylnaphthalene
Concen: 0.151 ng
RT: 8.79 min Scan# 1139
Delta R.T. -0.01 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Tgt Ion:142 Resp: 4127

Ion	Ratio	Lower	Upper
142	100		
141	83.0	70.6	105.8
115	27.5	27.0	40.6



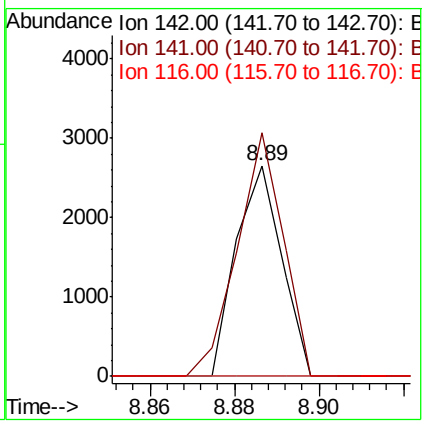


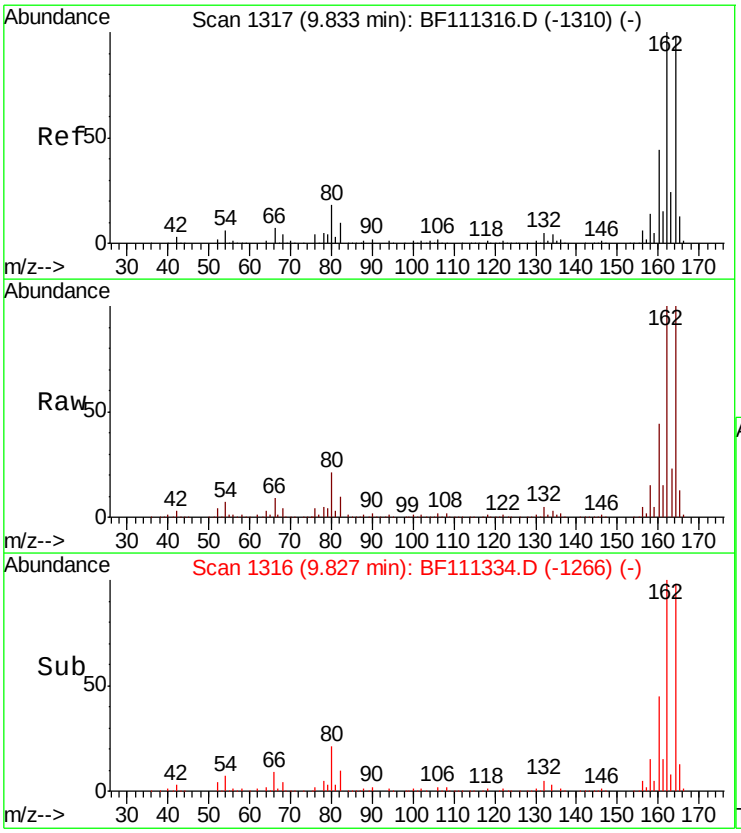
#38
1-Methylnaphthalene
Concen: 0.075 ng
RT: 8.89 min Scan# 1156
Delta R.T. -0.01 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:142 Resp: 1985

Ion	Ratio	Lower	Upper
142	100		
141	115.7	74.2	111.4#
116	0.0	2.9	4.3#

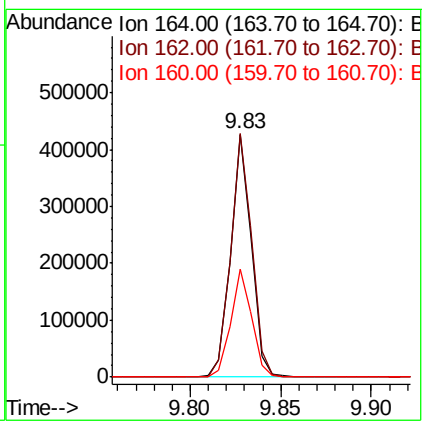


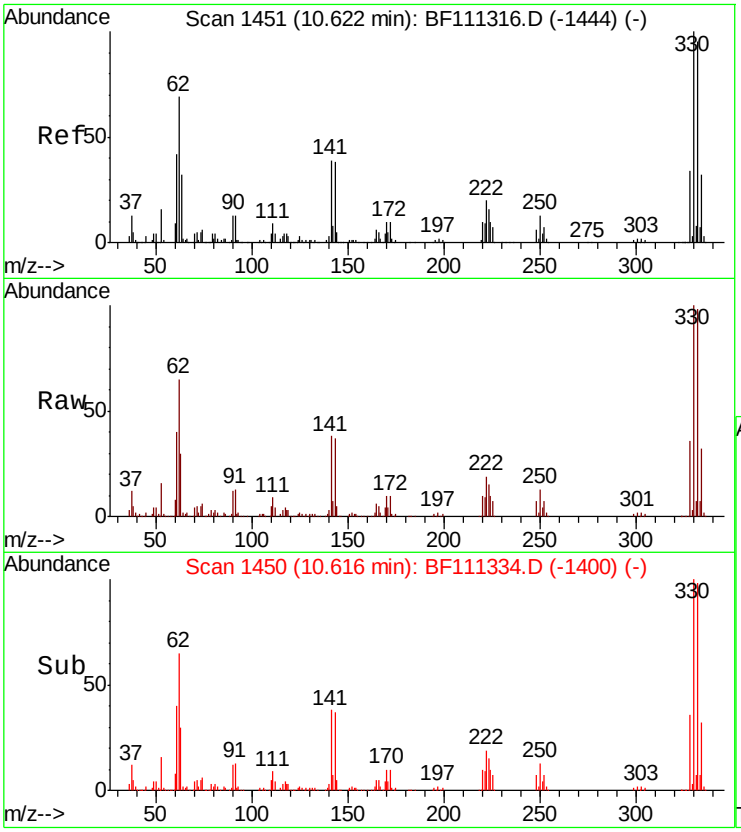


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Tgt Ion:164 Resp: 340779

Ion	Ratio	Lower	Upper
164	100		
162	100.3	81.4	122.0
160	44.6	35.7	53.5



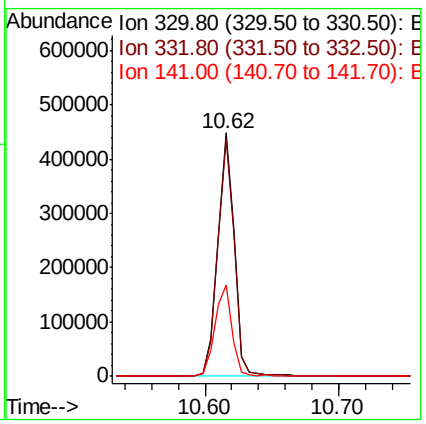


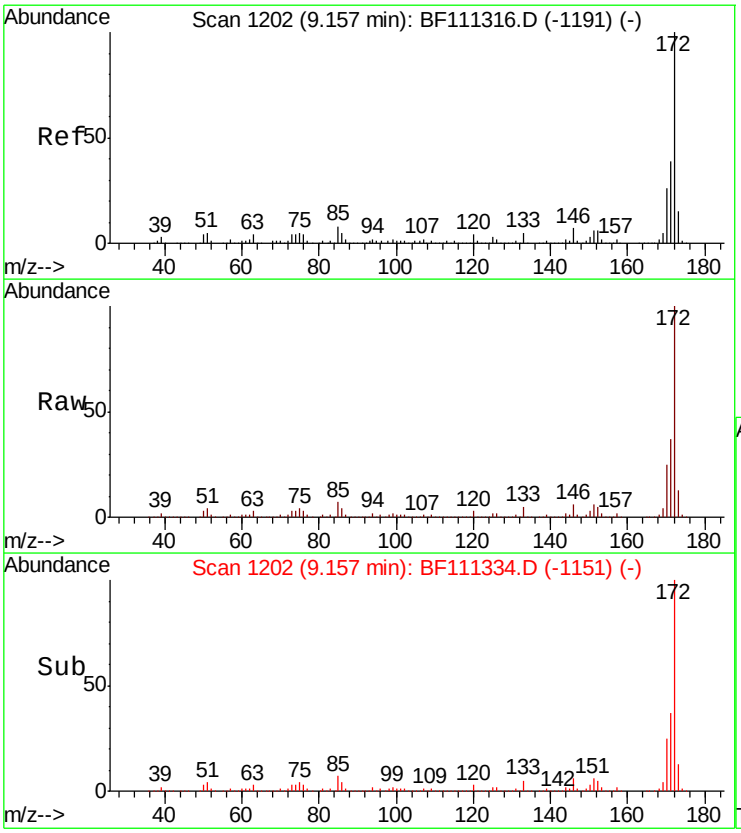
#42
2,4,6-Tribromophenol
Concen: 132.116 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:330 Resp: 396877

Ion	Ratio	Lower	Upper
330	100		
332	98.3	76.0	114.0
141	39.2	31.0	46.6

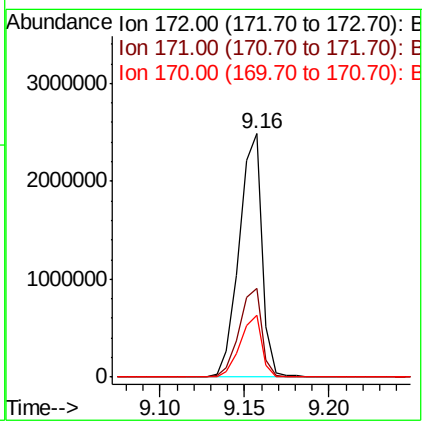


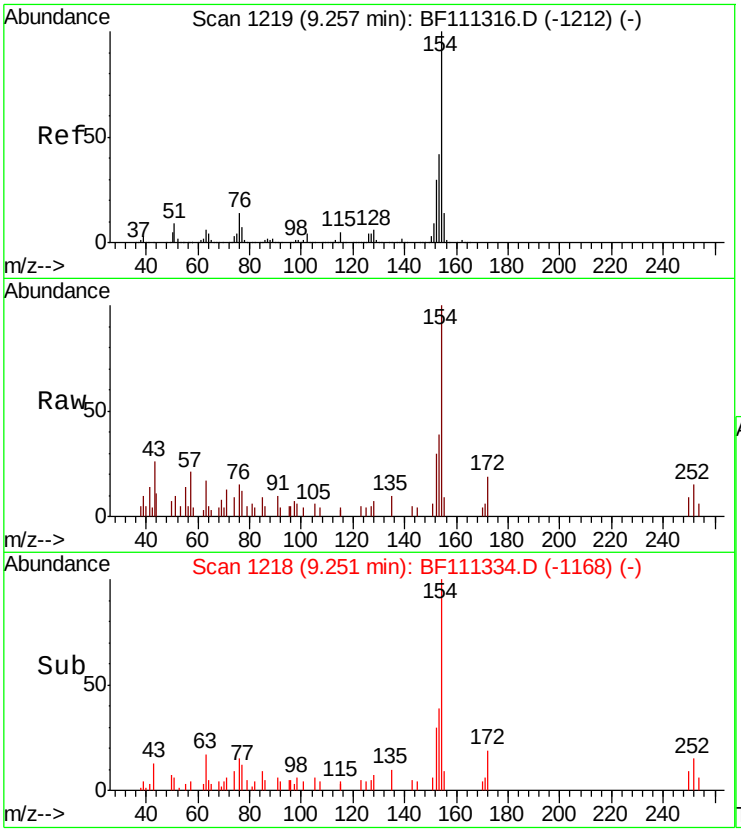


#45
2-Fluorobiphenyl
Concen: 110.370 ng
RT: 9.16 min Scan# 1202
Delta R.T. -0.00 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Tgt Ion:172 Resp: 2342697

Ion	Ratio	Lower	Upper
172	100		
171	36.7	33.0	49.4
170	25.2	22.3	33.5



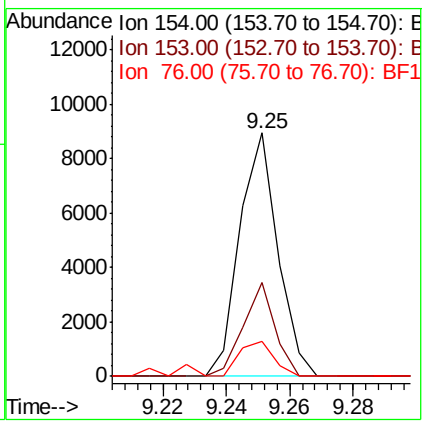


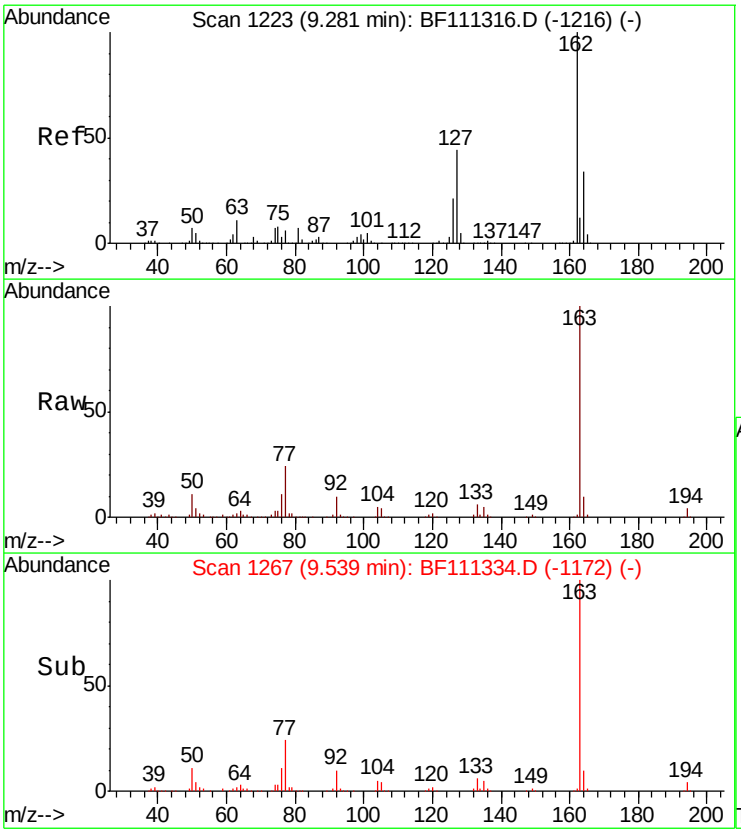
#46
1,1'-Biphenyl
Concen: 0.256 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.01 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:154 Resp: 7445

Ion	Ratio	Lower	Upper
154	100		
153	38.7	23.7	63.7
76	14.6	0.0	35.0

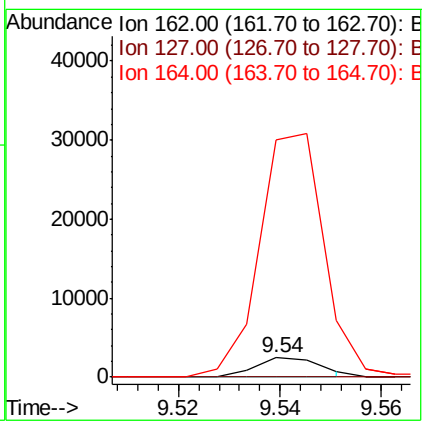


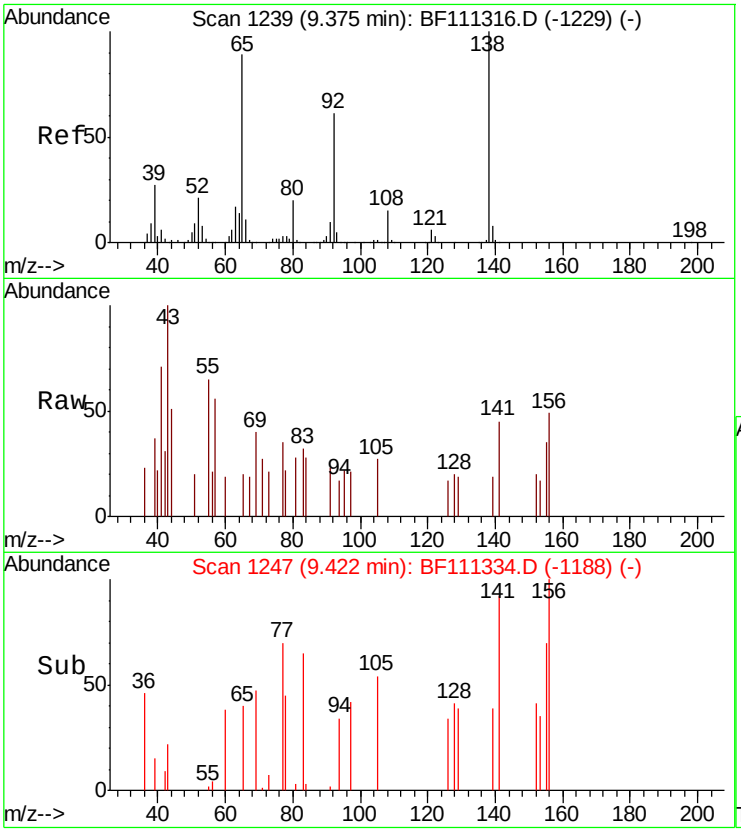


#47
2-Chloronaphthalene
Concen: 0.097 ng
RT: 9.54 min Scan# 1267
Delta R.T. 0.26 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Tgt Ion:162 Resp: 2157

Ion	Ratio	Lower	Upper
162	100		
127	0.0	35.0	52.4#
164	1210.7	28.4	42.6#



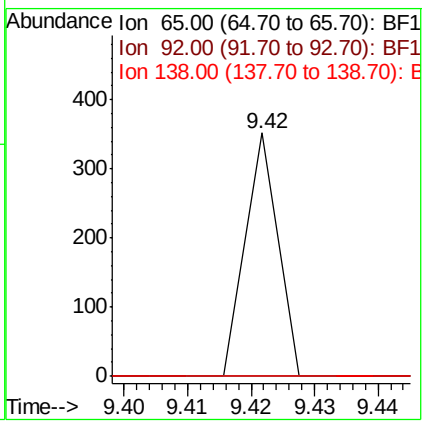


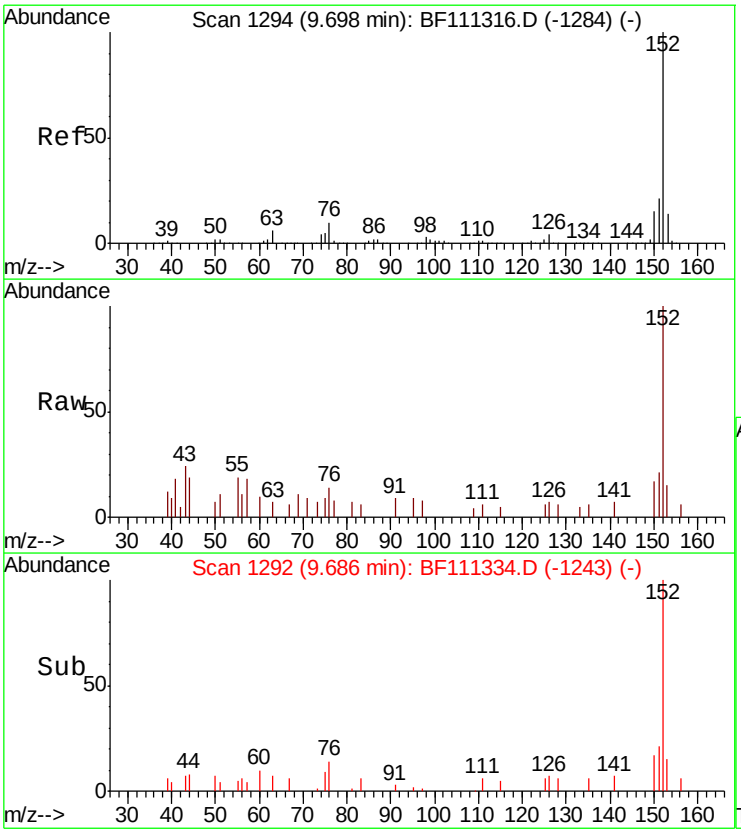
#48
2-Nitroaniline
Concen: 0.017 ng
RT: 9.42 min Scan# 1247
Delta R.T. 0.05 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion: 65 Resp: 124

Ion	Ratio	Lower	Upper
65	100		
92	0.0	53.5	80.3#
138	0.0	80.9	121.3#

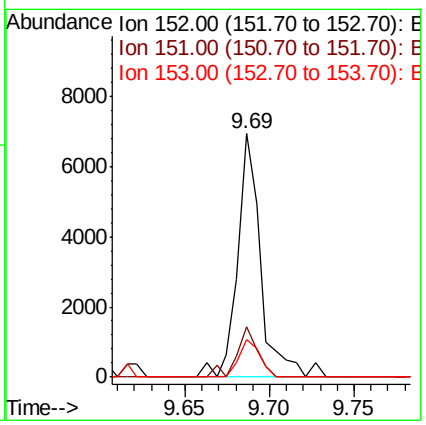


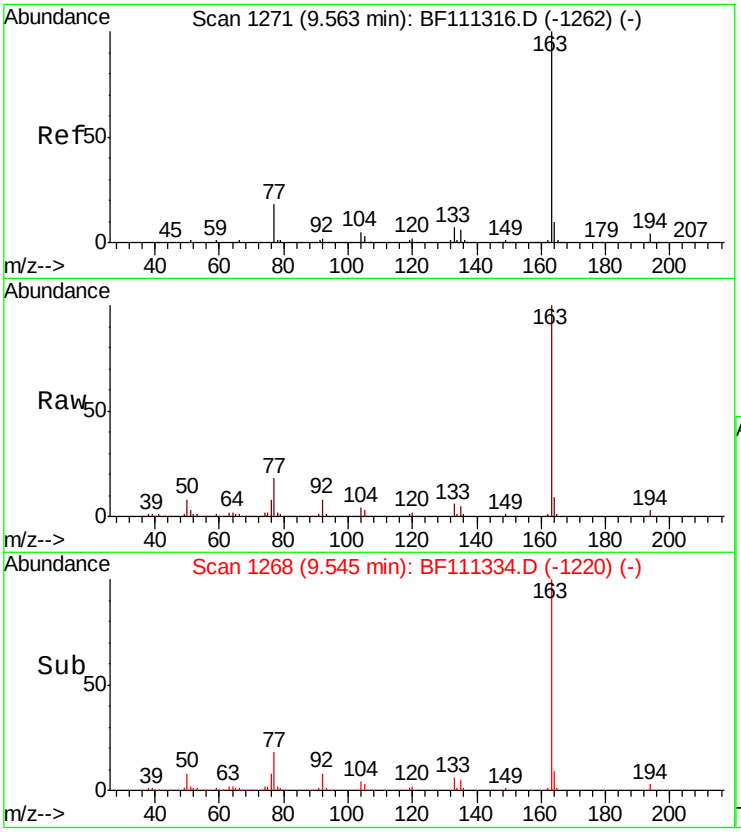


#49
Acenaphthylene
Concen: 0.204 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Tgt Ion:152 Resp: 6621

Ion	Ratio	Lower	Upper
152	100		
151	20.6	18.0	27.0
153	15.5	12.3	18.5



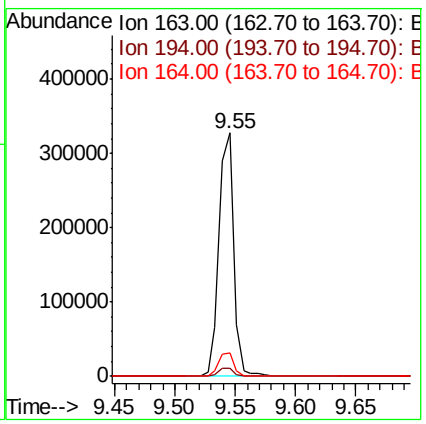


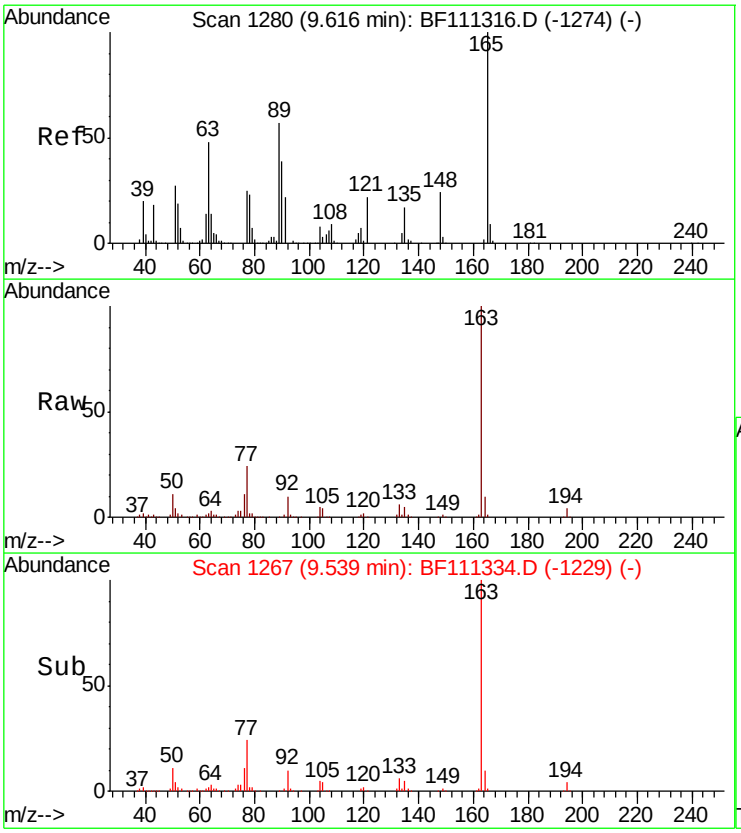
#50
Dimethylphthalate
Concen: 11.253 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.02 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:163 Resp: 275757

Ion	Ratio	Lower	Upper
163	100		
194	3.3	3.0	4.6
164	9.4	8.9	13.3

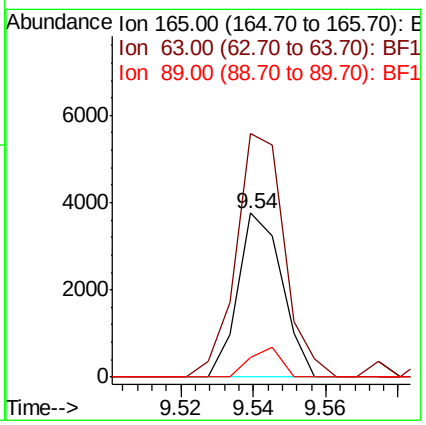


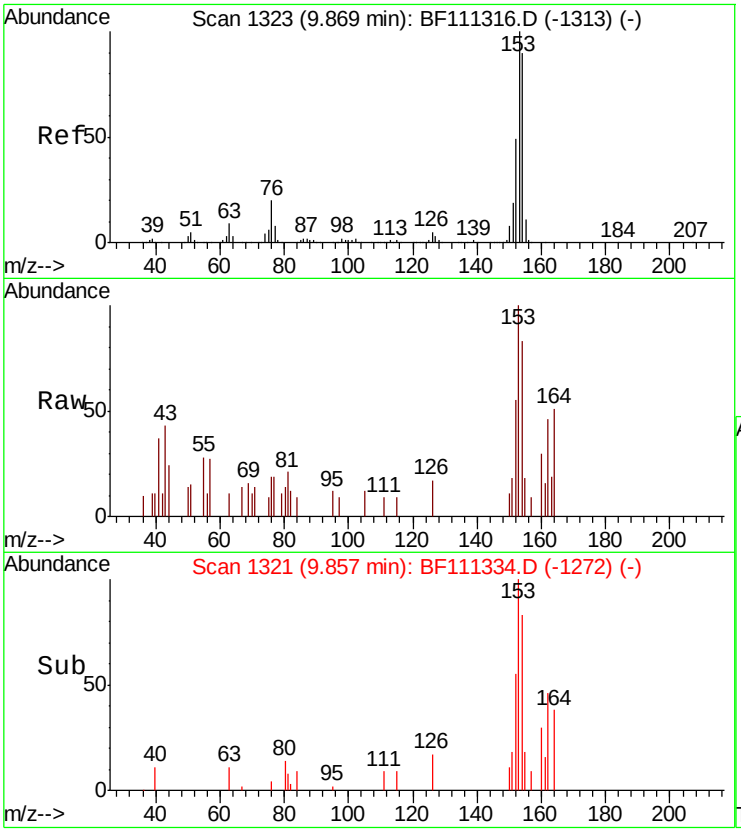


#51
2,6-Dinitrotoluene
Concen: 0.582 ng
RT: 9.54 min Scan# 1267
Delta R.T. -0.08 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Tgt Ion:165 Resp: 3161

Ion	Ratio	Lower	Upper
165	100		
63	148.6	40.5	60.7#
89	12.2	40.0	60.0#



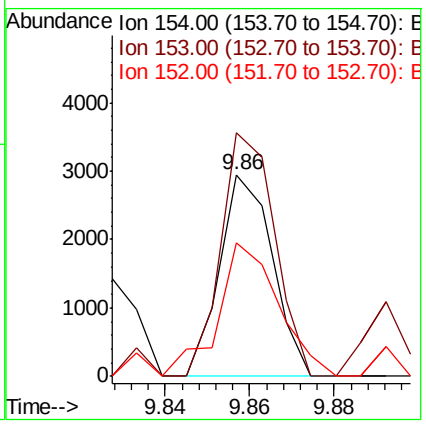


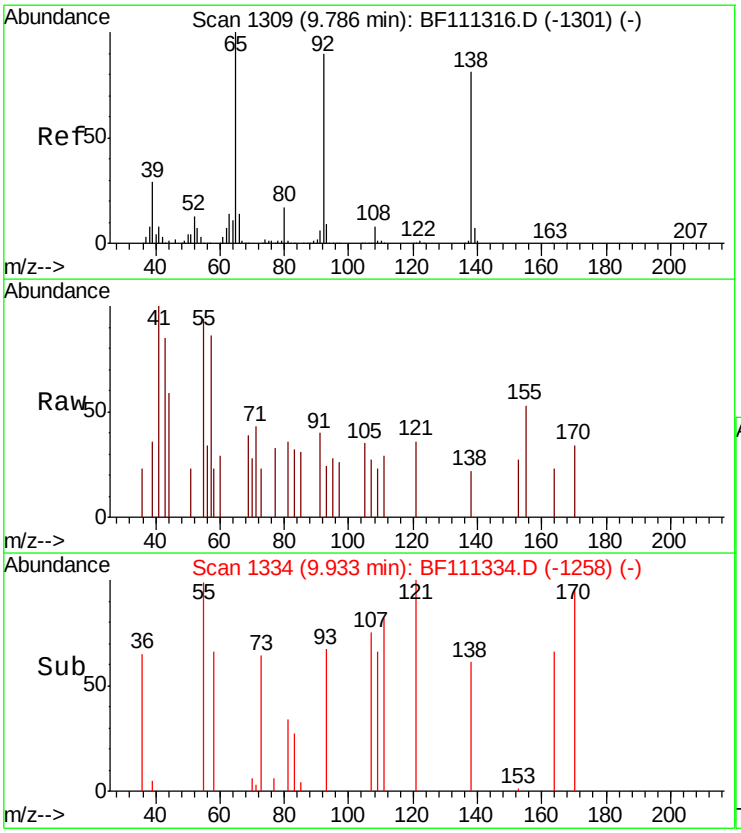
#52
Acenaphthene
Concen: 0.125 ng
RT: 9.86 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:154 Resp: 2555

Ion	Ratio	Lower	Upper
154	100		
153	120.7	87.8	131.8
152	66.0	43.4	65.2#

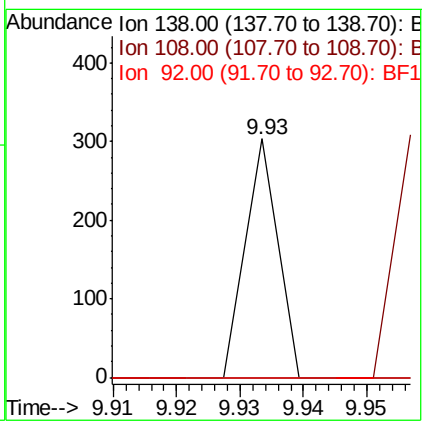


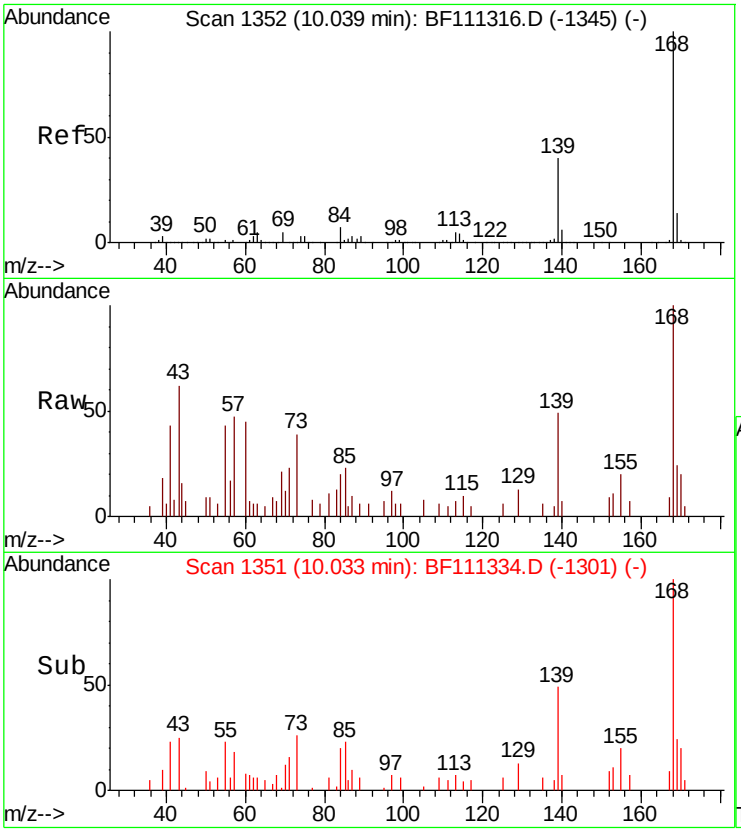


#53
3-Nitroaniline
Concen: 0.016 ng
RT: 9.93 min Scan# 1334
Delta R.T. 0.15 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Tgt Ion:138 Resp: 107

Ion	Ratio	Lower	Upper
138	100		
108	0.0	8.2	12.4#
92	0.0	93.4	140.2#



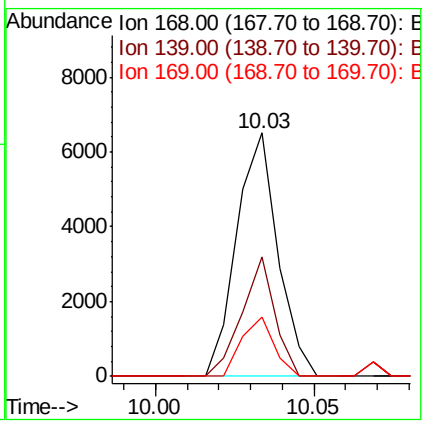


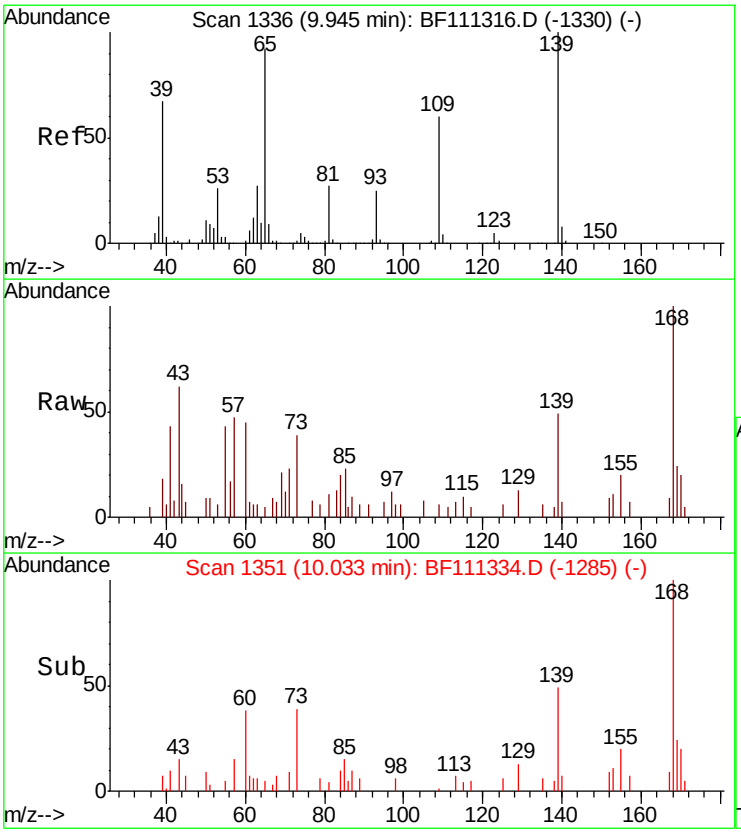
#55
Dibenzofuran
Concen: 0.197 ng
RT: 10.03 min Scan# 1351
Delta R.T. -0.01 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:168 Resp: 5842

Ion	Ratio	Lower	Upper
168	100		
139	49.3	32.6	49.0#
169	24.1	11.8	17.6#

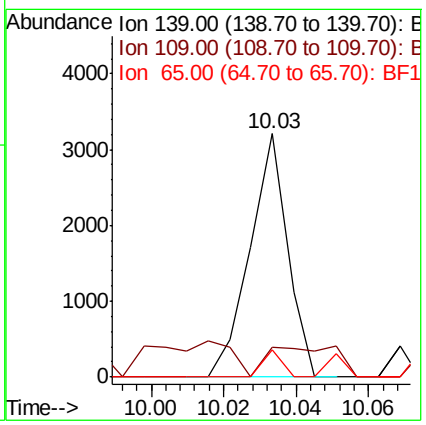


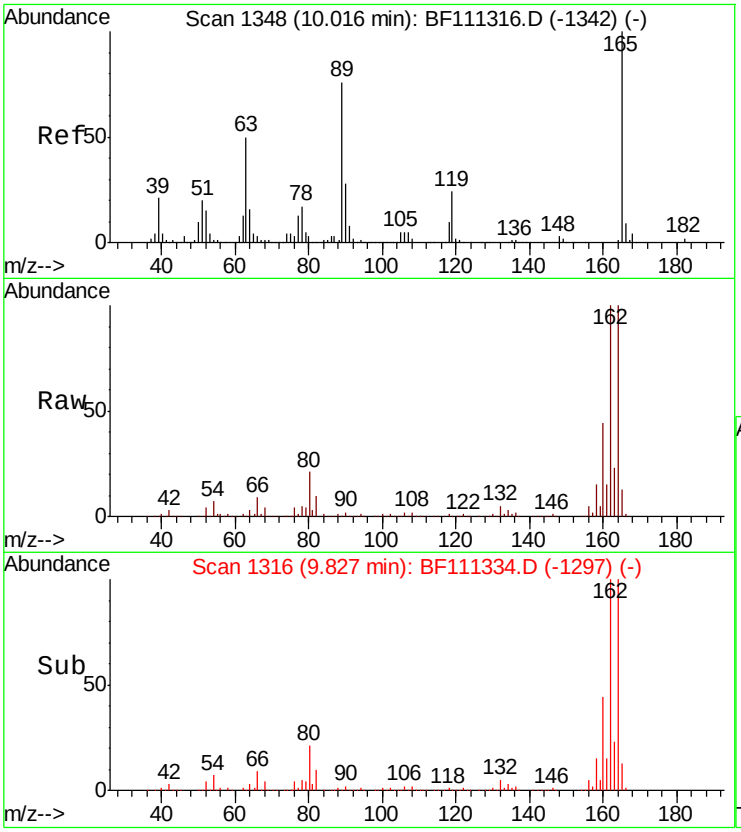


#56
4-Nitrophenol
Concen: 0.491 ng
RT: 10.03 min Scan# 1351
Delta R.T. 0.09 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Tgt Ion:139 Resp: 2308

Ion	Ratio	Lower	Upper
139	100		
109	12.5	41.8	81.8#
65	11.0	79.6	119.6#



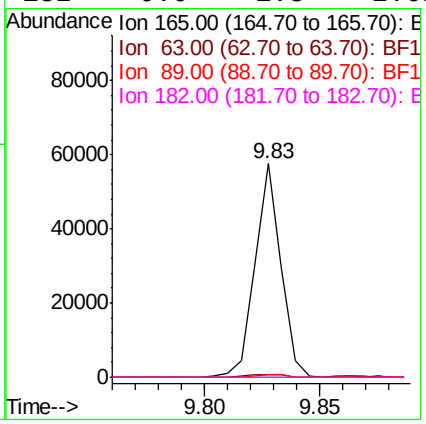


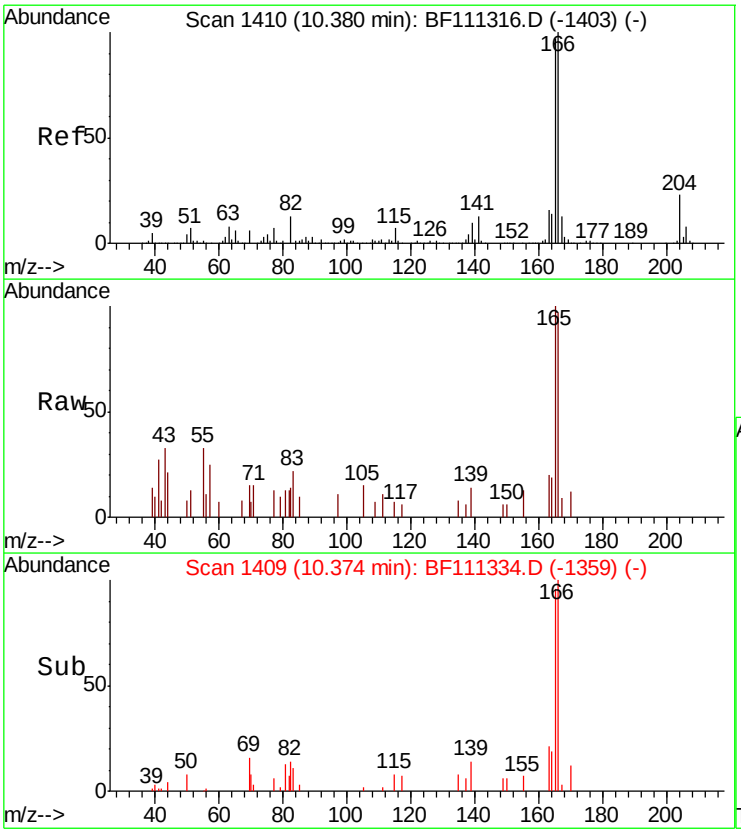
#57
2,4-Dinitrotoluene
Concen: 6.463 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.19 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:165 Resp: 44997

Ion	Ratio	Lower	Upper
165	100		
63	1.0	34.6	52.0#
89	1.1	56.2	84.4#
182	0.0	1.8	2.6#

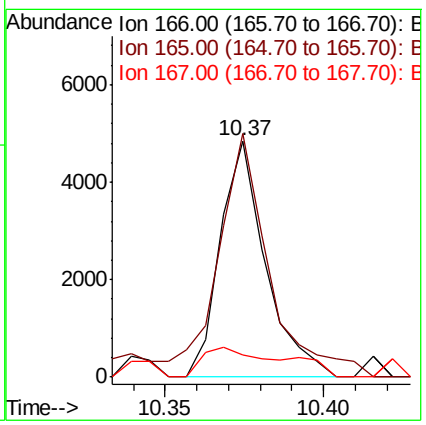


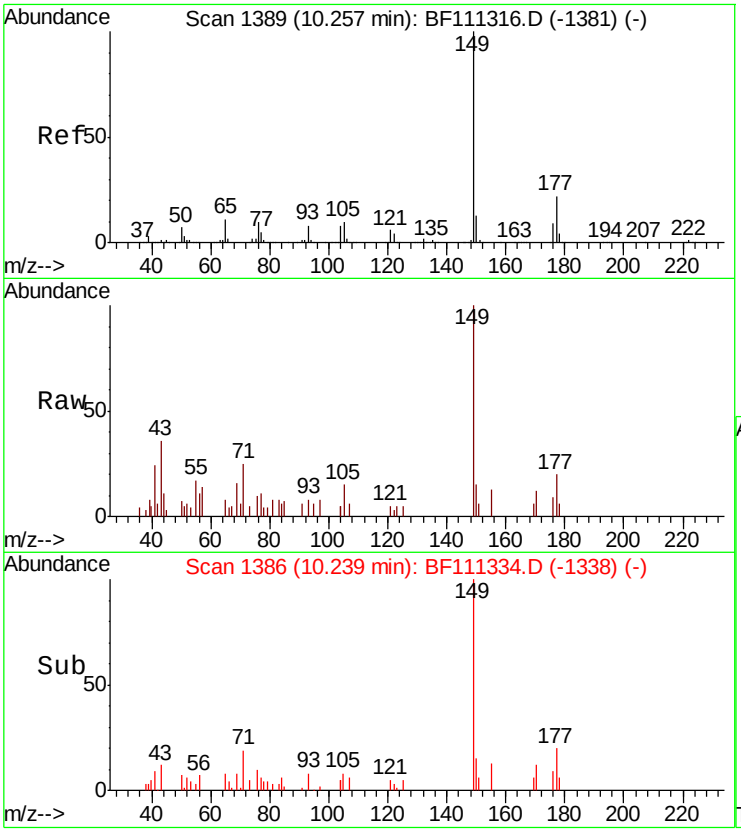


#58
Fluorene
Concen: 0.227 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.01 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Tgt Ion:166 Resp: 4810

Ion	Ratio	Lower	Upper
166	100		
165	103.0	78.4	117.6
167	9.5	11.2	16.8#



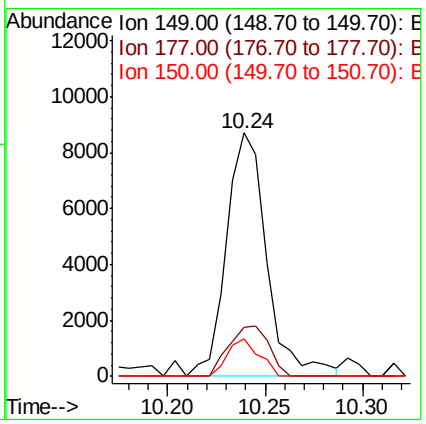


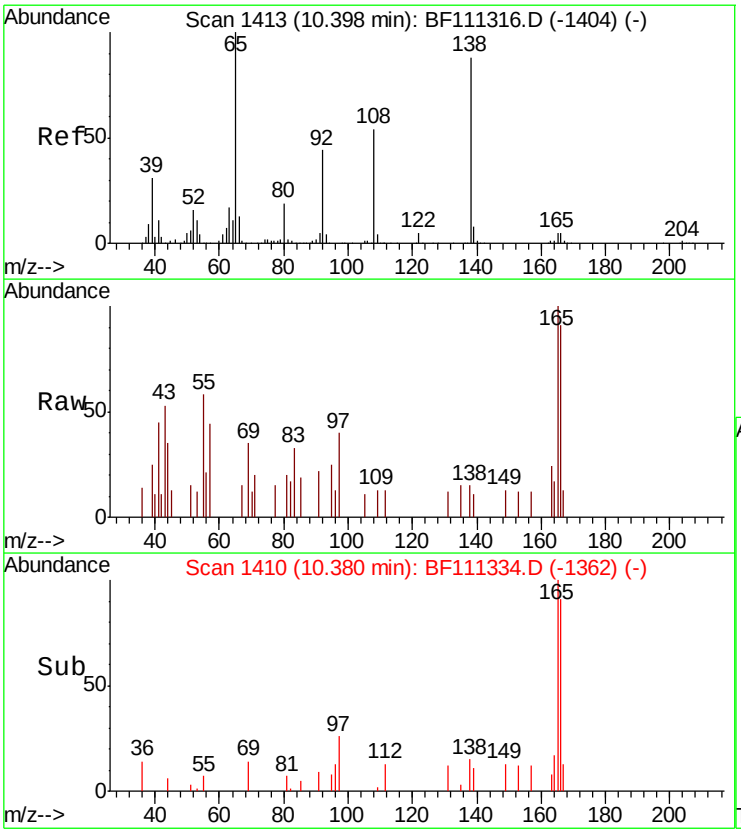
#60
Diethylphthalate
Concen: 0.508 ng
RT: 10.24 min Scan# 1386
Delta R.T. -0.02 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:149 Resp: 12525

Ion	Ratio	Lower	Upper
149	100		
177	20.0	18.3	27.5
150	15.4	10.6	15.8

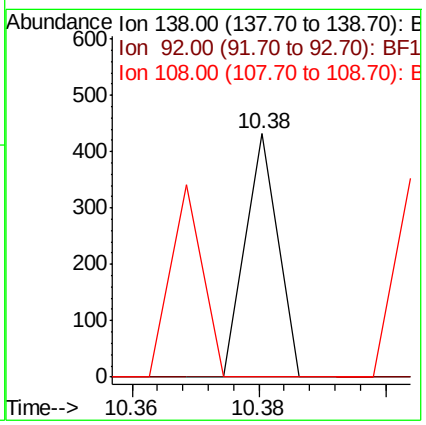


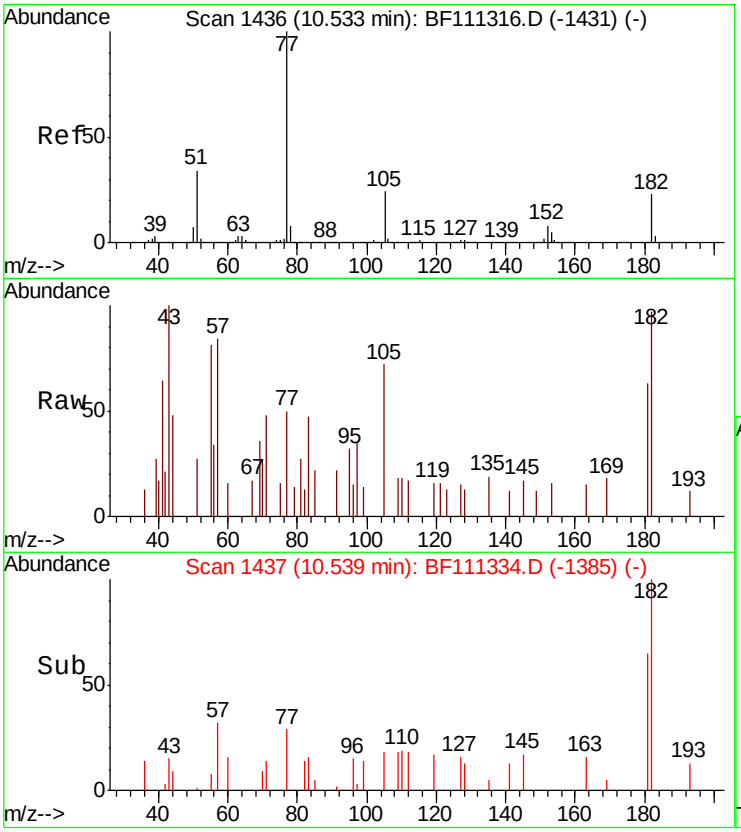


#62
4-Nitroaniline
Concen: 0.024 ng
RT: 10.38 min Scan# 1410
Delta R.T. -0.02 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Tgt Ion:138 Resp: 152

Ion	Ratio	Lower	Upper
138	100		
92	0.0	29.9	69.9#
108	0.0	43.2	83.2#



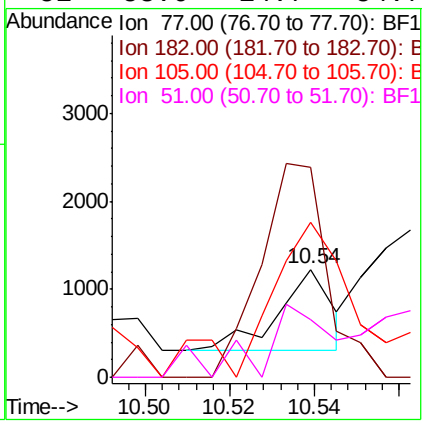


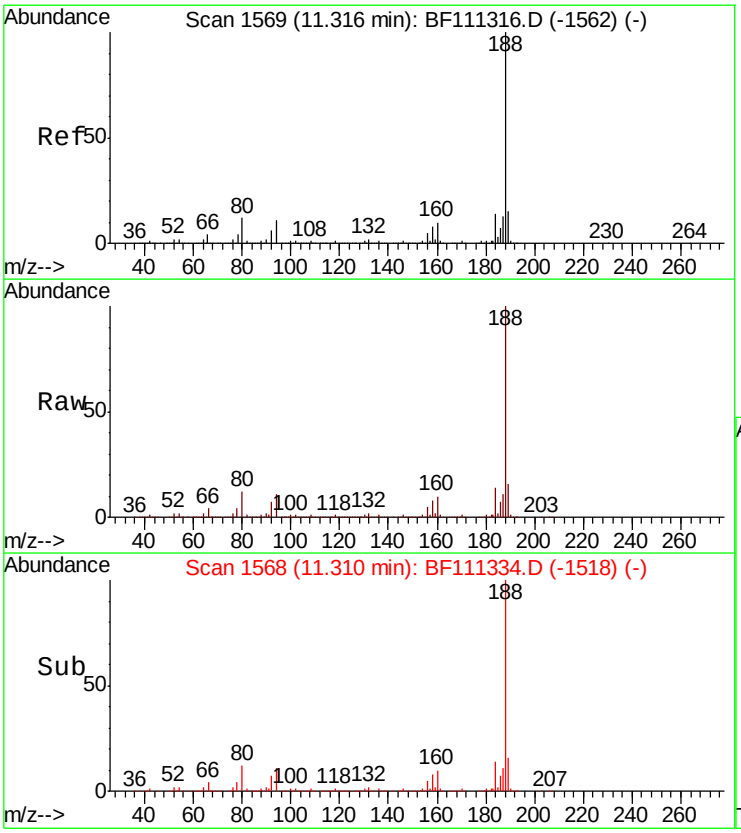
#63
Azobenzene
Concen: 0.033 ng
RT: 10.54 min Scan# 1437
Delta R.T. 0.01 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion: 77 Resp: 813

Ion	Ratio	Lower	Upper
77	100		
182	194.7	4.9	44.9#
105	143.5	6.0	46.0#
51	53.6	14.7	54.7

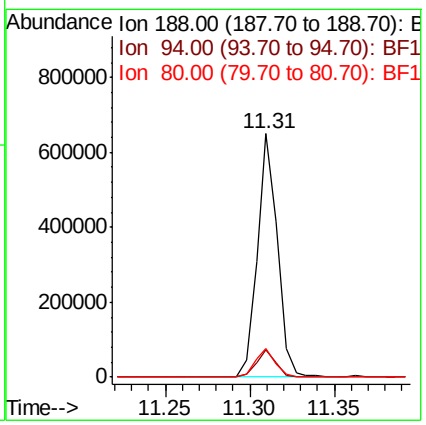


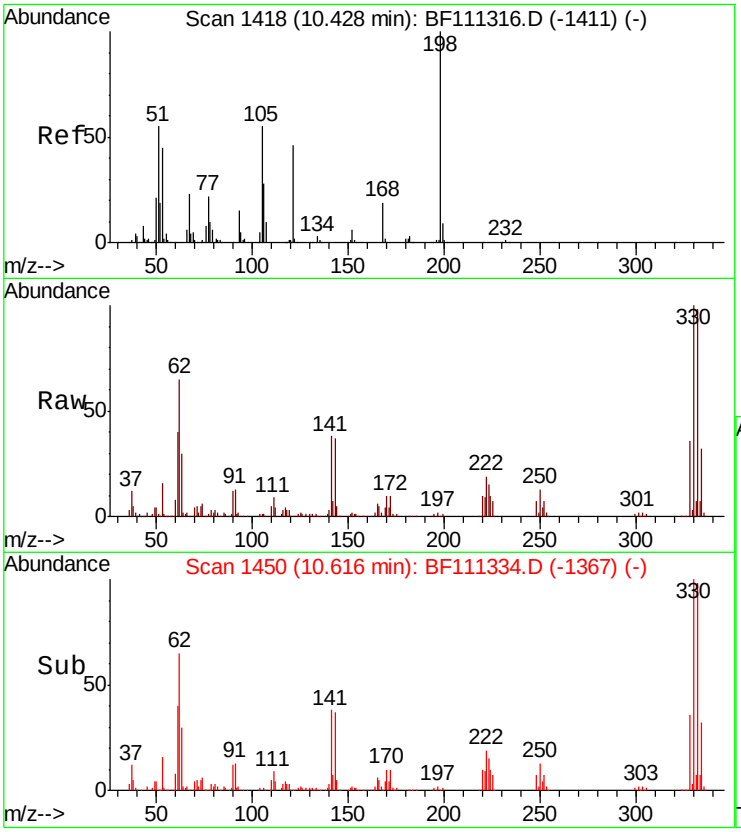


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.31 min Scan# 1568
Delta R.T. -0.01 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Tgt Ion:188 Resp: 537937

Ion	Ratio	Lower	Upper
188	100		
94	11.3	9.6	14.4
80	11.9	9.8	14.6



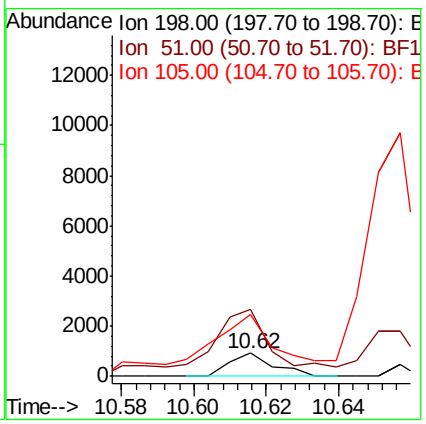


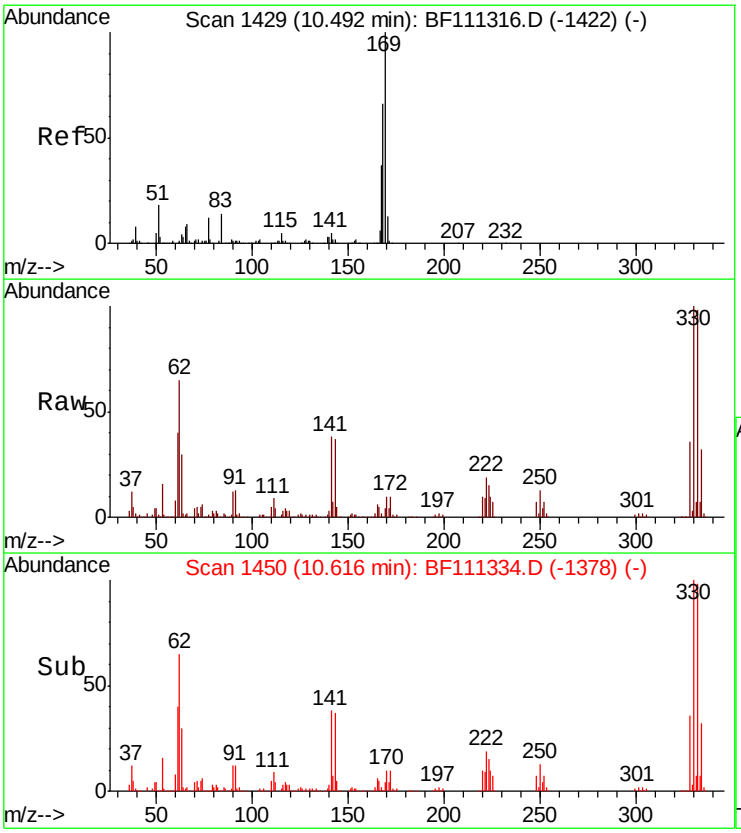
#65
4,6-Dinitro-2-methylphenol
Concen: 0.250 ng
RT: 10.62 min Scan# 1450
Delta R.T. 0.19 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:198 Resp: 772

Ion	Ratio	Lower	Upper
198	100		
51	287.3	48.0	88.0#
105	266.1	34.0	74.0#

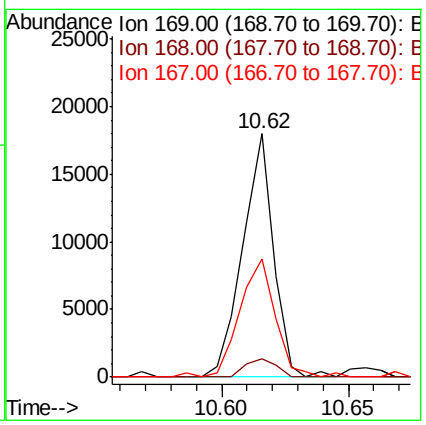


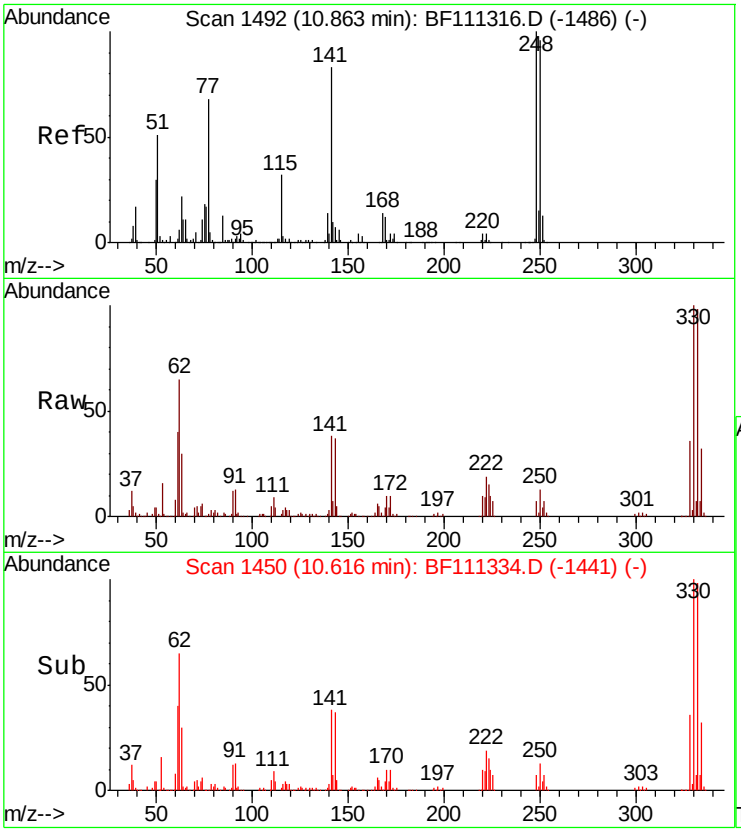


#66
n-Nitrosodiphenylamine
Concen: 0.798 ng
RT: 10.62 min Scan# 1450
Delta R.T. 0.12 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Tgt Ion:169 Resp: 15273

Ion	Ratio	Lower	Upper
169	100		
168	7.6	54.4	81.6#
167	48.6	30.5	45.7#



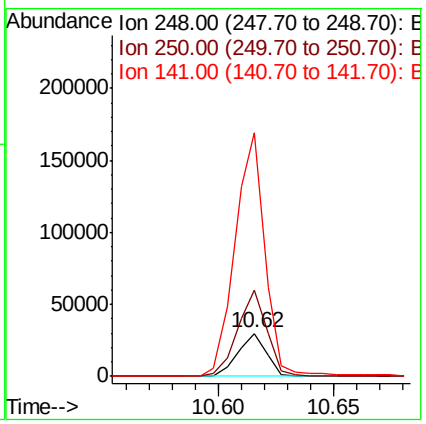


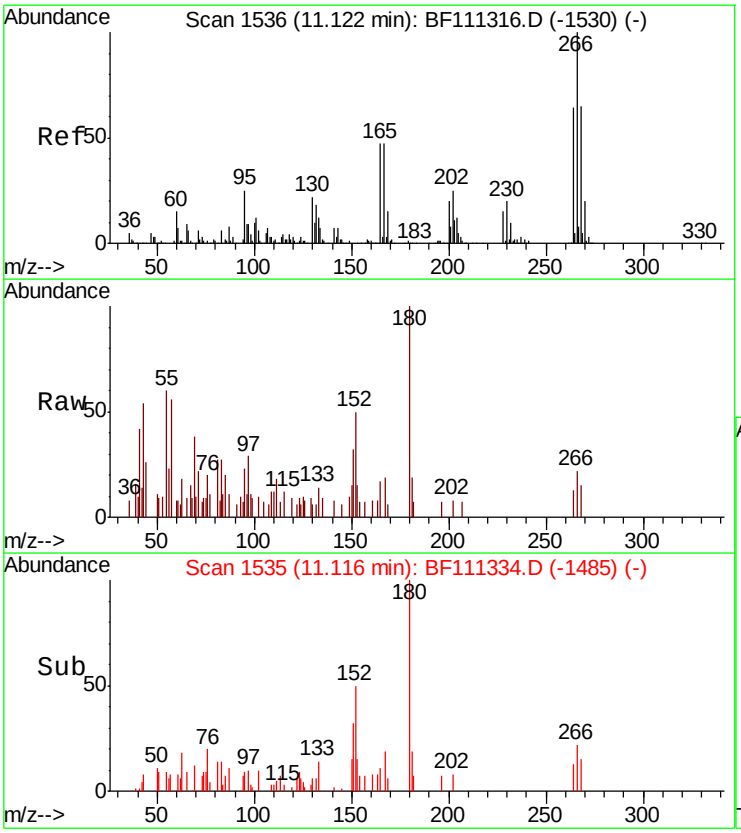
#67
4-Bromophenyl-phenylether
Concen: 4.320 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.25 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:248 Resp: 25870

Ion	Ratio	Lower	Upper
248	100		
250	199.7	77.0	115.4#
141	566.9	63.0	94.6#

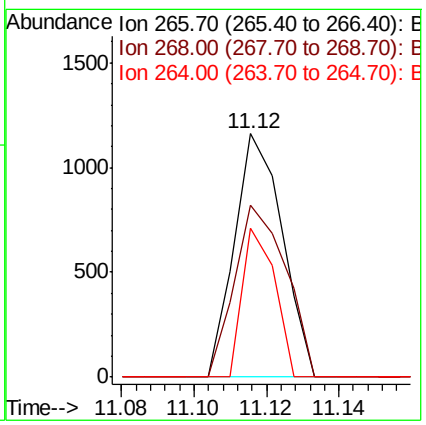


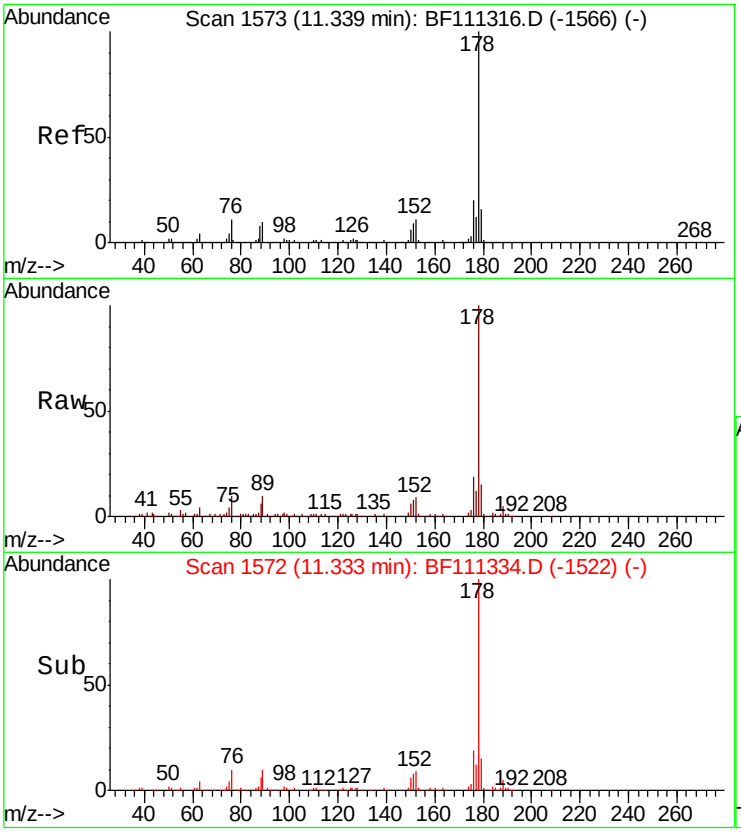


#70
Pentachlorophenol
Concen: 0.259 ng
RT: 11.12 min Scan# 1535
Delta R.T. -0.01 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Tgt Ion:266 Resp: 1061

Ion	Ratio	Lower	Upper
266	100		
268	70.5	47.9	71.9
264	61.4	49.1	73.7



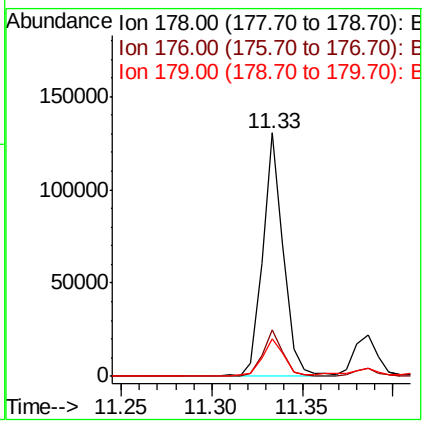


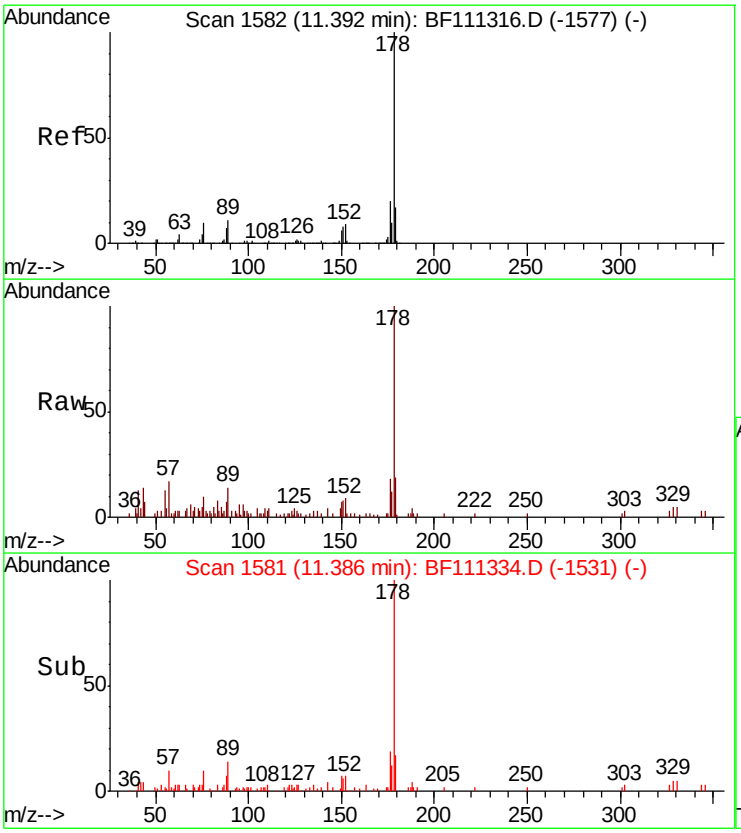
#71
Phenanthrene
Concen: 3.722 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:178 Resp: 103492

Ion	Ratio	Lower	Upper
178	100		
176	19.3	18.1	27.1
179	15.2	14.0	21.0

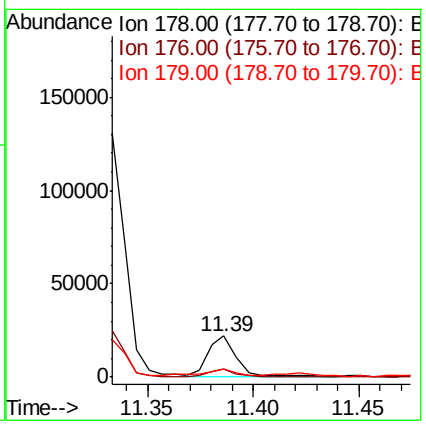


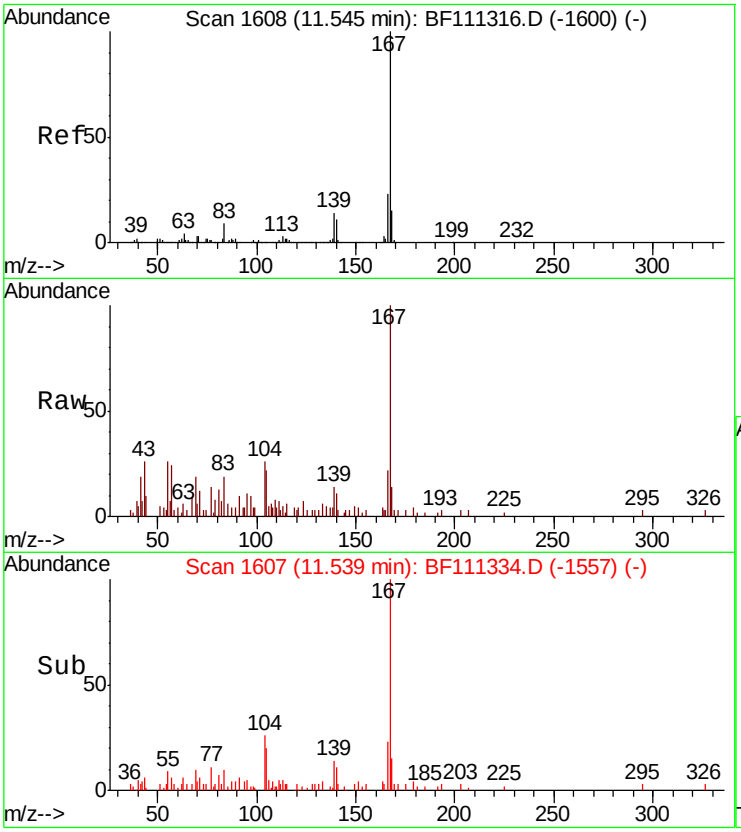


#72
Anthracene
Concen: 0.715 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Tgt Ion:178 Resp: 20233

Ion	Ratio	Lower	Upper
178	100		
176	18.4	17.2	25.8
179	19.3	13.8	20.8



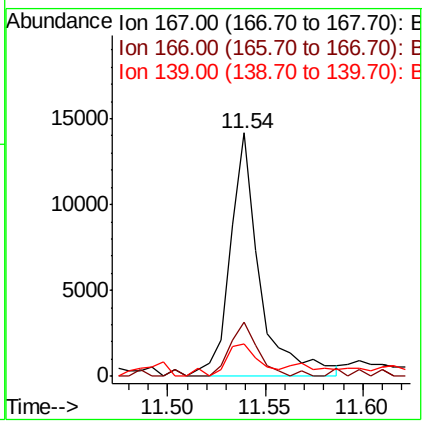


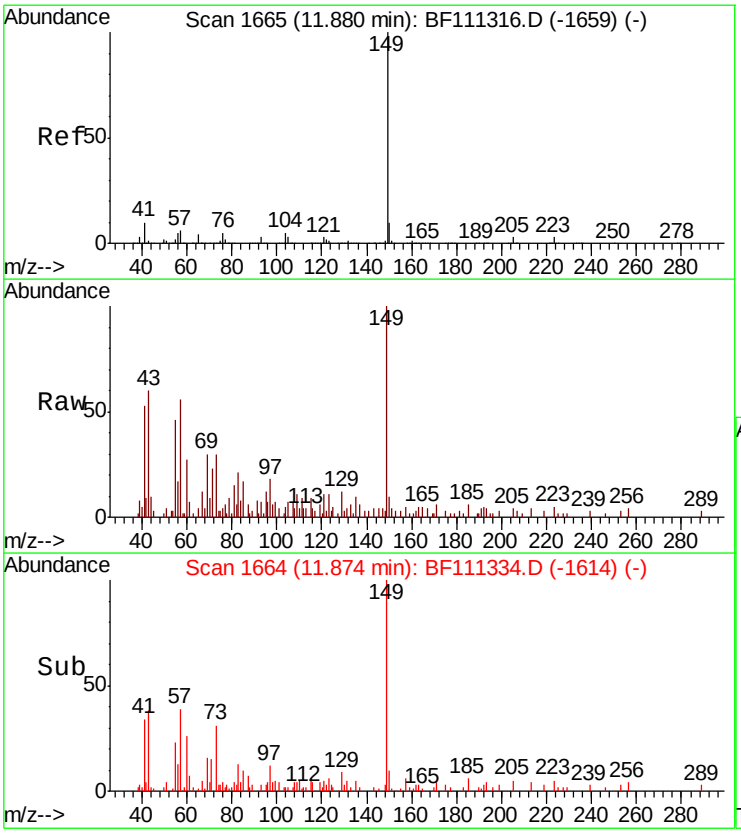
#73
Carbazole
Concen: 0.506 ng
RT: 11.54 min Scan# 1607
Delta R.T. -0.01 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:167 Resp: 14822

Ion	Ratio	Lower	Upper
167	100		
166	22.1	19.3	28.9
139	13.5	11.9	17.9

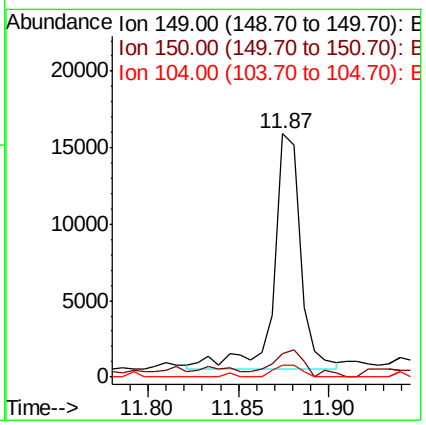


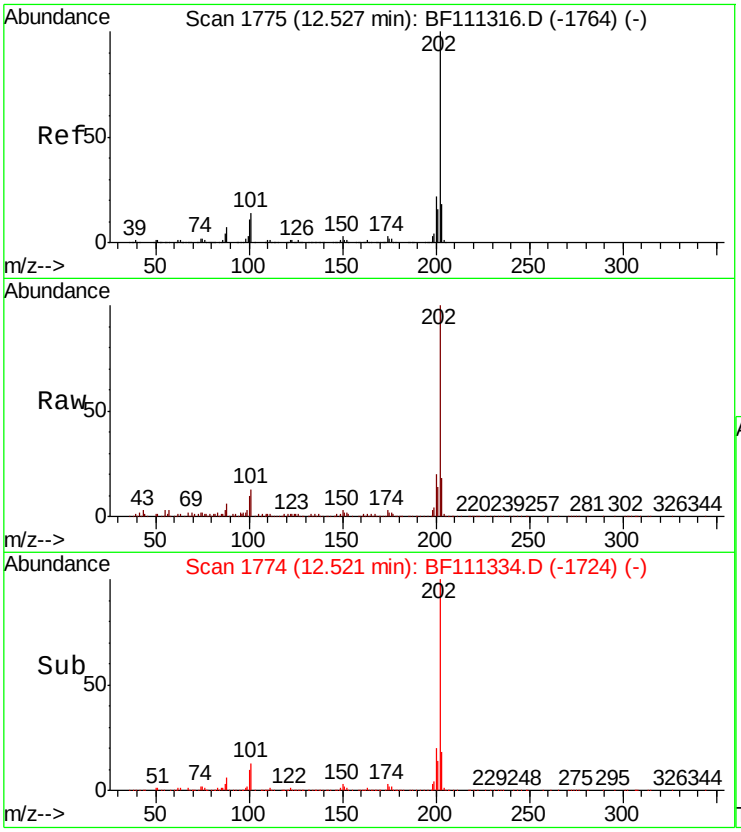


#74
Di-n-butylphthalate
Concen: 0.478 ng
RT: 11.87 min Scan# 1664
Delta R.T. -0.01 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Tgt Ion:149 Resp: 15946

Ion	Ratio	Lower	Upper
149	100		
150	9.6	8.8	13.2
104	5.1	4.5	6.7



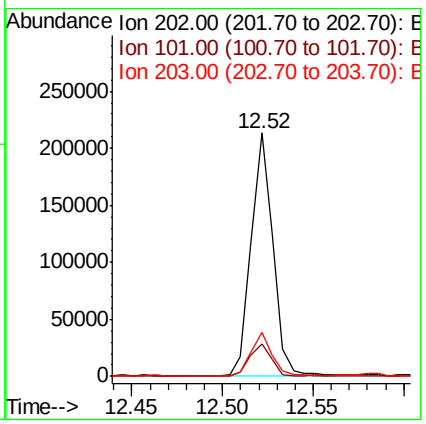


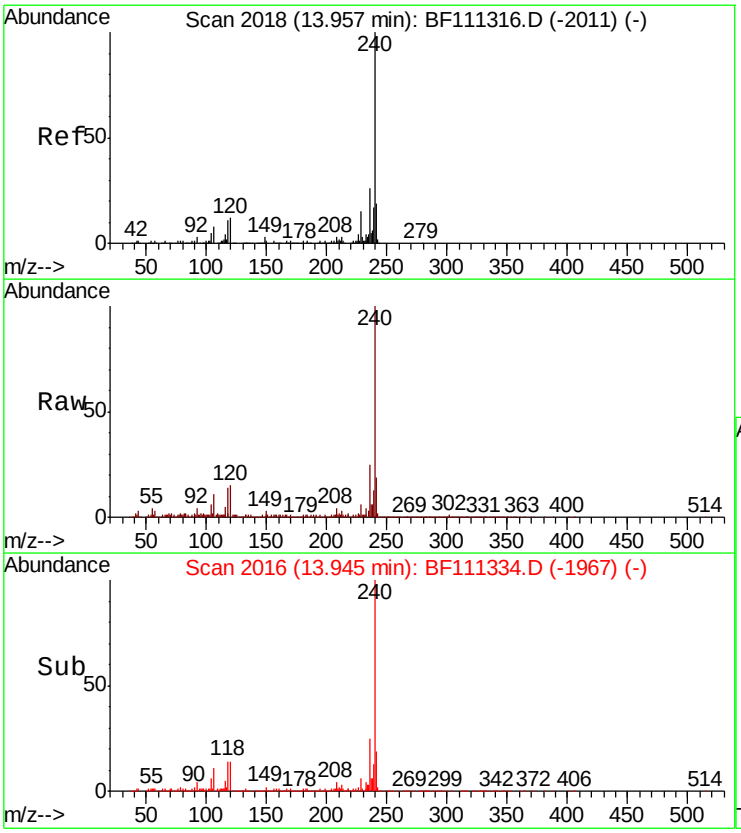
#75
Fluoranthene
Concen: 6.610 ng
RT: 12.52 min Scan# 1774
Delta R.T. -0.01 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:202 Resp: 179433

Ion	Ratio	Lower	Upper
202	100		
101	13.4	0.0	33.8
203	18.2	0.0	38.6

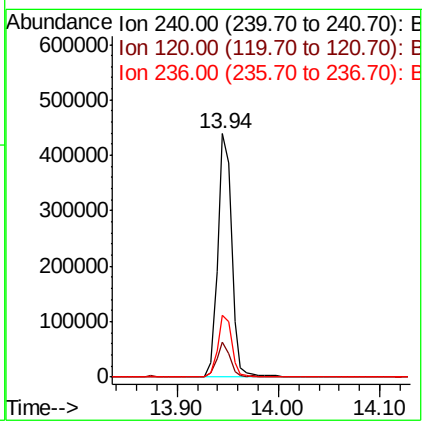


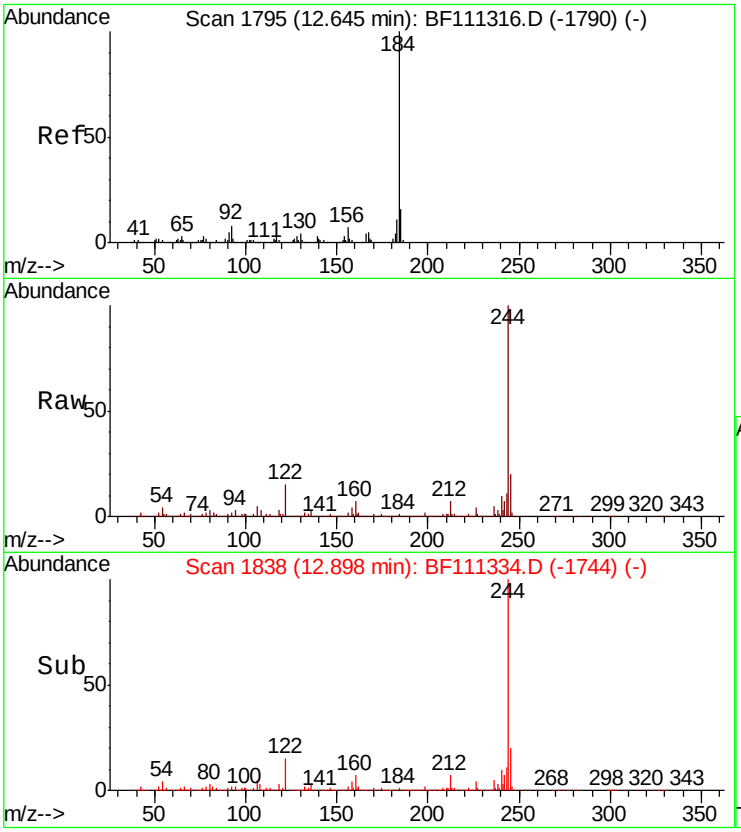


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.94 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Tgt Ion:240 Resp: 417401

Ion	Ratio	Lower	Upper
240	100		
120	14.6	12.2	18.2
236	25.4	20.2	30.2



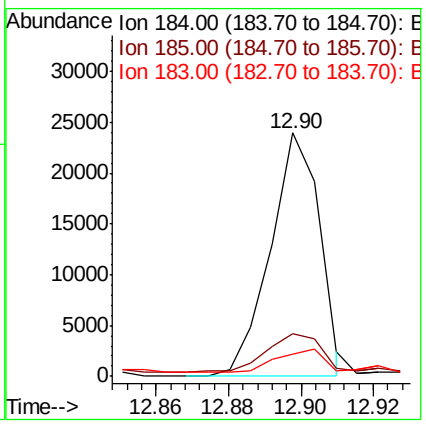


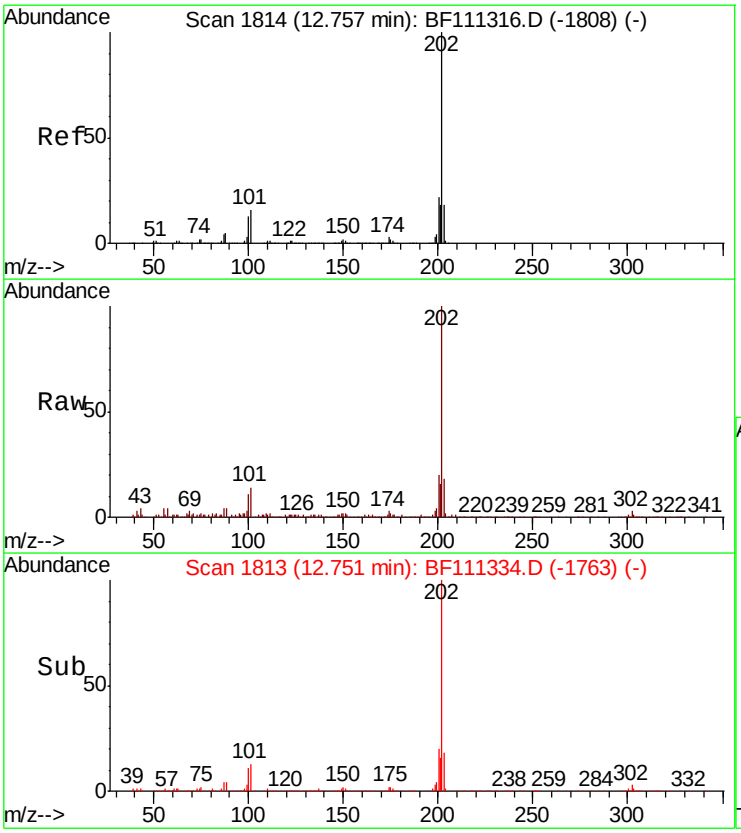
#77
Benzidine
Concen: 2.869 ng
RT: 12.90 min Scan# 1838
Delta R.T. 0.25 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:184 Resp: 22599

Ion	Ratio	Lower	Upper
184	100		
185	17.6	13.0	19.6
183	9.2	9.3	13.9#

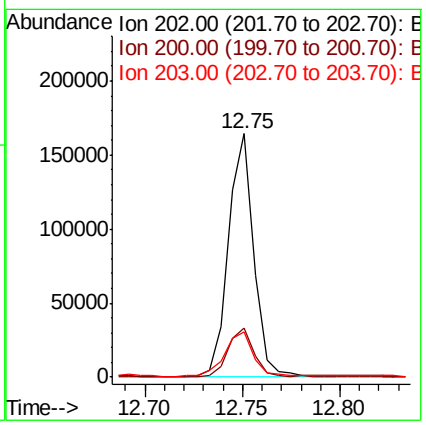


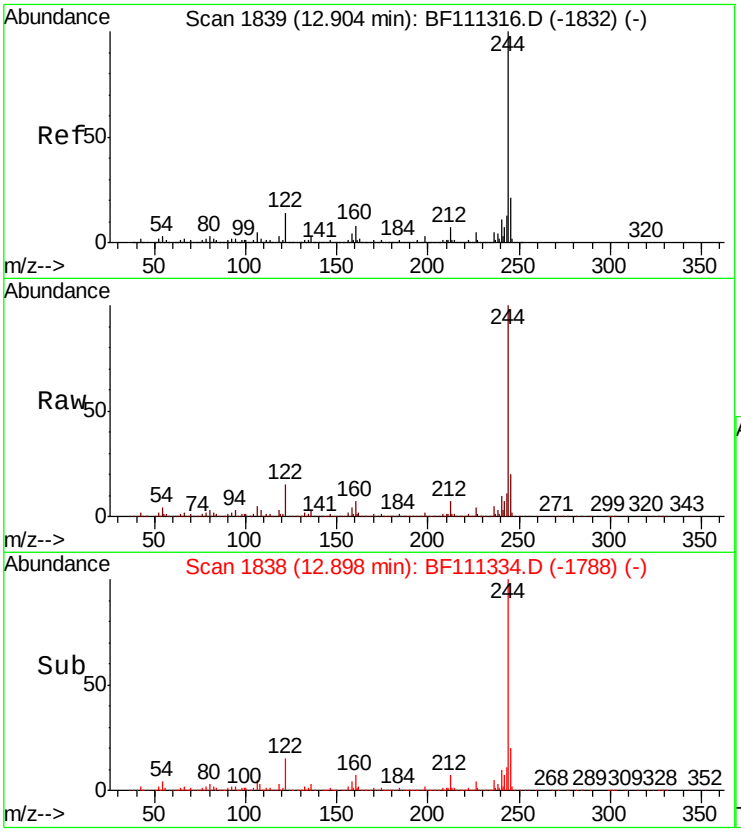


#78
Pyrene
Concen: 4.563 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.01 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Tgt Ion:202 Resp: 146996

Ion	Ratio	Lower	Upper
202	100		
200	20.4	19.0	28.4
203	18.4	15.2	22.8



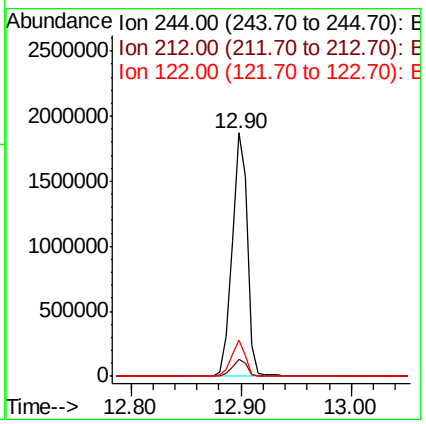


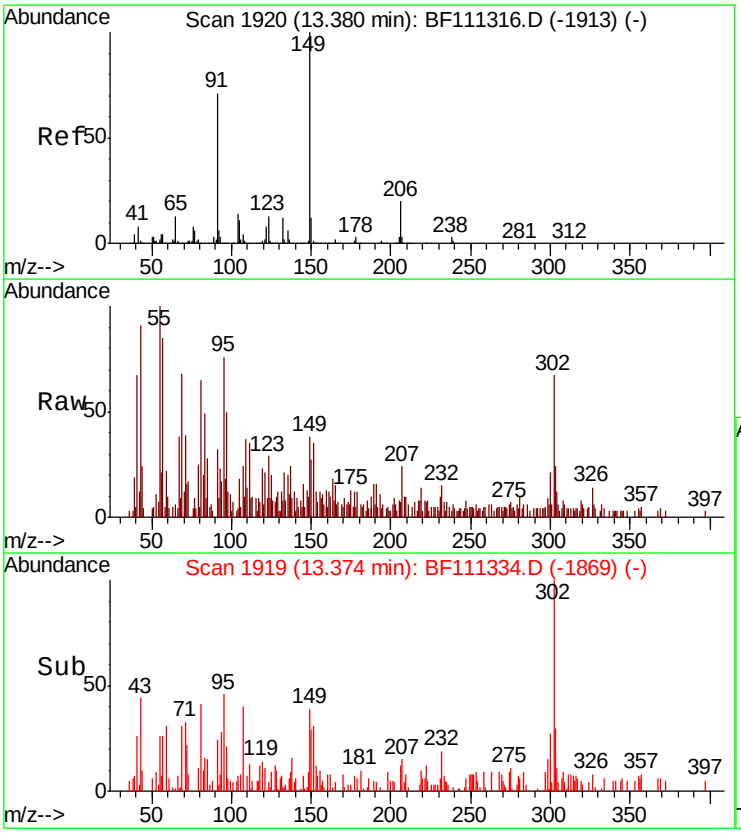
#79
Terphenyl-d14
Concen: 95.132 ng
RT: 12.90 min Scan# 1838
Delta R.T. -0.01 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:244 Resp: 1804139

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	14.6	13.1	19.7

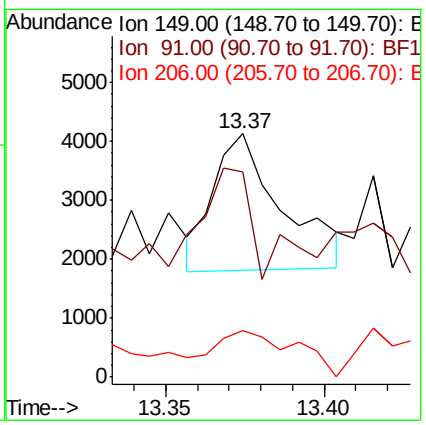


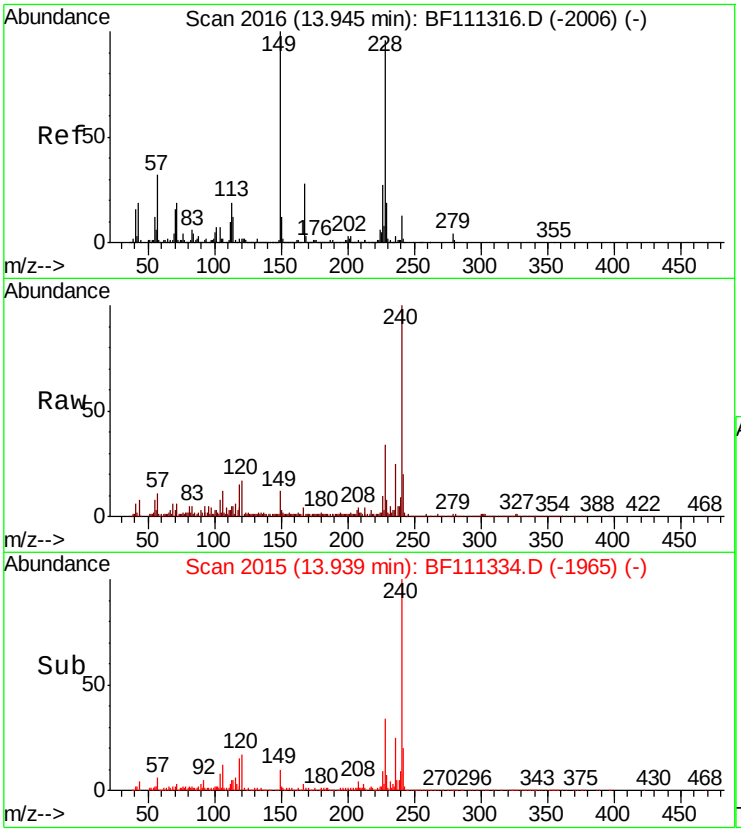


#80
Butylbenzylphthalate
Concen: 0.226 ng
RT: 13.37 min Scan# 1919
Delta R.T. -0.01 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Tgt Ion:149 Resp: 3492

Ion	Ratio	Lower	Upper
149	100		
91	84.1	63.8	95.6
206	19.2	15.1	22.7



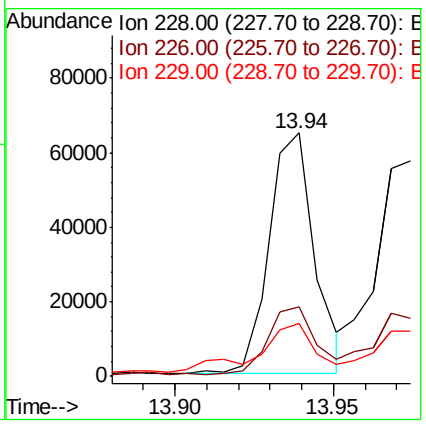


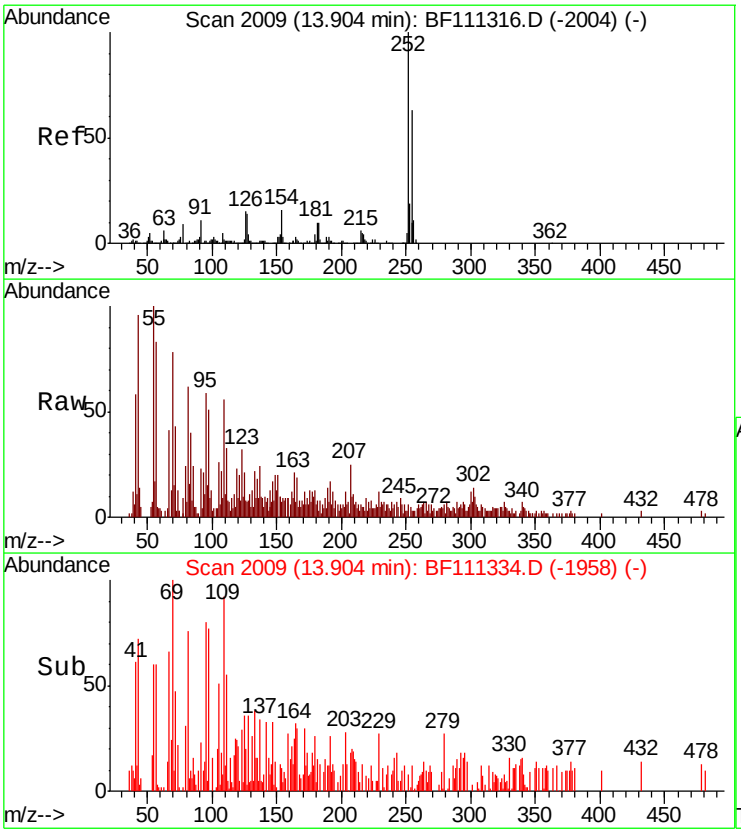
#81
Benzo(a)anthracene
Concen: 2.769 ng
RT: 13.94 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:228 Resp: 64673

Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	34.0
229	21.9	16.3	24.5

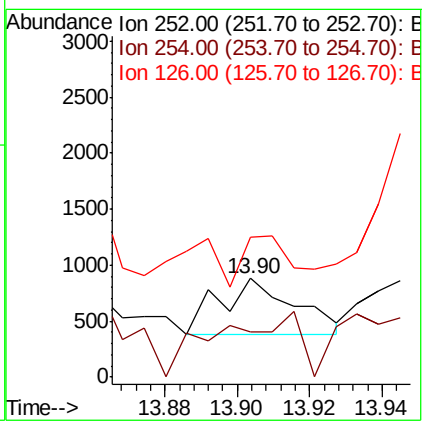


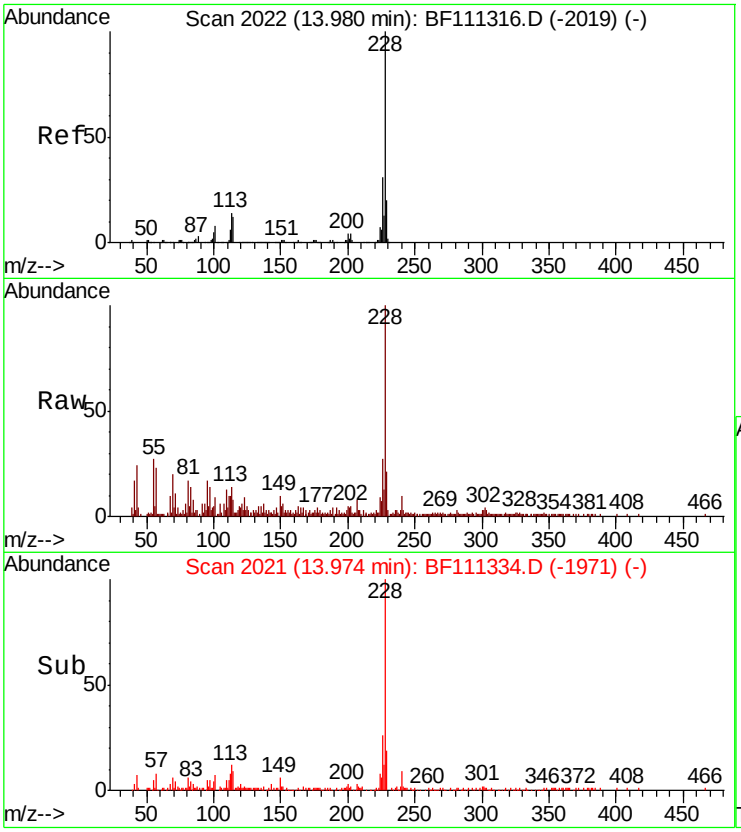


#82
3,3'-Dichlorobenzidine
Concen: 0.082 ng
RT: 13.90 min Scan# 2009
Delta R.T. -0.00 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Tgt Ion:252 Resp: 727

Ion	Ratio	Lower	Upper
252	100		
254	45.3	52.7	79.1#
126	142.0	11.1	16.7#



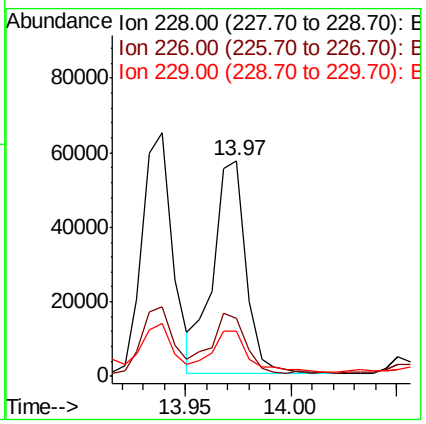


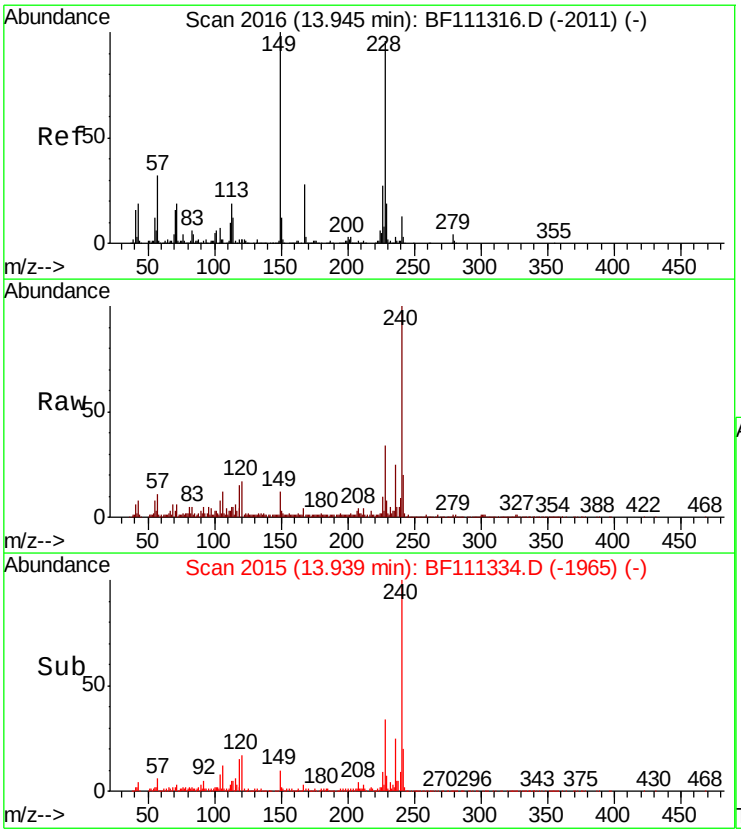
#83
Chrysene
Concen: 2.615 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:228 Resp: 62318

Ion	Ratio	Lower	Upper
228	100		
226	26.7	25.3	37.9
229	20.9	17.2	25.8

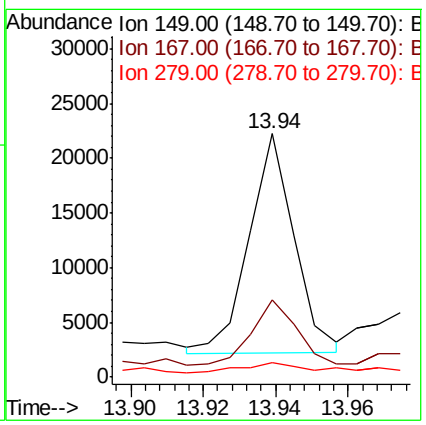


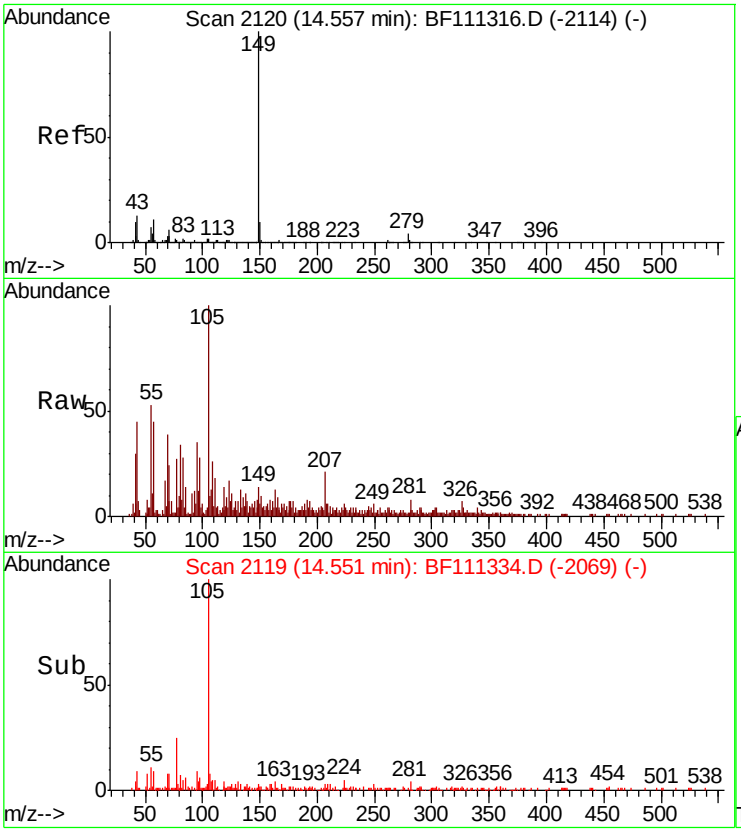


#84
Bis(2-ethylhexyl)phthalate
Concen: 0.920 ng
RT: 13.94 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Tgt Ion:149 Resp: 17391

Ion	Ratio	Lower	Upper
149	100		
167	31.9	22.5	33.7
279	6.2	2.6	4.0#



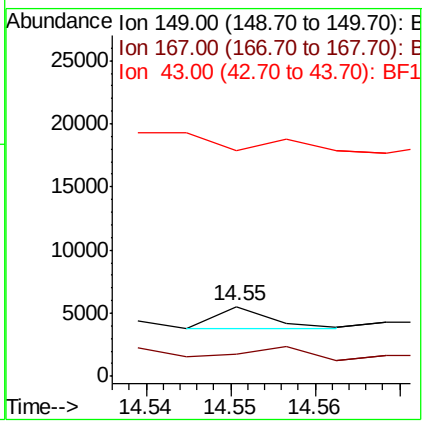


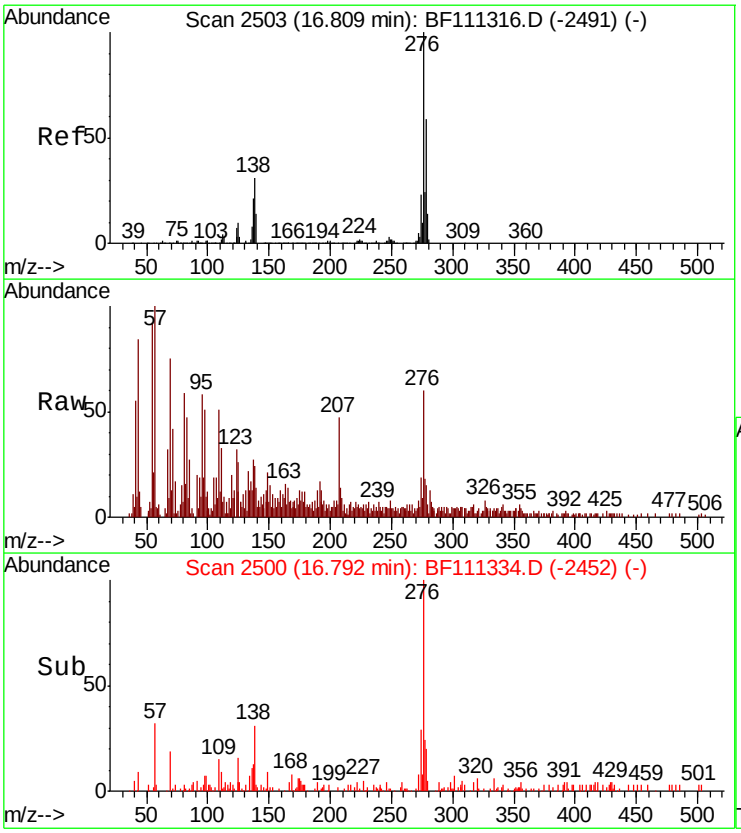
#85
Di-n-octyl phthalate
Concen: 0.025 ng
RT: 14.55 min Scan# 2119
Delta R.T. -0.01 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:149 Resp: 761

Ion	Ratio	Lower	Upper
149	100		
167	0.0	1.3	1.9#
43	0.0	10.9	16.3#

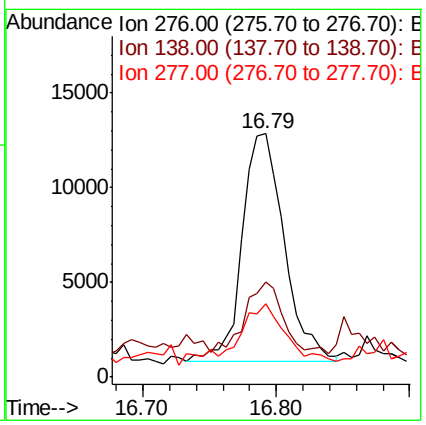


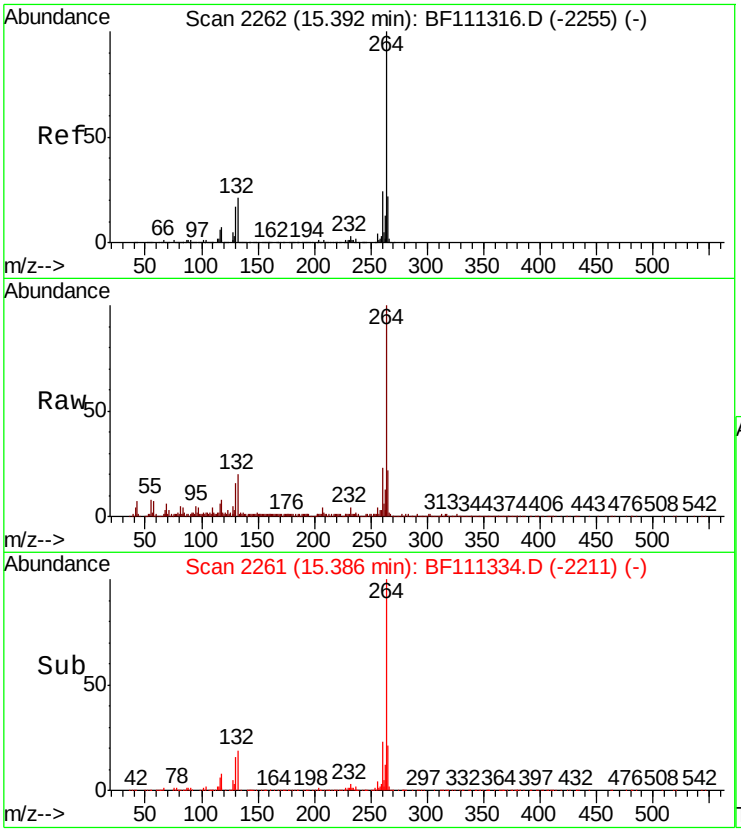


#86
Indeno(1,2,3-cd)pyrene
Concen: 1.398 ng
RT: 16.79 min Scan# 2500
Delta R.T. -0.02 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Tgt Ion:276 Resp: 26061

Ion	Ratio	Lower	Upper
276	100		
138	26.5	27.8	41.6#
277	26.9	20.1	30.1



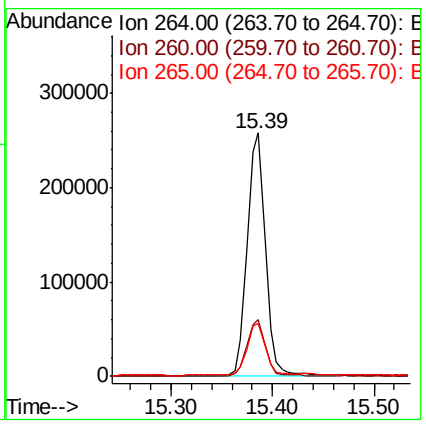


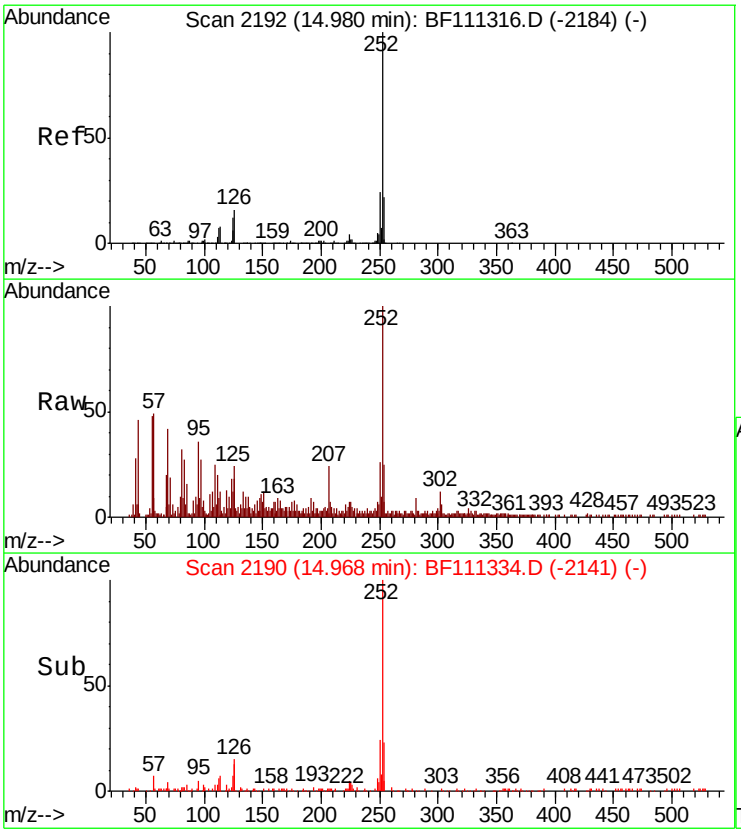
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2261
Delta R.T. -0.01 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:264 Resp: 321275

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.3	27.5
265	21.5	17.7	26.5

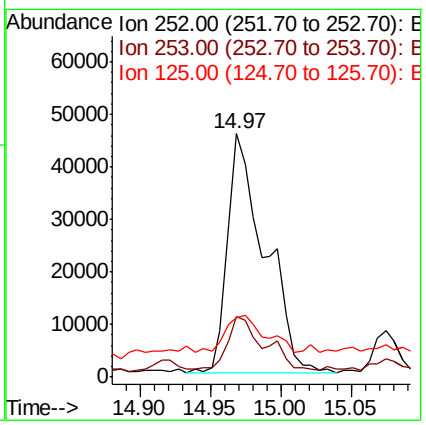


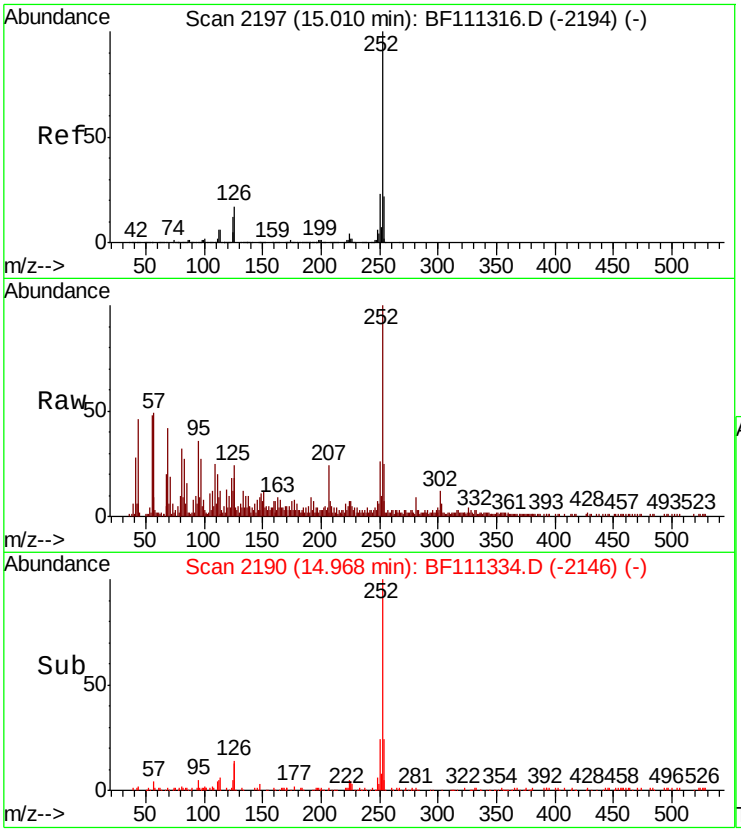


#88
Benzo(b)fluoranthene
Concen: 4.622 ng
RT: 14.97 min Scan# 2190
Delta R.T. -0.01 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Tgt Ion:252 Resp: 84431

Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.2	27.2
125	24.4	10.4	15.6#



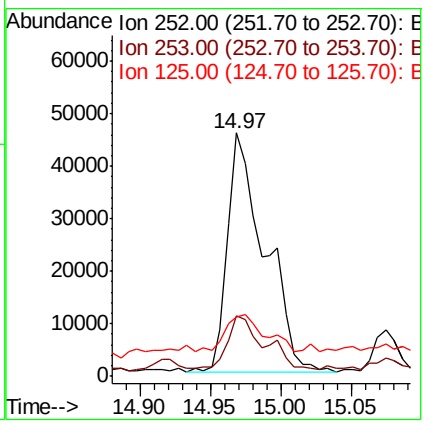


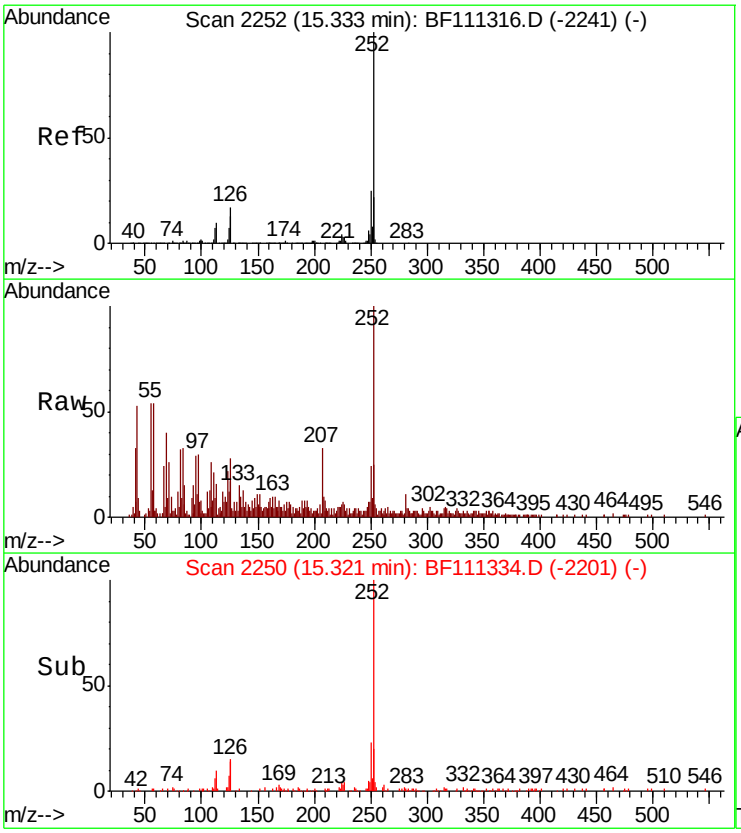
#89
Benzo(k)fluoranthene
Concen: 4.630 ng
RT: 14.97 min Scan# 2190
Delta R.T. -0.04 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:252 Resp: 84431

Ion	Ratio	Lower	Upper
252	100		
253	25.1	18.1	27.1
125	24.4	9.8	14.8#

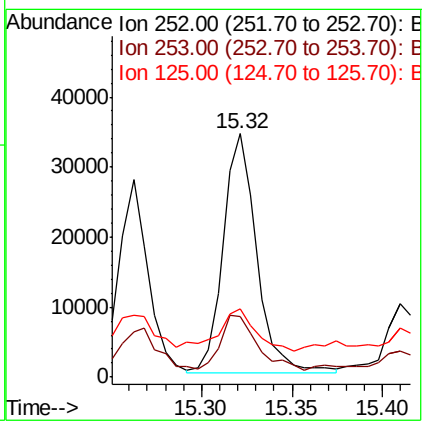


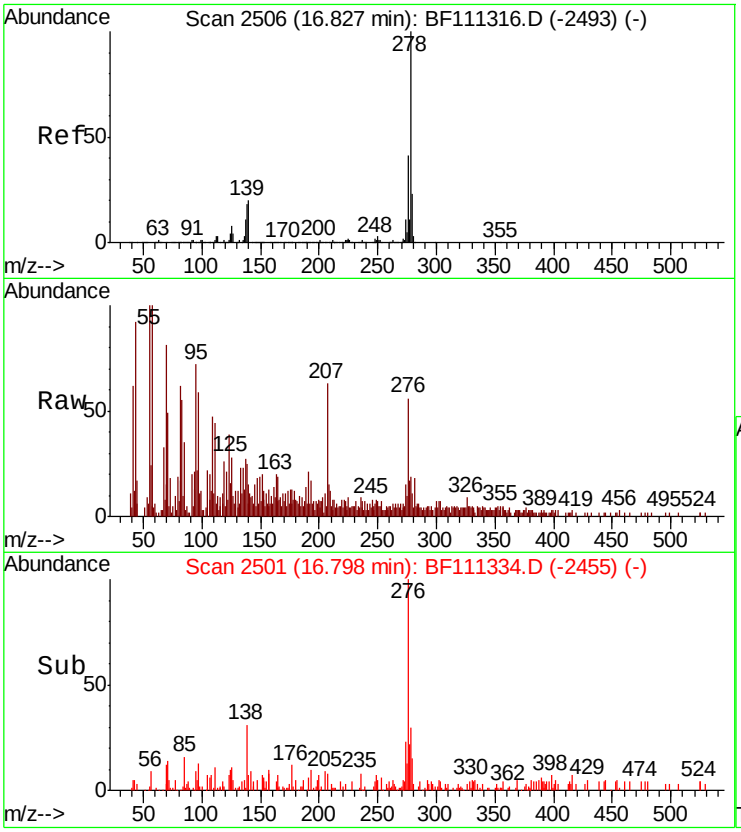


#90
Benzo(a)pyrene
Concen: 2.581 ng
RT: 15.32 min Scan# 2250
Delta R.T. -0.01 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Tgt Ion:252 Resp: 43903

Ion	Ratio	Lower	Upper
252	100		
253	24.9	17.8	26.8
125	28.0	12.3	18.5#



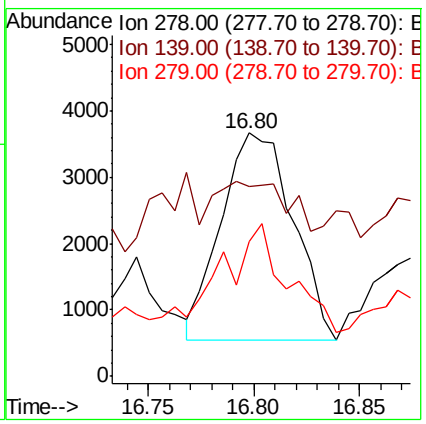


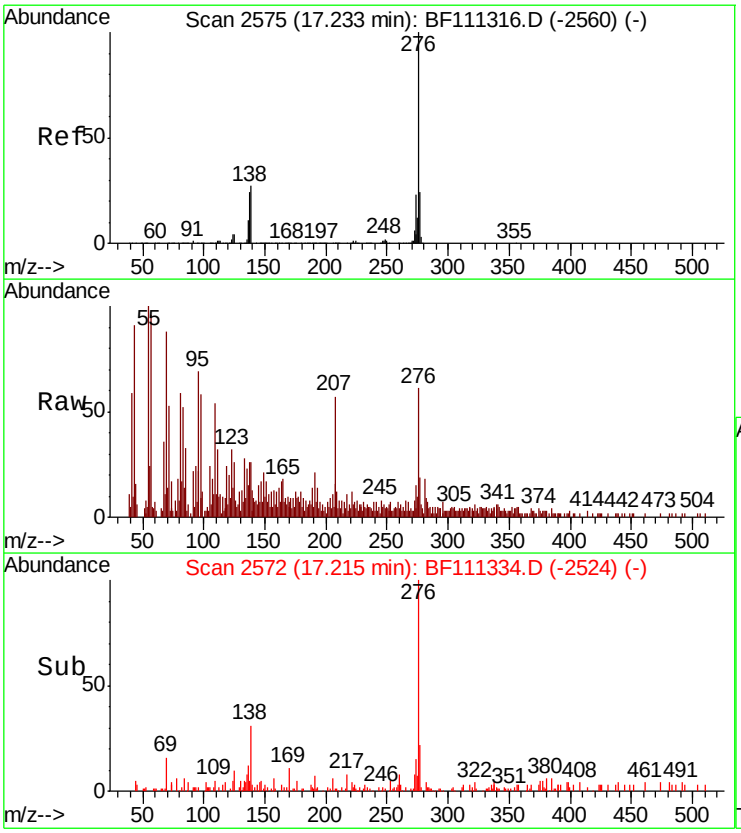
#91
Dibenzo(a,h)anthracene
Concen: 0.518 ng
RT: 16.80 min Scan# 2501
Delta R.T. -0.03 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Instrument :
BNA_F
ClientSampleId :
TP-4

Tgt Ion:278 Resp: 7335

Ion	Ratio	Lower	Upper
278	100		
139	77.9	18.2	27.4#
279	55.3	19.0	28.6#





#92
Benzo(g,h,i)perylene
Concen: 1.751 ng
RT: 17.22 min Scan# 2572
Delta R.T. -0.02 min
Lab File: BF111334.D
Acq: 12 Dec 2018 21:06

Tgt Ion:276 Resp: 24779

Ion	Ratio	Lower	Upper
276	100		
277	30.8	19.2	28.8#
138	42.1	24.9	37.3#