Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091715\
Data File : BF081692.D
Acq On : 17 Sep 2015 23:10
Operator : UM/IZ
Sample : G3654-05DL2 100X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MGP204(20-22)DL2

Quant Time: Sep 18 05:49:36 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	8.17	152	27610	20.00	ng		-0.04
21) Naphthalene-d8	11.08	136	118835	20.00	ng		-0.04
38) Acenaphthene-d10	15.20	164	56464	20.00	ng		-0.06
63) Phenanthrene-d10	18.70	188	107758	20.00	ng		-0.06
75) Chrysene-d12	23.35	240	65230	20.00	ng		-0.03
86) Perylene-d12	24.79	264	52315	20.00	ng		-0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.38	112	1205	0.68	ng		0.04
7) Phenol-d6	7.67	99	2961	1.26	ng		0.02
23) Nitrobenzene-d5	9.49	82	1918	0.78	ng		-0.04
41) 2,4,6-Tribromophenol	17.12	330	472	0.94	ng		-0.04
44) 2-Fluorobiphenyl	13.71	172	5073	1.15	ng		-0.07
78) Terphenyl-d14	22.07	244	3810	1.36	ng		-0.04
Target Compounds							Qvalue
31) Naphthalene	11.13	128	628927	99.24	ng		98
37) 2-Methylnaphthalene	12.78	142	192051	46.57	ng	#	90
45) 1,1'-Biphenyl	13.91	154	18480	3.56	ng		94
48) Acenaphthylene	14.85	152	89228	13.41	ng		96
51) Acenaphthene	15.27	154	8422	2.22	ng	#	72
57) Fluorene	16.51	166	37769	9.00	ng	#	90
70) Phenanthrene	18.76	178	137075	22.88	ng		97
71) Anthracene	18.88	178	35898	5.83	ng		98
74) Fluoranthene	21.39	202	32985	5.09	ng		87
77) Pyrene	21.74	202	55345	11.45	ng		98
80) Benzo(a)anthracene	23.34	228	19361	4.66	ng	#	88
82) Chrysene	23.37	228	13180	3.54	ng	#	85
89) Benzo(a)pyrene	24.73	252	8245	2.61	ng	#	88

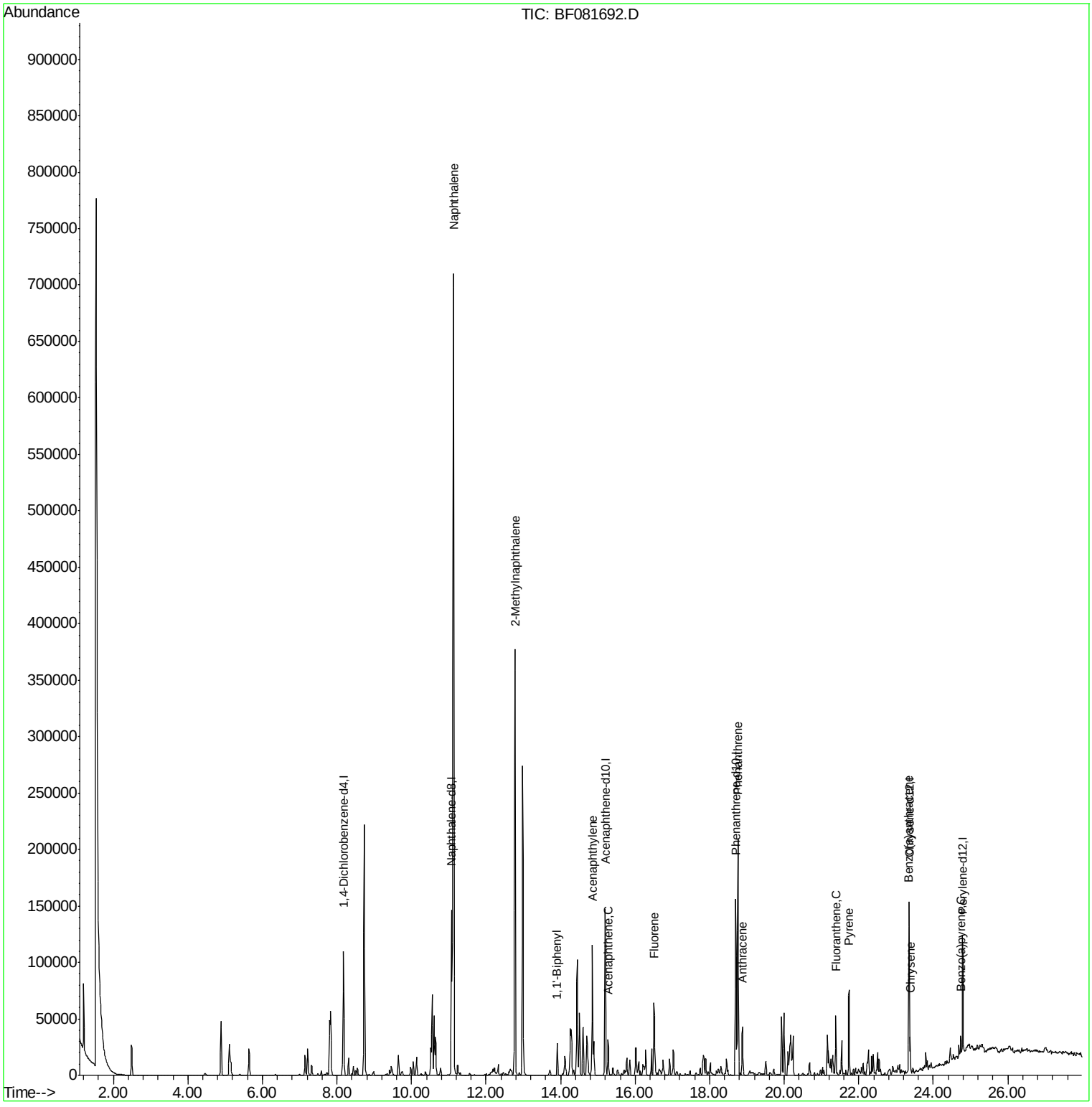
(#) = qualifier out of range (m) = manual integration (+) = signals summed

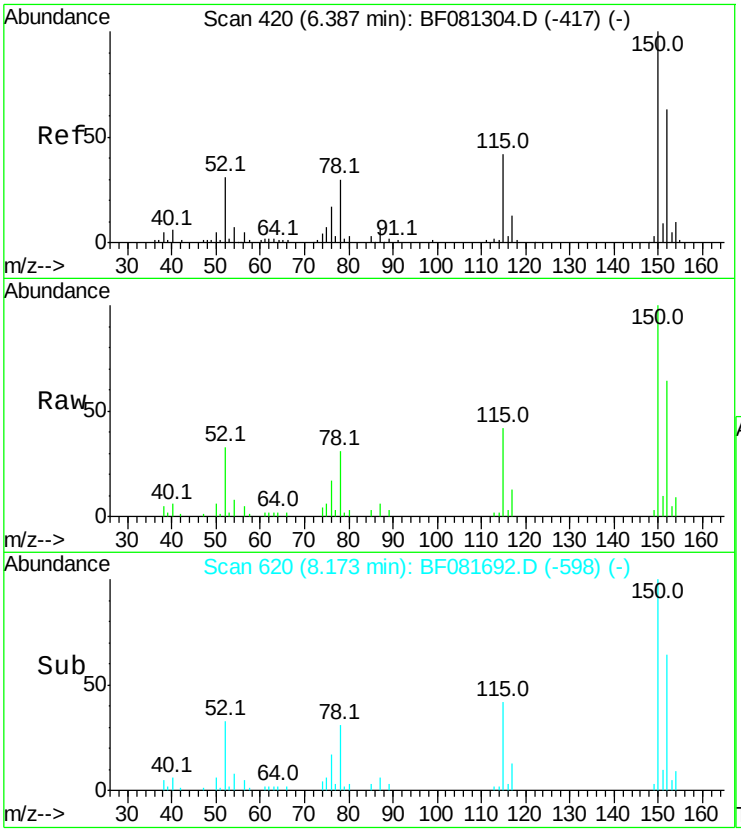
Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF091715\
Data File : BF081692.D
Acq On : 17 Sep 2015 23:10
Operator : UM/IZ
Sample : G3654-05DL2 100X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MGP204(20-22)DL2

Quant Time: Sep 18 05:49:36 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



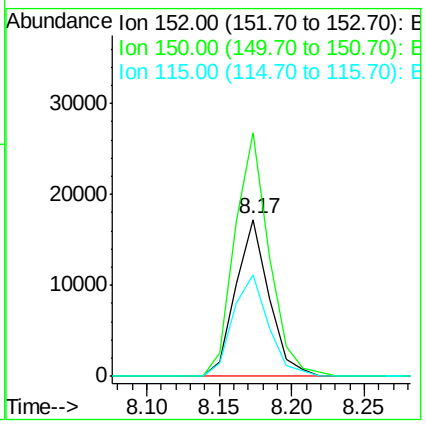


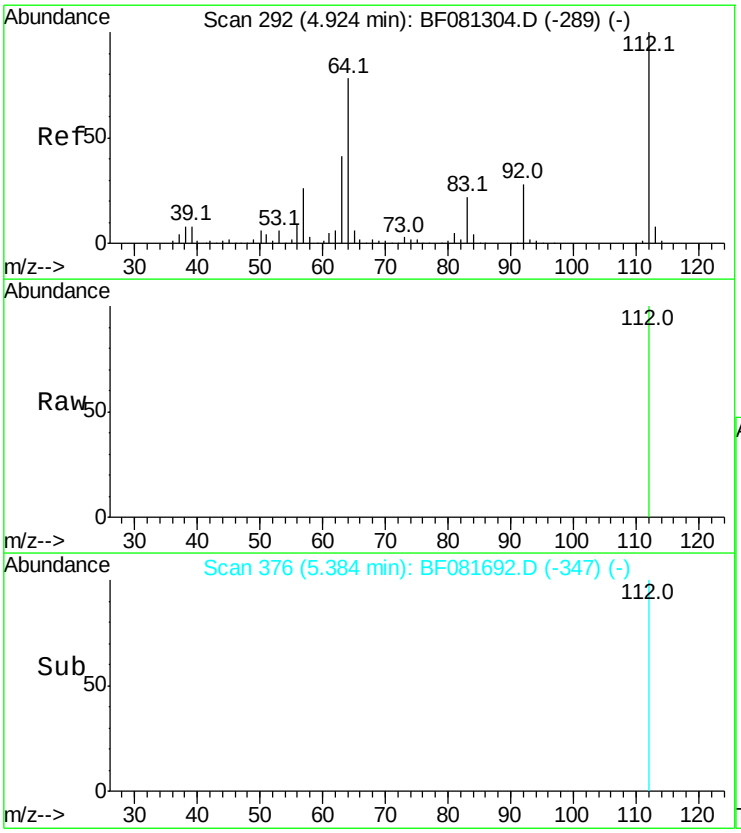
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.17 min Scan# 620
Delta R.T. -0.04 min
Lab File: BF081692.D
Acq: 17 Sep 2015 23:10

Instrument :
BNA_F
ClientSampleId :
MGP204(20-22)DL2

Tgt Ion:152 Resp: 27610

Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.7	187.1
115	65.1	39.0	58.4#

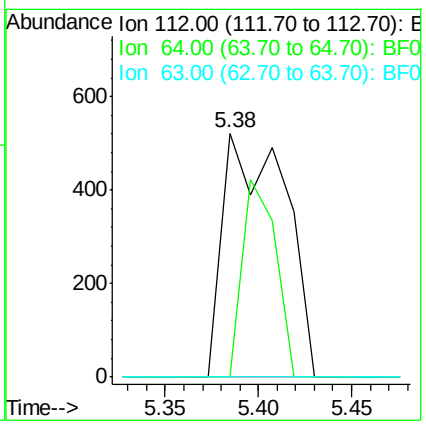


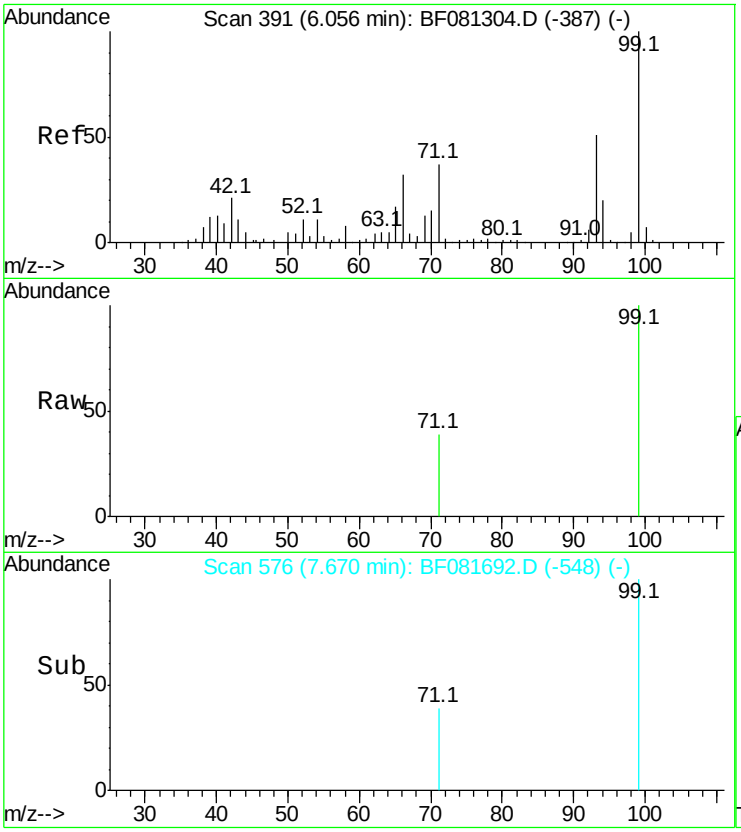


#5
2-Fluorophenol
Concen: 0.68 ng
RT: 5.38 min Scan# 376
Delta R.T. 0.04 min
Lab File: BF081692.D
Acq: 17 Sep 2015 23:10

Tgt Ion:112 Resp: 1205

Ion	Ratio	Lower	Upper
112	100		
64	0.0	39.7	59.5#
63	0.0	17.4	26.0#



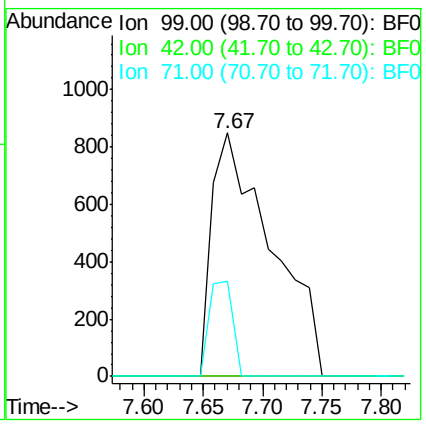


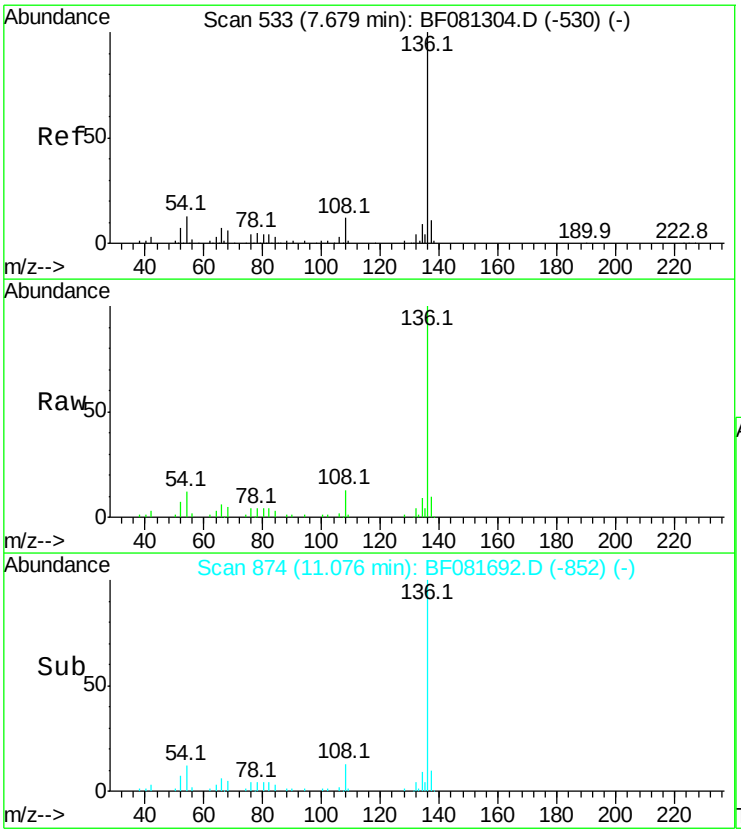
#7
Phenol-d6
Concen: 1.26 ng
RT: 7.67 min Scan# 576
Delta R.T. 0.02 min
Lab File: BF081692.D
Acq: 17 Sep 2015 23:10

Instrument :
BNA_F
ClientSampleId :
MGP204(20-22)DL2

Tgt Ion: 99 Resp: 2961

Ion	Ratio	Lower	Upper
99	100		
42	0.0	13.7	20.5#
71	39.0	14.2	21.2#

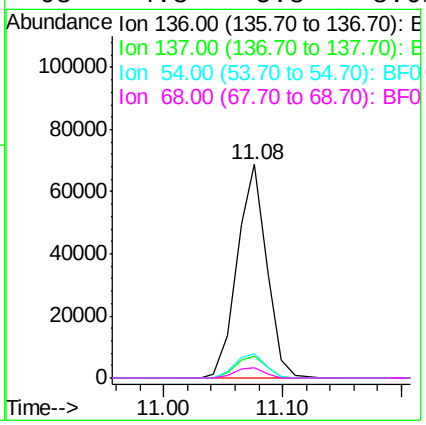


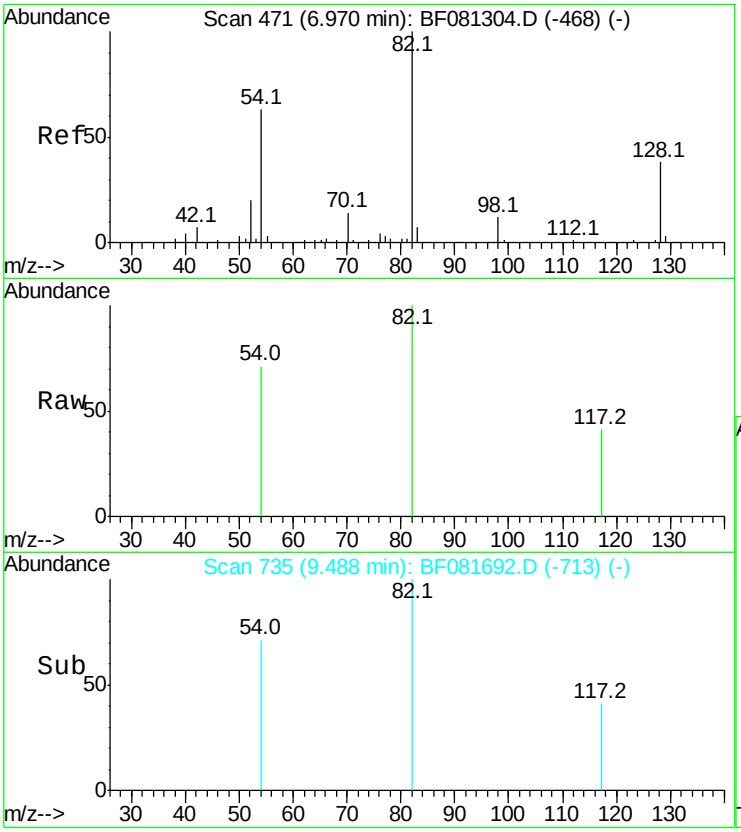


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.08 min Scan# 874
Delta R.T. -0.04 min
Lab File: BF081692.D
Acq: 17 Sep 2015 23:10

Tgt Ion:136 Resp: 118835

Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.0	13.6
54	11.6	8.2	12.2
68	4.8	5.8	8.6#



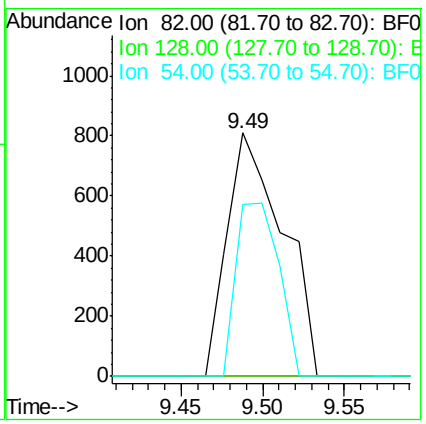


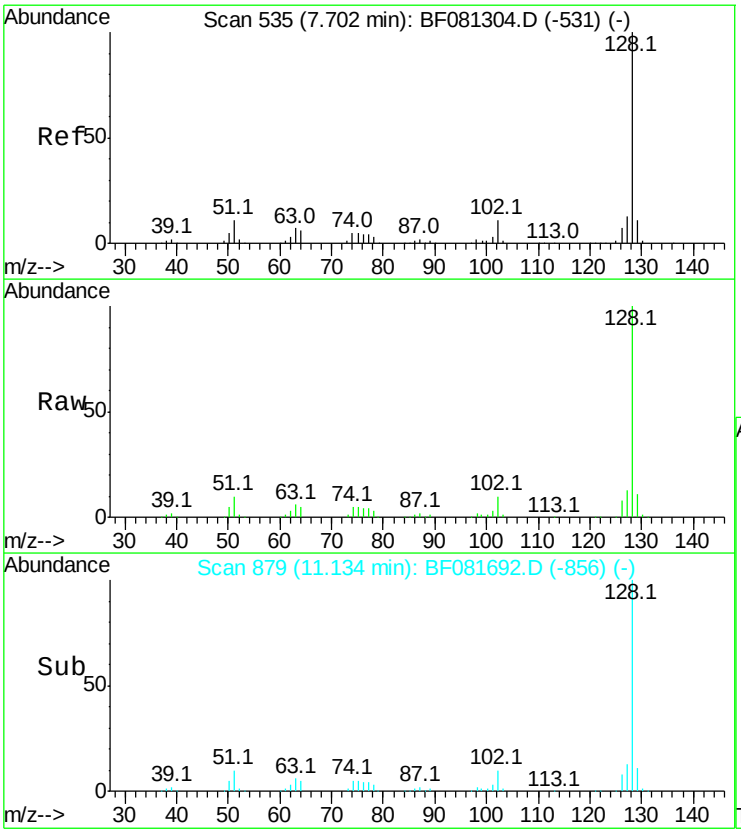
#23
Nitrobenzene-d5
Concen: 0.78 ng
RT: 9.49 min Scan# 735
Delta R.T. -0.04 min
Lab File: BF081692.D
Acq: 17 Sep 2015 23:10

Instrument :
BNA_F
ClientSampleId :
MGP204(20-22)DL2

Tgt Ion: 82 Resp: 1918

Ion	Ratio	Lower	Upper
82	100		
128	0.0	51.0	76.6#
54	70.6	47.5	71.3

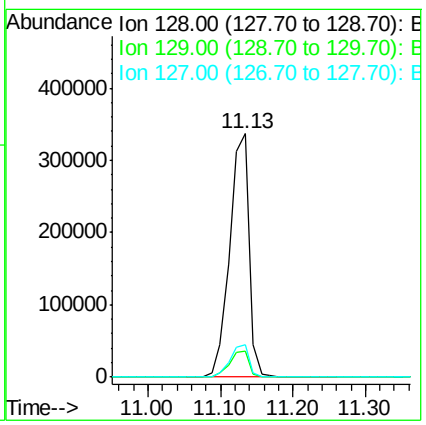


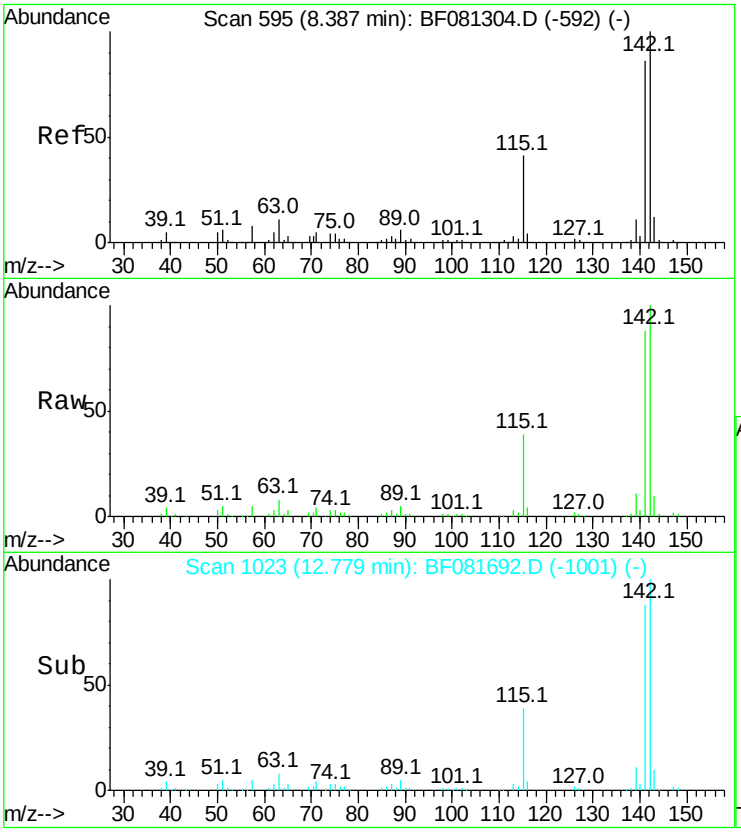


#31
Naphthalene
Concen: 99.24 ng
RT: 11.13 min Scan# 879
Delta R.T. -0.03 min
Lab File: BF081692.D
Acq: 17 Sep 2015 23:10

Tgt Ion:128 Resp: 628927

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.4	12.6
127	13.4	9.9	14.9



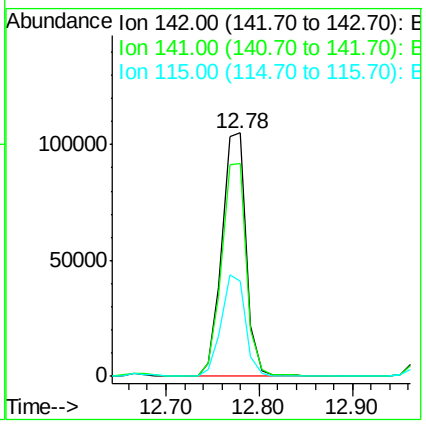


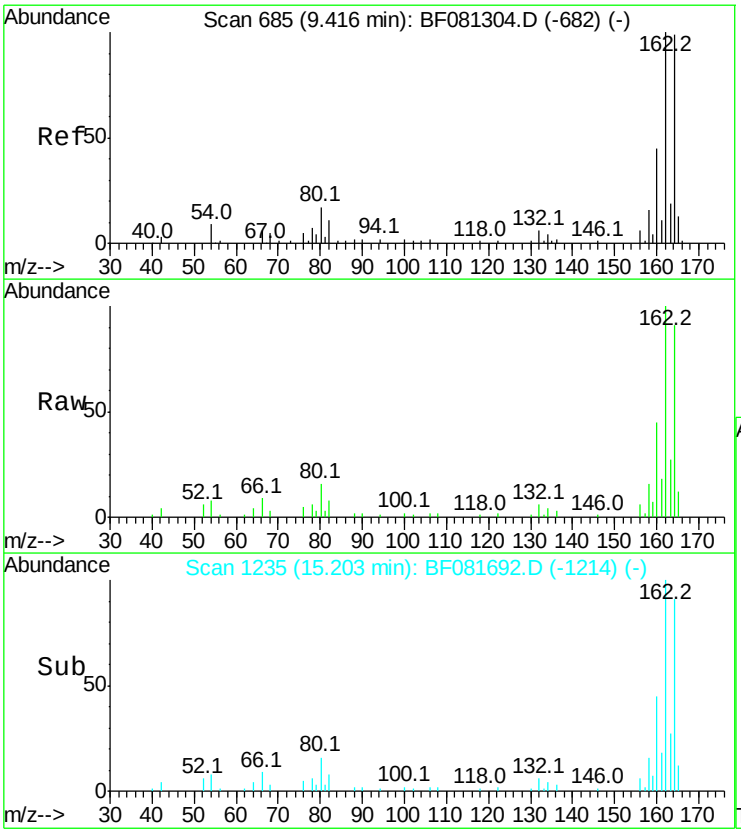
#37
2-Methylnaphthalene
Concen: 46.57 ng
RT: 12.78 min Scan# 1023
Delta R.T. -0.04 min
Lab File: BF081692.D
Acq: 17 Sep 2015 23:10

Instrument :
BNA_F
ClientSampleId :
MGP204(20-22)DL2

Tgt Ion:142 Resp: 192051

Ion	Ratio	Lower	Upper
142	100		
141	87.7	67.5	101.3
115	39.1	18.2	27.2#

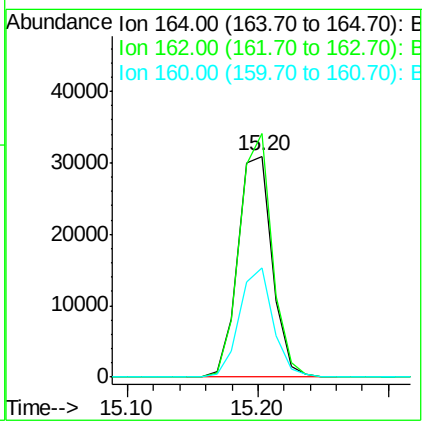


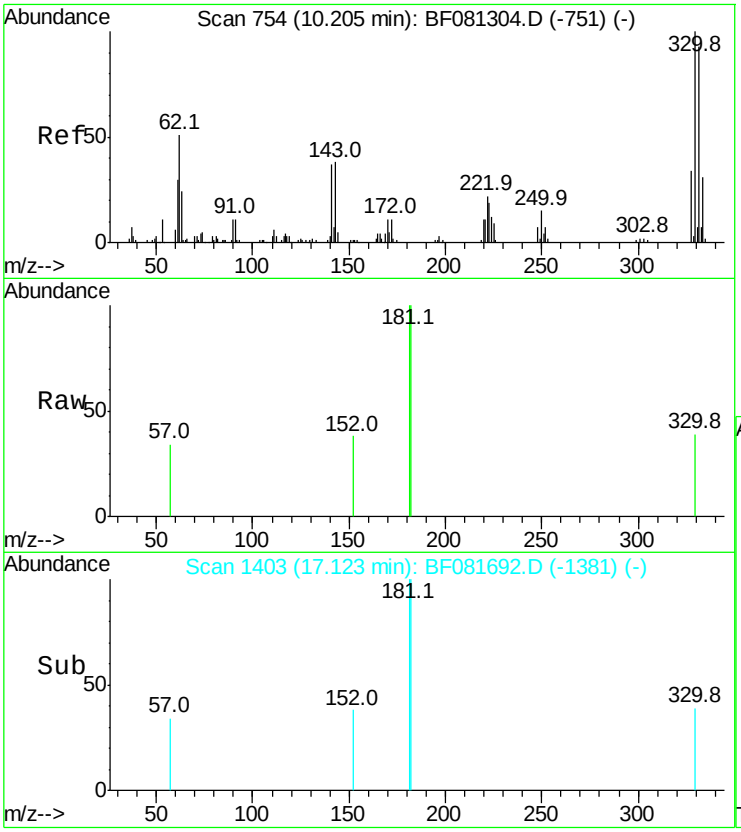


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 15.20 min Scan# 1235
Delta R.T. -0.06 min
Lab File: BF081692.D
Acq: 17 Sep 2015 23:10

Tgt Ion:164 Resp: 56464

Ion	Ratio	Lower	Upper
164	100		
162	110.4	75.2	112.8
160	49.7	31.5	47.3#



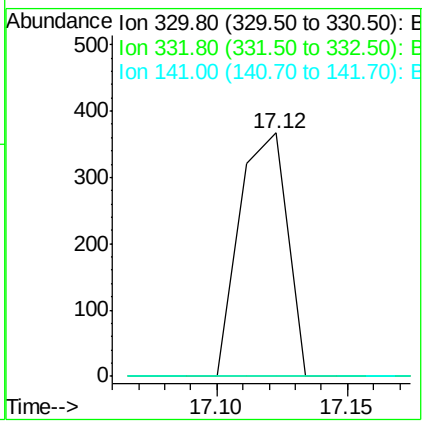


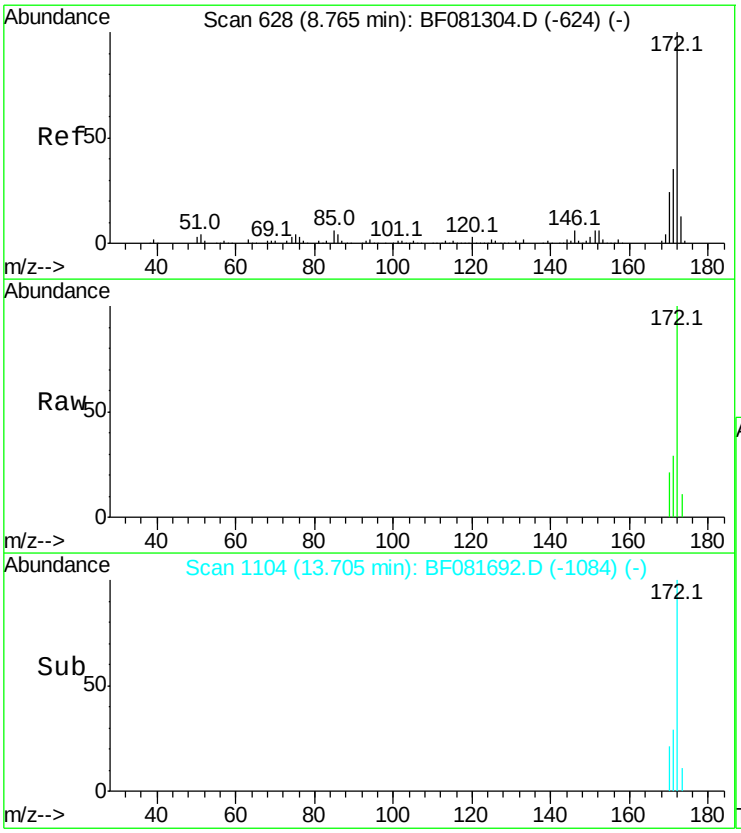
#41
2,4,6-Tribromophenol
Concen: 0.94 ng
RT: 17.12 min Scan# 1403
Delta R.T. -0.04 min
Lab File: BF081692.D
Acq: 17 Sep 2015 23:10

Instrument :
BNA_F
ClientSampleId :
MGP204(20-22)DL2

Tgt Ion:330 Resp: 472

Ion	Ratio	Lower	Upper
330	100		
332	0.0	76.6	114.8#
141	0.0	29.7	44.5#

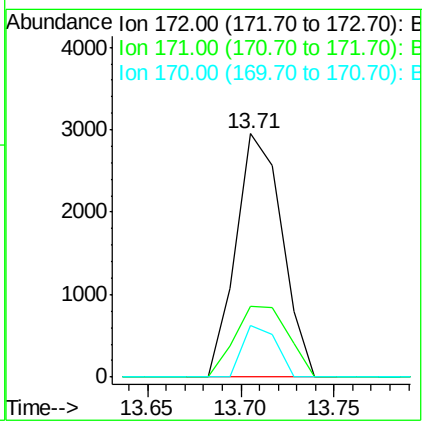


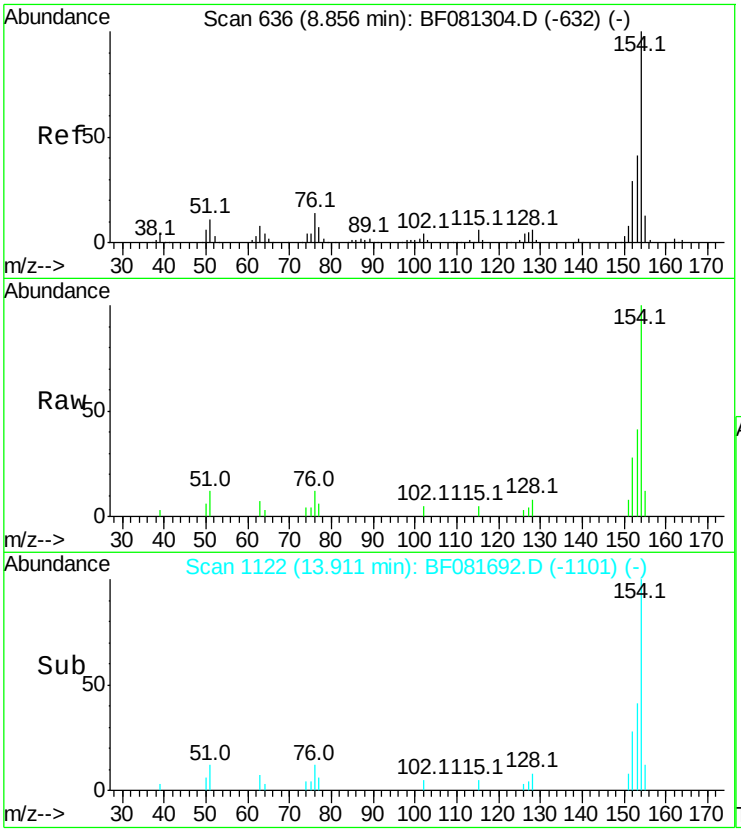


#44
2-Fluorobiphenyl
Concen: 1.15 ng
RT: 13.71 min Scan# 1104
Delta R.T. -0.07 min
Lab File: BF081692.D
Acq: 17 Sep 2015 23:10

Tgt Ion:172 Resp: 5073

Ion	Ratio	Lower	Upper
172	100		
171	29.2	26.1	39.1
170	21.2	17.4	26.2



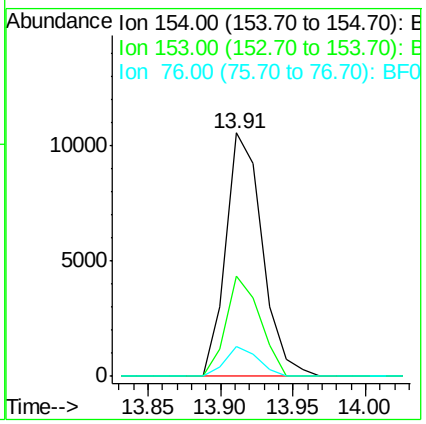


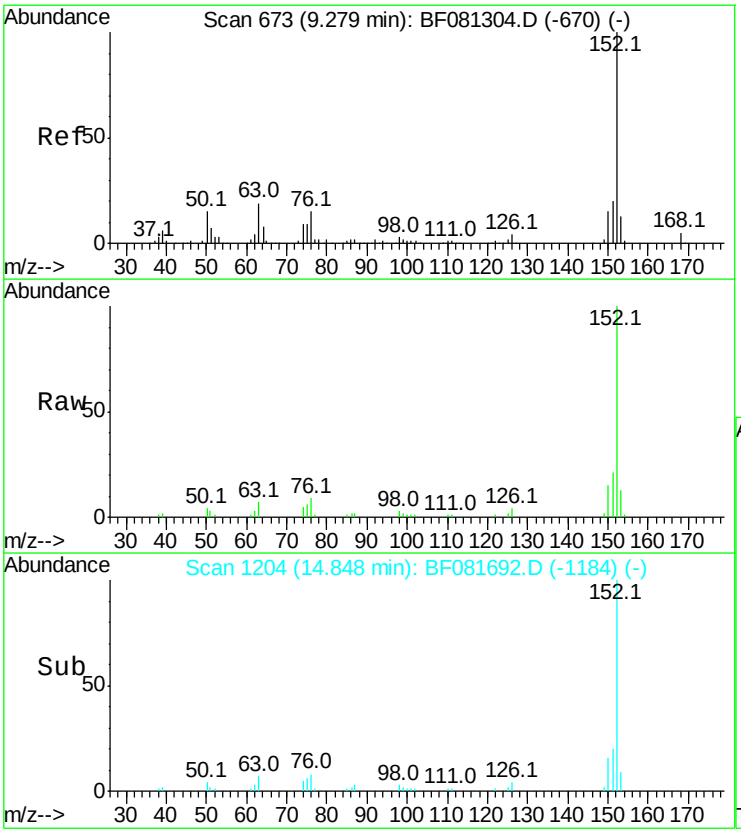
#45
1,1'-Biphenyl
Concen: 3.56 ng
RT: 13.91 min Scan# 1122
Delta R.T. -0.06 min
Lab File: BF081692.D
Acq: 17 Sep 2015 23:10

Instrument :
BNA_F
ClientSampleId :
MGP204(20-22)DL2

Tgt Ion:154 Resp: 18480

Ion	Ratio	Lower	Upper
154	100		
153	41.2	17.1	57.1
76	12.1	0.0	31.6

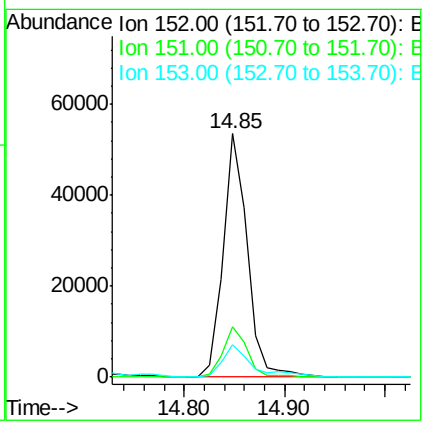


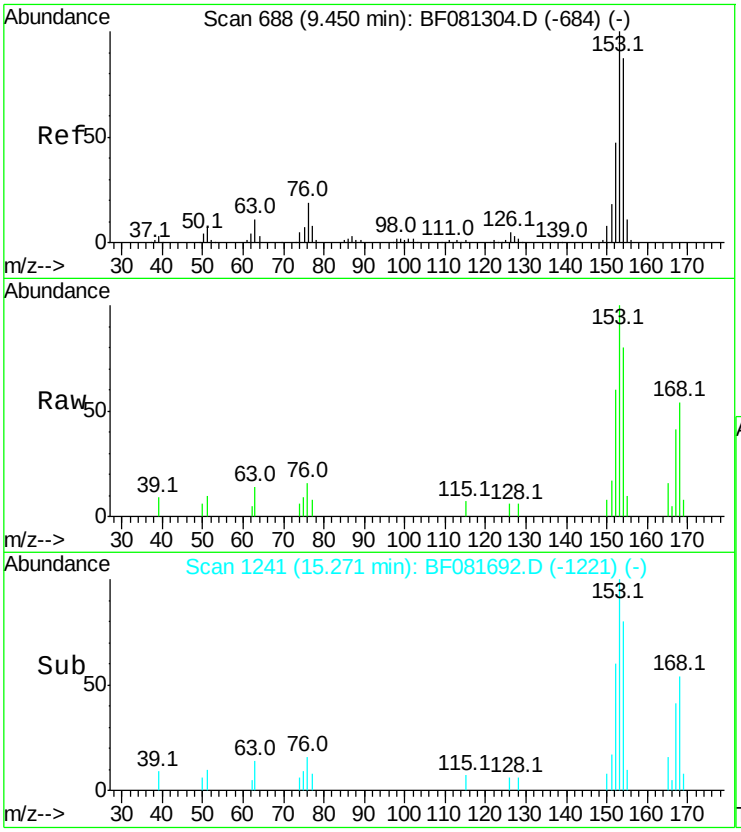


#48
Acenaphthylene
Concen: 13.41 ng
RT: 14.85 min Scan# 1204
Delta R.T. -0.07 min
Lab File: BF081692.D
Acq: 17 Sep 2015 23:10

Tgt Ion:152 Resp: 89228

Ion	Ratio	Lower	Upper
152	100		
151	20.7	14.6	22.0
153	13.2	10.3	15.5



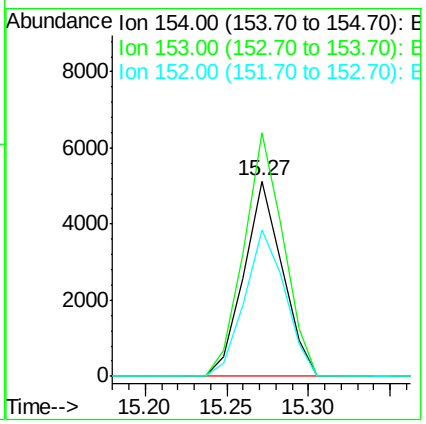


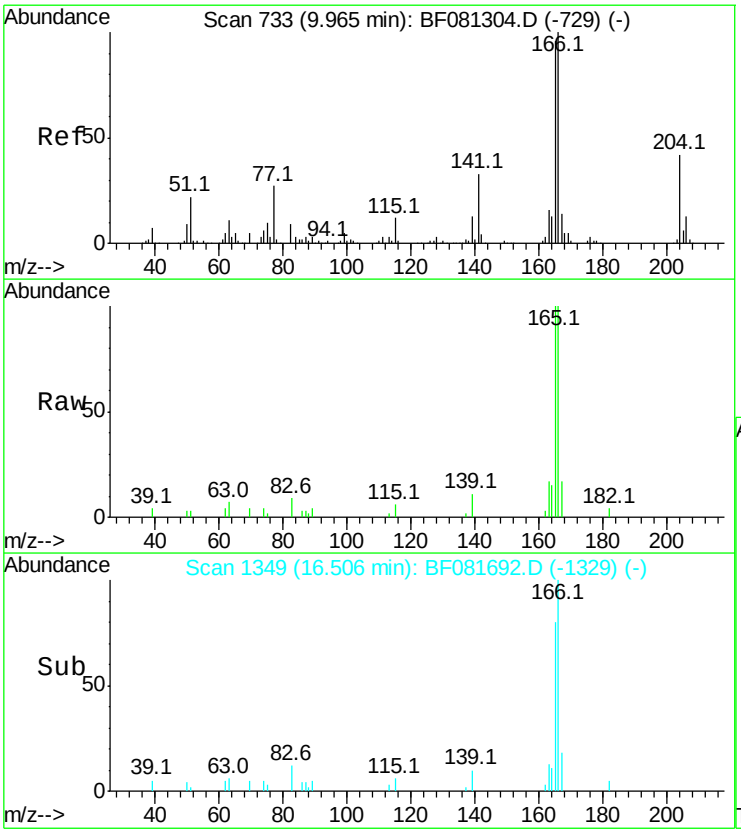
#51
Acenaphthene
Concen: 2.22 ng
RT: 15.27 min Scan# 1241
Delta R.T. -0.07 min
Lab File: BF081692.D
Acq: 17 Sep 2015 23:10

Instrument :
BNA_F
ClientSampleId :
MGP204(20-22)DL2

Tgt Ion:154 Resp: 8422

Ion	Ratio	Lower	Upper
154	100		
153	124.8	82.1	123.1#
152	74.7	37.9	56.9#

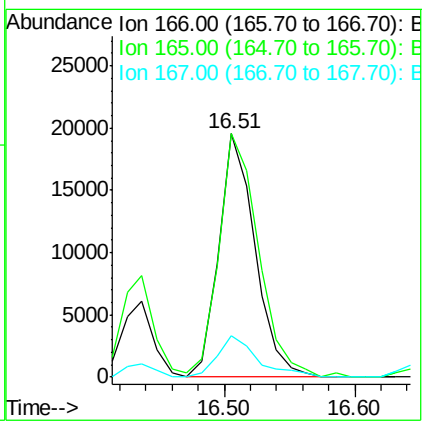


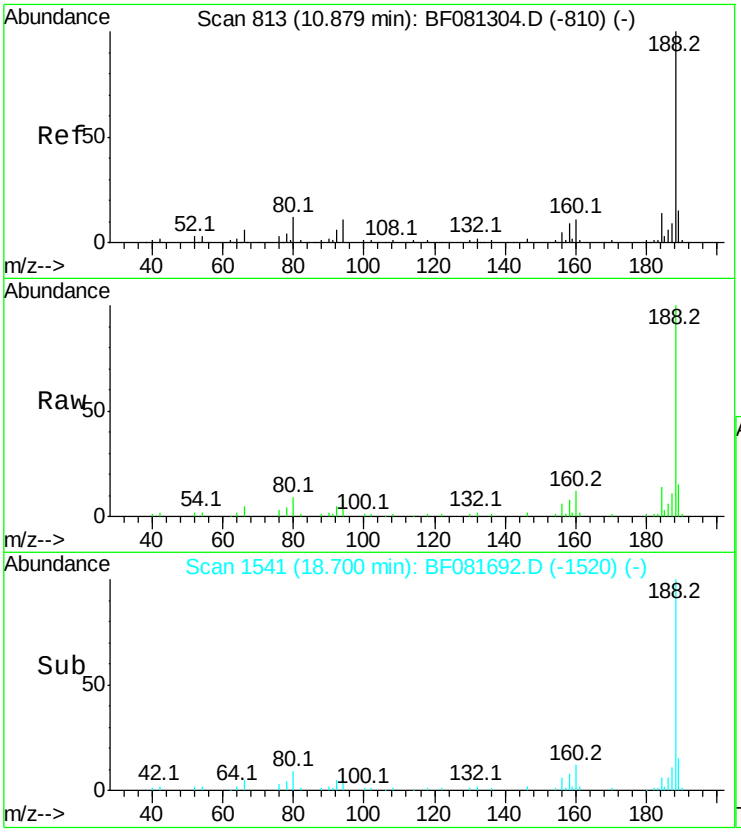


#57
Fluorene
Concen: 9.00 ng
RT: 16.51 min Scan# 1349
Delta R.T. -0.07 min
Lab File: BF081692.D
Acq: 17 Sep 2015 23:10

Tgt Ion:166 Resp: 37769

Ion	Ratio	Lower	Upper
166	100		
165	99.9	72.6	109.0
167	16.9	10.6	16.0#



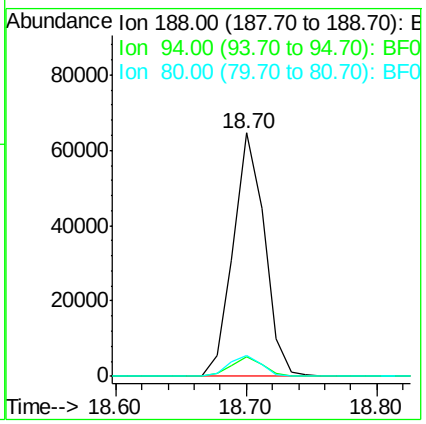


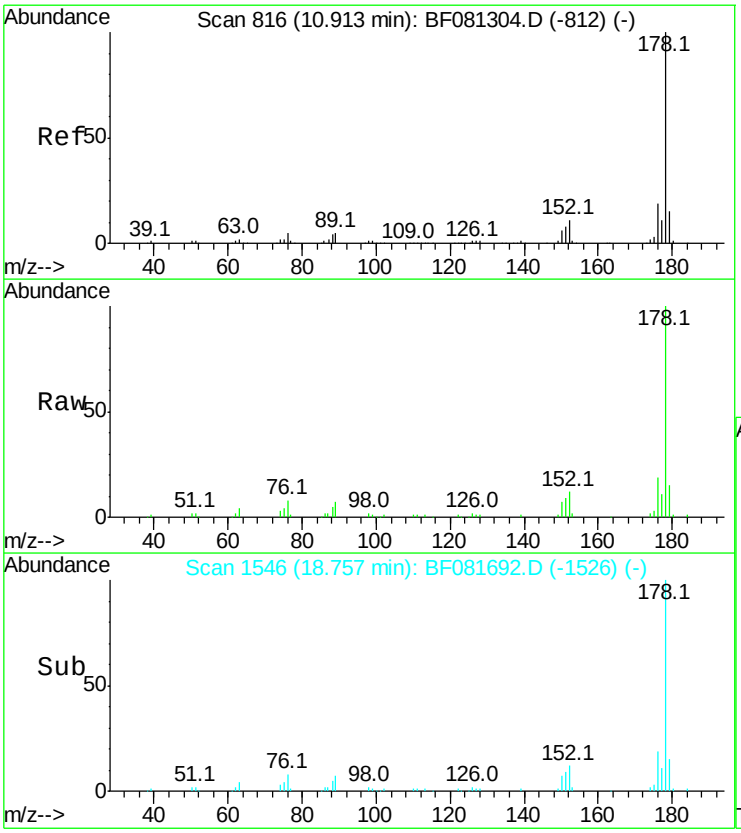
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.70 min Scan# 1541
Delta R.T. -0.06 min
Lab File: BF081692.D
Acq: 17 Sep 2015 23:10

Instrument :
BNA_F
ClientSampleId :
MGP204(20-22)DL2

Tgt Ion:188 Resp: 107758

Ion	Ratio	Lower	Upper
188	100		
94	8.0	11.1	16.7#
80	8.8	11.0	16.4#

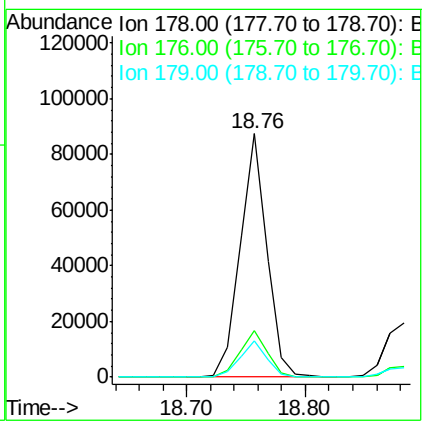


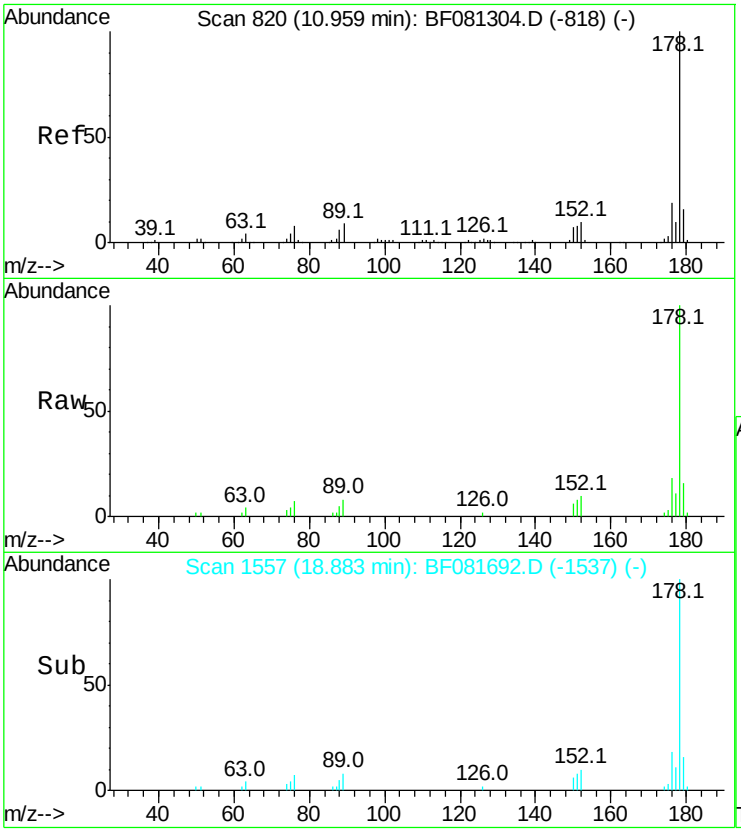


#70
Phenanthrene
Concen: 22.88 ng
RT: 18.76 min Scan# 1546
Delta R.T. -0.07 min
Lab File: BF081692.D
Acq: 17 Sep 2015 23:10

Tgt Ion:178 Resp: 137075

Ion	Ratio	Lower	Upper
178	100		
176	18.9	13.8	20.8
179	14.7	12.2	18.2



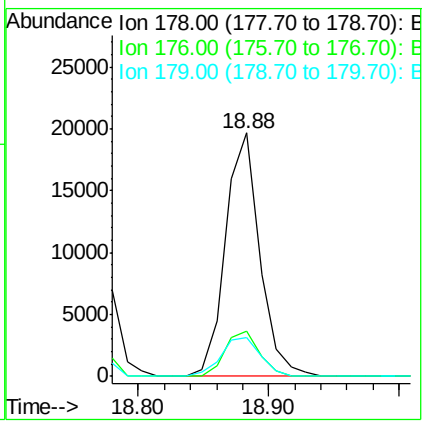


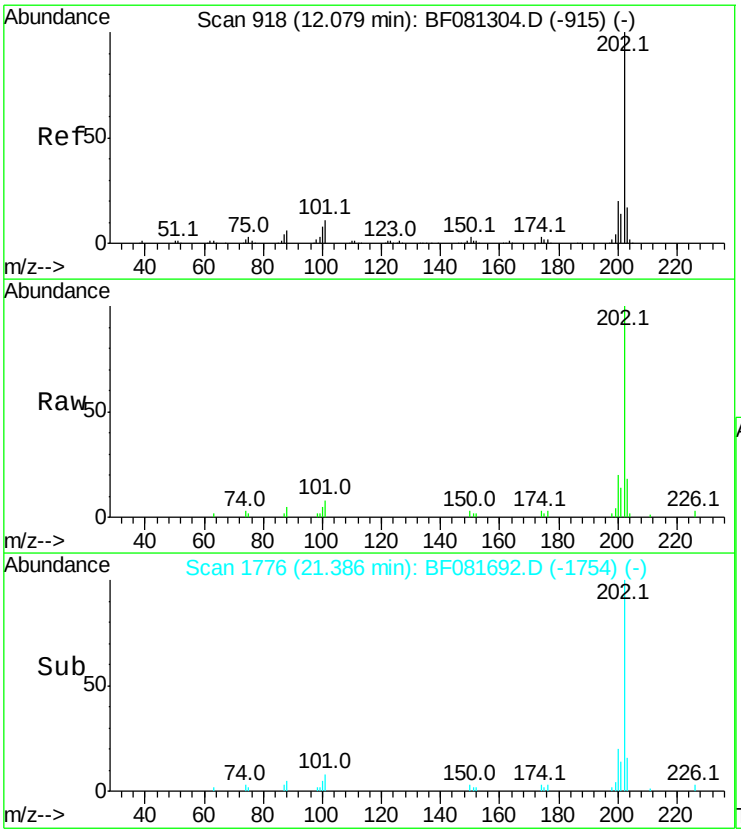
#71
Anthracene
Concen: 5.83 ng
RT: 18.88 min Scan# 1557
Delta R.T. -0.07 min
Lab File: BF081692.D
Acq: 17 Sep 2015 23:10

Instrument :
BNA_F
ClientSampleId :
MGP204(20-22)DL2

Tgt Ion:178 Resp: 35898

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.1	21.1
179	16.0	12.2	18.2

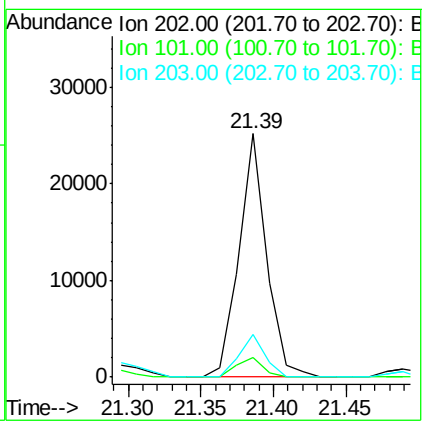


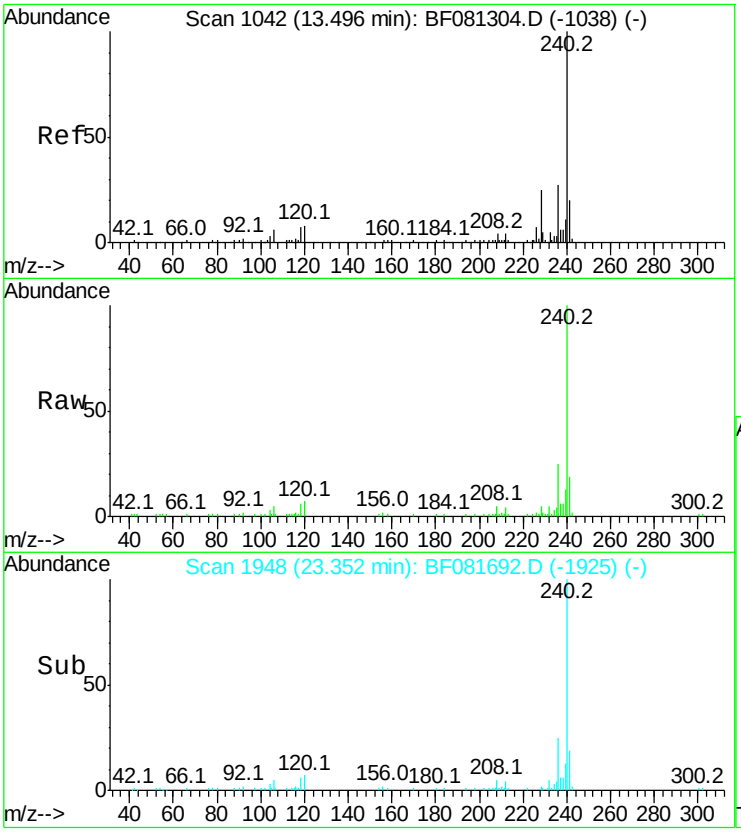


#74
Fluoranthene
Concen: 5.09 ng
RT: 21.39 min Scan# 1776
Delta R.T. -0.04 min
Lab File: BF081692.D
Acq: 17 Sep 2015 23:10

Tgt Ion:202 Resp: 32985

Ion	Ratio	Lower	Upper
202	100		
101	7.9	0.0	38.3
203	17.8	0.0	37.3



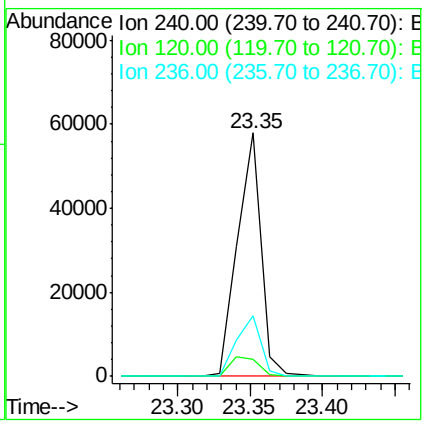


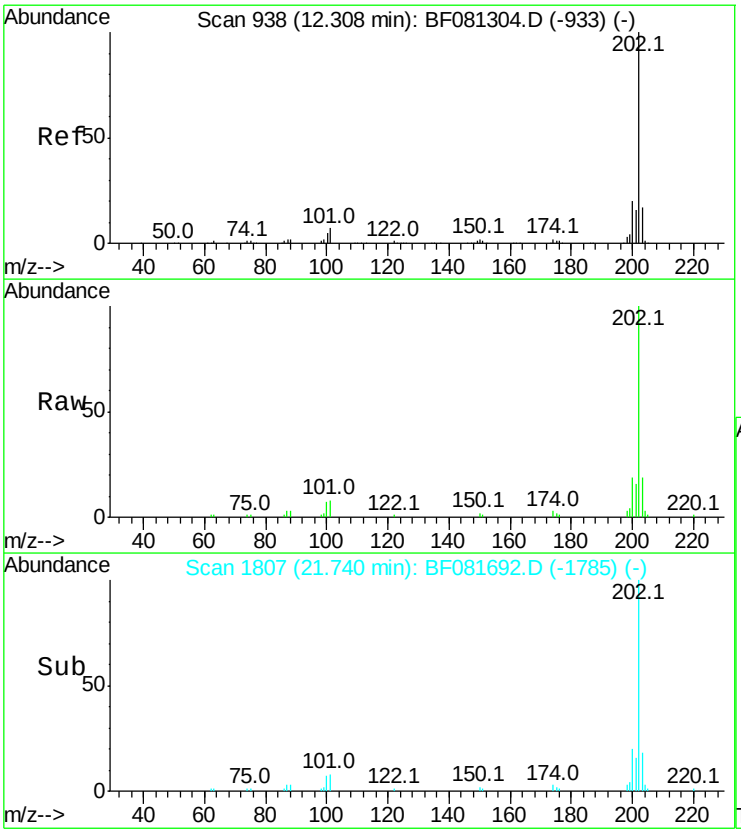
#75
Chrysene-d12
Concen: 20.00 ng
RT: 23.35 min Scan# 1948
Delta R.T. -0.03 min
Lab File: BF081692.D
Acq: 17 Sep 2015 23:10

Instrument :
BNA_F
ClientSampleId :
MGP204(20-22)DL2

Tgt Ion:240 Resp: 65230

Ion	Ratio	Lower	Upper
240	100		
120	6.8	16.2	24.2#
236	24.8	18.4	27.6

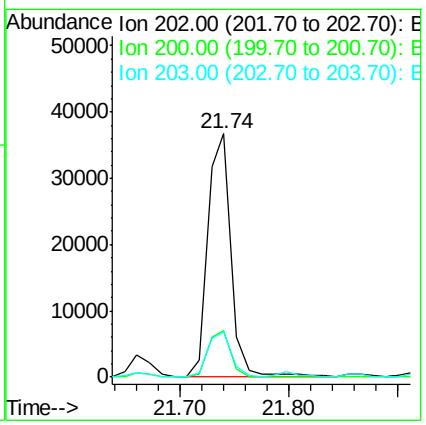


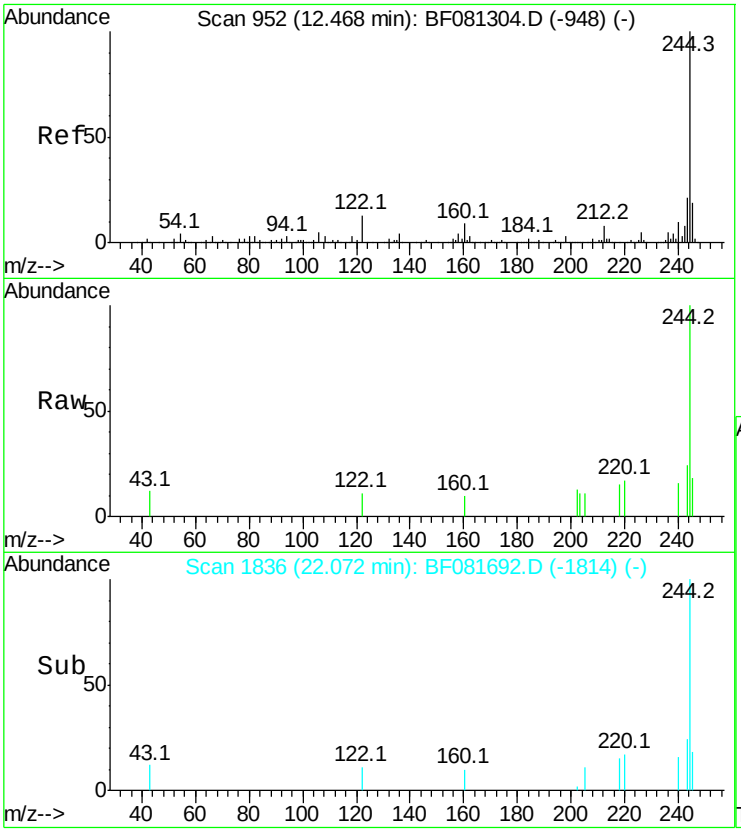


#77
Pyrene
Concen: 11.45 ng
RT: 21.74 min Scan# 1807
Delta R.T. -0.04 min
Lab File: BF081692.D
Acq: 17 Sep 2015 23:10

Tgt Ion:202 Resp: 55345

Ion	Ratio	Lower	Upper
202	100		
200	19.3	15.0	22.4
203	18.8	14.1	21.1



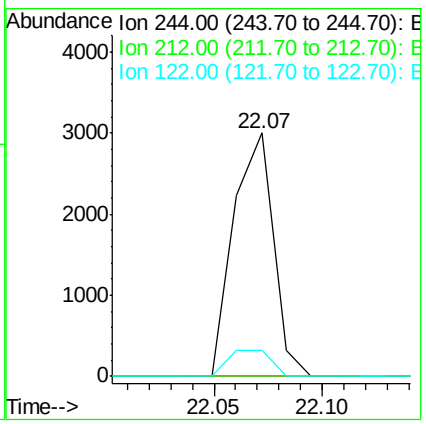


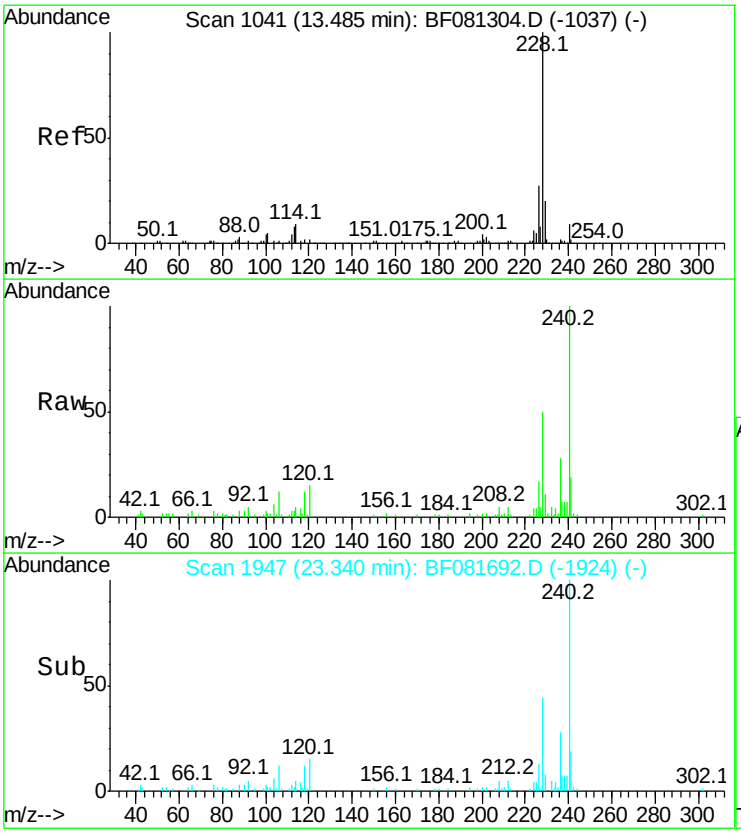
#78
Terphenyl-d14
Concen: 1.36 ng
RT: 22.07 min Scan# 1836
Delta R.T. -0.04 min
Lab File: BF081692.D
Acq: 17 Sep 2015 23:10

Instrument :
BNA_F
ClientSampleId :
MGP204(20-22)DL2

Tgt Ion:244 Resp: 3810

Ion	Ratio	Lower	Upper
244	100		
212	0.0	4.3	6.5#
122	10.7	17.4	26.2#

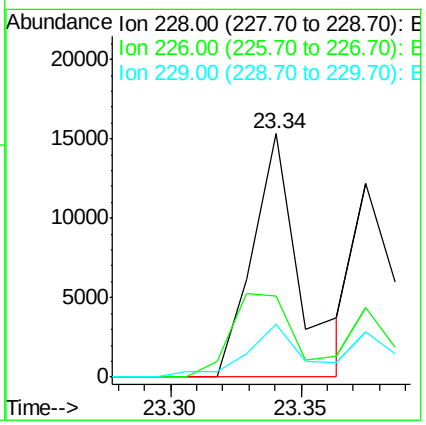


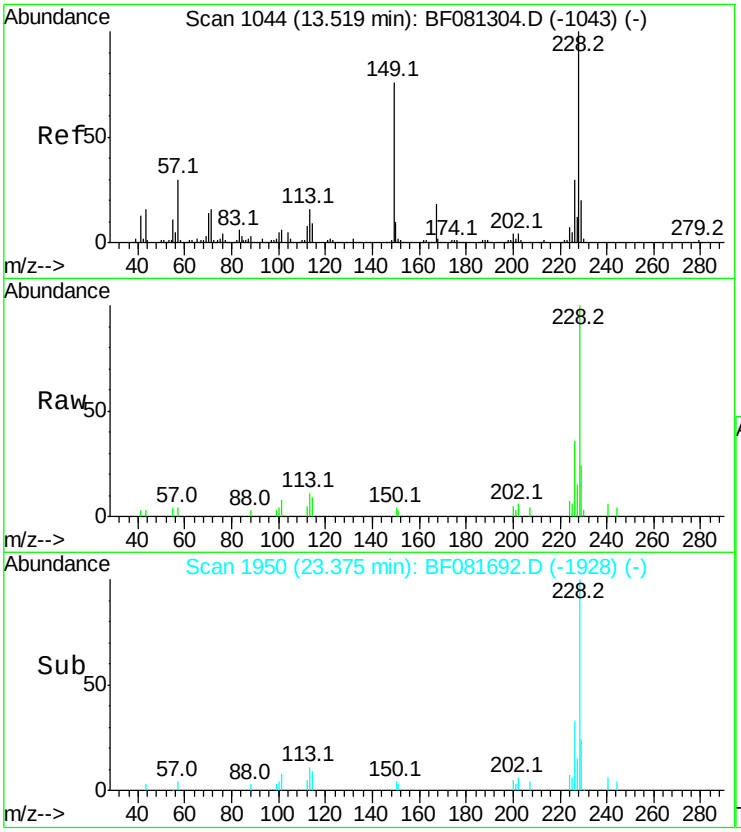


#80
Benzo(a)anthracene
Concen: 4.66 ng
RT: 23.34 min Scan# 1947
Delta R.T. -0.03 min
Lab File: BF081692.D
Acq: 17 Sep 2015 23:10

Tgt Ion:228 Resp: 19361

Ion	Ratio	Lower	Upper
228	100		
226	33.5	20.0	30.0#
229	21.9	15.4	23.2



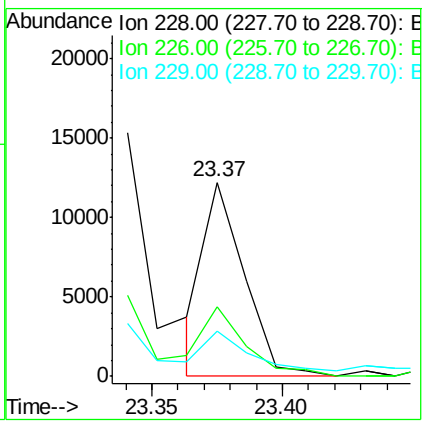


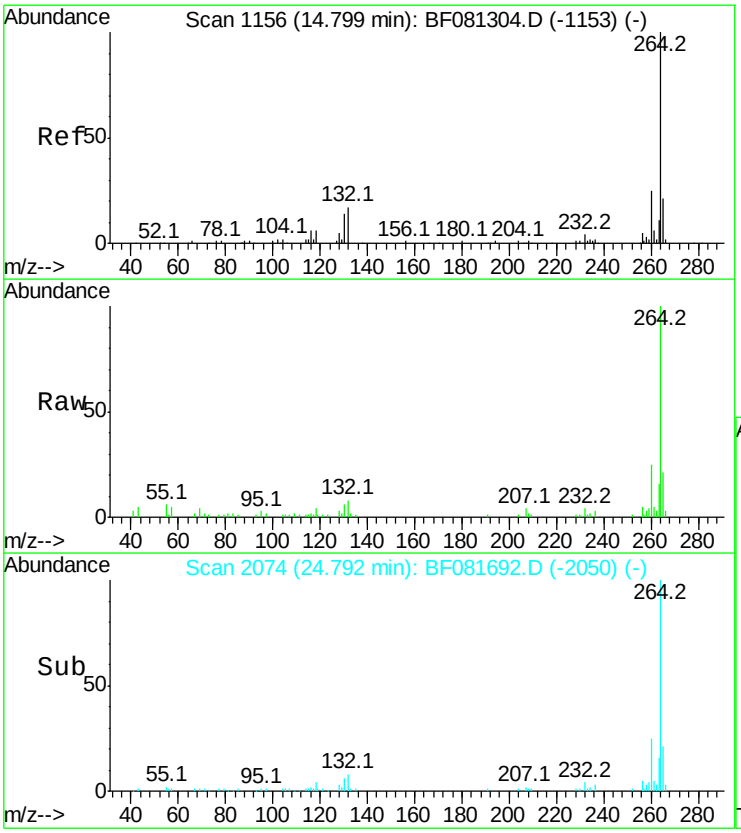
#82
Chrysene
Concen: 3.54 ng
RT: 23.37 min Scan# 1950
Delta R.T. -0.04 min
Lab File: BF081692.D
Acq: 17 Sep 2015 23:10

Instrument :
BNA_F
ClientSampleId :
MGP204(20-22)DL2

Tgt Ion:228 Resp: 13180

Ion	Ratio	Lower	Upper
228	100		
226	35.9	21.0	31.4#
229	23.7	15.6	23.4#

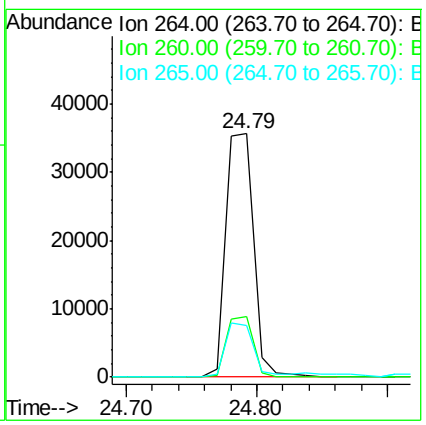


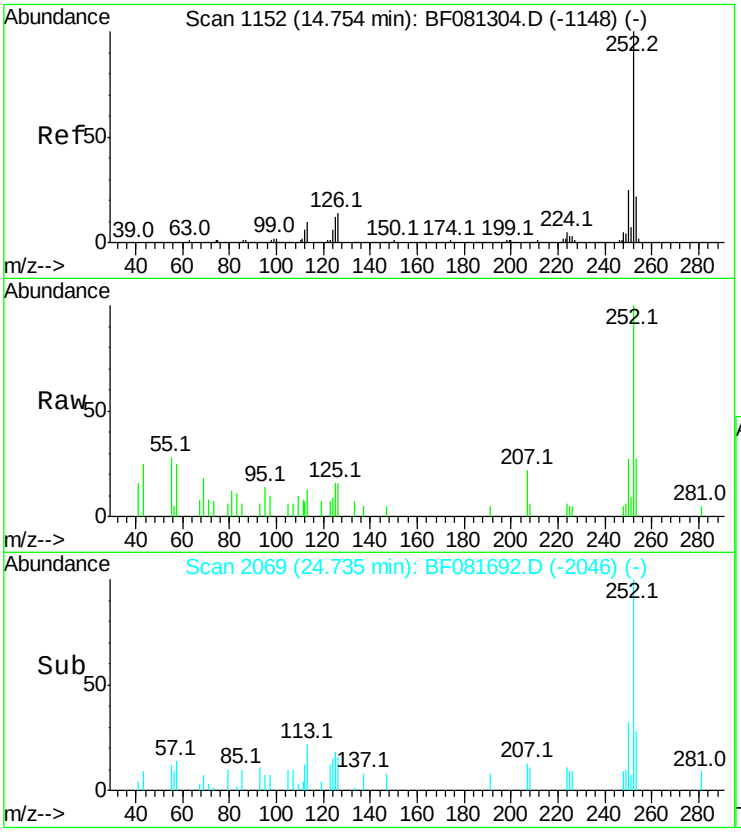


#86
Perylene-d12
Concen: 20.00 ng
RT: 24.79 min Scan# 2074
Delta R.T. -0.02 min
Lab File: BF081692.D
Acq: 17 Sep 2015 23:10

Tgt Ion:264 Resp: 52315

Ion	Ratio	Lower	Upper
264	100		
260	25.1	16.7	25.1
265	21.0	17.2	25.8





#89
Benzo(a)pyrene
Concen: 2.61 ng
RT: 24.73 min Scan# 2069
Delta R.T. -0.03 min
Lab File: BF081692.D
Acq: 17 Sep 2015 23:10

Instrument :
BNA_F
ClientSampleId :
MGP204(20-22)DL2

Tgt Ion:252 Resp: 8245

Ion	Ratio	Lower	Upper
252	100		
253	26.6	17.2	25.8#
125	16.4	18.0	27.0#