Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101315\
Data File : BF082249.D
Acq On : 13 Oct 2015 8:01
Operator : UM/IZ
Sample : G3974-01DL2 200X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MGP222BR-12-14DL2

Quant Time: Oct 13 08:27:23 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF101015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 12 01:46:21 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	3034	20.00	ng		0.15
21) Naphthalene-d8	8.11	136	277381	20.00	ng		-0.01
38) Acenaphthene-d10	9.87	164	151001	20.00	ng		-0.01
63) Phenanthrene-d10	11.36	188	285496	20.00	ng		-0.01
75) Chrysene-d12	14.00	240	274802	20.00	ng		-0.01
86) Perylene-d12	15.44	264	226881	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	0.00	112	0	0.00	ng		
7) Phenol-d6	6.49	99	480	2.45	ng		0.01
23) Nitrobenzene-d5	0.00	82	0	0.00	ng		
41) 2,4,6-Tribromophenol	10.66	330	325	0.23	ng		-0.01
44) 2-Fluorobiphenyl	9.20	172	2535	0.28	ng		-0.01
78) Terphenyl-d14	12.95	244	3404	0.33	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.48	88	712	9.43	ng	#	18
9) Benzaldehyde	6.50	77	883	8.84	ng	#	1
18) Hexachloroethane	7.50	117	1659	21.72	ng	#	3
31) Naphthalene	8.14	128	587703	48.88	ng		100
33) 4-Chloroaniline	8.14	127	74595	14.94	ng	#	31
37) 2-Methylnaphthalene	8.83	142	41119	4.93	ng		99
48) Acenaphthylene	9.74	152	44335	3.14	ng		97
51) Acenaphthene	9.91	154	73016	8.61	ng		100
54) Dibenzofuran	10.08	168	44458	3.82	ng		94
55) 4-Nitrophenol	10.08	139	16272	13.08	ng	#	12
57) Fluorene	10.42	166	187055	19.57	ng		99
70) Phenanthrene	11.38	178	722846	51.65	ng		99
71) Anthracene	11.44	178	246385	17.09	ng		98
74) Fluoranthene	12.57	202	349678	23.27	ng		97
77) Pyrene	12.80	202	420776	25.80	ng		99
80) Benzo(a)anthracene	13.99	228	145195	10.15	ng		97
82) Chrysene	14.02	228	111872	7.43	ng		99
85) Indeno(1,2,3-cd)pyrene	16.84	276	37198	3.11	ng		94
87) Benzo(b)fluoranthene	15.03	252	116798	8.46	ng		98
88) Benzo(k)fluoranthene	15.03	252	116798	10.07	ng	#	97
89) Benzo(a)pyrene	15.37	252	67275	5.67	ng		99
91) Benzo(g,h,i)perylene	17.26	276	36004	3.81	ng		96

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

Quantitation Report (Not Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101315\
Data File : BF082249.D
Acq On : 13 Oct 2015 8:01
Operator : UM/IZ
Sample : G3974-01DL2 200X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MGP222BR-12-14DL2

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 12 01:46:21 2015
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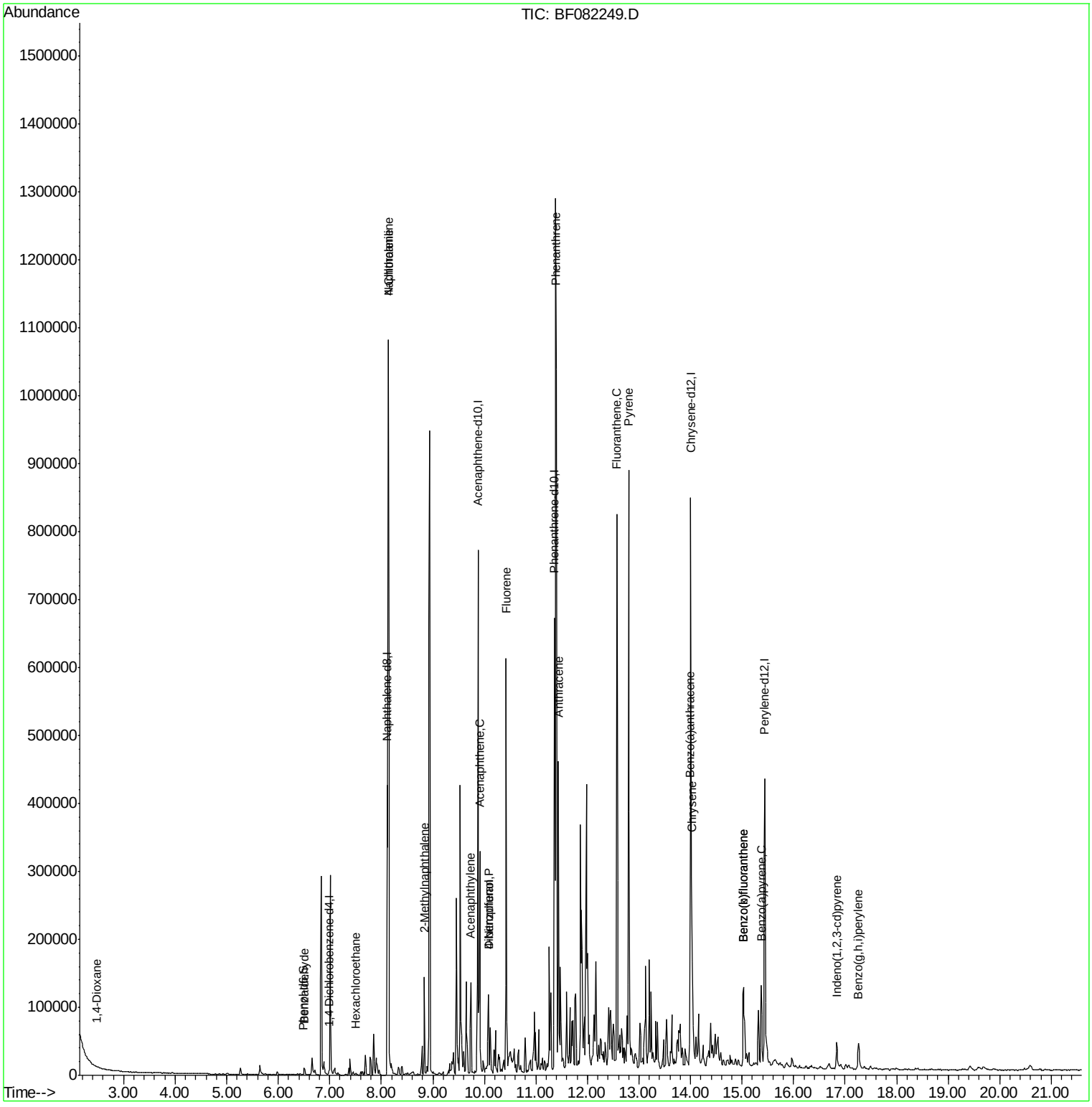
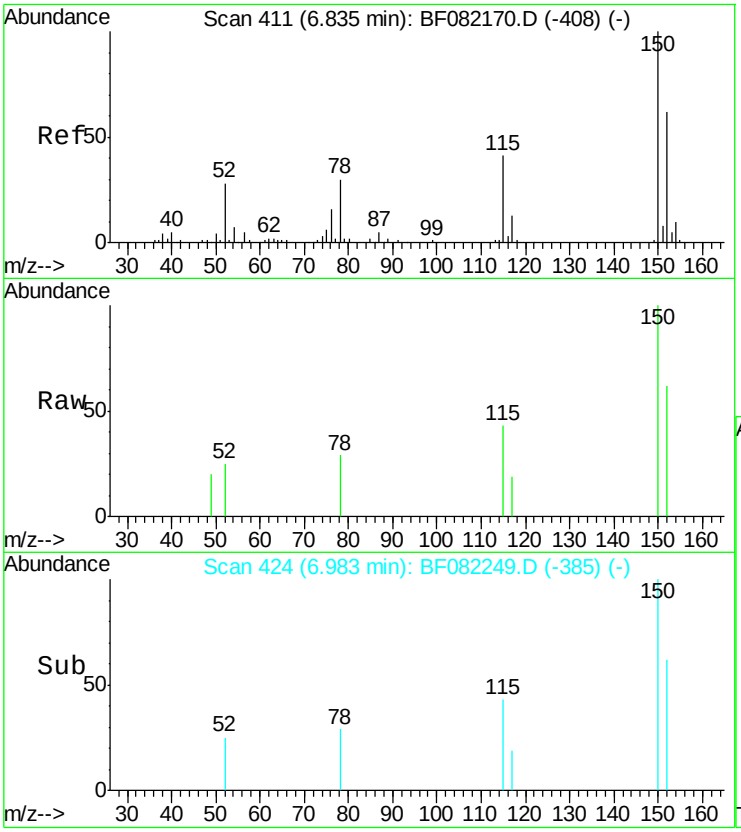


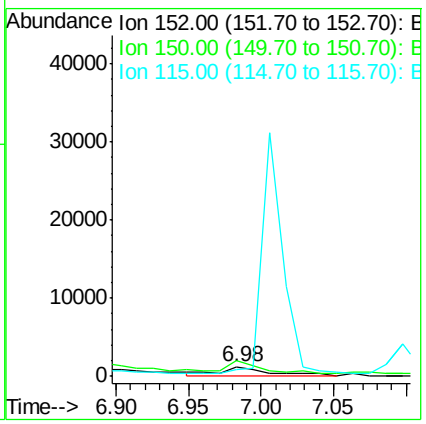


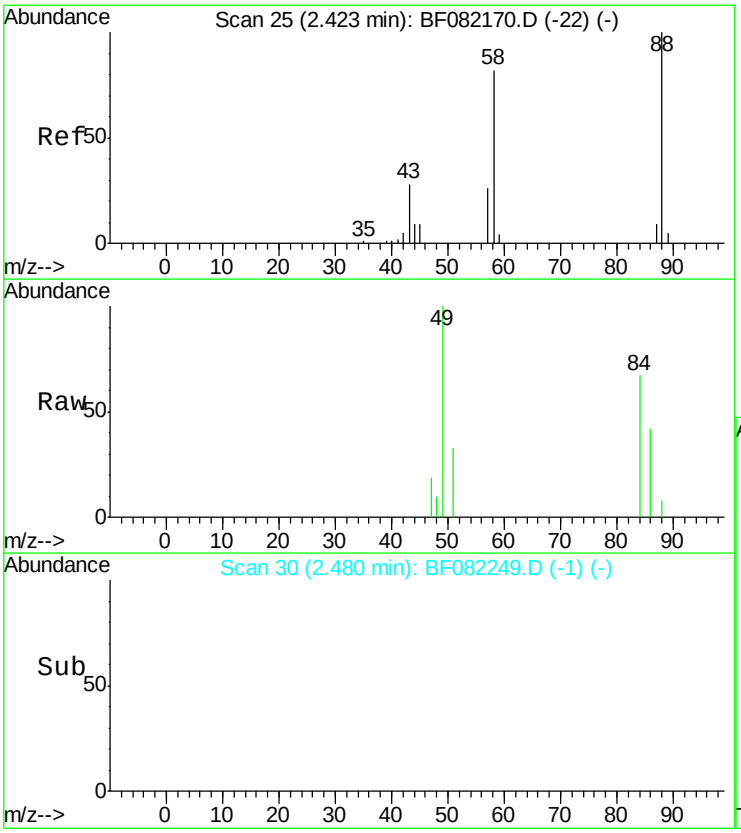
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.98 min Scan# 424
Delta R.T. 0.15 min
Lab File: BF082249.D
Acq: 13 Oct 2015 8:01

Instrument :
BNA_F
ClientSampleId :
MGP222BR-12-14DL2

Tgt Ion:152 Resp: 3034

Ion	Ratio	Lower	Upper
152	100		
150	162.2	129.0	193.4
115	69.5	52.1	78.1

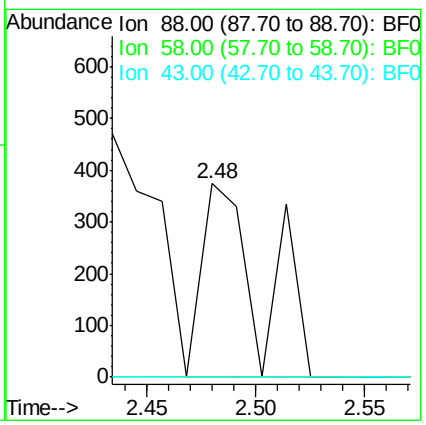


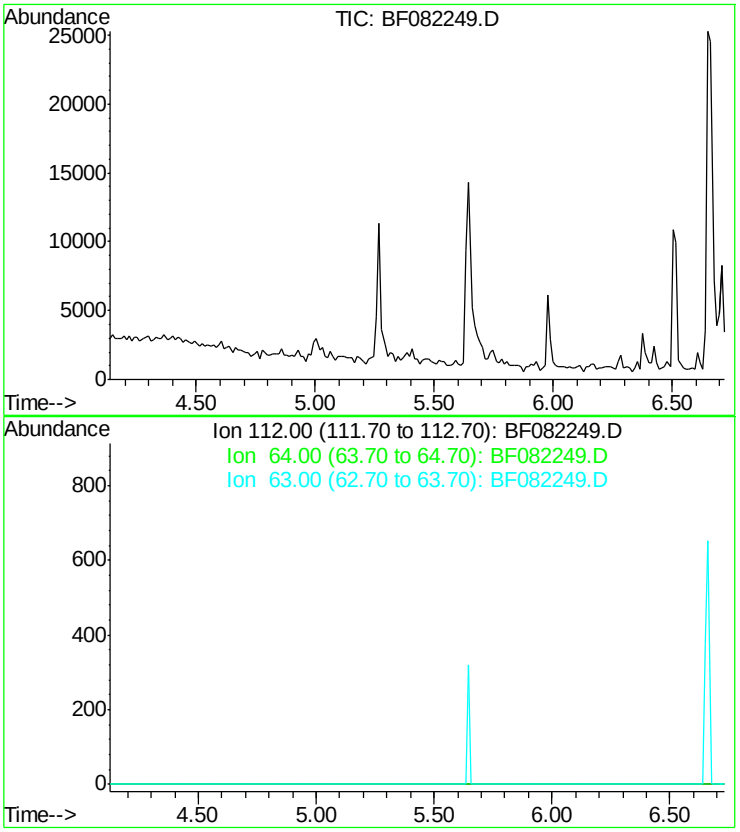


#2
1,4-Dioxane
Concen: 9.43 ng
RT: 2.48 min Scan# 30
Delta R.T. 0.06 min
Lab File: BF082249.D
Acq: 13 Oct 2015 8:01

Tgt Ion: 88 Resp: 712

Ion	Ratio	Lower	Upper
88	100		
58	0.0	66.2	99.4#
43	0.0	23.0	34.4#





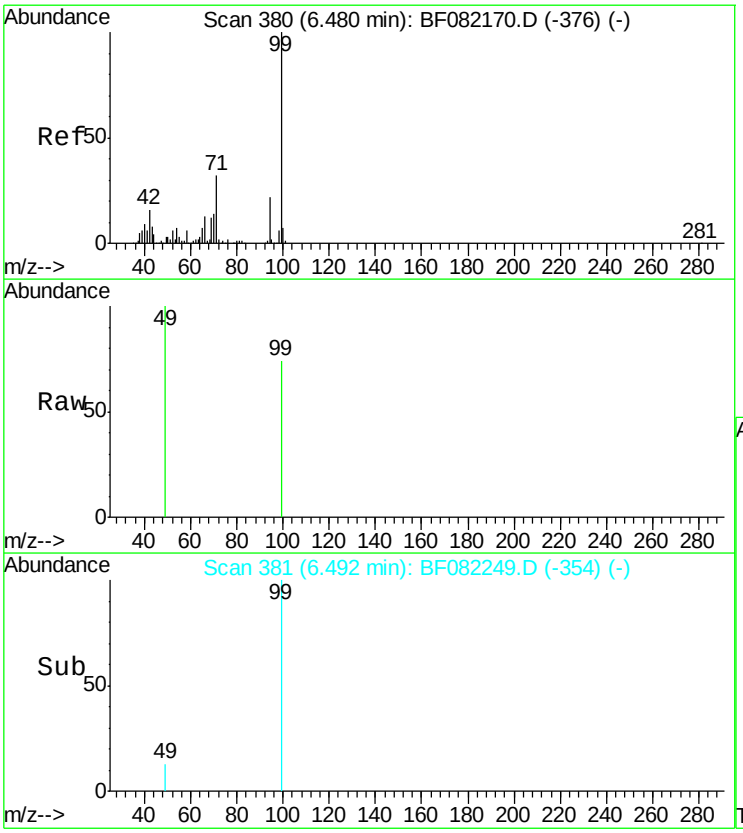
#5
2-Fluorophenol
Concen: 0.00 ng
Expected RT: 5.43 min

Lab File: BF082249.D
Acq: 13 Oct 2015 8:01

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	60.8
63	31.4

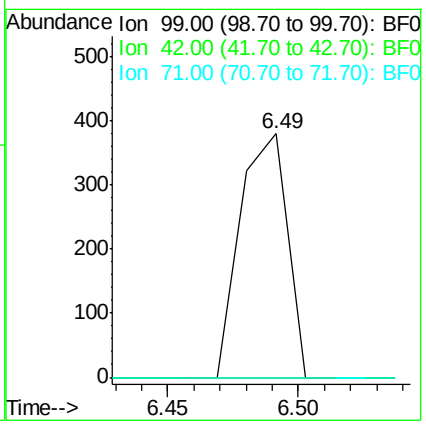
Instrument :
BNA_F
ClientSampleId :
MGP222BR-12-14DL2

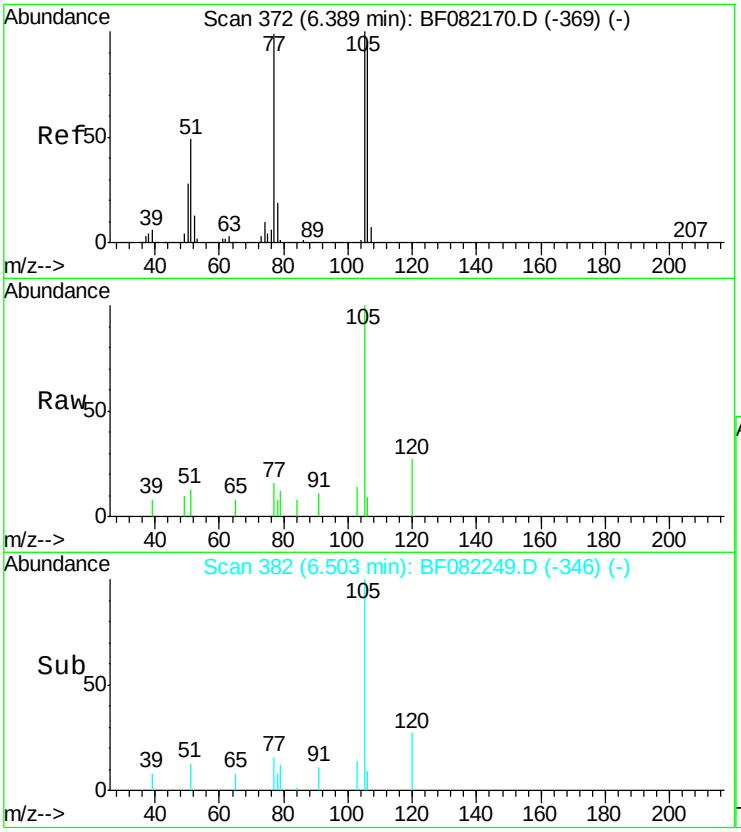


#7
Phenol-d6
Concen: 2.45 ng
RT: 6.49 min Scan# 381
Delta R.T. 0.01 min
Lab File: BF082249.D
Acq: 13 Oct 2015 8:01

Tgt Ion: 99 Resp: 480

Ion	Ratio	Lower	Upper
99	100		
42	0.0	13.2	19.8#
71	0.0	25.6	38.4#



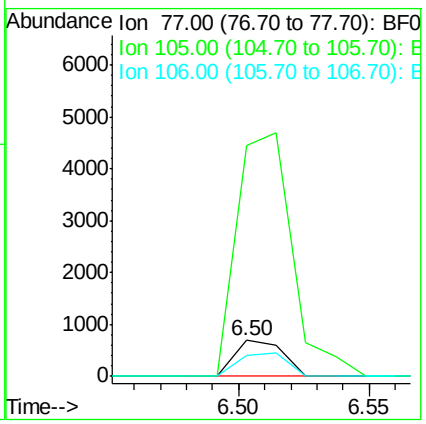


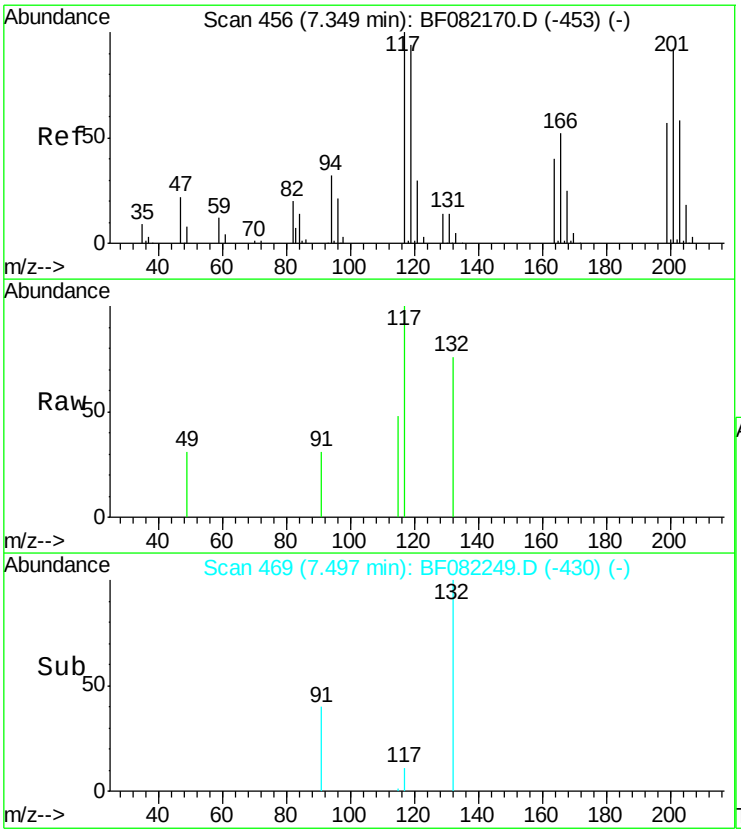
#9
Benzaldehyde
Concen: 8.84 ng
RT: 6.50 min Scan# 382
Delta R.T. 0.11 min
Lab File: BF082249.D
Acq: 13 Oct 2015 8:01

Instrument :
BNA_F
ClientSampleId :
MGP222BR-12-14DL2

Tgt Ion: 77 Resp: 883

Ion	Ratio	Lower	Upper
77	100		
105	639.2	80.6	120.6#
106	56.9	75.5	115.5#

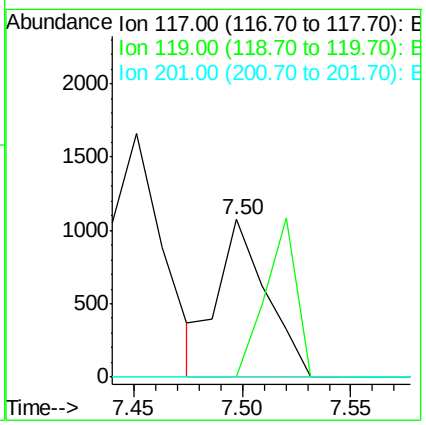


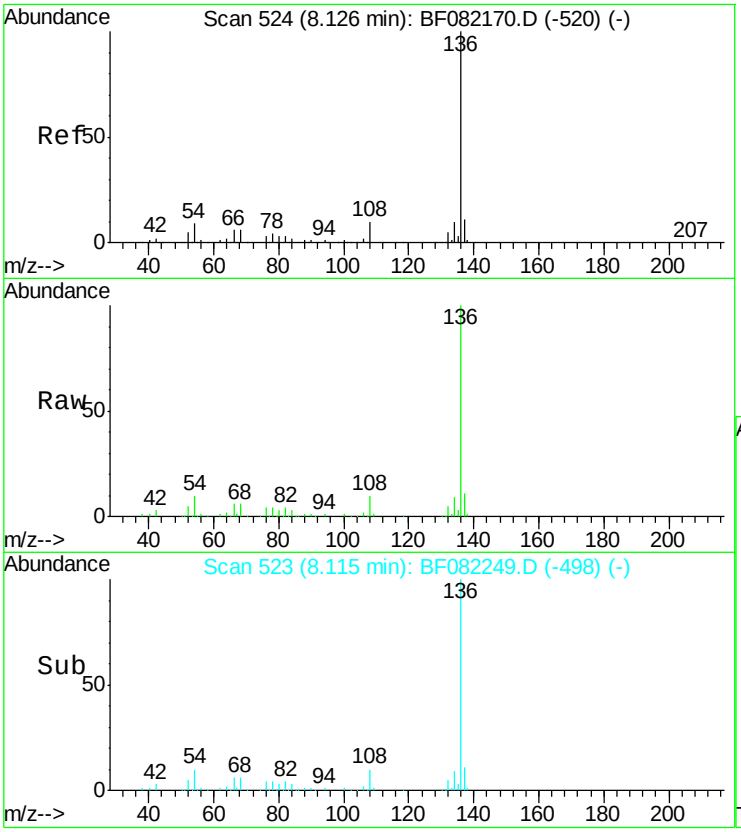


#18
Hexachloroethane
Concen: 21.72 ng
RT: 7.50 min Scan# 469
Delta R.T. 0.15 min
Lab File: BF082249.D
Acq: 13 Oct 2015 8:01

Tgt Ion:117 Resp: 1659

Ion	Ratio	Lower	Upper
117	100		
119	0.0	75.4	113.2#
201	0.0	73.4	110.0#



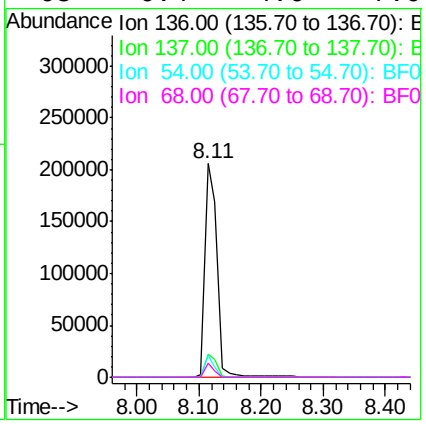


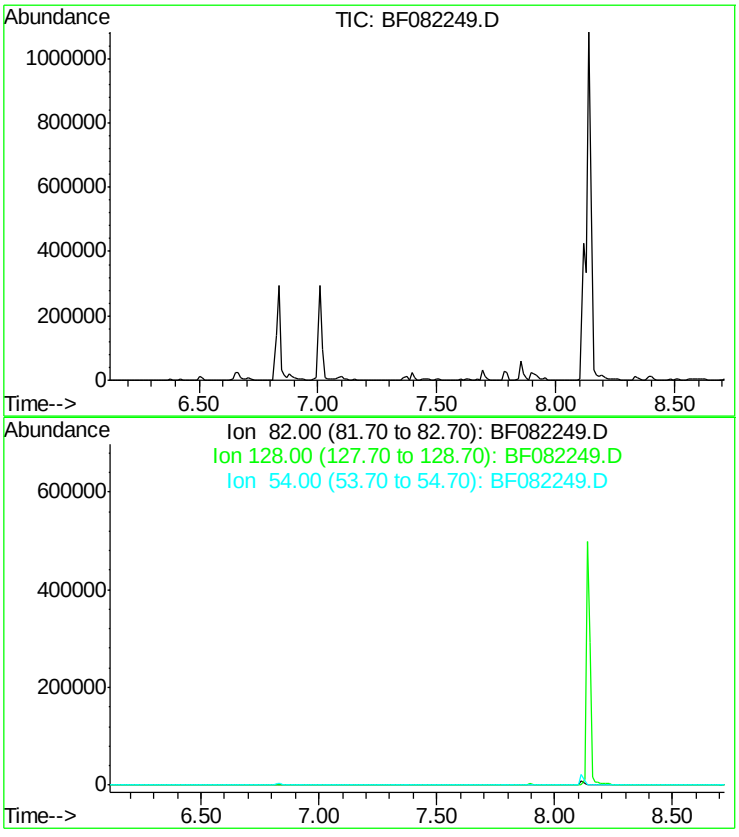
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 523
Delta R.T. -0.01 min
Lab File: BF082249.D
Acq: 13 Oct 2015 8:01

Instrument :
BNA_F
ClientSampleId :
MGP222BR-12-14DL2

Tgt Ion:136 Resp: 277381

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.6
54	10.4	7.5	11.3
68	6.4	4.6	7.0



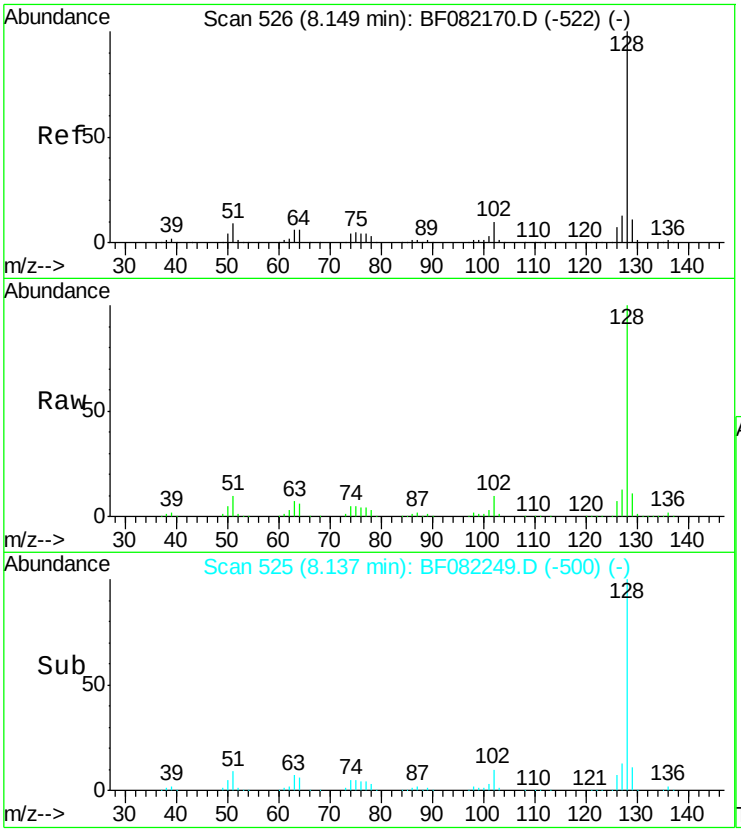


#23
Nitrobenzene-d5
Concen: 0.00 ng
Expected RT: 7.42 min

Lab File: BF082249.D
Acq: 13 Oct 2015 8:01

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	48.4
54	50.1

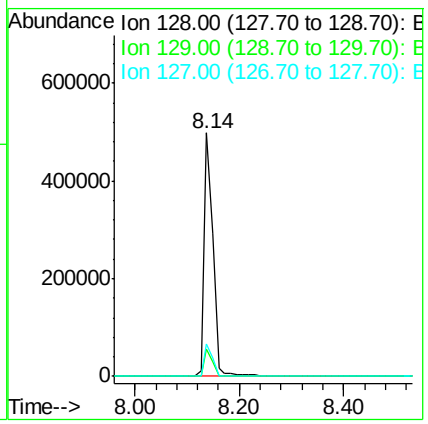


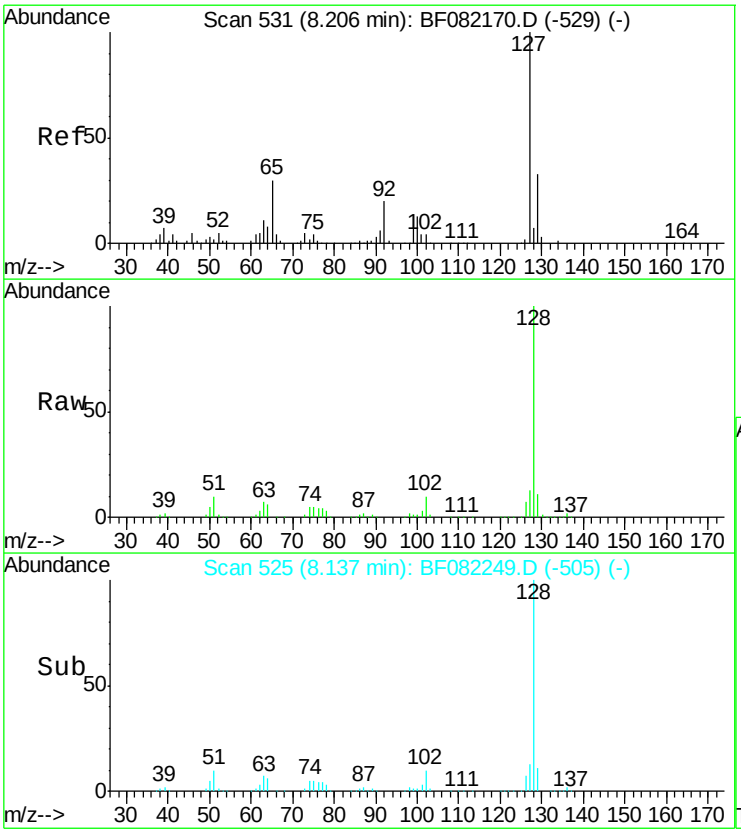
#31
Naphthalene
Concen: 48.88 ng
RT: 8.14 min Scan# 525
Delta R.T. -0.01 min
Lab File: BF082249.D
Acq: 13 Oct 2015 8:01

Instrument :
BNA_F
ClientSampleId :
MGP222BR-12-14DL2

Tgt Ion:128 Resp: 587703

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.1	13.7
127	13.1	10.7	16.1

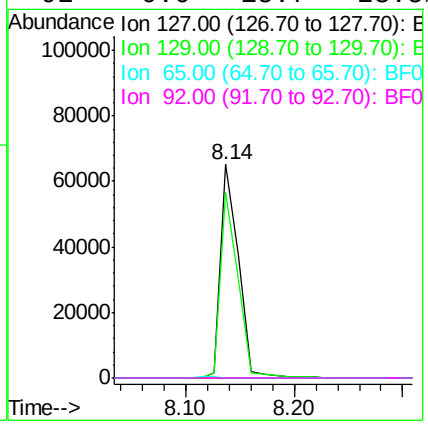


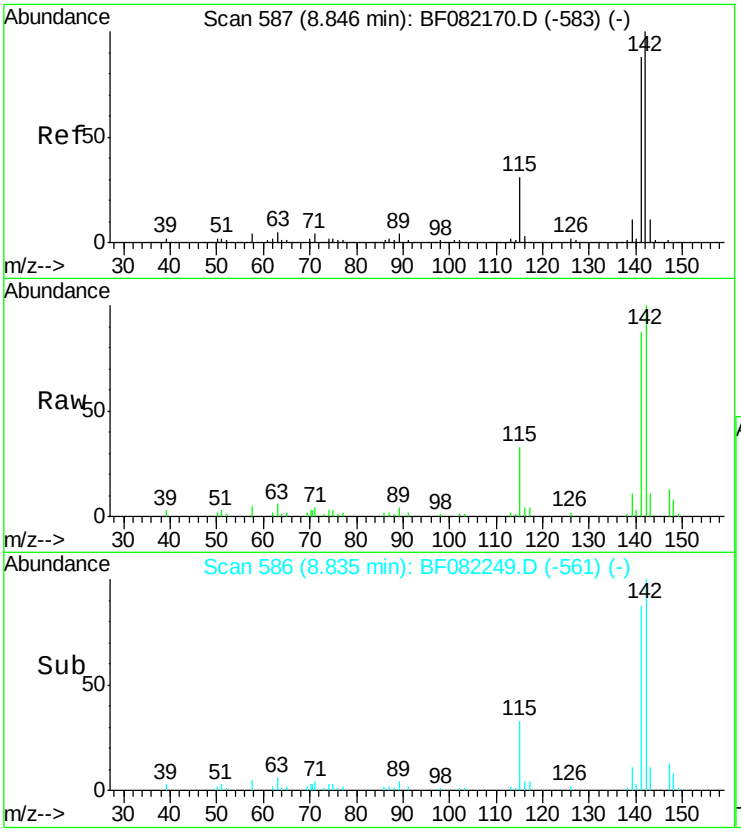


#33
4-Chloroaniline
Concen: 14.94 ng
RT: 8.14 min Scan# 525
Delta R.T. -0.07 min
Lab File: BF082249.D
Acq: 13 Oct 2015 8:01

Tgt Ion:127 Resp: 74595

Ion	Ratio	Lower	Upper
127	100		
129	86.9	26.3	39.5#
65	0.0	24.4	36.6#
92	0.0	15.7	23.5#



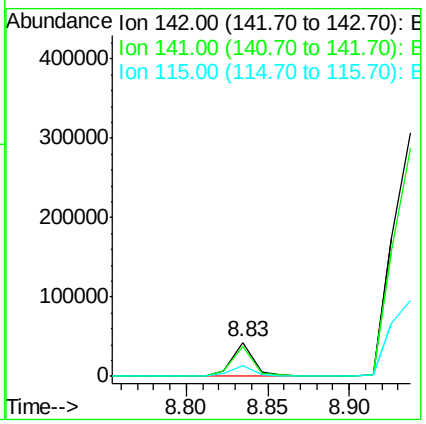


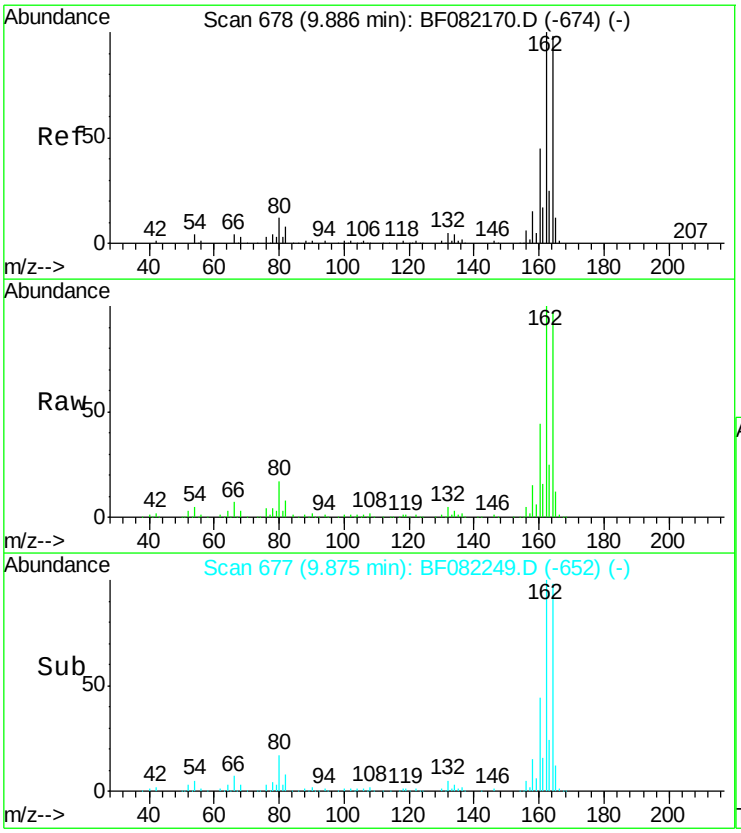
#37
2-Methylnaphthalene
Concen: 4.93 ng
RT: 8.83 min Scan# 586
Delta R.T. -0.01 min
Lab File: BF082249.D
Acq: 13 Oct 2015 8:01

Instrument :
BNA_F
ClientSampleId :
MGP222BR-12-14DL2

Tgt Ion:142 Resp: 41119

Ion	Ratio	Lower	Upper
142	100		
141	87.3	70.4	105.6
115	32.7	24.6	37.0

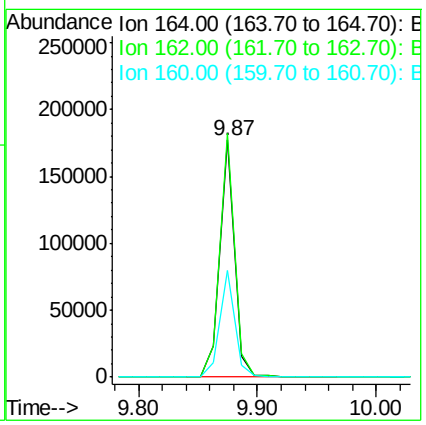


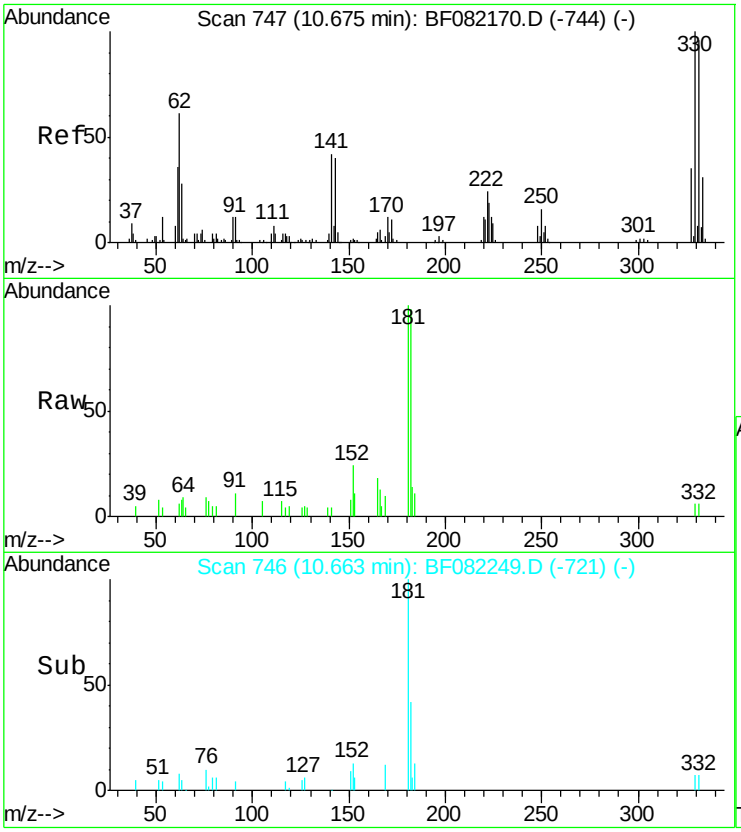


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.87 min Scan# 677
Delta R.T. -0.01 min
Lab File: BF082249.D
Acq: 13 Oct 2015 8:01

Tgt Ion:164 Resp: 151001

Ion	Ratio	Lower	Upper
164	100		
162	102.7	81.6	122.4
160	45.1	36.4	54.6



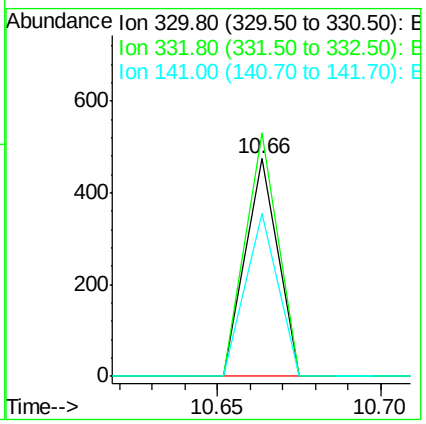


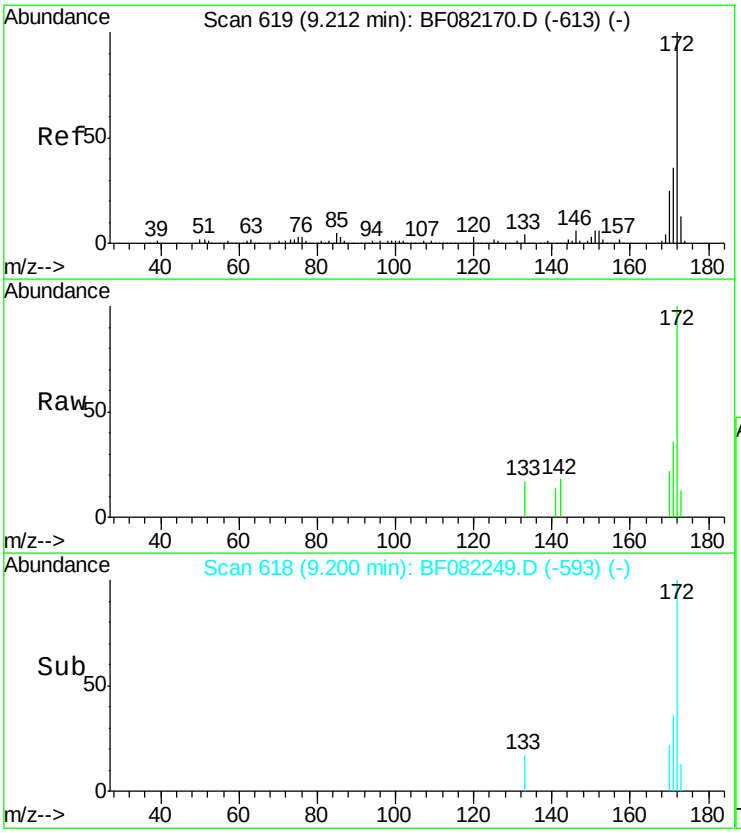
#41
2,4,6-Tribromophenol
Concen: 0.23 ng
RT: 10.66 min Scan# 746
Delta R.T. -0.01 min
Lab File: BF082249.D
Acq: 13 Oct 2015 8:01

Instrument :
BNA_F
ClientSampleId :
MGP222BR-12-14DL2

Tgt Ion:330 Resp: 325

Ion	Ratio	Lower	Upper
330	100		
332	112.0	77.1	115.7
141	74.8	29.8	44.8#

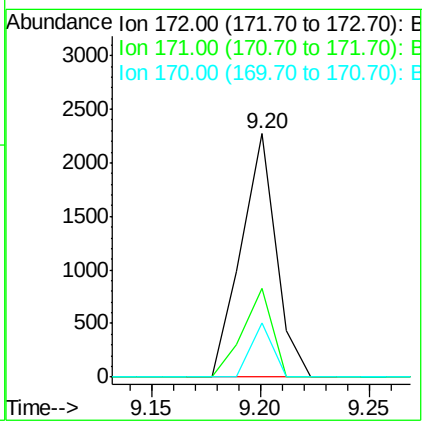


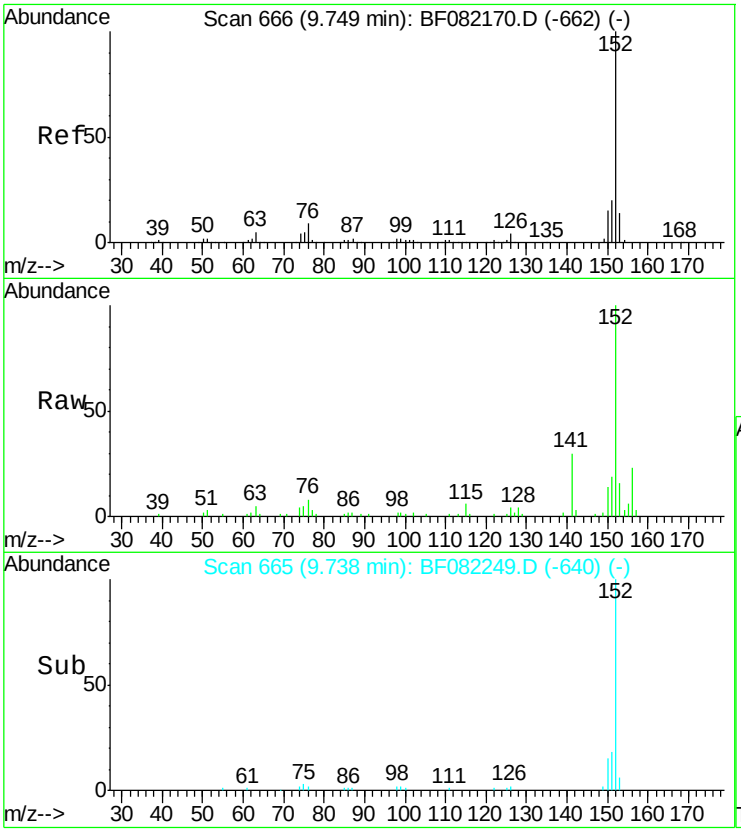


#44
2-Fluorobiphenyl
Concen: 0.28 ng
RT: 9.20 min Scan# 618
Delta R.T. -0.01 min
Lab File: BF082249.D
Acq: 13 Oct 2015 8:01

Tgt Ion:172 Resp: 2535

Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.6	42.8
170	22.2	19.7	29.5



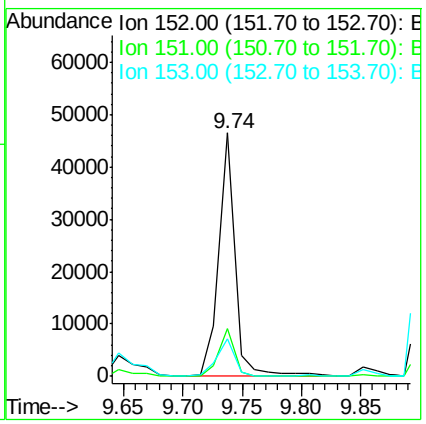


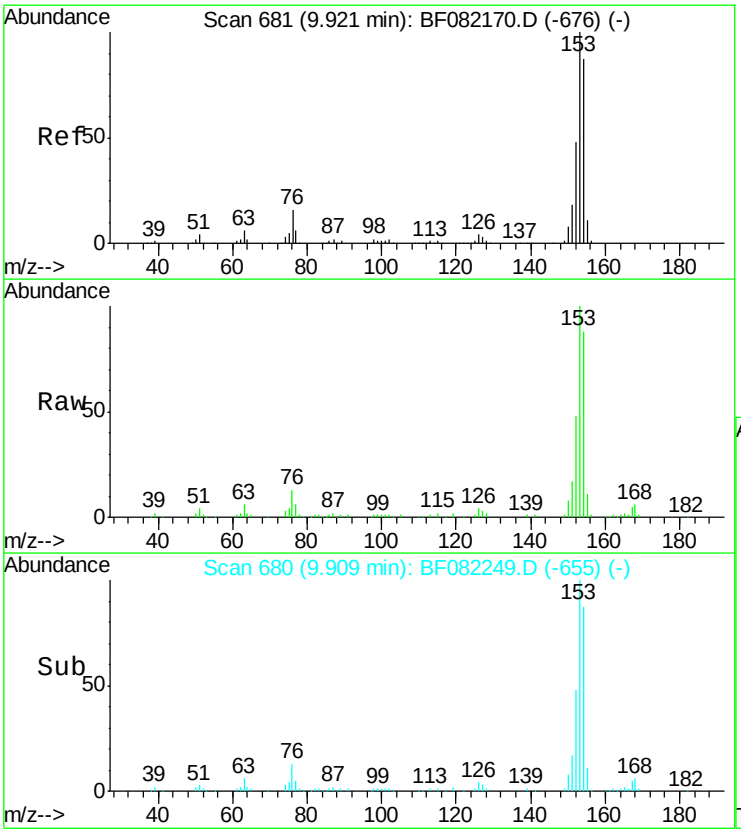
#48
Acenaphthylene
Concen: 3.14 ng
RT: 9.74 min Scan# 665
Delta R.T. -0.01 min
Lab File: BF082249.D
Acq: 13 Oct 2015 8:01

Instrument :
BNA_F
ClientSampleId :
MGP222BR-12-14DL2

Tgt Ion:152 Resp: 44335

Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.4	24.6
153	15.6	10.8	16.2

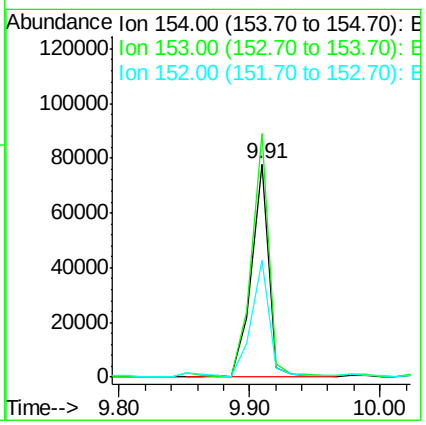


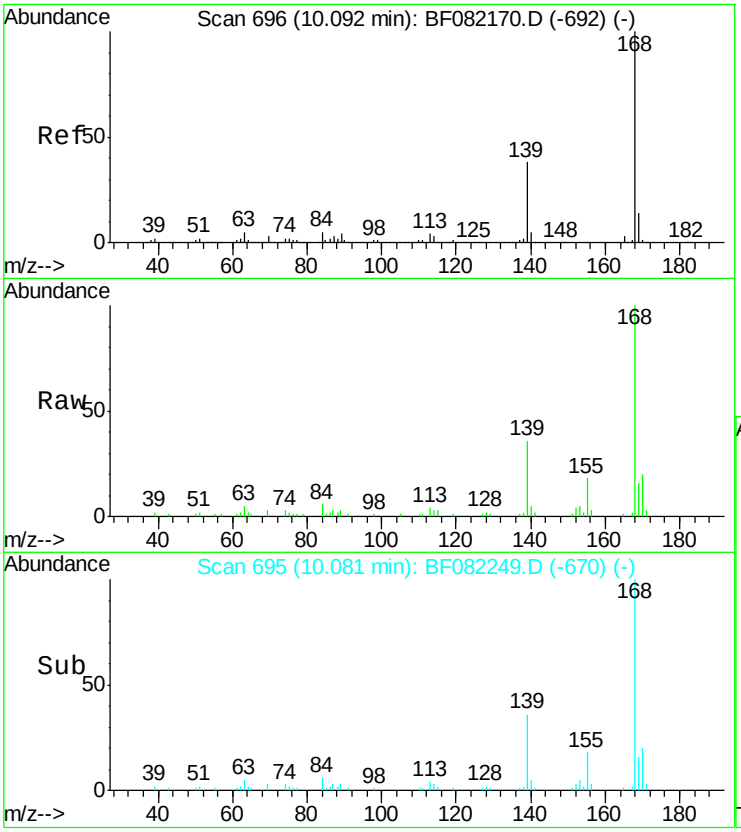


#51
Acenaphthene
Concen: 8.61 ng
RT: 9.91 min Scan# 680
Delta R.T. -0.01 min
Lab File: BF082249.D
Acq: 13 Oct 2015 8:01

Tgt Ion:154 Resp: 73016

Ion	Ratio	Lower	Upper
154	100		
153	114.1	91.4	137.2
152	54.7	44.3	66.5



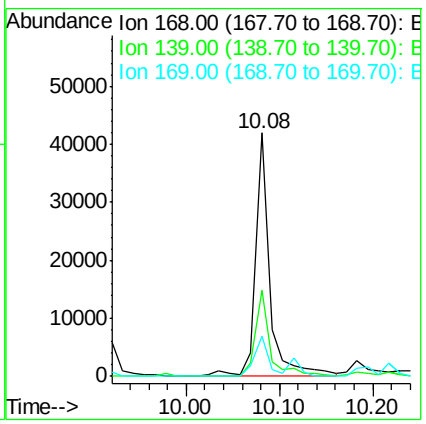


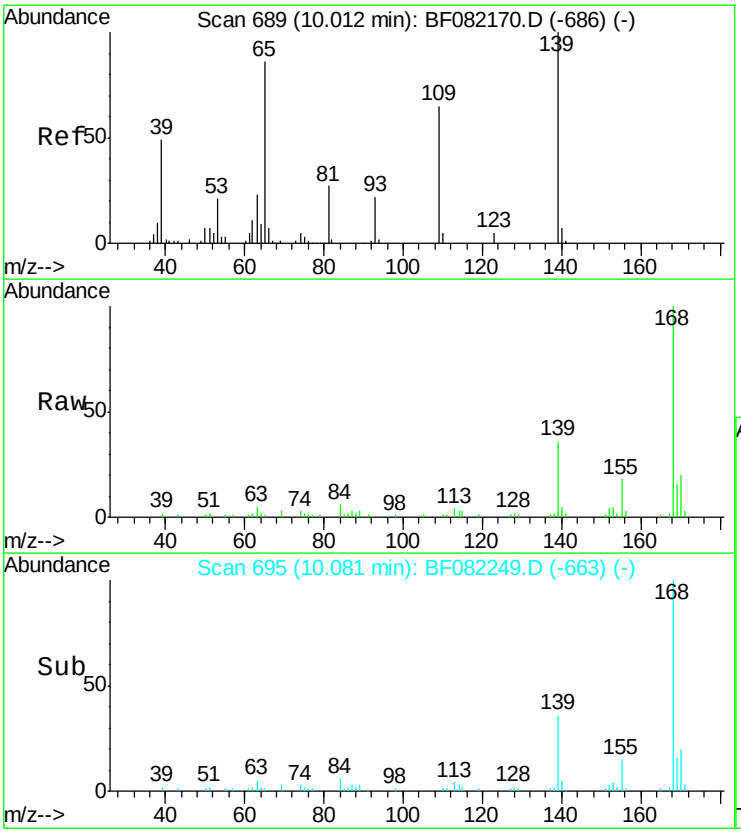
#54
Dibenzofuran
Concen: 3.82 ng
RT: 10.08 min Scan# 695
Delta R.T. -0.01 min
Lab File: BF082249.D
Acq: 13 Oct 2015 8:01

Instrument :
BNA_F
ClientSampleId :
MGP222BR-12-14DL2

Tgt Ion:168 Resp: 44458

Ion	Ratio	Lower	Upper
168	100		
139	35.5	31.0	46.6
169	16.3	10.9	16.3

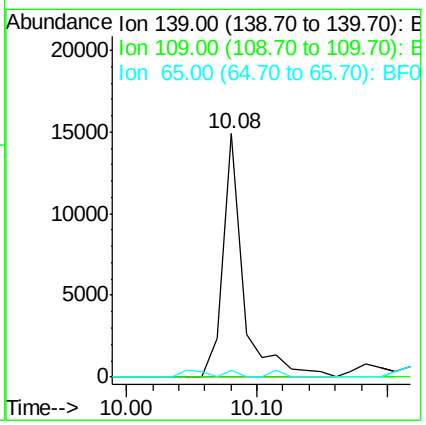


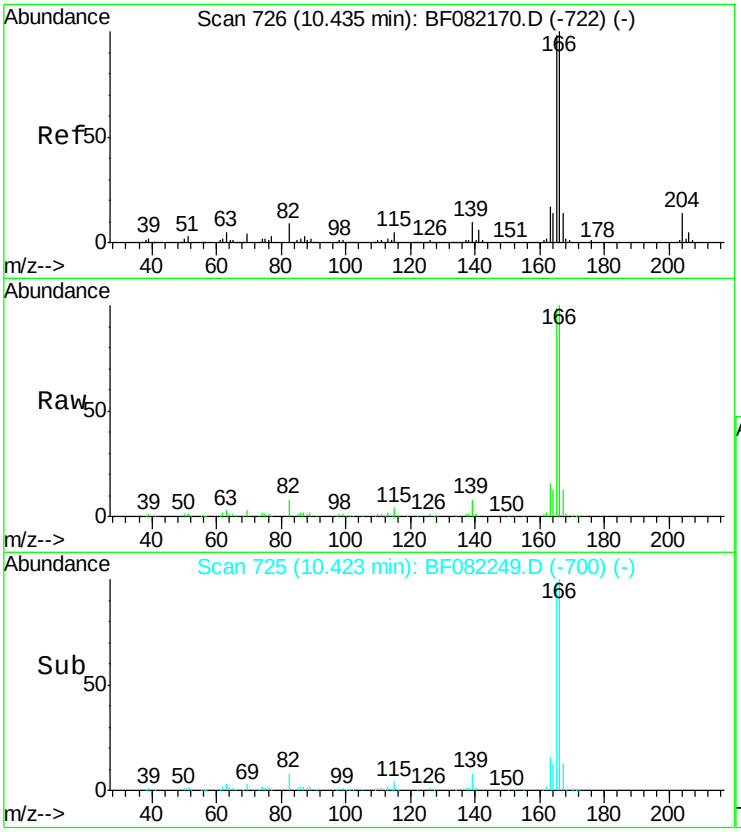


#55
4-Nitrophenol
Concen: 13.08 ng
RT: 10.08 min Scan# 695
Delta R.T. 0.07 min
Lab File: BF082249.D
Acq: 13 Oct 2015 8:01

Tgt Ion:139 Resp: 16272

Ion	Ratio	Lower	Upper
139	100		
109	0.0	44.8	84.8#
65	2.8	67.7	107.7#



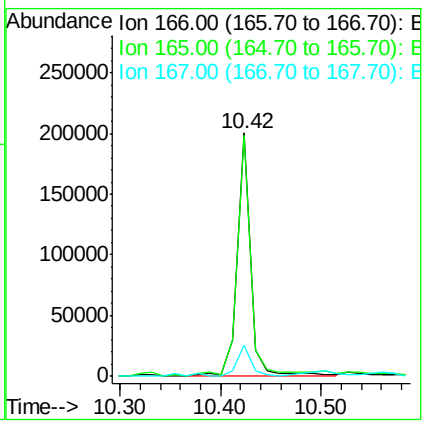


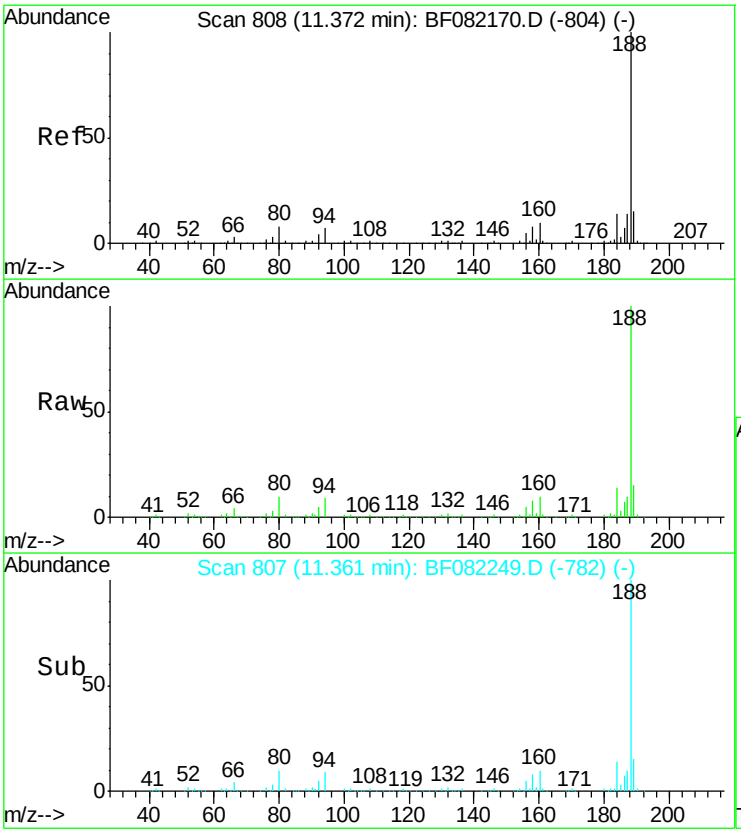
#57
Fluorene
Concen: 19.57 ng
RT: 10.42 min Scan# 725
Delta R.T. -0.01 min
Lab File: BF082249.D
Acq: 13 Oct 2015 8:01

Instrument :
BNA_F
ClientSampleId :
MGP222BR-12-14DL2

Tgt Ion:166 Resp: 187055

Ion	Ratio	Lower	Upper
166	100		
165	99.2	78.3	117.5
167	12.9	10.8	16.2

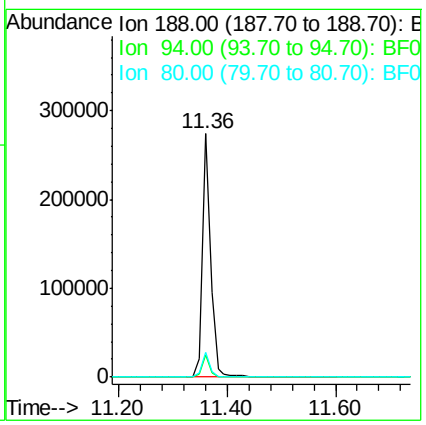


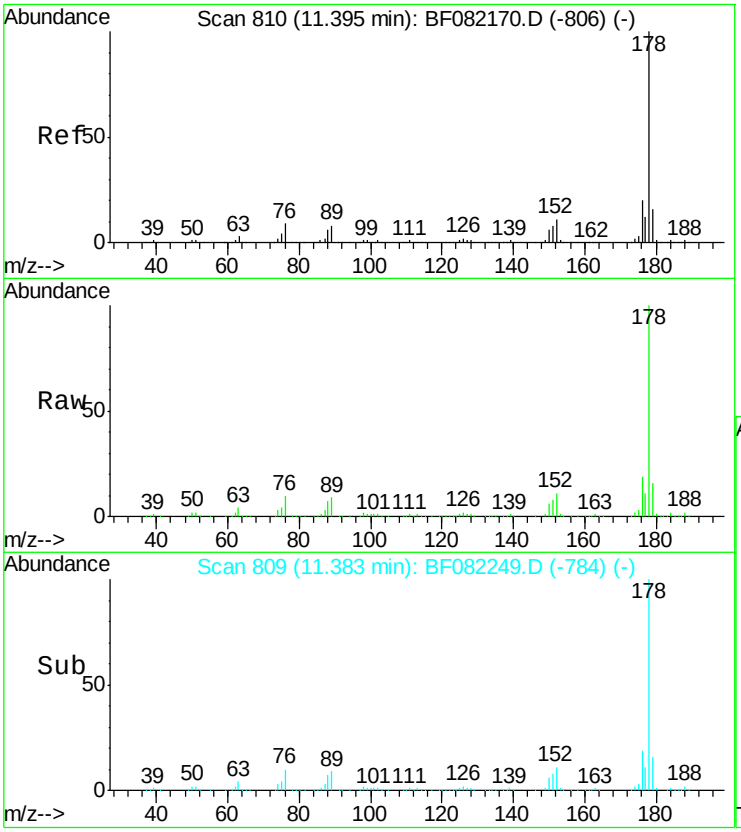


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 807
Delta R.T. -0.01 min
Lab File: BF082249.D
Acq: 13 Oct 2015 8:01

Tgt Ion:188 Resp: 285496

Ion	Ratio	Lower	Upper
188	100		
94	9.0	5.8	8.6#
80	10.3	6.4	9.6#



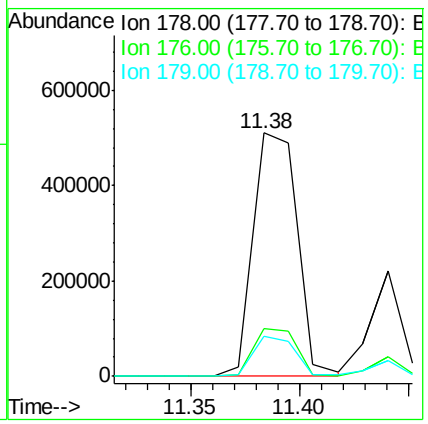


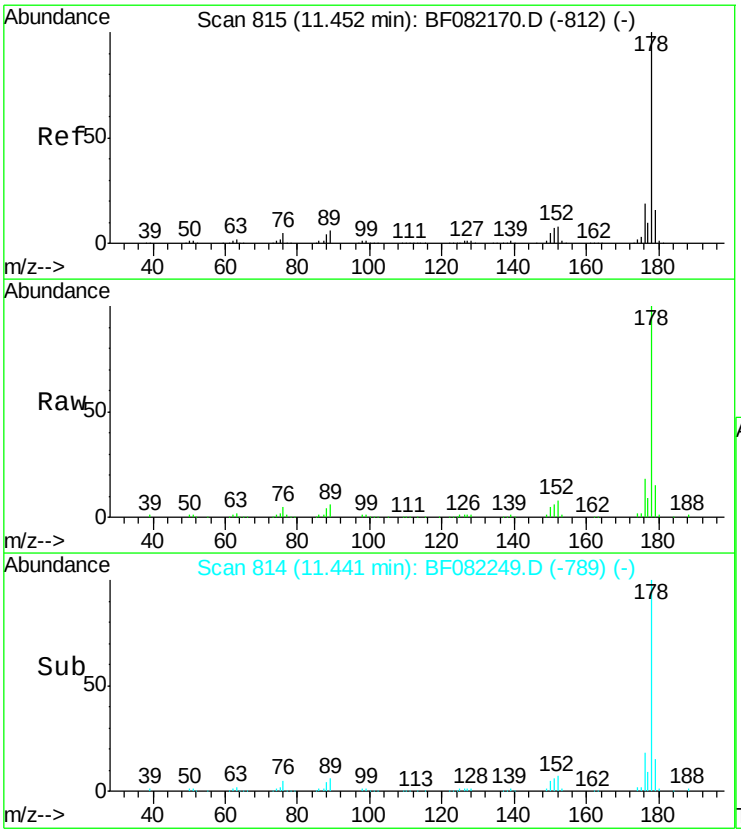
#70
Phenanthrene
Concen: 51.65 ng
RT: 11.38 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF082249.D
Acq: 13 Oct 2015 8:01

Instrument :
BNA_F
ClientSampleId :
MGP222BR-12-14DL2

Tgt Ion:178 Resp: 722846

Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.0	24.0
179	16.2	12.6	19.0

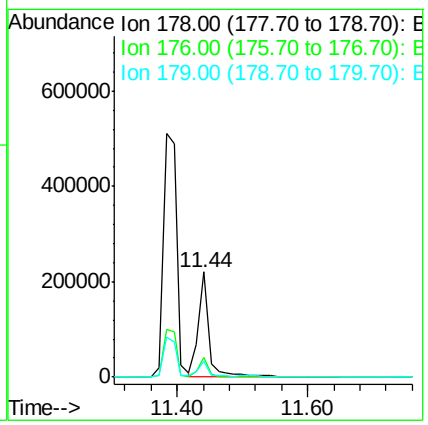


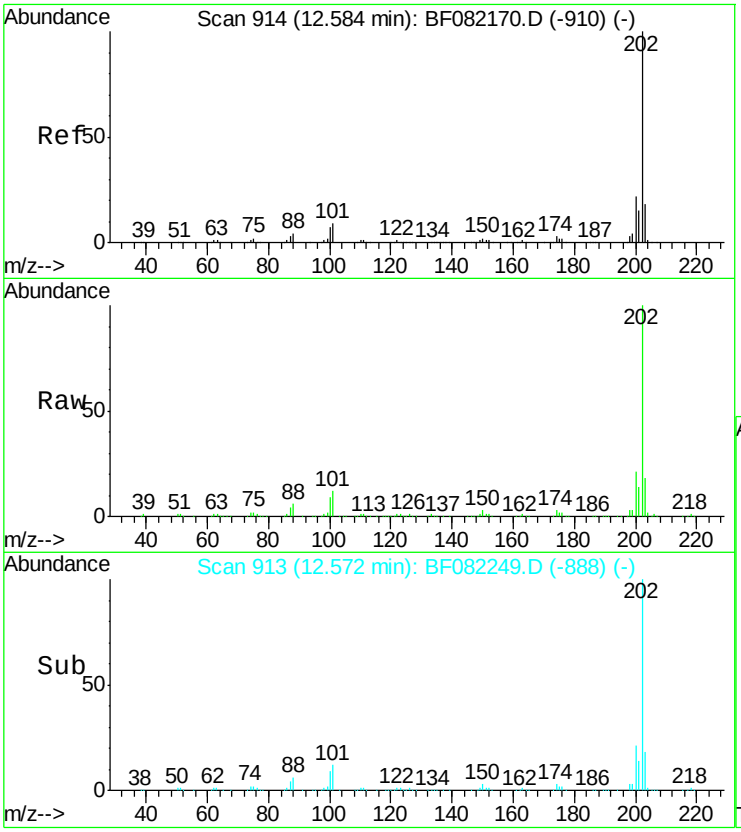


#71
Anthracene
Concen: 17.09 ng
RT: 11.44 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF082249.D
Acq: 13 Oct 2015 8:01

Tgt Ion:178 Resp: 246385

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.0
179	15.0	12.5	18.7



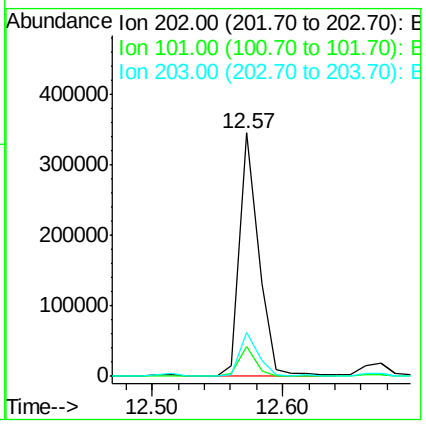


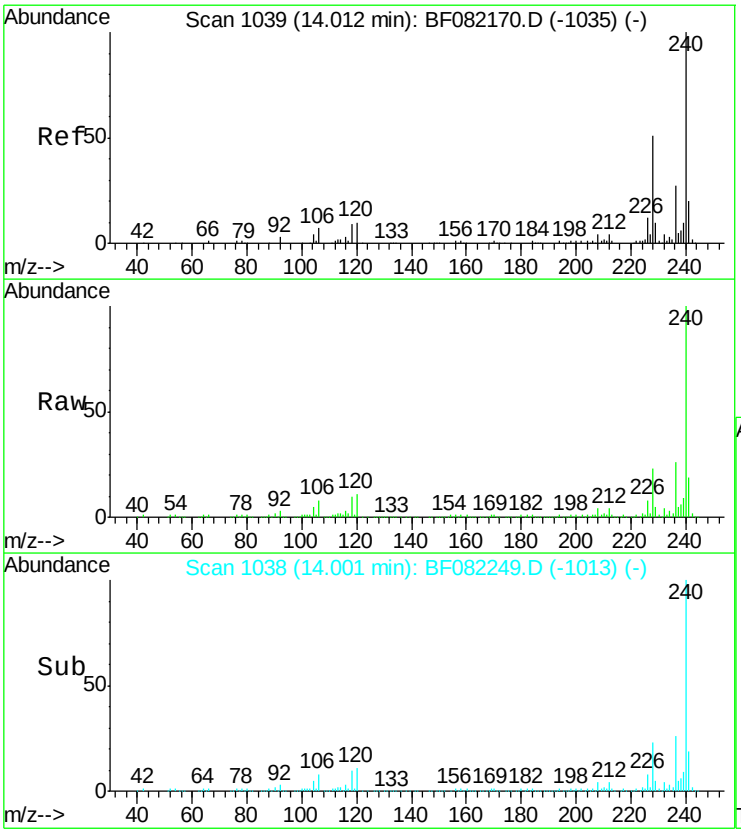
#74
Fluoranthene
Concen: 23.27 ng
RT: 12.57 min Scan# 913
Delta R.T. -0.01 min
Lab File: BF082249.D
Acq: 13 Oct 2015 8:01

Instrument :
BNA_F
ClientSampleId :
MGP222BR-12-14DL2

Tgt Ion:202 Resp: 349678

Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	29.3
203	17.8	0.0	37.8

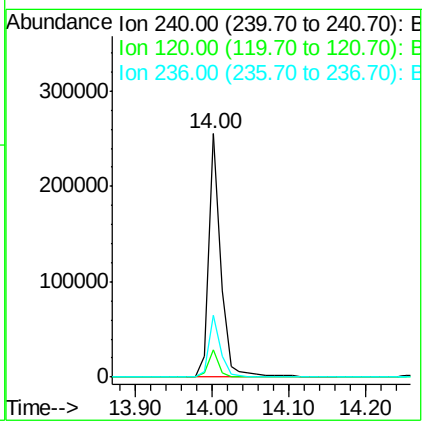


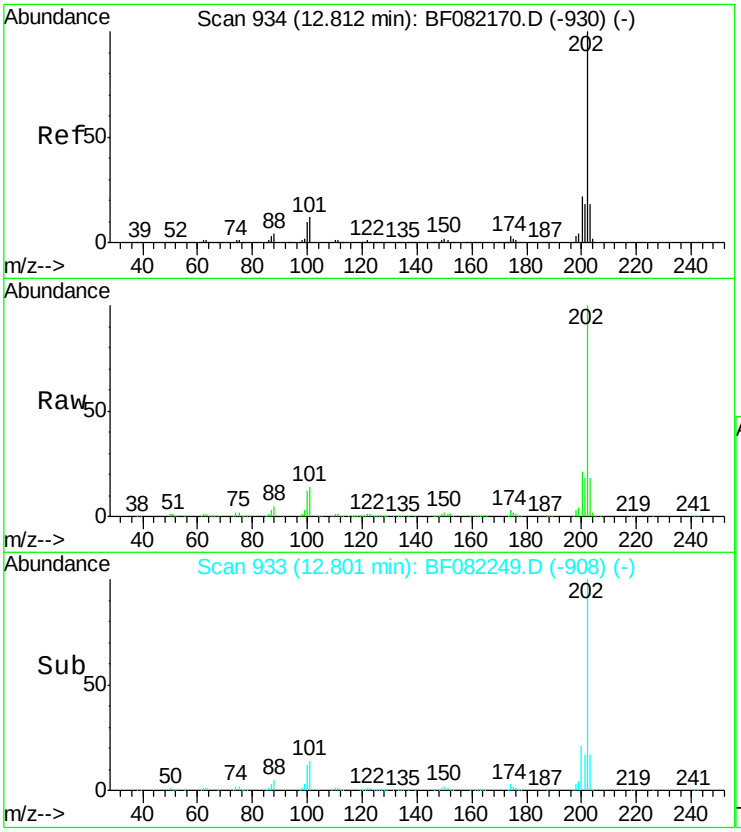


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.00 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF082249.D
Acq: 13 Oct 2015 8:01

Tgt Ion:240 Resp: 274802

Ion	Ratio	Lower	Upper
240	100		
120	11.3	8.1	12.1
236	25.6	21.3	31.9



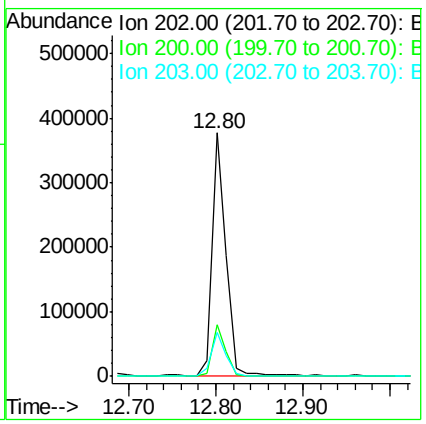


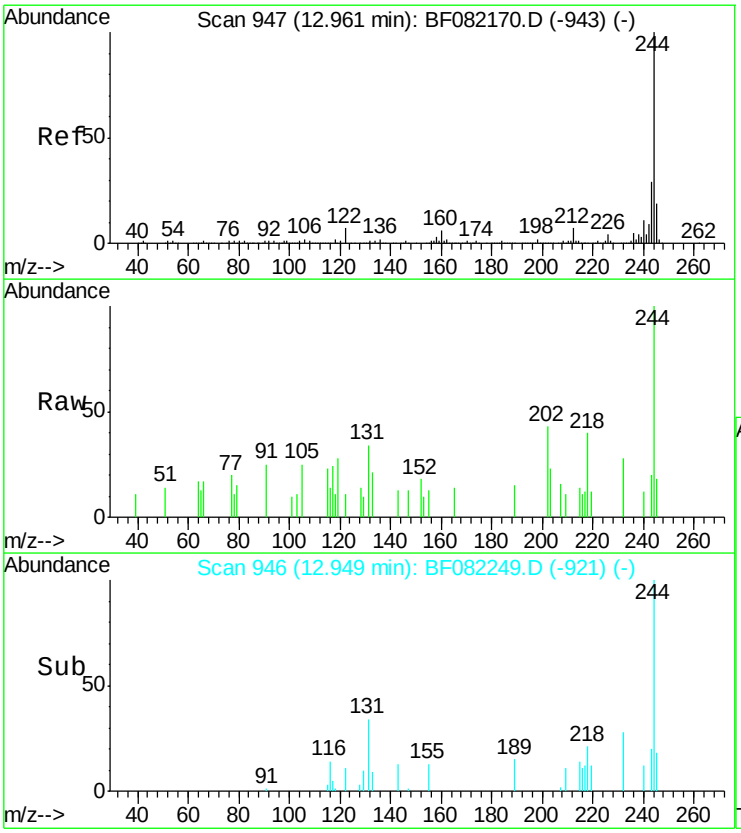
#77
Pyrene
Concen: 25.80 ng
RT: 12.80 min Scan# 933
Delta R.T. -0.01 min
Lab File: BF082249.D
Acq: 13 Oct 2015 8:01

Instrument :
BNA_F
ClientSampleId :
MGP222BR-12-14DL2

Tgt Ion:202 Resp: 420776

Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.9	26.9
203	18.1	14.5	21.7

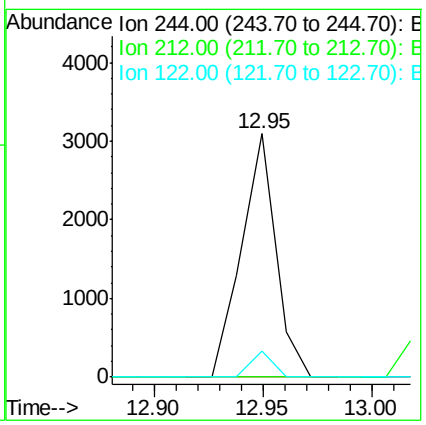


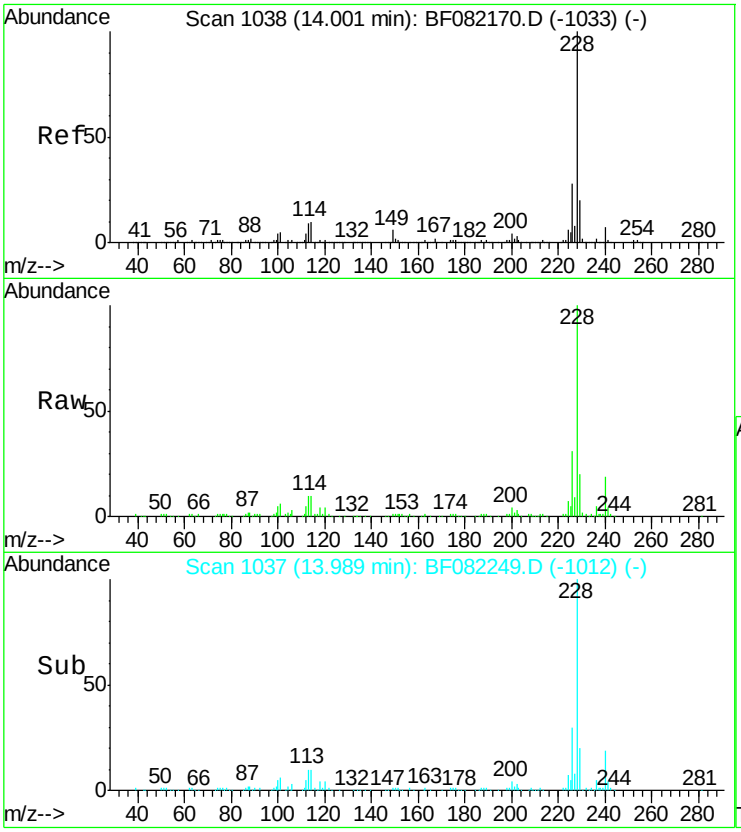


#78
Terphenyl-d14
Concen: 0.33 ng
RT: 12.95 min Scan# 946
Delta R.T. -0.01 min
Lab File: BF082249.D
Acq: 13 Oct 2015 8:01

Tgt Ion:244 Resp: 3404

Ion	Ratio	Lower	Upper
244	100		
212	0.0	5.8	8.6#
122	10.9	5.9	8.9#



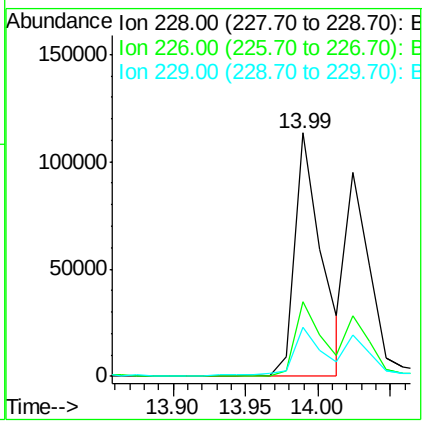


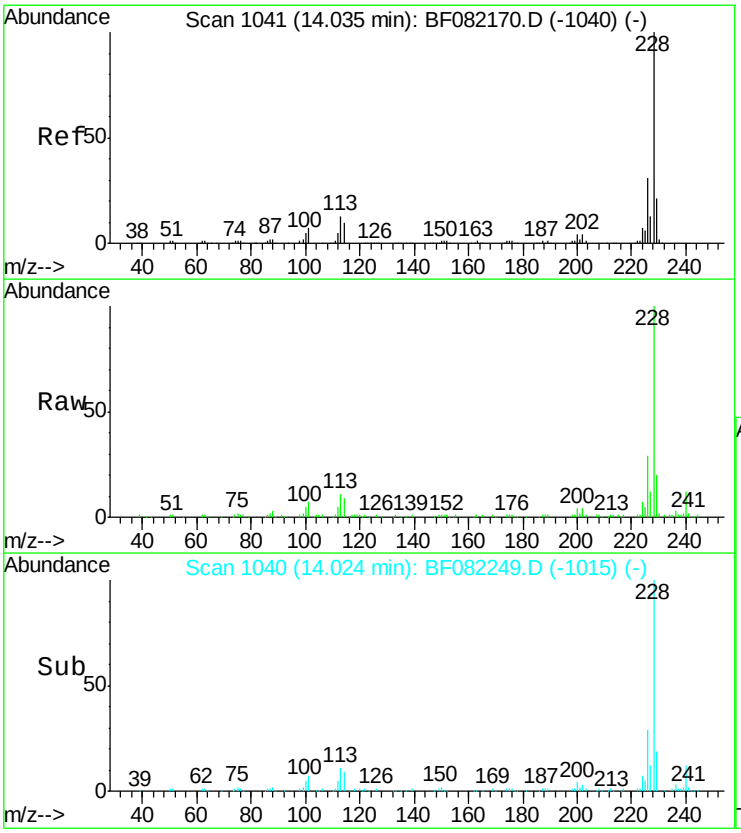
#80
Benzo(a)anthracene
Concen: 10.15 ng
RT: 13.99 min Scan# 1037
Delta R.T. -0.01 min
Lab File: BF082249.D
Acq: 13 Oct 2015 8:01

Instrument :
BNA_F
ClientSampleId :
MGP222BR-12-14DL2

Tgt Ion:228 Resp: 145195

Ion	Ratio	Lower	Upper
228	100		
226	30.8	22.3	33.5
229	20.2	16.2	24.2

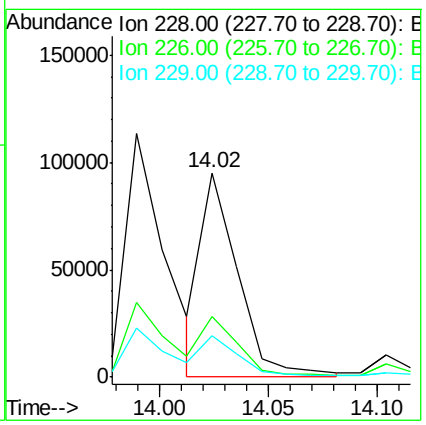


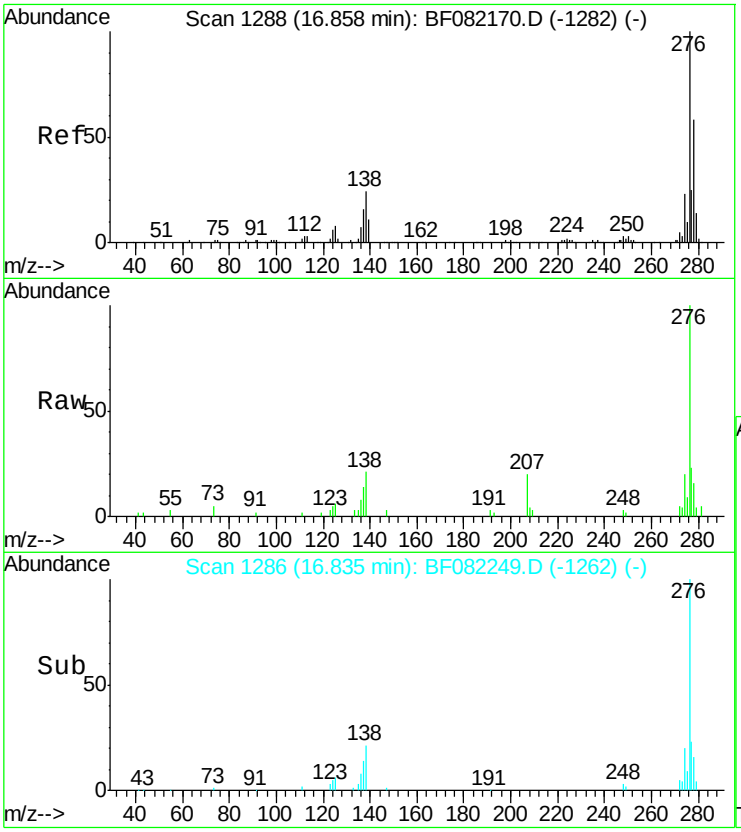


#82
Chrysene
Concen: 7.43 ng
RT: 14.02 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF082249.D
Acq: 13 Oct 2015 8:01

Tgt Ion:228 Resp: 111872

Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.4	36.6
229	20.0	16.3	24.5



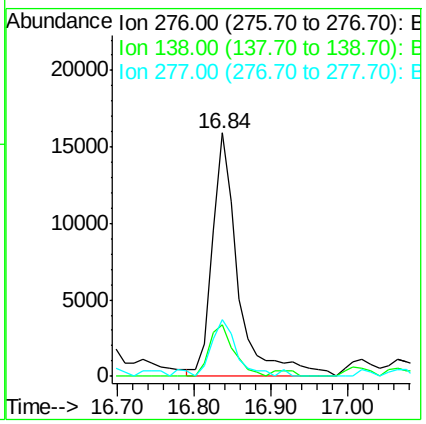


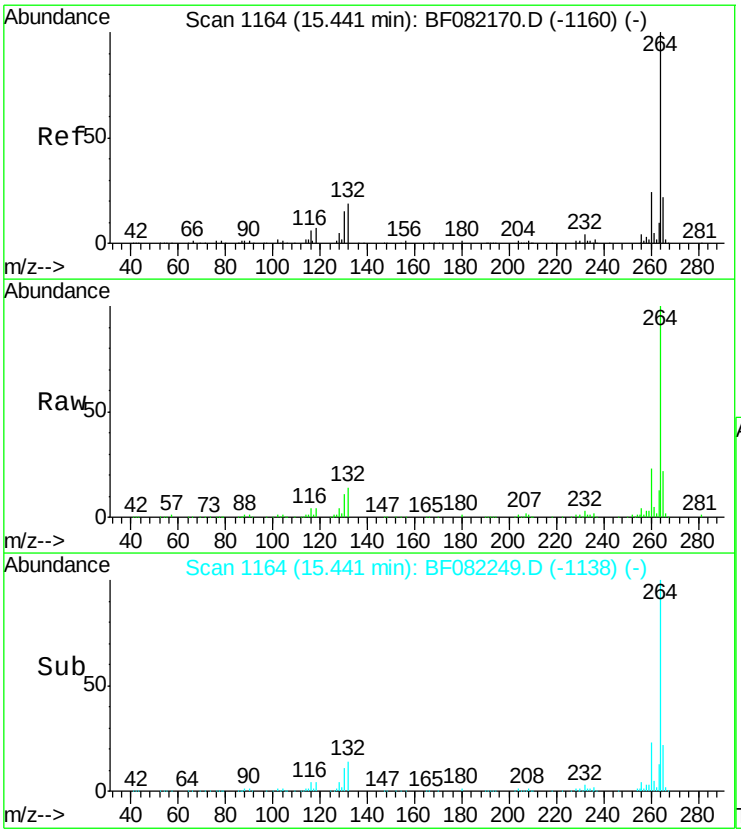
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.11 ng
RT: 16.84 min Scan# 1286
Delta R.T. -0.02 min
Lab File: BF082249.D
Acq: 13 Oct 2015 8:01

Instrument :
BNA_F
ClientSampleId :
MGP222BR-12-14DL2

Tgt Ion:276 Resp: 37198

Ion	Ratio	Lower	Upper
276	100		
138	20.1	19.7	29.5
277	23.7	20.1	30.1

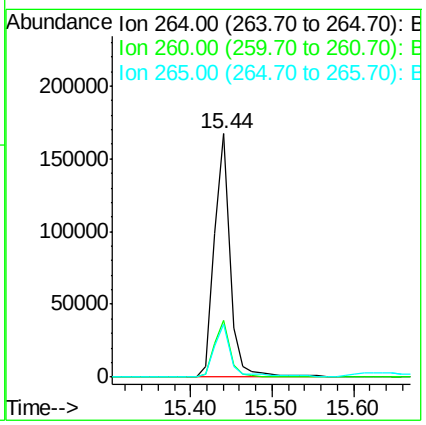


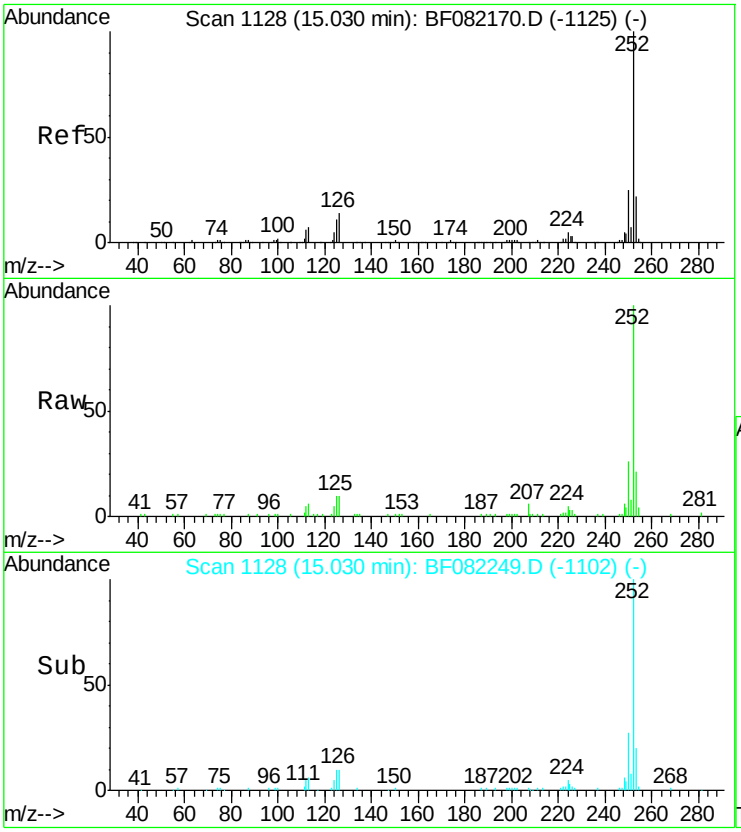


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1164
Delta R.T. -0.00 min
Lab File: BF082249.D
Acq: 13 Oct 2015 8:01

Tgt Ion:264 Resp: 226881

Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.0	28.6
265	21.7	17.3	25.9



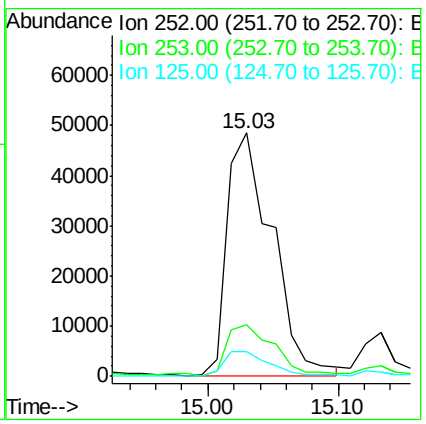


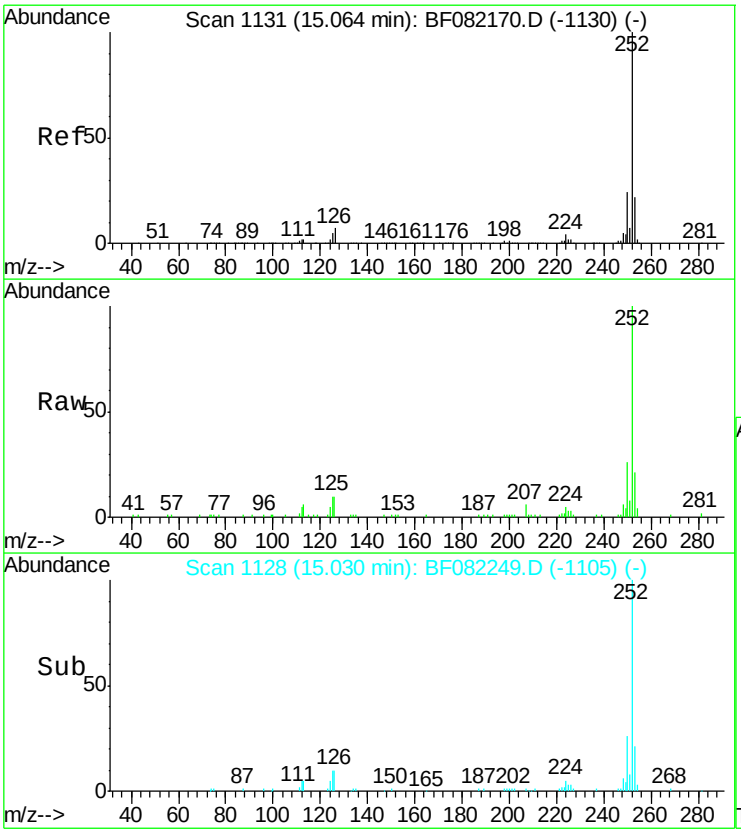
#87
Benzo(b)fluoranthene
Concen: 8.46 ng
RT: 15.03 min Scan# 1128
Delta R.T. 0.00 min
Lab File: BF082249.D
Acq: 13 Oct 2015 8:01

Instrument :
BNA_F
ClientSampleId :
MGP222BR-12-14DL2

Tgt Ion:252 Resp: 116798

Ion	Ratio	Lower	Upper
252	100		
253	21.2	18.0	27.0
125	10.3	8.6	12.8

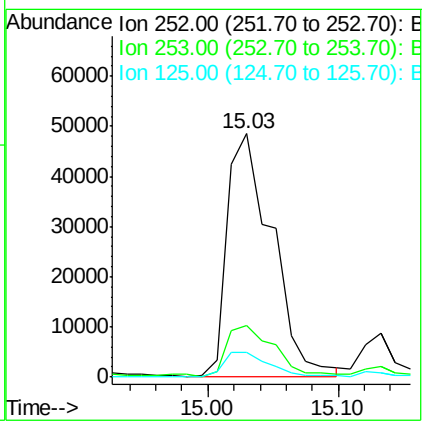


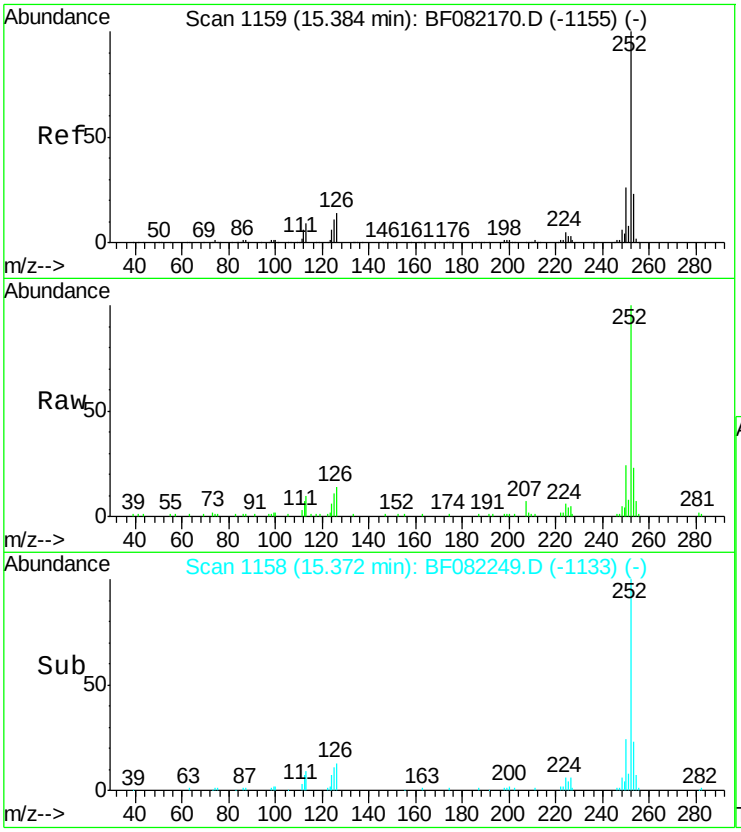


#88
Benzo(k)fluoranthene
Concen: 10.07 ng
RT: 15.03 min Scan# 1128
Delta R.T. -0.03 min
Lab File: BF082249.D
Acq: 13 Oct 2015 8:01

Tgt Ion:252 Resp: 116798

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.8	26.6
125	10.3	6.7	10.1#



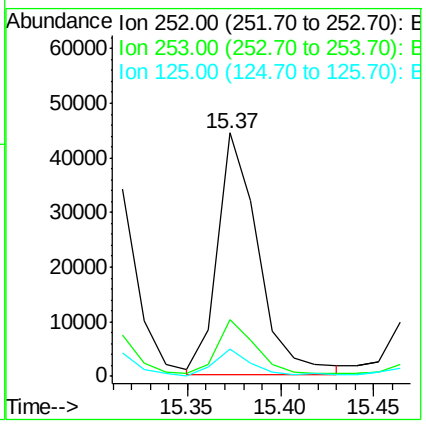


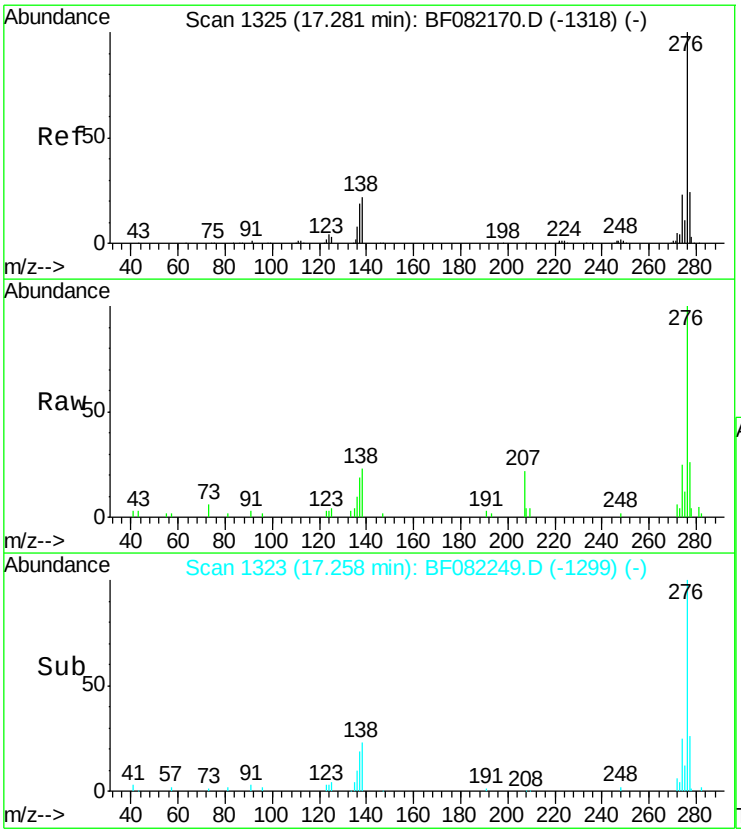
#89
Benzo(a)pyrene
Concen: 5.67 ng
RT: 15.37 min Scan# 1158
Delta R.T. -0.01 min
Lab File: BF082249.D
Acq: 13 Oct 2015 8:01

Instrument :
BNA_F
ClientSampleId :
MGP222BR-12-14DL2

Tgt Ion:252 Resp: 67275

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.2	27.2
125	11.0	8.9	13.3





#91
Benzo(g,h,i)perylene
Concen: 3.81 ng
RT: 17.26 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BF082249.D
Acq: 13 Oct 2015 8:01

Tgt Ion:276 Resp: 36004

Ion	Ratio	Lower	Upper
276	100		
277	26.2	18.8	28.2
138	23.1	17.4	26.2