Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF012218\
Data File : BF102325.D
Acq On : 23 Jan 2018 3:53
Operator : SJ/JU
Sample : J1210-04DL 10X
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Jan 23 07:51:54 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF012218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jan 23 00:43:41 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	116859	20.00	ng		0.00
21) Naphthalene-d8	8.00	136	466202	20.00	ng		0.00
38) Acenaphthene-d10	9.75	164	185908	20.00	ng		0.00
63) Phenanthrene-d10	11.24	188	275341	20.00	ng		0.00
75) Chrysene-d12	13.88	240	232155	20.00	ng		0.00
86) Perylene-d12	15.30	264	188032	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.32	112	80210	10.41	ng		0.00
7) Phenol-d6	6.35	99	96677	10.40	ng		0.00
23) Nitrobenzene-d5	7.28	82	53635	6.61	ng		0.00
41) 2,4,6-Tribromophenol	10.54	330	15940	8.65	ng		0.00
44) 2-Fluorobiphenyl	9.07	172	114172	9.03	ng		0.00
78) Terphenyl-d14	12.82	244	82711	8.03	ng		0.00
Target Compounds							Qvalue
25) Isophorone	7.28	82	53634	3.708	ng	#	64
31) Naphthalene	8.02	128	183841	7.898	ng		99
33) 4-Chloroaniline	8.02	127	23284	2.379	ng	#	32
35) Caprolactam	8.72	113	5473	2.564	ng	#	1
37) 2-Methylnaphthalene	8.72	142	268692	17.333	ng		99
45) 1,1'-Biphenyl	9.17	154	53190	3.200	ng		99
48) Acenaphthylene	9.62	152	102350	5.084	ng	#	96
51) Acenaphthene	9.79	154	121720	10.353	ng		99
54) Dibenzofuran	9.96	168	153358	9.638	ng	#	96
57) Fluorene	10.30	166	247246	19.610	ng		99
70) Phenanthrene	11.27	178	940609	58.624	ng		99
71) Anthracene	11.32	178	159454	9.737	ng		100
72) Carbazole	11.47	167	33972	2.126	ng		98
74) Fluoranthene	12.45	202	494844	30.244	ng		100
77) Pyrene	12.68	202	589282	32.830	ng		99
80) Benzo(a)anthracene	13.90	228	202147	14.143	ng		96
82) Chrysene	13.90	228	202147	13.927	ng		97
85) Indeno(1,2,3-cd)pyrene	16.69	276	28158	2.349	ng		96
87) Benzo(b)fluoranthene	14.90	252	125042	10.260	ng		98
88) Benzo(k)fluoranthene	14.90	252	125042	10.860	ng		99
89) Benzo(a)pyrene	15.24	252	77838	7.082	ng		94
91) Benzo(g,h,i)perylene	17.11	276	31859	3.624	ng	#	90

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

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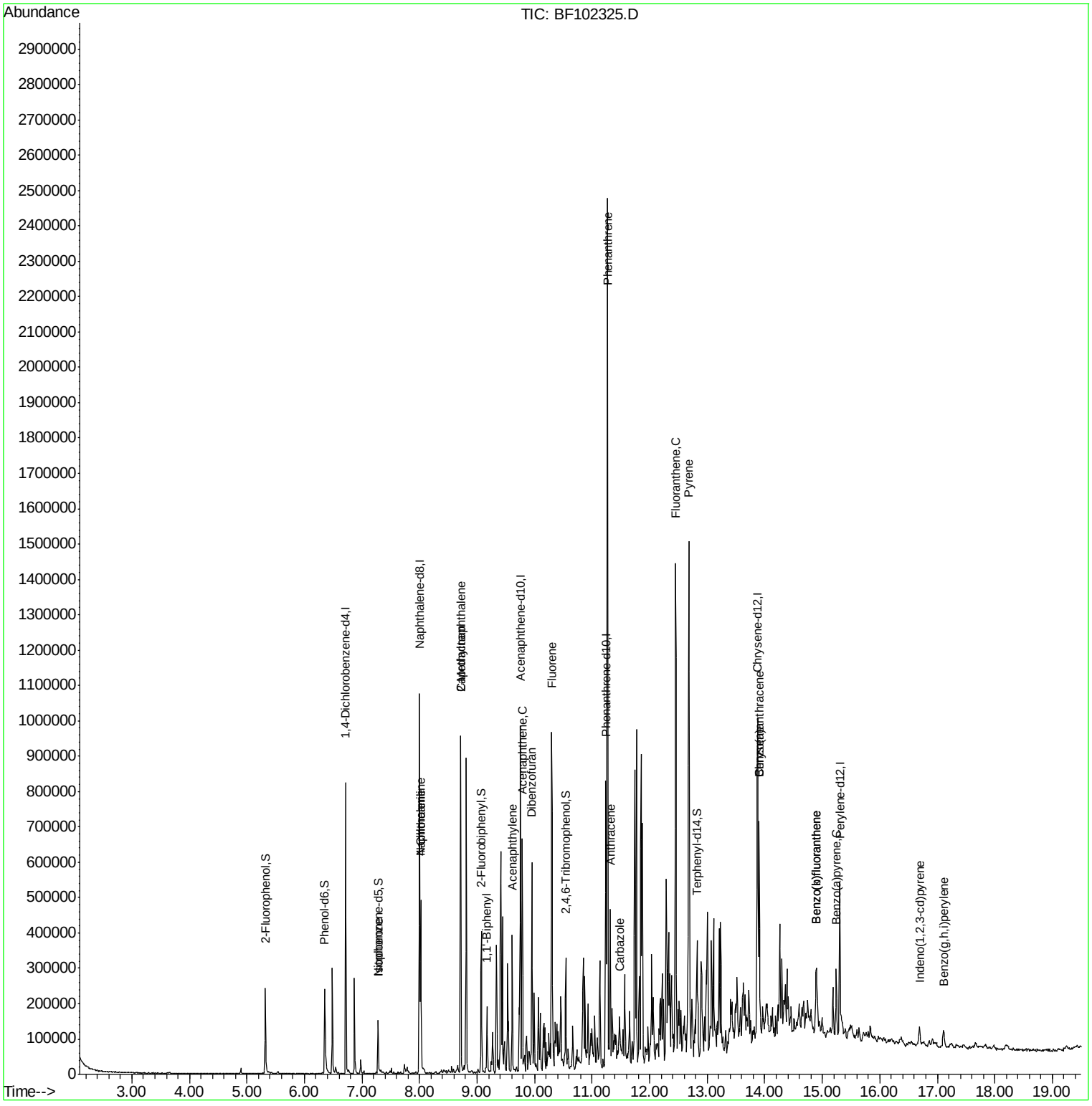
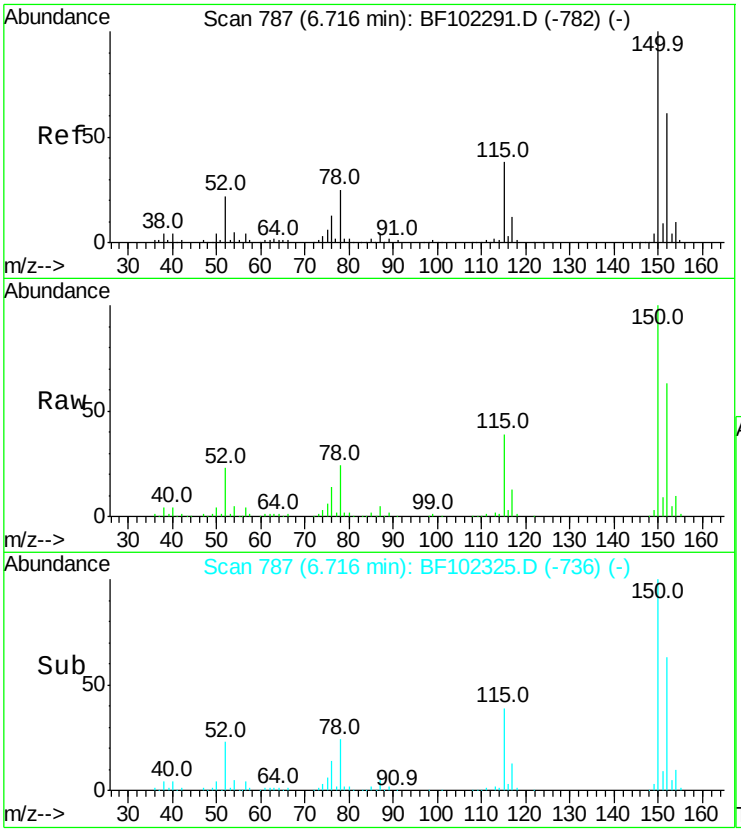


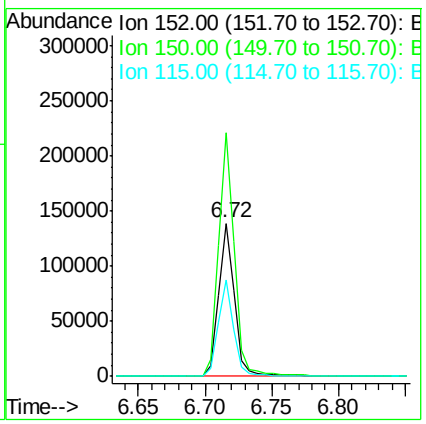


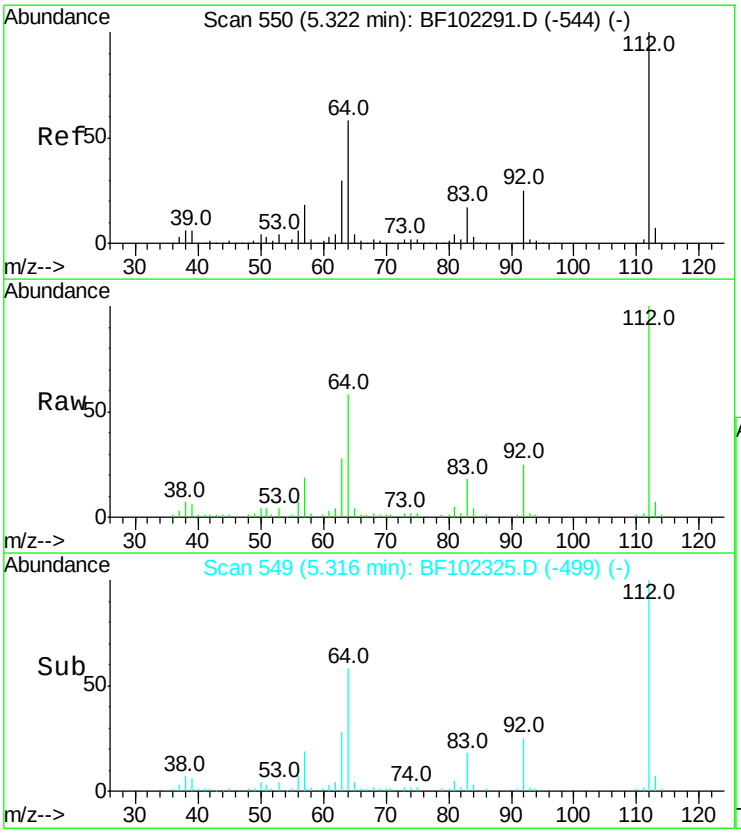
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 116859

Ion	Ratio	Lower	Upper
152	100		
150	159.3	124.6	186.8
115	62.9	50.1	75.1

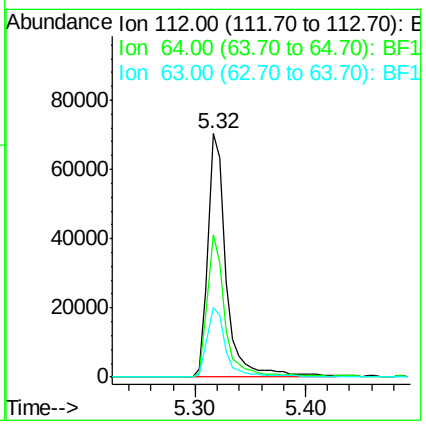


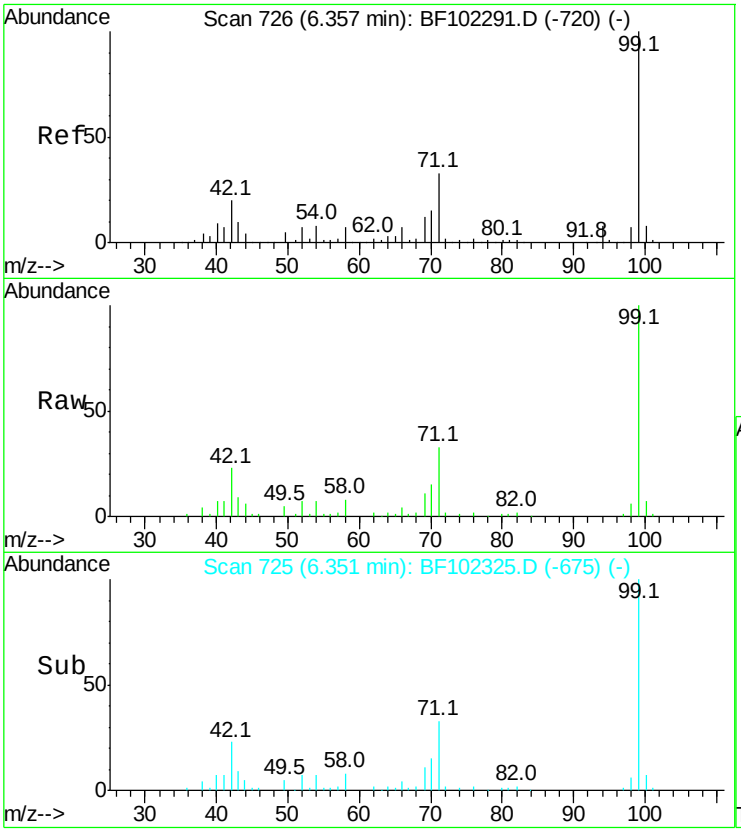


#5
2-Fluorophenol
Concen: 10.407 ng
RT: 5.32 min Scan# 549
Delta R.T. -0.01 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

Tgt Ion:112 Resp: 80210

Ion	Ratio	Lower	Upper
112	100		
64	58.4	47.9	71.9
63	28.4	23.7	35.5



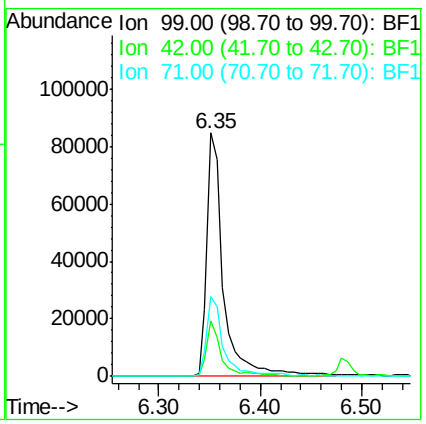


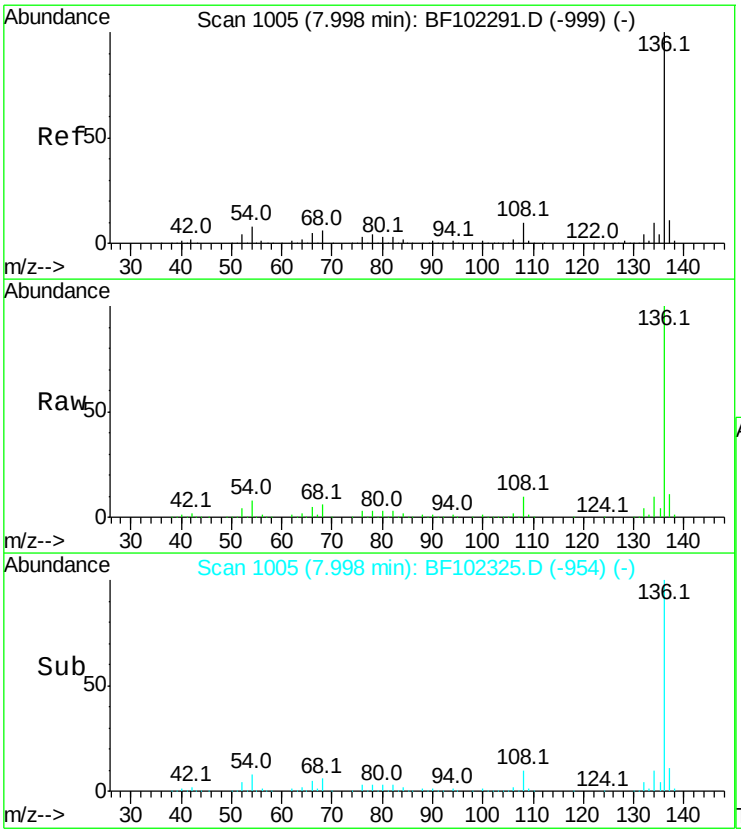
#7
Phenol-d6
Concen: 10.405 ng
RT: 6.35 min Scan# 725
Delta R.T. -0.01 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 96677

Ion	Ratio	Lower	Upper
99	100		
42	22.7	14.5	21.7#
71	32.7	25.4	38.0

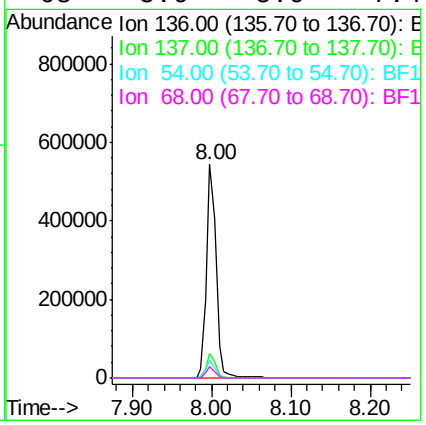


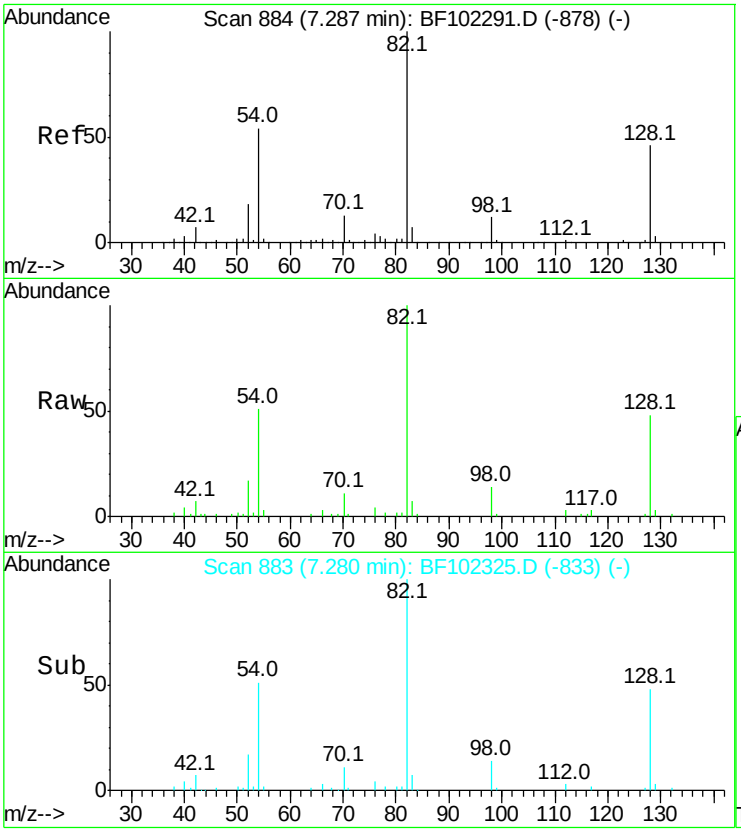


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.00 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

Tgt Ion:136 Resp: 466202

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	8.4	6.6	9.8
68	5.6	5.0	7.4



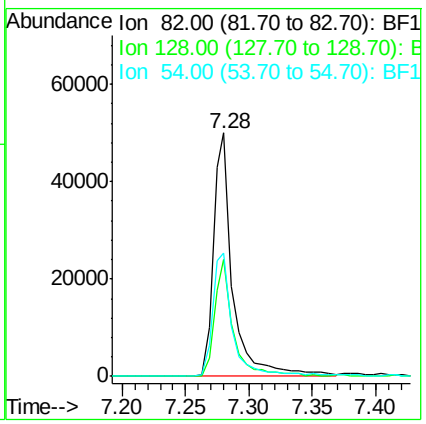


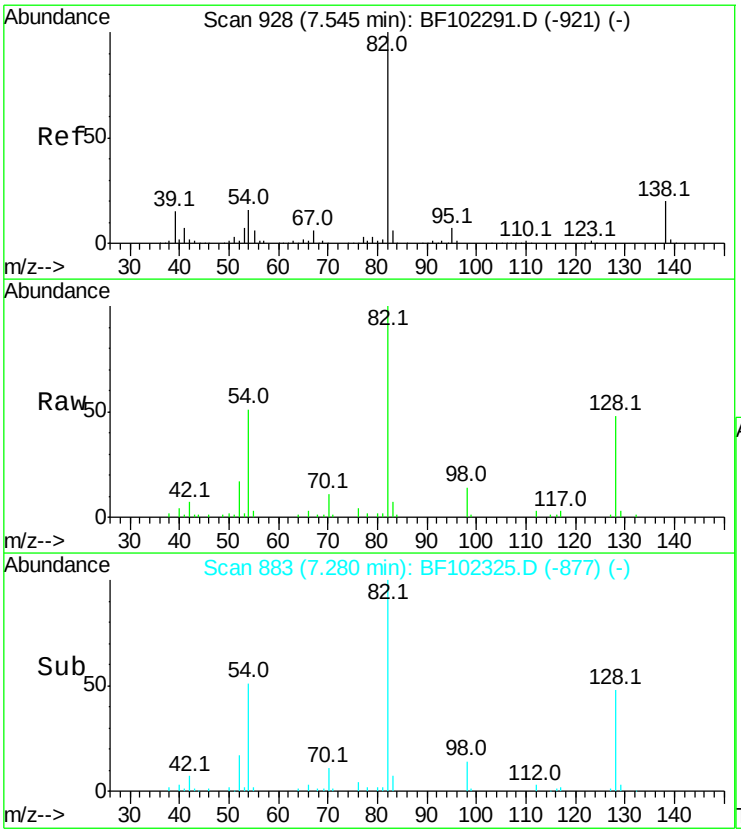
#23
Nitrobenzene-d5
Concen: 6.611 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 53635

Ion	Ratio	Lower	Upper
82	100		
128	48.2	36.1	54.1
54	50.9	41.4	62.2

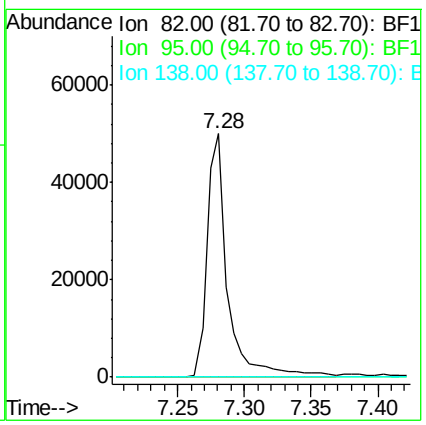


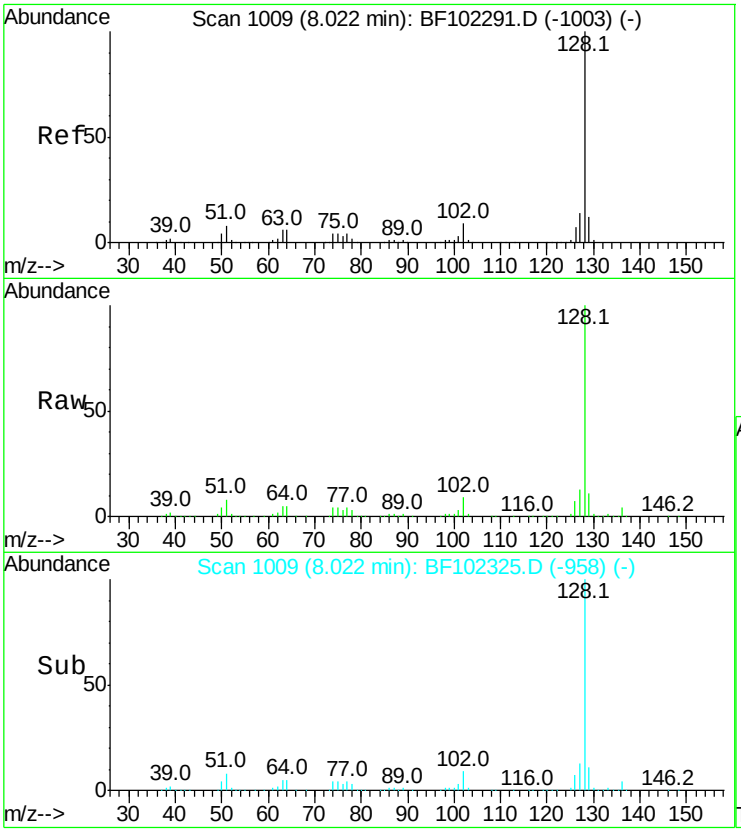


#25
Isophorone
Concen: 3.708 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.27 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

Tgt Ion: 82 Resp: 53634

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

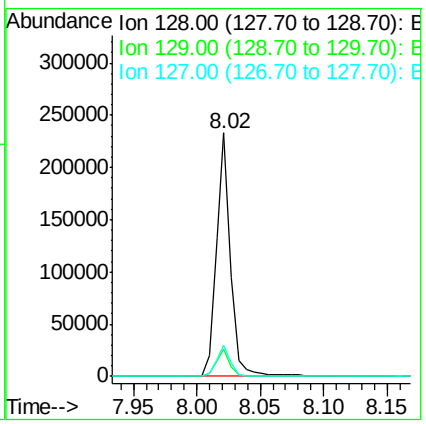




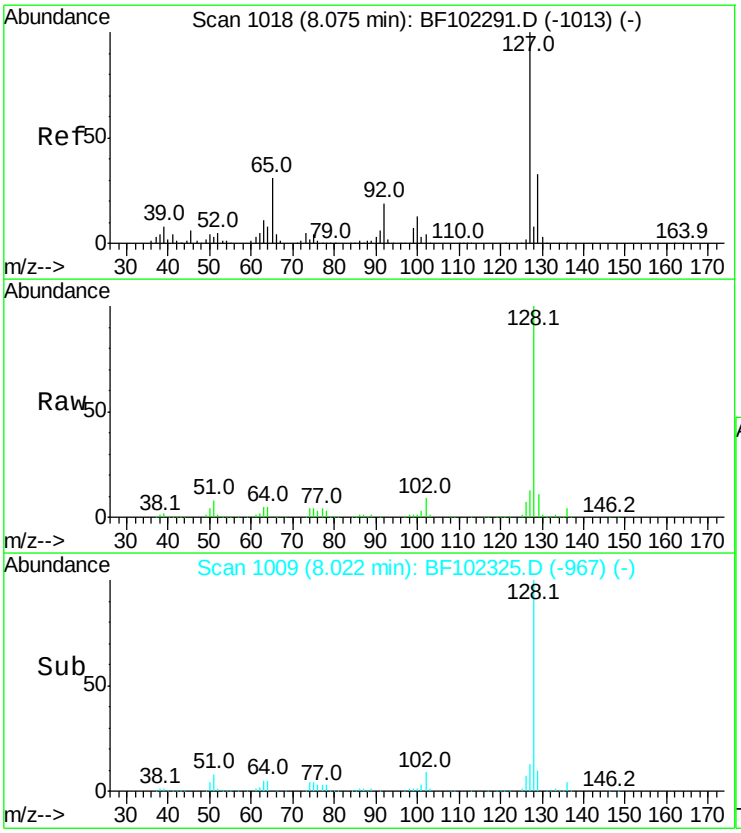
#31
Naphthalene
Concen: 7.898 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

Tgt Ion:128 Resp: 183841

Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.8	13.2
127	13.0	10.9	16.3



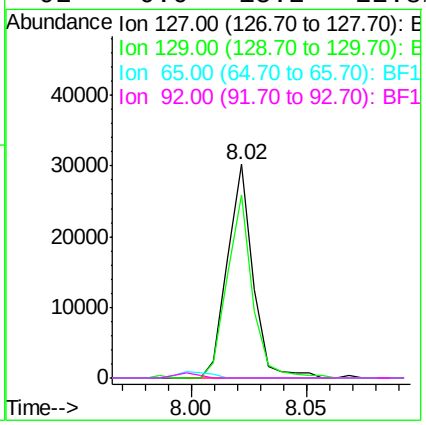
Instrument :
BNA_F
ClientSampleId :

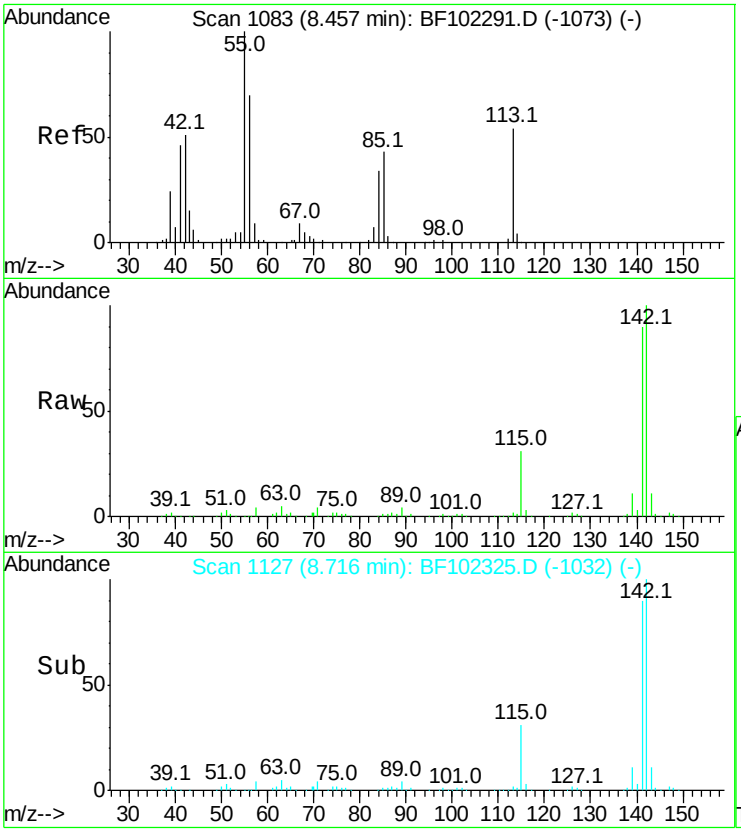


#33
4-Chloroaniline
Concen: 2.379 ng
RT: 8.02 min Scan# 1009
Delta R.T. -0.05 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

Tgt Ion:127 Resp: 23284

Ion	Ratio	Lower	Upper
127	100		
129	85.7	25.9	38.9#
65	0.0	25.0	37.4#
92	0.0	15.2	22.8#



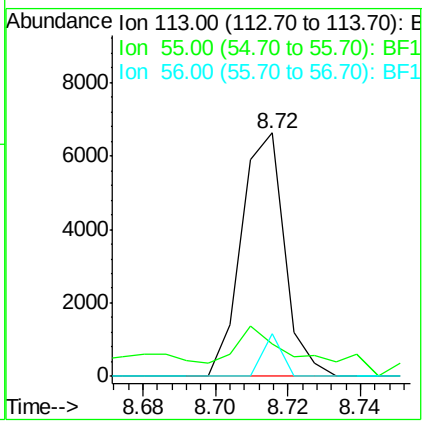


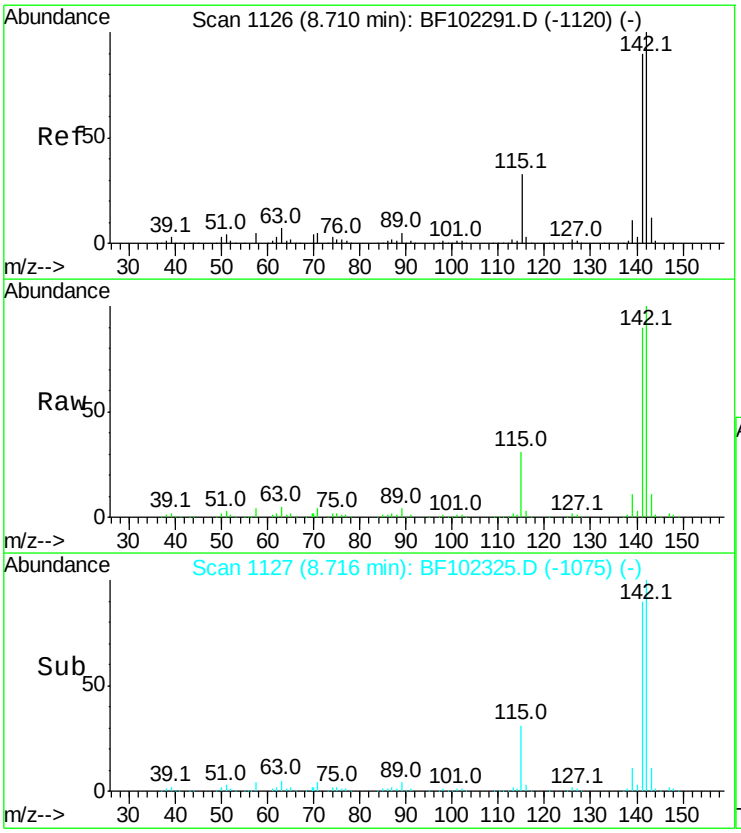
#35
Caprolactam
Concen: 2.564 ng
RT: 8.72 min Scan# 1127
Delta R.T. 0.26 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:113 Resp: 5473

Ion	Ratio	Lower	Upper
113	100		
55	13.3	163.3	203.3#
56	17.6	115.7	155.7#

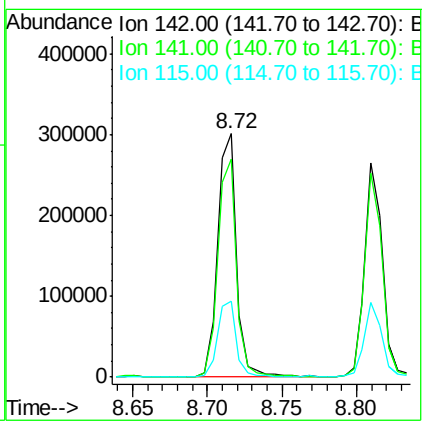


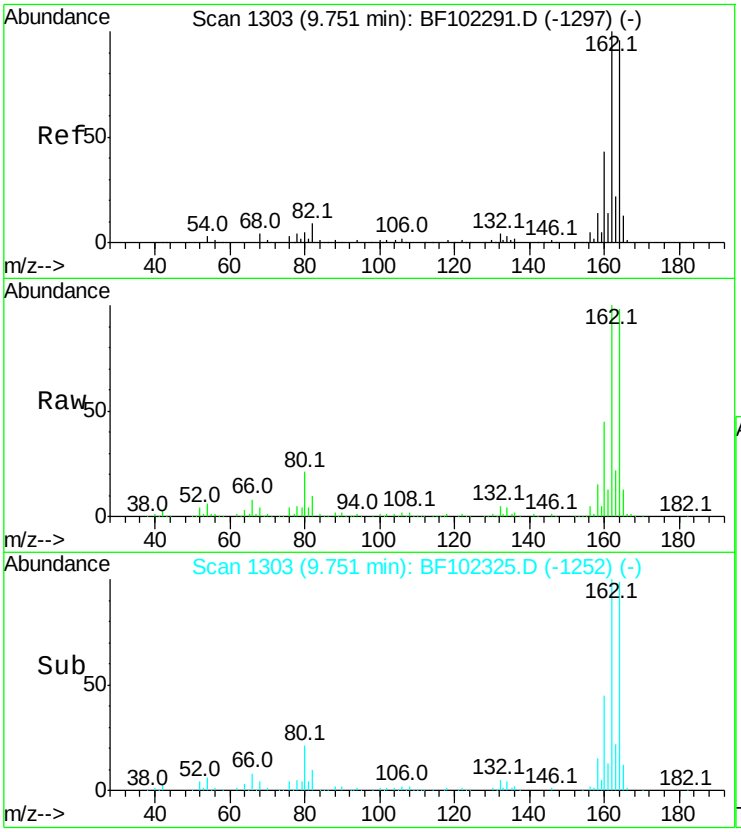


#37
2-Methylnaphthalene
Concen: 17.333 ng
RT: 8.72 min Scan# 1127
Delta R.T. 0.01 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

Tgt Ion:142 Resp: 268692

Ion	Ratio	Lower	Upper
142	100		
141	89.5	70.8	106.2
115	31.3	26.1	39.1



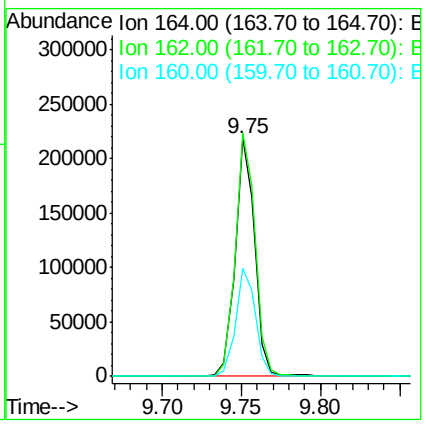


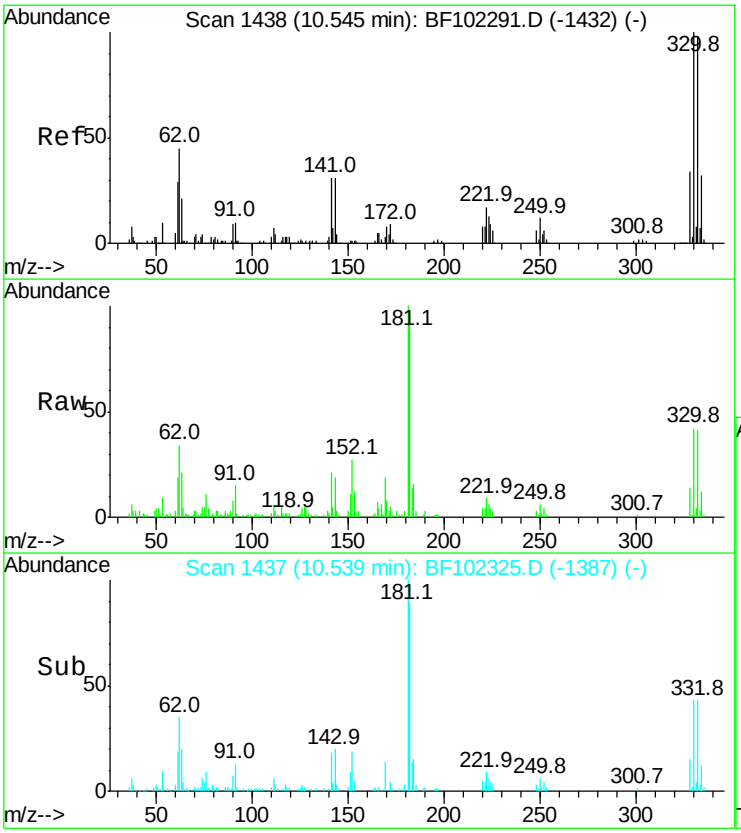
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.00 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 185908

Ion	Ratio	Lower	Upper
164	100		
162	102.2	86.1	129.1
160	45.6	38.3	57.5

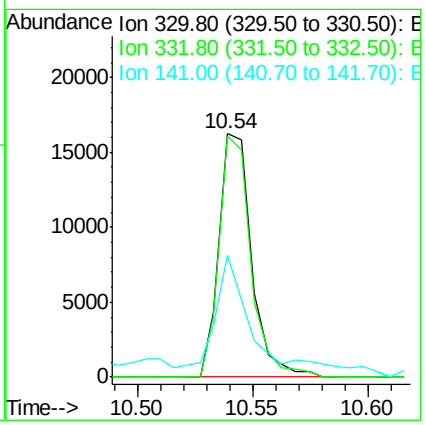


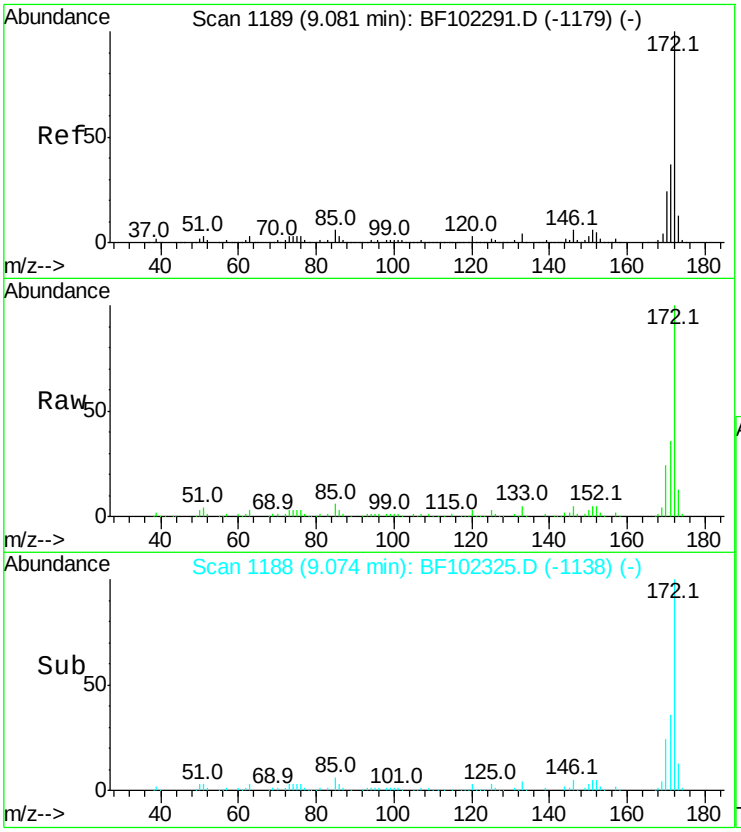


#41
2,4,6-Tribromophenol
Concen: 8.653 ng
RT: 10.54 min Scan# 1437
Delta R.T. -0.01 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

Tgt Ion:330 Resp: 15940

Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.0	115.6
141	63.8	29.9	44.9#



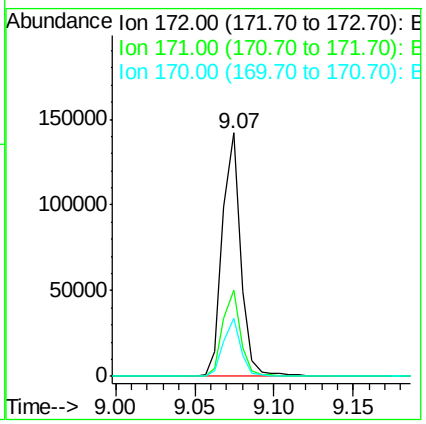


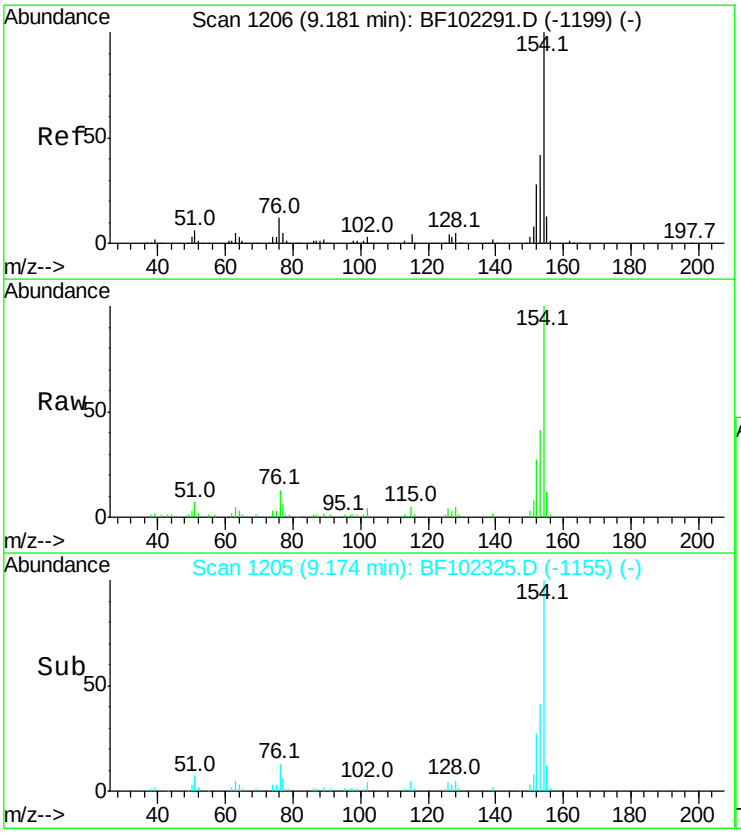
#44
2-Fluorobiphenyl
Concen: 9.030 ng
RT: 9.07 min Scan# 1188
Delta R.T. -0.01 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 114172

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

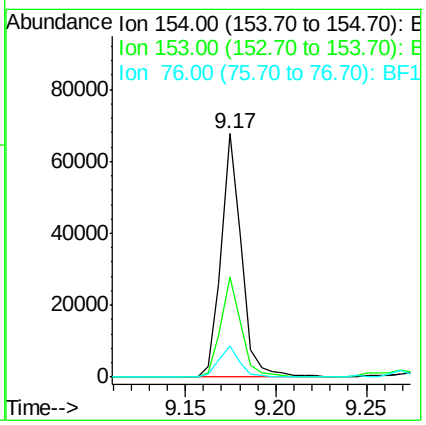


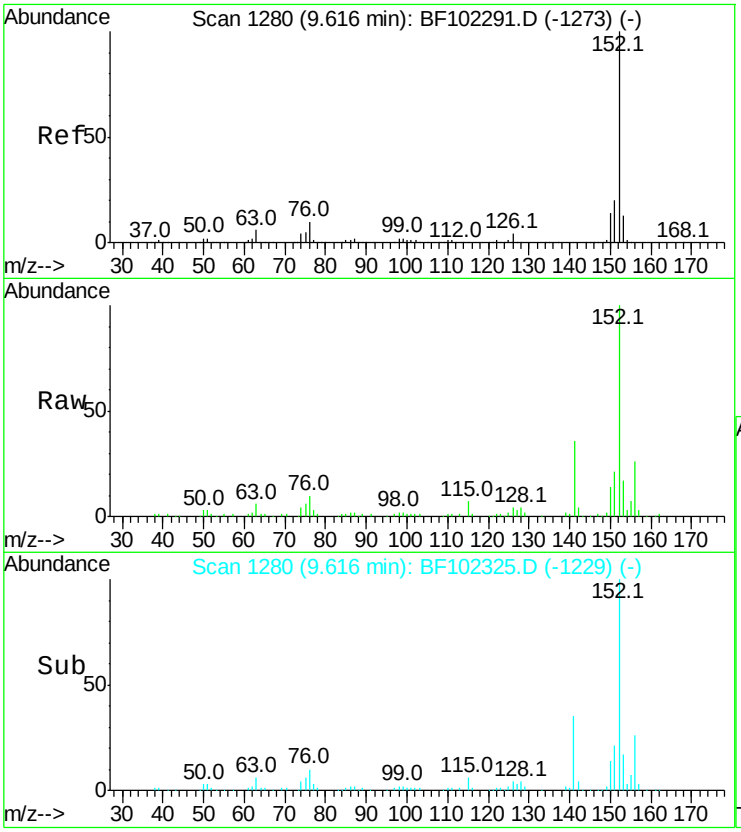


#45
1,1'-Biphenyl
Concen: 3.200 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.01 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

Tgt Ion:154 Resp: 53190

Ion	Ratio	Lower	Upper
154	100		
153	41.1	21.3	61.3
76	12.9	0.0	34.0



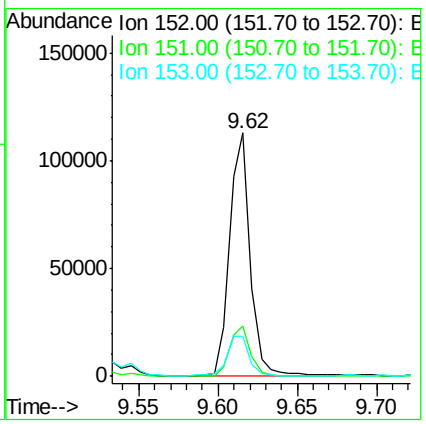


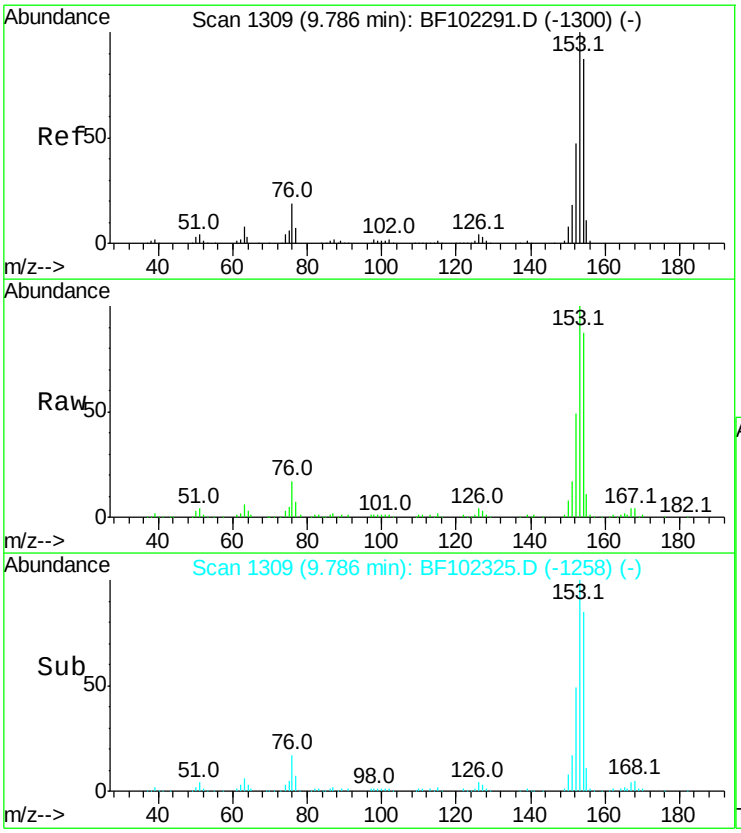
#48
Acenaphthylene
Concen: 5.084 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.00 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 102350

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.3	24.5
153	16.7	10.7	16.1#

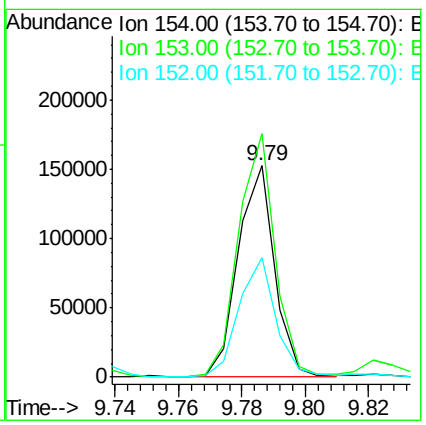


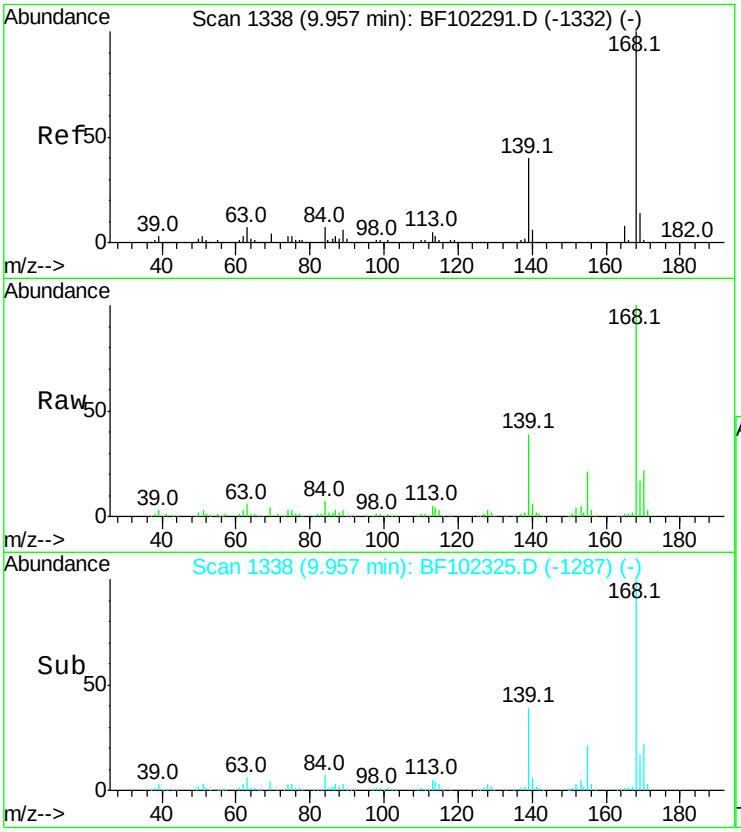


#51
Acenaphthene
Concen: 10.353 ng
RT: 9.79 min Scan# 1309
Delta R.T. -0.00 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

Tgt Ion:154 Resp: 121720

Ion	Ratio	Lower	Upper
154	100		
153	115.2	91.2	136.8
152	56.4	43.8	65.8



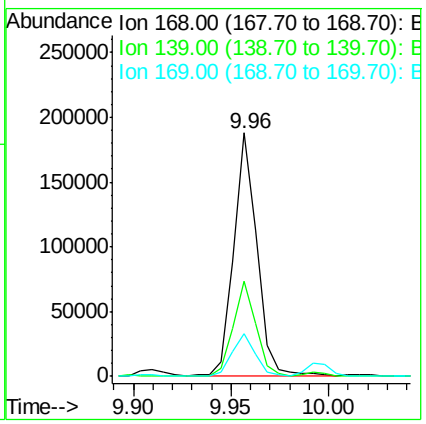


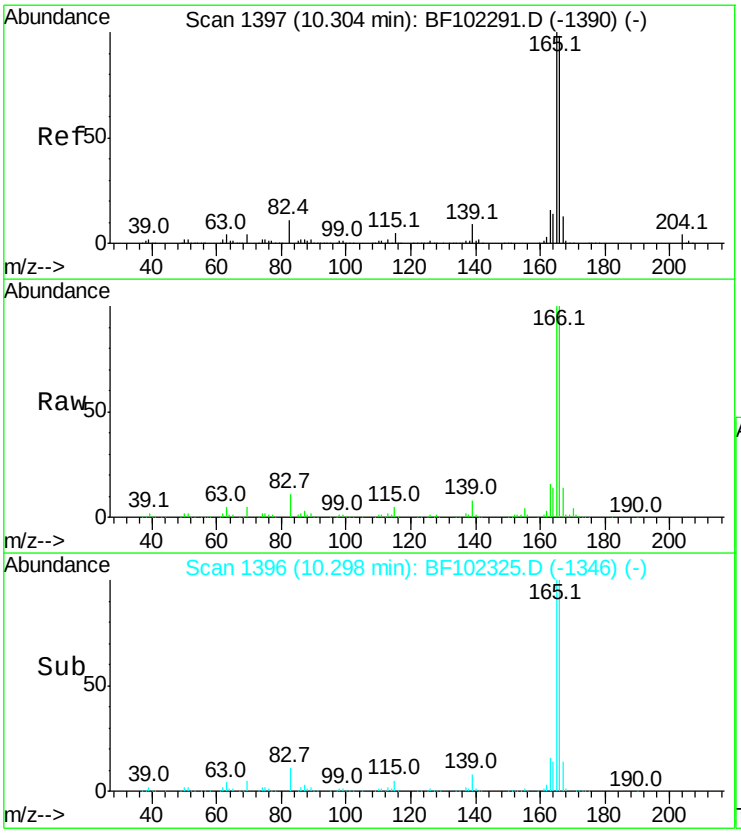
#54
Dibenzofuran
Concen: 9.638 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.00 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:168 Resp: 153358

Ion	Ratio	Lower	Upper
168	100		
139	38.9	30.1	45.1
169	17.4	10.9	16.3#

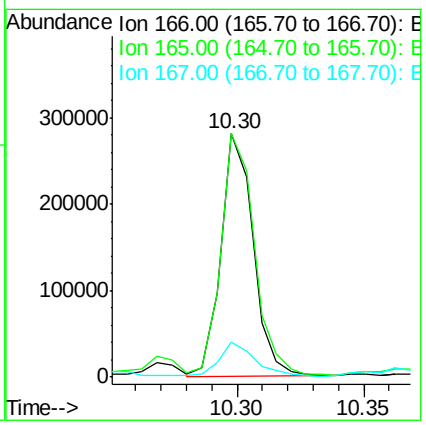


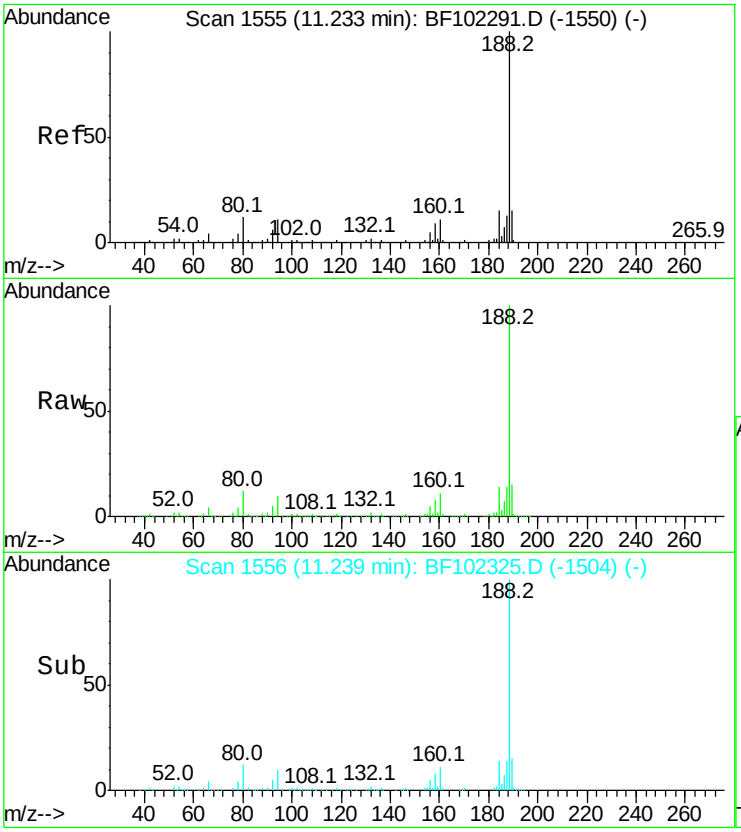


#57
Fluorene
Concen: 19.610 ng
RT: 10.30 min Scan# 1396
Delta R.T. -0.01 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

Tgt Ion:166 Resp: 247246

Ion	Ratio	Lower	Upper
166	100		
165	100.0	79.8	119.8
167	14.5	10.6	16.0



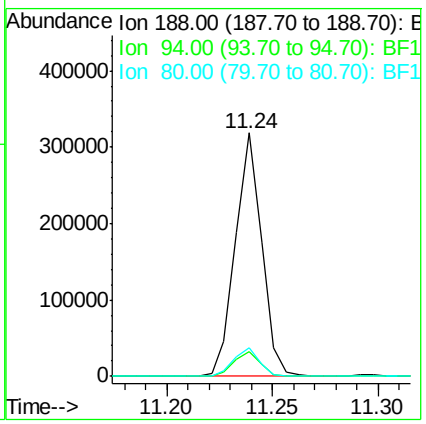


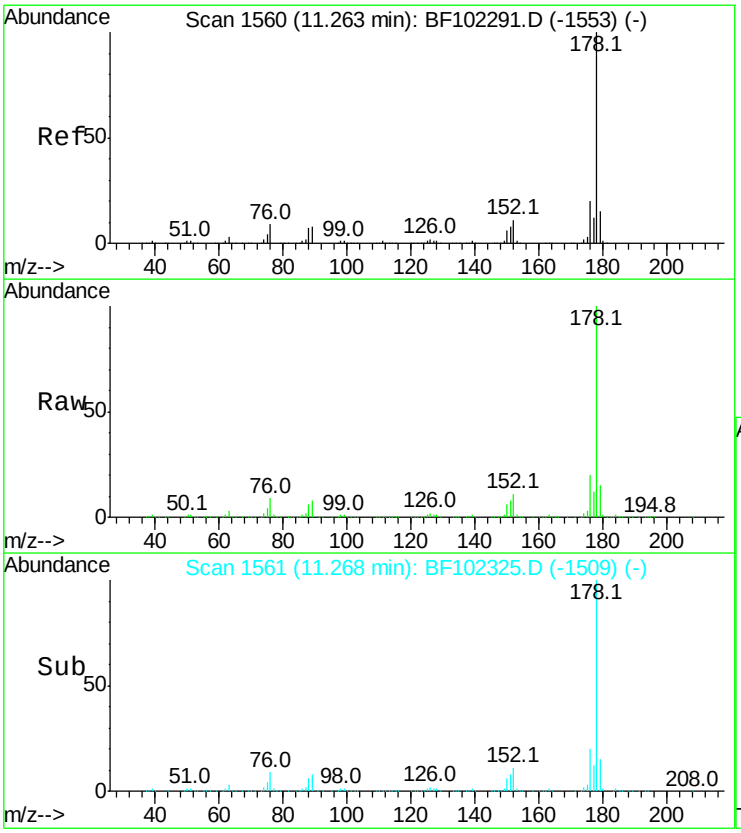
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. 0.01 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 275341

Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.5	12.7
80	11.7	9.2	13.8

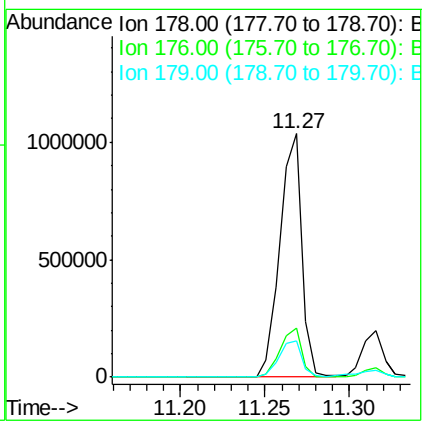


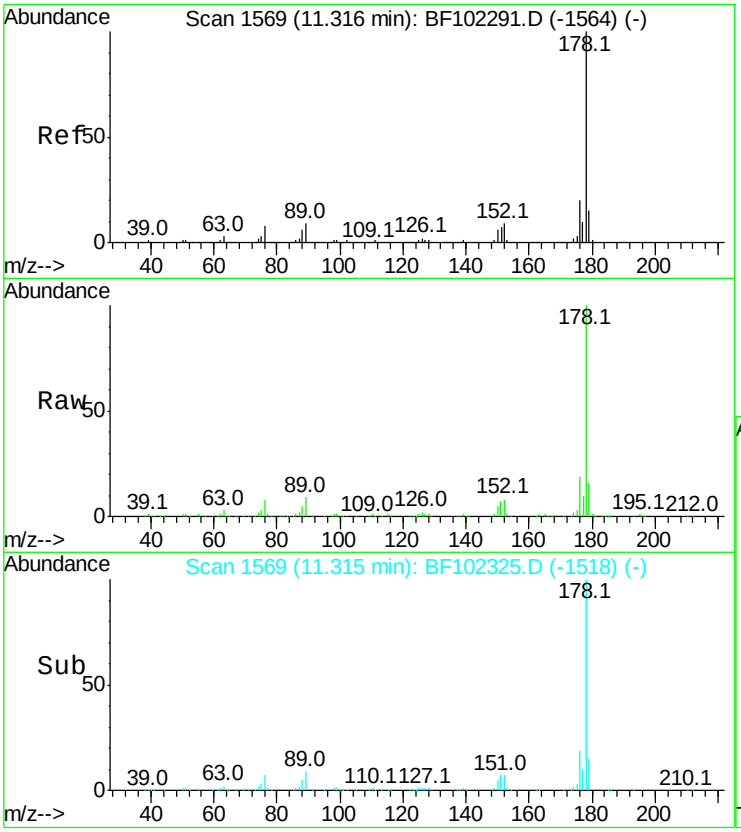


#70
Phenanthrene
Concen: 58.624 ng
RT: 11.27 min Scan# 1561
Delta R.T. 0.01 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

Tgt Ion:178 Resp: 940609

Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.8	23.8
179	15.1	13.0	19.6



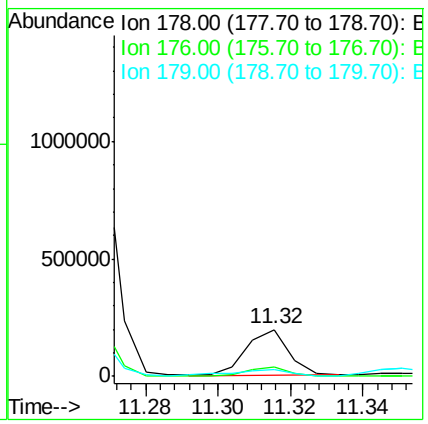


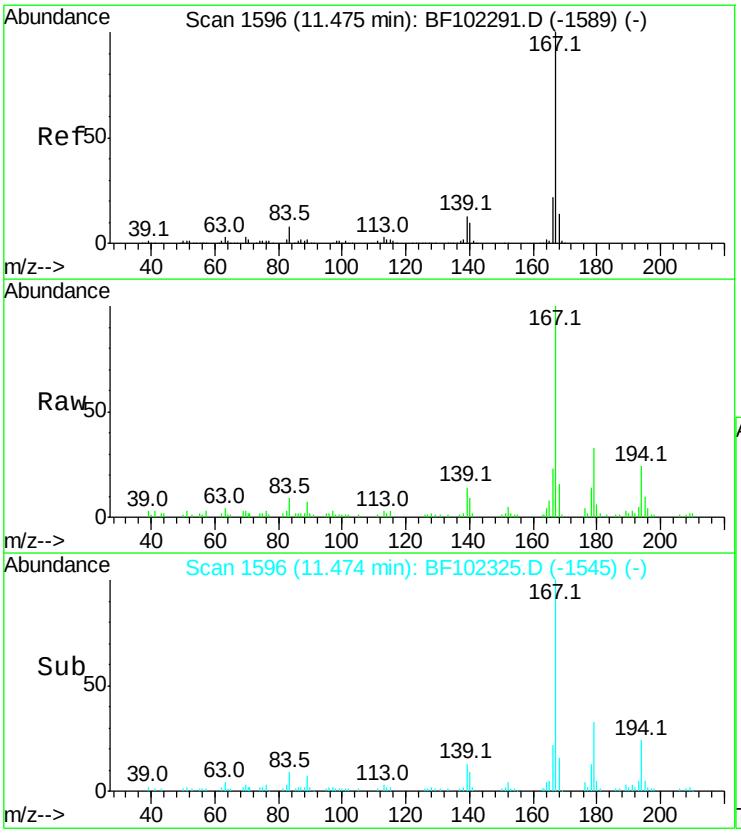
#71
Anthracene
Concen: 9.737 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.00 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 159454

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.4	23.2
179	15.8	12.6	19.0

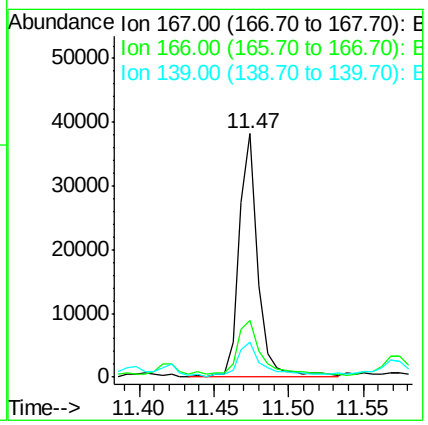


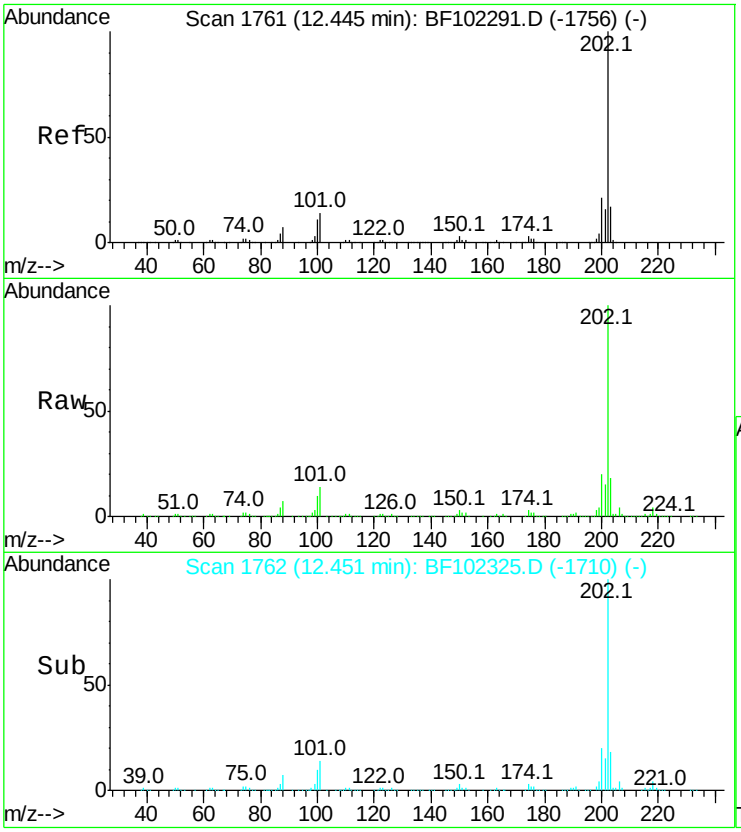


#72
Carbazole
Concen: 2.126 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.00 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

Tgt Ion:167 Resp: 33972

Ion	Ratio	Lower	Upper
167	100		
166	23.3	17.6	26.4
139	14.5	10.9	16.3



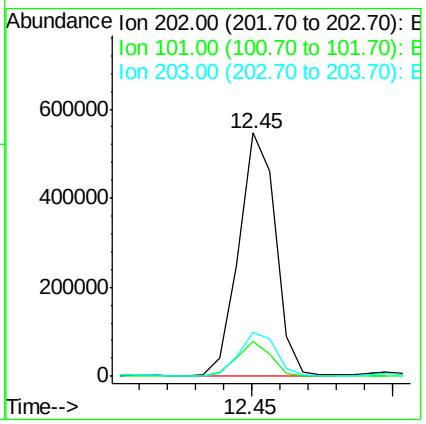


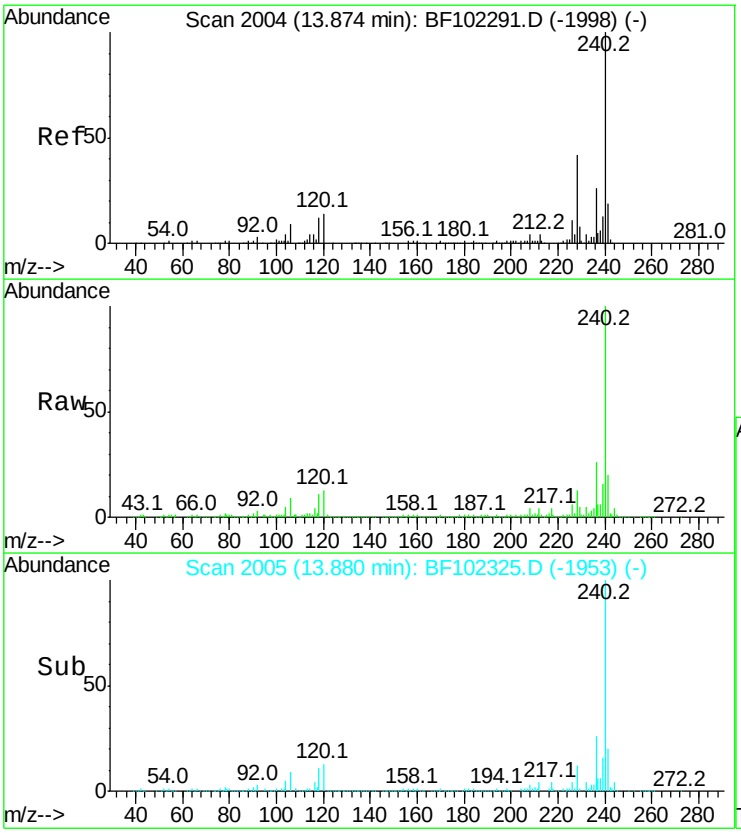
#74
Fluoranthene
Concen: 30.244 ng
RT: 12.45 min Scan# 1762
Delta R.T. 0.01 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 494844

Ion	Ratio	Lower	Upper
202	100		
101	14.3	0.0	34.1
203	18.0	0.0	38.1

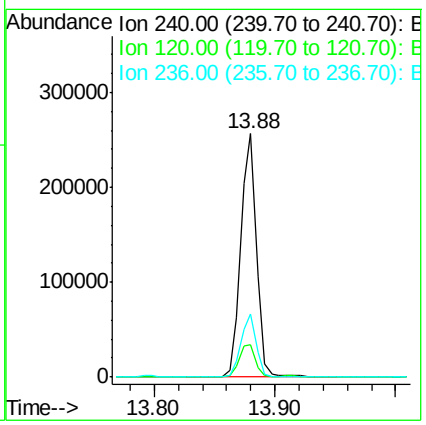


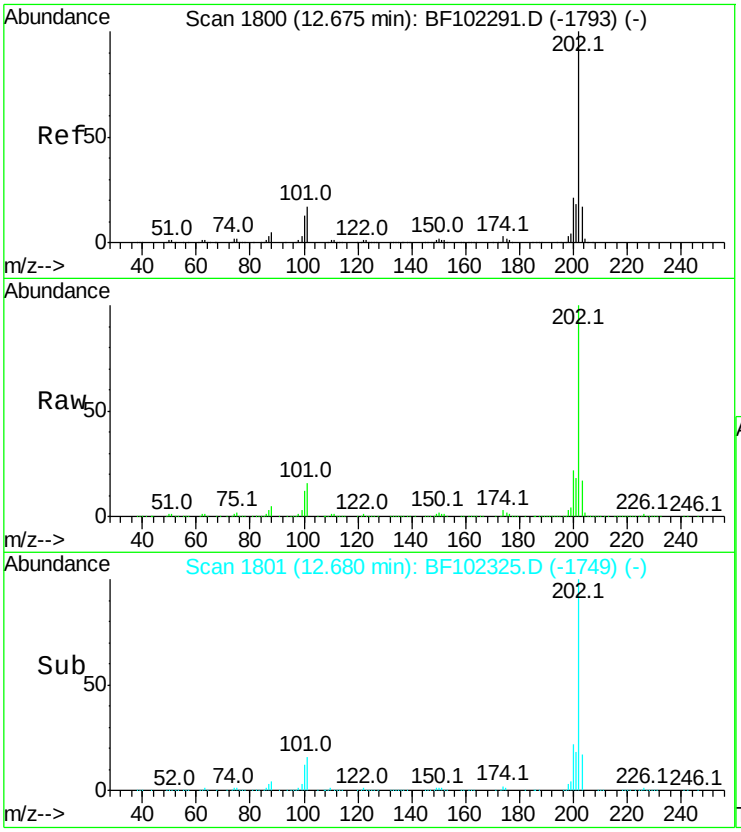


#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.88 min Scan# 2005
Delta R.T. 0.01 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

Tgt Ion:240 Resp: 232155

Ion	Ratio	Lower	Upper
240	100		
120	13.5	9.5	14.3
236	25.9	20.7	31.1



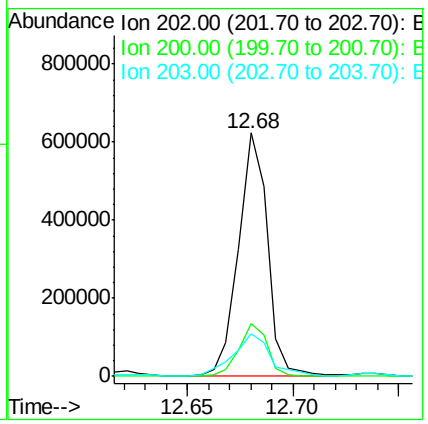


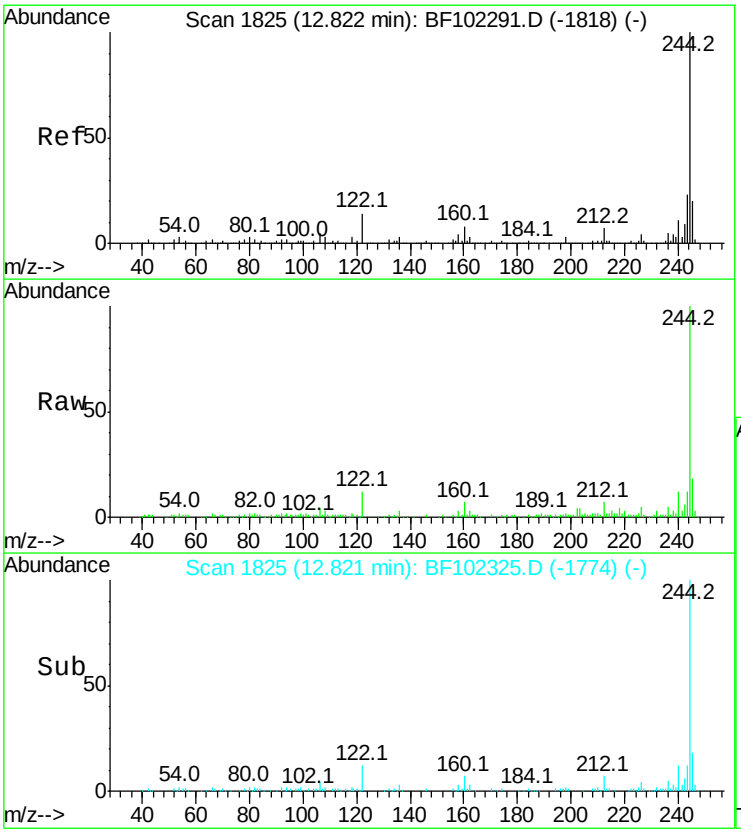
#77
Pyrene
Concen: 32.830 ng
RT: 12.68 min Scan# 1801
Delta R.T. 0.01 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 589282

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.4	26.2
203	17.3	14.3	21.5

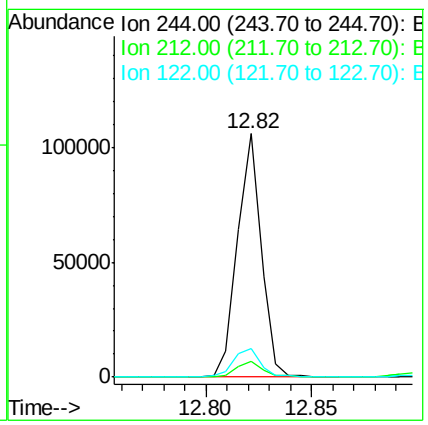


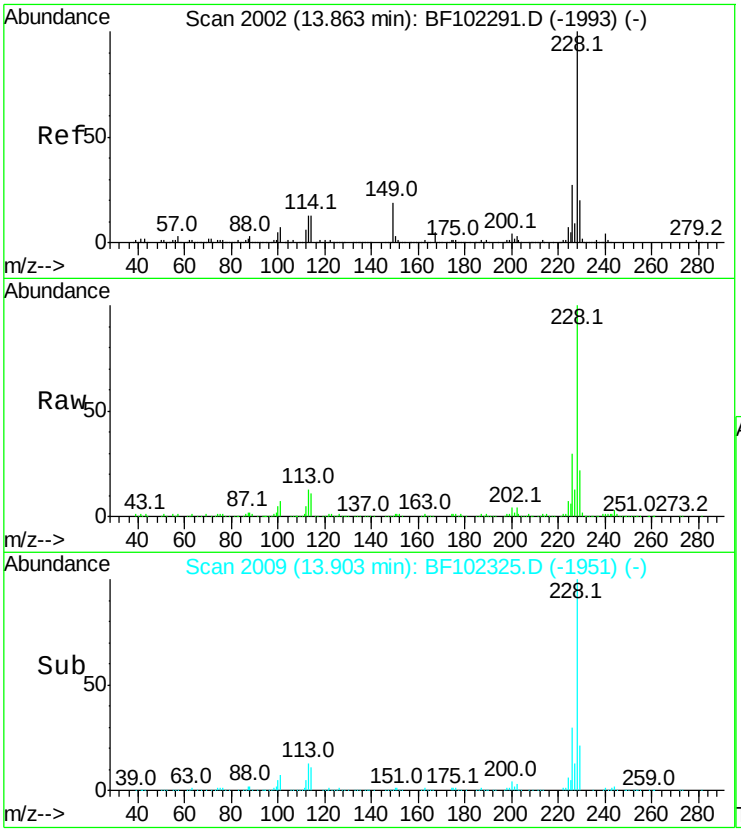


#78
Terphenyl-d14
Concen: 8.032 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.00 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

Tgt Ion:244 Resp: 82711

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	11.7	11.0	16.4



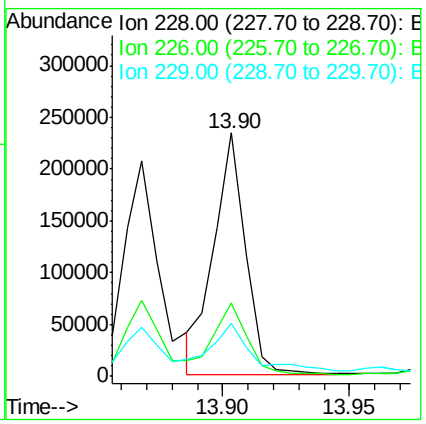


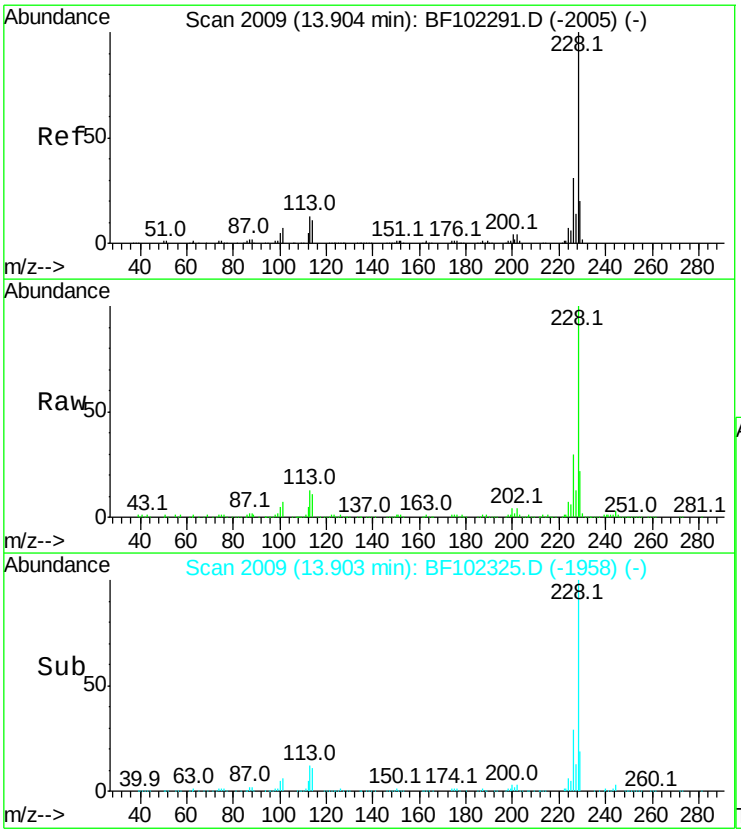
#80
Benzo(a)anthracene
Concen: 14.143 ng
RT: 13.90 min Scan# 2009
Delta R.T. 0.04 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 202147

Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.6	33.8
229	21.9	15.8	23.6

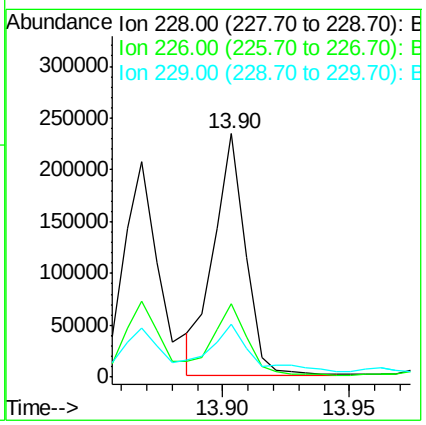


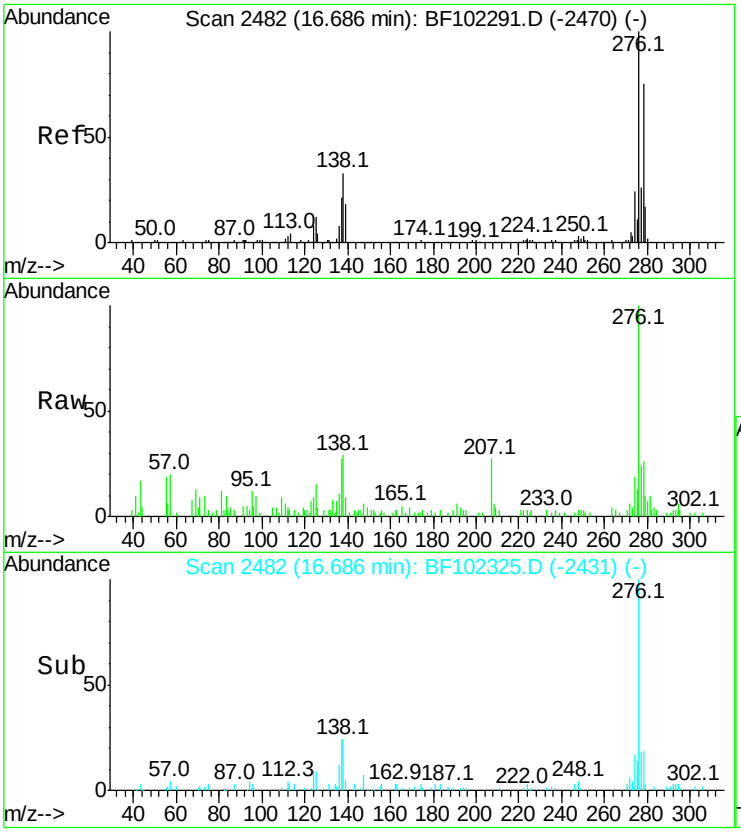


#82
Chrysene
Concen: 13.927 ng
RT: 13.90 min Scan# 2009
Delta R.T. -0.00 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

Tgt Ion:228 Resp: 202147

Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.0	37.6
229	21.9	16.2	24.4



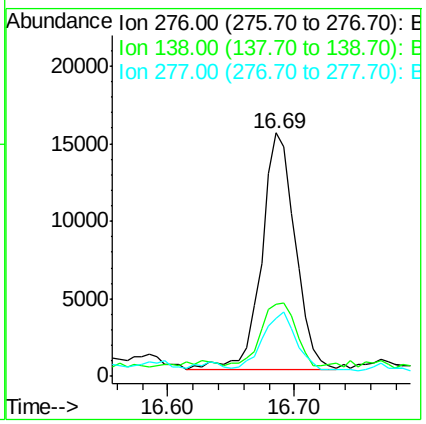


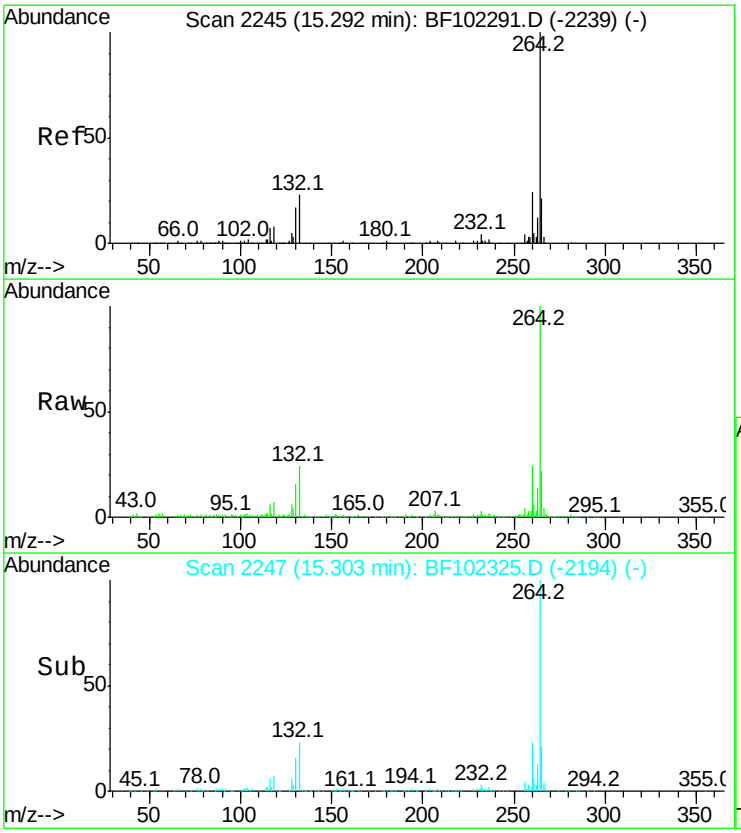
#85
Indeno(1,2,3-cd)pyrene
Concen: 2.349 ng
RT: 16.69 min Scan# 2482
Delta R.T. -0.00 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 28158

Ion	Ratio	Lower	Upper
276	100		
138	27.9	25.0	37.6
277	24.5	20.1	30.1

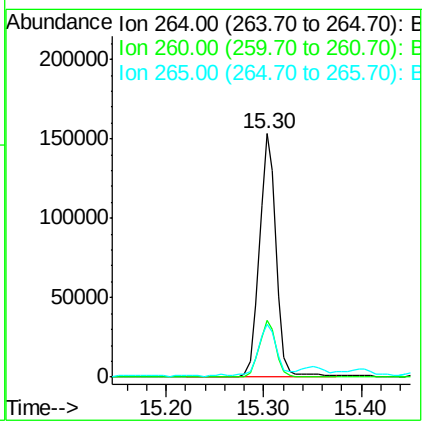


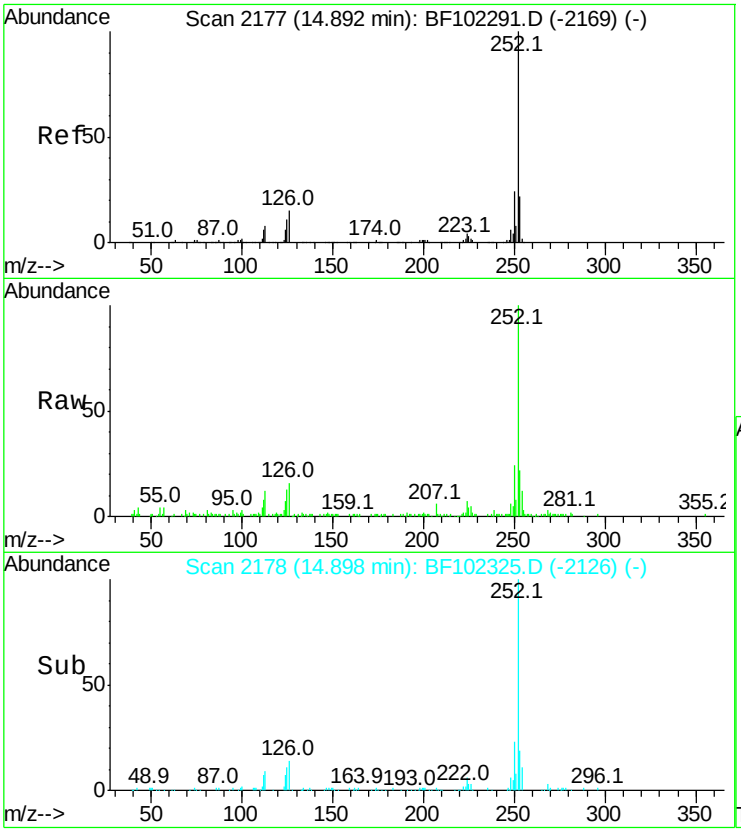


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2247
Delta R.T. 0.01 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

Tgt Ion:264 Resp: 188032

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	21.9	17.5	26.3



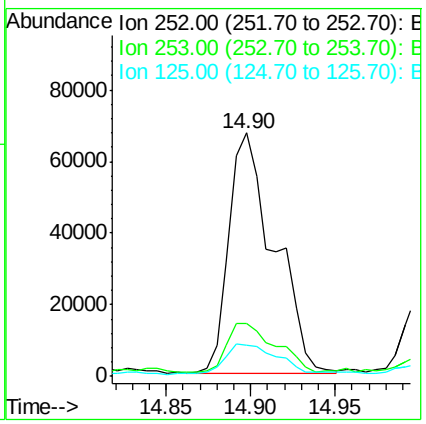


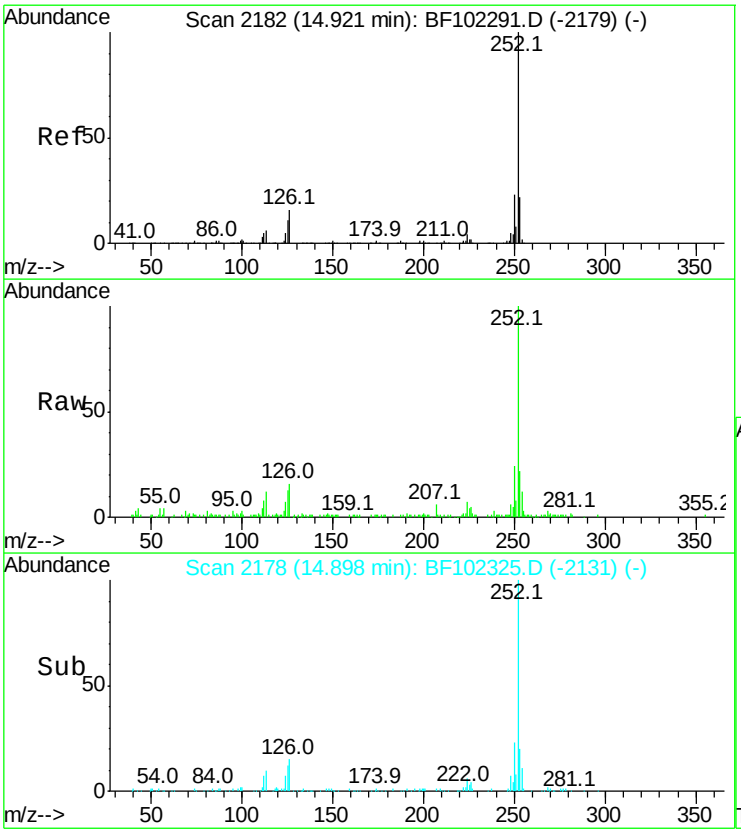
#87
Benzo(b)fluoranthene
Concen: 10.260 ng
RT: 14.90 min Scan# 2178
Delta R.T. 0.01 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 125042

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.0	25.6
125	12.8	9.0	13.6

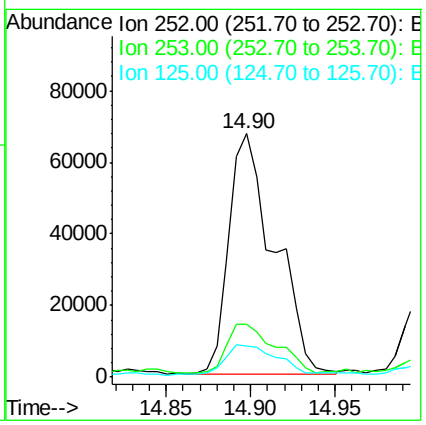


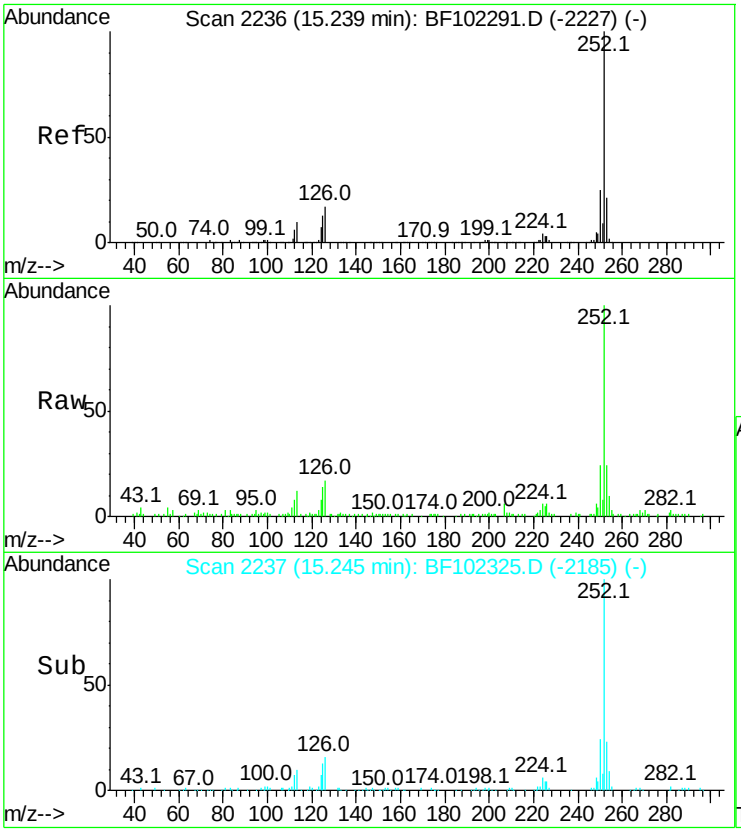


#88
Benzo(k)fluoranthene
Concen: 10.860 ng
RT: 14.90 min Scan# 2178
Delta R.T. -0.02 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

Tgt Ion:252 Resp: 125042

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.9	26.9
125	12.8	10.2	15.2



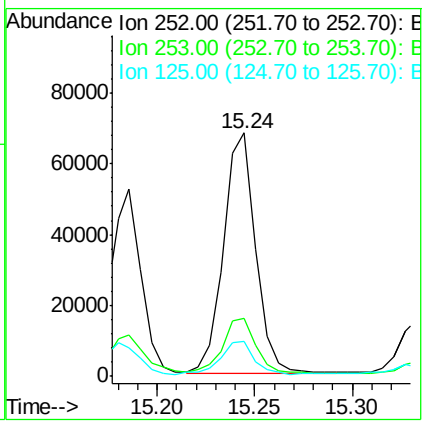


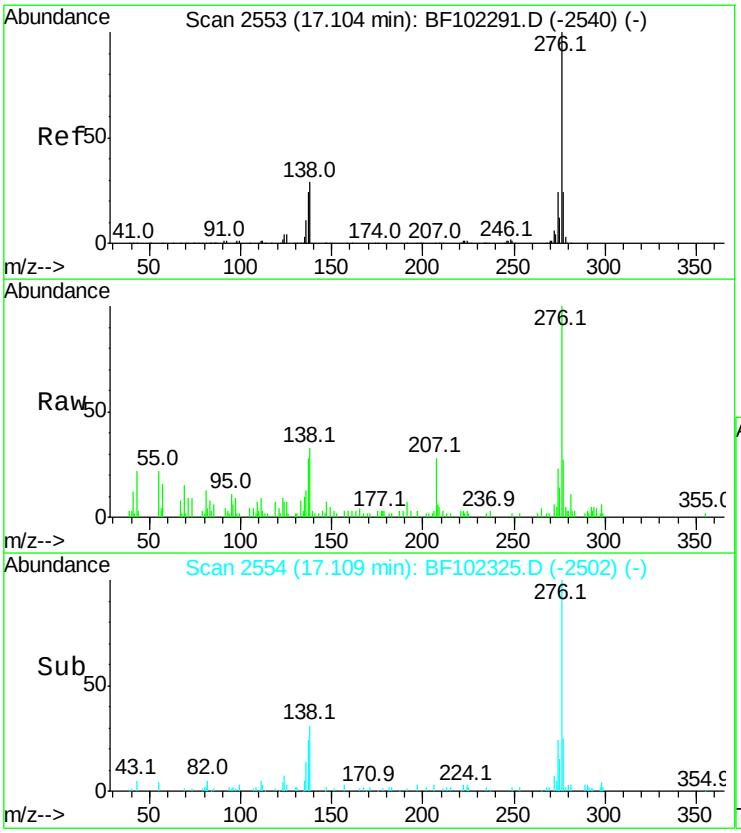
#89
Benzo(a)pyrene
Concen: 7.082 ng
RT: 15.24 min Scan# 2237
Delta R.T. 0.01 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 77838

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.1	25.7
125	14.5	9.8	14.6





#91
Benzo(g,h,i)perylene
Concen: 3.624 ng
RT: 17.11 min Scan# 2554
Delta R.T. 0.01 min
Lab File: BF102325.D
Acq: 23 Jan 2018 3:53

Tgt Ion:276 Resp: 31859

Ion	Ratio	Lower	Upper
276	100		
277	26.9	17.9	26.9
138	32.9	21.8	32.8#