Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF082917\
Data File : BF098124.D
Acq On : 29 Aug 2017 21:29
Operator : SJ/JU
Sample : I4994-04 20X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Aug 30 03:02:02 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF081517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Aug 21 15:59:04 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	119548	20.00	ng		-0.02
21) Naphthalene-d8	8.02	136	467754	20.00	ng		-0.02
38) Acenaphthene-d10	9.77	164	190271	20.00	ng		-0.02
63) Phenanthrene-d10	11.25	188	299390	20.00	ng		-0.01
75) Chrysene-d12	13.89	240	240803	20.00	ng		-0.01
86) Perylene-d12	15.30	264	203660	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.33	112	46095	5.86	ng		-0.02
7) Phenol-d6	6.36	99	66161	6.20	ng		-0.03
23) Nitrobenzene-d5	7.29	82	38381	4.46	ng		-0.03
41) 2,4,6-Tribromophenol	10.56	330	7593	4.60	ng		-0.02
44) 2-Fluorobiphenyl	9.09	172	67727	5.23	ng		-0.02
78) Terphenyl-d14	12.83	244	41123	3.56	ng		-0.02
Target Compounds							Qvalue
25) Isophorone	7.29	82	38223	2.135	ng	#	67
31) Naphthalene	8.04	128	53669	2.210	ng		98
37) 2-Methylnaphthalene	8.73	142	46198	3.103	ng		97
48) Acenaphthylene	9.63	152	41036	2.038	ng		98
50) 2,6-Dinitrotoluene	9.77	165	25990	9.362	ng	#	34
54) Dibenzofuran	9.97	168	43366	2.548	ng		98
55) 4-Nitrophenol	9.97	139	16587	5.805	ng	#	29
57) Fluorene	10.32	166	92031	6.995	ng		95
70) Phenanthrene	11.27	178	395634	24.799	ng		99
71) Anthracene	11.33	178	97615	6.033	ng		98
74) Fluoranthene	12.46	202	329921	19.813	ng		99
77) Pyrene	12.69	202	300650	15.265	ng		98
80) Benzo(a)anthracene	13.87	228	140110	9.708	ng		96
82) Chrysene	13.91	228	116826	8.137	ng		98
85) Indeno(1,2,3-cd)pyrene	16.67	276	38722	3.666	ng		94
87) Benzo(b)fluoranthene	14.90	252	164302	12.799	ng		98
88) Benzo(k)fluoranthene	14.90	252	164302	13.623	ng		97
89) Benzo(a)pyrene	15.24	252	90750	7.985	ng		98
91) Benzo(g,h,i)perylene	17.09	276	35594	3.687	ng		97

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

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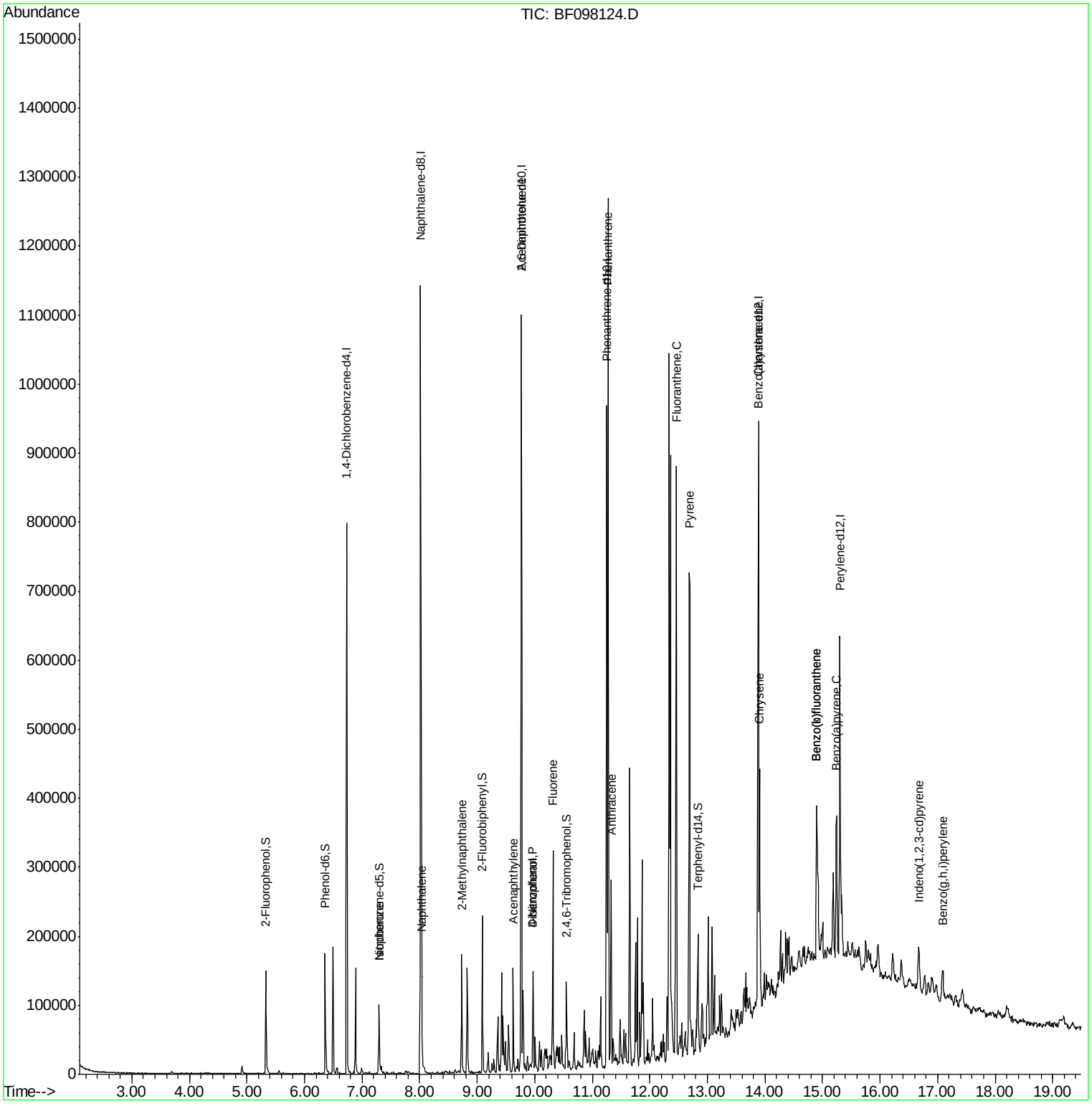
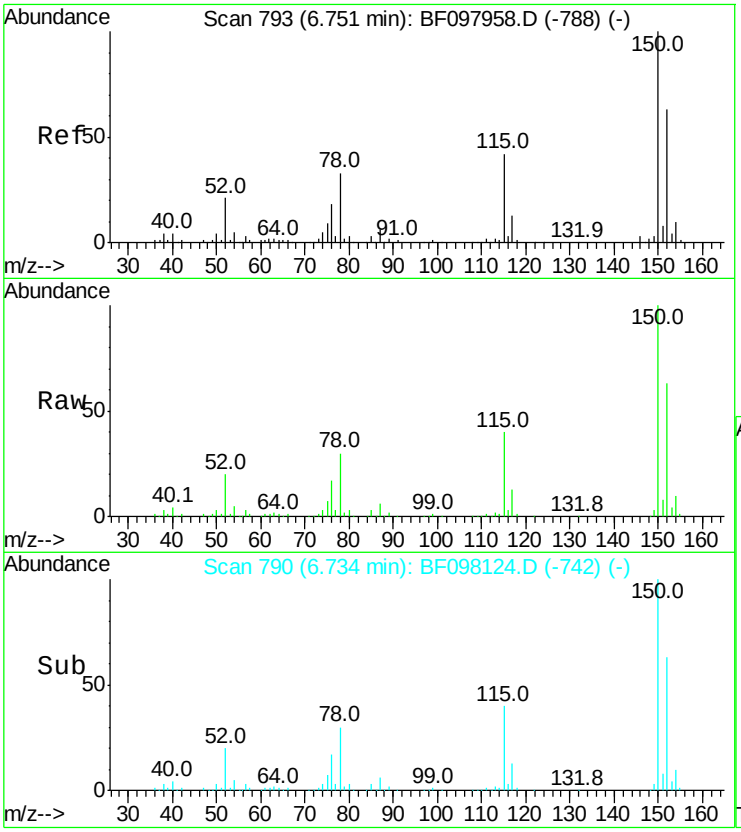


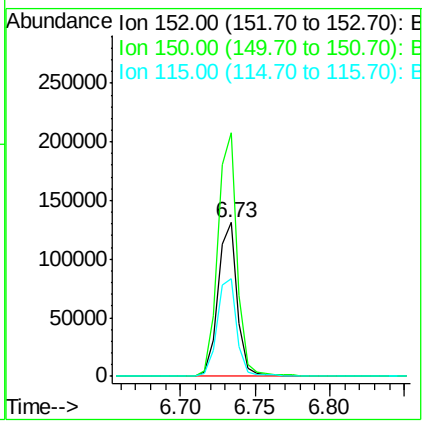


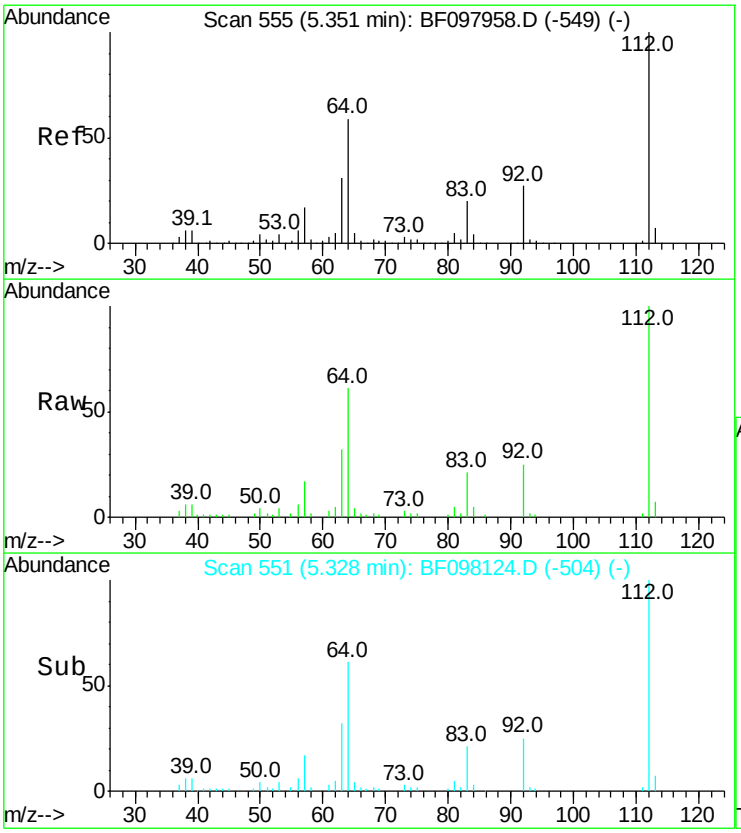
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 790
Delta R.T. -0.02 min
Lab File: BF098124.D
Acq: 29 Aug 2017 21:29

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 119548

Ion	Ratio	Lower	Upper
152	100		
150	158.6	126.2	189.2
115	63.7	52.2	78.2

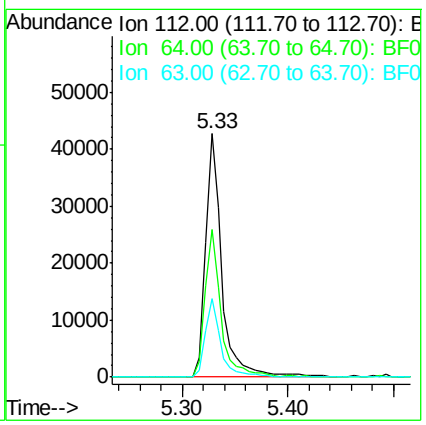


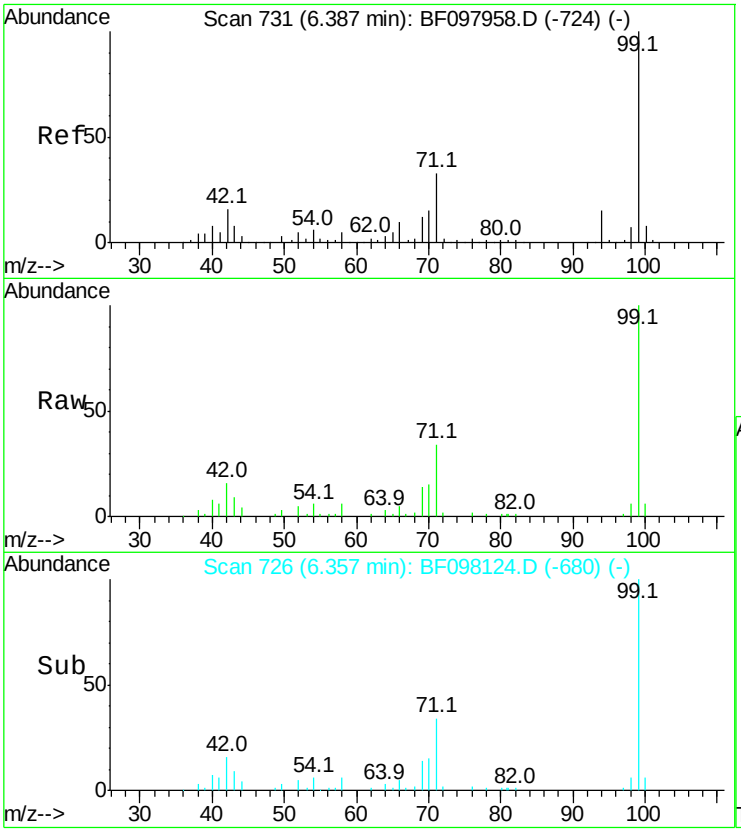


#5
2-Fluorophenol
Concen: 5.865 ng
RT: 5.33 min Scan# 551
Delta R.T. -0.02 min
Lab File: BF098124.D
Acq: 29 Aug 2017 21:29

Tgt Ion:112 Resp: 46095

Ion	Ratio	Lower	Upper
112	100		
64	60.8	46.0	69.0
63	32.4	23.4	35.0



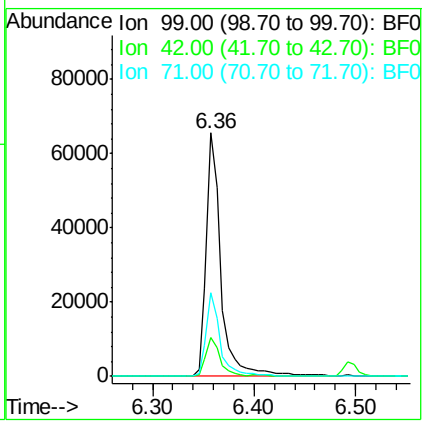


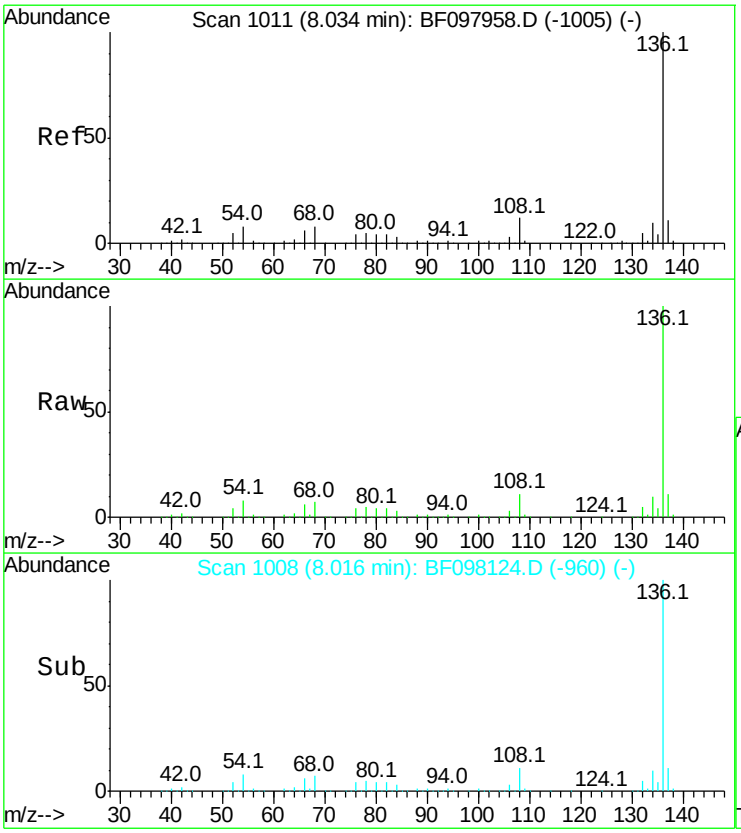
#7
Phenol-d6
Concen: 6.196 ng
RT: 6.36 min Scan# 726
Delta R.T. -0.03 min
Lab File: BF098124.D
Acq: 29 Aug 2017 21:29

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 66161

Ion	Ratio	Lower	Upper
99	100		
42	15.8	13.5	20.3
71	34.2	24.5	36.7

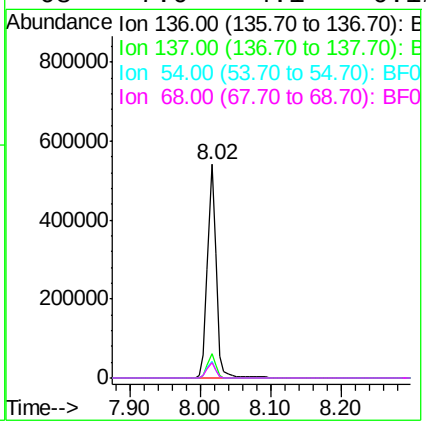


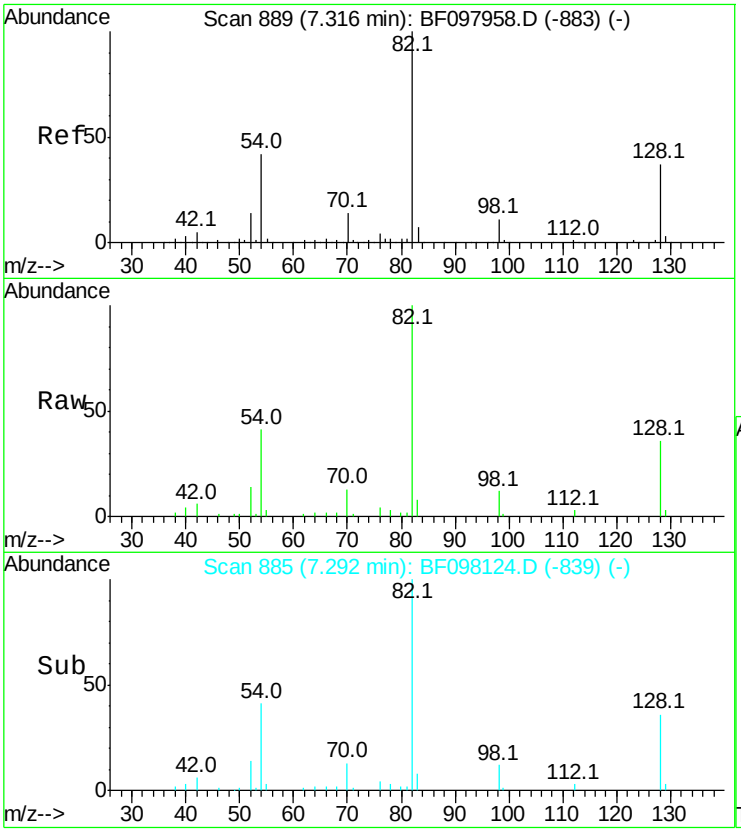


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1008
Delta R.T. -0.02 min
Lab File: BF098124.D
Acq: 29 Aug 2017 21:29

Tgt Ion:136 Resp: 467754

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.5	12.7
54	8.0	4.9	7.3#
68	7.0	4.1	6.1#

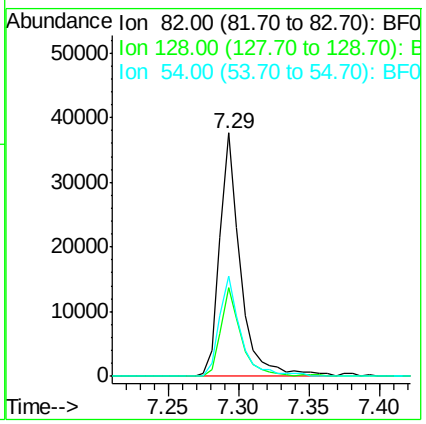




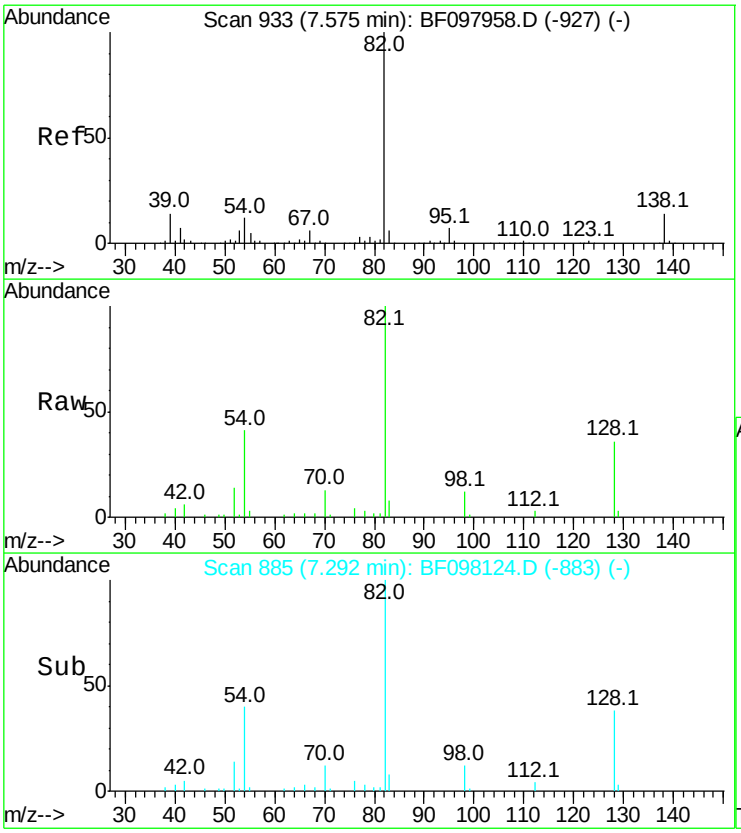
#23
Nitrobenzene-d5
Concen: 4.458 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.03 min
Lab File: BF098124.D
Acq: 29 Aug 2017 21:29

Tgt Ion: 82 Resp: 38381

Ion	Ratio	Lower	Upper
82	100		
128	36.4	34.0	51.0
54	41.0	42.2	63.2#



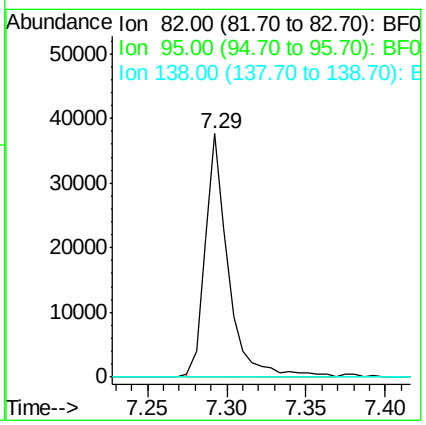
Instrument :
BNA_F
ClientSampleId :

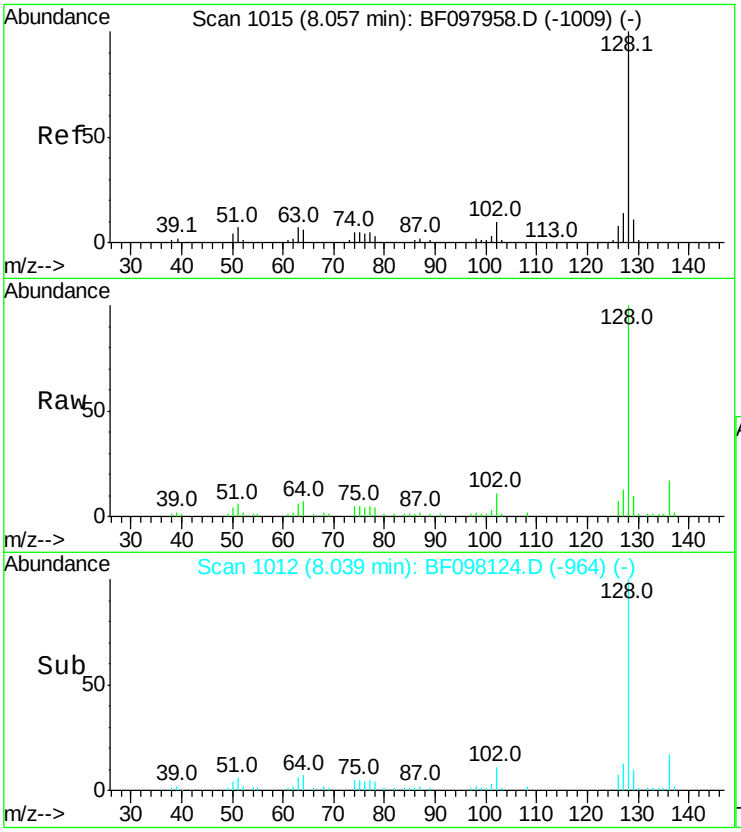


#25
Isophorone
Concen: 2.135 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.29 min
Lab File: BF098124.D
Acq: 29 Aug 2017 21:29

Tgt Ion: 82 Resp: 38223

Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.3	7.9#
138	0.0	13.1	19.7#



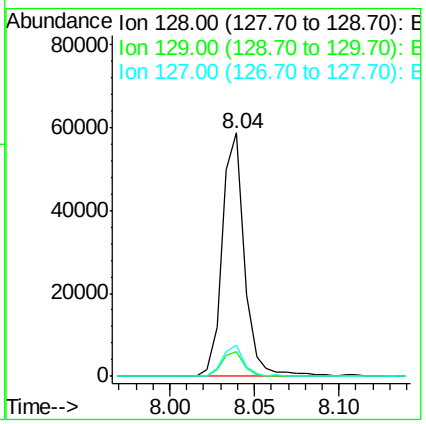


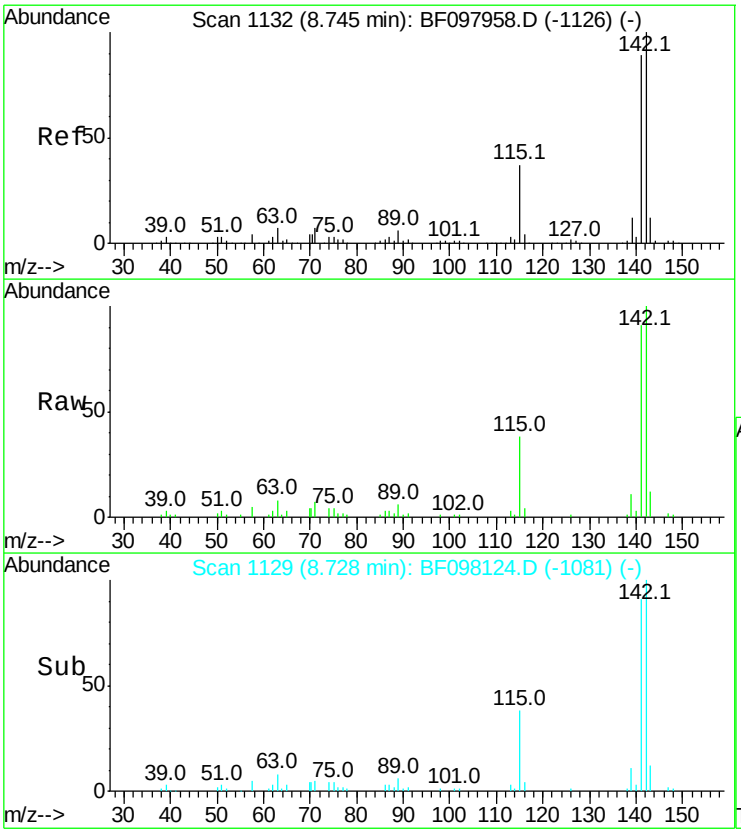
#31
Naphthalene
Concen: 2.210 ng
RT: 8.04 min Scan# 1012
Delta R.T. -0.02 min
Lab File: BF098124.D
Acq: 29 Aug 2017 21:29

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:128 Resp: 53669

Ion	Ratio	Lower	Upper
128	100		
129	10.1	9.0	13.6
127	13.0	10.8	16.2

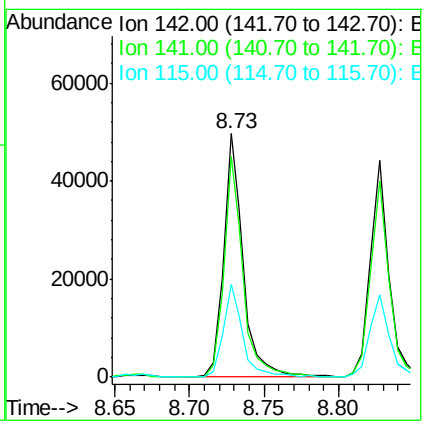


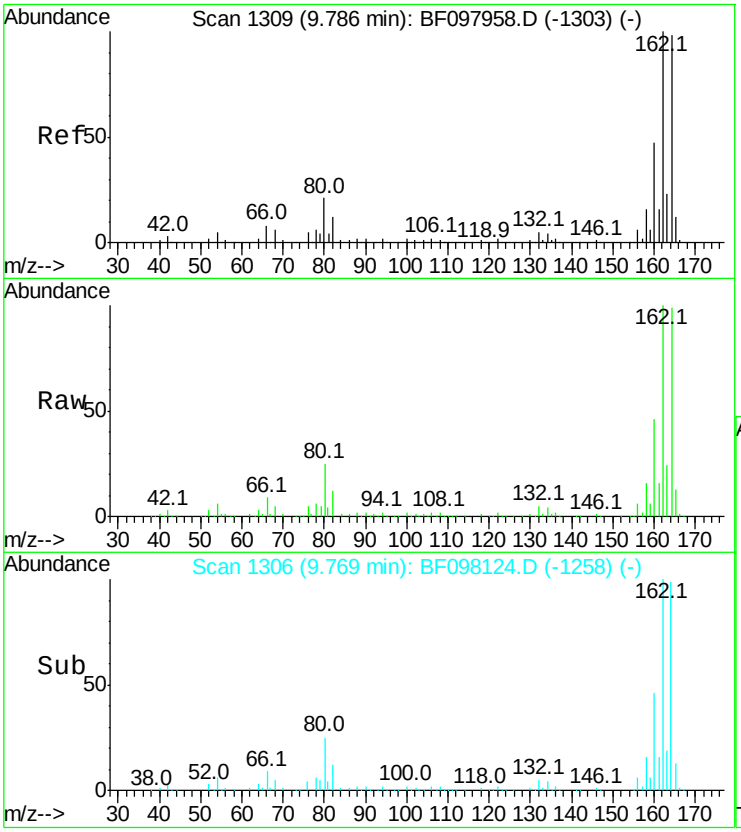


#37
2-Methylnaphthalene
Concen: 3.103 ng
RT: 8.73 min Scan# 1129
Delta R.T. -0.02 min
Lab File: BF098124.D
Acq: 29 Aug 2017 21:29

Tgt Ion:142 Resp: 46198

Ion	Ratio	Lower	Upper
142	100		
141	90.8	71.3	106.9
115	38.2	27.1	40.7



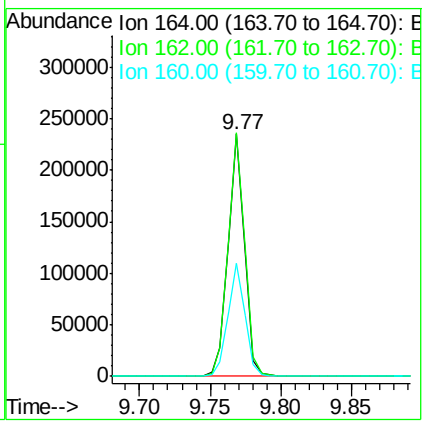


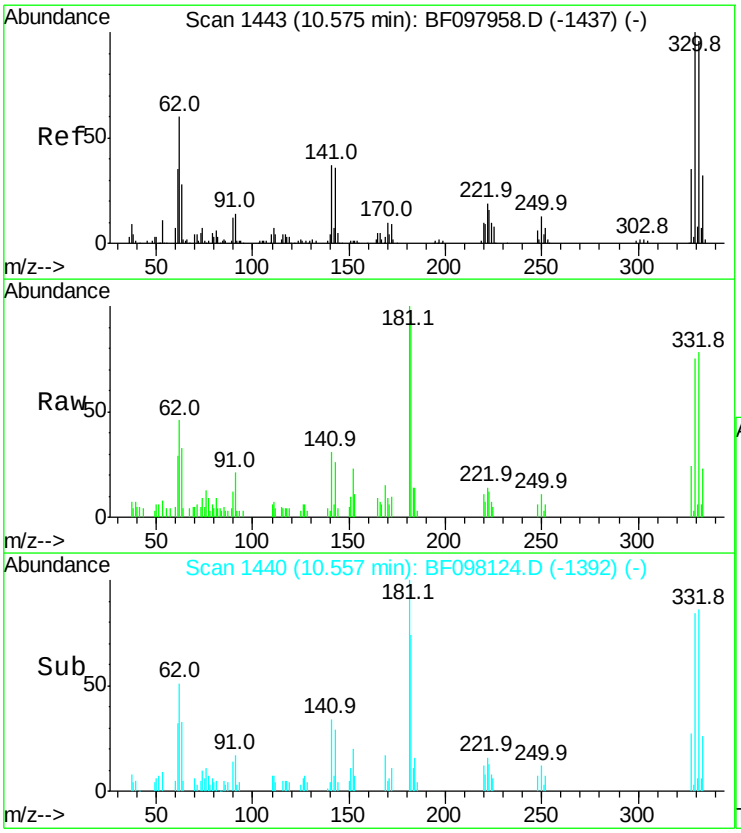
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1306
Delta R.T. -0.02 min
Lab File: BF098124.D
Acq: 29 Aug 2017 21:29

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 190271

Ion	Ratio	Lower	Upper
164	100		
162	100.6	82.6	123.8
160	46.7	36.2	54.2

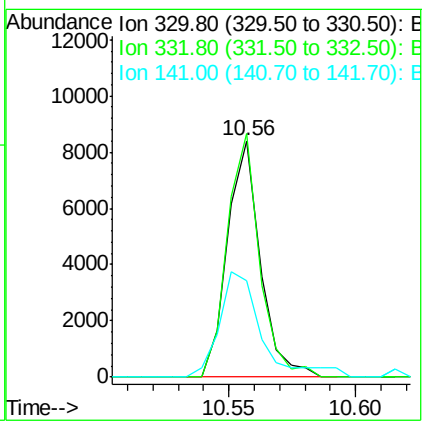


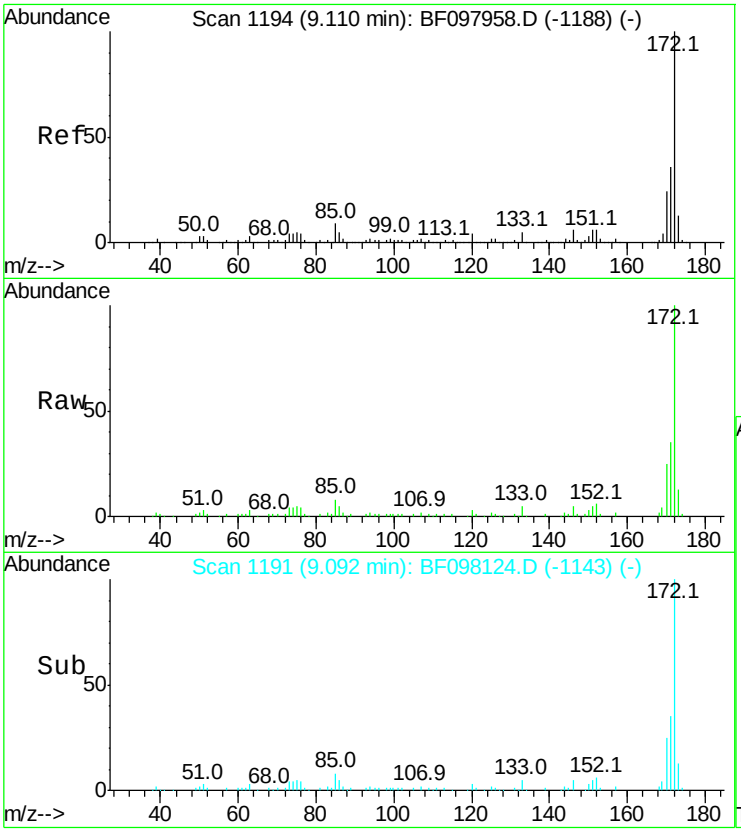


#41
2,4,6-Tribromophenol
Concen: 4.599 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.02 min
Lab File: BF098124.D
Acq: 29 Aug 2017 21:29

Tgt Ion:330 Resp: 7593

Ion	Ratio	Lower	Upper
330	100		
332	100.9	76.6	115.0
141	57.1	31.4	47.2#



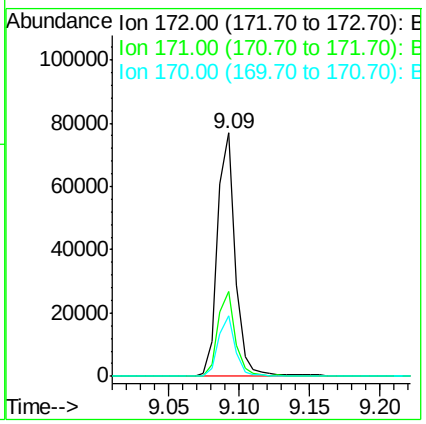


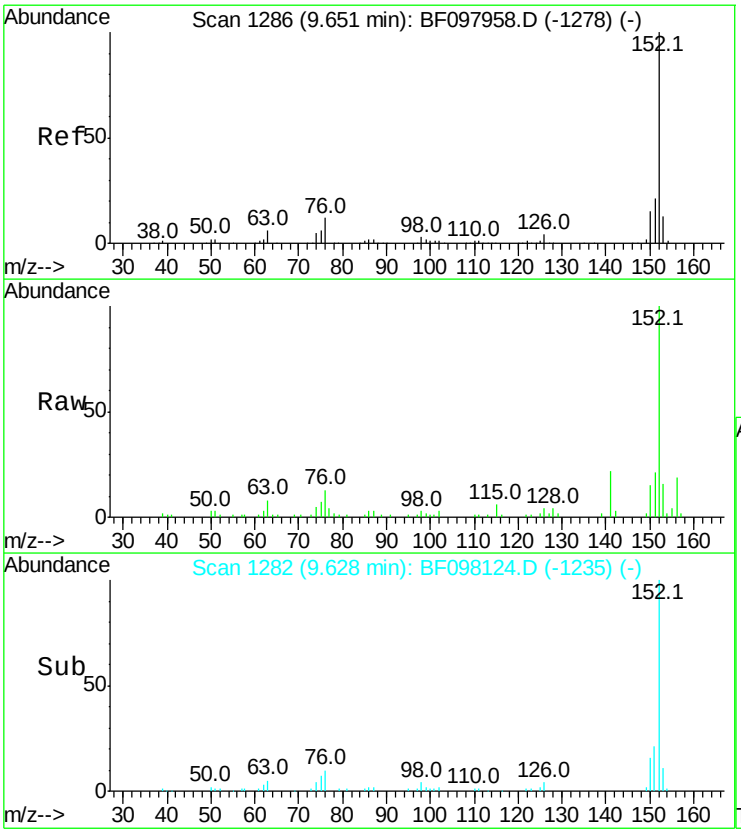
#44
2-Fluorobiphenyl
Concen: 5.230 ng
RT: 9.09 min Scan# 1191
Delta R.T. -0.02 min
Lab File: BF098124.D
Acq: 29 Aug 2017 21:29

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 67727

Ion	Ratio	Lower	Upper
172	100		
171	35.1	29.6	44.4
170	24.9	19.8	29.8

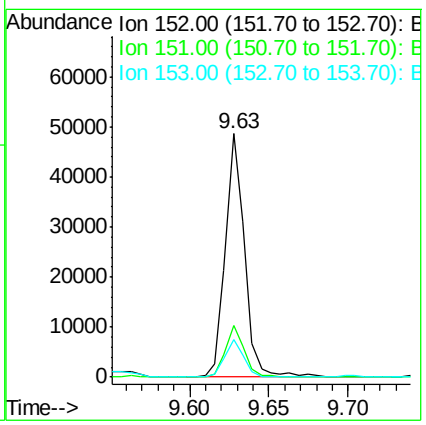


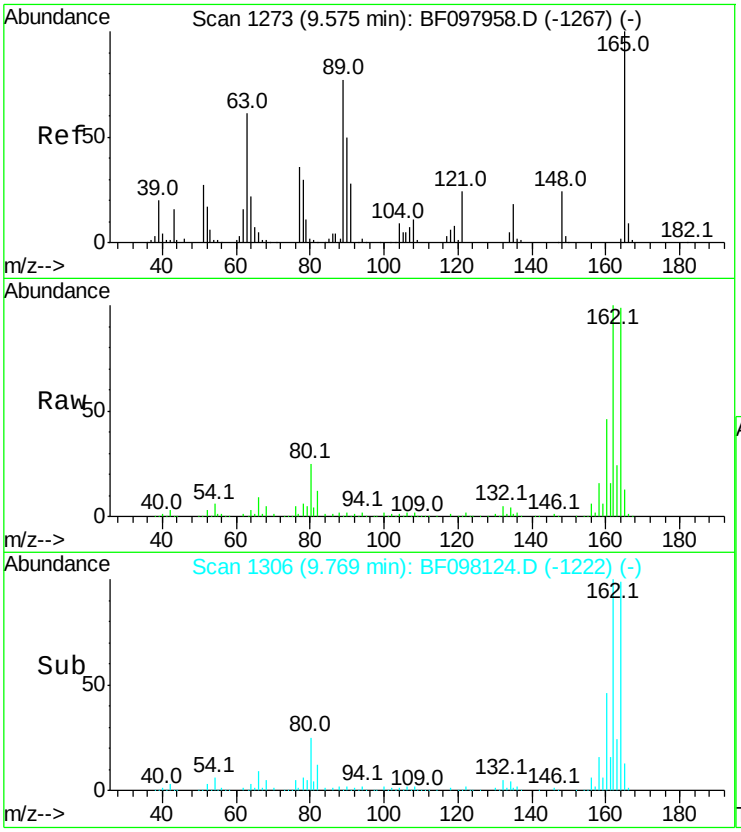


#48
Acenaphthylene
Concen: 2.038 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.02 min
Lab File: BF098124.D
Acq: 29 Aug 2017 21:29

Tgt Ion:152 Resp: 41036

Ion	Ratio	Lower	Upper
152	100		
151	21.0	16.8	25.2
153	15.5	10.8	16.2



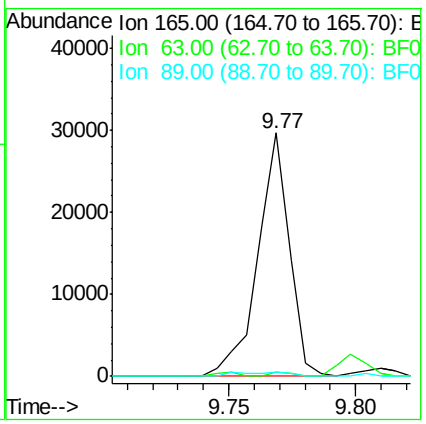


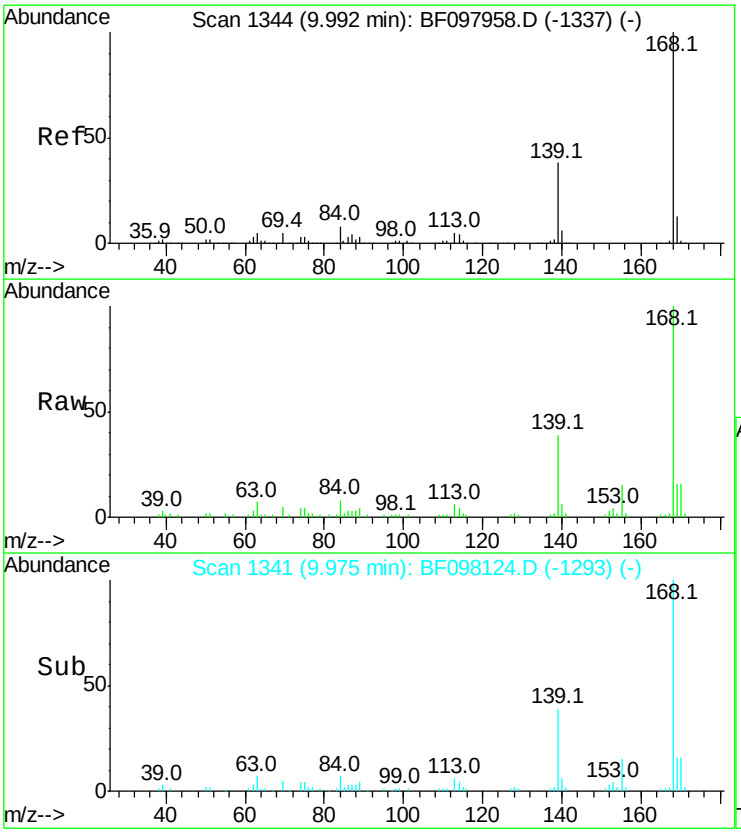
#50
2,6-Dinitrotoluene
Concen: 9.362 ng
RT: 9.77 min Scan# 1306
Delta R.T. 0.19 min
Lab File: BF098124.D
Acq: 29 Aug 2017 21:29

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 25990

Ion	Ratio	Lower	Upper
165	100		
63	1.6	34.3	51.5#
89	1.7	37.1	55.7#

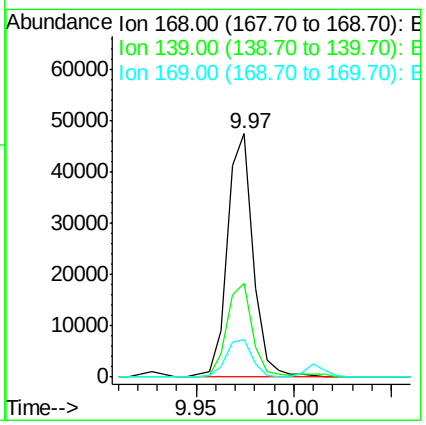


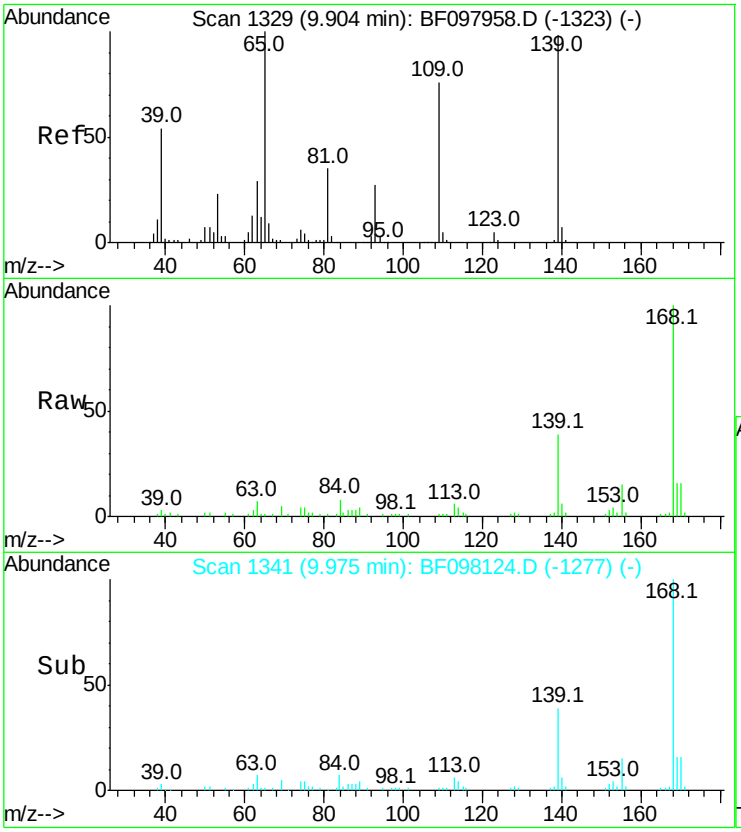


#54
Dibenzofuran
Concen: 2.548 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BF098124.D
Acq: 29 Aug 2017 21:29

Tgt Ion:168 Resp: 43366

Ion	Ratio	Lower	Upper
168	100		
139	38.6	30.6	45.8
169	15.6	10.8	16.2



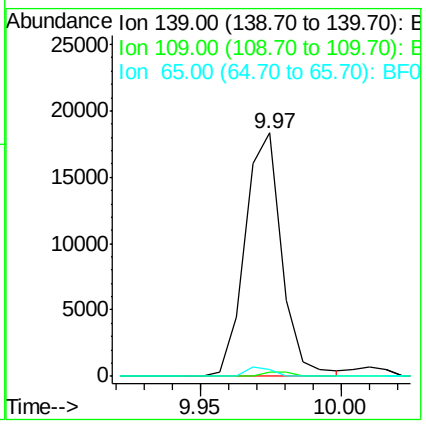


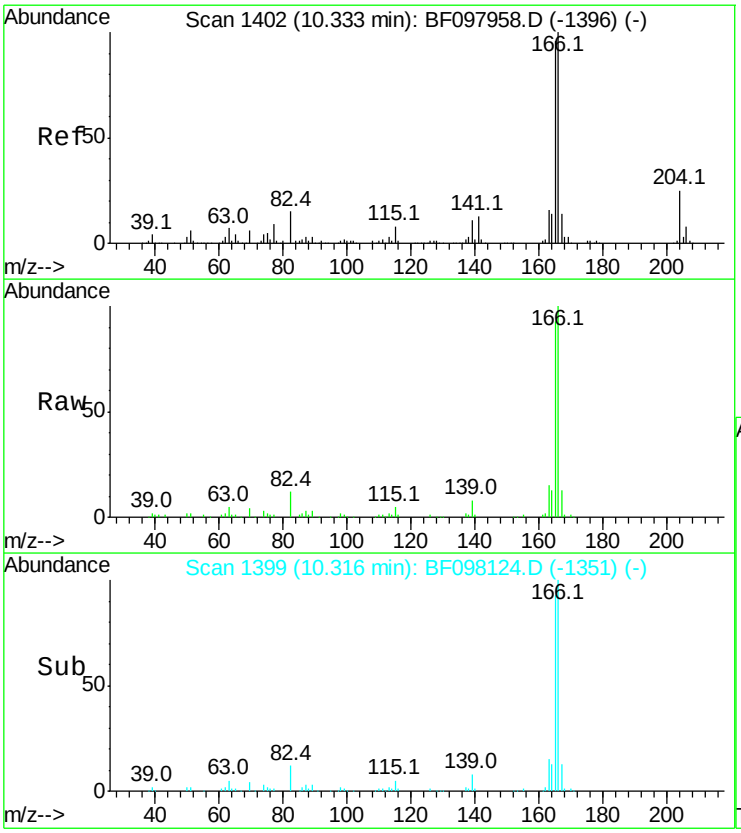
#55
4-Nitrophenol
Concen: 5.805 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.08 min
Lab File: BF098124.D
Acq: 29 Aug 2017 21:29

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:139 Resp: 16587

Ion	Ratio	Lower	Upper
139	100		
109	1.7	34.1	74.1#
65	2.7	31.4	71.4#

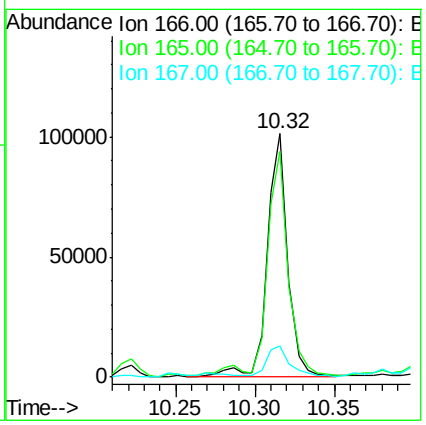


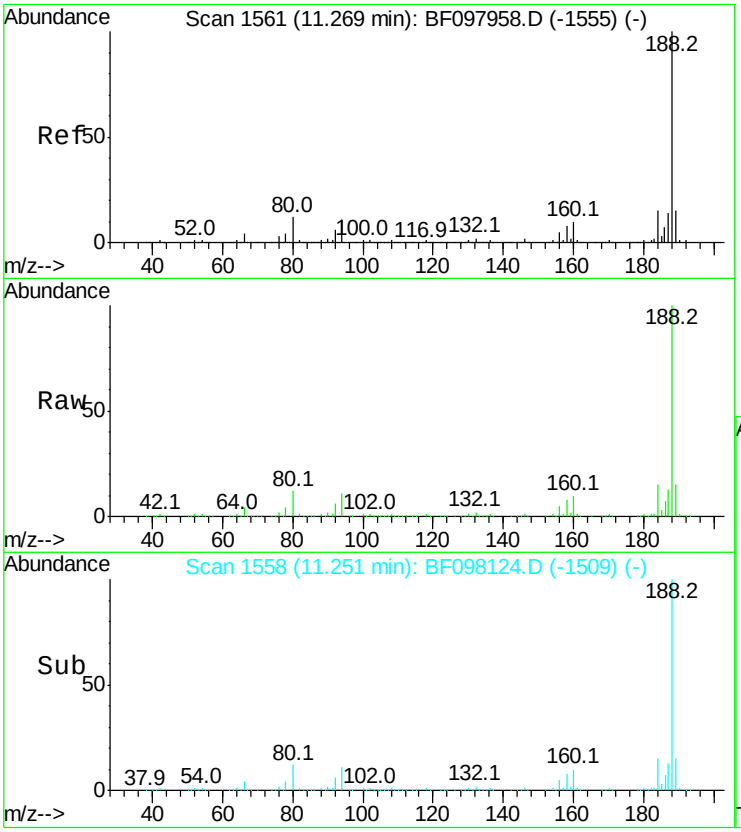


#57
Fluorene
Concen: 6.995 ng
RT: 10.32 min Scan# 1399
Delta R.T. -0.02 min
Lab File: BF098124.D
Acq: 29 Aug 2017 21:29

Tgt Ion:166 Resp: 92031

Ion	Ratio	Lower	Upper
166	100		
165	92.7	78.8	118.2
167	12.9	10.6	16.0



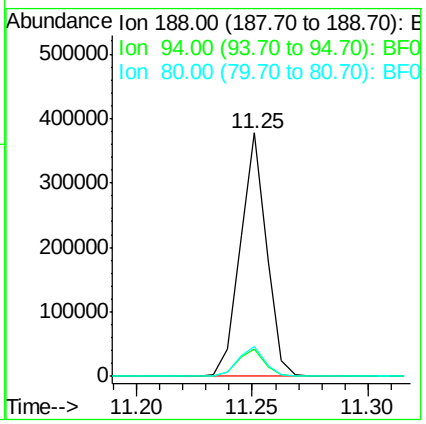


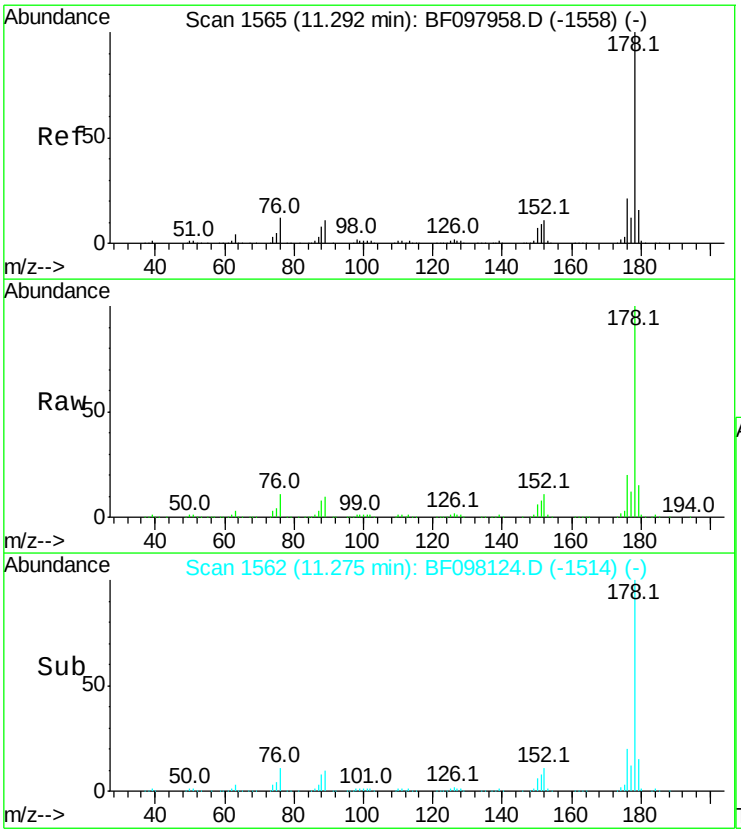
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF098124.D
Acq: 29 Aug 2017 21:29

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:188 Resp: 299390

Ion	Ratio	Lower	Upper
188	100		
94	11.0	9.4	14.2
80	12.1	10.2	15.2

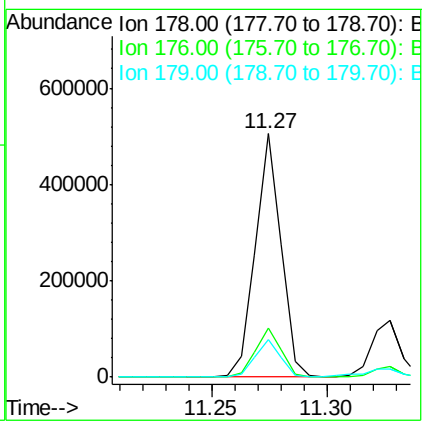


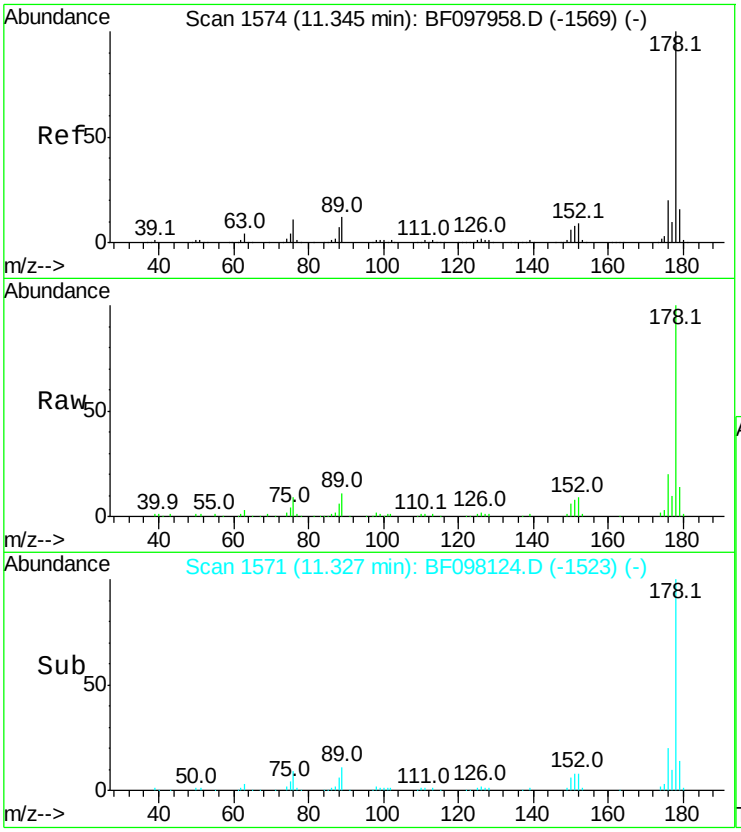


#70
Phenanthrene
Concen: 24.799 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.02 min
Lab File: BF098124.D
Acq: 29 Aug 2017 21:29

Tgt Ion:178 Resp: 395634

Ion	Ratio	Lower	Upper
178	100		
176	19.9	16.2	24.4
179	15.3	12.6	19.0



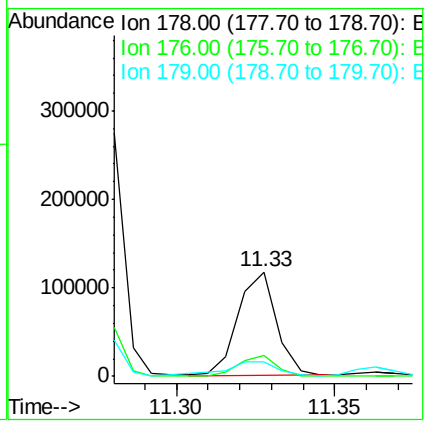


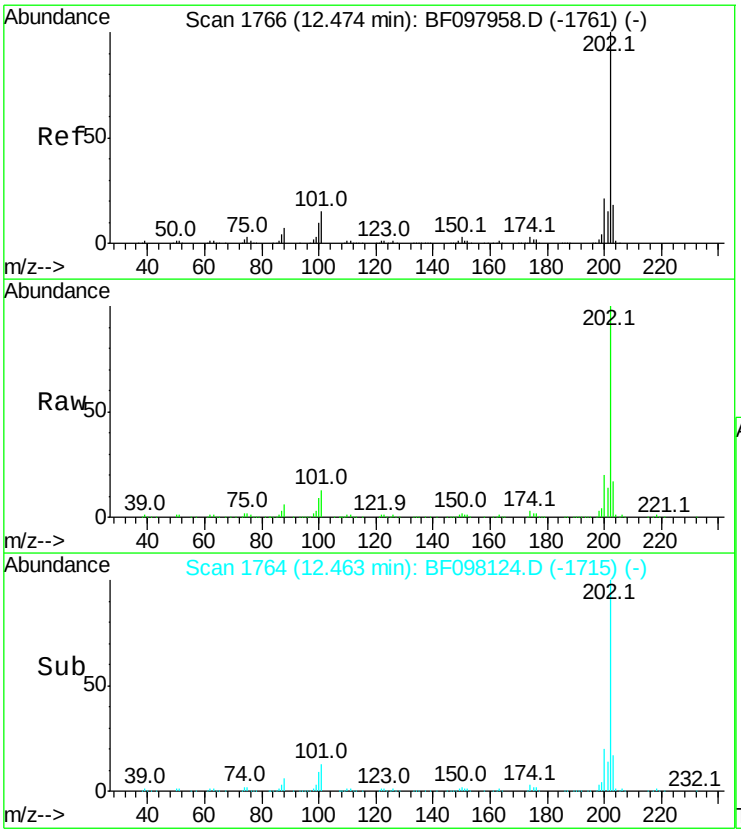
#71
Anthracene
Concen: 6.033 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.02 min
Lab File: BF098124.D
Acq: 29 Aug 2017 21:29

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 97615

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	14.4	12.7	19.1

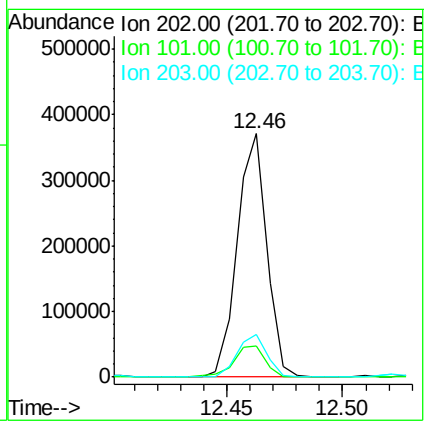


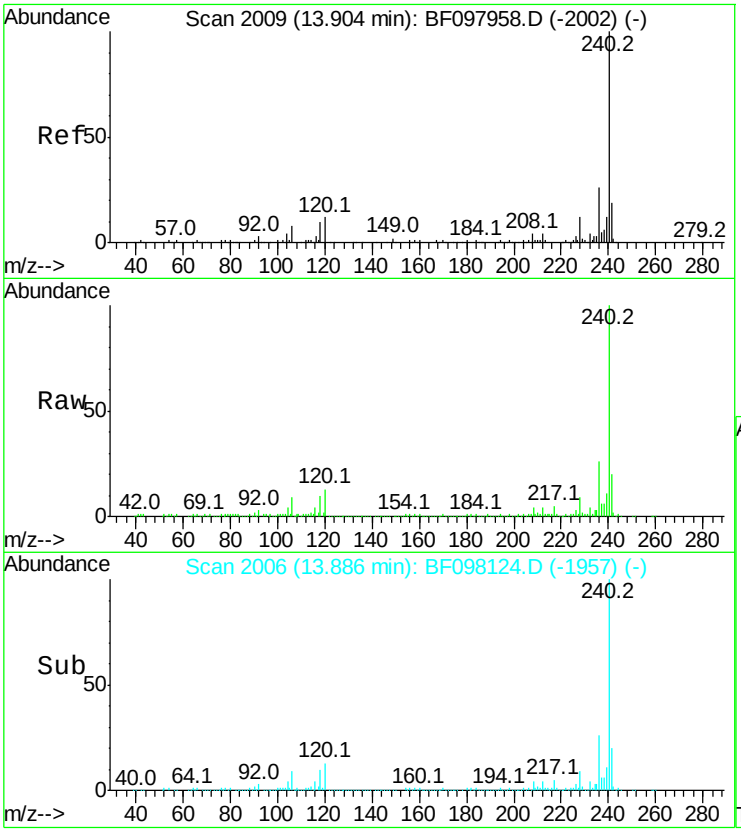


#74
Fluoranthene
Concen: 19.813 ng
RT: 12.46 min Scan# 1764
Delta R.T. -0.01 min
Lab File: BF098124.D
Acq: 29 Aug 2017 21:29

Tgt Ion:202 Resp: 329921

Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	33.2
203	17.4	0.0	38.1



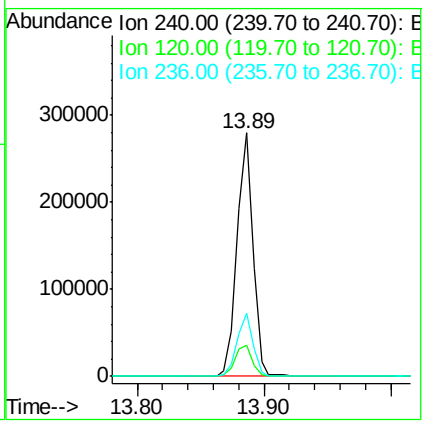


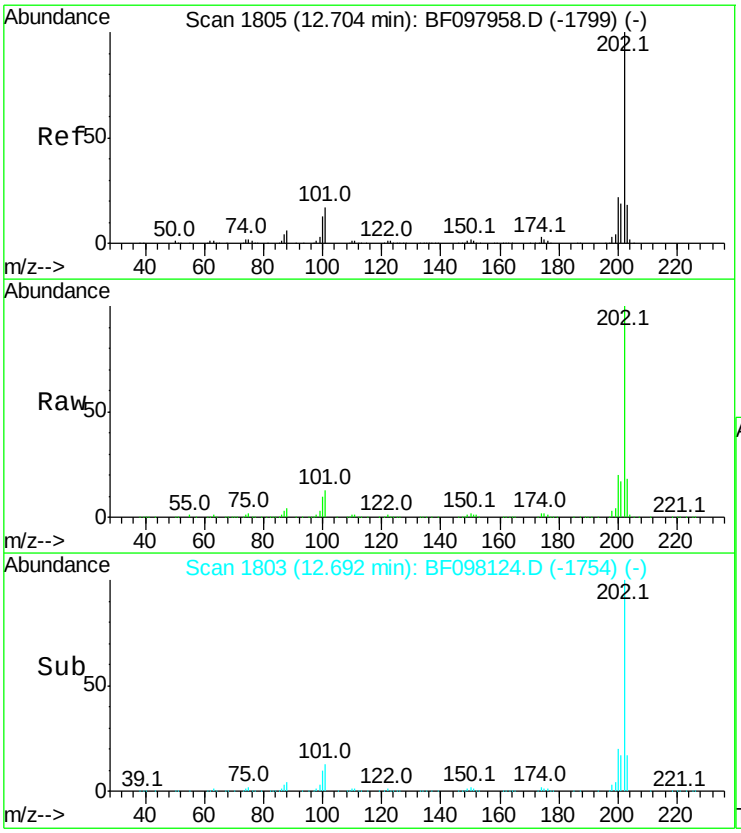
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF098124.D
Acq: 29 Aug 2017 21:29

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 240803

Ion	Ratio	Lower	Upper
240	100		
120	12.7	5.8	8.8#
236	26.1	20.5	30.7

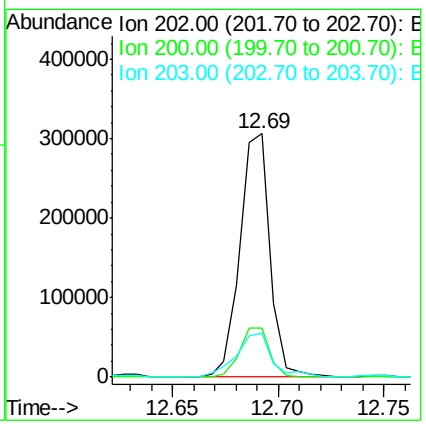


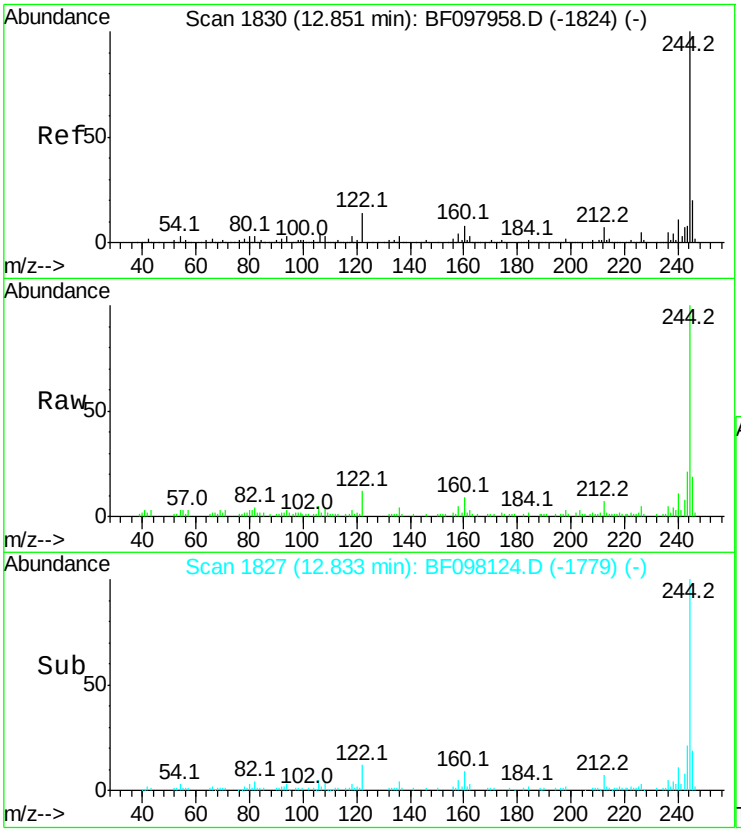


#77
Pyrene
Concen: 15.265 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.01 min
Lab File: BF098124.D
Acq: 29 Aug 2017 21:29

Tgt Ion:202 Resp: 300650

Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.6	26.4
203	17.9	14.4	21.6



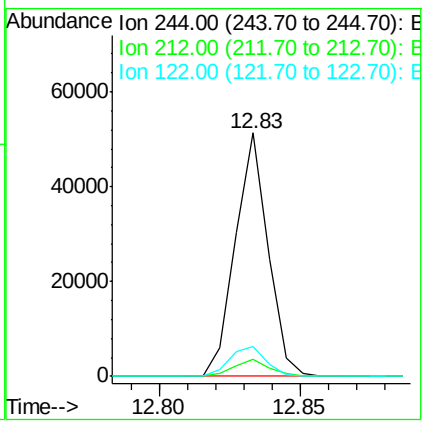


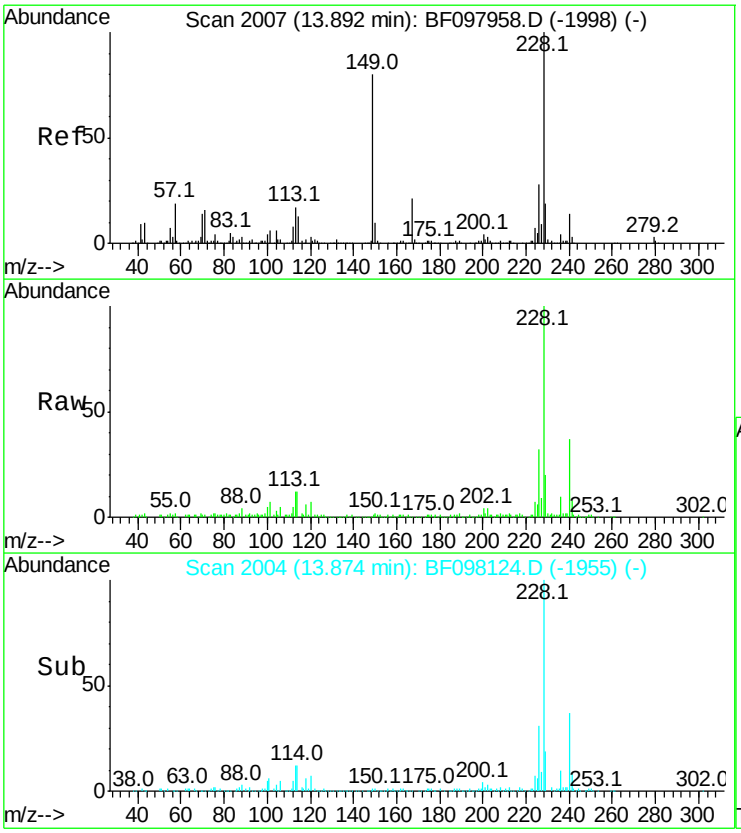
#78
Terphenyl-d14
Concen: 3.561 ng
RT: 12.83 min Scan# 1827
Delta R.T. -0.02 min
Lab File: BF098124.D
Acq: 29 Aug 2017 21:29

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 41123

Ion	Ratio	Lower	Upper
244	100		
212	7.1	6.0	9.0
122	12.1	10.3	15.5

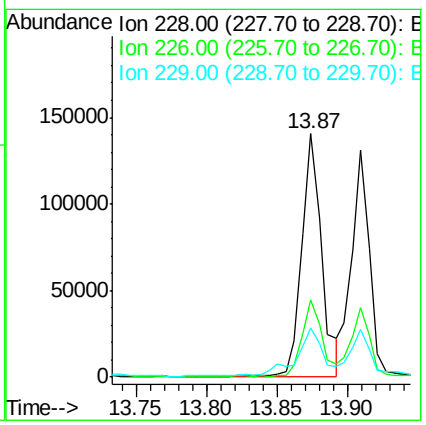


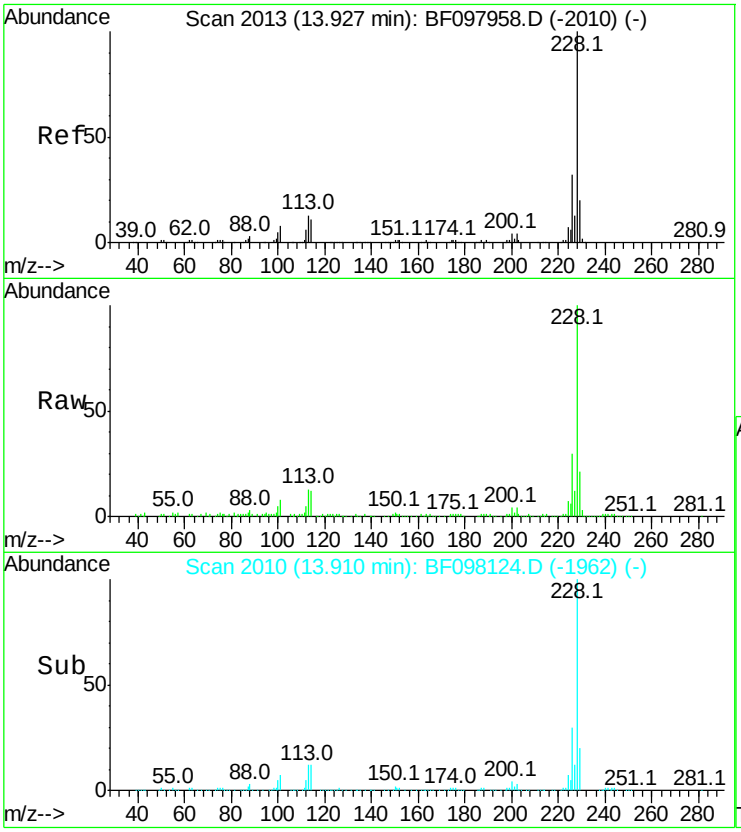


#80
Benzo(a)anthracene
Concen: 9.708 ng
RT: 13.87 min Scan# 2004
Delta R.T. -0.01 min
Lab File: BF098124.D
Acq: 29 Aug 2017 21:29

Tgt Ion:228 Resp: 140110

Ion	Ratio	Lower	Upper
228	100		
226	31.9	22.6	33.8
229	20.0	16.3	24.5



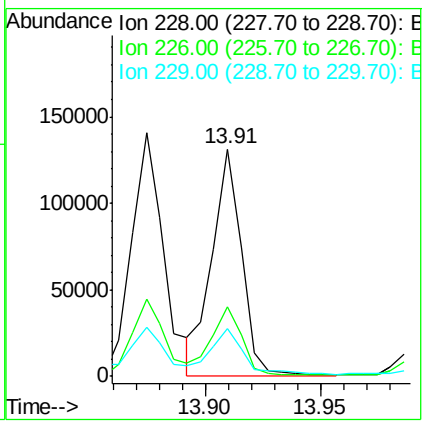


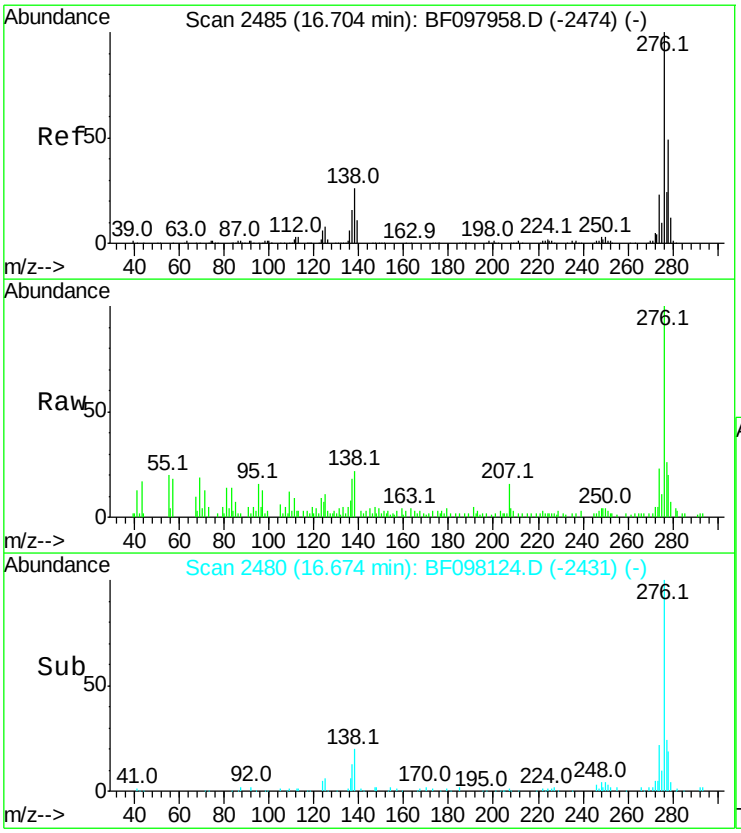
#82
Chrysene
Concen: 8.137 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.02 min
Lab File: BF098124.D
Acq: 29 Aug 2017 21:29

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 116826

Ion	Ratio	Lower	Upper
228	100		
226	30.4	24.9	37.3
229	20.9	15.8	23.6

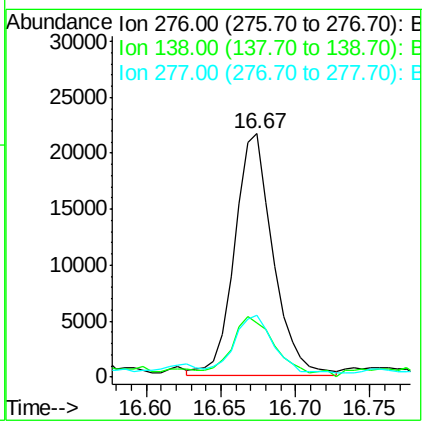


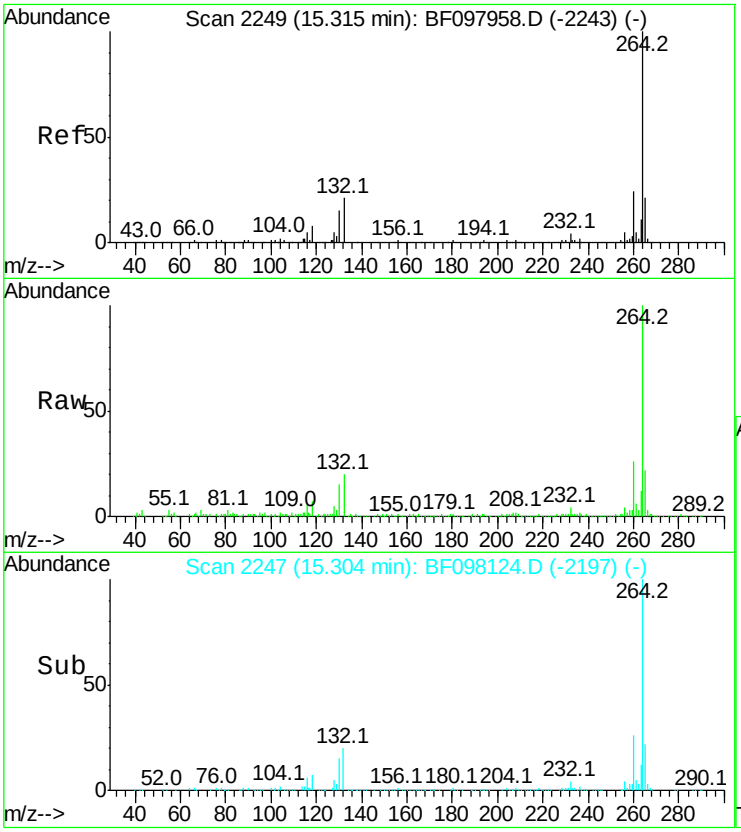


#85
Indeno(1,2,3-cd)pyrene
Concen: 3.666 ng
RT: 16.67 min Scan# 2480
Delta R.T. -0.01 min
Lab File: BF098124.D
Acq: 29 Aug 2017 21:29

Tgt Ion:276 Resp: 38722

Ion	Ratio	Lower	Upper
276	100		
138	28.8	27.8	41.6
277	24.6	20.2	30.4



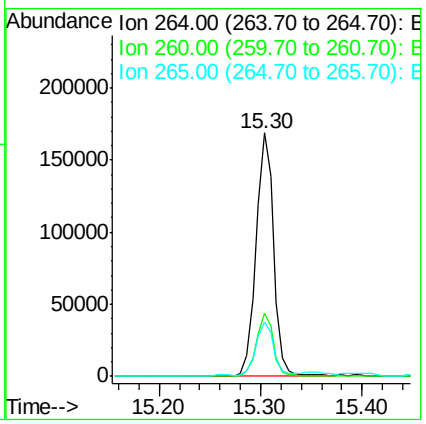


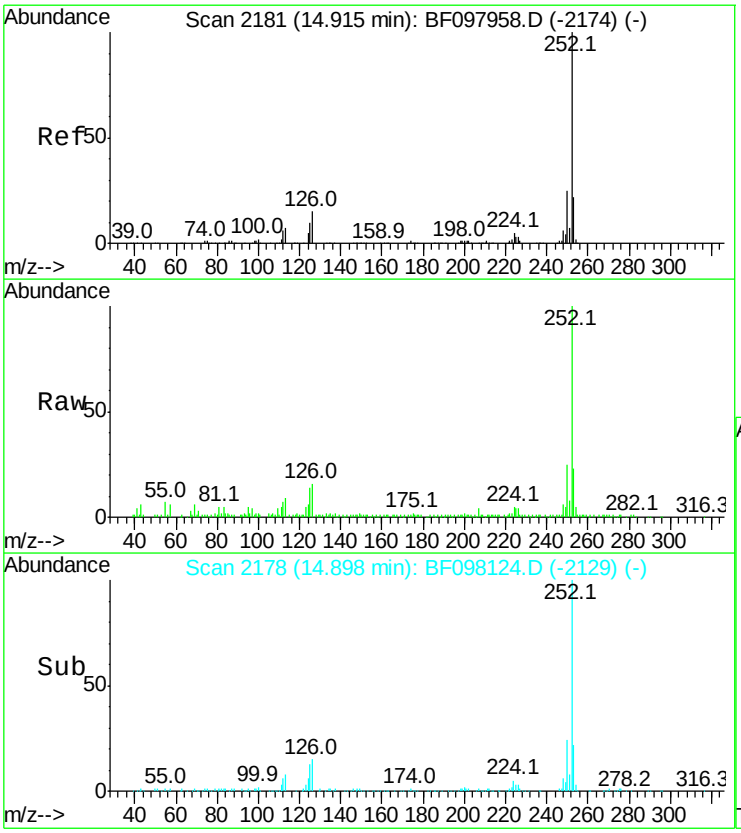
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2247
Delta R.T. -0.01 min
Lab File: BF098124.D
Acq: 29 Aug 2017 21:29

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 203660

Ion	Ratio	Lower	Upper
264	100		
260	25.9	19.5	29.3
265	22.2	17.2	25.8

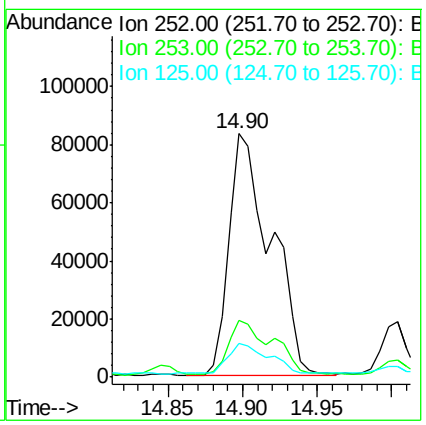


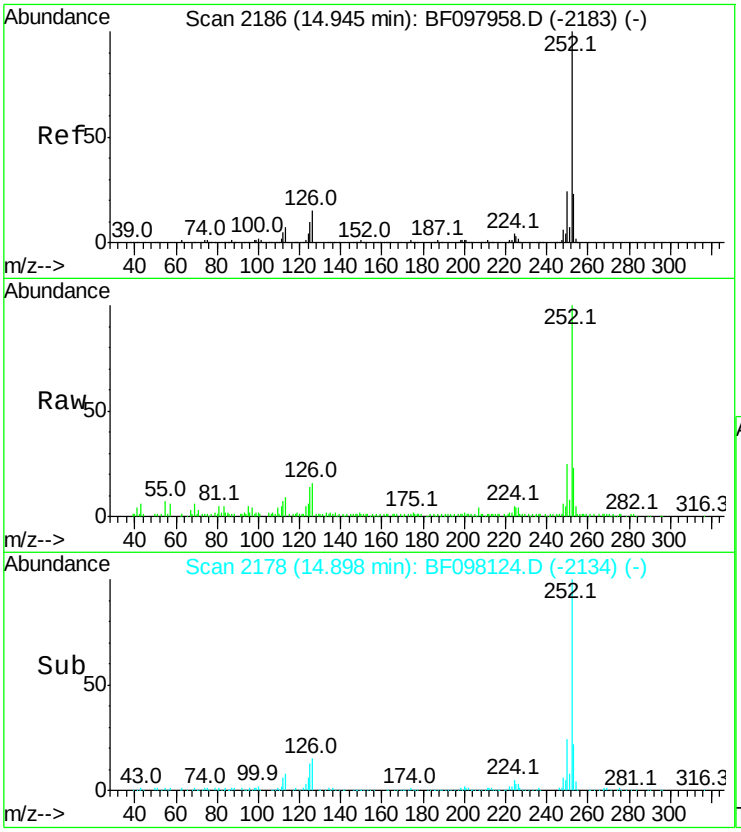


#87
Benzo(b)fluoranthene
Concen: 12.799 ng
RT: 14.90 min Scan# 2178
Delta R.T. -0.01 min
Lab File: BF098124.D
Acq: 29 Aug 2017 21:29

Tgt Ion:252 Resp: 164302

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.1	27.1
125	13.8	9.8	14.8



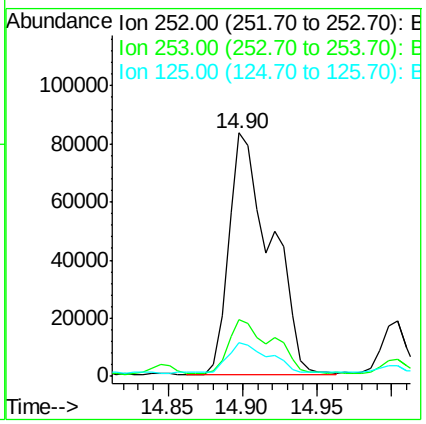


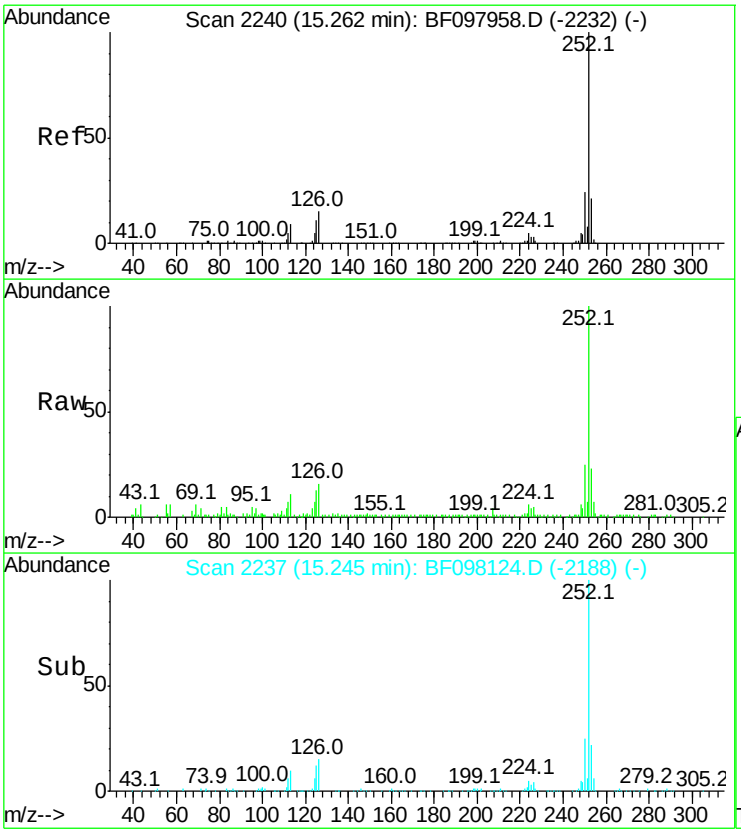
#88
Benzo(k)fluoranthene
Concen: 13.623 ng
RT: 14.90 min Scan# 2178
Delta R.T. -0.04 min
Lab File: BF098124.D
Acq: 29 Aug 2017 21:29

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 164302

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.4	27.6
125	13.8	13.1	19.7

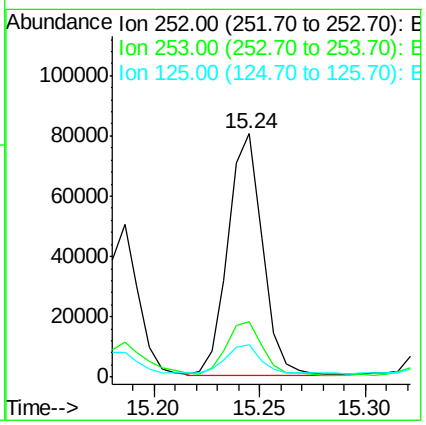


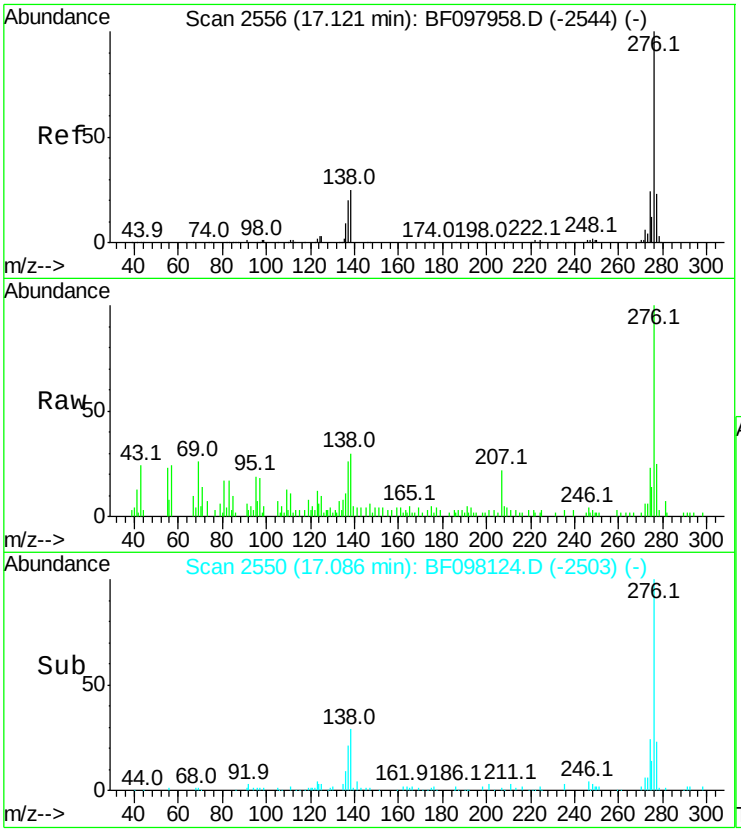


#89
Benzo(a)pyrene
Concen: 7.985 ng
RT: 15.24 min Scan# 2237
Delta R.T. -0.01 min
Lab File: BF098124.D
Acq: 29 Aug 2017 21:29

Tgt Ion:252 Resp: 90750

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.5	26.3
125	13.1	11.0	16.4





#91
Benzo(g,h,i)perylene
Concen: 3.687 ng
RT: 17.09 min Scan# 2550
Delta R.T. -0.02 min
Lab File: BF098124.D
Acq: 29 Aug 2017 21:29

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 35594

Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.6	28.0
138	30.4	25.4	38.0