Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF101018\
Data File : BF109758.D
Acq On : 10 Oct 2018 22:37
Operator : JU/SJ
Sample : J5200-05 4X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-03-100818-A

Quant Time: Oct 11 05:48:40 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 08 16:02:11 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	83403	20.00	ng		0.00
21) Naphthalene-d8	7.97	136	367033	20.00	ng		0.00
38) Acenaphthene-d10	9.72	164	159580	20.00	ng		0.00
63) Phenanthrene-d10	11.20	188	265592	20.00	ng		0.00
75) Chrysene-d12	13.83	240	212352	20.00	ng		0.00
86) Perylene-d12	15.23	264	188391	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.31	112	93168	19.83	ng		-0.01
7) Phenol-d6	6.35	99	142104	22.64	ng		-0.01
23) Nitrobenzene-d5	7.26	82	90553	13.60	ng		-0.01
41) 2,4,6-Tribromophenol	10.51	330	34972	20.11	ng		0.00
44) 2-Fluorobiphenyl	9.05	172	198376	17.12	ng		-0.01
78) Terphenyl-d14	12.78	244	147312	13.43	ng		0.00
Target Compounds							Qvalue
19) n-Nitroso-di-n-propylamine	7.26	70	10948	2.487	ng	#	77
25) Isophorone	7.26	82	90553	8.190	ng	#	67
31) Naphthalene	8.00	128	51992	3.063	ng		97
37) 2-Methylnaphthalene	8.69	142	22415	2.016	ng		99
49) Dimethylphthalate	9.45	163	27082	2.314	ng		100
50) 2,6-Dinitrotoluene	9.72	165	21648	8.533	ng	#	23
51) Acenaphthene	9.75	154	39583	4.288	ng		98
54) Dibenzofuran	9.93	168	32527	2.351	ng	#	93
55) 4-Nitrophenol	9.93	139	13558	8.710	ng	#	6
56) 2,4-Dinitrotoluene	9.72	165	22115	6.985	ng	#	19
57) Fluorene	10.27	166	64068	6.201	ng		98
70) Phenanthrene	11.23	178	435827	32.791	ng		100
71) Anthracene	11.28	178	129917	9.456	ng		99
72) Carbazole	11.45	167	44171	3.315	ng		97
74) Fluoranthene	12.41	202	502749	36.208	ng		98
77) Pyrene	12.63	202	452779	29.102	ng		98
80) Benzo(a)anthracene	13.82	228	223382	19.062	ng		98
82) Chrysene	13.86	228	216651	17.601	ng		98
85) Indeno(1,2,3-cd)pyrene	16.58	276	67137	7.620	ng		96
87) Benzo(b)fluoranthene	14.84	252	290985	27.950	ng		97
88) Benzo(k)fluoranthene	14.84	252	290985	27.818	ng	#	96
89) Benzo(a)pyrene	15.17	252	160154	16.952	ng		97
90) Dibenzo(a,h)anthracene	16.58	278	18376	2.368	ng	#	85
91) Benzo(g,h,i)perylene	16.98	276	67692	8.737	ng		96

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

Quantitation Report (Not Reviewed)

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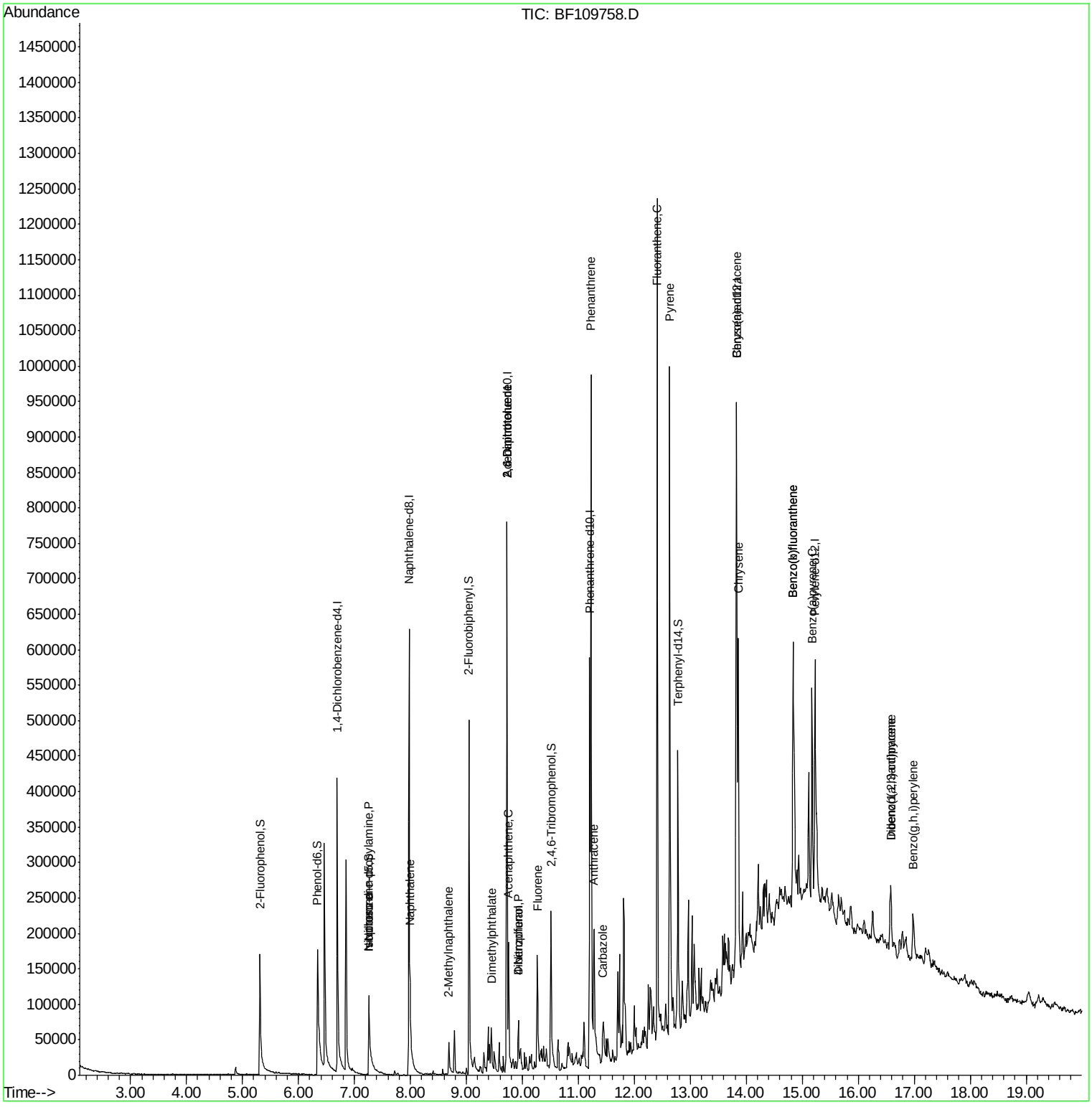
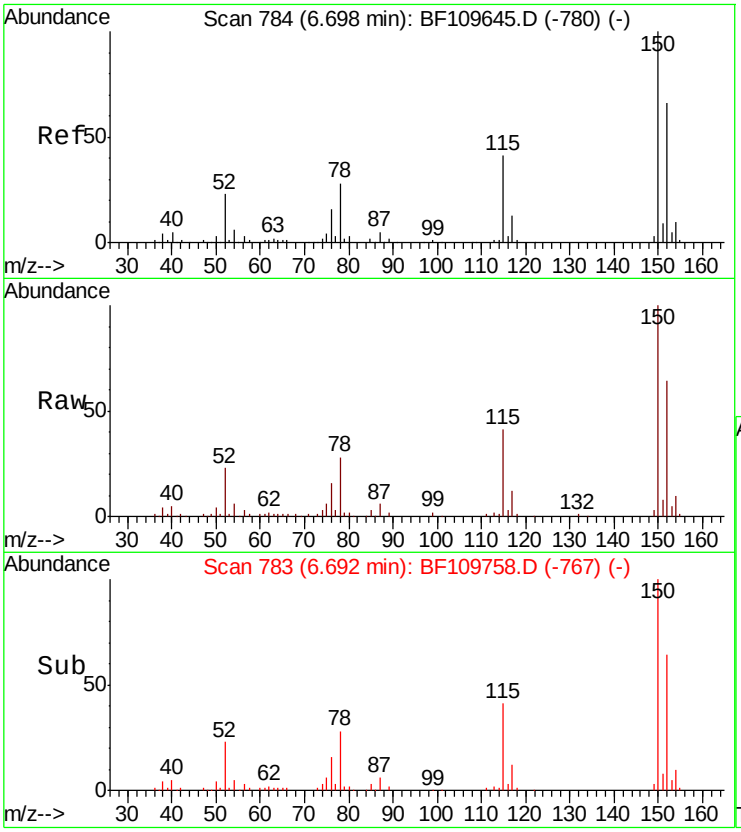
Acq On : 10 Oct 2018 22:37
Operator : JU/SJ
Sample : J5200-05 4X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-03-100818-A

Quant Time: Oct 11 05:48:40 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF100818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 08 16:02:11 2018
Response via : Initial Calibration



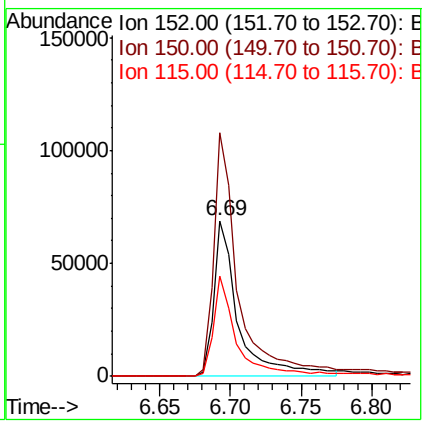


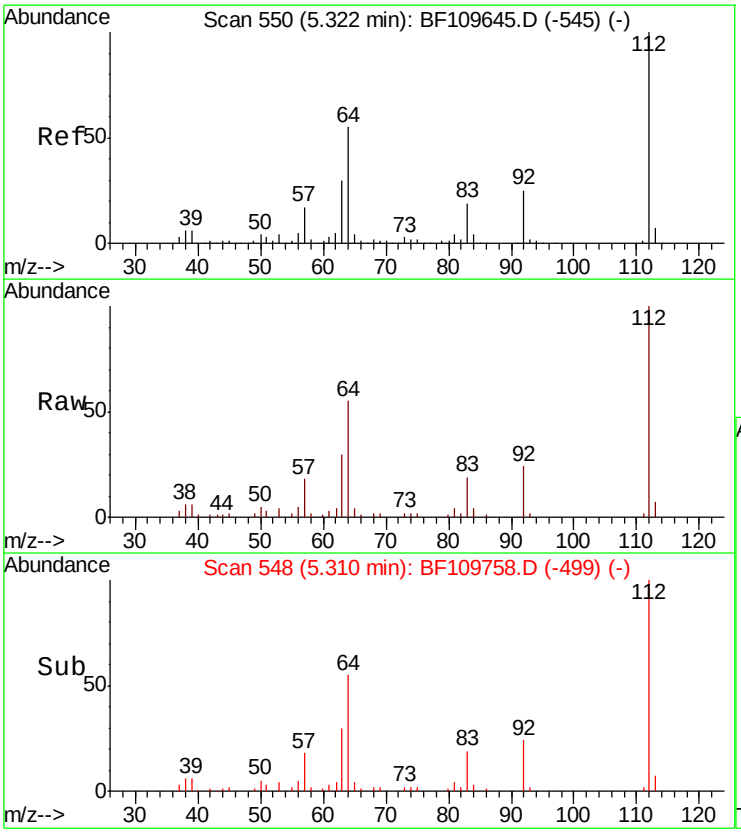
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

Instrument :
BNA_F
ClientSampleId :
OR-03-100818-A

Tgt Ion:152 Resp: 83403

Ion	Ratio	Lower	Upper
152	100		
150	156.3	122.7	184.1
115	64.6	49.1	73.7

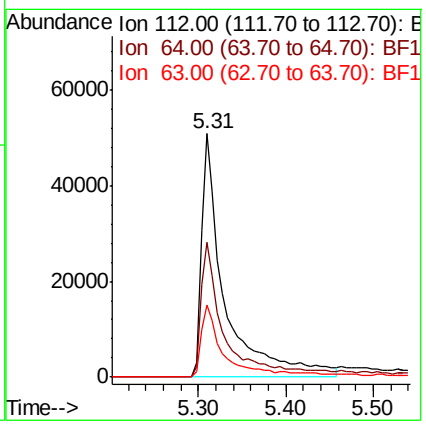


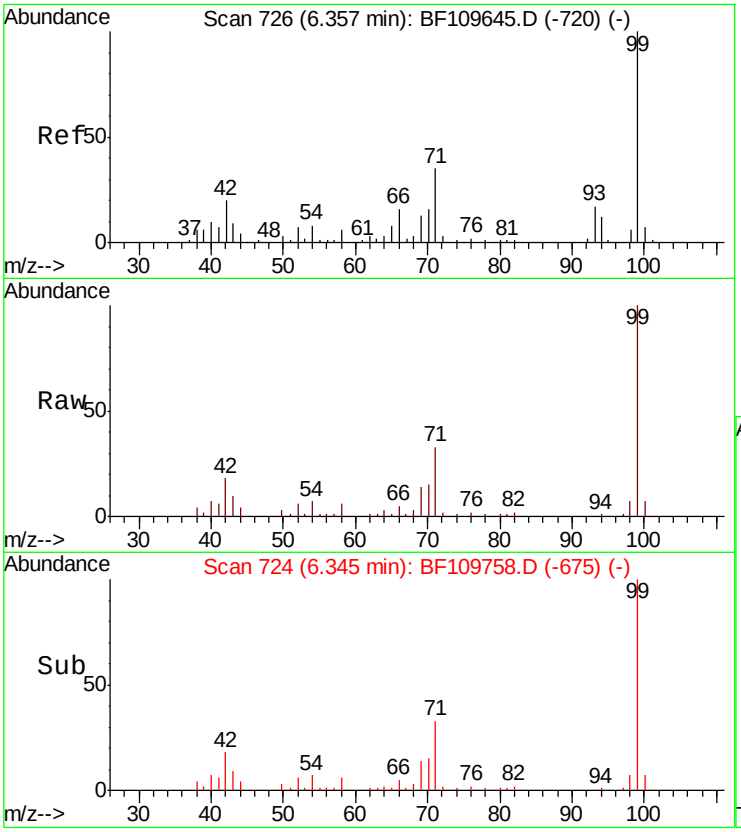


#5
2-Fluorophenol
Concen: 19.829 ng
RT: 5.31 min Scan# 548
Delta R.T. -0.01 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

Tgt Ion:112 Resp: 93168

Ion	Ratio	Lower	Upper
112	100		
64	55.1	44.1	66.1
63	29.8	23.7	35.5



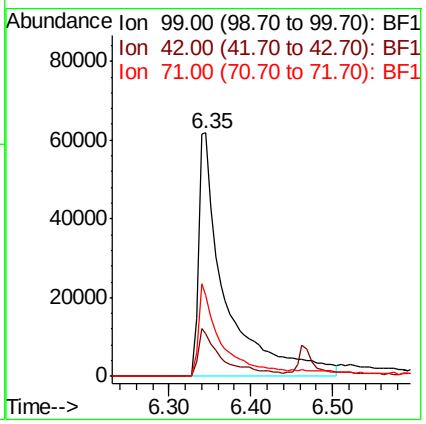


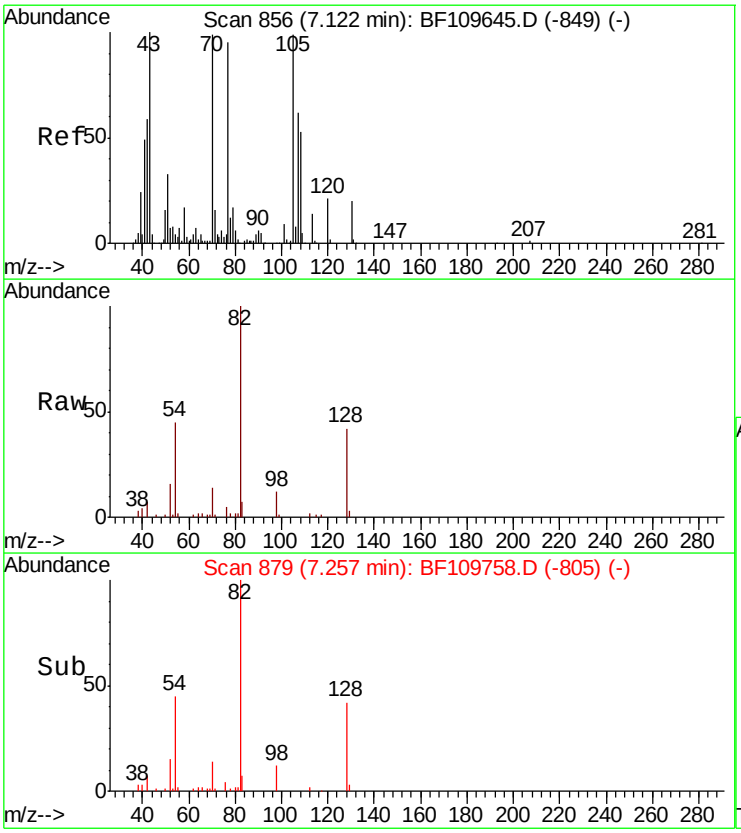
#7
Phenol-d6
Concen: 22.639 ng
RT: 6.35 min Scan# 724
Delta R.T. -0.01 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

Instrument :
BNA_F
ClientSampleId :
OR-03-100818-A

Tgt Ion: 99 Resp: 142104

Ion	Ratio	Lower	Upper
99	100		
42	17.7	15.8	23.6
71	33.5	28.0	42.0

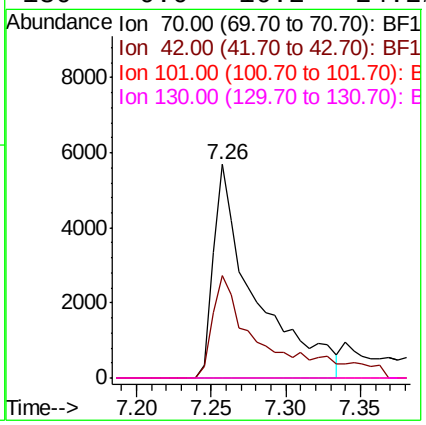


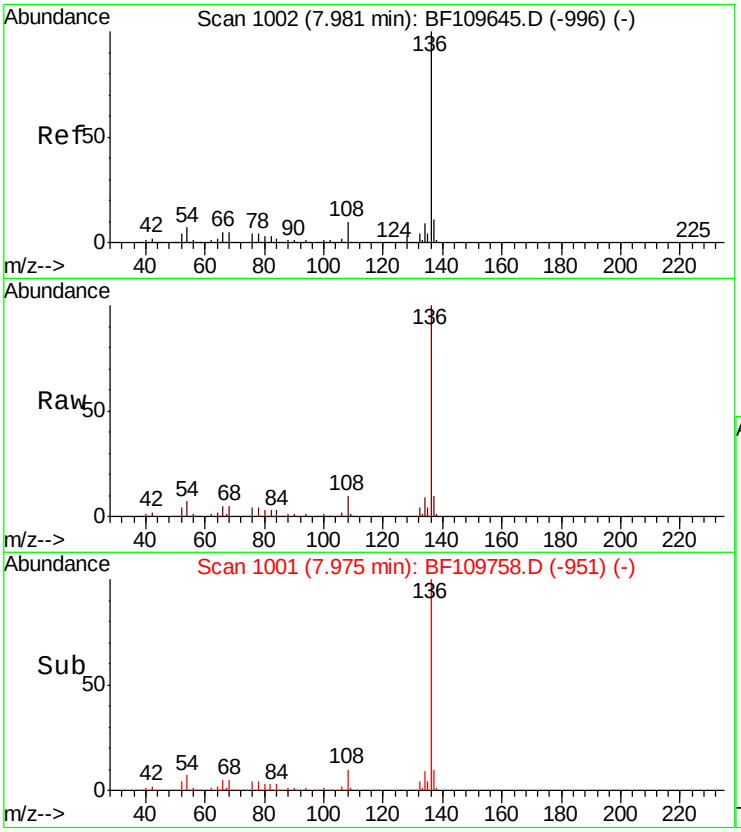


#19
n-Nitroso-di-n-propylamine
Concen: 2.487 ng
RT: 7.26 min Scan# 879
Delta R.T. 0.14 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

Tgt Ion: 70 Resp: 10948

Ion	Ratio	Lower	Upper
70	100		
42	47.8	47.4	71.2
101	0.0	7.3	10.9#
130	0.0	16.2	24.2#



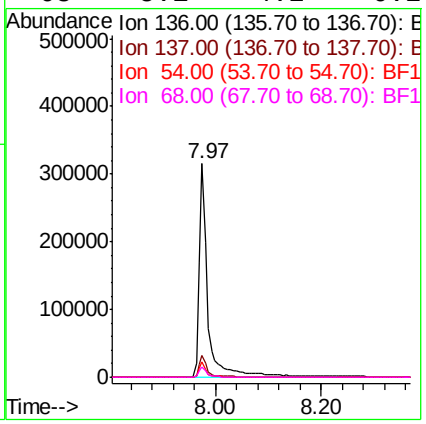


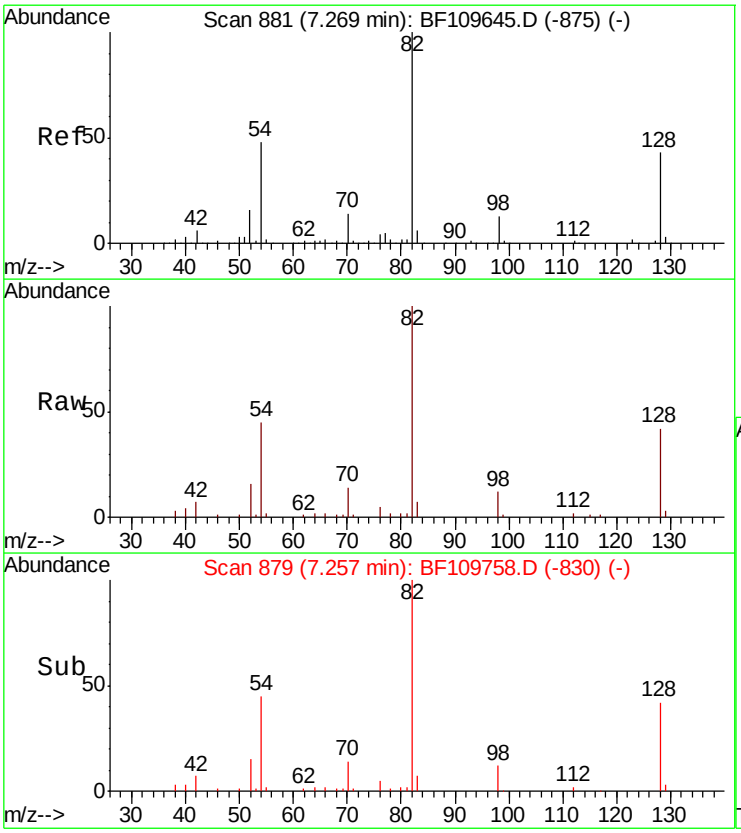
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

Instrument :
BNA_F
ClientSampleId :
OR-03-100818-A

Tgt Ion:136 Resp: 367033

Ion	Ratio	Lower	Upper
136	100		
137	10.3	8.8	13.2
54	7.1	5.4	8.2
68	5.1	4.2	6.2

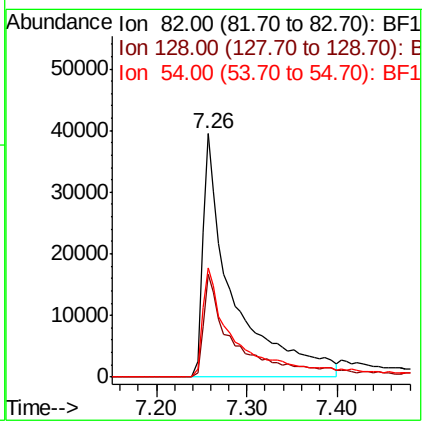


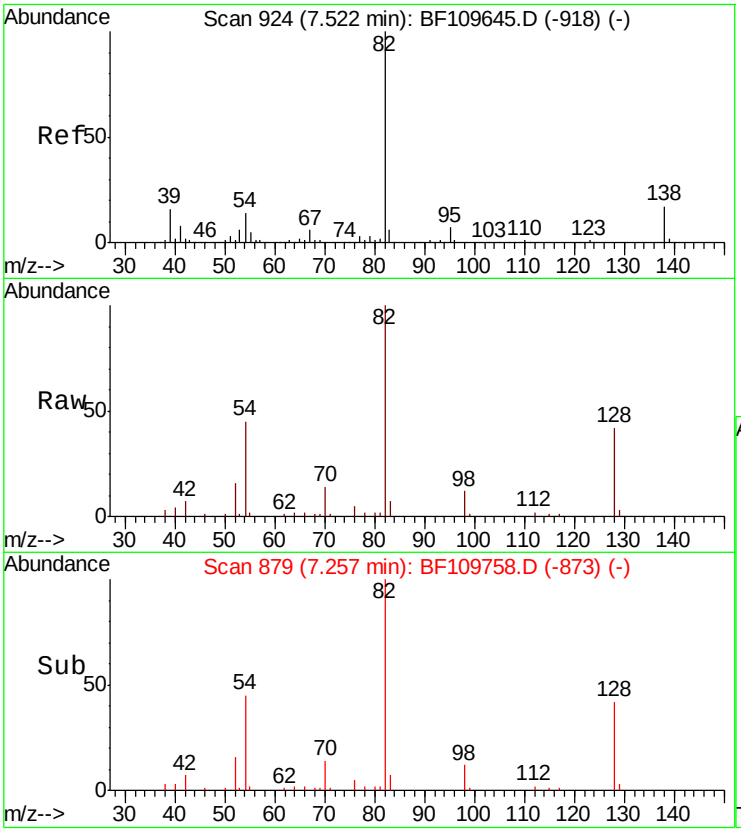


#23
Nitrobenzene-d5
Concen: 13.600 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

Tgt Ion: 82 Resp: 90553

Ion	Ratio	Lower	Upper
82	100		
128	42.3	34.2	51.2
54	45.0	38.6	58.0



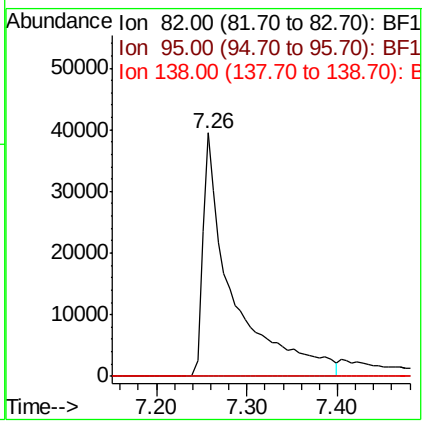


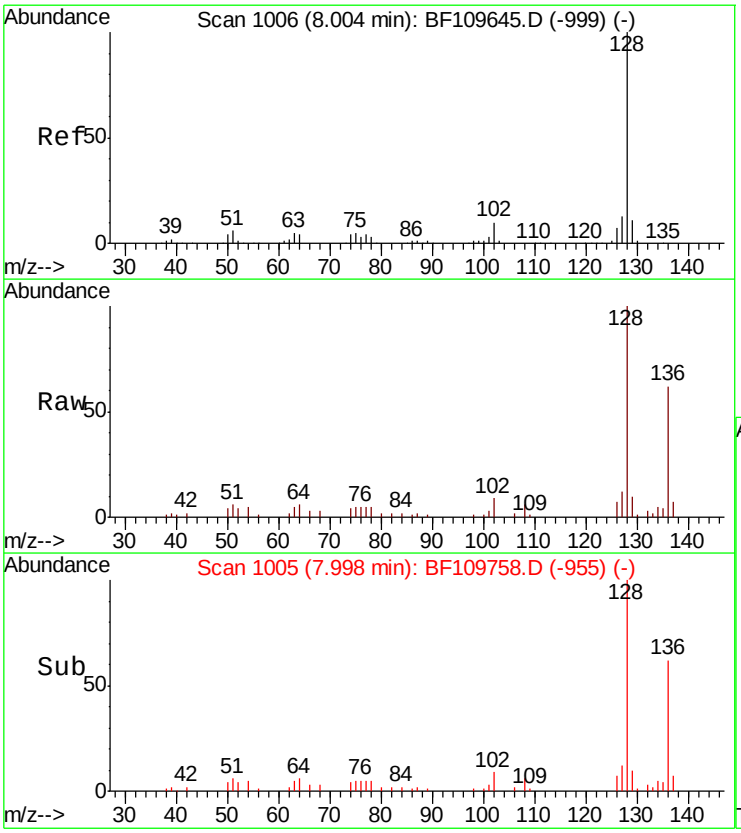
#25
Isophorone
Concen: 8.190 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.26 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

Instrument :
BNA_F
ClientSampleId :
OR-03-100818-A

Tgt Ion: 82 Resp: 90553

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.7	8.5#
138	0.0	13.2	19.8#

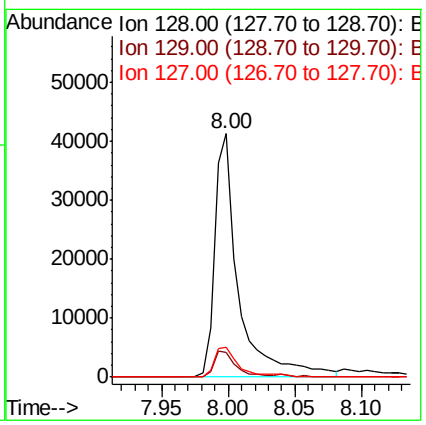


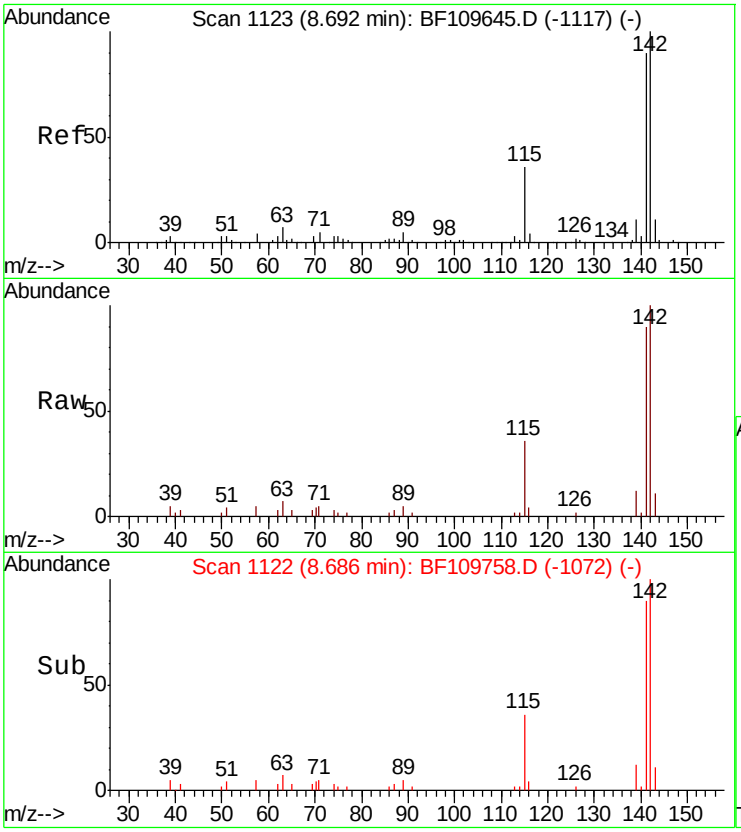


#31
Naphthalene
Concen: 3.063 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

Tgt Ion:128 Resp: 51992

Ion	Ratio	Lower	Upper
128	100		
129	10.0	8.8	13.2
127	12.1	10.8	16.2



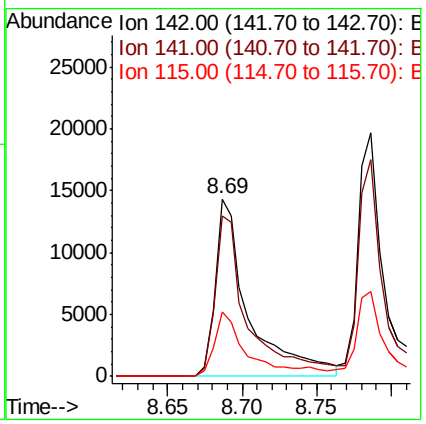


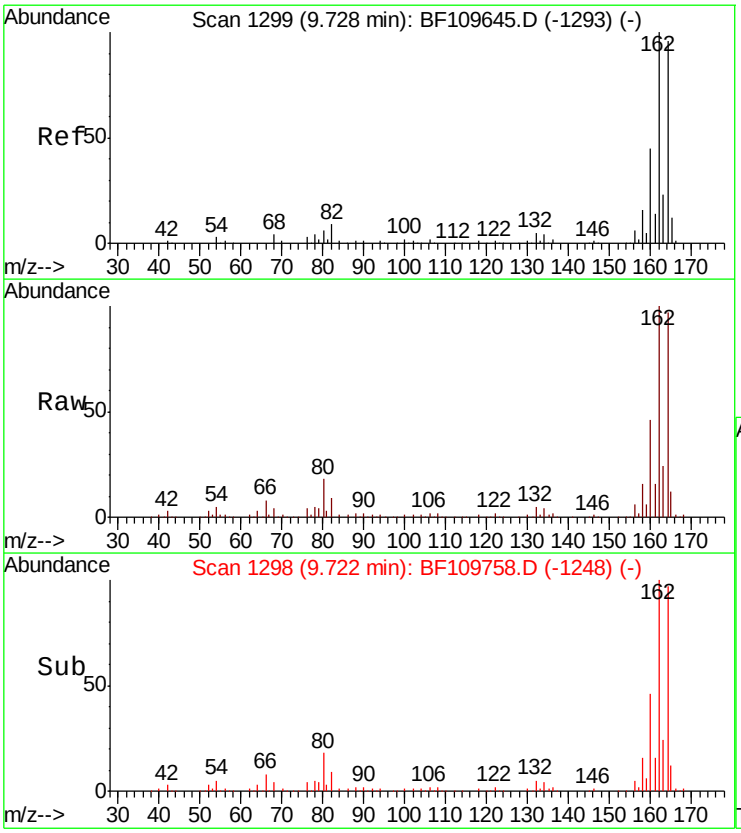
#37
2-Methylnaphthalene
Concen: 2.016 ng
RT: 8.69 min Scan# 1122
Delta R.T. -0.01 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

Instrument :
BNA_F
ClientSampleId :
OR-03-100818-A

Tgt Ion:142 Resp: 22415

Ion	Ratio	Lower	Upper
142	100		
141	90.4	71.4	107.2
115	36.1	28.7	43.1

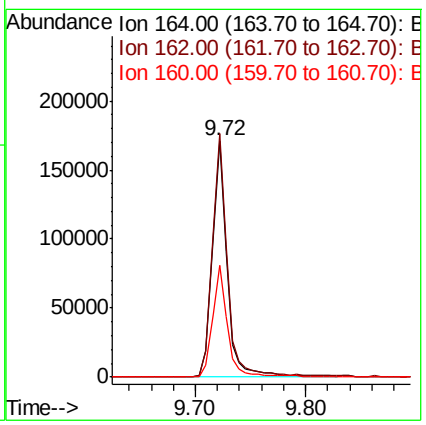


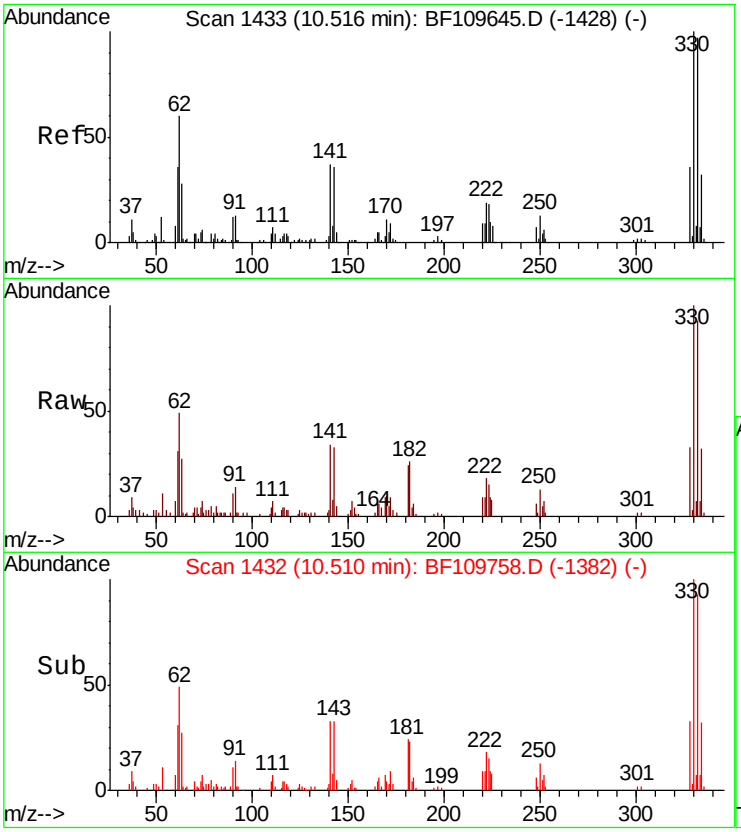


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

Tgt Ion:164 Resp: 159580

Ion	Ratio	Lower	Upper
164	100		
162	103.0	83.0	124.6
160	47.2	37.0	55.6



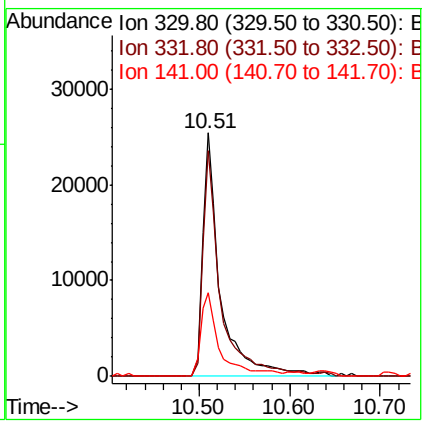


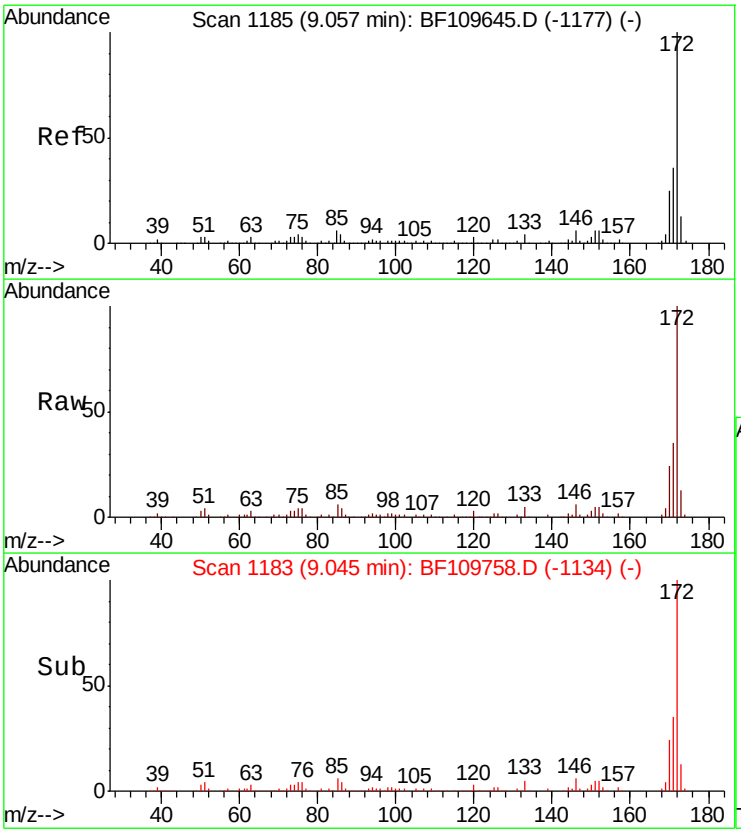
#41
2,4,6-Tribromophenol
Concen: 20.113 ng
RT: 10.51 min Scan# 1432
Delta R.T. -0.01 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

Instrument :
BNA_F
ClientSampleId :
OR-03-100818-A

Tgt Ion:330 Resp: 34972

Ion	Ratio	Lower	Upper
330	100		
332	93.8	77.1	115.7
141	37.5	27.0	40.4

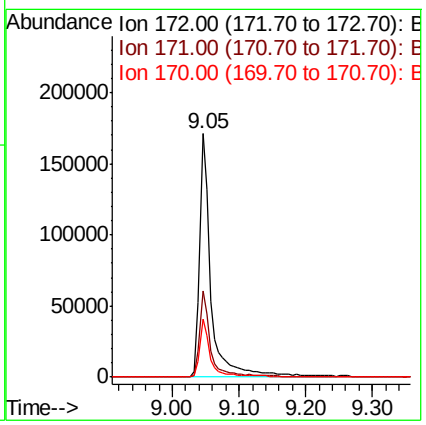


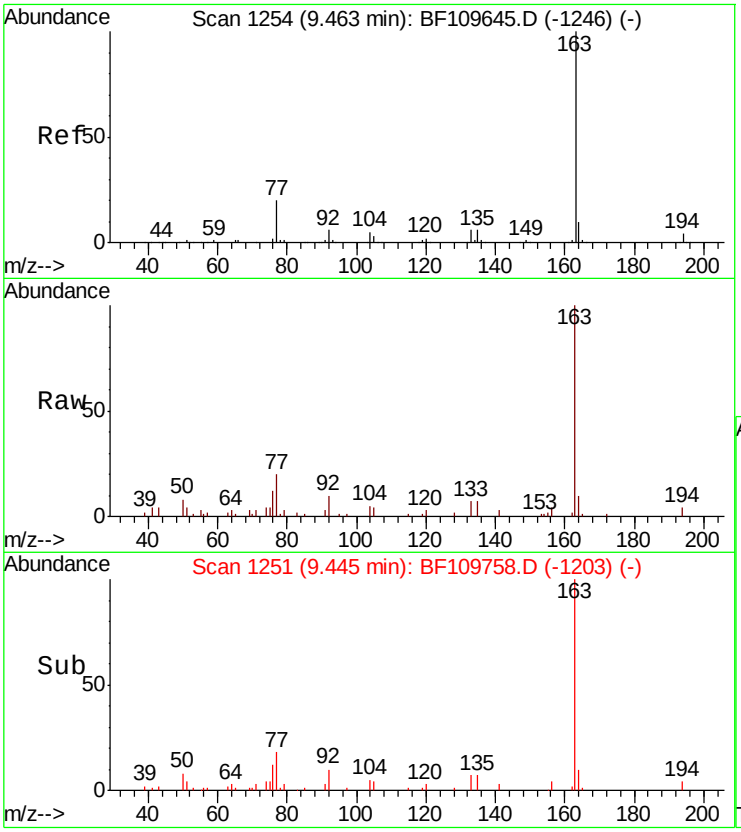


#44
2-Fluorobiphenyl
Concen: 17.121 ng
RT: 9.05 min Scan# 1183
Delta R.T. -0.01 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

Tgt Ion:172 Resp: 198376

Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.6	43.0
170	23.8	19.7	29.5



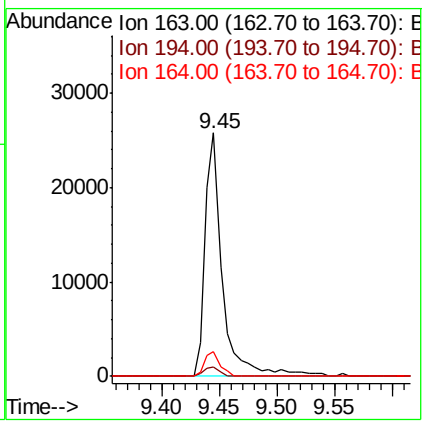


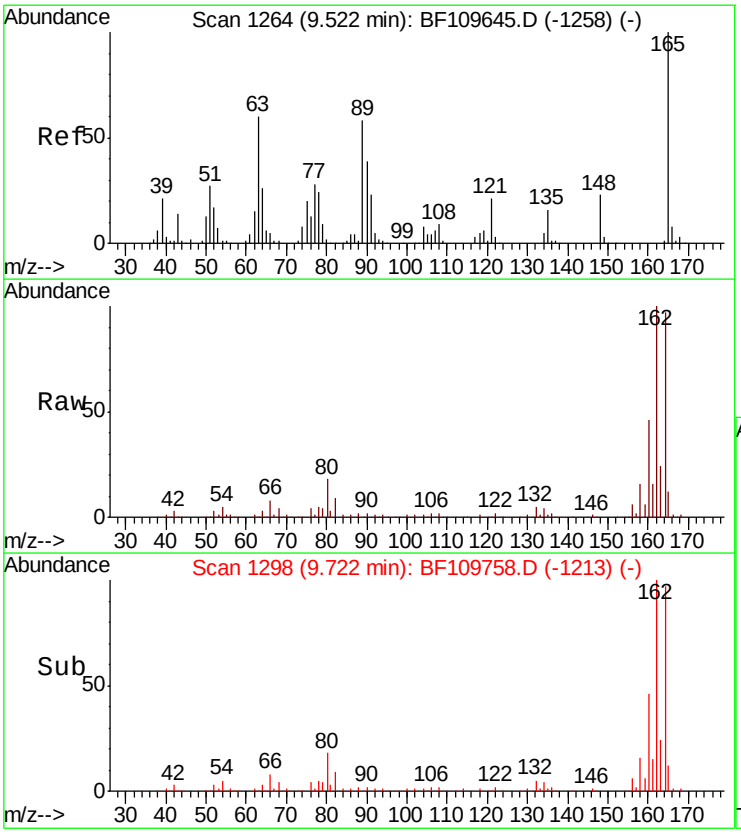
#49
Dimethylphthalate
Concen: 2.314 ng
RT: 9.45 min Scan# 1251
Delta R.T. -0.02 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

Instrument :
BNA_F
ClientSampleId :
OR-03-100818-A

Tgt Ion:163 Resp: 27082

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.2	4.8
164	10.0	8.1	12.1

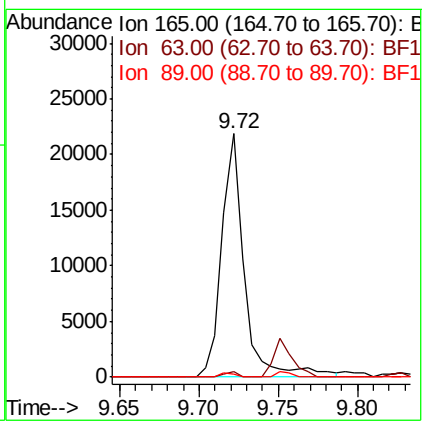


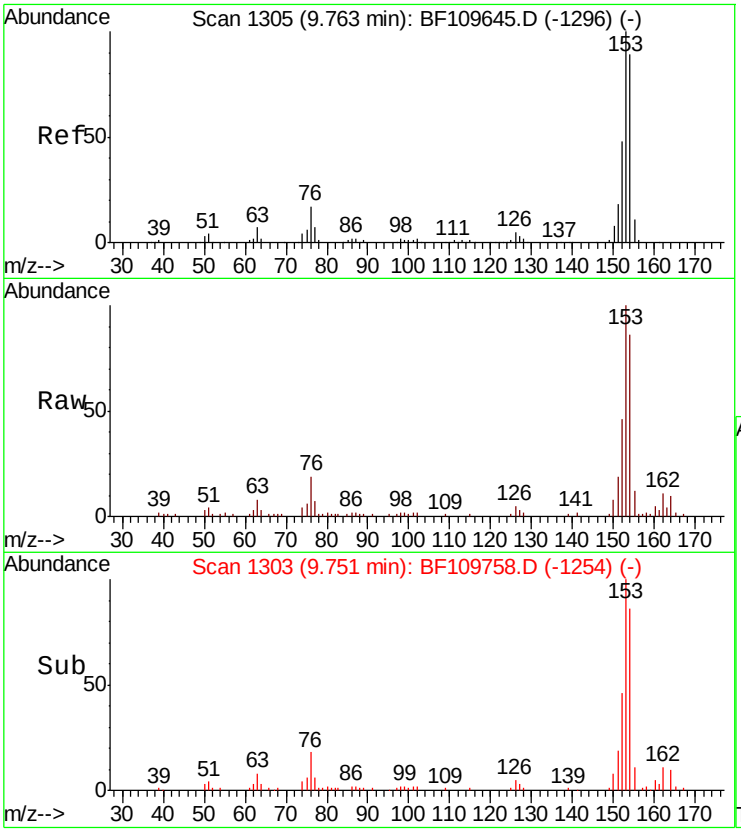


#50
2,6-Dinitrotoluene
Concen: 8.533 ng
RT: 9.72 min Scan# 1298
Delta R.T. 0.20 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

Tgt Ion:165 Resp: 21648

Ion	Ratio	Lower	Upper
165	100		
63	2.1	48.9	73.3#
89	1.4	46.6	69.8#



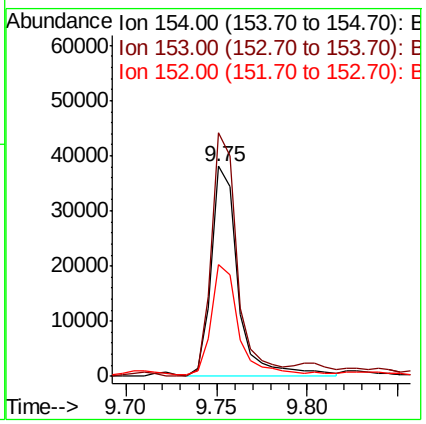


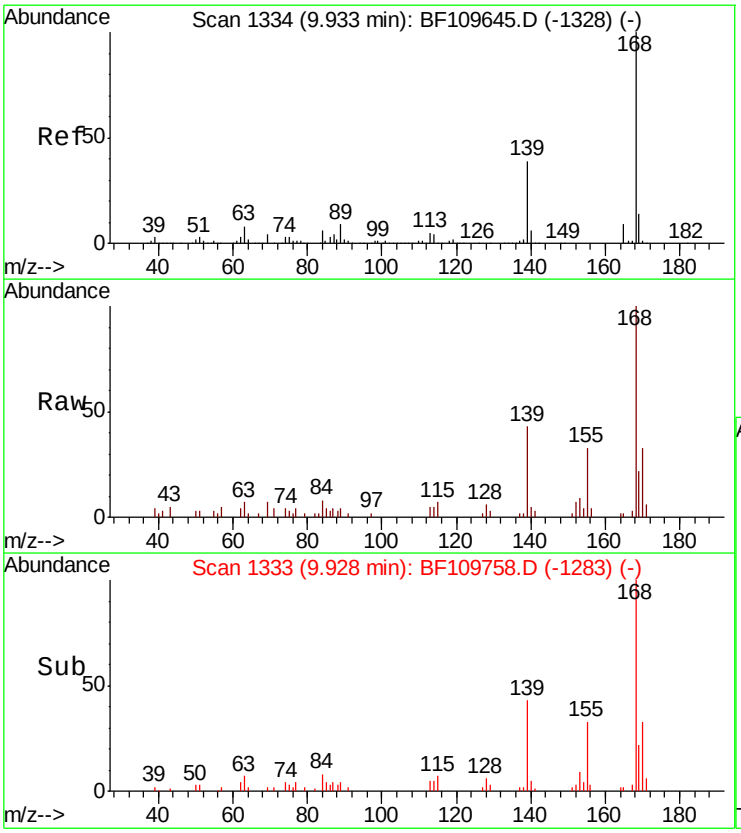
#51
Acenaphthene
Concen: 4.288 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

Instrument :
BNA_F
ClientSampleId :
OR-03-100818-A

Tgt Ion:154 Resp: 39583

Ion	Ratio	Lower	Upper
154	100		
153	115.8	90.1	135.1
152	53.3	43.4	65.2

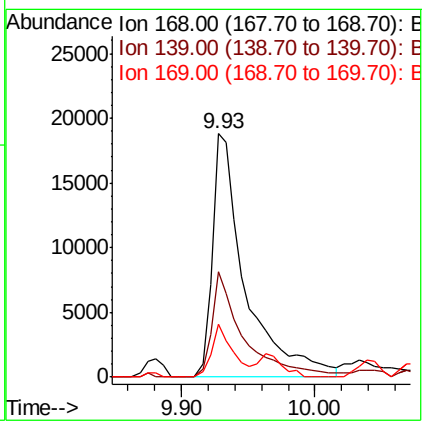


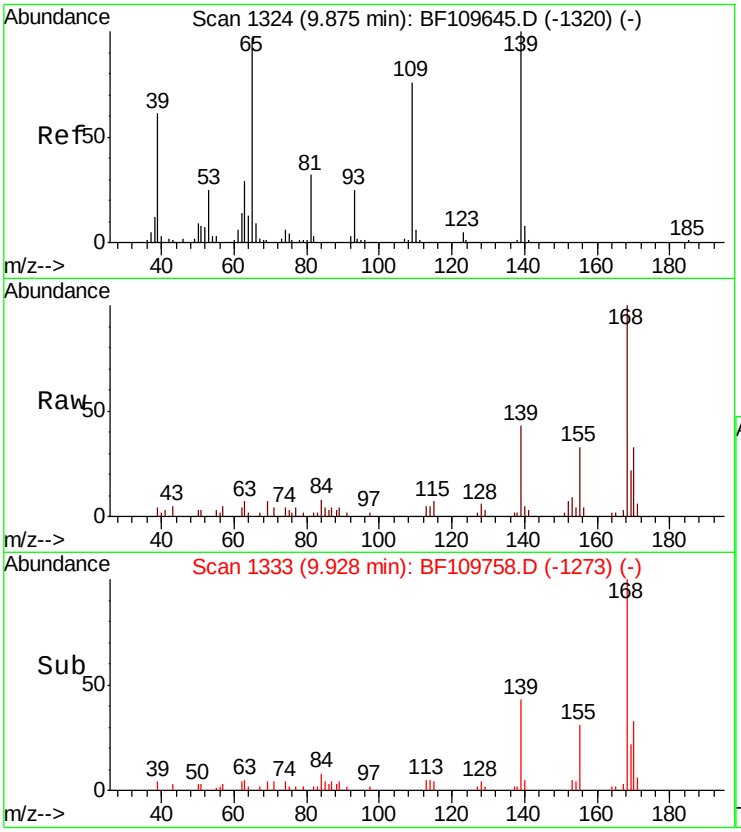


#54
Dibenzofuran
Concen: 2.351 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

Tgt Ion:168 Resp: 32527

Ion	Ratio	Lower	Upper
168	100		
139	43.2	33.0	49.6
169	21.6	11.3	16.9#



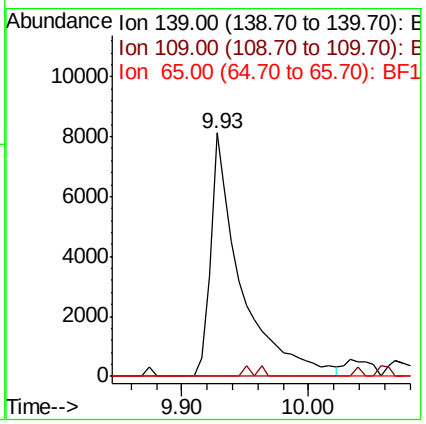


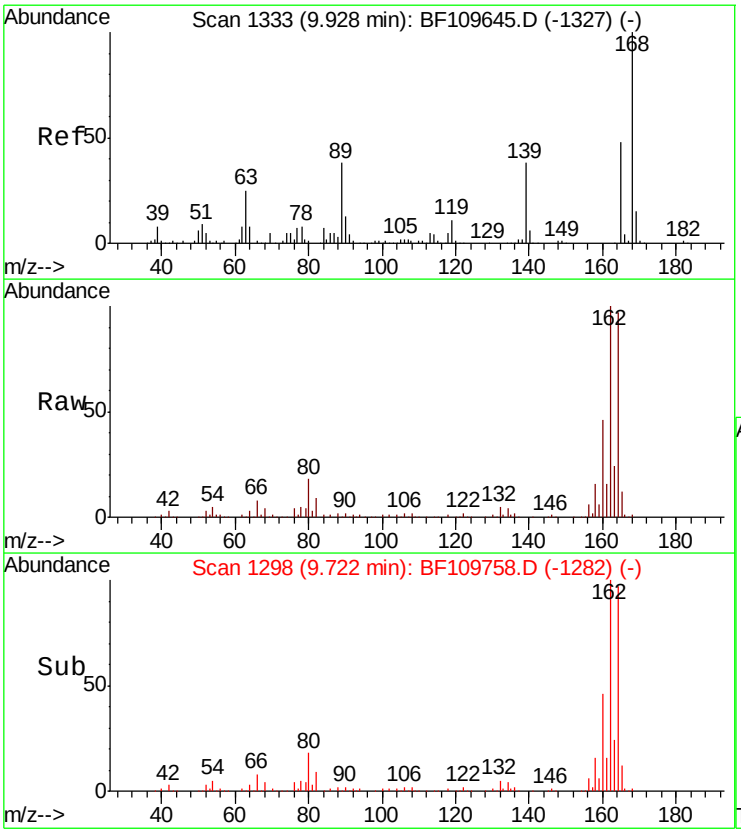
#55
4-Nitrophenol
Concen: 8.710 ng
RT: 9.93 min Scan# 1333
Delta R.T. 0.05 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

Instrument :
BNA_F
ClientSampleId :
OR-03-100818-A

Tgt Ion:139 Resp: 13558

Ion	Ratio	Lower	Upper
139	100		
109	0.0	55.8	95.8#
65	0.0	77.9	117.9#

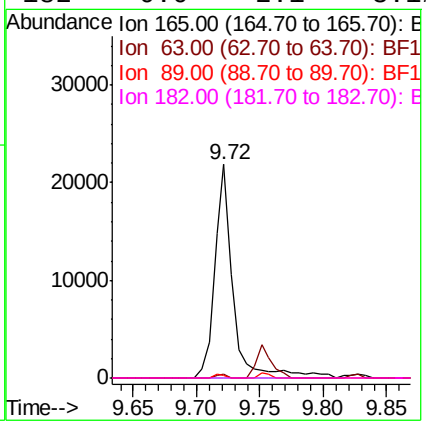


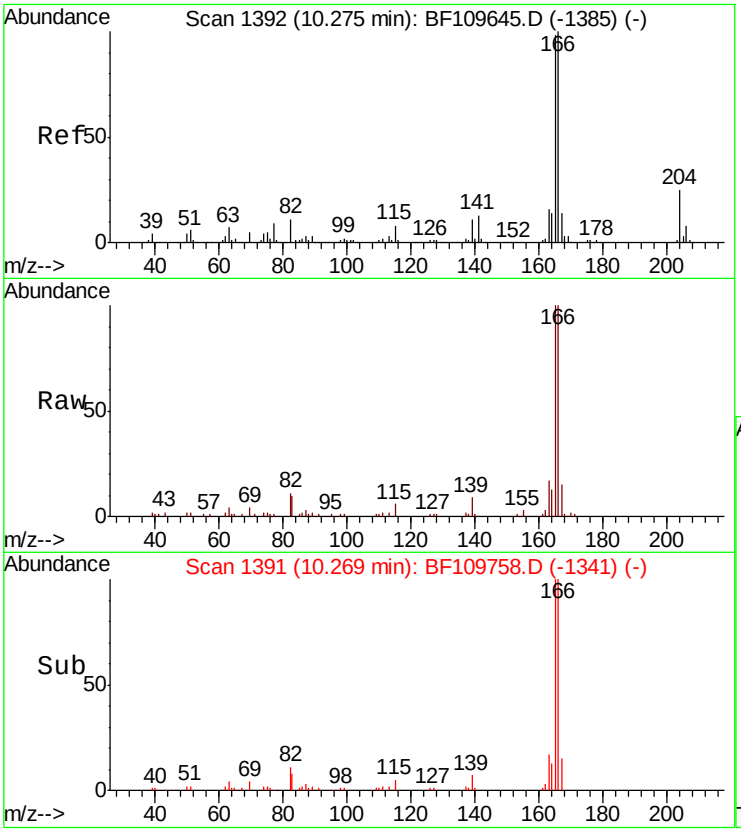


#56
2,4-Dinitrotoluene
Concen: 6.985 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.21 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

Tgt Ion:165 Resp: 22115

Ion	Ratio	Lower	Upper
165	100		
63	2.1	44.8	67.2#
89	1.4	62.2	93.4#
182	0.0	2.1	3.1#



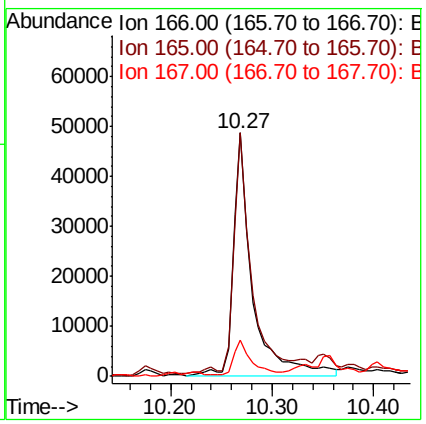


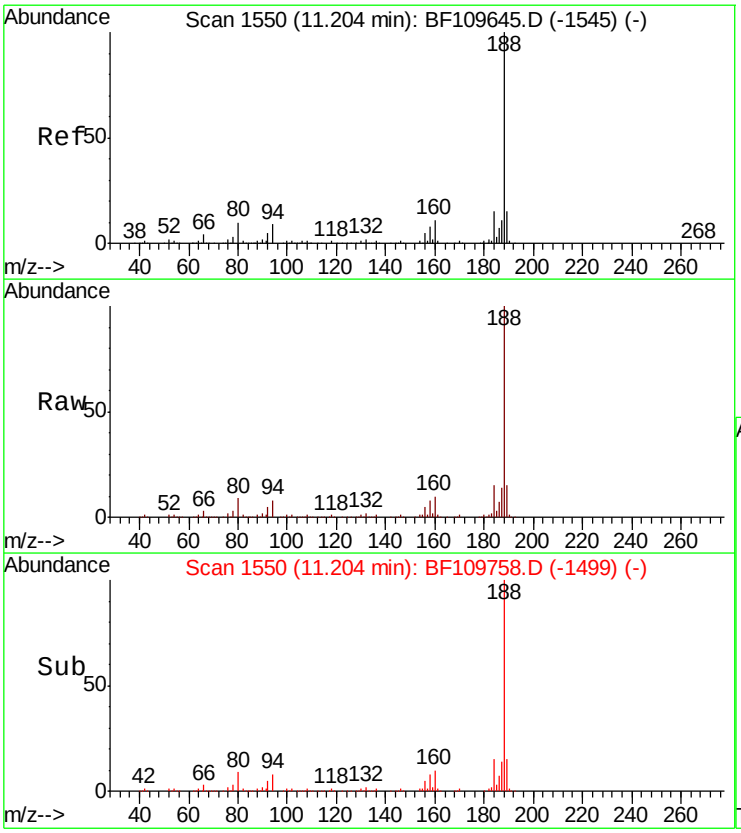
#57
Fluorene
Concen: 6.201 ng
RT: 10.27 min Scan# 1391
Delta R.T. -0.01 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

Instrument :
BNA_F
ClientSampleId :
OR-03-100818-A

Tgt Ion:166 Resp: 64068

Ion	Ratio	Lower	Upper
166	100		
165	100.1	78.6	117.8
167	14.7	10.8	16.2

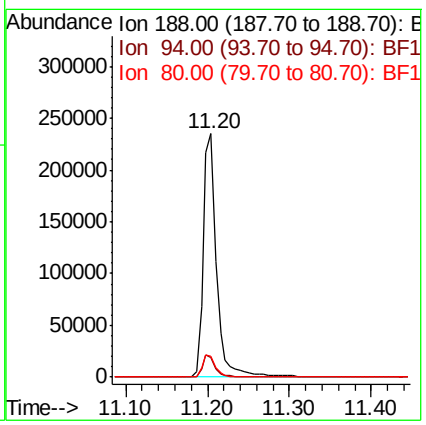


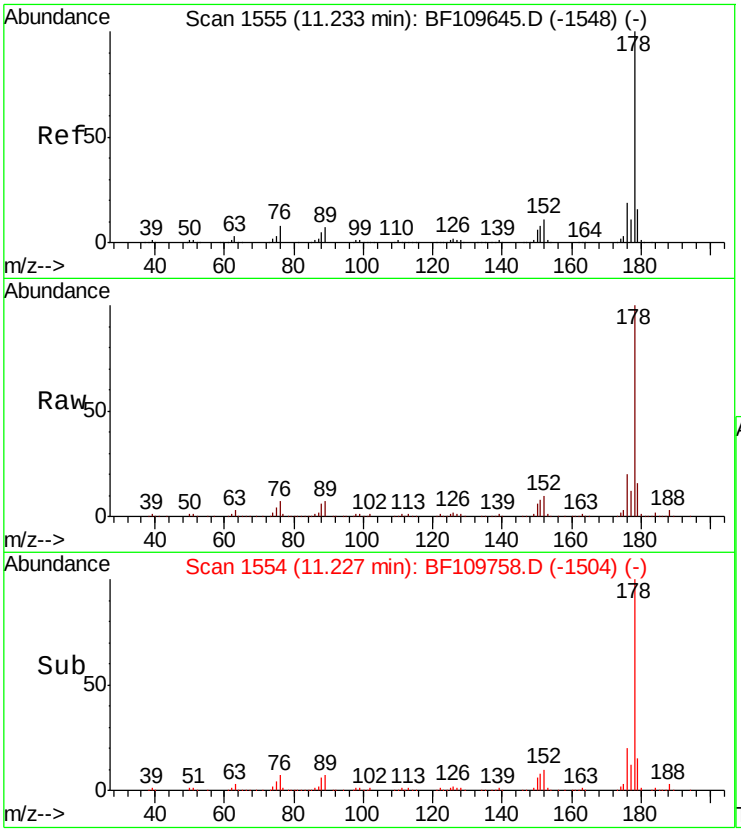


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1550
Delta R.T. 0.00 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

Tgt Ion:188 Resp: 265592

Ion	Ratio	Lower	Upper
188	100		
94	8.1	7.2	10.8
80	8.7	7.9	11.9



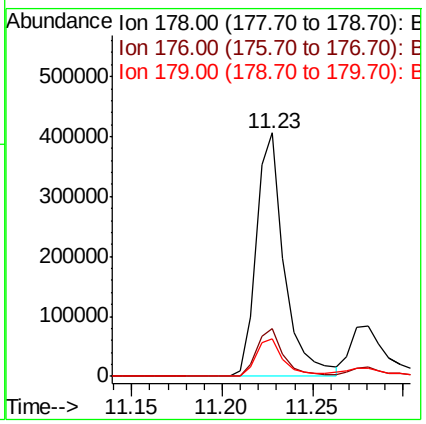


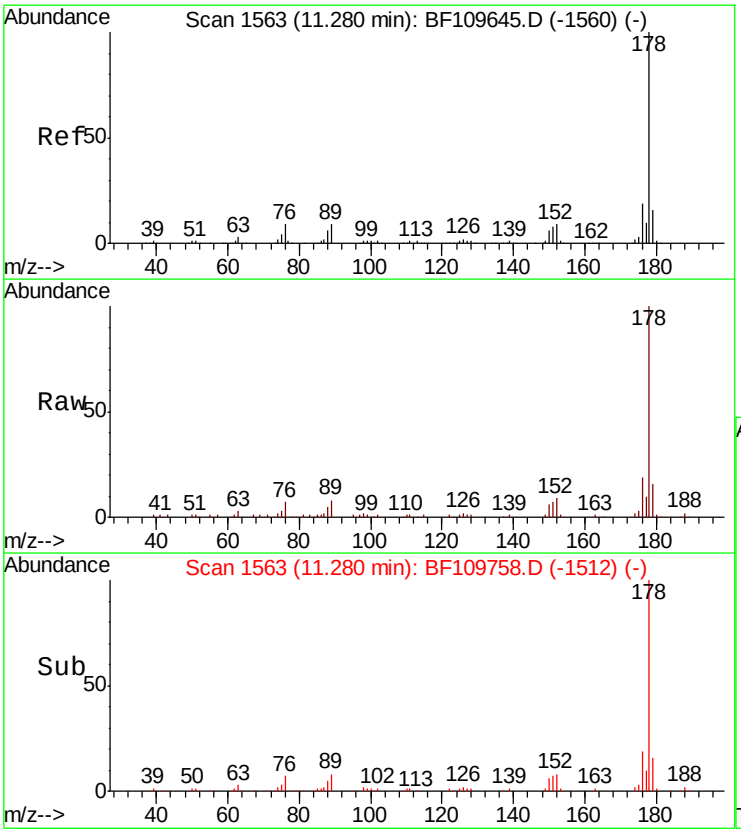
#70
Phenanthrene
Concen: 32.791 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

Instrument :
BNA_F
ClientSampleId :
OR-03-100818-A

Tgt Ion:178 Resp: 435827

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.5	23.3
179	15.6	12.5	18.7

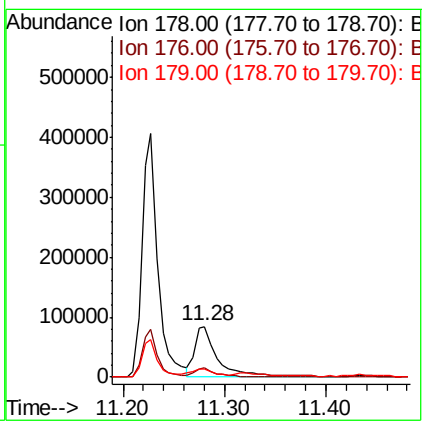


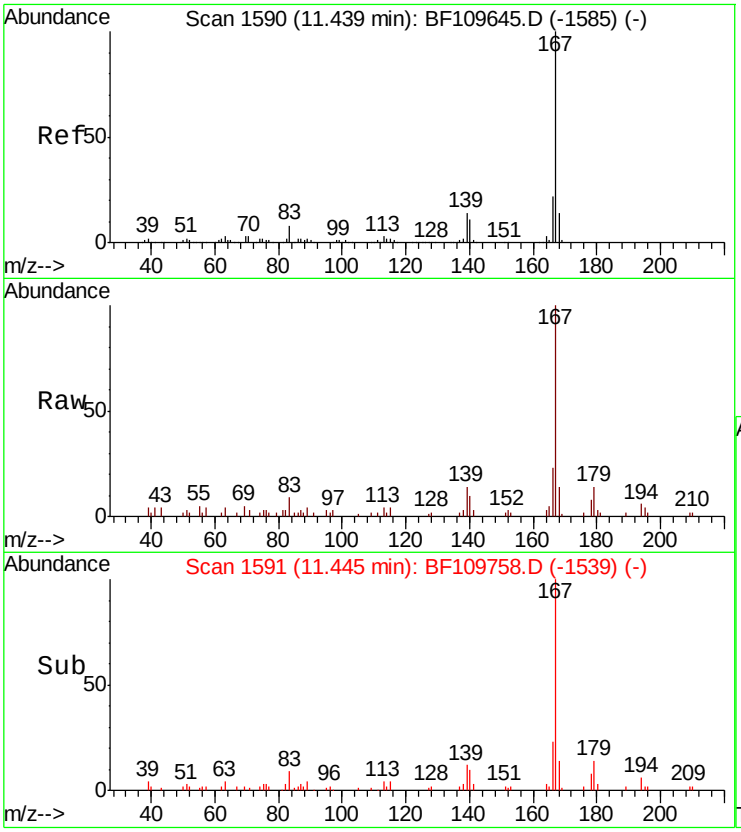


#71
Anthracene
Concen: 9.456 ng
RT: 11.28 min Scan# 1563
Delta R.T. 0.00 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

Tgt Ion:178 Resp: 129917

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	16.1	12.6	18.8



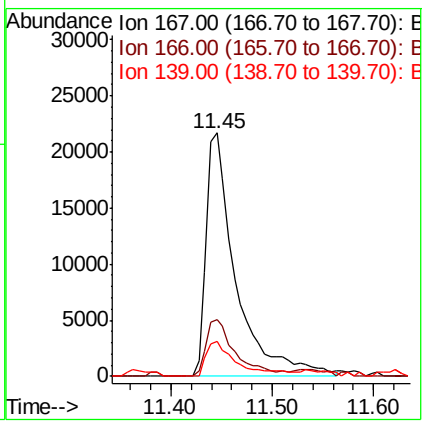


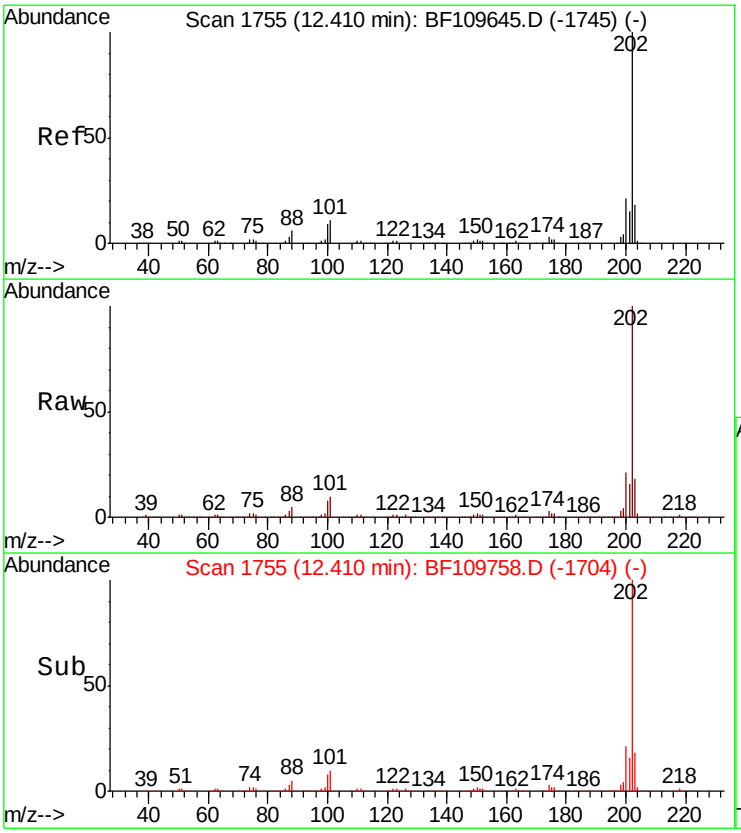
#72
Carbazole
Concen: 3.315 ng
RT: 11.45 min Scan# 1591
Delta R.T. 0.01 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

Instrument :
BNA_F
ClientSampleId :
OR-03-100818-A

Tgt Ion:167 Resp: 44171

Ion	Ratio	Lower	Upper
167	100		
166	23.3	17.4	26.0
139	14.2	10.9	16.3

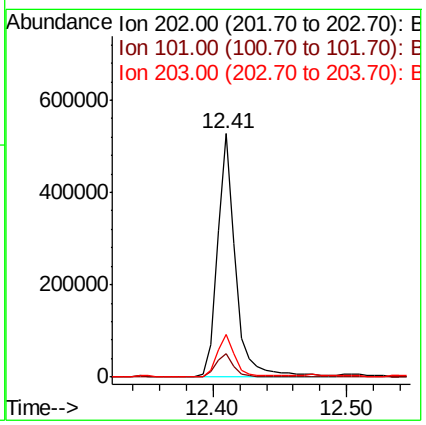


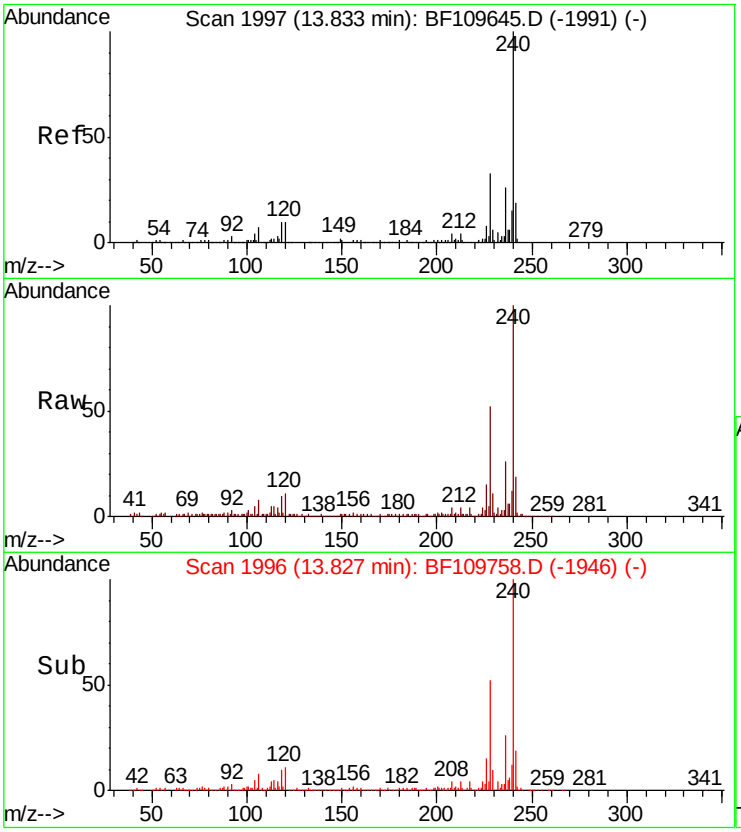


#74
Fluoranthene
Concen: 36.208 ng
RT: 12.41 min Scan# 1755
Delta R.T. 0.00 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

Tgt Ion:202 Resp: 502749

Ion	Ratio	Lower	Upper
202	100		
101	9.8	0.0	31.4
203	17.6	0.0	37.7



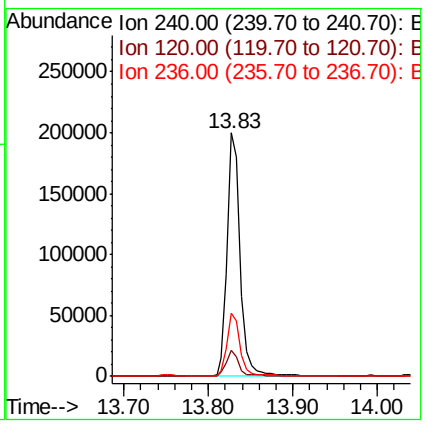


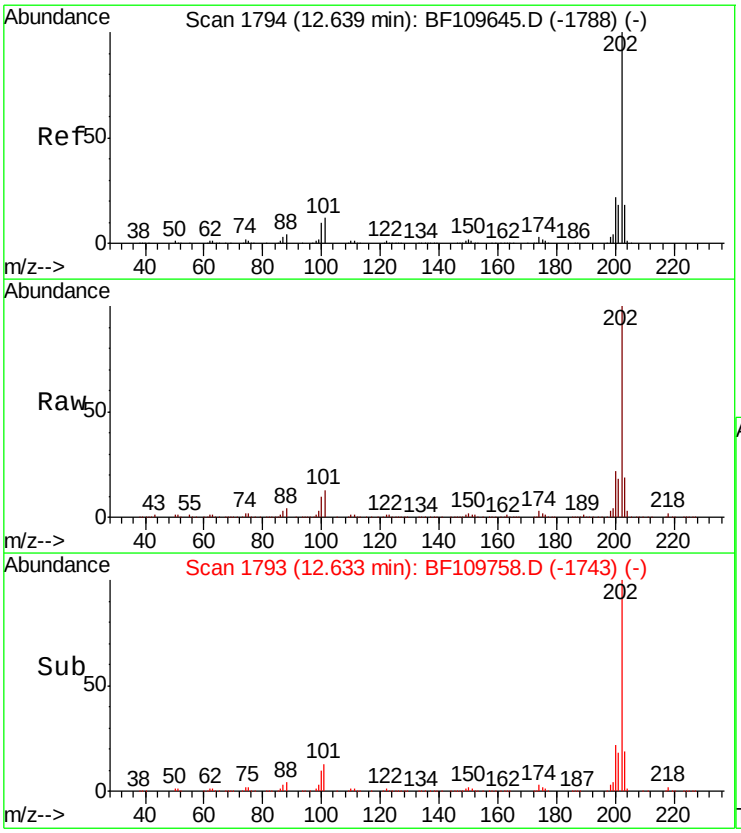
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.83 min Scan# 1996
Delta R.T. -0.01 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

Instrument :
BNA_F
ClientSampleId :
OR-03-100818-A

Tgt Ion:240 Resp: 212352

Ion	Ratio	Lower	Upper
240	100		
120	10.8	8.3	12.5
236	25.8	21.2	31.8

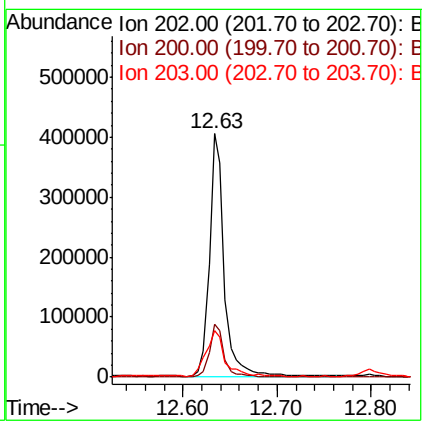


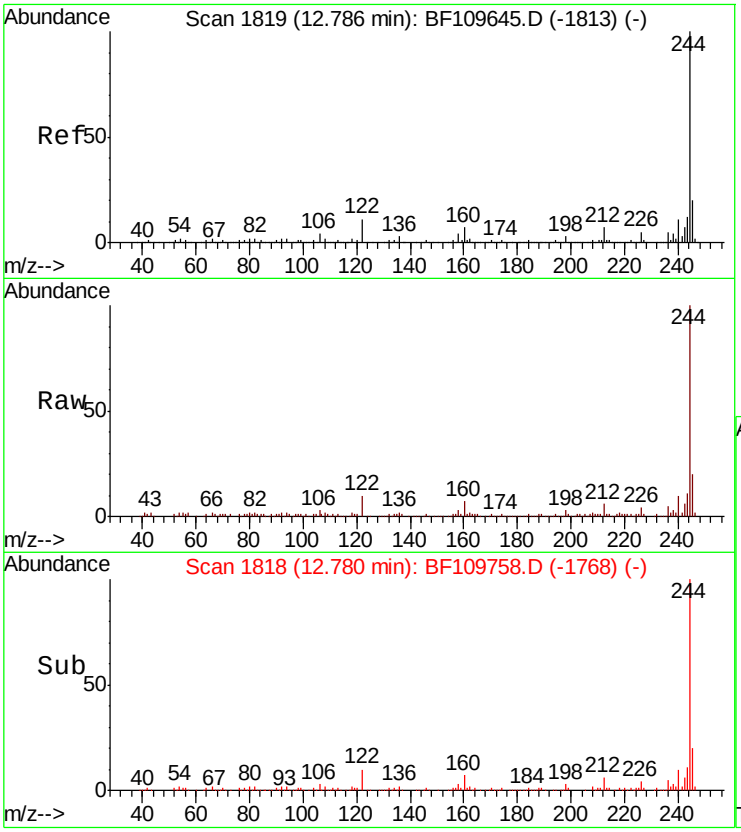


#77
Pyrene
Concen: 29.102 ng
RT: 12.63 min Scan# 1793
Delta R.T. -0.01 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

Tgt Ion:202 Resp: 452779

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.8	26.6
203	19.3	14.2	21.4



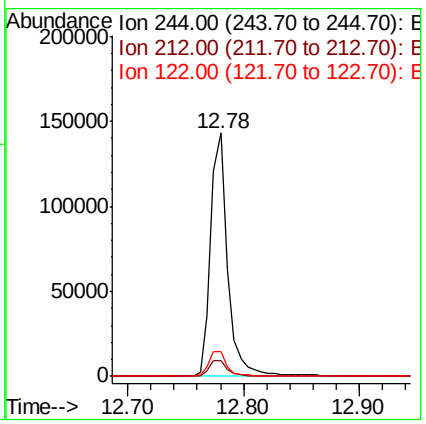


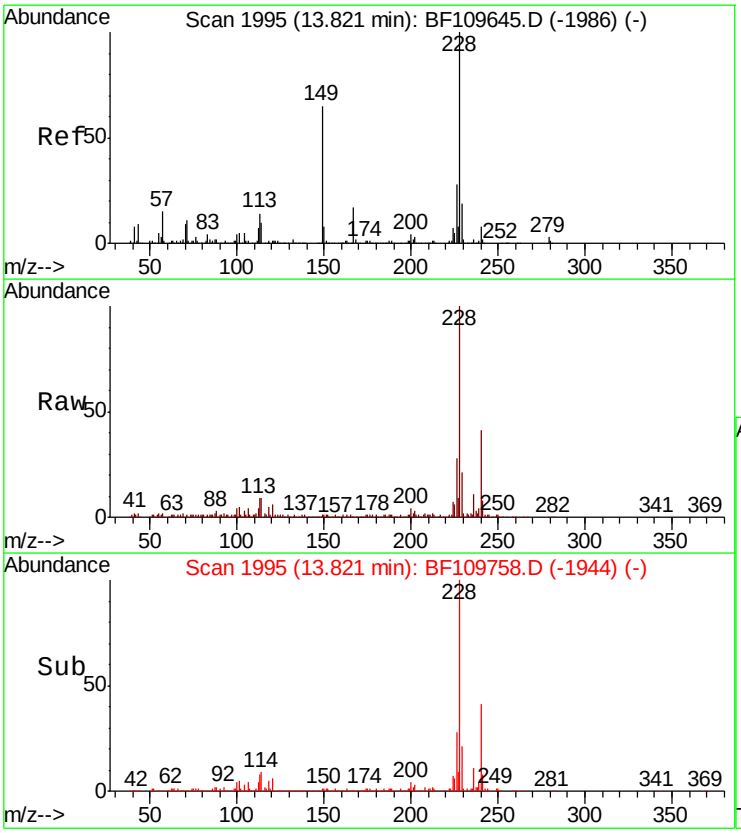
#78
Terphenyl-d14
Concen: 13.429 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

Instrument :
BNA_F
ClientSampleId :
OR-03-100818-A

Tgt Ion:244 Resp: 147312

Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.8	8.8
122	10.0	8.7	13.1

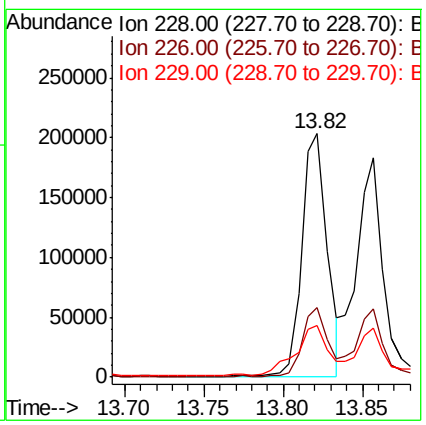


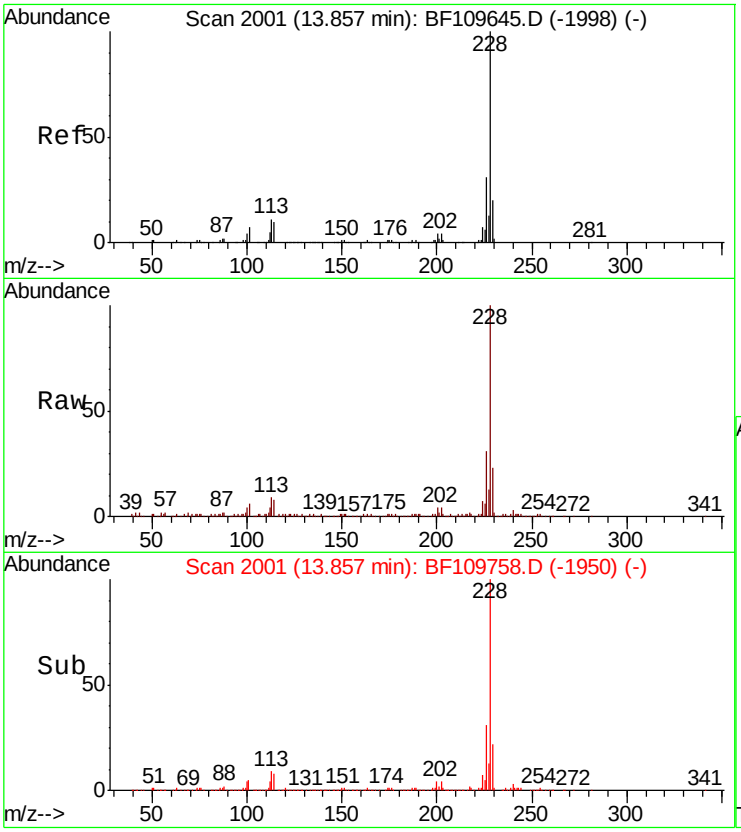


#80
Benzo(a)anthracene
Concen: 19.062 ng
RT: 13.82 min Scan# 1995
Delta R.T. 0.00 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

Tgt Ion:228 Resp: 223382

Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.1	33.1
229	21.0	15.6	23.4



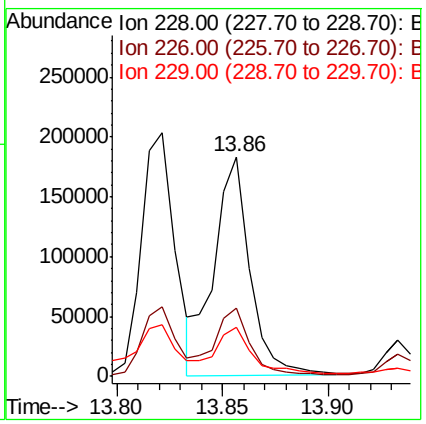


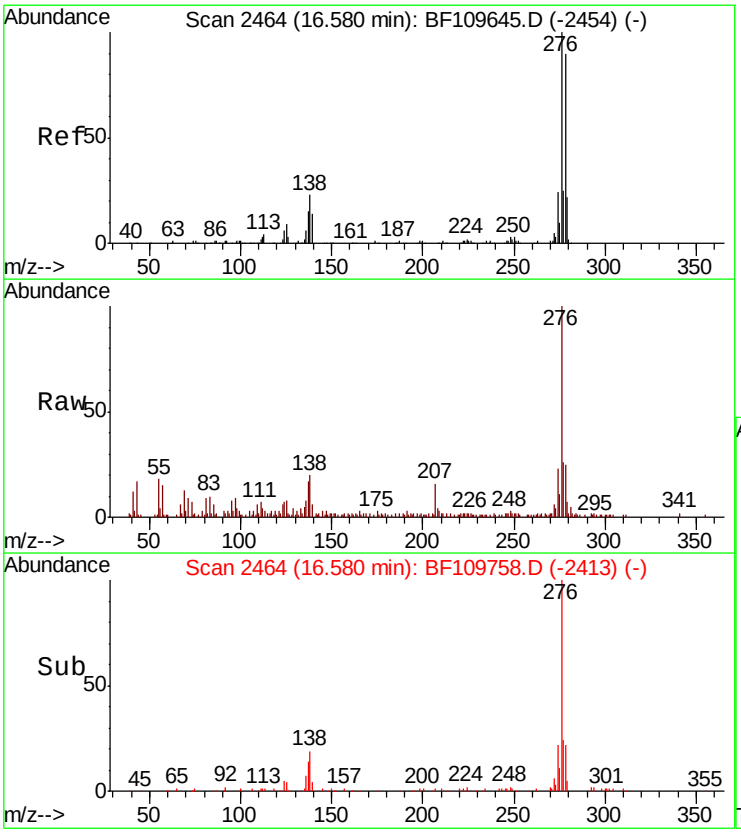
#82
Chrysene
Concen: 17.601 ng
RT: 13.86 min Scan# 2001
Delta R.T. 0.00 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

Instrument :
BNA_F
ClientSampleId :
OR-03-100818-A

Tgt Ion:228 Resp: 216651

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.7	37.1
229	22.6	15.9	23.9

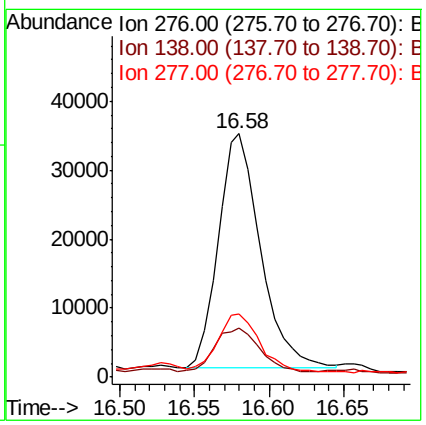


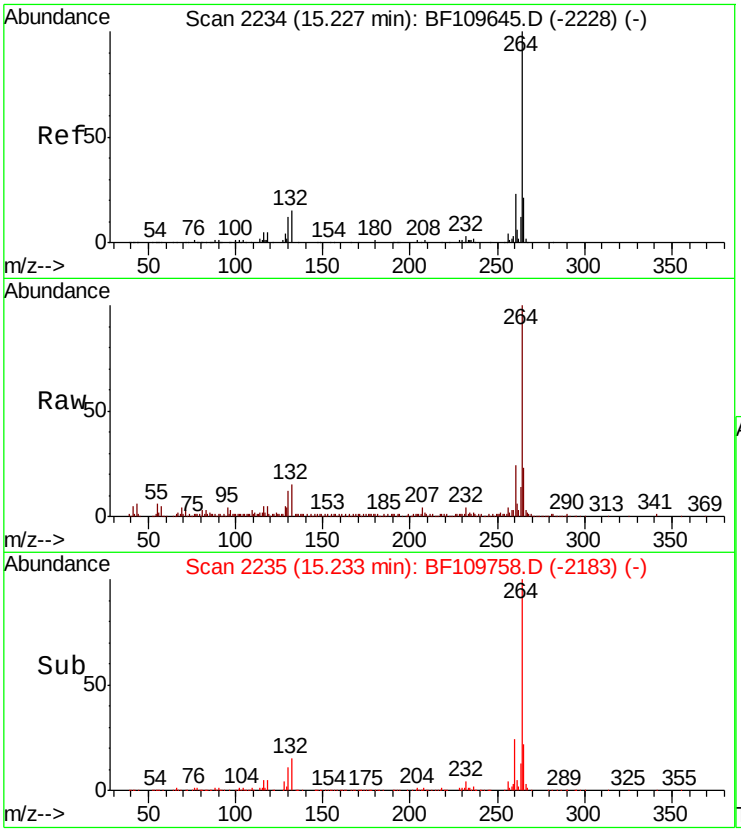


#85
Indeno(1,2,3-cd)pyrene
Concen: 7.620 ng
RT: 16.58 min Scan# 2464
Delta R.T. 0.00 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

Tgt Ion:276 Resp: 67137

Ion	Ratio	Lower	Upper
276	100		
138	19.7	18.5	27.7
277	25.2	20.0	30.0



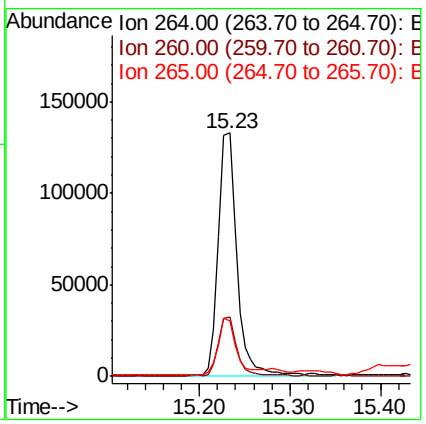


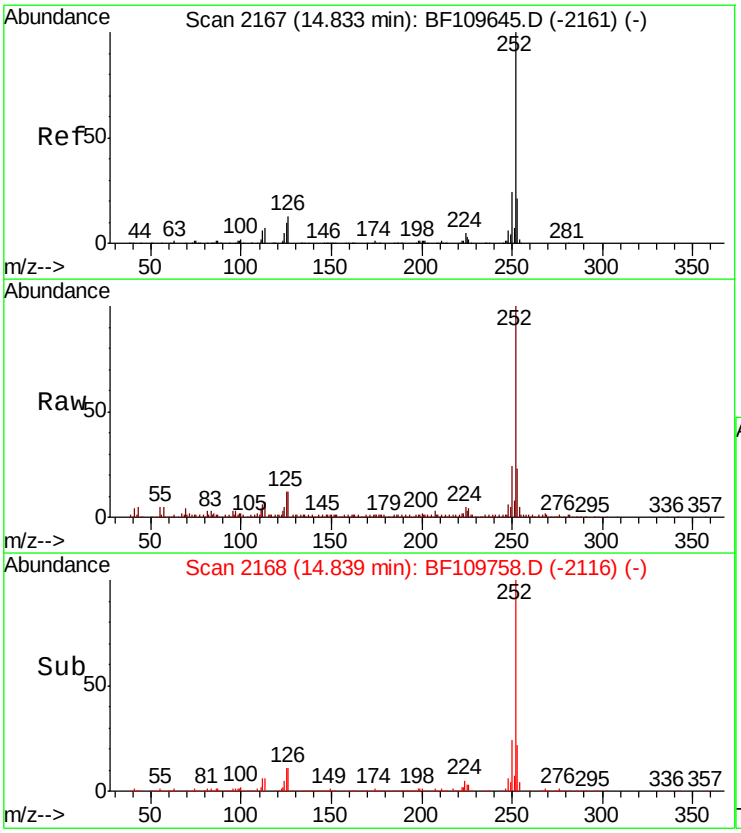
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2235
Delta R.T. 0.01 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

Instrument :
BNA_F
ClientSampleId :
OR-03-100818-A

Tgt Ion:264 Resp: 188391

Ion	Ratio	Lower	Upper
264	100		
260	24.1	18.7	28.1
265	22.8	16.7	25.1

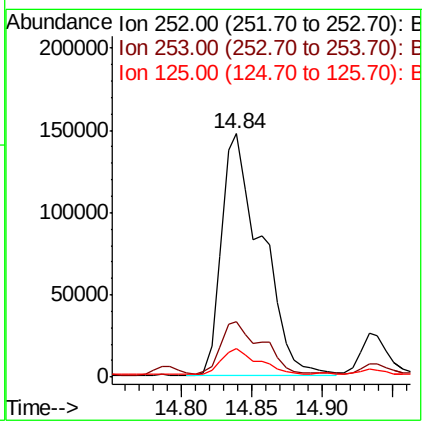


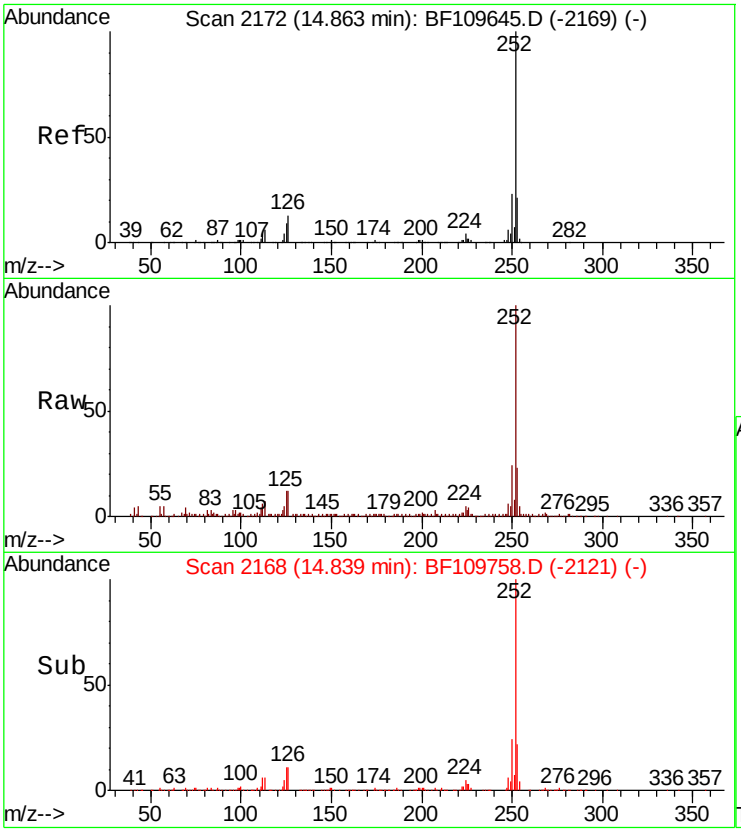


#87
Benzo(b)fluoranthene
Concen: 27.950 ng
RT: 14.84 min Scan# 2168
Delta R.T. 0.01 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

Tgt Ion:252 Resp: 290985

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.2	25.8
125	11.6	8.2	12.4



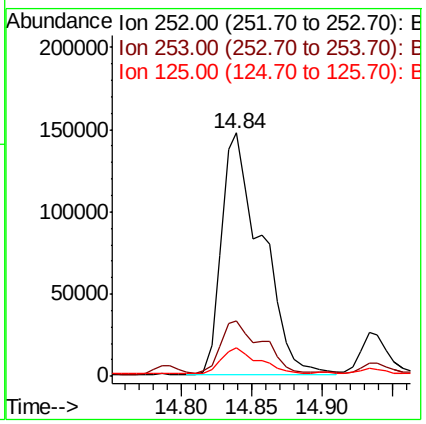


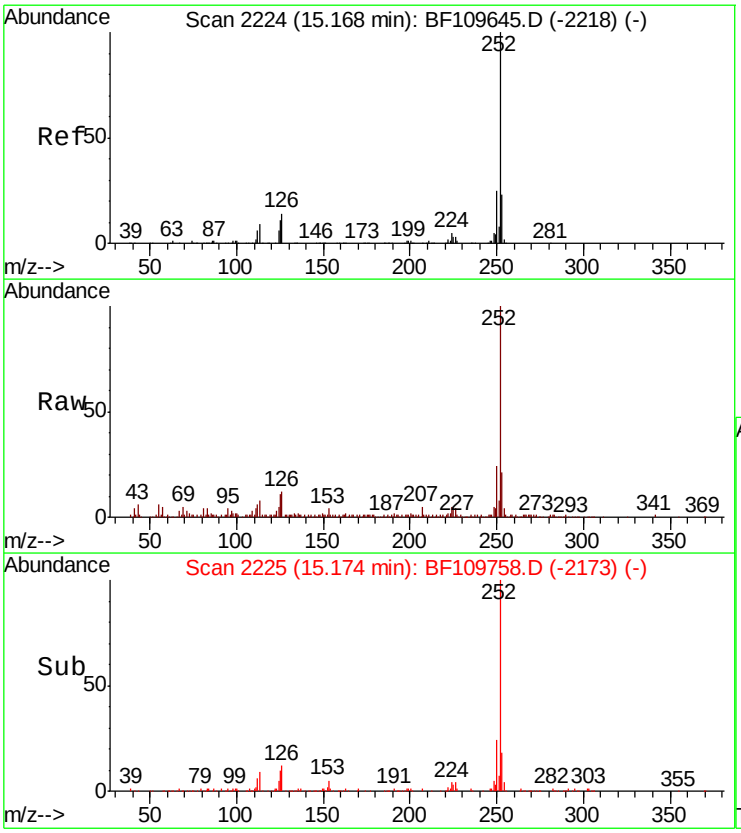
#88
Benzo(k)fluoranthene
Concen: 27.818 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.02 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

Instrument :
BNA_F
ClientSampleId :
OR-03-100818-A

Tgt Ion:252 Resp: 290985

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.2	25.8
125	11.6	7.4	11.0#

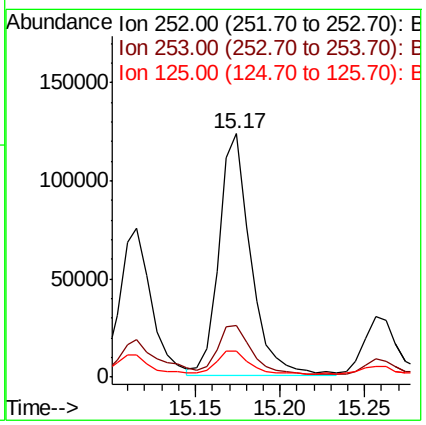


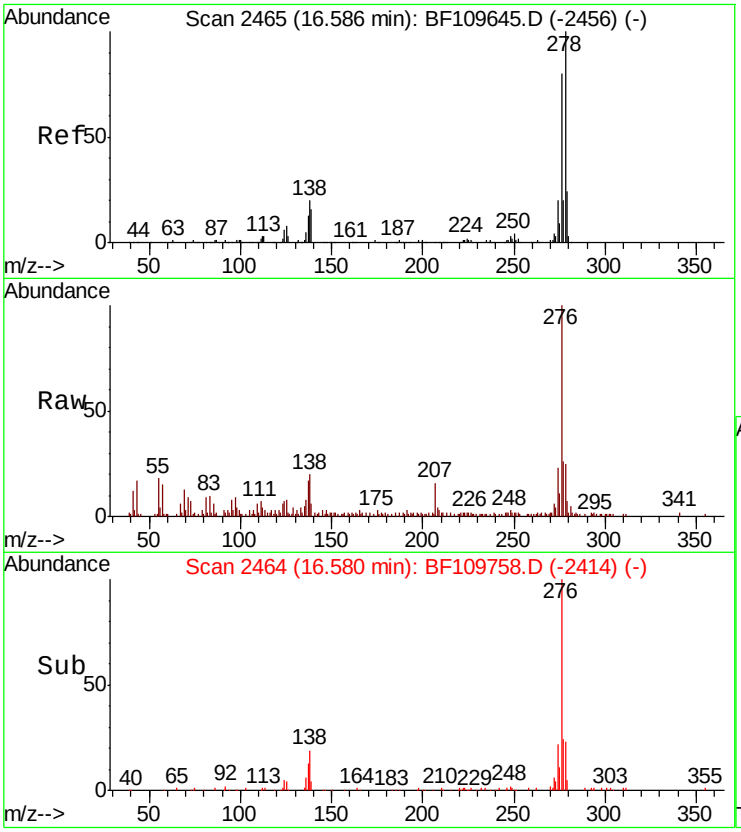


#89
Benzo(a)pyrene
Concen: 16.952 ng
RT: 15.17 min Scan# 2225
Delta R.T. 0.01 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

Tgt Ion:252 Resp: 160154

Ion	Ratio	Lower	Upper
252	100		
253	21.4	18.2	27.4
125	10.6	9.0	13.6



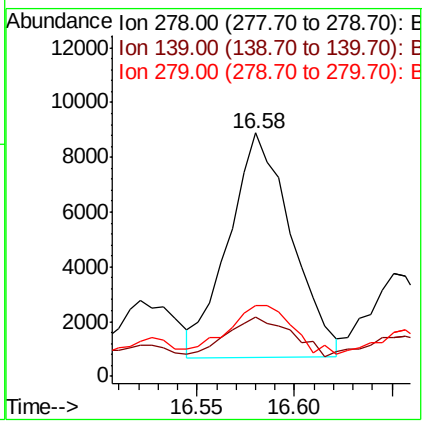


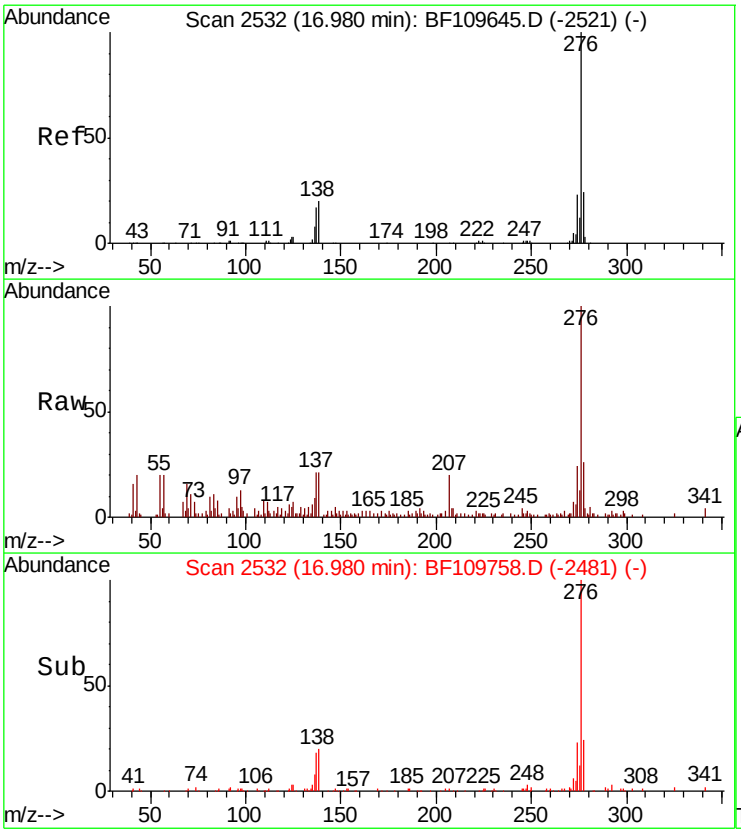
#90
Dibenzo(a,h)anthracene
Concen: 2.368 ng
RT: 16.58 min Scan# 2464
Delta R.T. -0.01 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

Instrument :
BNA_F
ClientSampleId :
OR-03-100818-A

Tgt Ion:278 Resp: 18376

Ion	Ratio	Lower	Upper
278	100		
139	24.3	12.7	19.1#
279	29.2	19.0	28.4#





#91
Benzo(g,h,i)perylene
Concen: 8.737 ng
RT: 16.98 min Scan# 2532
Delta R.T. 0.00 min
Lab File: BF109758.D
Acq: 10 Oct 2018 22:37

Tgt Ion:276 Resp: 67692

Ion	Ratio	Lower	Upper
276	100		
277	25.9	18.8	28.2
138	21.3	16.0	24.0