Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF022618\
Data File : BF103231.D
Acq On : 26 Feb 2018 21:31
Operator : SJ/JU
Sample : J1691-45 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Feb 27 00:07:56 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 23 02:43:46 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	161446	20.00	ng		0.00
21) Naphthalene-d8	8.16	136	648252	20.00	ng		0.00
38) Acenaphthene-d10	9.92	164	254805	20.00	ng		0.00
63) Phenanthrene-d10	11.40	188	373393	20.00	ng		0.00
75) Chrysene-d12	14.06	240	230186	20.00	ng		0.01
86) Perylene-d12	15.57	264	177277	20.00	ng		0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.49	112	456166	42.73	ng		0.00
7) Phenol-d6	6.50	99	545888	41.79	ng		0.00
23) Nitrobenzene-d5	7.43	82	311003	27.40	ng		0.00
41) 2,4,6-Tribromophenol	10.70	330	82149	38.09	ng		0.00
44) 2-Fluorobiphenyl	9.23	172	515032	28.91	ng		0.00
78) Terphenyl-d14	12.99	244	351081	36.66	ng		0.00
Target Compounds							Qvalue
9) Benzaldehyde	6.43	77	3586	Below Cal		#	85
25) Isophorone	7.43	82	310422	13.89	ng	#	64
32) Benzoic acid	7.92	122	1217	7.07	ng		88
48) Acenaphthylene	9.77	152	168283	6.47	ng		98
50) 2,6-Dinitrotoluene	9.91	165	34323	8.00	ng	#	26
57) Fluorene	10.46	166	64360	3.63	ng		99
62) Azobenzene	10.62	77	67255	3.38	ng	#	1
64) 4,6-Dinitro-2-methylphenol	10.72	198	110	4.99	ng	#	1
70) Phenanthrene	11.43	178	666461	32.43	ng		99
71) Anthracene	11.48	178	183478	8.71	ng		99
74) Fluoranthene	12.63	202	1094184	52.99	ng		99
77) Pyrene	12.86	202	1045794	58.27	ng		100
80) Benzo(a)anthracene	14.05	228	514335	34.44	ng		95
82) Chrysene	14.09	228	469591	32.38	ng		98
85) Indeno(1,2,3-cd)pyrene	17.09	276	208776	18.18	ng		96
87) Benzo(b)fluoranthene	15.13	252	663838	56.95	ng	#	91
88) Benzo(k)fluoranthene	15.13	252	663838	60.48	ng	#	94
89) Benzo(a)pyrene	15.50	252	335431	32.23	ng	#	93
90) Dibenzo(a,h)anthracene	17.10	278	53570	6.66	ng	#	76
91) Benzo(g,h,i)perylene	17.56	276	207191	26.36	ng		98

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

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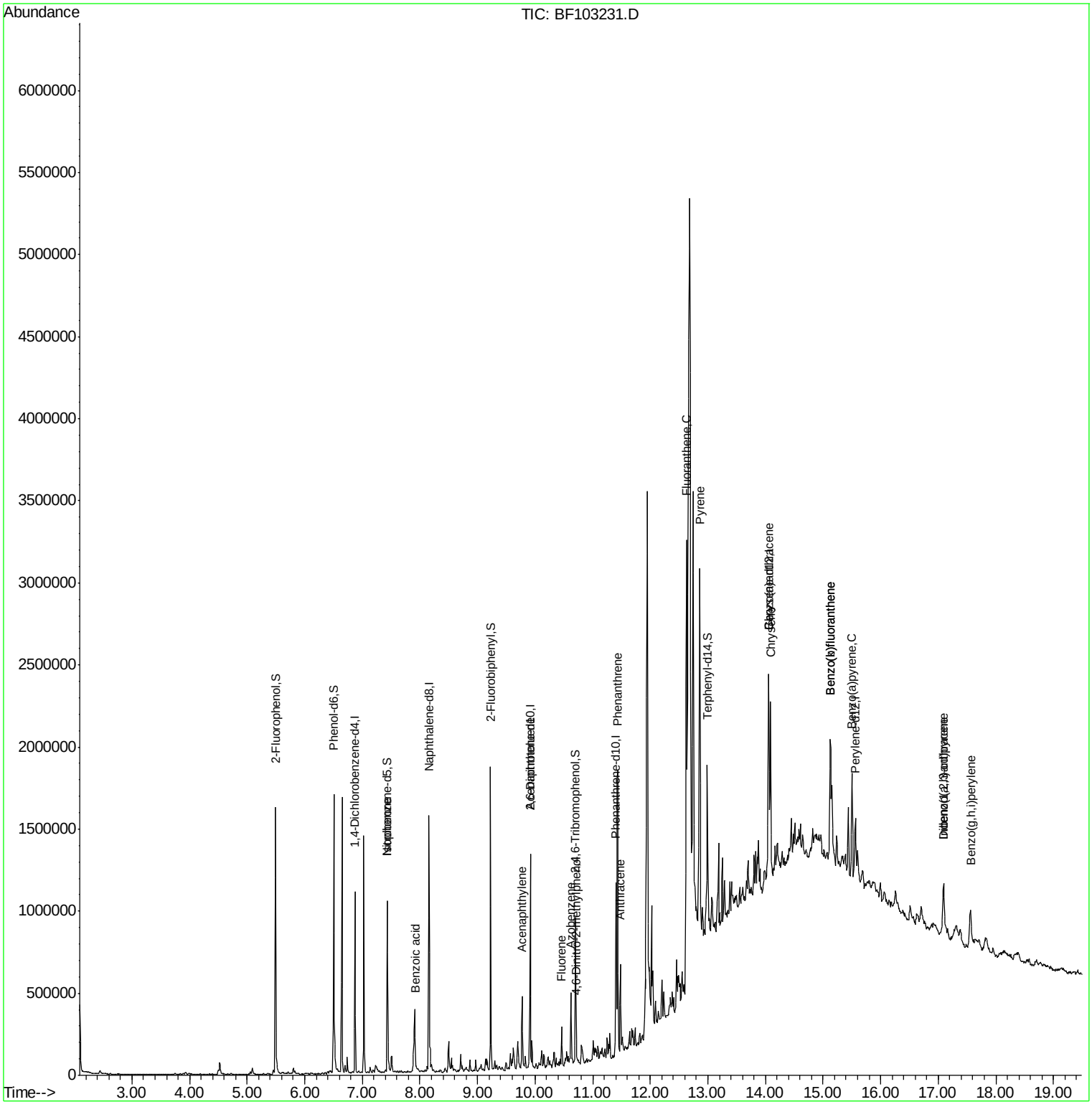
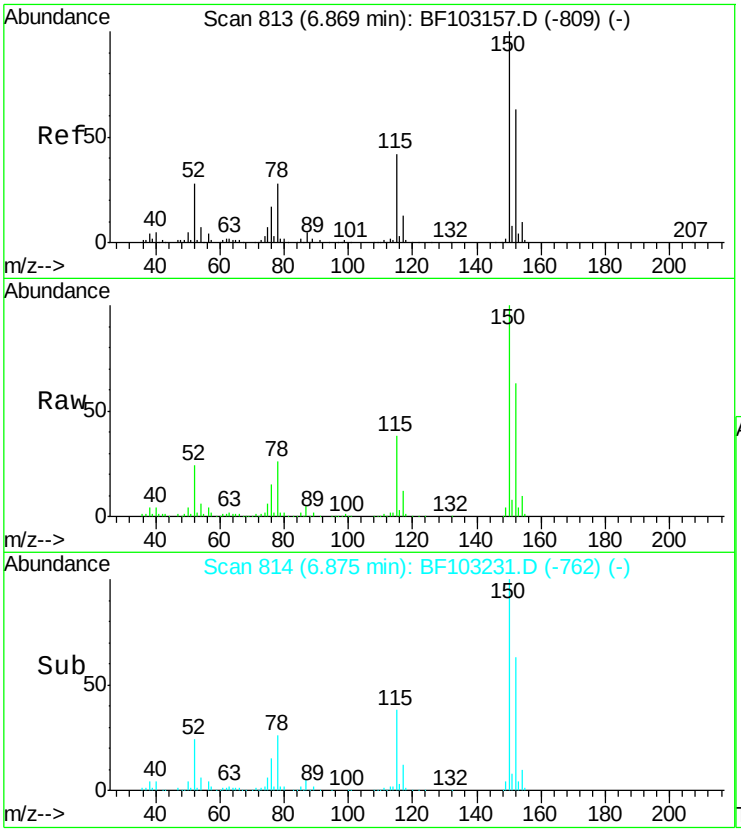


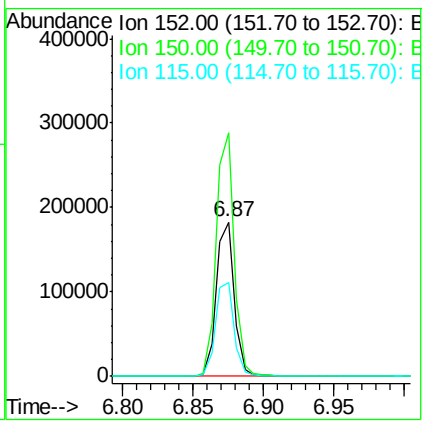


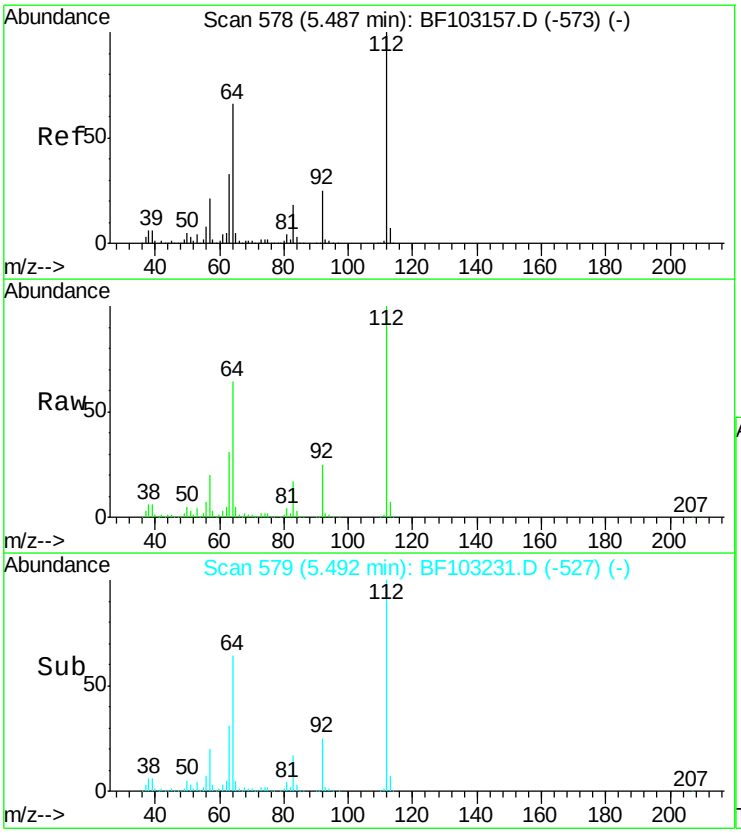
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 814
Delta R.T. 0.01 min
Lab File: BF103231.D
Acq: 26 Feb 2018 21:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 161446

Ion	Ratio	Lower	Upper
152	100		
150	157.7	124.6	186.8
115	60.4	50.1	75.1

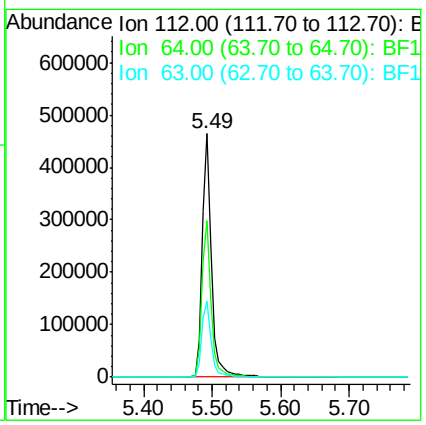


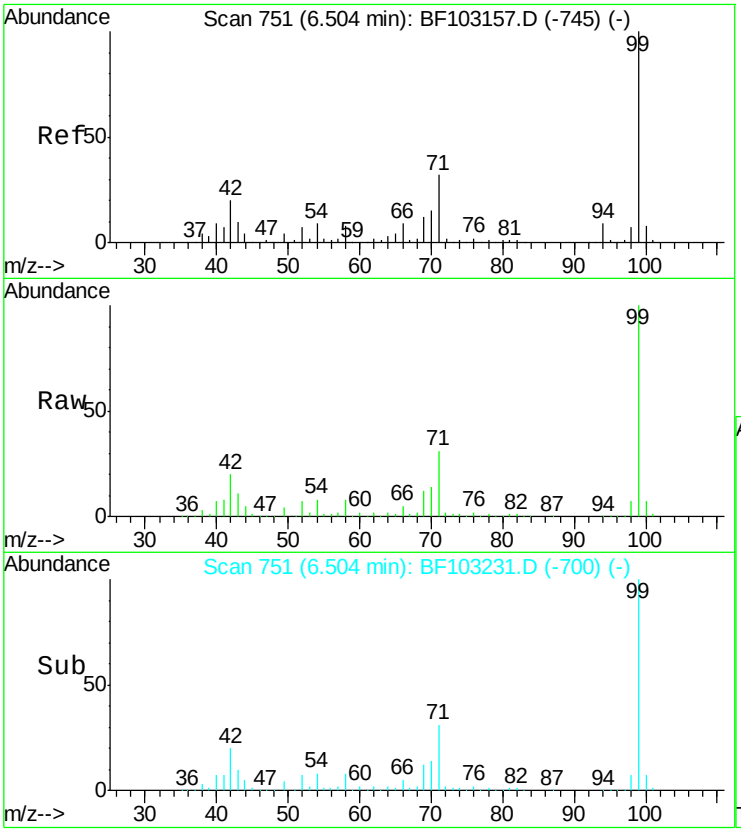


#5
2-Fluorophenol
Concen: 42.73 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF103231.D
Acq: 26 Feb 2018 21:31

Tgt Ion:112 Resp: 456166

Ion	Ratio	Lower	Upper
112	100		
64	64.2	47.9	71.9
63	31.2	23.7	35.5



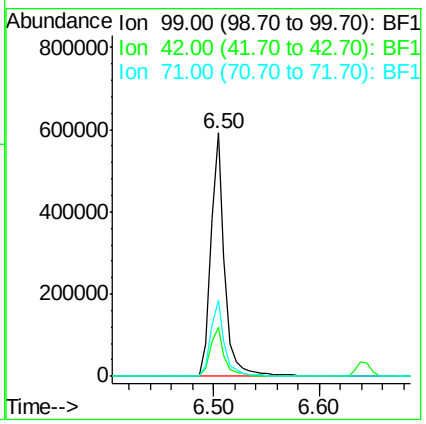


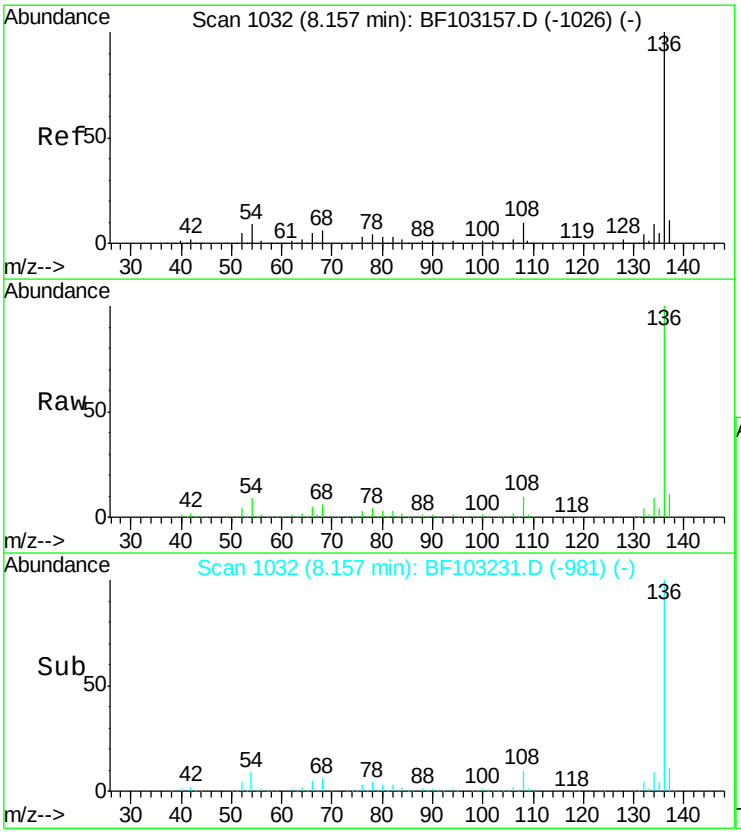
#7
Phenol-d6
Concen: 41.79 ng
RT: 6.50 min Scan# 751
Delta R.T. -0.00 min
Lab File: BF103231.D
Acq: 26 Feb 2018 21:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 545888

Ion	Ratio	Lower	Upper
99	100		
42	20.3	14.5	21.7
71	31.2	25.4	38.0

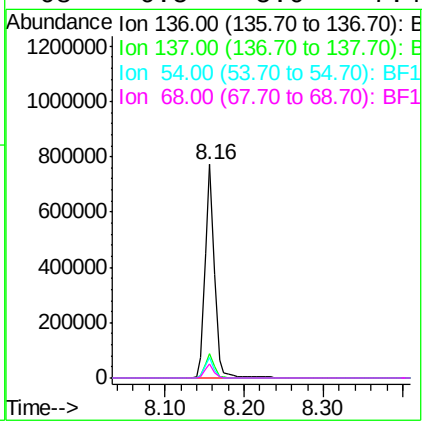


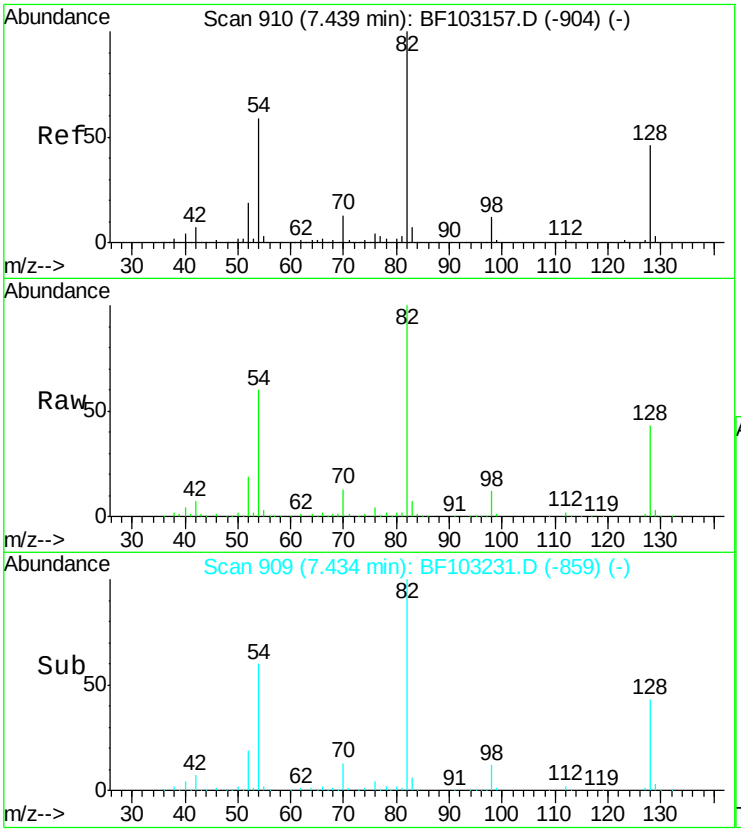


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BF103231.D
Acq: 26 Feb 2018 21:31

Tgt Ion:136 Resp: 648252

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	9.4	6.6	9.8
68	6.5	5.0	7.4



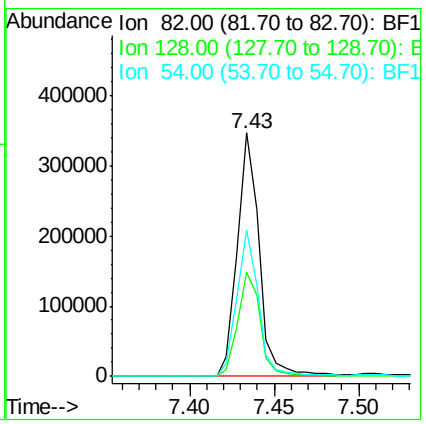


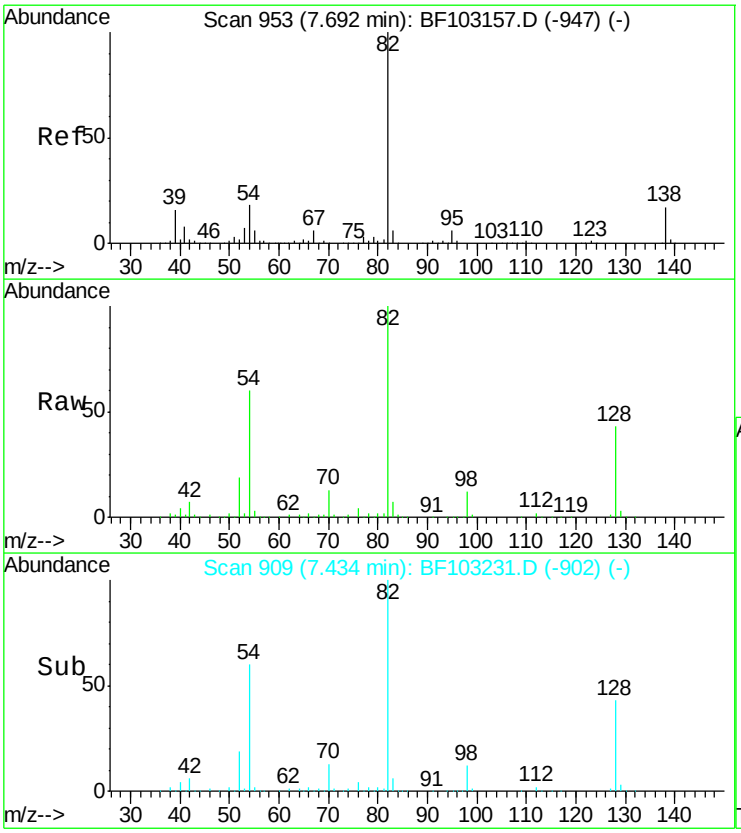
#23
Nitrobenzene-d5
Concen: 27.40 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.01 min
Lab File: BF103231.D
Acq: 26 Feb 2018 21:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 311003

Ion	Ratio	Lower	Upper
82	100		
128	42.8	36.1	54.1
54	60.1	41.4	62.2

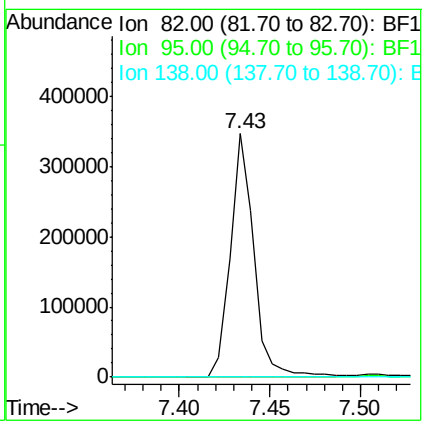


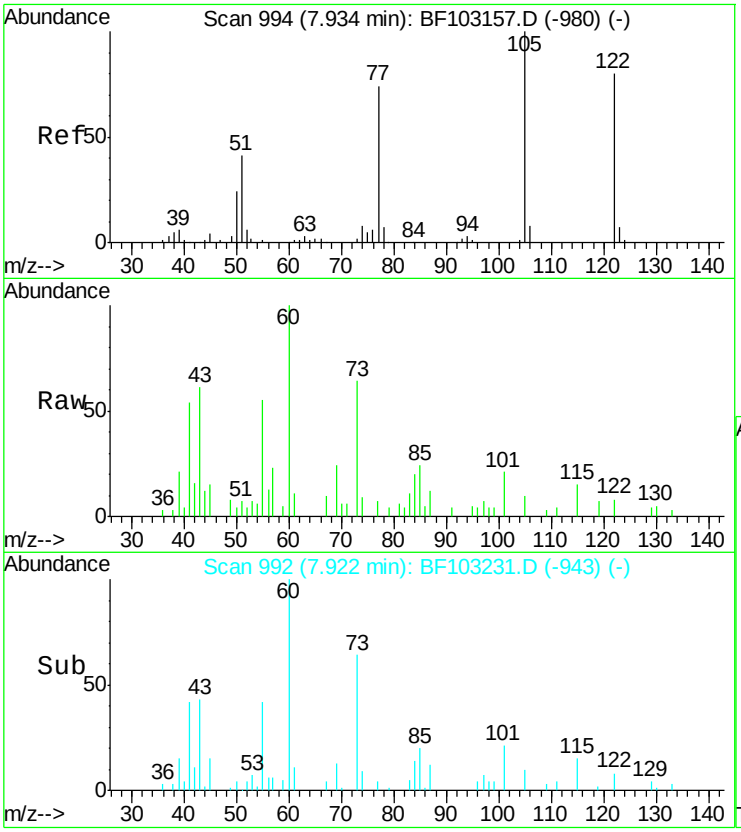


#25
Isophorone
Concen: 13.89 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.26 min
Lab File: BF103231.D
Acq: 26 Feb 2018 21:31

Tgt Ion: 82 Resp: 310422

Ion	Ratio	Lower	Upper
82	100		
95	0.2	5.2	7.8#
138	0.0	14.9	22.3#



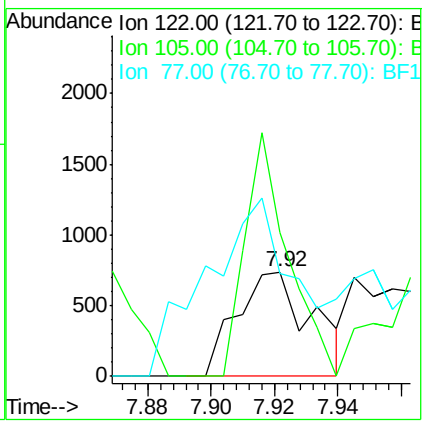


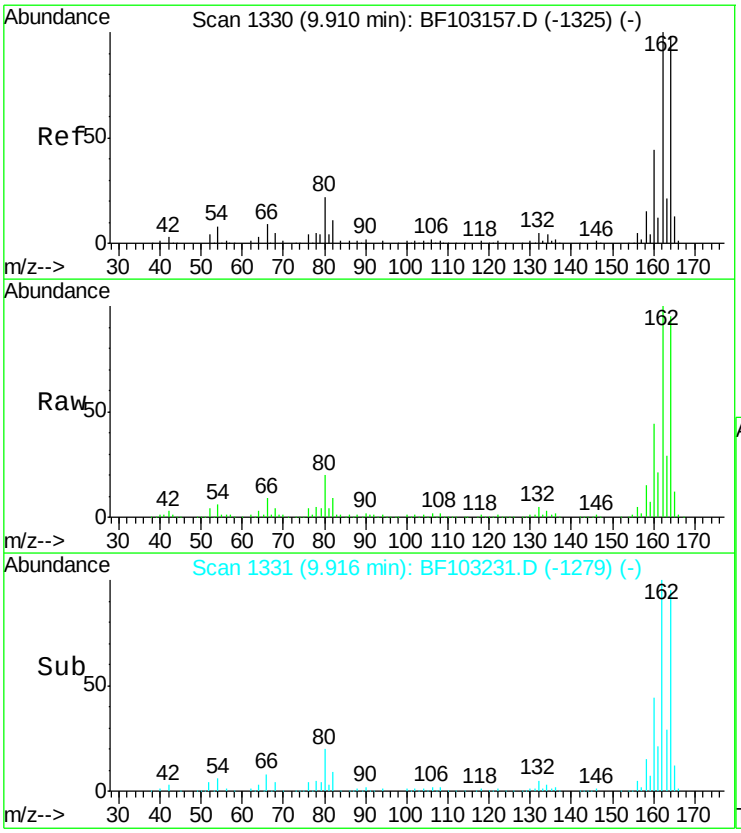
#32
Benzoic acid
Concen: 7.07 ng
RT: 7.92 min Scan# 992
Delta R.T. -0.01 min
Lab File: BF103231.D
Acq: 26 Feb 2018 21:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:122 Resp: 1217

Ion	Ratio	Lower	Upper
122	100		
105	138.0	101.1	141.1
77	98.0	70.7	110.7

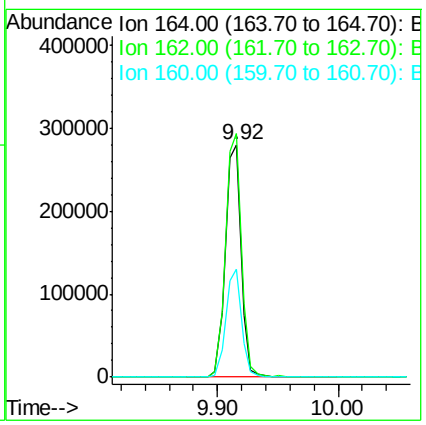


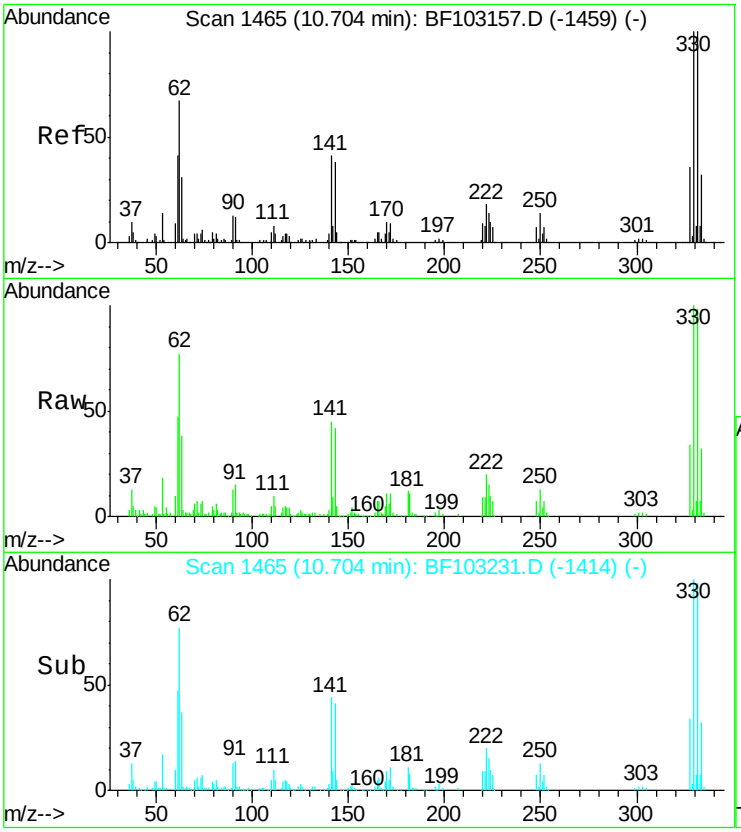


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.92 min Scan# 1331
Delta R.T. 0.01 min
Lab File: BF103231.D
Acq: 26 Feb 2018 21:31

Tgt Ion:164 Resp: 254805

Ion	Ratio	Lower	Upper
164	100		
162	104.9	86.1	129.1
160	46.2	38.3	57.5



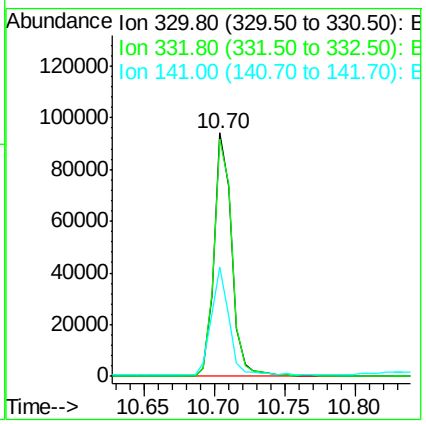


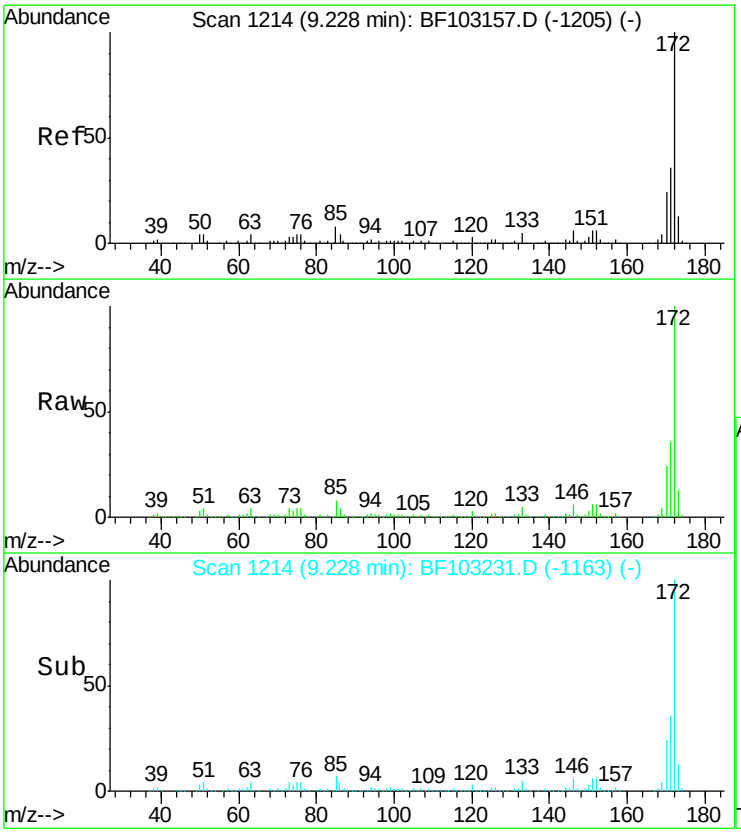
#41
2,4,6-Tribromophenol
Concen: 38.09 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.00 min
Lab File: BF103231.D
Acq: 26 Feb 2018 21:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:330 Resp: 82149

Ion	Ratio	Lower	Upper
330	100		
332	100.1	77.0	115.6
141	43.4	29.9	44.9

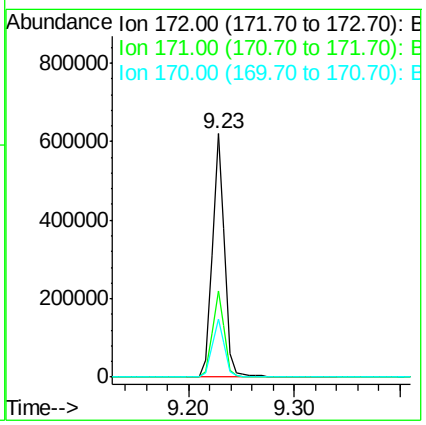


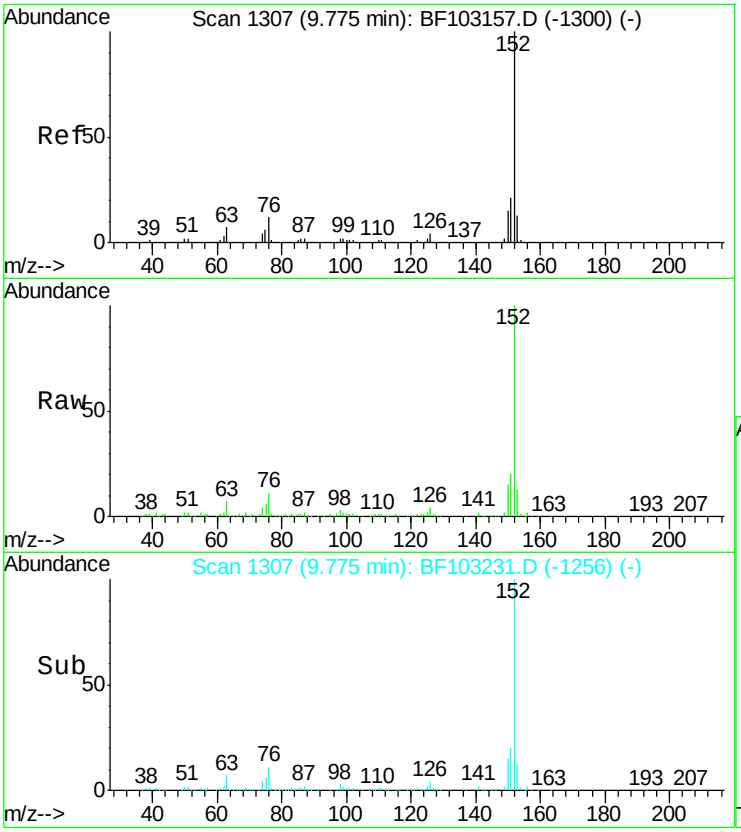


#44
2-Fluorobiphenyl
Concen: 28.91 ng
RT: 9.23 min Scan# 1214
Delta R.T. 0.00 min
Lab File: BF103231.D
Acq: 26 Feb 2018 21:31

Tgt Ion:172 Resp: 515032

Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.7	44.5
170	23.9	19.6	29.4



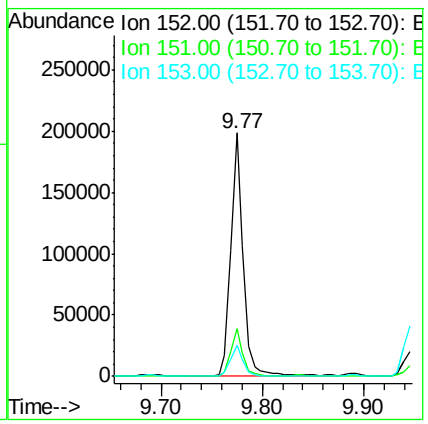


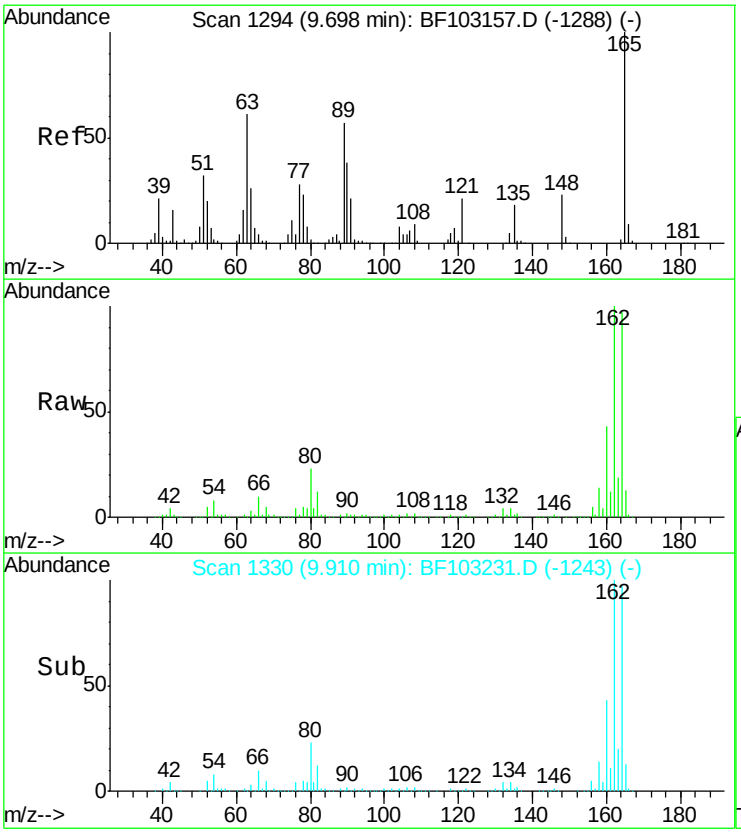
#48
Acenaphthylene
Concen: 6.47 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.00 min
Lab File: BF103231.D
Acq: 26 Feb 2018 21:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 168283

Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.3	24.5
153	12.7	10.7	16.1

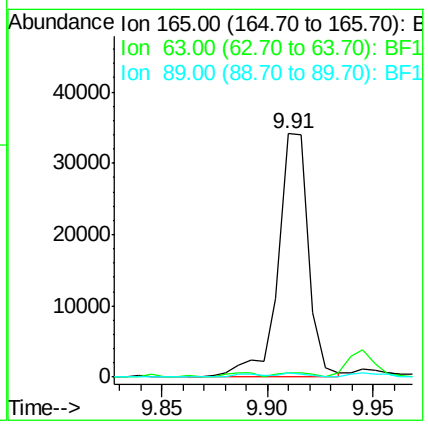


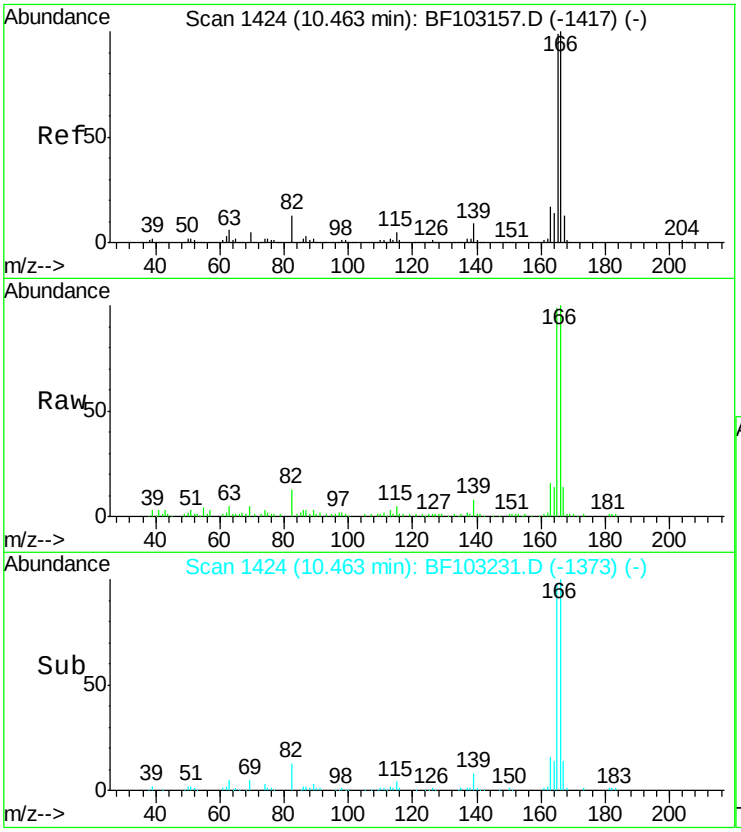


#50
2,6-Dinitrotoluene
Concen: 8.00 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.21 min
Lab File: BF103231.D
Acq: 26 Feb 2018 21:31

Tgt Ion:165 Resp: 34323

Ion	Ratio	Lower	Upper
165	100		
63	1.7	44.7	67.1#
89	1.9	44.0	66.0#



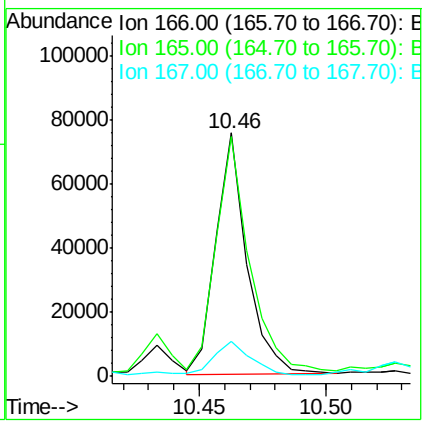


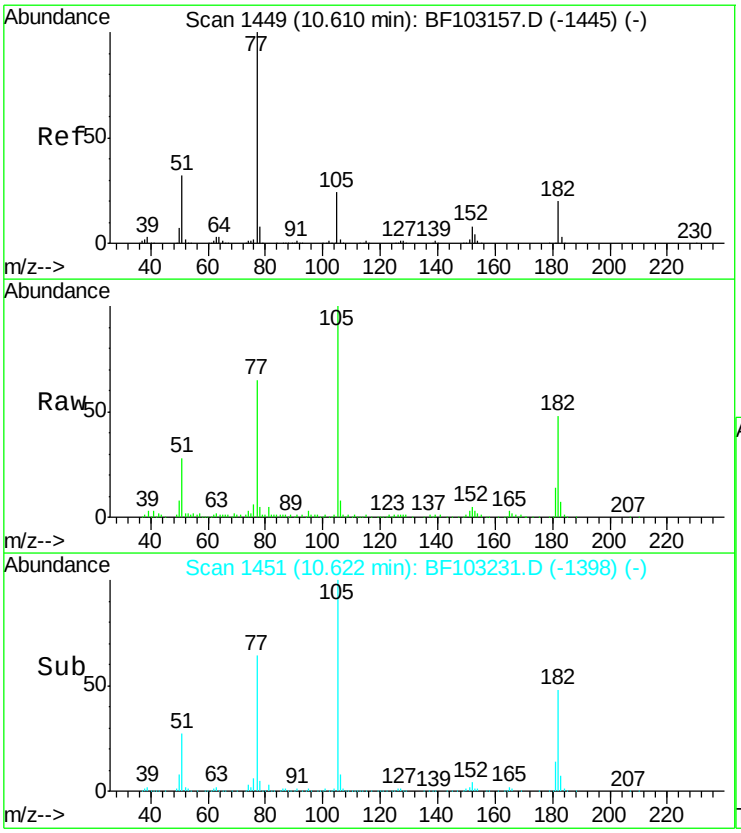
#57
Fluorene
Concen: 3.63 ng
RT: 10.46 min Scan# 1424
Delta R.T. 0.00 min
Lab File: BF103231.D
Acq: 26 Feb 2018 21:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:166 Resp: 64360

Ion	Ratio	Lower	Upper
166	100		
165	98.6	79.8	119.8
167	14.3	10.6	16.0

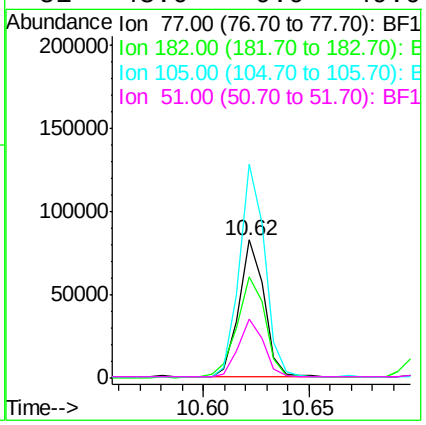


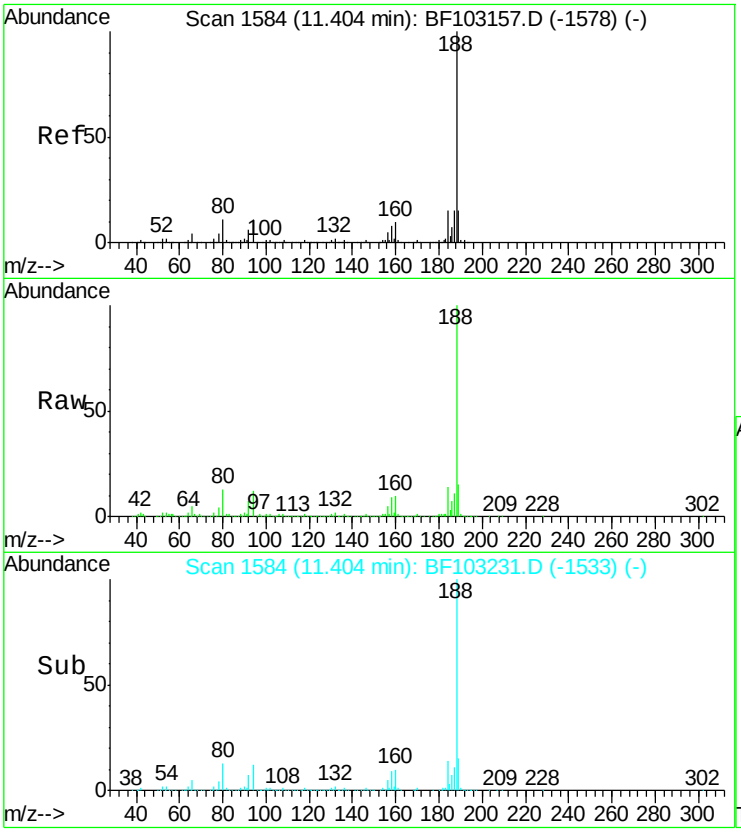


#62
Azobenzene
Concen: 3.38 ng
RT: 10.62 min Scan# 1451
Delta R.T. 0.01 min
Lab File: BF103231.D
Acq: 26 Feb 2018 21:31

Tgt Ion: 77 Resp: 67255

Ion	Ratio	Lower	Upper
77	100		
182	73.6	1.7	41.7#
105	154.8	3.0	43.0#
51	43.0	9.9	49.9



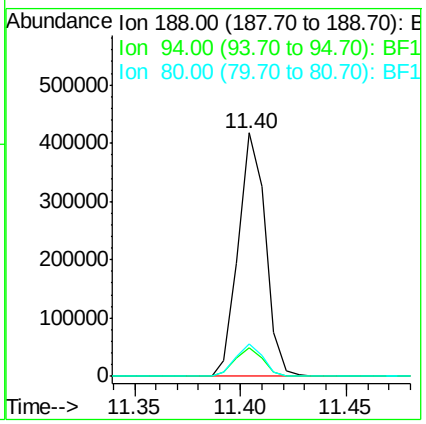


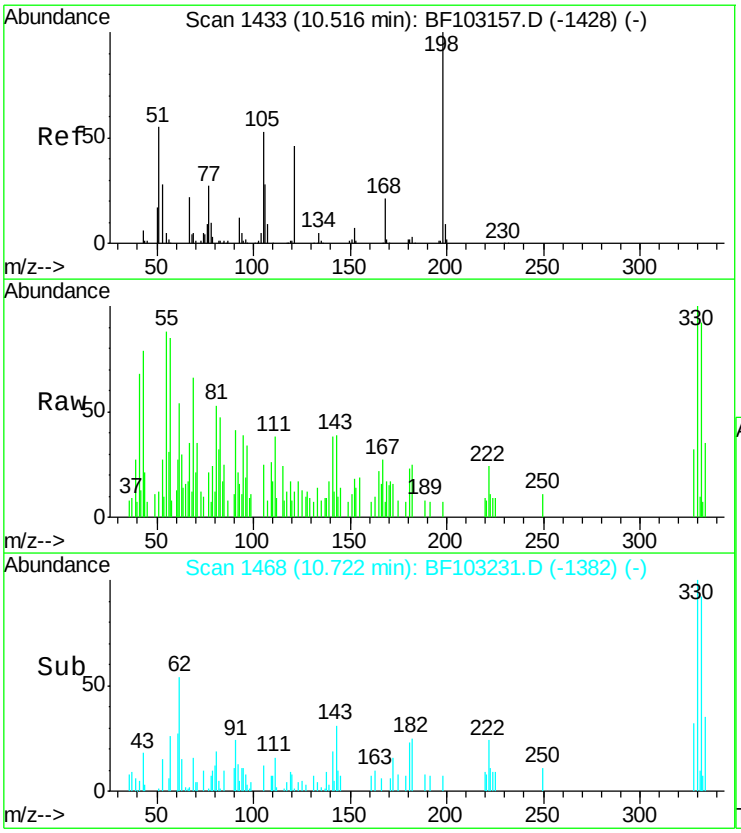
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.00 min
Lab File: BF103231.D
Acq: 26 Feb 2018 21:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 373393

Ion	Ratio	Lower	Upper
188	100		
94	12.0	8.5	12.7
80	13.4	9.2	13.8

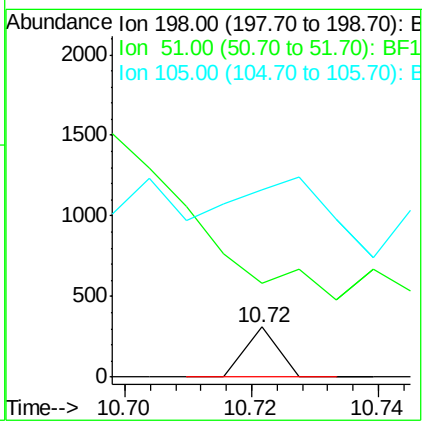


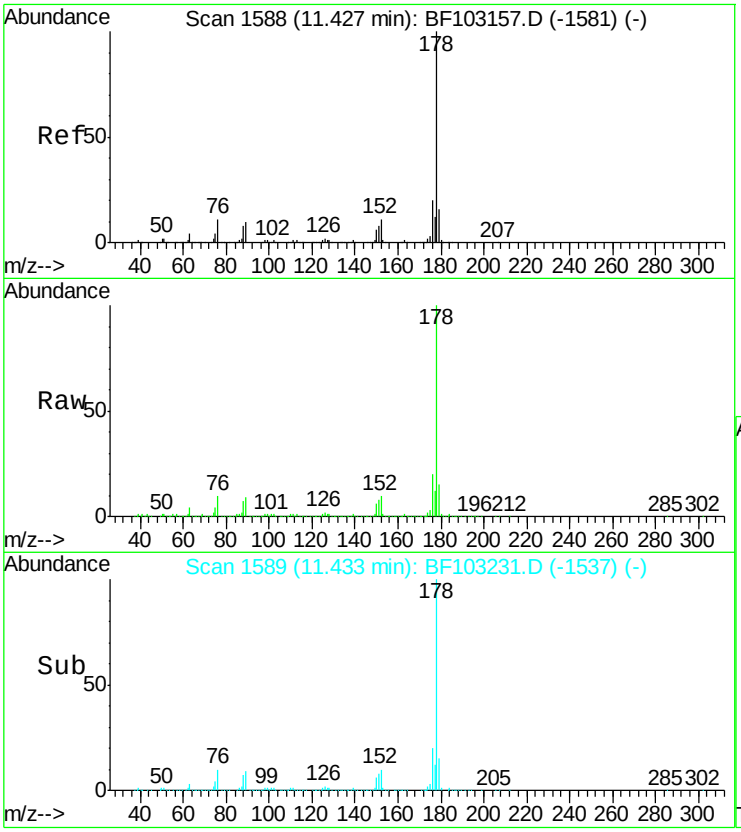


#64
4,6-Dinitro-2-methylphenol
Concen: 4.99 ng
RT: 10.72 min Scan# 1468
Delta R.T. 0.21 min
Lab File: BF103231.D
Acq: 26 Feb 2018 21:31

Tgt Ion:198 Resp: 110

Ion	Ratio	Lower	Upper
198	100		
51	186.9	37.7	77.7#
105	372.4	36.3	76.3#



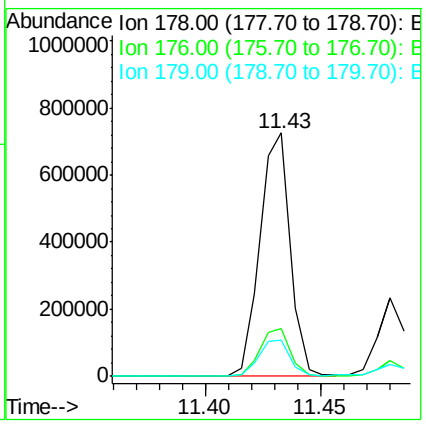


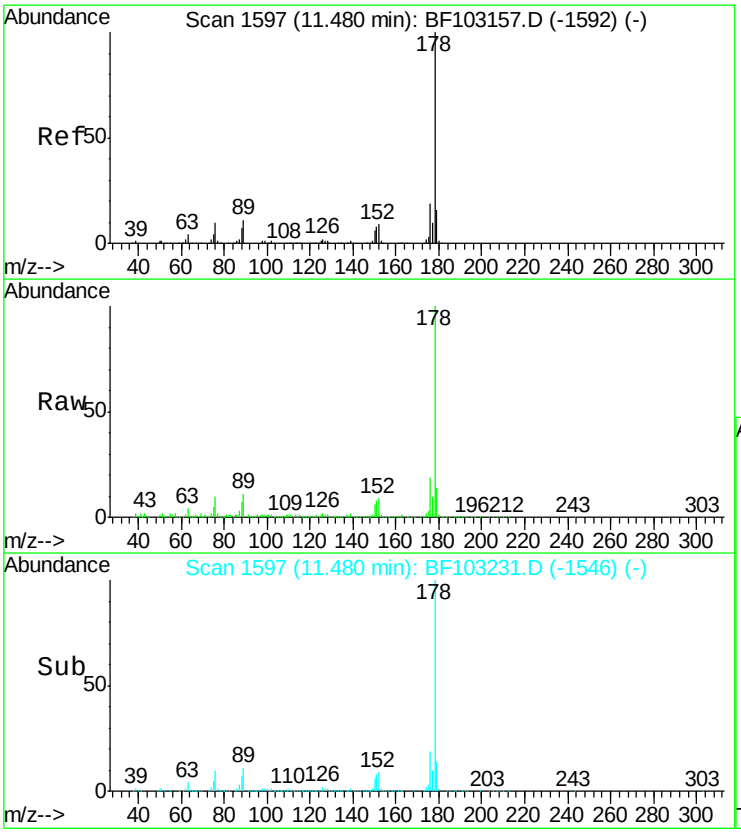
#70
Phenanthrene
Concen: 32.43 ng
RT: 11.43 min Scan# 1589
Delta R.T. 0.01 min
Lab File: BF103231.D
Acq: 26 Feb 2018 21:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 666461

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.8
179	15.1	13.0	19.6

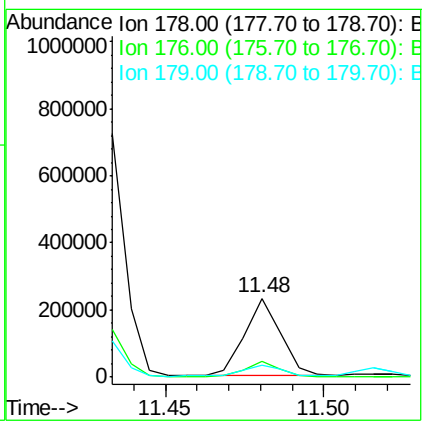


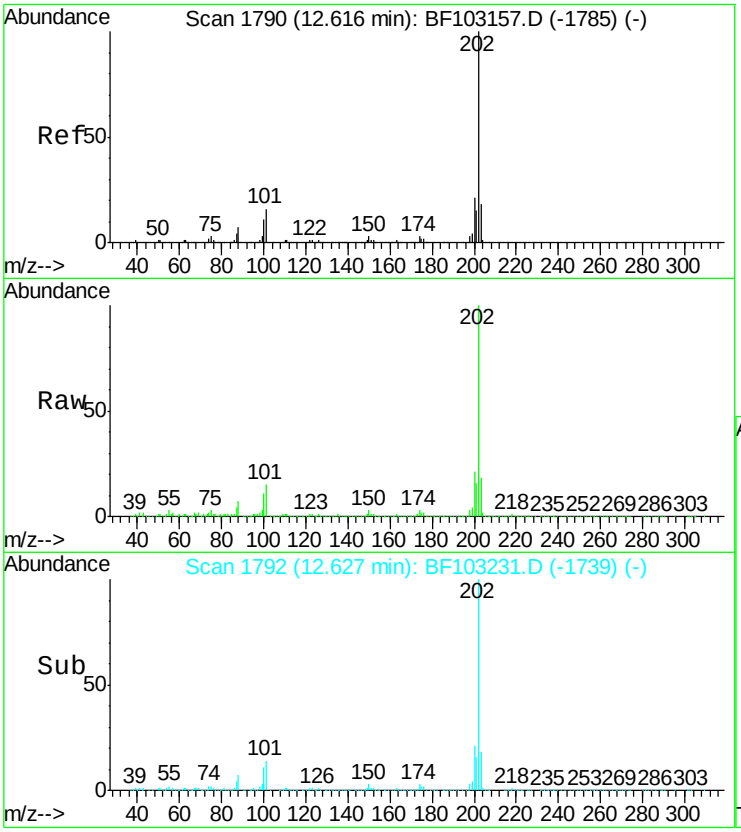


#71
Anthracene
Concen: 8.71 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.00 min
Lab File: BF103231.D
Acq: 26 Feb 2018 21:31

Tgt Ion:178 Resp: 183478

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	14.5	12.6	19.0



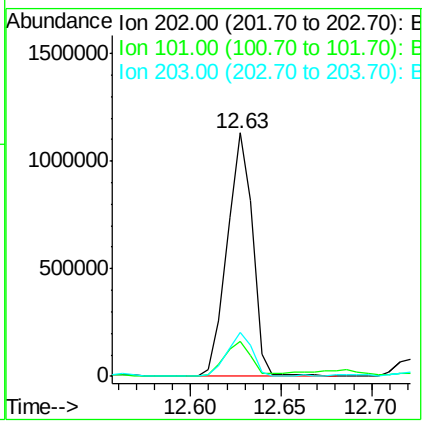


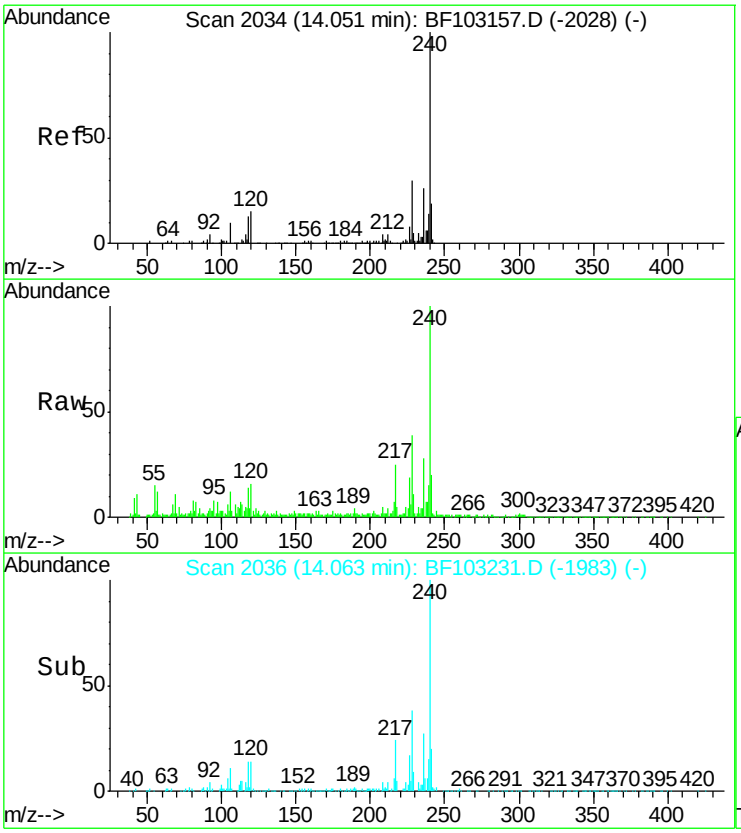
#74
Fluoranthene
Concen: 52.99 ng
RT: 12.63 min Scan# 1792
Delta R.T. 0.01 min
Lab File: BF103231.D
Acq: 26 Feb 2018 21:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 1094184

Ion	Ratio	Lower	Upper
202	100		
101	14.6	0.0	34.1
203	17.9	0.0	38.1

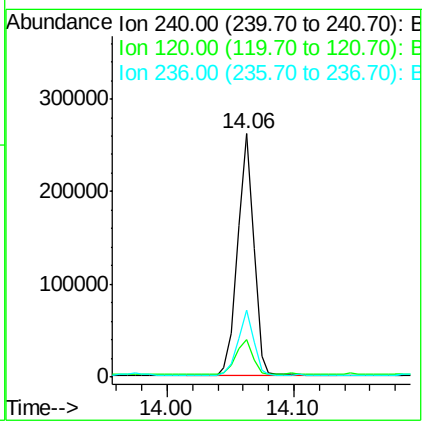


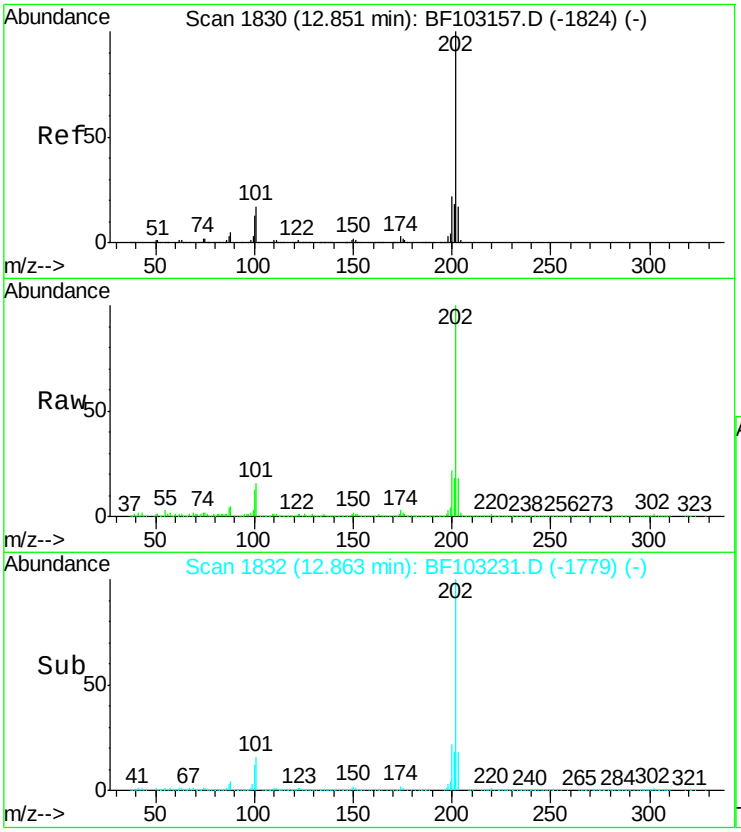


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.06 min Scan# 2036
Delta R.T. 0.01 min
Lab File: BF103231.D
Acq: 26 Feb 2018 21:31

Tgt Ion:240 Resp: 230186

Ion	Ratio	Lower	Upper
240	100		
120	15.6	9.5	14.3#
236	27.7	20.7	31.1



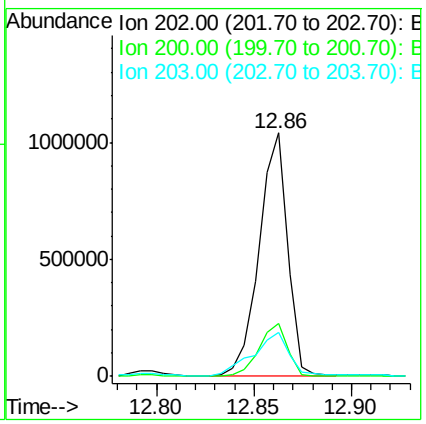


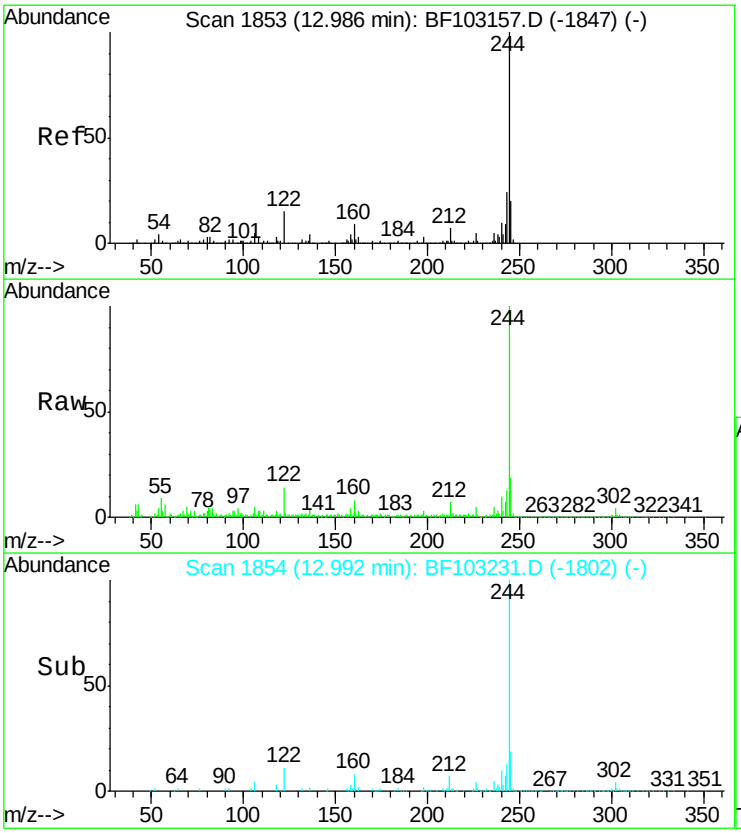
#77
Pyrene
Concen: 58.27 ng
RT: 12.86 min Scan# 1832
Delta R.T. 0.01 min
Lab File: BF103231.D
Acq: 26 Feb 2018 21:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 1045794

Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.4	26.2
203	18.1	14.3	21.5

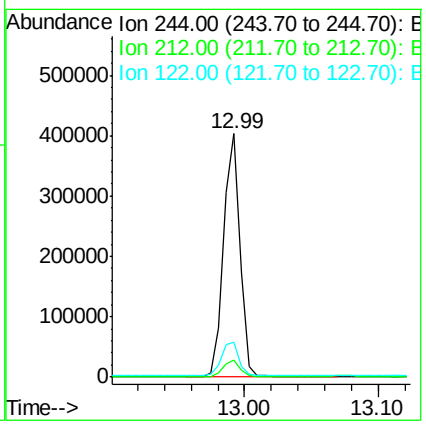


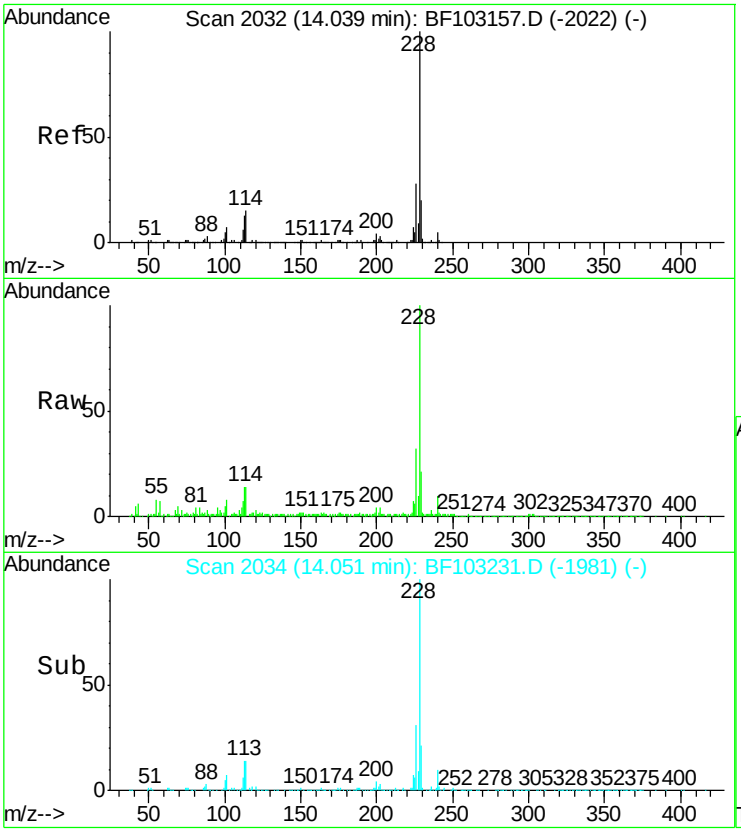


#78
Terphenyl-d14
Concen: 36.66 ng
RT: 12.99 min Scan# 1854
Delta R.T. 0.01 min
Lab File: BF103231.D
Acq: 26 Feb 2018 21:31

Tgt Ion:244 Resp: 351081

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	14.2	11.0	16.4



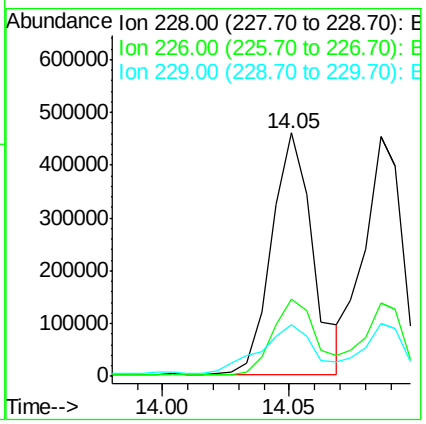


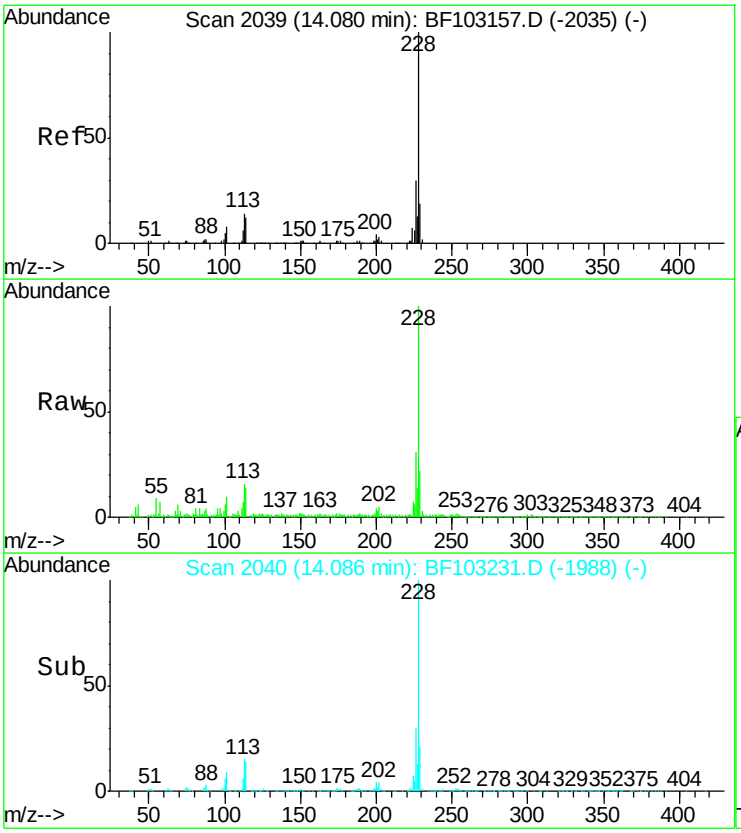
#80
Benzo(a)anthracene
Concen: 34.44 ng
RT: 14.05 min Scan# 2034
Delta R.T. 0.01 min
Lab File: BF103231.D
Acq: 26 Feb 2018 21:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 514335

Ion	Ratio	Lower	Upper
228	100		
226	31.7	22.6	33.8
229	21.4	15.8	23.6

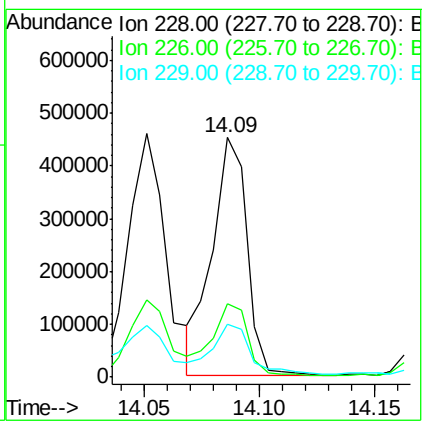


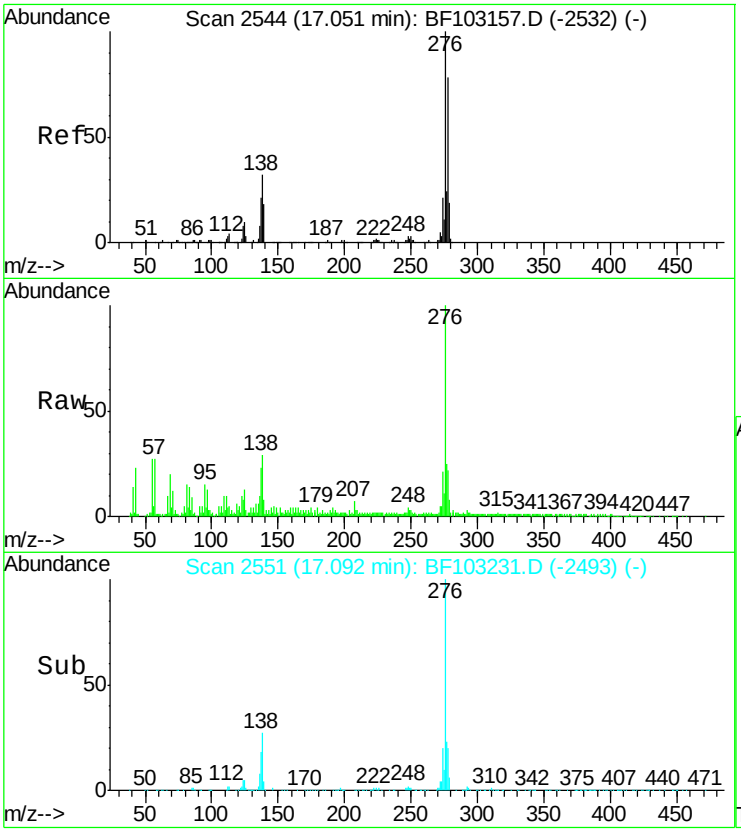


#82
Chrysene
Concen: 32.38 ng
RT: 14.09 min Scan# 2040
Delta R.T. 0.01 min
Lab File: BF103231.D
Acq: 26 Feb 2018 21:31

Tgt Ion:228 Resp: 469591

Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.6
229	22.0	16.2	24.4



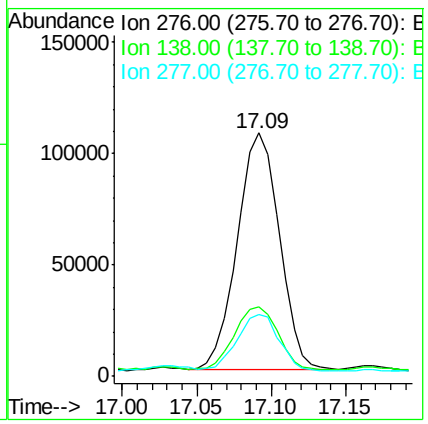


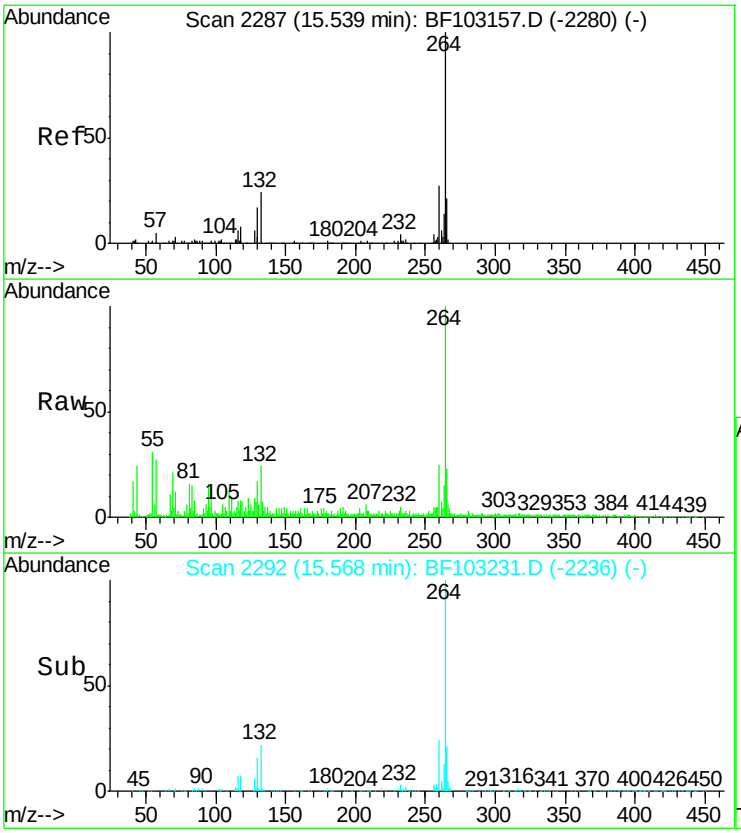
#85
Indeno(1,2,3-cd)pyrene
Concen: 18.18 ng
RT: 17.09 min Scan# 2551
Delta R.T. 0.04 min
Lab File: BF103231.D
Acq: 26 Feb 2018 21:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 208776

Ion	Ratio	Lower	Upper
276	100		
138	27.5	25.0	37.6
277	24.5	20.1	30.1

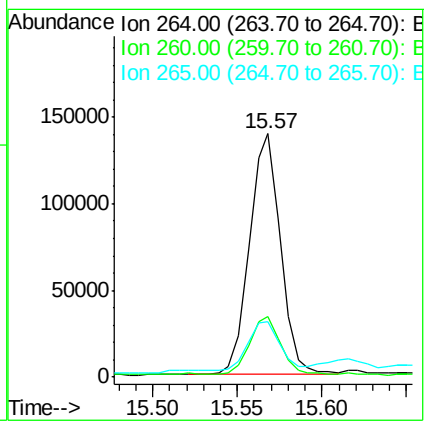


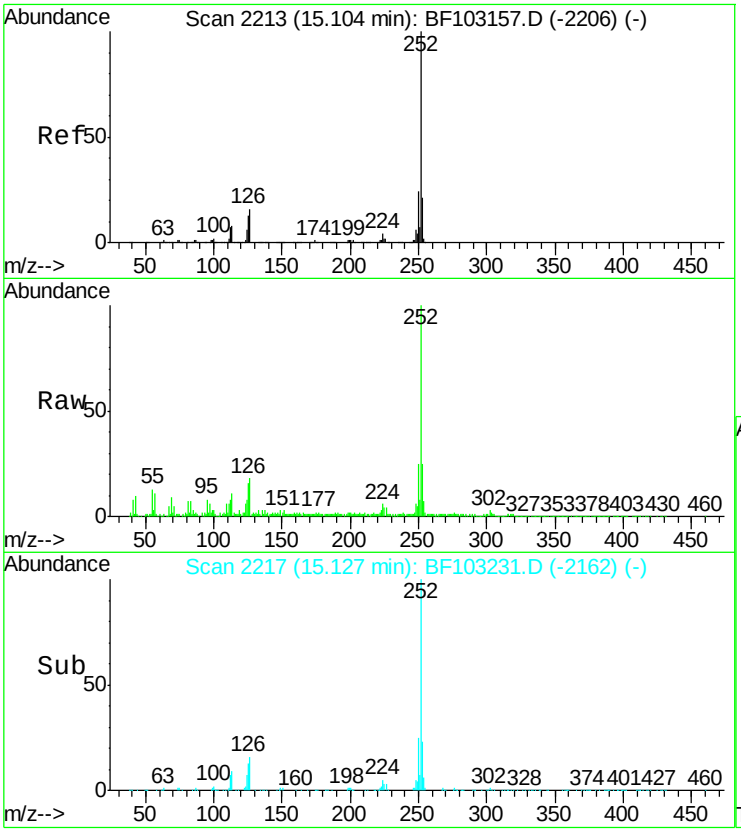


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.57 min Scan# 2292
Delta R.T. 0.03 min
Lab File: BF103231.D
Acq: 26 Feb 2018 21:31

Tgt Ion:264 Resp: 177277

Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	22.8	17.5	26.3



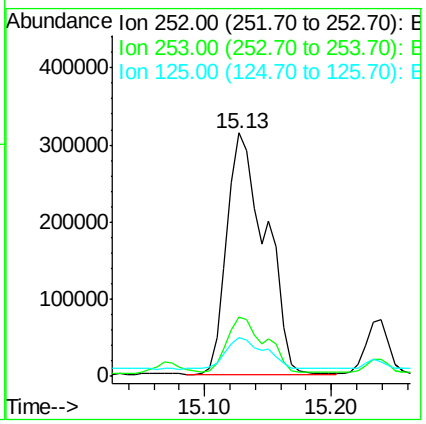


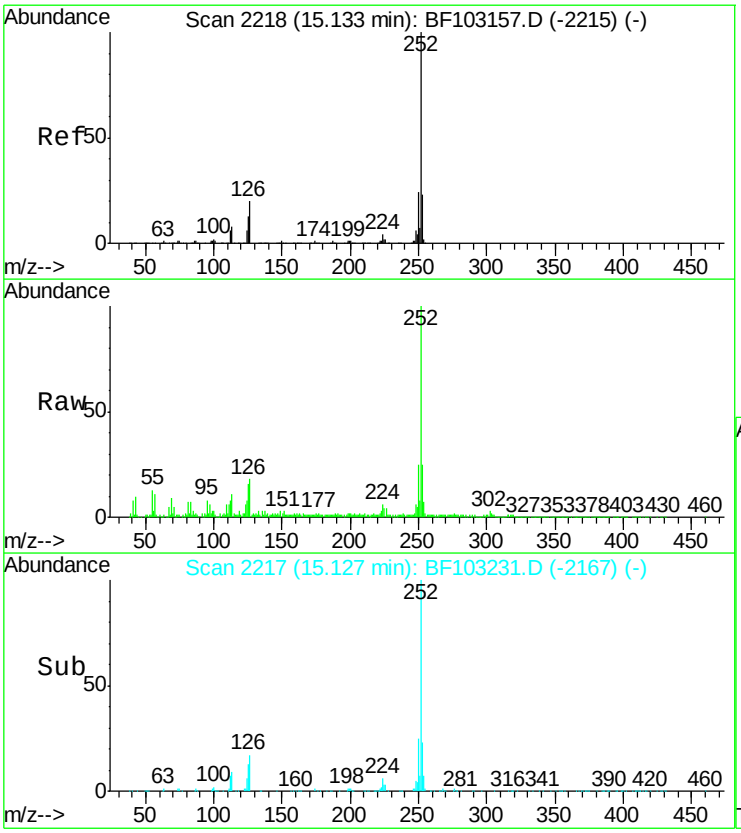
#87
Benzo(b)fluoranthene
Concen: 56.95 ng
RT: 15.13 min Scan# 2217
Delta R.T. 0.02 min
Lab File: BF103231.D
Acq: 26 Feb 2018 21:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 663838

Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.0	25.6
125	16.1	9.0	13.6#

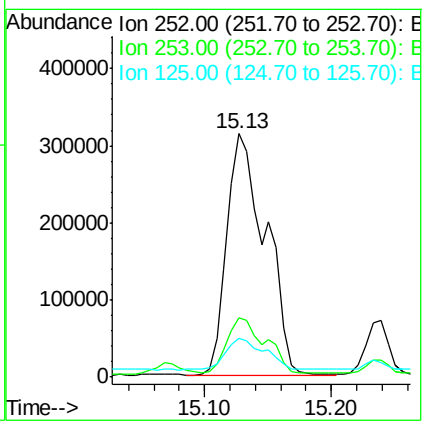


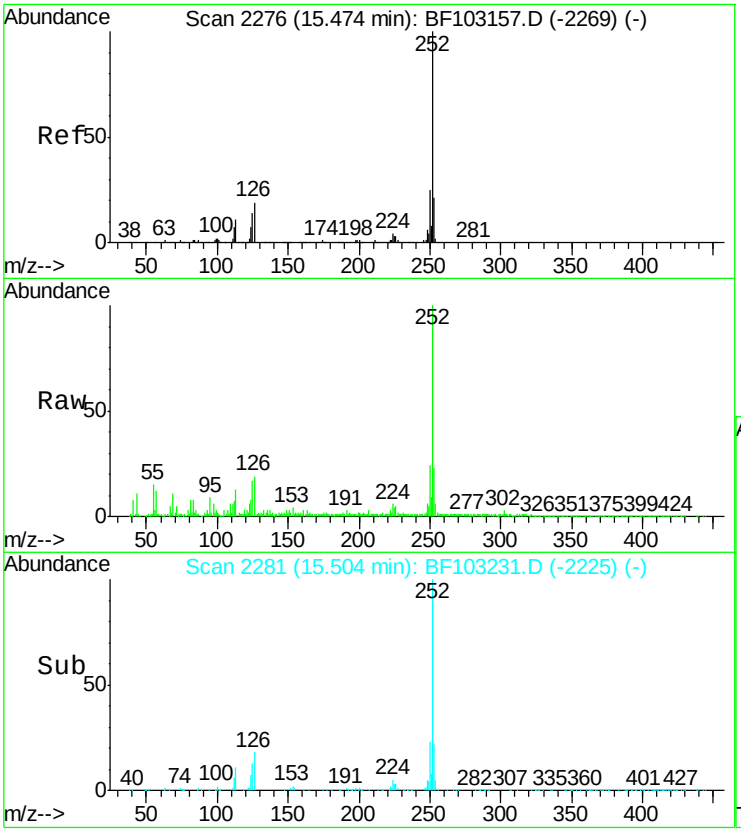


#88
Benzo(k)fluoranthene
Concen: 60.48 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF103231.D
Acq: 26 Feb 2018 21:31

Tgt Ion:252 Resp: 663838

Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.9	26.9
125	16.1	10.2	15.2#



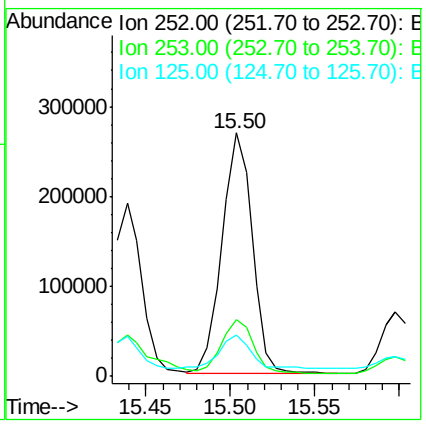


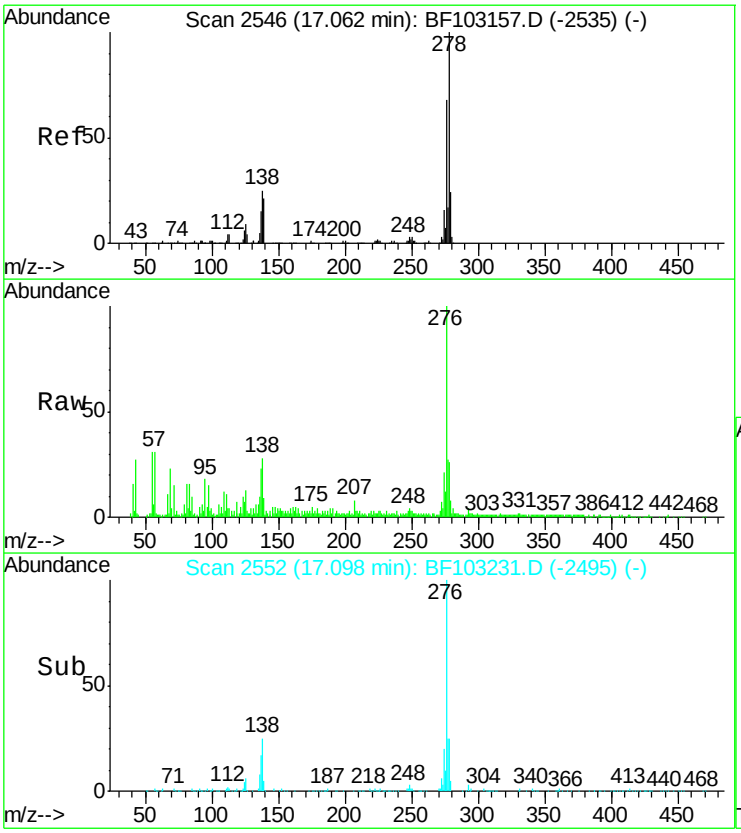
#89
Benzo(a)pyrene
Concen: 32.23 ng
RT: 15.50 min Scan# 2281
Delta R.T. 0.03 min
Lab File: BF103231.D
Acq: 26 Feb 2018 21:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 335431

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	17.0	9.8	14.6#

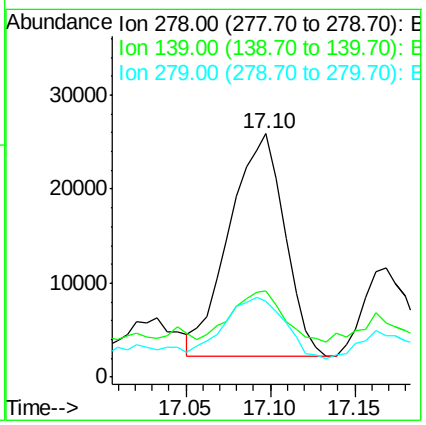


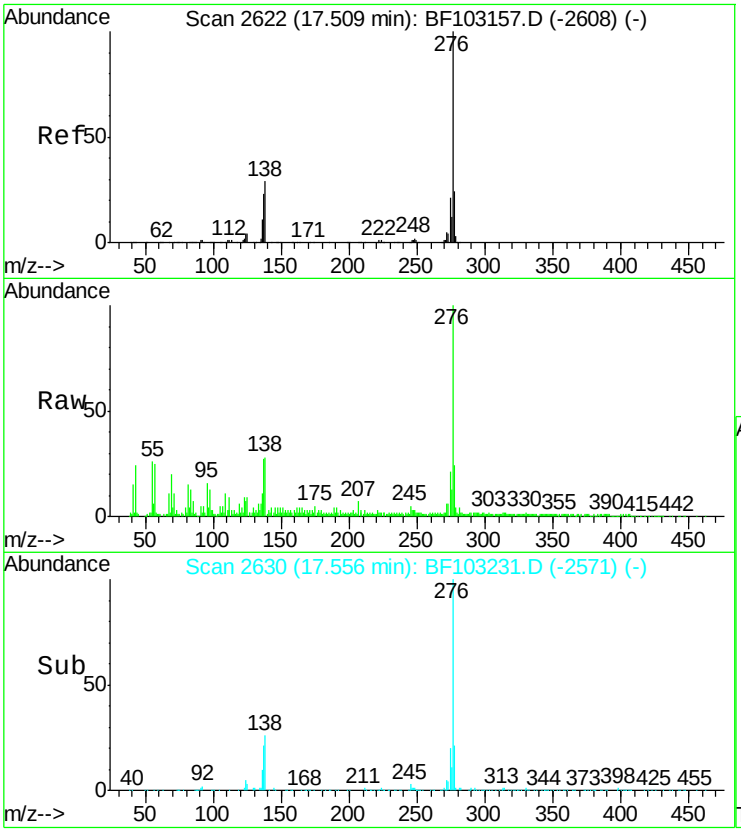


#90
Dibenzo(a,h)anthracene
Concen: 6.66 ng
RT: 17.10 min Scan# 2552
Delta R.T. 0.04 min
Lab File: BF103231.D
Acq: 26 Feb 2018 21:31

Tgt Ion:278 Resp: 53570

Ion	Ratio	Lower	Upper
278	100		
139	35.6	15.9	23.9#
279	31.1	19.0	28.4#





#91
Benzo(g,h,i)perylene
Concen: 26.36 ng
RT: 17.56 min Scan# 2630
Delta R.T. 0.05 min
Lab File: BF103231.D
Acq: 26 Feb 2018 21:31

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 207191

Ion	Ratio	Lower	Upper
276	100		
277	23.8	17.9	26.9
138	27.7	21.8	32.8