Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100317\
Data File : BF099055.D
Acq On : 4 Oct 2017 2:48
Operator : SJ/JU
Sample : I5532-05 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Oct 04 03:45:02 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 23 13:50:58 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	113845	20.00	ng		-0.05
21) Naphthalene-d8	8.16	136	420746	20.00	ng		-0.05
38) Acenaphthene-d10	9.91	164	150891	20.00	ng		-0.05
63) Phenanthrene-d10	11.40	188	245166	20.00	ng		-0.05
75) Chrysene-d12	14.03	240	252141	20.00	ng		-0.05
86) Perylene-d12	15.52	264	241197	20.00	ng		-0.06
System Monitoring Compounds							
5) 2-Fluorophenol	5.48	112	141407	19.77	ng		-0.06
7) Phenol-d6	6.49	99	167097	18.94	ng		-0.05
23) Nitrobenzene-d5	7.43	82	97131	14.80	ng		-0.06
41) 2,4,6-Tribromophenol	10.70	330	9112	7.38	ng		-0.05
44) 2-Fluorobiphenyl	9.23	172	163305	18.07	ng		-0.05
78) Terphenyl-d14	12.97	244	128449	11.59	ng		-0.06
Target Compounds							Qvalue
25) Isophorone	7.43	82	94602	6.97	ng	#	64
49) Dimethylphthalate	9.62	163	27540	2.42	ng		99
50) 2,6-Dinitrotoluene	9.91	165	19752	7.97	ng	#	26
55) 4-Nitrophenol	10.11	139	5100	2.09	ng	#	9
56) 2,4-Dinitrotoluene	9.91	165	19752	6.14	ng	#	24
70) Phenanthrene	11.42	178	68626	5.23	ng		98
71) Anthracene	11.47	178	30030	2.24	ng		99
74) Fluoranthene	12.61	202	149447	11.25	ng		97
77) Pyrene	12.84	202	154563	8.04	ng		98
80) Benzo(a)anthracene	14.02	228	99386	6.51	ng		96
82) Chrysene	14.06	228	93220	6.41	ng		96
85) Indeno(1,2,3-cd)pyrene	16.99	276	48688	4.19	ng		97
87) Benzo(b)fluoranthene	15.08	252	210443	14.19	ng	#	97
88) Benzo(k)fluoranthene	15.08	252	210443	14.37	ng		97
89) Benzo(a)pyrene	15.44	252	76976	5.65	ng	#	95
91) Benzo(g,h,i)perylene	17.44	276	39593	3.68	ng		92

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

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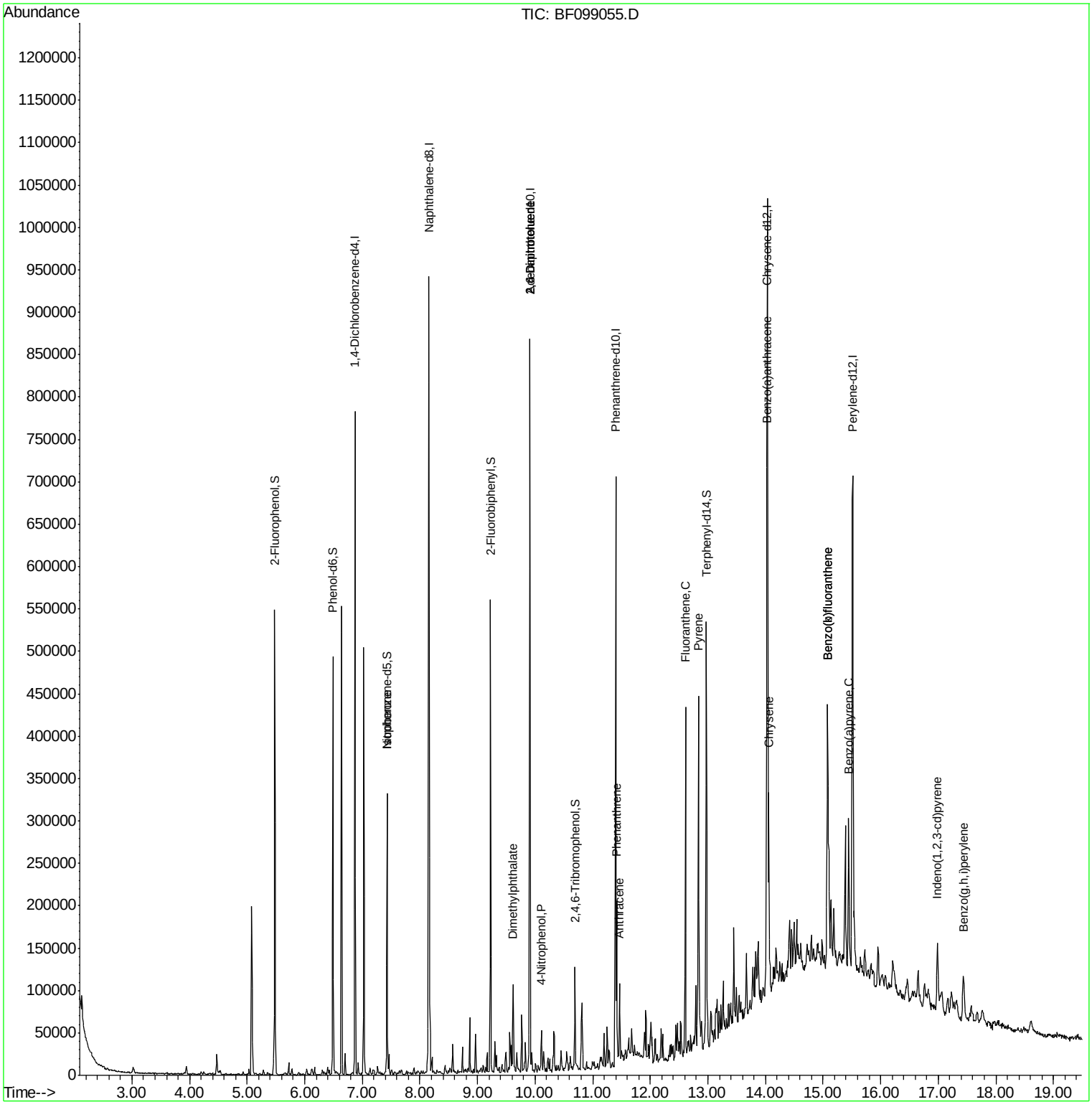
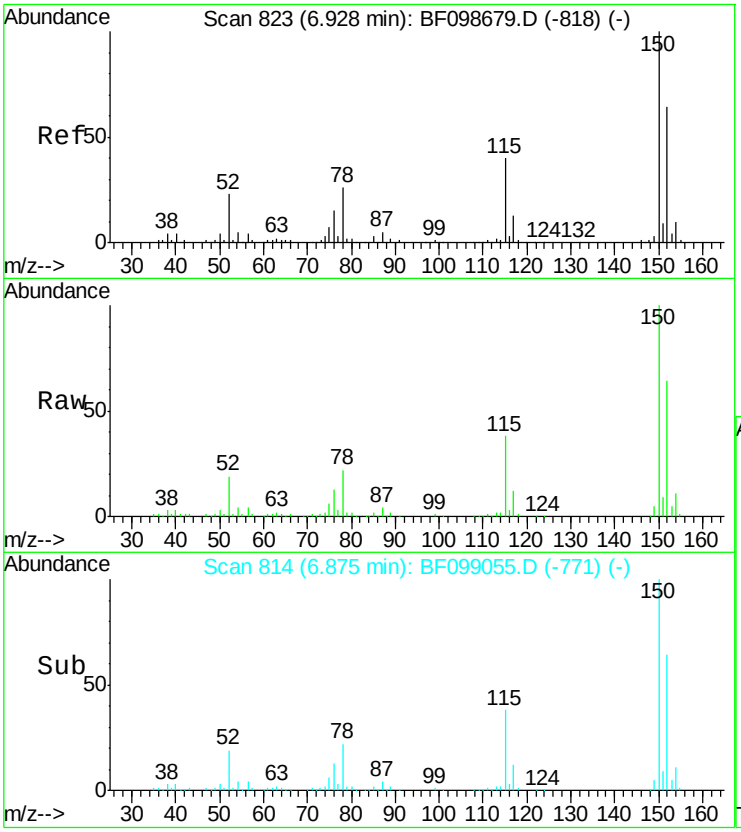


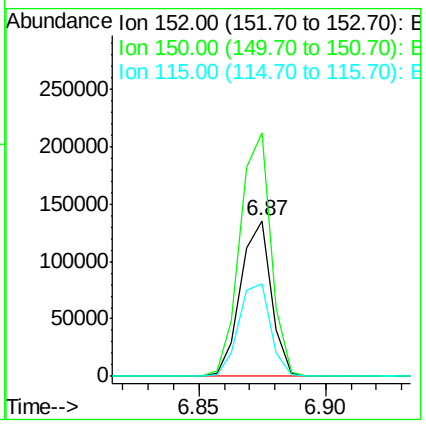


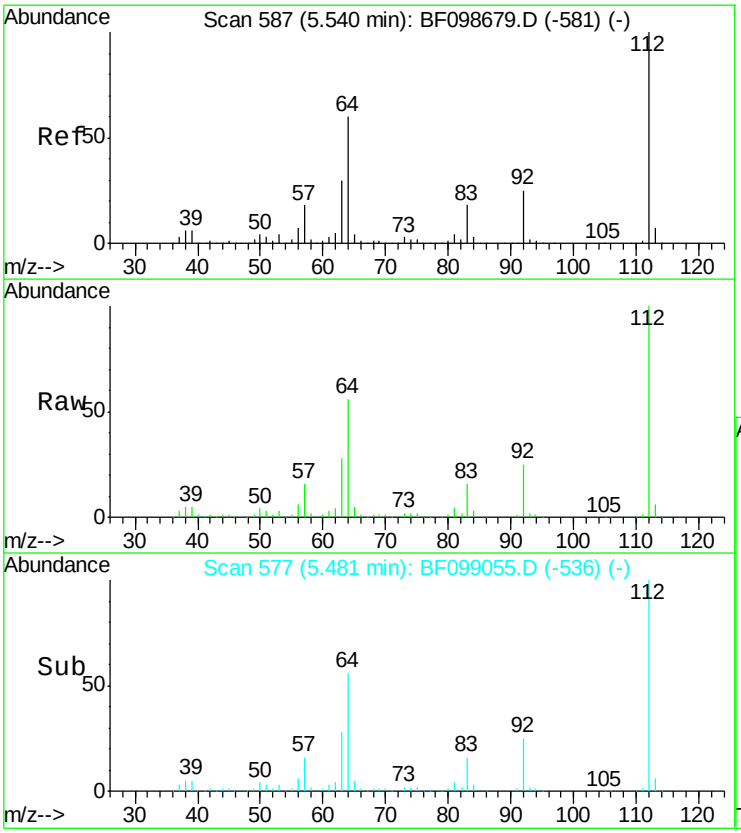
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.05 min
Lab File: BF099055.D
Acq: 4 Oct 2017 2:48

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 113845

Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.6	186.8
115	59.9	50.1	75.1

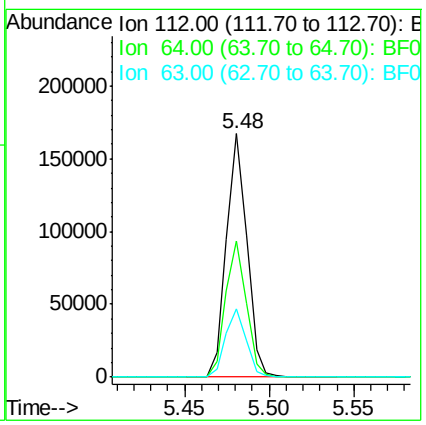


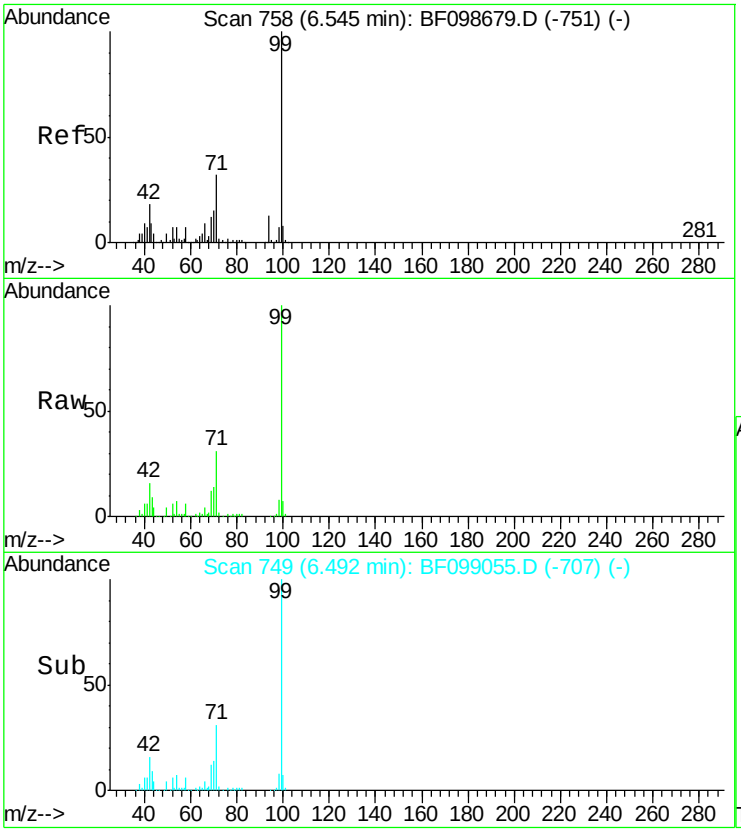


#5
2-Fluorophenol
Concen: 19.77 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.06 min
Lab File: BF099055.D
Acq: 4 Oct 2017 2:48

Tgt Ion:112 Resp: 141407

Ion	Ratio	Lower	Upper
112	100		
64	55.9	47.9	71.9
63	27.9	23.7	35.5



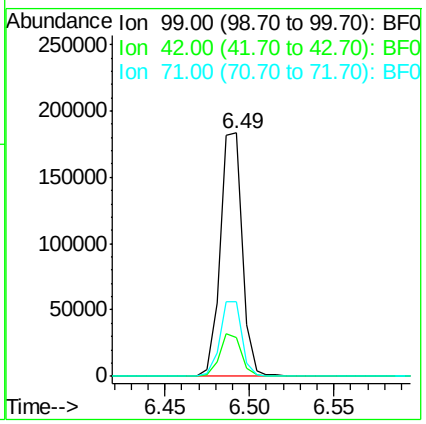


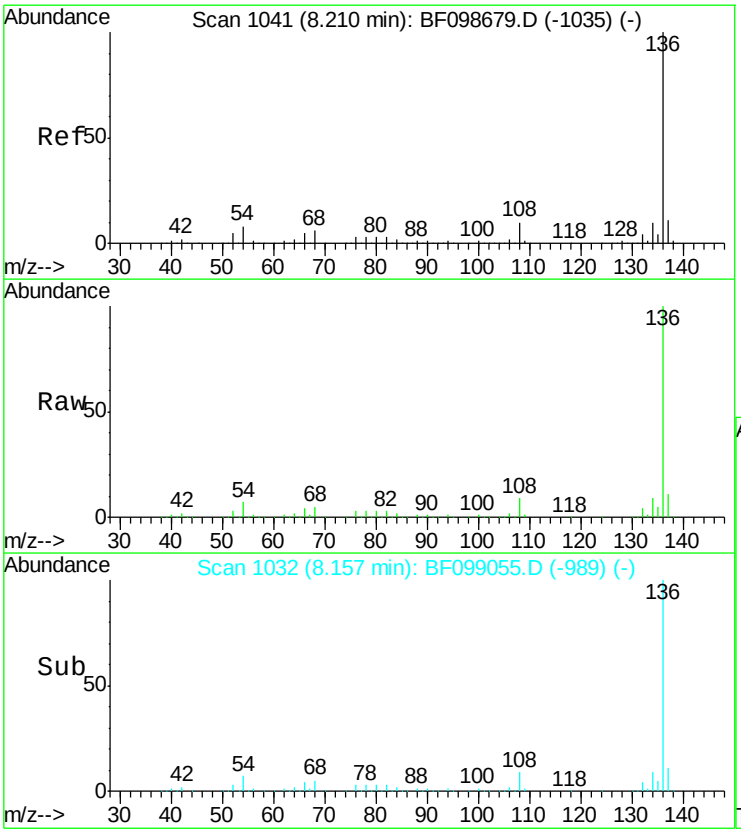
#7
Phenol-d6
Concen: 18.94 ng
RT: 6.49 min Scan# 749
Delta R.T. -0.05 min
Lab File: BF099055.D
Acq: 4 Oct 2017 2:48

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 167097

Ion	Ratio	Lower	Upper
99	100		
42	16.0	14.5	21.7
71	30.6	25.4	38.0

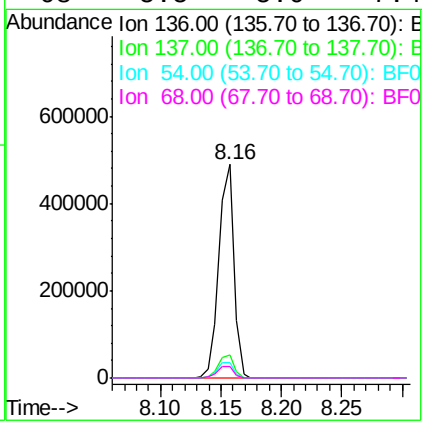


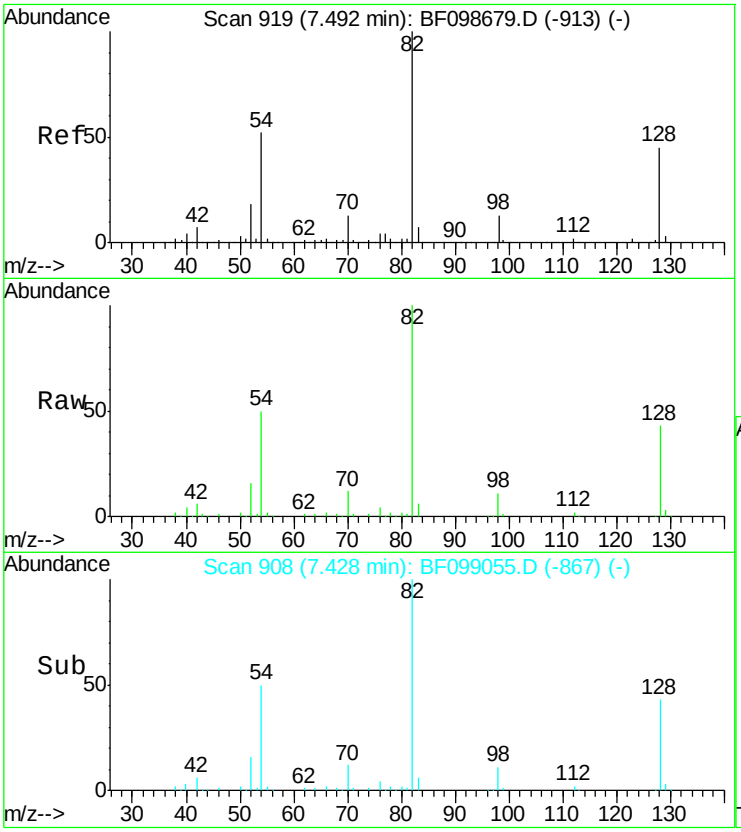


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.05 min
Lab File: BF099055.D
Acq: 4 Oct 2017 2:48

Tgt Ion:136 Resp: 420746

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	7.1	6.6	9.8
68	5.5	5.0	7.4



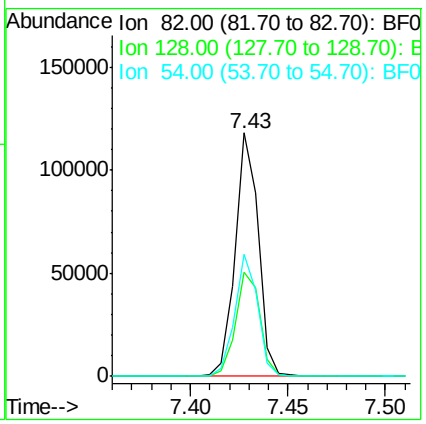


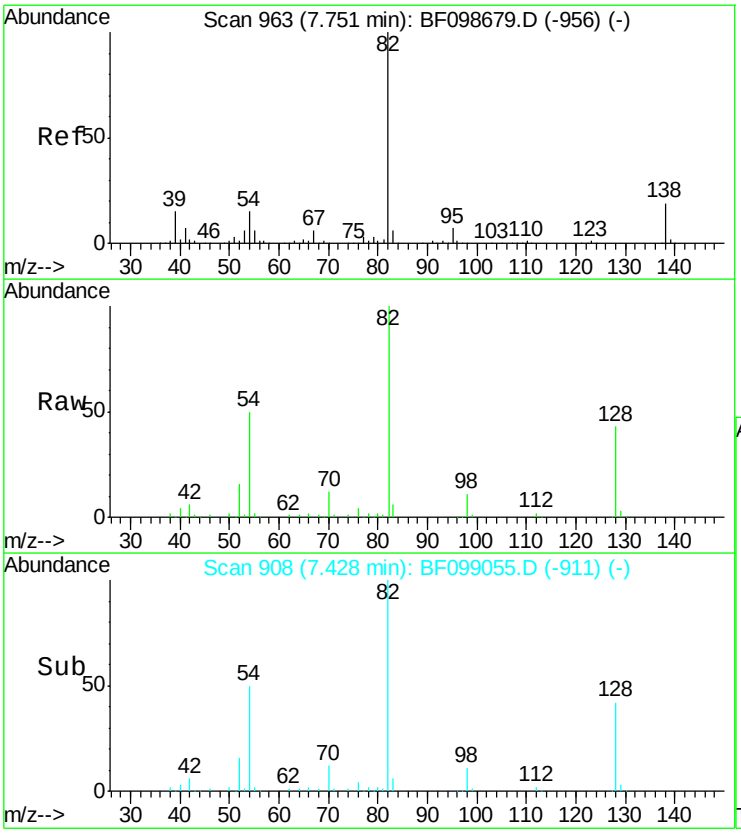
#23
Nitrobenzene-d5
Concen: 14.80 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.06 min
Lab File: BF099055.D
Acq: 4 Oct 2017 2:48

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 97131

Ion	Ratio	Lower	Upper
82	100		
128	42.6	36.1	54.1
54	49.9	41.4	62.2

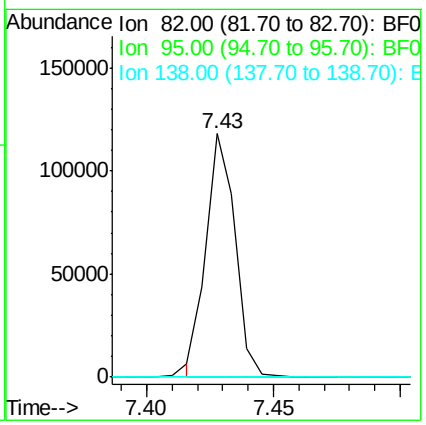


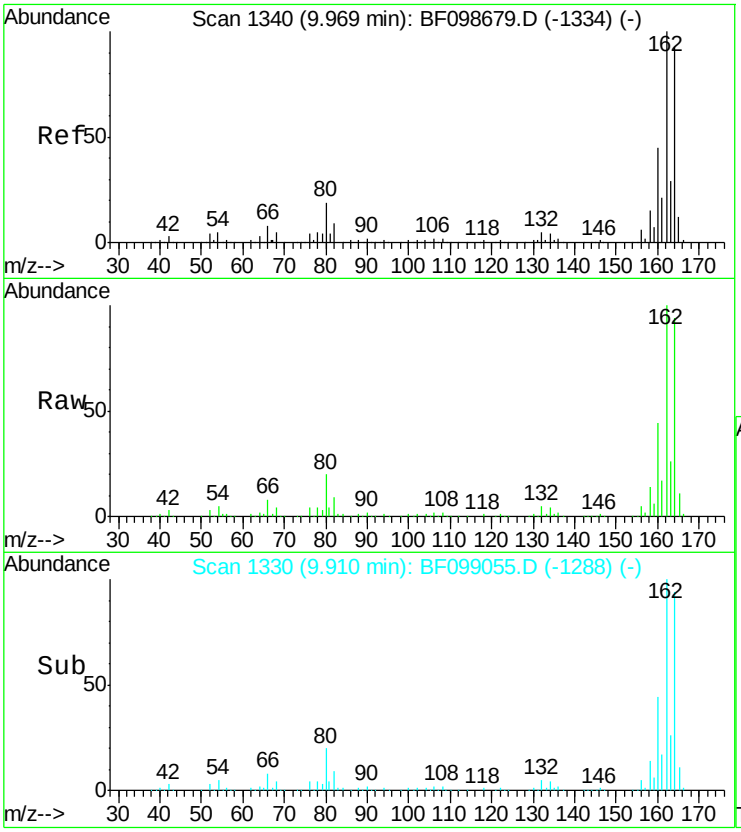


#25
Isophorone
Concen: 6.97 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.32 min
Lab File: BF099055.D
Acq: 4 Oct 2017 2:48

Tgt Ion: 82 Resp: 94602

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



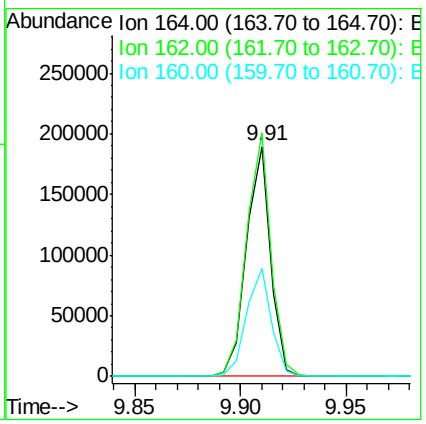


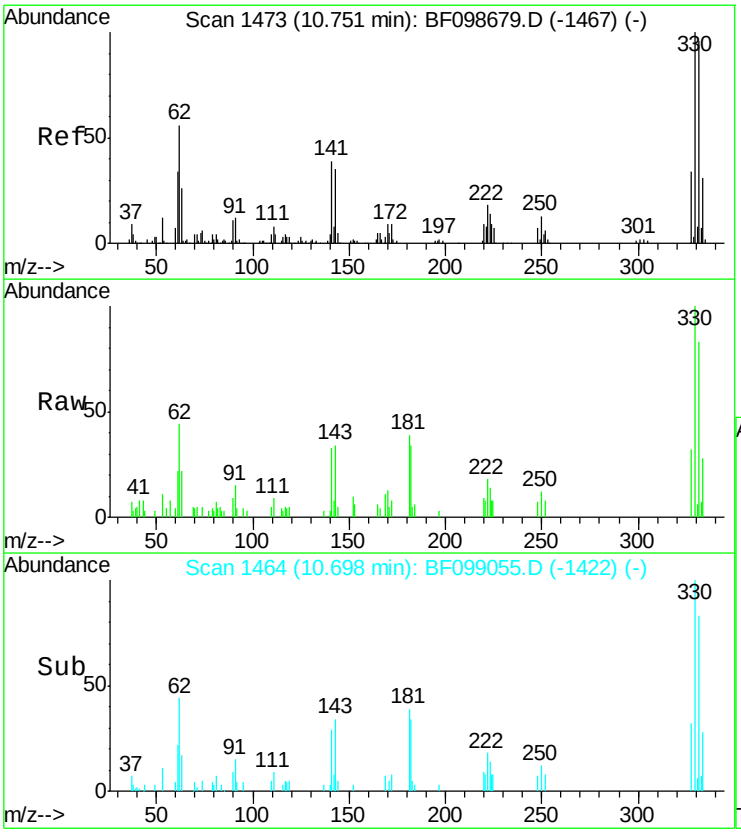
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.05 min
Lab File: BF099055.D
Acq: 4 Oct 2017 2:48

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 150891

Ion	Ratio	Lower	Upper
164	100		
162	105.9	86.1	129.1
160	47.0	38.3	57.5

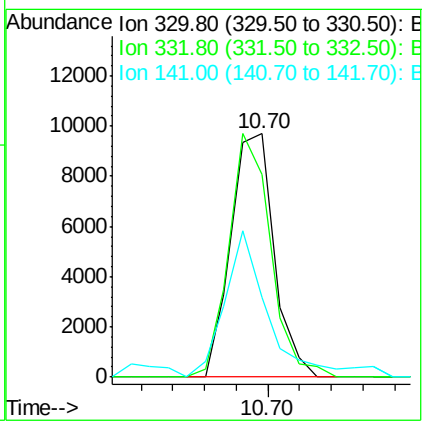


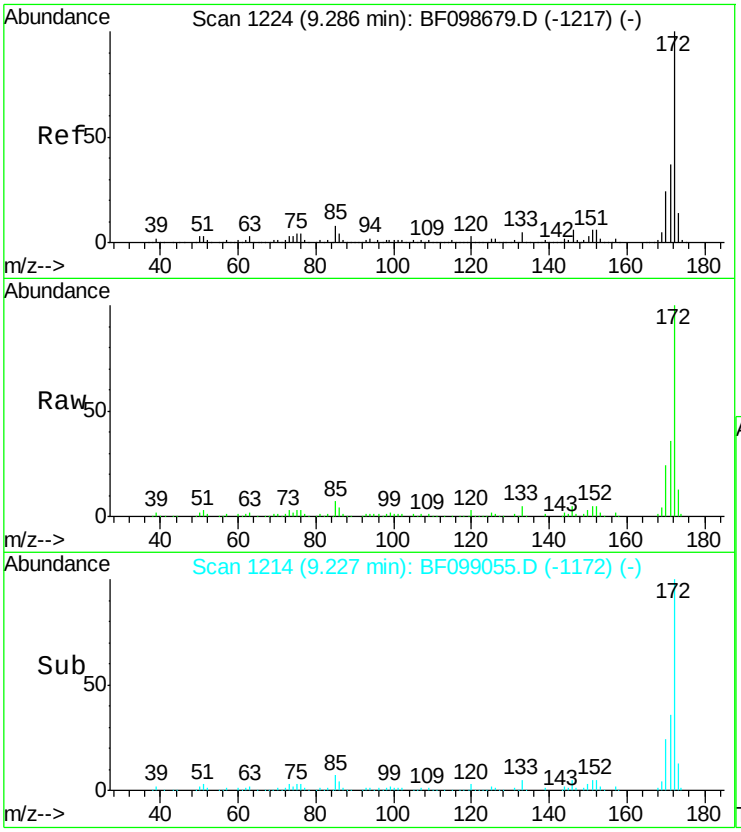


#41
2,4,6-Tribromophenol
Concen: 7.38 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.05 min
Lab File: BF099055.D
Acq: 4 Oct 2017 2:48

Tgt Ion:330 Resp: 9112

Ion	Ratio	Lower	Upper
330	100		
332	96.4	77.0	115.6
141	61.3	29.9	44.9#

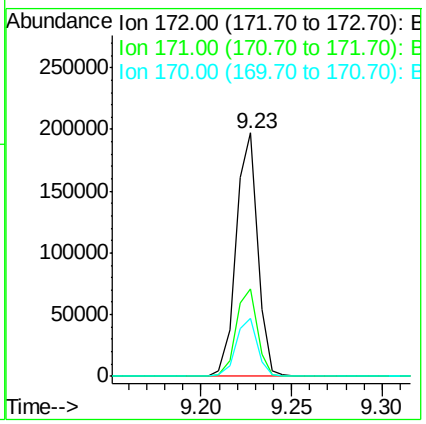




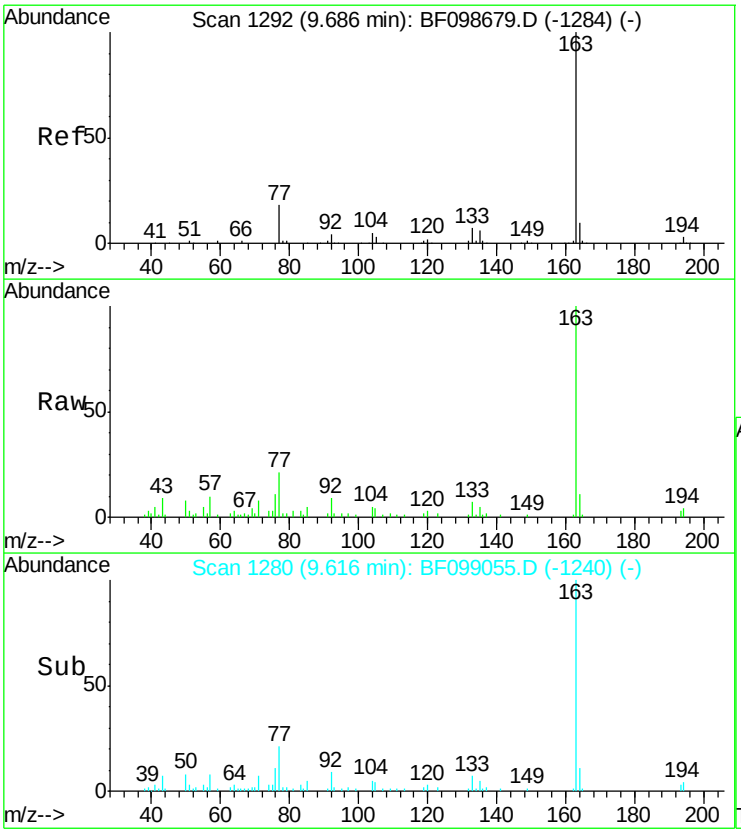
#44
2-Fluorobiphenyl
Concen: 18.07 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.05 min
Lab File: BF099055.D
Acq: 4 Oct 2017 2:48

Tgt Ion:172 Resp: 163305

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	23.7	19.6	29.4



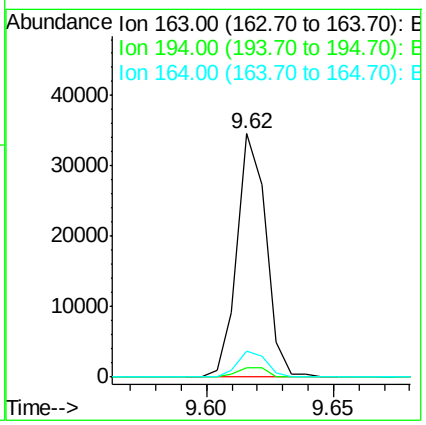
Instrument :
BNA_F
ClientSampleId :

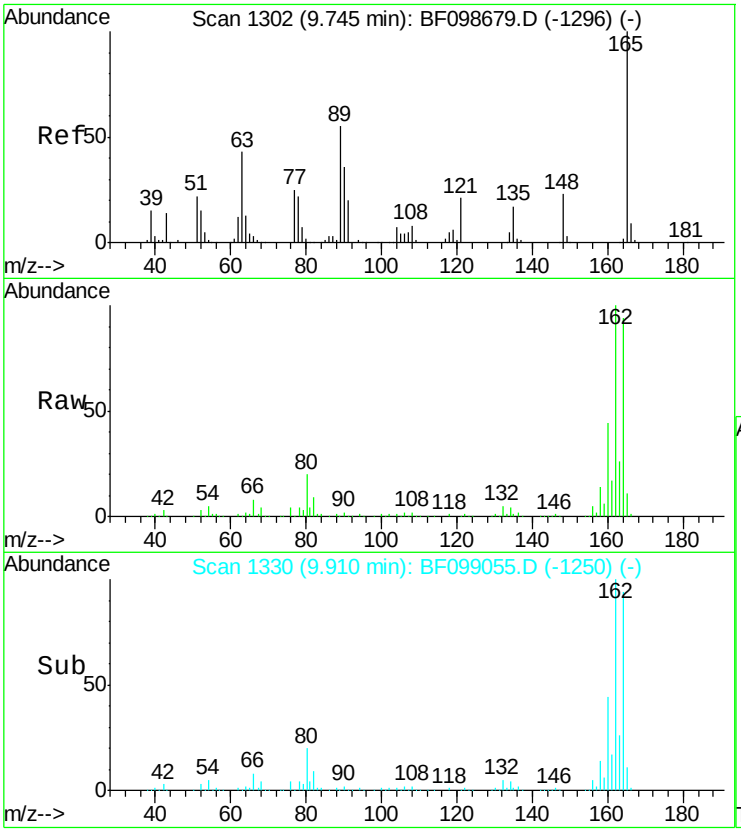


#49
Dimethylphthalate
Concen: 2.42 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.06 min
Lab File: BF099055.D
Acq: 4 Oct 2017 2:48

Tgt Ion:163 Resp: 27540

Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.7	4.1
164	10.7	8.2	12.2



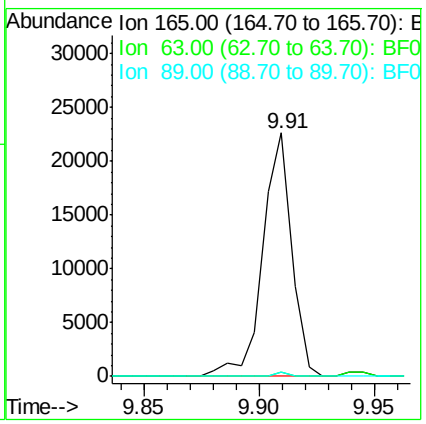


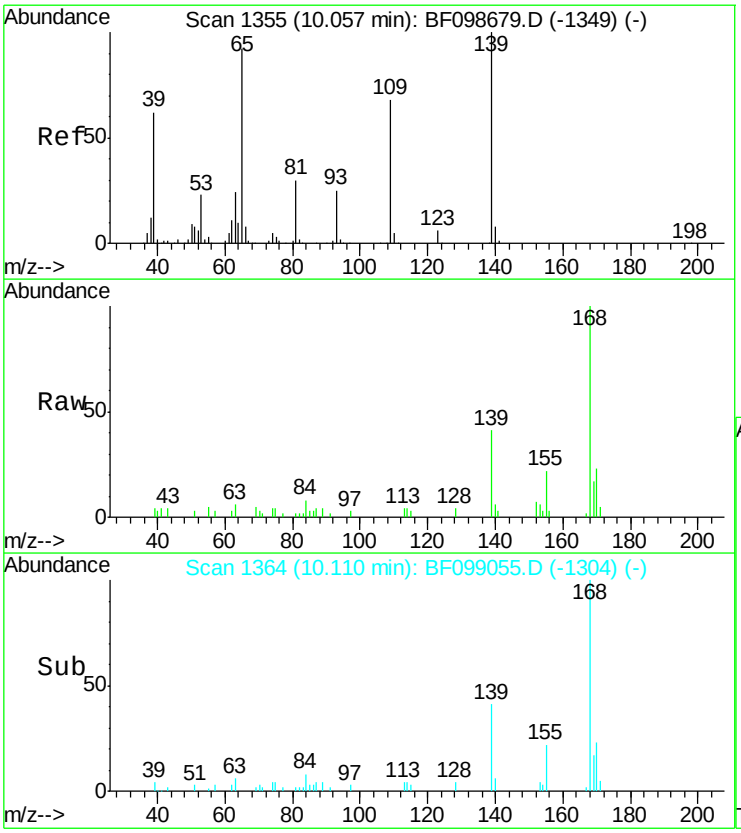
#50
2,6-Dinitrotoluene
Concen: 7.97 ng
RT: 9.91 min Scan# 1330
Delta R.T. 0.17 min
Lab File: BF099055.D
Acq: 4 Oct 2017 2:48

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 19752

Ion	Ratio	Lower	Upper
165	100		
63	1.8	44.7	67.1#
89	1.5	44.0	66.0#

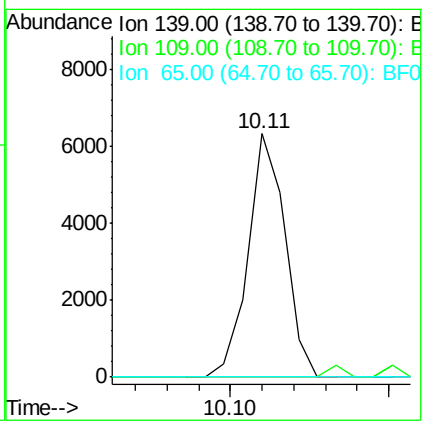


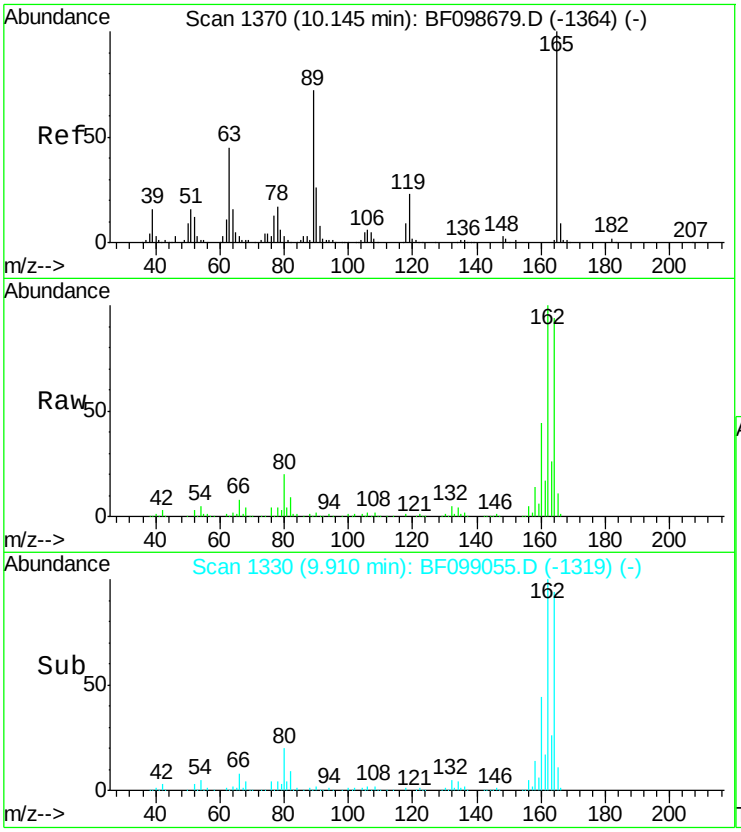


#55
4-Nitrophenol
Concen: 2.09 ng
RT: 10.11 min Scan# 1364
Delta R.T. 0.05 min
Lab File: BF099055.D
Acq: 4 Oct 2017 2:48

Tgt Ion:139 Resp: 5100

Ion	Ratio	Lower	Upper
139	100		
109	0.0	48.4	88.4#
65	0.0	72.6	112.6#



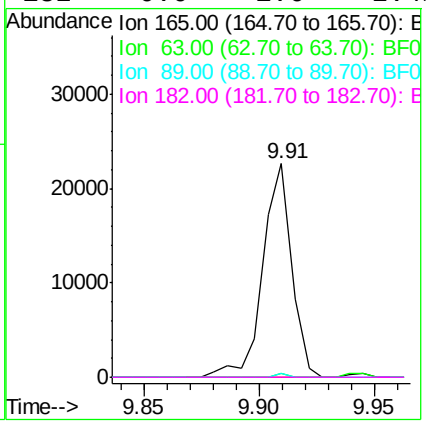


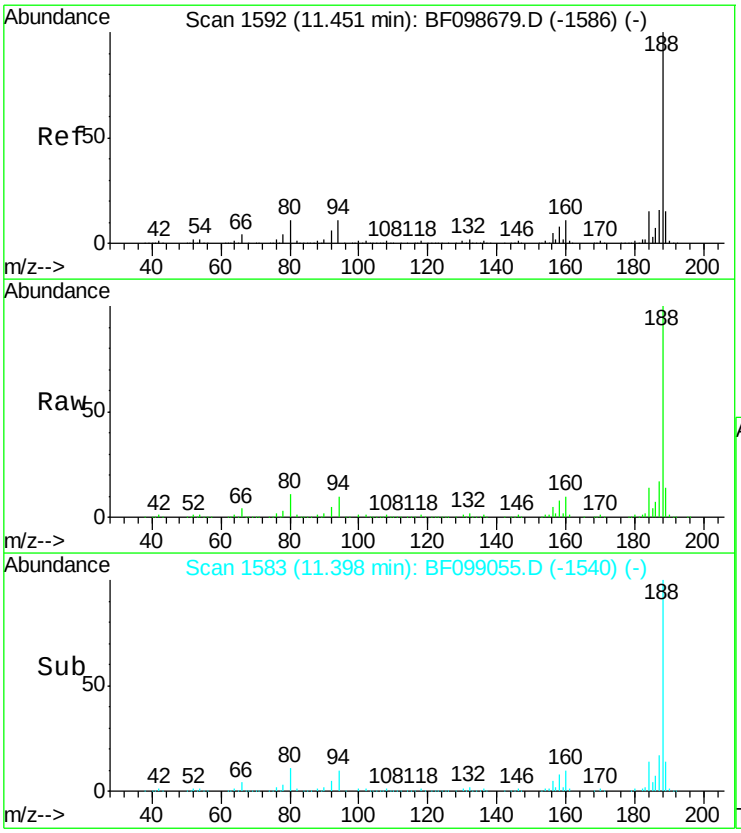
#56
2,4-Dinitrotoluene
Concen: 6.14 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.24 min
Lab File: BF099055.D
Acq: 4 Oct 2017 2:48

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 19752

Ion	Ratio	Lower	Upper
165	100		
63	1.8	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#

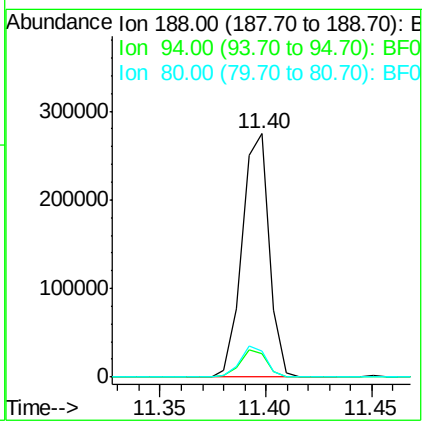


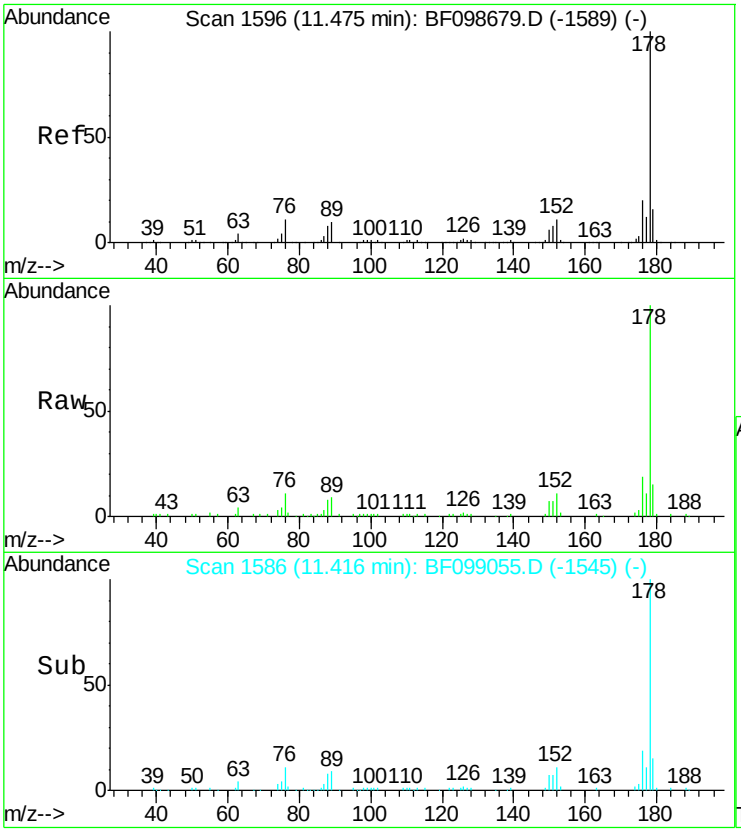


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.40 min Scan# 1583
Delta R.T. -0.05 min
Lab File: BF099055.D
Acq: 4 Oct 2017 2:48

Tgt Ion:188 Resp: 245166

Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.5	12.7
80	10.5	9.2	13.8



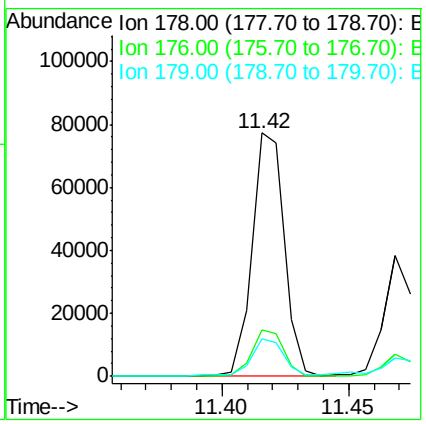


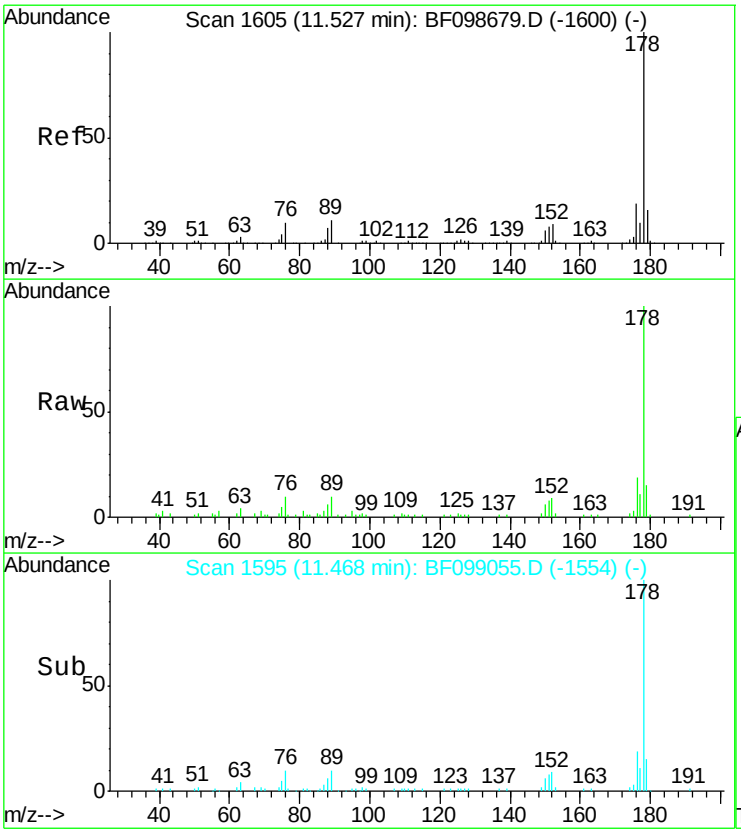
#70
Phenanthrene
Concen: 5.23 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.06 min
Lab File: BF099055.D
Acq: 4 Oct 2017 2:48

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 68626

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.4	13.0	19.6

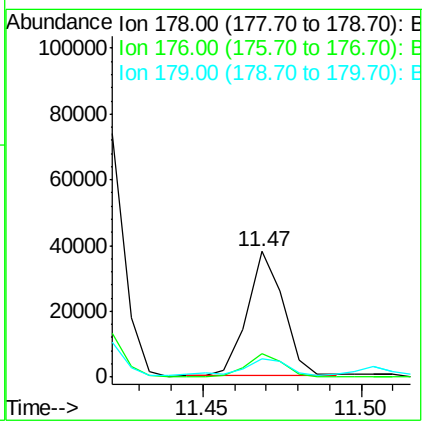


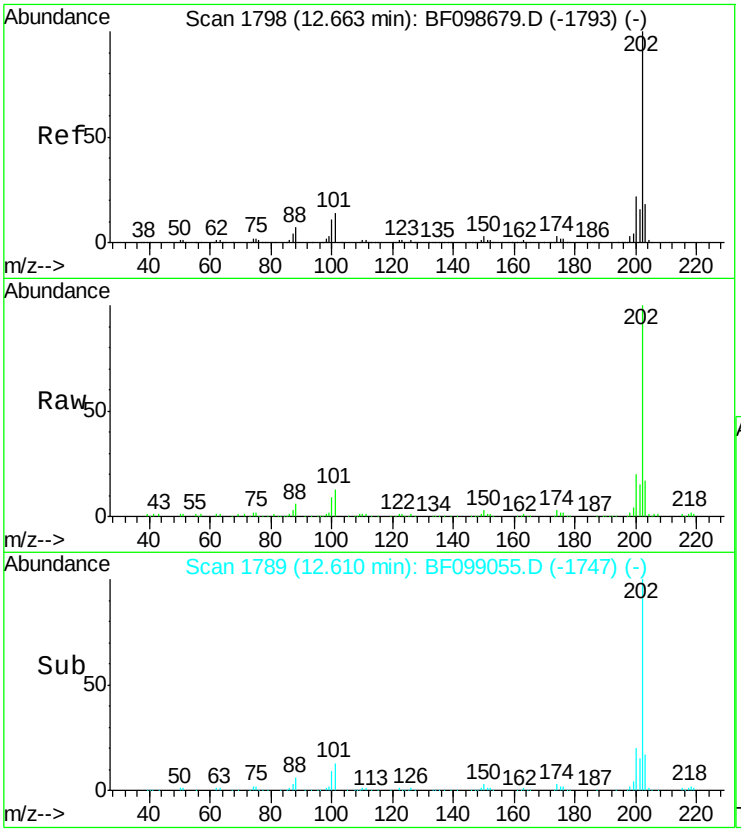


#71
Anthracene
Concen: 2.24 ng
RT: 11.47 min Scan# 1595
Delta R.T. -0.06 min
Lab File: BF099055.D
Acq: 4 Oct 2017 2:48

Tgt Ion:178 Resp: 30030

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	14.9	12.6	19.0



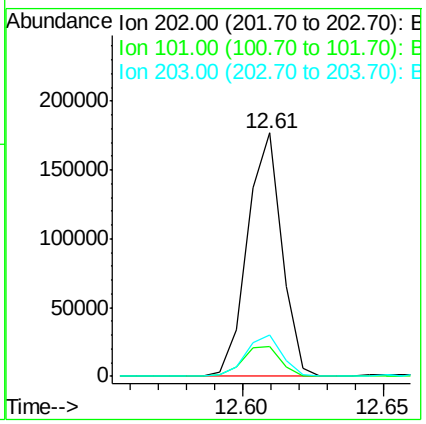


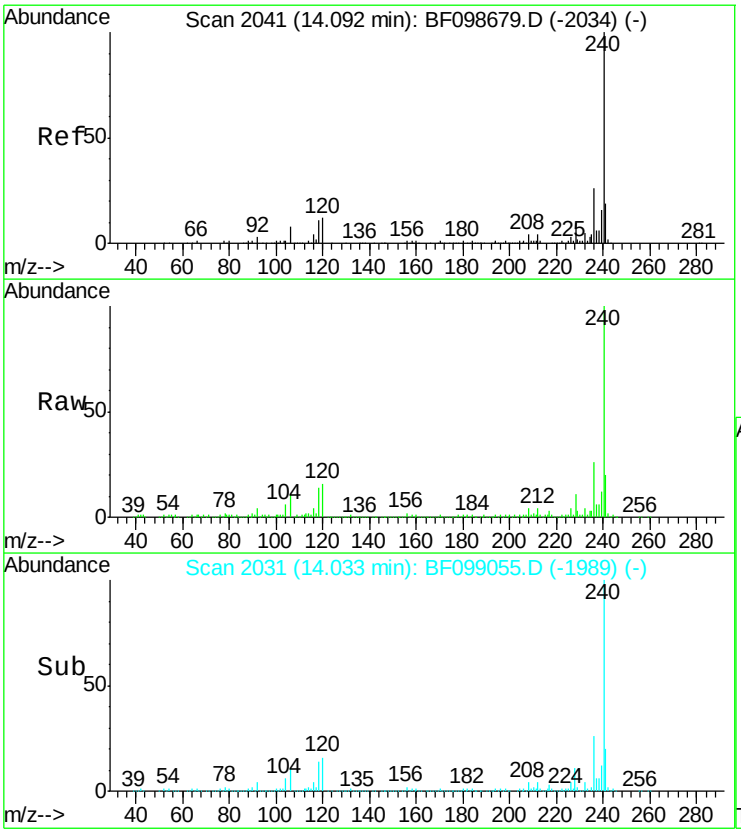
#74
Fluoranthene
Concen: 11.25 ng
RT: 12.61 min Scan# 1789
Delta R.T. -0.05 min
Lab File: BF099055.D
Acq: 4 Oct 2017 2:48

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 149447

Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	34.1
203	17.1	0.0	38.1

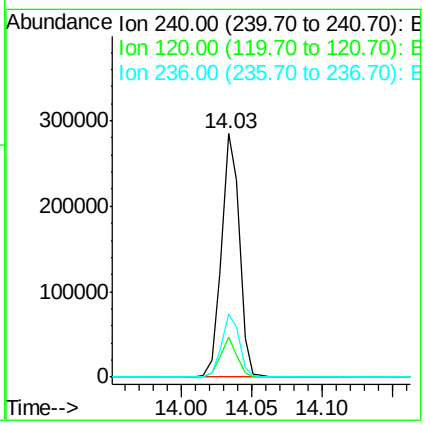


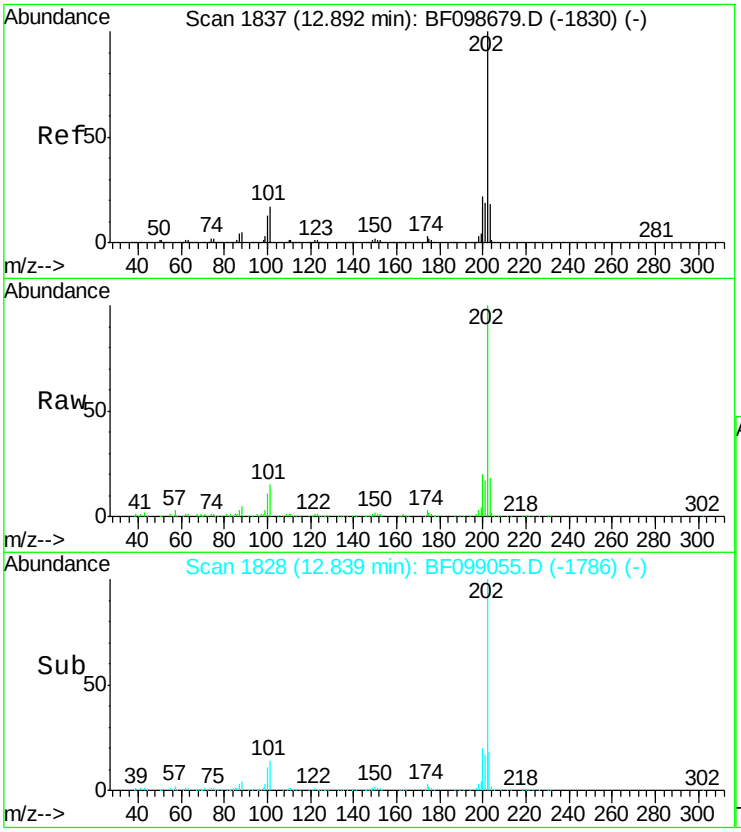


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.05 min
Lab File: BF099055.D
Acq: 4 Oct 2017 2:48

Tgt Ion:240 Resp: 252141

Ion	Ratio	Lower	Upper
240	100		
120	16.4	9.5	14.3#
236	25.9	20.7	31.1



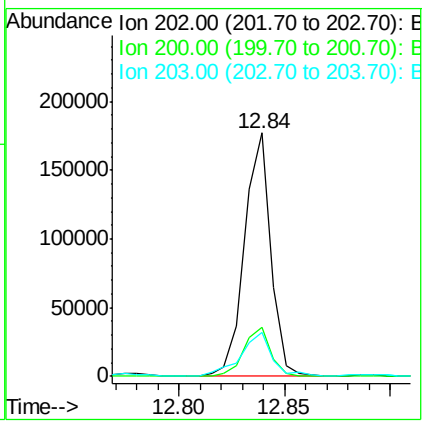


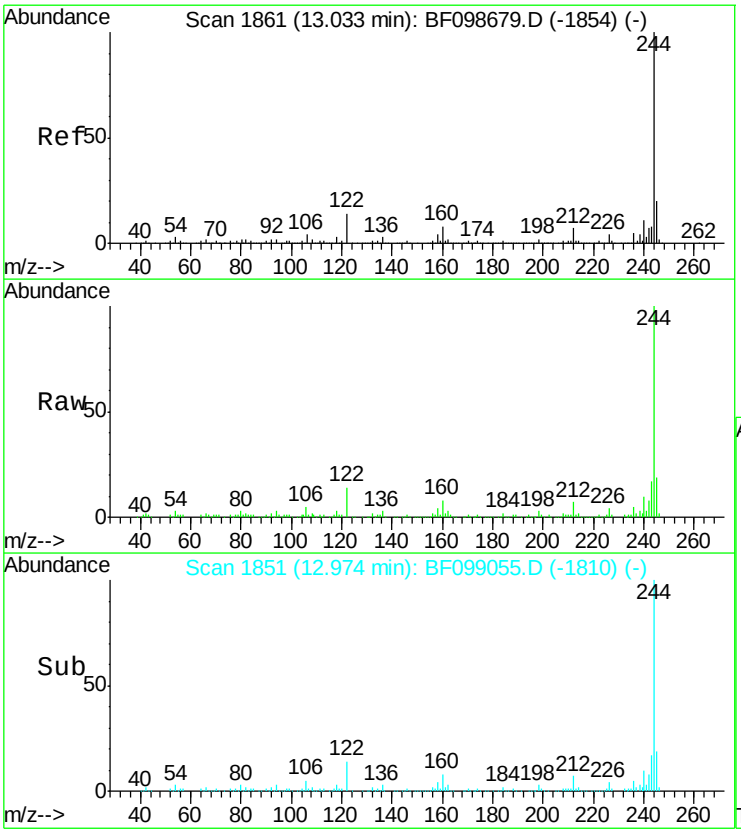
#77
Pyrene
Concen: 8.04 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.05 min
Lab File: BF099055.D
Acq: 4 Oct 2017 2:48

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:202 Resp: 154563

Ion	Ratio	Lower	Upper
202	100		
200	20.2	17.4	26.2
203	17.9	14.3	21.5

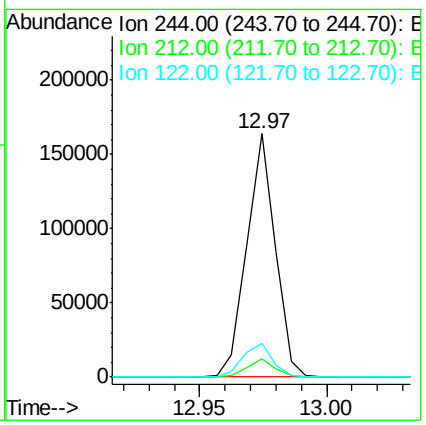


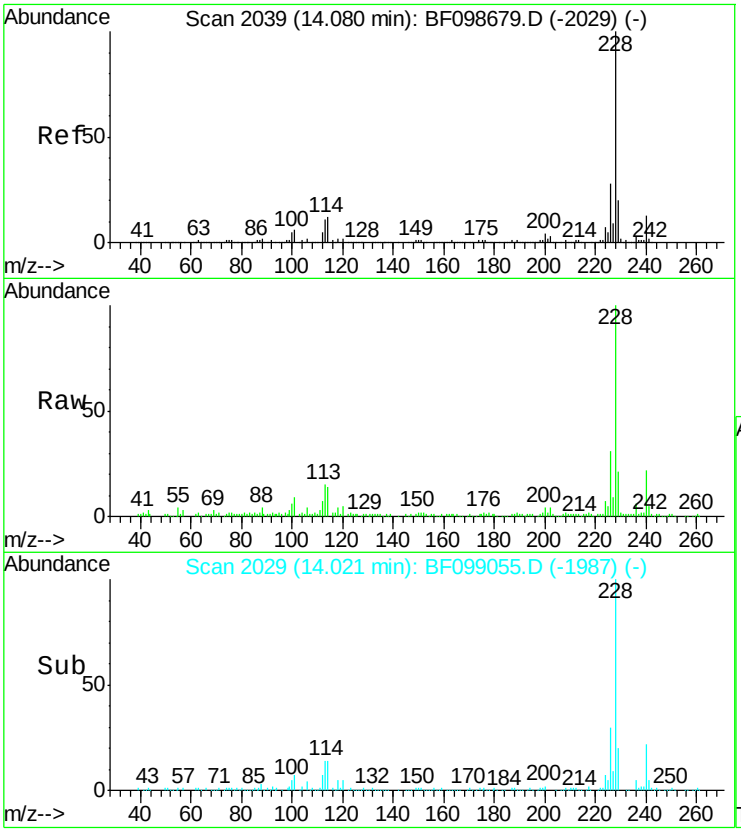


#78
Terphenyl-d14
Concen: 11.59 ng
RT: 12.97 min Scan# 1851
Delta R.T. -0.06 min
Lab File: BF099055.D
Acq: 4 Oct 2017 2:48

Tgt Ion:244 Resp: 128449

Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.4	8.0
122	13.6	11.0	16.4



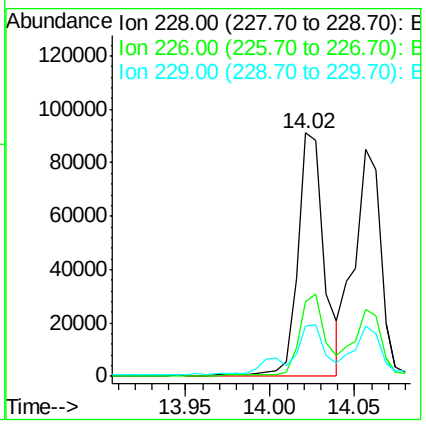


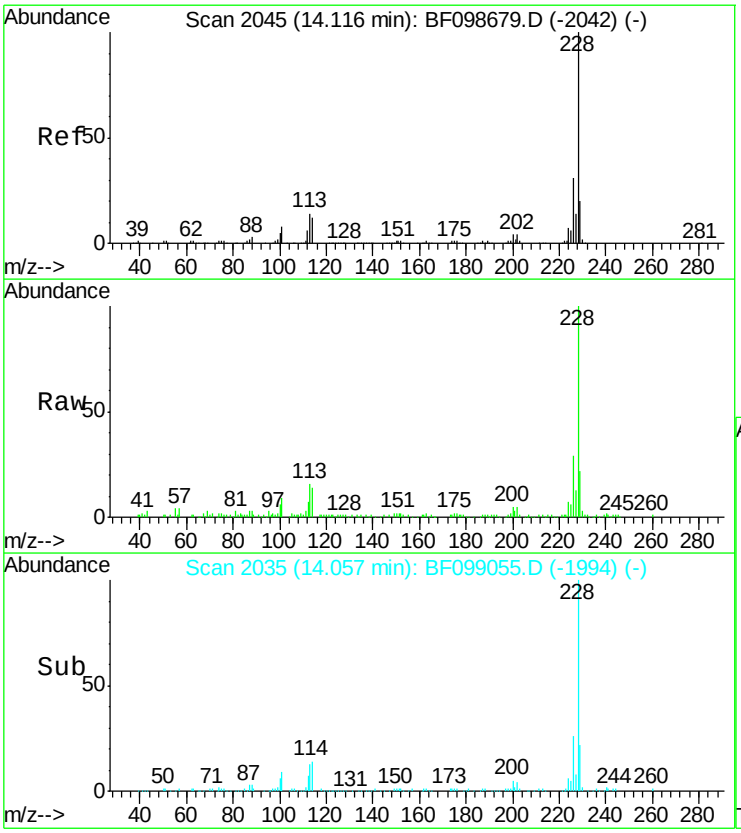
#80
Benzo(a)anthracene
Concen: 6.51 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.05 min
Lab File: BF099055.D
Acq: 4 Oct 2017 2:48

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 99386

Ion	Ratio	Lower	Upper
228	100		
226	30.6	22.6	33.8
229	20.9	15.8	23.6

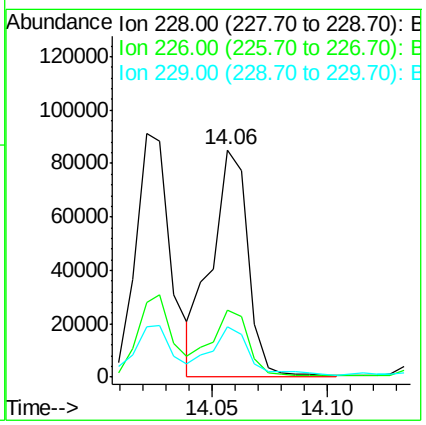


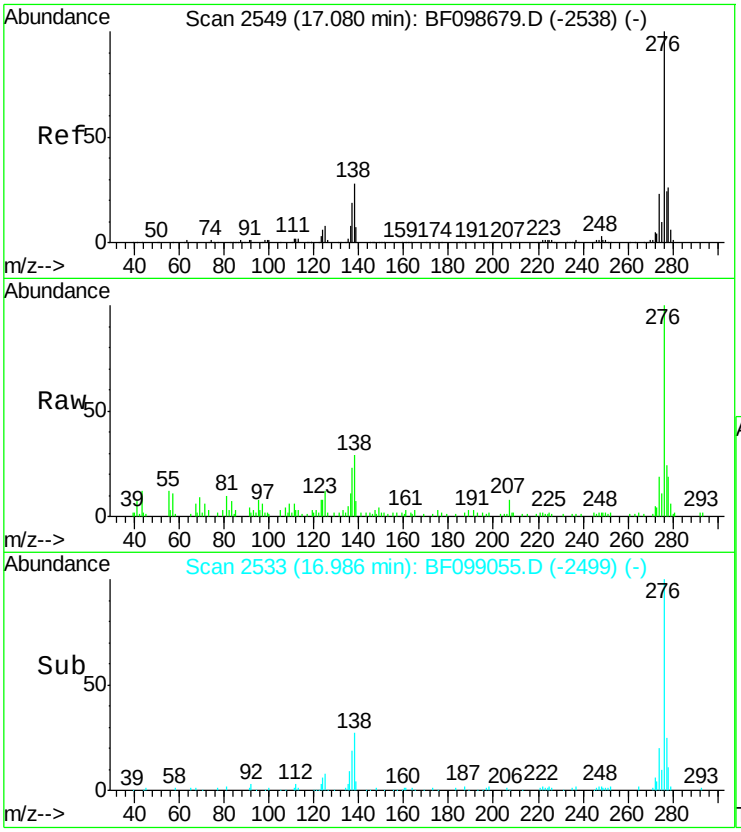


#82
Chrysene
Concen: 6.41 ng
RT: 14.06 min Scan# 2035
Delta R.T. -0.06 min
Lab File: BF099055.D
Acq: 4 Oct 2017 2:48

Tgt Ion:228 Resp: 93220

Ion	Ratio	Lower	Upper
228	100		
226	29.3	25.0	37.6
229	22.4	16.2	24.4



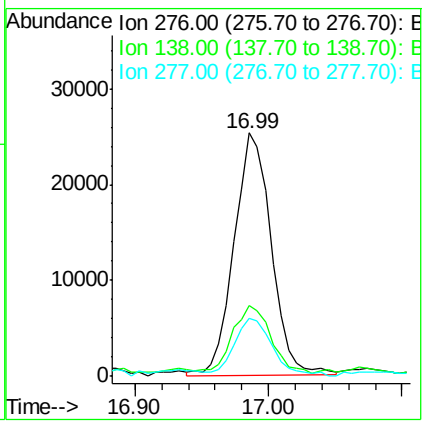


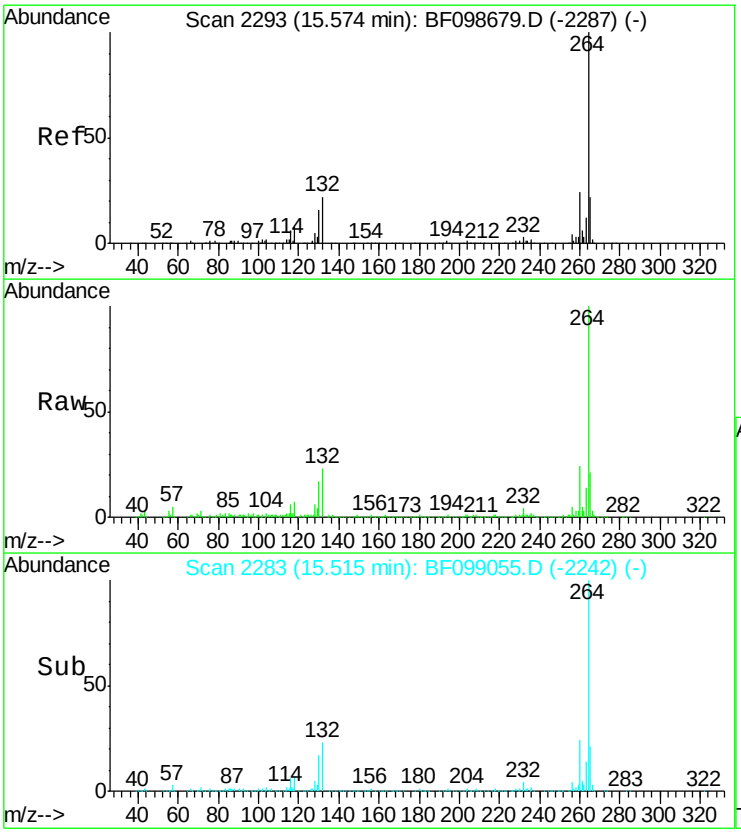
#85
Indeno(1,2,3-cd)pyrene
Concen: 4.19 ng
RT: 16.99 min Scan# 2533
Delta R.T. -0.10 min
Lab File: BF099055.D
Acq: 4 Oct 2017 2:48

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 48688

Ion	Ratio	Lower	Upper
276	100		
138	28.4	25.0	37.6
277	25.0	20.1	30.1

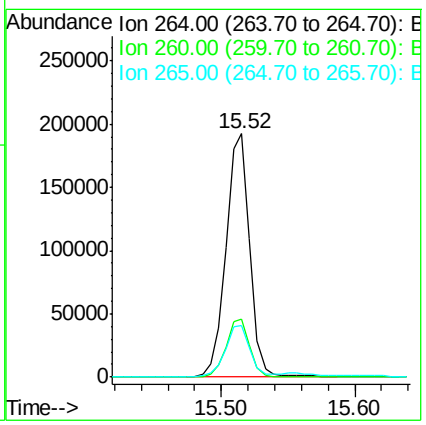


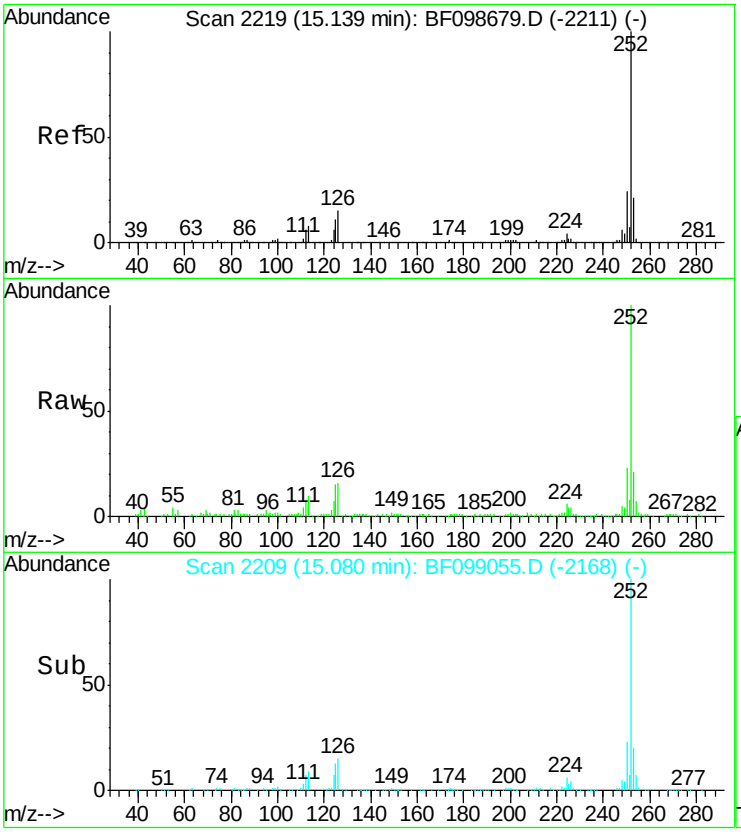


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.06 min
Lab File: BF099055.D
Acq: 4 Oct 2017 2:48

Tgt Ion:264 Resp: 241197

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.2	17.5	26.3



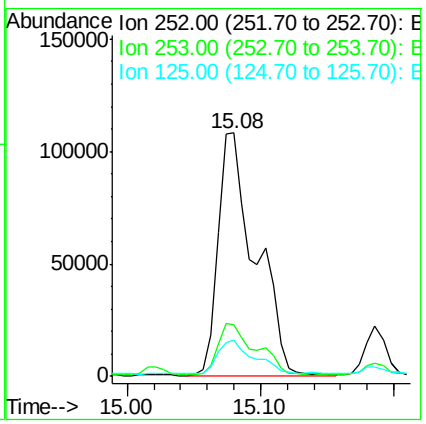


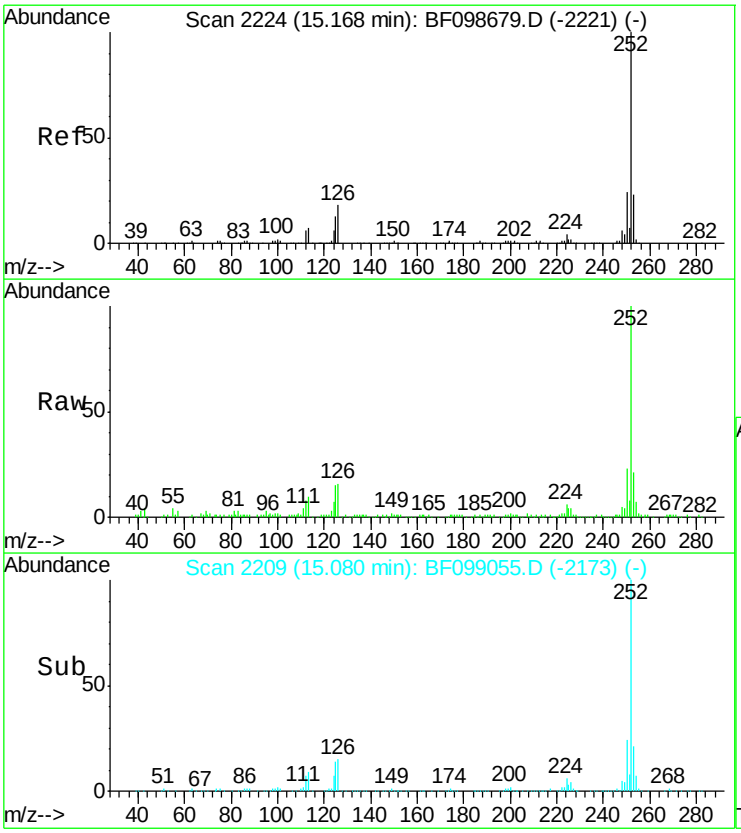
#87
Benzo(b)fluoranthene
Concen: 14.19 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.06 min
Lab File: BF099055.D
Acq: 4 Oct 2017 2:48

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 210443

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.0	25.6
125	14.7	9.0	13.6#

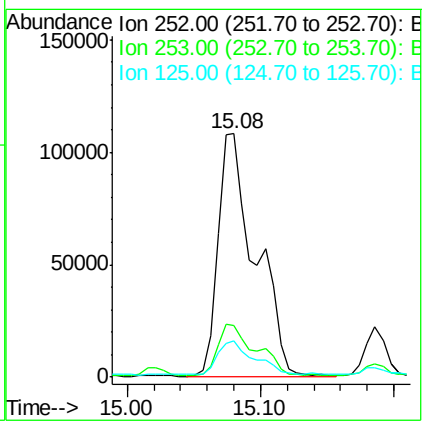


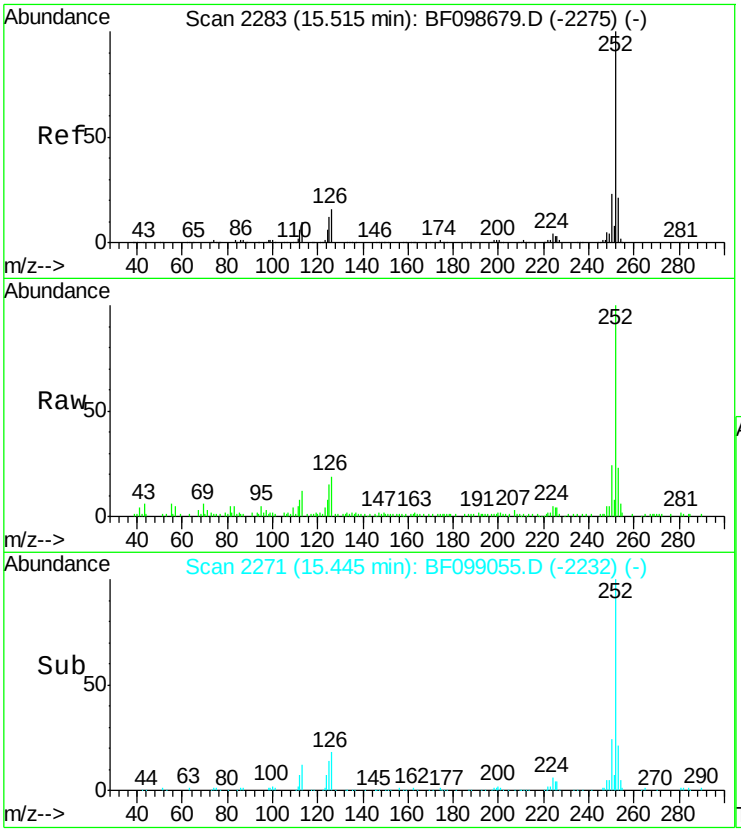


#88
Benzo(k)fluoranthene
Concen: 14.37 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.09 min
Lab File: BF099055.D
Acq: 4 Oct 2017 2:48

Tgt Ion:252 Resp: 210443

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.9	26.9
125	14.7	10.2	15.2



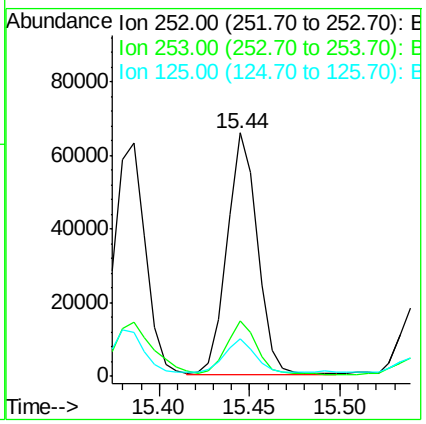


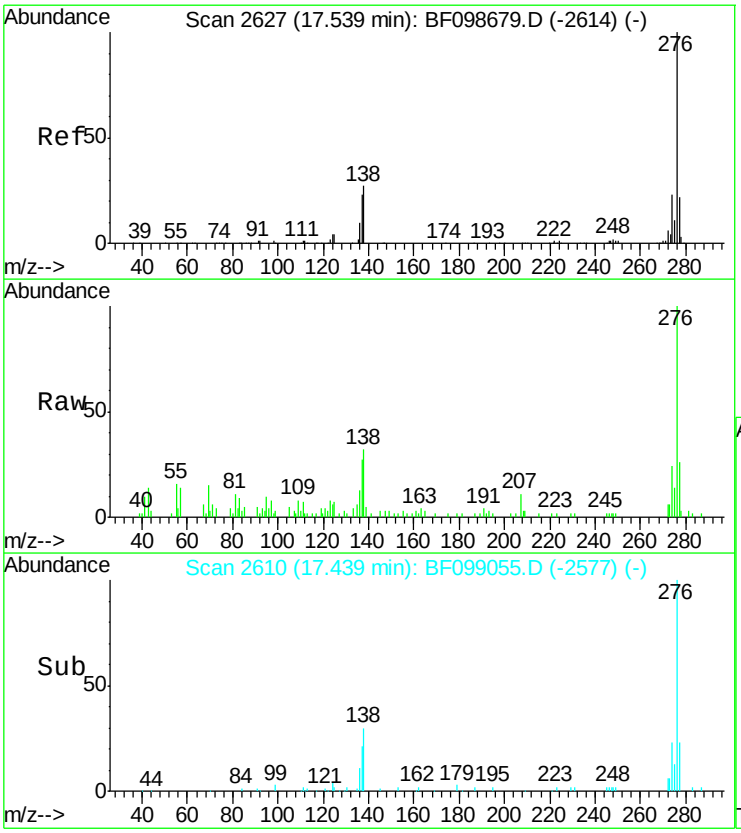
#89
Benzo(a)pyrene
Concen: 5.65 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.07 min
Lab File: BF099055.D
Acq: 4 Oct 2017 2:48

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 76976

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.1	25.7
125	15.4	9.8	14.6#





#91
Benzo(g,h,i)perylene
Concen: 3.68 ng
RT: 17.44 min Scan# 2610
Delta R.T. -0.11 min
Lab File: BF099055.D
Acq: 4 Oct 2017 2:48

Tgt Ion:276 Resp: 39593

Ion	Ratio	Lower	Upper
276	100		
277	25.6	17.9	26.9
138	31.9	21.8	32.8