Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108081.D
Acq On : 10 Aug 2018 14:00
Operator : JU/SJ
Sample : J4276-01RE 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OK-02-080718RE

Quant Time: Aug 10 14:54:37 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 08 12:24:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	327064	20.00	ng		0.00
21) Naphthalene-d8	8.30	136	1259225	20.00	ng		0.00
38) Acenaphthene-d10	10.07	164	617411	20.00	ng		0.00
63) Phenanthrene-d10	11.56	188	1037850	20.00	ng		0.00
75) Chrysene-d12	14.22	240	724483	20.00	ng		0.00
86) Perylene-d12	15.78	264	751297	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.62	112	168011	9.30	ng		0.00
7) Phenol-d6	6.62	99	238649	9.94	ng		-0.01
23) Nitrobenzene-d5	7.57	82	154729	6.86	ng		0.00
41) 2,4,6-Tribromophenol	10.85	330	43298	7.03	ng		0.00
44) 2-Fluorobiphenyl	9.37	172	319168	8.30	ng		0.00
78) Terphenyl-d14	13.15	244	273764	9.61	ng		0.00
Target Compounds							Qvalue
25) Isophorone	7.57	82	154608	3.595	ng	#	65
32) Benzoic acid	7.95	122	239	5.993	ng	#	74
50) 2,6-Dinitrotoluene	10.07	165	82641	9.184	ng	#	26
56) 2,4-Dinitrotoluene	10.07	165	82641	7.135	ng	#	23
57) Fluorene	10.61	166	107712	2.696	ng		98
64) 4,6-Dinitro-2-methylphenol	10.85	198	113	5.384	ng	#	1
70) Phenanthrene	11.58	178	897975	18.344	ng		99
71) Anthracene	11.64	178	286735	5.715	ng		100
72) Carbazole	11.78	167	118061	2.649	ng		98
74) Fluoranthene	12.78	202	1099767	20.585	ng		95
77) Pyrene	13.01	202	998782	21.775	ng		99
80) Benzo(a)anthracene	14.21	228	606808	14.594	ng		97
82) Chrysene	14.24	228	489026	12.829	ng		97
87) Benzo(b)fluoranthene	15.31	252	904135	20.140	ng		97
88) Benzo(k)fluoranthene	15.31	252	903468	21.893	ng		97
89) Benzo(a)pyrene	15.71	252	502855	12.509	ng		97

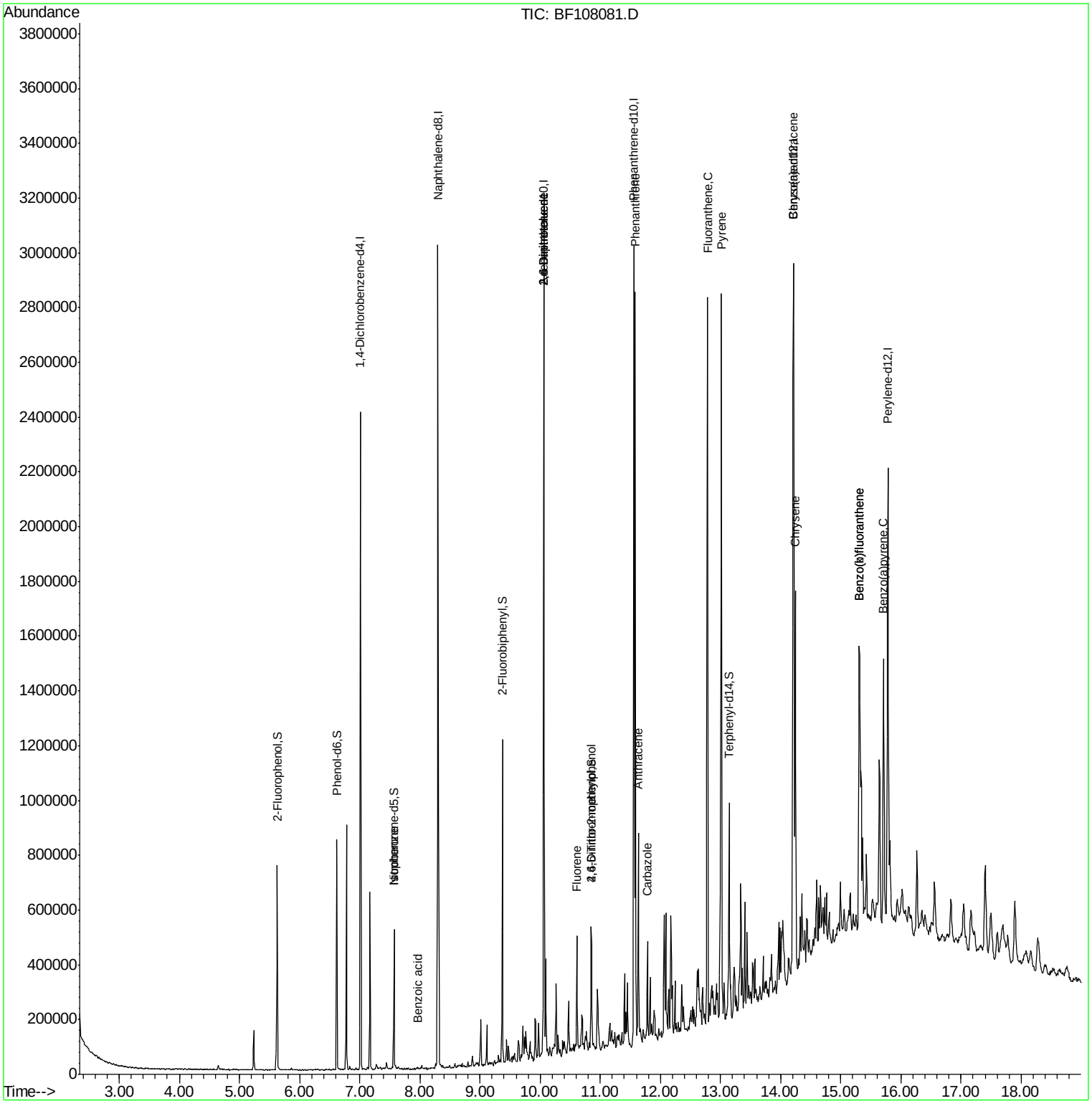
(#) = qualifier out of range (m) = manual integration (+) = signals summed

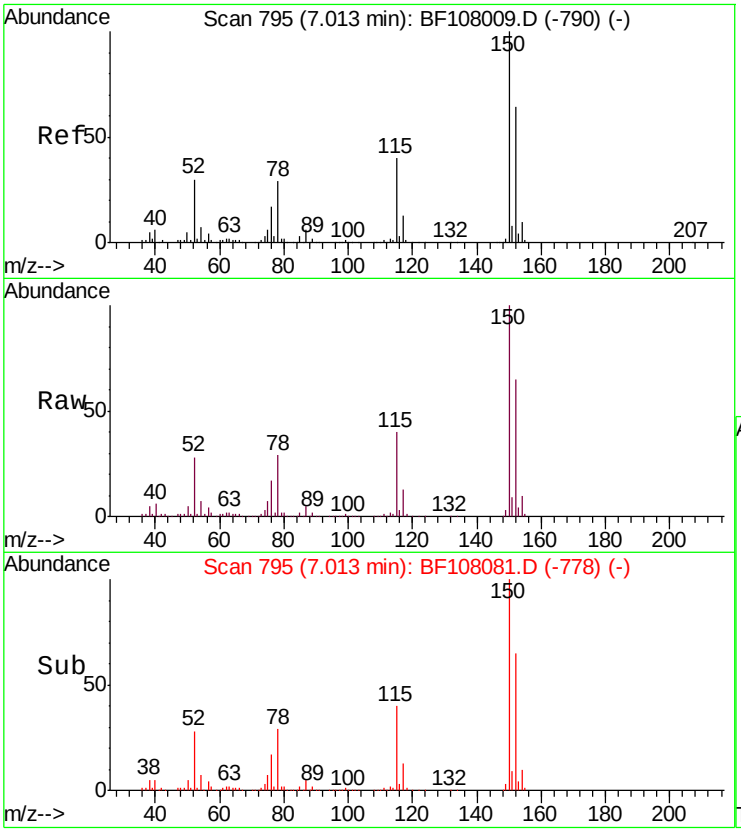
Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081018\
Data File : BF108081.D
Acq On : 10 Aug 2018 14:00
Operator : JU/SJ
Sample : J4276-01RE 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-02-080718RE

Quant Time: Aug 10 14:54:37 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 08 12:24:24 2018
Response via : Initial Calibration



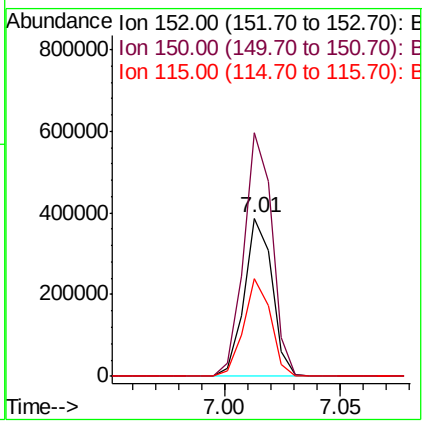


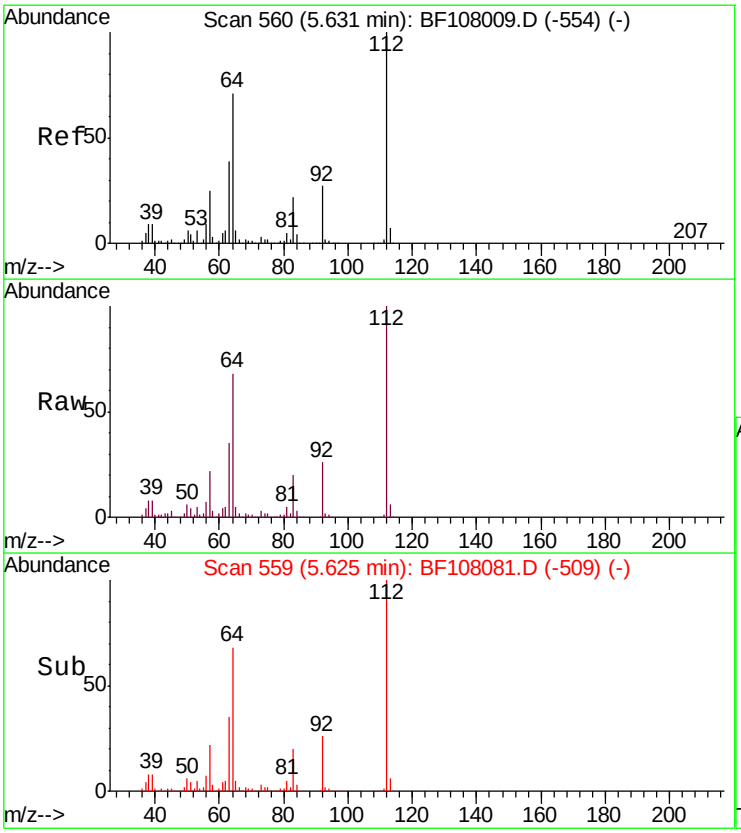
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 795
Delta R.T. 0.00 min
Lab File: BF108081.D
Acq: 10 Aug 2018 14:00

Instrument :
BNA_F
ClientSampleId :
OK-02-080718RE

Tgt Ion:152 Resp: 327064

Ion	Ratio	Lower	Upper
152	100		
150	154.1	124.6	186.8
115	62.2	50.1	75.1

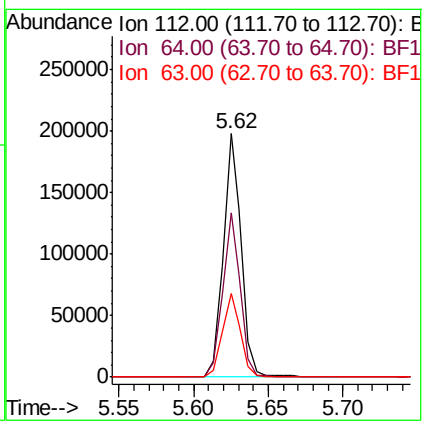


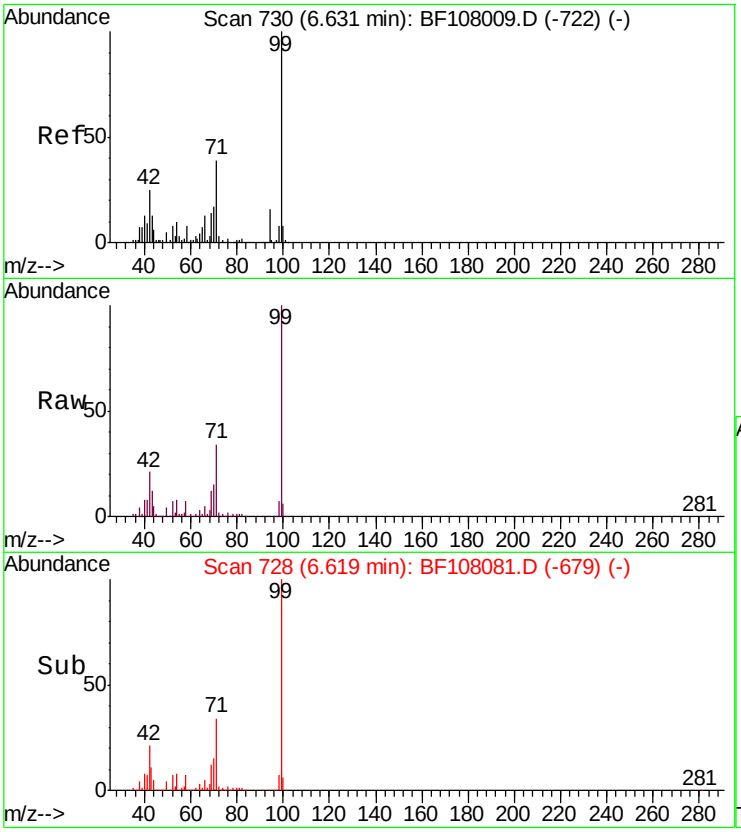


#5
2-Fluorophenol
Concen: 9.300 ng
RT: 5.62 min Scan# 559
Delta R.T. -0.01 min
Lab File: BF108081.D
Acq: 10 Aug 2018 14:00

Tgt Ion:112 Resp: 168011

Ion	Ratio	Lower	Upper
112	100		
64	67.5	47.9	71.9
63	34.6	23.7	35.5



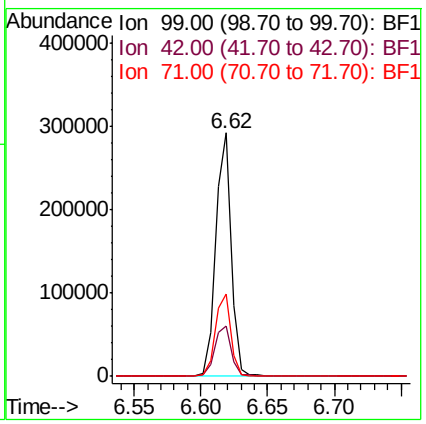


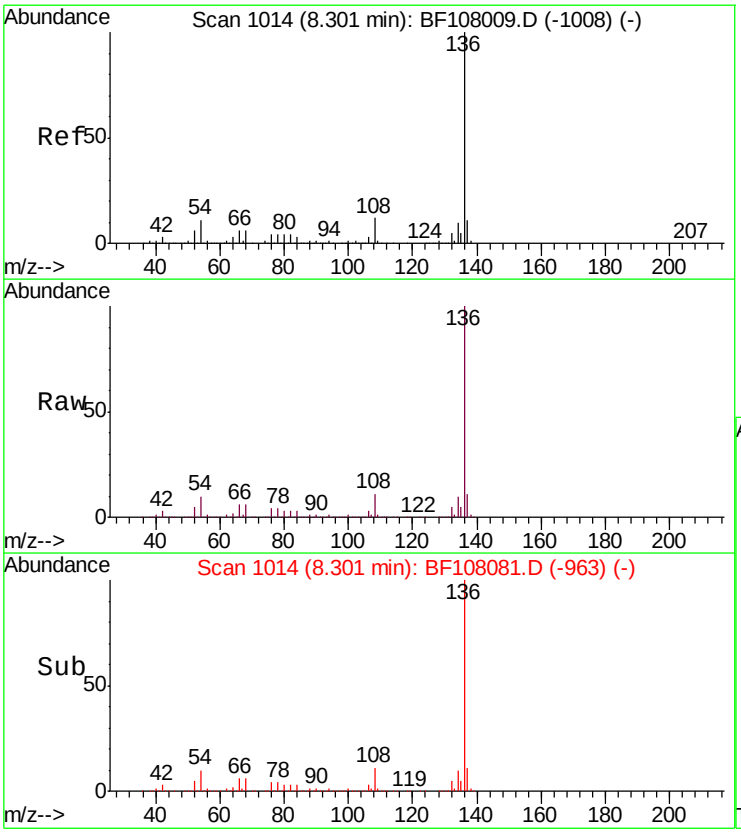
#7
Phenol-d6
Concen: 9.941 ng
RT: 6.62 min Scan# 728
Delta R.T. -0.01 min
Lab File: BF108081.D
Acq: 10 Aug 2018 14:00

Instrument :
BNA_F
ClientSampleId :
OK-02-080718RE

Tgt Ion: 99 Resp: 238649

Ion	Ratio	Lower	Upper
99	100		
42	20.8	14.5	21.7
71	33.7	25.4	38.0

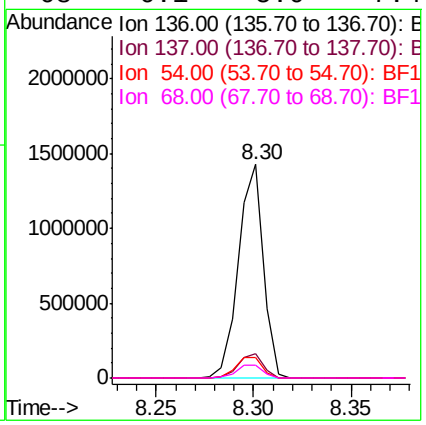


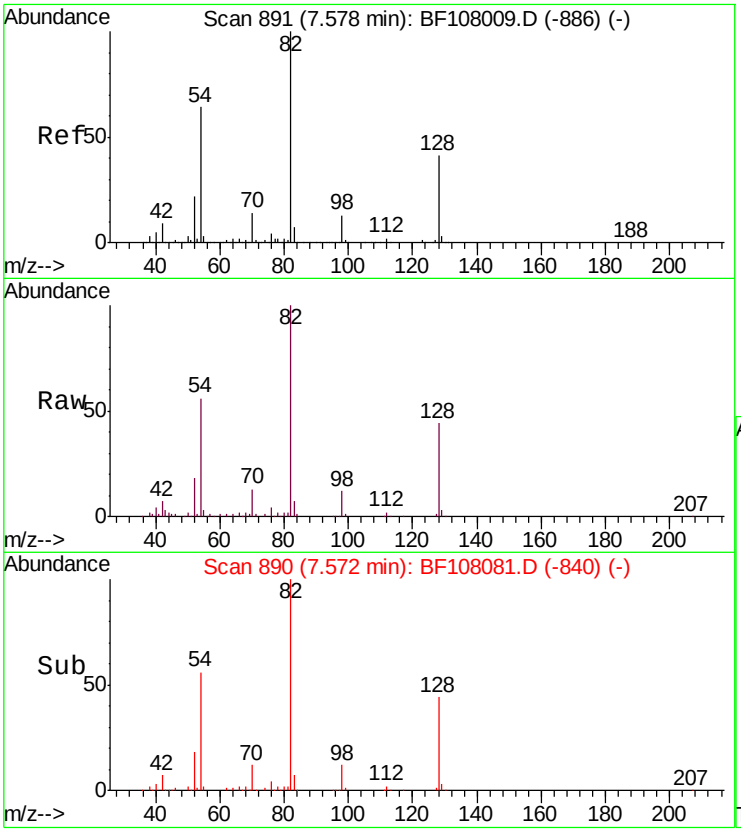


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.30 min Scan# 1014
Delta R.T. 0.00 min
Lab File: BF108081.D
Acq: 10 Aug 2018 14:00

Tgt Ion:136 Resp: 1259225

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	9.8	6.6	9.8
68	6.1	5.0	7.4



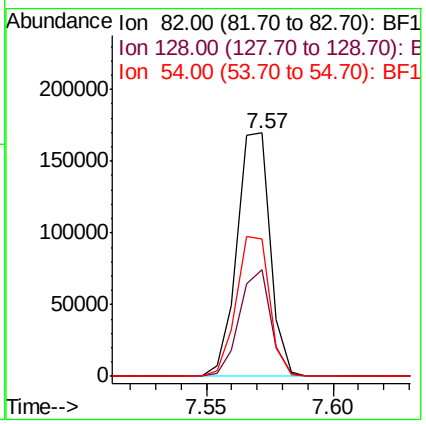


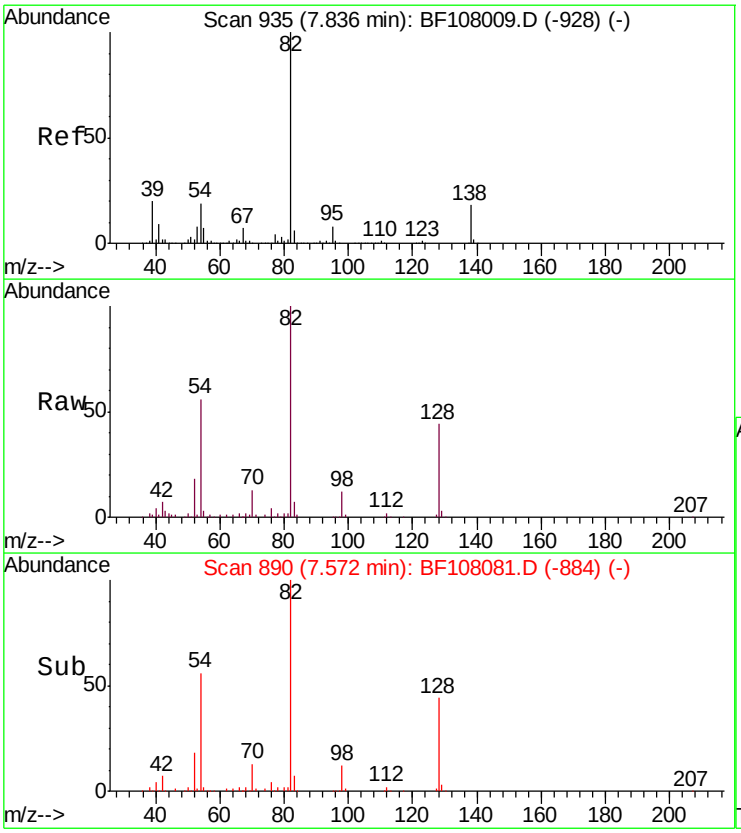
#23
Nitrobenzene-d5
Concen: 6.857 ng
RT: 7.57 min Scan# 890
Delta R.T. -0.01 min
Lab File: BF108081.D
Acq: 10 Aug 2018 14:00

Instrument :
BNA_F
ClientSampleId :
OK-02-080718RE

Tgt Ion: 82 Resp: 154729

Ion	Ratio	Lower	Upper
82	100		
128	44.0	36.1	54.1
54	56.3	41.4	62.2

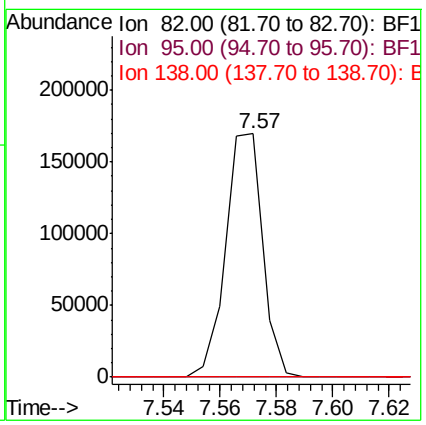


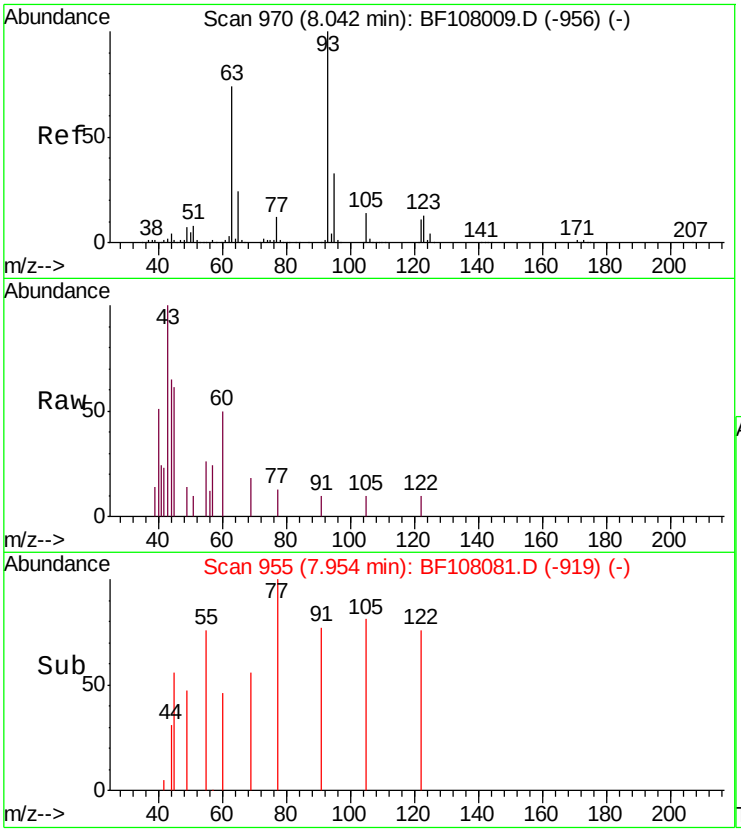


#25
Isophorone
Concen: 3.595 ng
RT: 7.57 min Scan# 890
Delta R.T. -0.26 min
Lab File: BF108081.D
Acq: 10 Aug 2018 14:00

Tgt Ion: 82 Resp: 154608

Ion	Ratio	Lower	Upper
82	100		
95	0.3	5.2	7.8#
138	0.0	14.9	22.3#



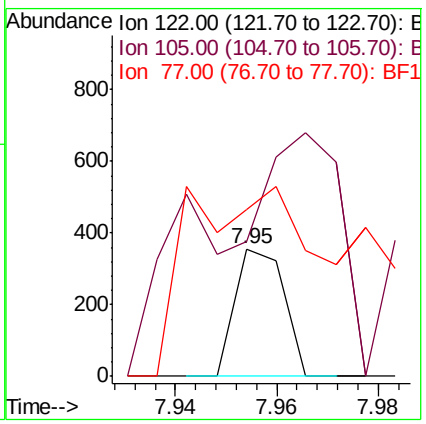


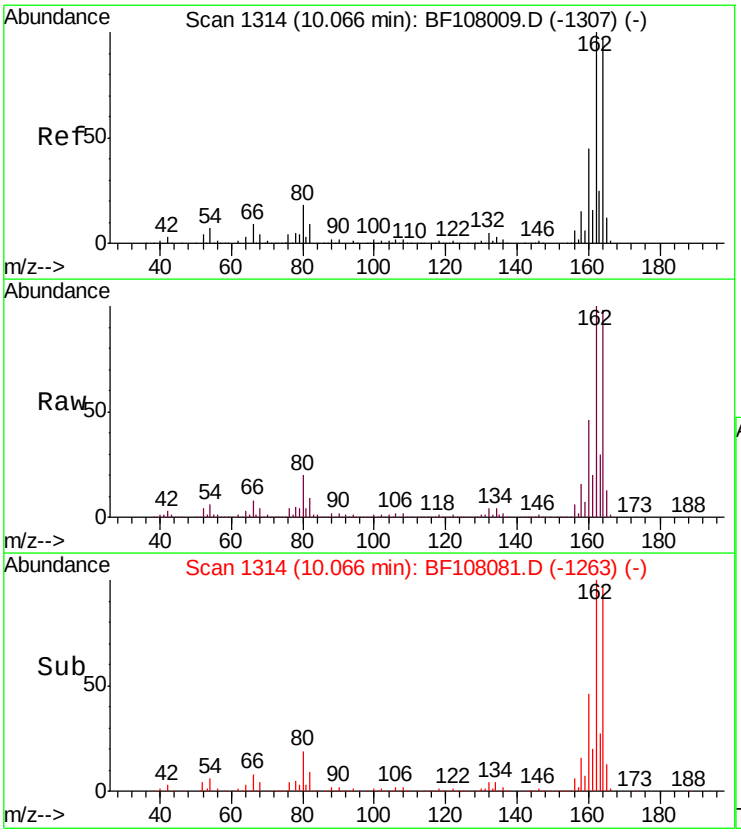
#32
Benzoic acid
Concen: 5.993 ng
RT: 7.95 min Scan# 955
Delta R.T. -0.09 min
Lab File: BF108081.D
Acq: 10 Aug 2018 14:00

Instrument :
BNA_F
ClientSampleId :
OK-02-080718RE

Tgt Ion:122 Resp: 239

Ion	Ratio	Lower	Upper
122	100		
105	106.5	101.1	141.1
77	131.0	70.7	110.7#

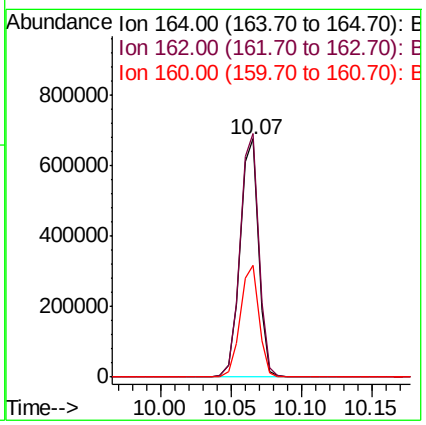


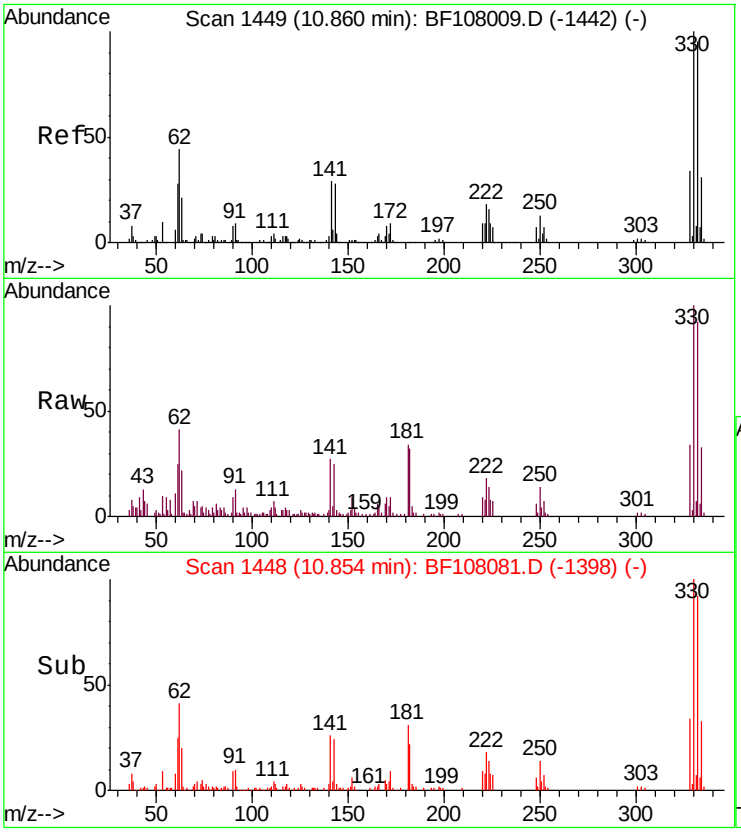


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.07 min Scan# 1314
Delta R.T. 0.00 min
Lab File: BF108081.D
Acq: 10 Aug 2018 14:00

Tgt Ion:164 Resp: 617411

Ion	Ratio	Lower	Upper
164	100		
162	102.3	86.1	129.1
160	46.9	38.3	57.5



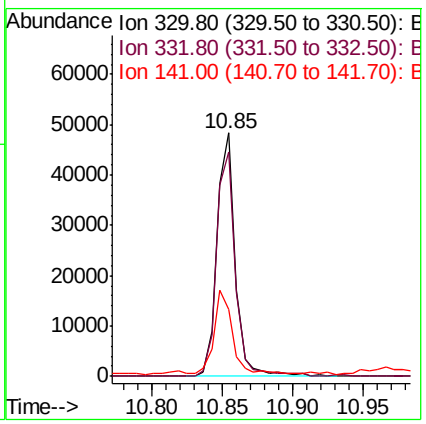


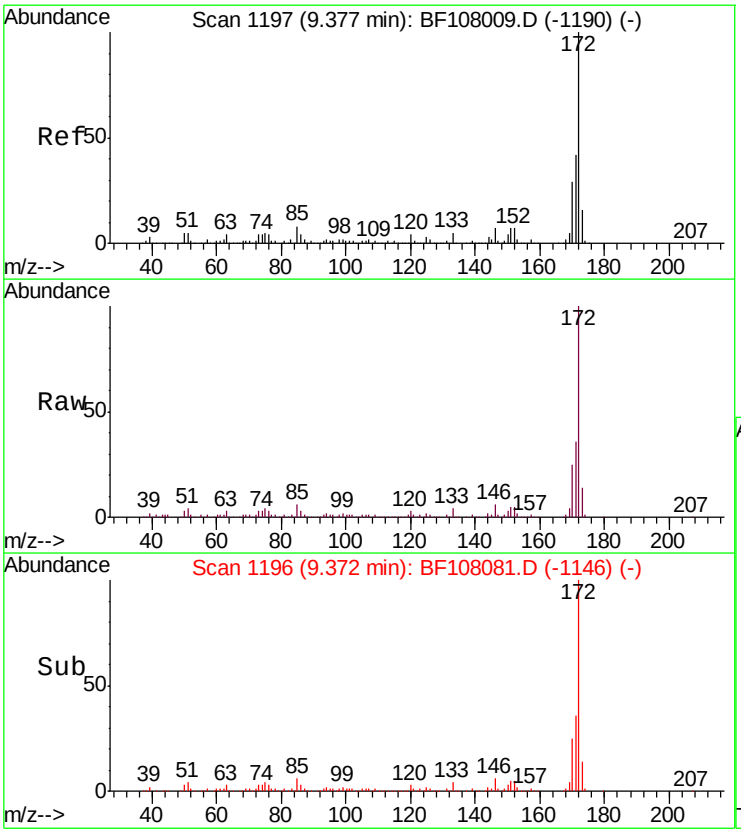
#41
2,4,6-Tribromophenol
Concen: 7.031 ng
RT: 10.85 min Scan# 1448
Delta R.T. -0.01 min
Lab File: BF108081.D
Acq: 10 Aug 2018 14:00

Instrument :
BNA_F
ClientSampleId :
OK-02-080718RE

Tgt Ion:330 Resp: 43298

Ion	Ratio	Lower	Upper
330	100		
332	95.6	77.0	115.6
141	33.5	29.9	44.9

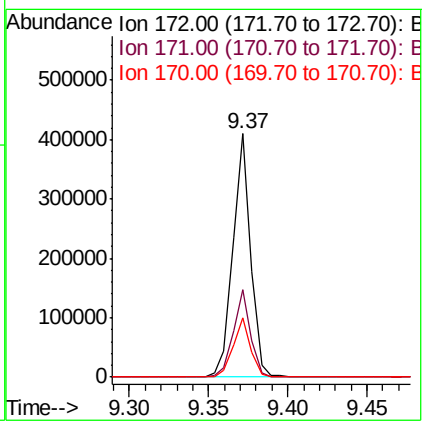


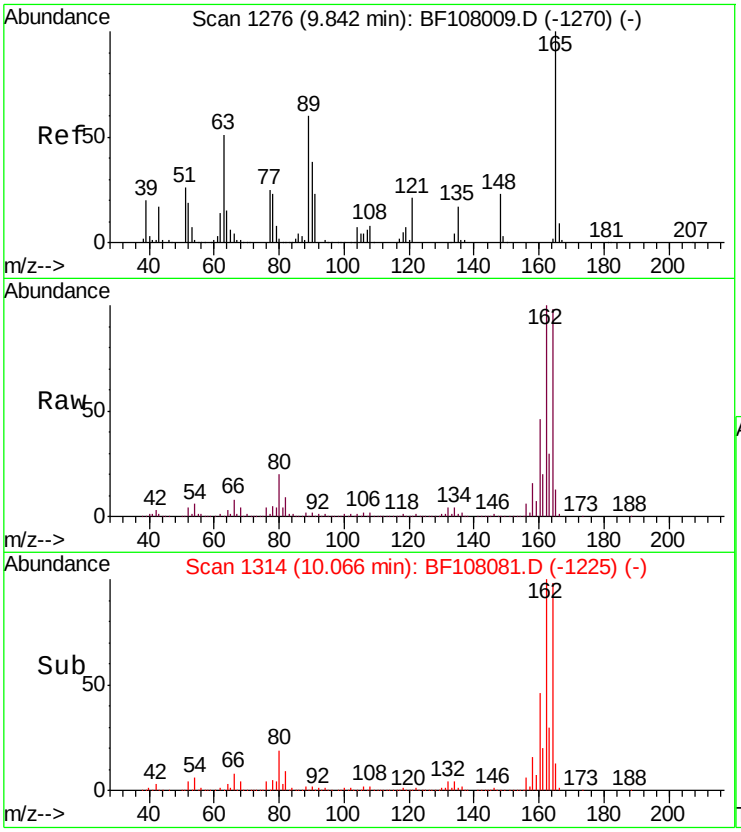


#44
2-Fluorobiphenyl
Concen: 8.299 ng
RT: 9.37 min Scan# 1196
Delta R.T. -0.01 min
Lab File: BF108081.D
Acq: 10 Aug 2018 14:00

Tgt Ion:172 Resp: 319168

Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	24.5	19.6	29.4



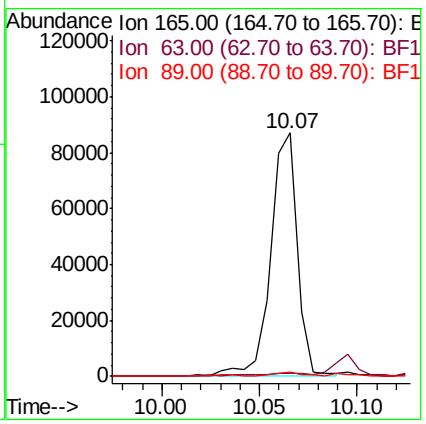


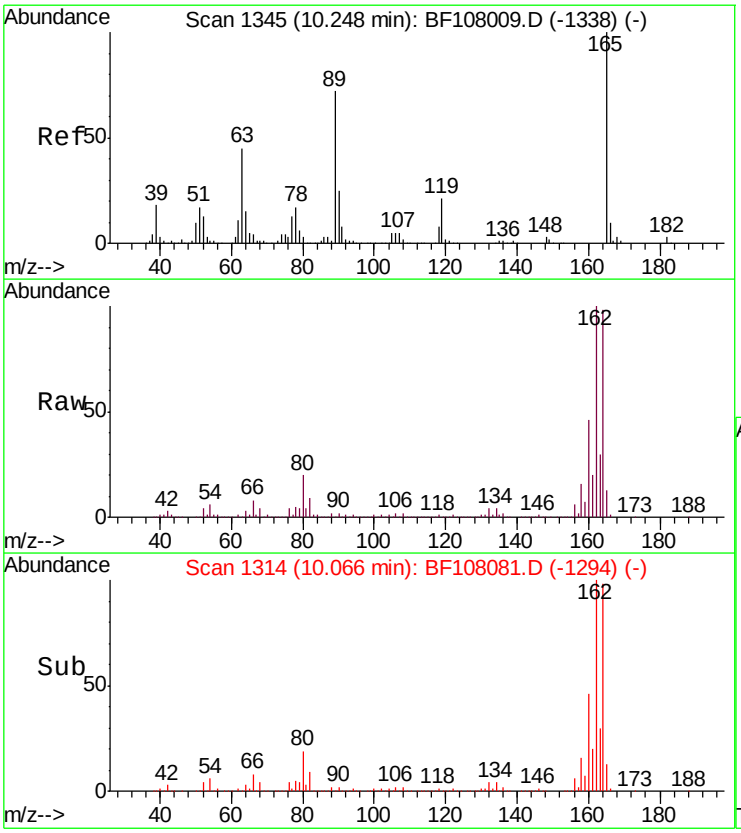
#50
2,6-Dinitrotoluene
Concen: 9.184 ng
RT: 10.07 min Scan# 1314
Delta R.T. 0.22 min
Lab File: BF108081.D
Acq: 10 Aug 2018 14:00

Instrument :
BNA_F
ClientSampleId :
OK-02-080718RE

Tgt Ion:165 Resp: 82641

Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.7	67.1#
89	1.8	44.0	66.0#

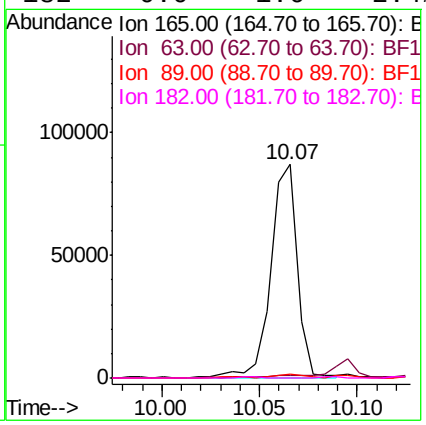


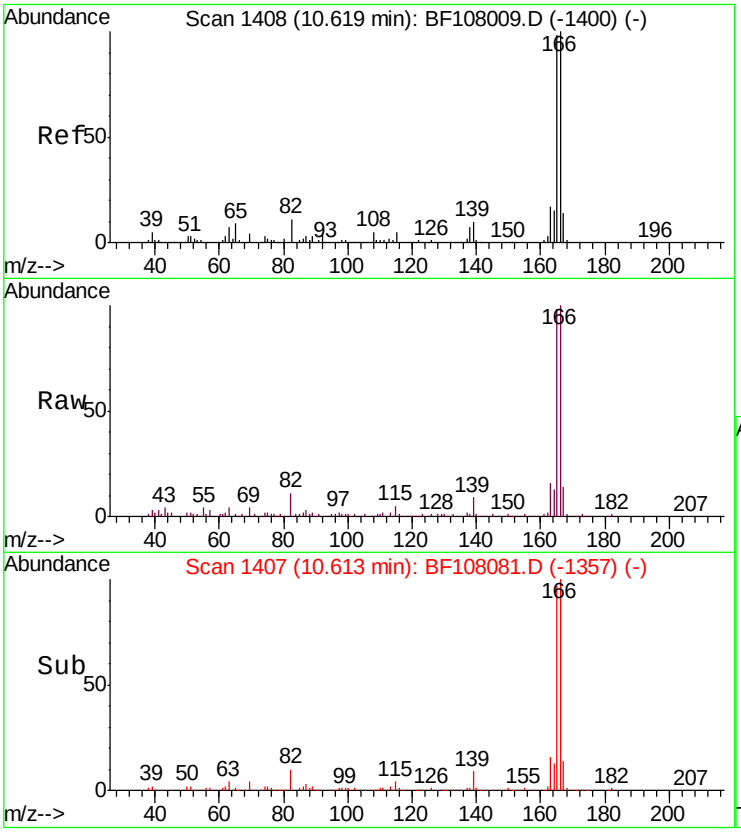


#56
2,4-Dinitrotoluene
Concen: 7.135 ng
RT: 10.07 min Scan# 1314
Delta R.T. -0.18 min
Lab File: BF108081.D
Acq: 10 Aug 2018 14:00

Tgt Ion:165 Resp: 82641

Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.8	57.8	86.6#
182	0.0	1.6	2.4#



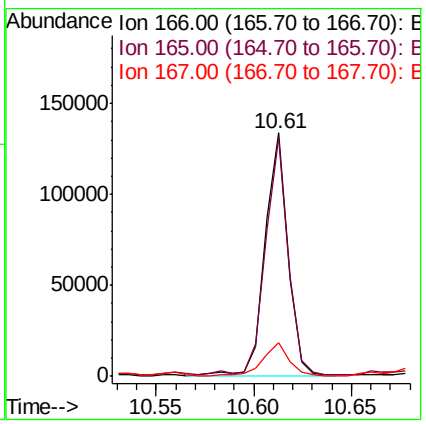


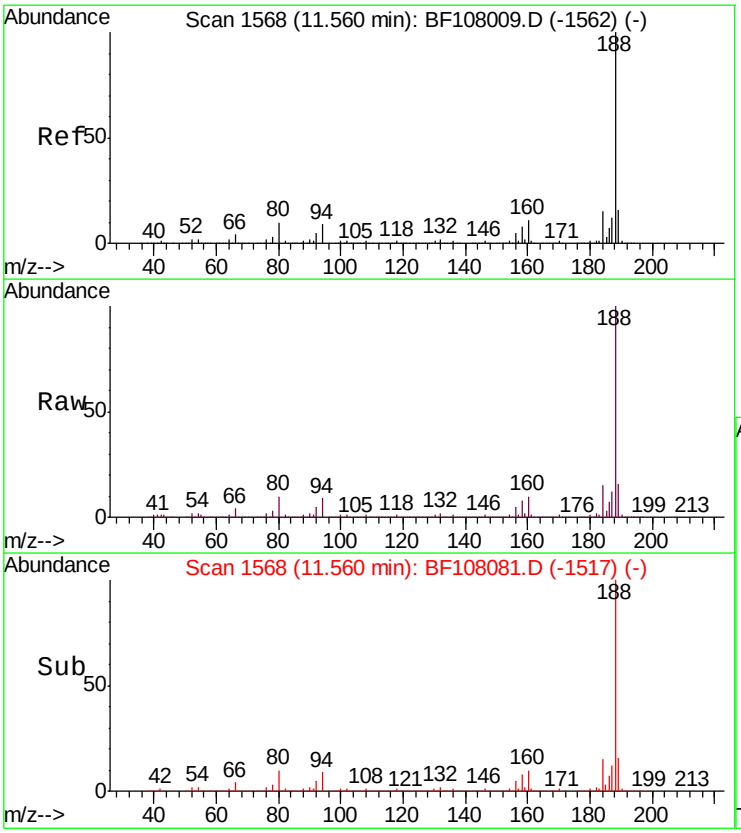
#57
Fluorene
Concen: 2.696 ng
RT: 10.61 min Scan# 1407
Delta R.T. -0.01 min
Lab File: BF108081.D
Acq: 10 Aug 2018 14:00

Instrument :
BNA_F
ClientSampleId :
OK-02-080718RE

Tgt Ion:166 Resp: 107712

Ion	Ratio	Lower	Upper
166	100		
165	97.7	79.8	119.8
167	13.9	10.6	16.0

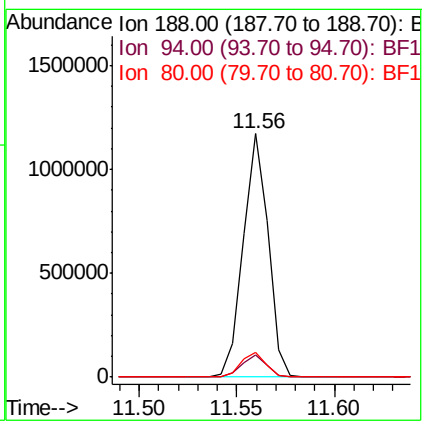


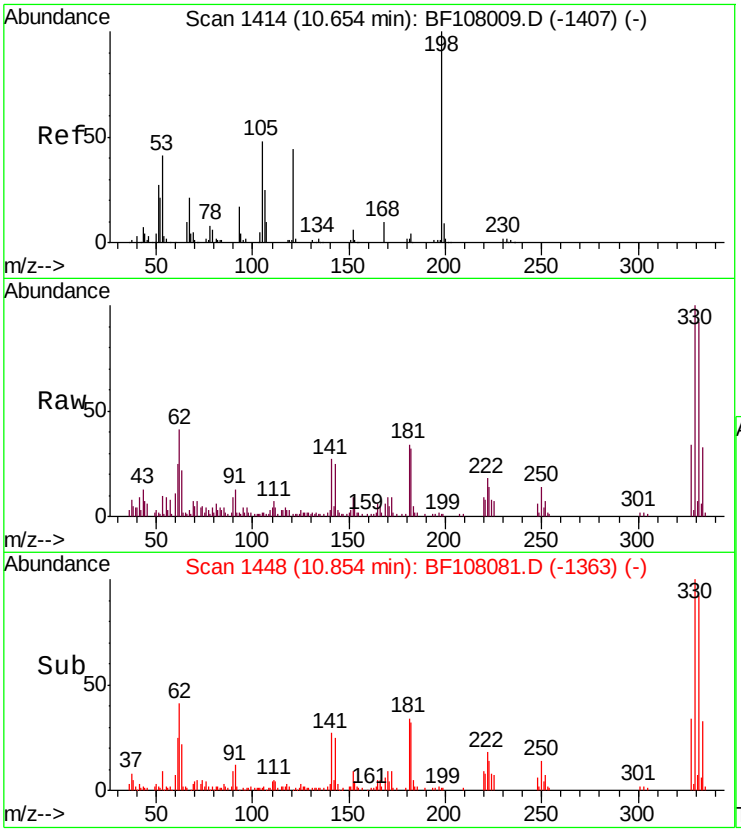


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.56 min Scan# 1568
Delta R.T. 0.00 min
Lab File: BF108081.D
Acq: 10 Aug 2018 14:00

Tgt Ion:188 Resp: 1037850

Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.5	12.7
80	10.3	9.2	13.8



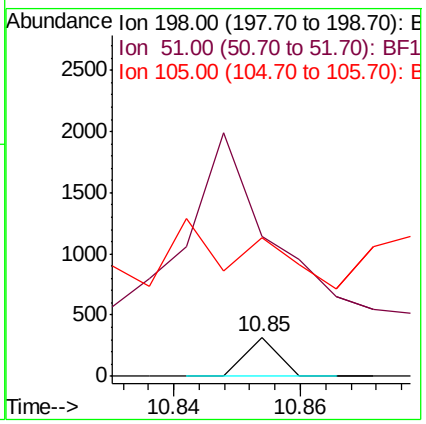


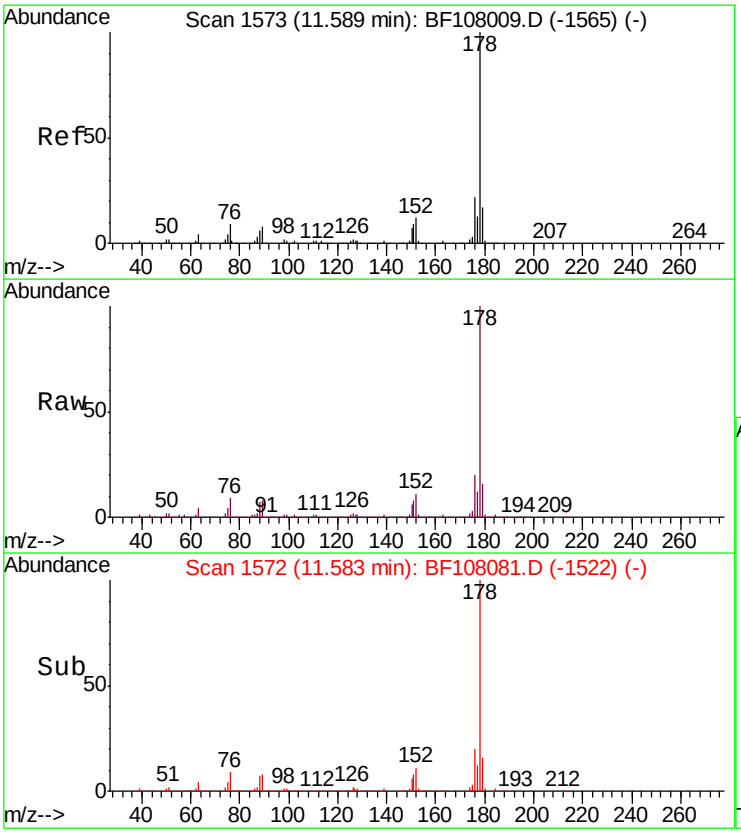
#64
4,6-Dinitro-2-methylphenol
Concen: 5.384 ng
RT: 10.85 min Scan# 1448
Delta R.T. 0.20 min
Lab File: BF108081.D
Acq: 10 Aug 2018 14:00

Instrument :
BNA_F
ClientSampleId :
OK-02-080718RE

Tgt Ion:198 Resp: 113

Ion	Ratio	Lower	Upper
198	100		
51	358.0	37.7	77.7#
105	354.9	36.3	76.3#

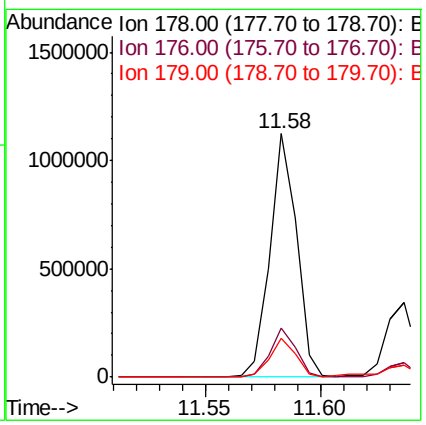


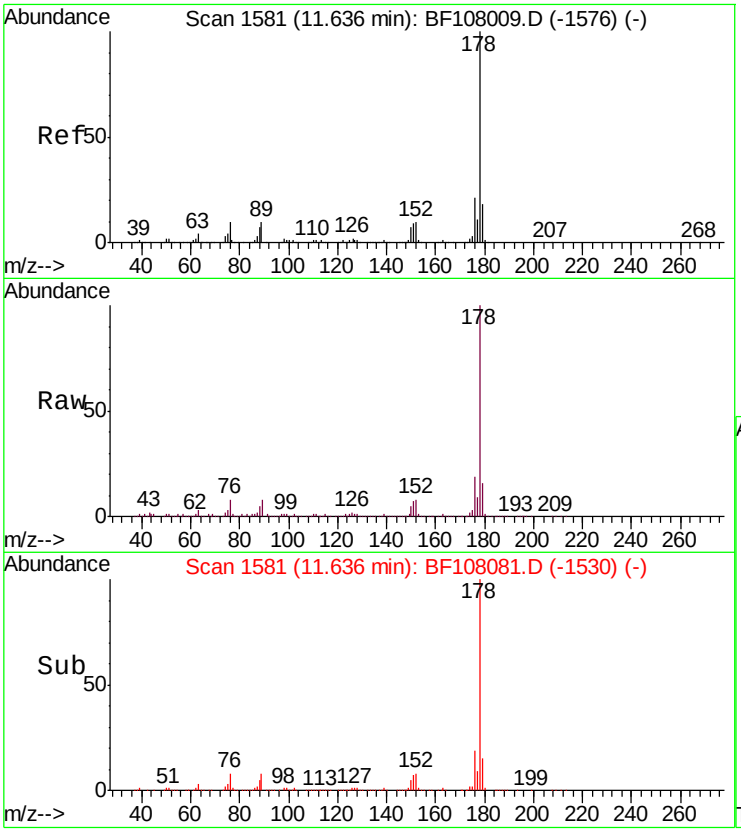


#70
Phenanthrene
Concen: 18.344 ng
RT: 11.58 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF108081.D
Acq: 10 Aug 2018 14:00

Tgt Ion:178 Resp: 897975

Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.8	23.8
179	16.2	13.0	19.6



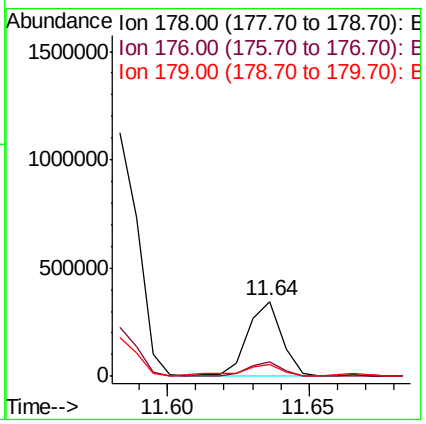


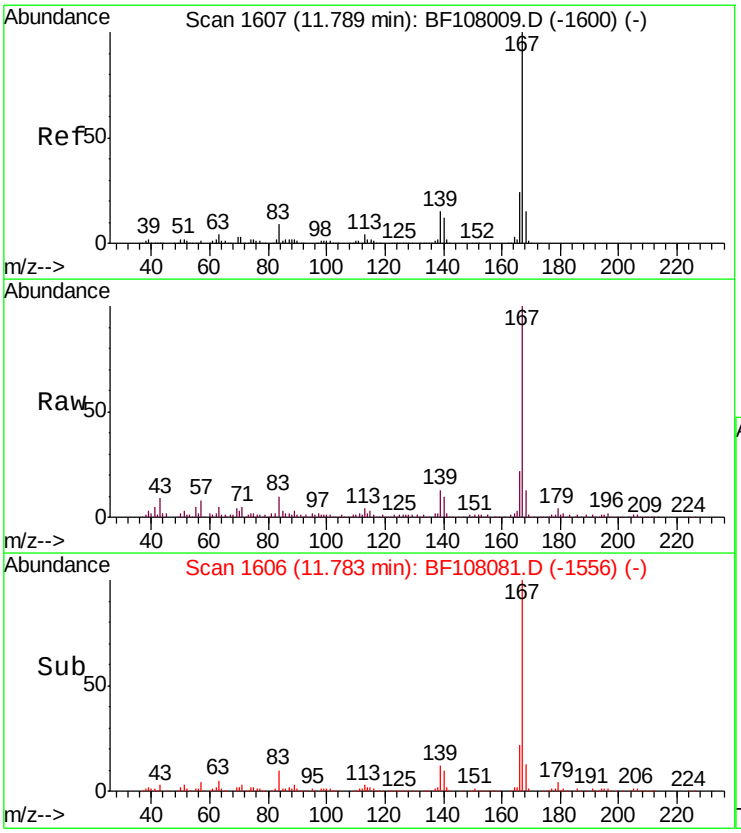
#71
Anthracene
Concen: 5.715 ng
RT: 11.64 min Scan# 1581
Delta R.T. 0.00 min
Lab File: BF108081.D
Acq: 10 Aug 2018 14:00

Instrument :
BNA_F
ClientSampleId :
OK-02-080718RE

Tgt Ion:178 Resp: 286735

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	15.6	12.6	19.0

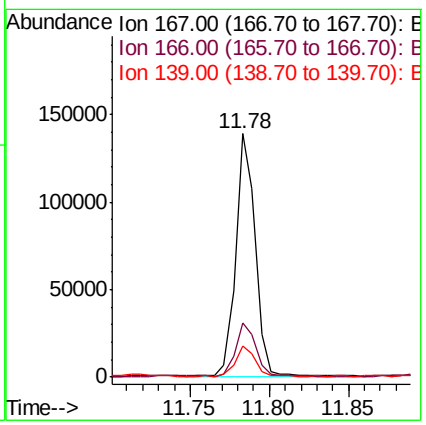


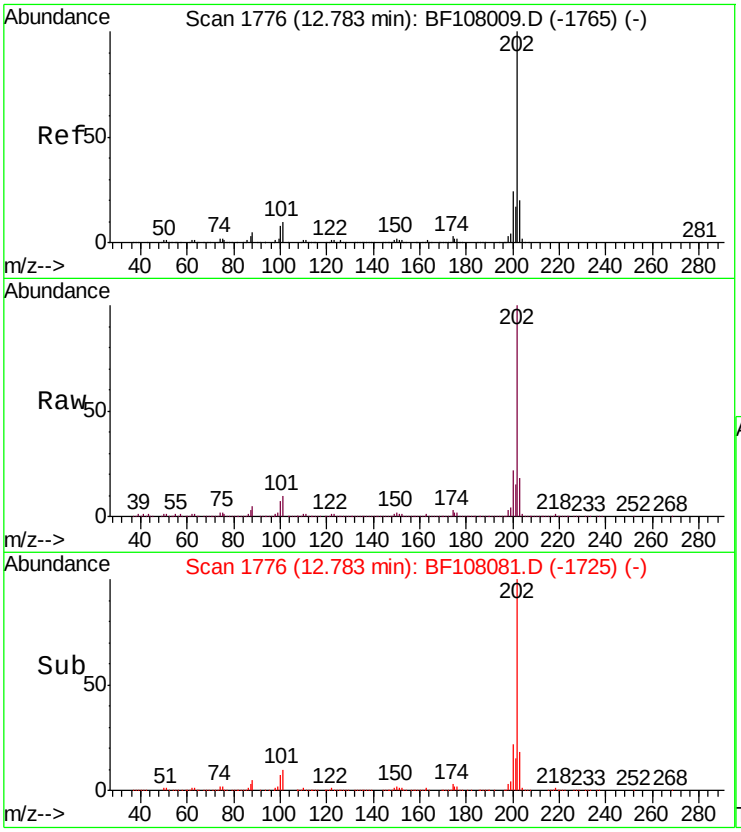


#72
Carbazole
Concen: 2.649 ng
RT: 11.78 min Scan# 1606
Delta R.T. -0.01 min
Lab File: BF108081.D
Acq: 10 Aug 2018 14:00

Tgt Ion:167 Resp: 118061

Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.6	26.4
139	12.6	10.9	16.3



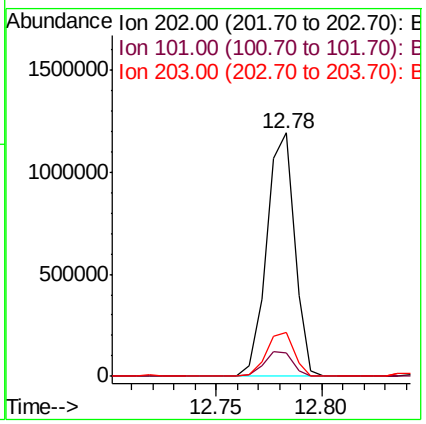


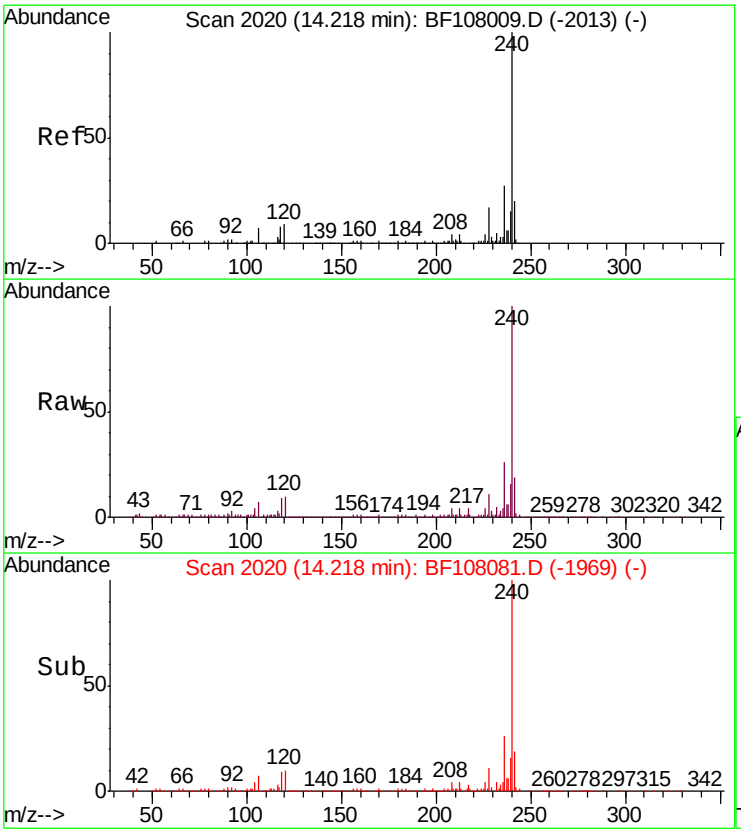
#74
Fluoranthene
Concen: 20.585 ng
RT: 12.78 min Scan# 1776
Delta R.T. 0.00 min
Lab File: BF108081.D
Acq: 10 Aug 2018 14:00

Instrument :
BNA_F
ClientSampleId :
OK-02-080718RE

Tgt Ion:202 Resp: 1099767

Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	34.1
203	18.2	0.0	38.1

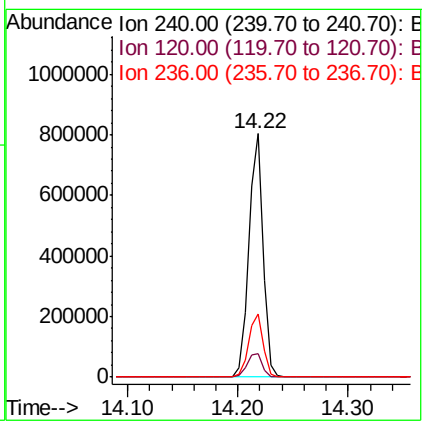


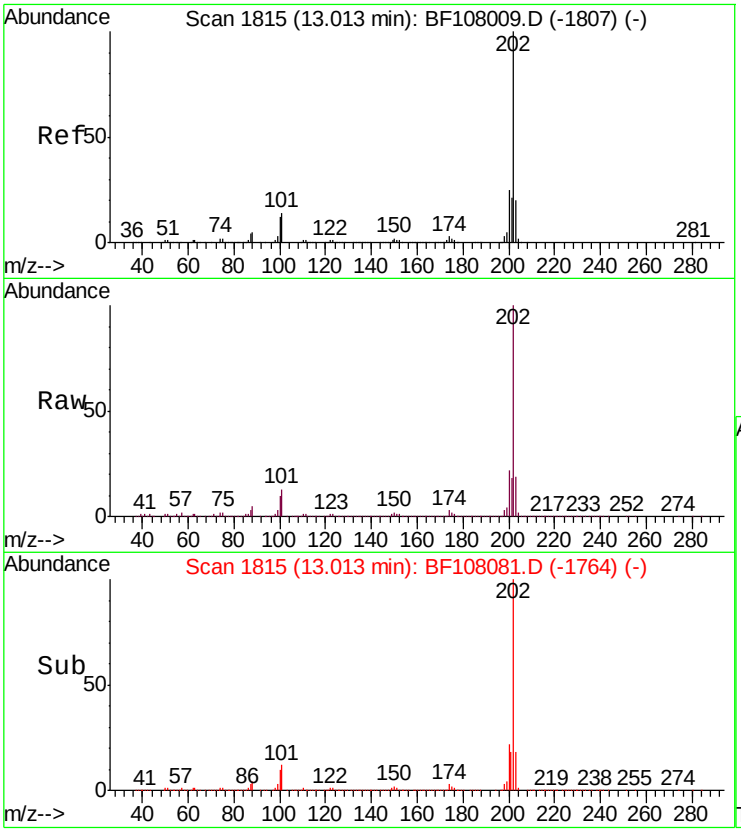


#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.22 min Scan# 2020
Delta R.T. 0.00 min
Lab File: BF108081.D
Acq: 10 Aug 2018 14:00

Tgt Ion:240 Resp: 724483

Ion	Ratio	Lower	Upper
240	100		
120	9.7	9.5	14.3
236	26.2	20.7	31.1



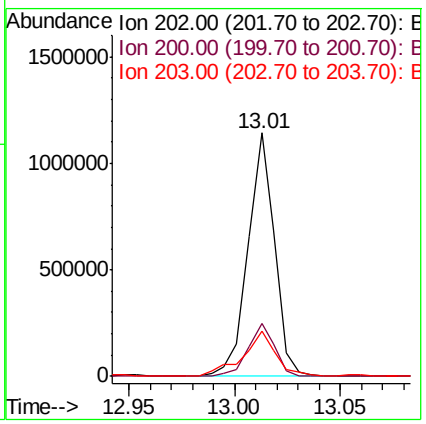


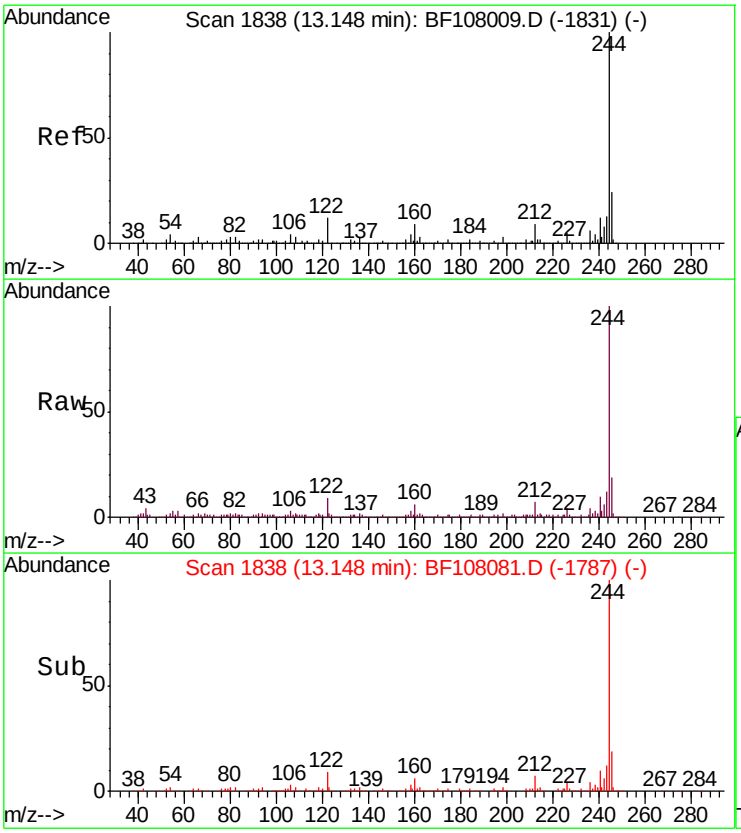
#77
Pyrene
Concen: 21.775 ng
RT: 13.01 min Scan# 1815
Delta R.T. 0.00 min
Lab File: BF108081.D
Acq: 10 Aug 2018 14:00

Instrument :
BNA_F
ClientSampleId :
OK-02-080718RE

Tgt Ion:202 Resp: 998782

Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.4	26.2
203	18.6	14.3	21.5

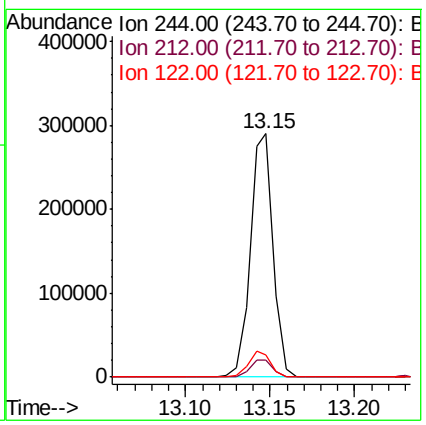


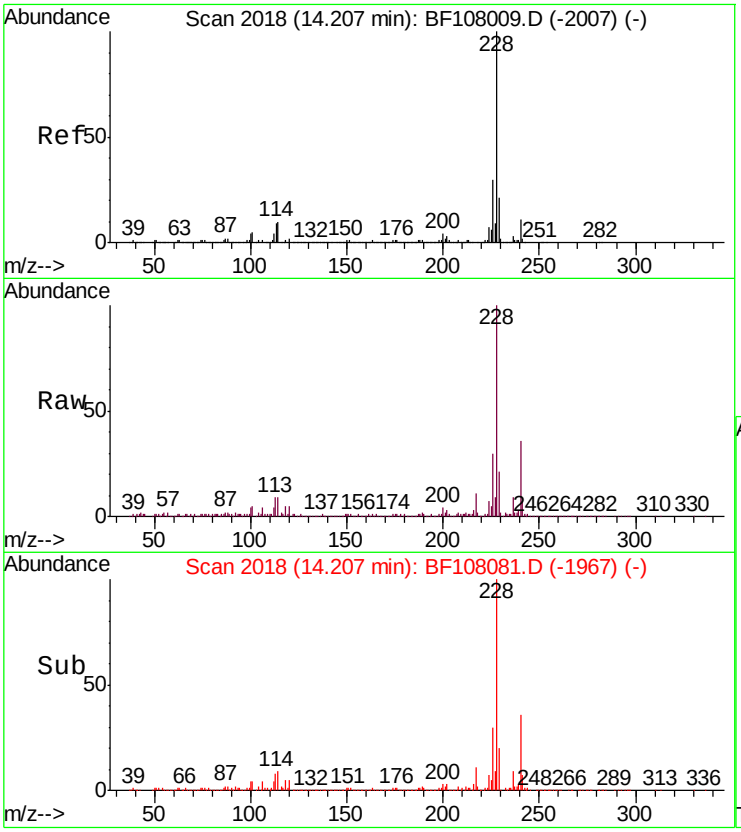


#78
Terphenyl-d14
Concen: 9.608 ng
RT: 13.15 min Scan# 1838
Delta R.T. 0.00 min
Lab File: BF108081.D
Acq: 10 Aug 2018 14:00

Tgt Ion:244 Resp: 273764

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	9.0	11.0	16.4#



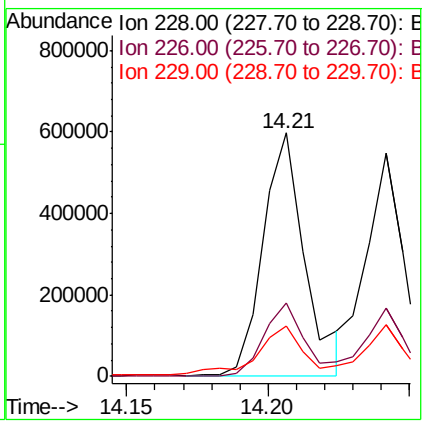


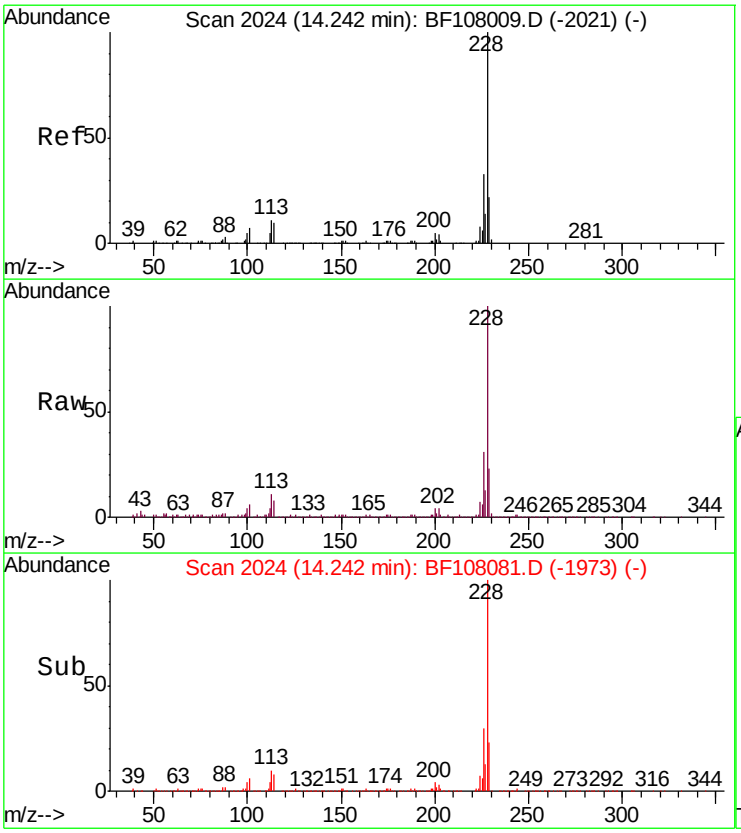
#80
Benzo(a)anthracene
Concen: 14.594 ng
RT: 14.21 min Scan# 2018
Delta R.T. 0.00 min
Lab File: BF108081.D
Acq: 10 Aug 2018 14:00

Instrument :
BNA_F
ClientSampleId :
OK-02-080718RE

Tgt Ion:228 Resp: 606808

Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.6	33.8
229	20.7	15.8	23.6

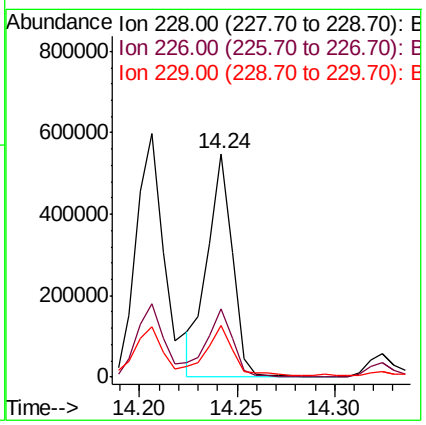


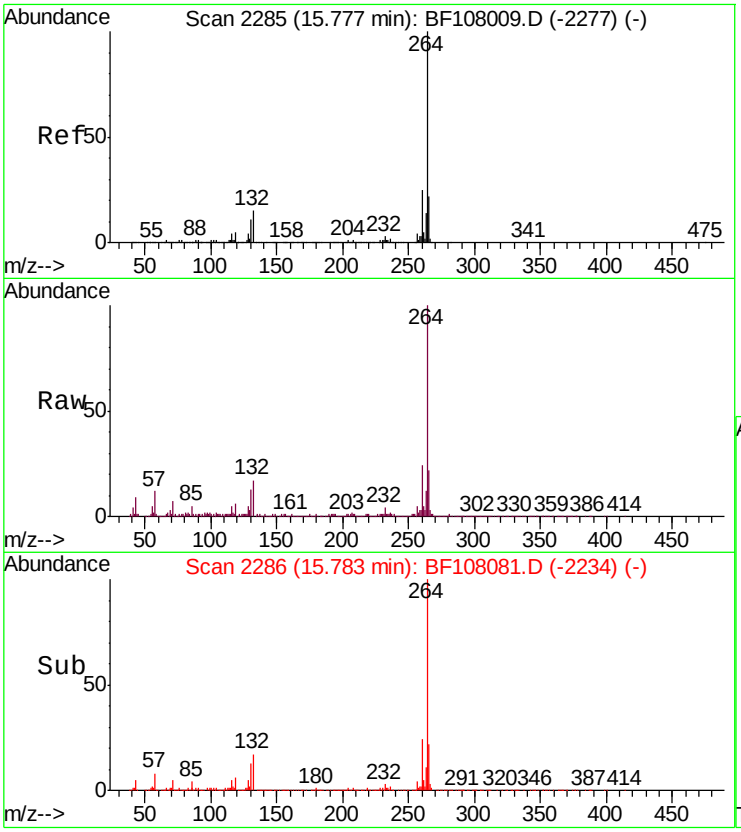


#82
Chrysene
Concen: 12.829 ng
RT: 14.24 min Scan# 2024
Delta R.T. 0.00 min
Lab File: BF108081.D
Acq: 10 Aug 2018 14:00

Tgt Ion:228 Resp: 489026

Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.6
229	23.1	16.2	24.4



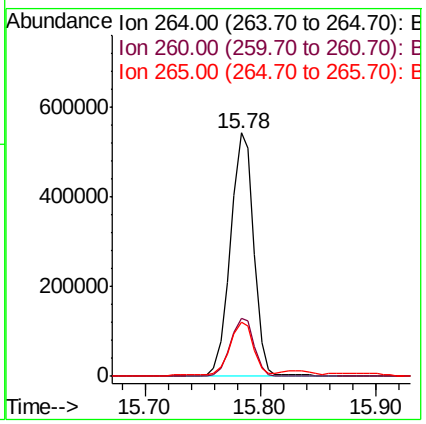


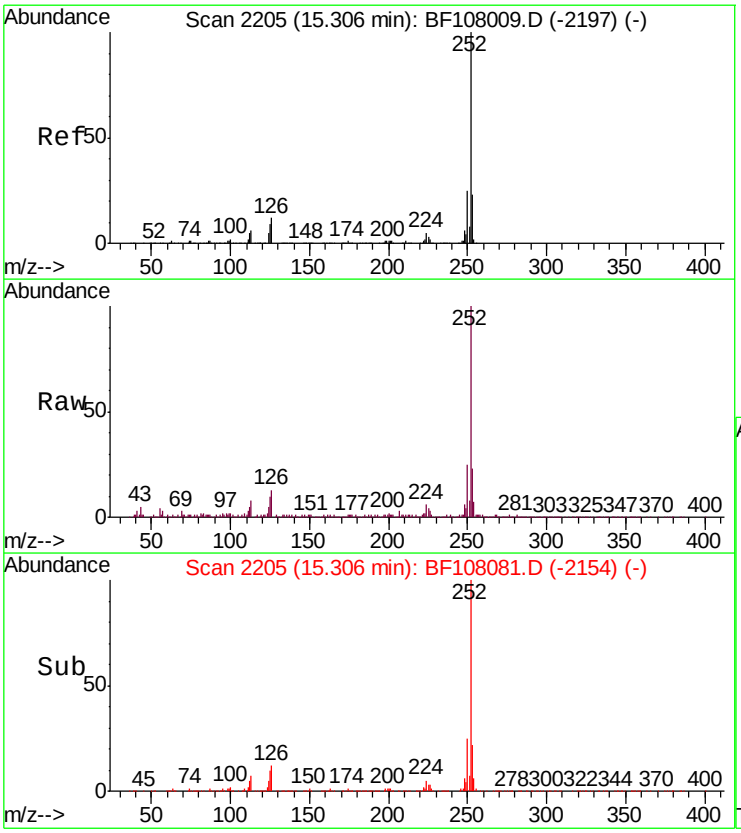
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.78 min Scan# 2286
Delta R.T. 0.01 min
Lab File: BF108081.D
Acq: 10 Aug 2018 14:00

Instrument :
BNA_F
ClientSampleId :
OK-02-080718RE

Tgt Ion:264 Resp: 751297

Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.4	17.5	26.3

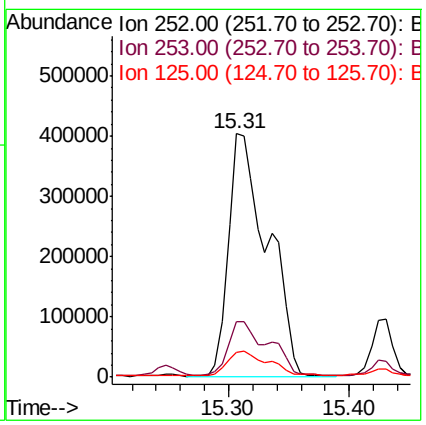


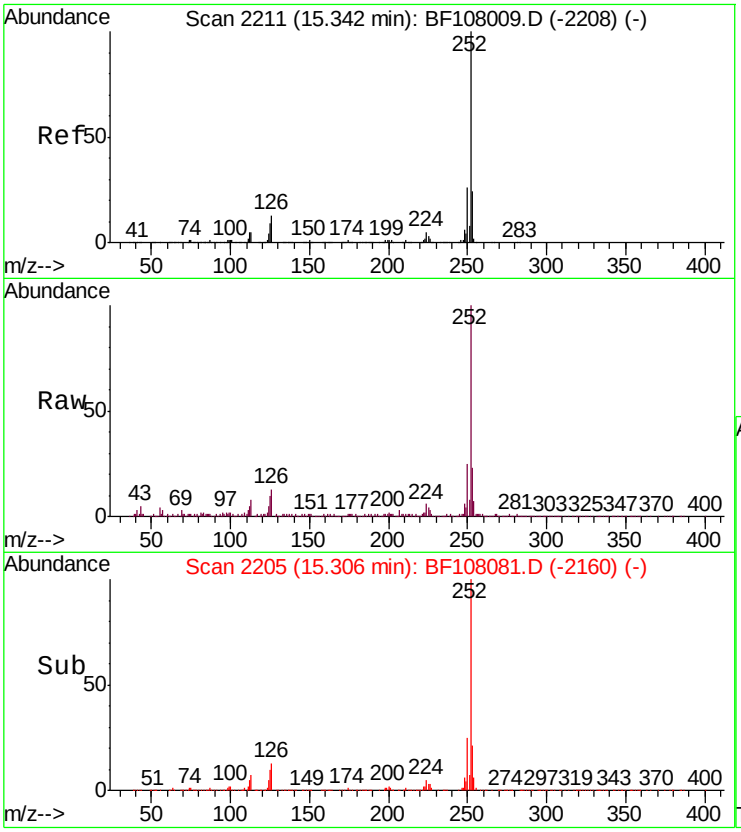


#87
Benzo(b)fluoranthene
Concen: 20.140 ng
RT: 15.31 min Scan# 2205
Delta R.T. 0.00 min
Lab File: BF108081.D
Acq: 10 Aug 2018 14:00

Tgt Ion:252 Resp: 904135

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	10.4	9.0	13.6



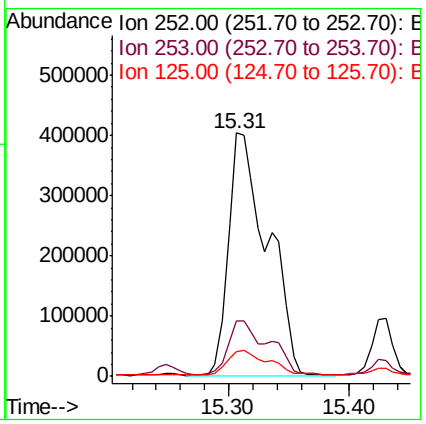


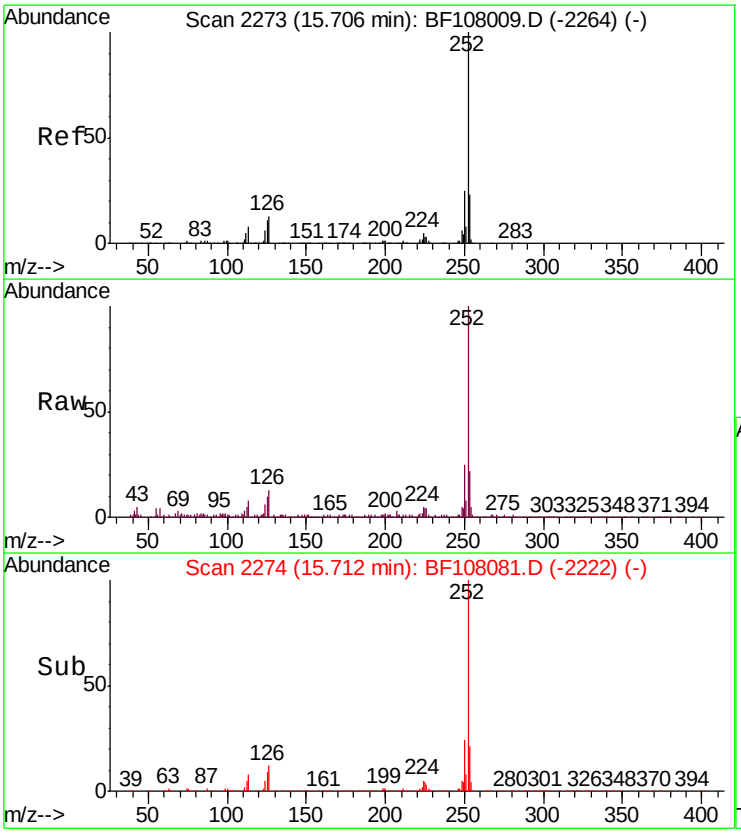
#88
Benzo(k)fluoranthene
Concen: 21.893 ng
RT: 15.31 min Scan# 2205
Delta R.T. -0.04 min
Lab File: BF108081.D
Acq: 10 Aug 2018 14:00

Instrument :
BNA_F
ClientSampleId :
OK-02-080718RE

Tgt Ion:252 Resp: 903468

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	10.4	10.2	15.2





#89
Benzo(a)pyrene
Concen: 12.509 ng
RT: 15.71 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF108081.D
Acq: 10 Aug 2018 14:00

Tgt Ion:252 Resp: 502855

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.1	25.7
125	10.1	9.8	14.6