Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072018\
Data File : BF107531.D
Acq On : 20 Jul 2018 18:45
Operator : JU/SJ
Sample : PB111220BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PB111220BL

Quant Time: Jul 20 22:44:52 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 20 16:29:27 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	312234	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	1215662	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	562102	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	1169773	20.00	ng	0.00
75) Chrysene-d12	14.15	240	1012926	20.00	ng	-0.01
86) Perylene-d12	15.69	264	826180	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	2016861	103.86	ng	0.00
7) Phenol-d6	6.61	99	2436879	104.51	ng	0.00
23) Nitrobenzene-d5	7.54	82	1486709	82.53	ng	-0.01
41) 2,4,6-Tribromophenol	10.81	330	739153	115.64	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	2656798	79.53	ng	0.00
78) Terphenyl-d14	13.10	244	2994425	75.68	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.78	88	107	0.012	ng	# 1
3) Pyridine	3.69	79	110	0.004	ng	# 6
4) n-Nitrosodimethylamine	3.62	42	235	0.023	ng	# 1
6) Aniline	6.66	93	571	0.019	ng	# 1
8) 2-Chlorophenol	6.75	128	964	0.046	ng	# 1
9) Benzaldehyde	6.75	77	44303	1.026	ng	80
10) Phenol	6.61	94	308	0.011	ng	# 1
11) bis(2-Chloroethyl)ether	6.74	93	3005	0.132	ng	# 1
12) 1,3-Dichlorobenzene	7.13	146	463	0.020	ng	# 1
13) 1,4-Dichlorobenzene	7.13	146	463	0.019	ng	# 1
14) 1,2-Dichlorobenzene	7.13	146	463	0.021	ng	# 1
15) Benzyl Alcohol	7.12	79	24313	1.530	ng	# 48
16) 2,2'-oxybis(1-Chloropropan	7.40	45	162	0.004	ng	70
17) 2-Methylphenol	7.23	107	110	0.006	ng	# 1
18) Hexachloroethane	7.38	117	128	0.015	ng	# 2
19) n-Nitroso-di-n-propylamine	7.54	70	199874	13.268	ng	# 79
20) 3+4-Methylphenols	7.41	107	106	0.005	ng	# 20
22) Acetophenone	7.55	105	162	0.006	ng	# 1
24) Nitrobenzene	7.54	77	5024	0.244	ng	# 32
25) Isophorone	7.54	82	1486699	38.655	ng	# 64
28) bis(2-Chloroethoxy)methane	8.25	93	394	0.015	ng	# 1
31) Naphthalene	8.28	128	238	0.004	ng	# 68
33) 4-Chloroaniline	8.37	127	110	0.005	ng	# 46
37) 2-Methylnaphthalene	9.08	142	122	0.003	ng	# 15
45) 1,1'-Biphenyl	9.43	154	6238	0.127	ng	89
46) 2-Chloronaphthalene	9.46	162	106	0.003	ng	# 37
47) 2-Nitroaniline	9.33	65	5486	0.503	ng	# 3
48) Acenaphthylene	9.87	152	385	0.007	ng	# 60
50) 2,6-Dinitrotoluene	10.01	165	69333	8.243	ng	# 26
51) Acenaphthene	10.05	154	397	0.011	ng	# 61
54) Dibenzofuran	10.22	168	173	0.003	ng	# 45
55) 4-Nitrophenol	10.21	139	124	0.016	ng	# 9
56) 2,4-Dinitrotoluene	10.01	165	69333	6.829	ng	# 24
57) Fluorene	10.81	166	29961	0.810	ng	# 91

Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072018\
Data File : BF107531.D
Acq On : 20 Jul 2018 18:45
Operator : JU/SJ
Sample : PB111220BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : PB111220BL

Quant Time: Jul 20 22:44:52 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 20 16:29:27 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
59) Diethylphthalate	10.42	149	347	0.008	ng	#	61
62) Azobenzene	10.72	77	615	0.015	ng	#	54
64) 4,6-Dinitro-2-methylphenol	10.81	198	1312	8.871	ng	#	1
65) n-Nitrosodiphenylamine	10.81	169	20280	0.510	ng	#	43
66) 4-Bromophenyl-phenylether	10.81	248	43711	3.174	ng	#	1
70) Phenanthrene	11.53	178	675	0.012	ng	#	59
71) Anthracene	11.58	178	767	0.013	ng	#	60
72) Carbazole	11.75	167	1825	0.031	ng	#	69
73) Di-n-butylphthalate	12.05	149	3596	Below Cal		#	78
74) Fluoranthene	12.72	202	1028	0.017	ng		62
76) Benzidine	12.85	184	4475	0.153	ng	#	66
77) Pyrene	12.96	202	1017	0.015	ng	#	74
79) Butylbenzylphthalate	13.57	149	1048	0.035	ng	#	57
80) Benzo(a)anthracene	14.15	228	6254	0.105	ng		96
81) 3,3'-Dichlorobenzidine	14.11	252	792	Below Cal		#	75
82) Chrysene	14.15	228	6254	0.110	ng		93
83) Bis(2-ethylhexyl)phthalate	14.11	149	2549	0.061	ng	#	94
84) Di-n-octyl phthalate	14.74	149	5713	0.087	ng	#	65
85) Indeno(1,2,3-cd)pyrene	17.25	276	8450	0.175	ng		97
87) Benzo(b)fluoranthene	15.22	252	6111	0.135	ng	#	88
88) Benzo(k)fluoranthene	15.25	252	5607	0.127	ng	#	92
89) Benzo(a)pyrene	15.62	252	5922	0.143	ng	#	78
90) Dibenzo(a,h)anthracene	17.27	278	5785	0.162	ng	#	92
91) Benzo(g,h,i)perylene	17.74	276	7282	0.206	ng	#	93

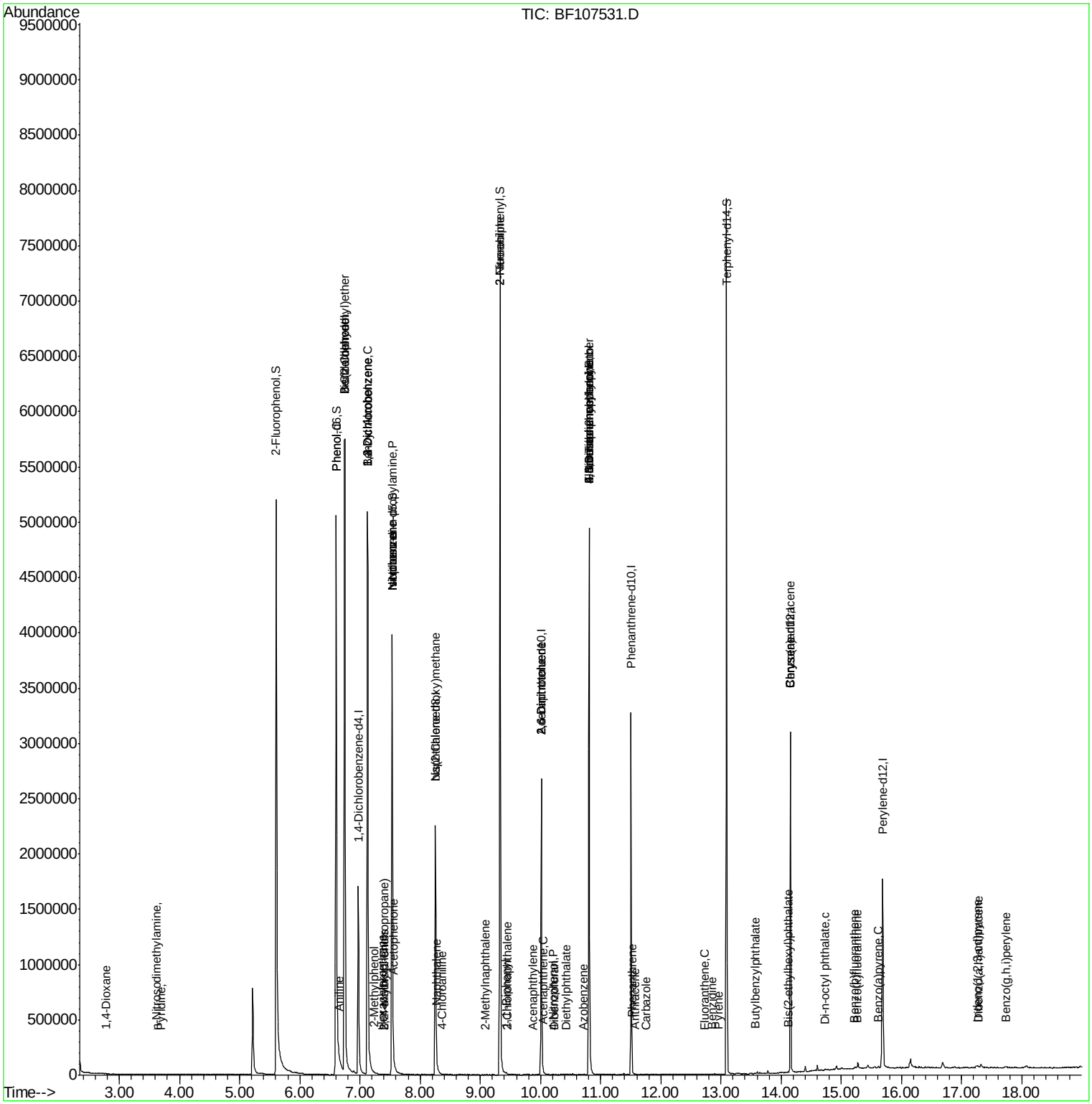
(#) = qualifier out of range (m) = manual integration (+) = signals summed

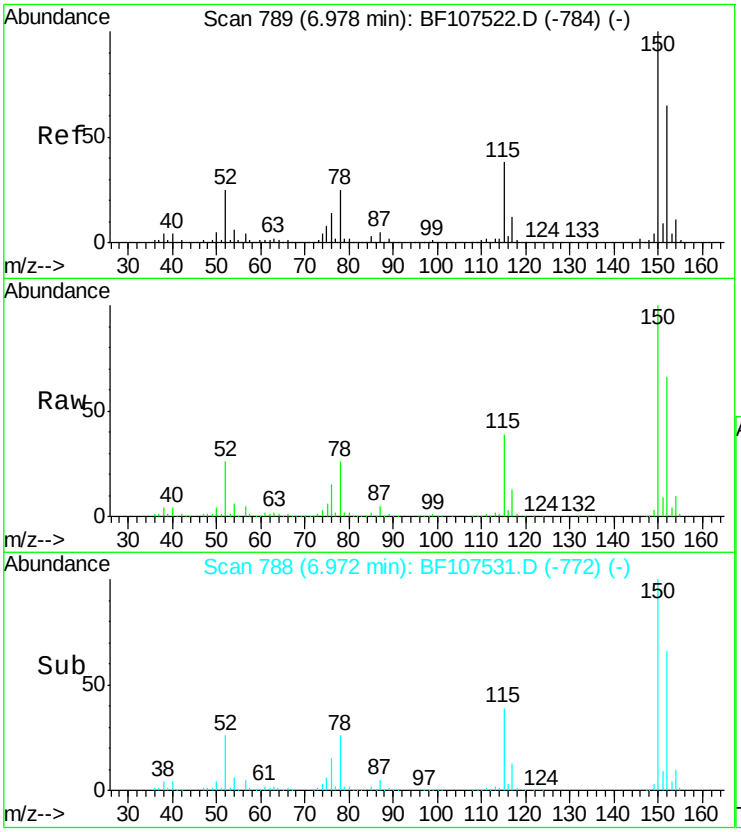
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072018\
Data File : BF107531.D
Acq On : 20 Jul 2018 18:45
Operator : JU/SJ
Sample : PB111220BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB111220BL

Quant Time: Jul 20 22:44:52 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 20 16:29:27 2018
Response via : Initial Calibration



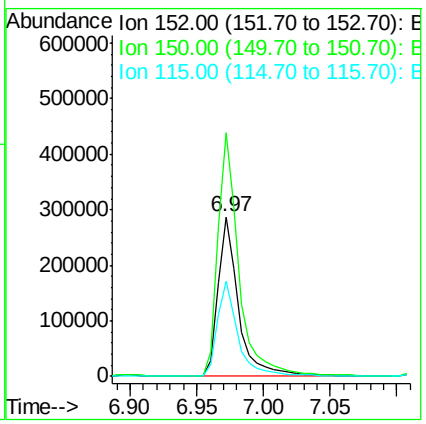


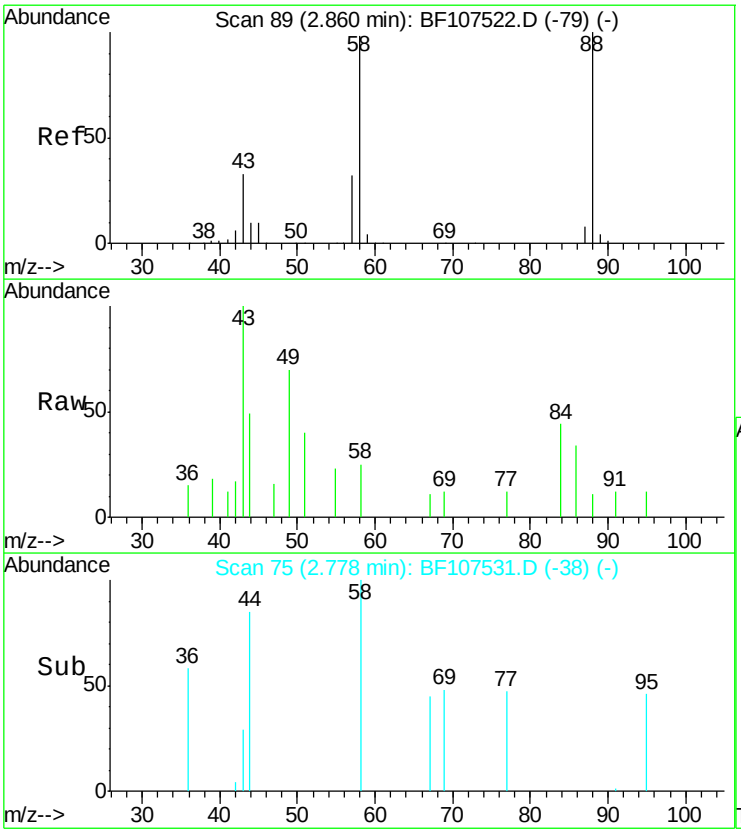
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 788
Delta R.T. -0.01 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Instrument :
BNA_F
ClientSampleId :
PB111220BL

Tgt Ion:152 Resp: 312234

Ion	Ratio	Lower	Upper
152	100		
150	152.6	124.6	186.8
115	59.4	50.1	75.1

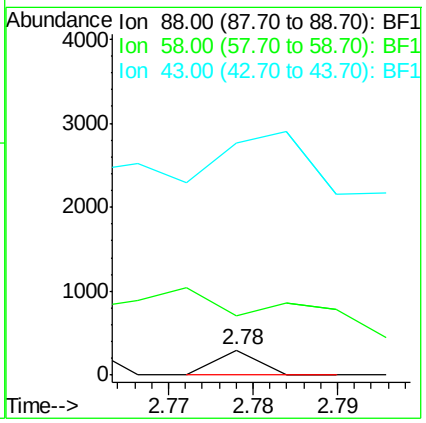


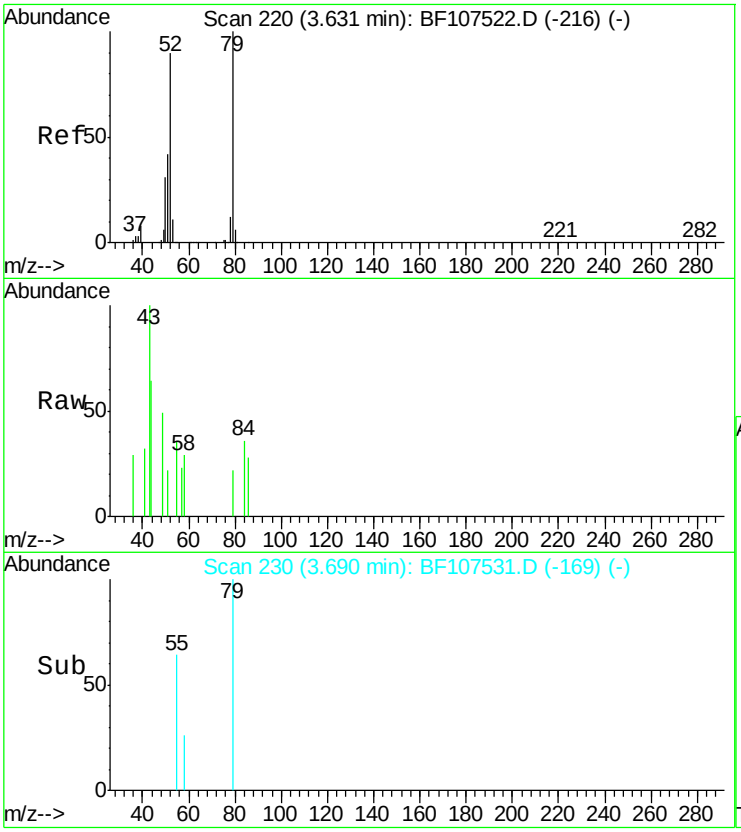


#2
1,4-Dioxane
Concen: 0.012 ng
RT: 2.78 min Scan# 75
Delta R.T. -0.08 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Tgt Ion: 88 Resp: 107

Ion	Ratio	Lower	Upper
88	100		
58	0.0	62.6	93.8#
43	431.8	24.6	37.0#



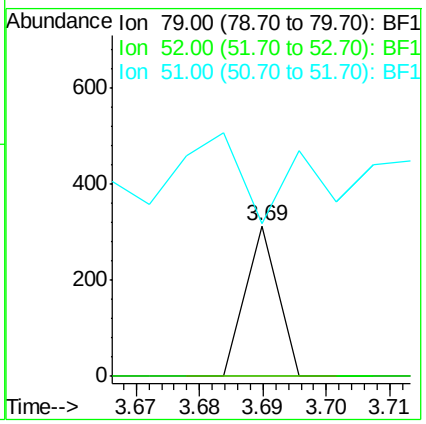


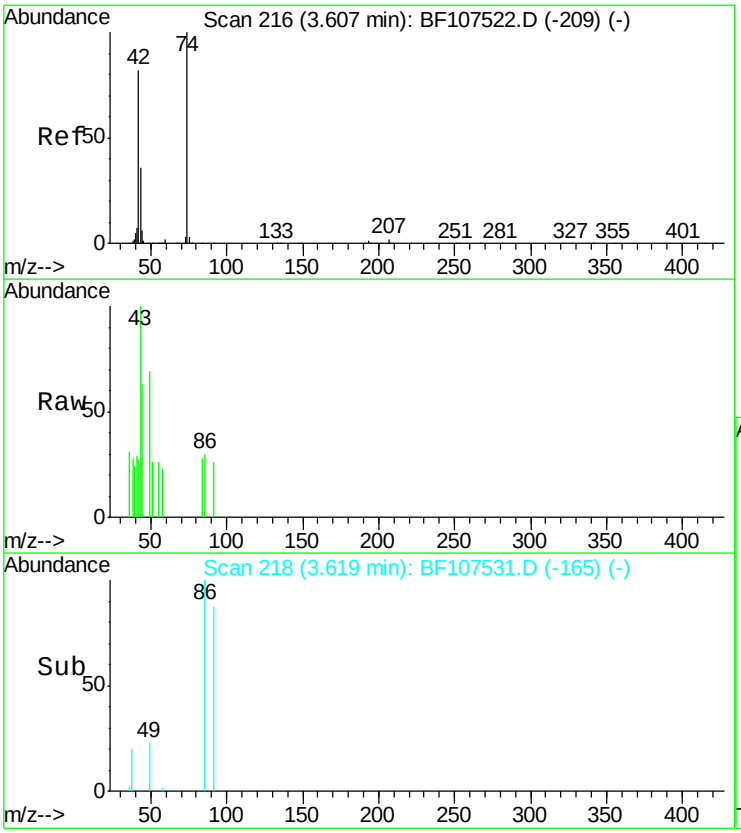
#3
Pyridine
Concen: 0.004 ng
RT: 3.69 min Scan# 230
Delta R.T. 0.06 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Instrument :
BNA_F
ClientSampleId :
PB111220BL

Tgt Ion: 79 Resp: 110

Ion	Ratio	Lower	Upper
79	100		
52	0.0	59.8	89.6#
51	101.3	29.8	44.8#

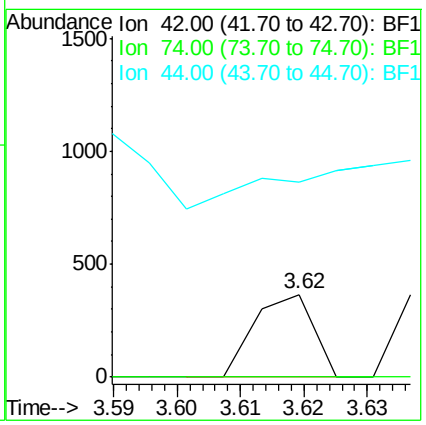


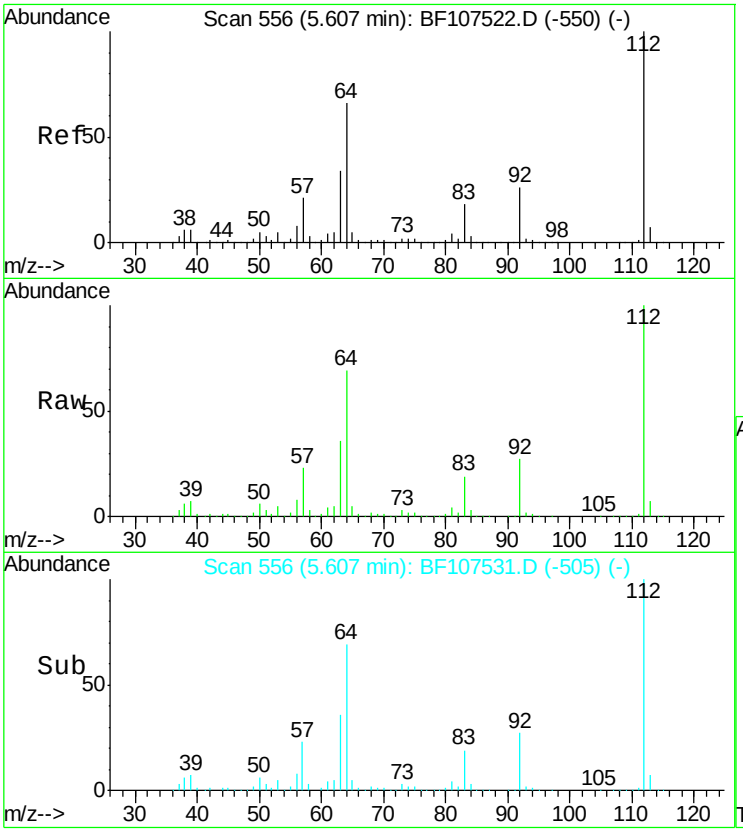


#4
n-Nitrosodimethylamine
Concen: 0.023 ng
RT: 3.62 min Scan# 218
Delta R.T. 0.01 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Tgt Ion: 42 Resp: 235

Ion	Ratio	Lower	Upper
42	100		
74	0.0	104.9	157.3#
44	236.1	6.9	10.3#



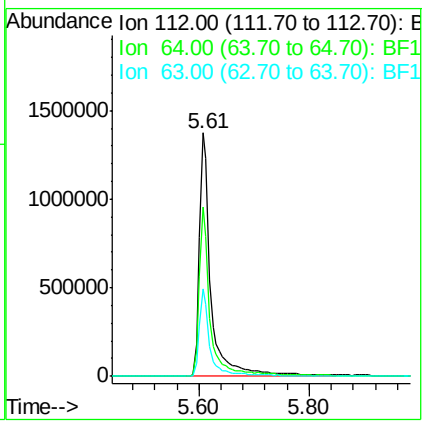


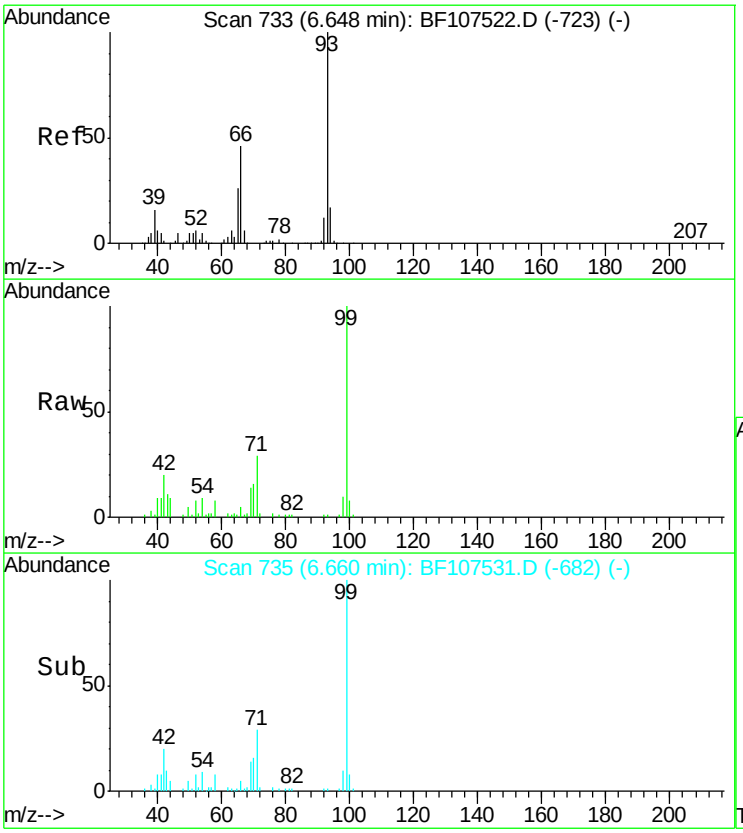
#5
2-Fluorophenol
Concen: 103.856 ng
RT: 5.61 min Scan# 556
Delta R.T. 0.00 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Instrument :
BNA_F
ClientSampleId :
PB111220BL

Tgt Ion:112 Resp: 2016861

Ion	Ratio	Lower	Upper
112	100		
64	69.4	47.9	71.9
63	36.0	23.7	35.5#

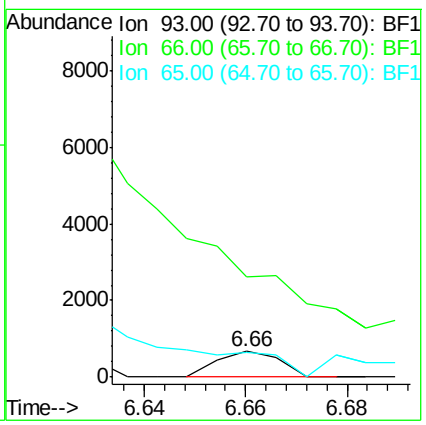


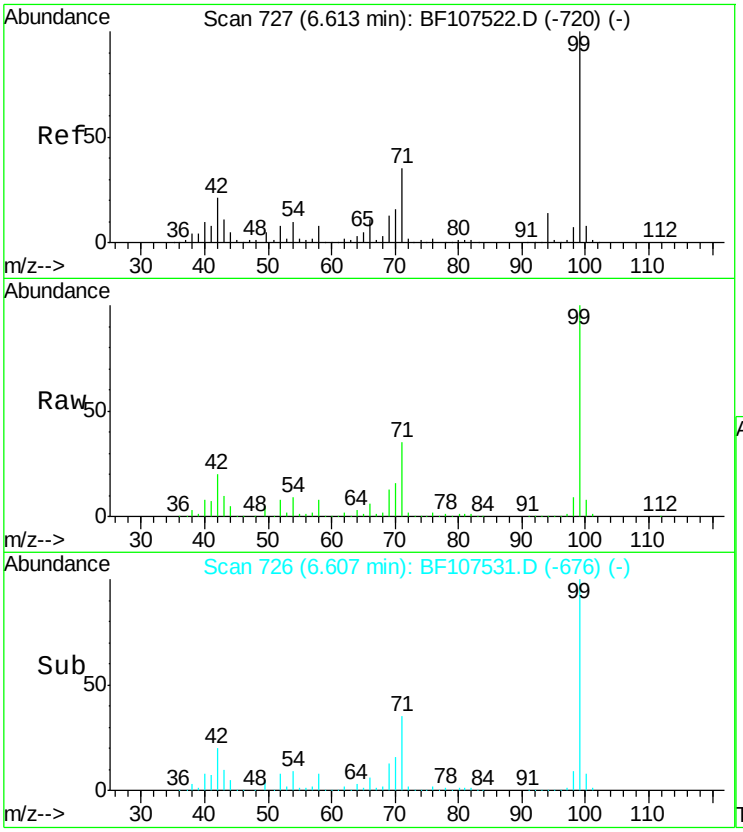


#6
Aniline
Concen: 0.019 ng
RT: 6.66 min Scan# 735
Delta R.T. 0.01 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Tgt Ion: 93 Resp: 571

Ion	Ratio	Lower	Upper
93	100		
66	393.2	32.2	48.2#
65	95.5	16.4	24.6#



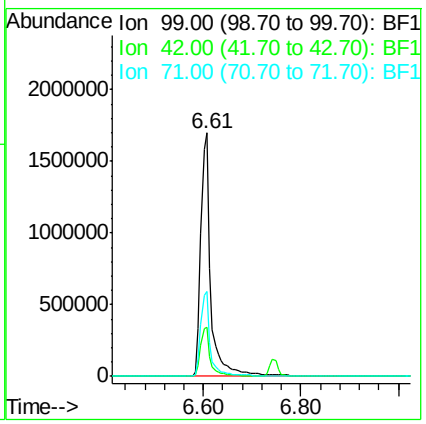


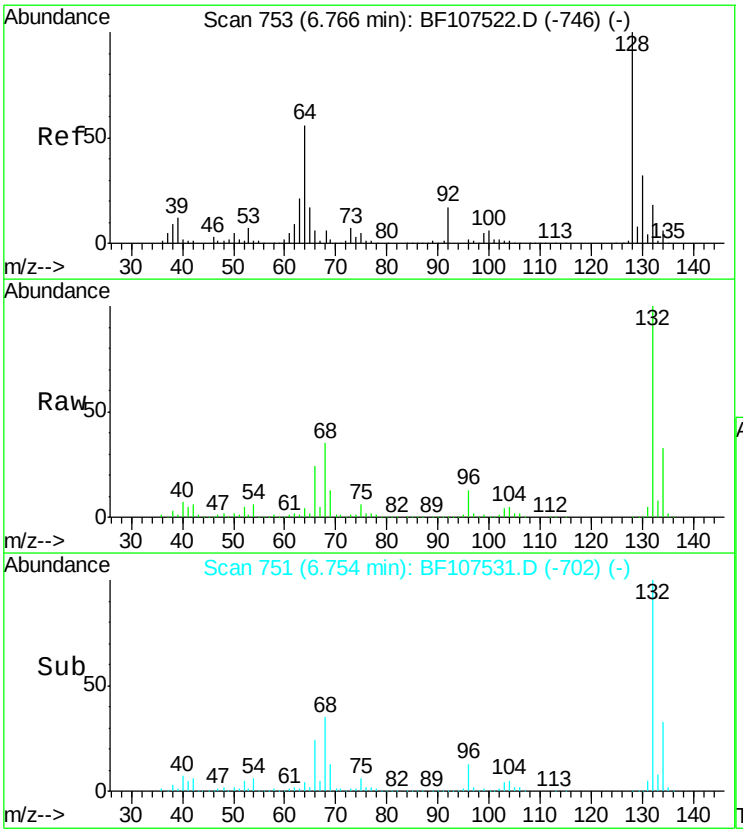
#7
Phenol-d6
Concen: 104.506 ng
RT: 6.61 min Scan# 726
Delta R.T. -0.01 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Instrument :
BNA_F
ClientSampleId :
PB111220BL

Tgt Ion: 99 Resp: 2436879

Ion	Ratio	Lower	Upper
99	100		
42	19.9	14.5	21.7
71	34.9	25.4	38.0

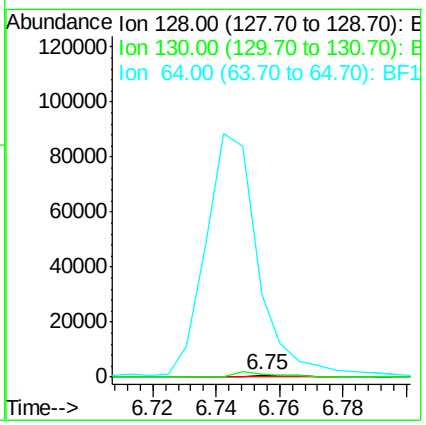


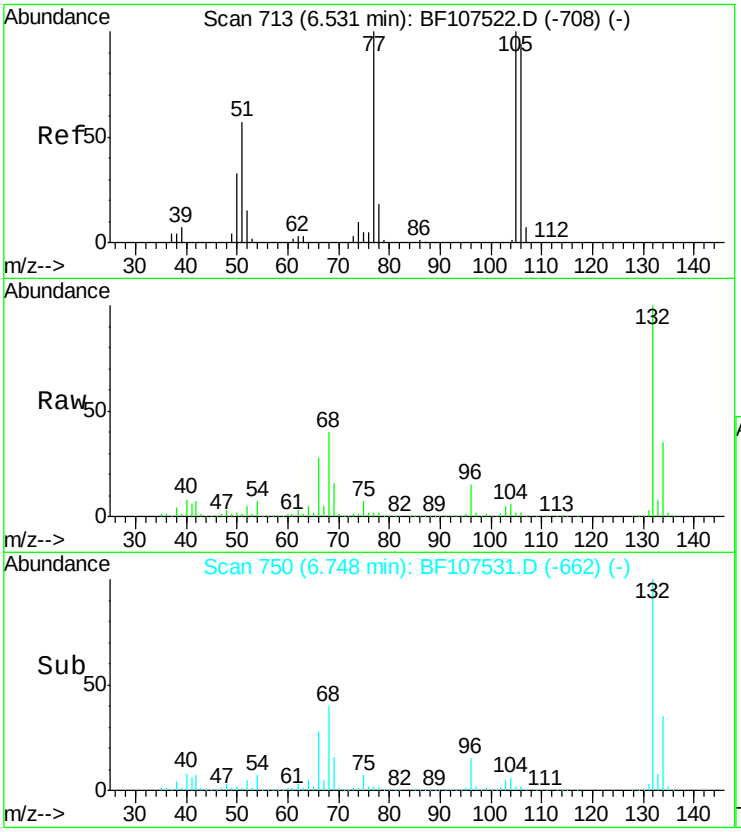


#8
2-Chlorophenol
Concen: 0.046 ng
RT: 6.75 min Scan# 751
Delta R.T. -0.01 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Tgt Ion:128 Resp: 964

Ion	Ratio	Lower	Upper
128	100		
130	129.8	13.0	53.0#
64	4071.7	29.4	69.4#



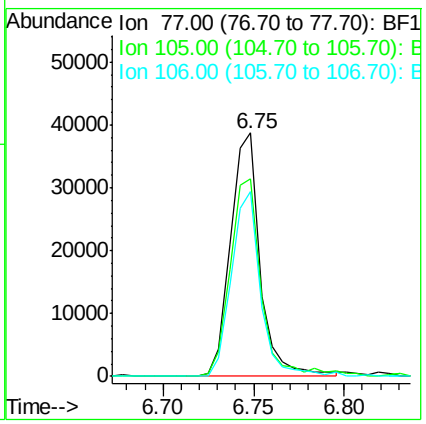


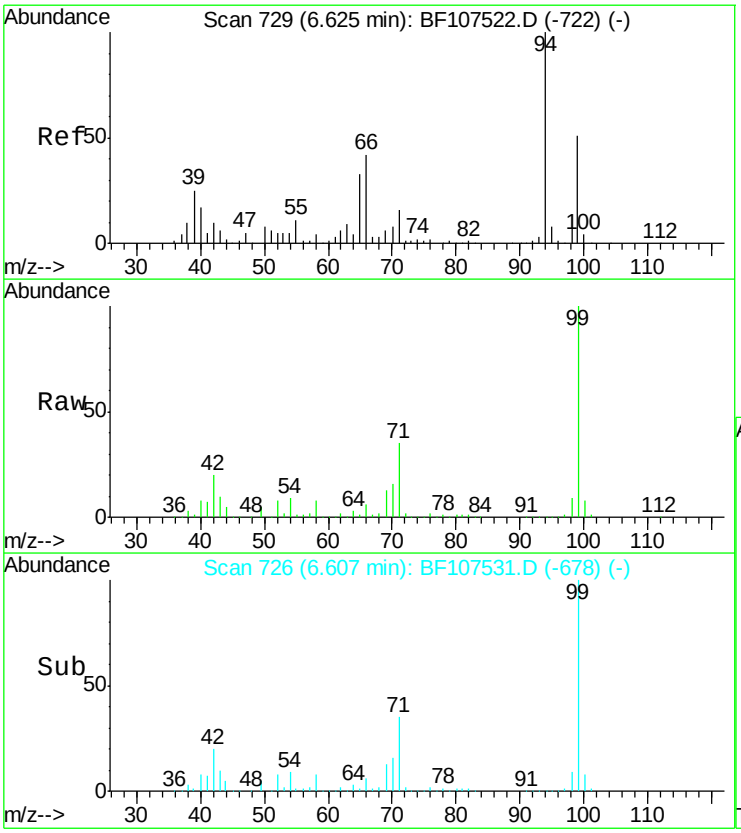
#9
Benzaldehyde
Concen: 1.026 ng
RT: 6.75 min Scan# 750
Delta R.T. 0.22 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Instrument :
BNA_F
ClientSampleId :
PB111220BL

Tgt Ion: 77 Resp: 44303

Ion	Ratio	Lower	Upper
77	100		
105	81.2	81.1	121.1
106	75.8	74.5	114.5

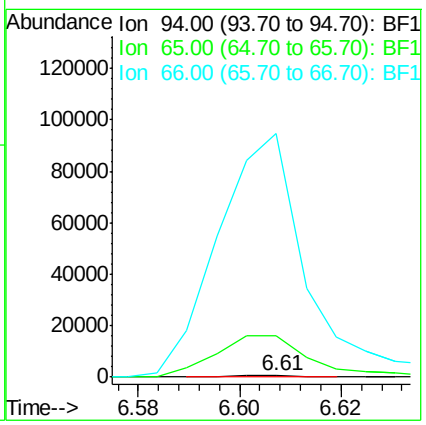


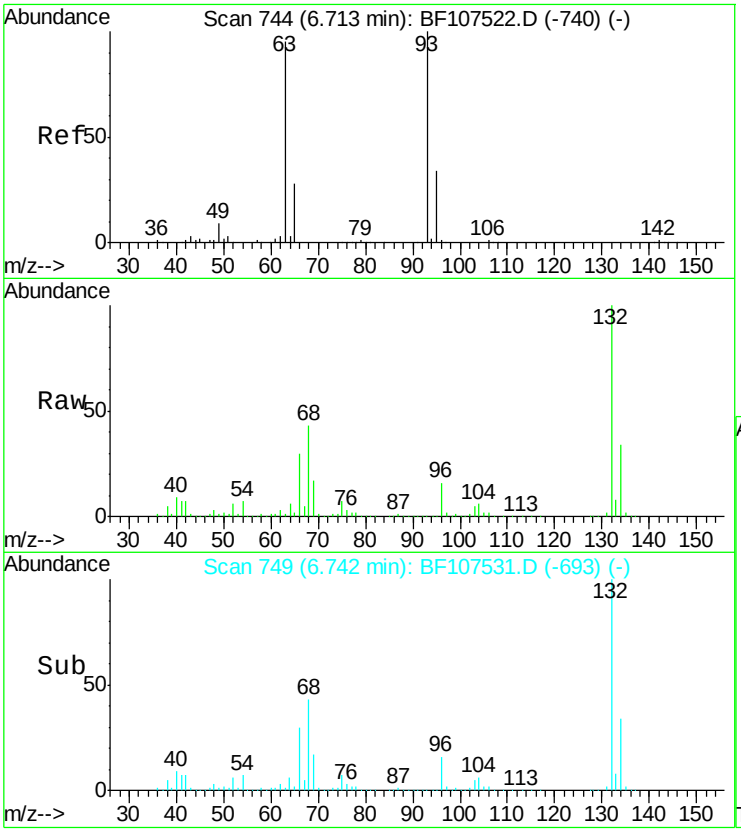


#10
Phenol
Concen: 0.011 ng
RT: 6.61 min Scan# 726
Delta R.T. -0.02 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Tgt Ion: 94 Resp: 308

Ion	Ratio	Lower	Upper
94	100		
65	3548.7	7.9	47.9#
66	21031.1	16.2	56.2#



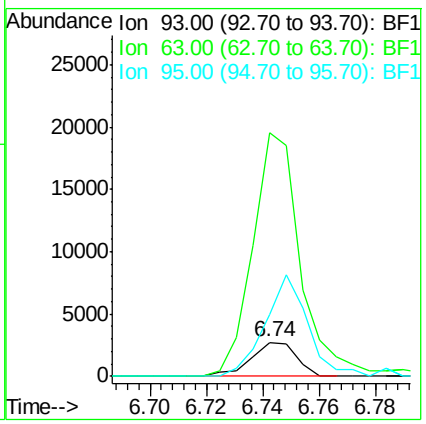


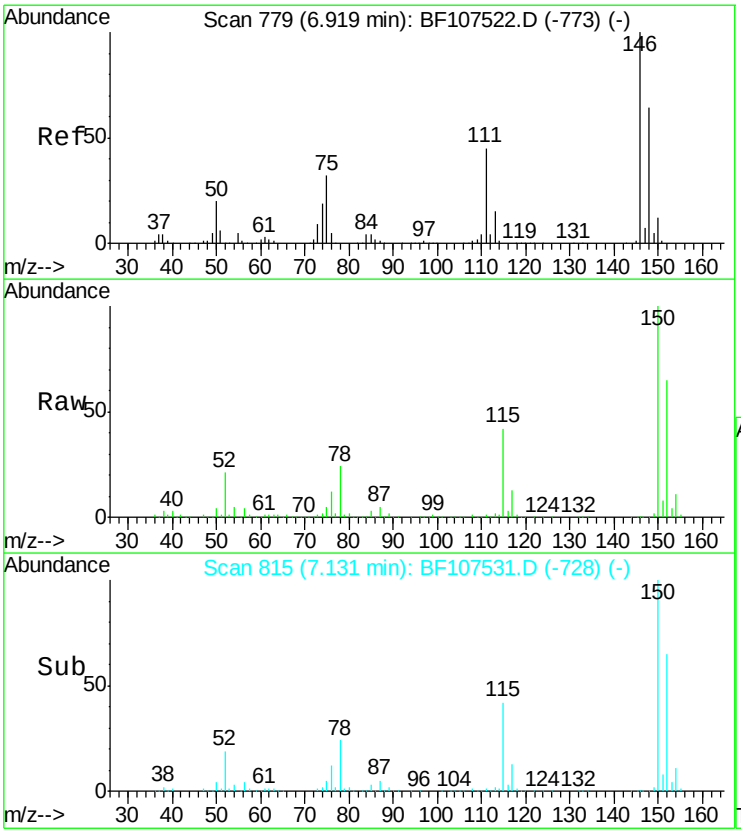
#11
bis(2-Chloroethyl)ether
Concen: 0.132 ng
RT: 6.74 min Scan# 749
Delta R.T. 0.03 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Instrument :
BNA_F
ClientSampleId :
PB111220BL

Tgt Ion: 93 Resp: 3005

Ion	Ratio	Lower	Upper
93	100		
63	720.1	58.6	98.6#
95	184.3	11.8	51.8#

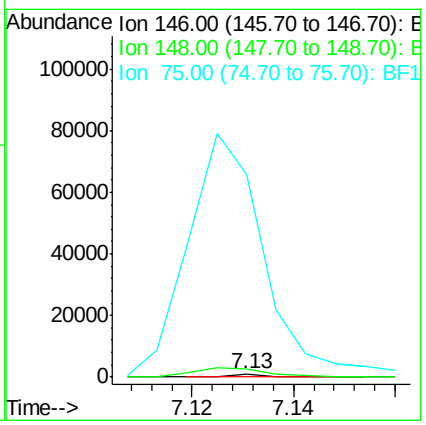


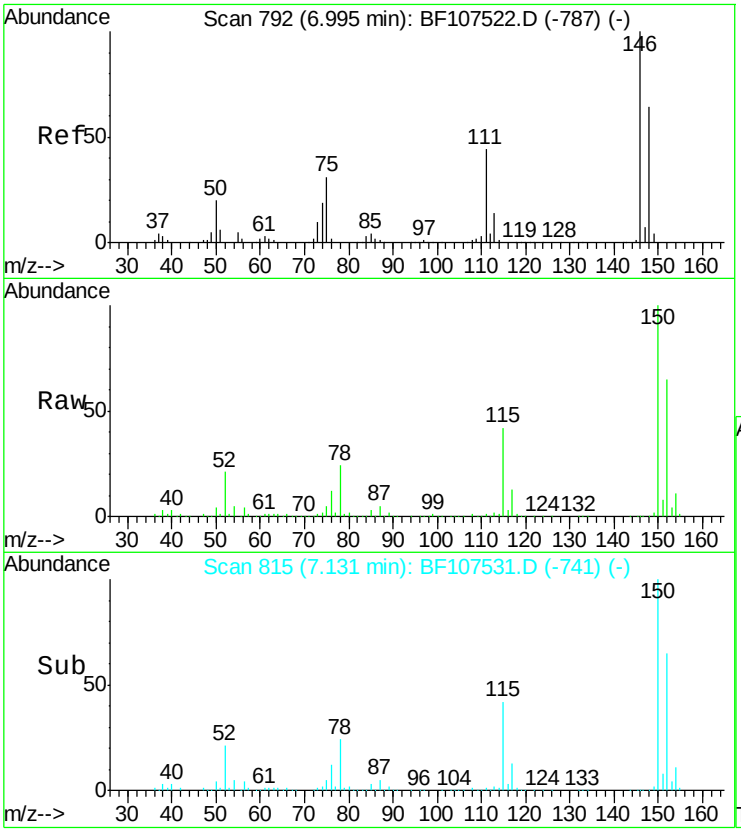


#12
1,3-Dichlorobenzene
Concen: 0.020 ng
RT: 7.13 min Scan# 815
Delta R.T. 0.21 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Tgt Ion:146 Resp: 463

Ion	Ratio	Lower	Upper
146	100		
148	278.8	51.8	77.8#
75	6756.6	24.2	36.4#



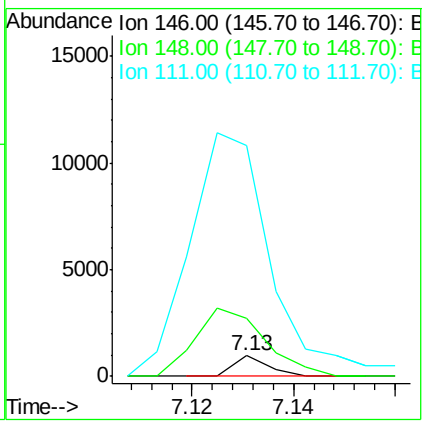


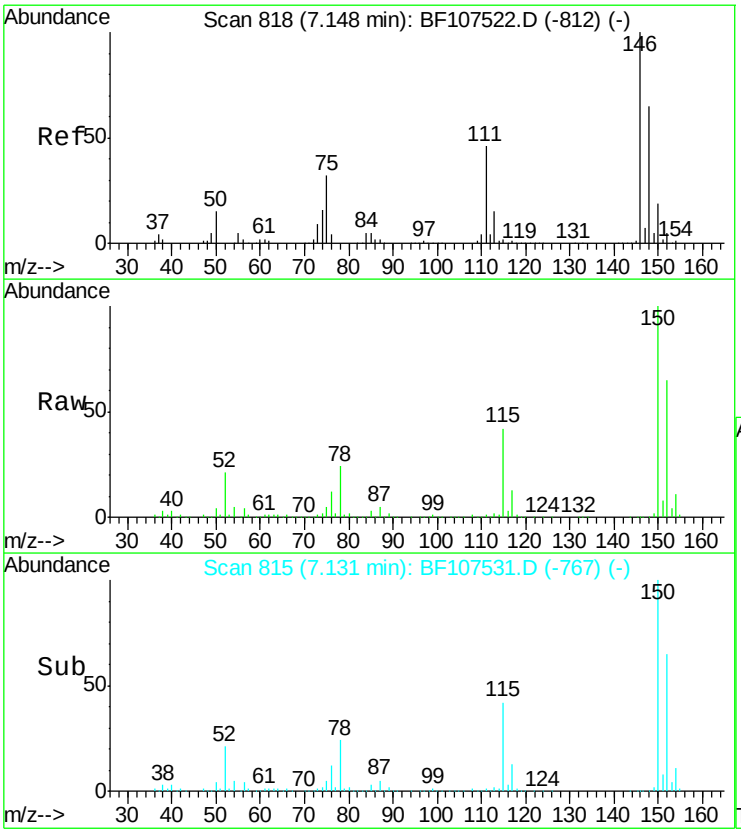
#13
1,4-Dichlorobenzene
Concen: 0.019 ng
RT: 7.13 min Scan# 815
Delta R.T. 0.14 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Instrument :
BNA_F
ClientSampleId :
PB111220BL

Tgt Ion:146 Resp: 463

Ion	Ratio	Lower	Upper
146	100		
148	278.8	50.8	76.2#
111	1105.2	34.2	51.2#

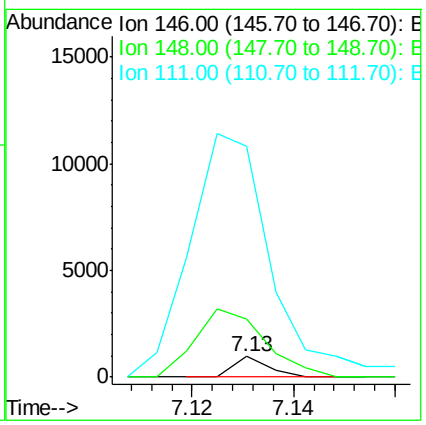


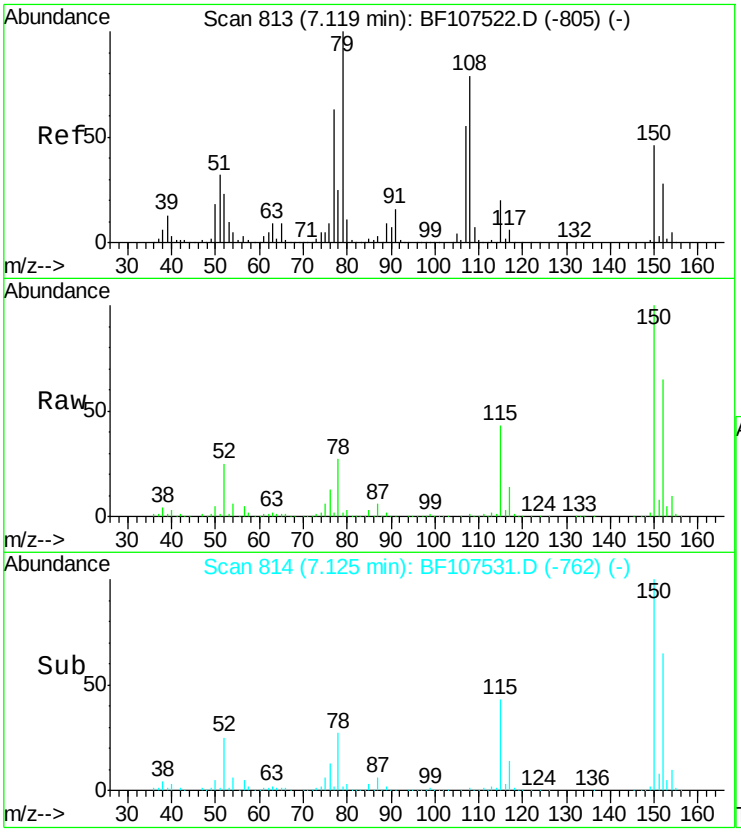


#14
1,2-Dichlorobenzene
Concen: 0.021 ng
RT: 7.13 min Scan# 815
Delta R.T. -0.02 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Tgt Ion:146 Resp: 463

Ion	Ratio	Lower	Upper
146	100		
148	278.8	50.6	75.8#
111	1105.2	36.0	54.0#



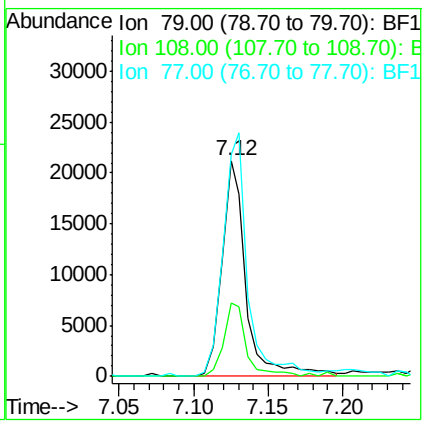


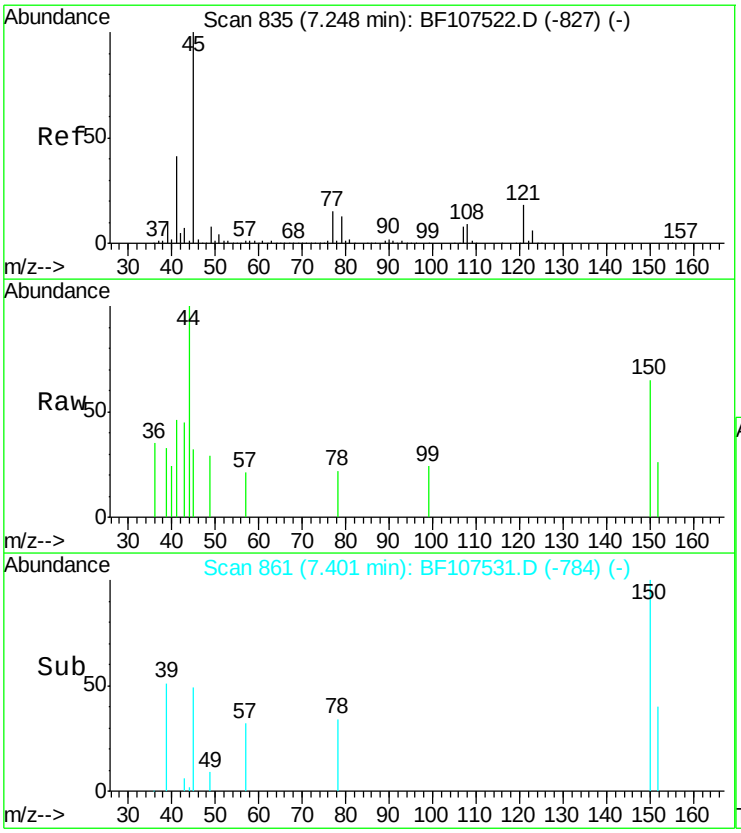
#15
Benzyl Alcohol
Concen: 1.530 ng
RT: 7.12 min Scan# 814
Delta R.T. 0.01 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Instrument :
BNA_F
ClientSampleId :
PB111220BL

Tgt Ion: 79 Resp: 24313

Ion	Ratio	Lower	Upper
79	100		
108	33.8	65.1	97.7#
77	102.9	50.6	75.8#

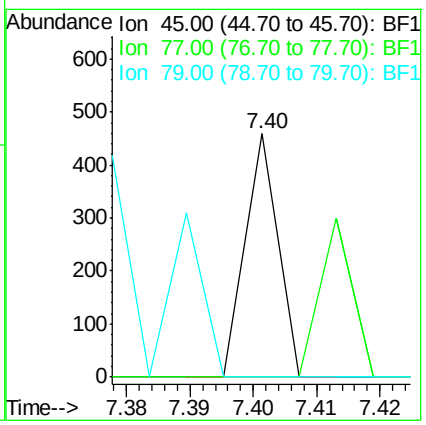


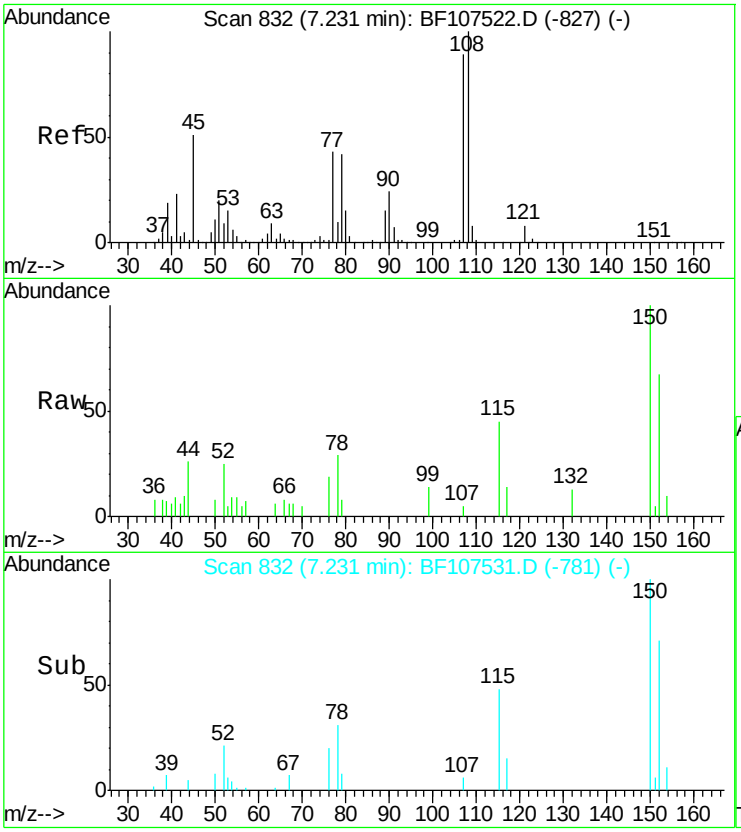


#16
2,2'-oxybis(1-Chloropropane)
Concen: 0.004 ng
RT: 7.40 min Scan# 861
Delta R.T. 0.15 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Tgt Ion: 45 Resp: 162

Ion	Ratio	Lower	Upper
45	100		
77	0.0	0.0	32.9
79	0.0	0.0	29.6



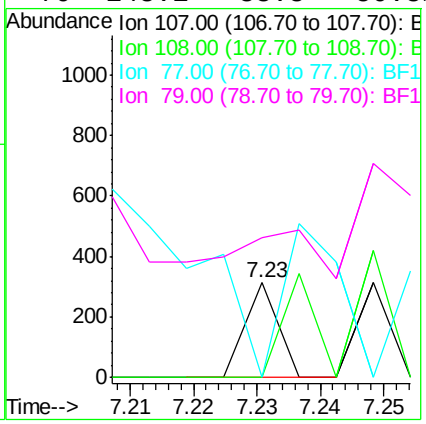


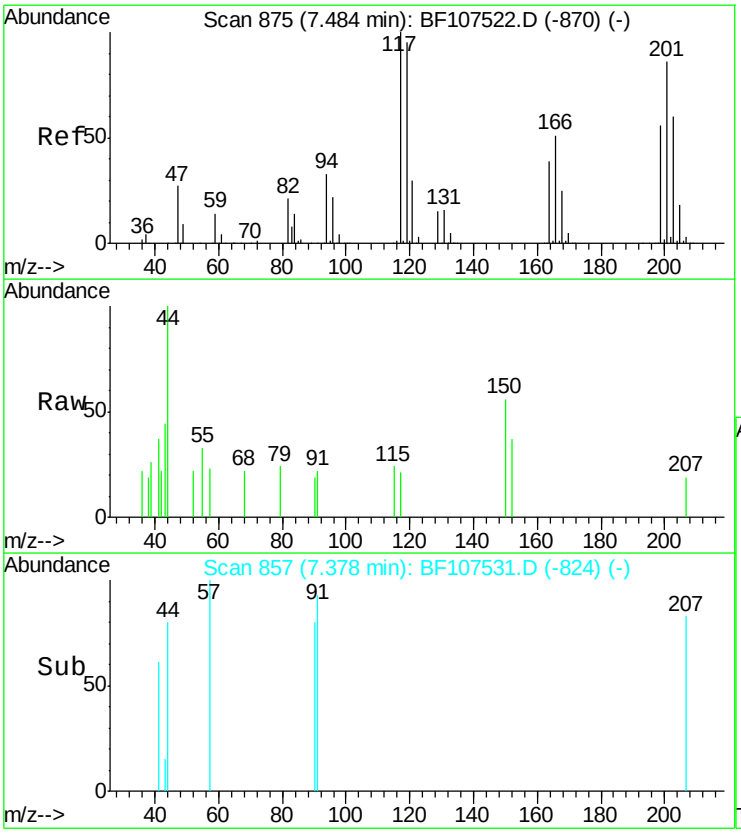
#17
2-Methylphenol
Concen: 0.006 ng
RT: 7.23 min Scan# 832
Delta R.T. 0.00 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Instrument :
BNA_F
ClientSampleId :
PB111220BL

Tgt Ion:107 Resp: 110

Ion	Ratio	Lower	Upper
107	100		
108	0.0	91.7	137.5#
77	0.0	33.8	50.8#
79	148.1	33.8	50.8#

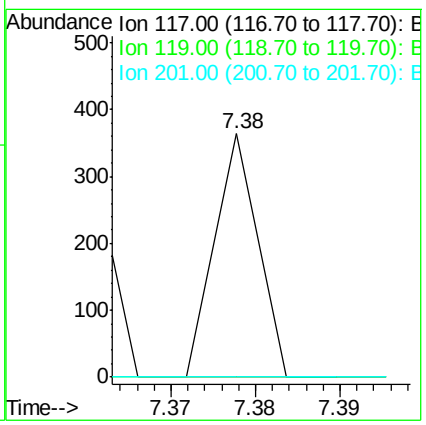


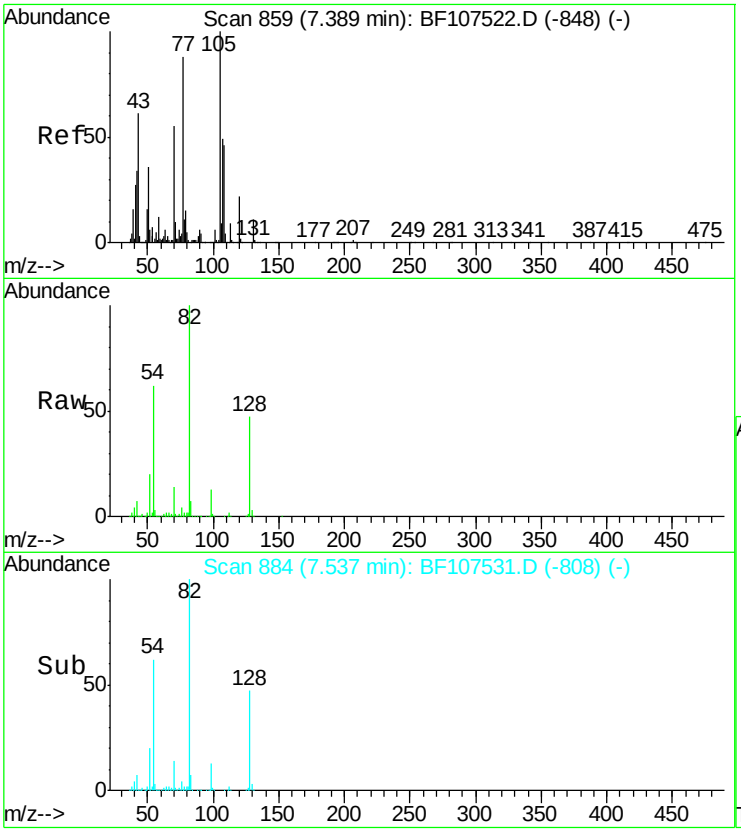


#18
Hexachloroethane
Concen: 0.015 ng
RT: 7.38 min Scan# 857
Delta R.T. -0.11 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Tgt Ion:117 Resp: 128

Ion	Ratio	Lower	Upper
117	100		
119	0.0	75.8	113.8#
201	0.0	75.7	113.5#



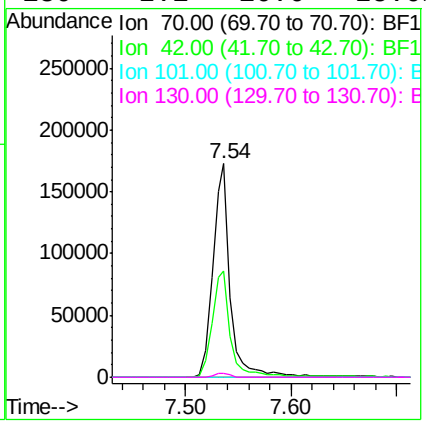


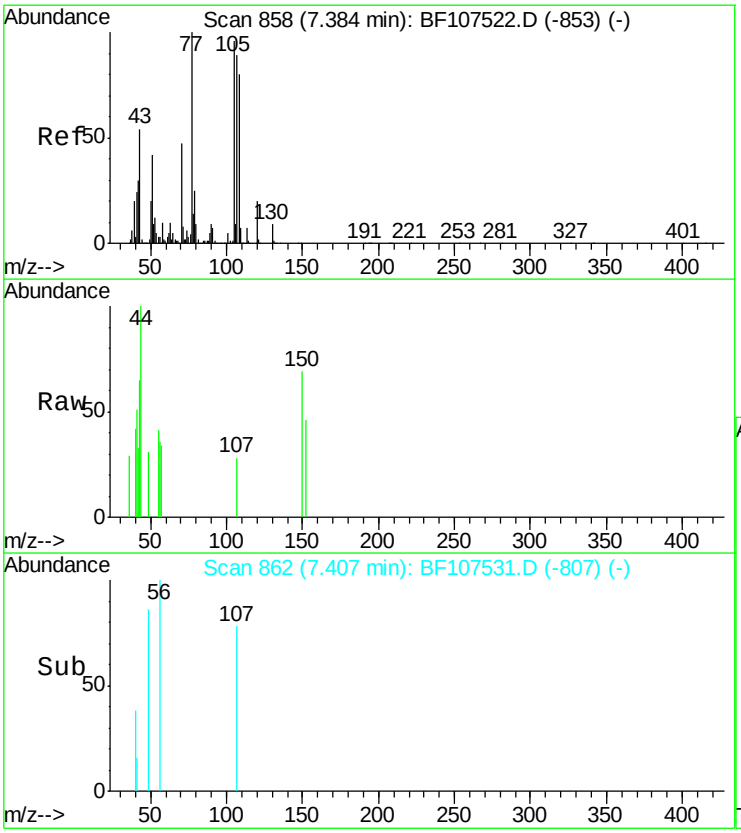
#19
n-Nitroso-di-n-propylamine
Concen: 13.268 ng
RT: 7.54 min Scan# 884
Delta R.T. 0.15 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Instrument :
BNA_F
ClientSampleId :
PB111220BL

Tgt Ion: 70 Resp: 199874

Ion	Ratio	Lower	Upper
70	100		
42	49.6	47.5	71.3
101	0.0	7.4	11.2#
130	2.1	16.6	25.0#

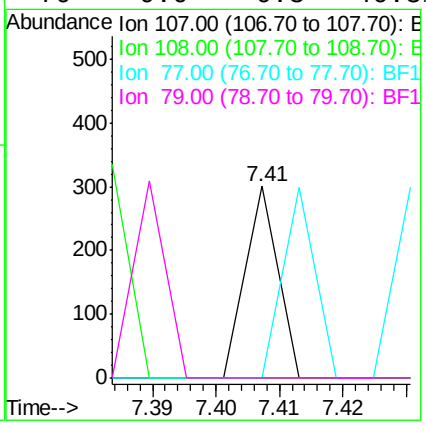


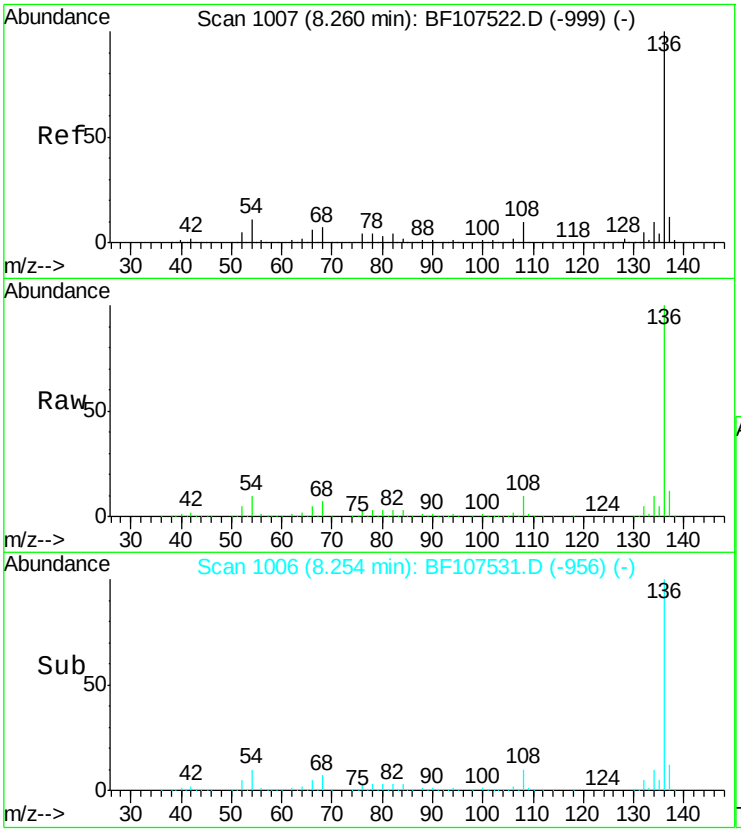


#20
3+4-Methylphenols
Concen: 0.005 ng
RT: 7.41 min Scan# 862
Delta R.T. 0.02 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Tgt Ion:107 Resp: 106

Ion	Ratio	Lower	Upper
107	100		
108	0.0	68.2	108.2#
77	0.0	26.7	66.7#
79	0.0	6.3	46.3#



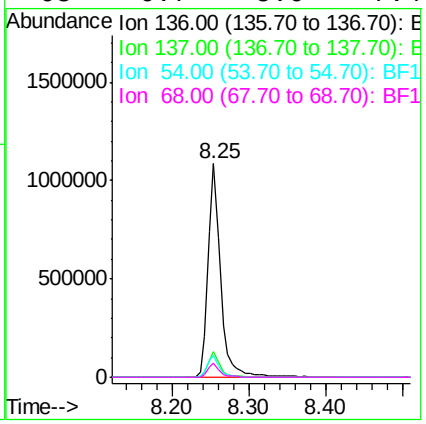


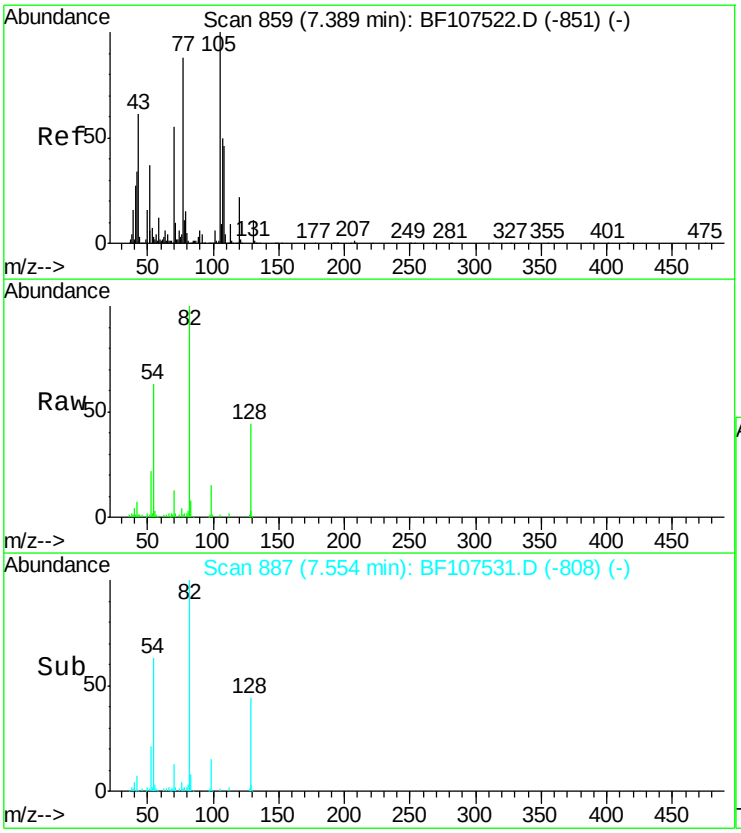
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1006
Delta R.T. -0.01 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Instrument :
BNA_F
ClientSampleId :
PB111220BL

Tgt Ion:136 Resp: 1215662

Ion	Ratio	Lower	Upper
136	100		
137	11.8	8.9	13.3
54	10.3	6.6	9.8#
68	6.7	5.0	7.4

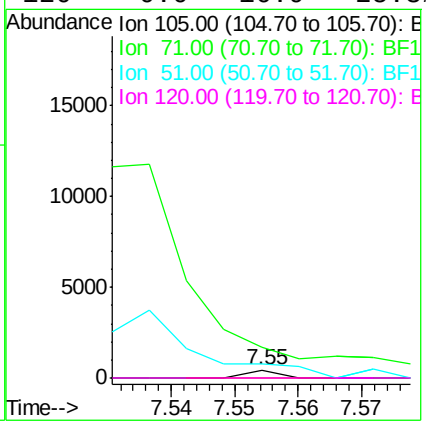


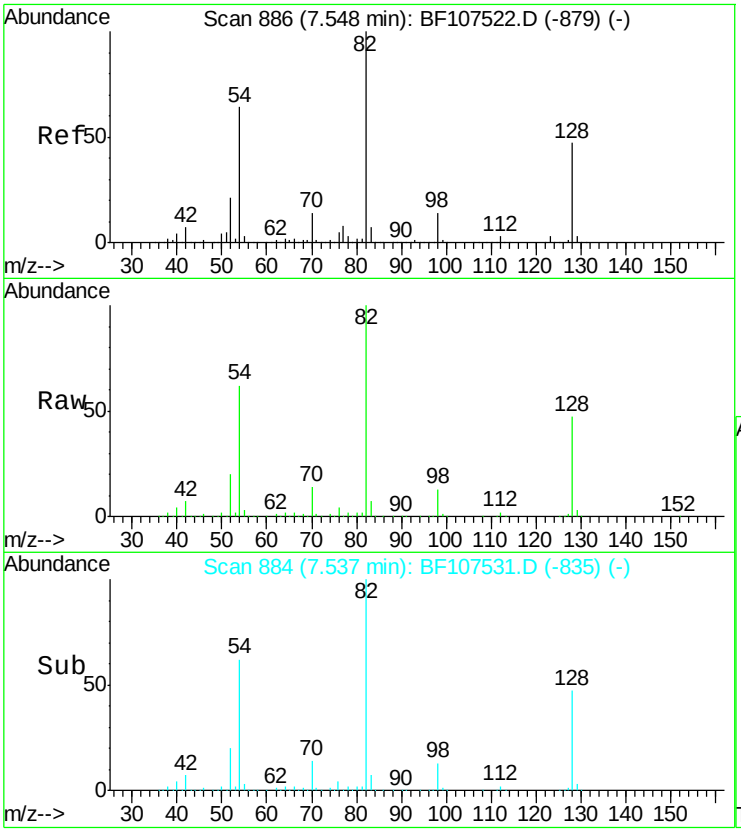


#22
Acetophenone
Concen: 0.006 ng
RT: 7.55 min Scan# 887
Delta R.T. 0.16 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Tgt Ion:105 Resp: 162

Ion	Ratio	Lower	Upper
105	100		
71	374.3	4.4	6.6#
51	175.0	22.3	33.5#
120	0.0	16.9	25.3#



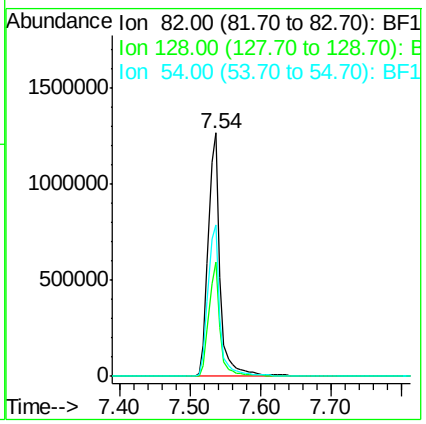


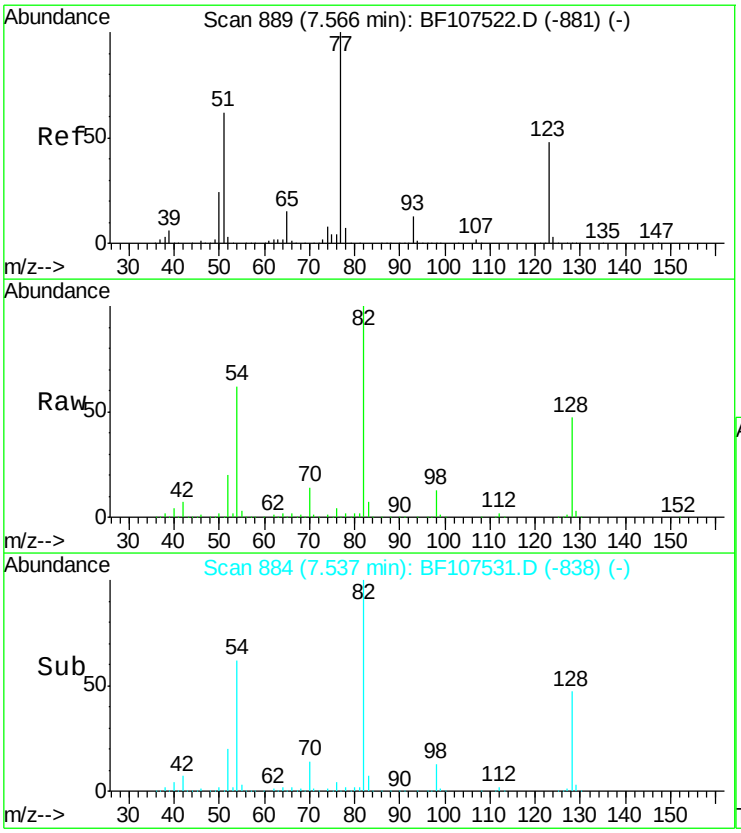
#23
Nitrobenzene-d5
Concen: 82.535 ng
RT: 7.54 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Instrument :
BNA_F
ClientSampleId :
PB111220BL

Tgt Ion: 82 Resp: 1486709

Ion	Ratio	Lower	Upper
82	100		
128	46.8	36.1	54.1
54	62.4	41.4	62.2#

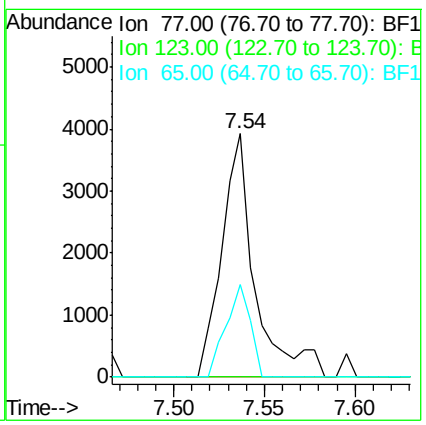


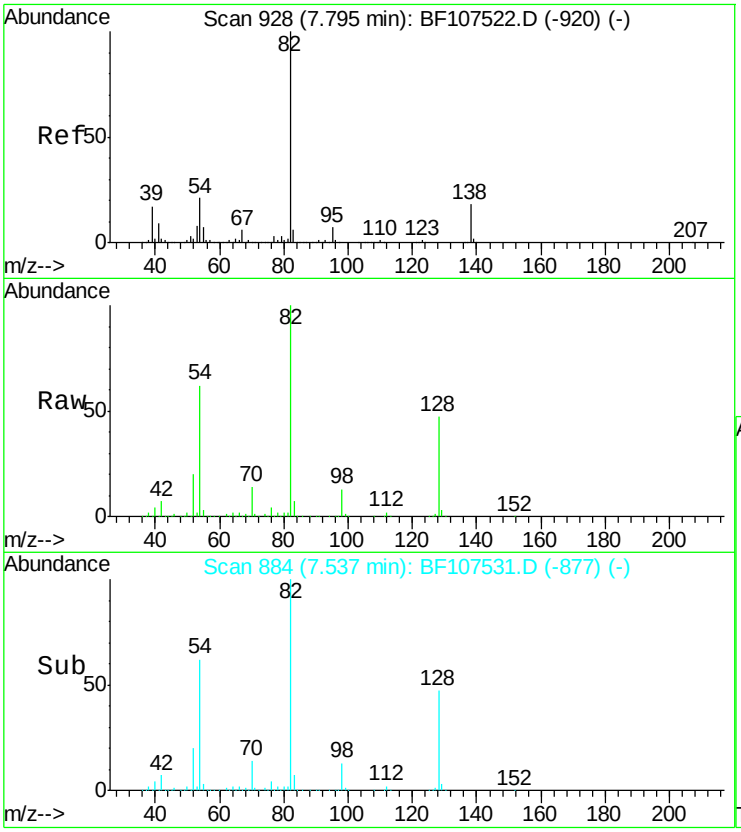


#24
Nitrobenzene
Concen: 0.244 ng
RT: 7.54 min Scan# 884
Delta R.T. -0.03 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Tgt Ion: 77 Resp: 5024

Ion	Ratio	Lower	Upper
77	100		
123	0.0	37.9	56.9#
65	37.8	11.0	16.4#



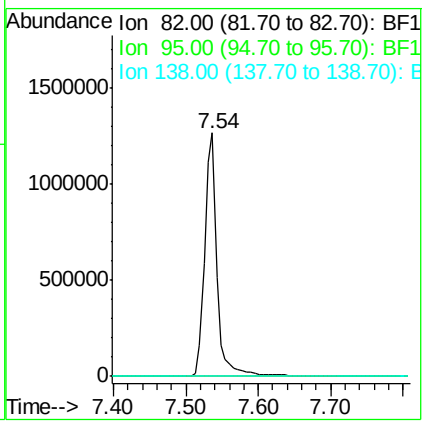


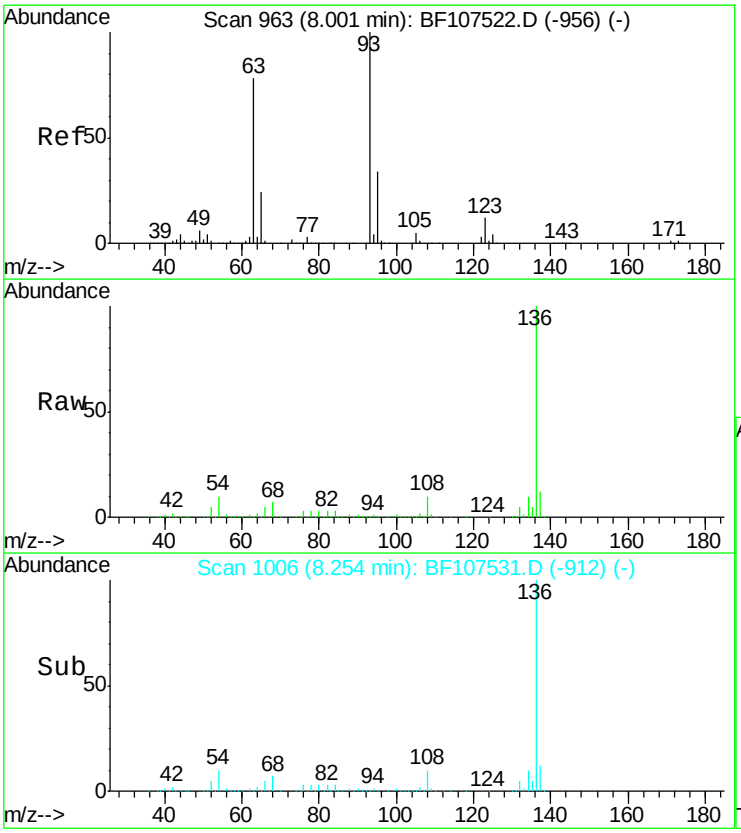
#25
Isophorone
Concen: 38.655 ng
RT: 7.54 min Scan# 884
Delta R.T. -0.26 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Instrument :
BNA_F
ClientSampleId :
PB111220BL

Tgt Ion: 82 Resp: 1486699

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

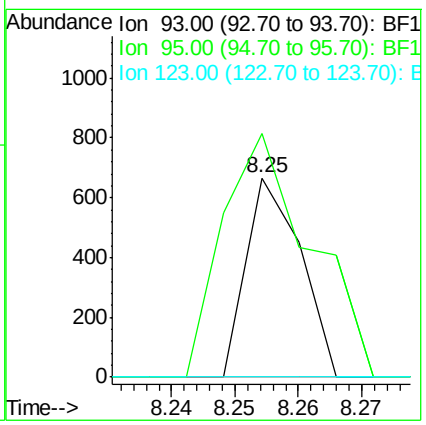


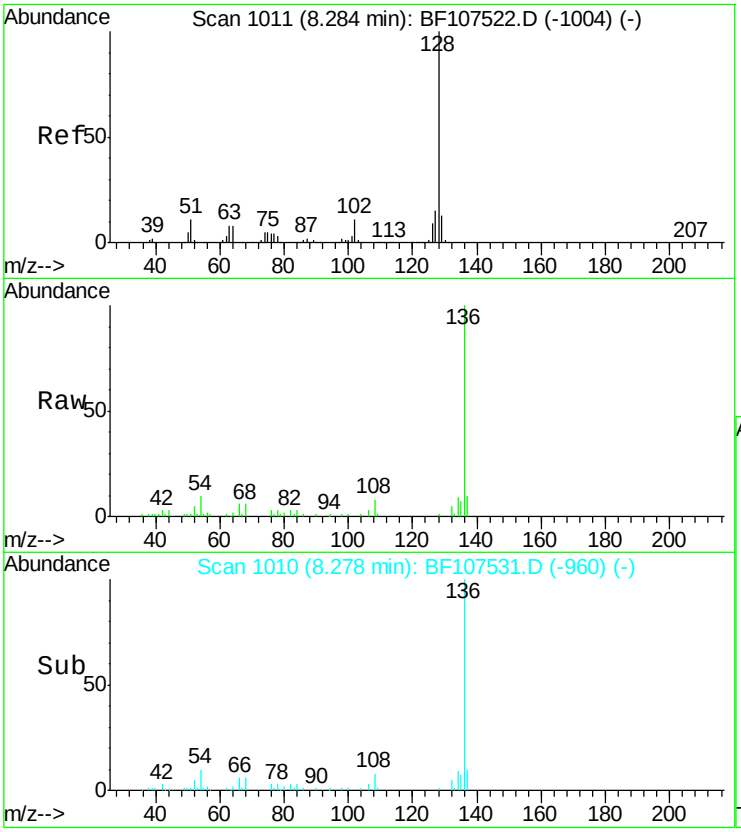


#28
bis(2-Chloroethoxy)methane
Concen: 0.015 ng
RT: 8.25 min Scan# 1006
Delta R.T. 0.25 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Tgt Ion: 93 Resp: 394

Ion	Ratio	Lower	Upper
93	100		
95	122.0	26.3	39.5#
123	0.0	9.8	14.6#



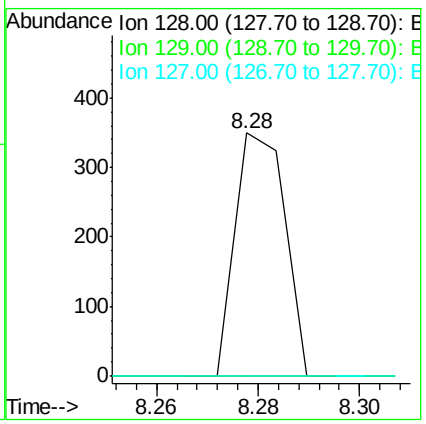


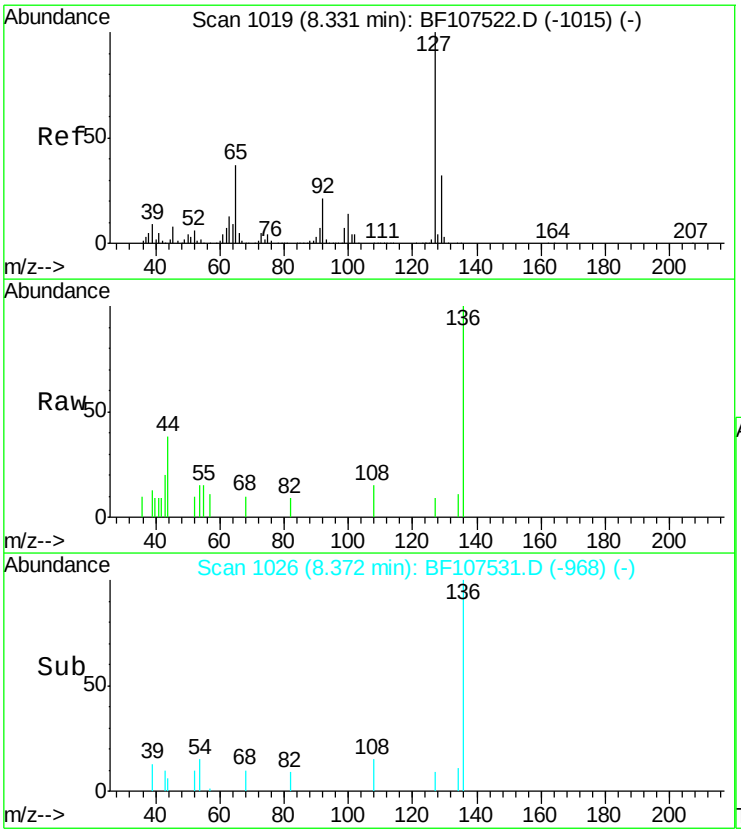
#31
Naphthalene
Concen: 0.004 ng
RT: 8.28 min Scan# 1010
Delta R.T. -0.01 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Instrument :
BNA_F
ClientSampleId :
PB111220BL

Tgt Ion:128 Resp: 238

Ion	Ratio	Lower	Upper
128	100		
129	0.0	8.8	13.2#
127	0.0	10.9	16.3#

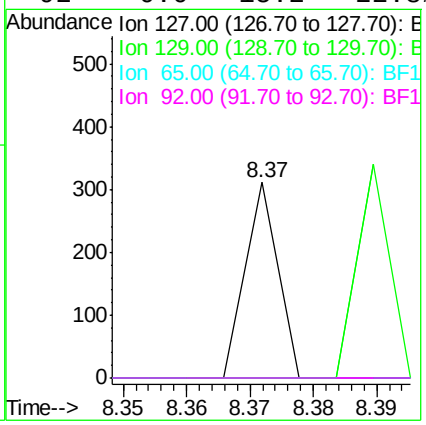


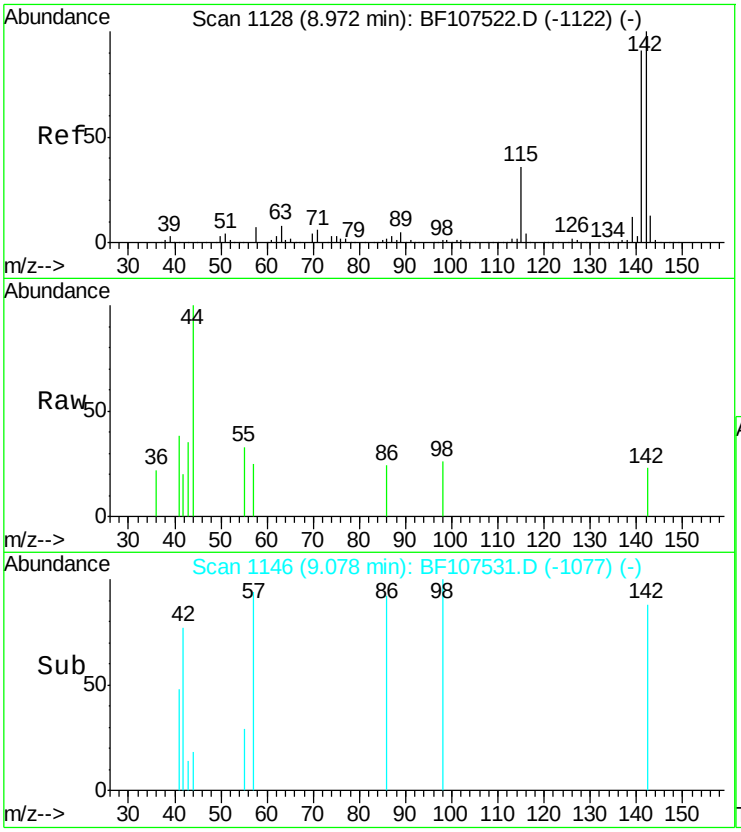


#33
4-Chloroaniline
Concen: 0.005 ng
RT: 8.37 min Scan# 1026
Delta R.T. 0.04 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Tgt Ion:127 Resp: 110

Ion	Ratio	Lower	Upper
127	100		
129	0.0	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#



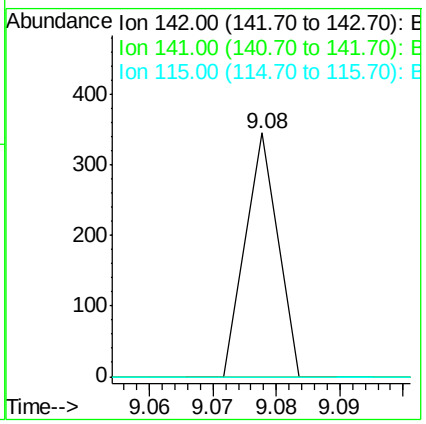


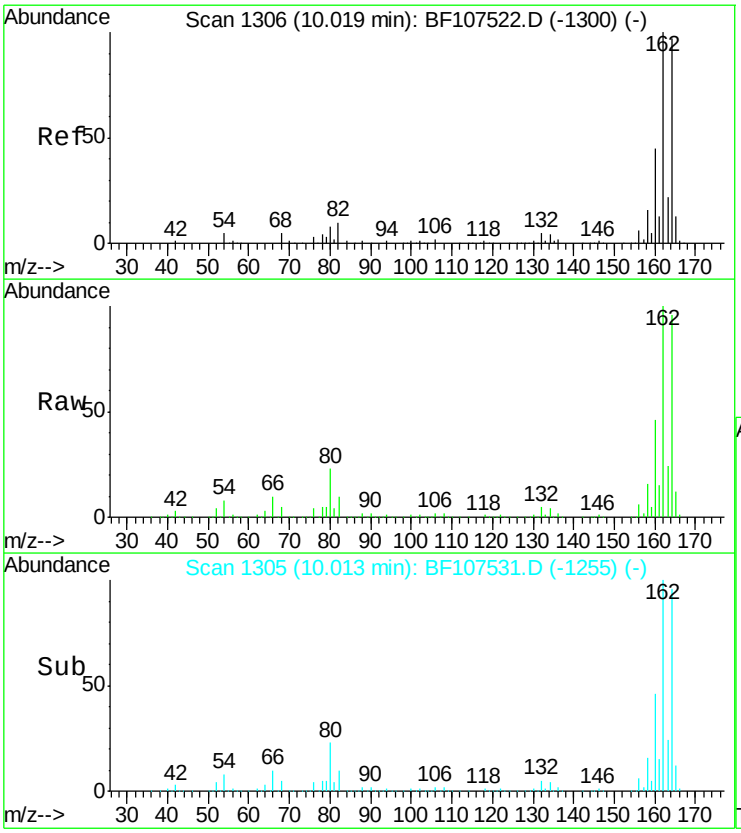
#37
2-Methylnaphthalene
Concen: 0.003 ng
RT: 9.08 min Scan# 1146
Delta R.T. 0.11 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Instrument :
BNA_F
ClientSampleId :
PB111220BL

Tgt Ion:142 Resp: 122

Ion	Ratio	Lower	Upper
142	100		
141	0.0	70.8	106.2#
115	0.0	26.1	39.1#

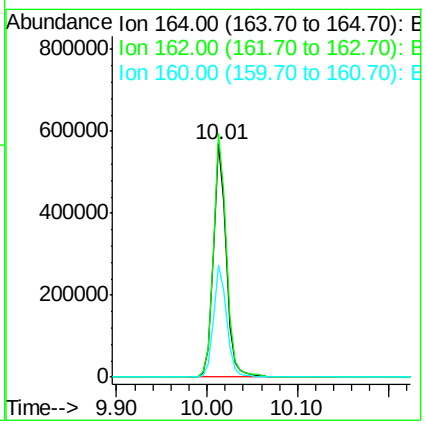


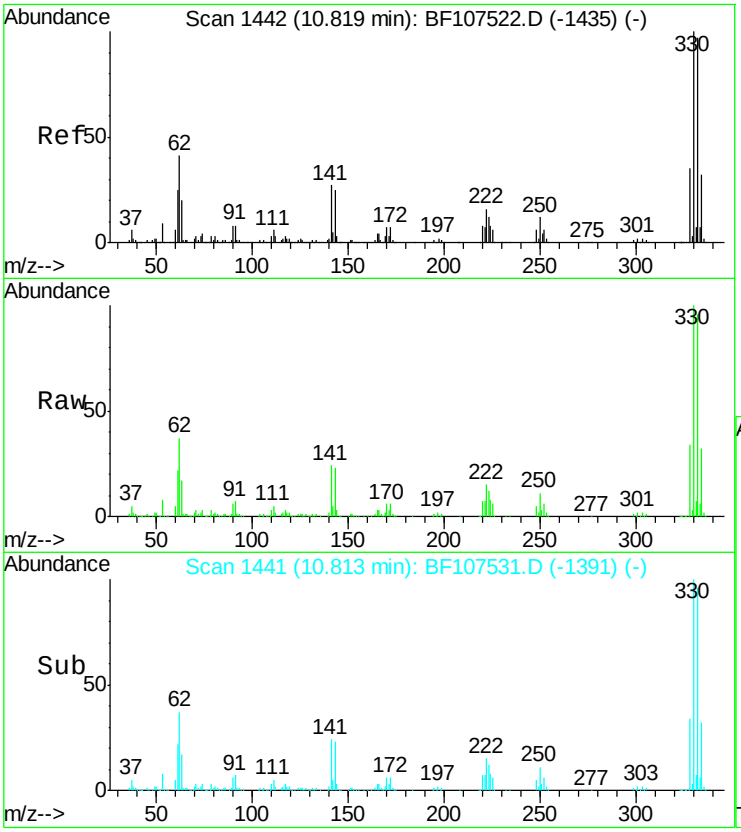


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Tgt Ion:164 Resp: 562102

Ion	Ratio	Lower	Upper
164	100		
162	104.4	86.1	129.1
160	48.0	38.3	57.5



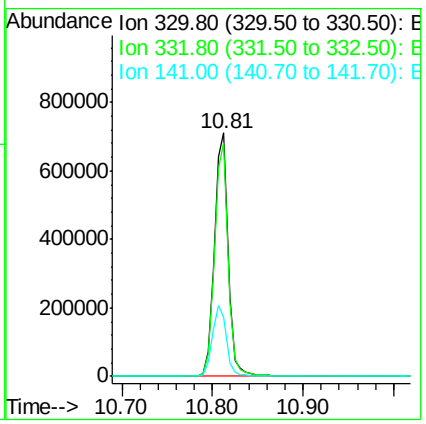


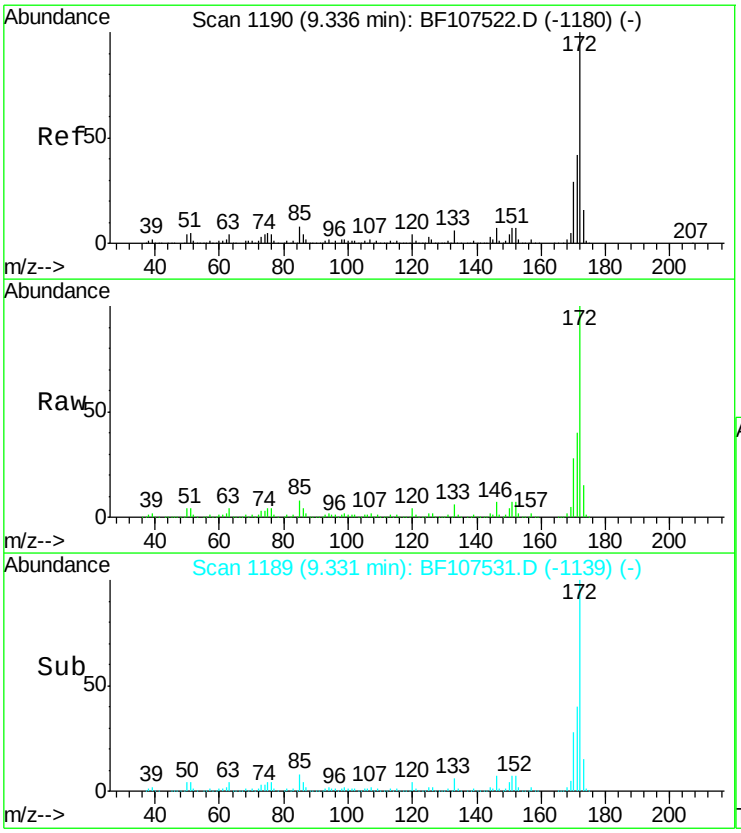
#41
2,4,6-Tribromophenol
Concen: 115.638 ng
RT: 10.81 min Scan# 1441
Delta R.T. -0.01 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Instrument :
BNA_F
ClientSampleId :
PB111220BL

Tgt Ion:330 Resp: 739153

Ion	Ratio	Lower	Upper
330	100		
332	94.8	77.0	115.6
141	30.3	29.9	44.9

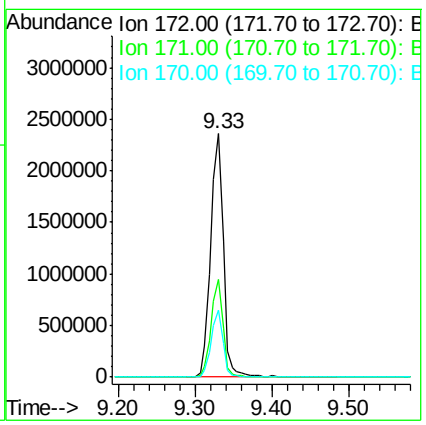


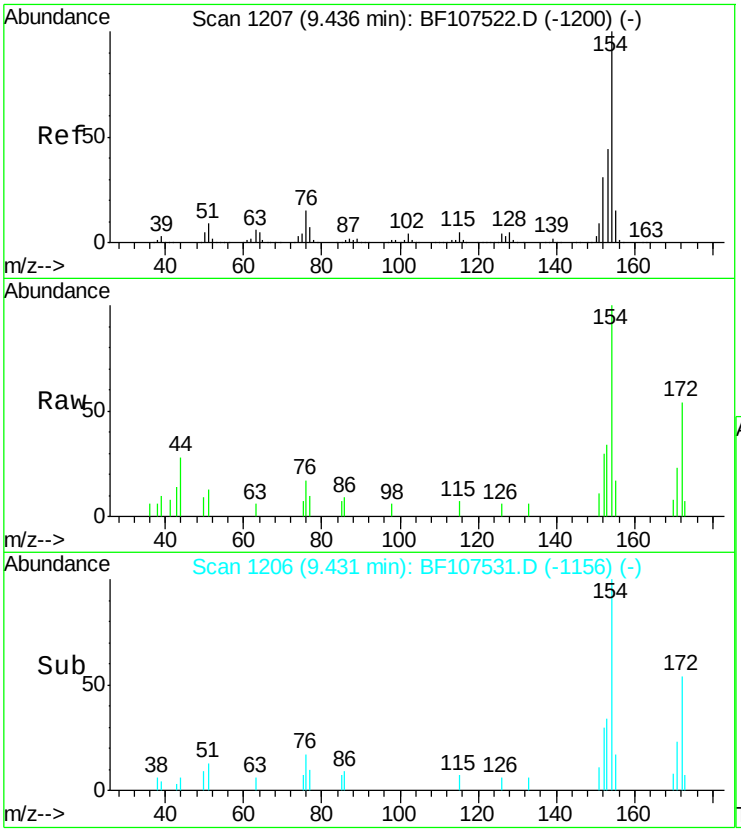


#44
2-Fluorobiphenyl
Concen: 79.526 ng
RT: 9.33 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Tgt Ion:172 Resp: 2656798

Ion	Ratio	Lower	Upper
172	100		
171	40.3	29.7	44.5
170	27.7	19.6	29.4



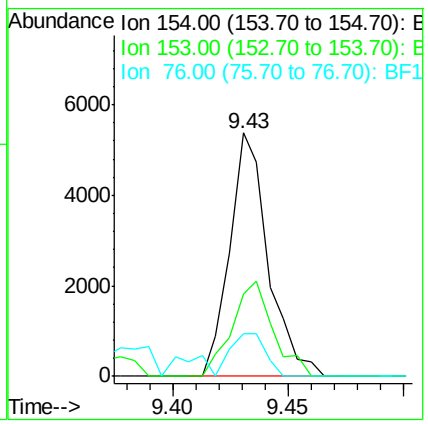


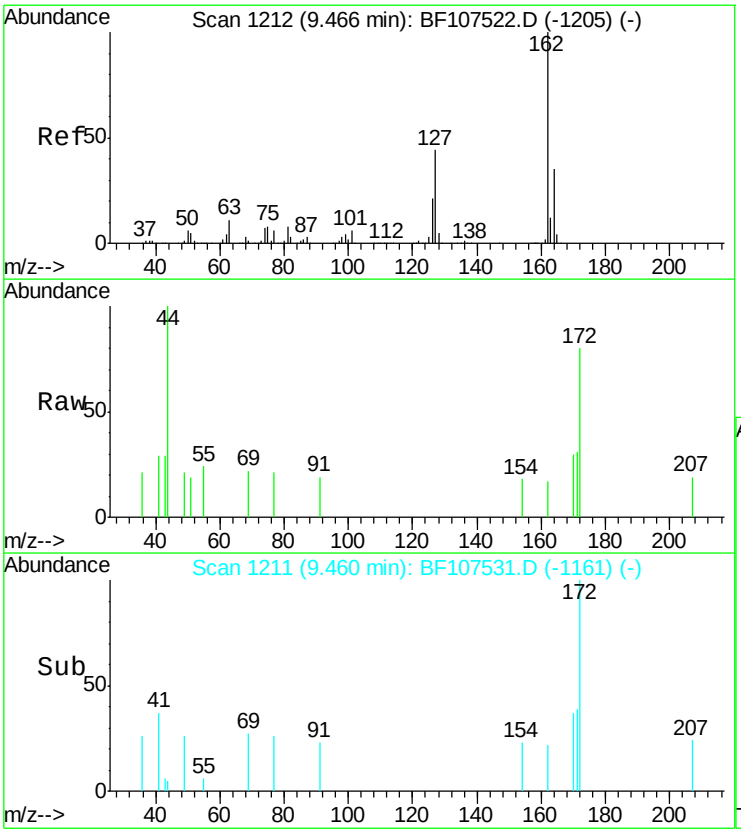
#45
1,1'-Biphenyl
Concen: 0.127 ng
RT: 9.43 min Scan# 1206
Delta R.T. -0.01 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Instrument :
BNA_F
ClientSampleId :
PB111220BL

Tgt Ion:154 Resp: 6238

Ion	Ratio	Lower	Upper
154	100		
153	34.1	21.3	61.3
76	17.3	0.0	34.0

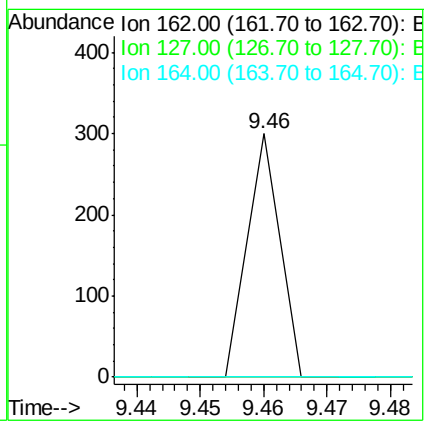


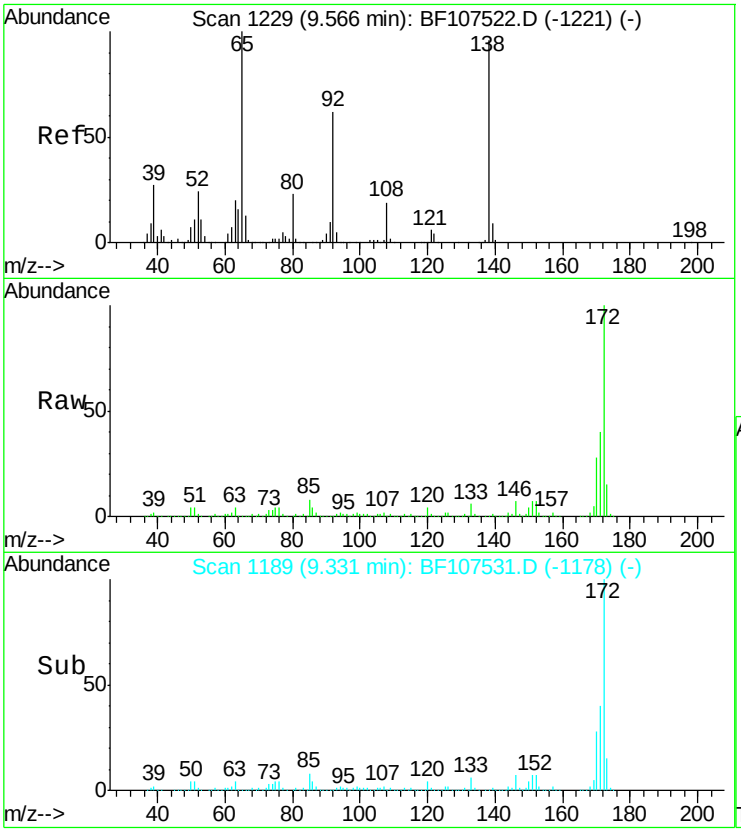


#46
2-Chloronaphthalene
Concen: 0.003 ng
RT: 9.46 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Tgt Ion:162 Resp: 106

Ion	Ratio	Lower	Upper
162	100		
127	0.0	33.9	50.9#
164	0.0	26.5	39.7#



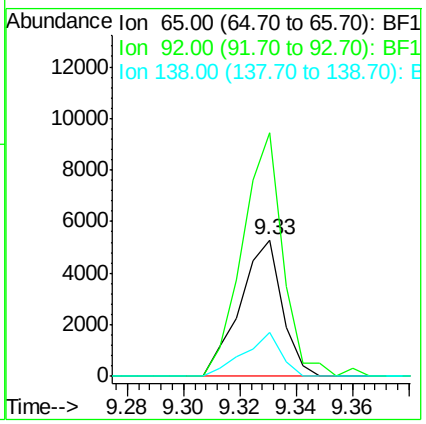


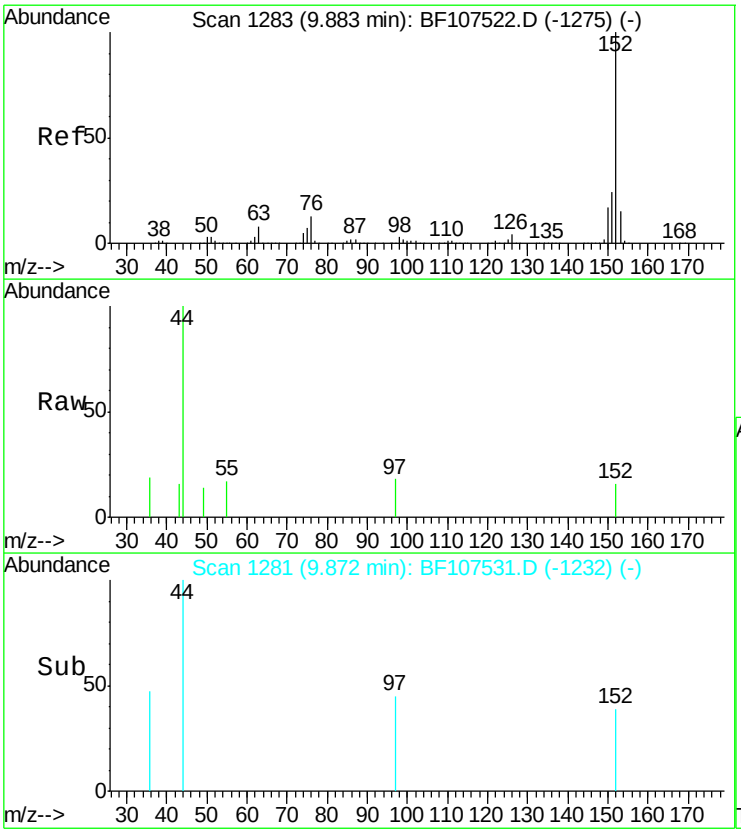
#47
2-Nitroaniline
Concen: 0.503 ng
RT: 9.33 min Scan# 1189
Delta R.T. -0.24 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Instrument :
BNA_F
ClientSampleId :
PB111220BL

Tgt Ion: 65 Resp: 5486

Ion	Ratio	Lower	Upper
65	100		
92	178.8	55.8	83.6#
138	32.7	91.2	136.8#

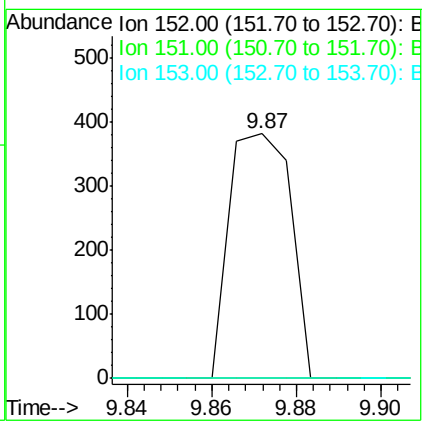


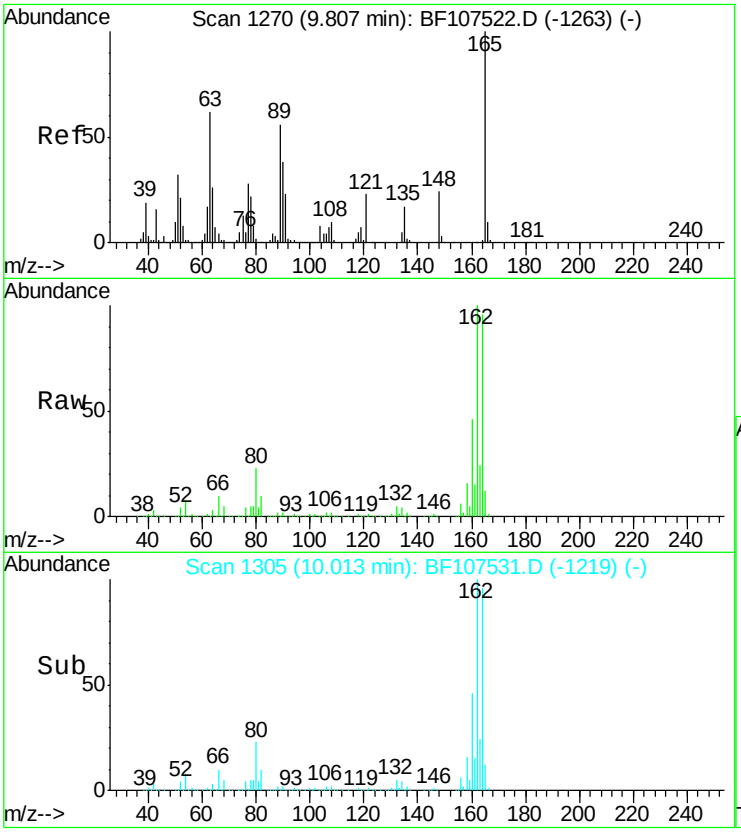


#48
Acenaphthylene
Concen: 0.007 ng
RT: 9.87 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Tgt Ion:152 Resp: 385

Ion	Ratio	Lower	Upper
152	100		
151	0.0	16.3	24.5#
153	0.0	10.7	16.1#



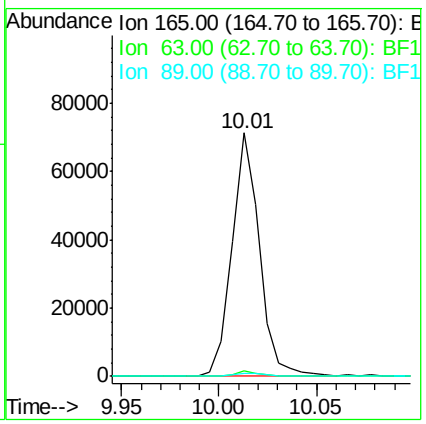


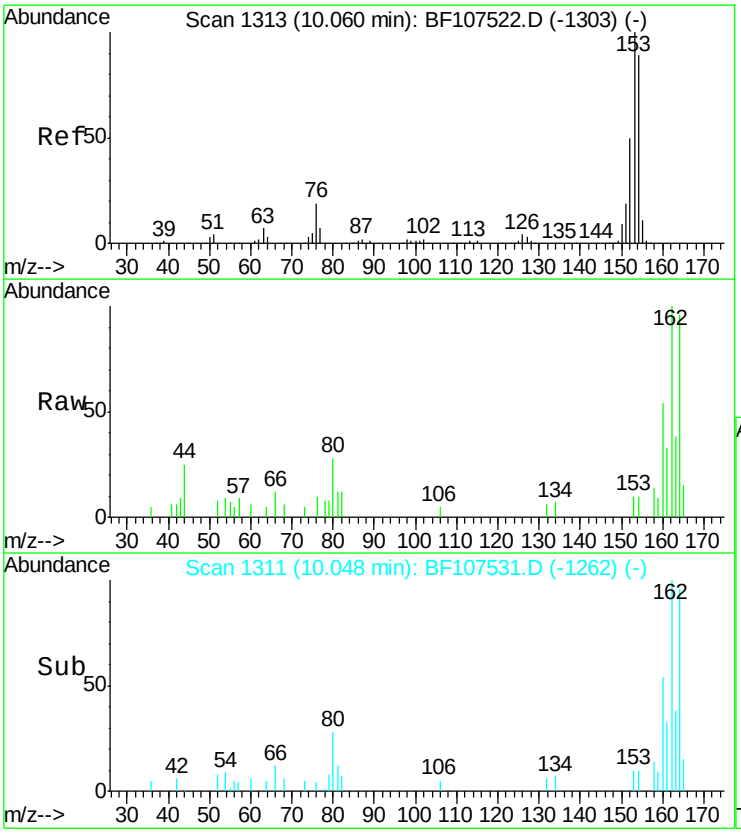
#50
2,6-Dinitrotoluene
Concen: 8.243 ng
RT: 10.01 min Scan# 1305
Delta R.T. 0.21 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Instrument :
BNA_F
ClientSampleId :
PB111220BL

Tgt Ion:165 Resp: 69333

Ion	Ratio	Lower	Upper
165	100		
63	2.5	44.7	67.1#
89	1.3	44.0	66.0#

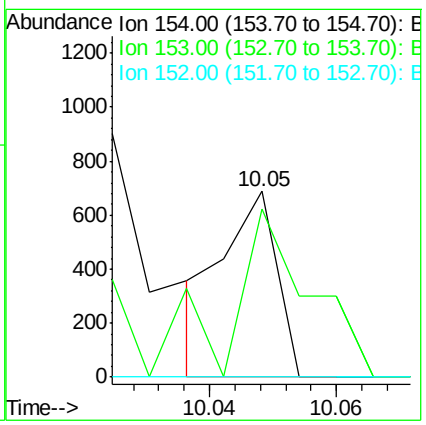


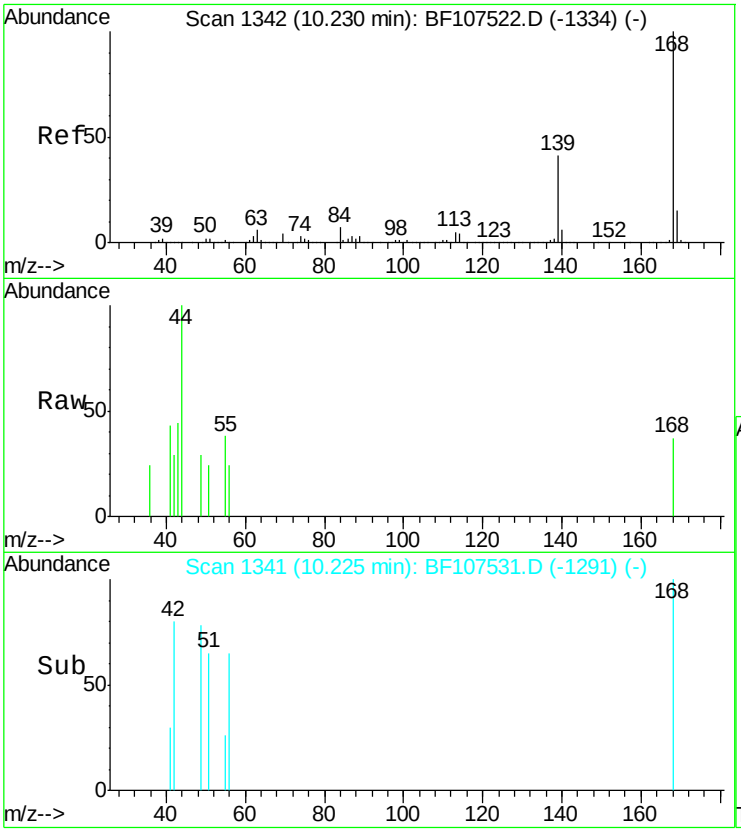


#51
Acenaphthene
Concen: 0.011 ng
RT: 10.05 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Tgt Ion:154 Resp: 397

Ion	Ratio	Lower	Upper
154	100		
153	90.7	91.2	136.8#
152	0.0	43.8	65.8#



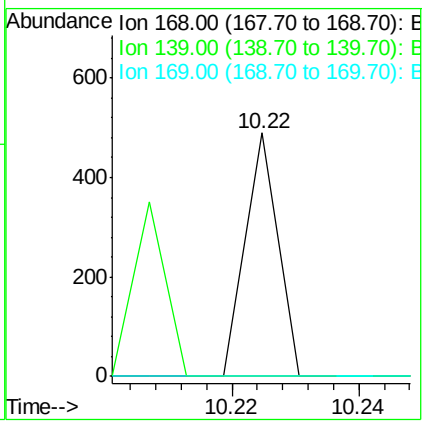


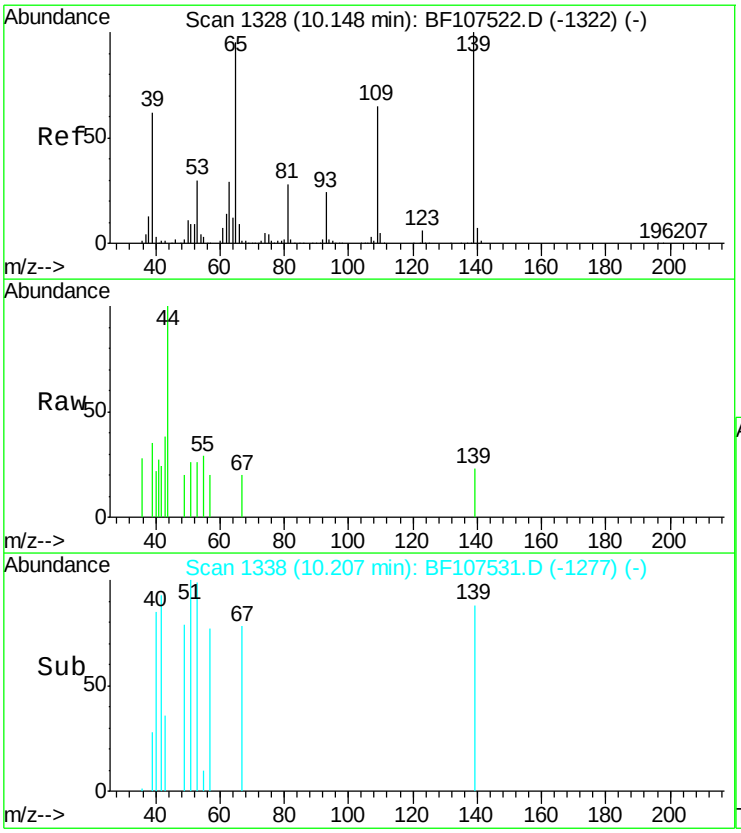
#54
Dibenzofuran
Concen: 0.003 ng
RT: 10.22 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Instrument :
BNA_F
ClientSampleId :
PB111220BL

Tgt Ion:168 Resp: 173

Ion	Ratio	Lower	Upper
168	100		
139	0.0	30.1	45.1#
169	0.0	10.9	16.3#

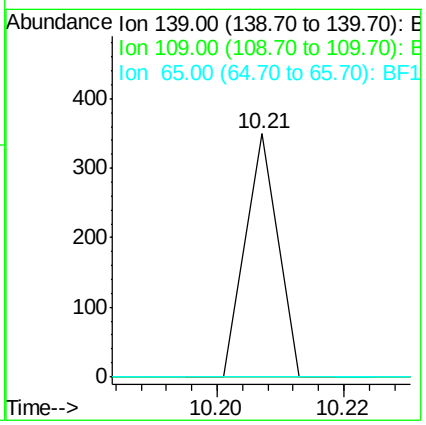


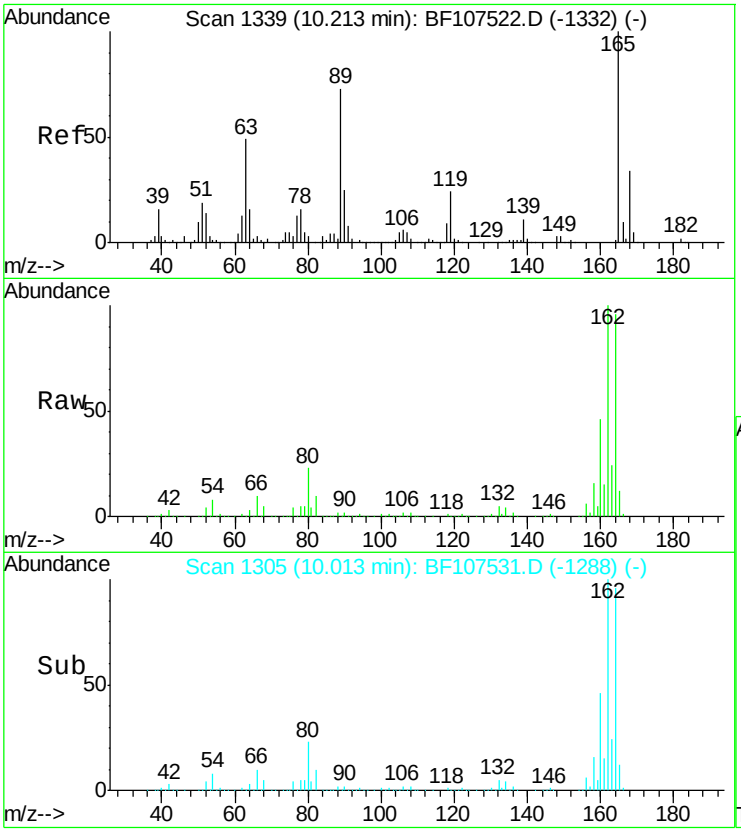


#55
4-Nitrophenol
Concen: 0.016 ng
RT: 10.21 min Scan# 1338
Delta R.T. 0.06 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Tgt Ion:139 Resp: 124

Ion	Ratio	Lower	Upper
139	100		
109	0.0	48.4	88.4#
65	0.0	72.6	112.6#



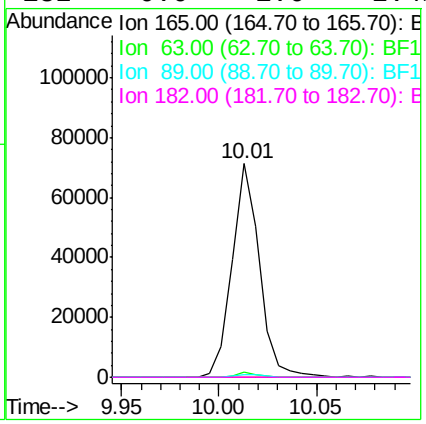


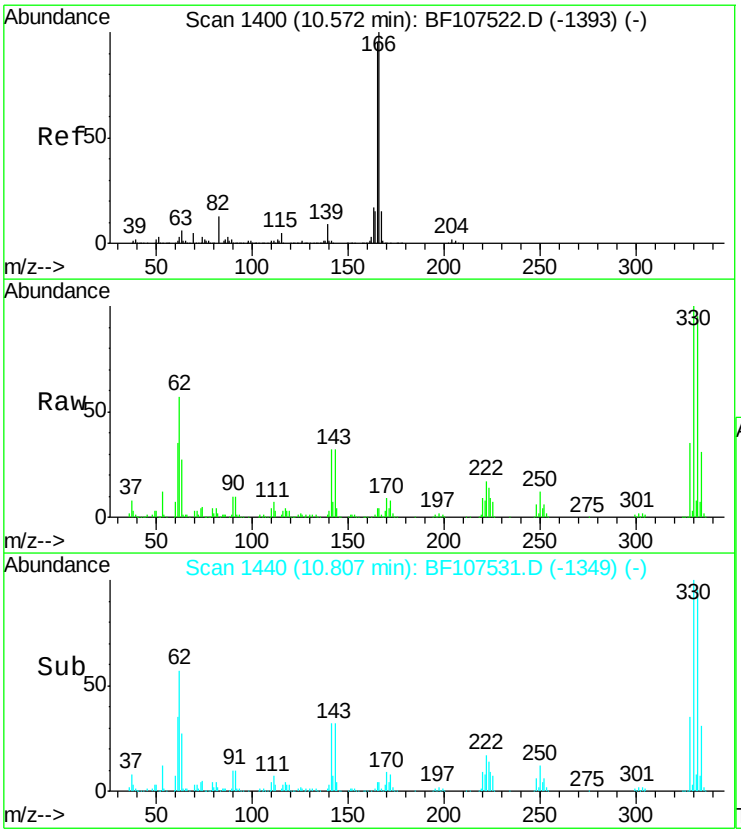
#56
2,4-Dinitrotoluene
Concen: 6.829 ng
RT: 10.01 min Scan# 1305
Delta R.T. -0.20 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Instrument :
BNA_F
ClientSampleId :
PB111220BL

Tgt Ion:165 Resp: 69333

Ion	Ratio	Lower	Upper
165	100		
63	2.5	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#

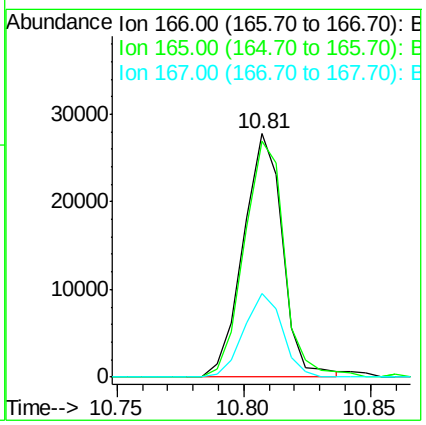


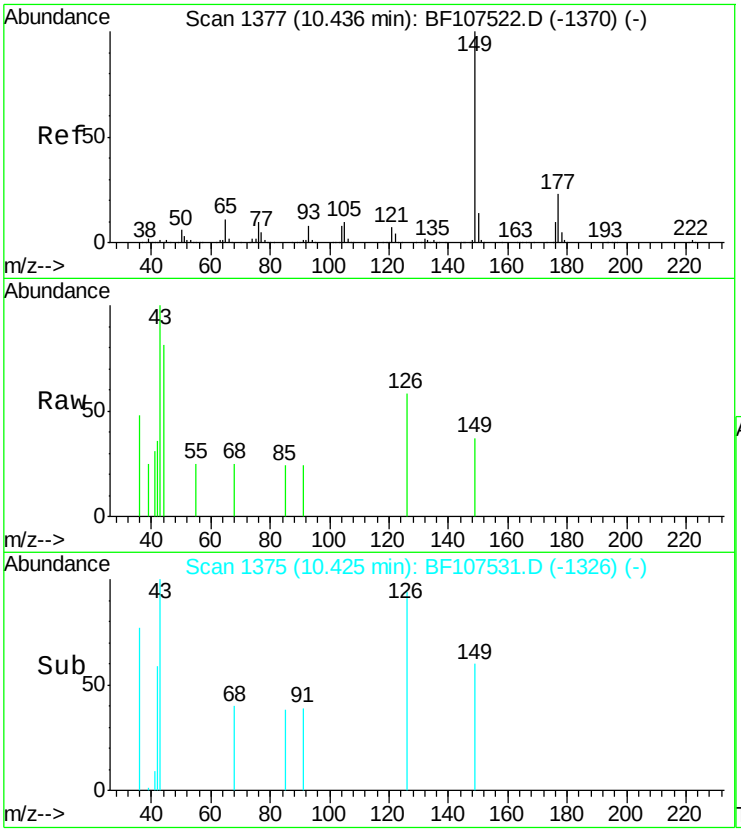


#57
Fluorene
Concen: 0.810 ng
RT: 10.81 min Scan# 1440
Delta R.T. 0.24 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Tgt Ion:166 Resp: 29961

Ion	Ratio	Lower	Upper
166	100		
165	96.9	79.8	119.8
167	34.5	10.6	16.0#



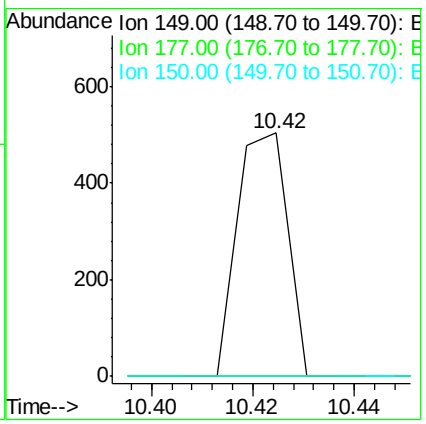


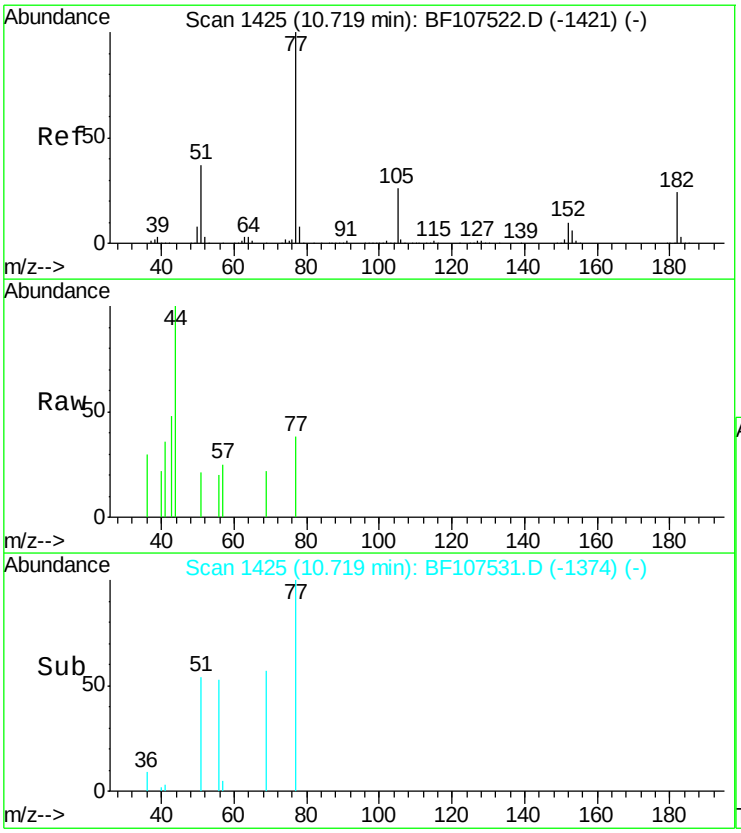
#59
Diethylphthalate
Concen: 0.008 ng
RT: 10.42 min Scan# 1375
Delta R.T. -0.01 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Instrument : BNA_F
ClientSampleId : PB111220BL

Tgt Ion:149 Resp: 347

Ion	Ratio	Lower	Upper
149	100		
177	0.0	16.1	24.1#
150	0.0	10.1	15.1#

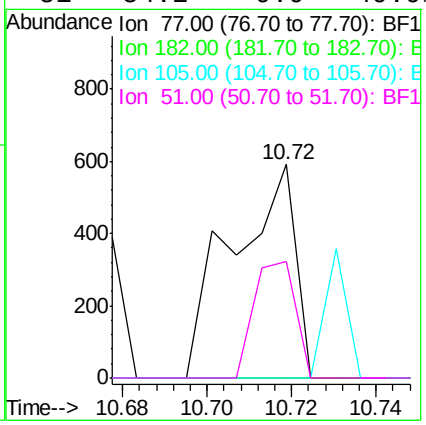


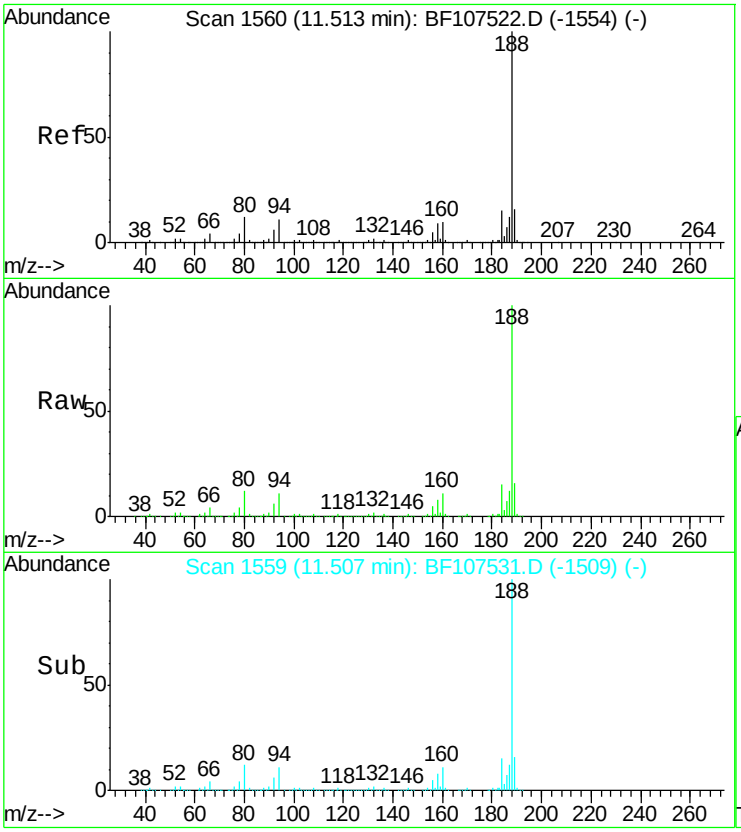


#62
Azobenzene
Concen: 0.015 ng
RT: 10.72 min Scan# 1425
Delta R.T. 0.00 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Tgt Ion: 77 Resp: 615

Ion	Ratio	Lower	Upper
77	100		
182	0.0	1.7	41.7#
105	0.0	3.0	43.0#
51	54.2	9.9	49.9#



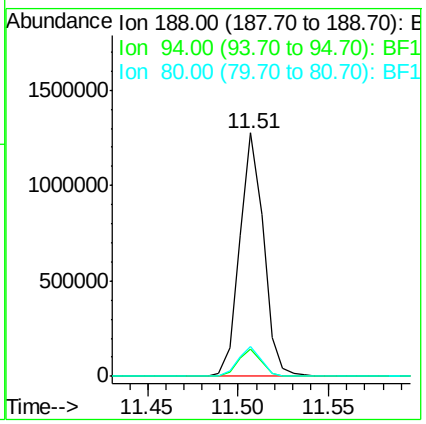


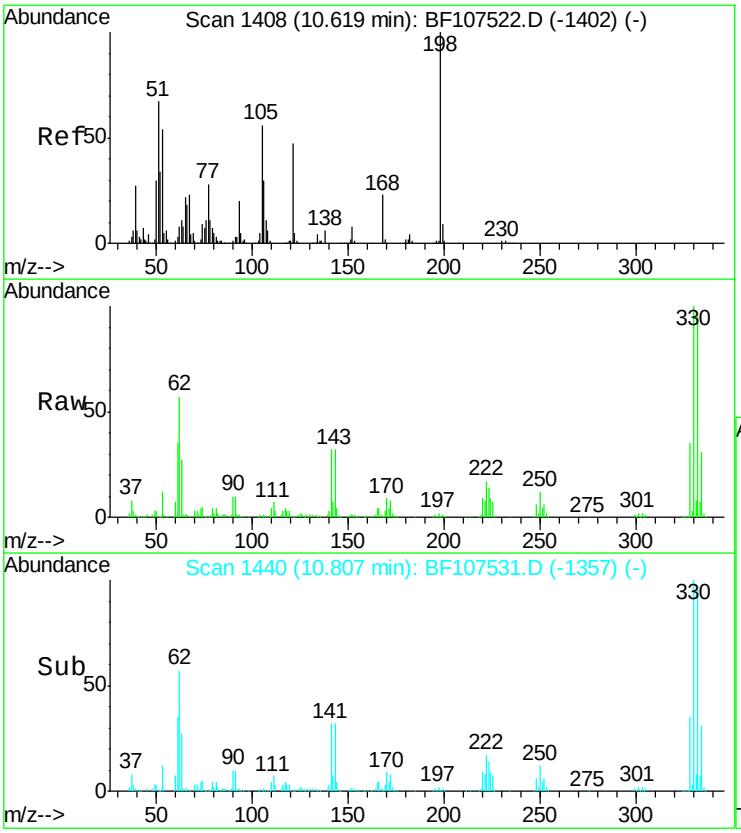
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Instrument :
BNA_F
ClientSampleId :
PB111220BL

Tgt Ion:188 Resp: 1169773

Ion	Ratio	Lower	Upper
188	100		
94	11.1	8.5	12.7
80	12.0	9.2	13.8

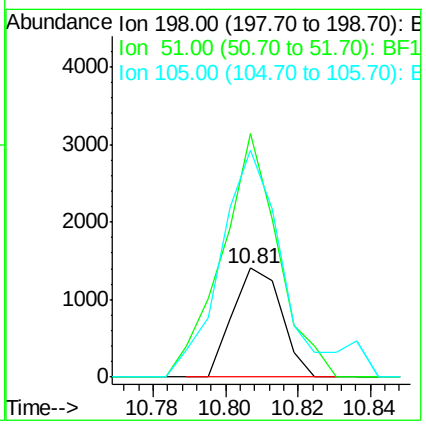


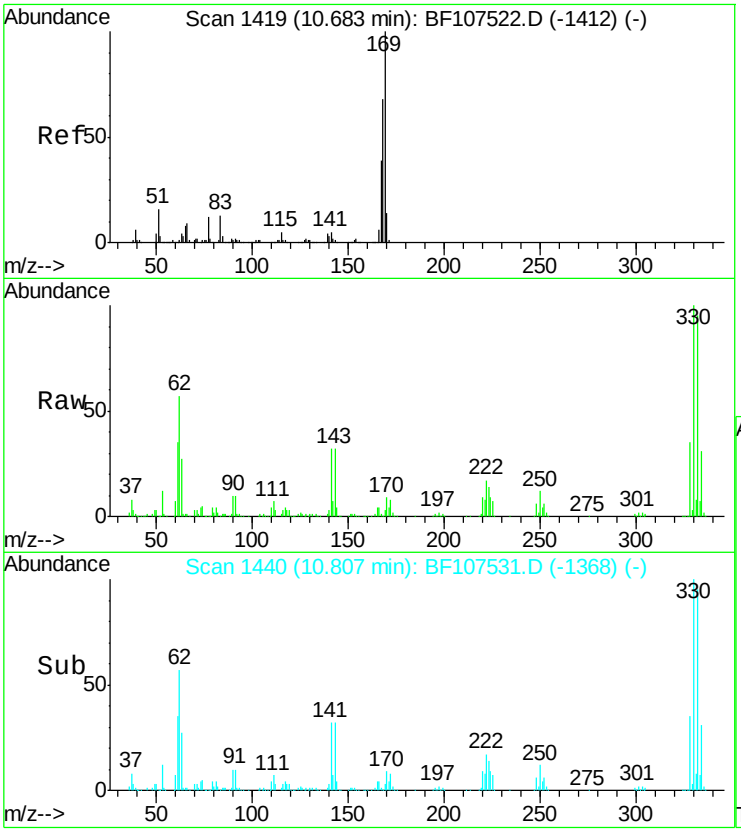


#64
4,6-Dinitro-2-methylphenol
Concen: 8.871 ng
RT: 10.81 min Scan# 1440
Delta R.T. 0.19 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Tgt Ion:198 Resp: 1312

Ion	Ratio	Lower	Upper
198	100		
51	224.1	37.7	77.7#
105	208.9	36.3	76.3#



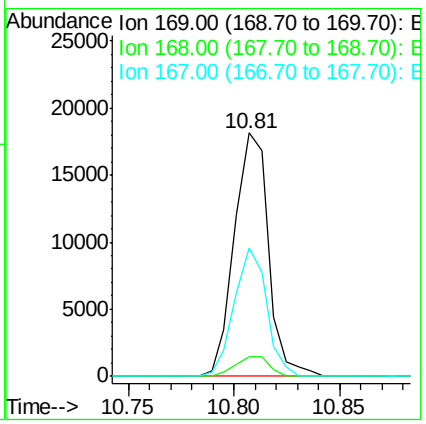


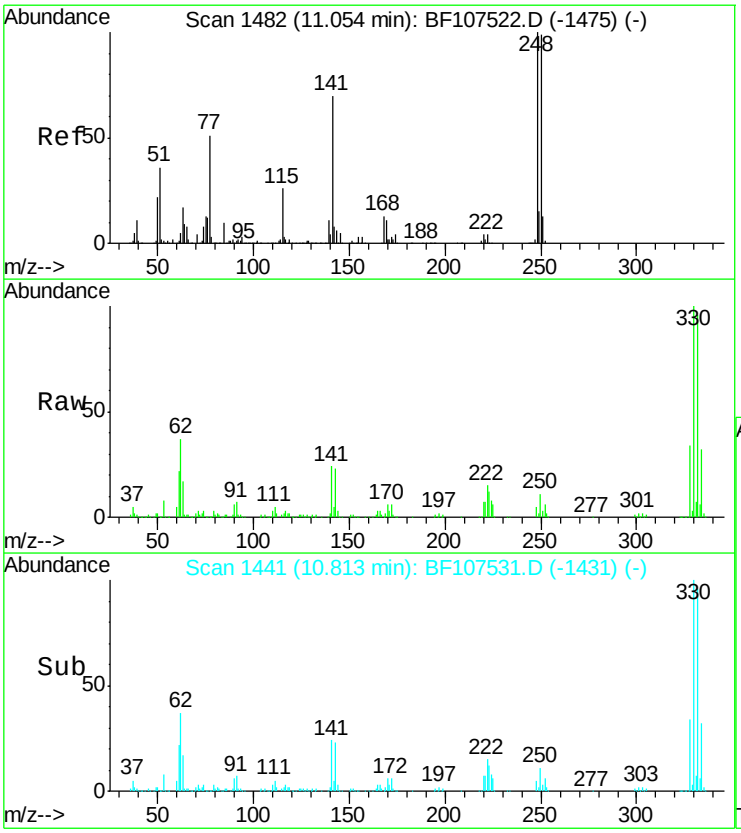
#65
n-Nitrosodiphenylamine
Concen: 0.510 ng
RT: 10.81 min Scan# 1440
Delta R.T. 0.12 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Instrument :
BNA_F
ClientSampleId :
PB111220BL

Tgt Ion:169 Resp: 20280

Ion	Ratio	Lower	Upper
169	100		
168	8.3	54.4	81.6#
167	52.8	29.8	44.6#

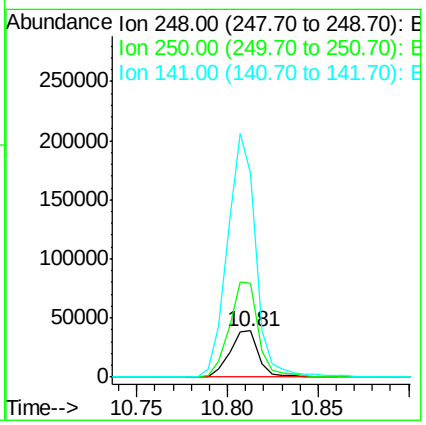


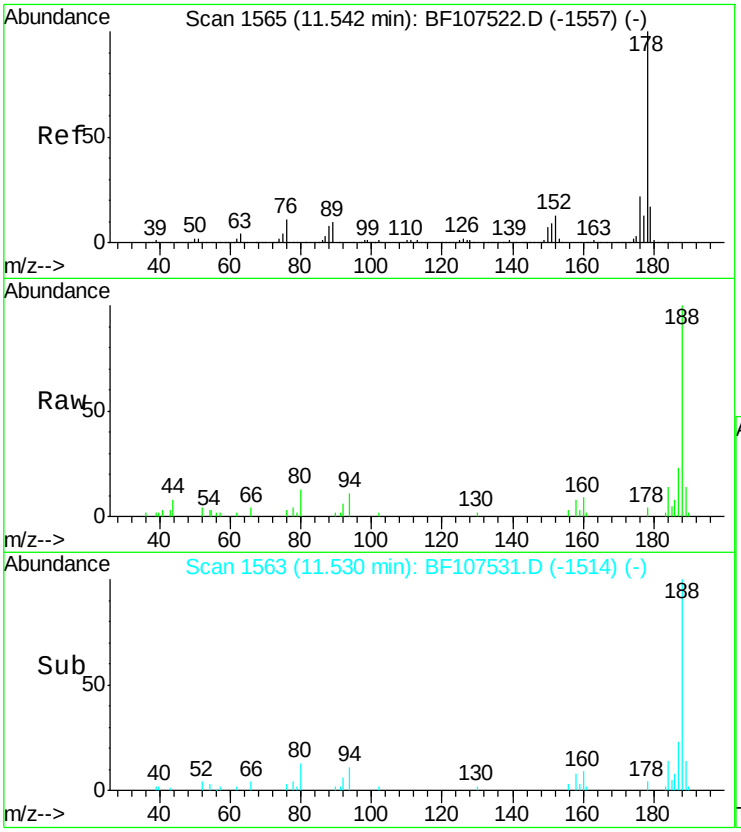


#66
4-Bromophenyl-phenylether
Concen: 3.174 ng
RT: 10.81 min Scan# 1441
Delta R.T. -0.24 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Tgt Ion:248 Resp: 43711

Ion	Ratio	Lower	Upper
248	100		
250	202.8	76.9	115.3#
141	441.7	74.4	111.6#



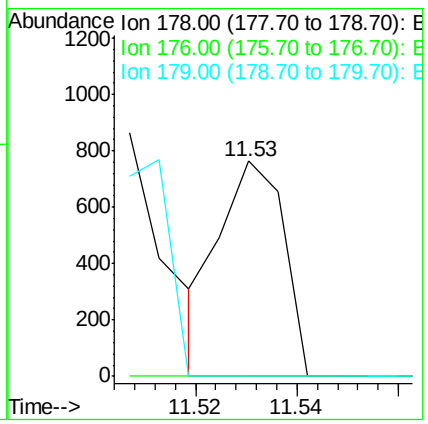


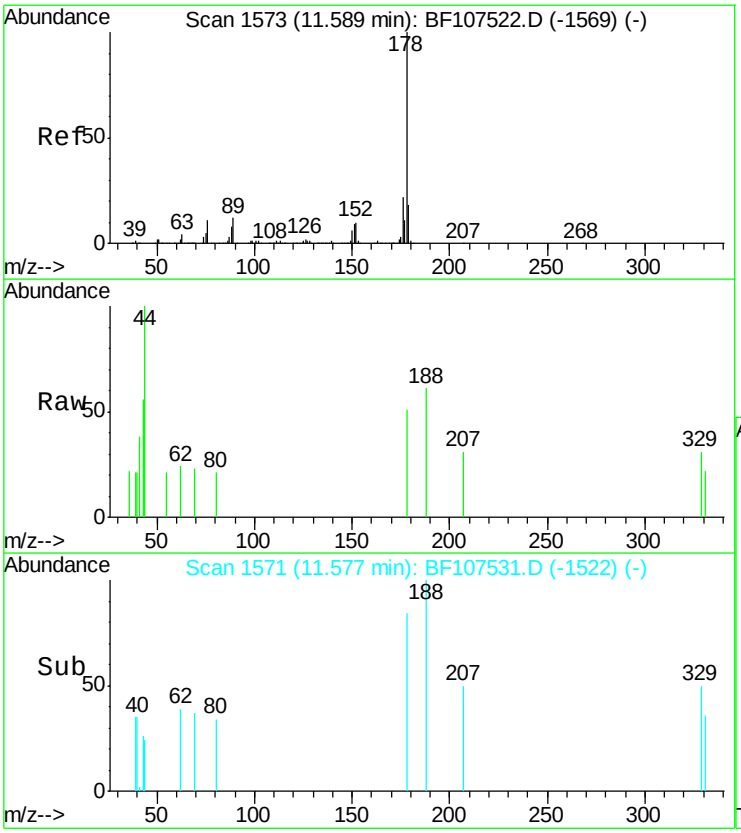
#70
Phenanthrene
Concen: 0.012 ng
RT: 11.53 min Scan# 1563
Delta R.T. -0.01 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Instrument :
BNA_F
ClientSampleId :
PB111220BL

Tgt Ion:178 Resp: 675

Ion	Ratio	Lower	Upper
178	100		
176	0.0	15.8	23.8#
179	0.0	13.0	19.6#

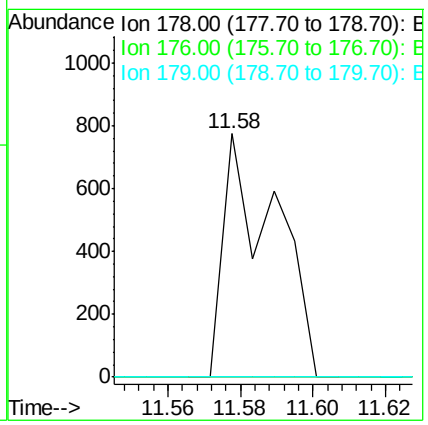


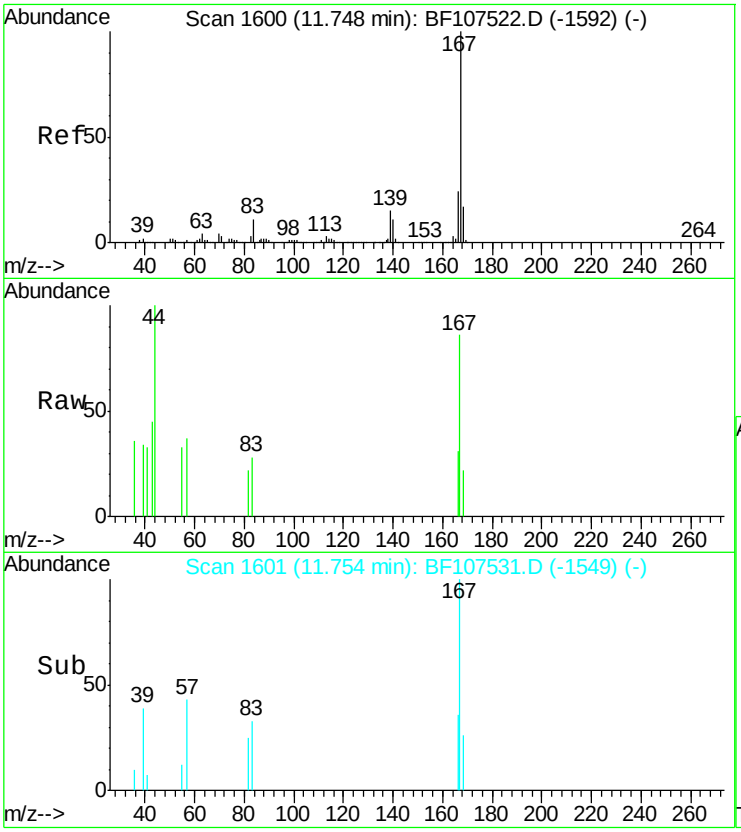


#71
Anthracene
Concen: 0.013 ng
RT: 11.58 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Tgt Ion:178 Resp: 767

Ion	Ratio	Lower	Upper
178	100		
176	0.0	15.4	23.2#
179	0.0	12.6	19.0#



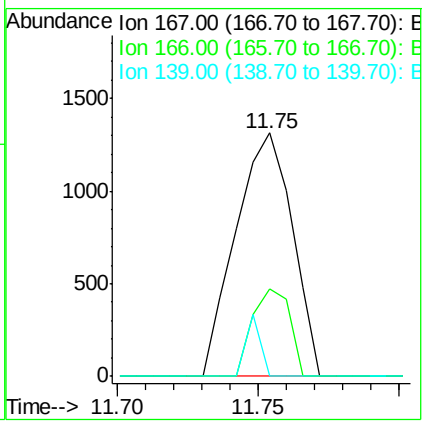


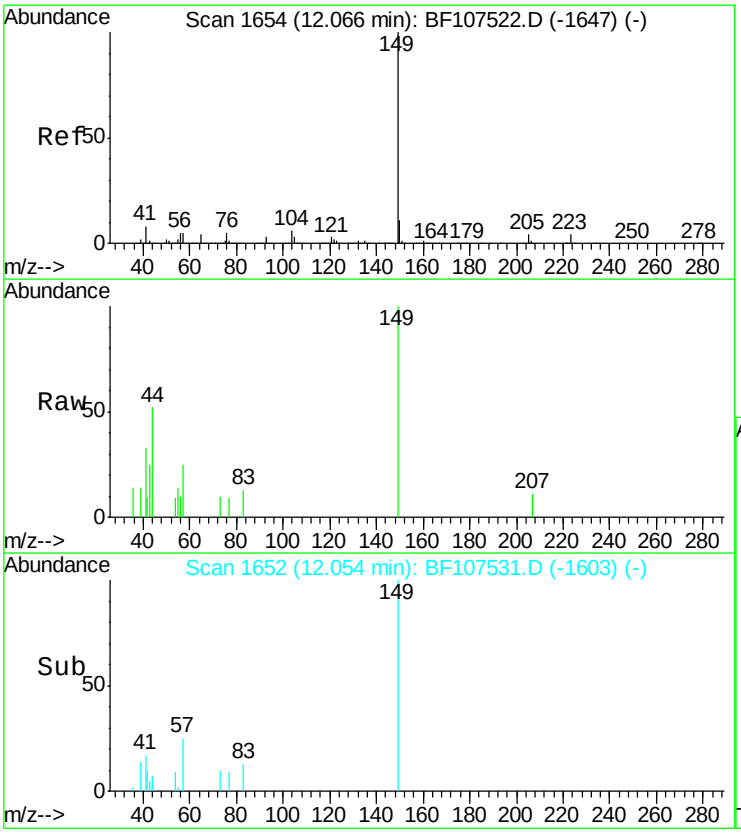
#72
Carbazole
Concen: 0.031 ng
RT: 11.75 min Scan# 1601
Delta R.T. 0.01 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Instrument :
BNA_F
ClientSampleId :
PB111220BL

Tgt Ion:167 Resp: 1825

Ion	Ratio	Lower	Upper
167	100		
166	35.8	17.6	26.4#
139	0.0	10.9	16.3#

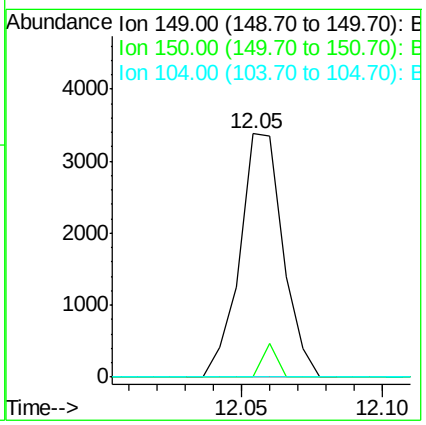


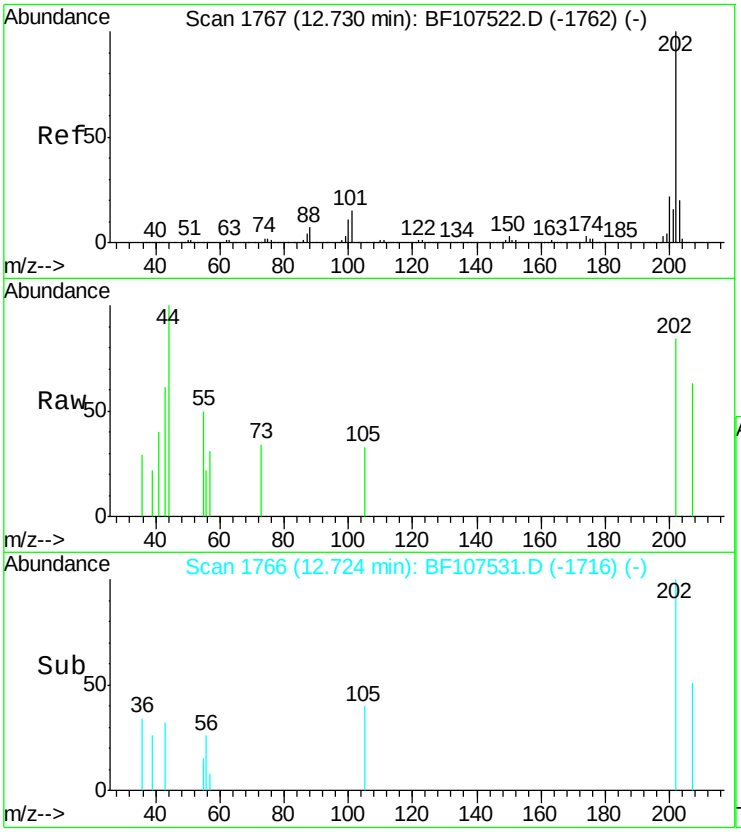


#73
Di-n-butylphthalate
Concen: Below Cal
RT: 12.05 min Scan# 1652
Delta R.T. -0.01 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Tgt Ion:149 Resp: 3596

Ion	Ratio	Lower	Upper
149	100		
150	0.0	7.8	11.6#
104	0.0	3.8	5.8#



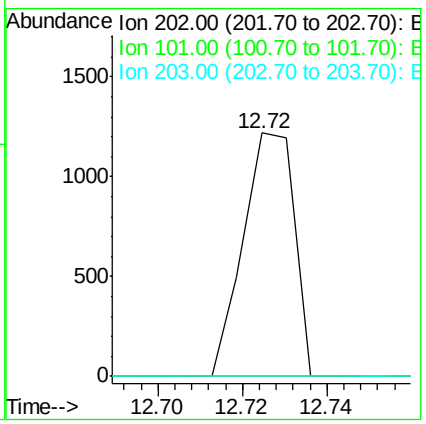


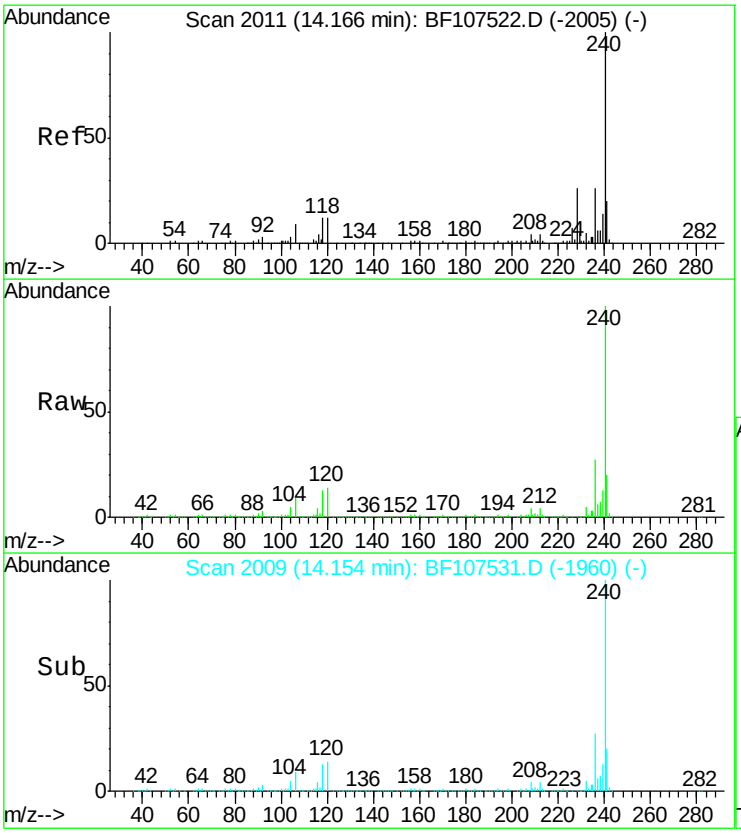
#74
Fluoranthene
Concen: 0.017 ng
RT: 12.72 min Scan# 1766
Delta R.T. -0.01 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Instrument :
BNA_F
ClientSampleId :
PB111220BL

Tgt Ion:202 Resp: 1028

Ion	Ratio	Lower	Upper
202	100		
101	0.0	0.0	34.1
203	0.0	0.0	38.1

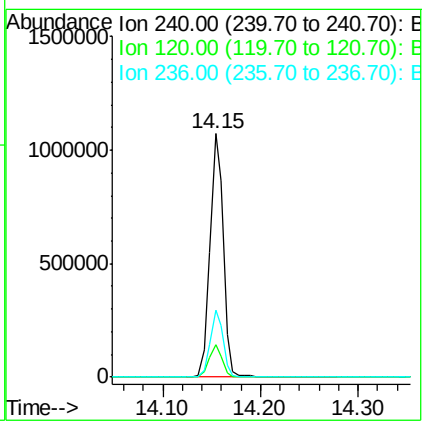


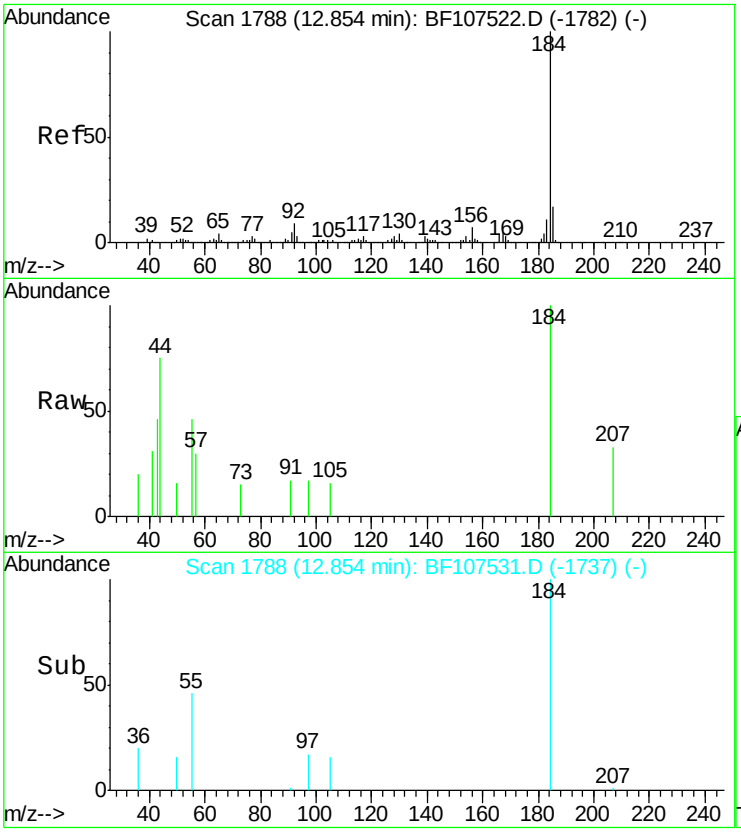


#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2009
Delta R.T. -0.01 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Tgt Ion:240 Resp: 1012926

Ion	Ratio	Lower	Upper
240	100		
120	13.5	9.5	14.3
236	27.3	20.7	31.1



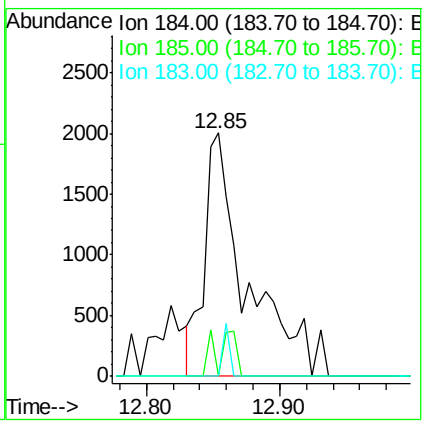


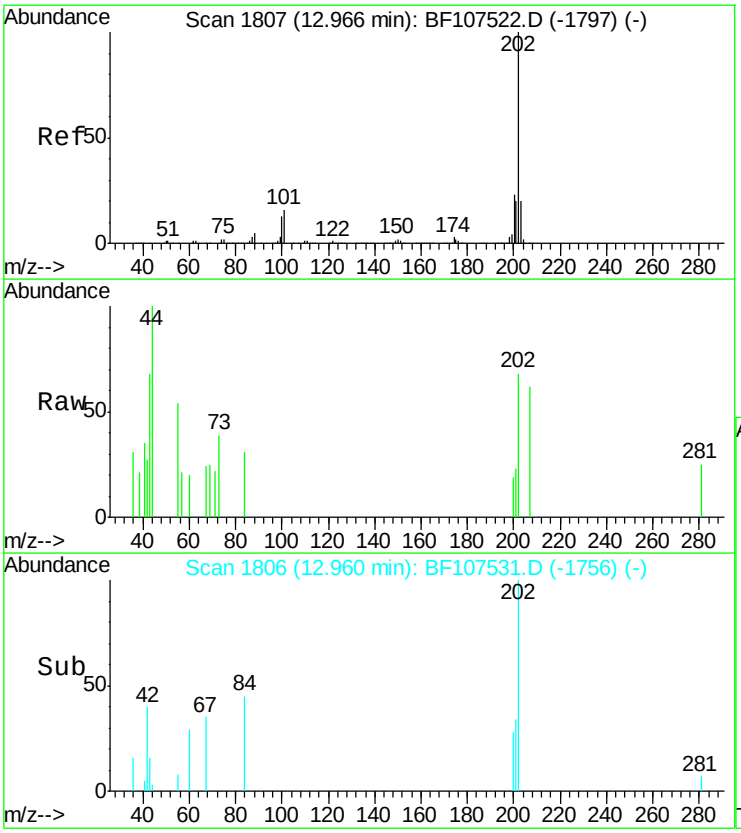
#76
Benzidine
Concen: 0.153 ng
RT: 12.85 min Scan# 1788
Delta R.T. 0.00 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Instrument :
BNA_F
ClientSampleId :
PB111220BL

Tgt Ion:184 Resp: 4475

Ion	Ratio	Lower	Upper
184	100		
185	0.0	12.6	18.8#
183	0.0	9.3	13.9#

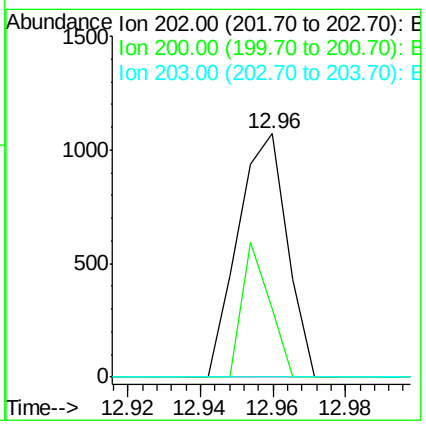


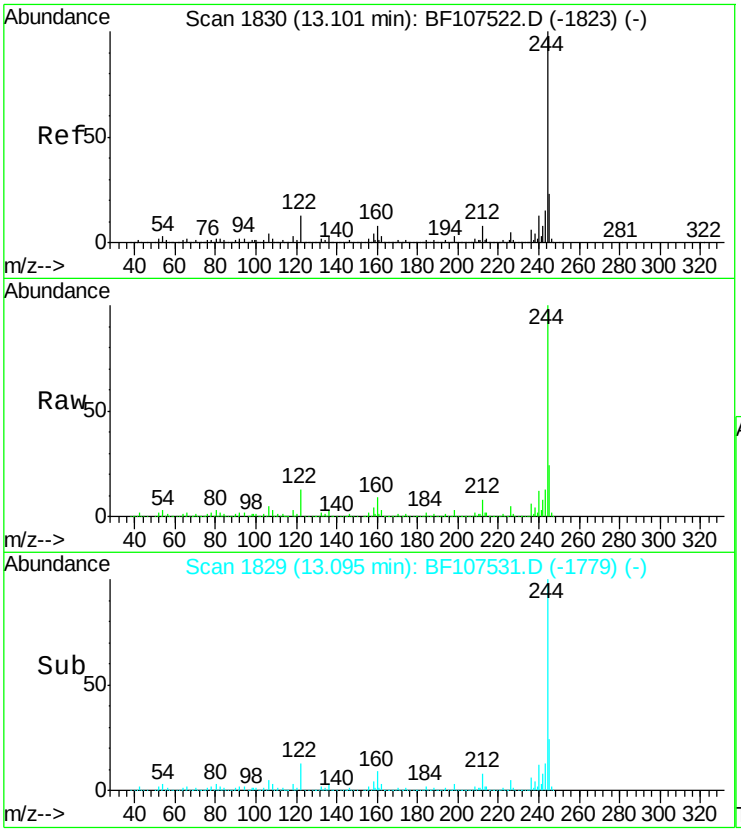


#77
Pyrene
Concen: 0.015 ng
RT: 12.96 min Scan# 1806
Delta R.T. -0.01 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Tgt Ion:202 Resp: 1017

Ion	Ratio	Lower	Upper
202	100		
200	28.3	17.4	26.2#
203	0.0	14.3	21.5#



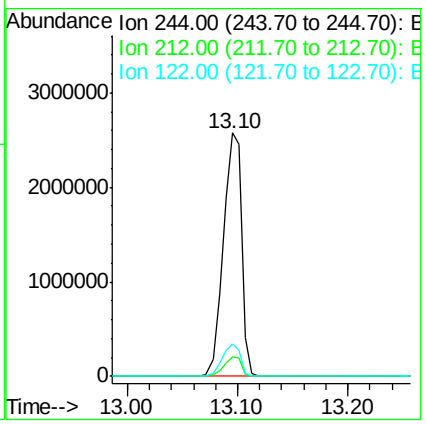


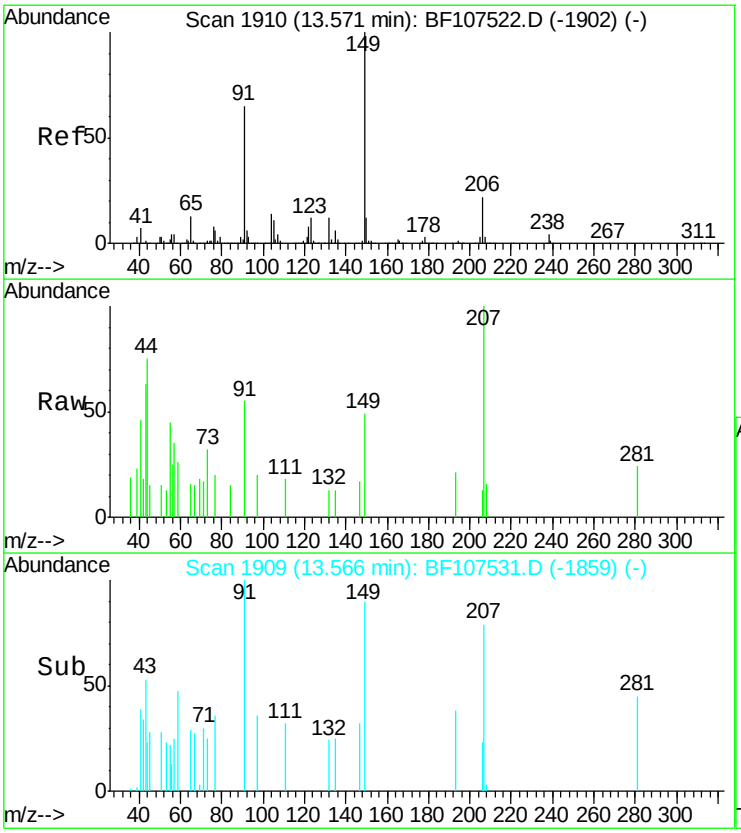
#78
Terphenyl-d14
Concen: 75.682 ng
RT: 13.10 min Scan# 1829
Delta R.T. -0.00 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Instrument :
BNA_F
ClientSampleId :
PB111220BL

Tgt Ion:244 Resp: 2994425

Ion	Ratio	Lower	Upper
244	100		
212	8.2	5.4	8.0#
122	13.4	11.0	16.4

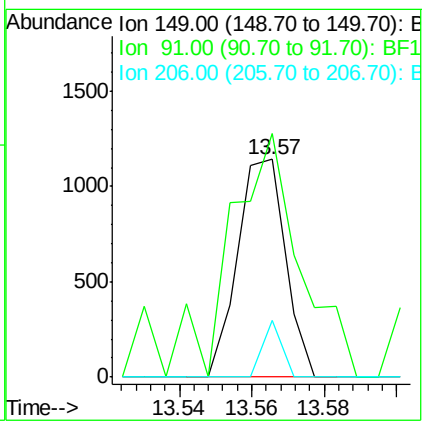


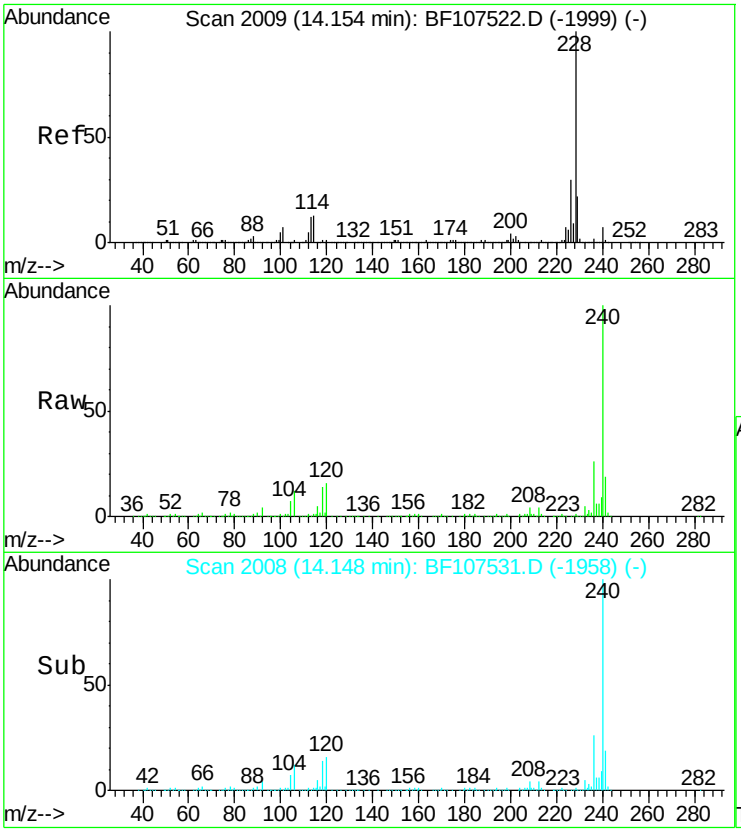


#79
Butylbenzylphthalate
Concen: 0.035 ng
RT: 13.57 min Scan# 1909
Delta R.T. -0.01 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Tgt Ion:149 Resp: 1048

Ion	Ratio	Lower	Upper
149	100		
91	111.7	56.8	85.2#
206	26.2	14.1	21.1#



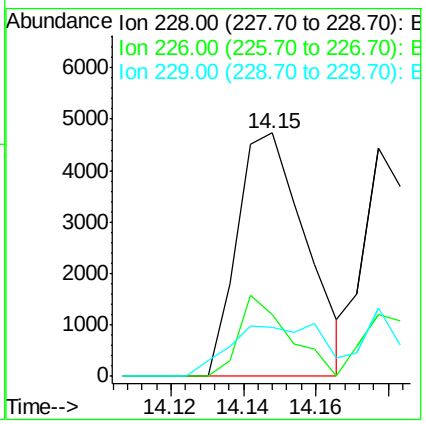


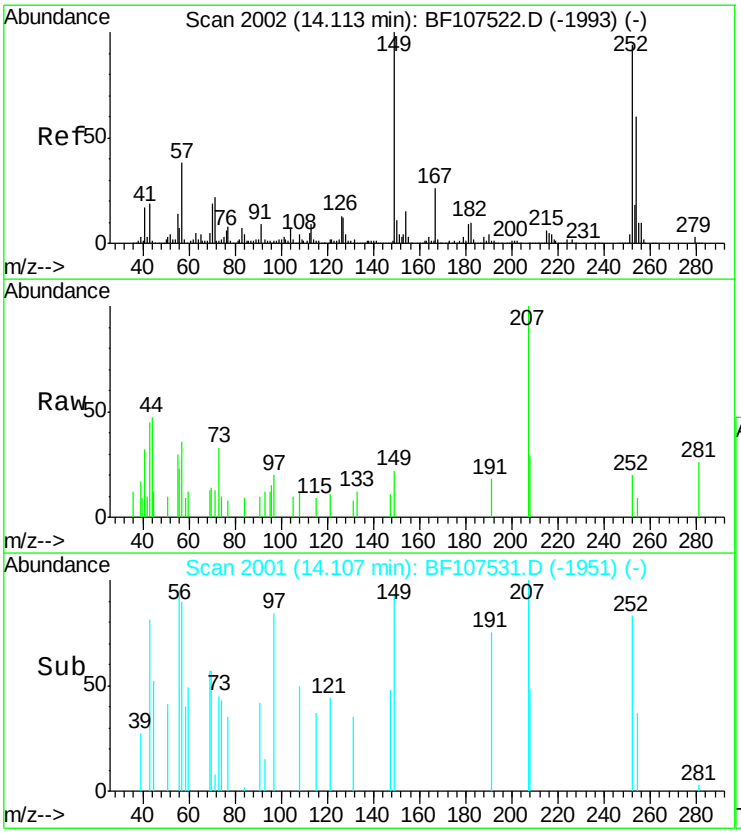
#80
Benzo(a)anthracene
Concen: 0.105 ng
RT: 14.15 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Instrument :
BNA_F
ClientSampleId :
PB111220BL

Tgt Ion:228 Resp: 6254

Ion	Ratio	Lower	Upper
228	100		
226	25.2	22.6	33.8
229	20.3	15.8	23.6

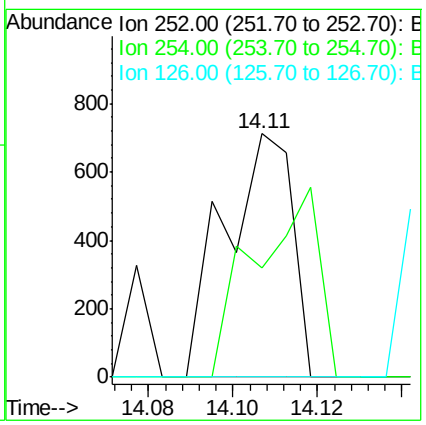


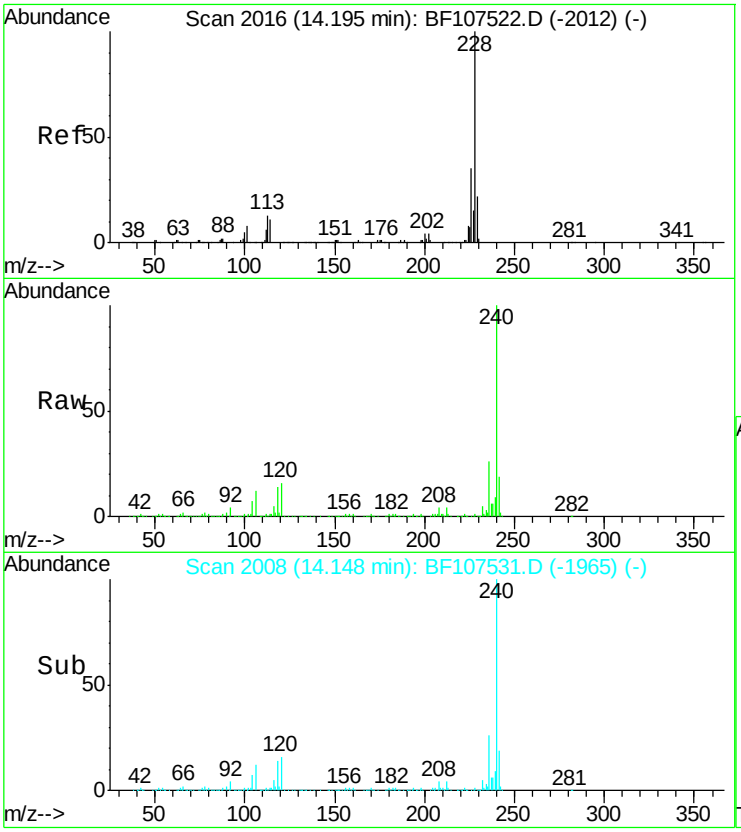


#81
3,3'-Dichlorobenzidine
Concen: Below Cal
RT: 14.11 min Scan# 2001
Delta R.T. -0.01 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Tgt Ion:252 Resp: 792

Ion	Ratio	Lower	Upper
252	100		
254	44.9	50.4	75.6#
126	0.0	11.3	16.9#



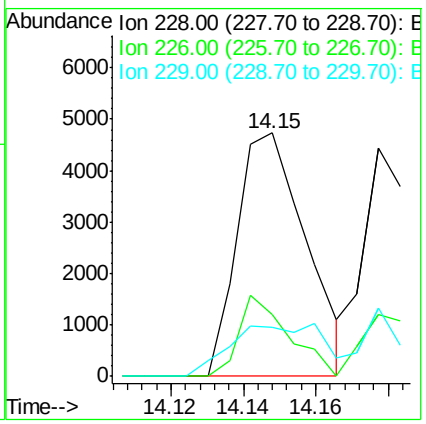


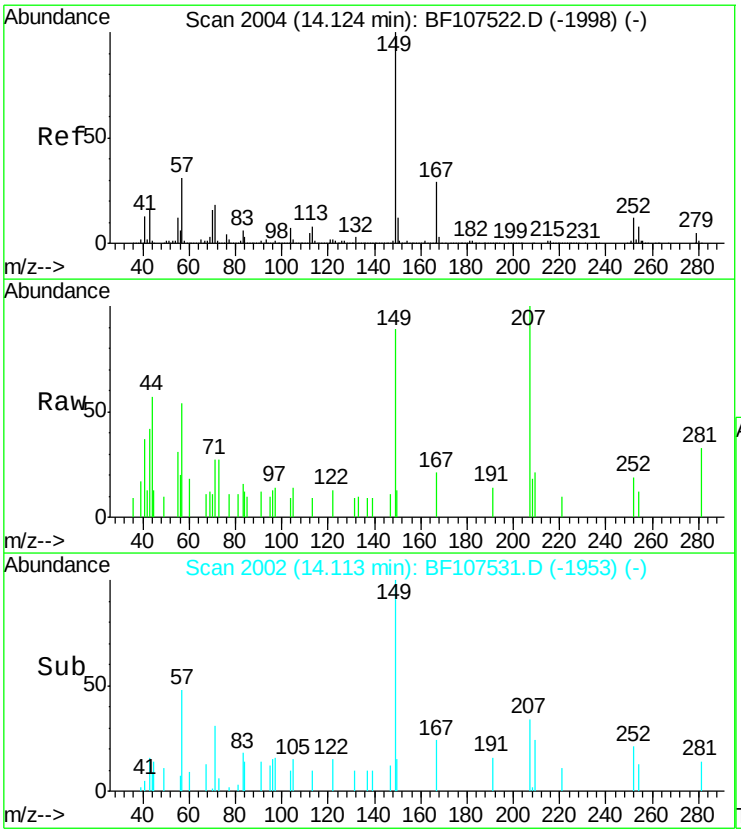
#82
Chrysene
Concen: 0.110 ng
RT: 14.15 min Scan# 2008
Delta R.T. -0.05 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Instrument :
BNA_F
ClientSampleId :
PB111220BL

Tgt Ion:228 Resp: 6254

Ion	Ratio	Lower	Upper
228	100		
226	25.2	25.0	37.6
229	20.3	16.2	24.4

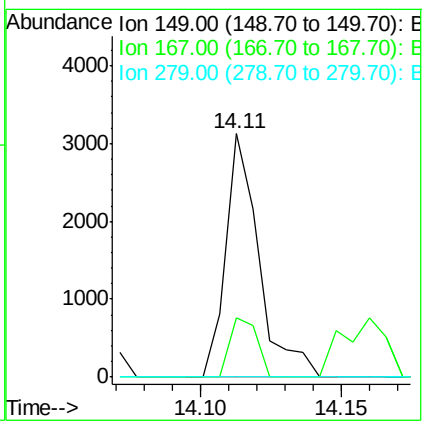


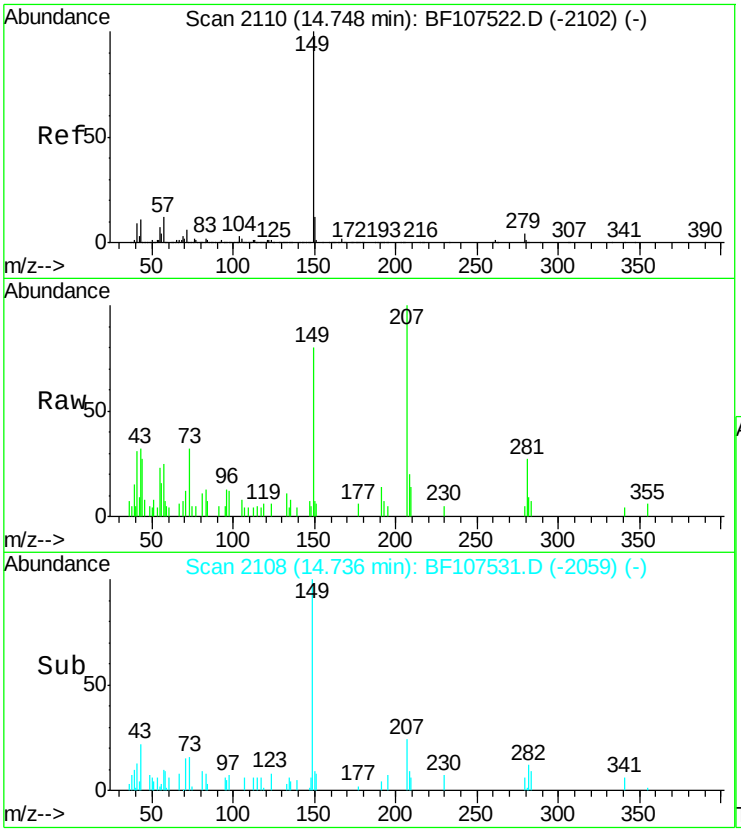


#83
Bis(2-ethylhexyl)phthalate
Concen: 0.061 ng
RT: 14.11 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Tgt Ion:149 Resp: 2549

Ion	Ratio	Lower	Upper
149	100		
167	24.1	21.3	31.9
279	0.0	3.0	4.4#



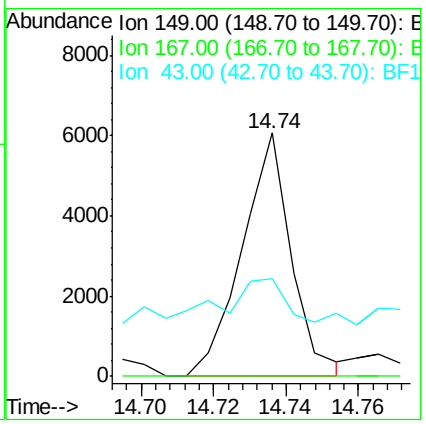


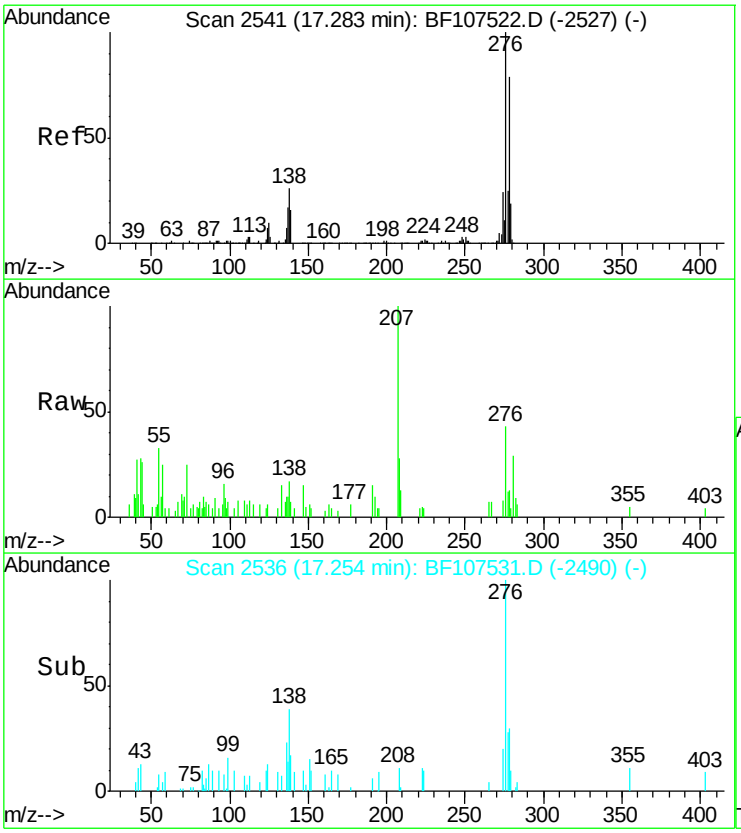
#84
Di-n-octyl phthalate
Concen: 0.087 ng
RT: 14.74 min Scan# 2108
Delta R.T. -0.01 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Instrument :
BNA_F
ClientSampleId :
PB111220BL

Tgt Ion:149 Resp: 5713

Ion	Ratio	Lower	Upper
149	100		
167	0.0	1.2	1.8#
43	25.4	8.4	12.6#

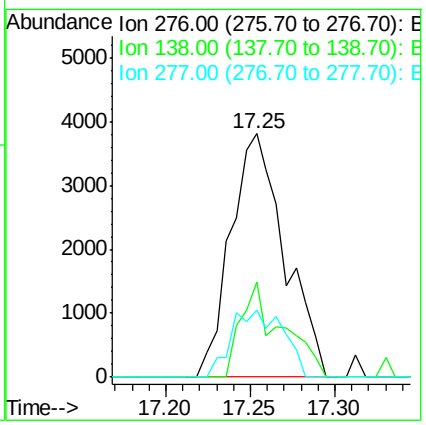


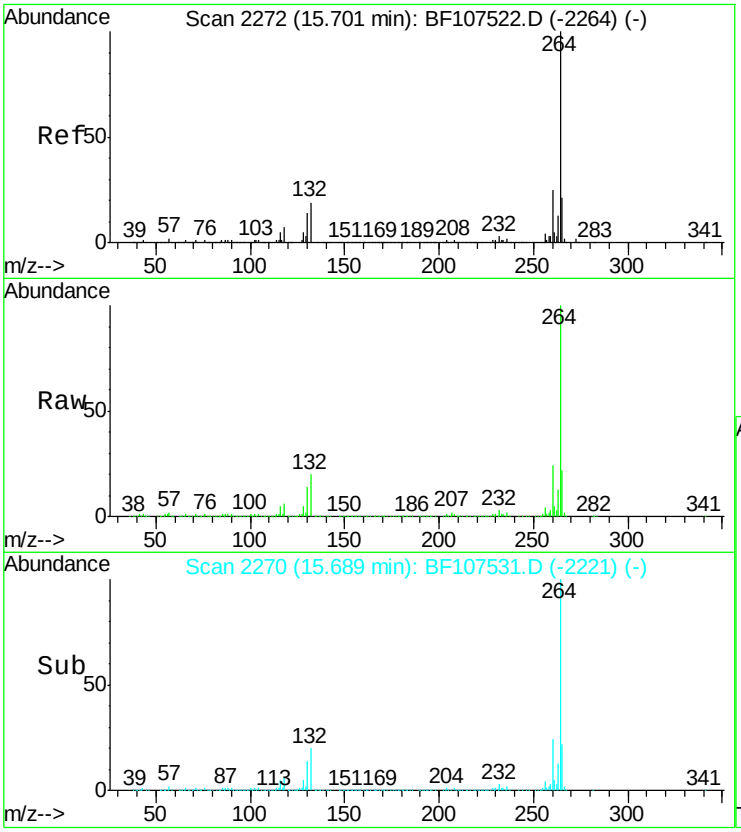


#85
Indeno(1,2,3-cd)pyrene
Concen: 0.175 ng
RT: 17.25 min Scan# 2536
Delta R.T. -0.03 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Tgt Ion:276 Resp: 8450

Ion	Ratio	Lower	Upper
276	100		
138	29.5	25.0	37.6
277	26.6	20.1	30.1



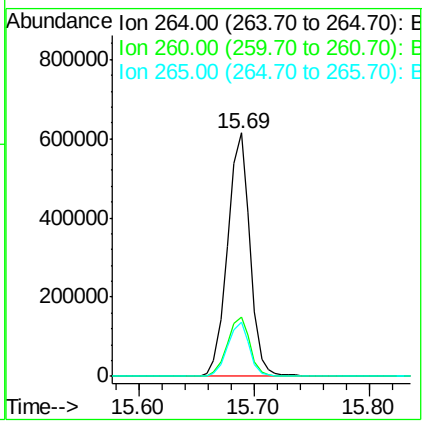


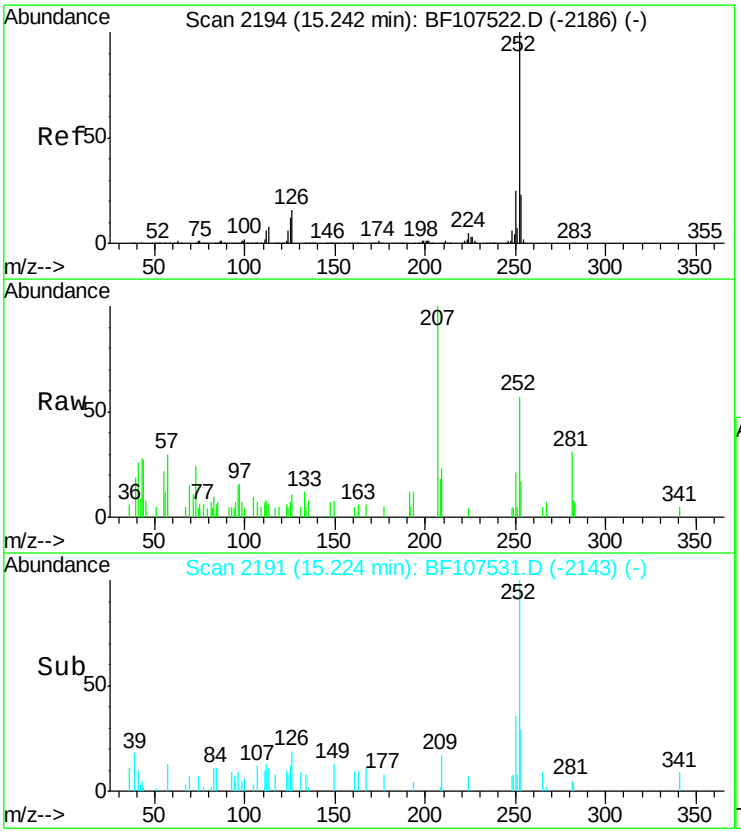
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Instrument :
BNA_F
ClientSampleId :
PB111220BL

Tgt Ion:264 Resp: 826180

Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.1	17.5	26.3

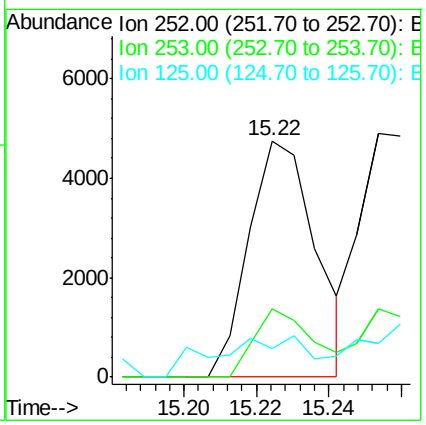


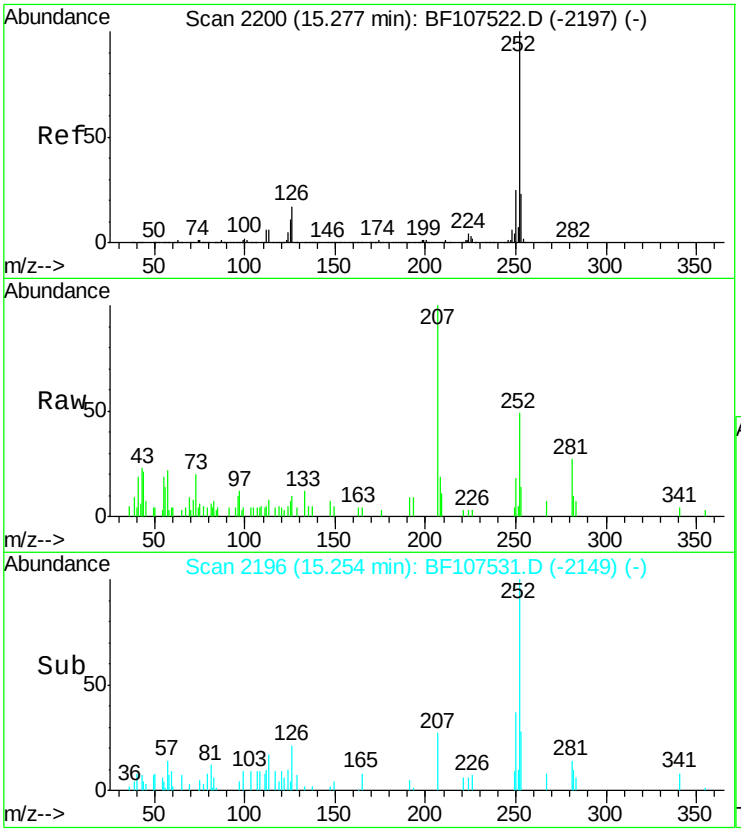


#87
Benzo(b)fluoranthene
Concen: 0.135 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.02 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Tgt Ion:252 Resp: 6111

Ion	Ratio	Lower	Upper
252	100		
253	29.0	17.0	25.6#
125	12.3	9.0	13.6



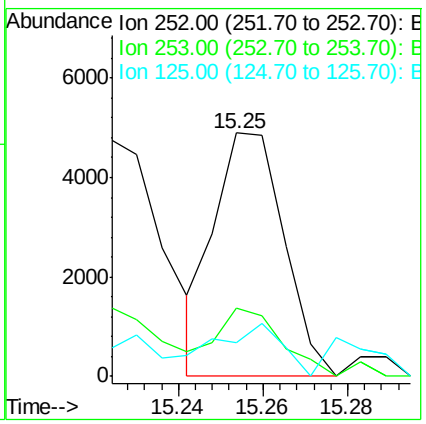


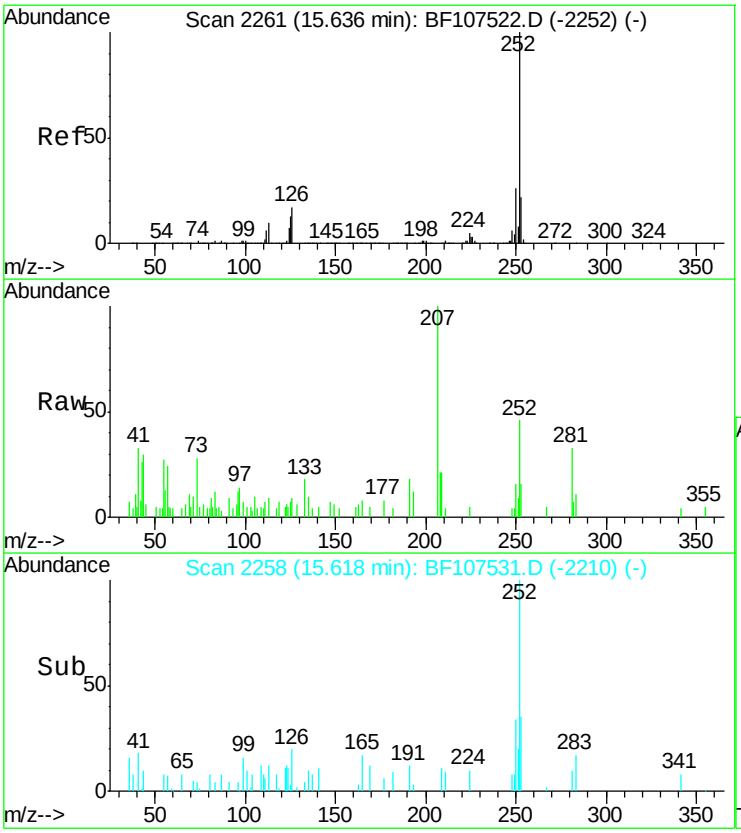
#88
Benzo(k)fluoranthene
Concen: 0.127 ng
RT: 15.25 min Scan# 2196
Delta R.T. -0.02 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Instrument :
BNA_F
ClientSampleId :
PB111220BL

Tgt Ion:252 Resp: 5607

Ion	Ratio	Lower	Upper
252	100		
253	27.9	17.9	26.9#
125	13.6	10.2	15.2

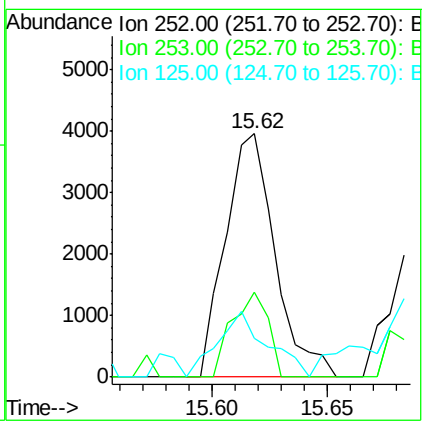


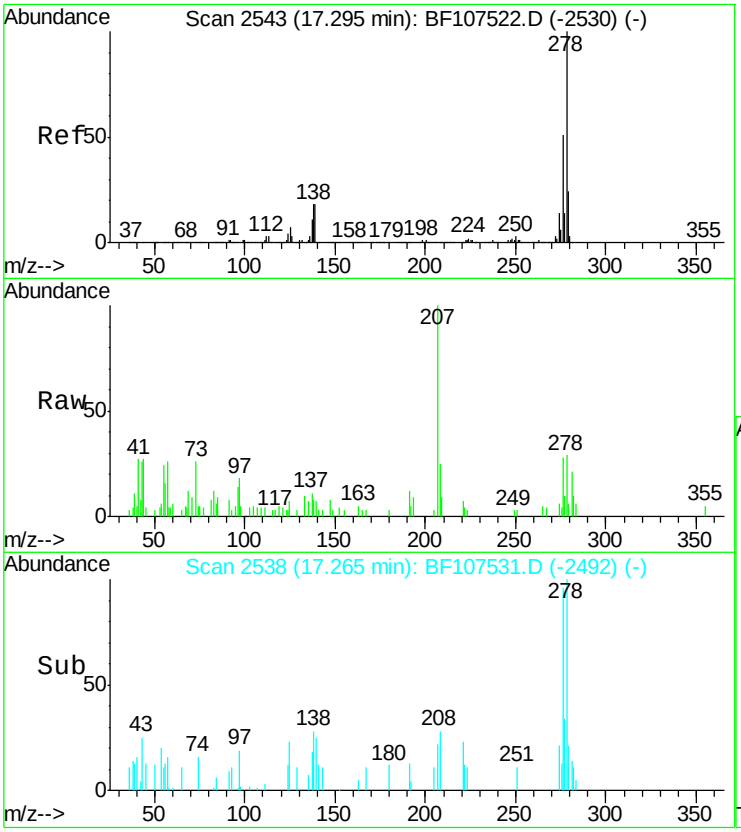


#89
Benzo(a)pyrene
Concen: 0.143 ng
RT: 15.62 min Scan# 2258
Delta R.T. -0.02 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Tgt Ion:252 Resp: 5922

Ion	Ratio	Lower	Upper
252	100		
253	35.1	17.1	25.7#
125	15.9	9.8	14.6#



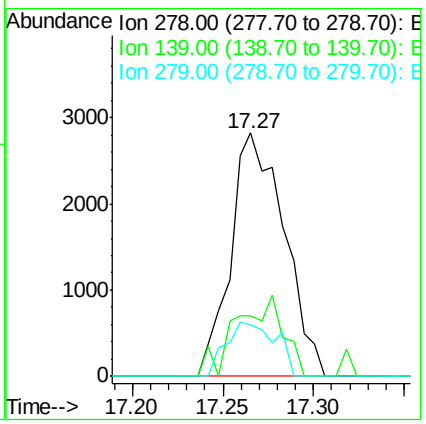


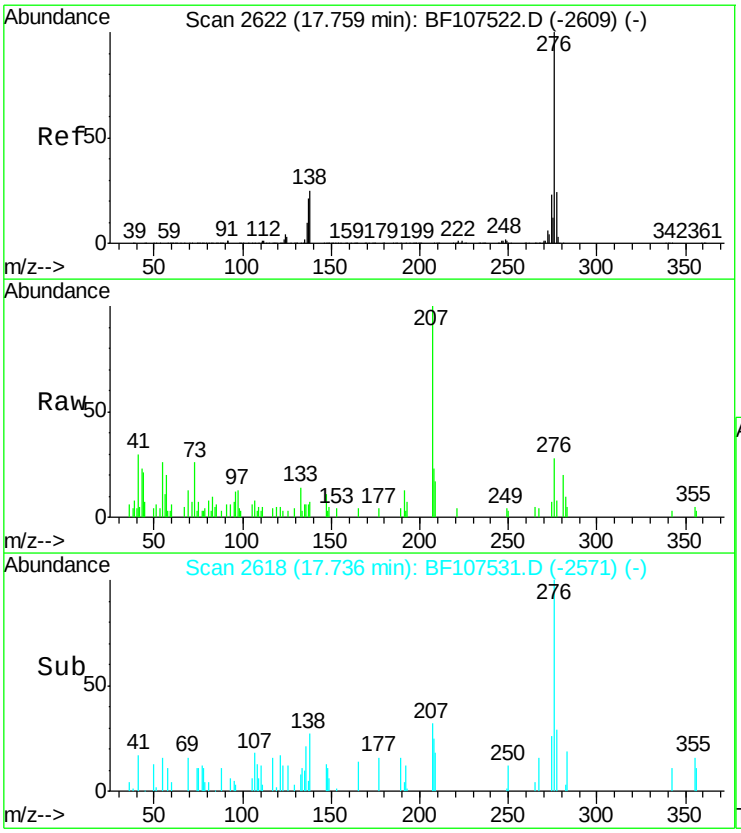
#90
Dibenzo(a,h)anthracene
Concen: 0.162 ng
RT: 17.27 min Scan# 2538
Delta R.T. -0.03 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Instrument :
BNA_F
ClientSampleId :
PB111220BL

Tgt Ion:278 Resp: 5785

Ion	Ratio	Lower	Upper
278	100		
139	25.1	15.9	23.9#
279	21.2	19.0	28.4





#91
Benzo(g,h,i)perylene
Concen: 0.206 ng
RT: 17.74 min Scan# 2618
Delta R.T. -0.02 min
Lab File: BF107531.D
Acq: 20 Jul 2018 18:45

Tgt Ion:276 Resp: 7282

Ion	Ratio	Lower	Upper
276	100		
277	29.2	17.9	26.9#
138	26.9	21.8	32.8