Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121817\
Data File : BF101483.D
Acq On : 18 Dec 2017 16:25
Operator : SJ/JU
Sample : I6680-13 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : CL-02-121417-B

Quant Time: Dec 19 01:22:13 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 18 15:38:59 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	190742	20.00	ng		0.00
21) Naphthalene-d8	8.09	136	690972	20.00	ng		0.00
38) Acenaphthene-d10	9.85	164	278600	20.00	ng		0.00
63) Phenanthrene-d10	11.34	188	434187	20.00	ng		0.00
75) Chrysene-d12	14.00	240	261551	20.00	ng		0.02
86) Perylene-d12	15.47	264	267361	20.00	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.43	112	616910	48.18	ng		0.00
7) Phenol-d6	6.45	99	726171	45.57	ng		0.00
23) Nitrobenzene-d5	7.37	82	426046	34.32	ng		0.00
41) 2,4,6-Tribromophenol	10.65	330	115788	43.13	ng		0.00
44) 2-Fluorobiphenyl	9.16	172	705407	39.28	ng		0.00
78) Terphenyl-d14	12.92	244	479222	44.17	ng		0.00
Target Compounds							Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	56133	5.36	ng	#	84
25) Isophorone	7.37	82	426042	17.11	ng	#	64
31) Naphthalene	8.12	128	851212	24.47	ng		99
32) Benzoic acid	7.90	122	4833	8.56	ng	#	45
33) 4-Chloroaniline	8.12	127	112179	7.42	ng	#	34
37) 2-Methylnaphthalene	8.80	142	524881	23.16	ng		100
45) 1,1'-Biphenyl	9.27	154	103309	4.18	ng		97
48) Acenaphthylene	9.71	152	610759	20.45	ng		97
49) Dimethylphthalate	9.56	163	54353	2.43	ng		98
51) Acenaphthene	9.88	154	399893	22.29	ng		98
53) 2,4-Dinitrophenol	9.99	184	131	10.39	ng	#	1
54) Dibenzofuran	10.06	168	495953	21.75	ng		98
55) 4-Nitrophenol	9.95	139	8085	3.27	ng	#	39
57) Fluorene	10.40	166	928092	48.12	ng		98
61) 4-Nitroaniline	10.40	138	11701	2.05	ng	#	25
65) n-Nitrosodiphenylamine	10.50	169	34551	2.16	ng	#	51
70) Phenanthrene	11.39	178	3349961	138.74	ng		99
71) Anthracene	11.43	178	1267973	51.41	ng		100
72) Carbazole	11.57	167	391719	16.96	ng		99
74) Fluoranthene	12.58	202	3127935	123.42	ng		97
77) Pyrene	12.81	202	3145687	160.25	ng		97
80) Benzo(a)anthracene	13.99	228	1757111	101.74	ng		94
82) Chrysene	14.03	228	1518117	93.10	ng		98
85) Indeno(1,2,3-cd)pyrene	16.97	276	662910	45.65	ng	#	91
87) Benzo(b)fluoranthene	15.05	252	2052273	125.94	ng		96
88) Benzo(k)fluoranthene	15.05	252	2052273	129.53	ng		98
89) Benzo(a)pyrene	15.42	252	1184850	78.87	ng		96
90) Dibenzo(a,h)anthracene	17.13	278	165207	12.81	ng		96
91) Benzo(g,h,i)perylene	17.42	276	639130	50.04	ng		93

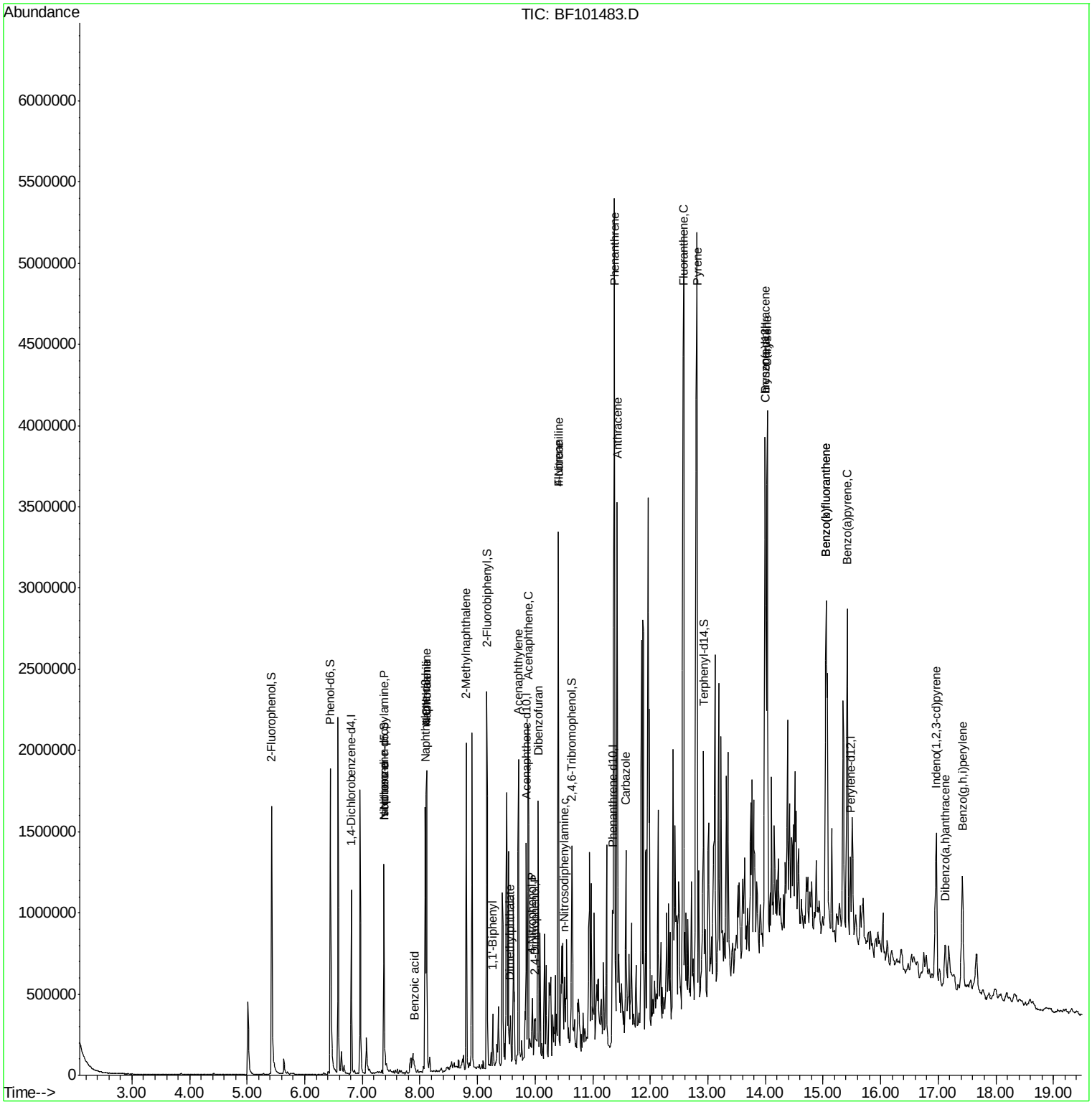
(#) = qualifier out of range (m) = manual integration (+) = signals summed

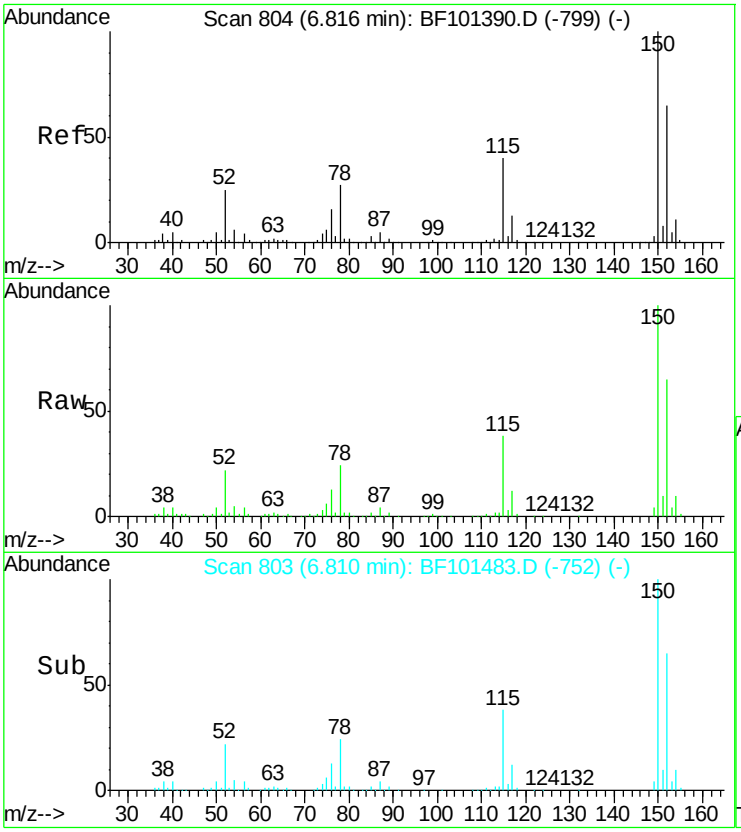
Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF121817\
Data File : BF101483.D
Acq On : 18 Dec 2017 16:25
Operator : SJ/JU
Sample : I6680-13 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CL-02-121417-B

Quant Time: Dec 19 01:22:13 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Dec 18 15:38:59 2017
Response via : Initial Calibration



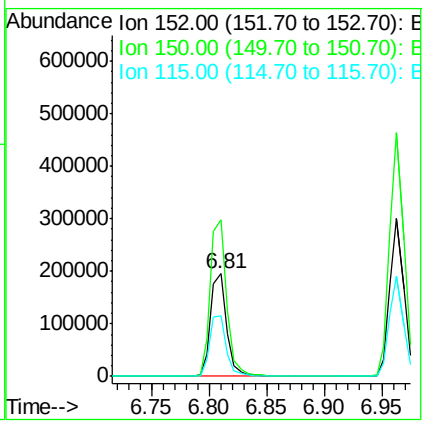


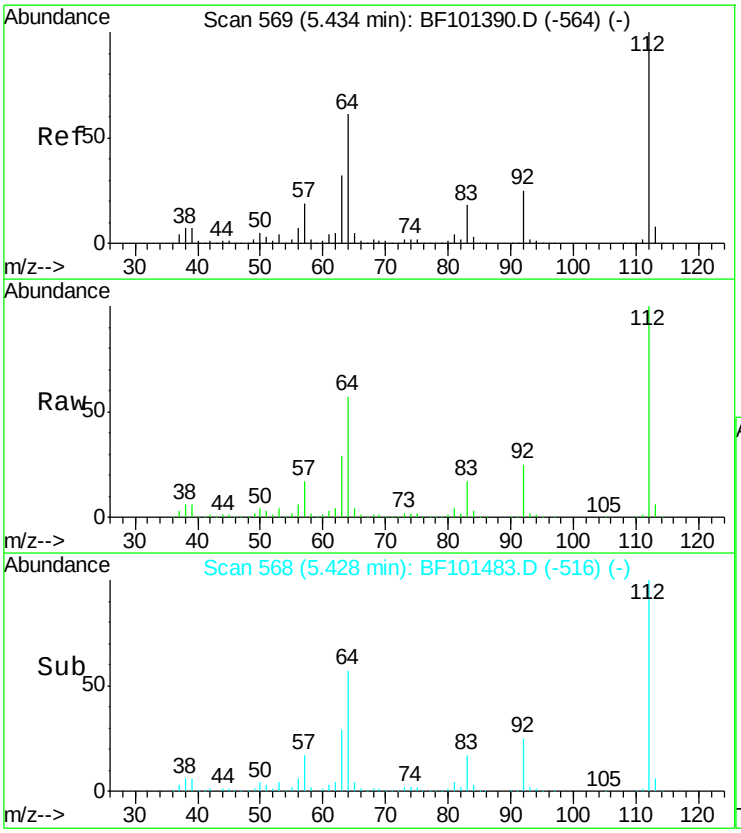
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.00 min
Lab File: BF101483.D
Acq: 18 Dec 2017 16:25

Instrument :
BNA_F
ClientSampleId :
CL-02-121417-B

Tgt Ion:152 Resp: 190742

Ion	Ratio	Lower	Upper
152	100		
150	153.2	124.6	186.8
115	58.5	50.1	75.1

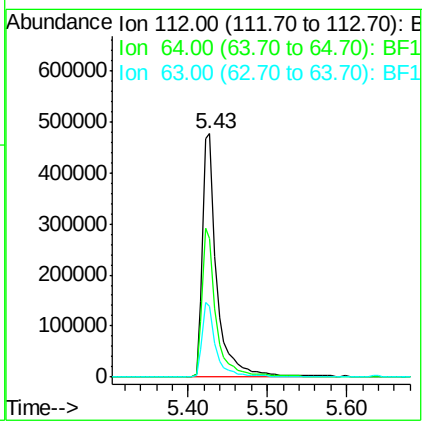


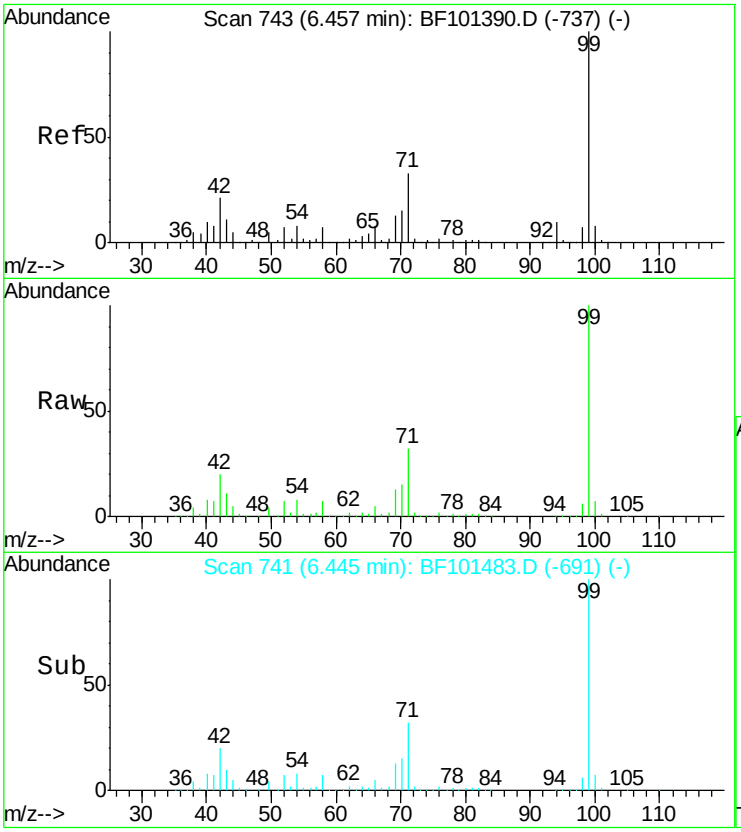


#5
2-Fluorophenol
Concen: 48.18 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF101483.D
Acq: 18 Dec 2017 16:25

Tgt Ion:112 Resp: 616910

Ion	Ratio	Lower	Upper
112	100		
64	57.2	47.9	71.9
63	29.4	23.7	35.5



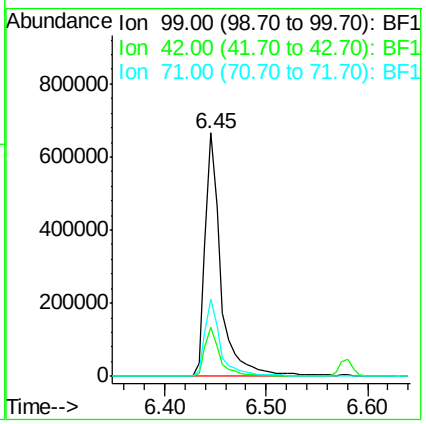


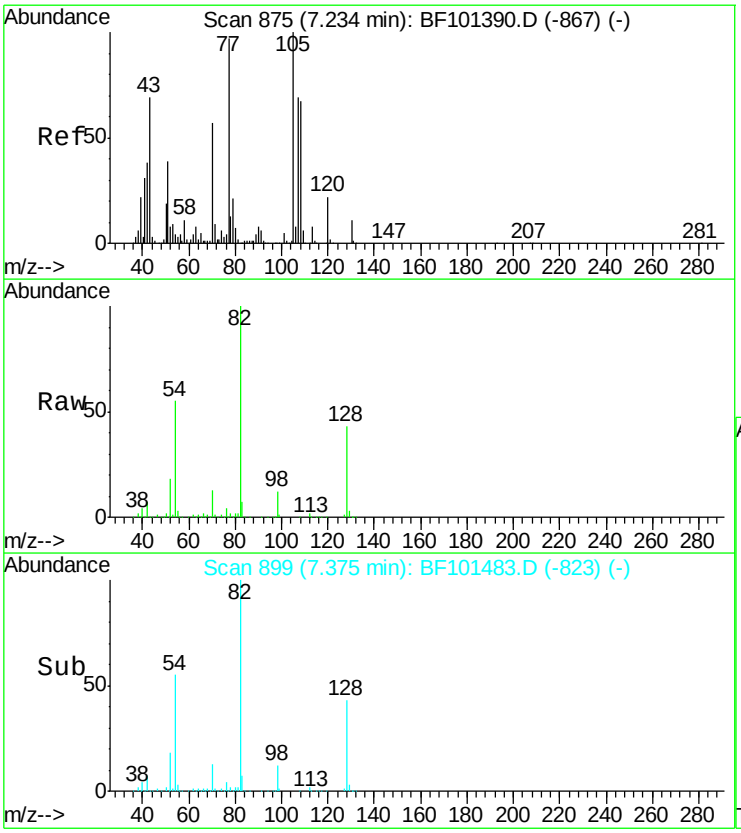
#7
Phenol-d6
Concen: 45.57 ng
RT: 6.45 min Scan# 741
Delta R.T. -0.01 min
Lab File: BF101483.D
Acq: 18 Dec 2017 16:25

Instrument :
BNA_F
ClientSampleId :
CL-02-121417-B

Tgt Ion: 99 Resp: 726171

Ion	Ratio	Lower	Upper
99	100		
42	20.0	14.5	21.7
71	31.9	25.4	38.0

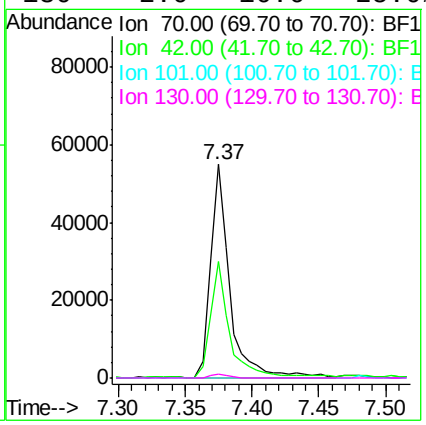


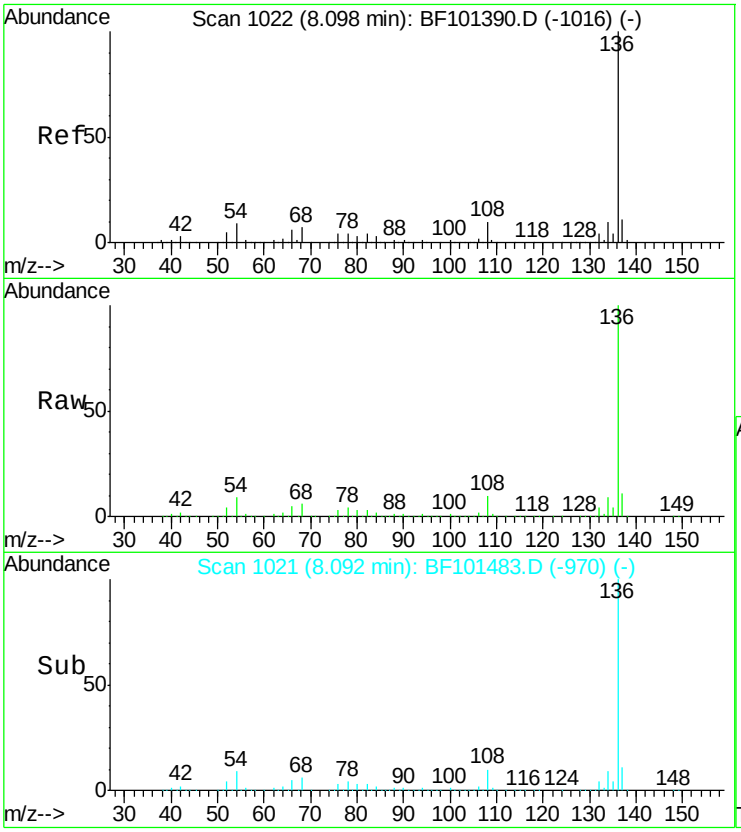


#19
n-Nitroso-di-n-propylamine
Concen: 5.36 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.15 min
Lab File: BF101483.D
Acq: 18 Dec 2017 16:25

Tgt Ion: 70 Resp: 56133

Ion	Ratio	Lower	Upper
70	100		
42	54.5	47.5	71.3
101	0.0	7.4	11.2#
130	2.0	16.6	25.0#



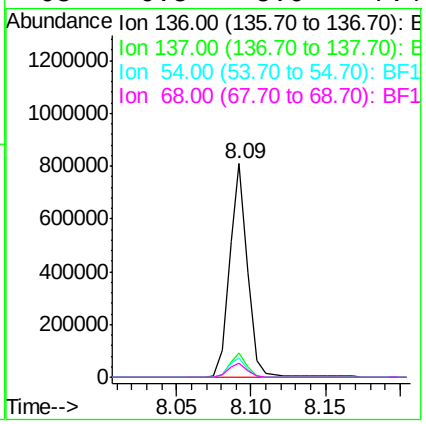


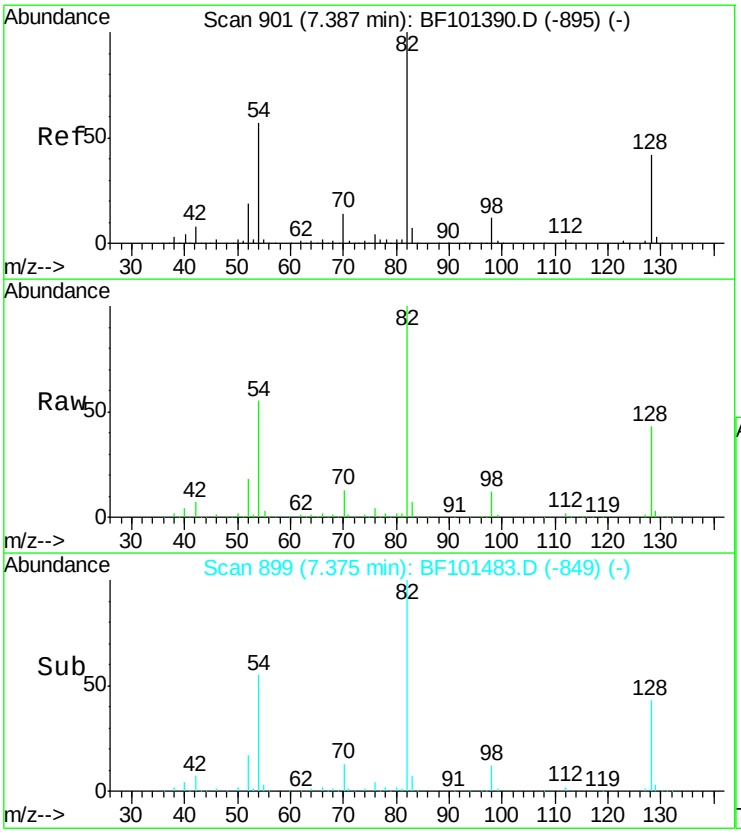
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BF101483.D
Acq: 18 Dec 2017 16:25

Instrument :
BNA_F
ClientSampleId :
CL-02-121417-B

Tgt Ion:136 Resp: 690972

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	8.7	6.6	9.8
68	6.5	5.0	7.4

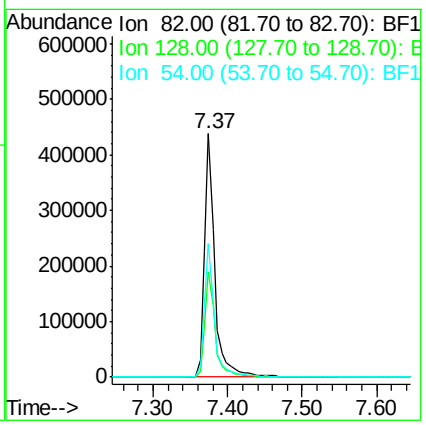


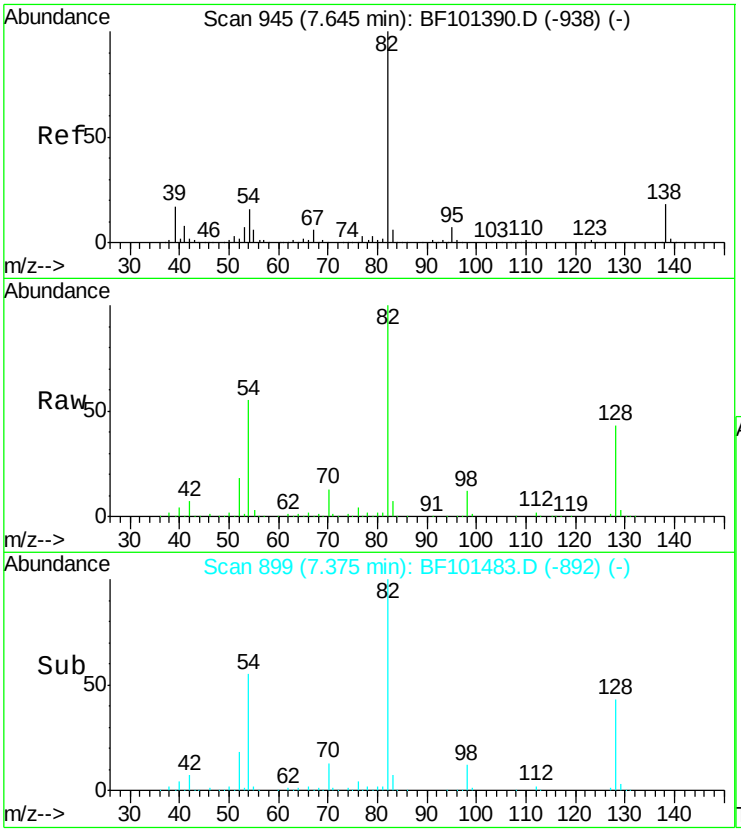


#23
Nitrobenzene-d5
Concen: 34.32 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF101483.D
Acq: 18 Dec 2017 16:25

Tgt Ion: 82 Resp: 426046

Ion	Ratio	Lower	Upper
82	100		
128	43.4	36.1	54.1
54	54.8	41.4	62.2



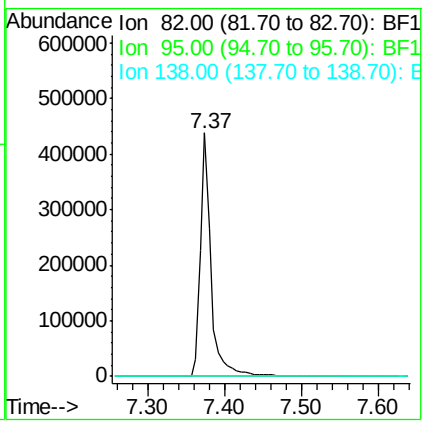


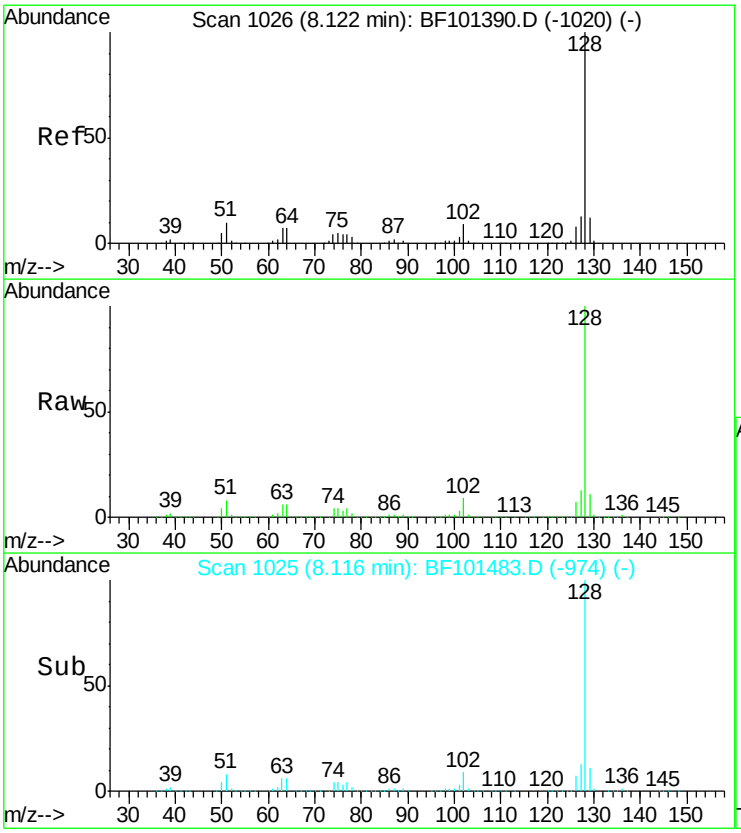
#25
Isophorone
Concen: 17.11 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.26 min
Lab File: BF101483.D
Acq: 18 Dec 2017 16:25

Instrument :
BNA_F
ClientSampleId :
CL-02-121417-B

Tgt Ion: 82 Resp: 426042

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

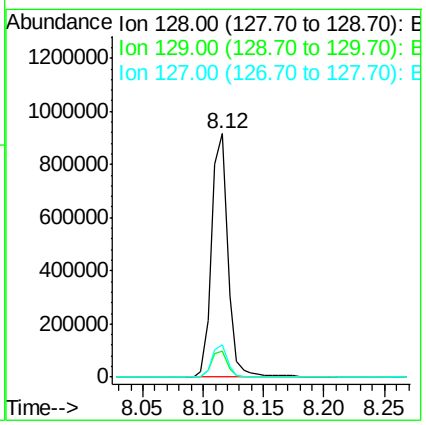


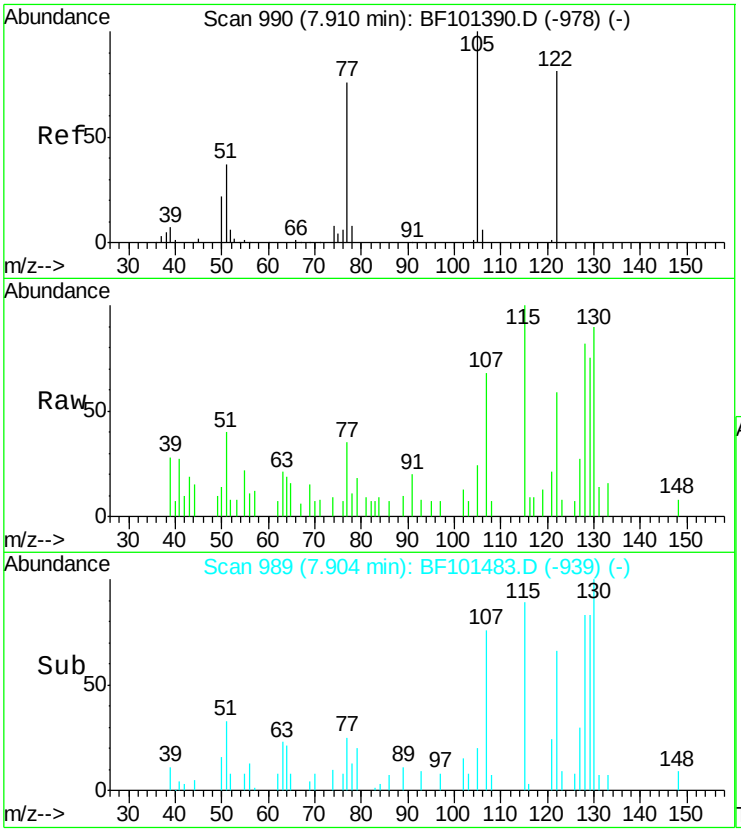


#31
Naphthalene
Concen: 24.47 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.00 min
Lab File: BF101483.D
Acq: 18 Dec 2017 16:25

Tgt Ion:128 Resp: 851212

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.8	13.2
127	13.1	10.9	16.3



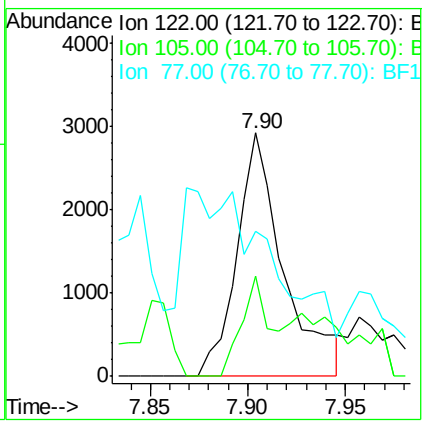


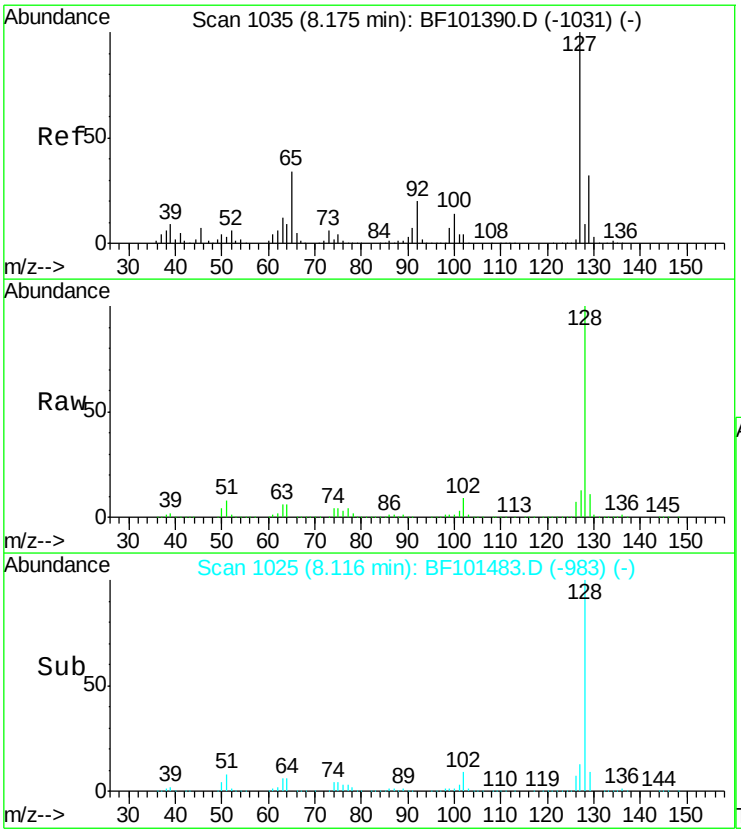
#32
Benzoic acid
Concen: 8.56 ng
RT: 7.90 min Scan# 989
Delta R.T. -0.01 min
Lab File: BF101483.D
Acq: 18 Dec 2017 16:25

Instrument :
BNA_F
ClientSampleId :
CL-02-121417-B

Tgt Ion:122 Resp: 4833

Ion	Ratio	Lower	Upper
122	100		
105	41.2	101.1	141.1#
77	59.3	70.7	110.7#

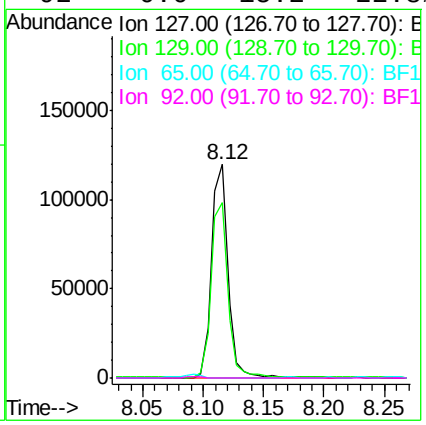


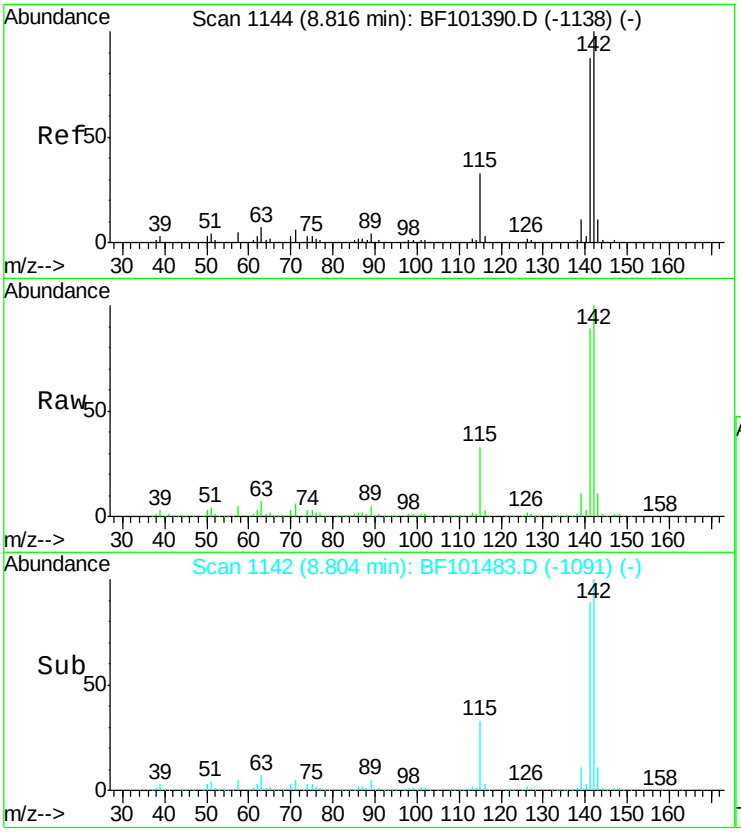


#33
4-Chloroaniline
Concen: 7.42 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.05 min
Lab File: BF101483.D
Acq: 18 Dec 2017 16:25

Tgt Ion:127 Resp: 112179

Ion	Ratio	Lower	Upper
127	100		
129	81.9	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#



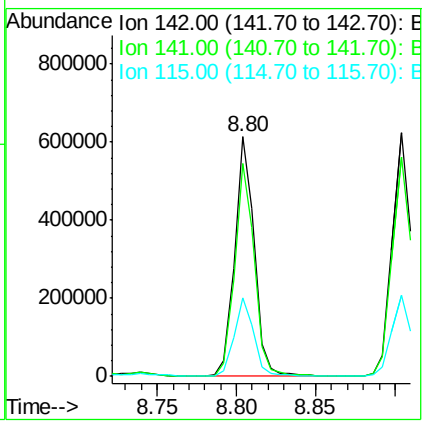


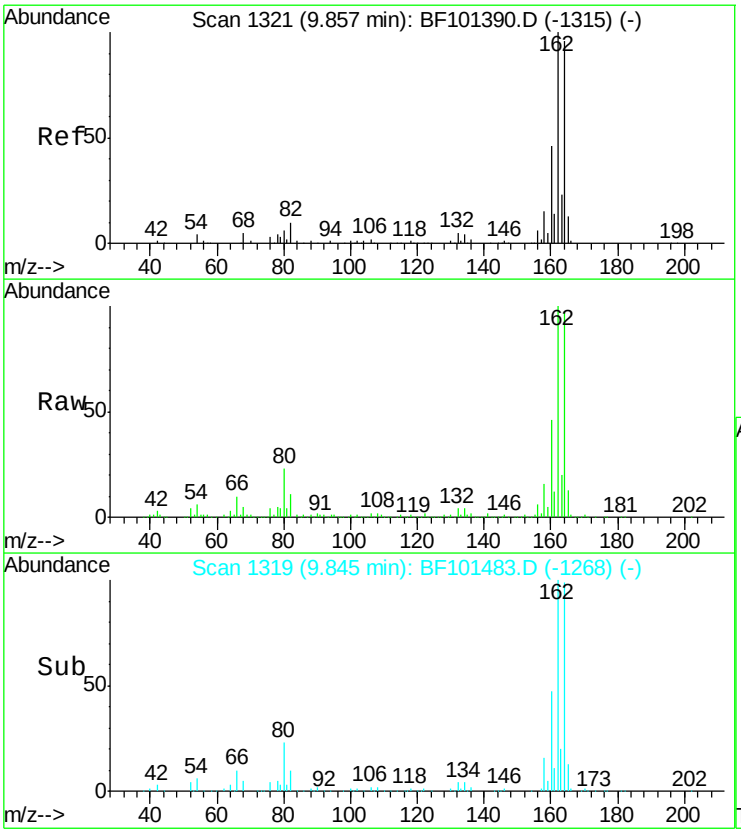
#37
2-Methylnaphthalene
Concen: 23.16 ng
RT: 8.80 min Scan# 1142
Delta R.T. -0.00 min
Lab File: BF101483.D
Acq: 18 Dec 2017 16:25

Instrument :
BNA_F
ClientSampleId :
CL-02-121417-B

Tgt Ion:142 Resp: 524881

Ion	Ratio	Lower	Upper
142	100		
141	88.7	70.8	106.2
115	32.7	26.1	39.1

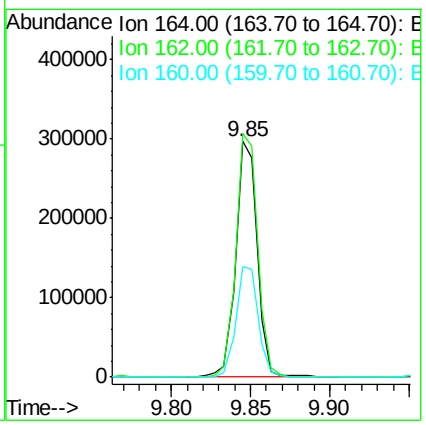


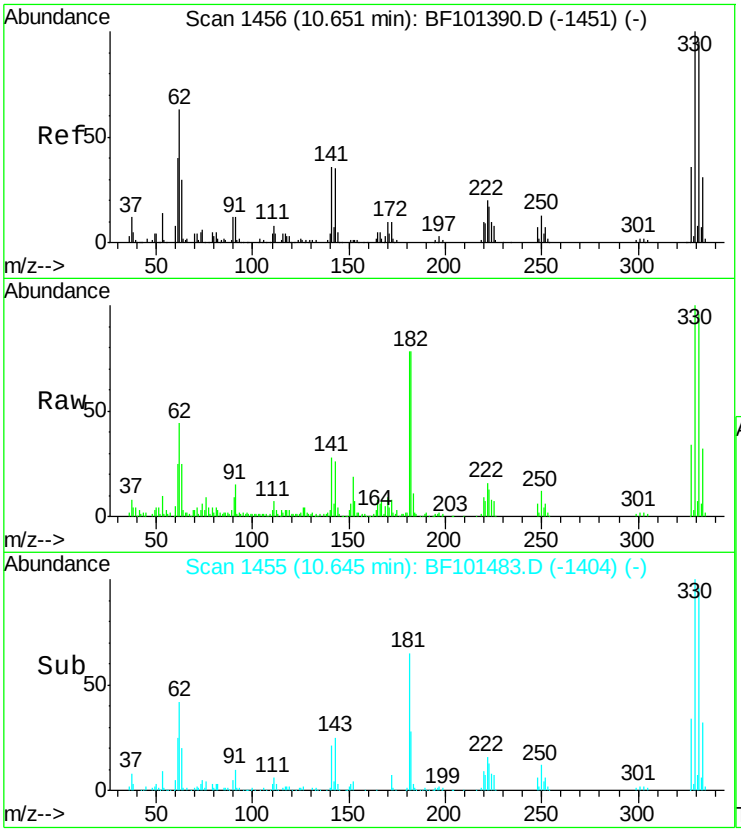


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.00 min
Lab File: BF101483.D
Acq: 18 Dec 2017 16:25

Tgt Ion:164 Resp: 278600

Ion	Ratio	Lower	Upper
164	100		
162	103.5	86.1	129.1
160	47.2	38.3	57.5



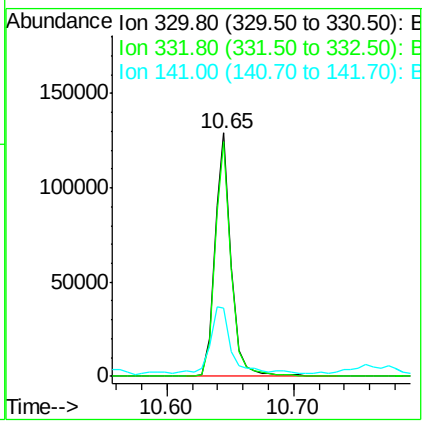


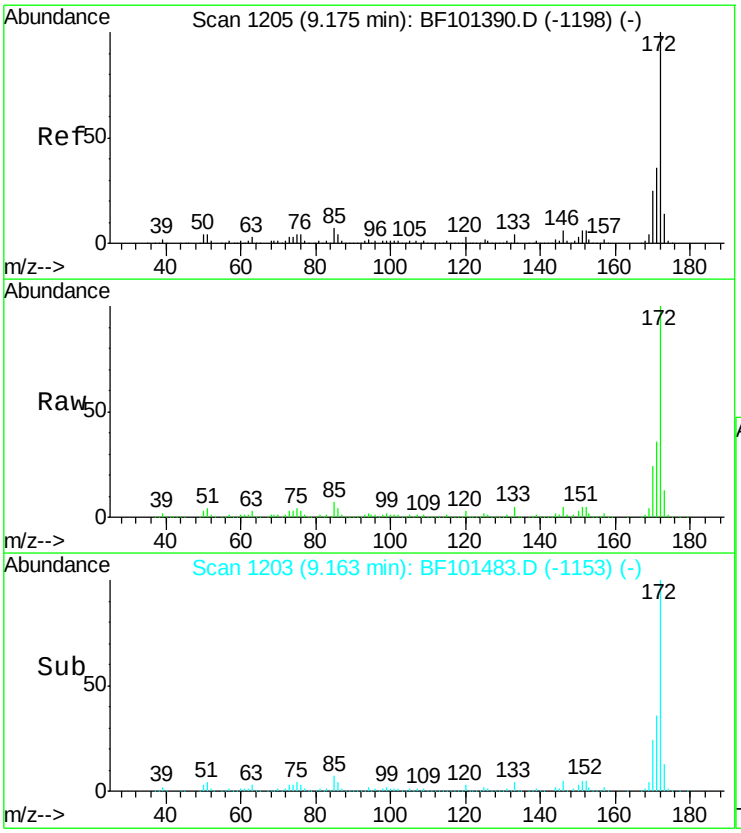
#41
2,4,6-Tribromophenol
Concen: 43.13 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.00 min
Lab File: BF101483.D
Acq: 18 Dec 2017 16:25

Instrument :
BNA_F
ClientSampleId :
CL-02-121417-B

Tgt Ion:330 Resp: 115788

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.0	115.6
141	33.9	29.9	44.9

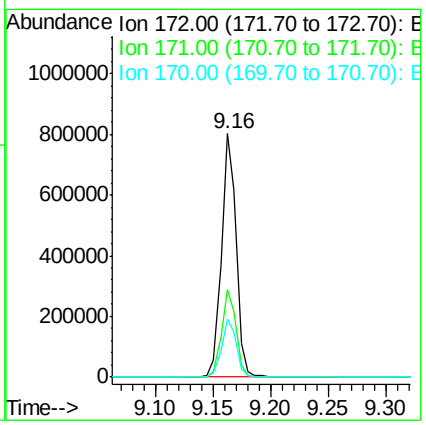


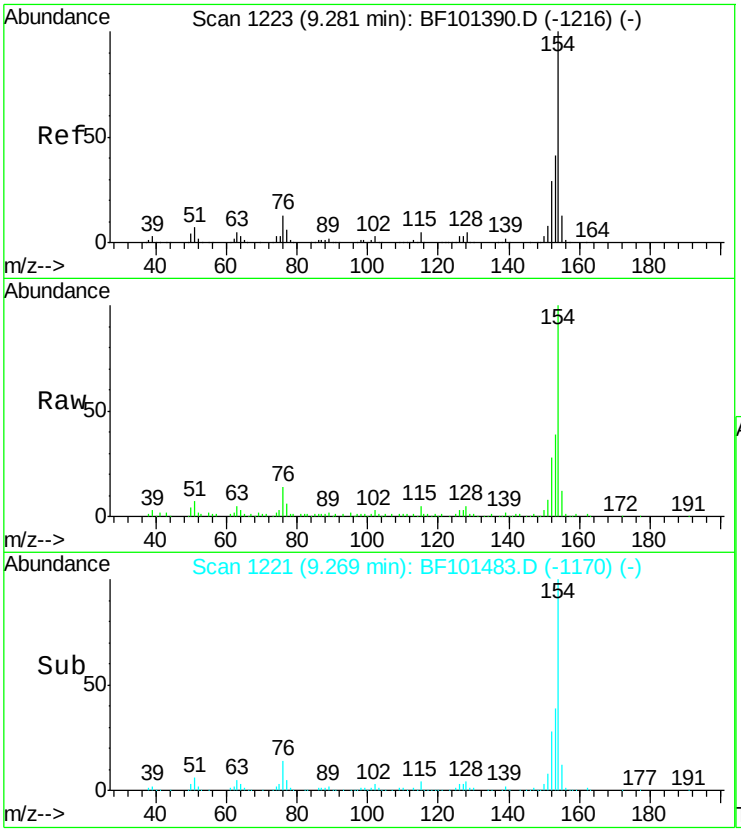


#44
2-Fluorobiphenyl
Concen: 39.28 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF101483.D
Acq: 18 Dec 2017 16:25

Tgt Ion:172 Resp: 705407

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	24.0	19.6	29.4



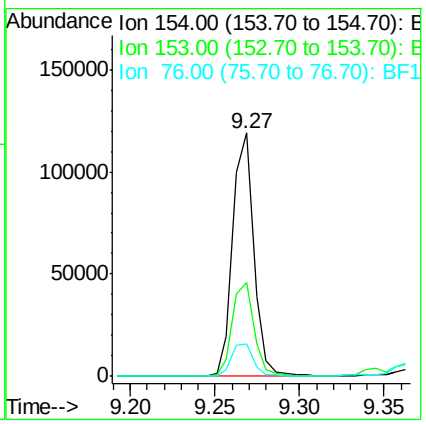


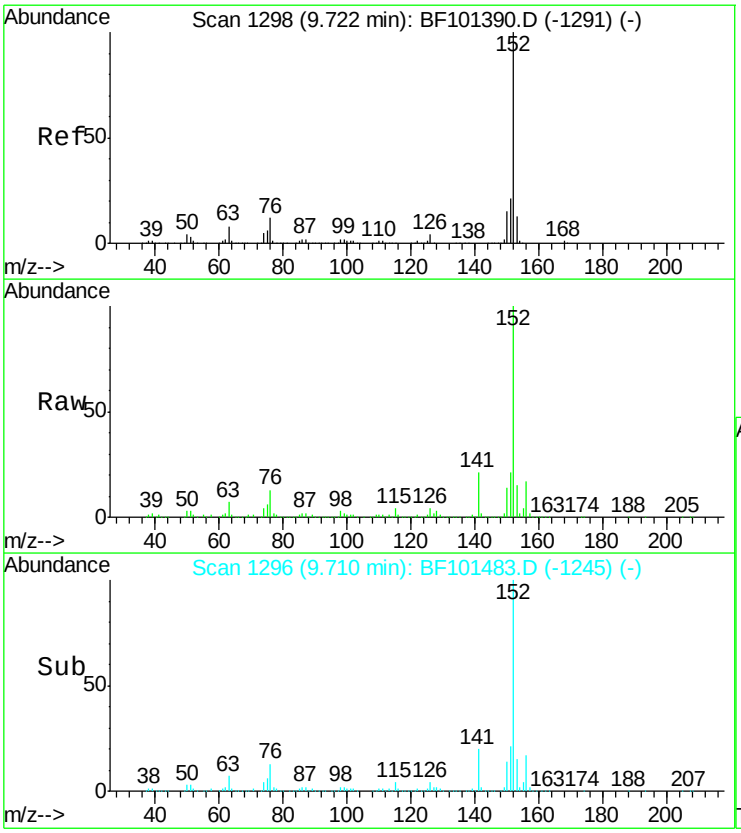
#45
1,1'-Biphenyl
Concen: 4.18 ng
RT: 9.27 min Scan# 1221
Delta R.T. -0.00 min
Lab File: BF101483.D
Acq: 18 Dec 2017 16:25

Instrument :
BNA_F
ClientSampleId :
CL-02-121417-B

Tgt Ion:154 Resp: 103309

Ion	Ratio	Lower	Upper
154	100		
153	38.8	21.3	61.3
76	13.6	0.0	34.0

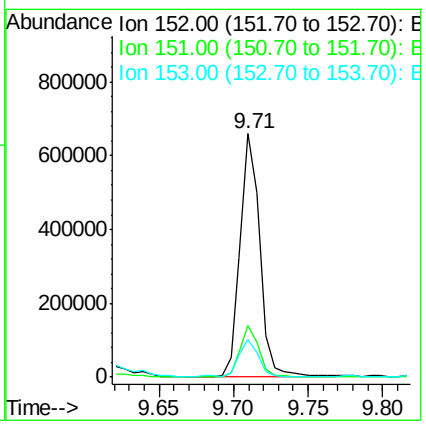


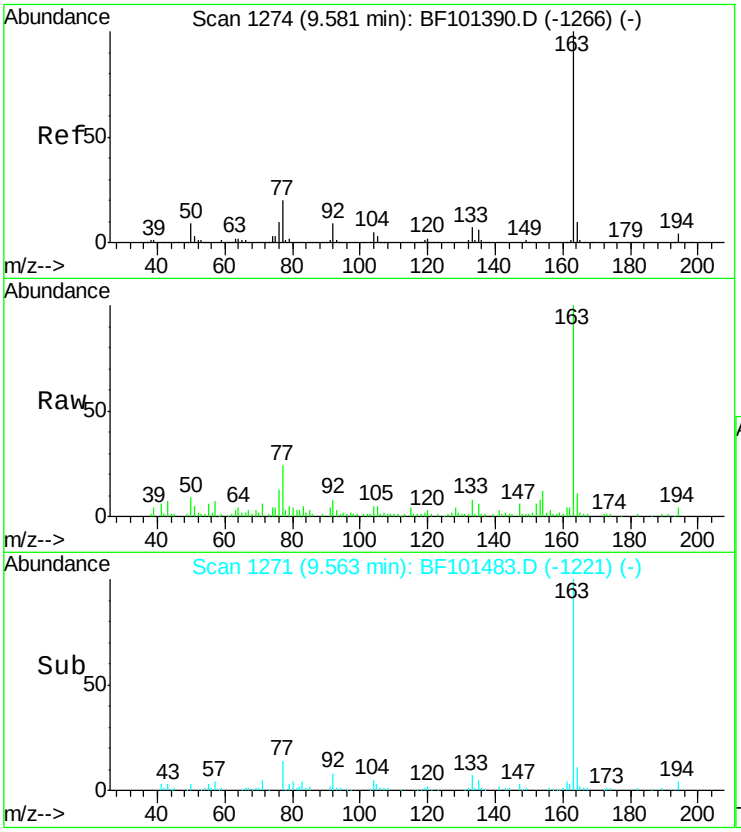


#48
Acenaphthylene
Concen: 20.45 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.00 min
Lab File: BF101483.D
Acq: 18 Dec 2017 16:25

Tgt Ion:152 Resp: 610759

Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.3	24.5
153	15.5	10.7	16.1



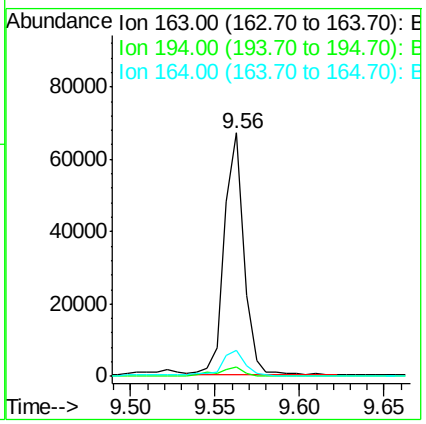


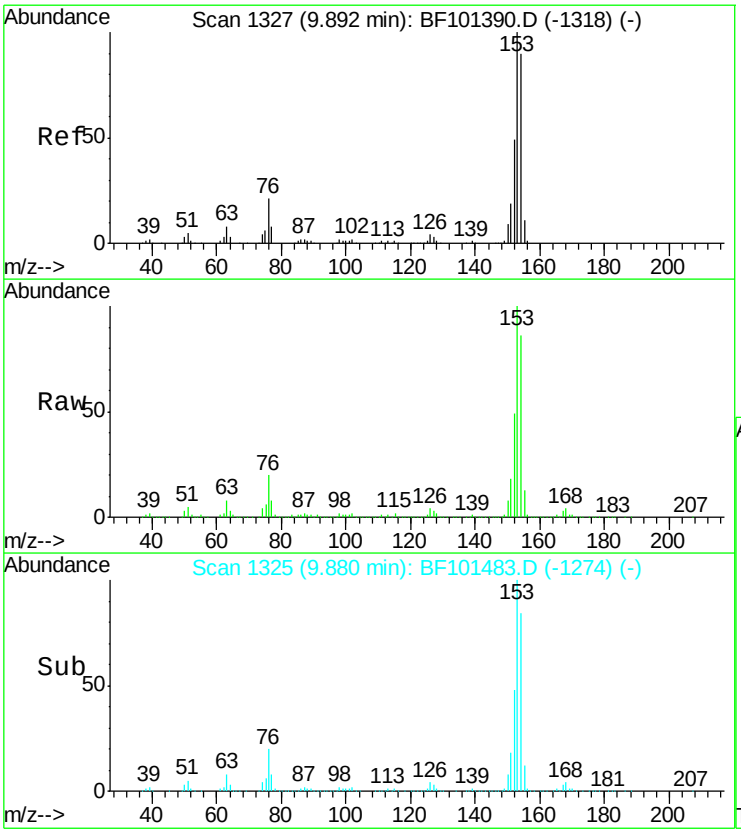
#49
Dimethylphthalate
Concen: 2.43 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF101483.D
Acq: 18 Dec 2017 16:25

Instrument :
BNA_F
ClientSampleId :
CL-02-121417-B

Tgt Ion:163 Resp: 54353

Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.7	4.1
164	10.9	8.2	12.2

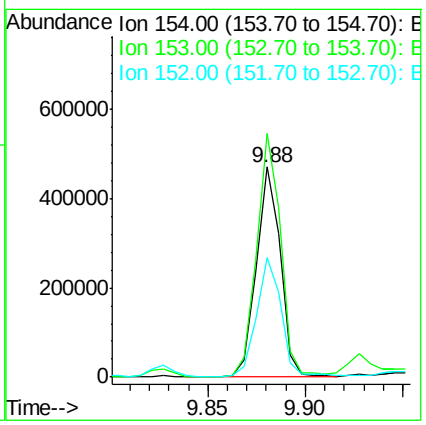


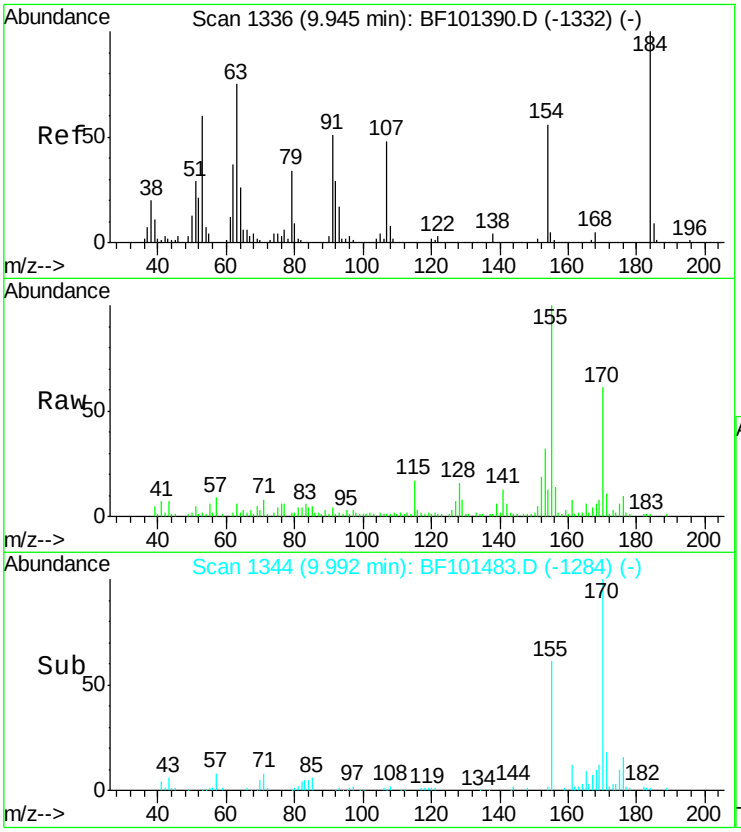


#51
Acenaphthene
Concen: 22.29 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.00 min
Lab File: BF101483.D
Acq: 18 Dec 2017 16:25

Tgt Ion:154 Resp: 399893

Ion	Ratio	Lower	Upper
154	100		
153	115.9	91.2	136.8
152	57.0	43.8	65.8



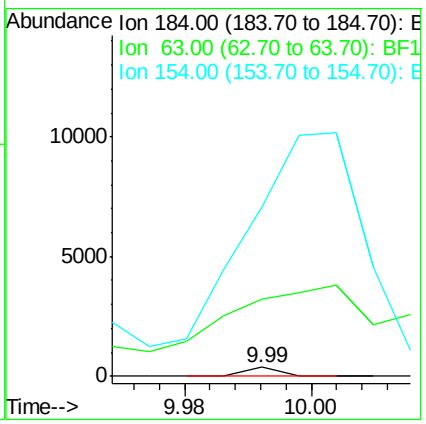


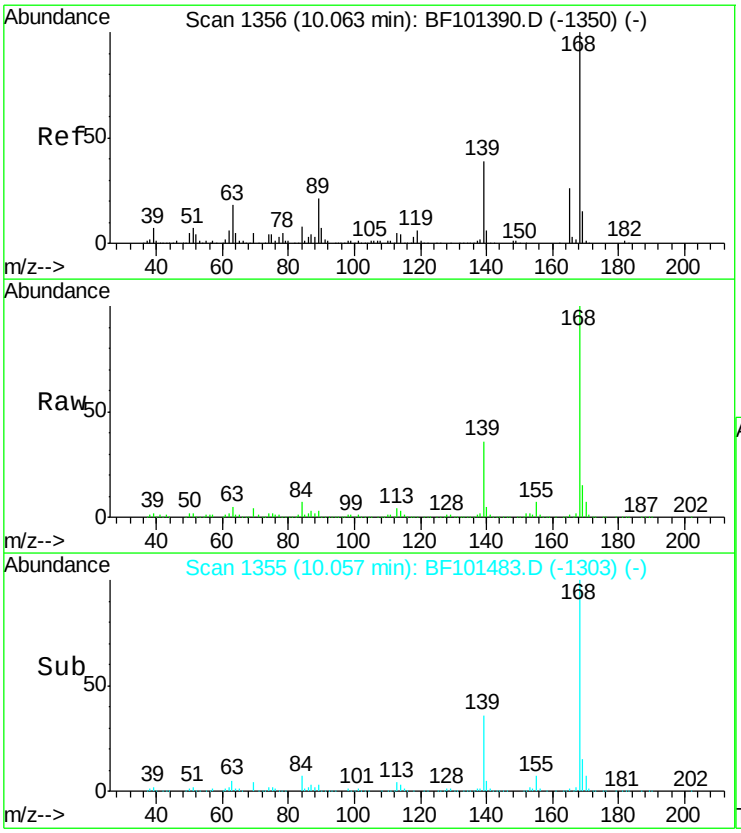
#53
2,4-Dinitrophenol
Concen: 10.39 ng
RT: 9.99 min Scan# 1344
Delta R.T. 0.05 min
Lab File: BF101483.D
Acq: 18 Dec 2017 16:25

Instrument :
BNA_F
ClientSampleId :
CL-02-121417-B

Tgt Ion:184 Resp: 131

Ion	Ratio	Lower	Upper
184	100		
63	870.4	54.2	81.2#
154	1905.4	184.0	276.0#

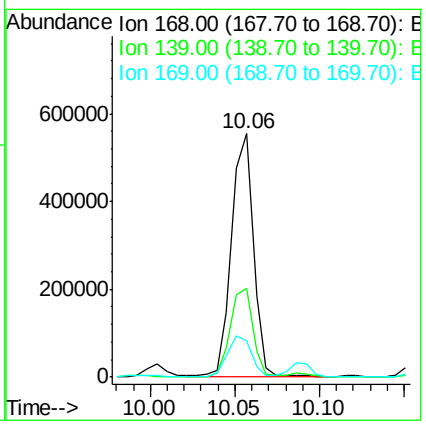


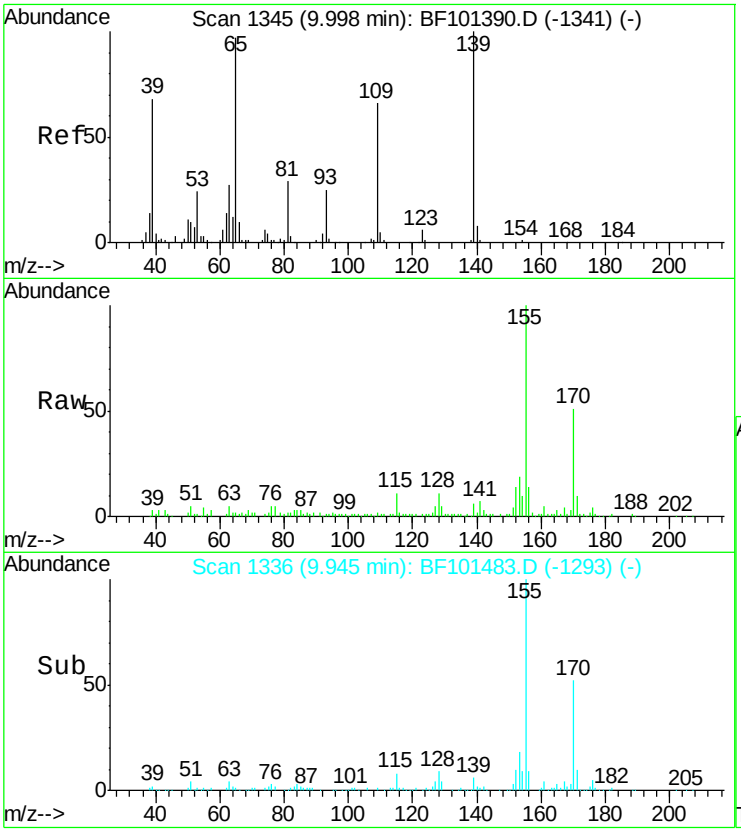


#54
Dibenzofuran
Concen: 21.75 ng
RT: 10.06 min Scan# 1355
Delta R.T. 0.01 min
Lab File: BF101483.D
Acq: 18 Dec 2017 16:25

Tgt Ion:168 Resp: 495953

Ion	Ratio	Lower	Upper
168	100		
139	36.4	30.1	45.1
169	15.1	10.9	16.3



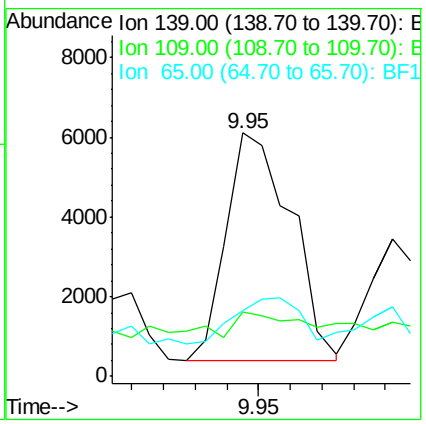


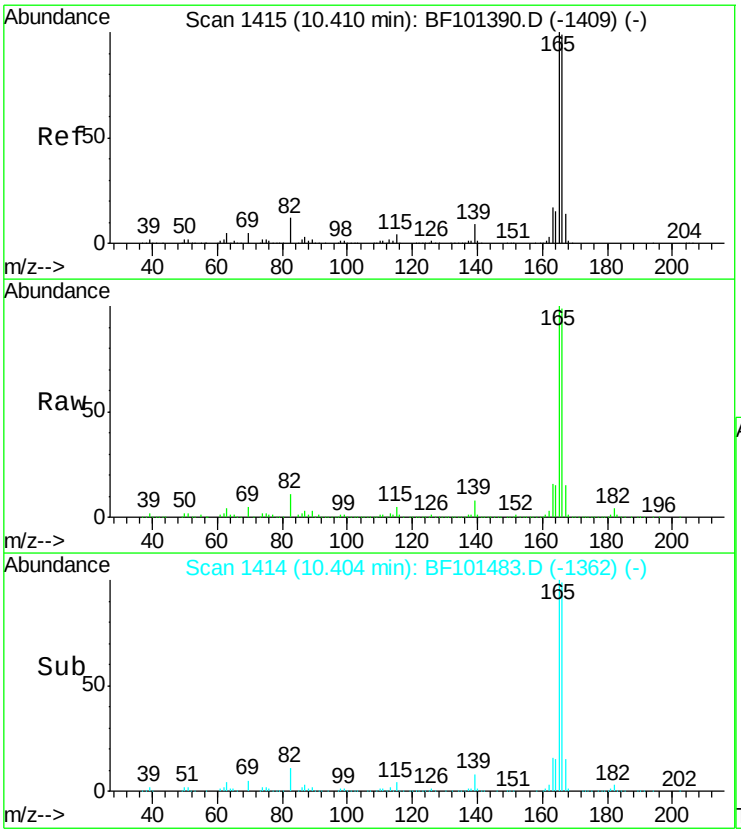
#55
4-Nitrophenol
Concen: 3.27 ng
RT: 9.95 min Scan# 1336
Delta R.T. -0.05 min
Lab File: BF101483.D
Acq: 18 Dec 2017 16:25

Instrument :
BNA_F
ClientSampleId :
CL-02-121417-B

Tgt Ion:139 Resp: 8085

Ion	Ratio	Lower	Upper
139	100		
109	26.6	48.4	88.4#
65	27.2	72.6	112.6#

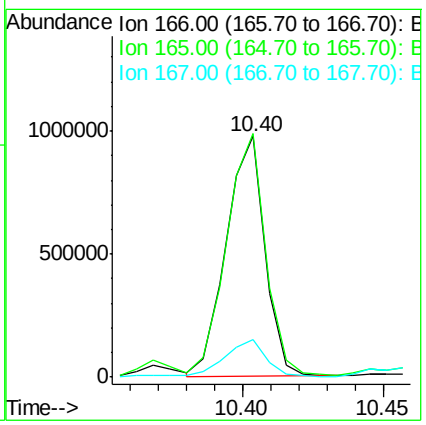


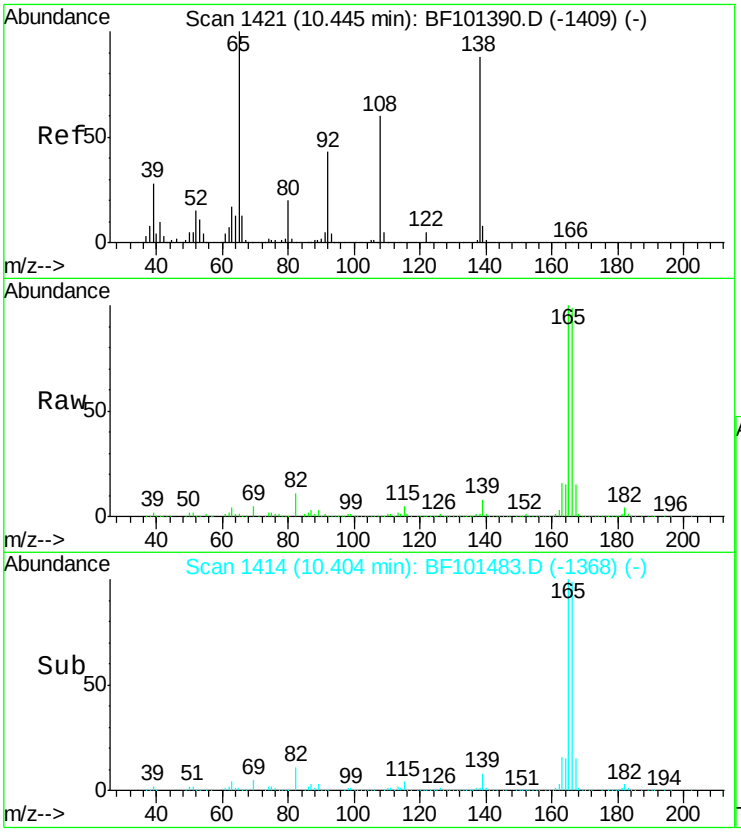


#57
Fluorene
Concen: 48.12 ng
RT: 10.40 min Scan# 1414
Delta R.T. 0.01 min
Lab File: BF101483.D
Acq: 18 Dec 2017 16:25

Tgt Ion:166 Resp: 928092

Ion	Ratio	Lower	Upper
166	100		
165	101.1	79.8	119.8
167	15.5	10.6	16.0



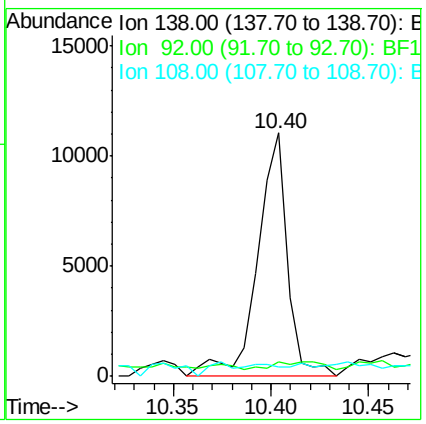


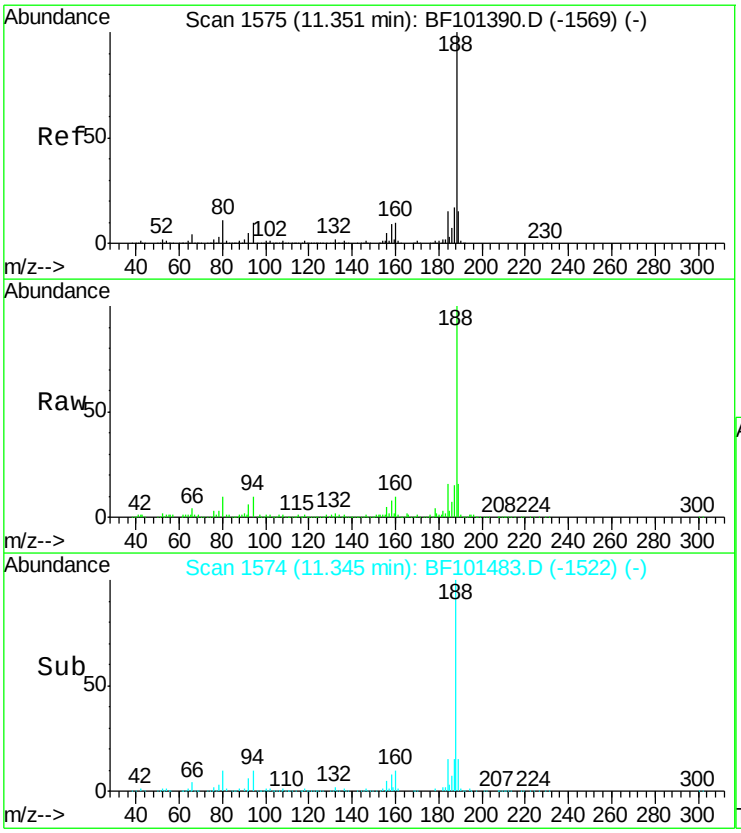
#61
4-Nitroaniline
Concen: 2.05 ng
RT: 10.40 min Scan# 1414
Delta R.T. -0.03 min
Lab File: BF101483.D
Acq: 18 Dec 2017 16:25

Instrument :
BNA_F
ClientSampleId :
CL-02-121417-B

Tgt Ion:138 Resp: 11701

Ion	Ratio	Lower	Upper
138	100		
92	6.2	30.2	70.2#
108	3.9	52.5	92.5#

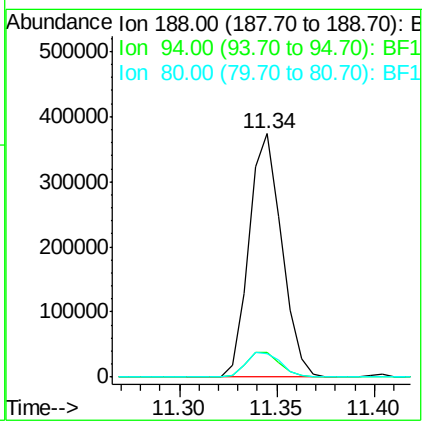


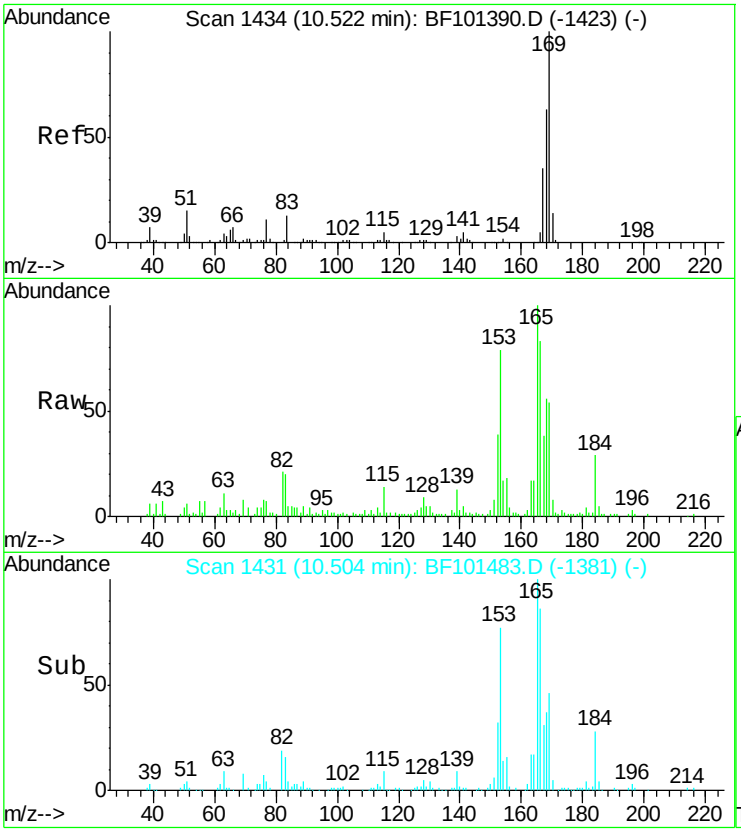


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 1574
Delta R.T. 0.01 min
Lab File: BF101483.D
Acq: 18 Dec 2017 16:25

Tgt Ion:188 Resp: 434187

Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.5	12.7
80	9.9	9.2	13.8



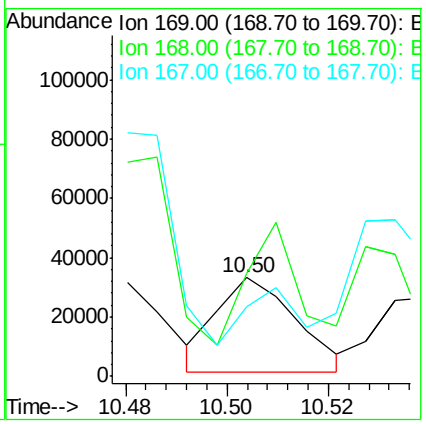


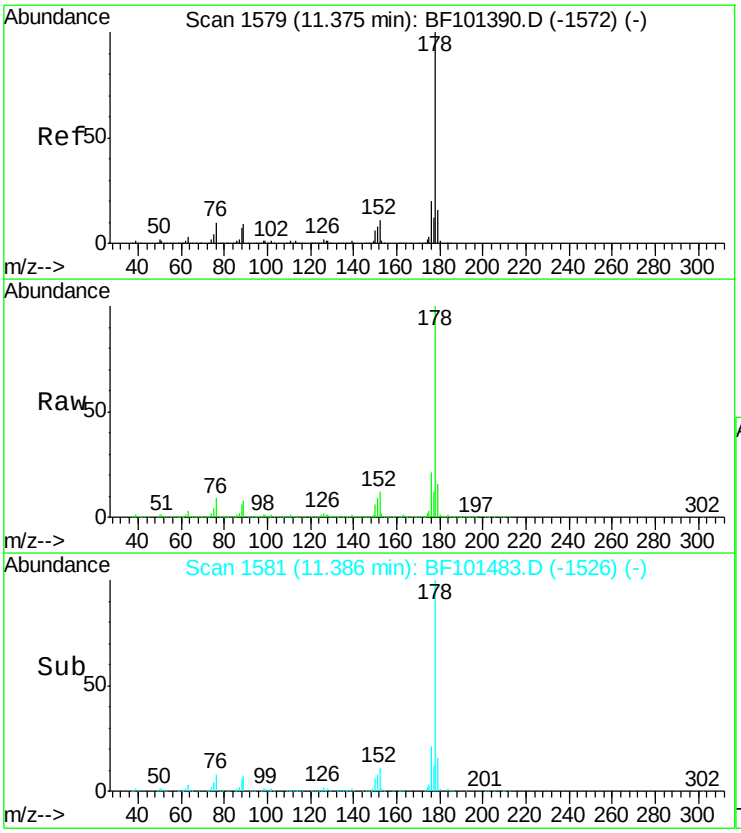
#65
n-Nitrosodiphenylamine
Concen: 2.16 ng
RT: 10.50 min Scan# 1431
Delta R.T. -0.01 min
Lab File: BF101483.D
Acq: 18 Dec 2017 16:25

Instrument :
BNA_F
ClientSampleId :
CL-02-121417-B

Tgt Ion:169 Resp: 34551

Ion	Ratio	Lower	Upper
169	100		
168	104.5	54.4	81.6#
167	70.9	29.8	44.6#

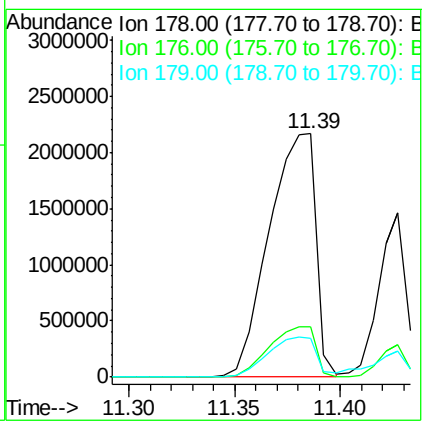


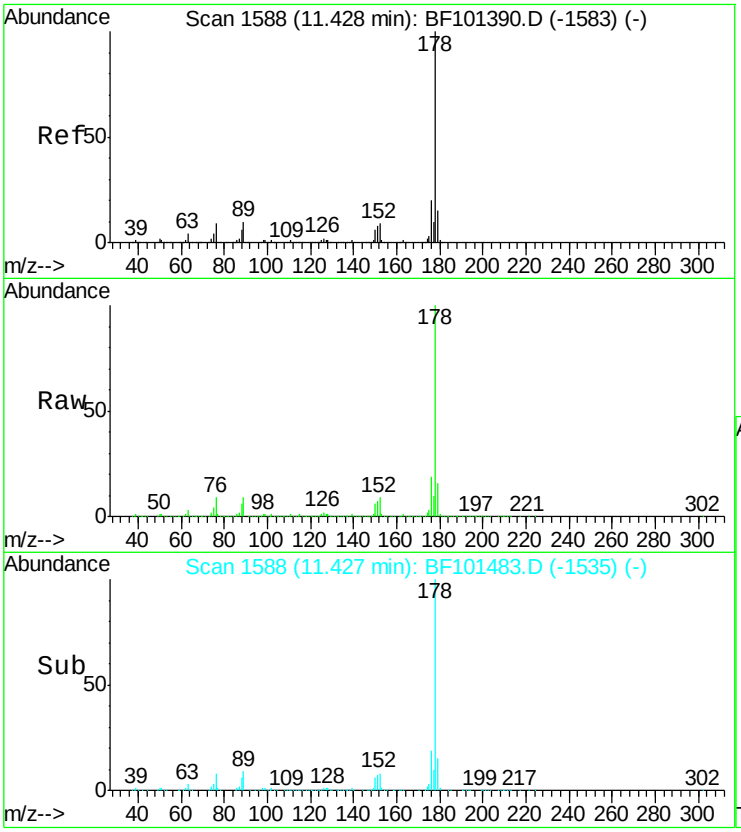


#70
Phenanthrene
Concen: 138.74 ng
RT: 11.39 min Scan# 1581
Delta R.T. 0.02 min
Lab File: BF101483.D
Acq: 18 Dec 2017 16:25

Tgt Ion:178 Resp: 3349961

Ion	Ratio	Lower	Upper
178	100		
176	20.9	15.8	23.8
179	16.2	13.0	19.6



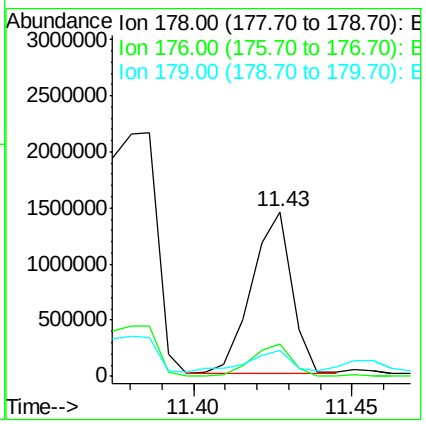


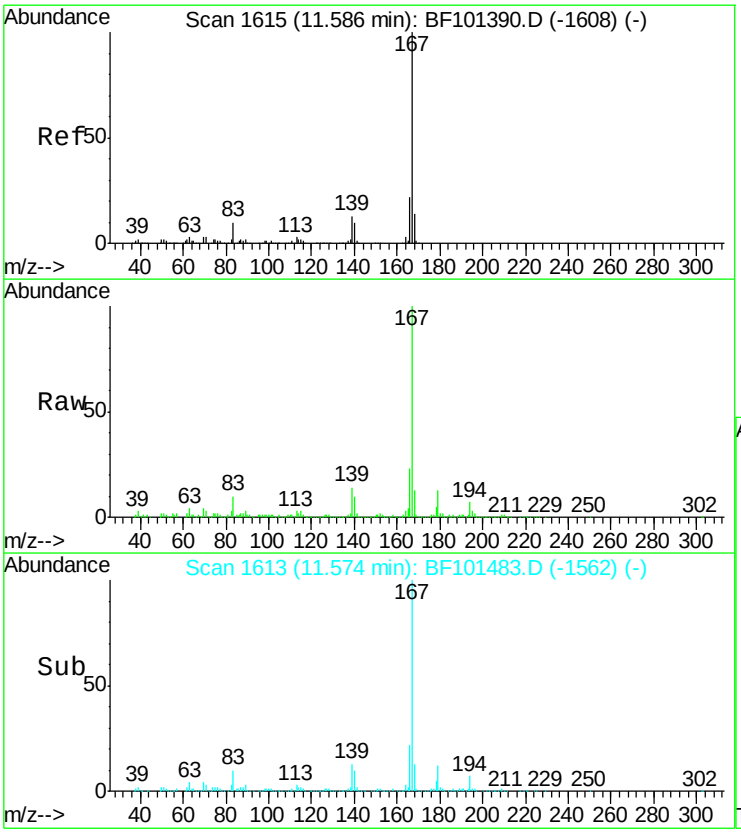
#71
Anthracene
Concen: 51.41 ng
RT: 11.43 min Scan# 1588
Delta R.T. 0.01 min
Lab File: BF101483.D
Acq: 18 Dec 2017 16:25

Instrument :
BNA_F
ClientSampleId :
CL-02-121417-B

Tgt Ion:178 Resp: 1267973

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.4	23.2
179	15.5	12.6	19.0

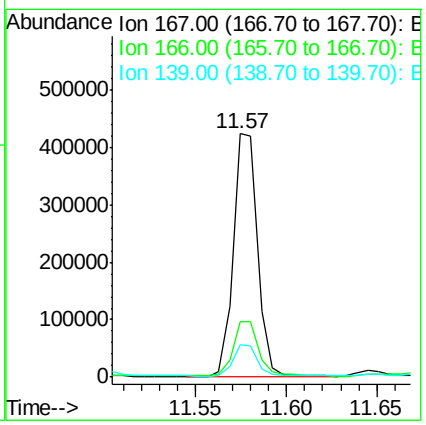


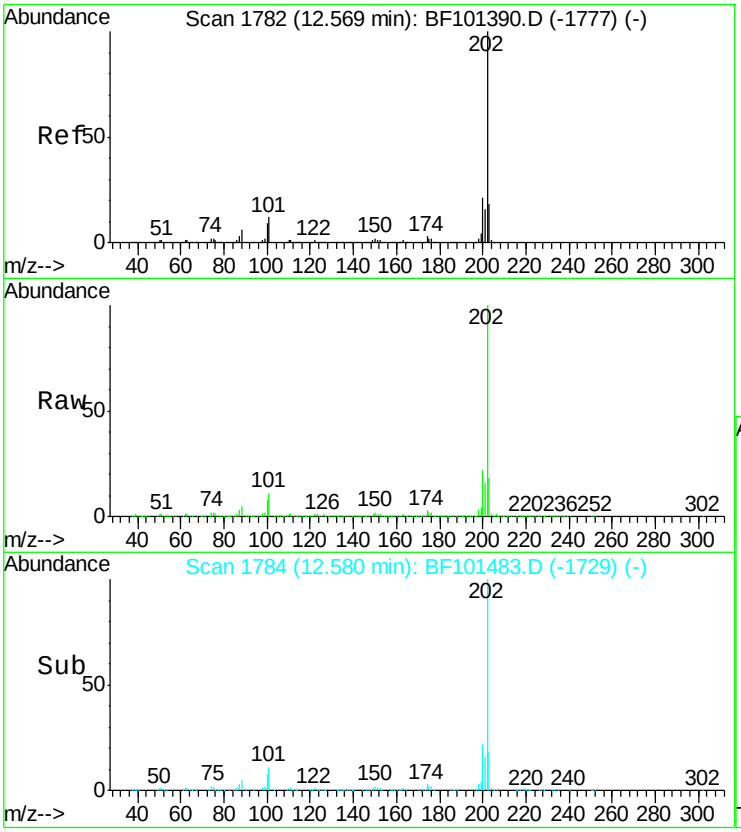


#72
Carbazole
Concen: 16.96 ng
RT: 11.57 min Scan# 1613
Delta R.T. -0.00 min
Lab File: BF101483.D
Acq: 18 Dec 2017 16:25

Tgt Ion:167 Resp: 391719

Ion	Ratio	Lower	Upper
167	100		
166	22.9	17.6	26.4
139	13.5	10.9	16.3



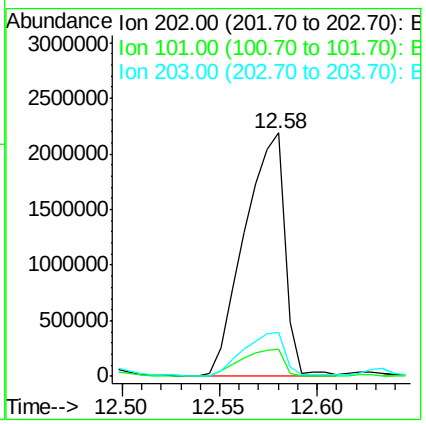


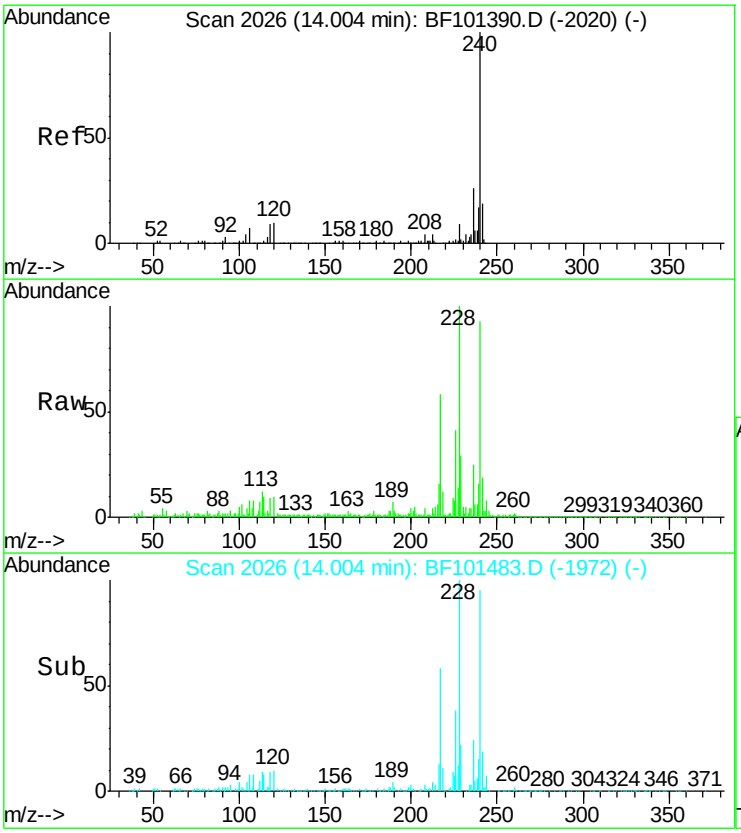
#74
Fluoranthene
Concen: 123.42 ng
RT: 12.58 min Scan# 1784
Delta R.T. 0.02 min
Lab File: BF101483.D
Acq: 18 Dec 2017 16:25

Instrument :
BNA_F
ClientSampleId :
CL-02-121417-B

Tgt Ion:202 Resp: 3127935

Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	34.1
203	18.1	0.0	38.1

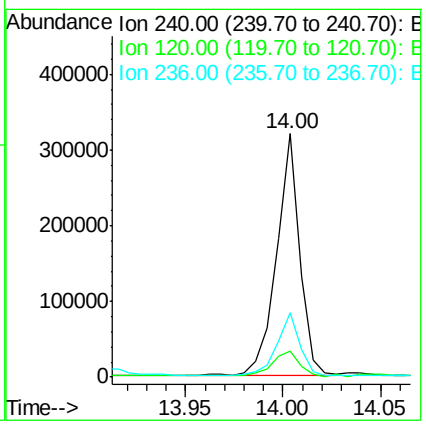


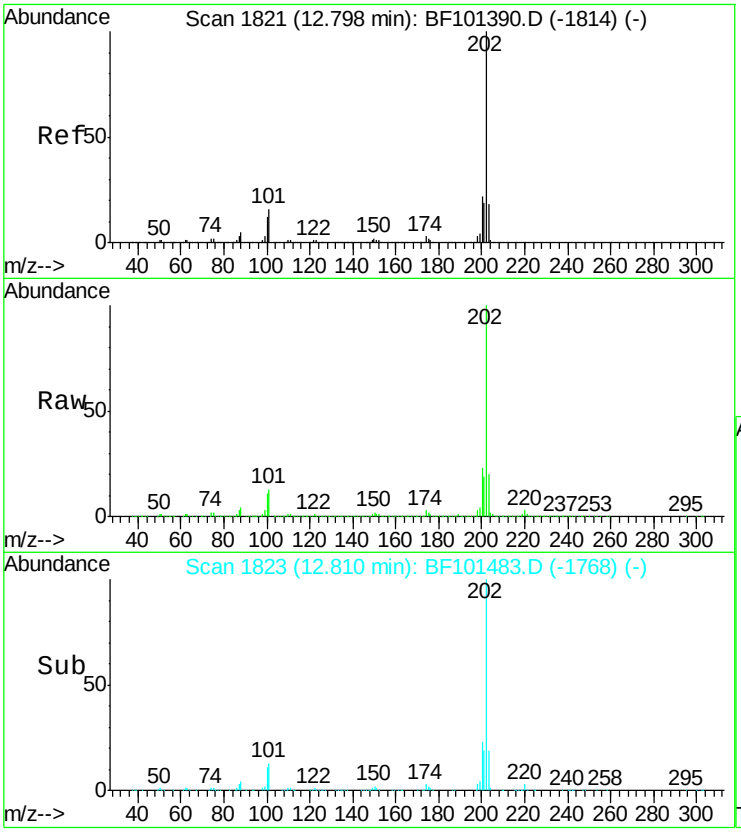


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.00 min Scan# 2026
Delta R.T. 0.02 min
Lab File: BF101483.D
Acq: 18 Dec 2017 16:25

Tgt Ion:240 Resp: 261551

Ion	Ratio	Lower	Upper
240	100		
120	10.9	9.5	14.3
236	26.5	20.7	31.1



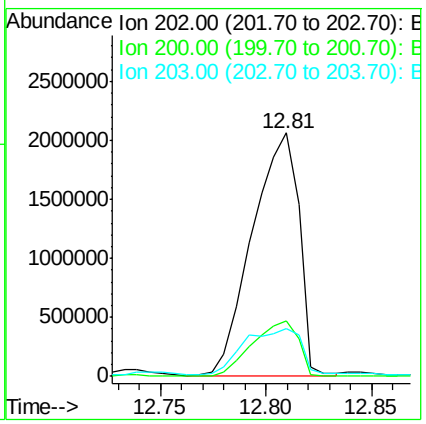


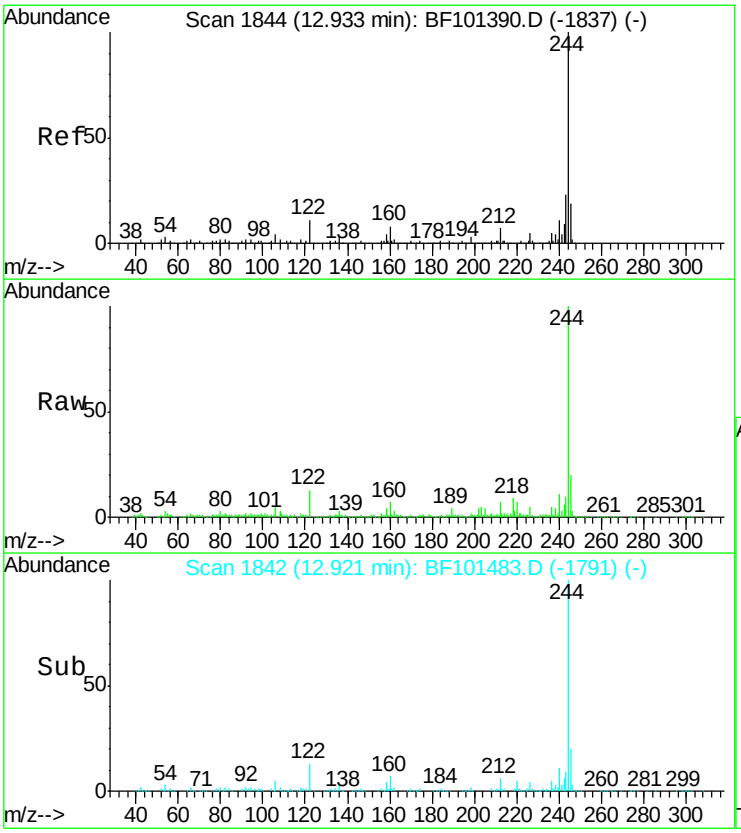
#77
Pyrene
Concen: 160.25 ng
RT: 12.81 min Scan# 1823
Delta R.T. 0.02 min
Lab File: BF101483.D
Acq: 18 Dec 2017 16:25

Instrument :
BNA_F
ClientSampleId :
CL-02-121417-B

Tgt Ion:202 Resp: 3145687

Ion	Ratio	Lower	Upper
202	100		
200	22.8	17.4	26.2
203	19.9	14.3	21.5

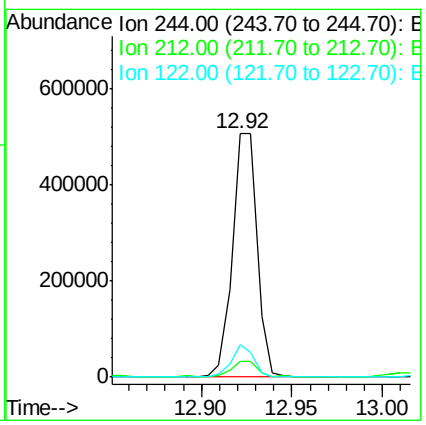


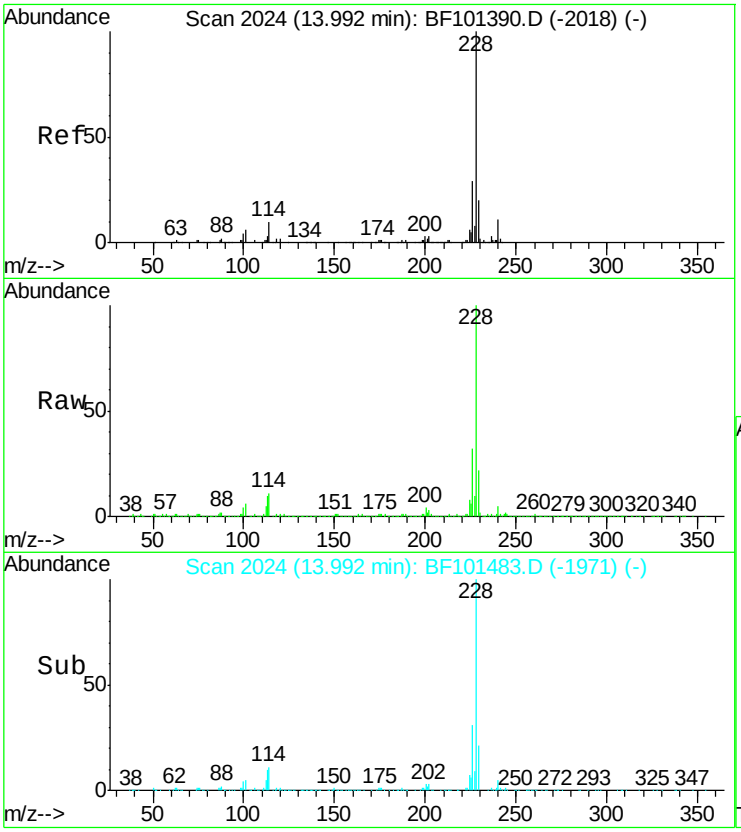


#78
Terphenyl-d14
Concen: 44.17 ng
RT: 12.92 min Scan# 1842
Delta R.T. -0.00 min
Lab File: BF101483.D
Acq: 18 Dec 2017 16:25

Tgt Ion:244 Resp: 479222

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	13.1	11.0	16.4



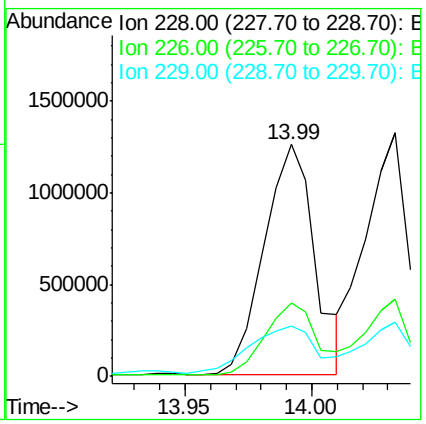


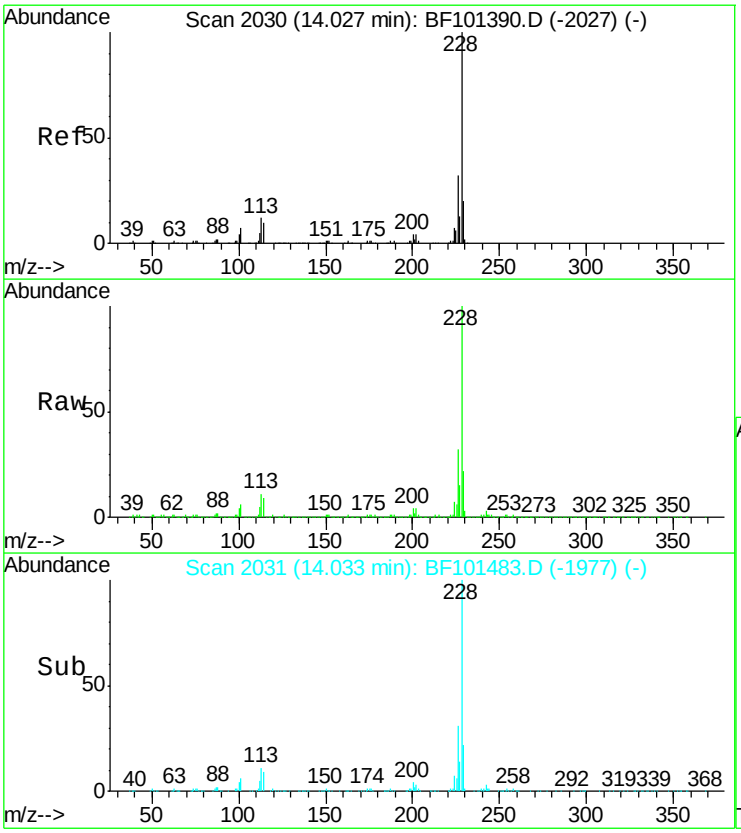
#80
Benzo(a)anthracene
Concen: 101.74 ng
RT: 13.99 min Scan# 2024
Delta R.T. 0.01 min
Lab File: BF101483.D
Acq: 18 Dec 2017 16:25

Instrument :
BNA_F
ClientSampleId :
CL-02-121417-B

Tgt Ion:228 Resp: 1757111

Ion	Ratio	Lower	Upper
228	100		
226	31.9	22.6	33.8
229	21.8	15.8	23.6

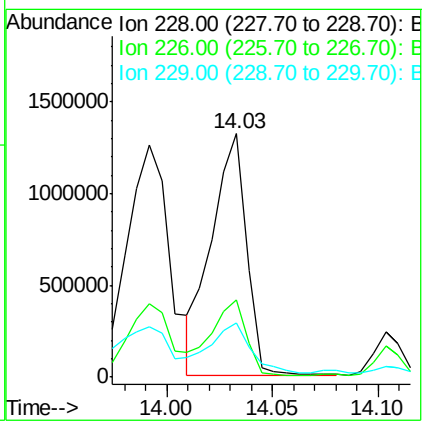


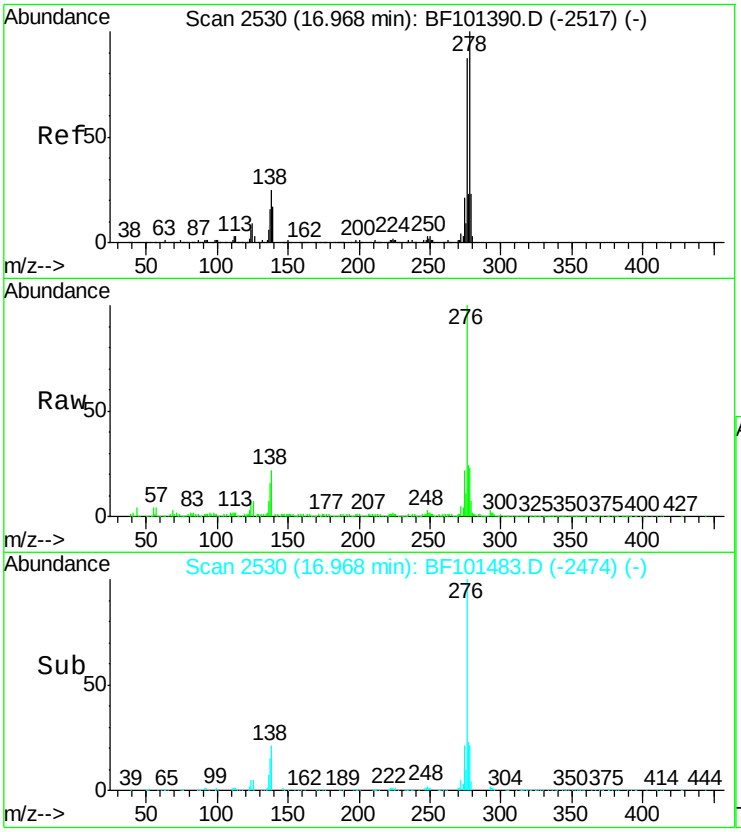


#82
Chrysene
Concen: 93.10 ng
RT: 14.03 min Scan# 2031
Delta R.T. 0.02 min
Lab File: BF101483.D
Acq: 18 Dec 2017 16:25

Tgt Ion:228 Resp: 1518117

Ion	Ratio	Lower	Upper
228	100		
226	31.7	25.0	37.6
229	22.5	16.2	24.4



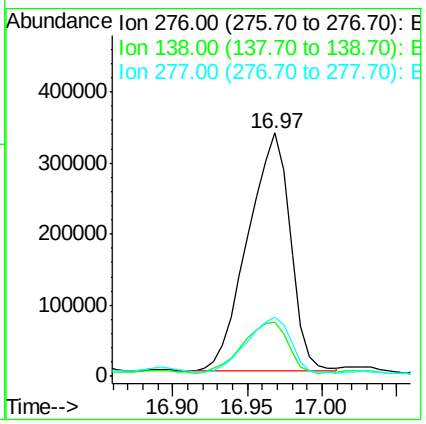


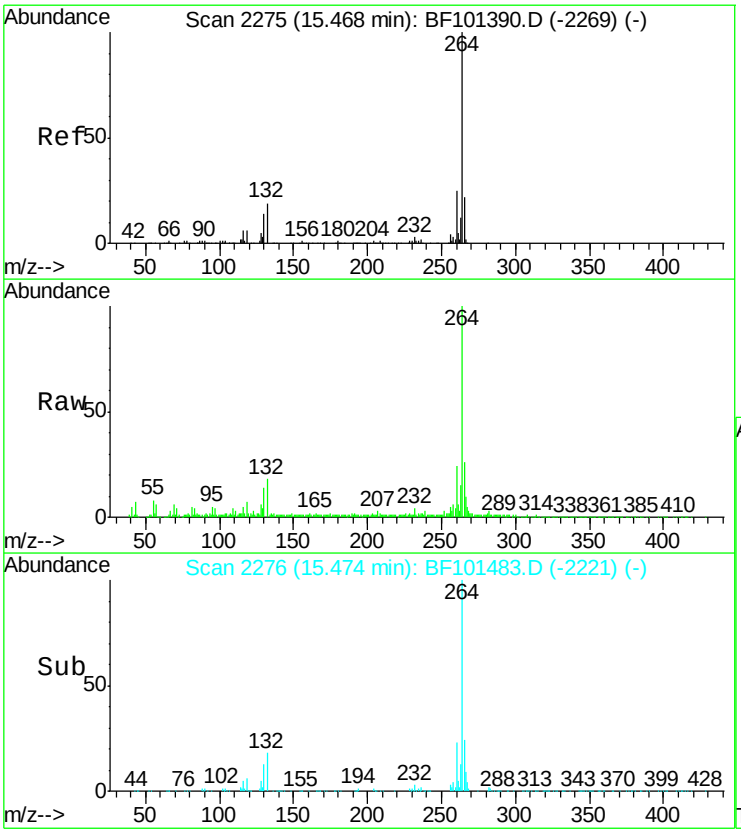
#85
Indeno(1,2,3-cd)pyrene
Concen: 45.65 ng
RT: 16.97 min Scan# 2530
Delta R.T. 0.03 min
Lab File: BF101483.D
Acq: 18 Dec 2017 16:25

Instrument :
BNA_F
ClientSampleId :
CL-02-121417-B

Tgt Ion:276 Resp: 662910

Ion	Ratio	Lower	Upper
276	100		
138	23.0	25.0	37.6#
277	24.2	20.1	30.1

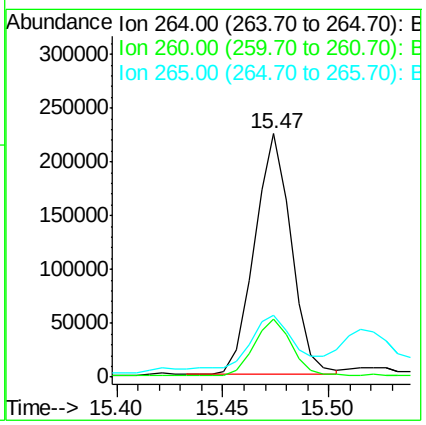


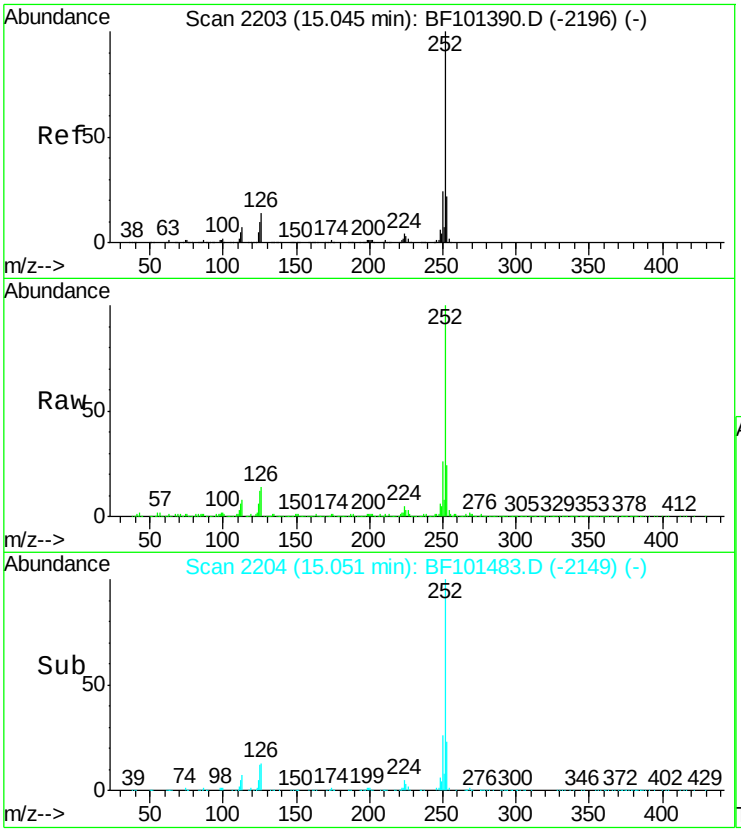


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.02 min
Lab File: BF101483.D
Acq: 18 Dec 2017 16:25

Tgt Ion:264 Resp: 267361

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	25.6	17.5	26.3



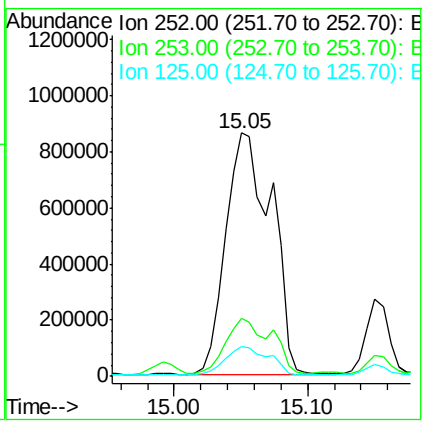


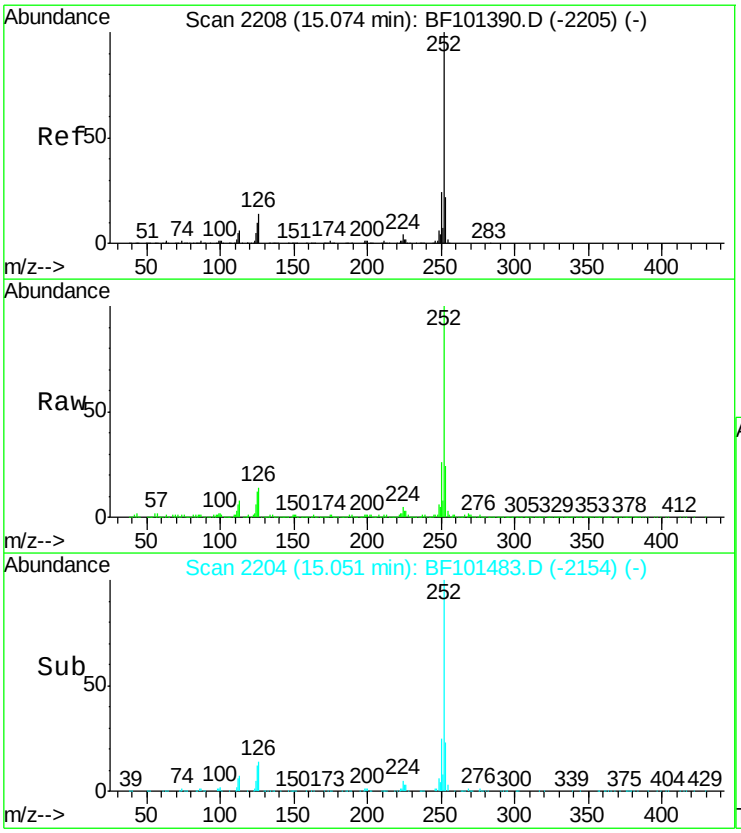
#87
Benzo(b)fluoranthene
Concen: 125.94 ng
RT: 15.05 min Scan# 2204
Delta R.T. 0.02 min
Lab File: BF101483.D
Acq: 18 Dec 2017 16:25

Instrument :
BNA_F
ClientSampleId :
CL-02-121417-B

Tgt Ion:252 Resp: 2052273

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.0	25.6
125	12.3	9.0	13.6

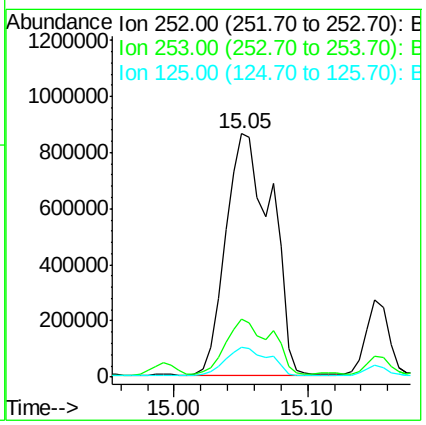


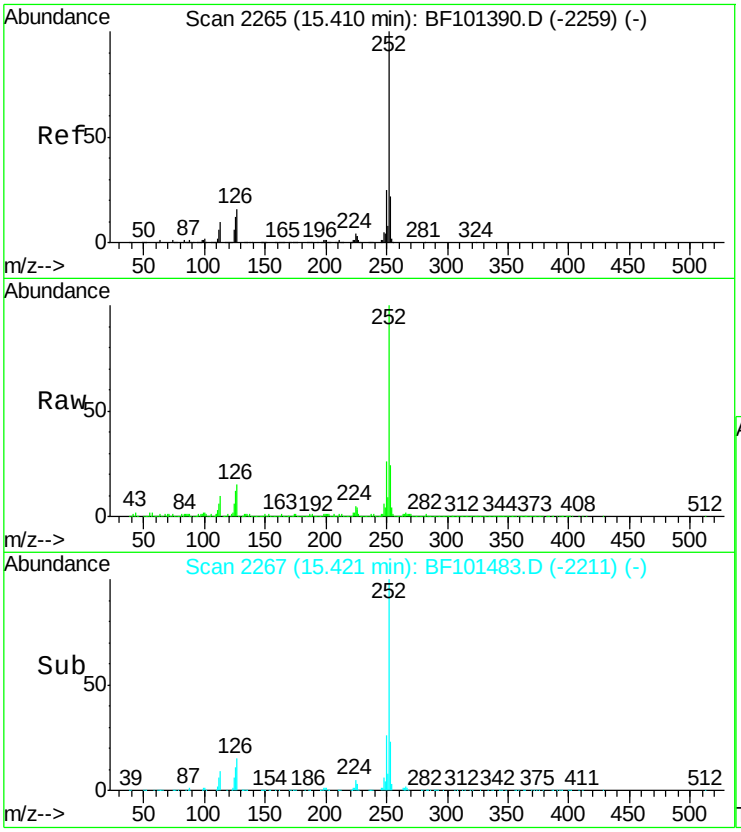


#88
Benzo(k)fluoranthene
Concen: 129.53 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.01 min
Lab File: BF101483.D
Acq: 18 Dec 2017 16:25

Tgt Ion:252 Resp: 2052273

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	12.3	10.2	15.2



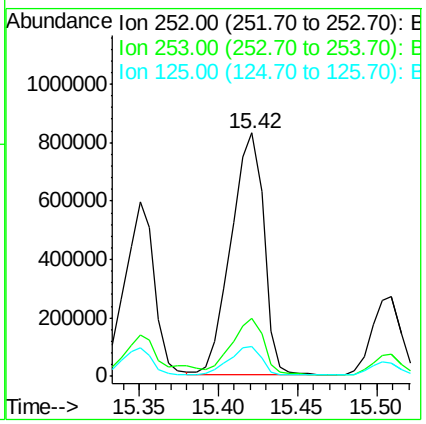


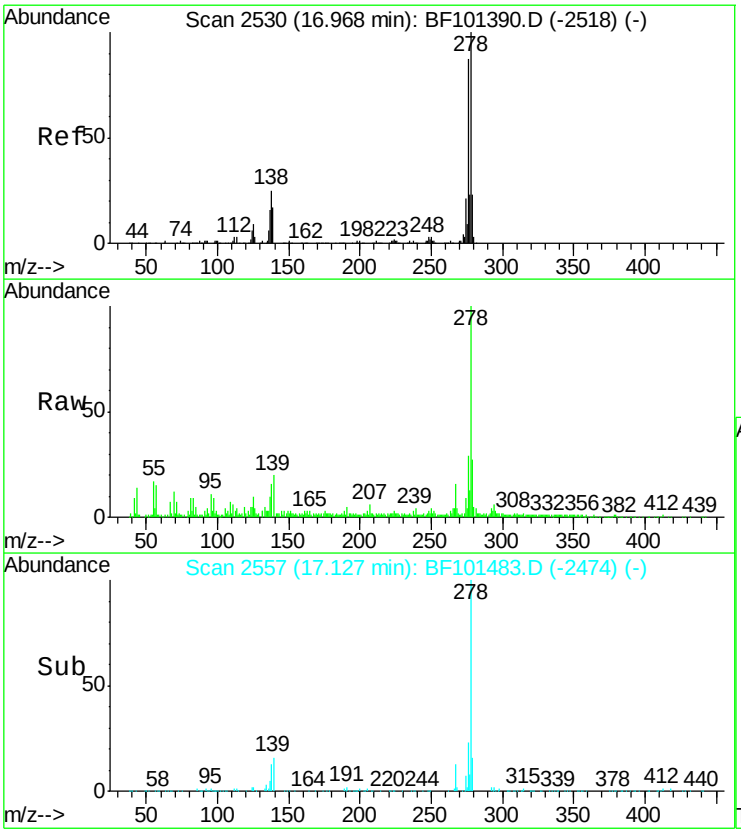
#89
Benzo(a)pyrene
Concen: 78.87 ng
RT: 15.42 min Scan# 2267
Delta R.T. 0.03 min
Lab File: BF101483.D
Acq: 18 Dec 2017 16:25

Instrument :
BNA_F
ClientSampleId :
CL-02-121417-B

Tgt Ion:252 Resp: 1184850

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.1	25.7
125	12.0	9.8	14.6

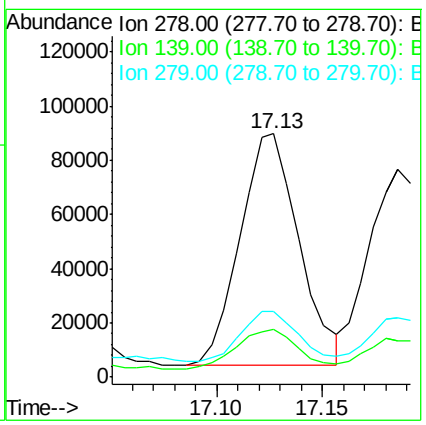


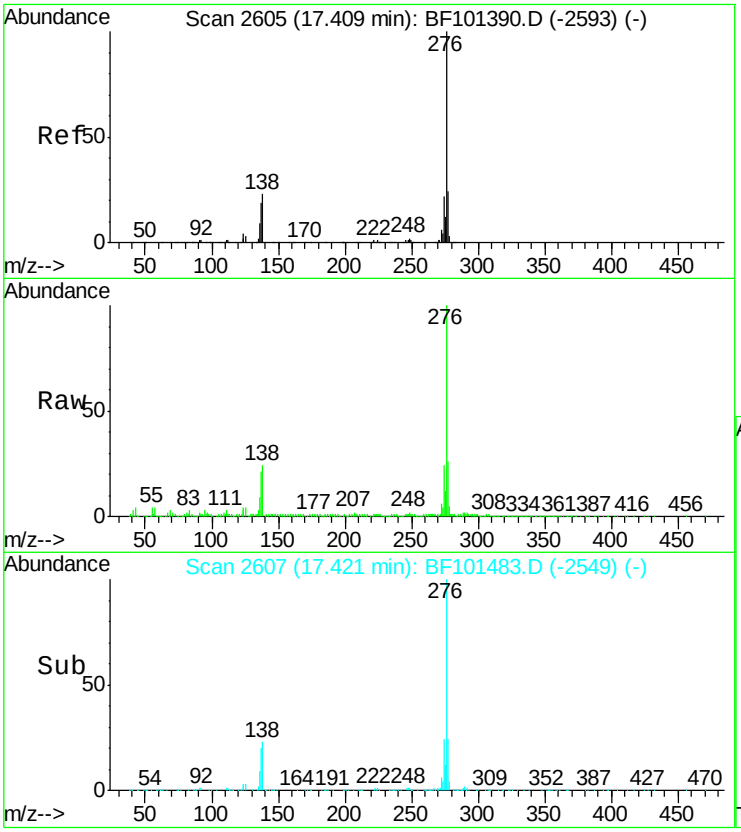


#90
Dibenzo(a,h)anthracene
Concen: 12.81 ng
RT: 17.13 min Scan# 2557
Delta R.T. 0.19 min
Lab File: BF101483.D
Acq: 18 Dec 2017 16:25

Tgt Ion:278 Resp: 165207

Ion	Ratio	Lower	Upper
278	100		
139	19.7	15.9	23.9
279	27.1	19.0	28.4





#91
Benzo(g,h,i)perylene
Concen: 50.04 ng
RT: 17.42 min Scan# 2607
Delta R.T. 0.04 min
Lab File: BF101483.D
Acq: 18 Dec 2017 16:25

Instrument :
BNA_F
ClientSampleId :
CL-02-121417-B

Tgt Ion:276 Resp: 639130

Ion	Ratio	Lower	Upper
276	100		
277	25.8	17.9	26.9
138	23.9	21.8	32.8