Quantitation Report (Not Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF101218\
Data File : BF109835.D
Acq On : 12 Oct 2018 15:57
Operator : JU/SJ
Sample : J5314-06DL 50X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId :

Quant Time: Oct 12 17:20:49 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF100818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 08 16:02:11 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	82000	20.00	ng		0.00
21) Naphthalene-d8	7.97	136	451136	20.00	ng		0.00
38) Acenaphthene-d10	9.72	164	211164	20.00	ng		0.00
63) Phenanthrene-d10	11.20	188	373910	20.00	ng		0.00
75) Chrysene-d12	13.83	240	209815	20.00	ng		0.00
86) Perylene-d12	15.23	264	216341	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	0.00	112	0	0.00	ng		
7) Phenol-d6	6.41	99	684	0.11	ng		0.05
23) Nitrobenzene-d5	7.37	82	2508	0.31	ng		0.11
41) 2,4,6-Tribromophenol	10.52	330	2256	0.98	ng		0.00
44) 2-Fluorobiphenyl	9.06	172	16249	1.06	ng		0.00
78) Terphenyl-d14	12.78	244	13945	1.29	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	7.99	128	112979	5.415	ng		98
49) Dimethylphthalate	9.72	163	53864	3.478	ng	#	1
50) 2,6-Dinitrotoluene	9.72	165	27403	8.163	ng	#	23
51) Acenaphthene	9.75	154	80277	6.572	ng		96
54) Dibenzofuran	9.93	168	78461	4.285	ng		94
55) 4-Nitrophenol	9.93	139	29247	14.199	ng	#	6
57) Fluorene	10.27	166	107494	7.862	ng		97
70) Phenanthrene	11.23	178	940477	50.261	ng		99
71) Anthracene	11.28	178	381422	19.719	ng		99
72) Carbazole	11.45	167	103599	5.522	ng		99
74) Fluoranthene	12.42	202	1225231	62.678	ng		98
77) Pyrene	12.64	202	998673	64.965	ng		99
80) Benzo(a)anthracene	13.82	228	479793	41.439	ng		98
82) Chrysene	13.86	228	398518	32.768	ng		97
85) Indeno(1,2,3-cd)pyrene	16.58	276	191082	21.951	ng	#	90
87) Benzo(b)fluoranthene	14.84	252	609798	51.006	ng		99
88) Benzo(k)fluoranthene	14.84	252	609798	50.765	ng		98
89) Benzo(a)pyrene	15.17	252	343046	31.619	ng		98
91) Benzo(g,h,i)perylene	16.99	276	163986	18.430	ng		98

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

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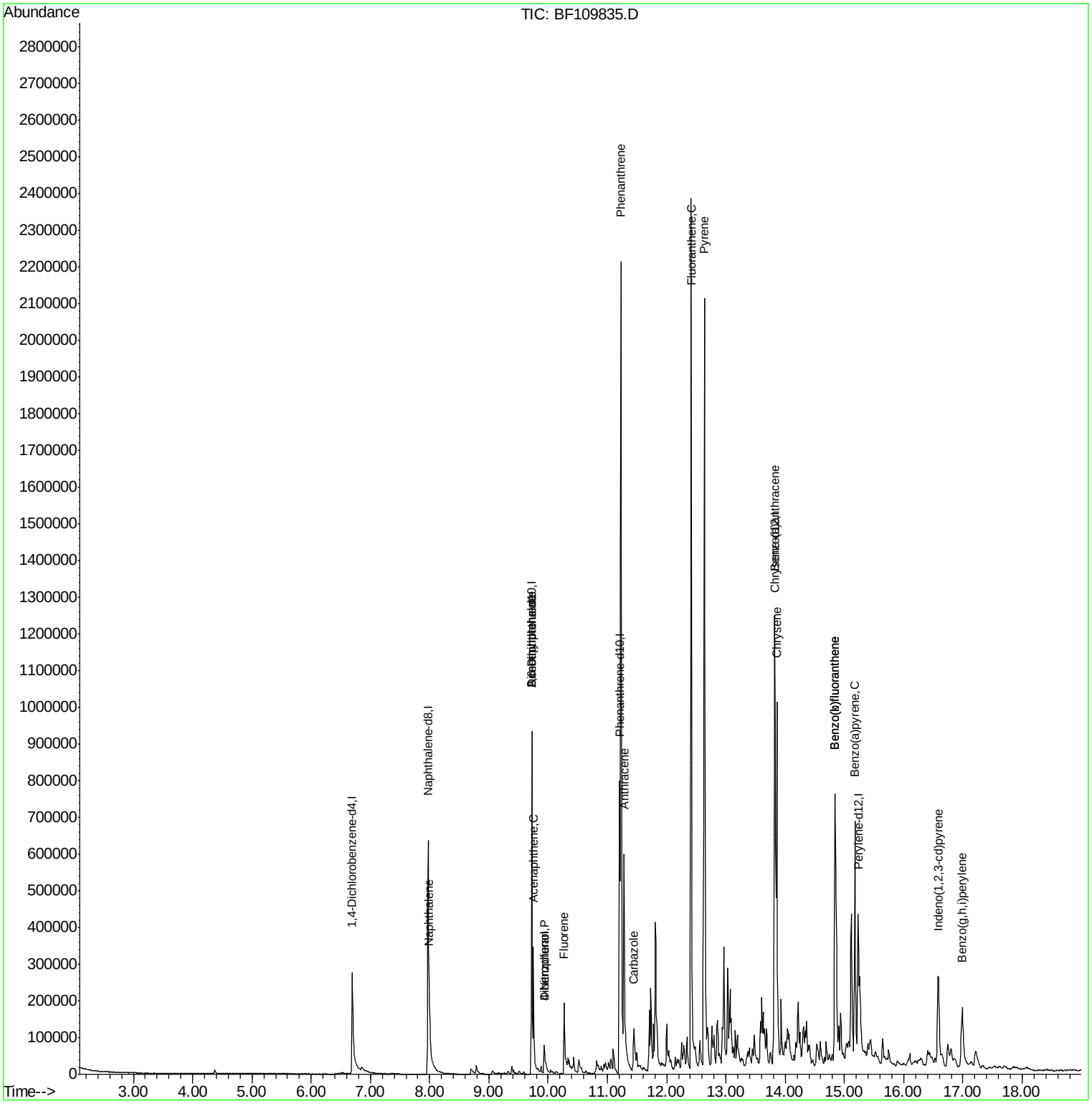
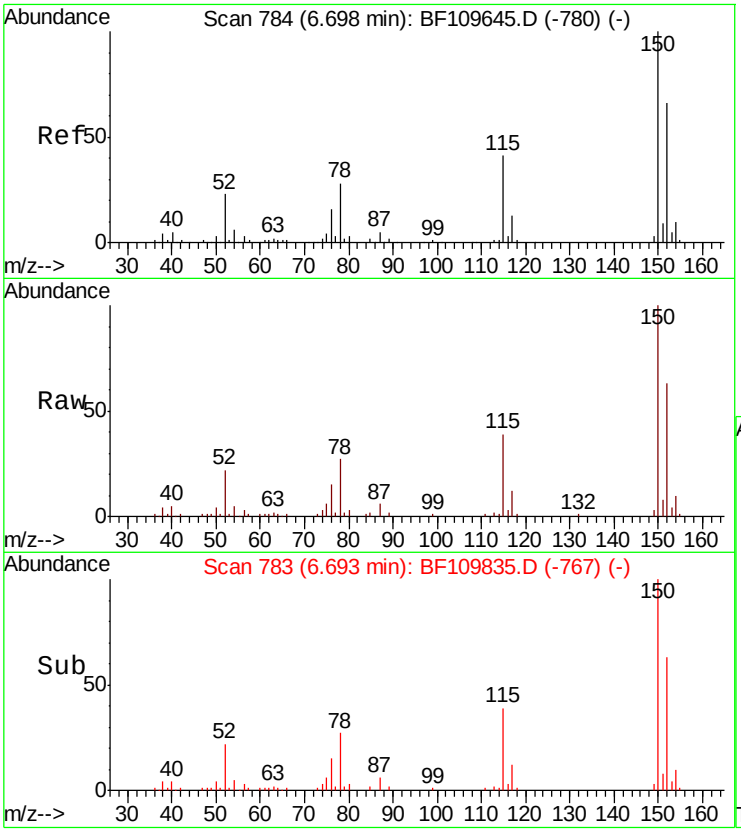


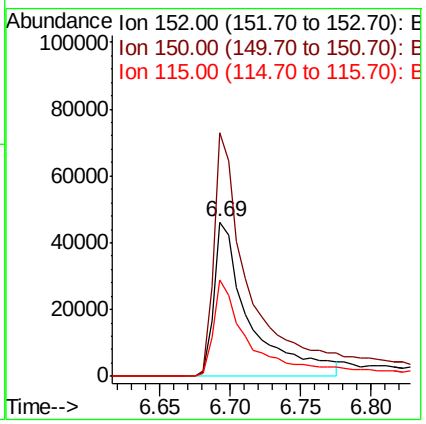


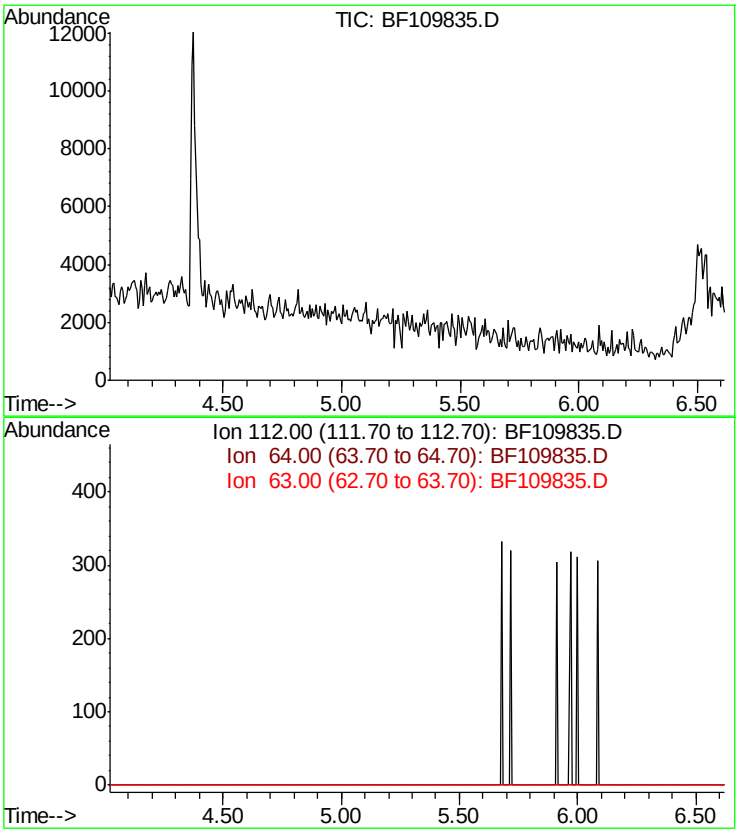
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. -0.01 min
Lab File: BF109835.D
Acq: 12 Oct 2018 15:57

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:152 Resp: 82000

Ion	Ratio	Lower	Upper
152	100		
150	157.7	122.7	184.1
115	62.0	49.1	73.7



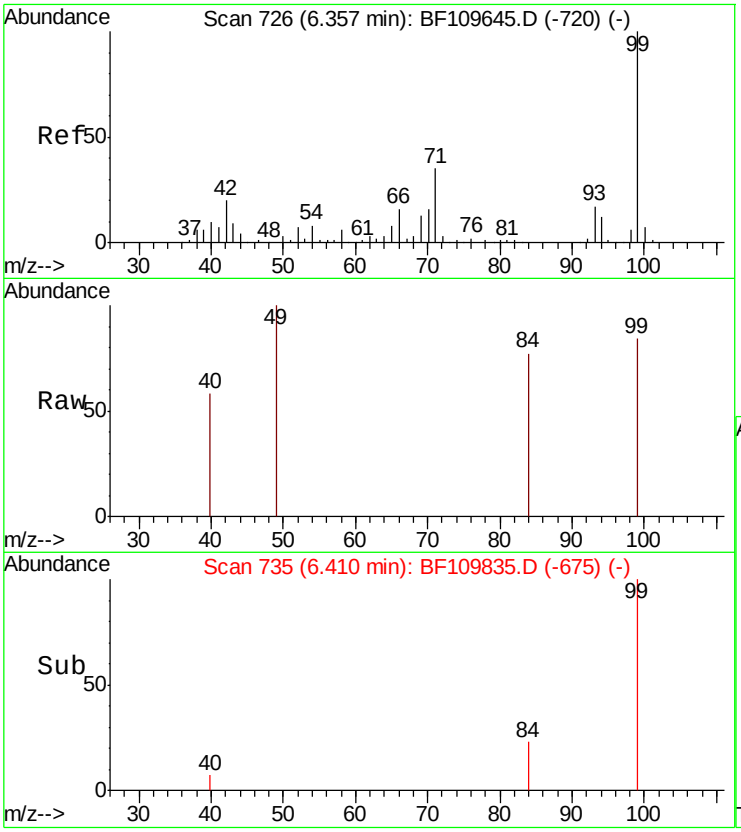


#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.32 min

Lab File: BF109835.D
Acq: 12 Oct 2018 15:57

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	55.1
63	29.6

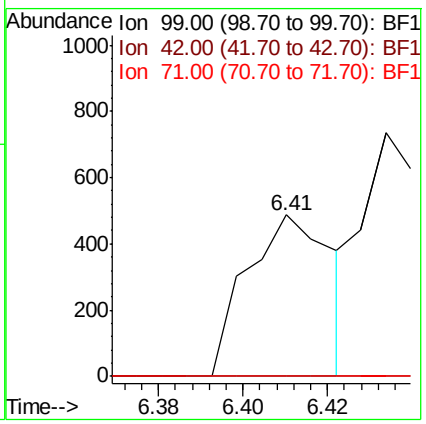


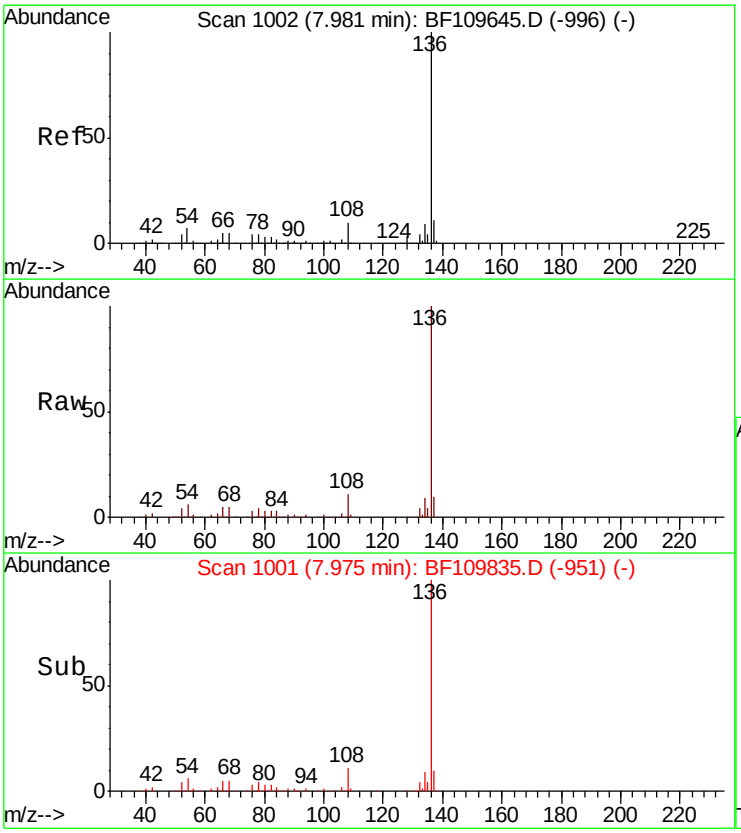
#7
Phenol-d6
Concen: 0.111 ng
RT: 6.41 min Scan# 735
Delta R.T. 0.05 min
Lab File: BF109835.D
Acq: 12 Oct 2018 15:57

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 99 Resp: 684

Ion	Ratio	Lower	Upper
99	100		
42	0.0	15.8	23.6#
71	0.0	28.0	42.0#

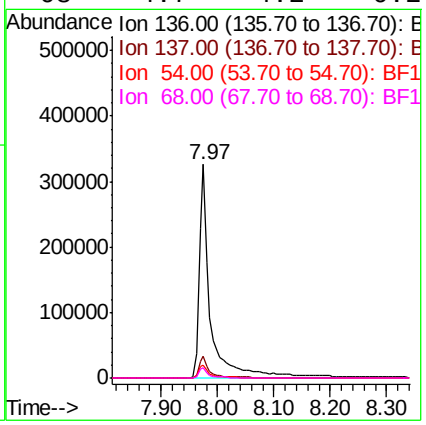


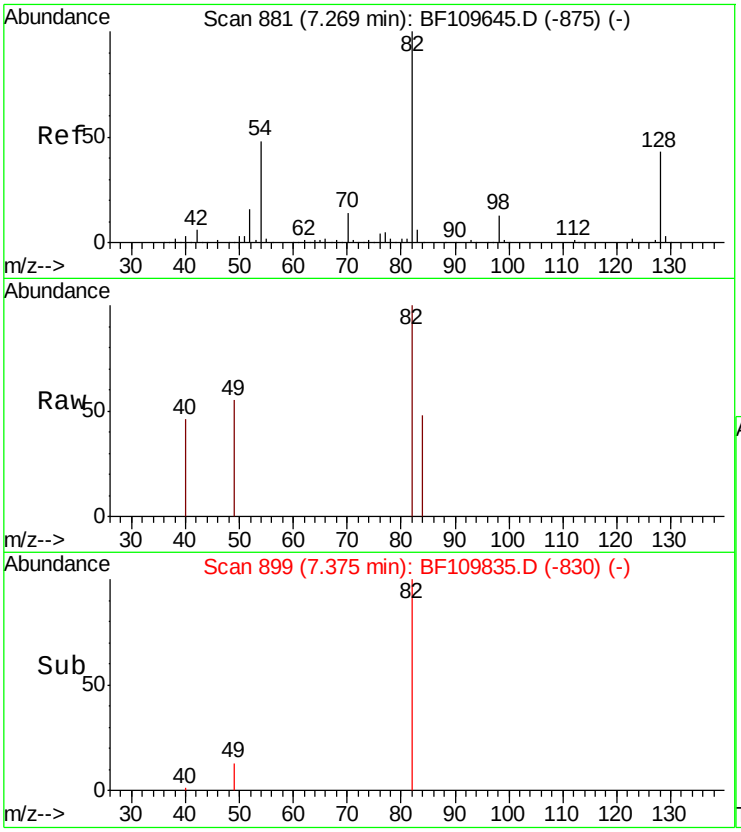


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BF109835.D
Acq: 12 Oct 2018 15:57

Tgt Ion:136 Resp: 451136

Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.8	13.2
54	6.1	5.4	8.2
68	4.7	4.2	6.2



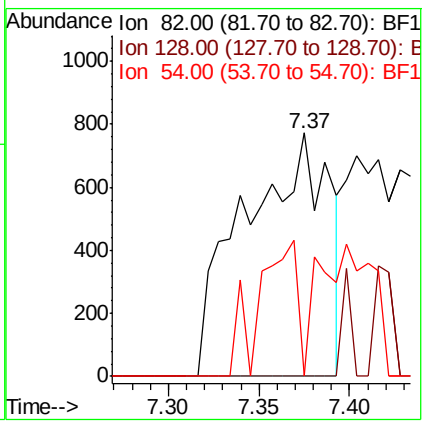


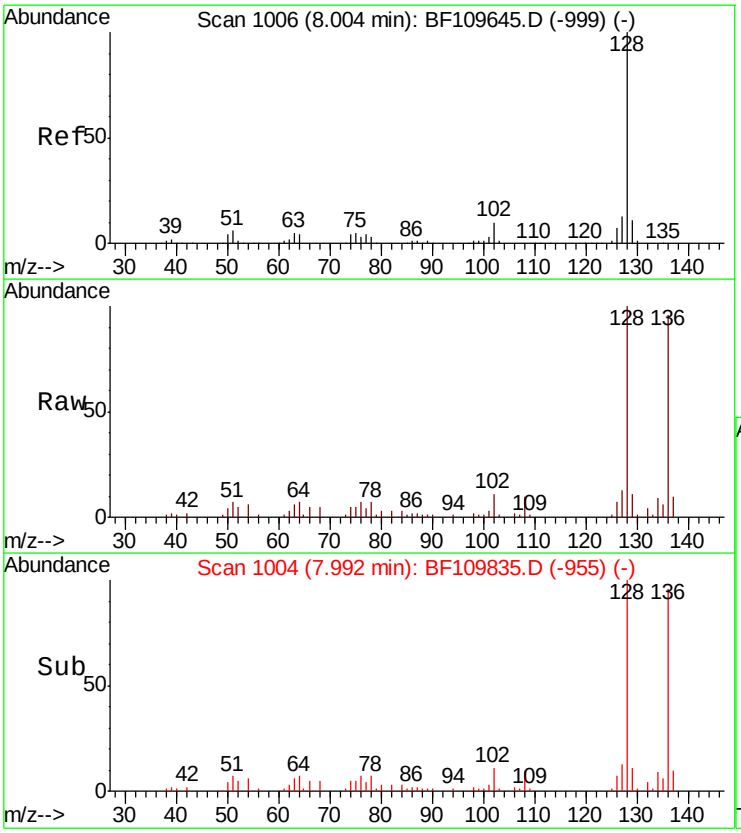
#23
Nitrobenzene-d5
Concen: 0.306 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.11 min
Lab File: BF109835.D
Acq: 12 Oct 2018 15:57

Instrument :
BNA_F
ClientSampleId :

Tgt Ion: 82 Resp: 2508

Ion	Ratio	Lower	Upper
82	100		
128	0.0	34.2	51.2#
54	0.0	38.6	58.0#

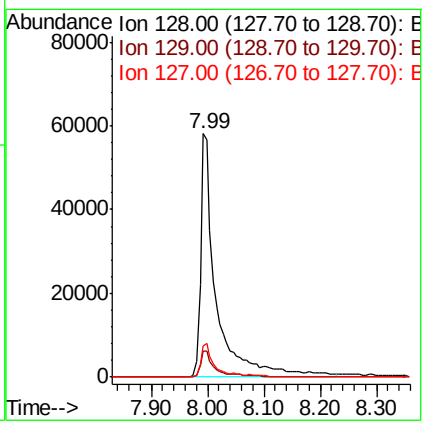


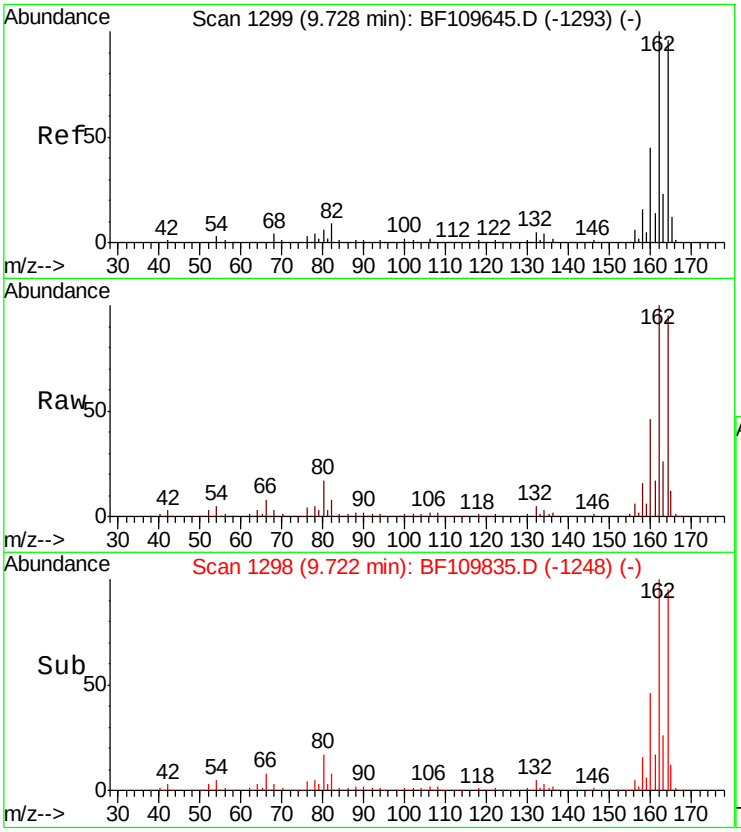


#31
Naphthalene
Concen: 5.415 ng
RT: 7.99 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF109835.D
Acq: 12 Oct 2018 15:57

Tgt Ion:128 Resp: 112979

Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.8	13.2
127	12.7	10.8	16.2



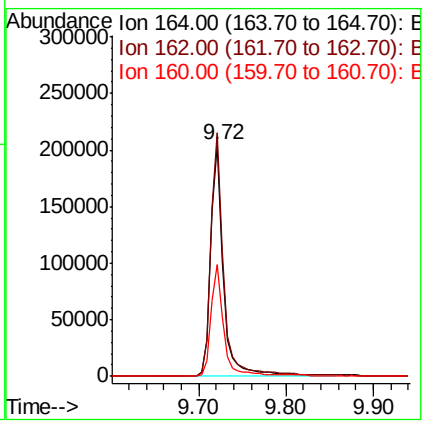


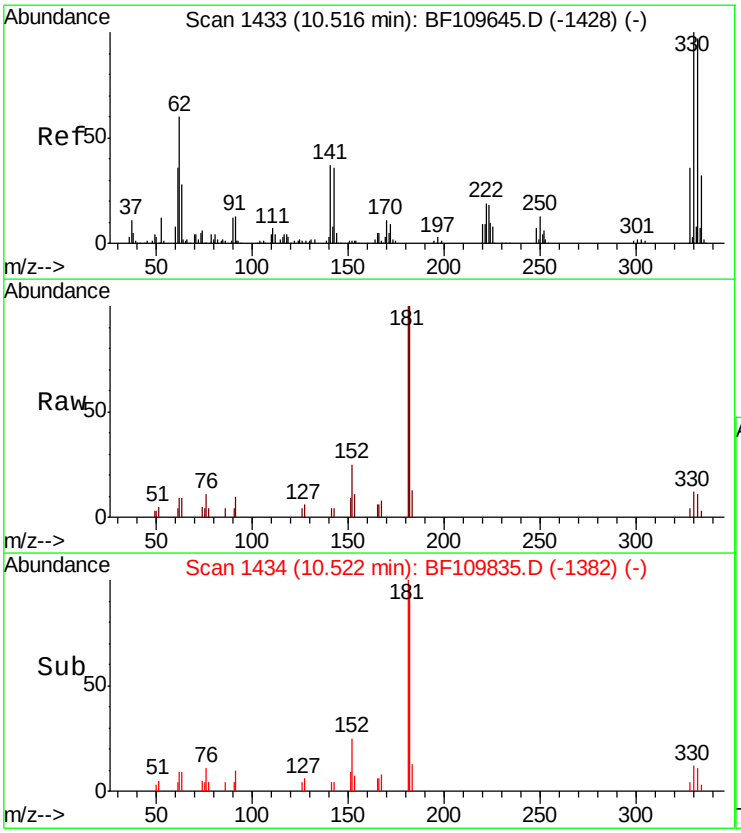
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.72 min Scan# 1298
Delta R.T. -0.01 min
Lab File: BF109835.D
Acq: 12 Oct 2018 15:57

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:164 Resp: 211164

Ion	Ratio	Lower	Upper
164	100		
162	105.4	83.0	124.6
160	48.5	37.0	55.6

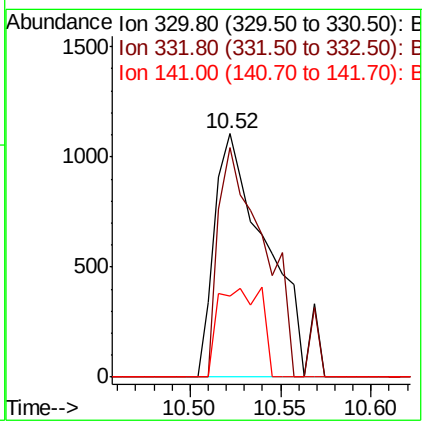


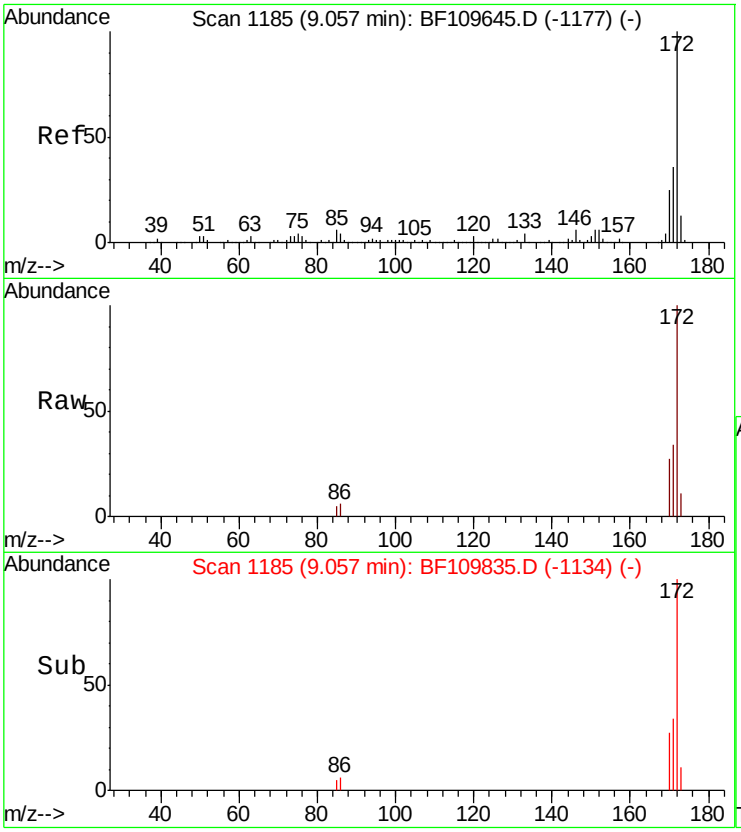


#41
2,4,6-Tribromophenol
Concen: 0.981 ng
RT: 10.52 min Scan# 1434
Delta R.T. 0.01 min
Lab File: BF109835.D
Acq: 12 Oct 2018 15:57

Tgt Ion:330 Resp: 2256

Ion	Ratio	Lower	Upper
330	100		
332	79.3	77.1	115.7
141	29.6	27.0	40.4



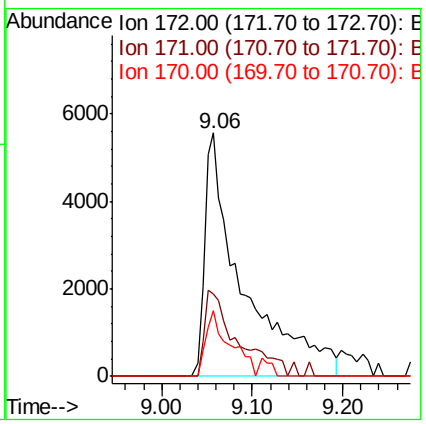


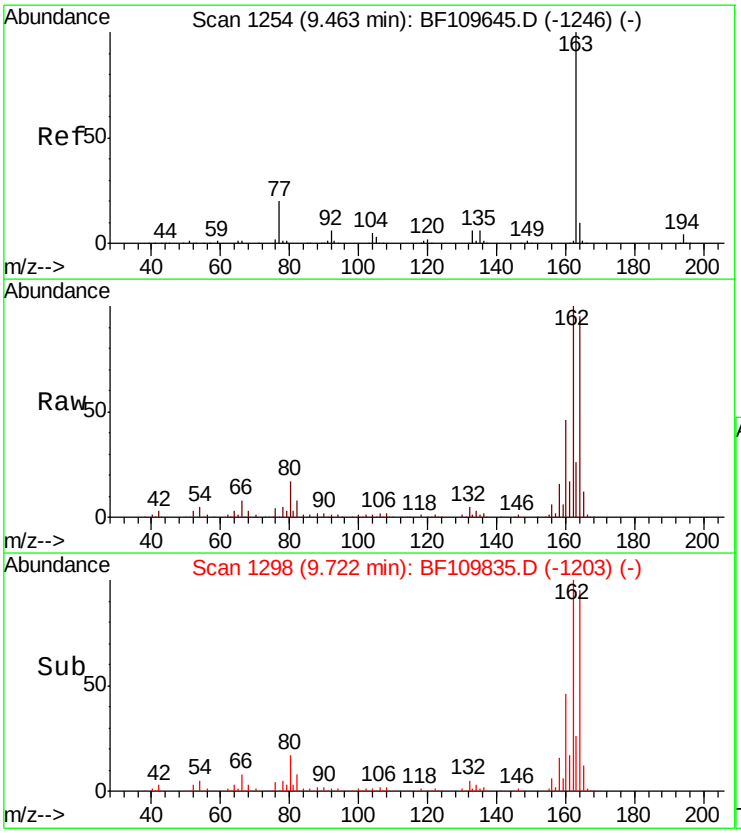
#44
2-Fluorobiphenyl
Concen: 1.060 ng
RT: 9.06 min Scan# 1185
Delta R.T. 0.00 min
Lab File: BF109835.D
Acq: 12 Oct 2018 15:57

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:172 Resp: 16249

Ion	Ratio	Lower	Upper
172	100		
171	34.1	28.6	43.0
170	27.2	19.7	29.5

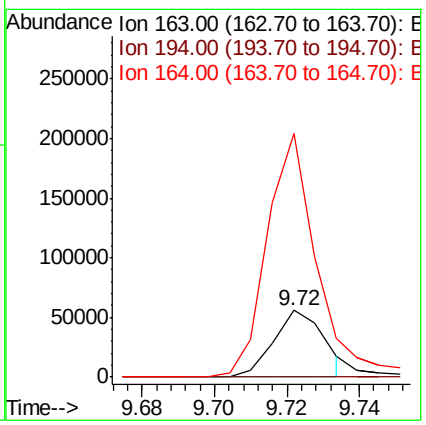


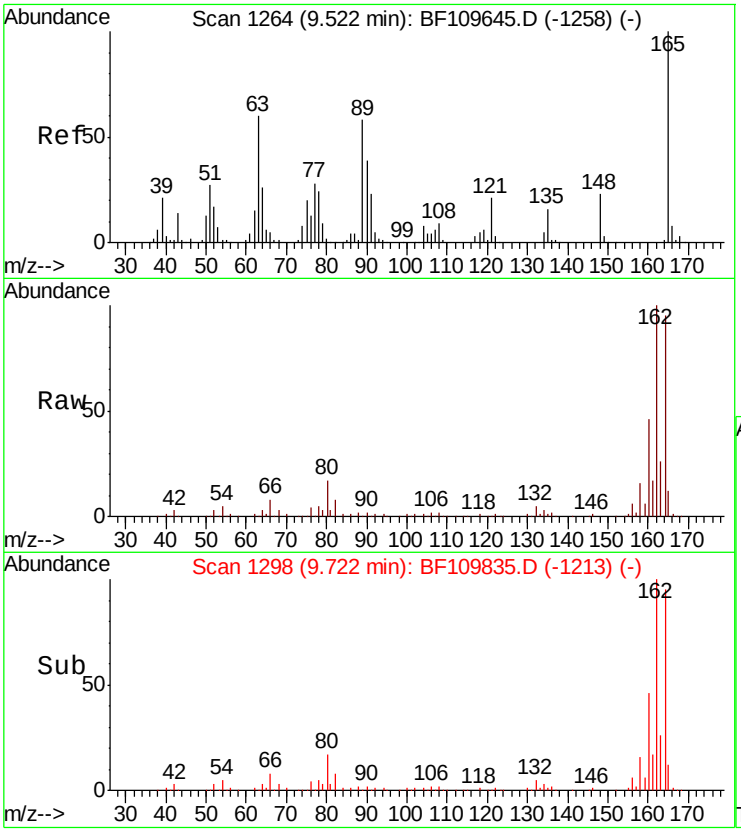


#49
Dimethylphthalate
Concen: 3.478 ng
RT: 9.72 min Scan# 1298
Delta R.T. 0.26 min
Lab File: BF109835.D
Acq: 12 Oct 2018 15:57

Tgt Ion:163 Resp: 53864

Ion	Ratio	Lower	Upper
163	100		
194	0.0	3.2	4.8#
164	365.0	8.1	12.1#



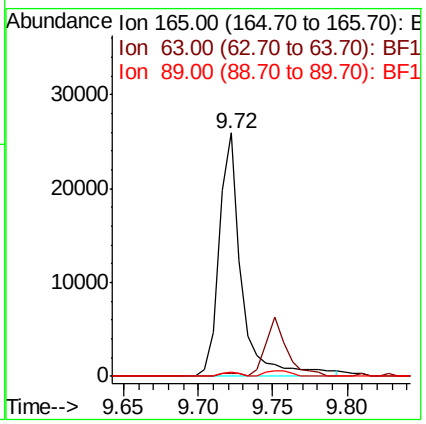


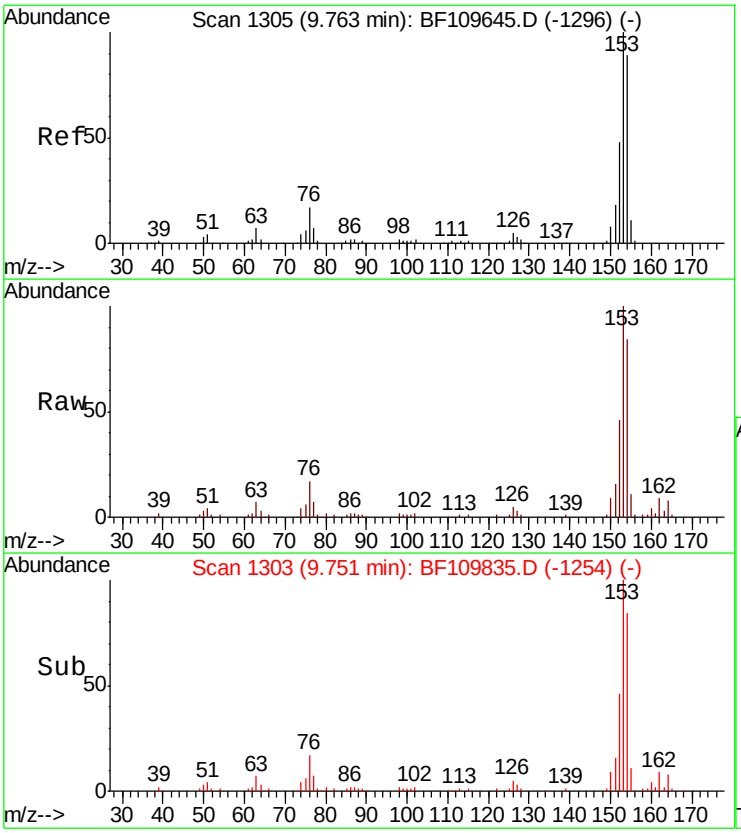
#50
2,6-Dinitrotoluene
Concen: 8.163 ng
RT: 9.72 min Scan# 1298
Delta R.T. 0.20 min
Lab File: BF109835.D
Acq: 12 Oct 2018 15:57

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:165 Resp: 27403

Ion	Ratio	Lower	Upper
165	100		
63	1.3	48.9	73.3#
89	1.8	46.6	69.8#

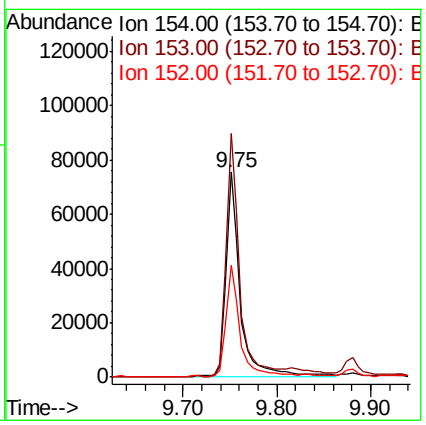


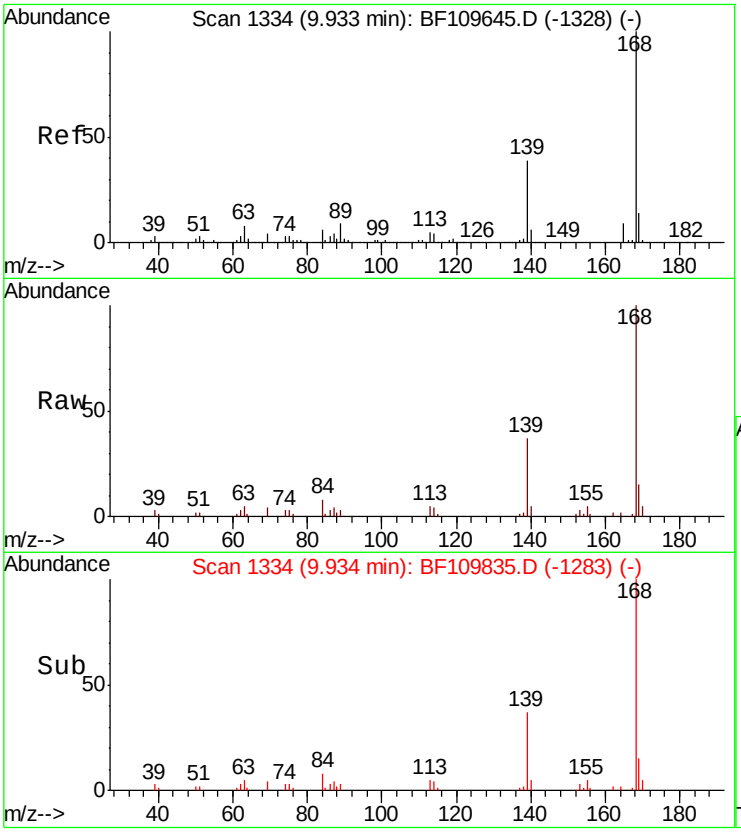


#51
Acenaphthene
Concen: 6.572 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF109835.D
Acq: 12 Oct 2018 15:57

Tgt Ion:154 Resp: 80277

Ion	Ratio	Lower	Upper
154	100		
153	118.7	90.1	135.1
152	54.7	43.4	65.2



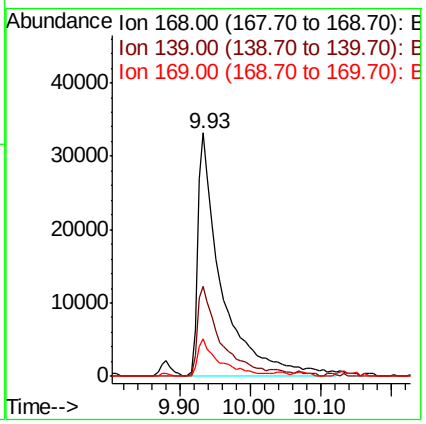


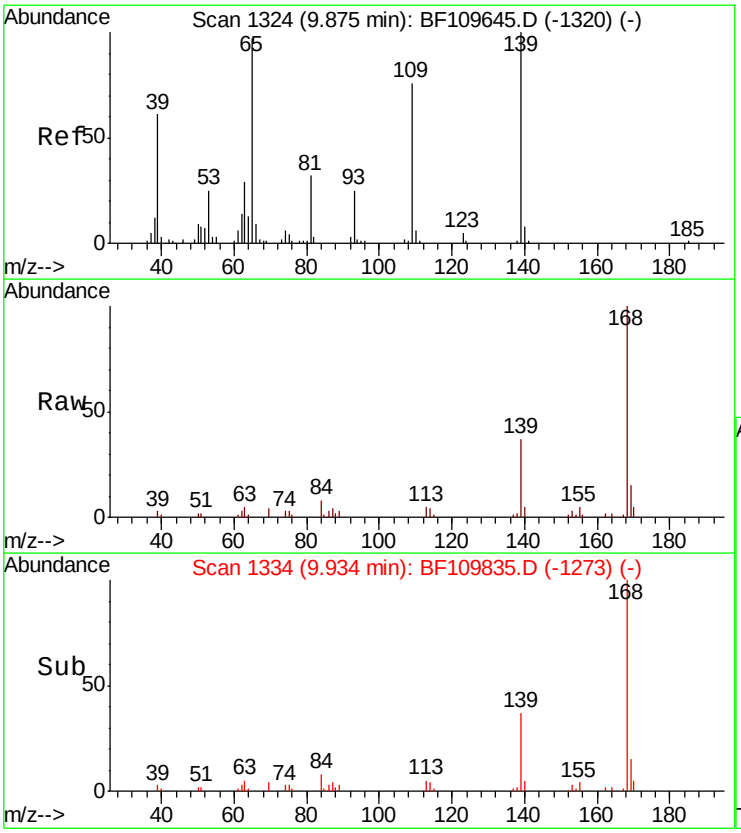
#54
Dibenzofuran
Concen: 4.285 ng
RT: 9.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BF109835.D
Acq: 12 Oct 2018 15:57

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:168 Resp: 78461

Ion	Ratio	Lower	Upper
168	100		
139	36.8	33.0	49.6
169	15.2	11.3	16.9

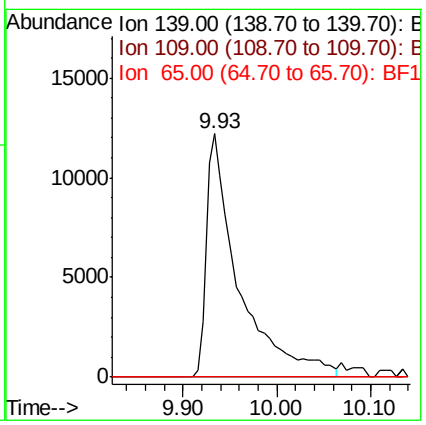


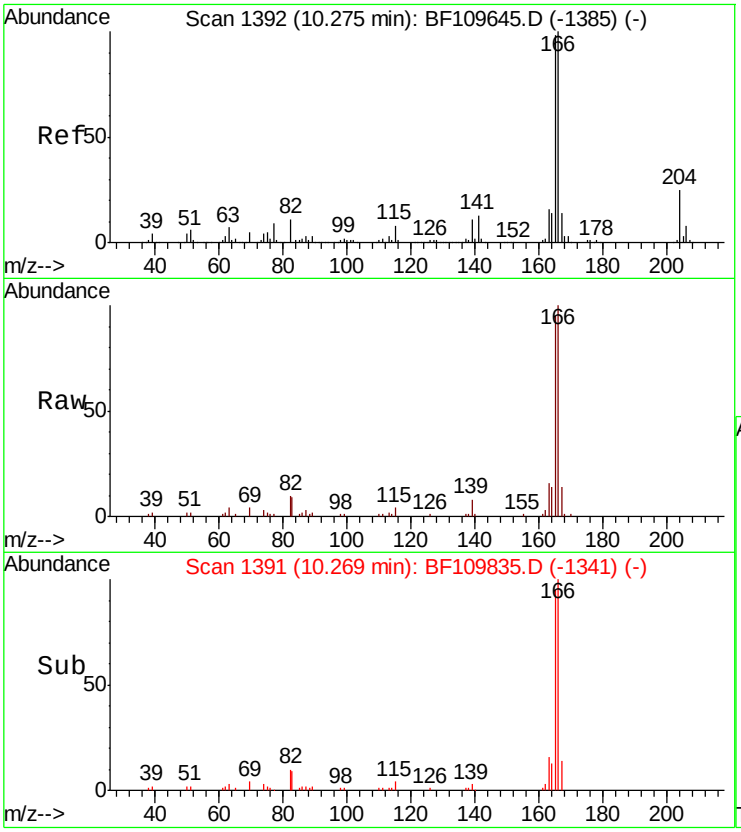


#55
4-Nitrophenol
Concen: 14.199 ng
RT: 9.93 min Scan# 1334
Delta R.T. 0.06 min
Lab File: BF109835.D
Acq: 12 Oct 2018 15:57

Tgt Ion:139 Resp: 29247

Ion	Ratio	Lower	Upper
139	100		
109	0.0	55.8	95.8#
65	0.0	77.9	117.9#



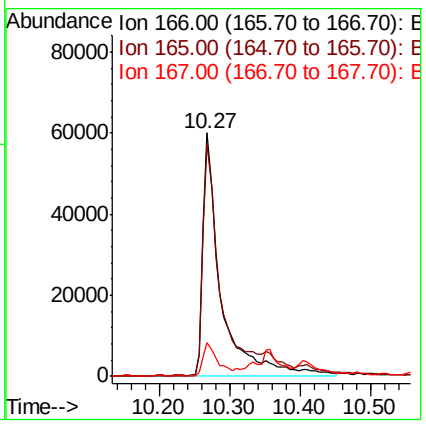


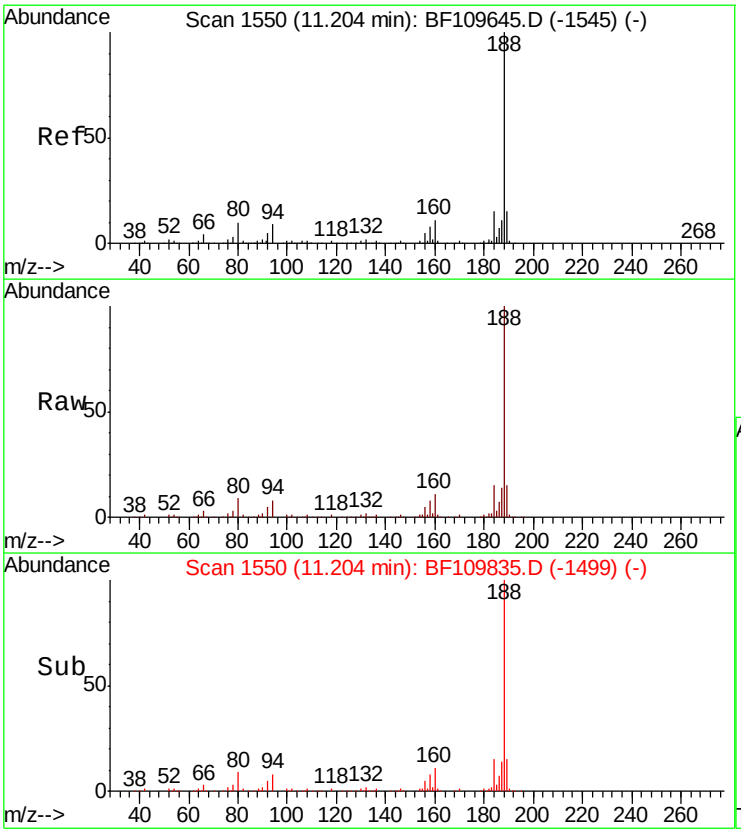
#57
Fluorene
Concen: 7.862 ng
RT: 10.27 min Scan# 1391
Delta R.T. -0.01 min
Lab File: BF109835.D
Acq: 12 Oct 2018 15:57

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:166 Resp: 107494

Ion	Ratio	Lower	Upper
166	100		
165	95.3	78.6	117.8
167	13.7	10.8	16.2

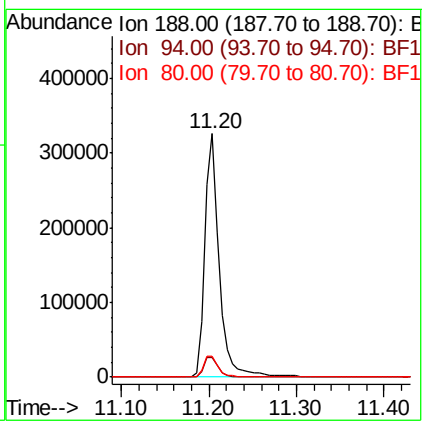


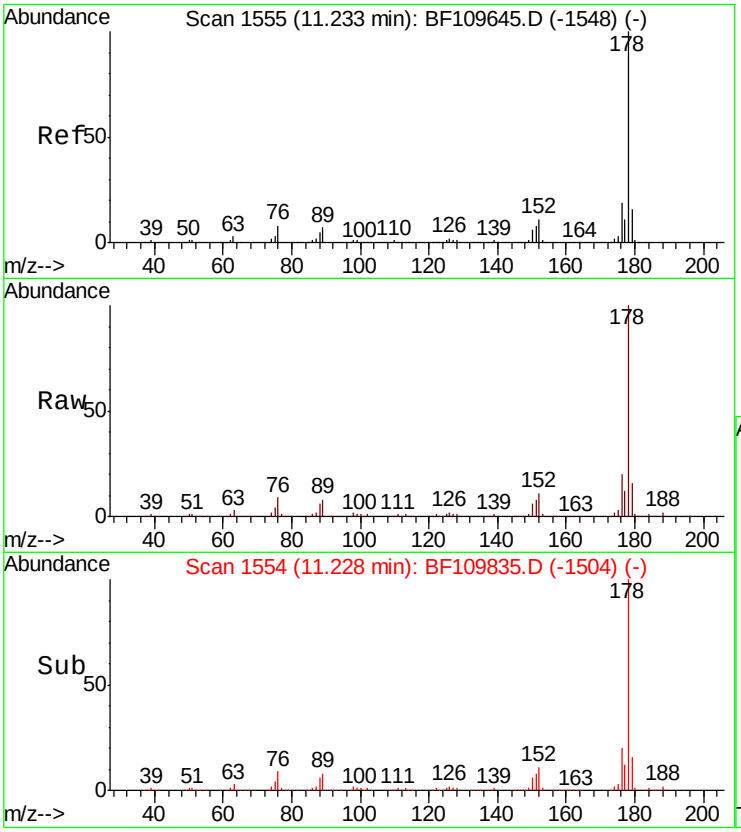


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.20 min Scan# 1550
Delta R.T. 0.00 min
Lab File: BF109835.D
Acq: 12 Oct 2018 15:57

Tgt Ion:188 Resp: 373910

Ion	Ratio	Lower	Upper
188	100		
94	8.2	7.2	10.8
80	8.7	7.9	11.9



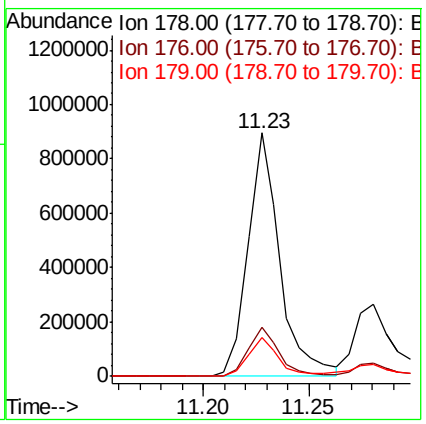


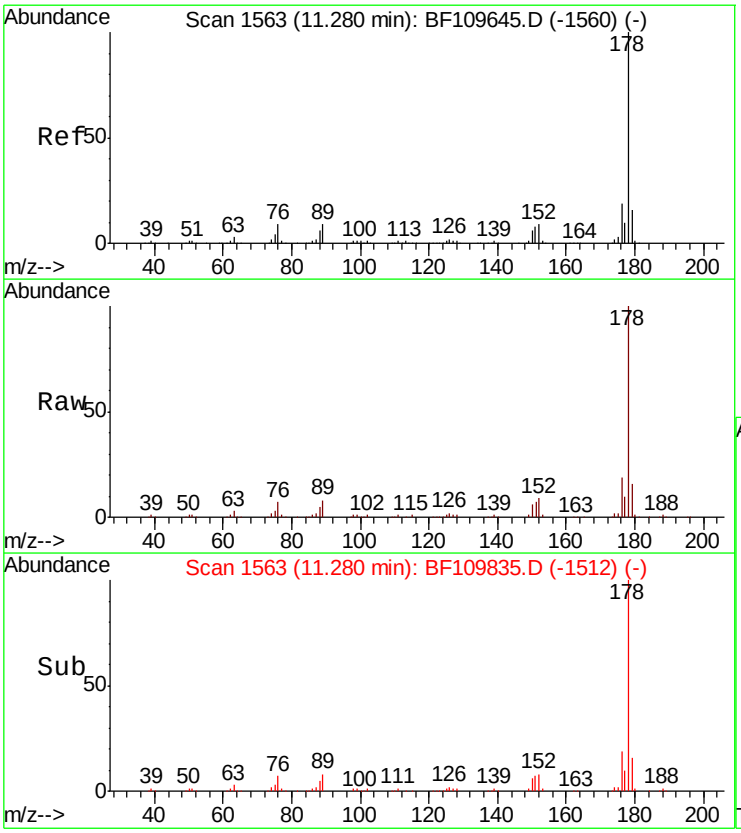
#70
Phenanthrene
Concen: 50.261 ng
RT: 11.23 min Scan# 1554
Delta R.T. -0.01 min
Lab File: BF109835.D
Acq: 12 Oct 2018 15:57

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:178 Resp: 940477

Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.5	23.3
179	15.9	12.5	18.7

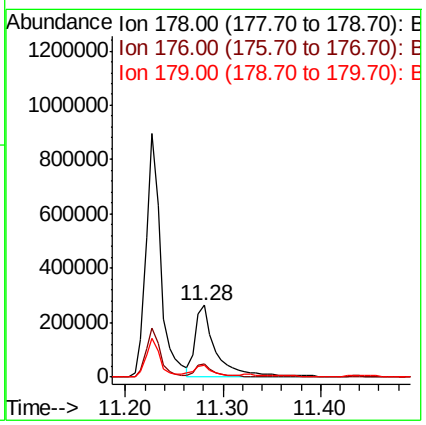


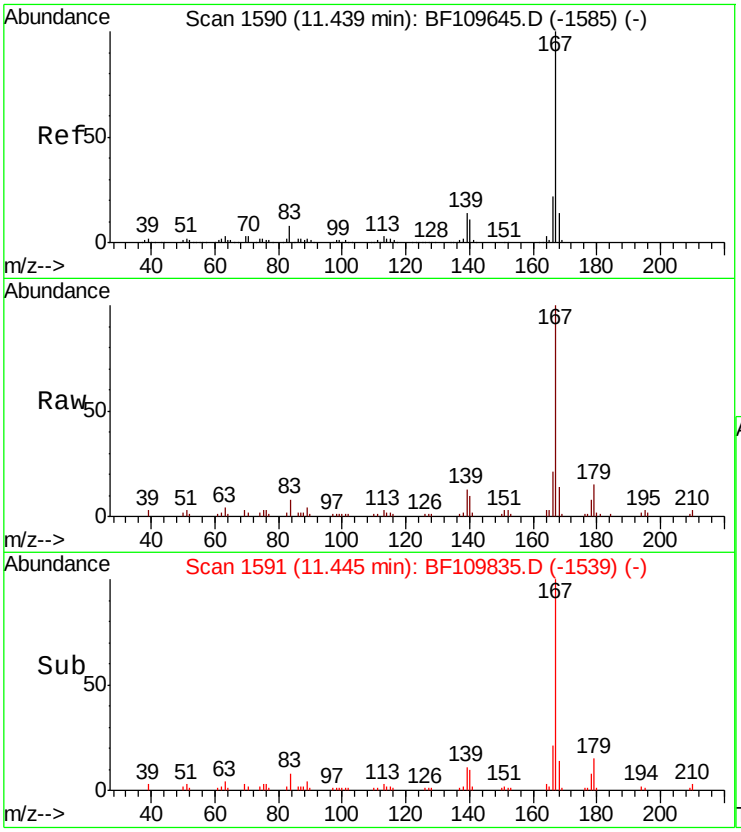


#71
Anthracene
Concen: 19.719 ng
RT: 11.28 min Scan# 1563
Delta R.T. 0.00 min
Lab File: BF109835.D
Acq: 12 Oct 2018 15:57

Tgt Ion:178 Resp: 381422

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	16.3	12.6	18.8



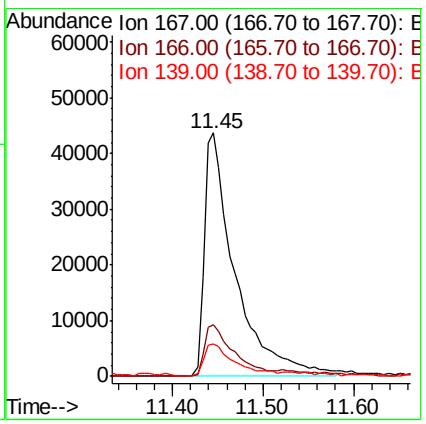


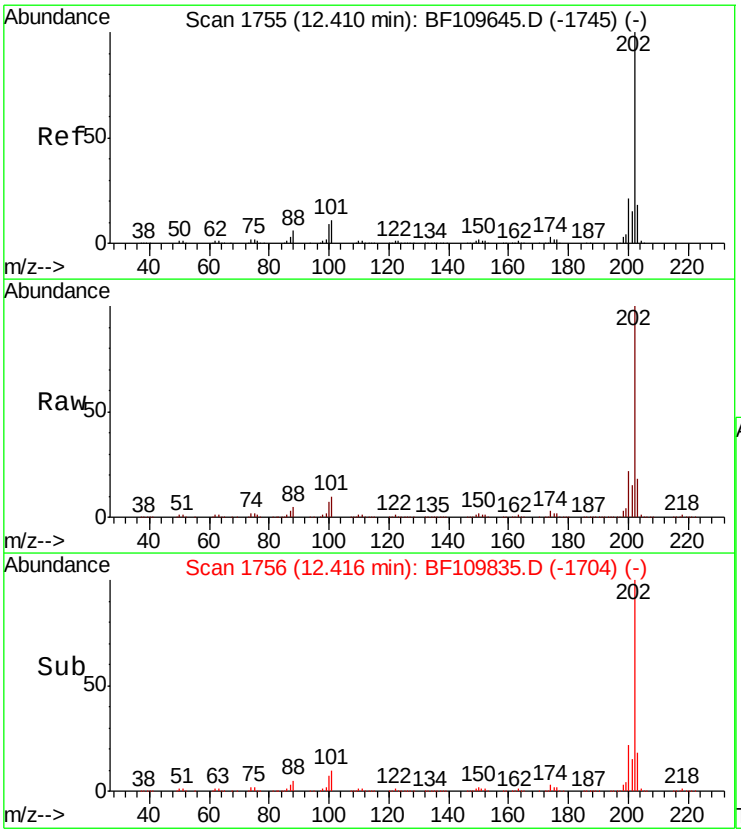
#72
Carbazole
Concen: 5.522 ng
RT: 11.45 min Scan# 1591
Delta R.T. 0.01 min
Lab File: BF109835.D
Acq: 12 Oct 2018 15:57

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:167 Resp: 103599

Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.4	26.0
139	13.2	10.9	16.3

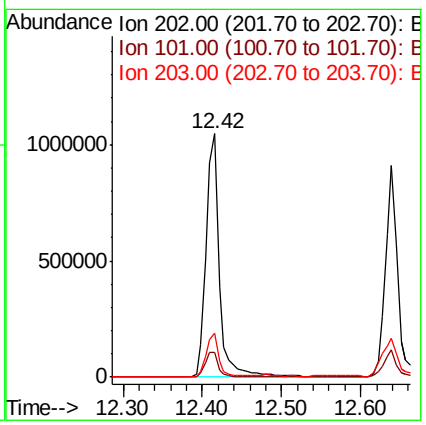


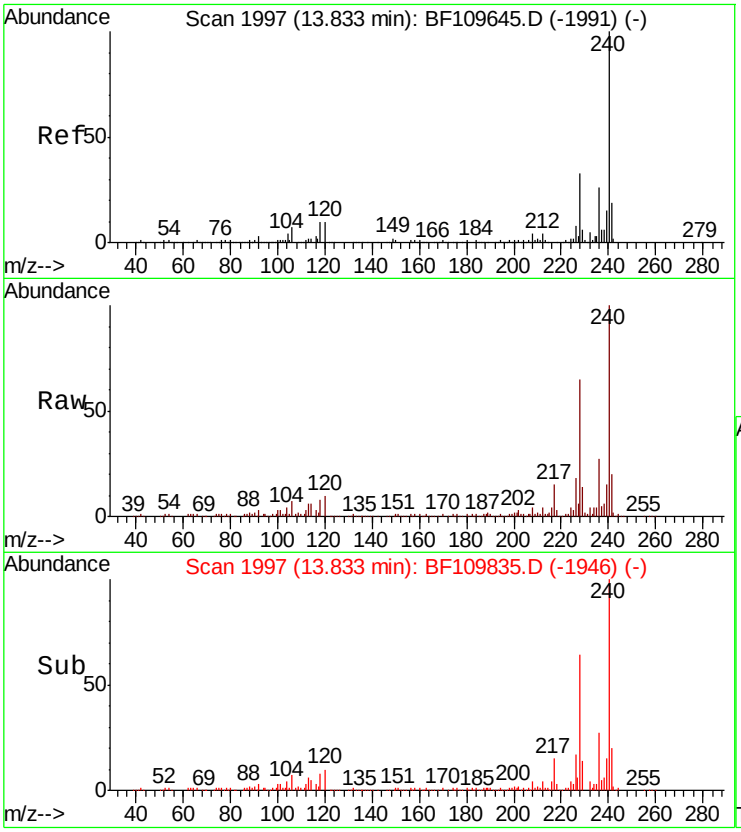


#74
Fluoranthene
Concen: 62.678 ng
RT: 12.42 min Scan# 1756
Delta R.T. 0.01 min
Lab File: BF109835.D
Acq: 12 Oct 2018 15:57

Tgt Ion:202 Resp: 1225231

Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	31.4
203	17.9	0.0	37.7



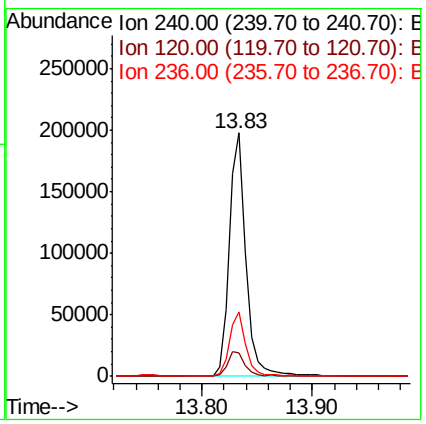


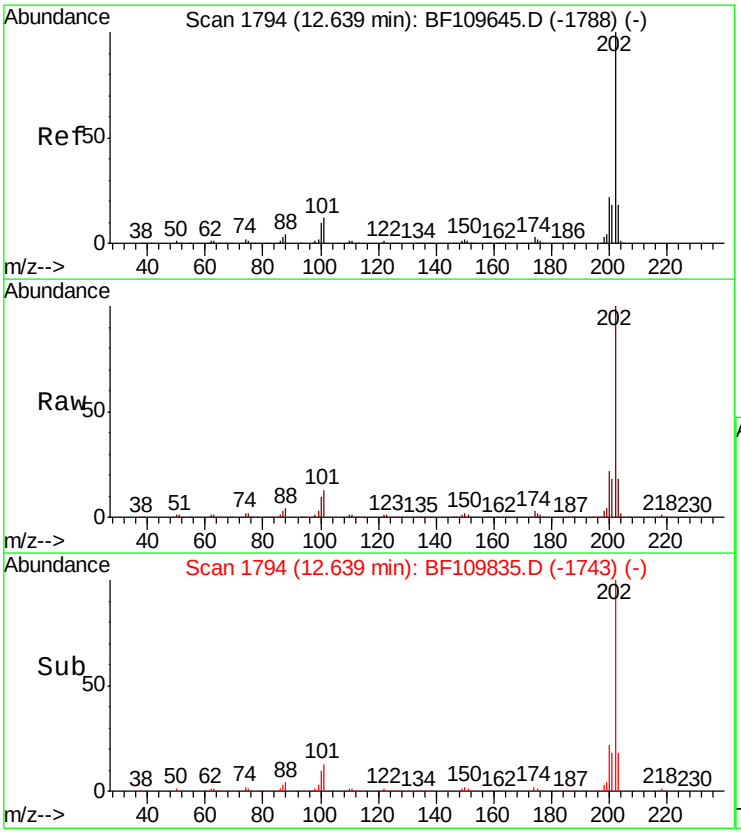
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.83 min Scan# 1997
Delta R.T. 0.00 min
Lab File: BF109835.D
Acq: 12 Oct 2018 15:57

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:240 Resp: 209815

Ion	Ratio	Lower	Upper
240	100		
120	9.5	8.3	12.5
236	26.7	21.2	31.8

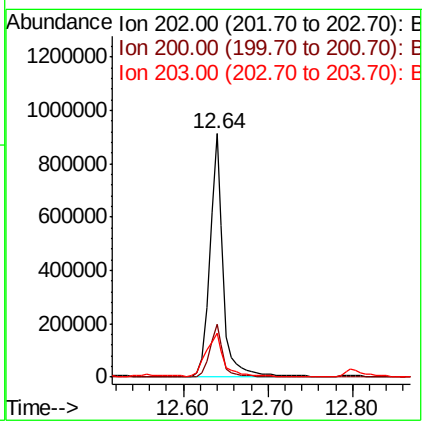


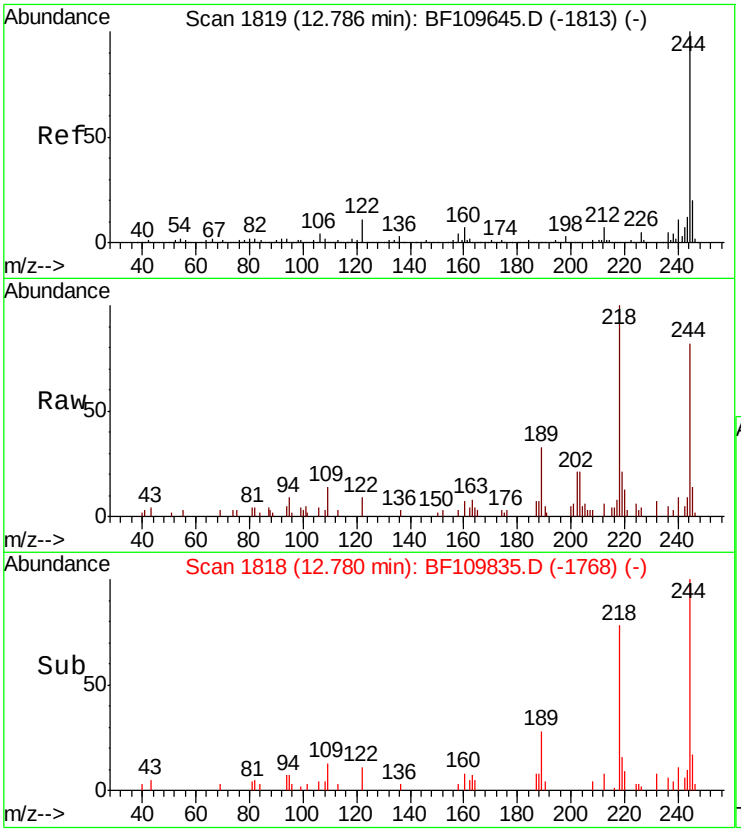


#77
Pyrene
Concen: 64.965 ng
RT: 12.64 min Scan# 1794
Delta R.T. 0.00 min
Lab File: BF109835.D
Acq: 12 Oct 2018 15:57

Tgt Ion:202 Resp: 998673

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.8	26.6
203	18.3	14.2	21.4



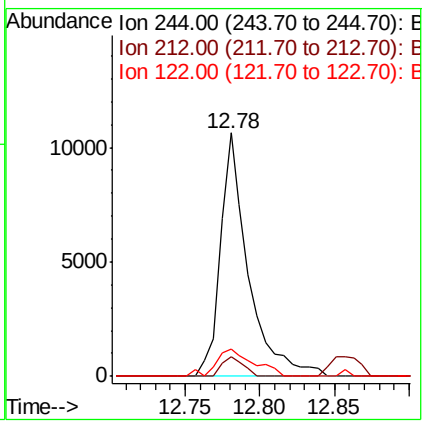


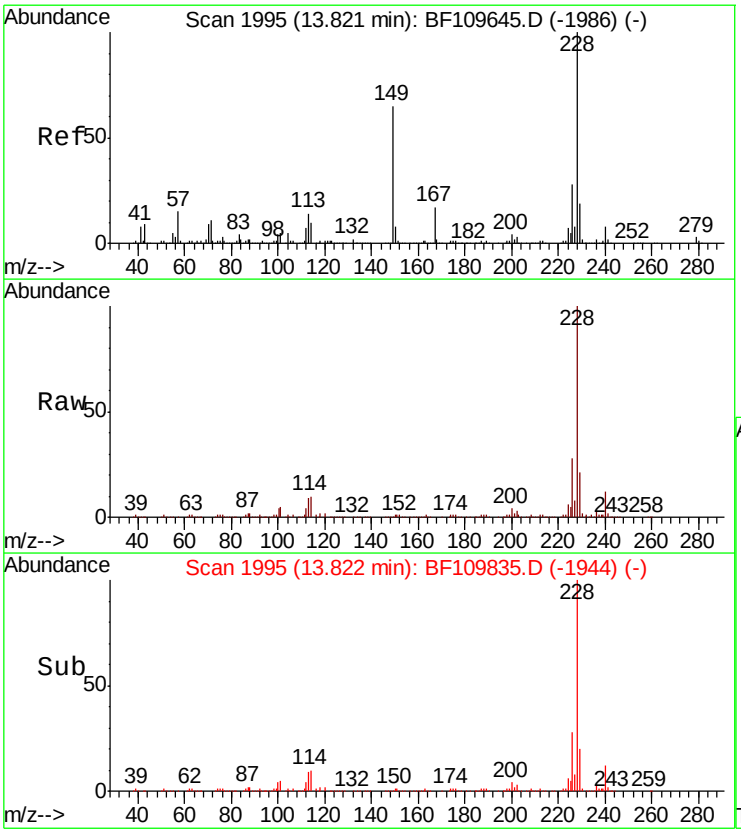
#78
Terphenyl-d14
Concen: 1.287 ng
RT: 12.78 min Scan# 1818
Delta R.T. -0.01 min
Lab File: BF109835.D
Acq: 12 Oct 2018 15:57

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:244 Resp: 13945

Ion	Ratio	Lower	Upper
244	100		
212	7.9	5.8	8.8
122	11.4	8.7	13.1

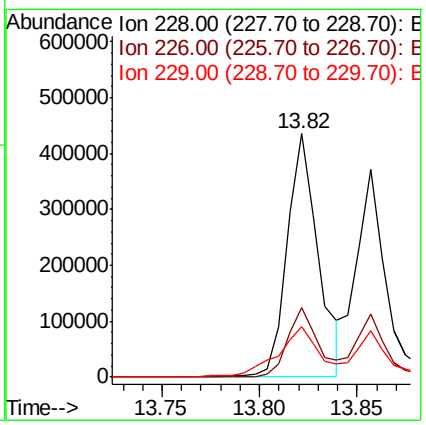


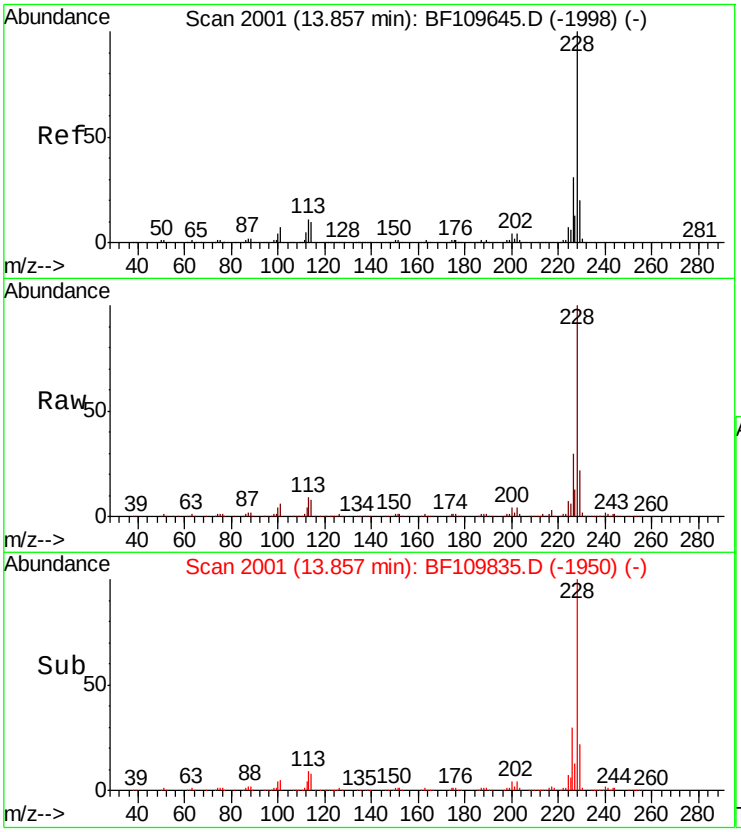


#80
Benzo(a)anthracene
Concen: 41.439 ng
RT: 13.82 min Scan# 1995
Delta R.T. 0.00 min
Lab File: BF109835.D
Acq: 12 Oct 2018 15:57

Tgt Ion:228 Resp: 479793

Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.1	33.1
229	20.6	15.6	23.4



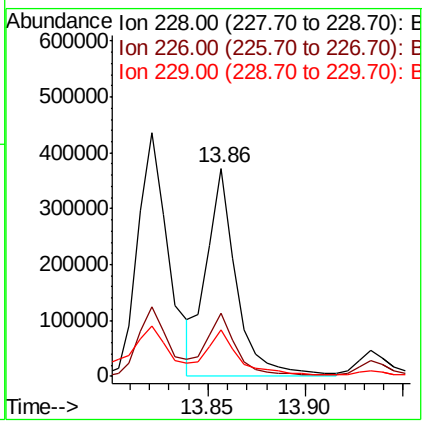


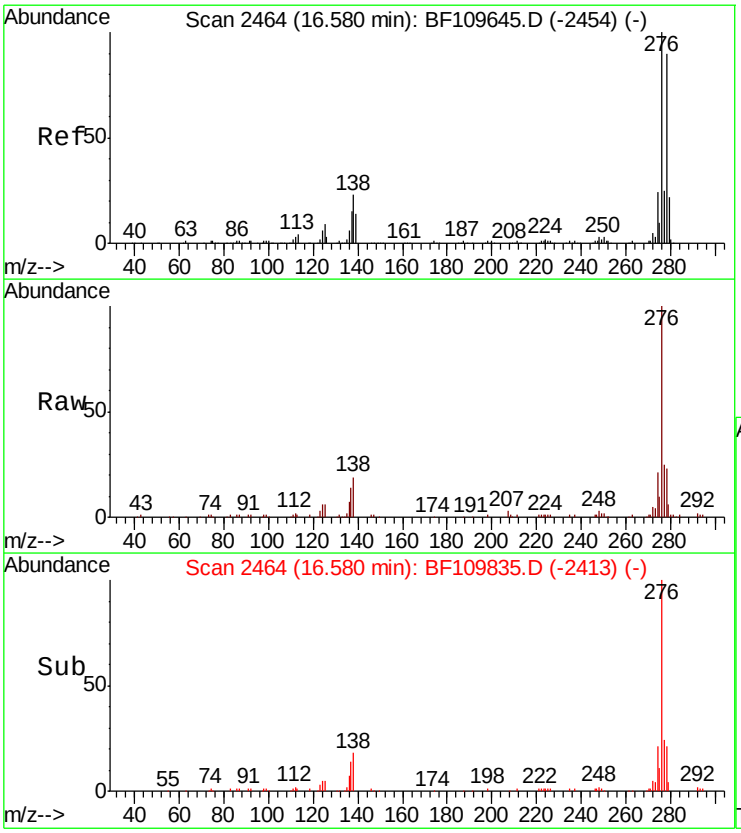
#82
Chrysene
Concen: 32.768 ng
RT: 13.86 min Scan# 2001
Delta R.T. 0.00 min
Lab File: BF109835.D
Acq: 12 Oct 2018 15:57

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:228 Resp: 398518

Ion	Ratio	Lower	Upper
228	100		
226	30.2	24.7	37.1
229	22.4	15.9	23.9

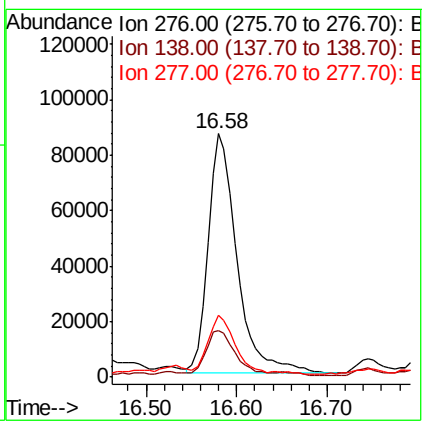


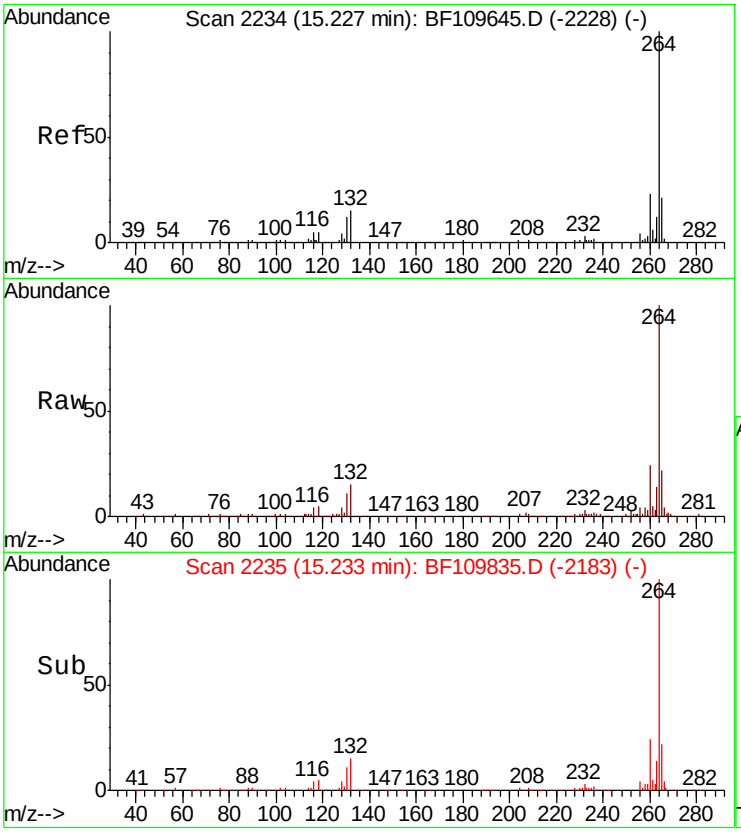


#85
Indeno(1,2,3-cd)pyrene
Concen: 21.951 ng
RT: 16.58 min Scan# 2464
Delta R.T. 0.00 min
Lab File: BF109835.D
Acq: 12 Oct 2018 15:57

Tgt Ion:276 Resp: 191082

Ion	Ratio	Lower	Upper
276	100		
138	17.5	18.5	27.7#
277	20.7	20.0	30.0



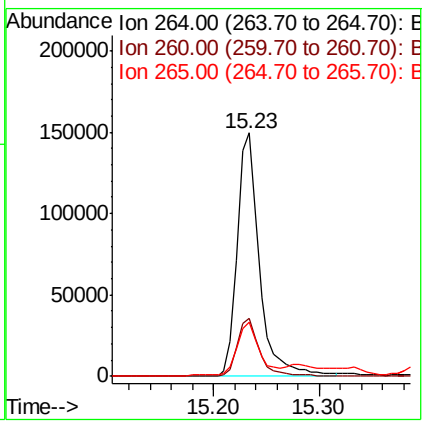


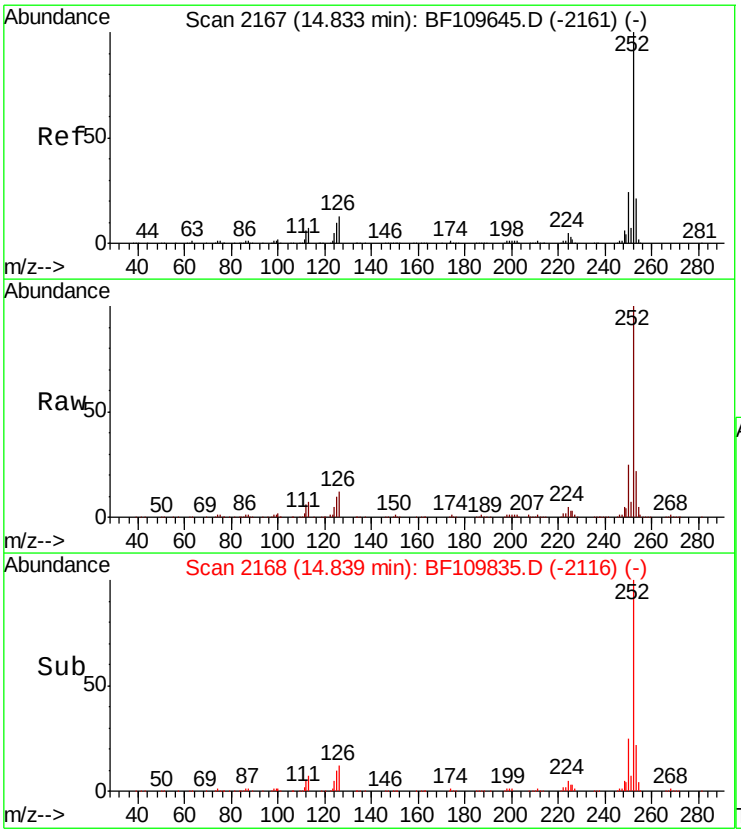
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.23 min Scan# 2235
Delta R.T. 0.01 min
Lab File: BF109835.D
Acq: 12 Oct 2018 15:57

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:264 Resp: 216341

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.7	28.1
265	22.1	16.7	25.1

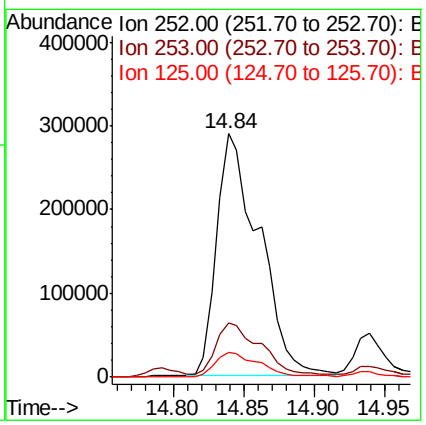


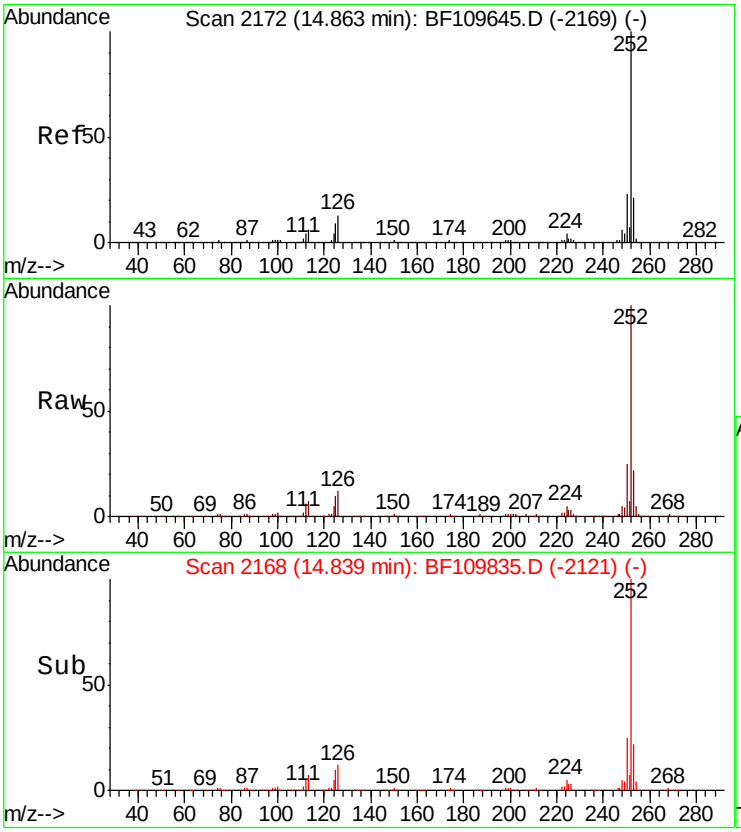


#87
Benzo(b)fluoranthene
Concen: 51.006 ng
RT: 14.84 min Scan# 2168
Delta R.T. 0.01 min
Lab File: BF109835.D
Acq: 12 Oct 2018 15:57

Tgt Ion:252 Resp: 609798

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.2	25.8
125	10.1	8.2	12.4



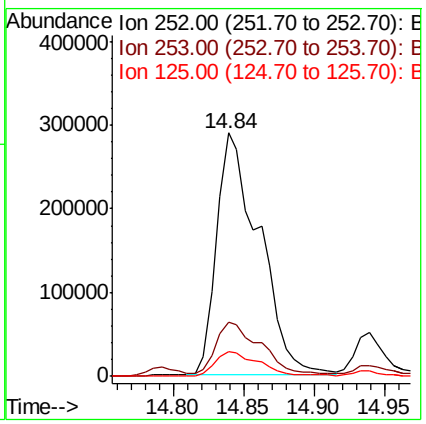


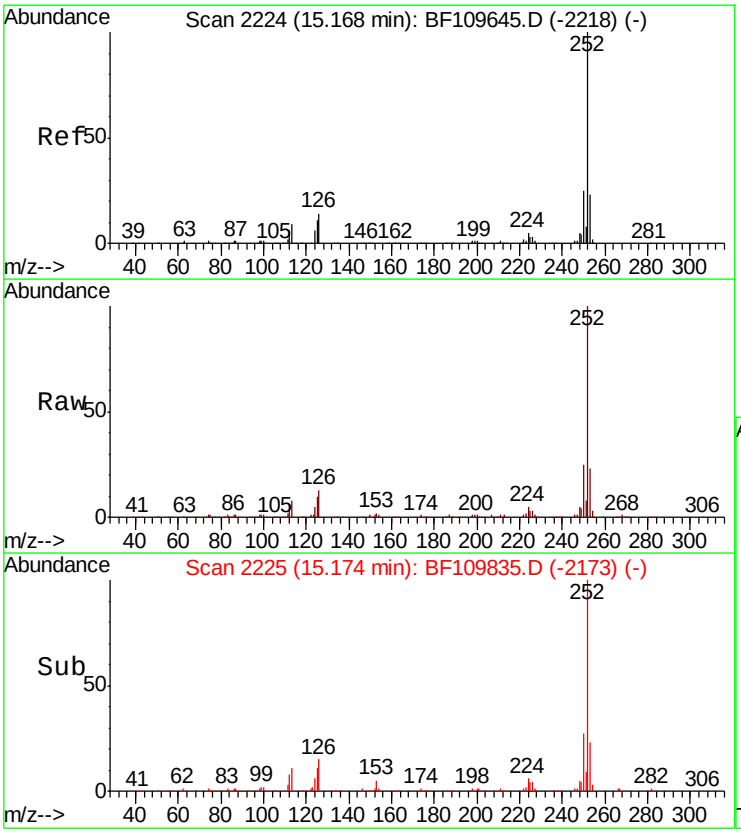
#88
Benzo(k)fluoranthene
Concen: 50.765 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.02 min
Lab File: BF109835.D
Acq: 12 Oct 2018 15:57

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 609798

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.2	25.8
125	10.1	7.4	11.0

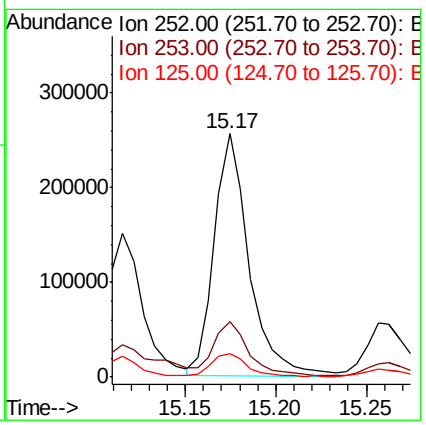


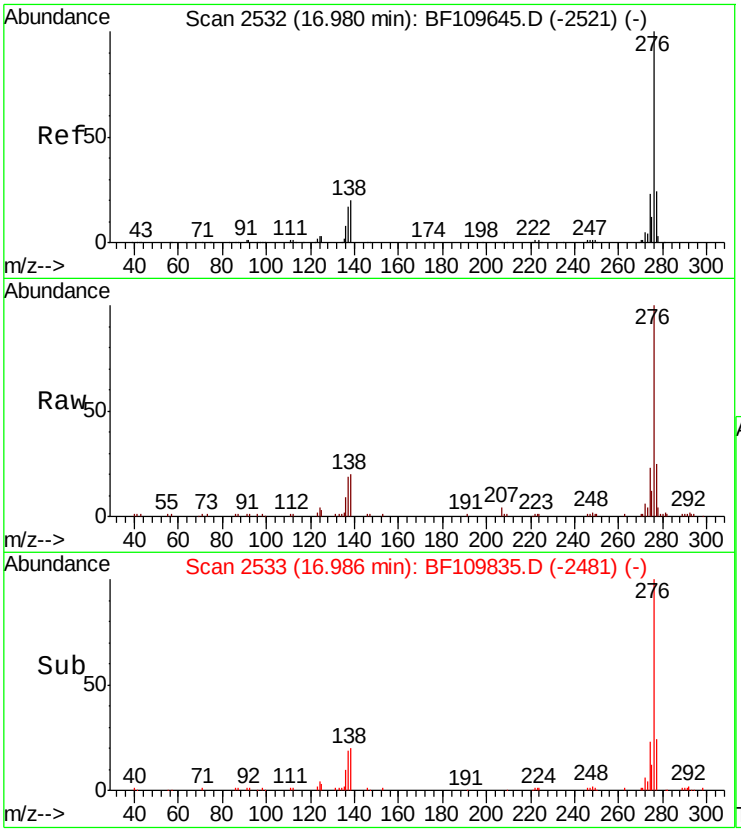


#89
Benzo(a)pyrene
Concen: 31.619 ng
RT: 15.17 min Scan# 2225
Delta R.T. 0.01 min
Lab File: BF109835.D
Acq: 12 Oct 2018 15:57

Tgt Ion:252 Resp: 343046

Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.4
125	9.8	9.0	13.6





#91
Benzo(g,h,i)perylene
Concen: 18.430 ng
RT: 16.99 min Scan# 2533
Delta R.T. 0.01 min
Lab File: BF109835.D
Acq: 12 Oct 2018 15:57

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:276 Resp: 163986

Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.8	28.2
138	20.2	16.0	24.0