Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091415\
Data File : BF081610.D
Acq On : 14 Sep 2015 16:24
Operator : UM/IZ
Sample : G3597-04 5X
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : GP-4(0-5)

Quant Time: Sep 15 02:03:42 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 14 13:51:56 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.23	152	58936	20.00	ng		0.00
21) Naphthalene-d8	11.13	136	243781	20.00	ng		0.00
38) Acenaphthene-d10	15.27	164	111944	20.00	ng		0.00
63) Phenanthrene-d10	18.78	188	203616	20.00	ng		0.01
75) Chrysene-d12	23.40	240	117392	20.00	ng		0.00
86) Perylene-d12	24.84	264	110562	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.39	112	19971	5.26	ng		0.02
7) Phenol-d6	7.65	99	115678	23.01	ng		-0.01
23) Nitrobenzene-d5	9.52	82	90383	17.89	ng		-0.02
41) 2,4,6-Tribromophenol	17.17	330	917	0.92	ng		-0.01
44) 2-Fluorobiphenyl	13.77	172	164561	18.84	ng		-0.01
78) Terphenyl-d14	22.12	244	102183	20.26	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	11.18	128	166282	12.79	ng		99
37) 2-Methylnaphthalene	12.84	142	61075	7.22	ng	#	86
49) Dimethylphthalate	14.82	163	32209	3.70	ng	#	97
51) Acenaphthene	15.34	154	52159	6.95	ng		87
54) Dibenzofuran	15.76	168	76356	6.97	ng	#	87
57) Fluorene	16.57	166	95157	11.44	ng		94
70) Phenanthrene	18.85	178	824302	72.82	ng		97
71) Anthracene	18.95	178	206803	17.78	ng		99
72) Carbazole	19.42	167	56421	5.17	ng		96
74) Fluoranthene	21.45	202	558438	45.57	ng		88
77) Pyrene	21.80	202	499380	57.43	ng	#	93
80) Benzo(a)anthracene	23.38	228	198132	26.50	ng		95
82) Chrysene	23.43	228	161201	24.05	ng		93
85) Indeno(1,2,3-cd)pyrene	25.89	276	57436	11.68	ng	#	80
87) Benzo(b)fluoranthene	24.49	252	166622m	21.11	ng		
88) Benzo(k)fluoranthene	24.52	252	56301m	8.60	ng		
89) Benzo(a)pyrene	24.78	252	127962	19.13	ng	#	88
90) Dibenzo(a,h)anthracene	25.89	278	15477m	2.99	ng		
91) Benzo(g,h,i)perylene	26.18	276	48812	9.90	ng	#	74

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

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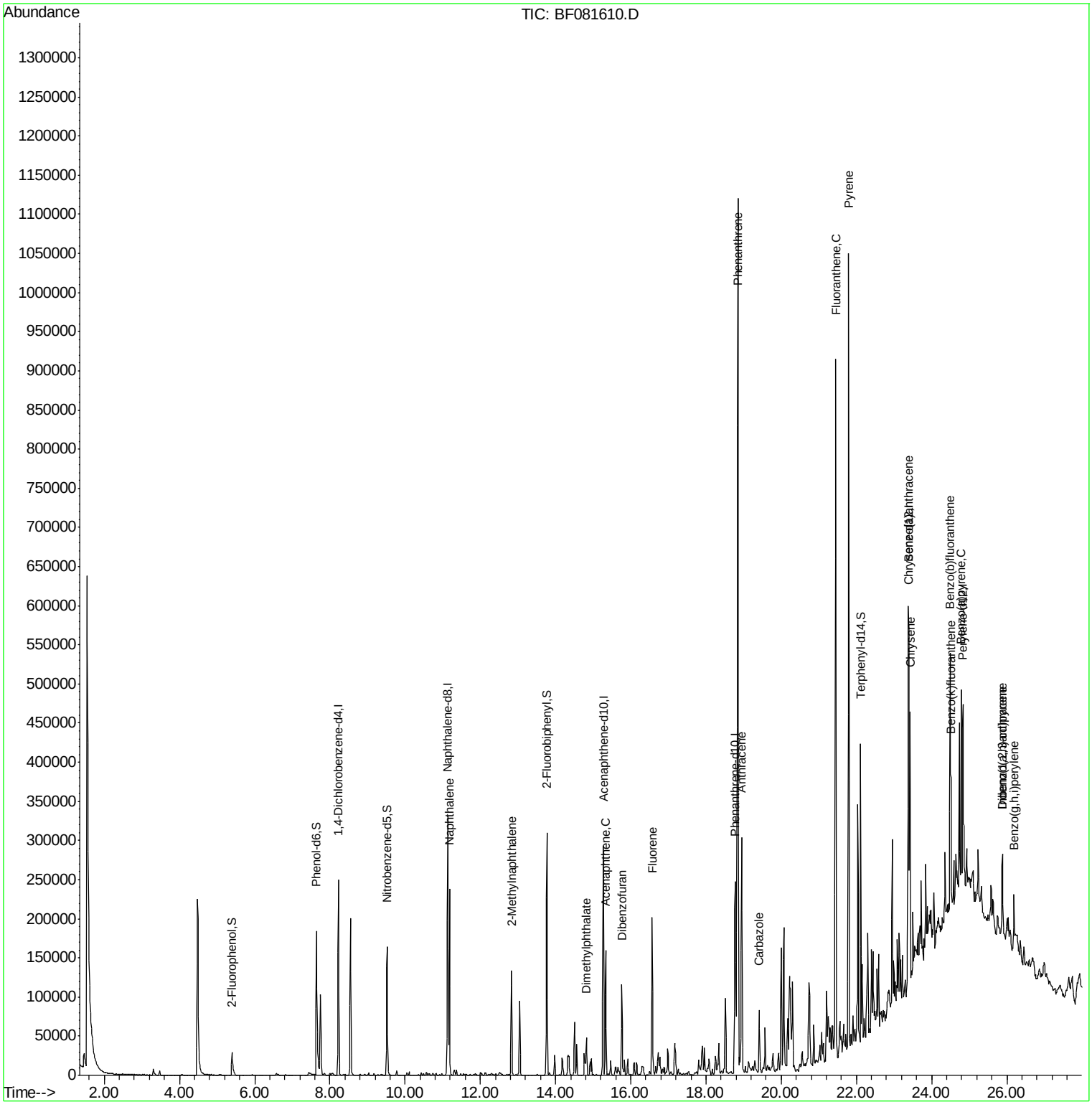
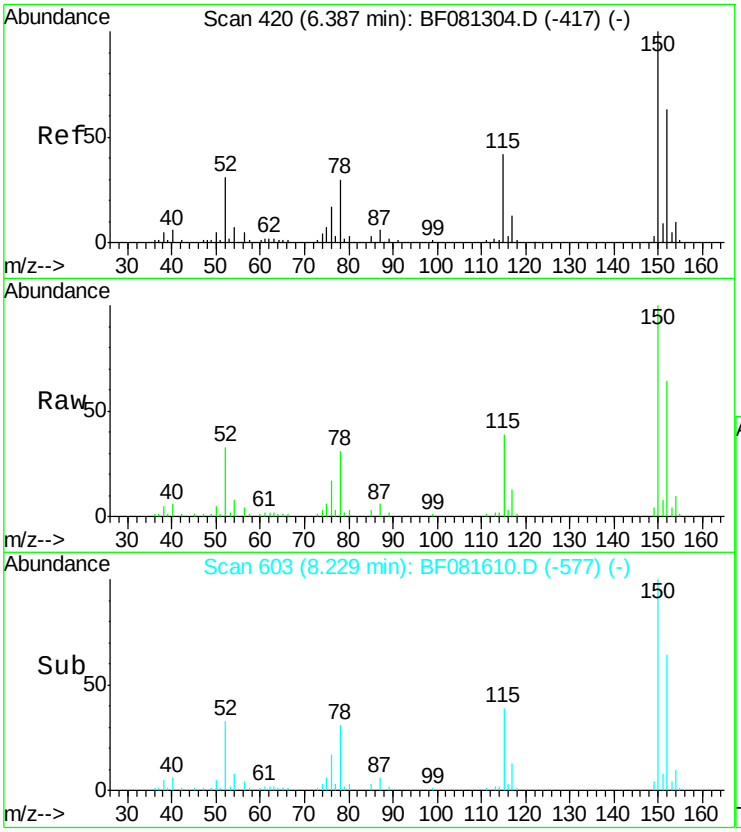


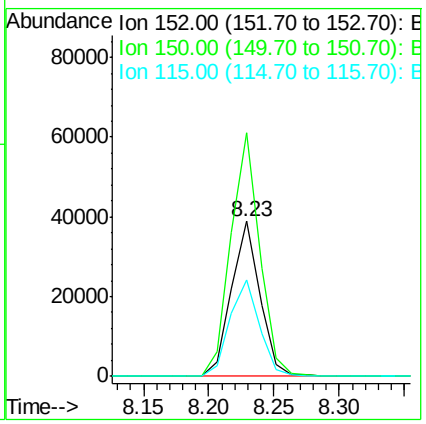


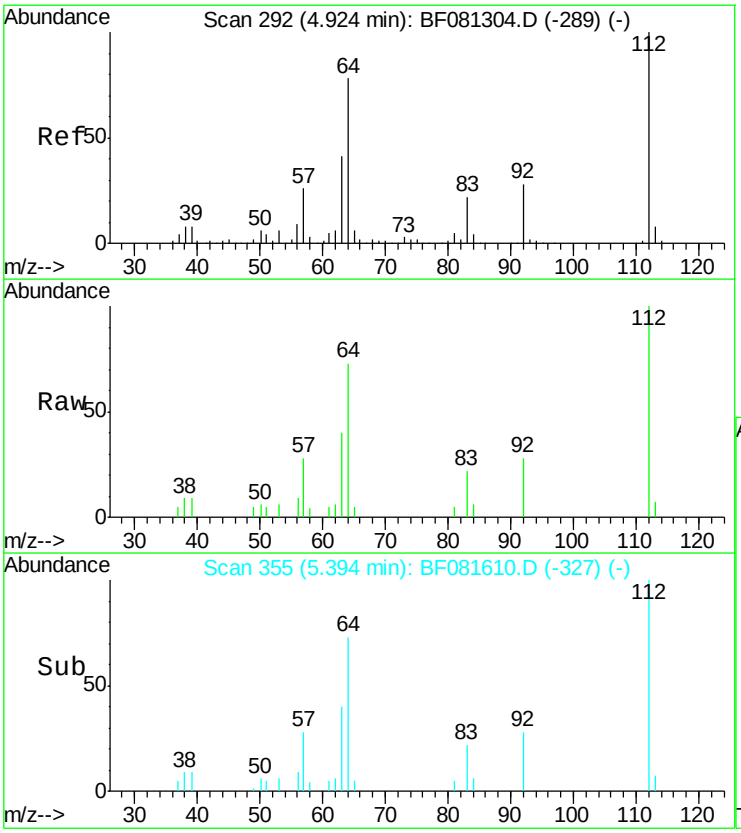
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.23 min Scan# 603
Delta R.T. -0.00 min
Lab File: BF081610.D
Acq: 14 Sep 2015 16:24

Instrument :
BNA_F
ClientSampleId :
GP-4(0-5)

Tgt Ion:152 Resp: 58936

Ion	Ratio	Lower	Upper
152	100		
150	157.4	124.7	187.1
115	62.0	39.0	58.4#

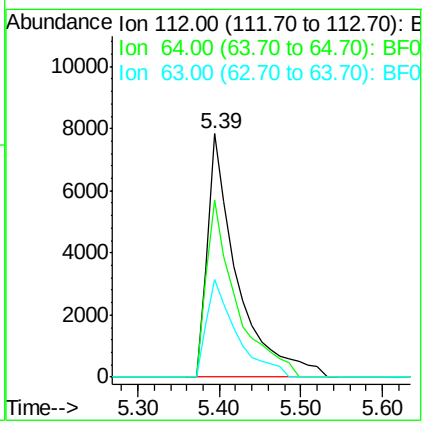


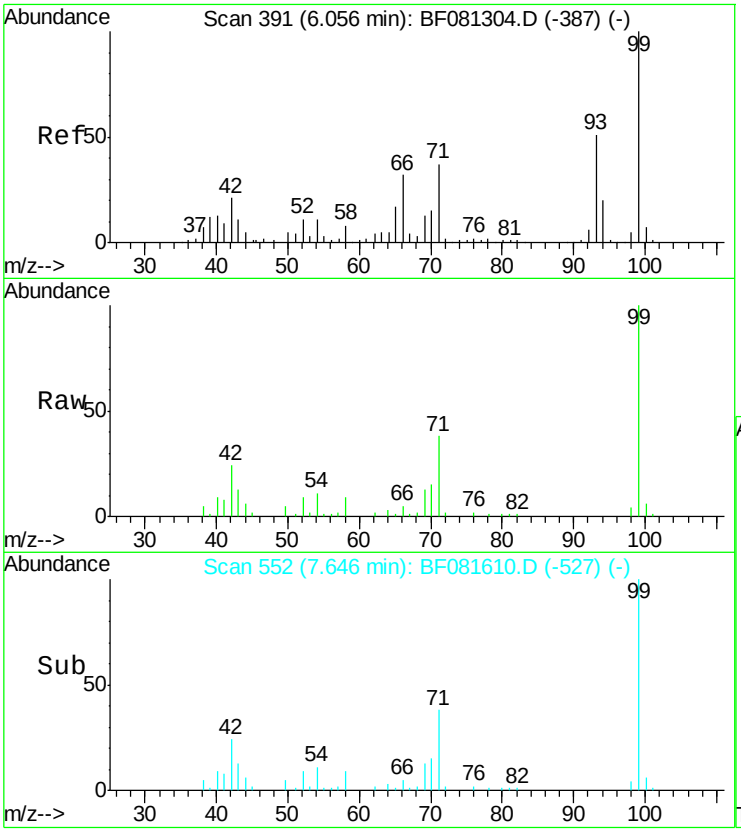


#5
2-Fluorophenol
Concen: 5.26 ng
RT: 5.39 min Scan# 355
Delta R.T. 0.02 min
Lab File: BF081610.D
Acq: 14 Sep 2015 16:24

Tgt Ion:112 Resp: 19971

Ion	Ratio	Lower	Upper
112	100		
64	73.0	39.7	59.5#
63	39.9	17.4	26.0#



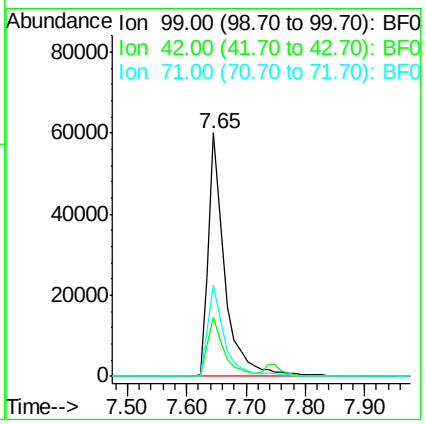


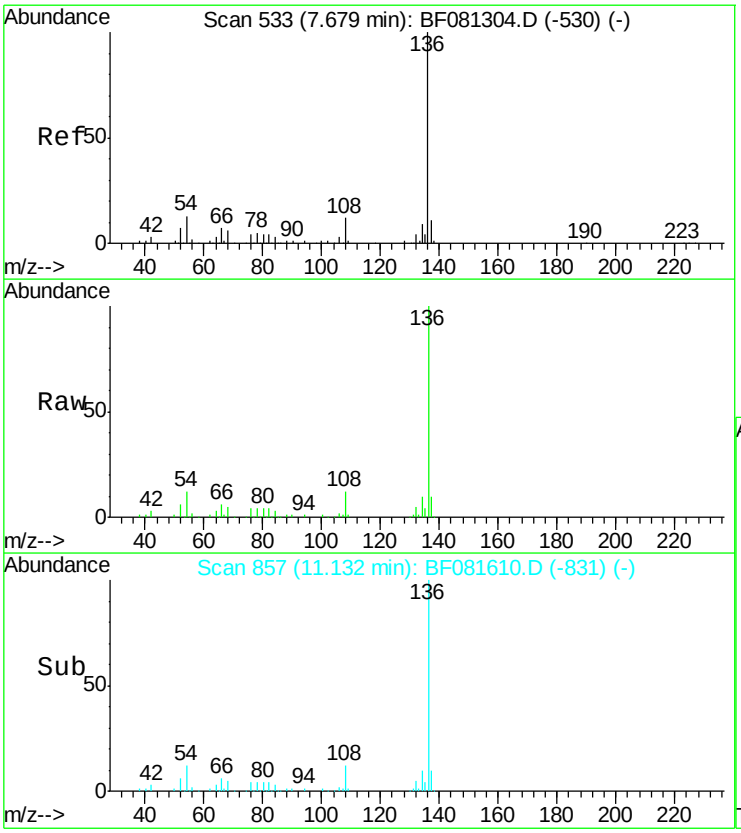
#7
Phenol-d6
Concen: 23.01 ng
RT: 7.65 min Scan# 552
Delta R.T. -0.01 min
Lab File: BF081610.D
Acq: 14 Sep 2015 16:24

Instrument :
BNA_F
ClientSampleId :
GP-4(0-5)

Tgt Ion: 99 Resp: 115678

Ion	Ratio	Lower	Upper
99	100		
42	24.2	13.7	20.5#
71	37.7	14.2	21.2#

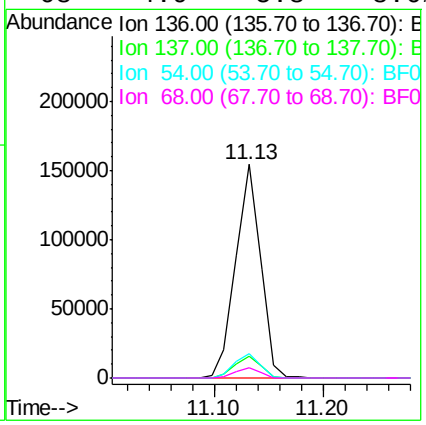


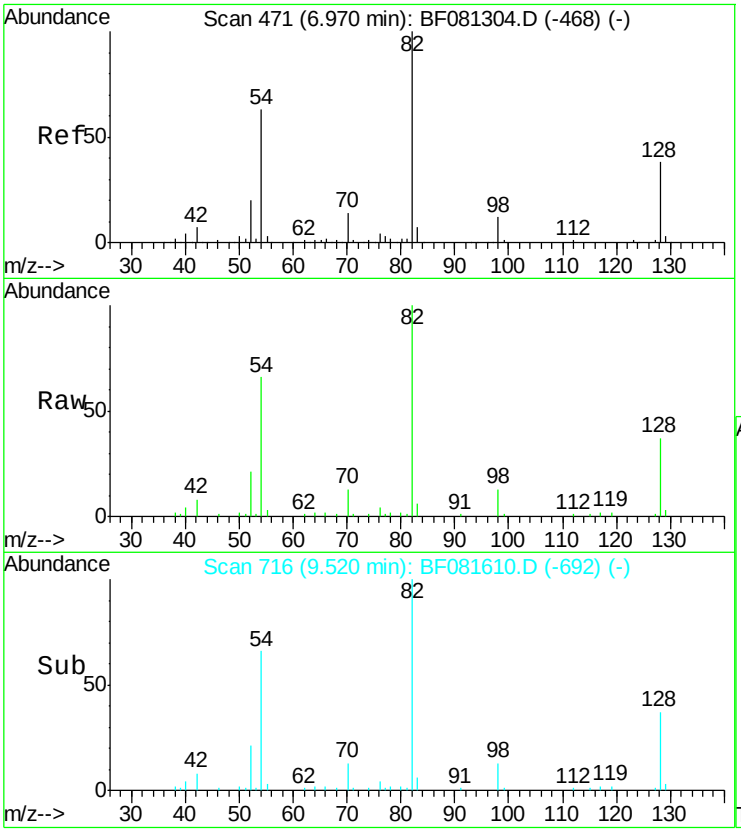


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.13 min Scan# 857
Delta R.T. -0.00 min
Lab File: BF081610.D
Acq: 14 Sep 2015 16:24

Tgt Ion:136 Resp: 243781

Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.0	13.6
54	11.6	8.2	12.2
68	4.9	5.8	8.6#



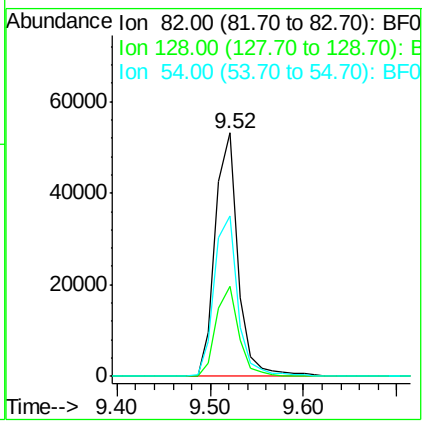


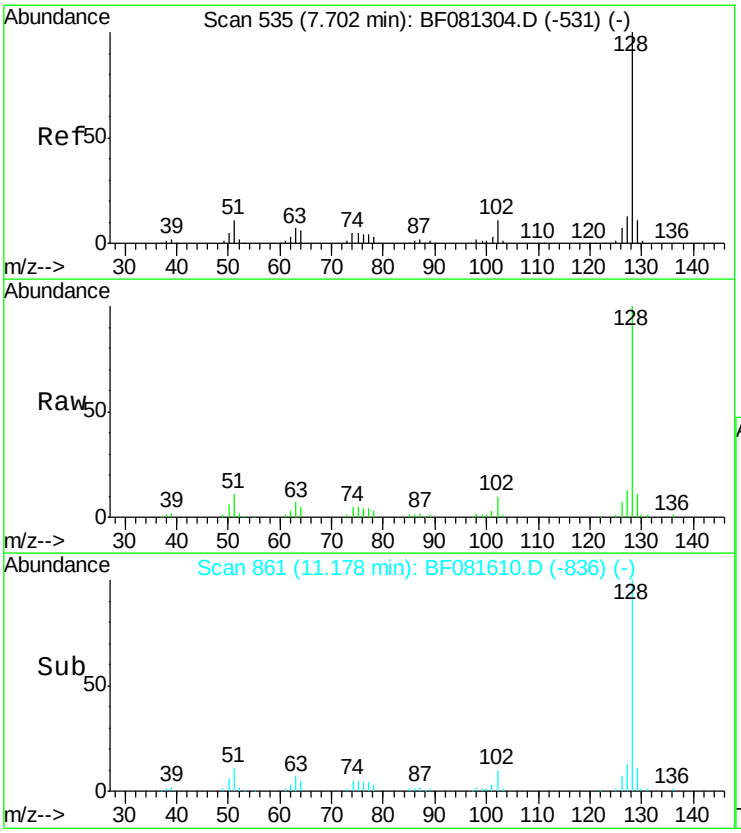
#23
Nitrobenzene-d5
Concen: 17.89 ng
RT: 9.52 min Scan# 716
Delta R.T. -0.02 min
Lab File: BF081610.D
Acq: 14 Sep 2015 16:24

Instrument :
BNA_F
ClientSampleId :
GP-4(0-5)

Tgt Ion: 82 Resp: 90383

Ion	Ratio	Lower	Upper
82	100		
128	37.1	51.0	76.6#
54	65.8	47.5	71.3

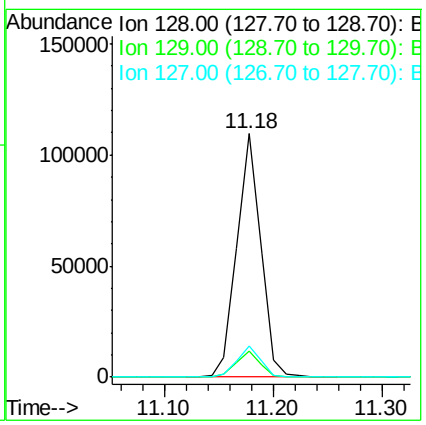


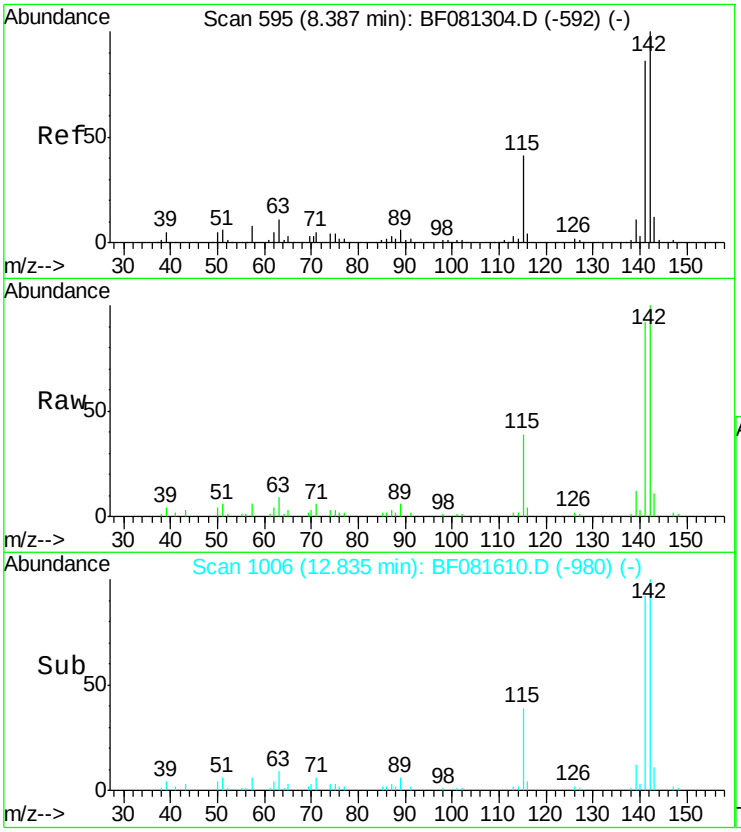


#31
Naphthalene
Concen: 12.79 ng
RT: 11.18 min Scan# 861
Delta R.T. -0.01 min
Lab File: BF081610.D
Acq: 14 Sep 2015 16:24

Tgt Ion:128 Resp: 166282

Ion	Ratio	Lower	Upper
128	100		
129	10.8	8.4	12.6
127	12.7	9.9	14.9



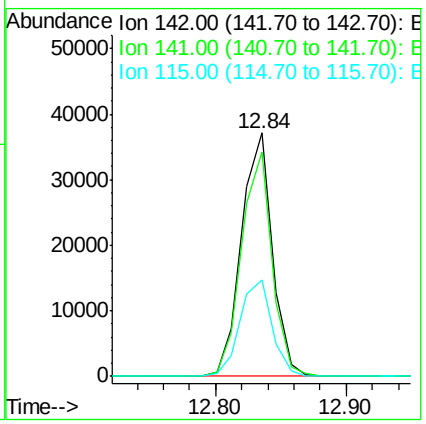


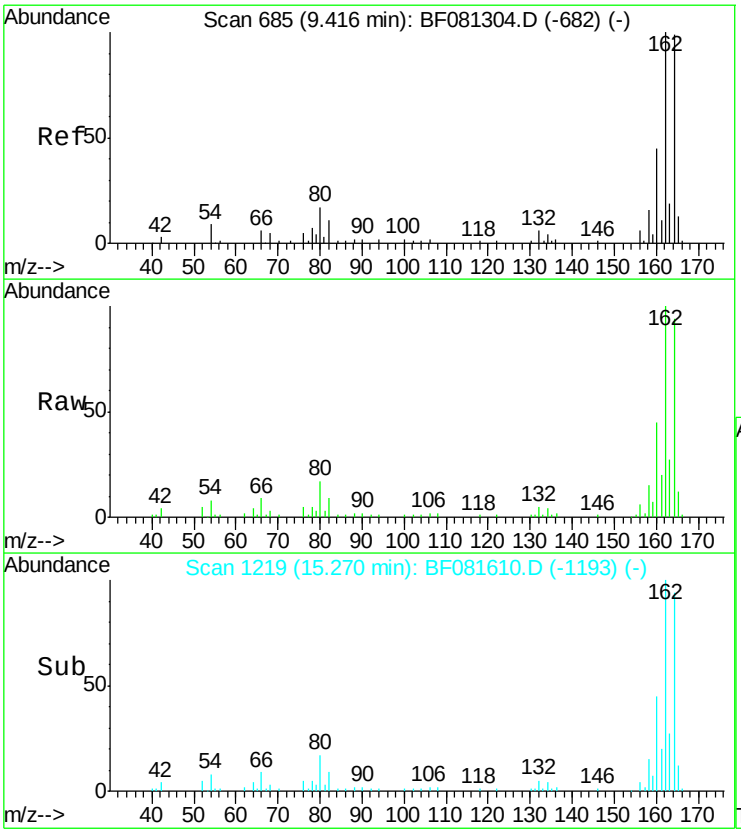
#37
2-Methylnaphthalene
Concen: 7.22 ng
RT: 12.84 min Scan# 1006
Delta R.T. -0.00 min
Lab File: BF081610.D
Acq: 14 Sep 2015 16:24

Instrument :
BNA_F
ClientSampleId :
GP-4(0-5)

Tgt Ion:142 Resp: 61075

Ion	Ratio	Lower	Upper
142	100		
141	92.0	67.5	101.3
115	39.5	18.2	27.2#

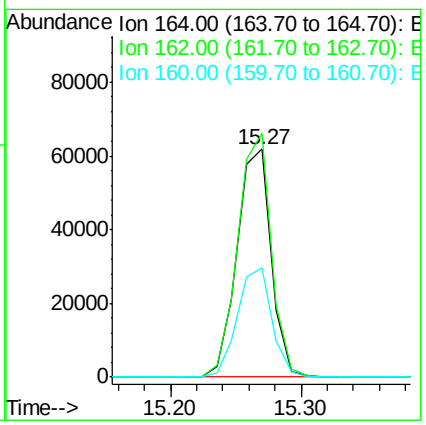


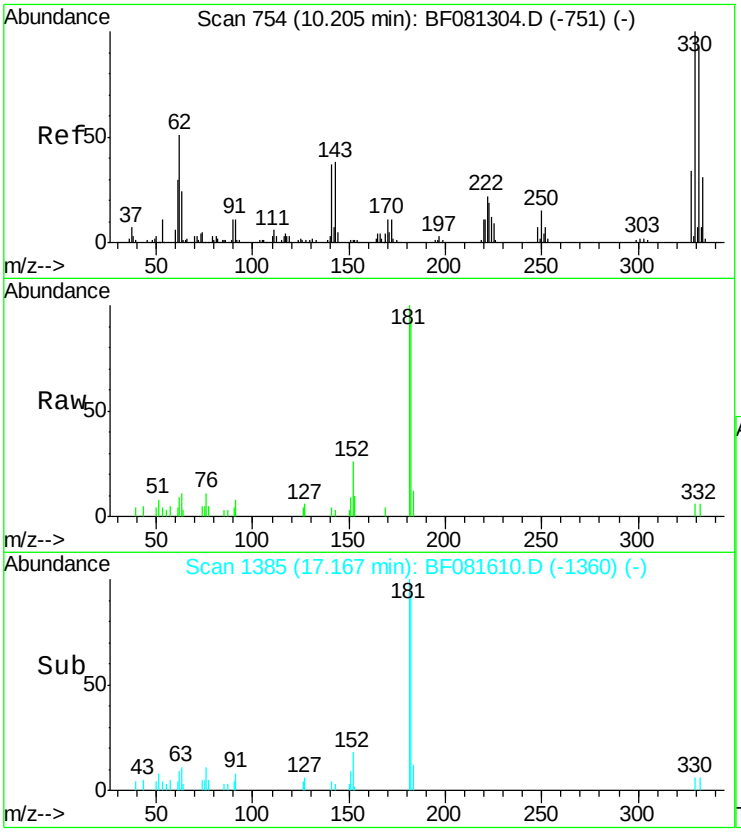


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.27 min Scan# 1219
Delta R.T. -0.00 min
Lab File: BF081610.D
Acq: 14 Sep 2015 16:24

Tgt Ion:164 Resp: 111944

Ion	Ratio	Lower	Upper
164	100		
162	106.9	75.2	112.8
160	47.7	31.5	47.3#



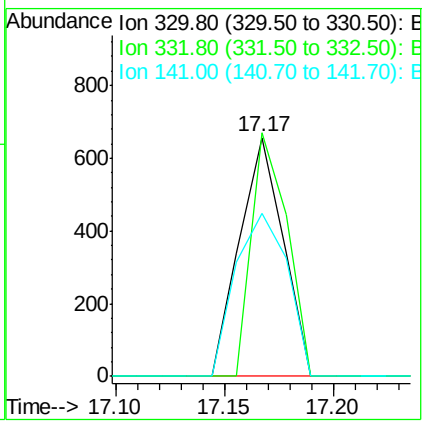


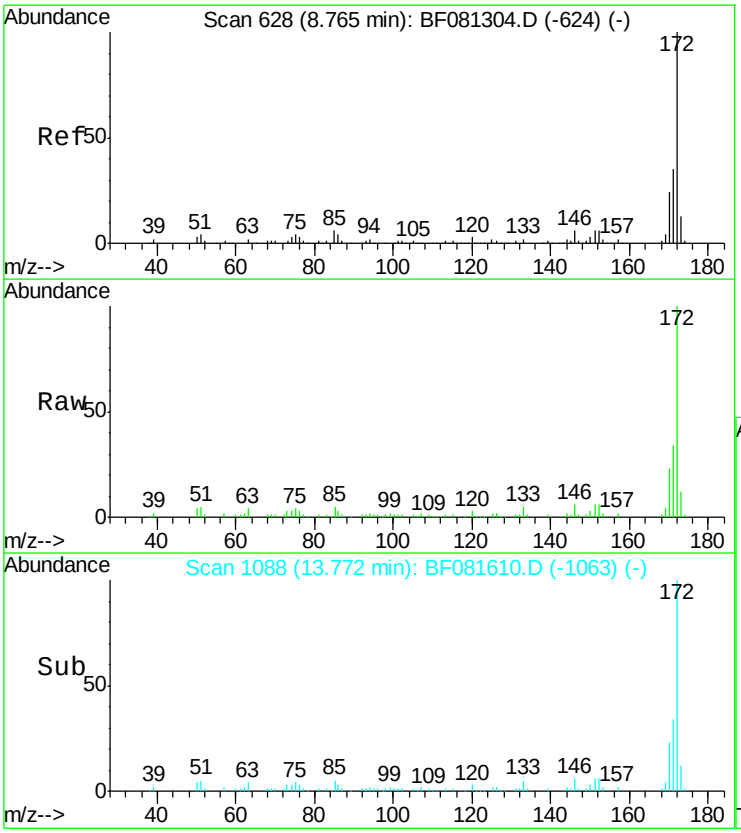
#41
2,4,6-Tribromophenol
Concen: 0.92 ng
RT: 17.17 min Scan# 1385
Delta R.T. -0.01 min
Lab File: BF081610.D
Acq: 14 Sep 2015 16:24

Instrument :
BNA_F
ClientSampleId :
GP-4(0-5)

Tgt Ion:330 Resp: 917

Ion	Ratio	Lower	Upper
330	100		
332	83.3	76.6	114.8
141	81.5	29.7	44.5#

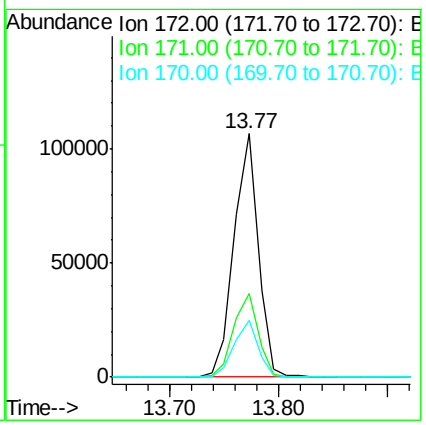


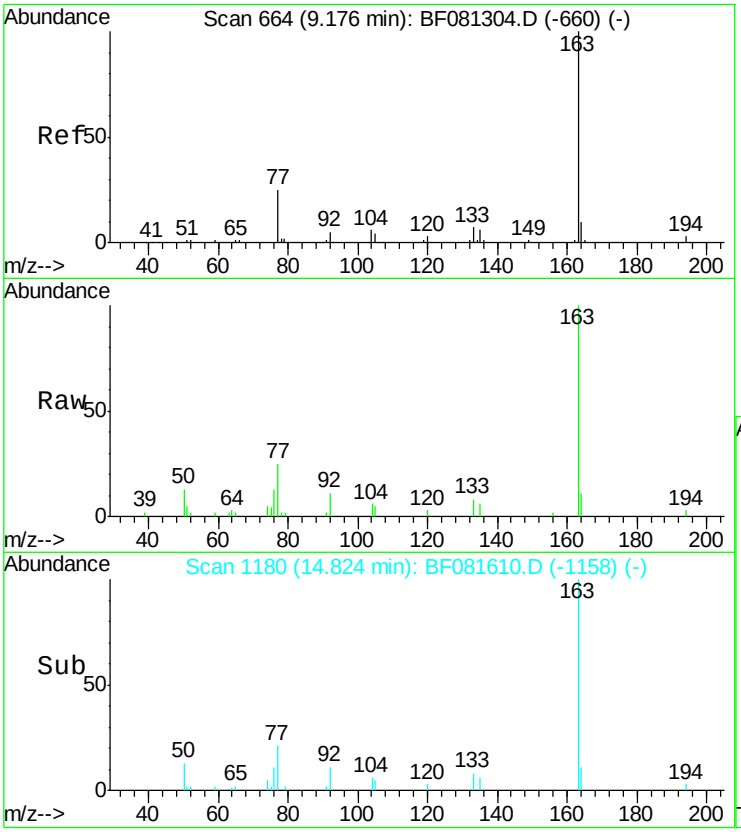


#44
2-Fluorobiphenyl
Concen: 18.84 ng
RT: 13.77 min Scan# 1088
Delta R.T. -0.01 min
Lab File: BF081610.D
Acq: 14 Sep 2015 16:24

Tgt Ion:172 Resp: 164561

Ion	Ratio	Lower	Upper
172	100		
171	34.2	26.1	39.1
170	23.4	17.4	26.2



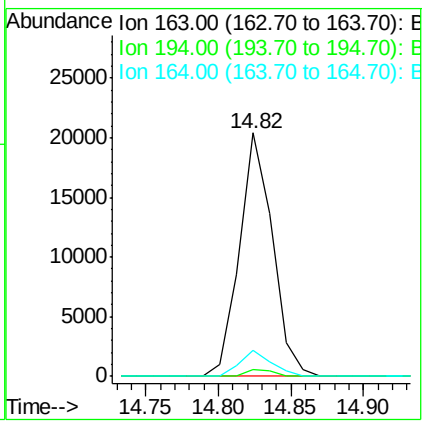


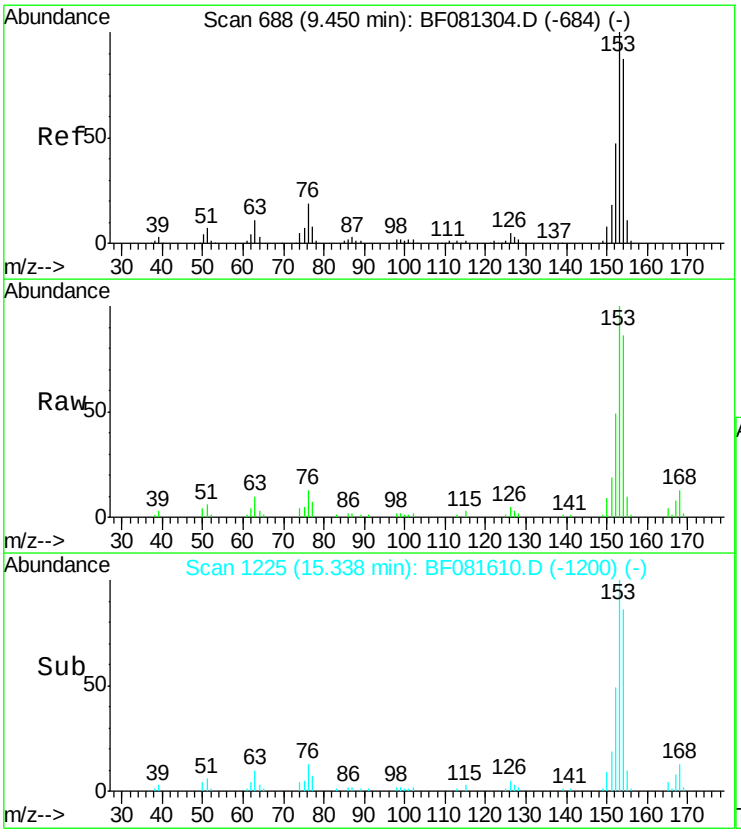
#49
Dimethylphthalate
Concen: 3.70 ng
RT: 14.82 min Scan# 1180
Delta R.T. -0.05 min
Lab File: BF081610.D
Acq: 14 Sep 2015 16:24

Instrument :
BNA_F
ClientSampleId :
GP-4(0-5)

Tgt Ion:163 Resp: 32209

Ion	Ratio	Lower	Upper
163	100		
194	2.9	4.4	6.6#
164	10.6	8.3	12.5

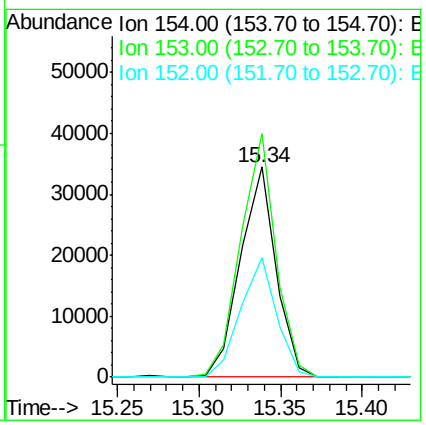


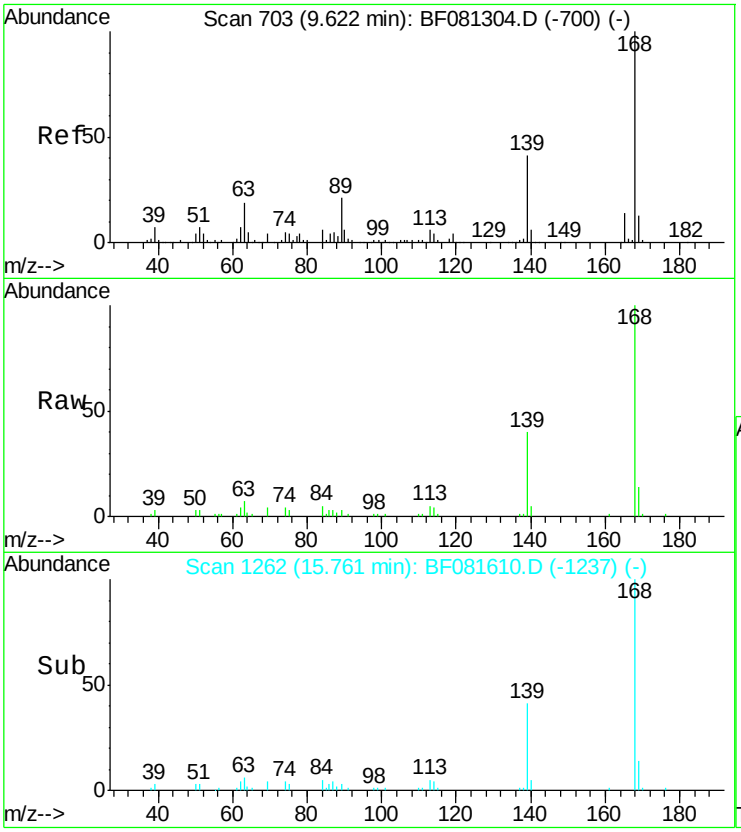


#51
Acenaphthene
Concen: 6.95 ng
RT: 15.34 min Scan# 1225
Delta R.T. -0.01 min
Lab File: BF081610.D
Acq: 14 Sep 2015 16:24

Tgt Ion:154 Resp: 52159

Ion	Ratio	Lower	Upper
154	100		
153	116.0	82.1	123.1
152	56.7	37.9	56.9



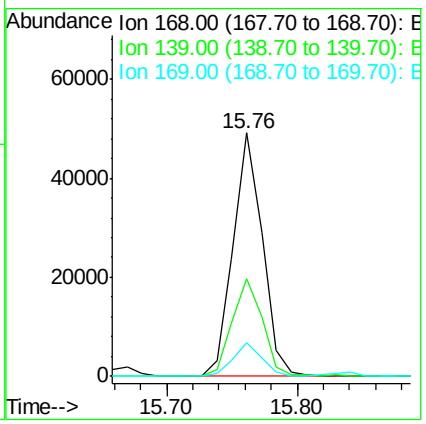


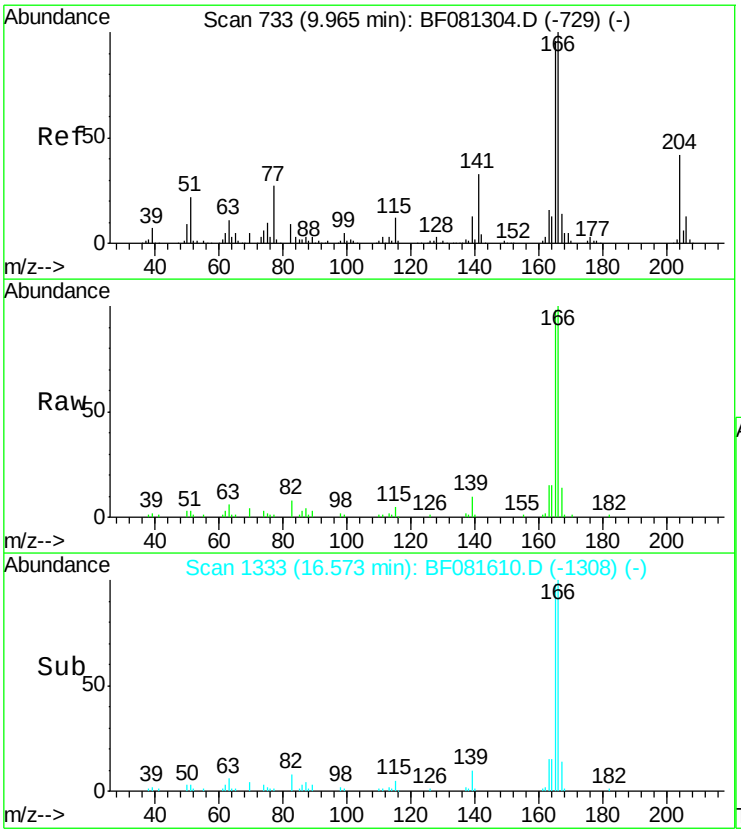
#54
Dibenzofuran
Concen: 6.97 ng
RT: 15.76 min Scan# 1262
Delta R.T. -0.01 min
Lab File: BF081610.D
Acq: 14 Sep 2015 16:24

Instrument :
BNA_F
ClientSampleId :
GP-4(0-5)

Tgt Ion:168 Resp: 76356

Ion	Ratio	Lower	Upper
168	100		
139	40.1	24.2	36.2#
169	14.0	10.6	15.8

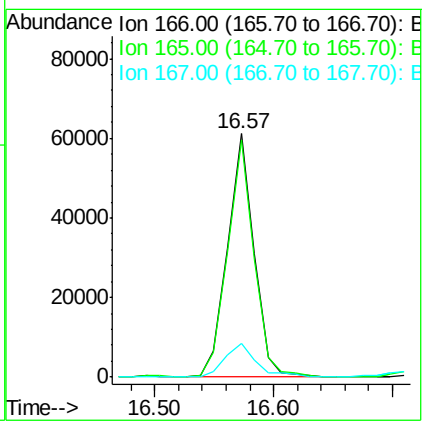


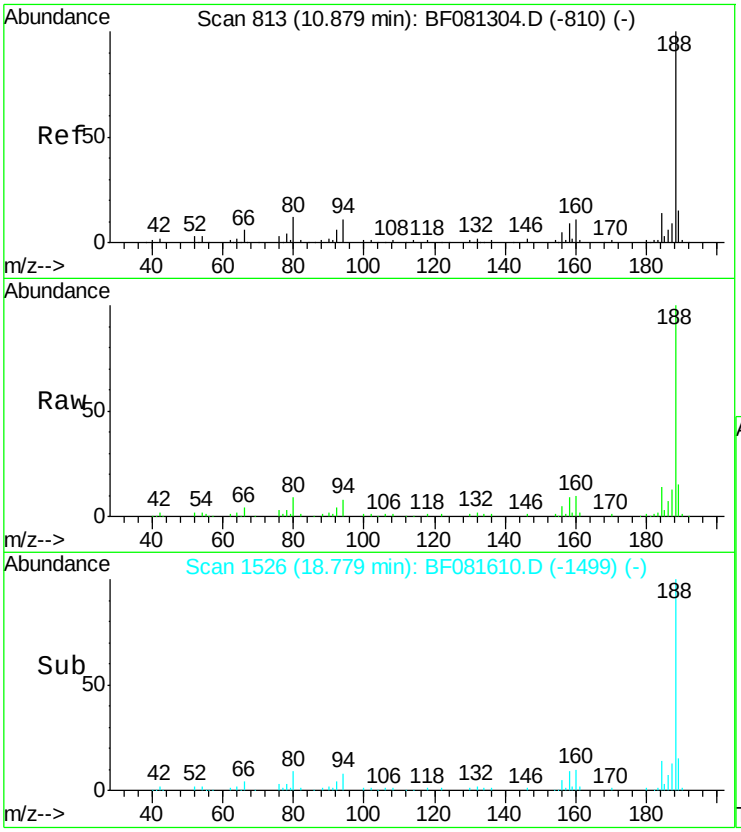


#57
Fluorene
Concen: 11.44 ng
RT: 16.57 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF081610.D
Acq: 14 Sep 2015 16:24

Tgt Ion:166 Resp: 95157

Ion	Ratio	Lower	Upper
166	100		
165	97.7	72.6	109.0
167	13.6	10.6	16.0



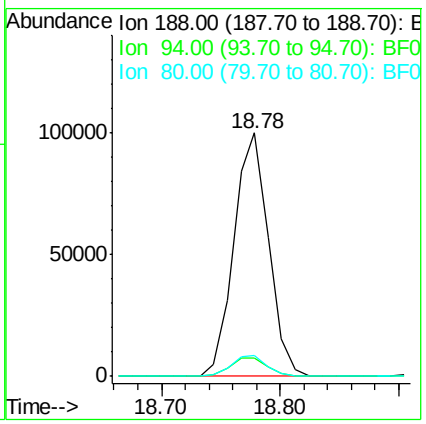


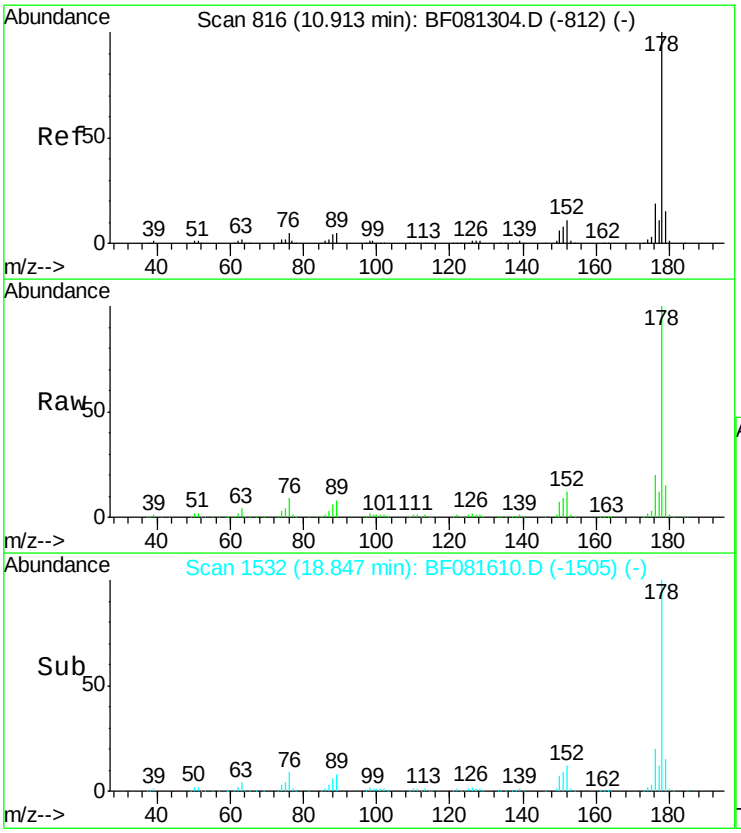
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.78 min Scan# 1526
Delta R.T. 0.01 min
Lab File: BF081610.D
Acq: 14 Sep 2015 16:24

Instrument :
BNA_F
ClientSampleId :
GP-4(0-5)

Tgt Ion:188 Resp: 203616

Ion	Ratio	Lower	Upper
188	100		
94	7.5	11.1	16.7#
80	8.7	11.0	16.4#

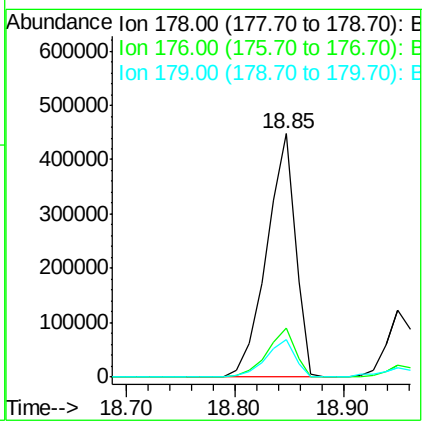


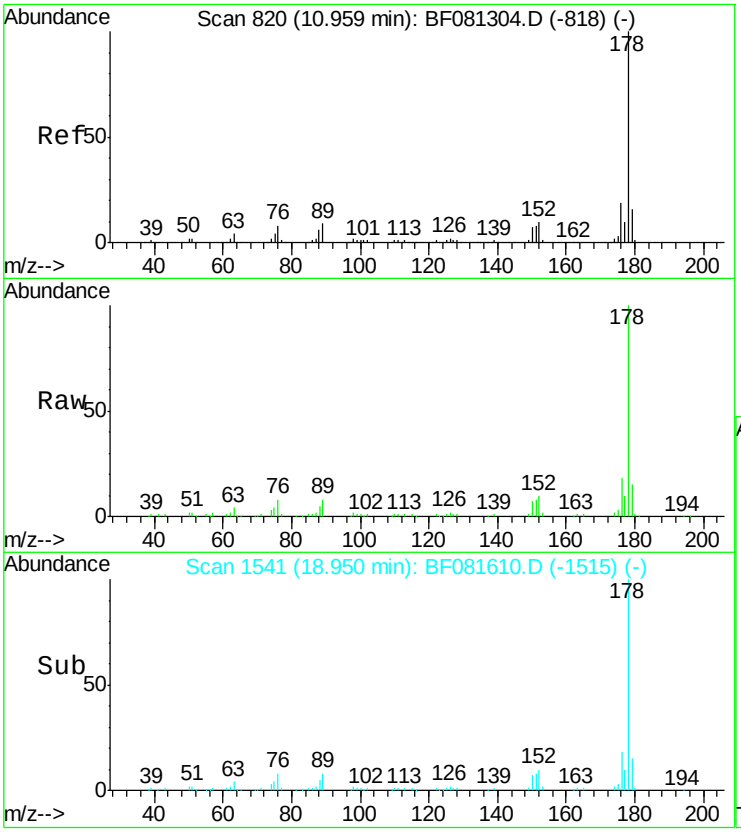


#70
Phenanthrene
Concen: 72.82 ng
RT: 18.85 min Scan# 1532
Delta R.T. 0.01 min
Lab File: BF081610.D
Acq: 14 Sep 2015 16:24

Tgt Ion:178 Resp: 824302

Ion	Ratio	Lower	Upper
178	100		
176	20.2	13.8	20.8
179	15.2	12.2	18.2



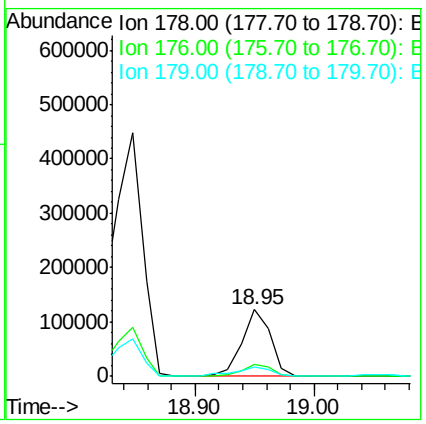


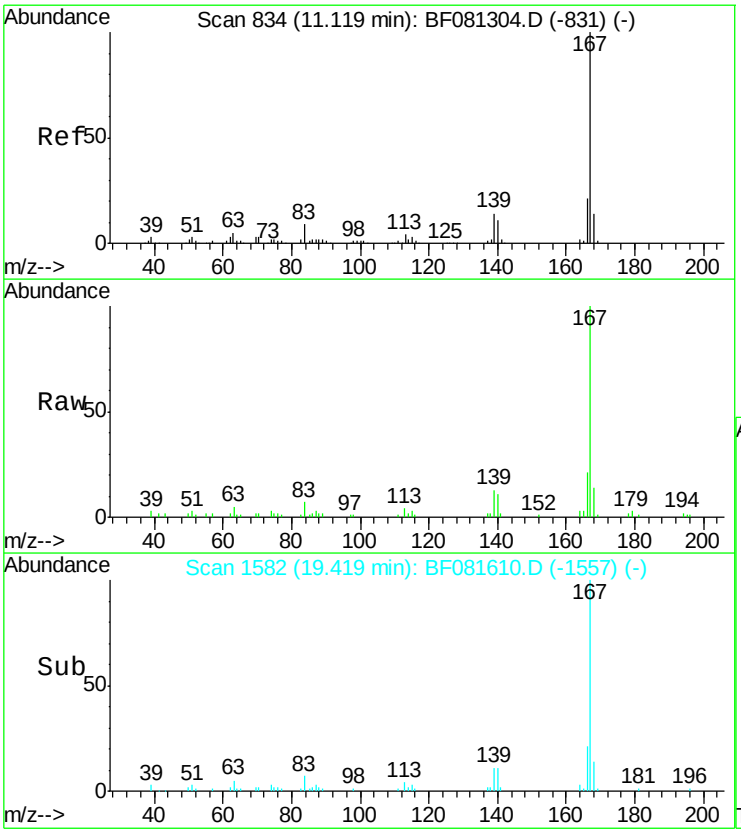
#71
Anthracene
Concen: 17.78 ng
RT: 18.95 min Scan# 1541
Delta R.T. -0.00 min
Lab File: BF081610.D
Acq: 14 Sep 2015 16:24

Instrument :
BNA_F
ClientSampleId :
GP-4(0-5)

Tgt Ion:178 Resp: 206803

Ion	Ratio	Lower	Upper
178	100		
176	17.9	14.1	21.1
179	14.8	12.2	18.2

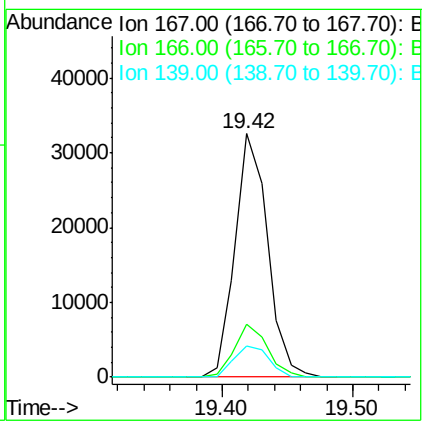


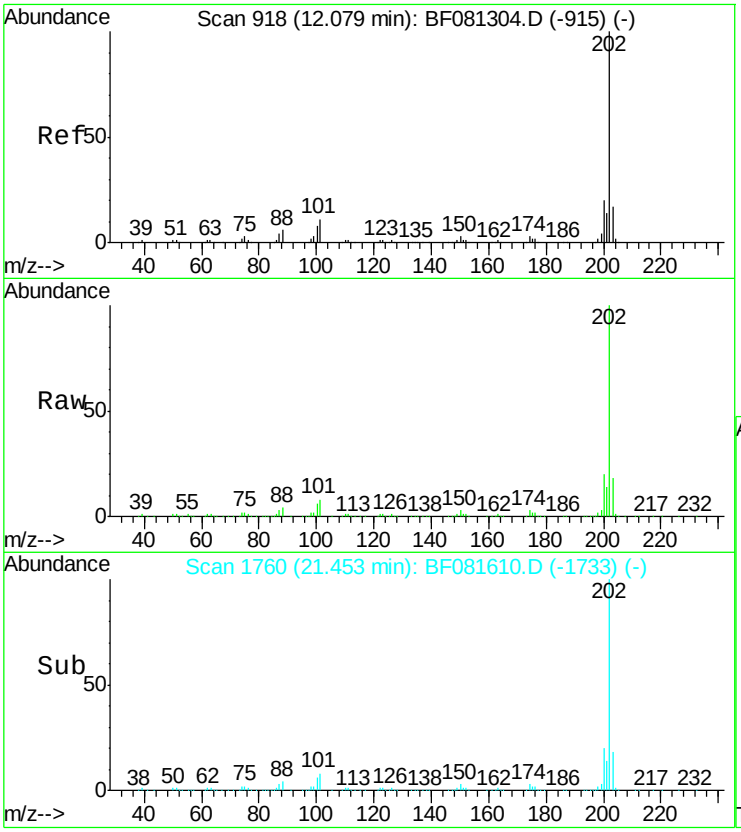


#72
Carbazole
Concen: 5.17 ng
RT: 19.42 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BF081610.D
Acq: 14 Sep 2015 16:24

Tgt Ion:167 Resp: 56421

Ion	Ratio	Lower	Upper
167	100		
166	21.5	15.7	23.5
139	13.0	9.5	14.3



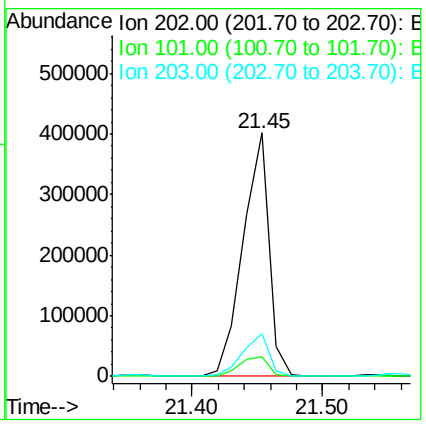


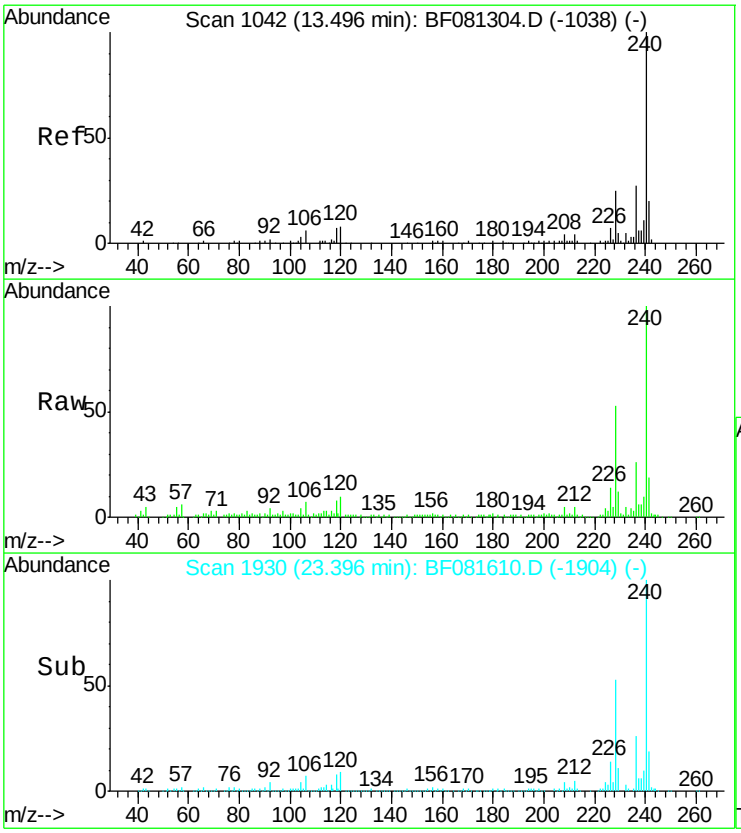
#74
Fluoranthene
Concen: 45.57 ng
RT: 21.45 min Scan# 1760
Delta R.T. 0.01 min
Lab File: BF081610.D
Acq: 14 Sep 2015 16:24

Instrument :
BNA_F
ClientSampleId :
GP-4(0-5)

Tgt Ion:202 Resp: 558438

Ion	Ratio	Lower	Upper
202	100		
101	8.3	0.0	38.3
203	17.5	0.0	37.3

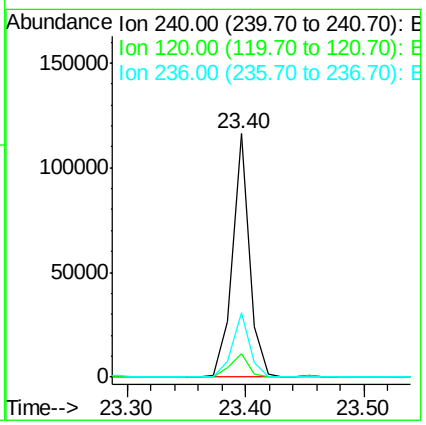


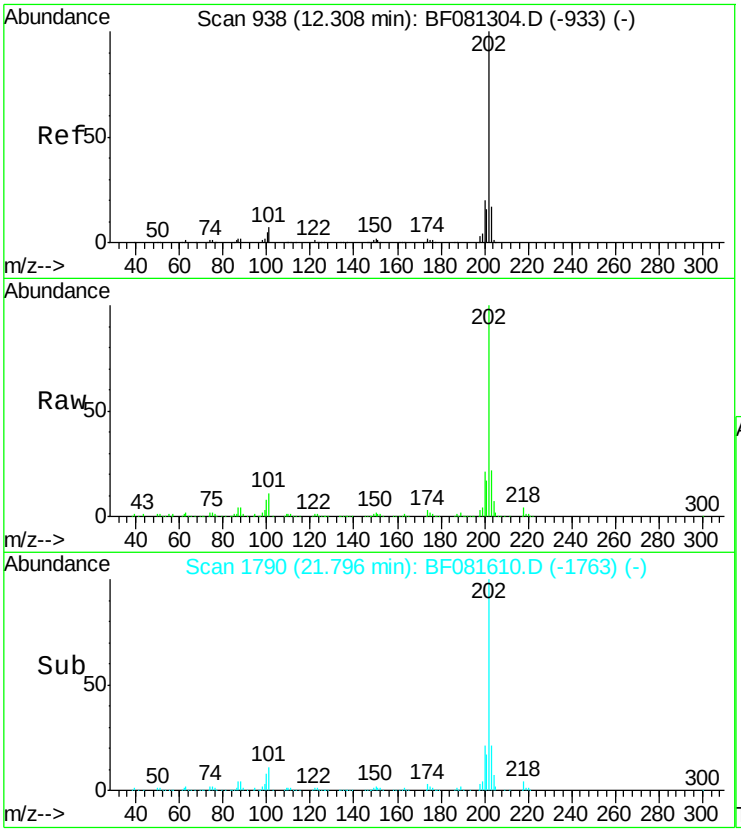


#75
Chrysene-d12
Concen: 20.00 ng
RT: 23.40 min Scan# 1930
Delta R.T. -0.00 min
Lab File: BF081610.D
Acq: 14 Sep 2015 16:24

Tgt Ion:240 Resp: 117392

Ion	Ratio	Lower	Upper
240	100		
120	9.6	16.2	24.2#
236	26.3	18.4	27.6



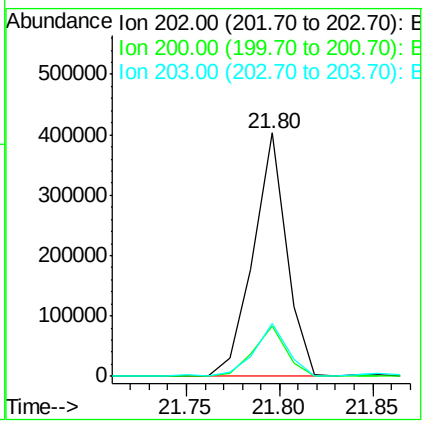


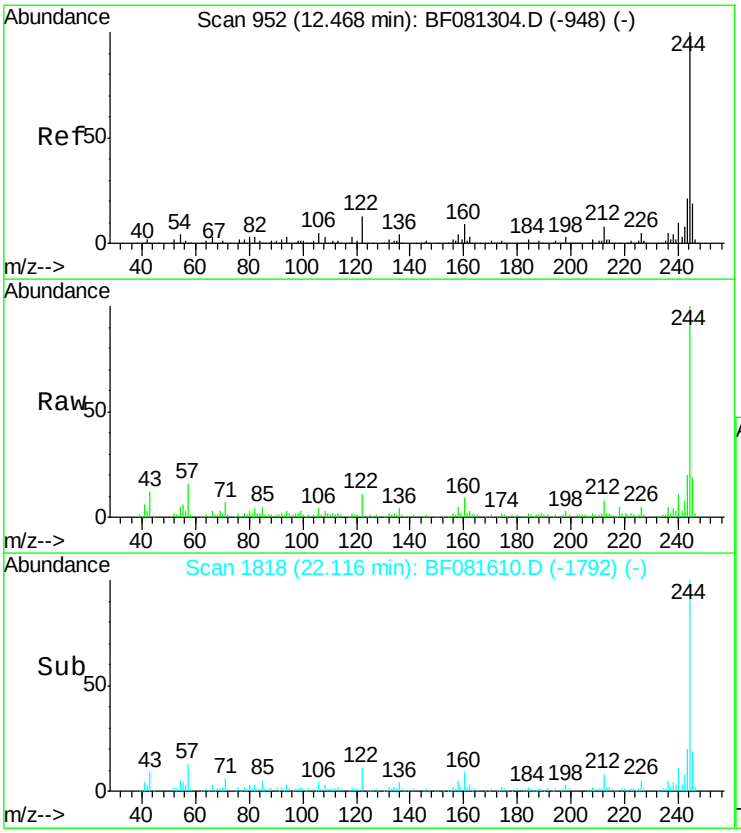
#77
Pyrene
Concen: 57.43 ng
RT: 21.80 min Scan# 1790
Delta R.T. 0.01 min
Lab File: BF081610.D
Acq: 14 Sep 2015 16:24

Instrument :
BNA_F
ClientSampleId :
GP-4(0-5)

Tgt Ion:202 Resp: 499380

Ion	Ratio	Lower	Upper
202	100		
200	20.7	15.0	22.4
203	21.5	14.1	21.1#

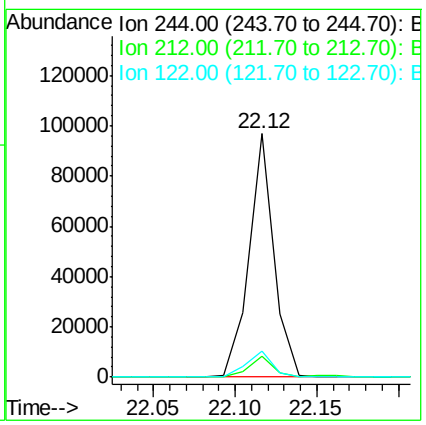


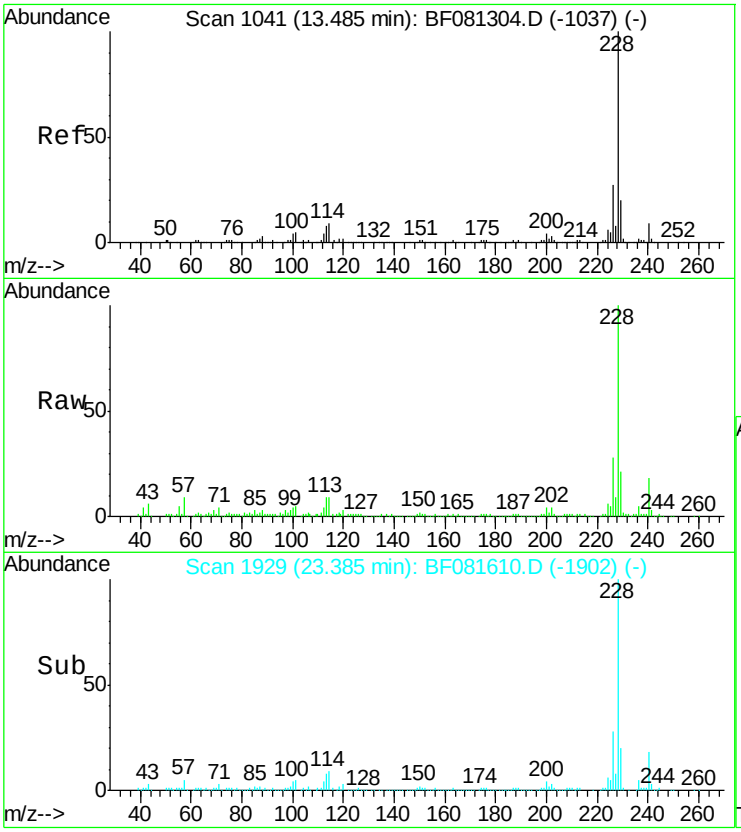


#78
Terphenyl-d14
Concen: 20.26 ng
RT: 22.12 min Scan# 1818
Delta R.T. -0.00 min
Lab File: BF081610.D
Acq: 14 Sep 2015 16:24

Tgt Ion:244 Resp: 102183

Ion	Ratio	Lower	Upper
244	100		
212	8.4	4.3	6.5#
122	10.5	17.4	26.2#



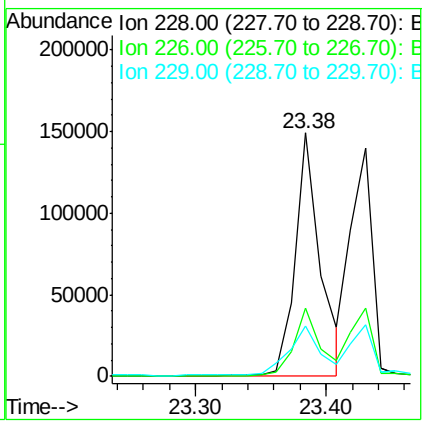


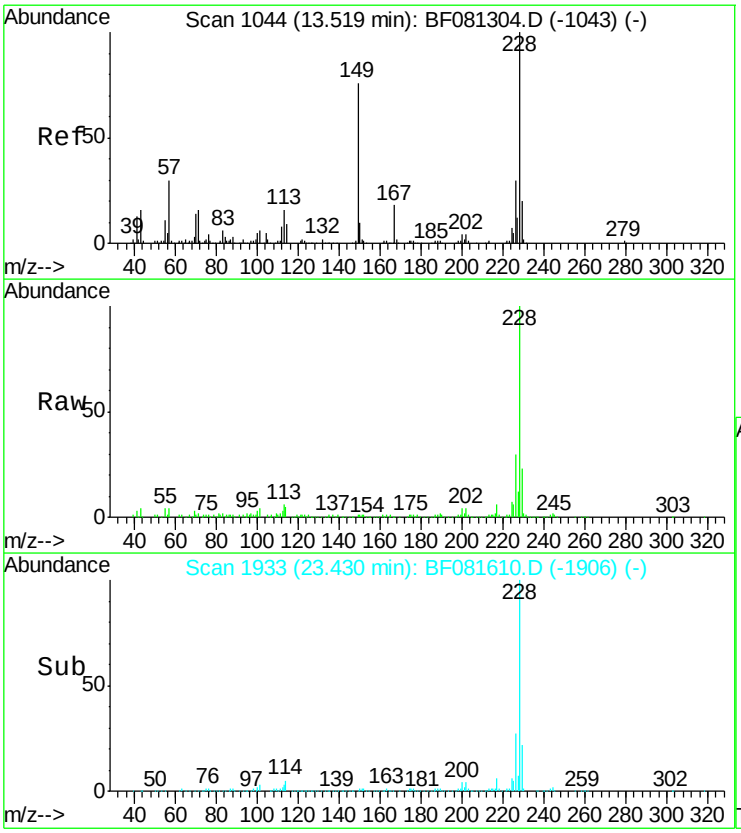
#80
Benzo(a)anthracene
Concen: 26.50 ng
RT: 23.38 min Scan# 1929
Delta R.T. 0.01 min
Lab File: BF081610.D
Acq: 14 Sep 2015 16:24

Instrument :
BNA_F
ClientSampleId :
GP-4(0-5)

Tgt Ion:228 Resp: 198132

Ion	Ratio	Lower	Upper
228	100		
226	27.9	20.0	30.0
229	20.7	15.4	23.2

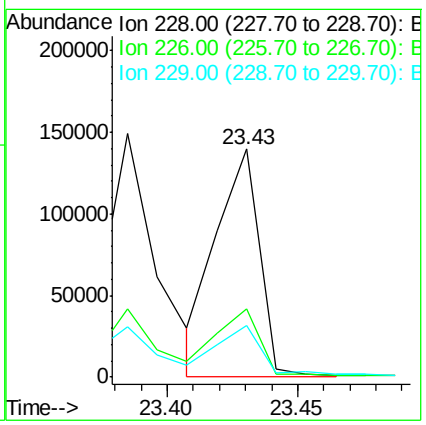


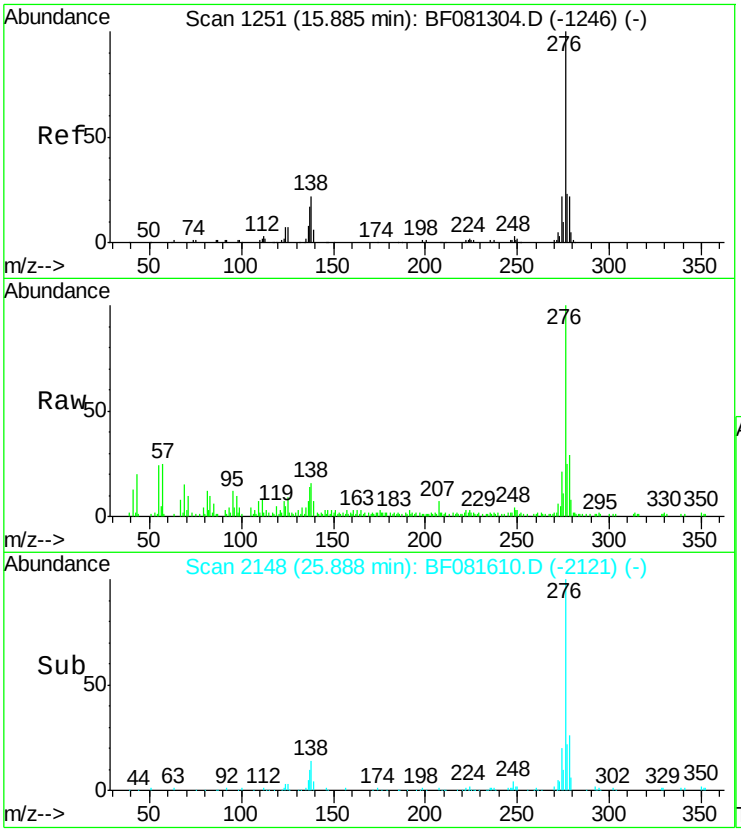


#82
Chrysene
Concen: 24.05 ng
RT: 23.43 min Scan# 1933
Delta R.T. 0.01 min
Lab File: BF081610.D
Acq: 14 Sep 2015 16:24

Tgt Ion:228 Resp: 161201

Ion	Ratio	Lower	Upper
228	100		
226	30.1	21.0	31.4
229	22.6	15.6	23.4



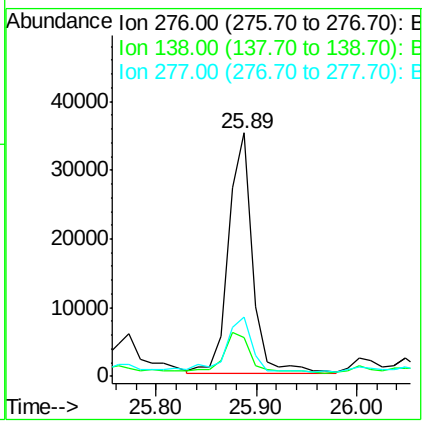


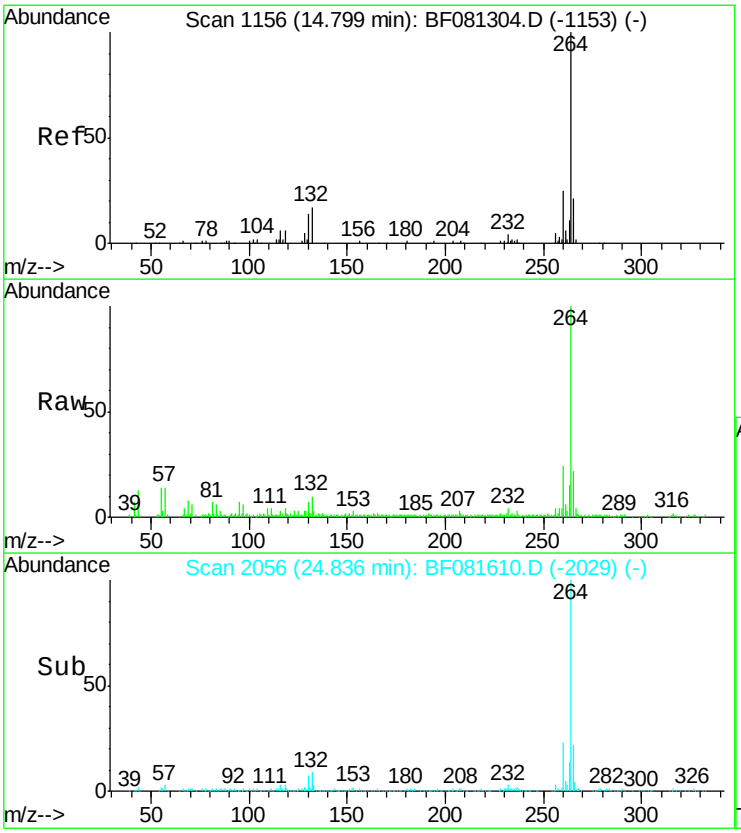
#85
Indeno(1,2,3-cd)pyrene
Concen: 11.68 ng
RT: 25.89 min Scan# 2148
Delta R.T. 0.01 min
Lab File: BF081610.D
Acq: 14 Sep 2015 16:24

Instrument :
BNA_F
ClientSampleId :
GP-4(0-5)

Tgt Ion:276 Resp: 57436

Ion	Ratio	Lower	Upper
276	100		
138	20.4	25.7	38.5#
277	28.0	15.6	23.4#

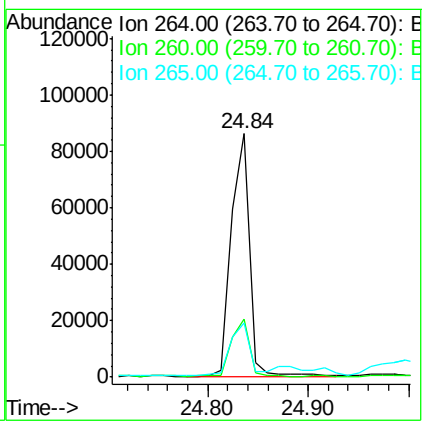


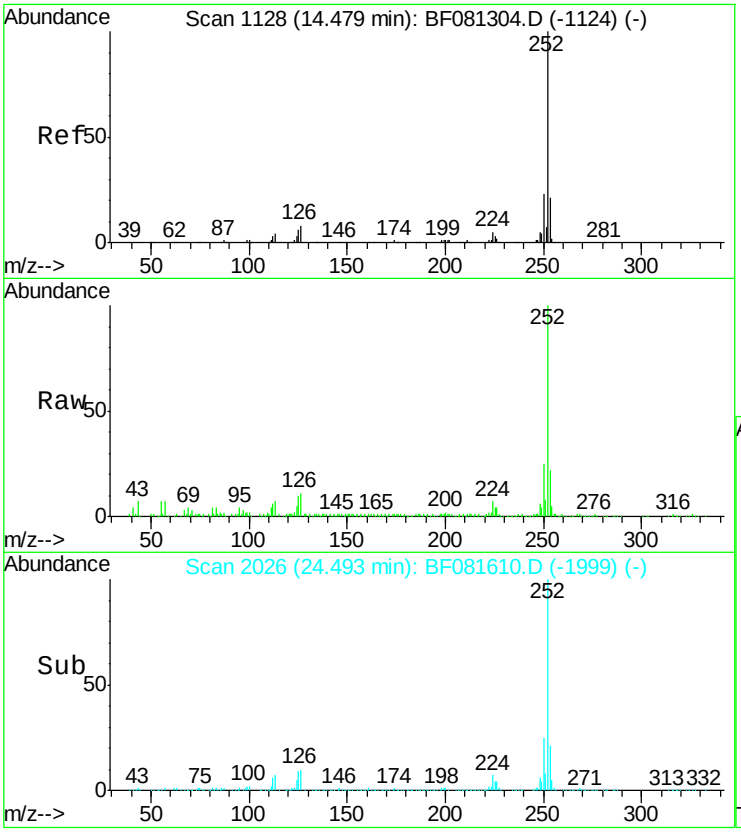


#86
Perylene-d12
Concen: 20.00 ng
RT: 24.84 min Scan# 2056
Delta R.T. 0.01 min
Lab File: BF081610.D
Acq: 14 Sep 2015 16:24

Tgt Ion:264 Resp: 110562

Ion	Ratio	Lower	Upper
264	100		
260	23.7	16.7	25.1
265	22.0	17.2	25.8



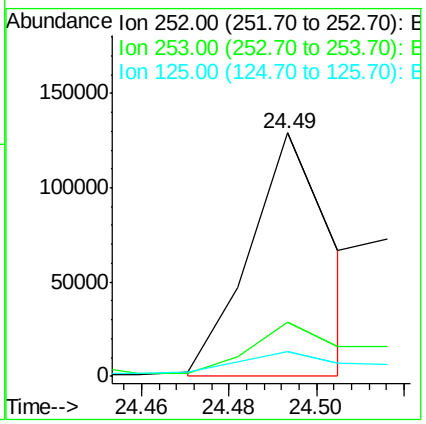


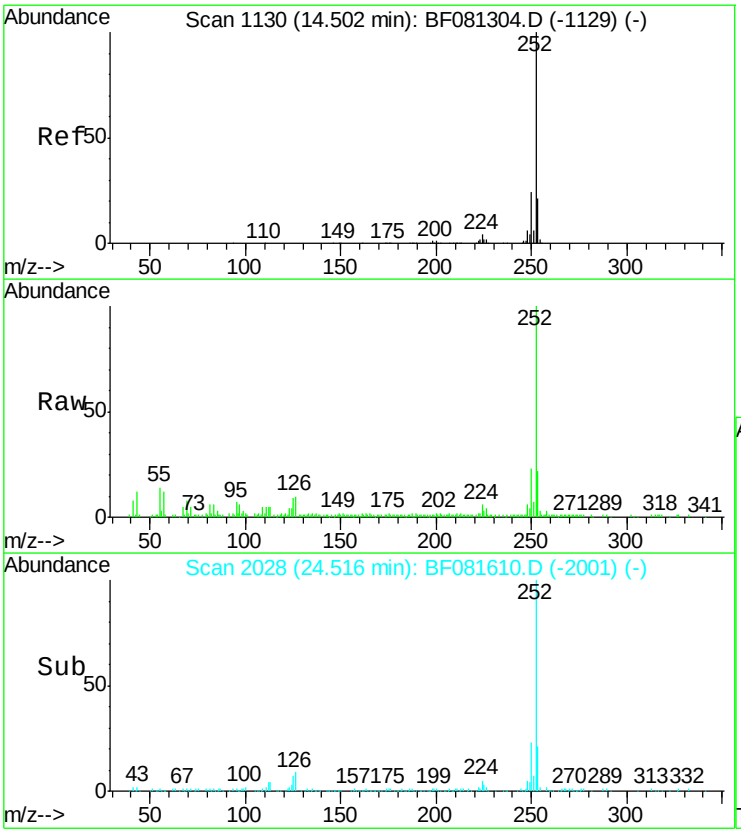
#87
Benzo(b)fluoranthene
Concen: 21.11 ng m
RT: 24.49 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF081610.D
Acq: 14 Sep 2015 16:24

Instrument :
BNA_F
ClientSampleId :
GP-4(0-5)

Tgt Ion:252 Resp: 166622

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.5	26.3
125	10.4	17.1	25.7#

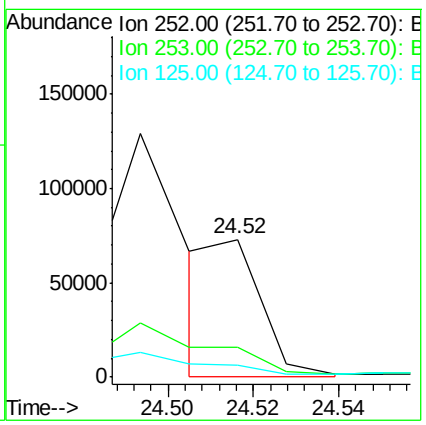


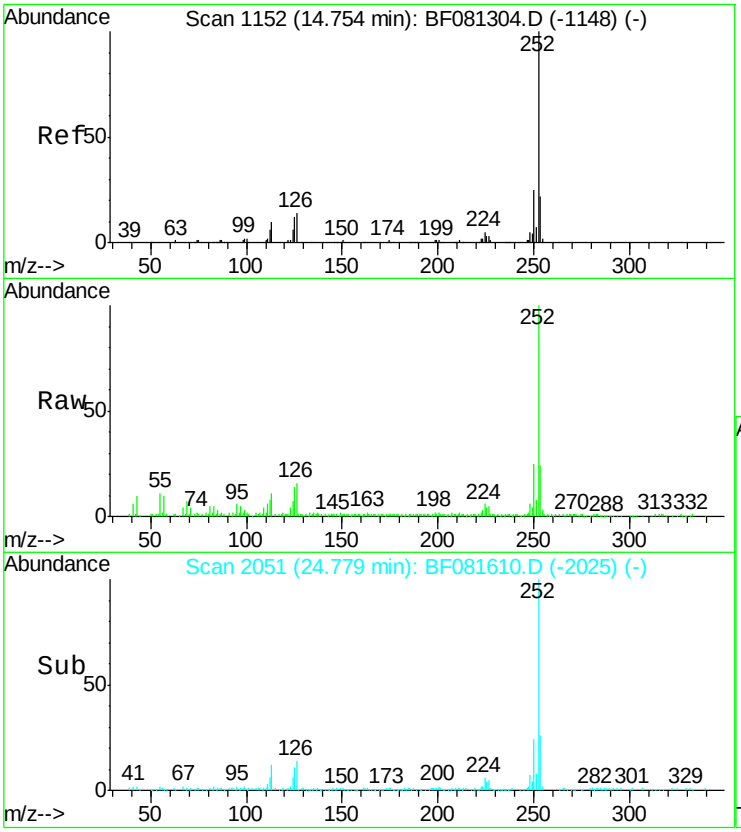


#88
Benzo(k)fluoranthene
Concen: 8.60 ng m
RT: 24.52 min Scan# 2028
Delta R.T. 0.01 min
Lab File: BF081610.D
Acq: 14 Sep 2015 16:24

Tgt Ion:252 Resp: 56301

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.4
125	8.9	16.0	24.0#



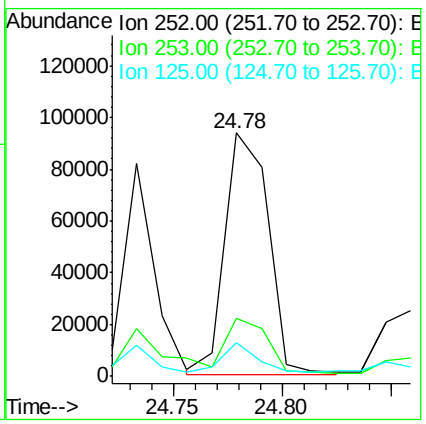


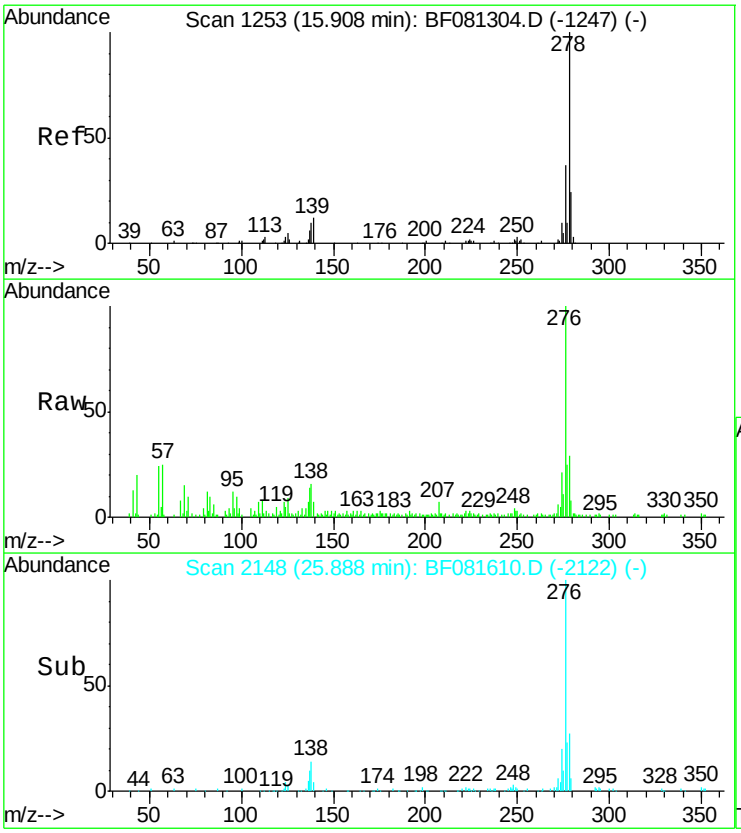
#89
Benzo(a)pyrene
Concen: 19.13 ng
RT: 24.78 min Scan# 2051
Delta R.T. -0.00 min
Lab File: BF081610.D
Acq: 14 Sep 2015 16:24

Instrument :
BNA_F
ClientSampleId :
GP-4(0-5)

Tgt Ion:252 Resp: 127962

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.2	25.8
125	13.7	18.0	27.0#

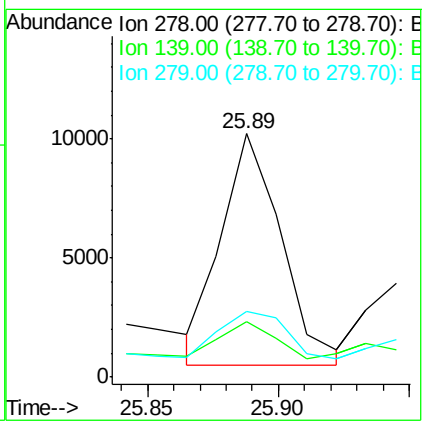


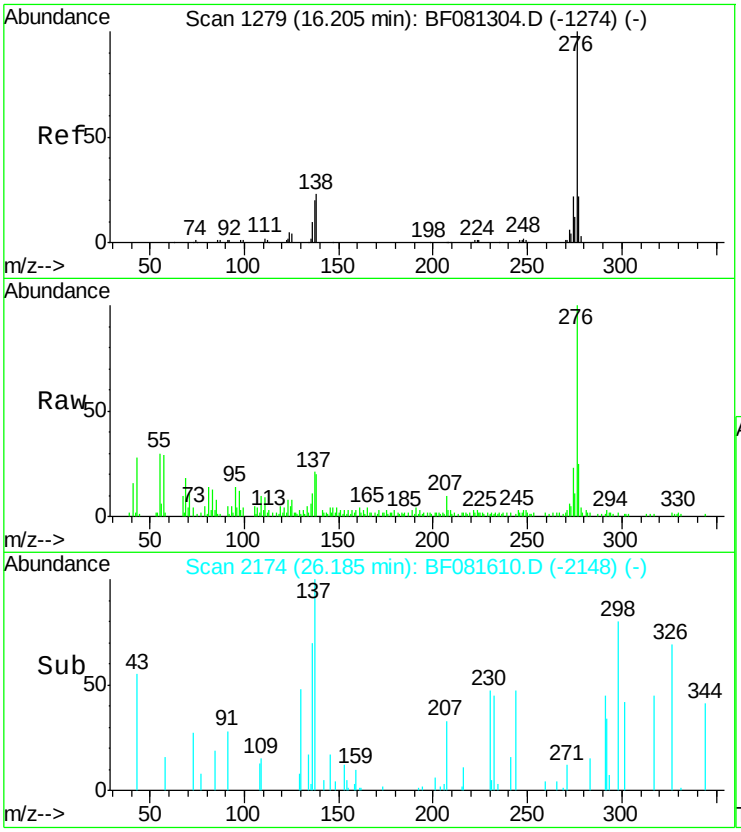


#90
Dibenzo(a,h)anthracene
Concen: 2.99 ng m
RT: 25.89 min Scan# 2148
Delta R.T. -0.00 min
Lab File: BF081610.D
Acq: 14 Sep 2015 16:24

Tgt Ion:278 Resp: 15477

Ion	Ratio	Lower	Upper
278	100		
139	22.7	26.3	39.5#
279	27.2	18.2	27.4





#91
Benzo(g,h,i)perylene
Concen: 9.90 ng
RT: 26.18 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BF081610.D
Acq: 14 Sep 2015 16:24

Instrument :
BNA_F
ClientSampleId :
GP-4(0-5)

Tgt Ion:276 Resp: 48812

Ion	Ratio	Lower	Upper
276	100		
277	25.1	17.8	26.6
138	19.5	34.6	51.8#