Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091615\
Data File : BF081672.D
Acq On : 17 Sep 2015 8:29
Operator : UM/IZ
Sample : G3654-05
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MGP204(20-22)

Quant Time: Sep 17 13:26:28 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF090115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Sep 15 14:03:59 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.21	152	42059	20.00	ng		-0.01
21) Naphthalene-d8	11.25	136	146261	20.00	ng		0.13
38) Acenaphthene-d10	15.26	164	68961	20.00	ng		0.00
63) Phenanthrene-d10	18.76	188	119701m	20.00	ng		0.00
75) Chrysene-d12	23.41	240	117827	20.00	ng		0.02
86) Perylene-d12	24.82	264	99913	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.35	112	327441	120.79	ng		0.00
7) Phenol-d6	7.65	99	454573	126.68	ng		0.00
23) Nitrobenzene-d5	9.52	82	287562	94.86	ng		-0.01
41) 2,4,6-Tribromophenol	17.17	330	66810	108.81	ng		0.00
44) 2-Fluorobiphenyl	13.76	172	417762	77.63	ng		-0.01
78) Terphenyl-d14	22.12	244	309759	61.20	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	11.39	128	32864431	4213.23	ng	#	92
37) 2-Methylnaphthalene	12.98	142	12955194	2552.19	ng	#	89
45) 1,1'-Biphenyl	13.99	154	1436262	226.38	ng		95
48) Acenaphthylene	15.01	152	6246248	768.46	ng		94
49) Dimethylphthalate	14.87	163	63514	11.85	ng	#	97
51) Acenaphthene	15.36	154	616567	133.34	ng	#	84
54) Dibenzofuran	15.76	168	371155	54.97	ng	#	83
57) Fluorene	16.64	166	2686716m	524.35	ng		
70) Phenanthrene	18.94	178	8323269	1250.73	ng		93
71) Anthracene	19.03	178	2495244m	364.97	ng		
72) Carbazole	19.43	167	93033	14.50	ng	#	80
74) Fluoranthene	21.49	202	2274020	315.66	ng		91
77) Pyrene	21.84	202	4209742m	482.33	ng		
80) Benzo(a)anthracene	23.40	228	1855114	247.23	ng	#	89
82) Chrysene	23.44	228	1226061	182.28	ng	#	85
85) Indeno(1,2,3-cd)pyrene	25.86	276	187164	37.93	ng	#	80
87) Benzo(b)fluoranthene	24.49	252	732441m	102.68	ng		
88) Benzo(k)fluoranthene	24.50	252	162753m	27.50	ng		
89) Benzo(a)pyrene	24.79	252	874180	144.62	ng	#	83
90) Dibenzo(a,h)anthracene	25.88	278	65357m	13.99	ng		
91) Benzo(g,h,i)perylene	26.17	276	171332	38.43	ng	#	73

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

Quantitation Report (LSC Reviewed)

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Data File : BF081672.D
Acq On : 17 Sep 2015 8:29
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Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MGP204(20-22)

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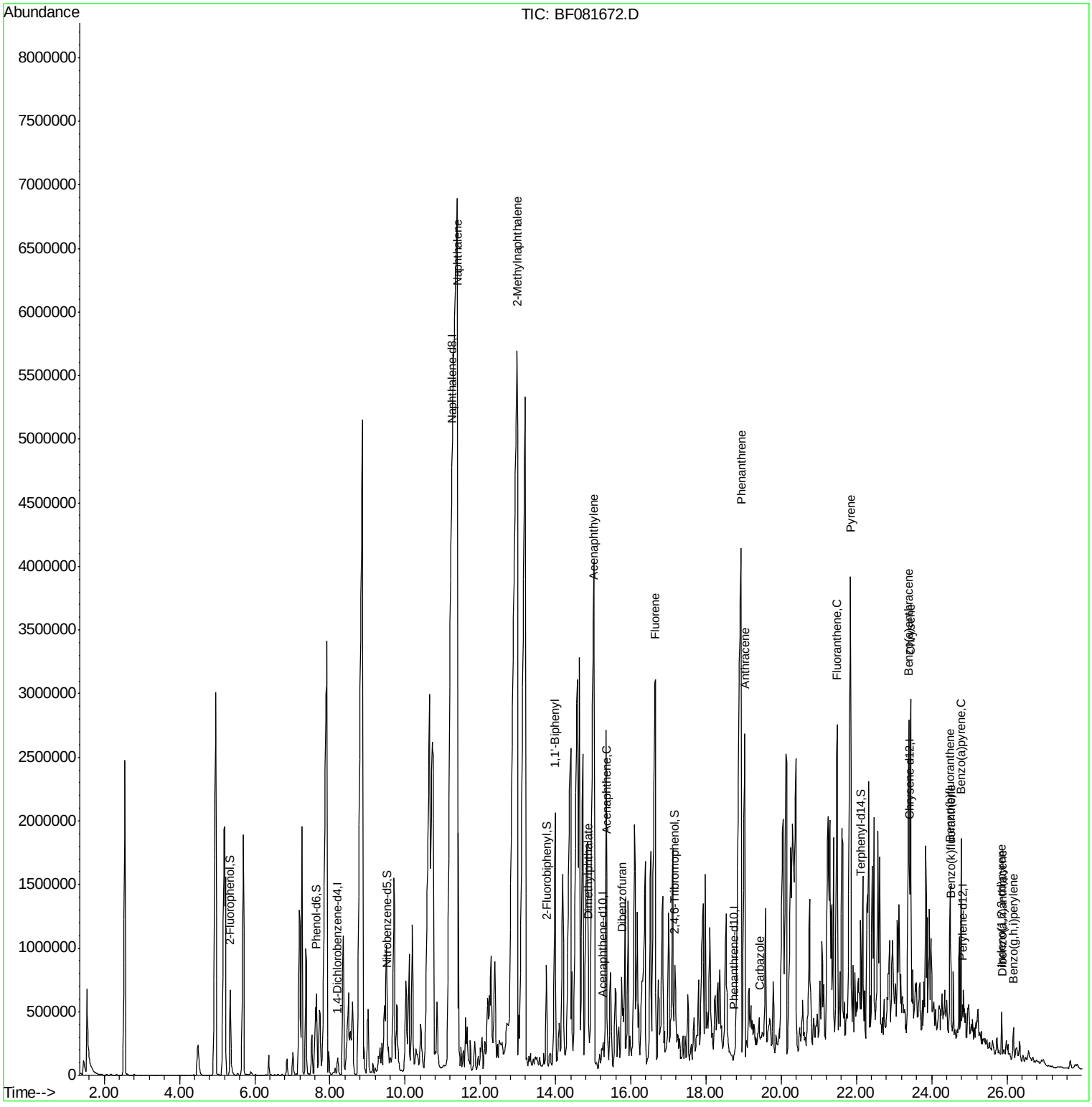
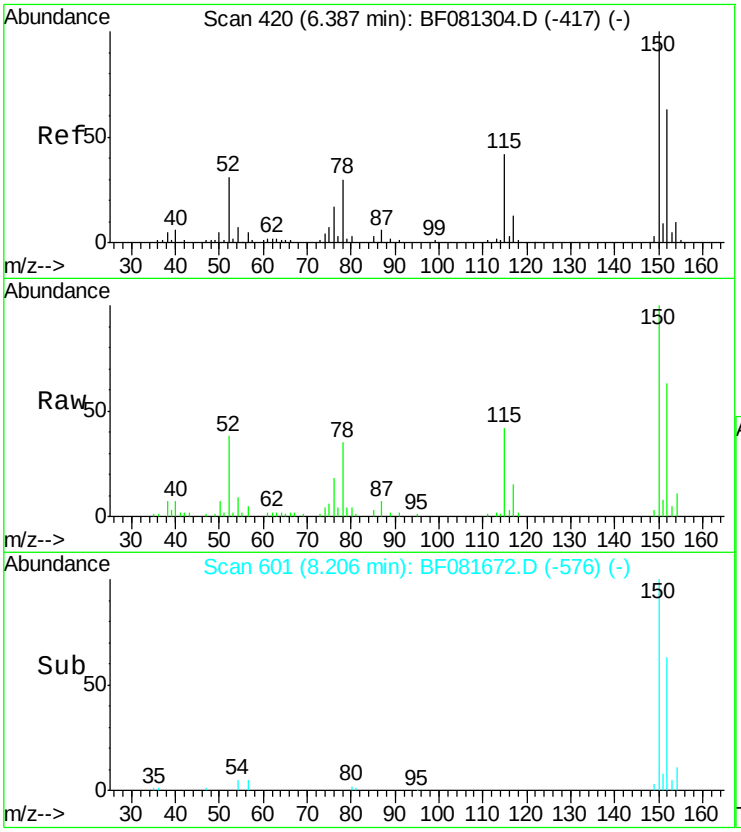


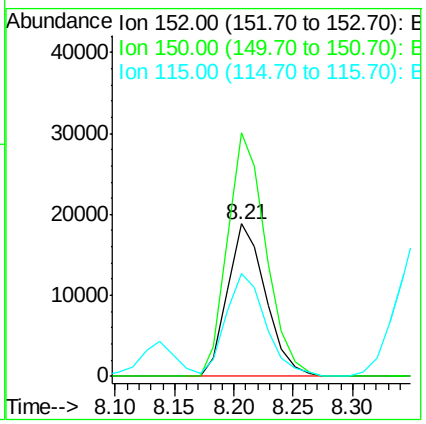


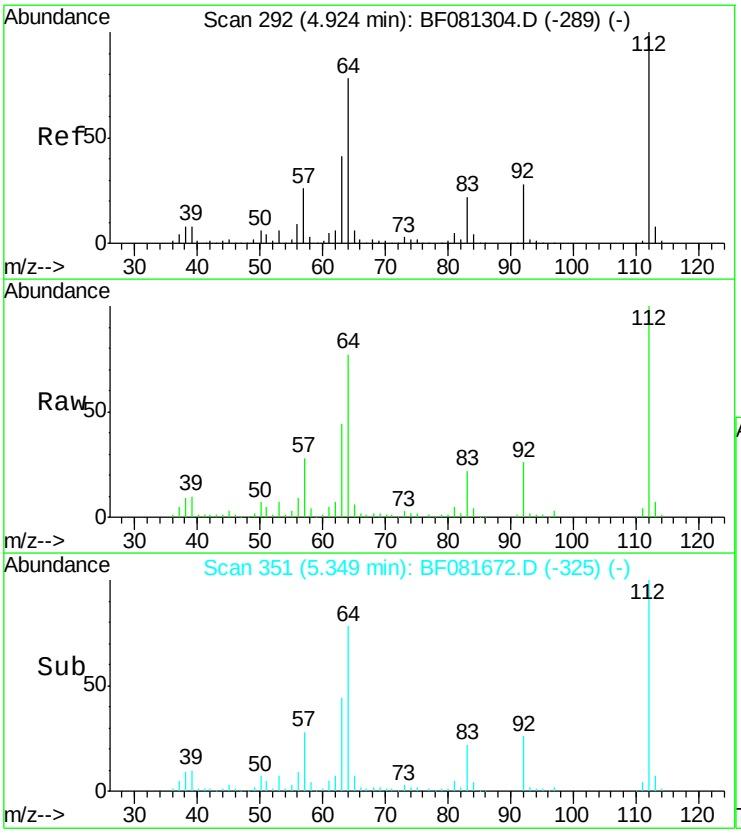
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.21 min Scan# 601
Delta R.T. -0.01 min
Lab File: BF081672.D
Acq: 17 Sep 2015 8:29

Instrument :
BNA_F
ClientSampleId :
MGP204(20-22)

Tgt Ion:152 Resp: 42059

Ion	Ratio	Lower	Upper
152	100		
150	159.9	124.7	187.1
115	67.8	39.0	58.4#

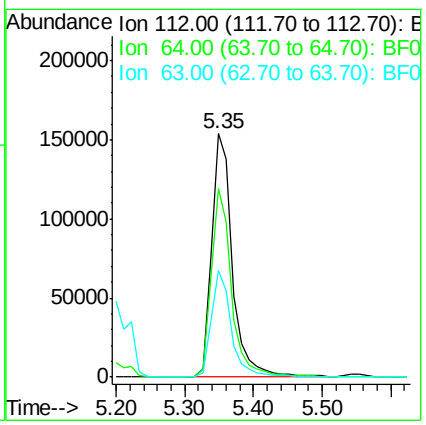


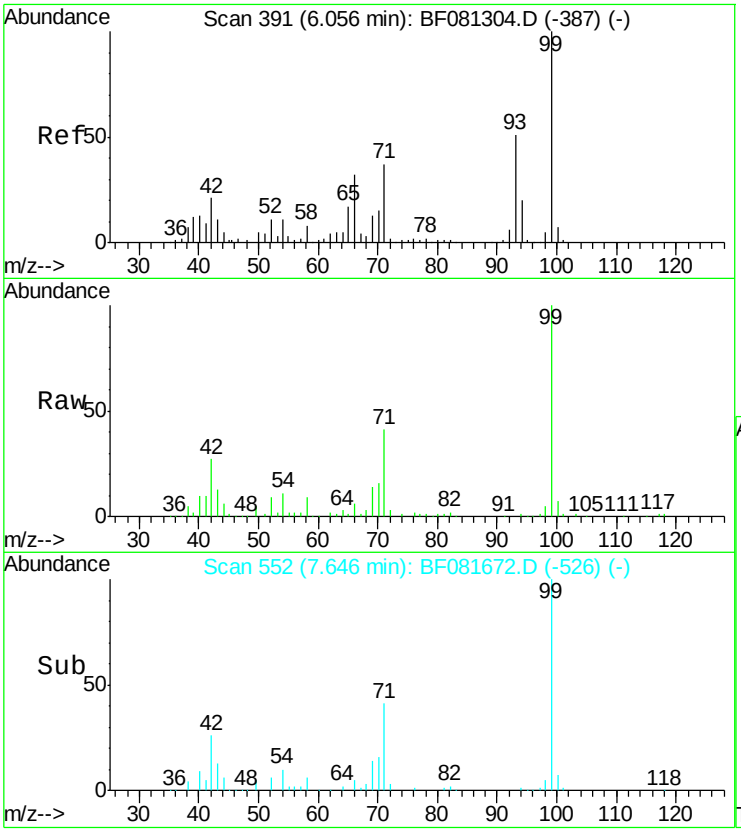


#5
2-Fluorophenol
Concen: 120.79 ng
RT: 5.35 min Scan# 351
Delta R.T. -0.00 min
Lab File: BF081672.D
Acq: 17 Sep 2015 8:29

Tgt Ion:112 Resp: 327441

Ion	Ratio	Lower	Upper
112	100		
64	77.4	39.7	59.5#
63	43.7	17.4	26.0#



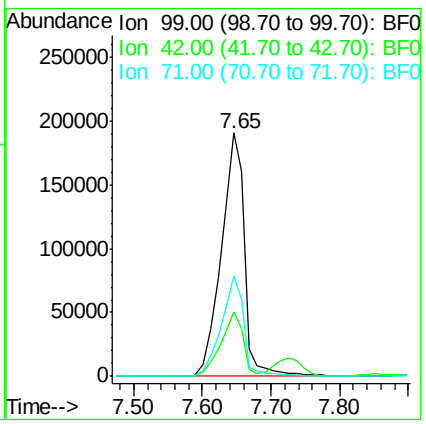


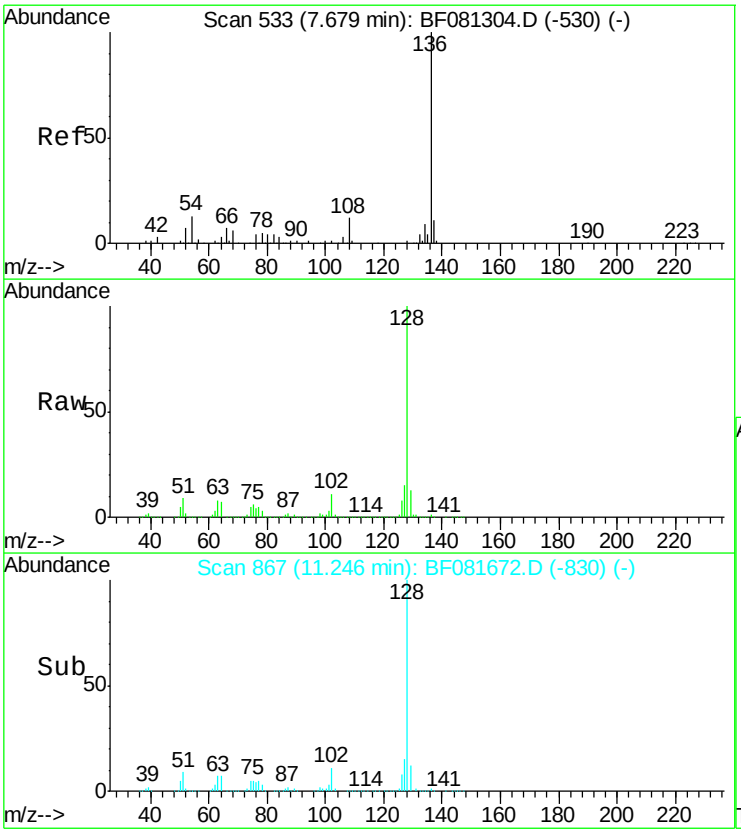
#7
Phenol-d6
Concen: 126.68 ng
RT: 7.65 min Scan# 552
Delta R.T. -0.00 min
Lab File: BF081672.D
Acq: 17 Sep 2015 8:29

Instrument :
BNA_F
ClientSampleId :
MGP204(20-22)

Tgt Ion: 99 Resp: 454573

Ion	Ratio	Lower	Upper
99	100		
42	26.7	13.7	20.5#
71	41.0	14.2	21.2#

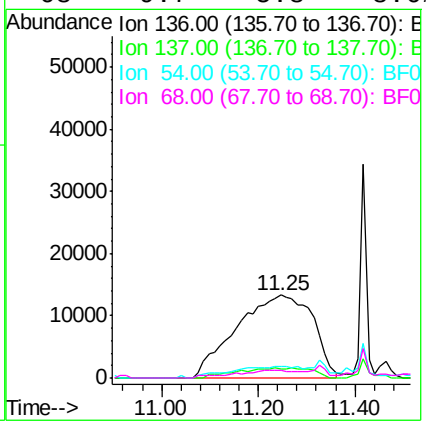


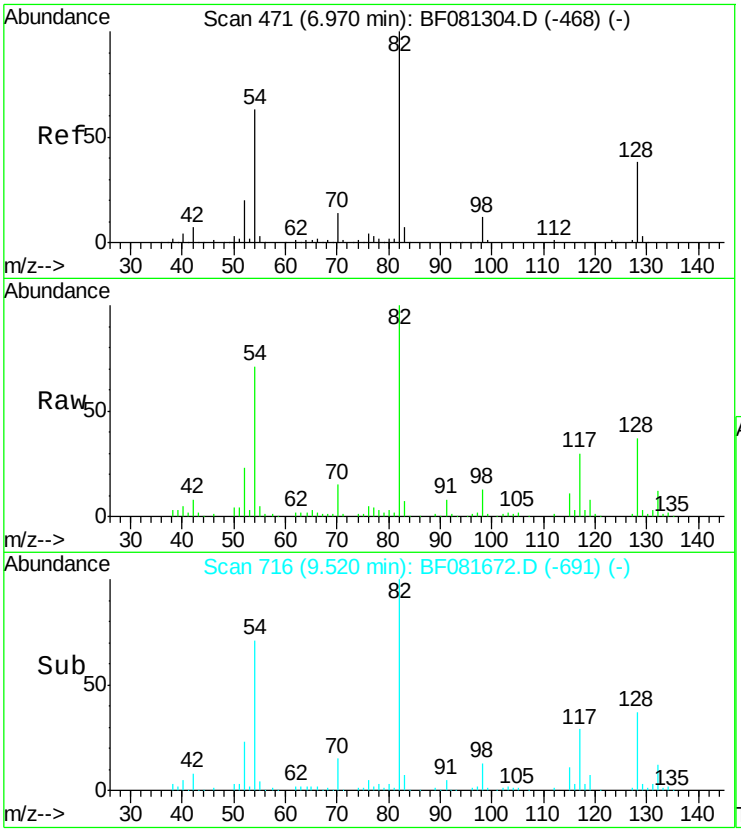


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.25 min Scan# 867
Delta R.T. 0.13 min
Lab File: BF081672.D
Acq: 17 Sep 2015 8:29

Tgt Ion:136 Resp: 146261

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.0	13.6
54	13.6	8.2	12.2#
68	9.7	5.8	8.6#



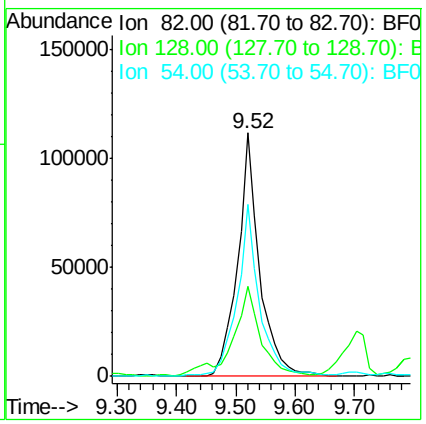


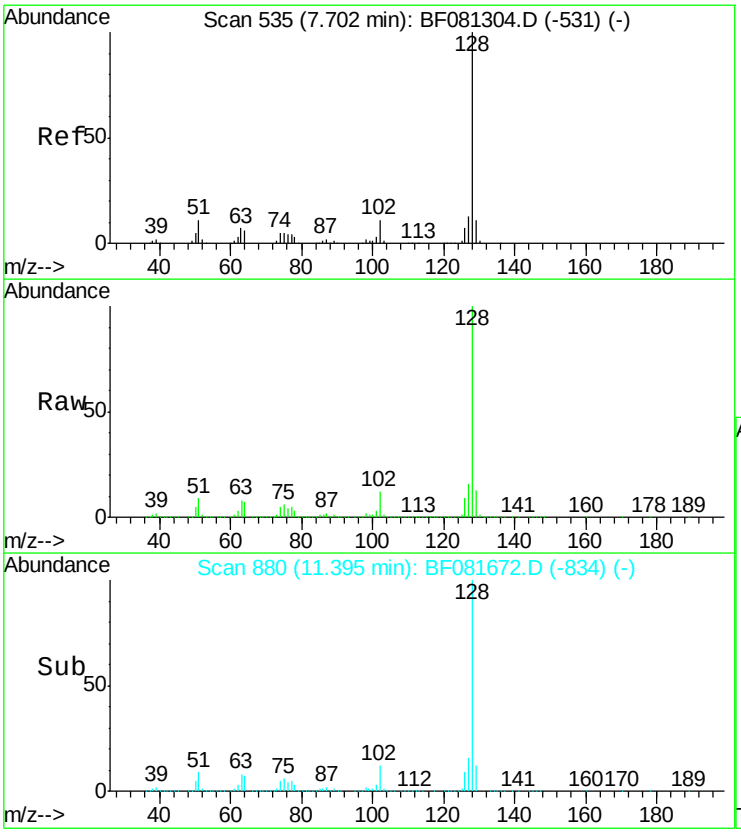
#23
Nitrobenzene-d5
Concen: 94.86 ng
RT: 9.52 min Scan# 716
Delta R.T. -0.01 min
Lab File: BF081672.D
Acq: 17 Sep 2015 8:29

Instrument :
BNA_F
ClientSampleId :
MGP204(20-22)

Tgt Ion: 82 Resp: 287562

Ion	Ratio	Lower	Upper
82	100		
128	36.9	51.0	76.6#
54	70.6	47.5	71.3

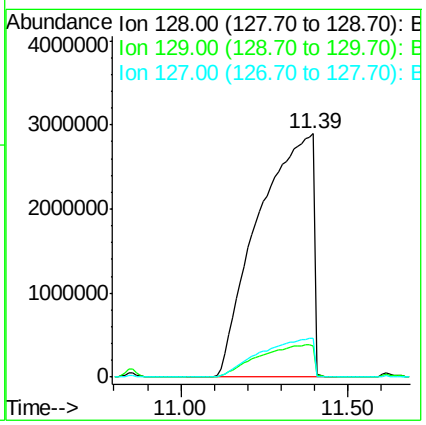


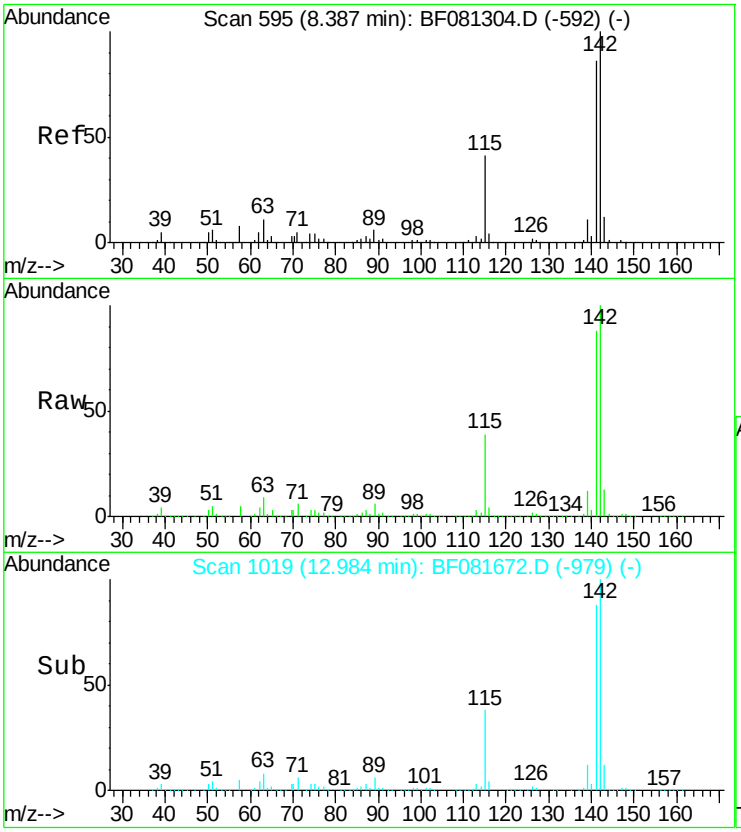


#31
Naphthalene
Concen: 4213.23 ng
RT: 11.39 min Scan# 880
Delta R.T. 0.23 min
Lab File: BF081672.D
Acq: 17 Sep 2015 8:29

Tgt Ion:128 Resp:32864431

Ion	Ratio	Lower	Upper
128	100		
129	13.0	8.4	12.6#
127	15.9	9.9	14.9#



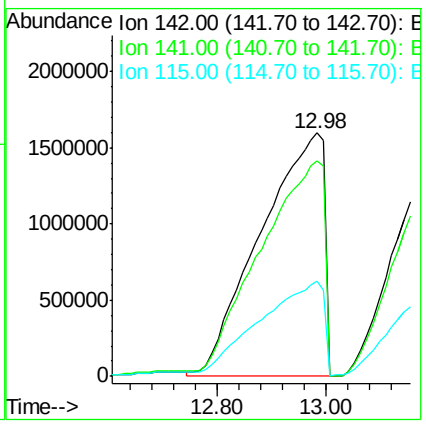


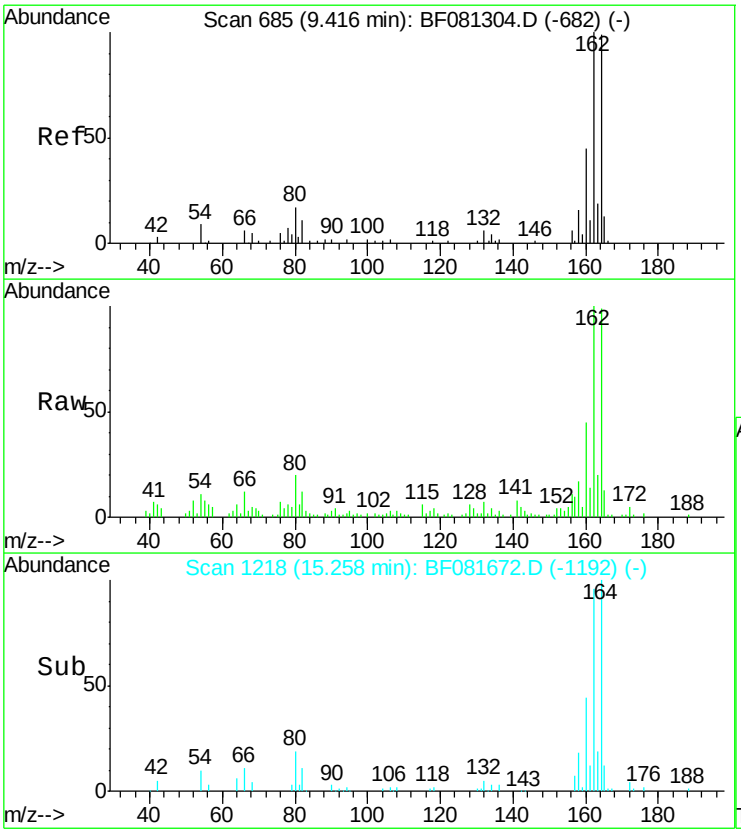
#37
2-Methylnaphthalene
Concen: 2552.19 ng
RT: 12.98 min Scan# 1019
Delta R.T. 0.16 min
Lab File: BF081672.D
Acq: 17 Sep 2015 8:29

Instrument :
BNA_F
ClientSampleId :
MGP204(20-22)

Tgt Ion:142 Resp:12955194

Ion	Ratio	Lower	Upper
142	100		
141	88.3	67.5	101.3
115	39.2	18.2	27.2#

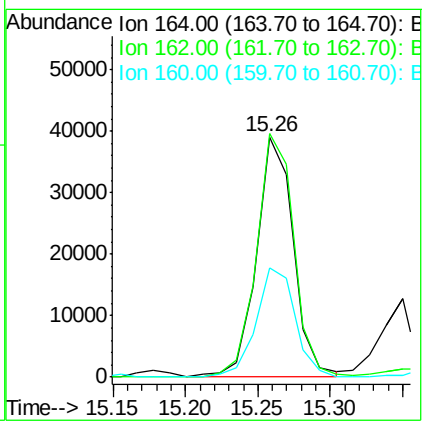


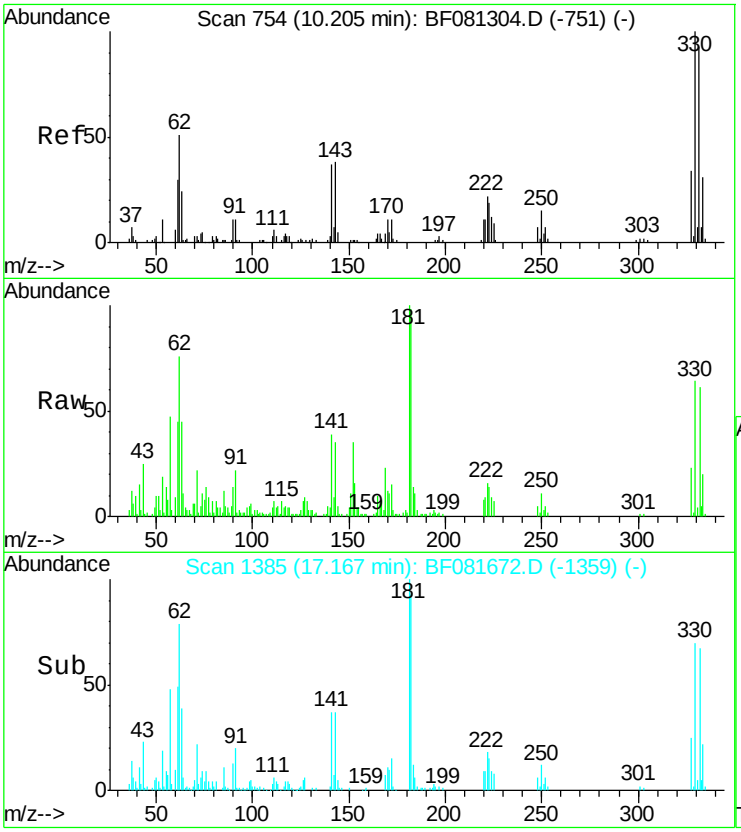


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.26 min Scan# 1218
Delta R.T. -0.00 min
Lab File: BF081672.D
Acq: 17 Sep 2015 8:29

Tgt Ion:164 Resp: 68961

Ion	Ratio	Lower	Upper
164	100		
162	101.5	75.2	112.8
160	45.6	31.5	47.3



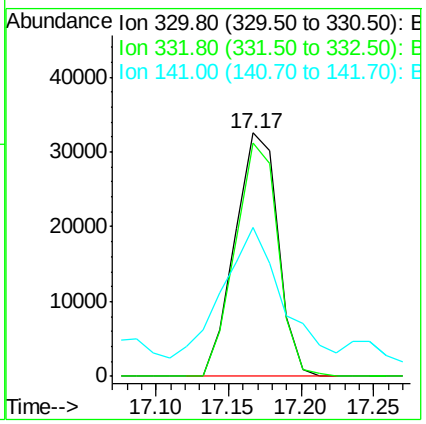


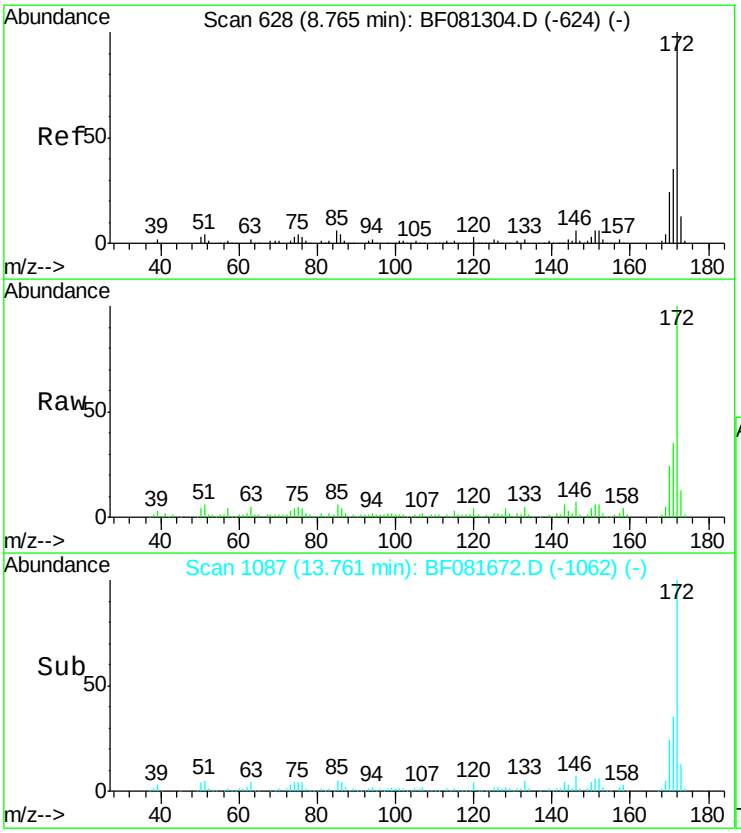
#41
2,4,6-Tribromophenol
Concen: 108.81 ng
RT: 17.17 min Scan# 1385
Delta R.T. -0.00 min
Lab File: BF081672.D
Acq: 17 Sep 2015 8:29

Instrument :
BNA_F
ClientSampleId :
MGP204(20-22)

Tgt Ion:330 Resp: 66810

Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.6	114.8
141	81.3	29.7	44.5#

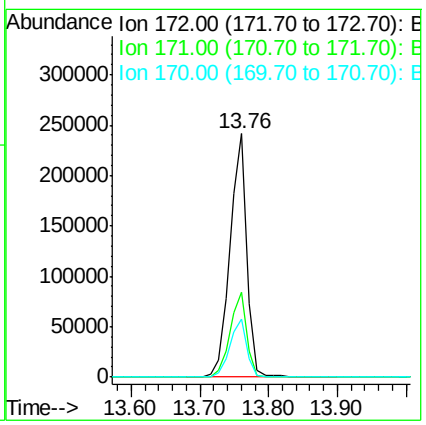


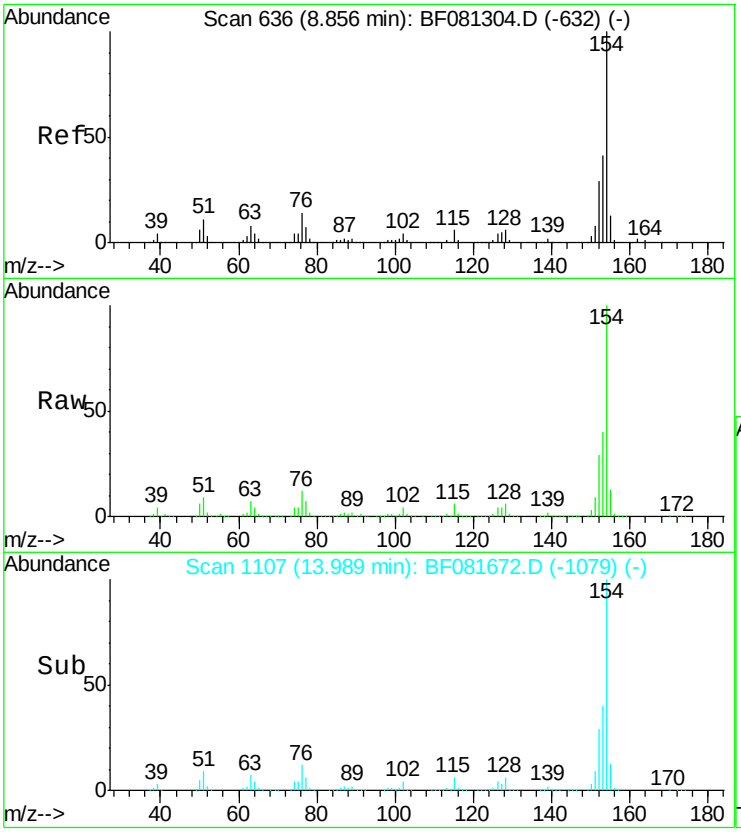


#44
2-Fluorobiphenyl
Concen: 77.63 ng
RT: 13.76 min Scan# 1087
Delta R.T. -0.01 min
Lab File: BF081672.D
Acq: 17 Sep 2015 8:29

Tgt Ion:172 Resp: 417762

Ion	Ratio	Lower	Upper
172	100		
171	34.9	26.1	39.1
170	23.8	17.4	26.2



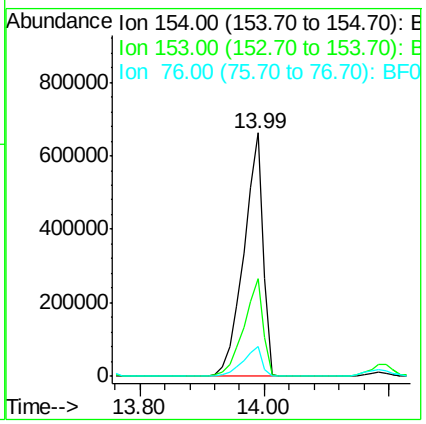


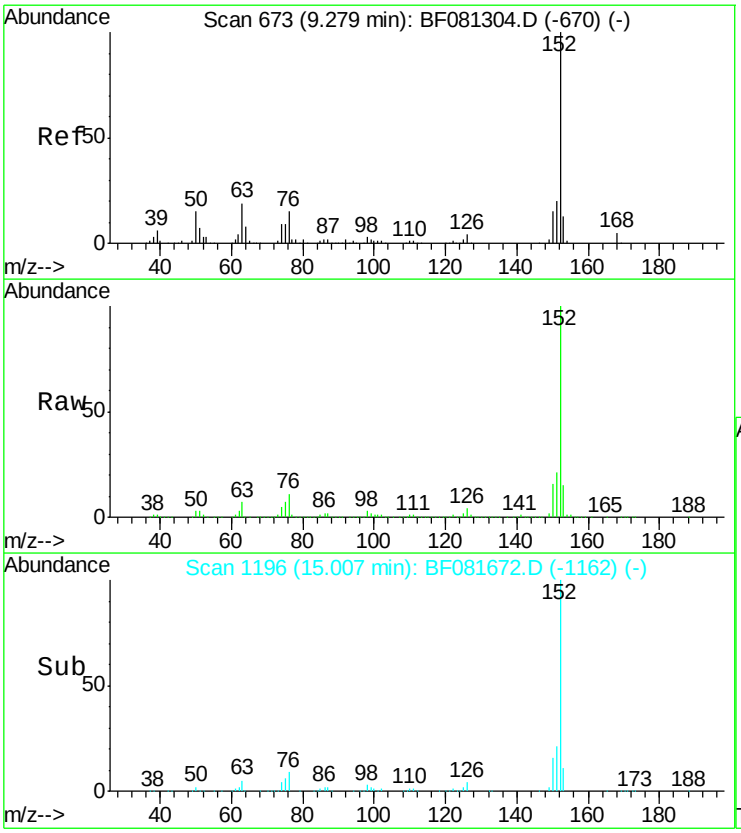
#45
1,1'-Biphenyl
Concen: 226.38 ng
RT: 13.99 min Scan# 1107
Delta R.T. 0.02 min
Lab File: BF081672.D
Acq: 17 Sep 2015 8:29

Instrument :
BNA_F
ClientSampleId :
MGP204(20-22)

Tgt Ion:154 Resp: 1436262

Ion	Ratio	Lower	Upper
154	100		
153	40.4	17.1	57.1
76	12.3	0.0	31.6

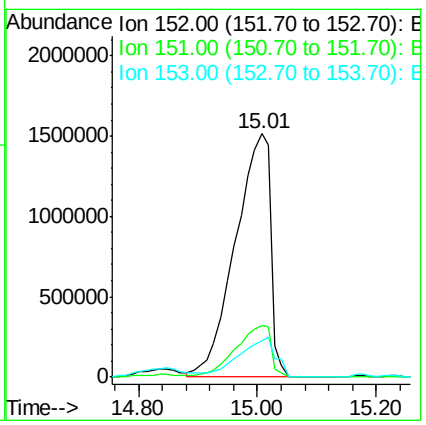


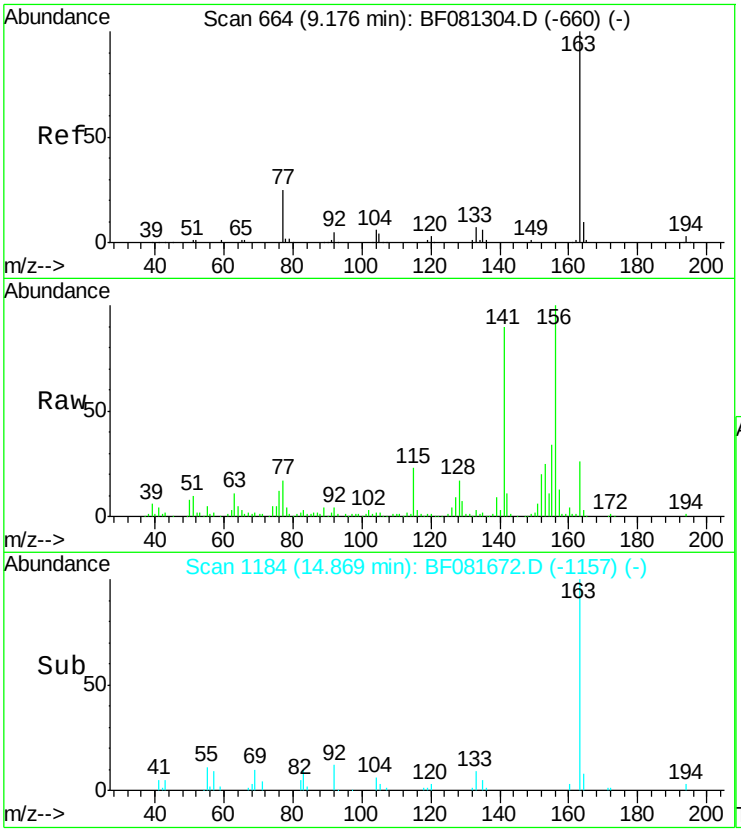


#48
Acenaphthylene
Concen: 768.46 ng
RT: 15.01 min Scan# 1196
Delta R.T. 0.09 min
Lab File: BF081672.D
Acq: 17 Sep 2015 8:29

Tgt Ion:152 Resp: 6246248

Ion	Ratio	Lower	Upper
152	100		
151	21.3	14.6	22.0
153	15.0	10.3	15.5



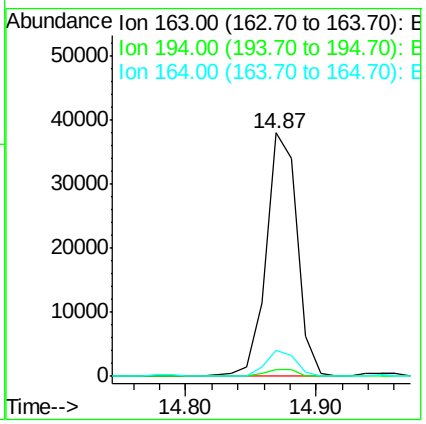


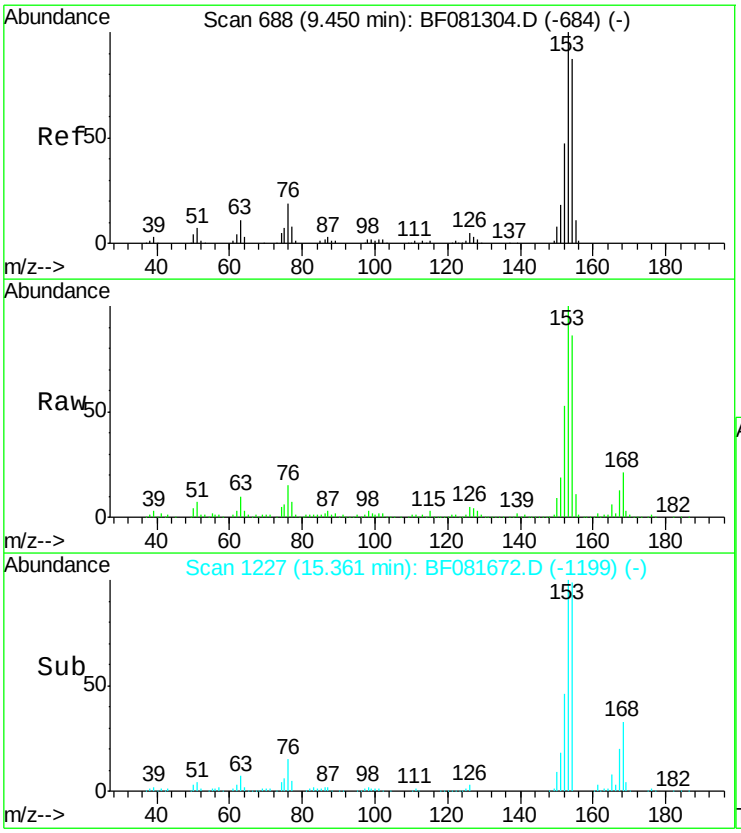
#49
Dimethylphthalate
Concen: 11.85 ng
RT: 14.87 min Scan# 1184
Delta R.T. 0.01 min
Lab File: BF081672.D
Acq: 17 Sep 2015 8:29

Instrument :
BNA_F
ClientSampleId :
MGP204(20-22)

Tgt Ion:163 Resp: 63514

Ion	Ratio	Lower	Upper
163	100		
194	3.0	4.4	6.6#
164	10.6	8.3	12.5

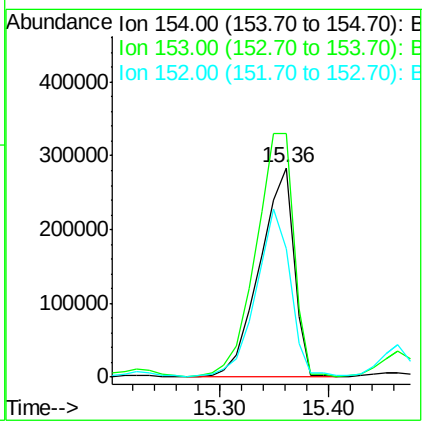


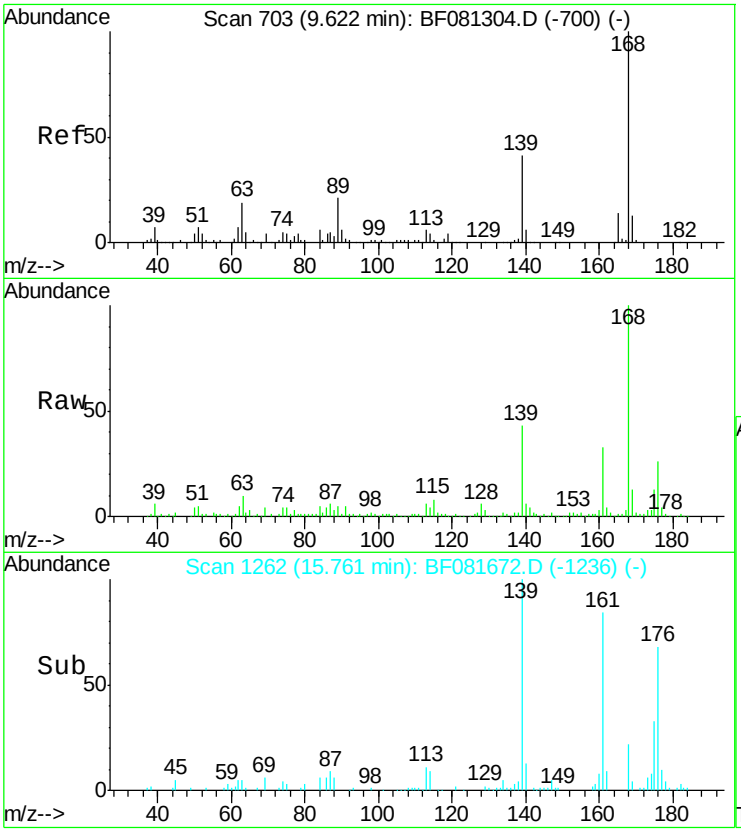


#51
Acenaphthene
Concen: 133.34 ng
RT: 15.36 min Scan# 1227
Delta R.T. 0.02 min
Lab File: BF081672.D
Acq: 17 Sep 2015 8:29

Tgt Ion:154 Resp: 616567

Ion	Ratio	Lower	Upper
154	100		
153	116.2	82.1	123.1
152	61.0	37.9	56.9#



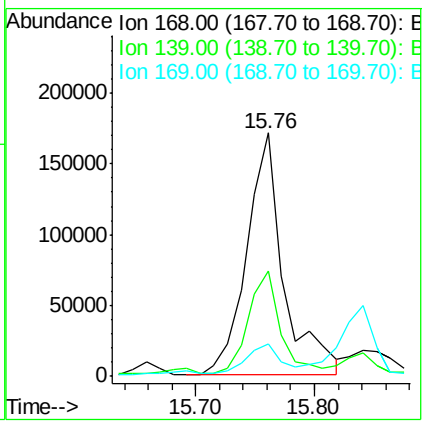


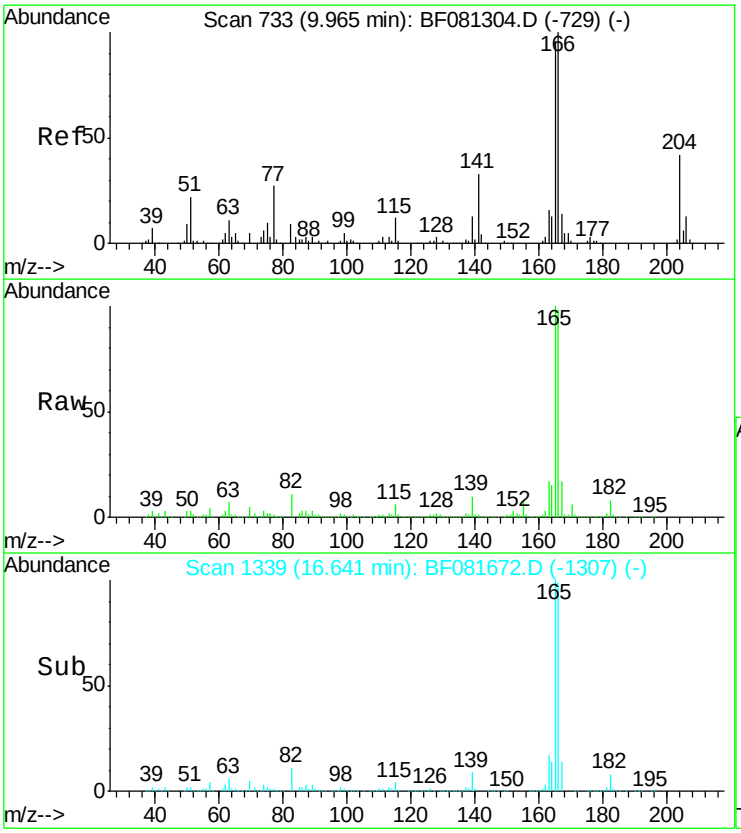
#54
Dibenzofuran
Concen: 54.97 ng
RT: 15.76 min Scan# 1262
Delta R.T. -0.00 min
Lab File: BF081672.D
Acq: 17 Sep 2015 8:29

Instrument :
BNA_F
ClientSampleId :
MGP204(20-22)

Tgt Ion:168 Resp: 371155

Ion	Ratio	Lower	Upper
168	100		
139	43.4	24.2	36.2#
169	13.4	10.6	15.8

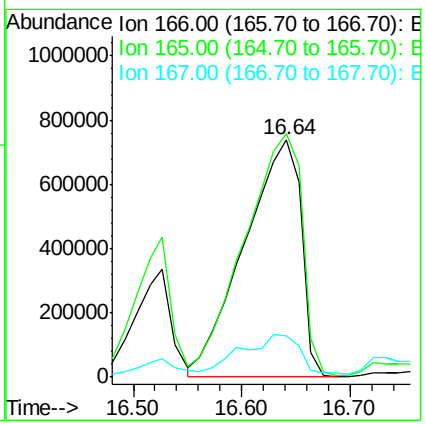


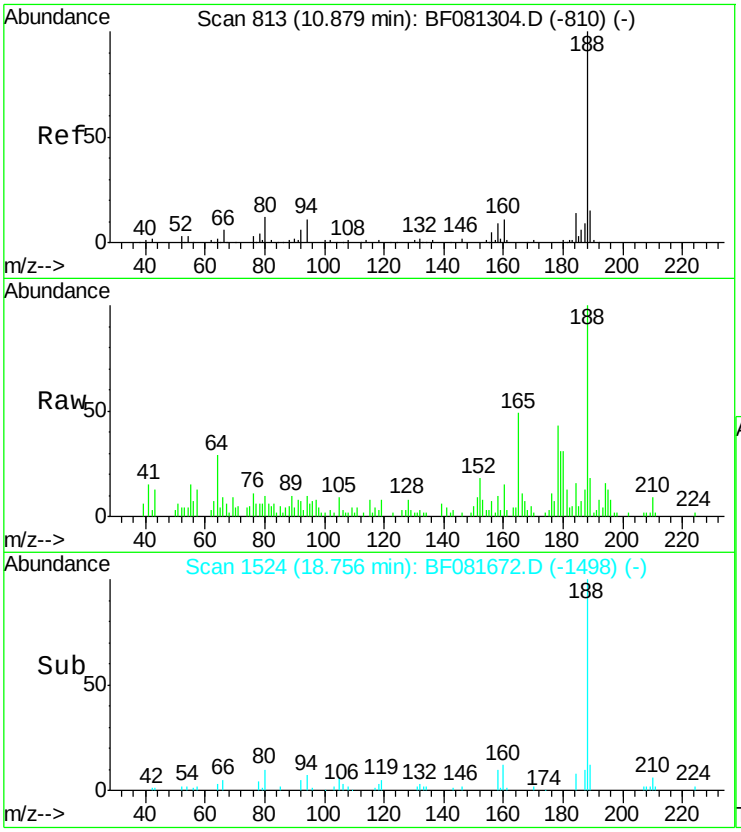


#57
Fluorene
Concen: 524.35 ng m
RT: 16.64 min Scan# 1339
Delta R.T. 0.07 min
Lab File: BF081672.D
Acq: 17 Sep 2015 8:29

Tgt Ion:166 Resp: 2686716

Ion	Ratio	Lower	Upper
166	100		
165	102.5	72.6	109.0
167	17.3	10.6	16.0#



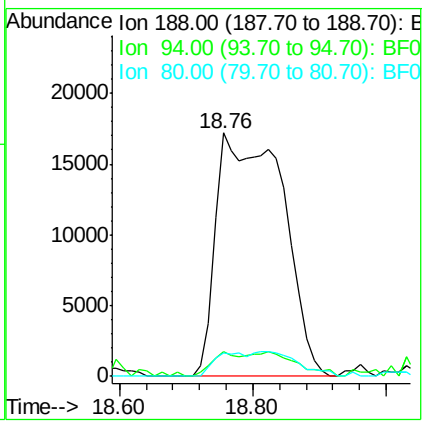


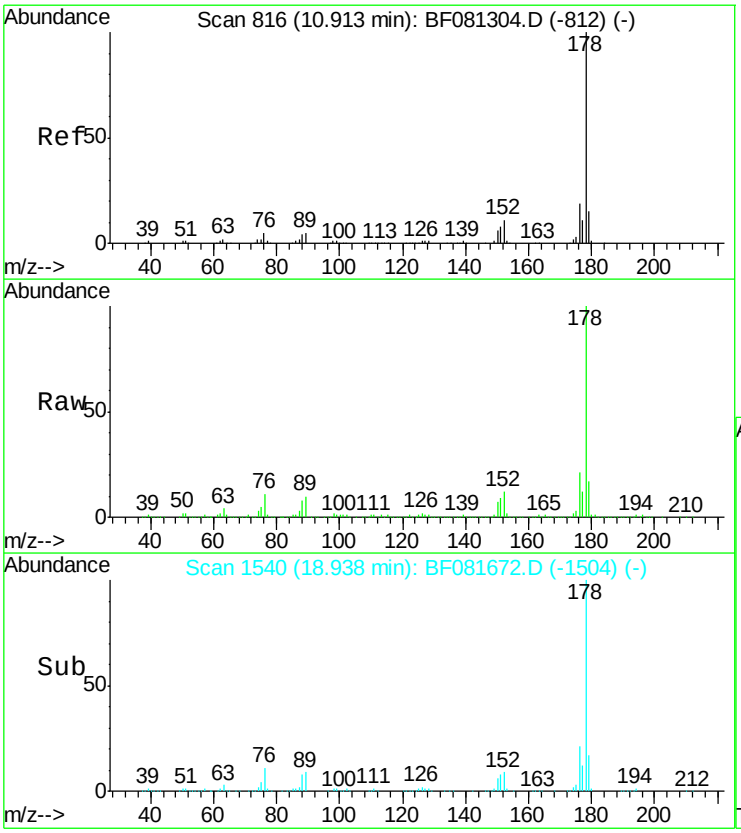
#63
Phenanthrene-d10
Concen: 20.00 ng m
RT: 18.76 min Scan# 1524
Delta R.T. -0.00 min
Lab File: BF081672.D
Acq: 17 Sep 2015 8:29

Instrument :
BNA_F
ClientSampleId :
MGP204(20-22)

Tgt Ion:188 Resp: 119701

Ion	Ratio	Lower	Upper
188	100		
94	9.9	11.1	16.7#
80	9.8	11.0	16.4#

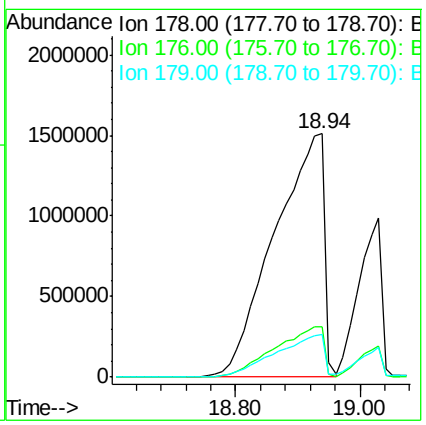


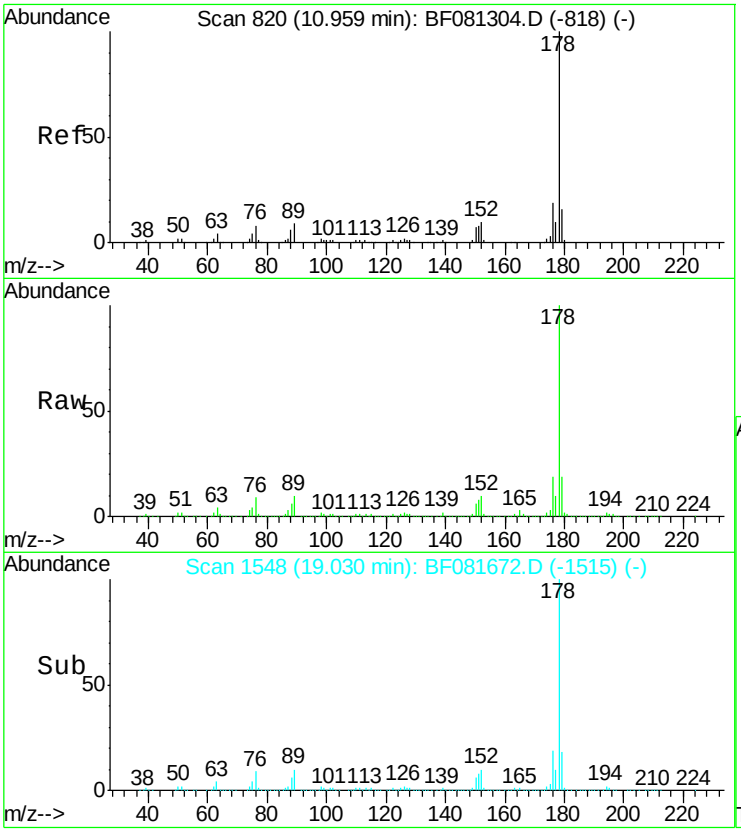


#70
Phenanthrene
Concen: 1250.73 ng
RT: 18.94 min Scan# 1540
Delta R.T. 0.11 min
Lab File: BF081672.D
Acq: 17 Sep 2015 8:29

Tgt Ion:178 Resp: 8323269

Ion	Ratio	Lower	Upper
178	100		
176	20.7	13.8	20.8
179	17.4	12.2	18.2



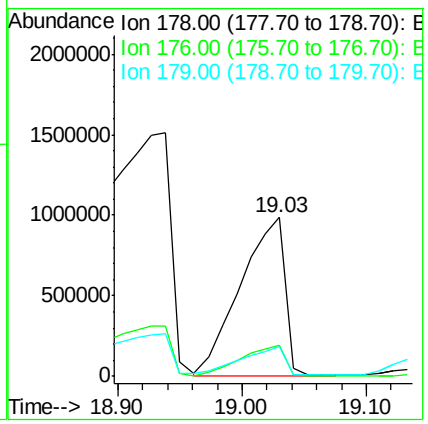


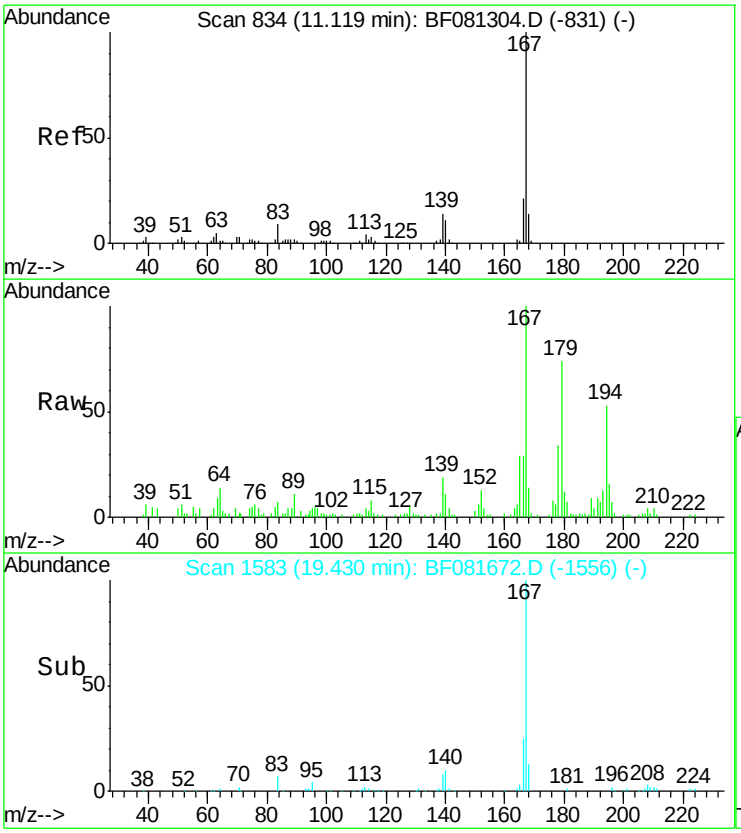
#71
Anthracene
Concen: 364.97 ng m
RT: 19.03 min Scan# 1548
Delta R.T. 0.08 min
Lab File: BF081672.D
Acq: 17 Sep 2015 8:29

Instrument :
BNA_F
ClientSampleId :
MGP204(20-22)

Tgt Ion:178 Resp: 2495244

Ion	Ratio	Lower	Upper
178	100		
176	19.5	14.1	21.1
179	18.7	12.2	18.2#

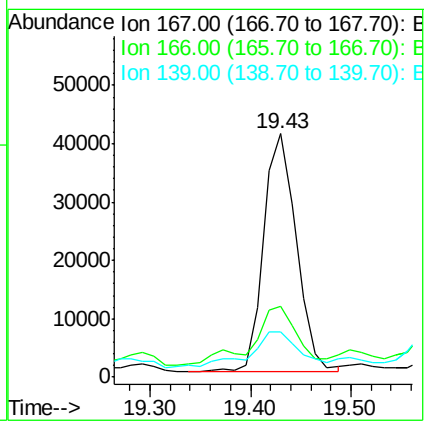


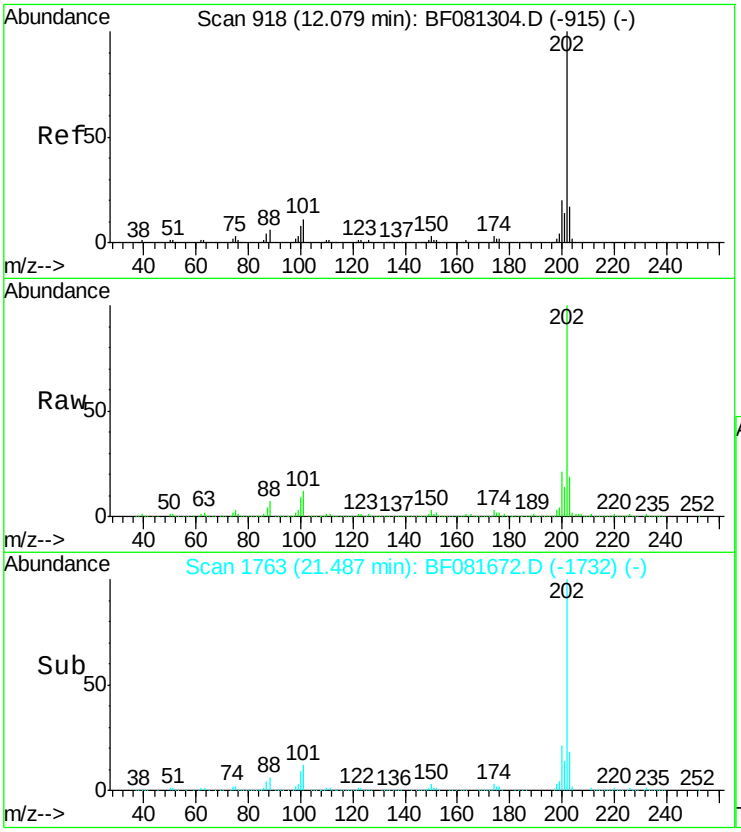


#72
Carbazole
Concen: 14.50 ng
RT: 19.43 min Scan# 1583
Delta R.T. 0.01 min
Lab File: BF081672.D
Acq: 17 Sep 2015 8:29

Tgt Ion:167 Resp: 93033

Ion	Ratio	Lower	Upper
167	100		
166	29.2	15.7	23.5#
139	18.5	9.5	14.3#



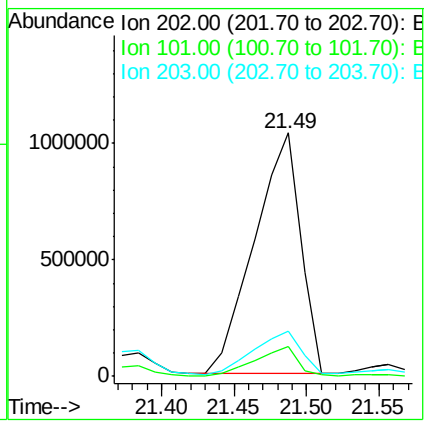


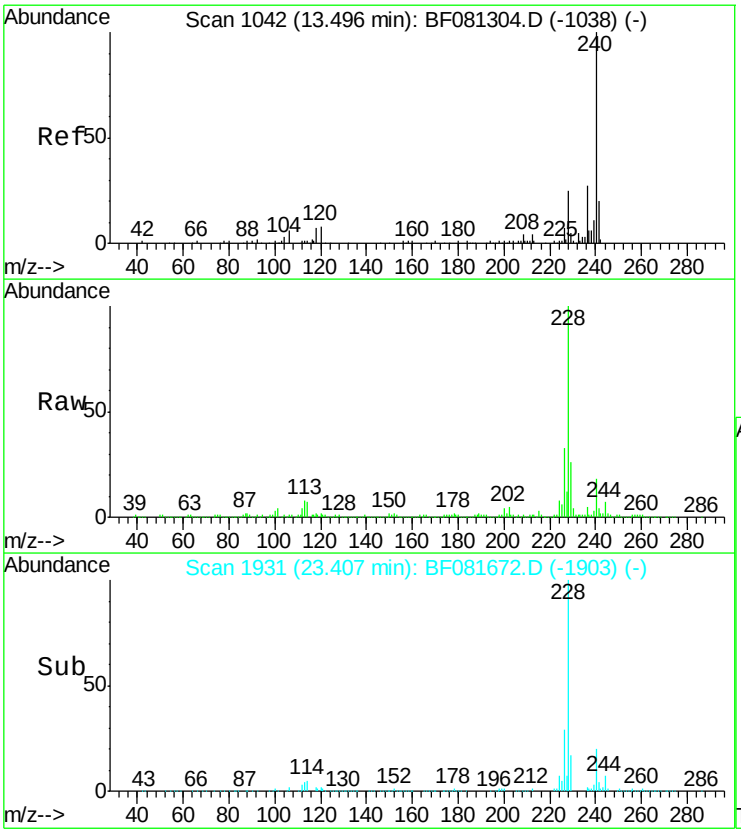
#74
Fluoranthene
Concen: 315.66 ng
RT: 21.49 min Scan# 1763
Delta R.T. 0.06 min
Lab File: BF081672.D
Acq: 17 Sep 2015 8:29

Instrument :
BNA_F
ClientSampleId :
MGP204(20-22)

Tgt Ion:202 Resp: 2274020

Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	38.3
203	18.8	0.0	37.3

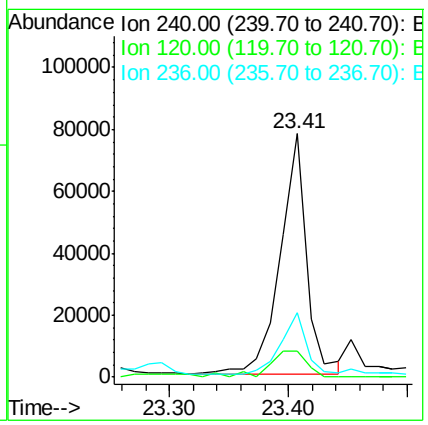


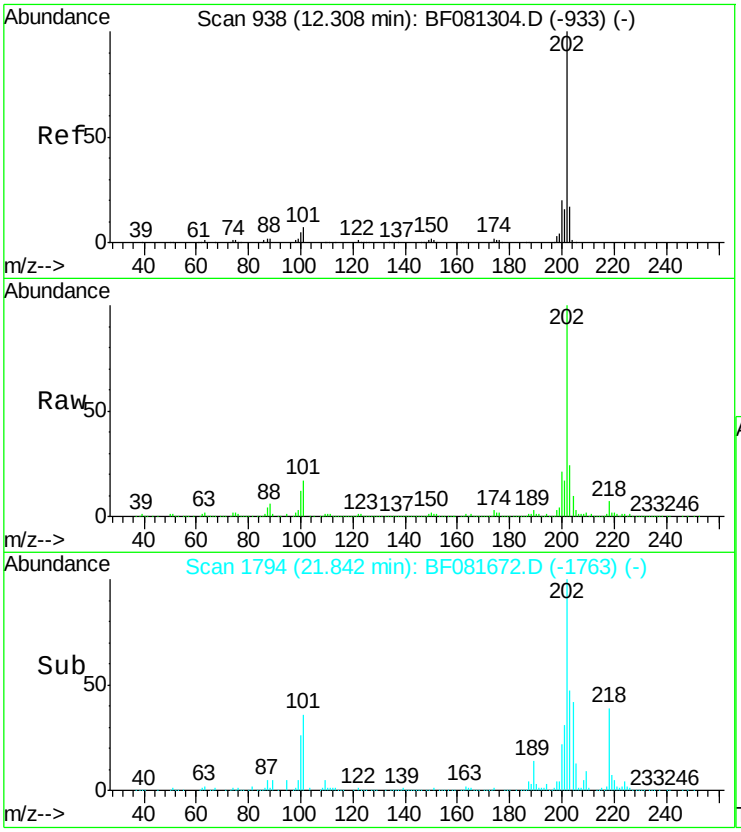


#75
Chrysene-d12
Concen: 20.00 ng
RT: 23.41 min Scan# 1931
Delta R.T. 0.02 min
Lab File: BF081672.D
Acq: 17 Sep 2015 8:29

Tgt Ion:240 Resp: 117827

Ion	Ratio	Lower	Upper
240	100		
120	10.8	16.2	24.2#
236	26.6	18.4	27.6



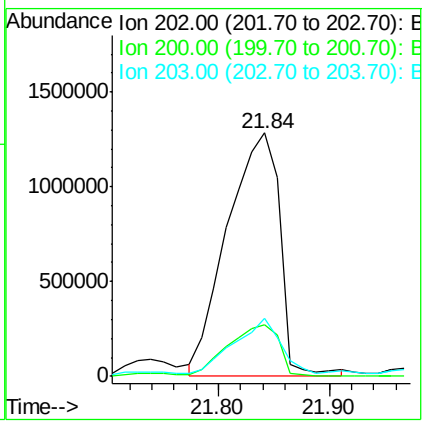


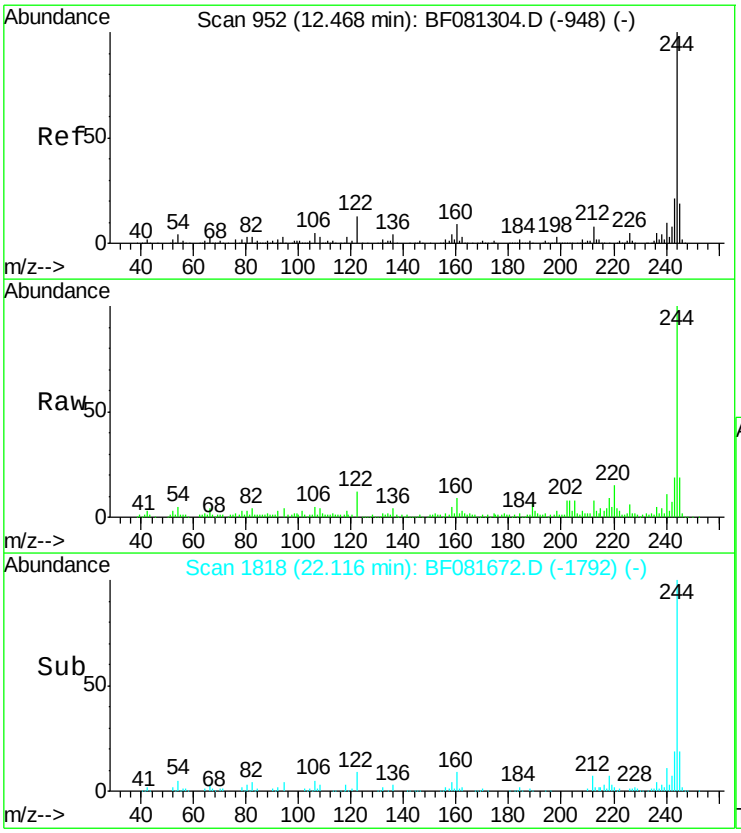
#77
Pyrene
Concen: 482.33 ng m
RT: 21.84 min Scan# 1794
Delta R.T. 0.06 min
Lab File: BF081672.D
Acq: 17 Sep 2015 8:29

Instrument :
BNA_F
ClientSampleId :
MGP204(20-22)

Tgt Ion:202 Resp: 4209742

Ion	Ratio	Lower	Upper
202	100		
200	21.1	15.0	22.4
203	24.1	14.1	21.1#

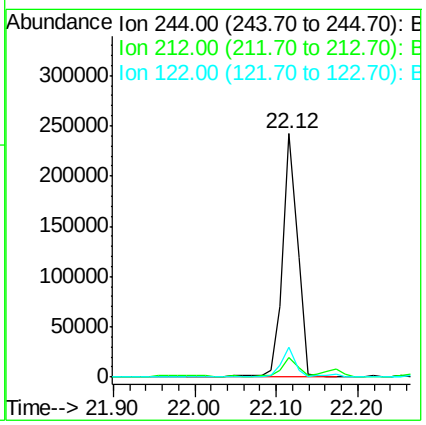


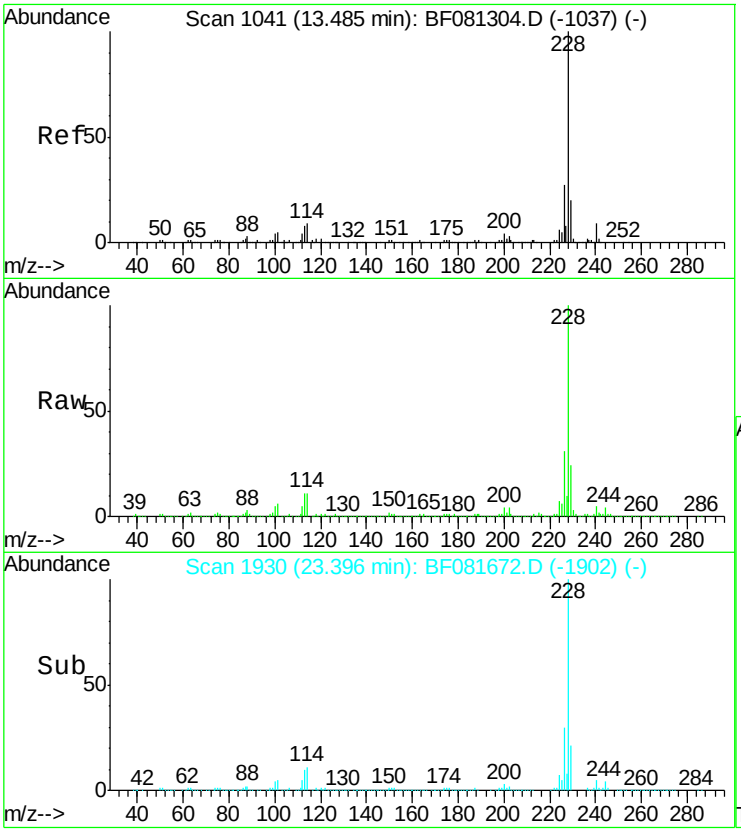


#78
Terphenyl-d14
Concen: 61.20 ng
RT: 22.12 min Scan# 1818
Delta R.T. -0.00 min
Lab File: BF081672.D
Acq: 17 Sep 2015 8:29

Tgt Ion:244 Resp: 309759

Ion	Ratio	Lower	Upper
244	100		
212	8.3	4.3	6.5#
122	12.0	17.4	26.2#



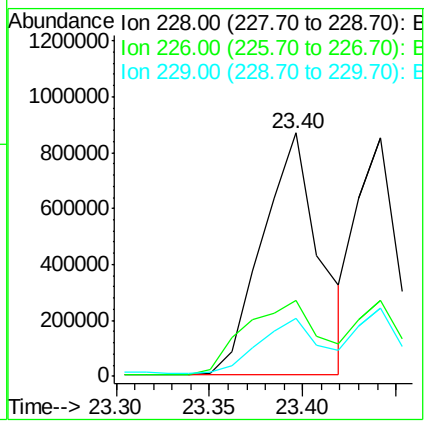


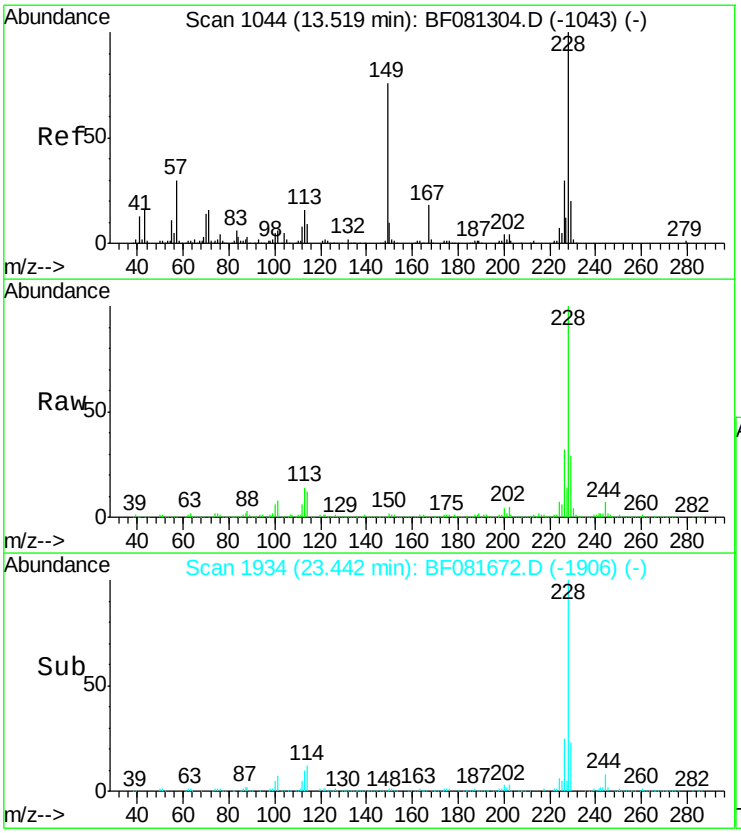
#80
Benzo(a)anthracene
Concen: 247.23 ng
RT: 23.40 min Scan# 1930
Delta R.T. 0.02 min
Lab File: BF081672.D
Acq: 17 Sep 2015 8:29

Instrument :
BNA_F
ClientSampleId :
MGP204(20-22)

Tgt Ion:228 Resp: 1855114

Ion	Ratio	Lower	Upper
228	100		
226	31.1	20.0	30.0#
229	23.6	15.4	23.2#

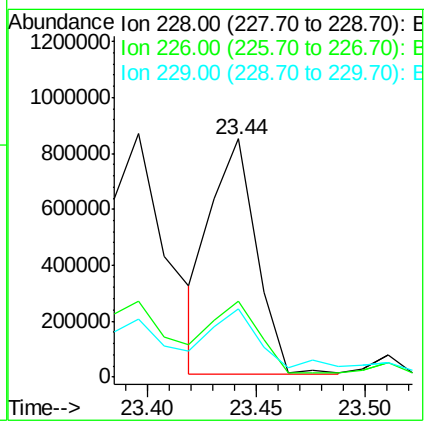


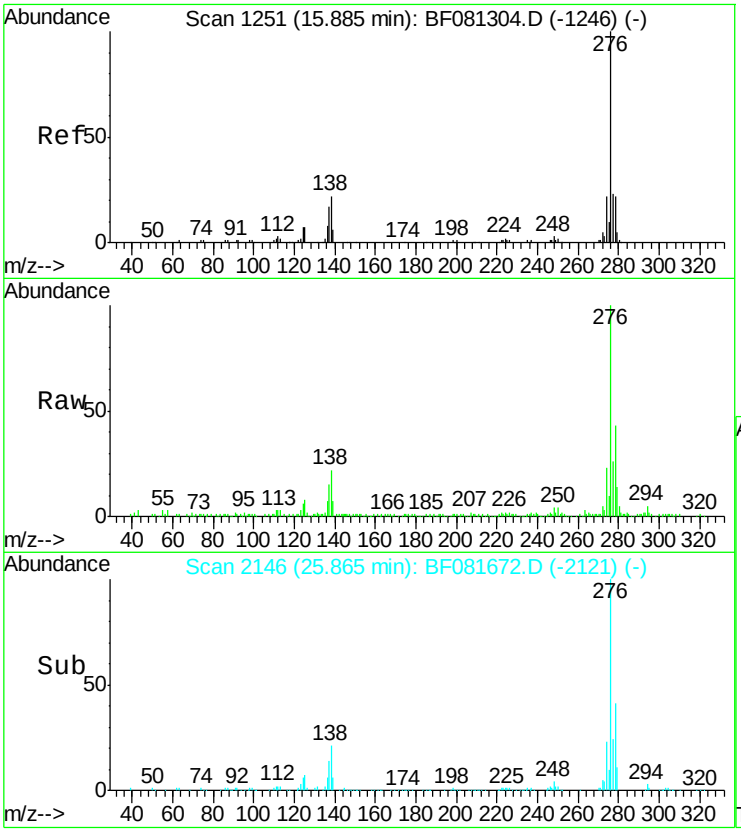


#82
Chrysene
Concen: 182.28 ng
RT: 23.44 min Scan# 1934
Delta R.T. 0.02 min
Lab File: BF081672.D
Acq: 17 Sep 2015 8:29

Tgt Ion:228 Resp: 1226061

Ion	Ratio	Lower	Upper
228	100		
226	31.6	21.0	31.4#
229	28.8	15.6	23.4#



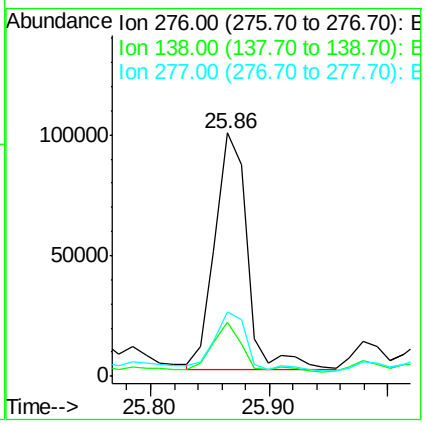


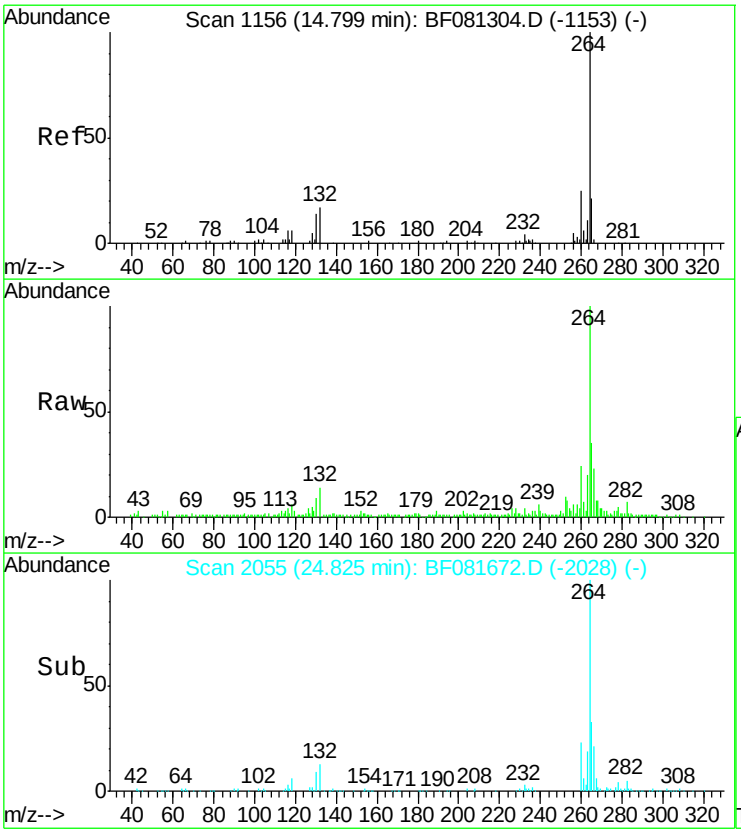
#85
Indeno(1,2,3-cd)pyrene
Concen: 37.93 ng
RT: 25.86 min Scan# 2146
Delta R.T. -0.01 min
Lab File: BF081672.D
Acq: 17 Sep 2015 8:29

Instrument :
BNA_F
ClientSampleId :
MGP204(20-22)

Tgt Ion:276 Resp: 187164

Ion	Ratio	Lower	Upper
276	100		
138	18.6	25.7	38.5#
277	25.5	15.6	23.4#

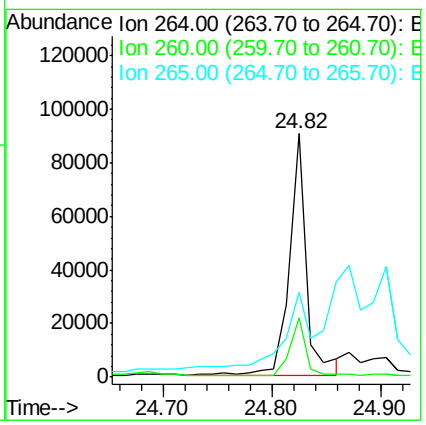


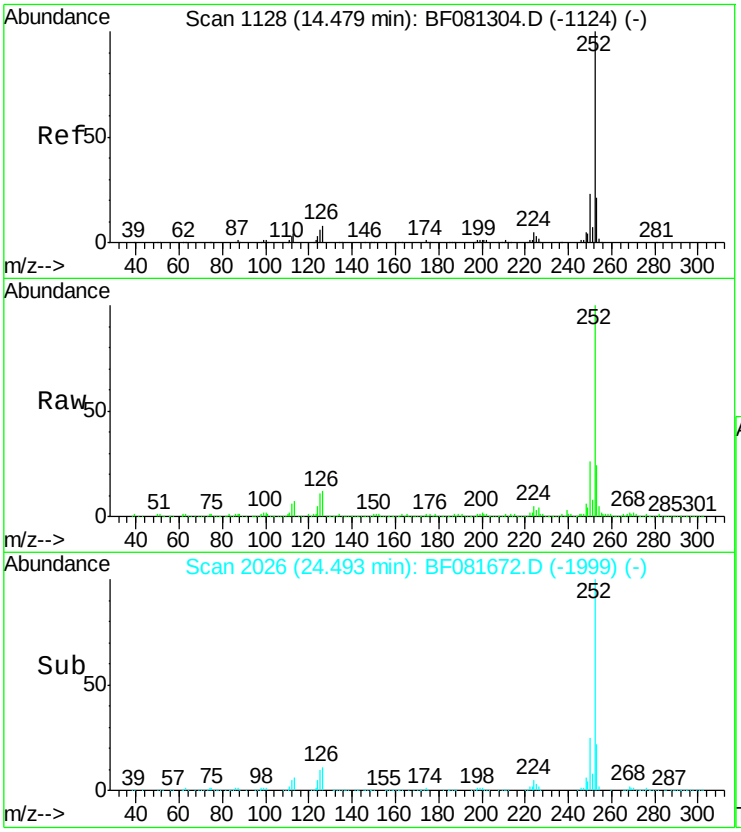


#86
Perylene-d12
Concen: 20.00 ng
RT: 24.82 min Scan# 2055
Delta R.T. 0.01 min
Lab File: BF081672.D
Acq: 17 Sep 2015 8:29

Tgt Ion:264 Resp: 99913

Ion	Ratio	Lower	Upper
264	100		
260	24.4	16.7	25.1
265	35.1	17.2	25.8#



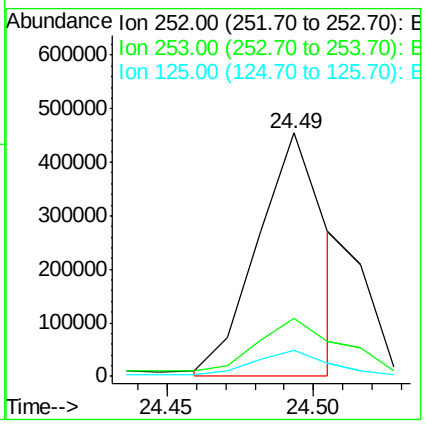


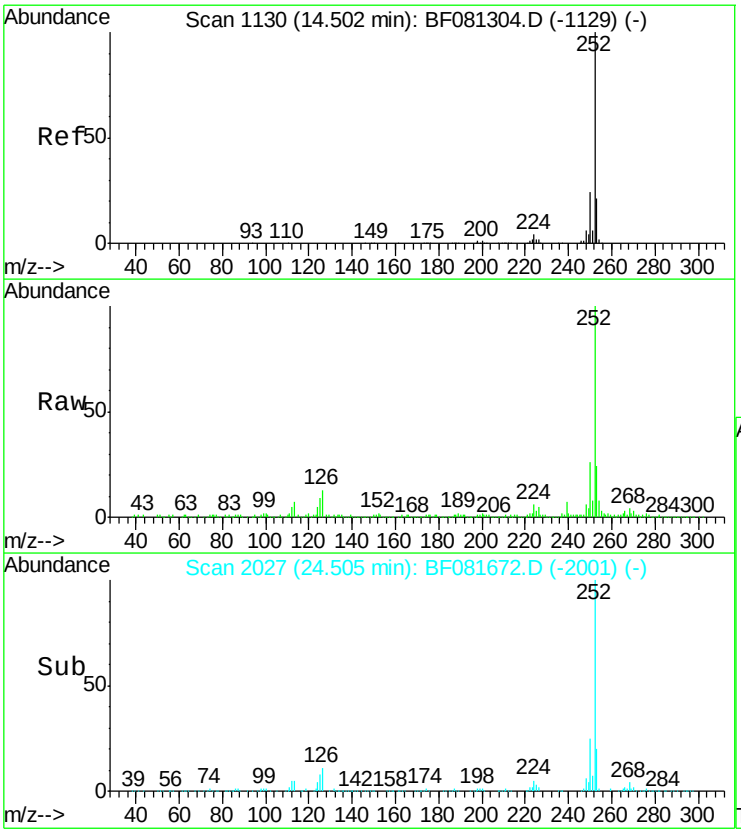
#87
Benzo(b)fluoranthene
Concen: 102.68 ng m
RT: 24.49 min Scan# 2026
Delta R.T. 0.01 min
Lab File: BF081672.D
Acq: 17 Sep 2015 8:29

Instrument :
BNA_F
ClientSampleId :
MGP204(20-22)

Tgt Ion:252 Resp: 732441

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.5	26.3
125	10.7	17.1	25.7#

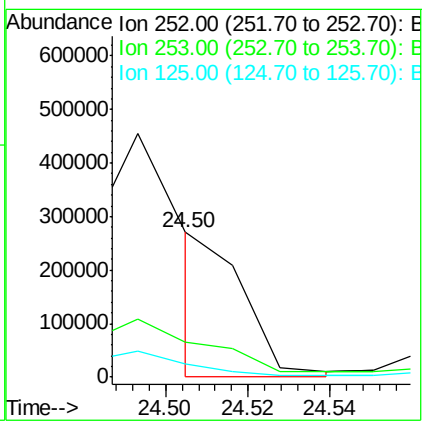


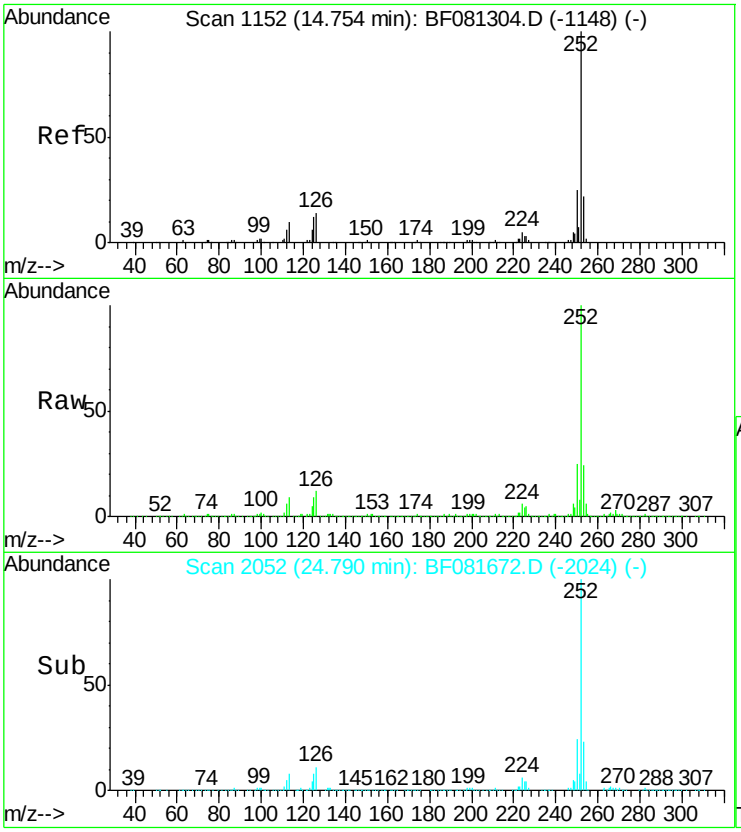


#88
Benzo(k)fluoranthene
Concen: 27.50 ng m
RT: 24.50 min Scan# 2027
Delta R.T. -0.00 min
Lab File: BF081672.D
Acq: 17 Sep 2015 8:29

Tgt Ion:252 Resp: 162753

Ion	Ratio	Lower	Upper
252	100		
253	24.3	17.0	25.4
125	9.3	16.0	24.0#



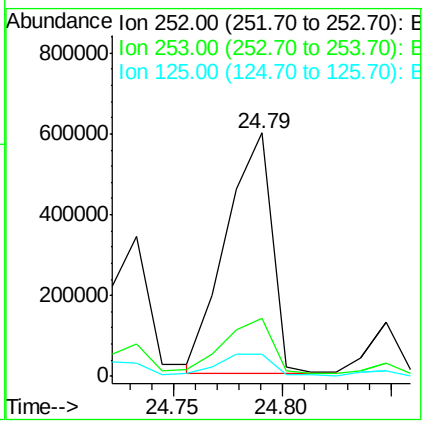


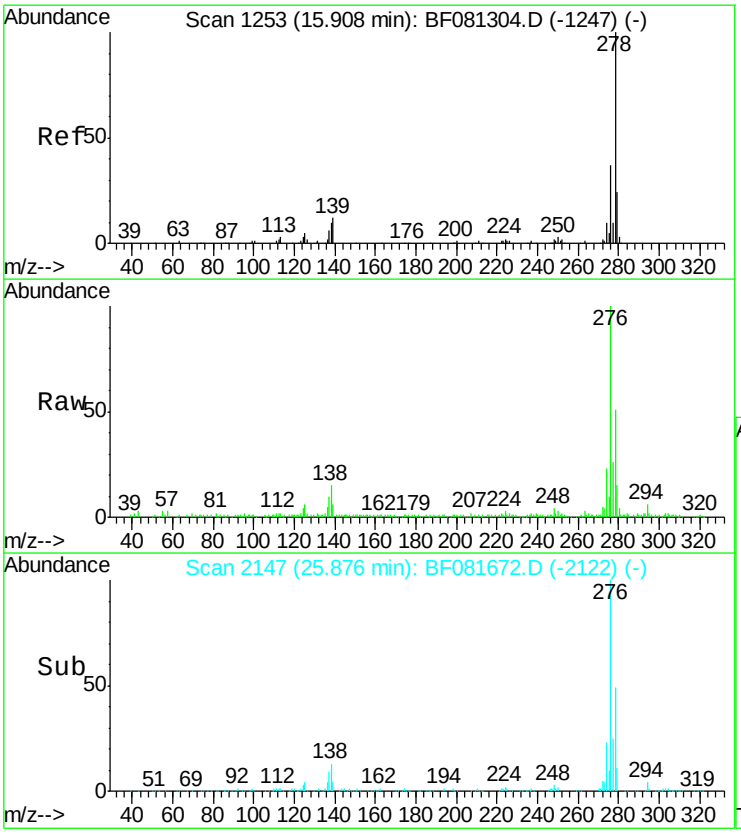
#89
Benzo(a)pyrene
Concen: 144.62 ng
RT: 24.79 min Scan# 2052
Delta R.T. 0.02 min
Lab File: BF081672.D
Acq: 17 Sep 2015 8:29

Instrument :
BNA_F
ClientSampleId :
MGP204(20-22)

Tgt Ion:252 Resp: 874180

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.2	25.8
125	8.9	18.0	27.0#

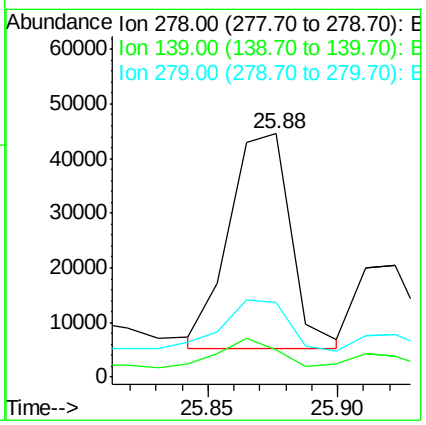


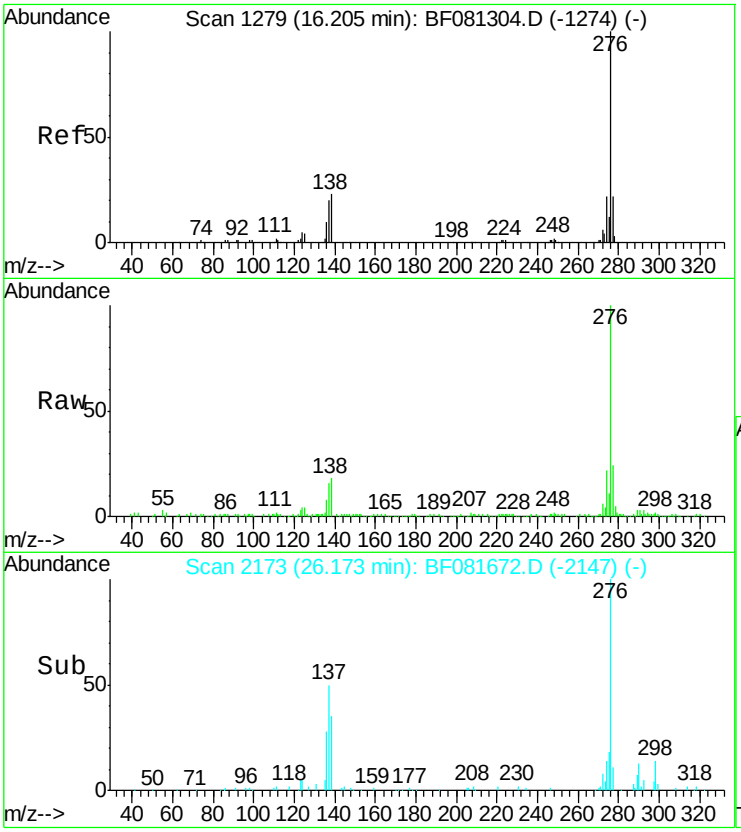


#90
Dibenzo(a,h)anthracene
Concen: 13.99 ng m
RT: 25.88 min Scan# 2147
Delta R.T. -0.01 min
Lab File: BF081672.D
Acq: 17 Sep 2015 8:29

Tgt Ion:278 Resp: 65357

Ion	Ratio	Lower	Upper
278	100		
139	11.4	26.3	39.5#
279	30.6	18.2	27.4#





#91
Benzo(g,h,i)perylene
Concen: 38.43 ng
RT: 26.17 min Scan# 2173
Delta R.T. -0.00 min
Lab File: BF081672.D
Acq: 17 Sep 2015 8:29

Instrument :
BNA_F
ClientSampleId :
MGP204(20-22)

Tgt Ion:276 Resp: 171332

Ion	Ratio	Lower	Upper
276	100		
277	24.1	17.8	26.6
138	17.9	34.6	51.8#