Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021319\
Data File : BF112556.D
Acq On : 14 Feb 2019 1:48
Operator : JU/SJ
Sample : K1421-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HP-640

Quant Time: Feb 14 04:18:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 28 10:38:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	97607	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	344802	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	133223	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	220664	20.00	ng	0.00
76) Chrysene-d12	14.02	240	178907	20.00	ng	0.00
87) Perylene-d12	15.50	264	121849	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	201612	43.87	ng	0.00
7) Phenol-d6	6.49	99	157841	24.72	ng	0.00
23) Nitrobenzene-d5	7.40	82	499203	83.42	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	117604	75.84	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	894423	94.95	ng	-0.01
79) Terphenyl-d14	12.95	244	733557	77.23	ng	0.00
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.29	42	768	0.393	ng	# 1
6) Aniline	6.51	93	1947	0.256	ng	# 1
9) Benzaldehyde	6.40	77	2914	0.873	ng	# 86
10) Phenol	6.50	94	23737	3.388	ng	88
11) bis(2-Chloroethyl)ether	6.56	93	145	0.026	ng	# 22
15) Benzyl Alcohol	6.99	79	12022	2.233	ng	# 52
16) 2,2'-oxybis(1-Chloropropan	7.12	45	783	0.111	ng	63
17) 2-Methylphenol	7.19	107	392	0.080	ng	# 7
18) Hexachloroethane	7.37	117	315	0.121	ng	# 1
19) n-Nitroso-di-n-propylamine	7.23	70	5031	1.143	ng	# 54
20) 3+4-Methylphenols	7.27	107	12868	2.053	ng	# 58
22) Acetophenone	7.25	105	7140	0.850	ng	# 91
24) Nitrobenzene	7.40	77	2417	0.404	ng	# 33
25) Isophorone	7.40	82	499197	53.175	ng	# 64
26) 2-Nitrophenol	7.73	139	885	0.277	ng	# 39
27) 2,4-Dimethylphenol	7.91	122	26155	5.944	ng	# 10
28) bis(2-Chloroethoxy)methane	7.83	93	1672	0.262	ng	# 74
31) Naphthalene	8.14	128	3037	0.188	ng	# 83
32) Benzoic acid	7.91	122	26155	10.420	ng	98
33) 4-Chloroaniline	8.20	127	112	0.016	ng	# 48
35) Caprolactam	8.57	113	1456	0.838	ng	# 1
36) 4-Chloro-3-methylphenol	8.68	107	446	0.086	ng	# 17
37) 2-Methylnaphthalene	8.83	142	1144	0.104	ng	# 53
38) 1-Methylnaphthalene	8.93	142	925	0.087	ng	# 92
46) 1,1'-Biphenyl	9.29	154	1611	0.138	ng	84
47) 2-Chloronaphthalene	9.12	162	1729	0.191	ng	# 64
48) 2-Nitroaniline	9.43	65	884	0.359	ng	# 1
49) Acenaphthylene	9.74	152	140	0.011	ng	# 59
50) Dimethylphthalate	9.59	163	25089	2.424	ng	99
51) 2,6-Dinitrotoluene	9.62	165	691	0.298	ng	# 1
52) Acenaphthene	9.87	154	405	0.051	ng	# 5
53) 3-Nitroaniline	9.93	138	280	0.111	ng	# 1
56) 4-Nitrophenol	9.99	139	855	0.644	ng	# 42
57) 2,4-Dinitrotoluene	9.87	165	16807	5.695	ng	# 33

Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021319\
Data File : BF112556.D
Acq On : 14 Feb 2019 1:48
Operator : JU/SJ
Sample : K1421-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HP-640

Quant Time: Feb 14 04:18:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 28 10:38:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
58) Fluorene	10.43	166	264	0.029	ng	#	76
60) Diethylphthalate	10.28	149	17521	1.706	ng		98
62) 4-Nitroaniline	10.46	138	263	0.107	ng	#	63
63) Azobenzene	10.58	77	1317	0.146	ng	#	63
65) 4,6-Dinitro-2-methylphenol	10.67	198	135	0.109	ng	#	1
66) n-Nitrosodiphenylamine	10.53	169	356	0.048	ng	#	76
67) 4-Bromophenyl-phenylether	10.67	248	7217	2.781	ng	#	1
71) Phenanthrene	11.39	178	1507	0.131	ng	#	69
72) Anthracene	11.45	178	257	0.022	ng	#	60
73) Carbazole	11.60	167	307	0.027	ng	#	9
74) Di-n-butylphthalate	11.91	149	10351	0.740	ng	#	96
75) Fluoranthene	12.59	202	1731	0.141	ng	#	40
77) Benzidine	12.53	184	486	0.099	ng	#	7
78) Pyrene	12.82	202	2669	0.215	ng	#	86
80) Butylbenzylphthalate	13.41	149	4822	0.805	ng	#	83
81) Benzo(a)anthracene	14.01	228	1235	0.117	ng	#	42
82) 3,3'-Dichlorobenzidine	13.97	252	139	0.035	ng	#	1
83) Chrysene	14.04	228	1394	0.139	ng	#	93
84) Bis(2-ethylhexyl)phthalate	13.97	149	14941	1.756	ng		92
85) Di-n-octyl phthalate	14.58	149	2535	0.194	ng	#	68
86) Indeno(1,2,3-cd)pyrene	17.02	276	311	0.039	ng	#	1
88) Benzo(b)fluoranthene	15.07	252	1353	0.186	ng	#	1
89) Benzo(k)fluoranthene	15.09	252	1178	0.169	ng	#	1
90) Benzo(a)pyrene	15.44	252	469	0.072	ng	#	1
91) Dibenzo(a,h)anthracene	17.03	278	116	0.022	ng	#	1
92) Benzo(g,h,i)perylene	17.47	276	608	0.122	ng	#	51

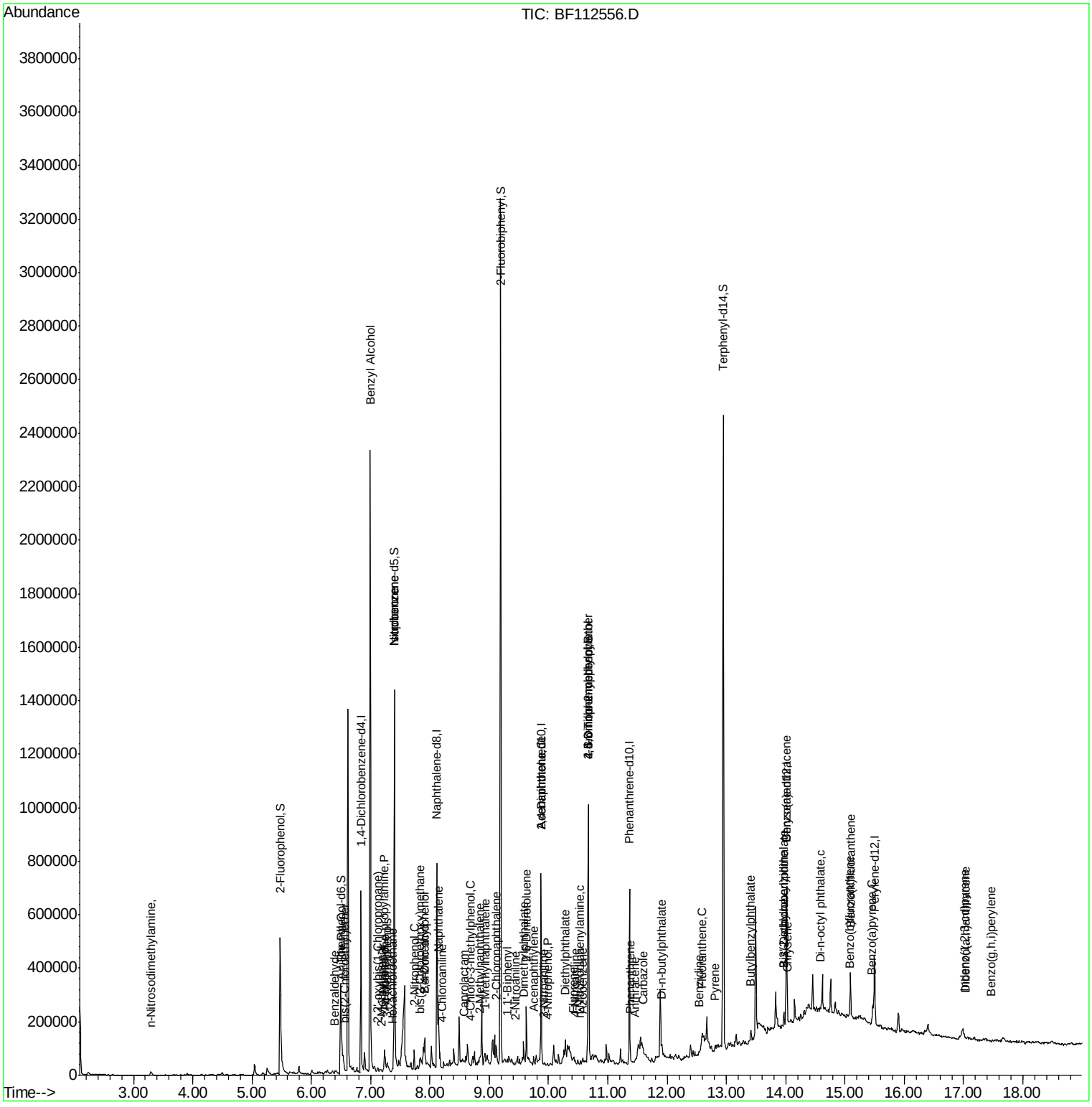
(#) = qualifier out of range (m) = manual integration (+) = signals summed

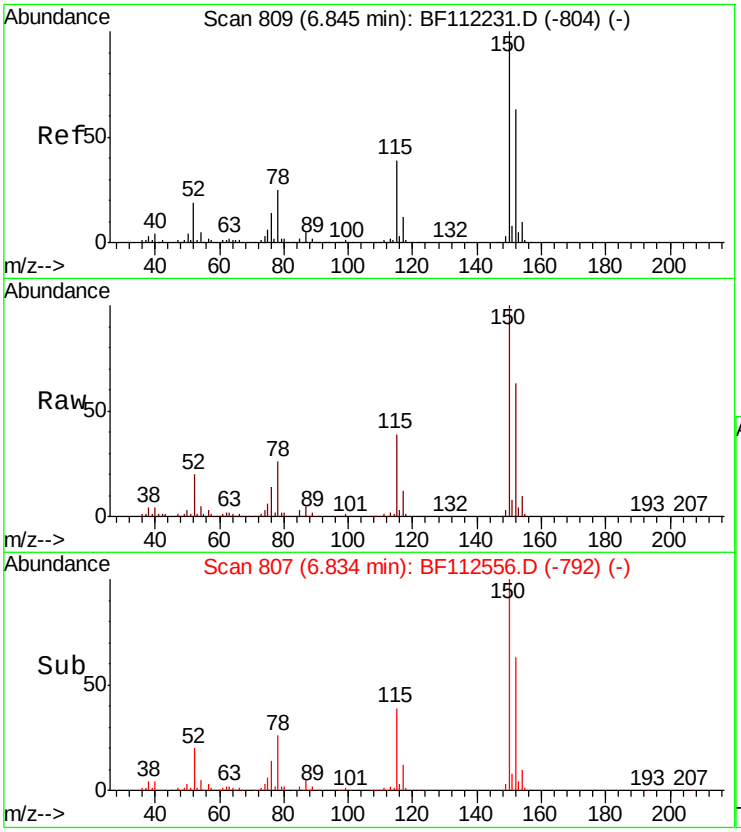
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021319\
Data File : BF112556.D
Acq On : 14 Feb 2019 1:48
Operator : JU/SJ
Sample : K1421-06
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HP-640

Quant Time: Feb 14 04:18:23 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 28 10:38:18 2019
Response via : Initial Calibration



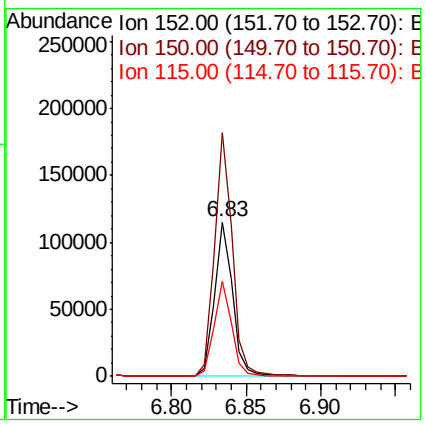


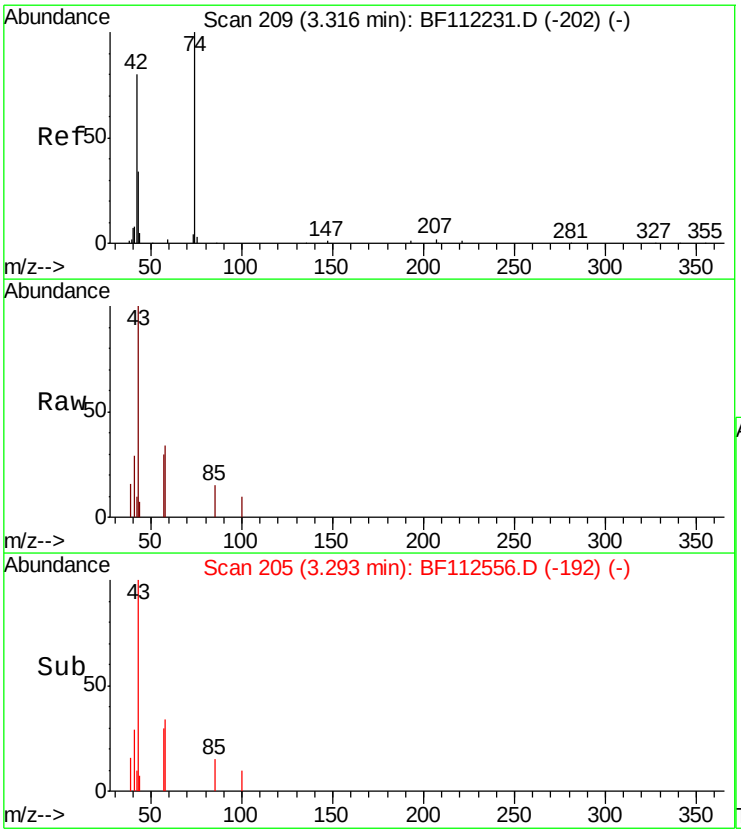
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Instrument :
BNA_F
ClientSampleId :
HP-640

Tgt Ion:152 Resp: 97607

Ion	Ratio	Lower	Upper
152	100		
150	157.7	127.4	191.0
115	61.7	45.5	68.3

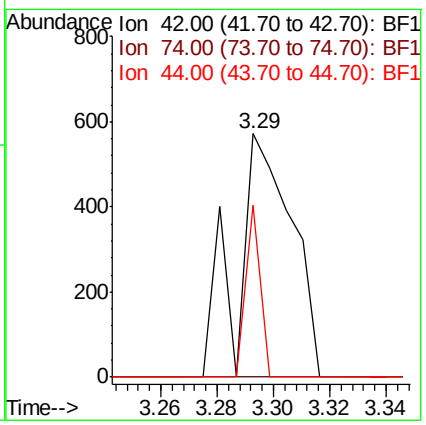


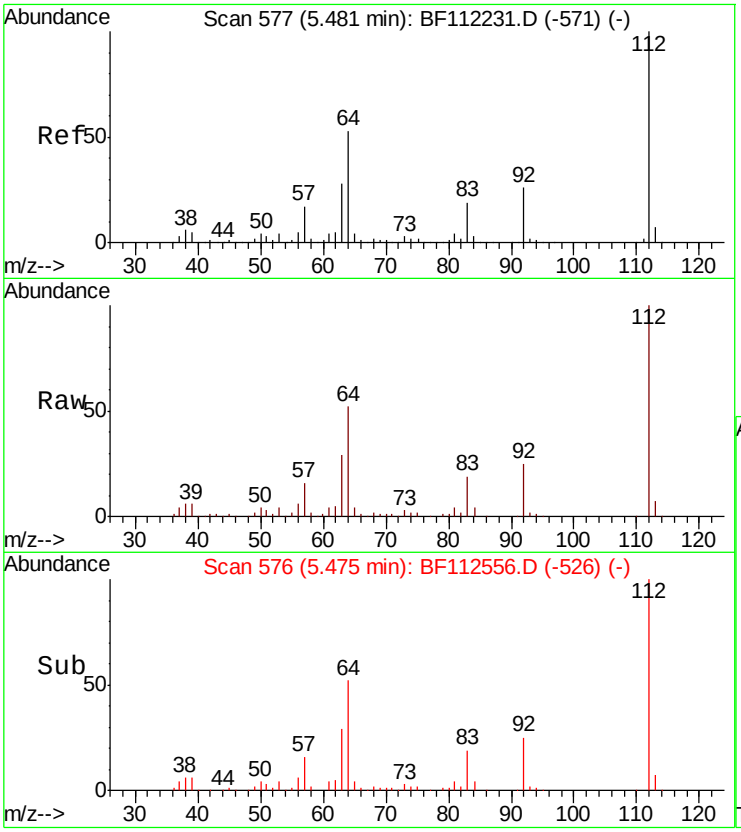


#4
n-Nitrosodimethylamine
Concen: 0.393 ng
RT: 3.29 min Scan# 205
Delta R.T. -0.02 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Tgt Ion: 42 Resp: 768

Ion	Ratio	Lower	Upper
42	100		
74	0.0	105.6	158.4#
44	70.8	5.4	8.2#



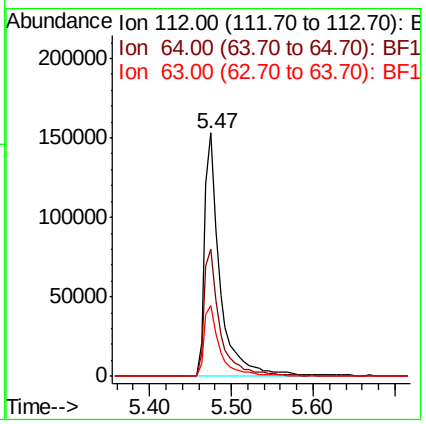


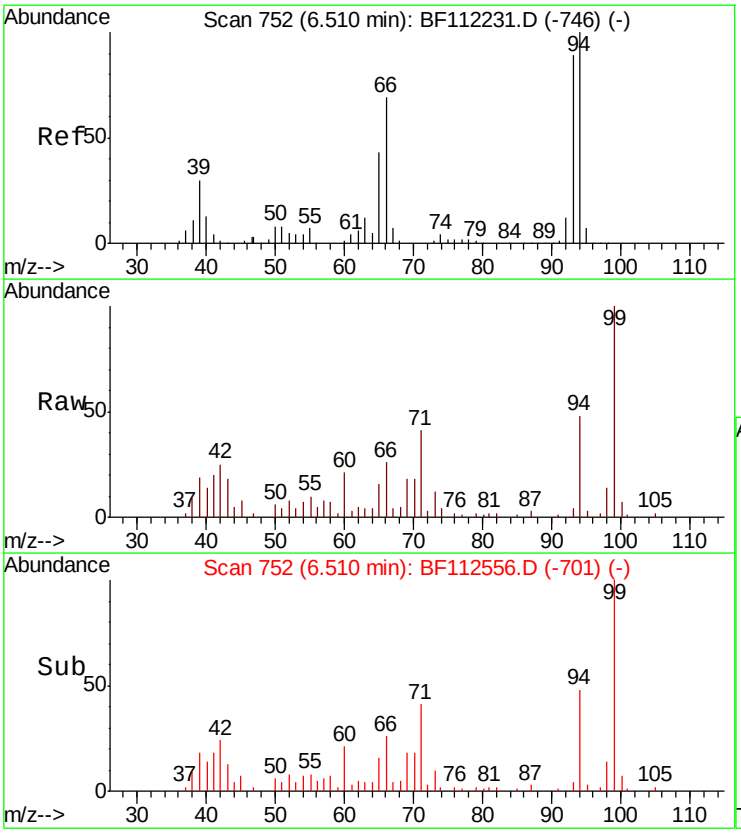
#5
2-Fluorophenol
Concen: 43.874 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Instrument :
BNA_F
ClientSampleId :
HP-640

Tgt Ion:112 Resp: 201612

Ion	Ratio	Lower	Upper
112	100		
64	52.3	45.7	68.5
63	29.3	23.6	35.4

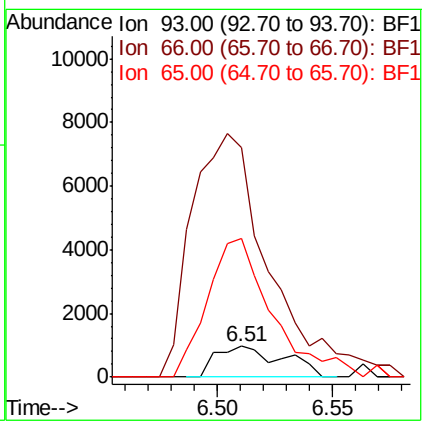


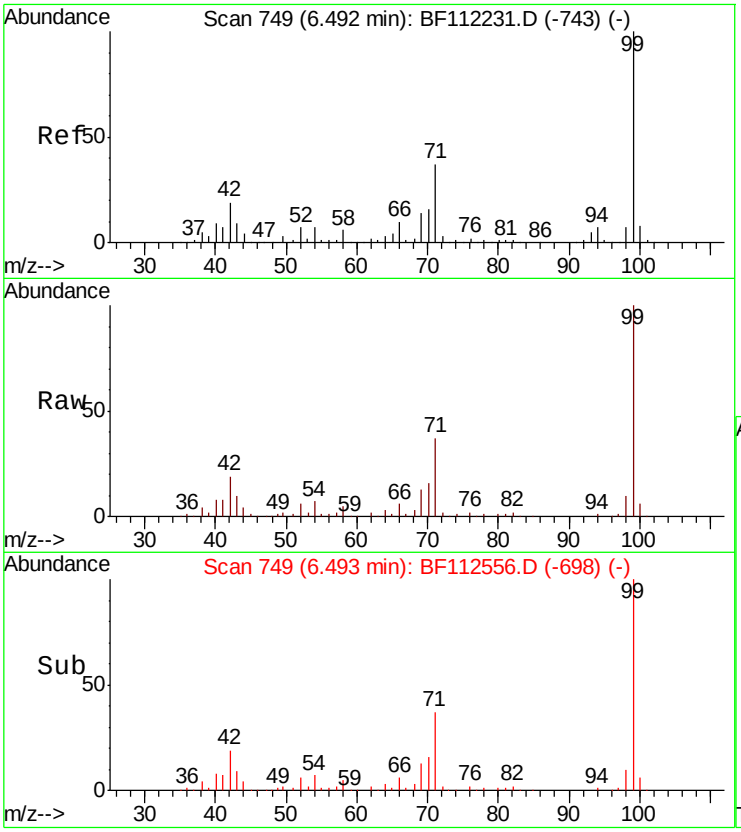


#6
Aniline
Concen: 0.256 ng
RT: 6.51 min Scan# 752
Delta R.T. 0.00 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Tgt Ion: 93 Resp: 1947

Ion	Ratio	Lower	Upper
93	100		
66	748.7	43.4	65.2#
65	450.4	25.3	37.9#



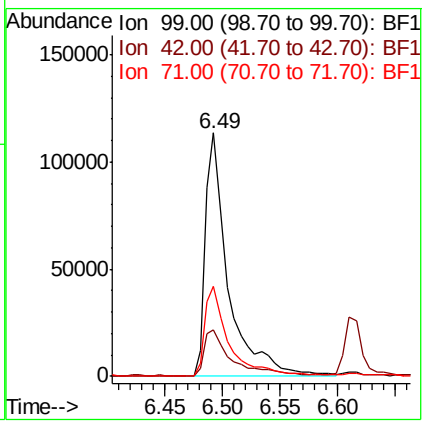


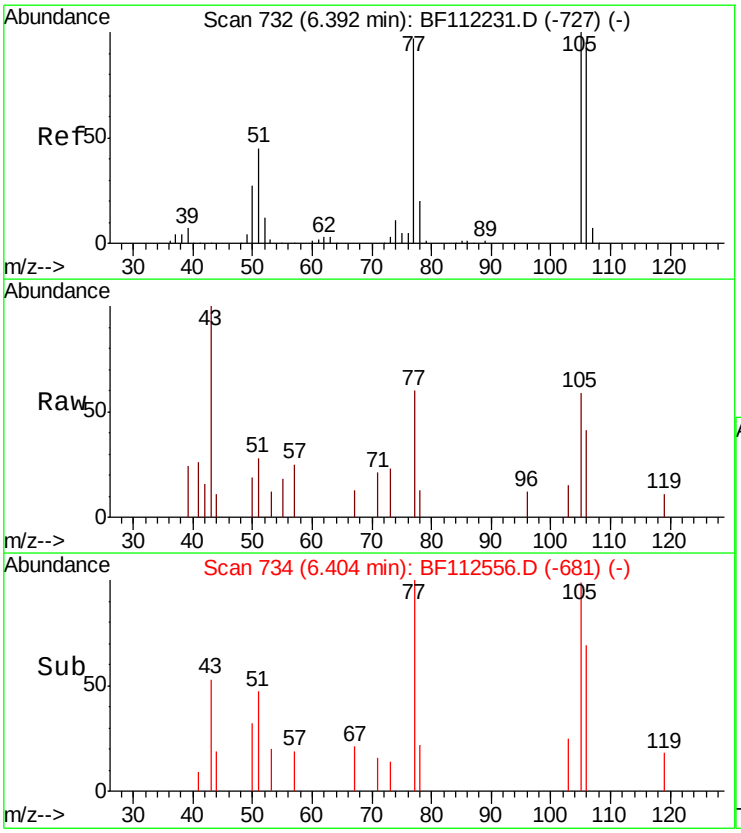
#7
Phenol-d6
Concen: 24.719 ng
RT: 6.49 min Scan# 749
Delta R.T. 0.00 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Instrument :
BNA_F
ClientSampleId :
HP-640

Tgt Ion: 99 Resp: 157841

Ion	Ratio	Lower	Upper
99	100		
42	19.0	15.1	22.7
71	37.2	26.9	40.3

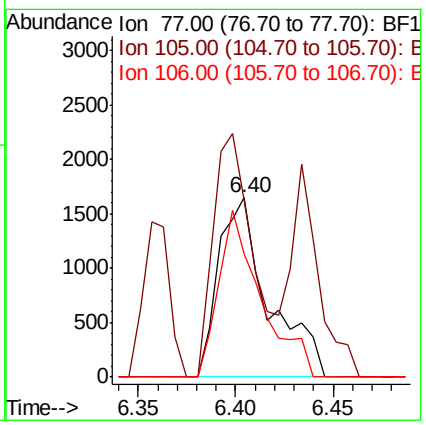


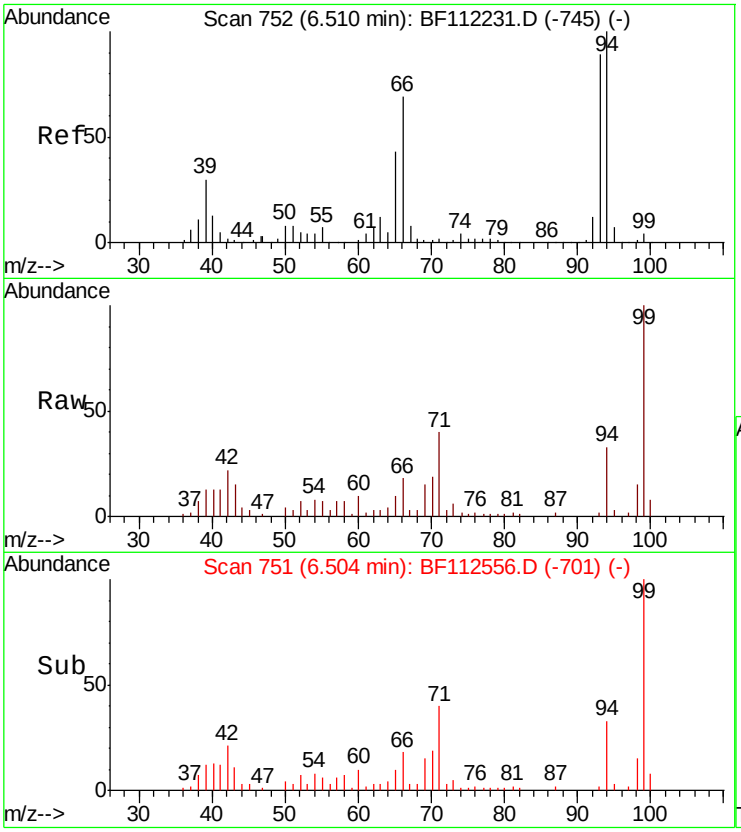


#9
Benzaldehyde
Concen: 0.873 ng
RT: 6.40 min Scan# 734
Delta R.T. 0.01 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Tgt Ion: 77 Resp: 2914

Ion	Ratio	Lower	Upper
77	100		
105	99.0	80.8	120.8
106	68.6	75.7	115.7#



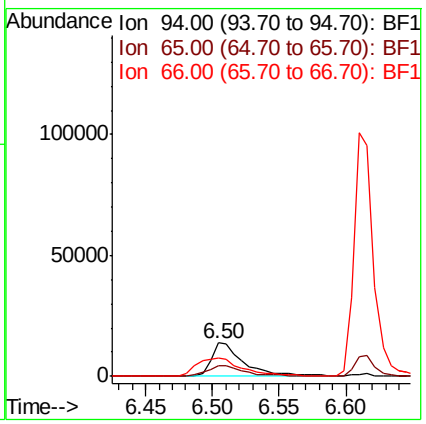


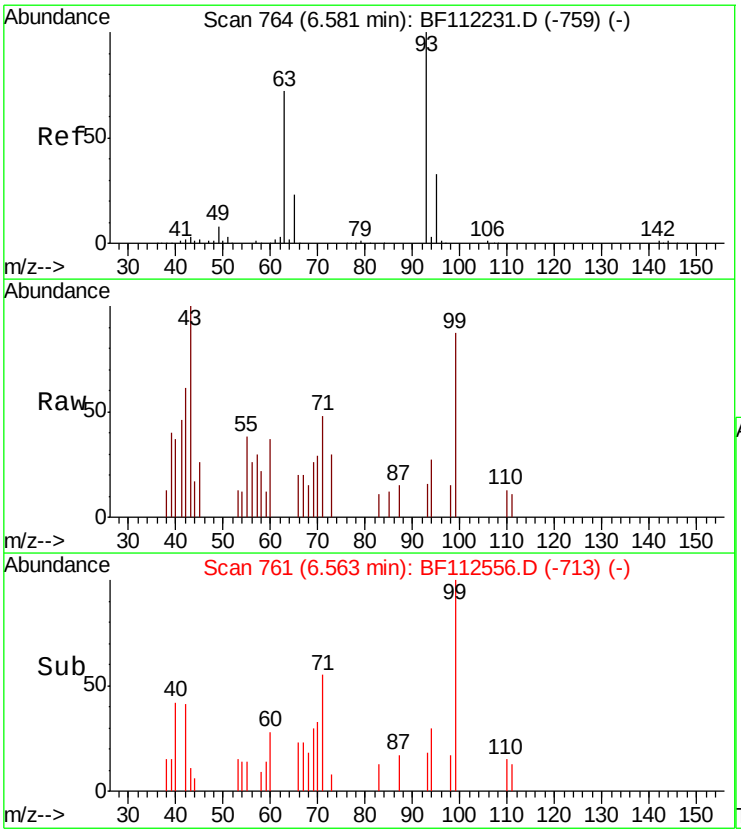
#10
Phenol
Concen: 3.388 ng
RT: 6.50 min Scan# 751
Delta R.T. -0.01 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Instrument :
BNA_F
ClientSampleId :
HP-640

Tgt Ion: 94 Resp: 23737

Ion	Ratio	Lower	Upper
94	100		
65	30.5	20.3	60.3
66	55.4	42.4	82.4

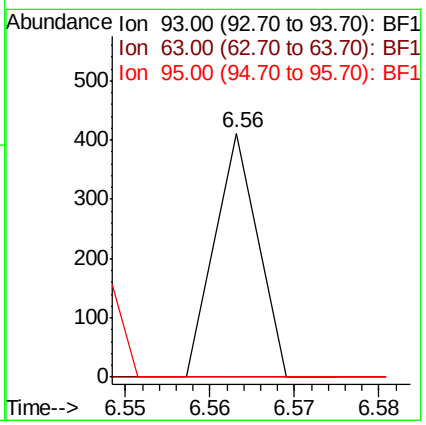


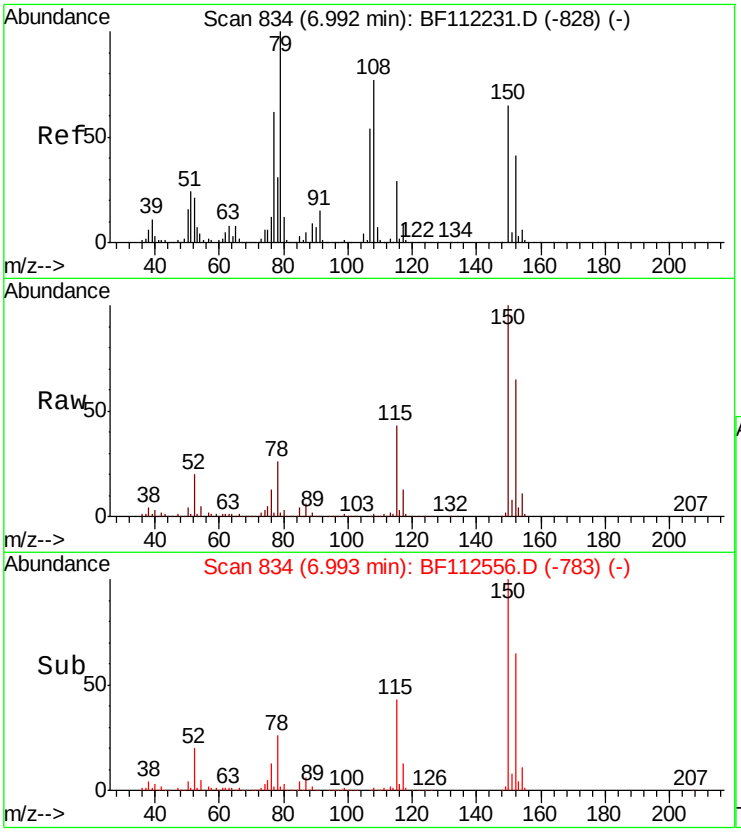


#11
bis(2-Chloroethyl)ether
Concen: 0.026 ng
RT: 6.56 min Scan# 761
Delta R.T. -0.02 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Tgt Ion: 93 Resp: 145

Ion	Ratio	Lower	Upper
93	100		
63	0.0	53.3	93.3#
95	0.0	13.4	53.4#



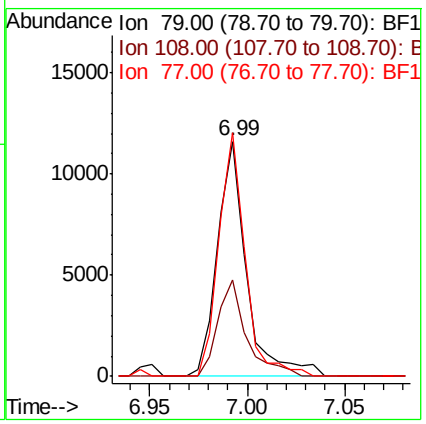


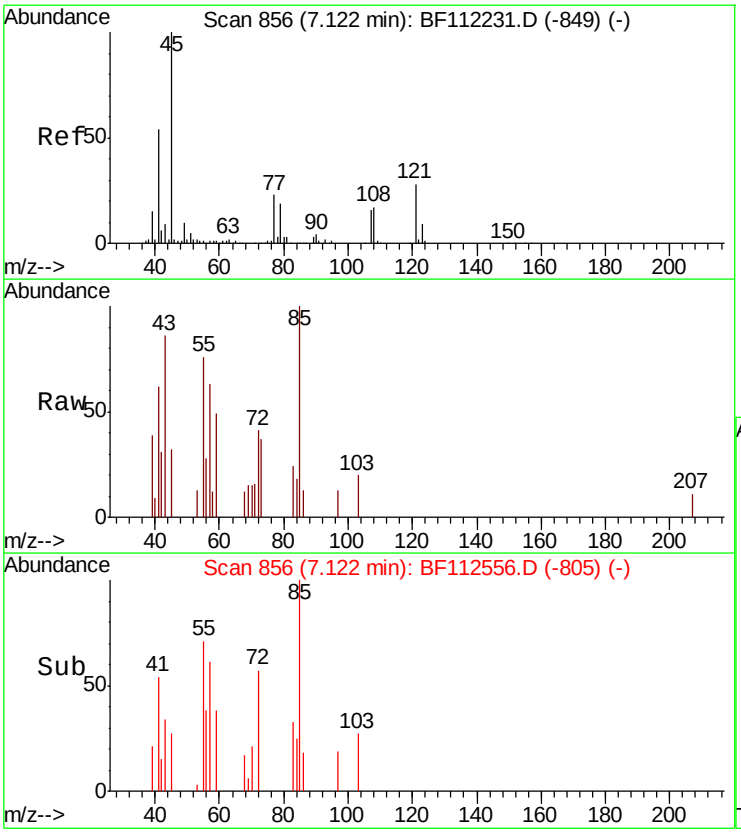
#15
Benzyl Alcohol
Concen: 2.233 ng
RT: 6.99 min Scan# 834
Delta R.T. 0.00 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Instrument :
BNA_F
ClientSampleId :
HP-640

Tgt Ion: 79 Resp: 12022

Ion	Ratio	Lower	Upper
79	100		
108	41.0	64.2	96.2#
77	103.6	50.3	75.5#

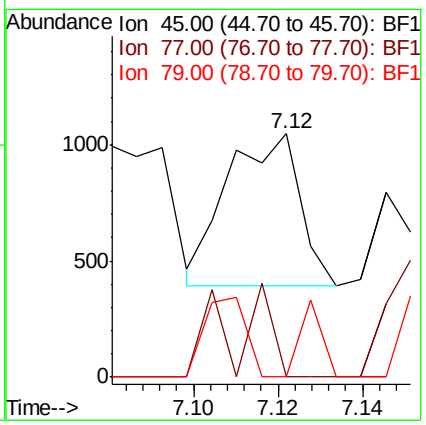


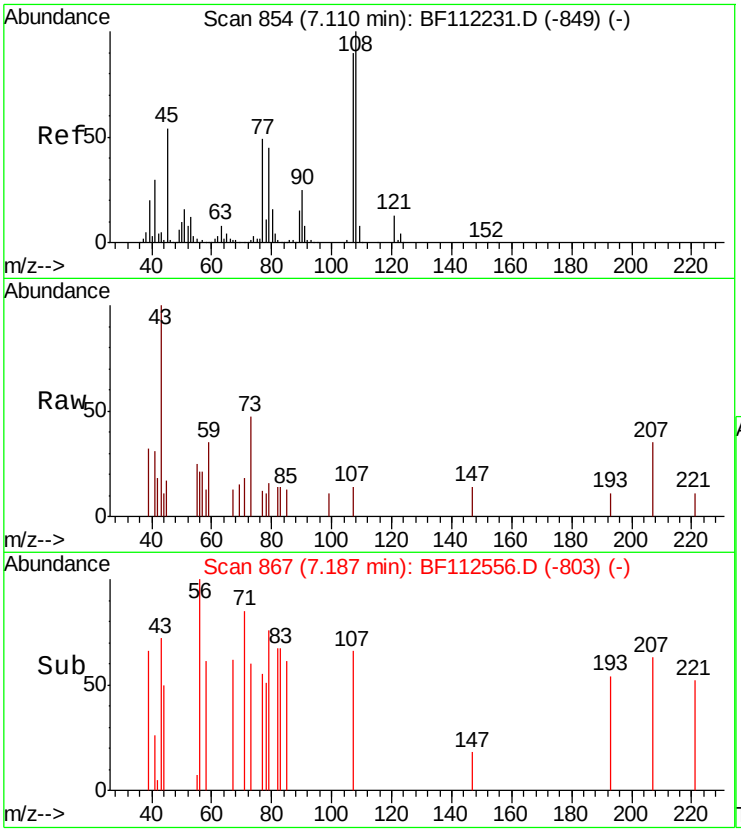


#16
2,2'-oxybis(1-Chloropropane)
Concen: 0.111 ng
RT: 7.12 min Scan# 856
Delta R.T. 0.00 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Tgt Ion: 45 Resp: 783

Ion	Ratio	Lower	Upper
45	100		
77	0.0	0.0	36.9
79	0.0	0.0	34.0



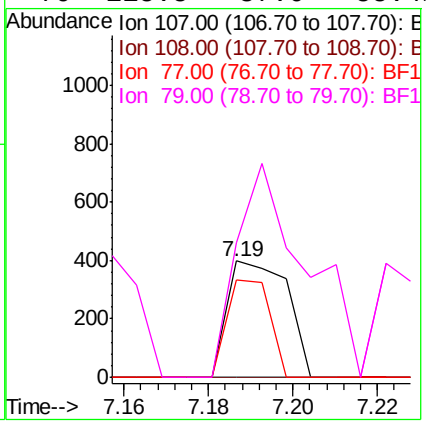


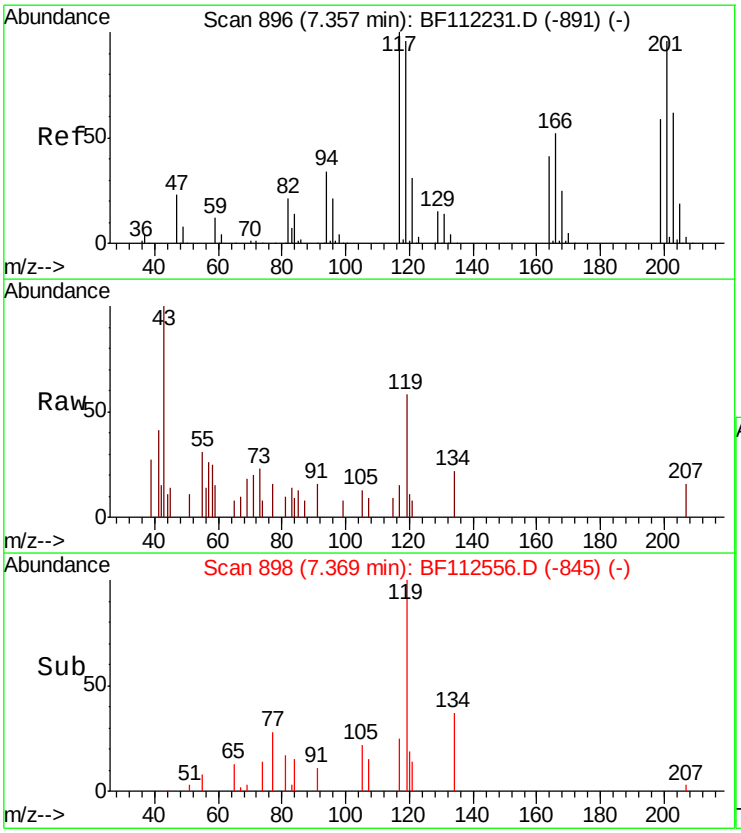
#17
2-Methylphenol
Concen: 0.080 ng
RT: 7.19 min Scan# 867
Delta R.T. 0.08 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Instrument :
BNA_F
ClientSampleId :
HP-640

Tgt Ion:107 Resp: 392

Ion	Ratio	Lower	Upper
107	100		
108	0.0	91.3	136.9#
77	84.0	39.0	58.6#
79	115.5	37.0	55.4#

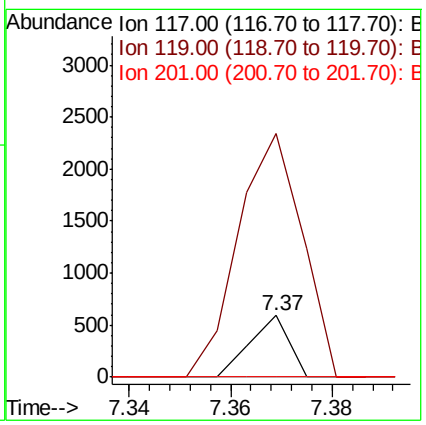


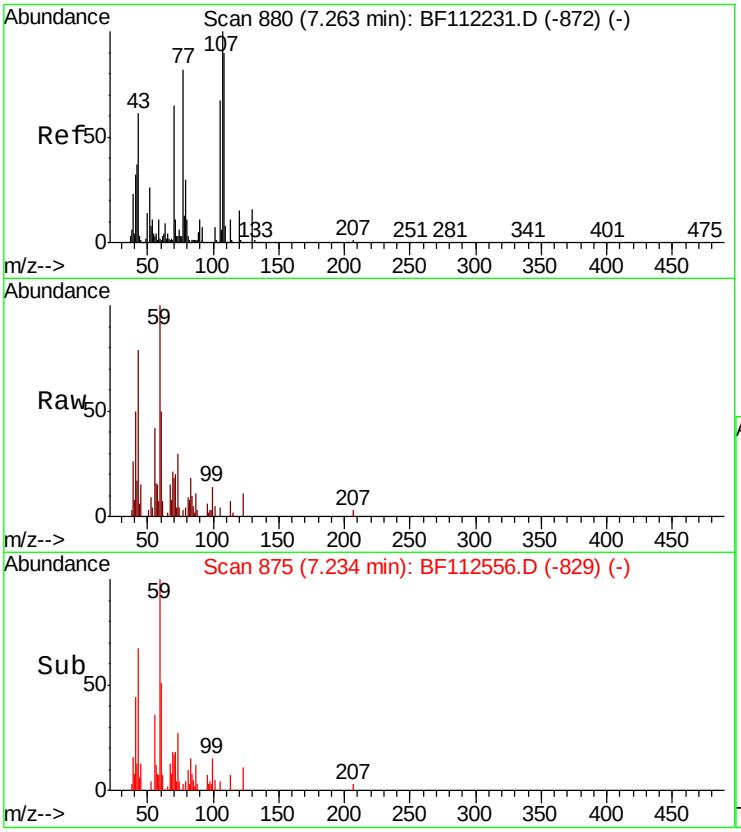


#18
Hexachloroethane
Concen: 0.121 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.01 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Tgt Ion:117 Resp: 315

Ion	Ratio	Lower	Upper
117	100		
119	397.5	77.0	115.4#
201	0.0	74.1	111.1#



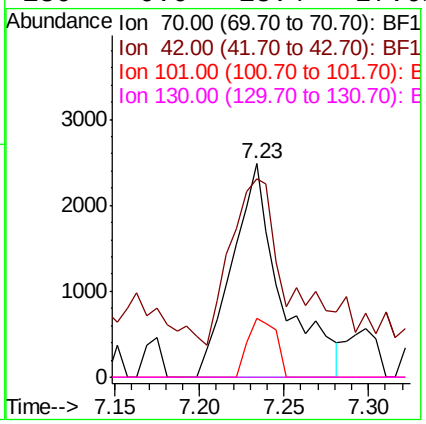


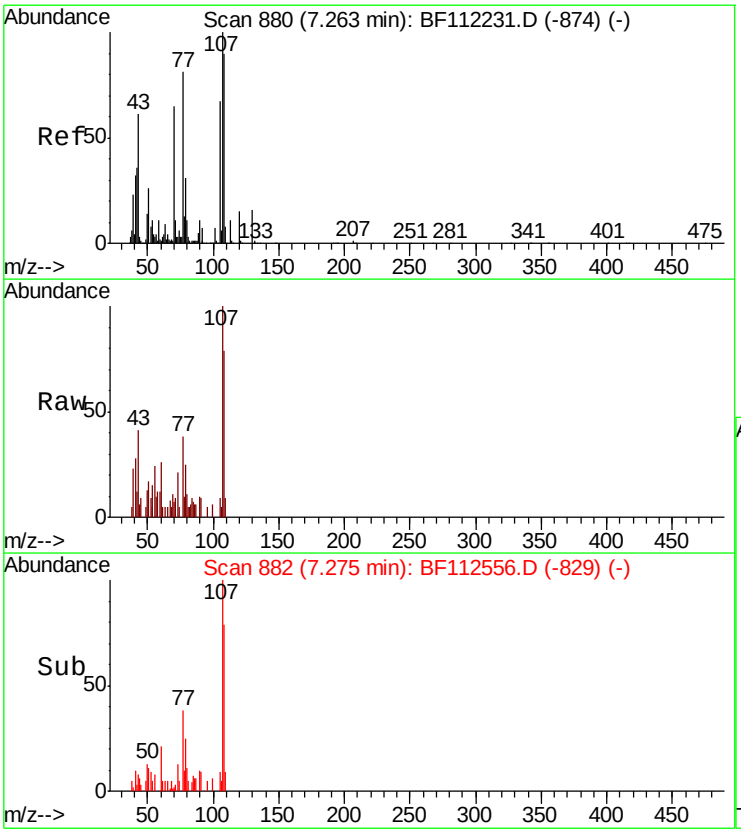
#19
n-Nitroso-di-n-propylamine
Concen: 1.143 ng
RT: 7.23 min Scan# 875
Delta R.T. -0.03 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Instrument :
BNA_F
ClientSampleId :
HP-640

Tgt Ion: 70 Resp: 5031

Ion	Ratio	Lower	Upper
70	100		
42	93.0	47.6	71.4#
101	27.7	7.9	11.9#
130	0.0	18.4	27.6#

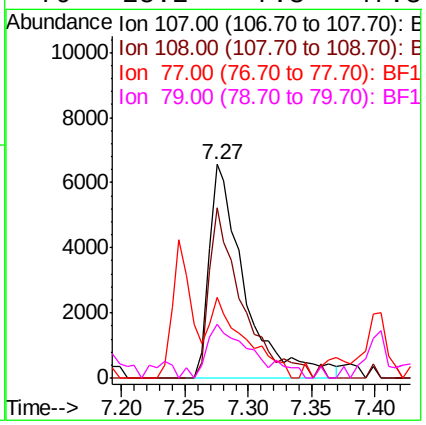


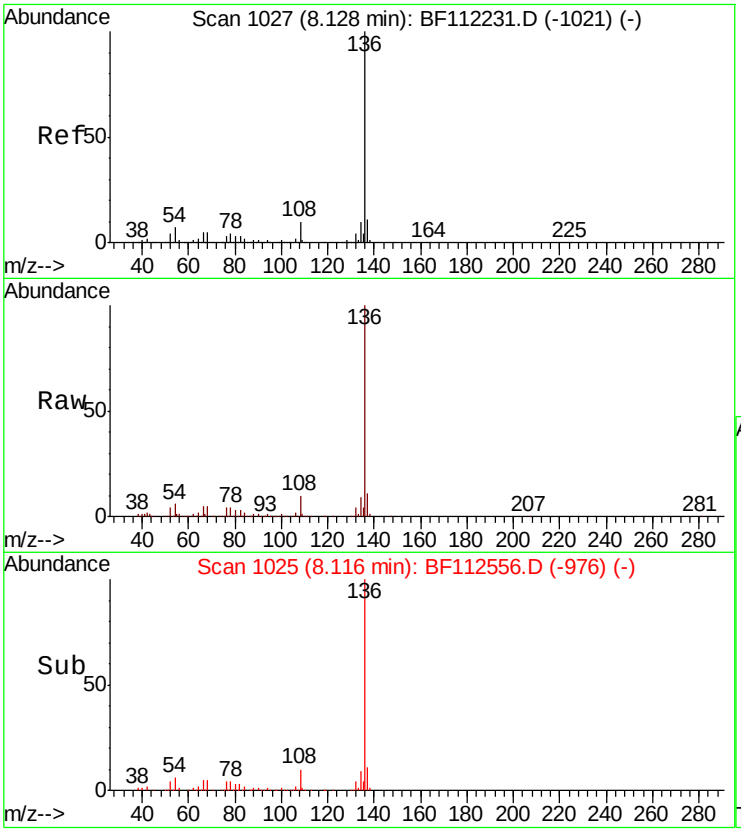


#20
3+4-Methylphenols
Concen: 2.053 ng
RT: 7.27 min Scan# 882
Delta R.T. 0.01 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Tgt Ion:107 Resp: 12868

Ion	Ratio	Lower	Upper
107	100		
108	79.4	68.2	108.2
77	38.0	100.7	140.7#
79	25.2	7.3	47.3



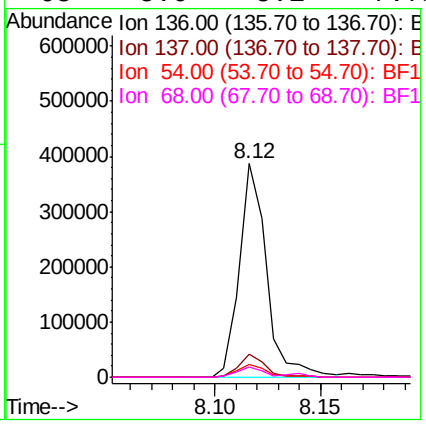


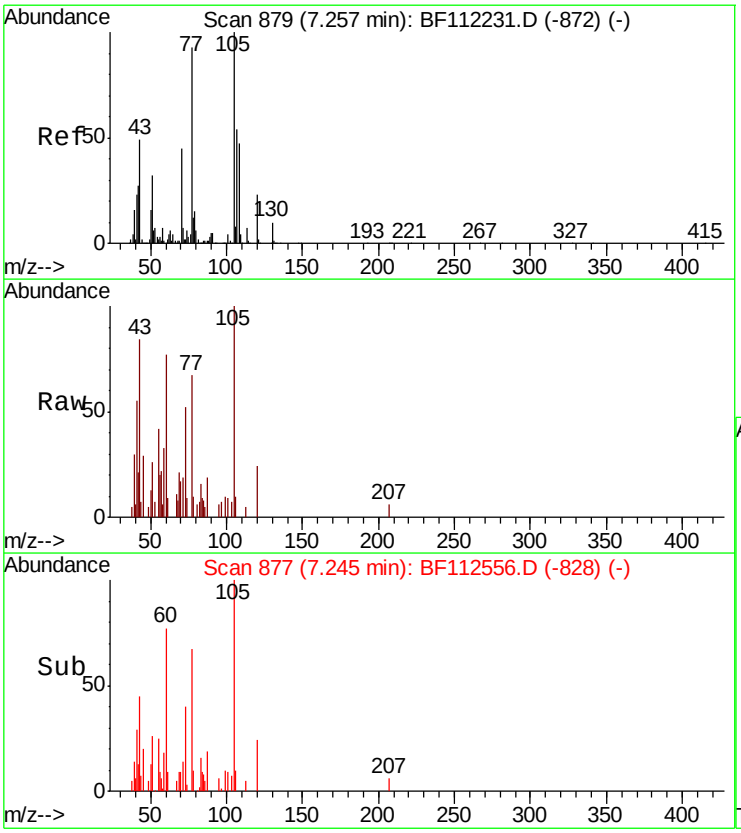
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Instrument :
BNA_F
ClientSampleId :
HP-640

Tgt Ion:136 Resp: 344802

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	6.3	5.9	8.9
68	5.0	5.1	7.7#

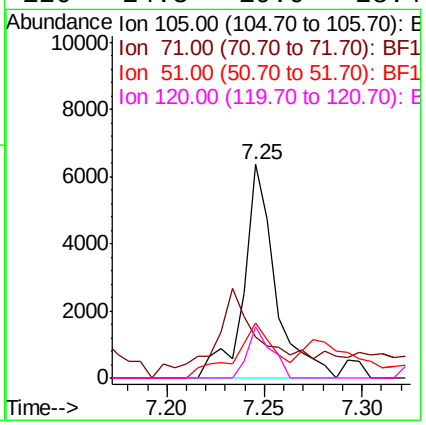


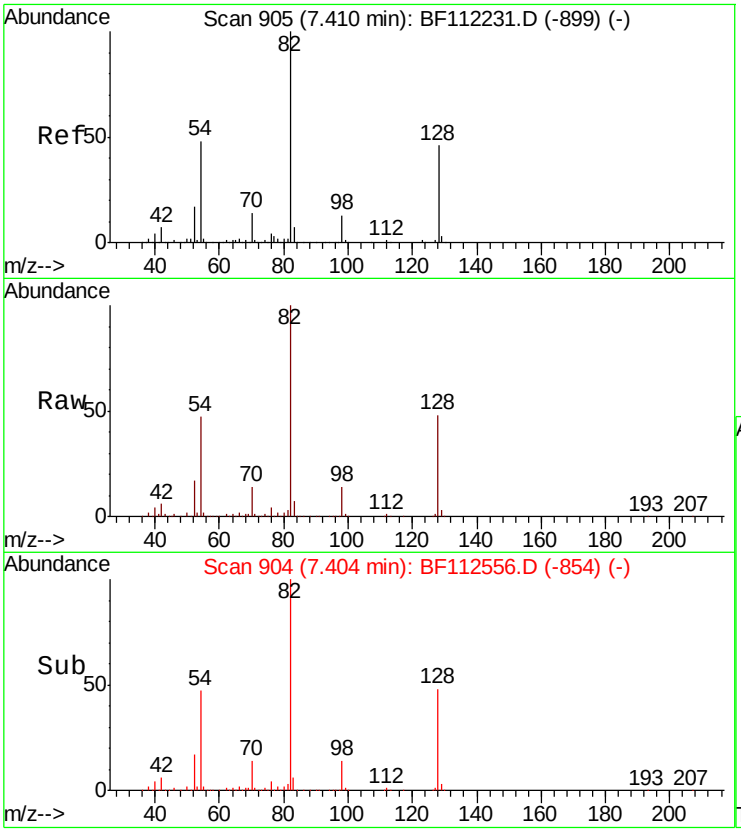


#22
Acetophenone
Concen: 0.850 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Tgt Ion:105 Resp: 7140

Ion	Ratio	Lower	Upper
105	100		
71	19.4	4.6	6.8#
51	25.9	25.0	37.6
120	24.3	19.0	28.4



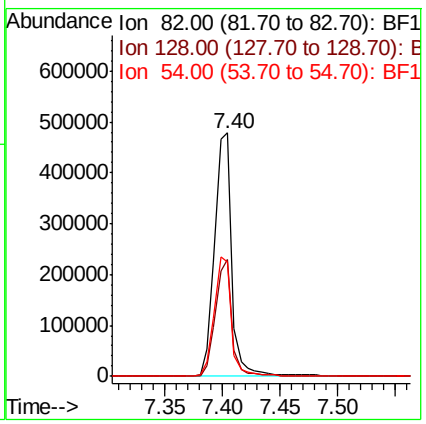


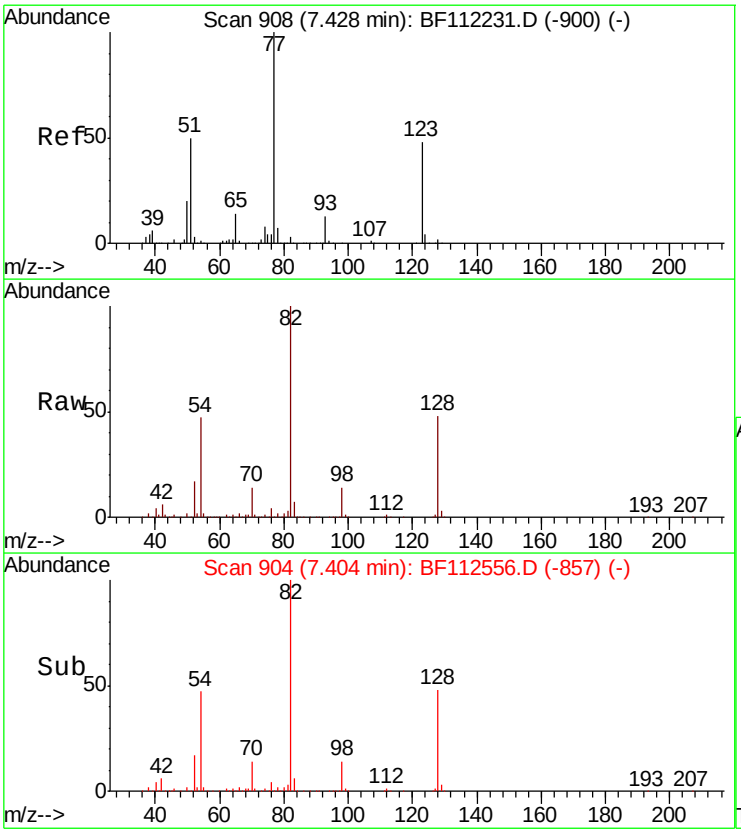
#23
Nitrobenzene-d5
Concen: 83.422 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Instrument :
BNA_F
ClientSampleId :
HP-640

Tgt Ion: 82 Resp: 499203

Ion	Ratio	Lower	Upper
82	100		
128	48.2	37.8	56.8
54	46.7	39.7	59.5

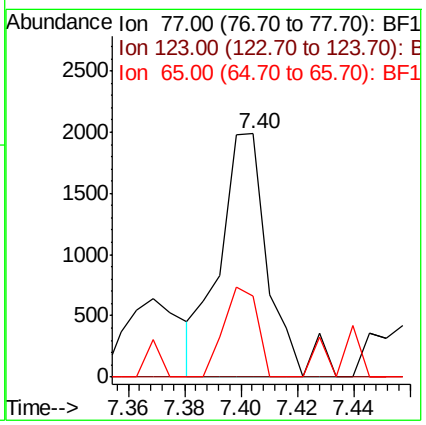


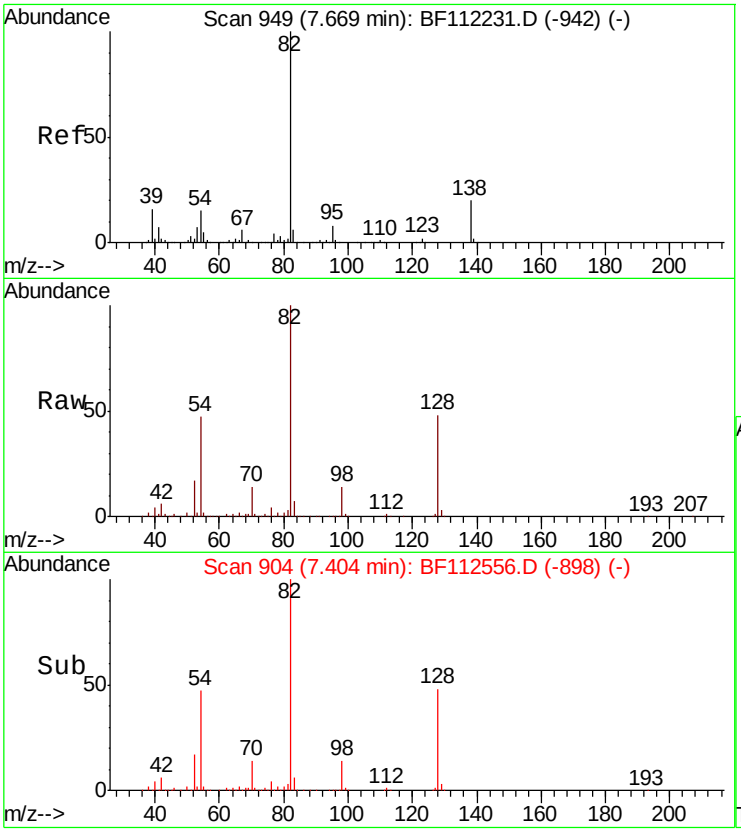


#24
Nitrobenzene
Concen: 0.404 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.02 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Tgt Ion: 77 Resp: 2417

Ion	Ratio	Lower	Upper
77	100		
123	0.0	38.4	57.6#
65	33.1	10.6	15.8#



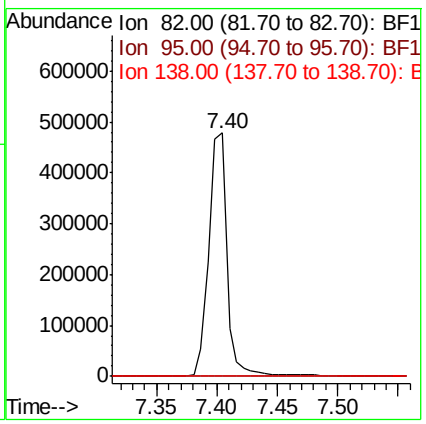


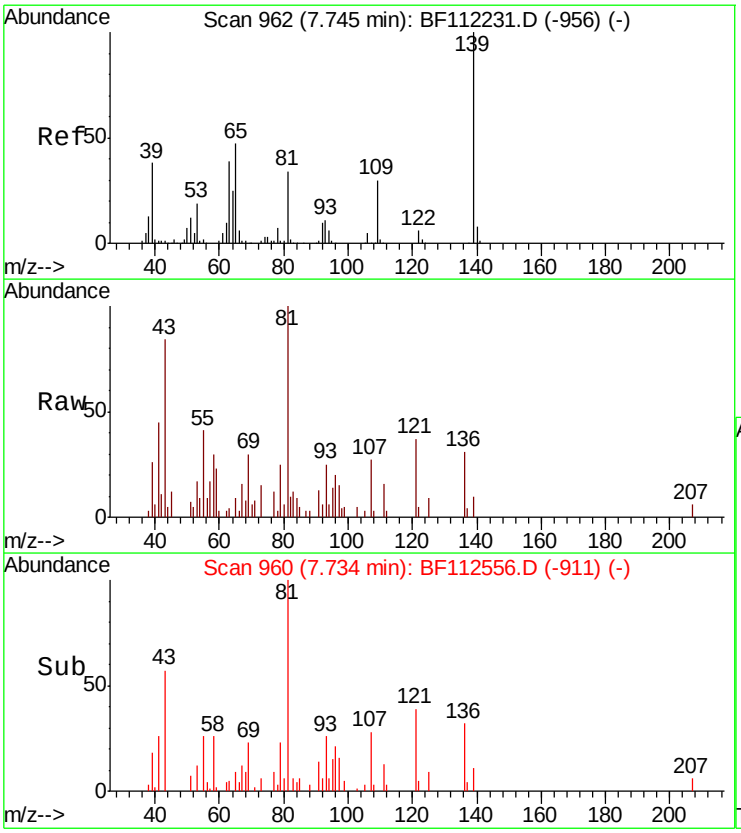
#25
Isophorone
Concen: 53.175 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.26 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Instrument :
BNA_F
ClientSampleId :
HP-640

Tgt Ion: 82 Resp: 499197

Ion	Ratio	Lower	Upper
82	100		
95	0.1	5.7	8.5#
138	0.0	15.4	23.0#

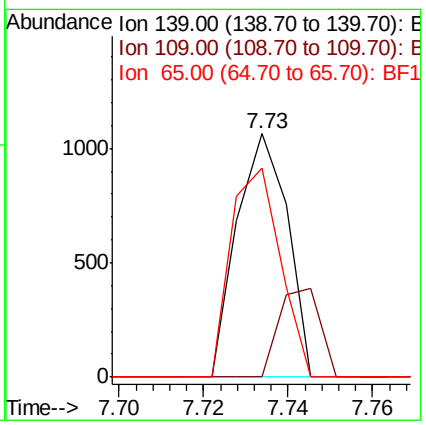


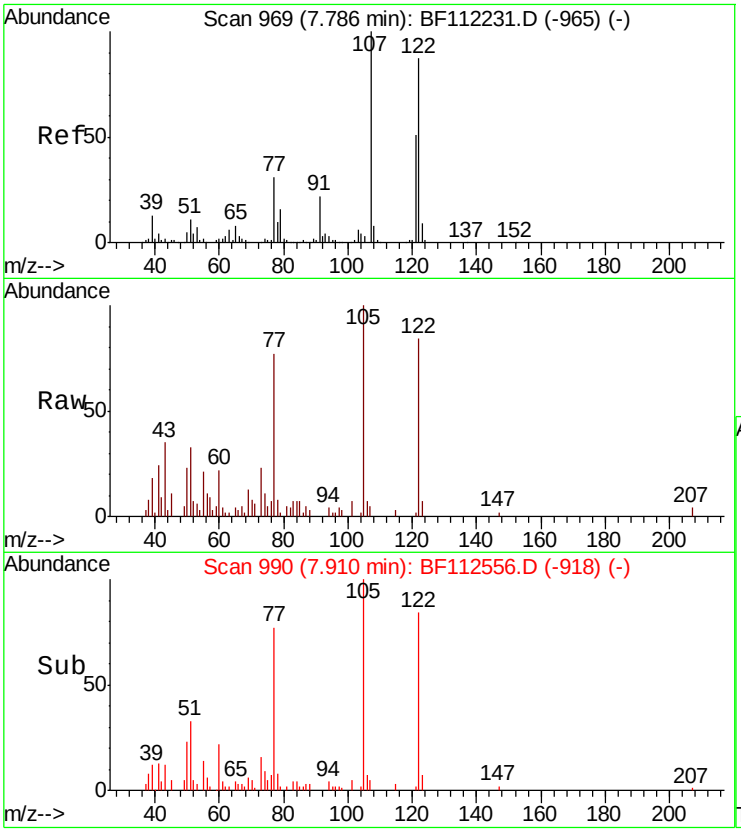


#26
2-Nitrophenol
Concen: 0.277 ng
RT: 7.73 min Scan# 960
Delta R.T. -0.01 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Tgt Ion:139 Resp: 885

Ion	Ratio	Lower	Upper
139	100		
109	0.0	20.8	31.2#
65	85.8	34.4	51.6#



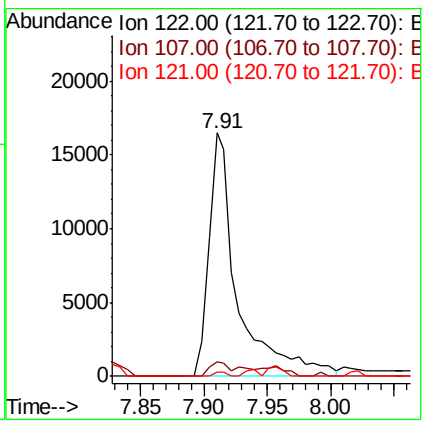


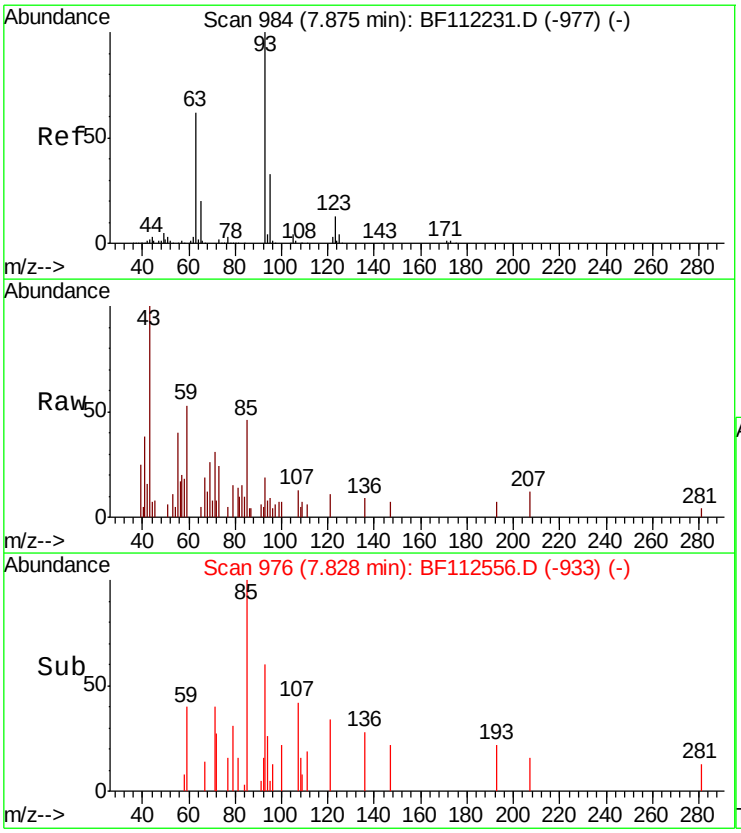
#27
2,4-Dimethylphenol
Concen: 5.944 ng
RT: 7.91 min Scan# 990
Delta R.T. 0.12 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Instrument :
BNA_F
ClientSampleId :
HP-640

Tgt Ion:122 Resp: 26155

Ion	Ratio	Lower	Upper
122	100		
107	5.8	85.4	128.0#
121	1.9	47.0	70.4#

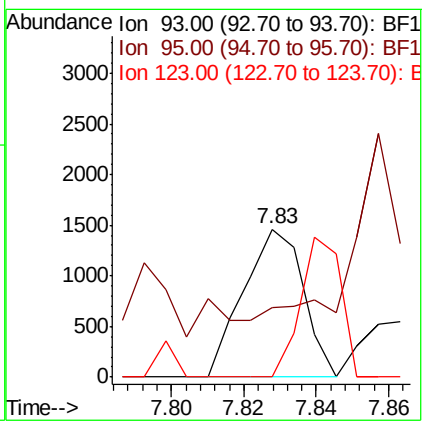


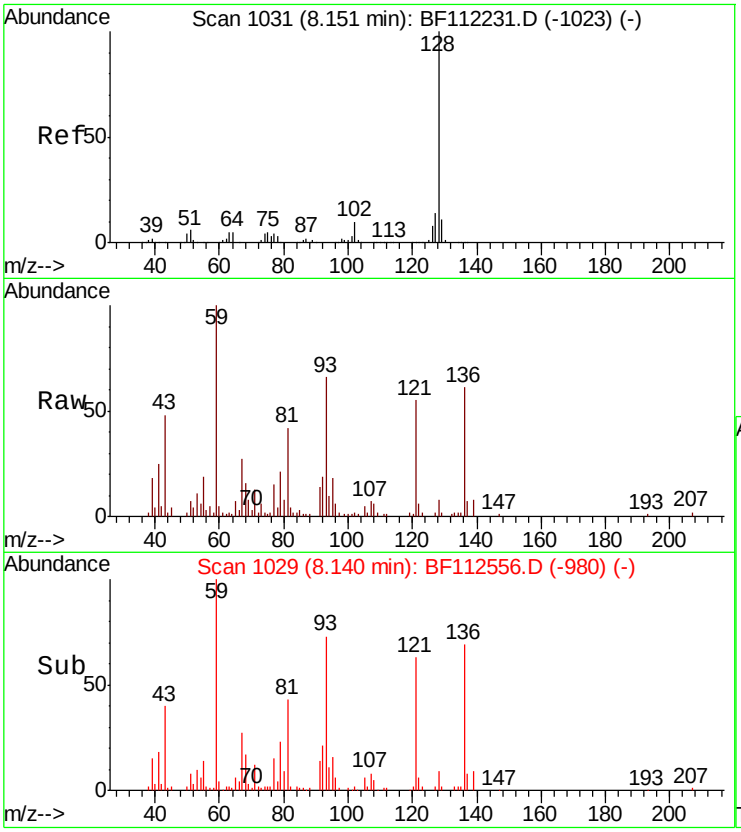


#28
bis(2-Chloroethoxy)methane
Concen: 0.262 ng
RT: 7.83 min Scan# 976
Delta R.T. -0.05 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Tgt Ion: 93 Resp: 1672

Ion	Ratio	Lower	Upper
93	100		
95	46.6	26.8	40.2#
123	0.0	10.2	15.2#



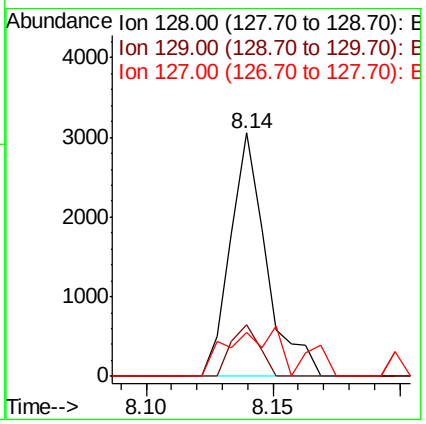


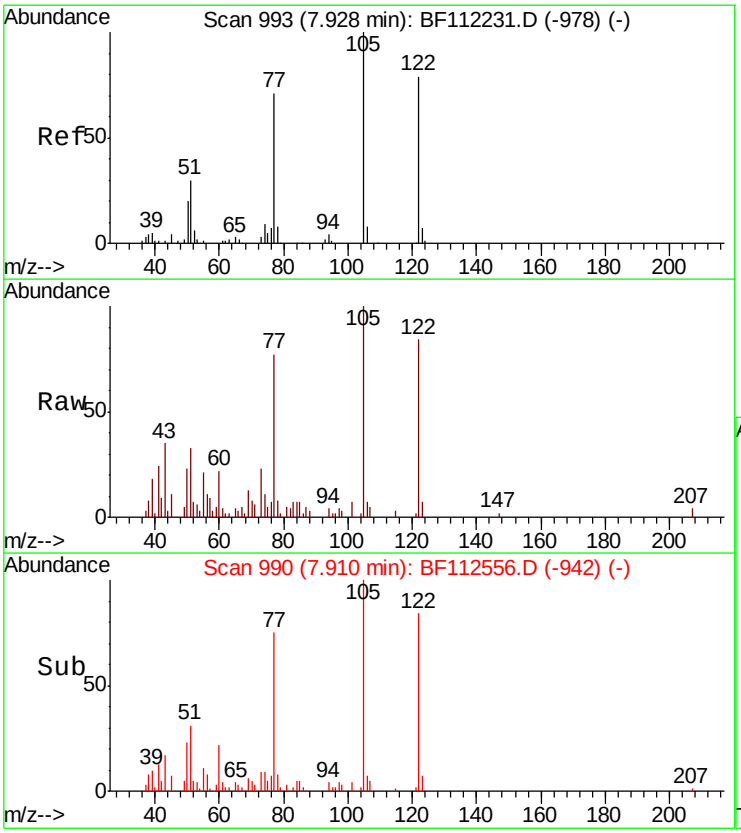
#31
Naphthalene
Concen: 0.188 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Instrument :
BNA_F
ClientSampleId :
HP-640

Tgt Ion:128 Resp: 3037

Ion	Ratio	Lower	Upper
128	100		
129	21.1	9.6	14.4#
127	18.2	11.1	16.7#

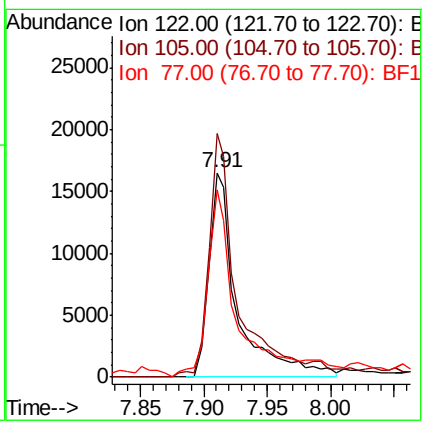


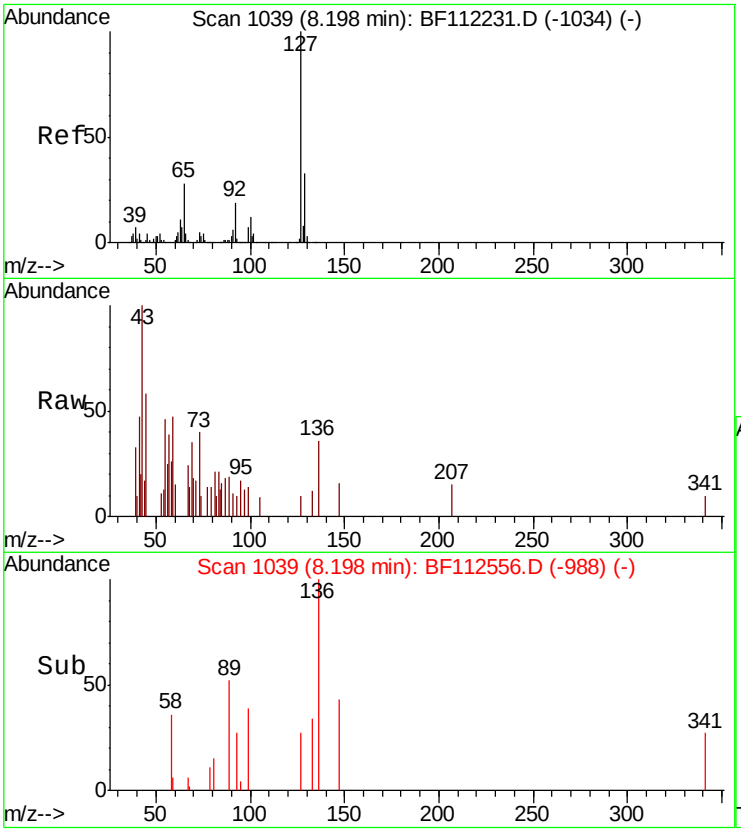


#32
Benzoic acid
Concen: 10.420 ng
RT: 7.91 min Scan# 990
Delta R.T. -0.02 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Tgt Ion:122 Resp: 26155

Ion	Ratio	Lower	Upper
122	100		
105	119.2	101.2	141.2
77	91.6	70.4	110.4



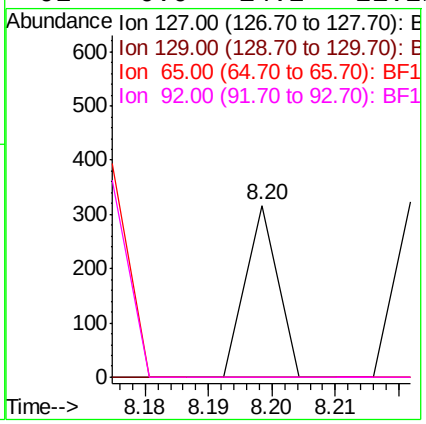


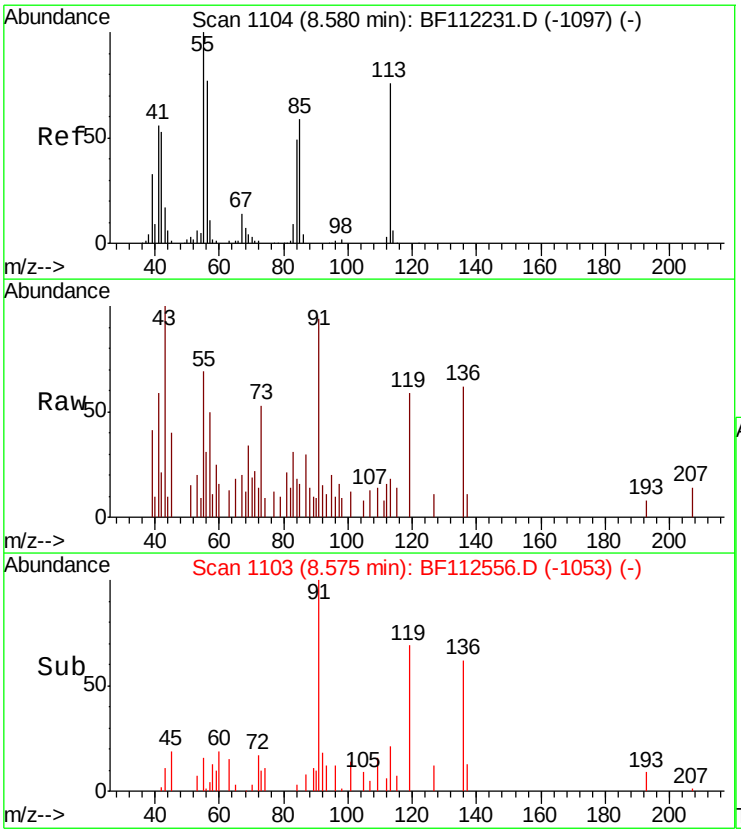
#33
4-Chloroaniline
Concen: 0.016 ng
RT: 8.20 min Scan# 1039
Delta R.T. 0.00 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Instrument :
BNA_F
ClientSampleId :
HP-640

Tgt Ion:127 Resp: 112

Ion	Ratio	Lower	Upper
127	100		
129	0.0	26.6	39.8#
65	0.0	21.4	32.2#
92	0.0	14.2	21.2#

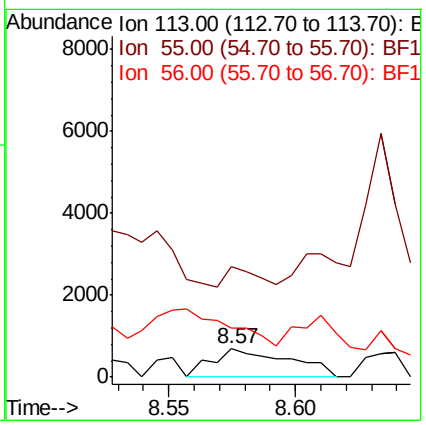


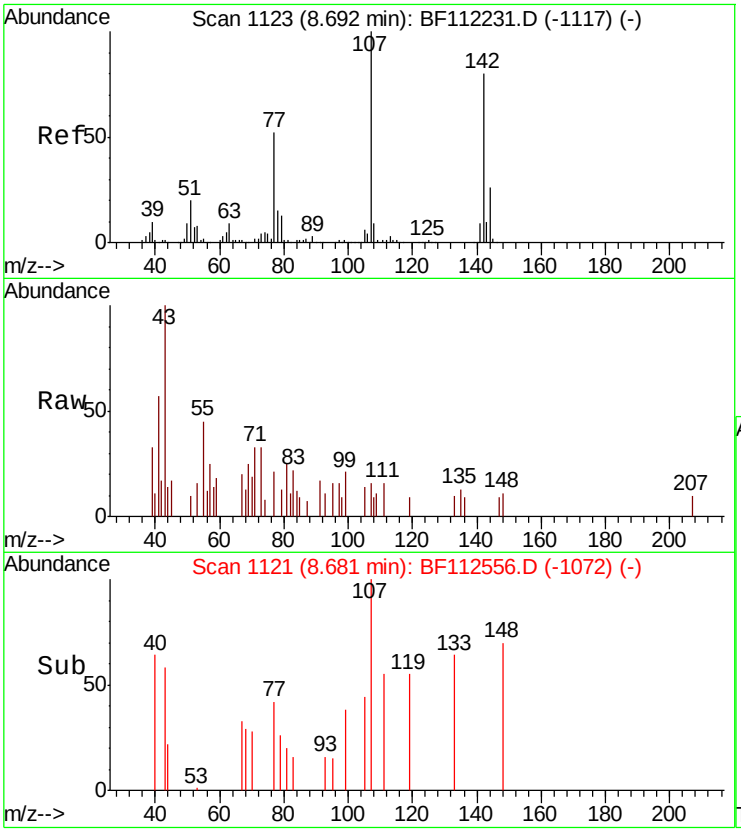


#35
Caprolactam
Concen: 0.838 ng
RT: 8.57 min Scan# 1103
Delta R.T. -0.01 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Tgt Ion:113 Resp: 1456

Ion	Ratio	Lower	Upper
113	100		
55	390.9	121.6	161.6#
56	173.9	86.7	126.7#



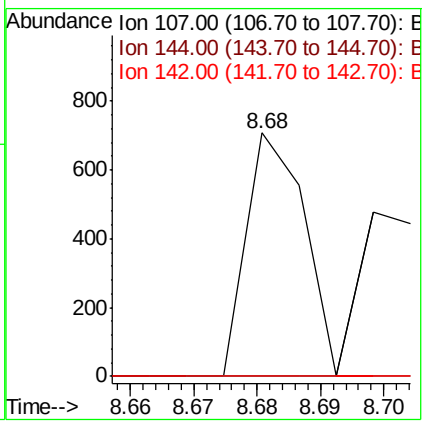


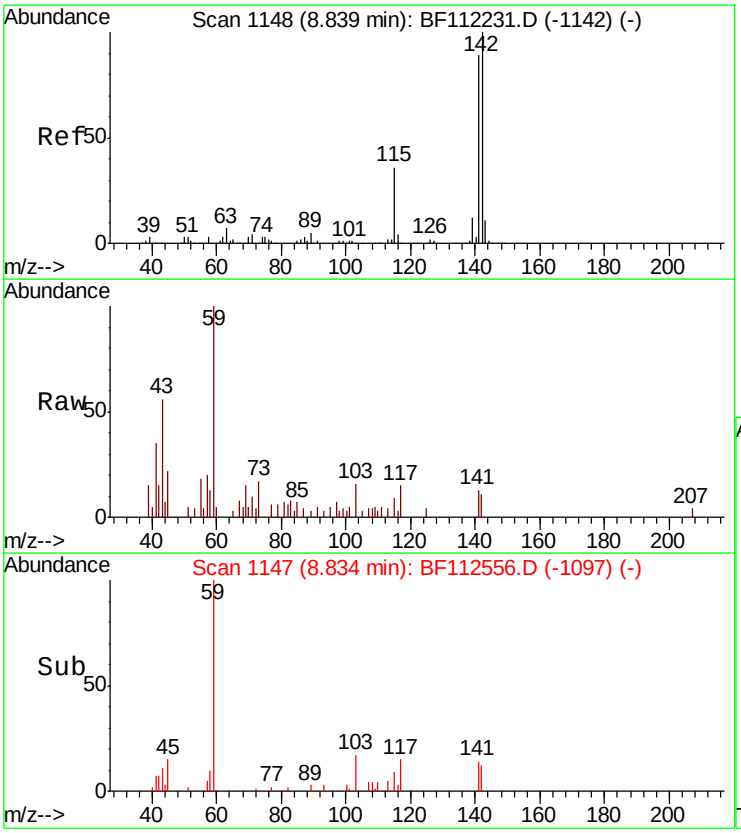
#36
4-Chloro-3-methylphenol
Concen: 0.086 ng
RT: 8.68 min Scan# 1121
Delta R.T. -0.01 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Instrument :
BNA_F
ClientSampleId :
HP-640

Tgt Ion:107 Resp: 446

Ion	Ratio	Lower	Upper
107	100		
144	0.0	22.2	33.2#
142	0.0	67.7	101.5#

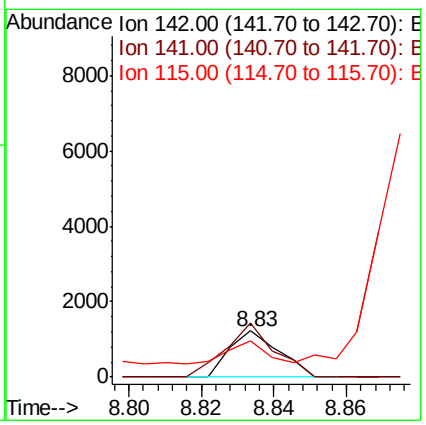


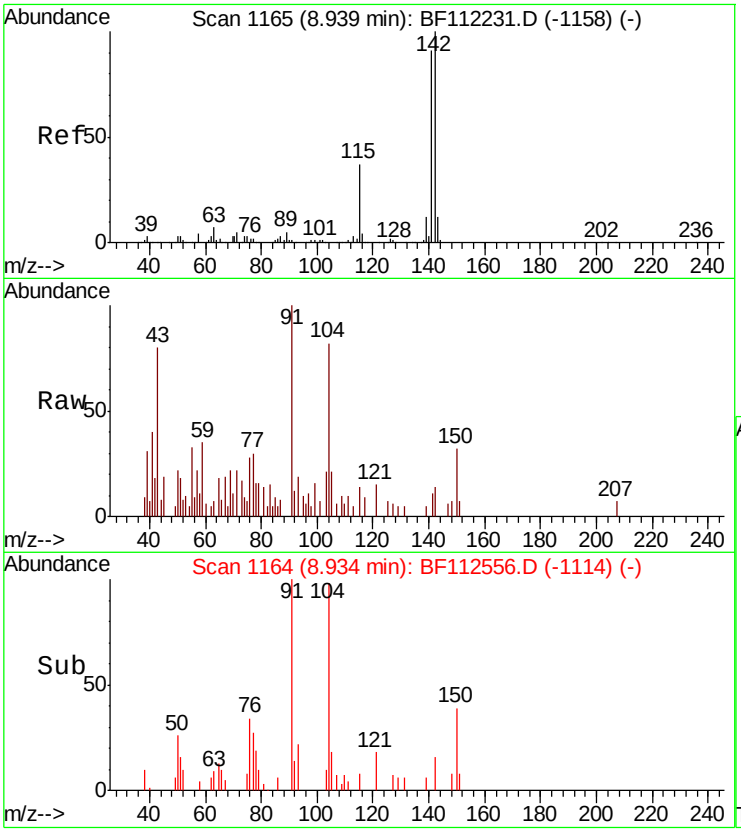


#37
2-Methylnaphthalene
Concen: 0.104 ng
RT: 8.83 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Tgt Ion:142 Resp: 1144

Ion	Ratio	Lower	Upper
142	100		
141	118.4	70.9	106.3#
115	80.0	24.9	37.3#



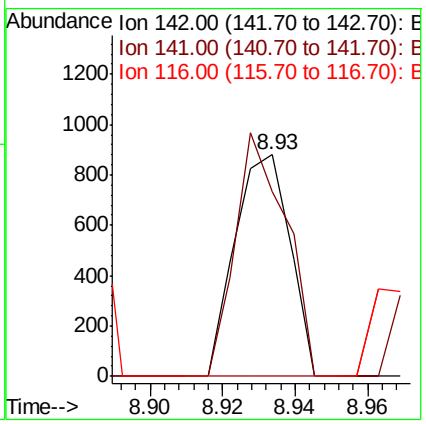


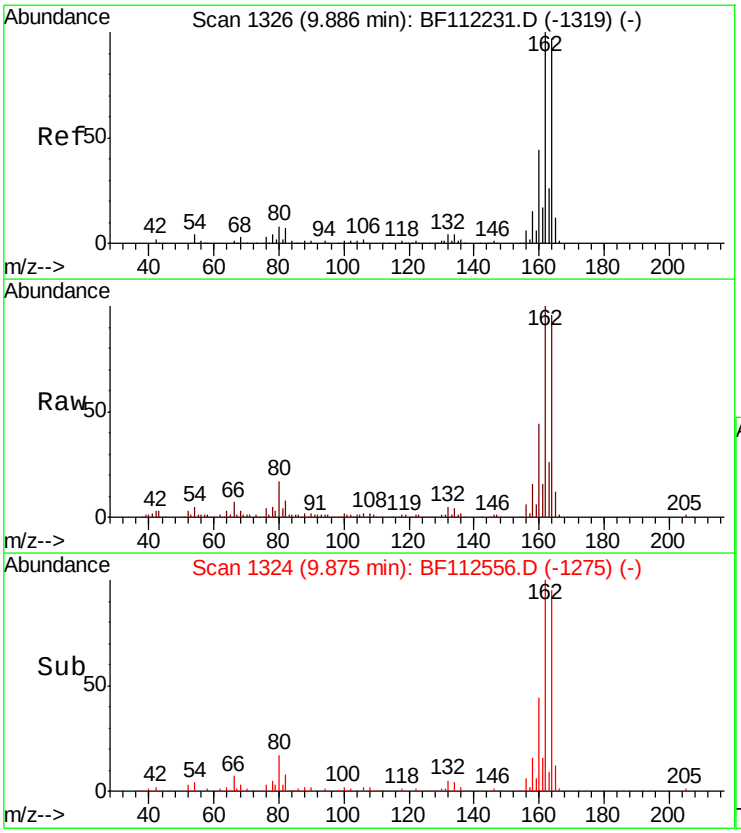
#38
1-Methylnaphthalene
Concen: 0.087 ng
RT: 8.93 min Scan# 1164
Delta R.T. -0.01 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Instrument :
BNA_F
ClientSampleId :
HP-640

Tgt Ion:142 Resp: 925

Ion	Ratio	Lower	Upper
142	100		
141	83.6	72.6	108.8
116	0.0	2.8	4.2#

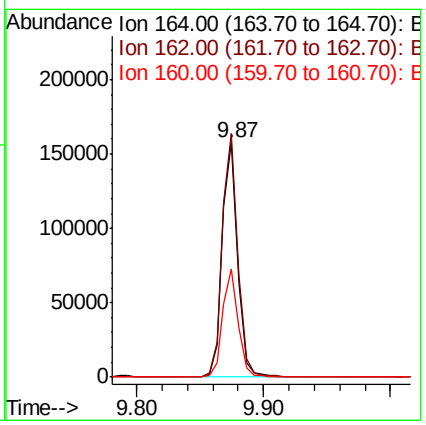


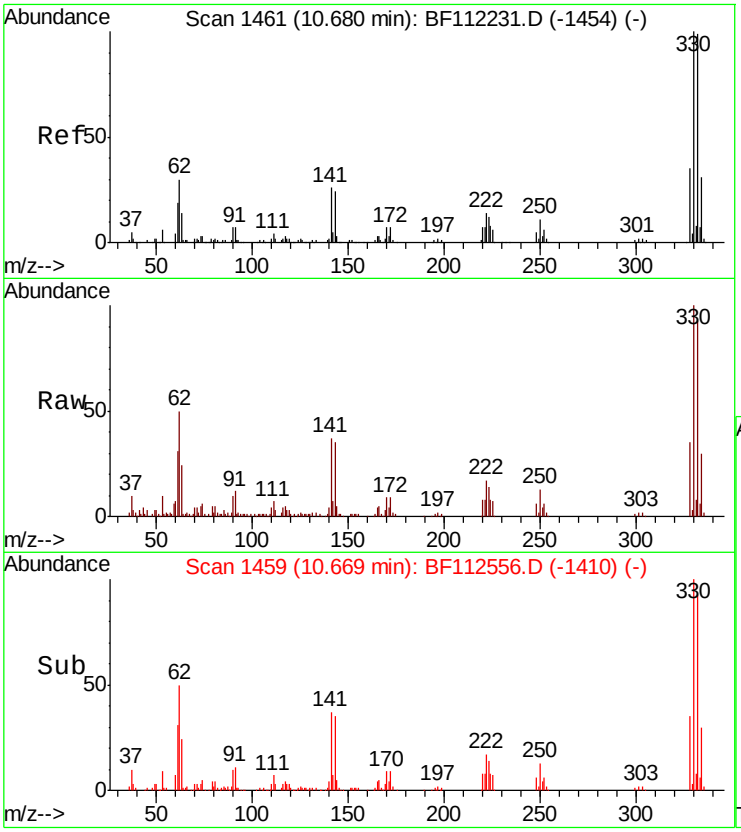


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Tgt Ion:164 Resp: 133223

Ion	Ratio	Lower	Upper
164	100		
162	103.9	82.2	123.4
160	45.9	36.2	54.4



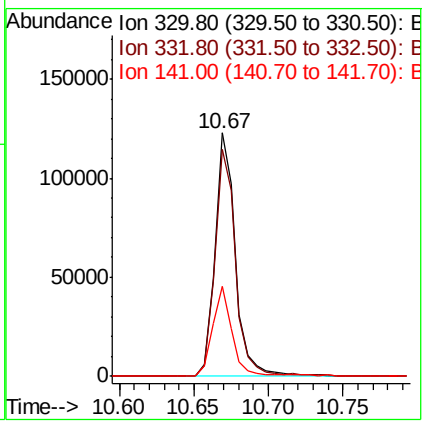


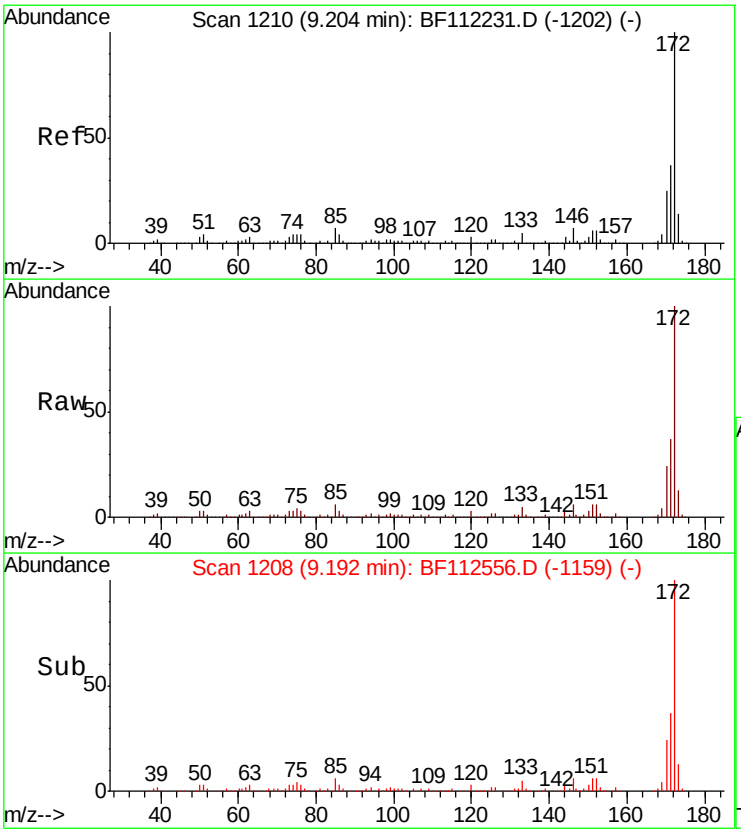
#42
2,4,6-Tribromophenol
Concen: 75.840 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.01 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Instrument :
BNA_F
ClientSampleId :
HP-640

Tgt Ion:330 Resp: 117604

Ion	Ratio	Lower	Upper
330	100		
332	94.8	76.6	114.8
141	36.1	24.3	36.5

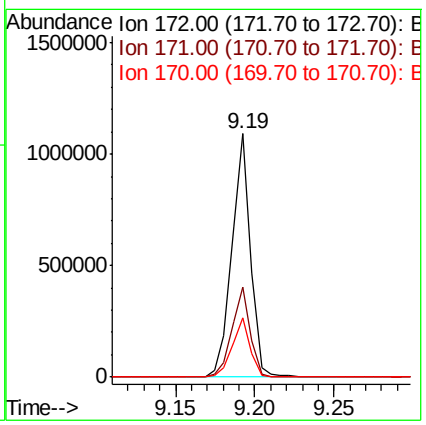


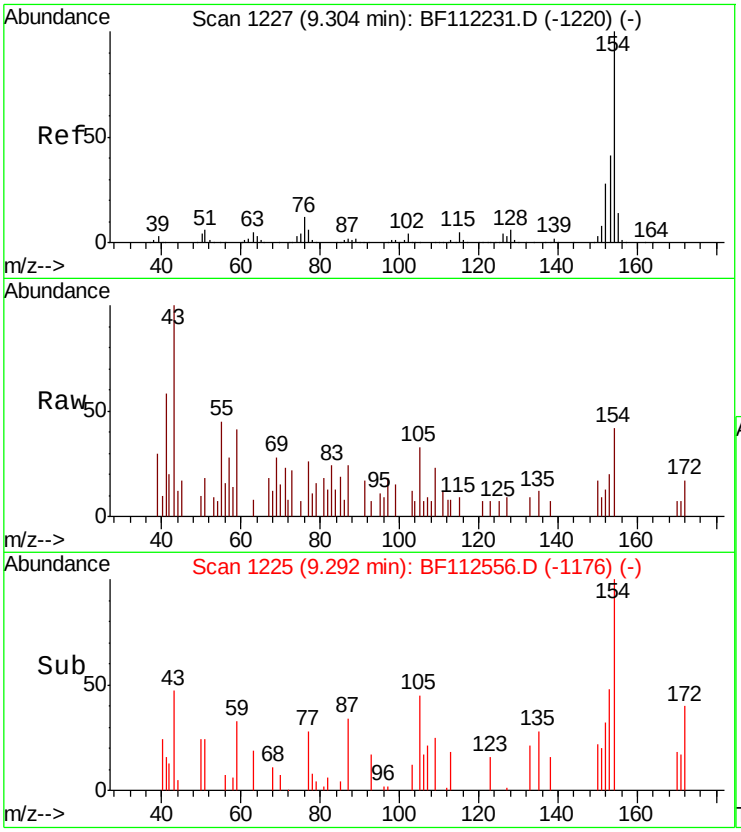


#45
2-Fluorobiphenyl
Concen: 94.955 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.01 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Tgt Ion:172 Resp: 894423

Ion	Ratio	Lower	Upper
172	100		
171	36.9	30.5	45.7
170	24.1	20.2	30.4



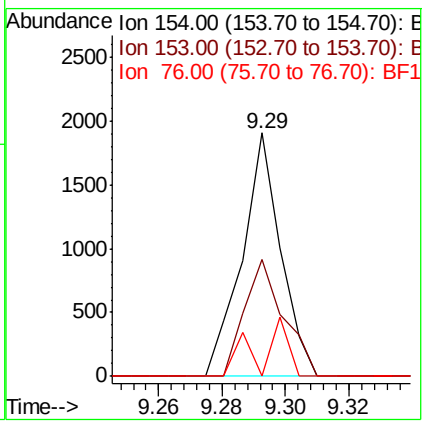


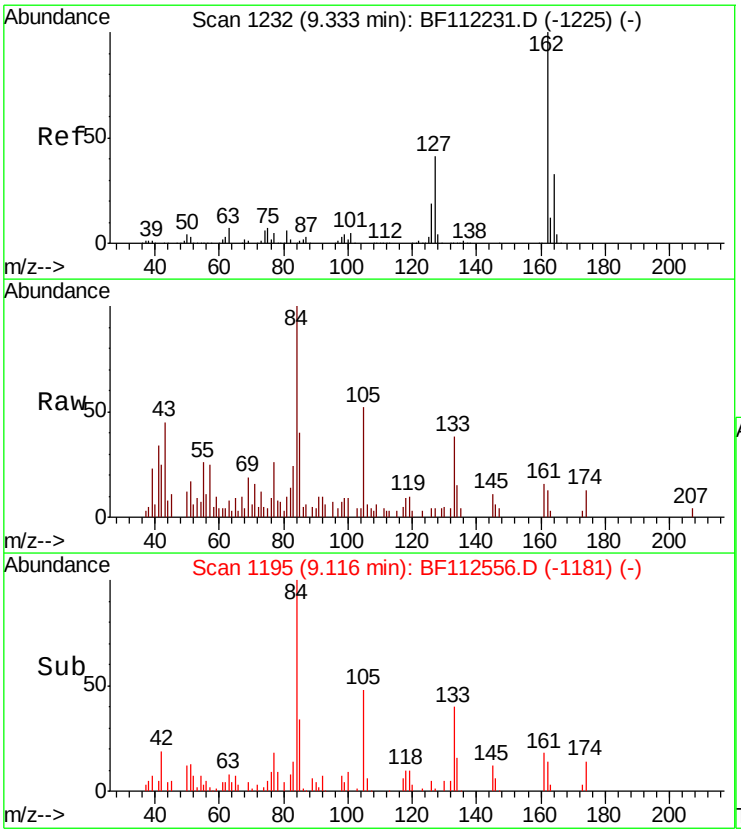
#46
1,1'-Biphenyl
Concen: 0.138 ng
RT: 9.29 min Scan# 1225
Delta R.T. -0.01 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Instrument :
BNA_F
ClientSampleId :
HP-640

Tgt Ion:154 Resp: 1611

Ion	Ratio	Lower	Upper
154	100		
153	48.3	21.5	61.5
76	0.0	0.0	33.1

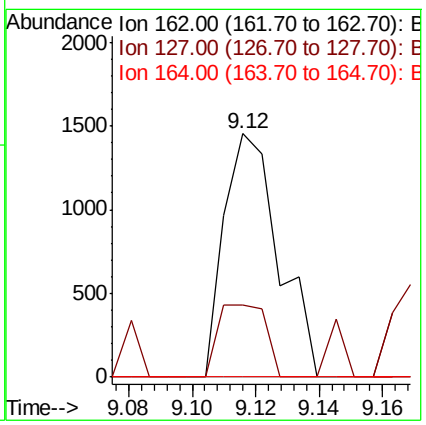


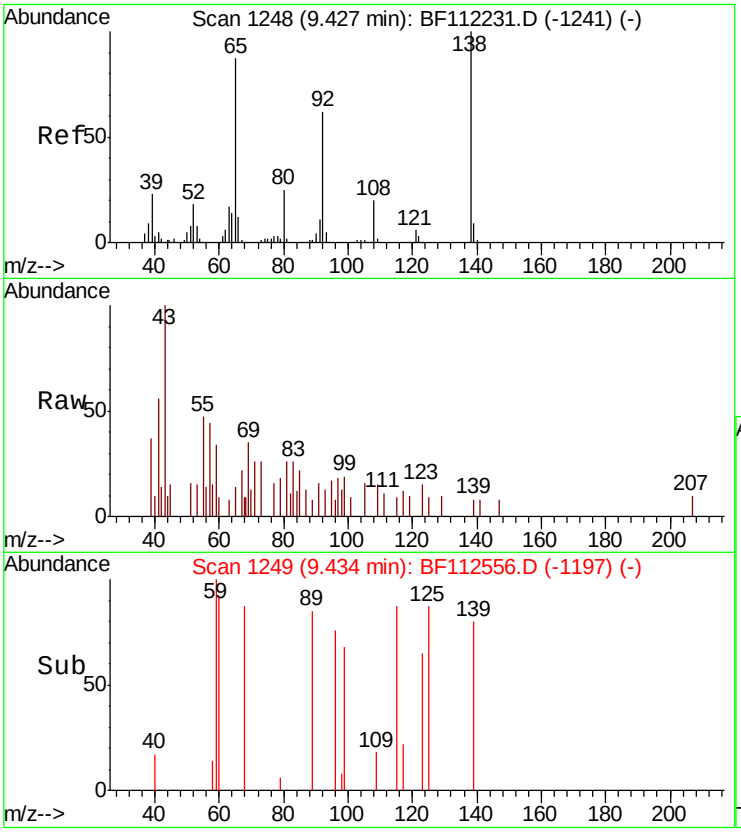


#47
2-Chloronaphthalene
Concen: 0.191 ng
RT: 9.12 min Scan# 1195
Delta R.T. -0.22 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Tgt Ion:162 Resp: 1729

Ion	Ratio	Lower	Upper
162	100		
127	29.7	30.4	45.6#
164	0.0	27.4	41.2#



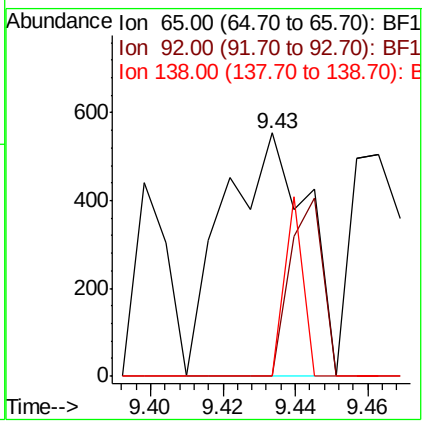


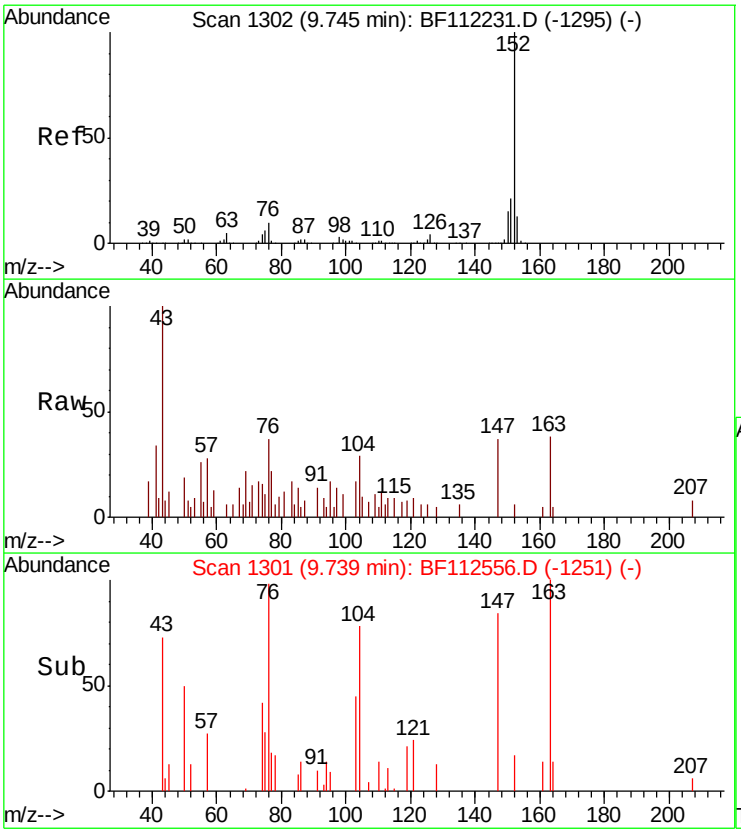
#48
2-Nitroaniline
Concen: 0.359 ng
RT: 9.43 min Scan# 1249
Delta R.T. 0.01 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Instrument :
BNA_F
ClientSampleId :
HP-640

Tgt Ion: 65 Resp: 884

Ion	Ratio	Lower	Upper
65	100		
92	0.0	60.4	90.6#
138	0.0	104.4	156.6#

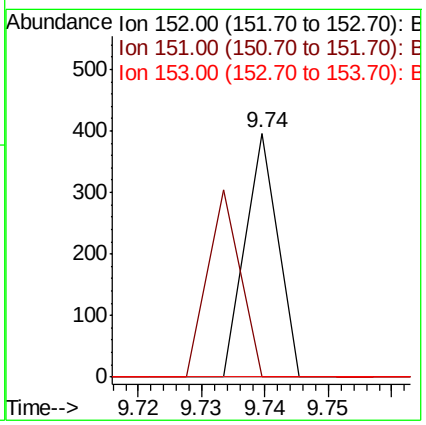


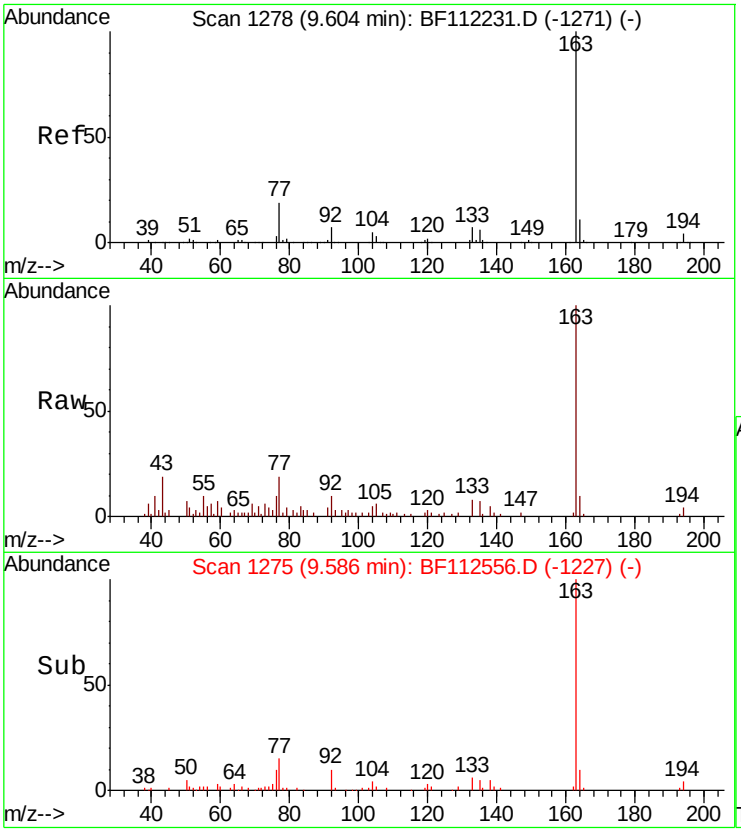


#49
Acenaphthylene
Concen: 0.011 ng
RT: 9.74 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Tgt Ion:152 Resp: 140

Ion	Ratio	Lower	Upper
152	100		
151	0.0	17.0	25.6#
153	0.0	11.2	16.8#



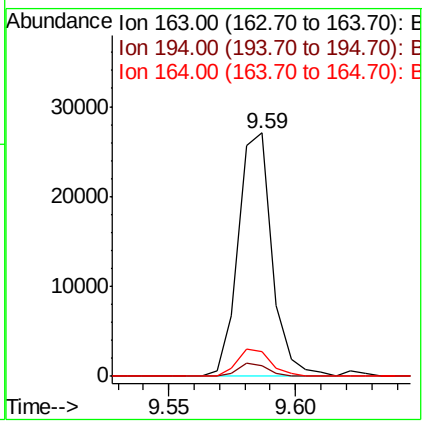


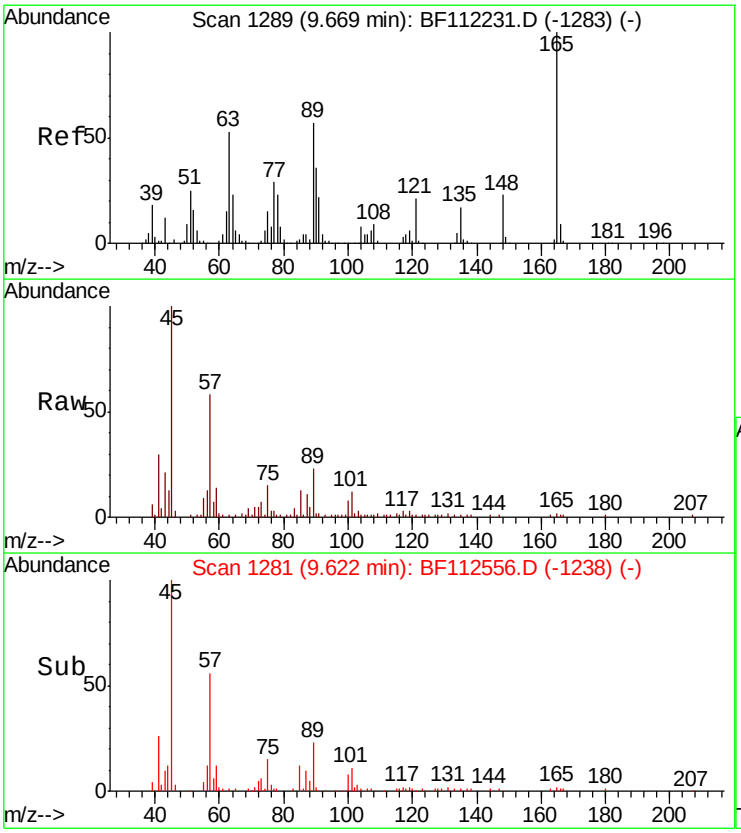
#50
Dimethylphthalate
Concen: 2.424 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Instrument :
BNA_F
ClientSampleId :
HP-640

Tgt Ion:163 Resp: 25089

Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.3	4.9
164	10.4	8.5	12.7

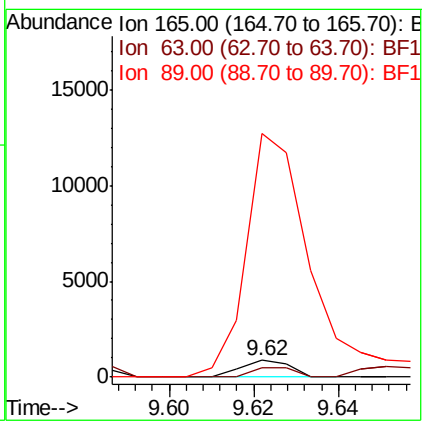


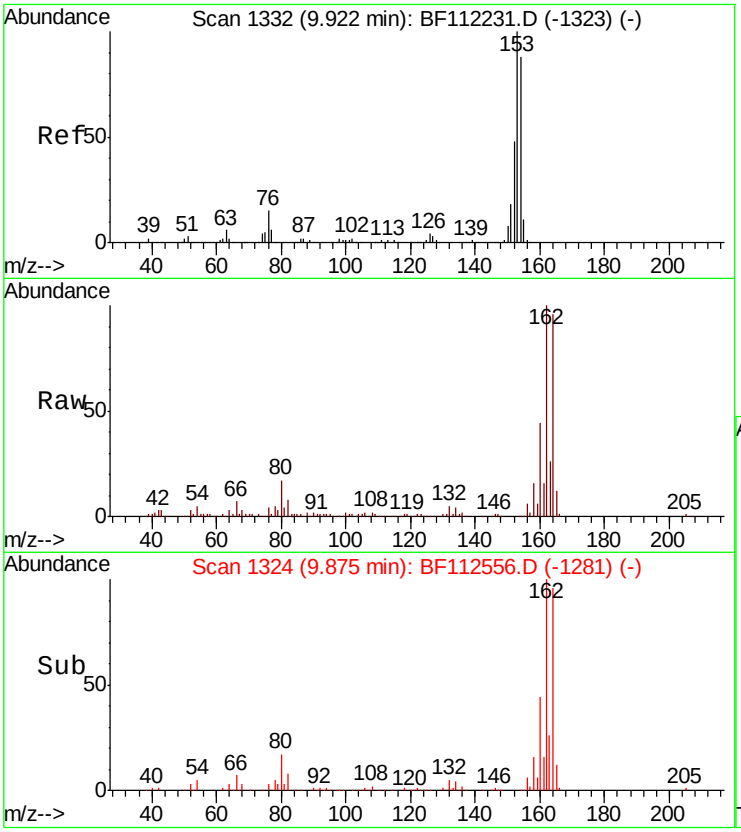


#51
2,6-Dinitrotoluene
Concen: 0.298 ng
RT: 9.62 min Scan# 1281
Delta R.T. -0.05 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Tgt Ion:165 Resp: 691

Ion	Ratio	Lower	Upper
165	100		
63	56.4	33.8	50.8#
89	1454.3	36.9	55.3#



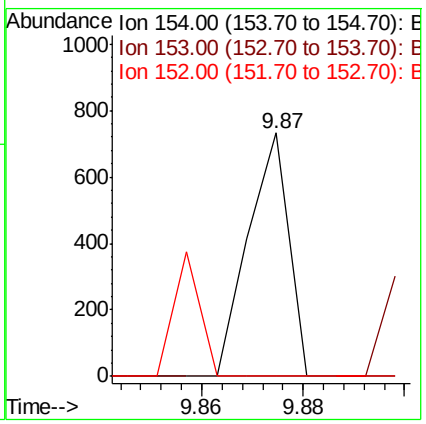


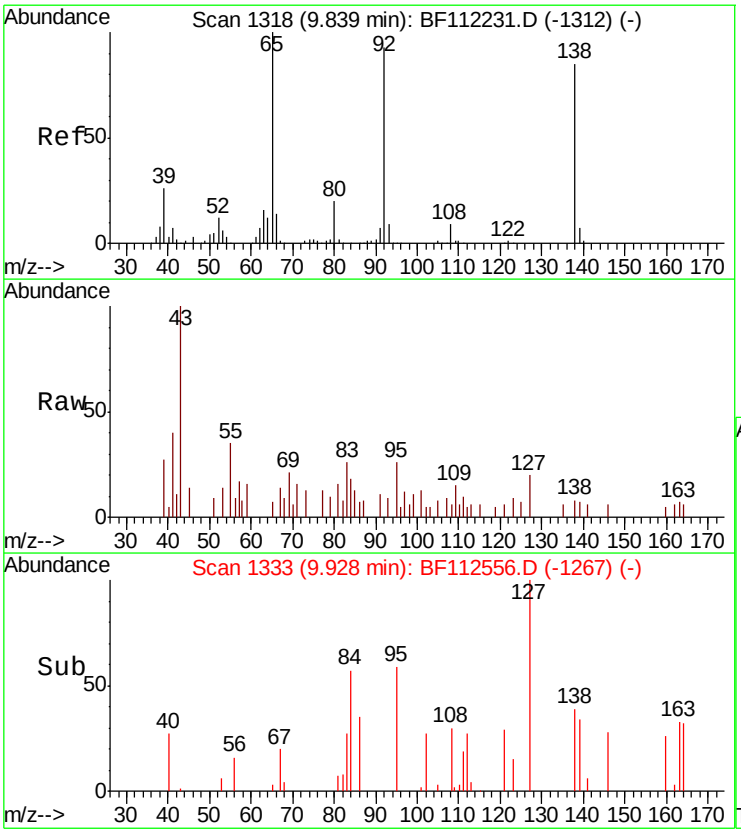
#52
Acenaphthene
Concen: 0.051 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.05 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Instrument :
BNA_F
ClientSampleId :
HP-640

Tgt Ion:154 Resp: 405

Ion	Ratio	Lower	Upper
154	100		
153	0.0	89.8	134.6#
152	0.0	43.5	65.3#

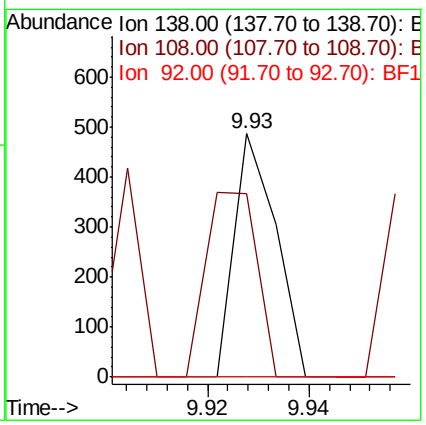


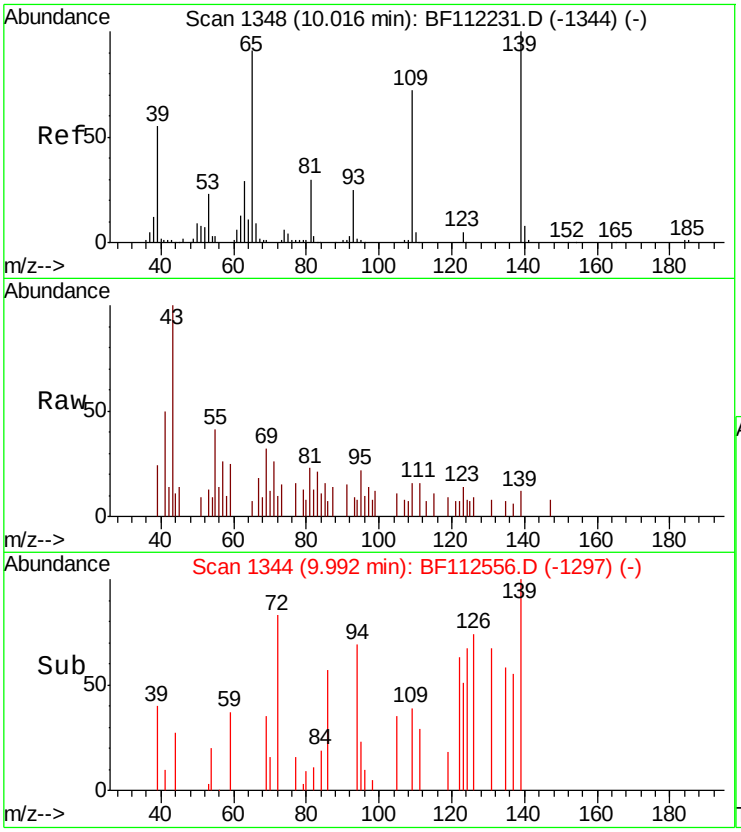


#53
3-Nitroaniline
Concen: 0.111 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.09 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Tgt Ion:138 Resp: 280

Ion	Ratio	Lower	Upper
138	100		
108	75.6	9.8	14.6#
92	0.0	79.4	119.2#



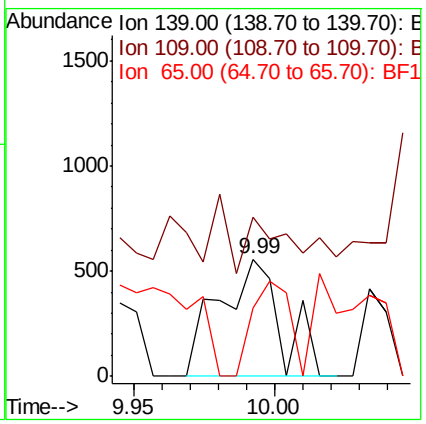


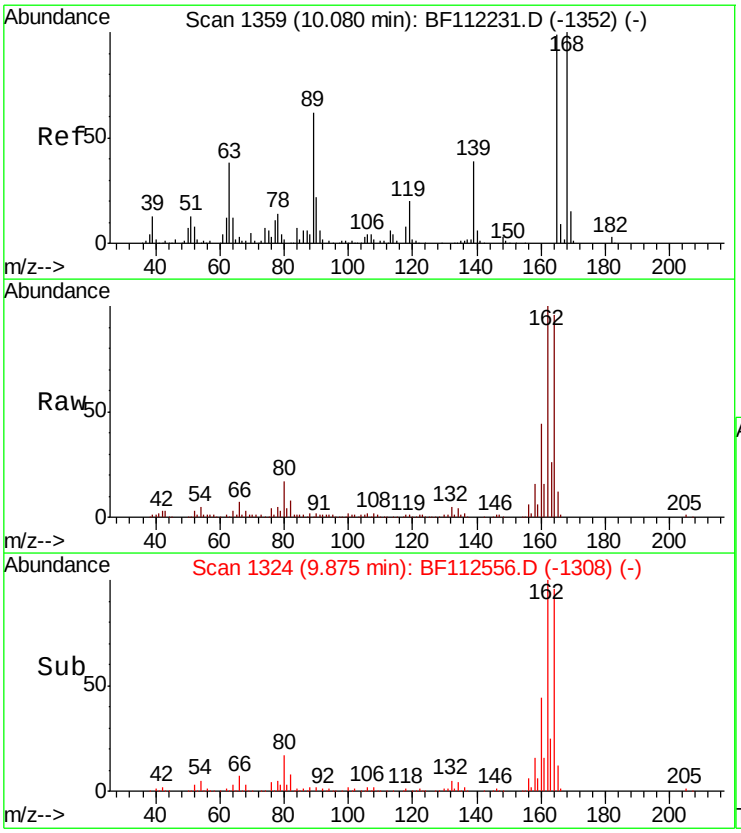
#56
4-Nitrophenol
Concen: 0.644 ng
RT: 9.99 min Scan# 1344
Delta R.T. -0.02 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Instrument :
BNA_F
ClientSampleId :
HP-640

Tgt Ion:139 Resp: 855

Ion	Ratio	Lower	Upper
139	100		
109	136.2	42.8	82.8#
65	57.9	66.1	106.1#

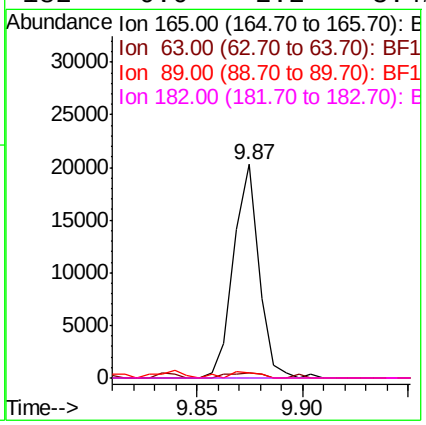


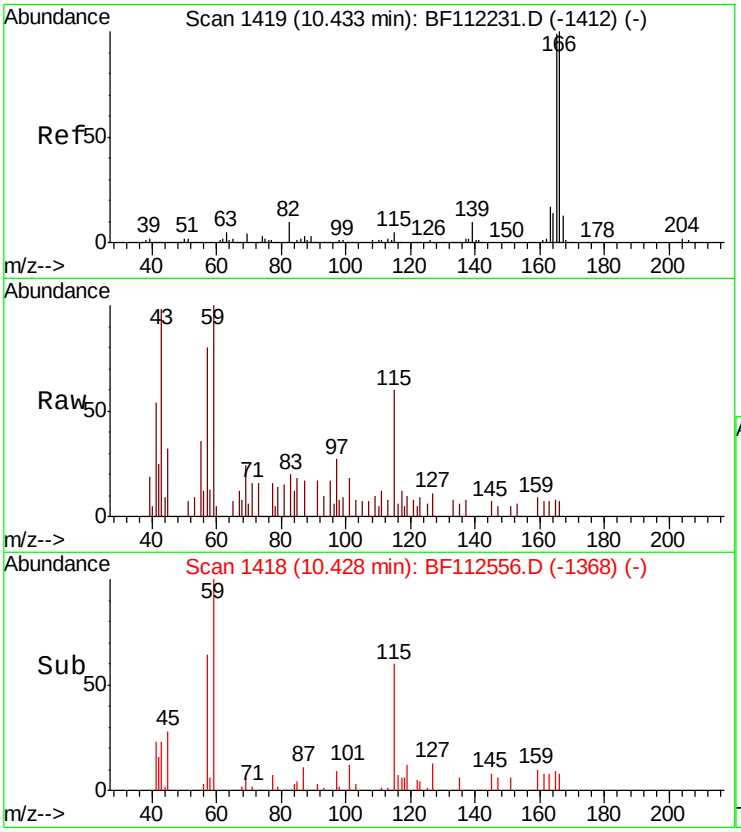


#57
2,4-Dinitrotoluene
Concen: 5.695 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.21 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Tgt Ion:165 Resp: 16807

Ion	Ratio	Lower	Upper
165	100		
63	2.2	27.9	41.9#
89	2.5	47.9	71.9#
182	0.0	2.2	3.4#



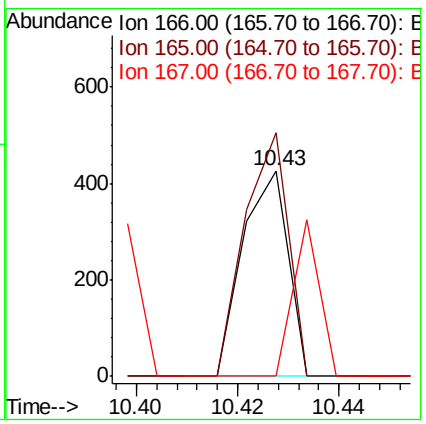


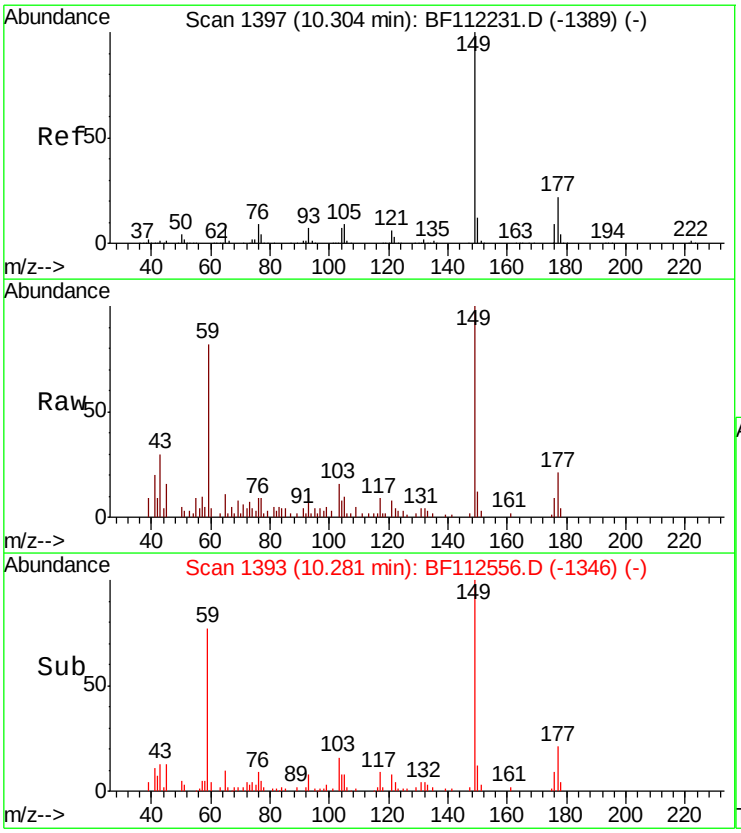
#58
Fluorene
Concen: 0.029 ng
RT: 10.43 min Scan# 1418
Delta R.T. -0.01 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Instrument :
BNA_F
ClientSampleId :
HP-640

Tgt Ion:166 Resp: 264

Ion	Ratio	Lower	Upper
166	100		
165	118.5	77.1	115.7#
167	0.0	11.3	16.9#

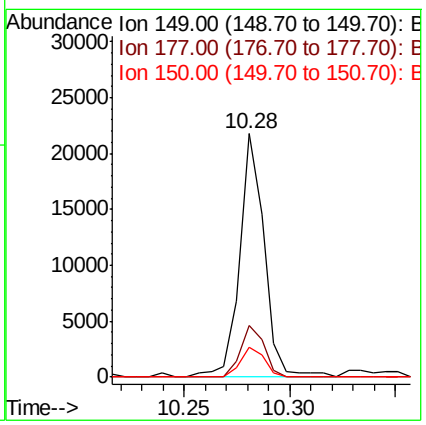


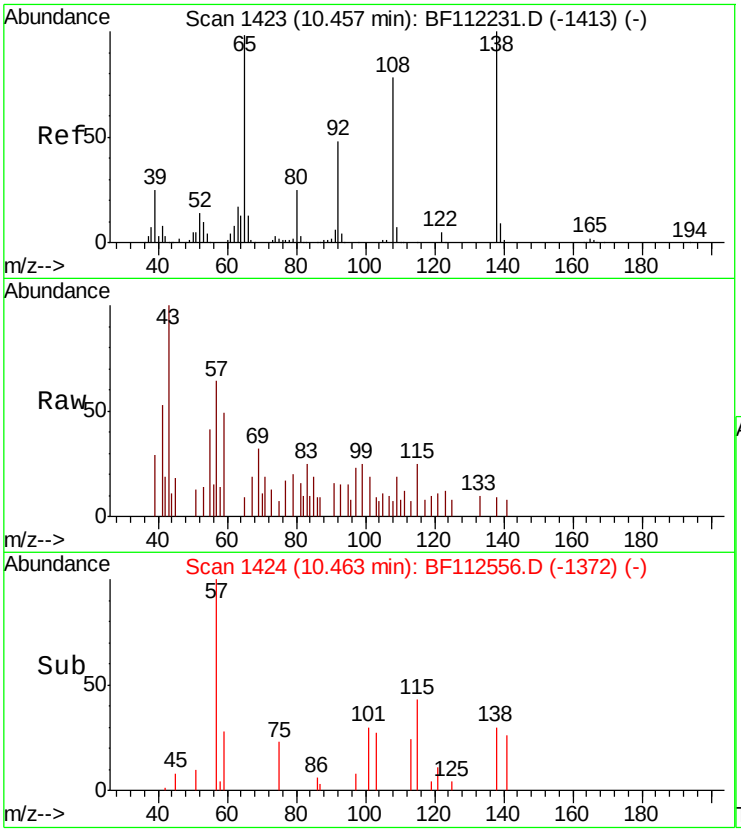


#60
Diethylphthalate
Concen: 1.706 ng
RT: 10.28 min Scan# 1393
Delta R.T. -0.02 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Tgt Ion:149 Resp: 17521

Ion	Ratio	Lower	Upper
149	100		
177	21.3	18.2	27.2
150	12.5	10.4	15.6



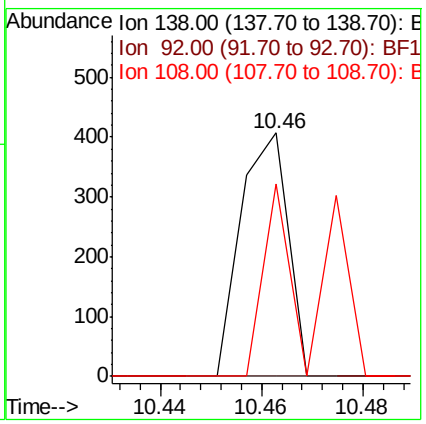


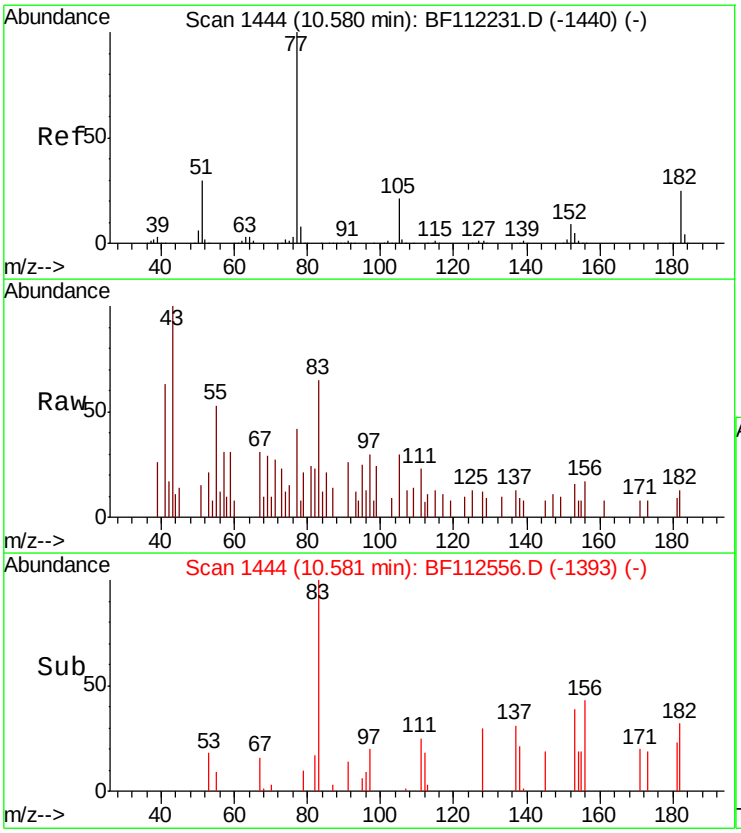
#62
4-Nitroaniline
Concen: 0.107 ng
RT: 10.46 min Scan# 1424
Delta R.T. 0.01 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Instrument :
BNA_F
ClientSampleId :
HP-640

Tgt Ion:138 Resp: 263

Ion	Ratio	Lower	Upper
138	100		
92	0.0	30.6	70.6#
108	78.9	50.0	90.0

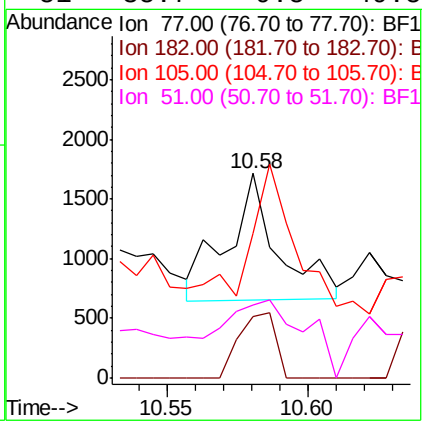


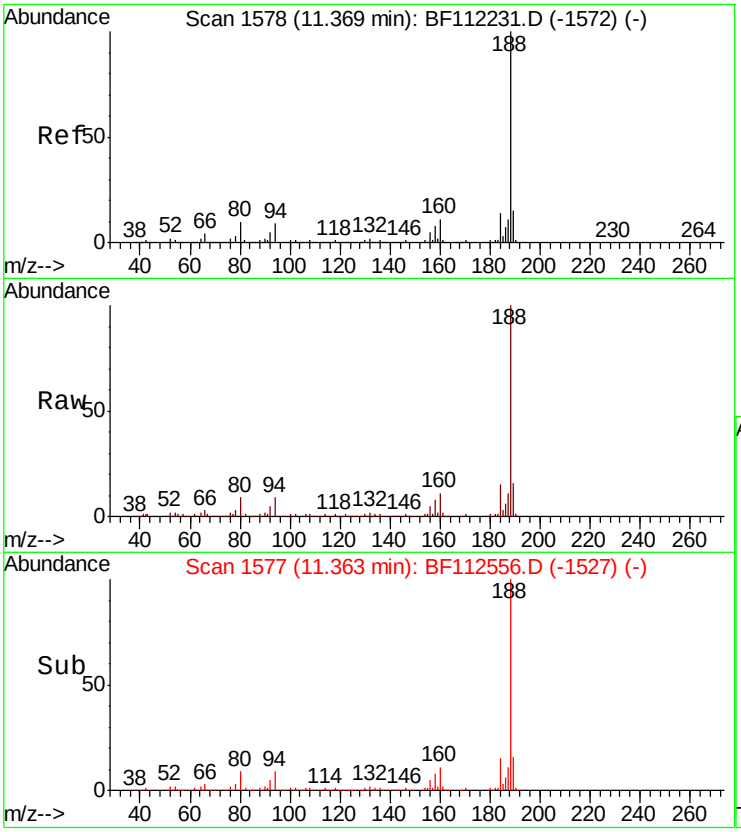


#63
Azobenzene
Concen: 0.146 ng
RT: 10.58 min Scan# 1444
Delta R.T. 0.00 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Tgt Ion: 77 Resp: 1317

Ion	Ratio	Lower	Upper
77	100		
182	30.4	5.7	45.7
105	70.7	1.4	41.4#
51	35.7	9.5	49.5



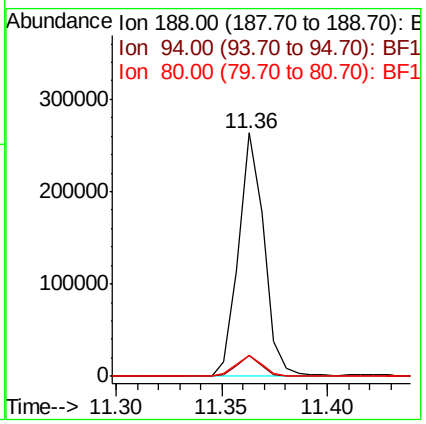


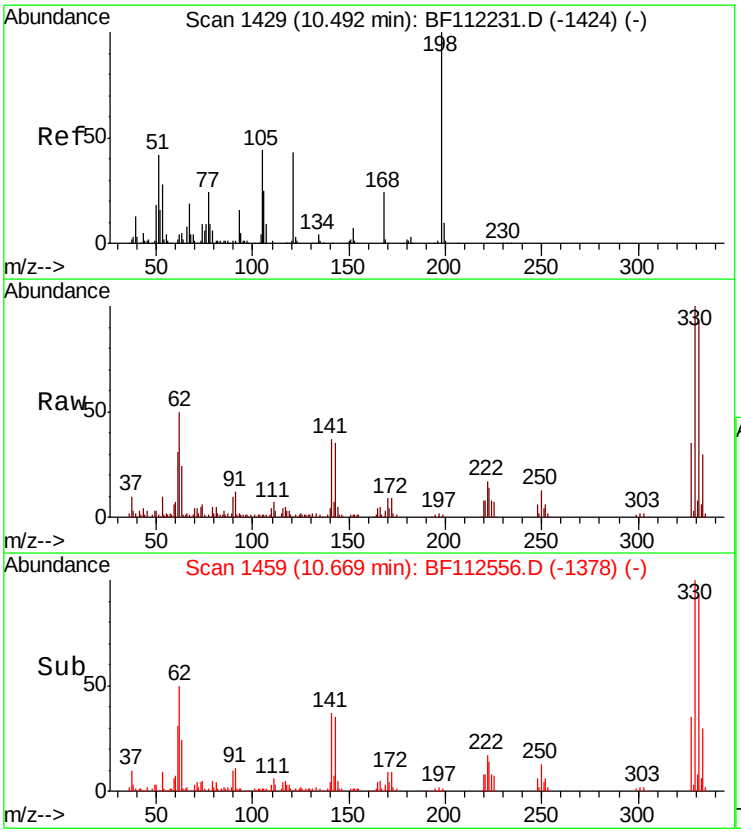
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Instrument :
BNA_F
ClientSampleId :
HP-640

Tgt Ion:188 Resp: 220664

Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.2	12.2
80	8.8	8.9	13.3#

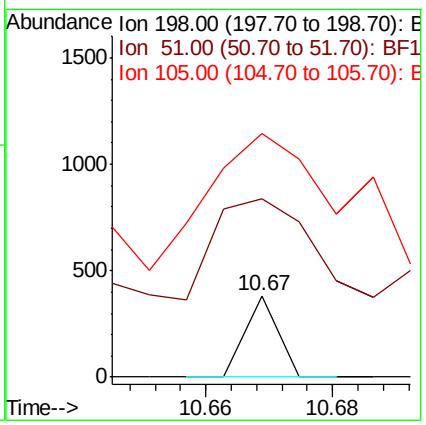


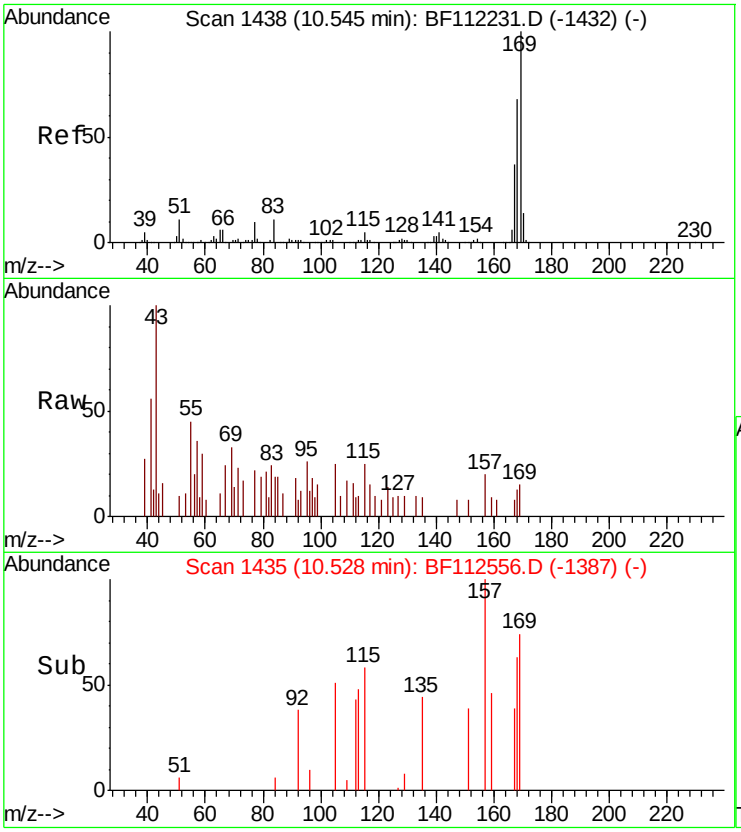


#65
4,6-Dinitro-2-methylphenol
Concen: 0.109 ng
RT: 10.67 min Scan# 1459
Delta R.T. 0.18 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Tgt Ion:198 Resp: 135

Ion	Ratio	Lower	Upper
198	100		
51	219.9	17.2	57.2#
105	299.5	21.9	61.9#



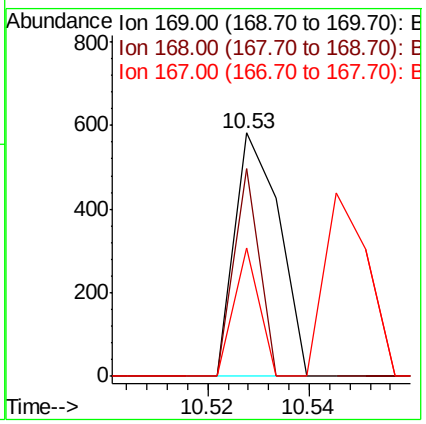


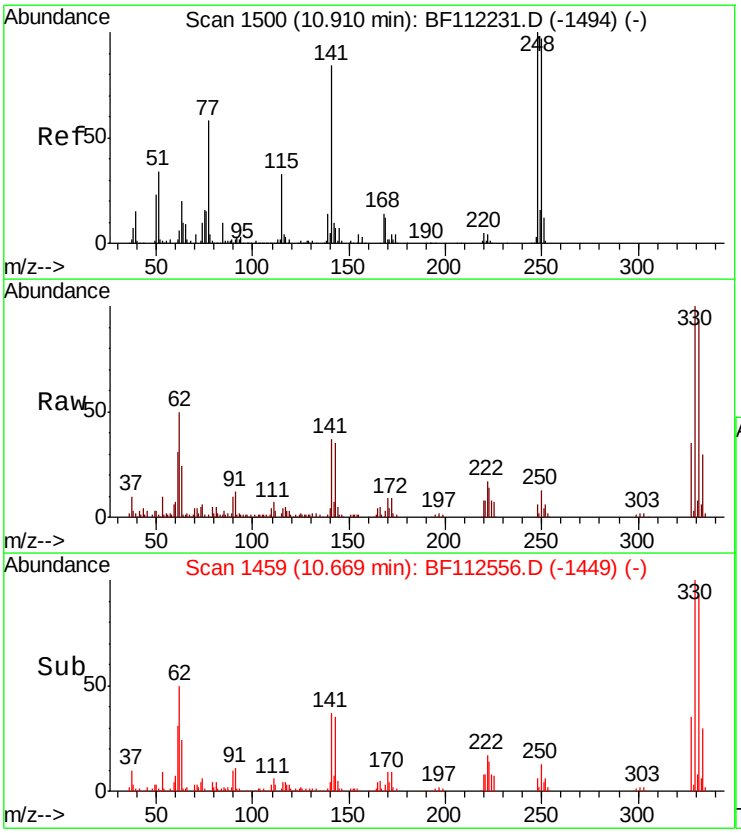
#66
n-Nitrosodiphenylamine
Concen: 0.048 ng
RT: 10.53 min Scan# 1435
Delta R.T. -0.02 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Instrument :
BNA_F
ClientSampleId :
HP-640

Tgt Ion:169 Resp: 356

Ion	Ratio	Lower	Upper
169	100		
168	85.2	53.9	80.9#
167	52.6	28.9	43.3#

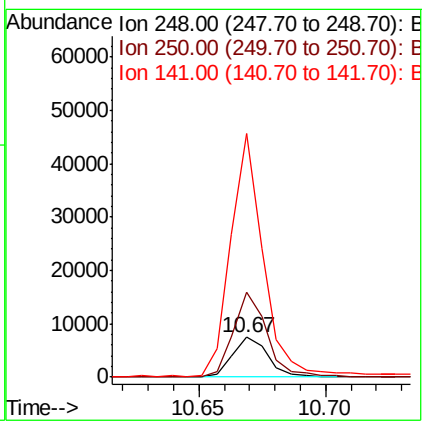


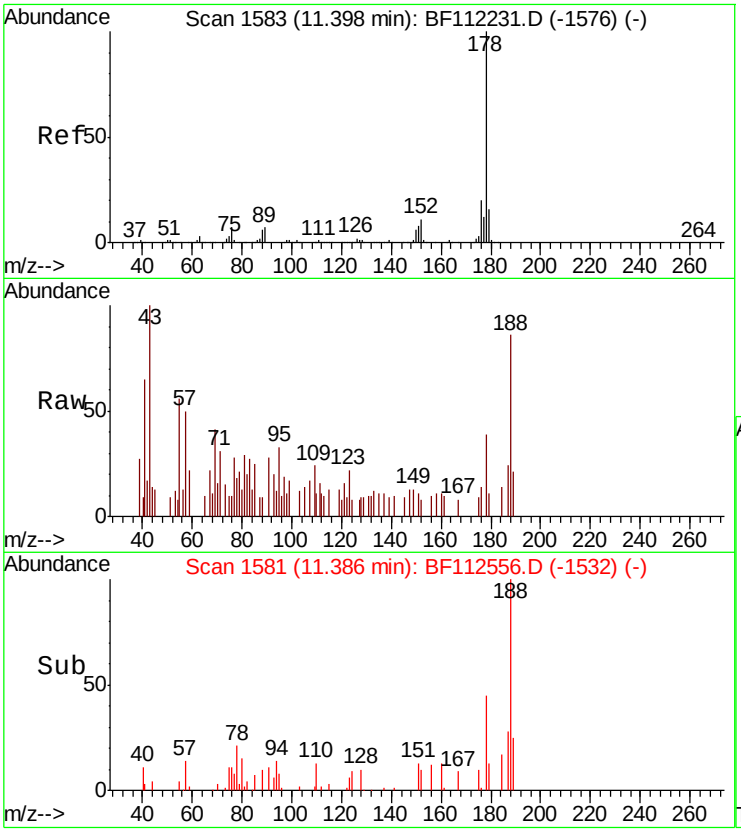


#67
4-Bromophenyl-phenylether
Concen: 2.781 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.24 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Tgt Ion:248 Resp: 7217

Ion	Ratio	Lower	Upper
248	100		
250	213.2	79.7	119.5#
141	608.1	60.3	90.5#



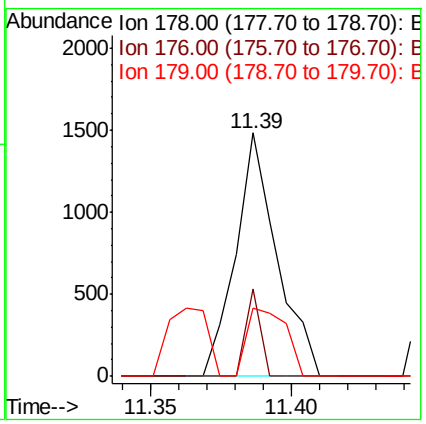


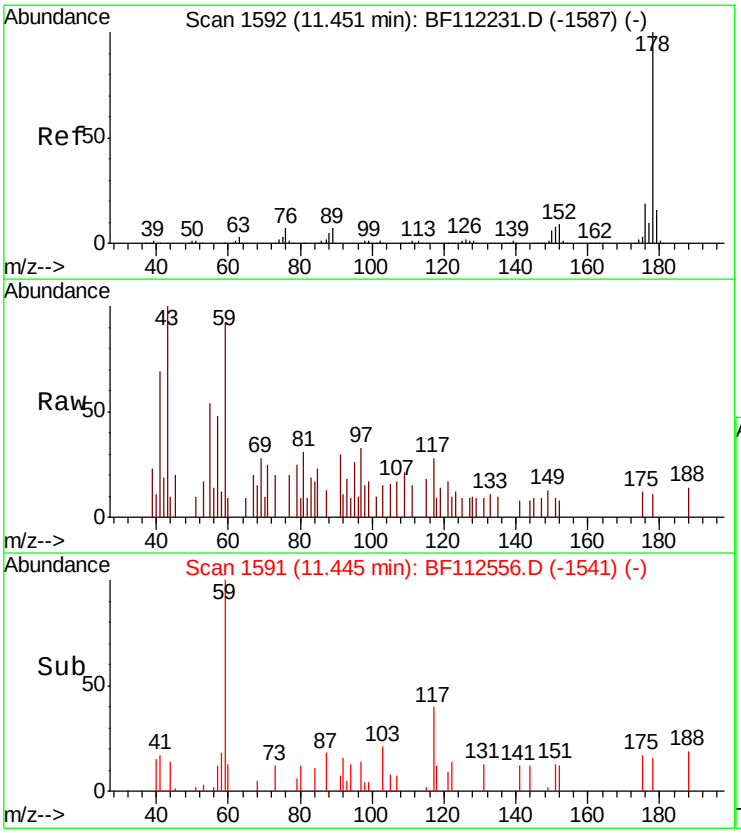
#71
Phenanthrene
Concen: 0.131 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Instrument :
BNA_F
ClientSampleId :
HP-640

Tgt Ion:178 Resp: 1507

Ion	Ratio	Lower	Upper
178	100		
176	35.8	16.3	24.5#
179	28.0	13.0	19.4#

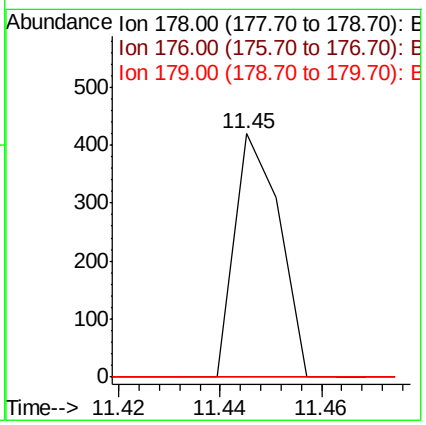


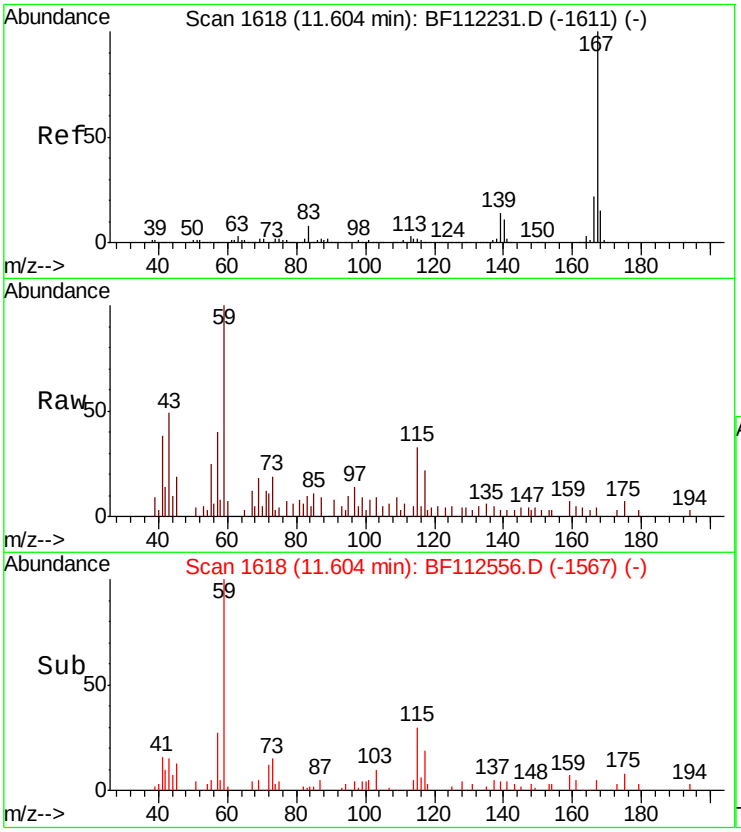


#72
Anthracene
Concen: 0.022 ng
RT: 11.45 min Scan# 1591
Delta R.T. -0.01 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Tgt Ion:178 Resp: 257

Ion	Ratio	Lower	Upper
178	100		
176	0.0	15.5	23.3#
179	0.0	12.8	19.2#



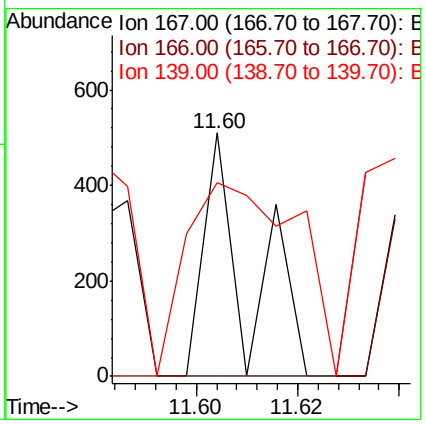


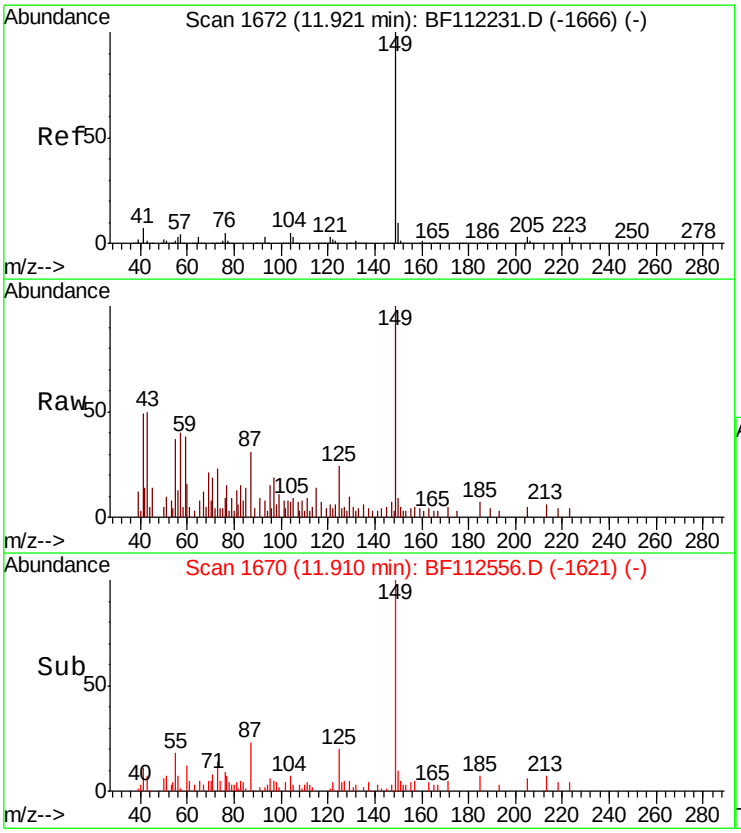
#73
Carbazole
Concen: 0.027 ng
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Instrument :
BNA_F
ClientSampleId :
HP-640

Tgt Ion:167 Resp: 307

Ion	Ratio	Lower	Upper
167	100		
166	0.0	17.9	26.9#
139	79.4	10.2	15.2#

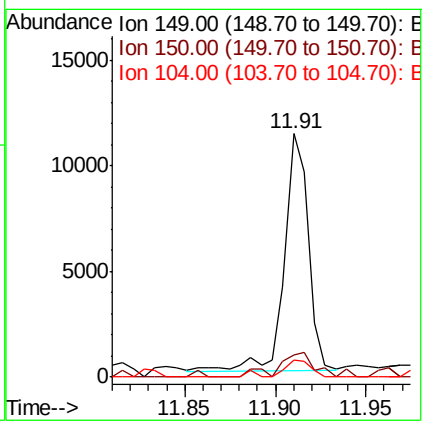


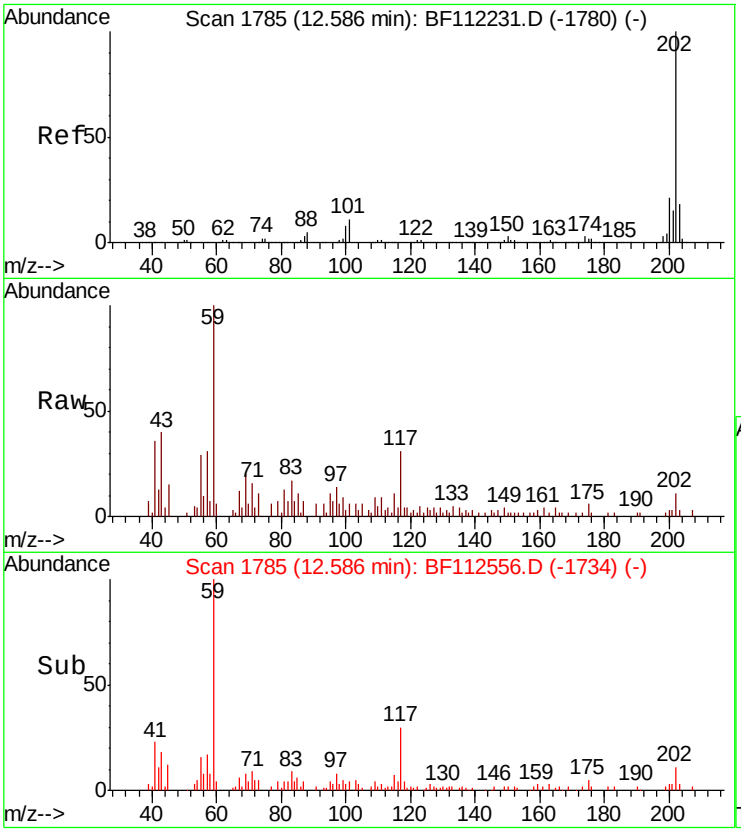


#74
Di-n-butylphthalate
Concen: 0.740 ng
RT: 11.91 min Scan# 1670
Delta R.T. -0.01 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Tgt Ion:149 Resp: 10351

Ion	Ratio	Lower	Upper
149	100		
150	9.4	8.1	12.1
104	7.1	3.9	5.9#



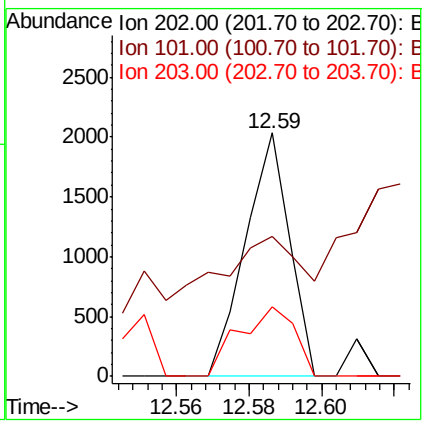


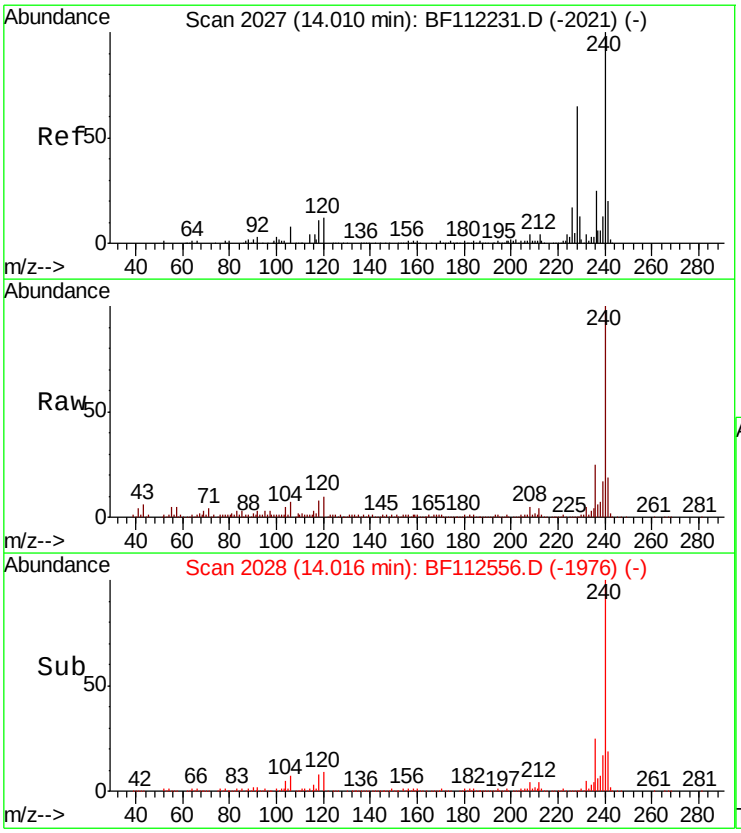
#75
Fluoranthene
Concen: 0.141 ng
RT: 12.59 min Scan# 1785
Delta R.T. 0.00 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Instrument :
BNA_F
ClientSampleId :
HP-640

Tgt Ion:202 Resp: 1731

Ion	Ratio	Lower	Upper
202	100		
101	57.3	0.0	31.8#
203	28.8	0.0	38.4

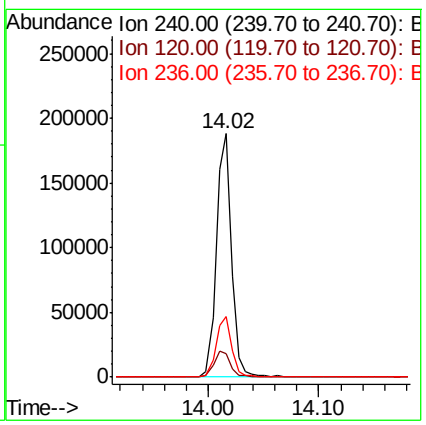


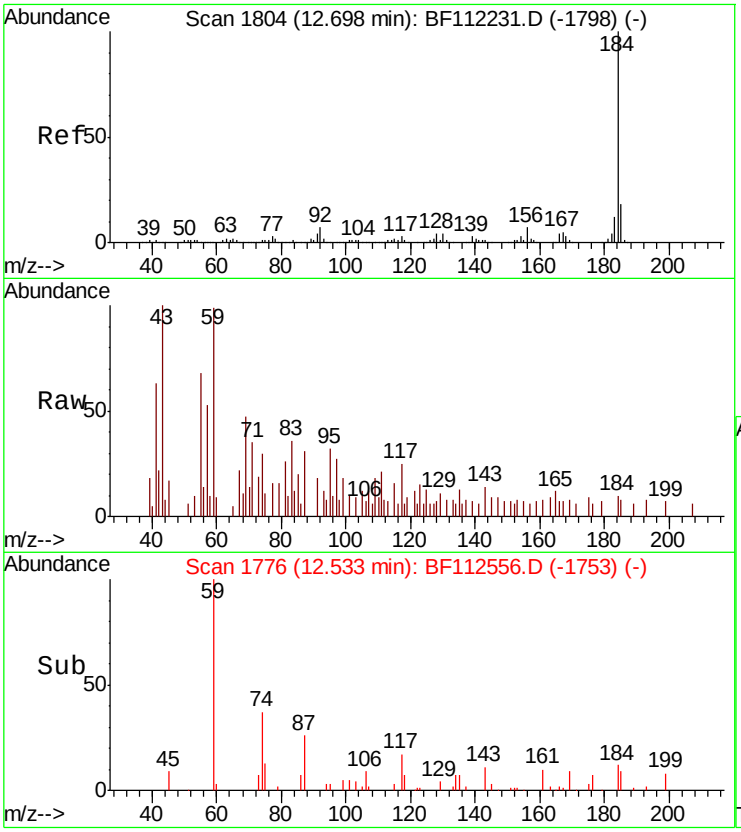


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Tgt Ion:240 Resp: 178907

Ion	Ratio	Lower	Upper
240	100		
120	9.7	9.0	13.6
236	25.1	20.7	31.1



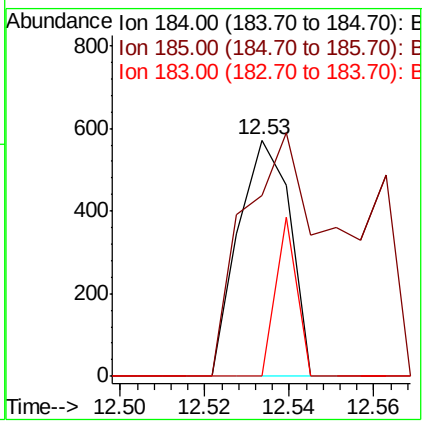


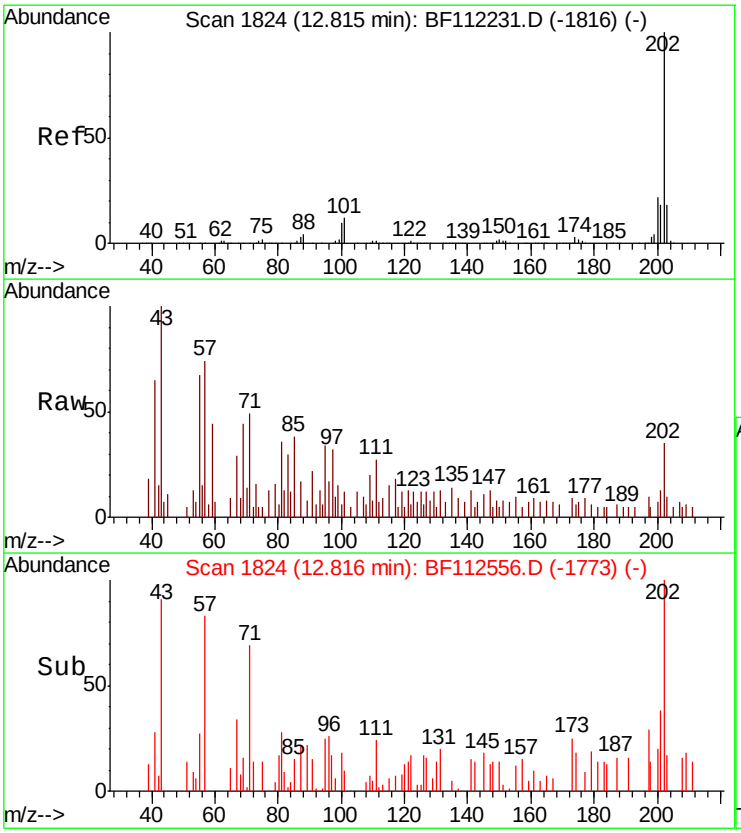
#77
Benzidine
Concen: 0.099 ng
RT: 12.53 min Scan# 1776
Delta R.T. -0.16 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Instrument :
BNA_F
ClientSampleId :
HP-640

Tgt Ion:184 Resp: 486

Ion	Ratio	Lower	Upper
184	100		
185	76.9	13.9	20.9#
183	0.0	10.0	15.0#

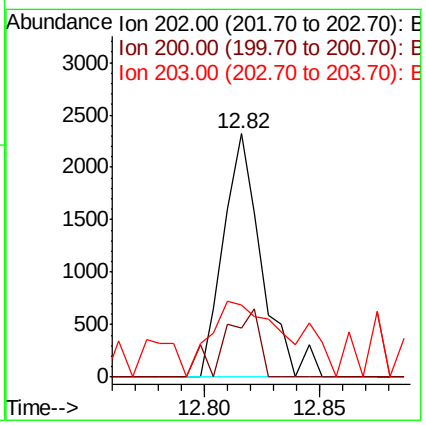


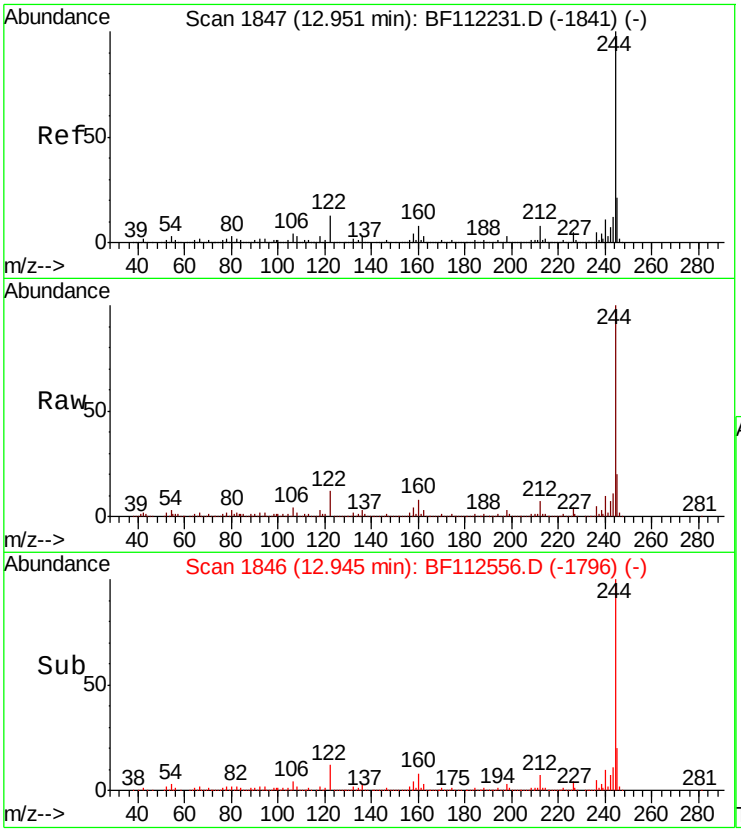


#78
Pyrene
Concen: 0.215 ng
RT: 12.82 min Scan# 1824
Delta R.T. 0.00 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Tgt Ion:202 Resp: 2669

Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.7	26.5
203	29.8	14.6	22.0#



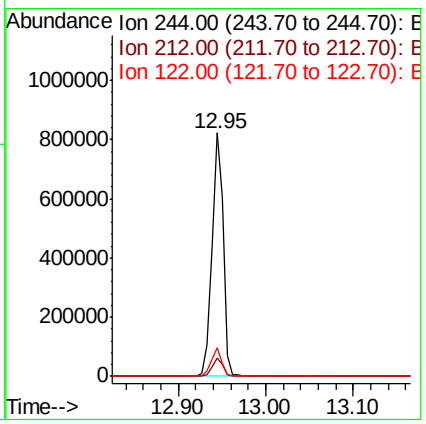


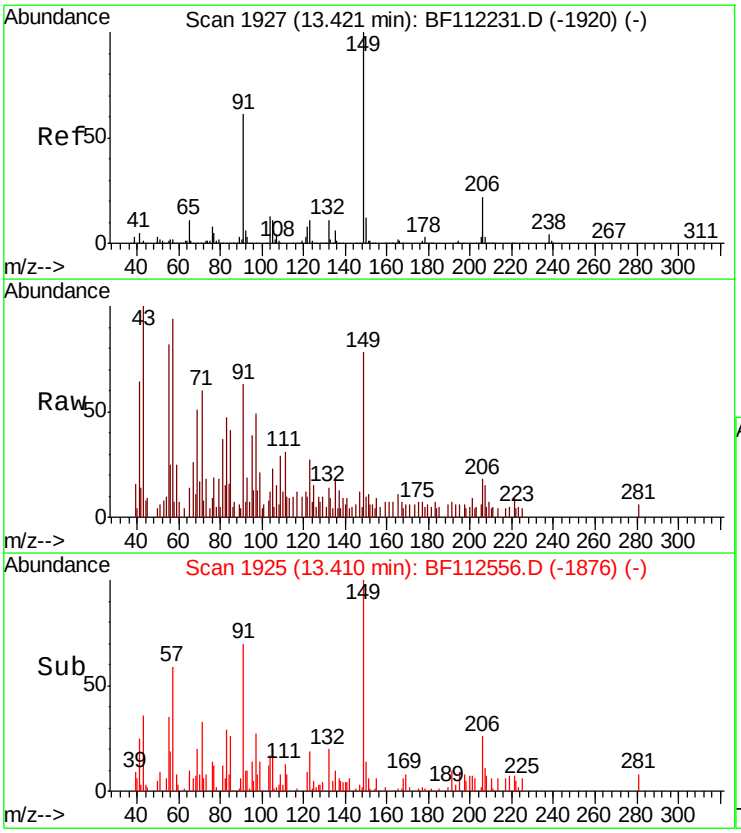
#79
Terphenyl-d14
Concen: 77.225 ng
RT: 12.95 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Instrument :
BNA_F
ClientSampleId :
HP-640

Tgt Ion:244 Resp: 733557

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.9	8.9
122	11.9	9.8	14.6

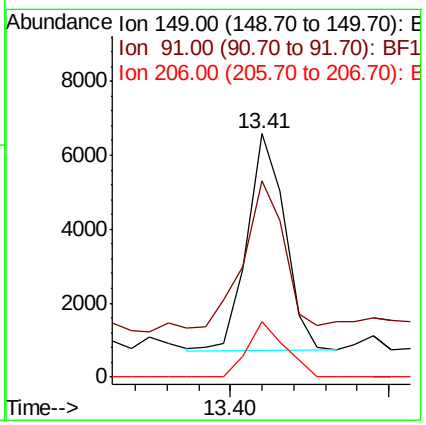


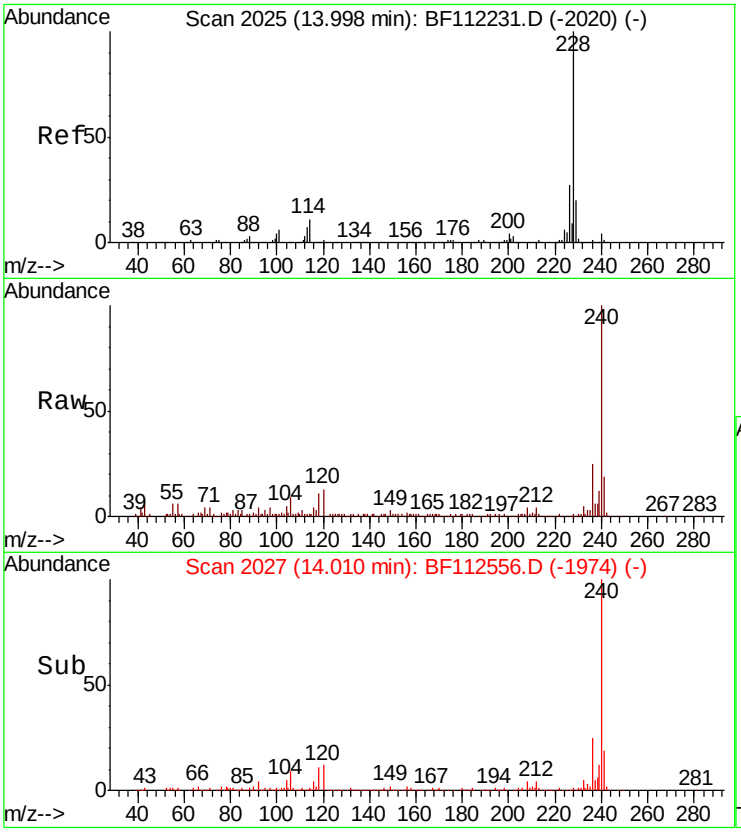


#80
Butylbenzylphthalate
Concen: 0.805 ng
RT: 13.41 min Scan# 1925
Delta R.T. -0.01 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Tgt Ion:149 Resp: 4822

Ion	Ratio	Lower	Upper
149	100		
91	80.6	50.3	75.5#
206	22.6	18.2	27.4



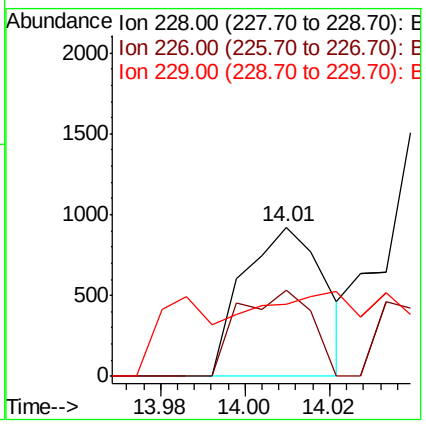


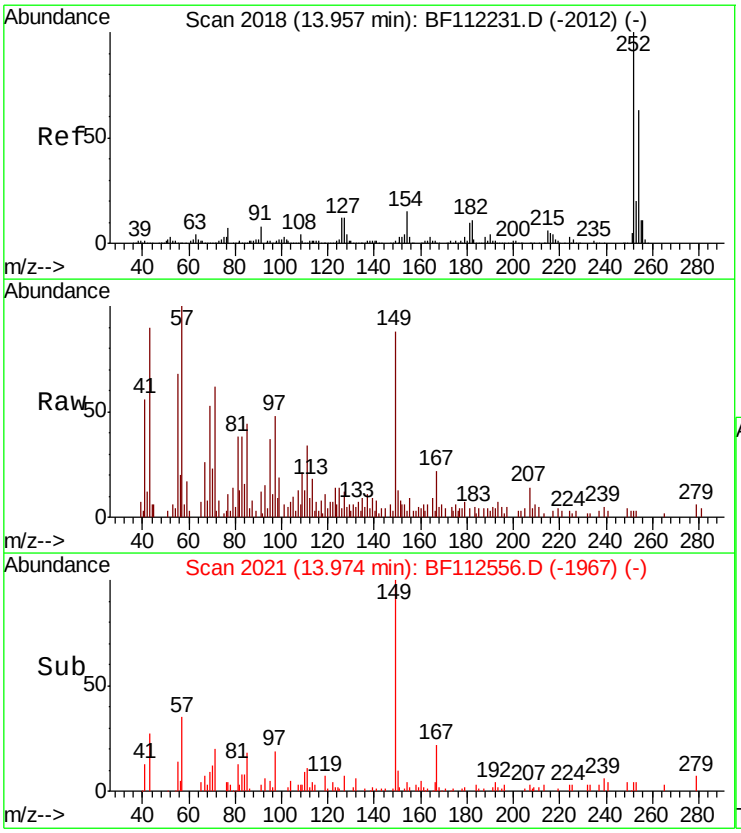
#81
Benzo(a)anthracene
Concen: 0.117 ng
RT: 14.01 min Scan# 2027
Delta R.T. 0.01 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Instrument :
BNA_F
ClientSampleId :
HP-640

Tgt Ion:228 Resp: 1235

Ion	Ratio	Lower	Upper
228	100		
226	57.8	22.6	34.0#
229	48.5	16.5	24.7#

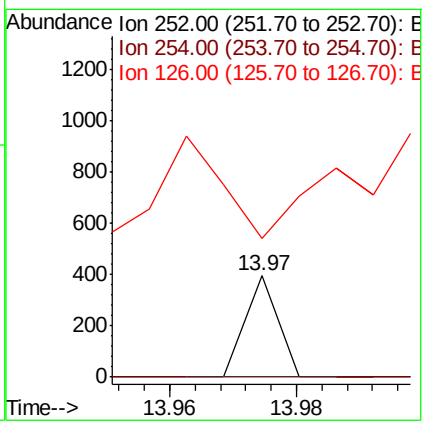


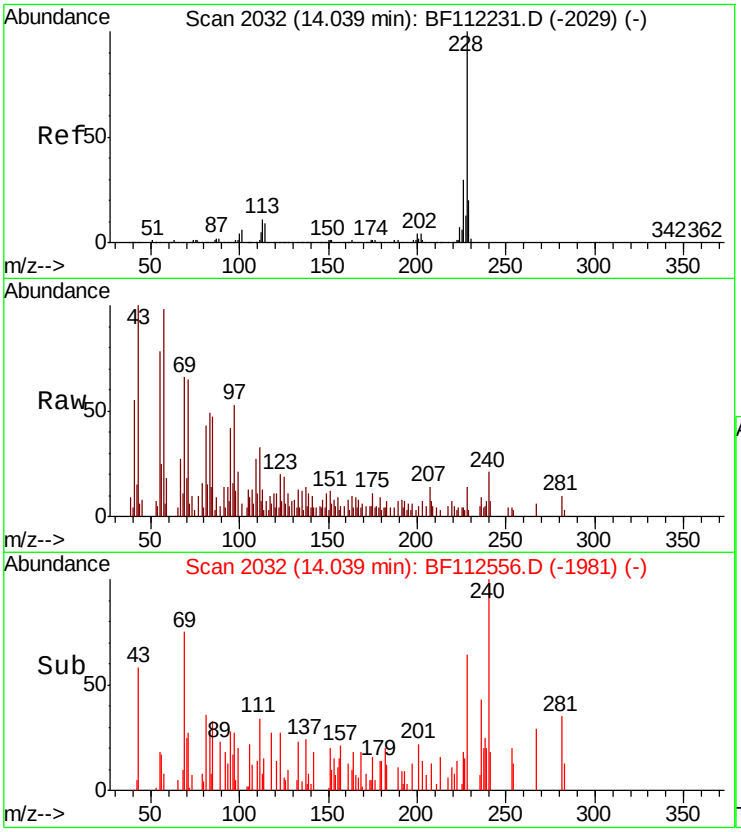


#82
3,3'-Dichlorobenzidine
Concen: 0.035 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.02 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Tgt Ion:252 Resp: 139

Ion	Ratio	Lower	Upper
252	100		
254	0.0	51.6	77.4#
126	136.5	8.6	12.8#



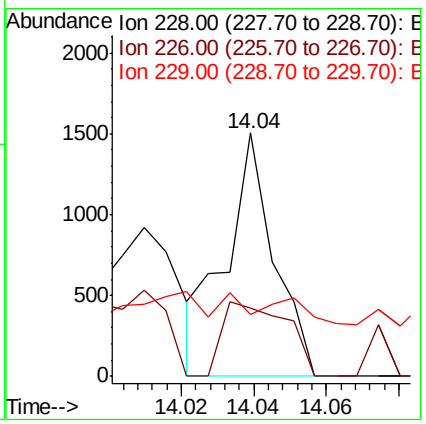


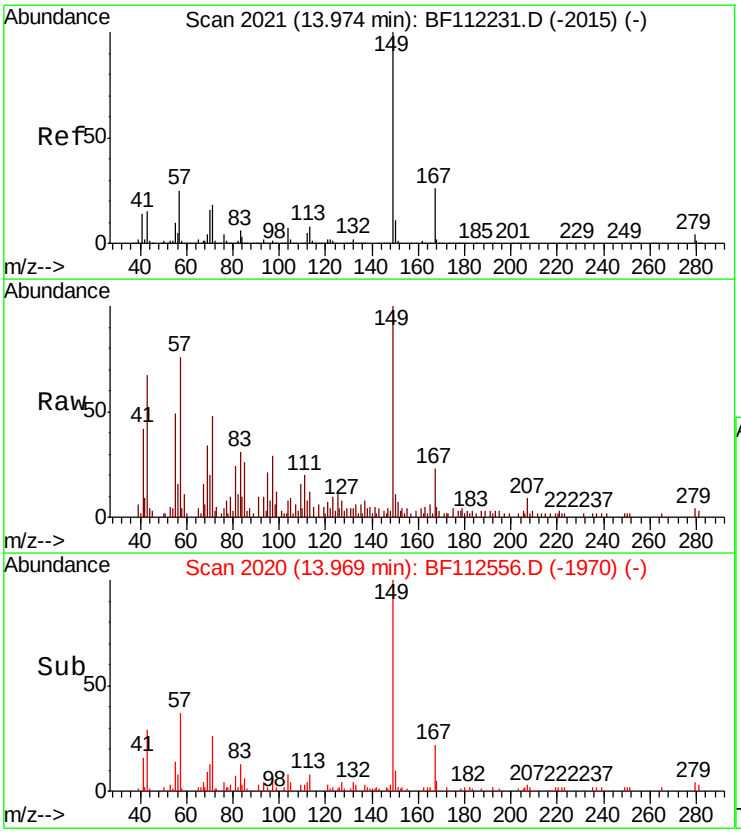
#83
Chrysene
Concen: 0.139 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.00 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Instrument :
BNA_F
ClientSampleId :
HP-640

Tgt Ion:228 Resp: 1394

Ion	Ratio	Lower	Upper
228	100		
226	28.2	25.0	37.6
229	25.3	16.6	24.8#

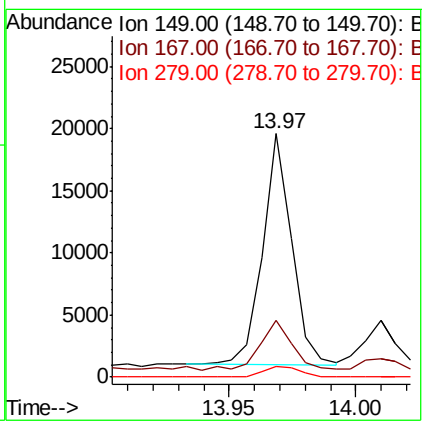


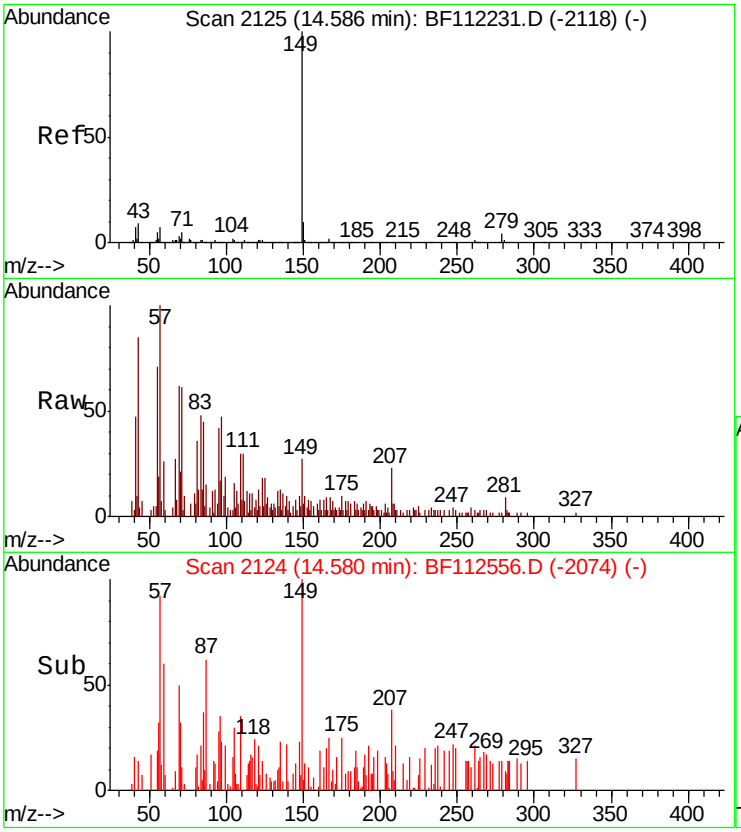


#84
Bis(2-ethylhexyl)phthalate
Concen: 1.756 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Tgt Ion:149 Resp: 14941

Ion	Ratio	Lower	Upper
149	100		
167	23.2	22.5	33.7
279	4.1	3.8	5.6



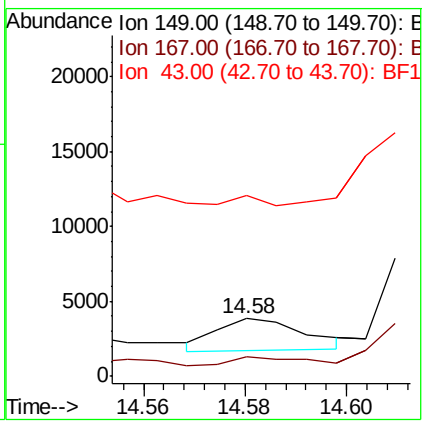


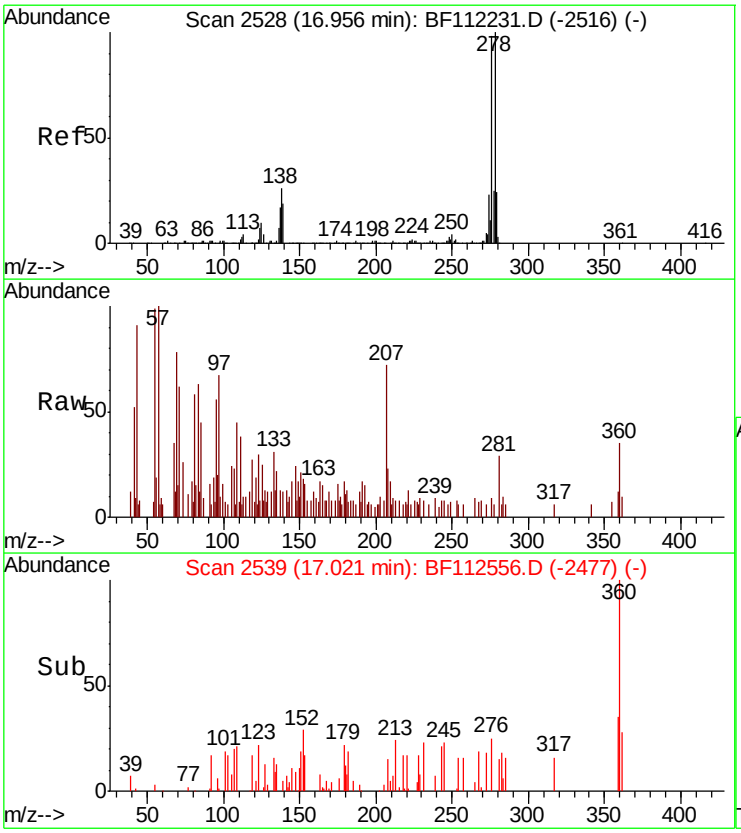
#85
Di-n-octyl phthalate
Concen: 0.194 ng
RT: 14.58 min Scan# 2124
Delta R.T. -0.01 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Instrument :
BNA_F
ClientSampleId :
HP-640

Tgt Ion:149 Resp: 2535

Ion	Ratio	Lower	Upper
149	100		
167	27.3	1.3	1.9#
43	0.0	7.8	11.6#

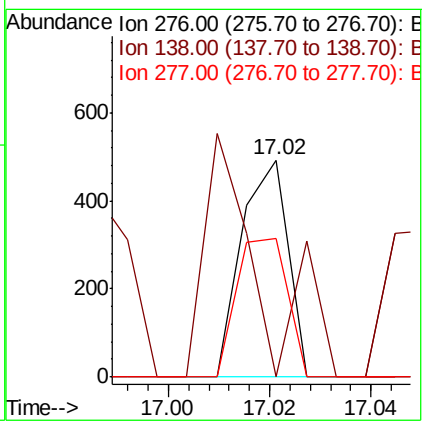


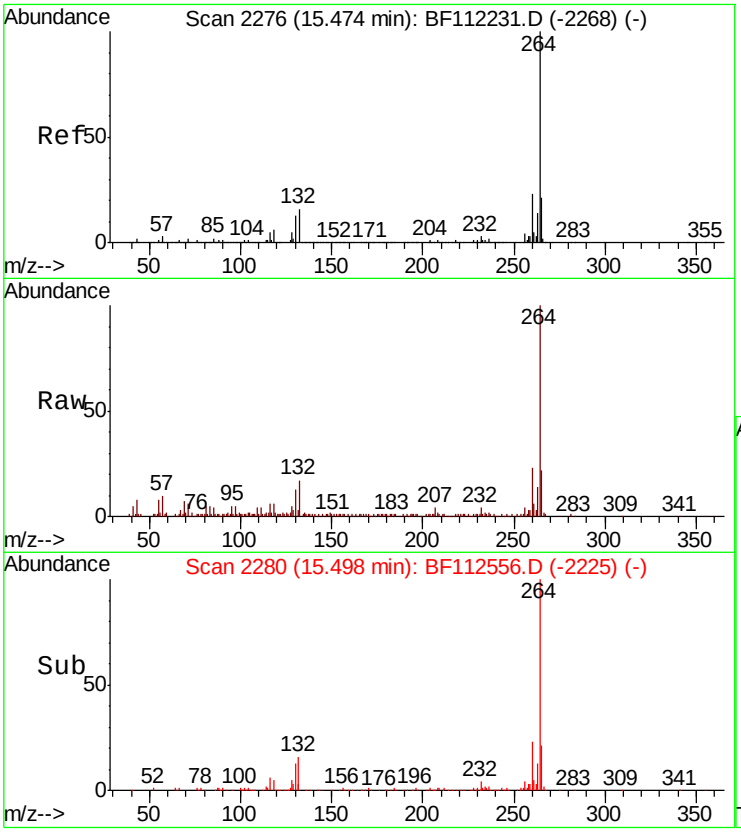


#86
Indeno(1,2,3-cd)pyrene
Concen: 0.039 ng
RT: 17.02 min Scan# 2539
Delta R.T. 0.06 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Tgt Ion:276 Resp: 311

Ion	Ratio	Lower	Upper
276	100		
138	134.7	22.6	34.0#
277	70.4	20.3	30.5#



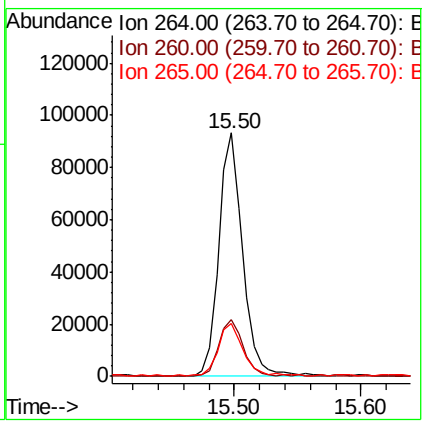


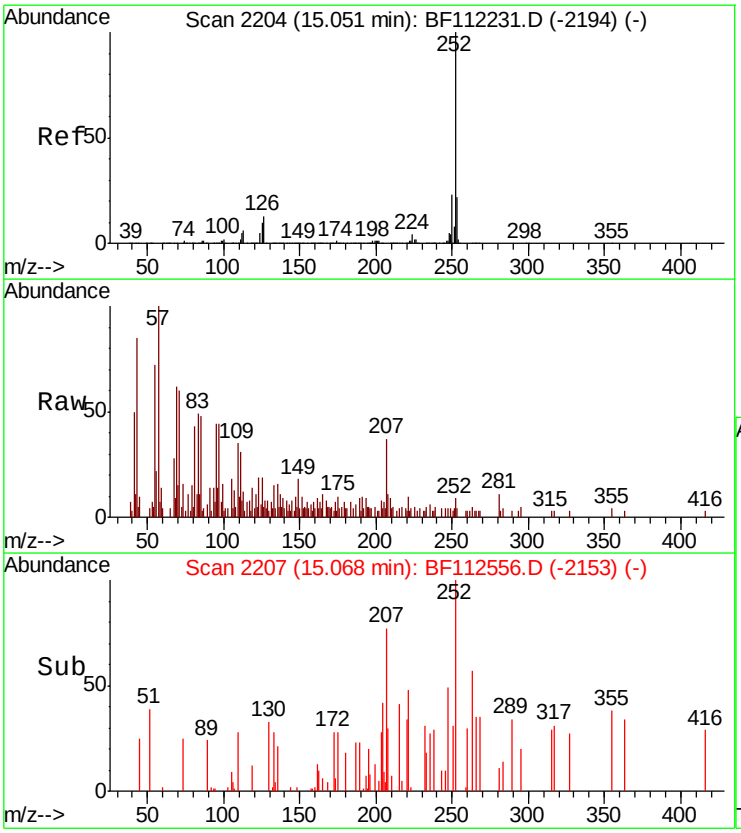
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. 0.02 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Instrument :
BNA_F
ClientSampleId :
HP-640

Tgt Ion:264 Resp: 121849

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.2	27.2
265	21.9	17.0	25.4

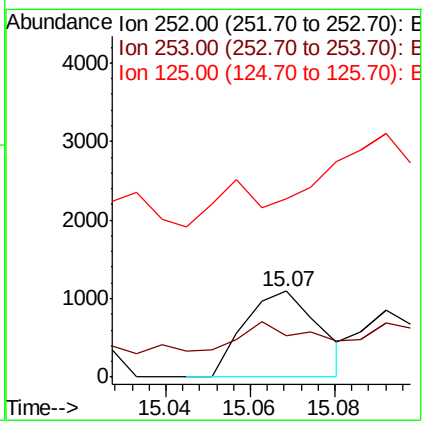


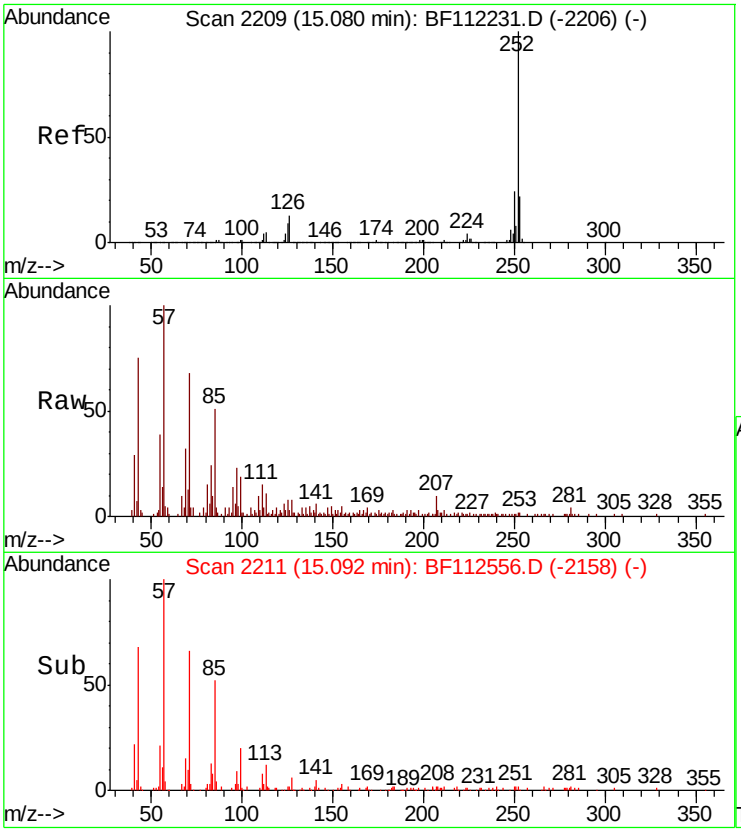


#88
Benzo(b)fluoranthene
Concen: 0.186 ng
RT: 15.07 min Scan# 2207
Delta R.T. 0.02 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Tgt Ion:252 Resp: 1353

Ion	Ratio	Lower	Upper
252	100		
253	48.2	18.0	27.0#
125	208.0	8.7	13.1#



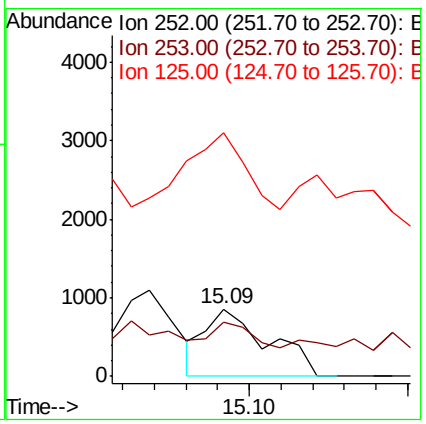


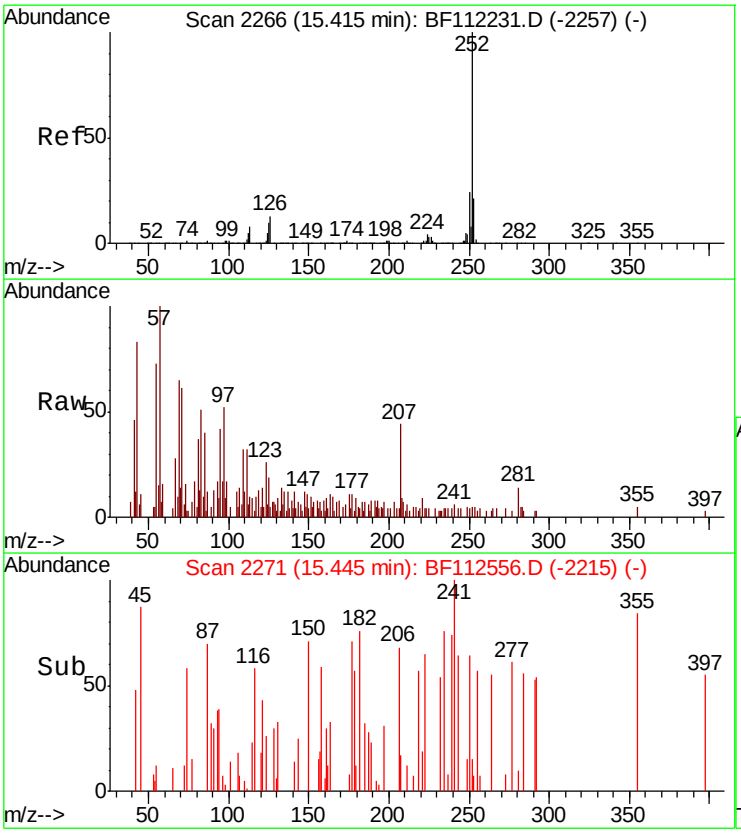
#89
Benzo(k)fluoranthene
Concen: 0.169 ng
RT: 15.09 min Scan# 2211
Delta R.T. 0.01 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Instrument :
BNA_F
ClientSampleId :
HP-640

Tgt Ion:252 Resp: 1178

Ion	Ratio	Lower	Upper
252	100		
253	80.3	18.0	27.0#
125	360.2	9.1	13.7#

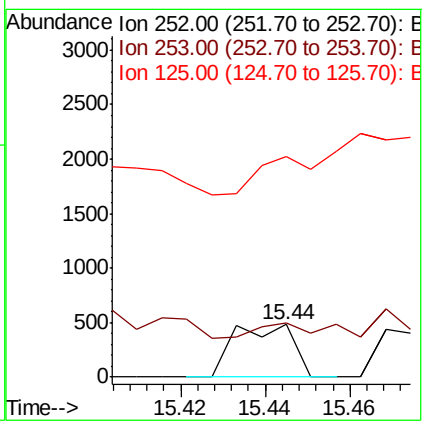


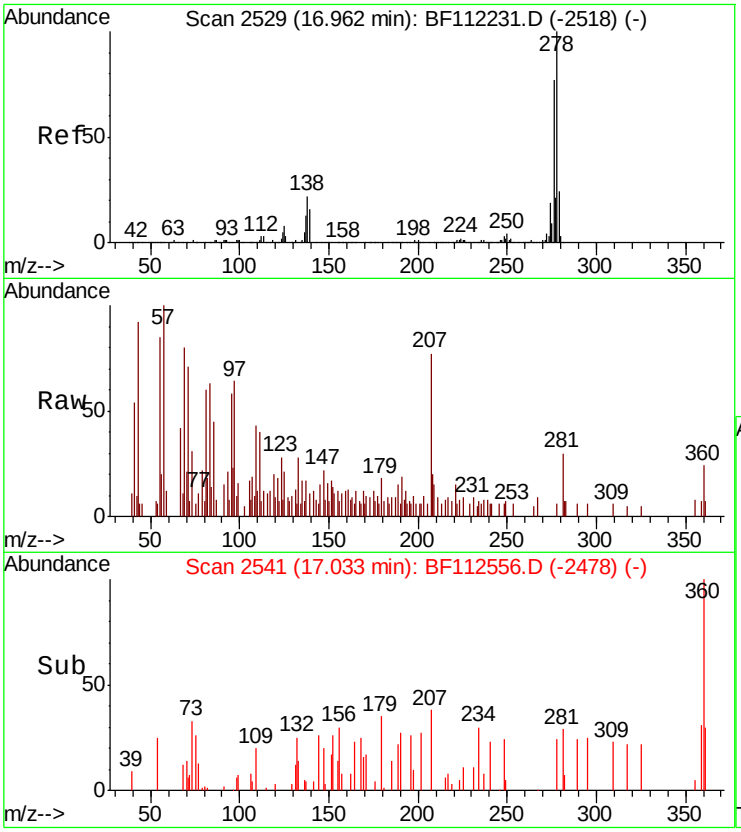


#90
Benzo(a)pyrene
Concen: 0.072 ng
RT: 15.44 min Scan# 2271
Delta R.T. 0.03 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Tgt Ion:252 Resp: 469

Ion	Ratio	Lower	Upper
252	100		
253	102.7	17.5	26.3#
125	418.1	9.0	13.4#



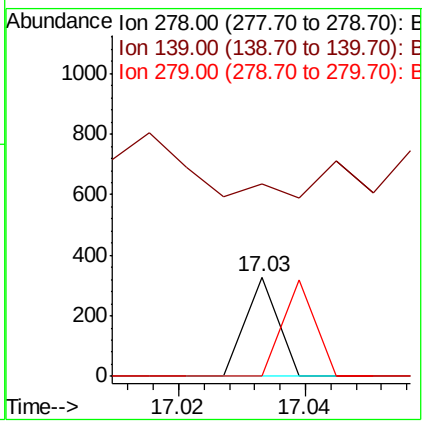


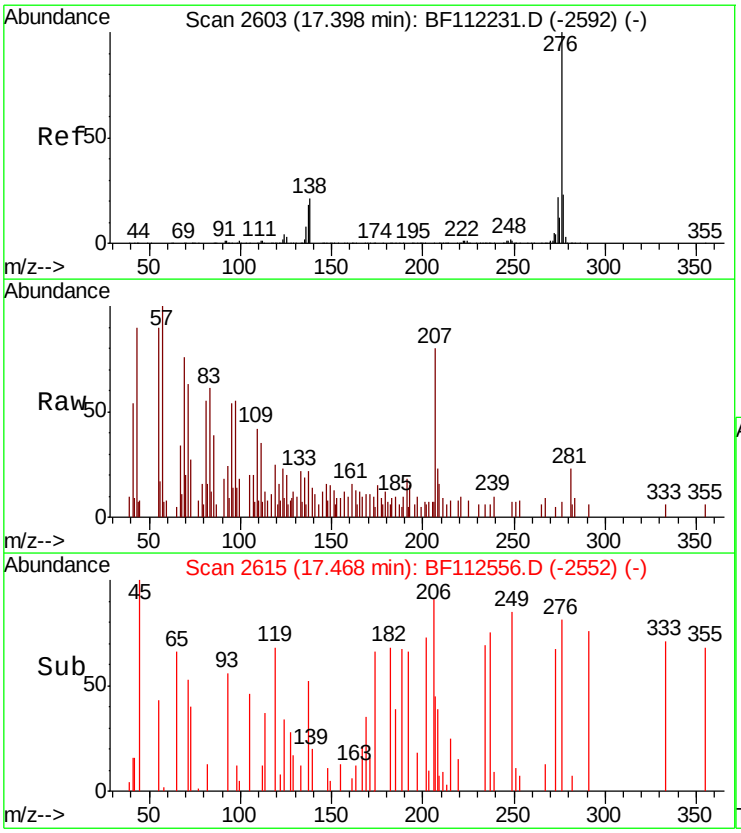
#91
Dibenzo(a,h)anthracene
Concen: 0.022 ng
RT: 17.03 min Scan# 2541
Delta R.T. 0.07 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Instrument :
BNA_F
ClientSampleId :
HP-640

Tgt Ion:278 Resp: 116

Ion	Ratio	Lower	Upper
278	100		
139	193.3	13.7	20.5#
279	0.0	19.0	28.6#





#92
Benzo(g,h,i)perylene
Concen: 0.122 ng
RT: 17.47 min Scan# 2615
Delta R.T. 0.07 min
Lab File: BF112556.D
Acq: 14 Feb 2019 1:48

Tgt Ion:276 Resp: 608

Ion	Ratio	Lower	Upper
276	100		
277	0.0	19.4	29.0#
138	0.0	19.1	28.7#