Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011316\
Data File : BF084481.D
Acq On : 14 Jan 2016 10:35
Operator : SJ/UM
Sample : H1077-05 5X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : POST-EX-5-20160108

Quant Time: Jan 14 16:57:27 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 14 14:15:52 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	377886	20.00	ng		0.00
21) Naphthalene-d8	8.12	136	1498381	20.00	ng		0.00
38) Acenaphthene-d10	9.87	164	597709	20.00	ng		0.00
63) Phenanthrene-d10	11.36	188	924499	20.00	ng		0.00
75) Chrysene-d12	14.00	240	720477	20.00	ng		0.00
86) Perylene-d12	15.41	264	696702	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.44	112	578816	24.78	ng		0.00
7) Phenol-d6	6.46	99	685526	23.36	ng		-0.01
23) Nitrobenzene-d5	7.39	82	400673	14.88	ng		-0.01
41) 2,4,6-Tribromophenol	10.66	330	116645	19.33	ng		-0.01
44) 2-Fluorobiphenyl	9.20	172	763913	17.46	ng		0.00
78) Terphenyl-d14	12.93	244	414180	12.83	ng		-0.01
Target Compounds							Qvalue
31) Naphthalene	8.14	128	430966	6.34	ng		98
37) 2-Methylnaphthalene	8.83	142	109433	2.24	ng		97
48) Acenaphthylene	9.73	152	139407	2.53	ng		98
49) Dimethylphthalate	9.60	163	118962	2.78	ng	#	91
51) Acenaphthene	9.90	154	160078	4.33	ng		97
57) Fluorene	10.42	166	226217	3.94	ng		98
70) Phenanthrene	11.38	178	1624129	33.59	ng		97
71) Anthracene	11.42	178	432428	9.12	ng		99
72) Carbazole	11.58	167	167979	3.62	ng		97
74) Fluoranthene	12.57	202	1677467	33.21	ng		98
77) Pyrene	12.80	202	1526728	27.00	ng		98
80) Benzo(a)anthracene	13.99	228	801033	18.93	ng		94
82) Chrysene	14.02	228	745096m	18.33	ng		
85) Indeno(1,2,3-cd)pyrene	16.80	276	344649	10.70	ng		95
87) Benzo(b)fluoranthene	15.01	252	925856m	20.32	ng		
88) Benzo(k)fluoranthene	15.04	252	271549m	7.29	ng		
89) Benzo(a)pyrene	15.36	252	651314	16.85	ng	#	95
90) Dibenzo(a,h)anthracene	16.80	278	79966	2.40	ng	#	90
91) Benzo(g,h,i)perylene	17.21	276	326491	9.48	ng		97

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

Quantitation Report (LSC Reviewed)

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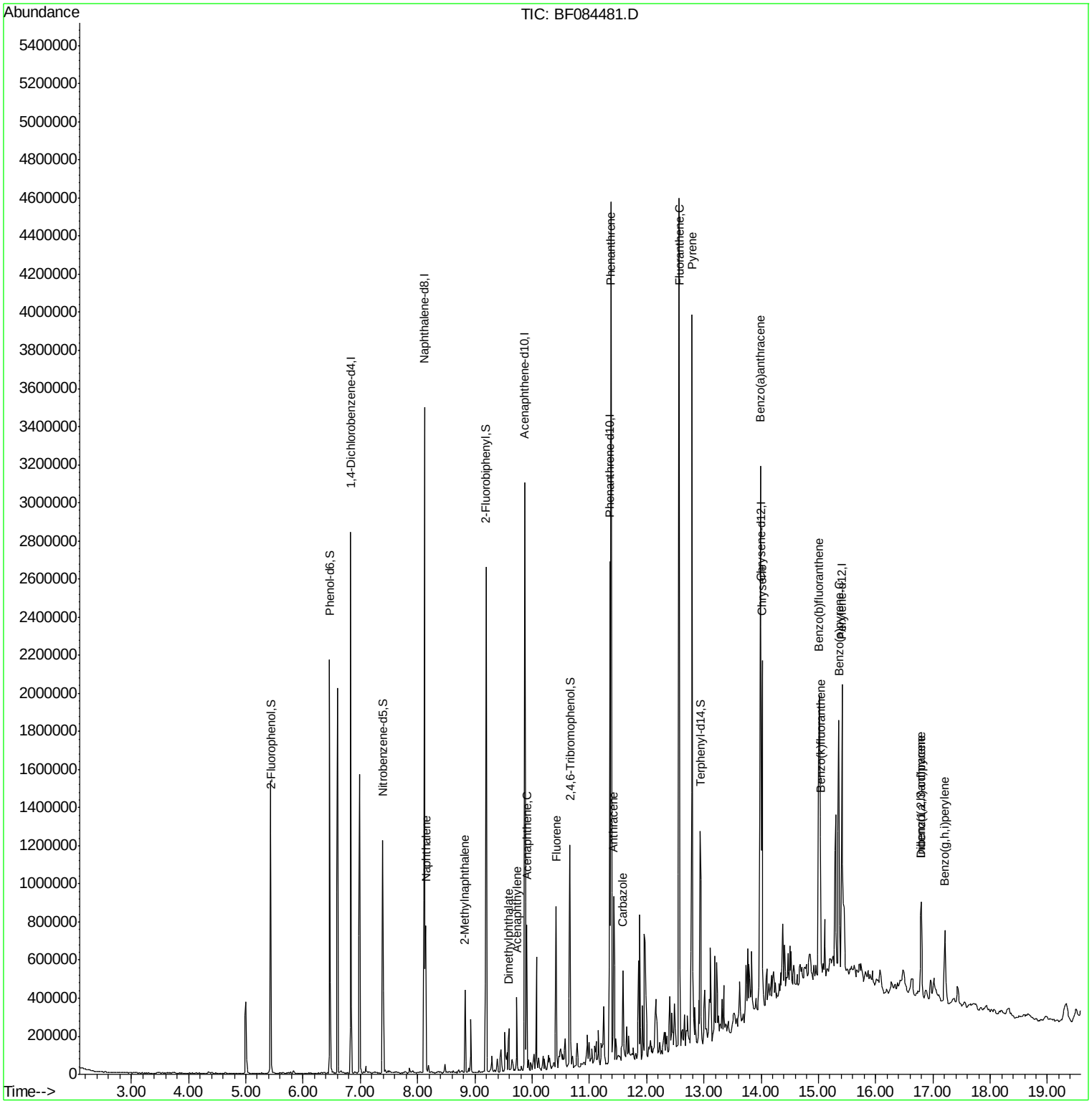
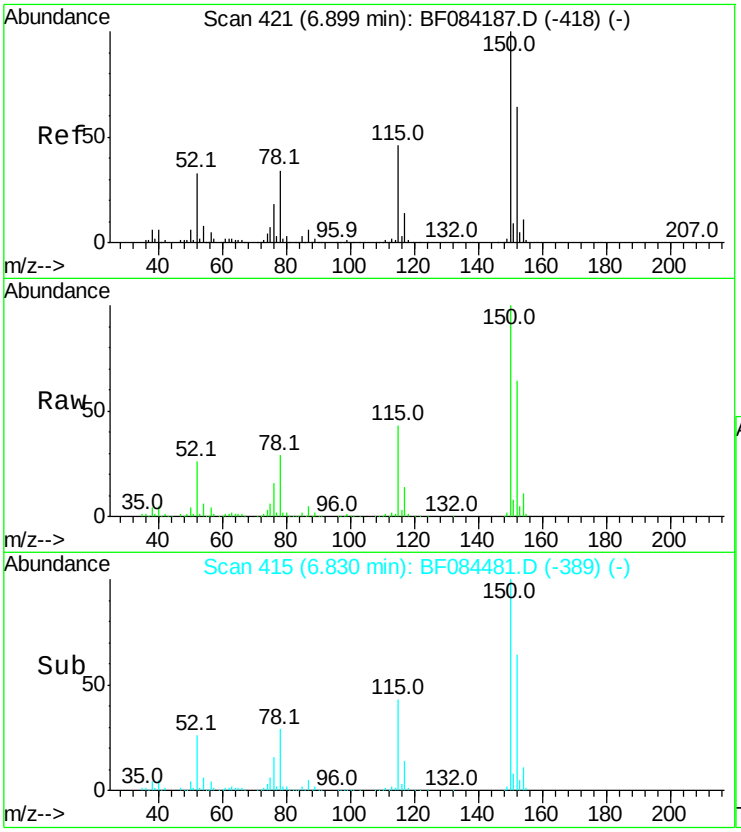
Acq On : 14 Jan 2016 10:35
Operator : SJ/UM
Sample : H1077-05 5X
Misc :
ALS Vial : 35 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
POST-EX-5-20160108

Quant Time: Jan 14 16:57:27 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 14 14:15:52 2016
Response via : Initial Calibration



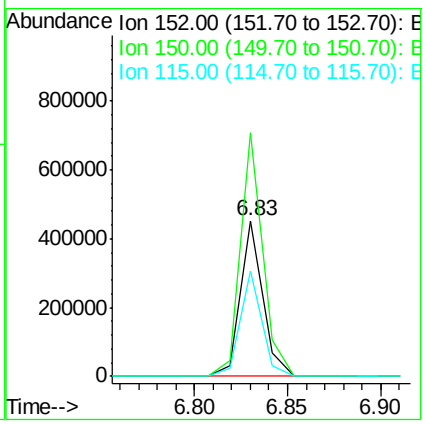


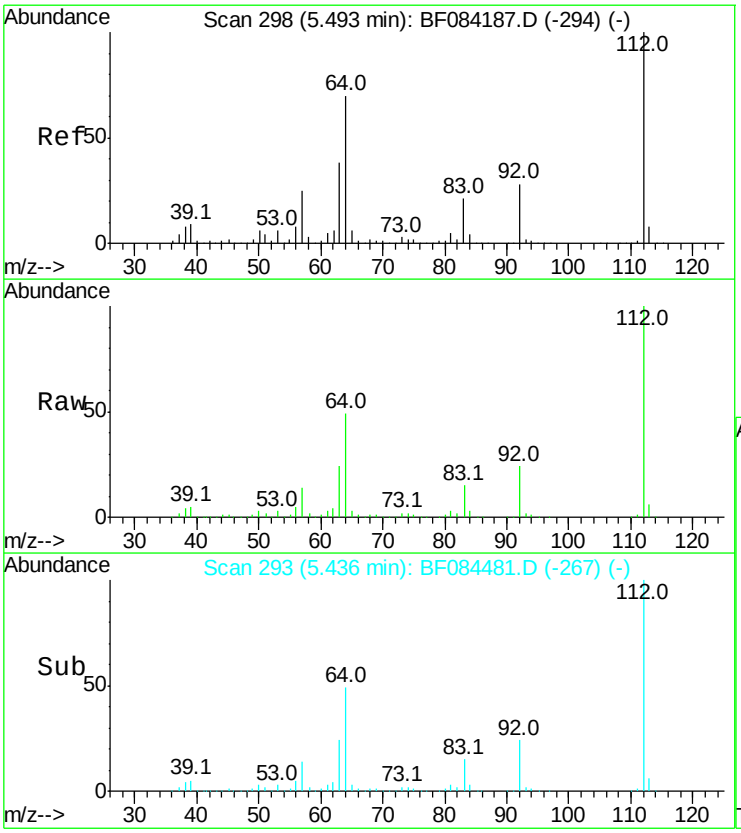
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 415
Delta R.T. 0.00 min
Lab File: BF084481.D
Acq: 14 Jan 2016 10:35

Instrument :
BNA_F
ClientSampleId :
POST-EX-5-20160108

Tgt Ion:152 Resp: 377886

Ion	Ratio	Lower	Upper
152	100		
150	156.5	123.0	184.4
115	67.9	51.4	77.2

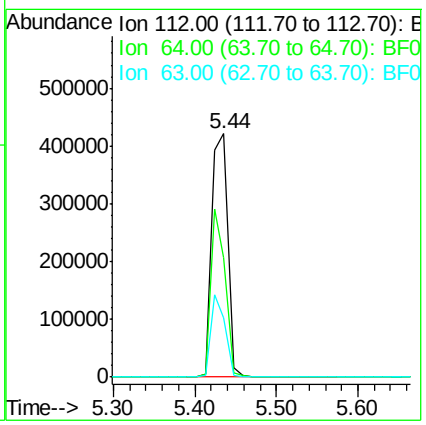


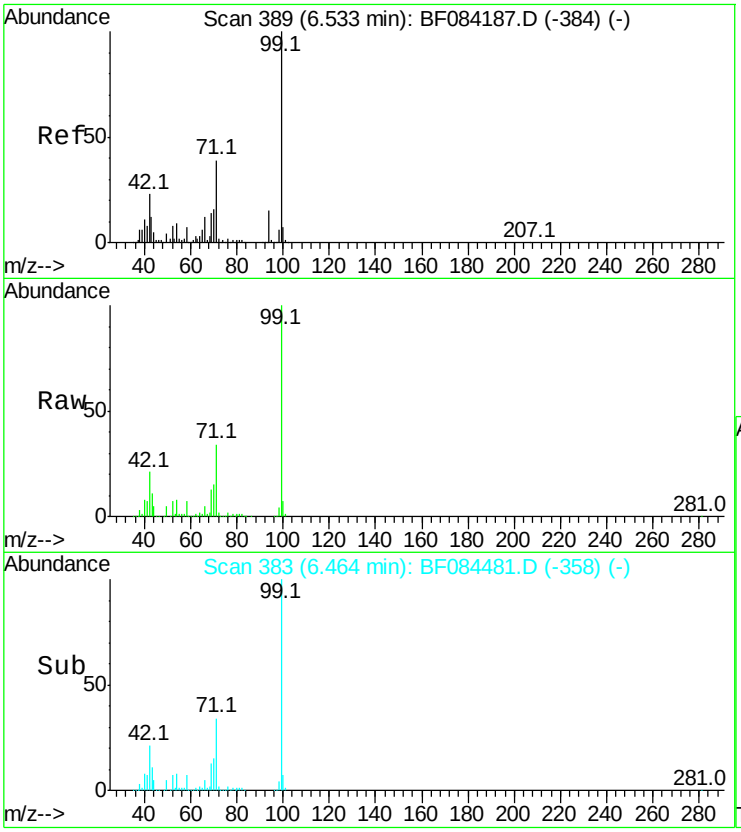


#5
2-Fluorophenol
Concen: 24.78 ng
RT: 5.44 min Scan# 293
Delta R.T. 0.00 min
Lab File: BF084481.D
Acq: 14 Jan 2016 10:35

Tgt Ion:112 Resp: 578816

Ion	Ratio	Lower	Upper
112	100		
64	49.1	36.6	55.0
63	24.4	19.4	29.0



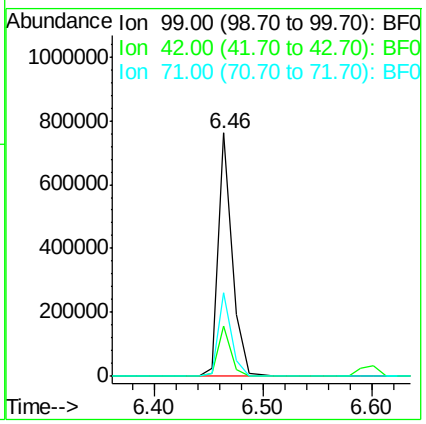


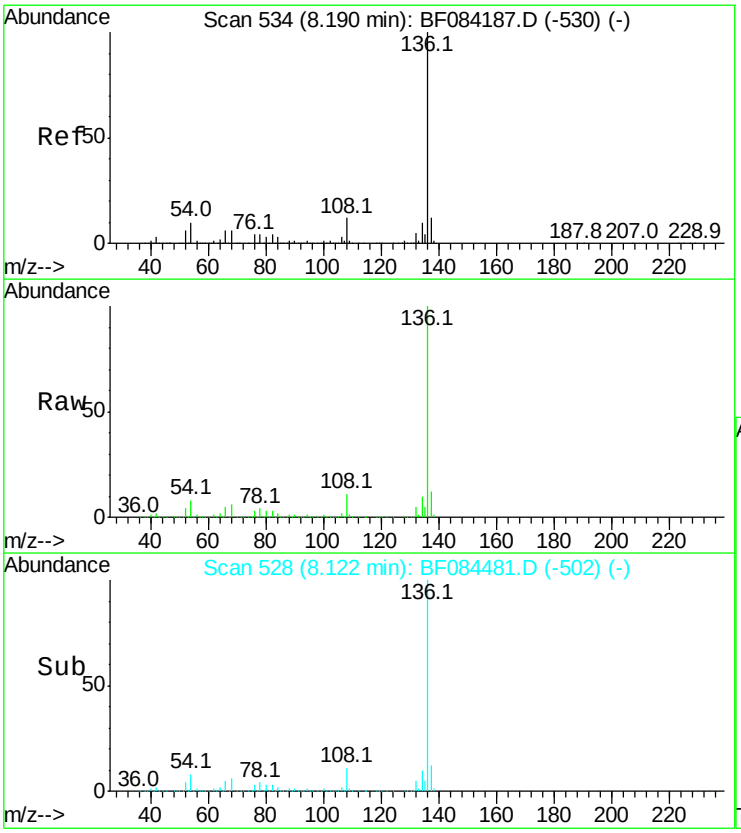
#7
Phenol-d6
Concen: 23.36 ng
RT: 6.46 min Scan# 383
Delta R.T. -0.01 min
Lab File: BF084481.D
Acq: 14 Jan 2016 10:35

Instrument :
BNA_F
ClientSampleId :
POST-EX-5-20160108

Tgt Ion: 99 Resp: 685526

Ion	Ratio	Lower	Upper
99	100		
42	20.5	12.8	19.2#
71	34.3	30.9	46.3

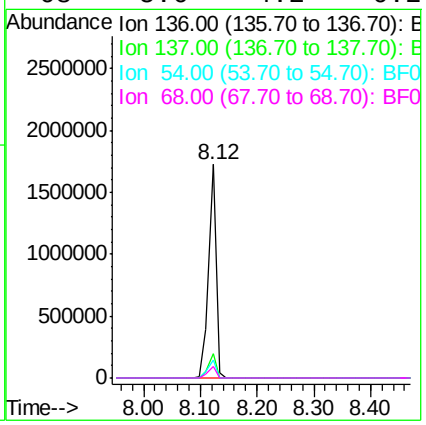


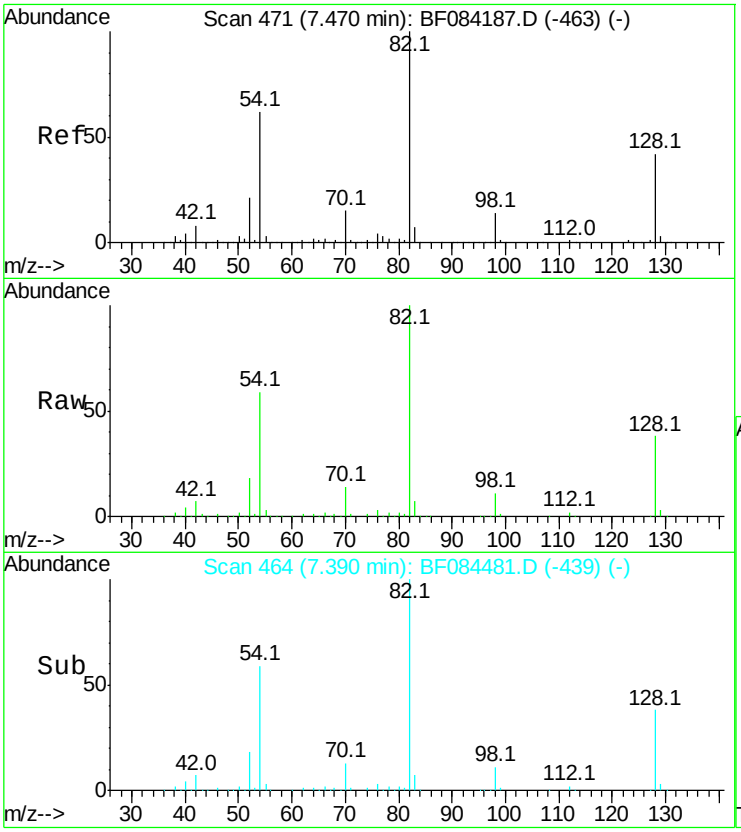


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. 0.00 min
Lab File: BF084481.D
Acq: 14 Jan 2016 10:35

Tgt Ion:136 Resp: 1498381

Ion	Ratio	Lower	Upper
136	100		
137	11.7	8.7	13.1
54	8.4	5.8	8.8
68	5.6	4.2	6.2



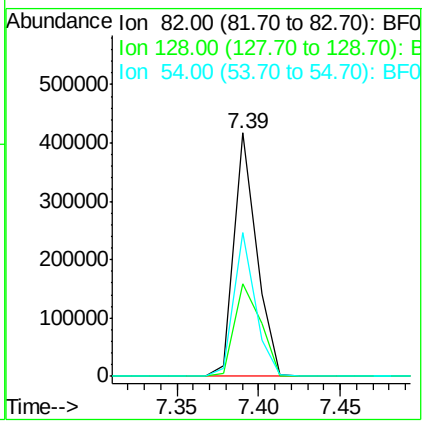


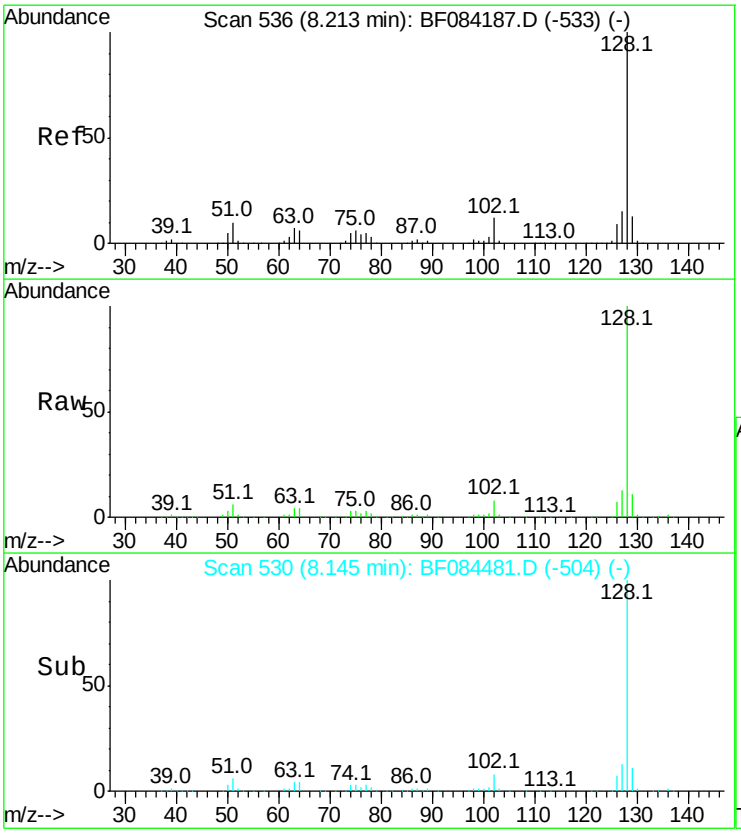
#23
Nitrobenzene-d5
Concen: 14.88 ng
RT: 7.39 min Scan# 464
Delta R.T. -0.01 min
Lab File: BF084481.D
Acq: 14 Jan 2016 10:35

Instrument :
BNA_F
ClientSampleId :
POST-EX-5-20160108

Tgt Ion: 82 Resp: 400673

Ion	Ratio	Lower	Upper
82	100		
128	38.1	34.6	51.8
54	59.0	38.4	57.6#

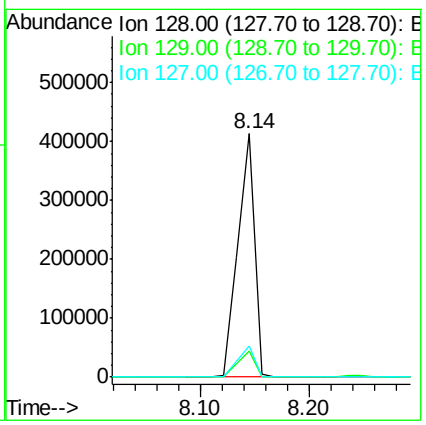


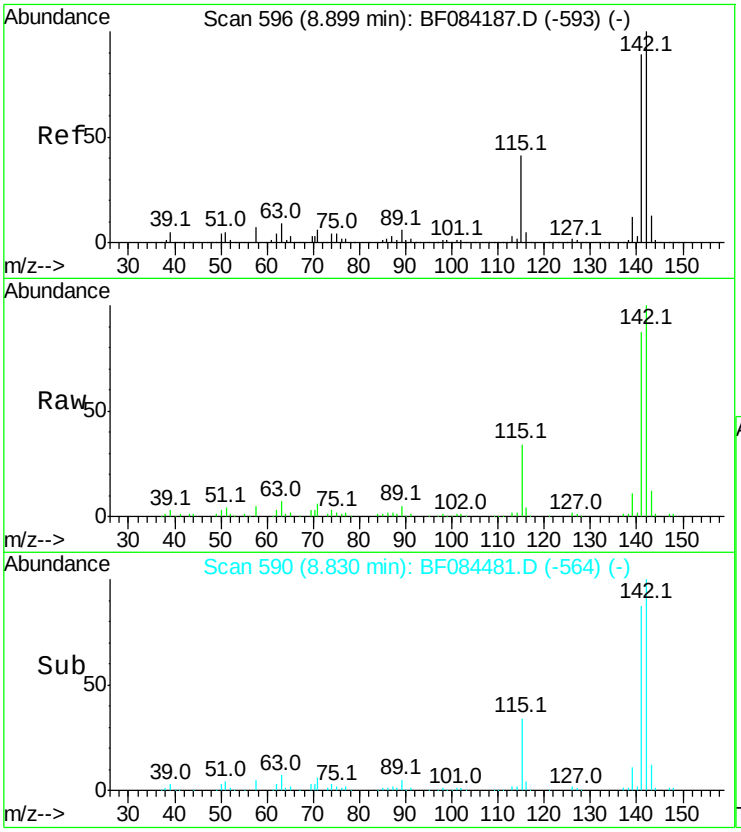


#31
Naphthalene
Concen: 6.34 ng
RT: 8.14 min Scan# 530
Delta R.T. 0.00 min
Lab File: BF084481.D
Acq: 14 Jan 2016 10:35

Tgt Ion:128 Resp: 430966

Ion	Ratio	Lower	Upper
128	100		
129	10.9	9.1	13.7
127	12.8	11.1	16.7



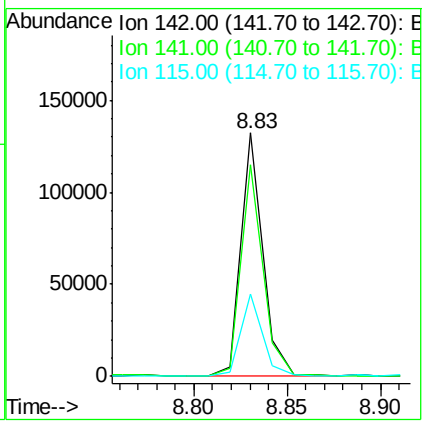


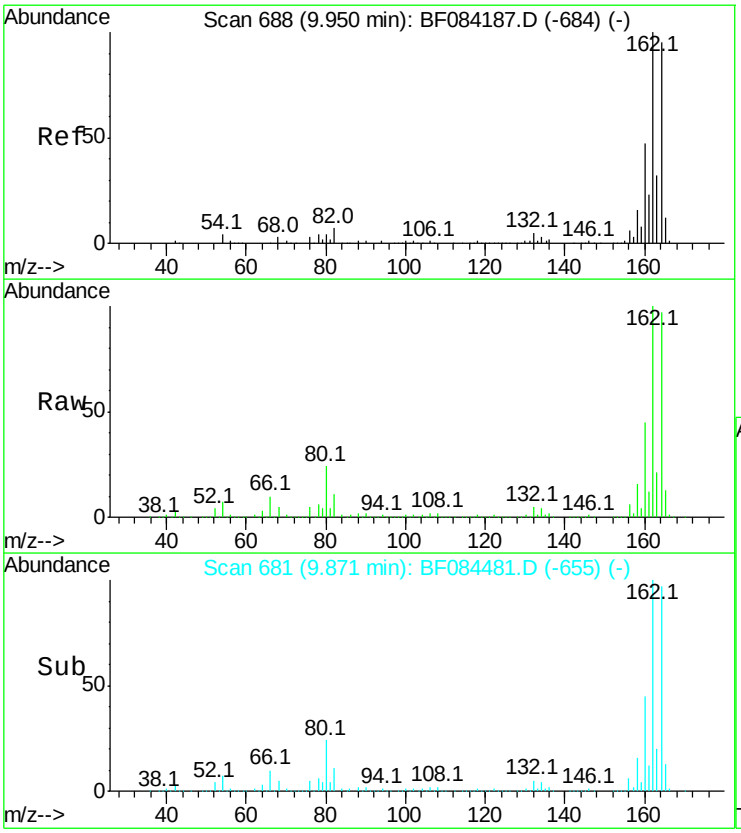
#37
2-Methylnaphthalene
Concen: 2.24 ng
RT: 8.83 min Scan# 590
Delta R.T. 0.00 min
Lab File: BF084481.D
Acq: 14 Jan 2016 10:35

Instrument :
BNA_F
ClientSampleId :
POST-EX-5-20160108

Tgt Ion:142 Resp: 109433

Ion	Ratio	Lower	Upper
142	100		
141	86.9	72.4	108.6
115	33.6	27.9	41.9

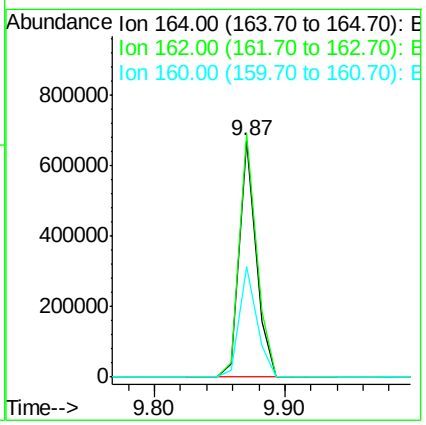


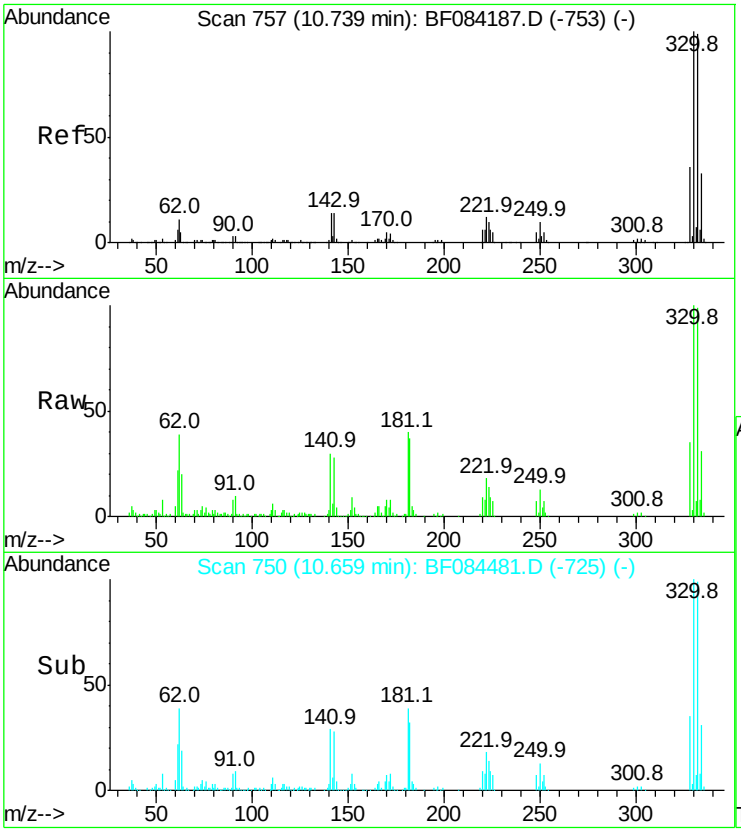


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.87 min Scan# 681
Delta R.T. 0.00 min
Lab File: BF084481.D
Acq: 14 Jan 2016 10:35

Tgt Ion:164 Resp: 597709

Ion	Ratio	Lower	Upper
164	100		
162	103.0	85.1	127.7
160	46.6	37.5	56.3



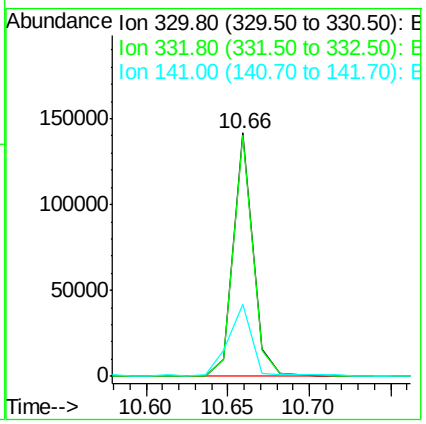


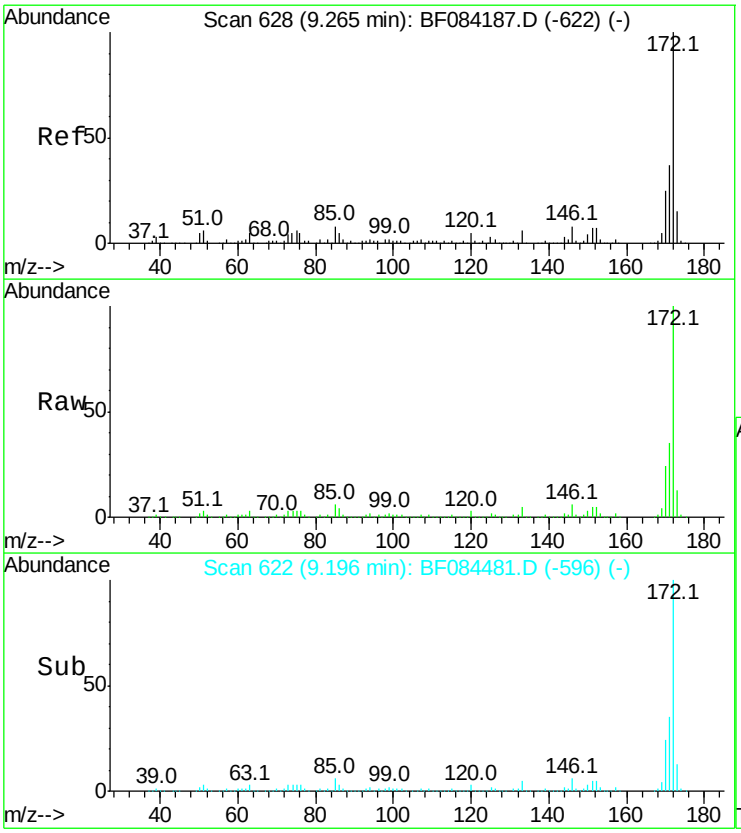
#41
2,4,6-Tribromophenol
Concen: 19.33 ng
RT: 10.66 min Scan# 750
Delta R.T. -0.01 min
Lab File: BF084481.D
Acq: 14 Jan 2016 10:35

Instrument :
BNA_F
ClientSampleId :
POST-EX-5-20160108

Tgt Ion:330 Resp: 116645

Ion	Ratio	Lower	Upper
330	100		
332	99.3	76.6	114.8
141	38.3	27.8	41.6

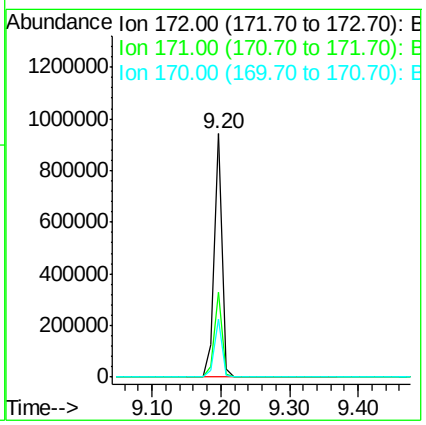


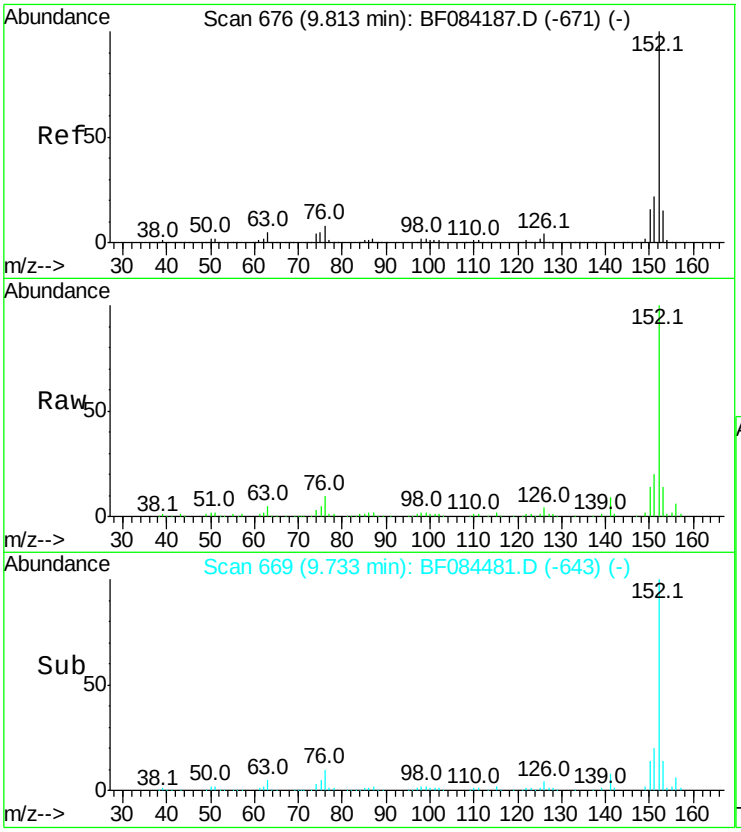


#44
2-Fluorobiphenyl
Concen: 17.46 ng
RT: 9.20 min Scan# 622
Delta R.T. 0.00 min
Lab File: BF084481.D
Acq: 14 Jan 2016 10:35

Tgt Ion:172 Resp: 763913

Ion	Ratio	Lower	Upper
172	100		
171	34.7	28.9	43.3
170	23.6	18.6	27.8



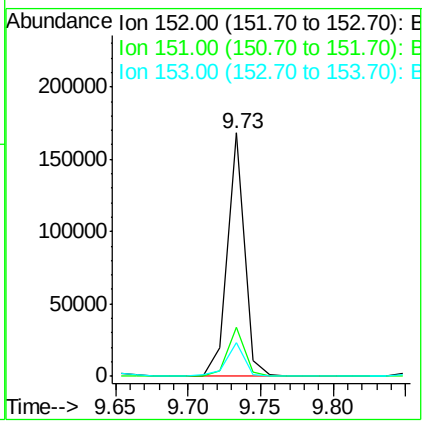


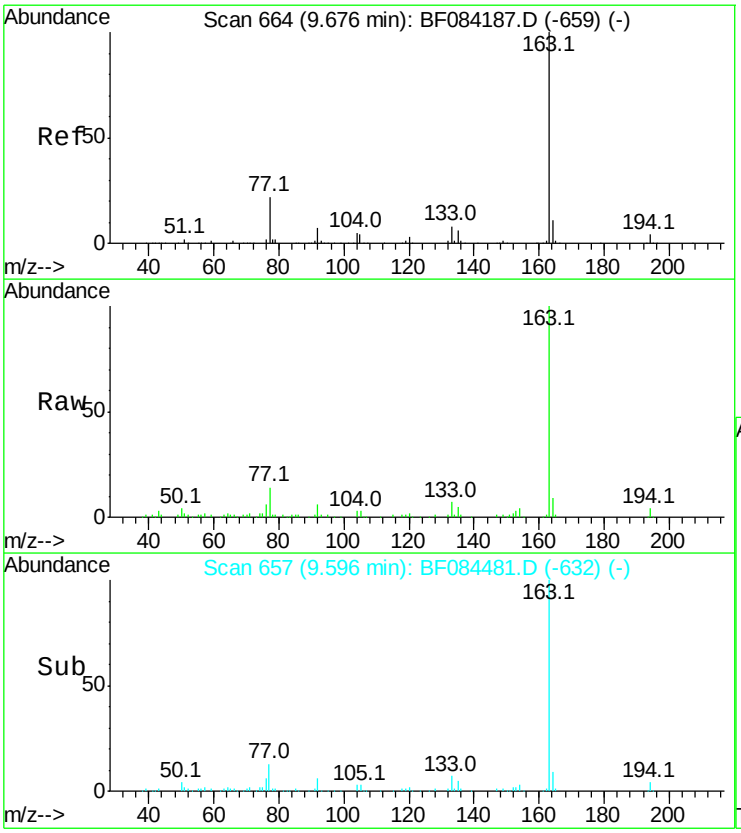
#48
Acenaphthylene
Concen: 2.53 ng
RT: 9.73 min Scan# 669
Delta R.T. 0.00 min
Lab File: BF084481.D
Acq: 14 Jan 2016 10:35

Instrument :
BNA_F
ClientSampleId :
POST-EX-5-20160108

Tgt Ion:152 Resp: 139407

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.3	24.5
153	14.0	10.4	15.6

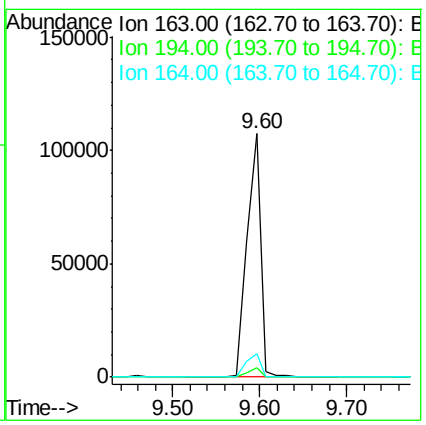


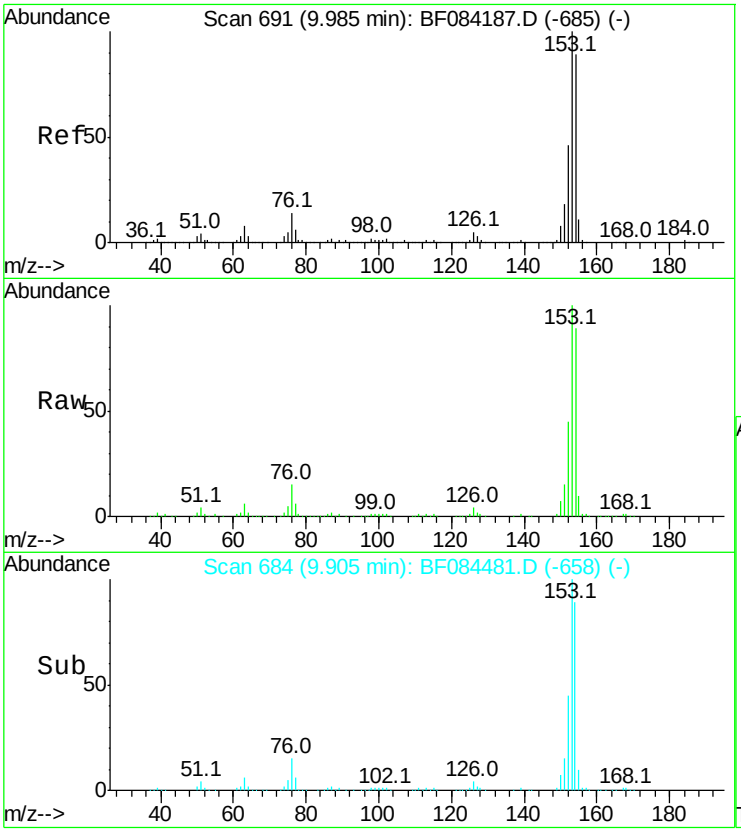


#49
Dimethylphthalate
Concen: 2.78 ng
RT: 9.60 min Scan# 657
Delta R.T. -0.01 min
Lab File: BF084481.D
Acq: 14 Jan 2016 10:35

Tgt Ion:163 Resp: 118962

Ion	Ratio	Lower	Upper
163	100		
194	4.1	8.0	12.0#
164	9.4	8.0	12.0



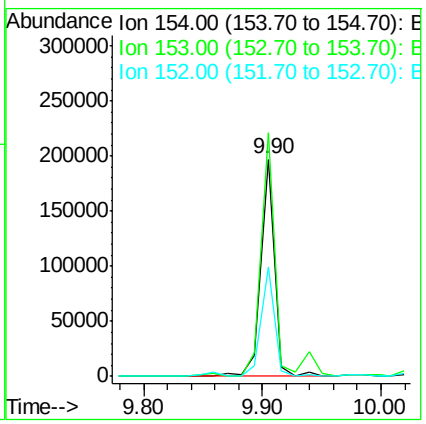


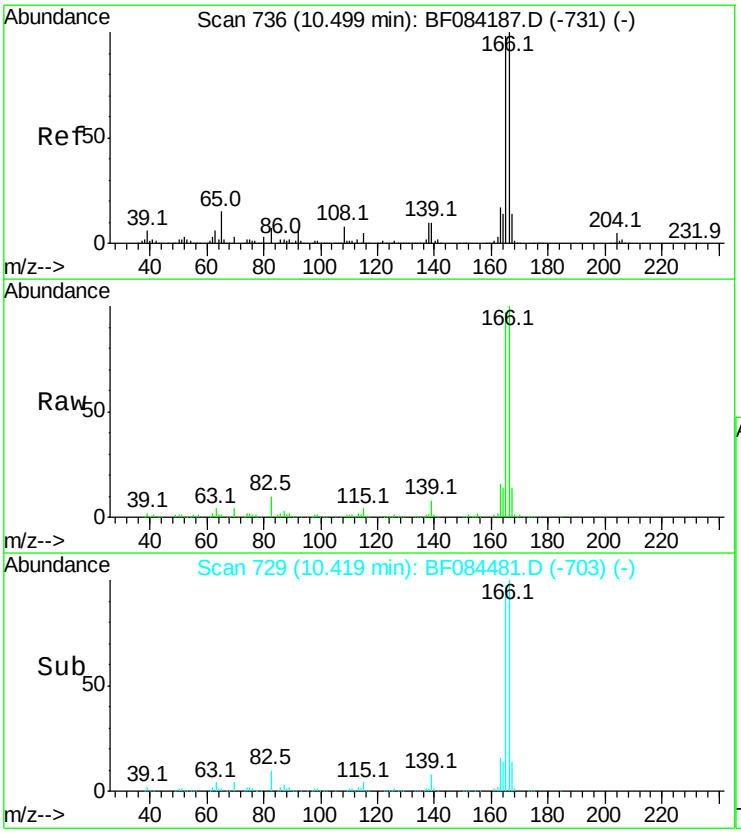
#51
Acenaphthene
Concen: 4.33 ng
RT: 9.90 min Scan# 684
Delta R.T. 0.00 min
Lab File: BF084481.D
Acq: 14 Jan 2016 10:35

Instrument :
BNA_F
ClientSampleId :
POST-EX-5-20160108

Tgt Ion:154 Resp: 160078

Ion	Ratio	Lower	Upper
154	100		
153	112.3	91.5	137.3
152	50.5	43.0	64.6

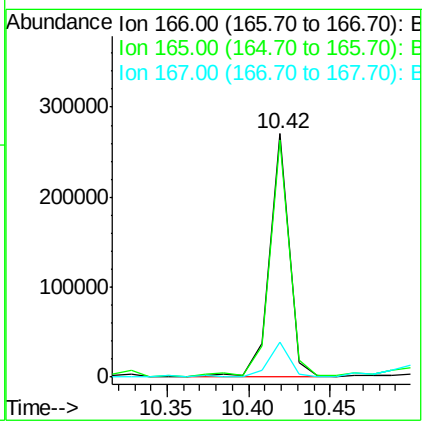


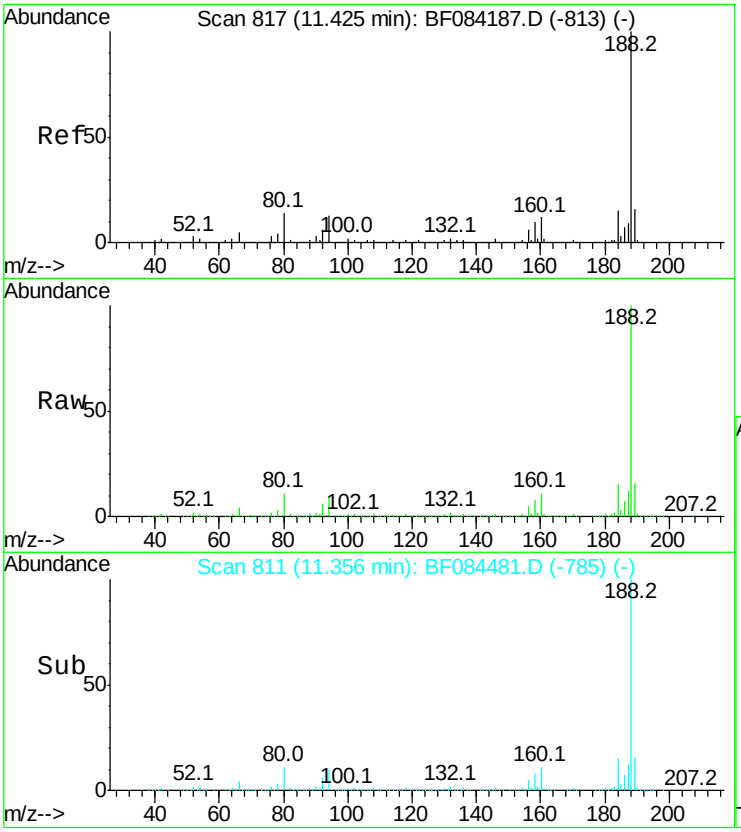


#57
Fluorene
Concen: 3.94 ng
RT: 10.42 min Scan# 729
Delta R.T. 0.00 min
Lab File: BF084481.D
Acq: 14 Jan 2016 10:35

Tgt Ion:166 Resp: 226217

Ion	Ratio	Lower	Upper
166	100		
165	97.3	79.1	118.7
167	14.3	10.4	15.6



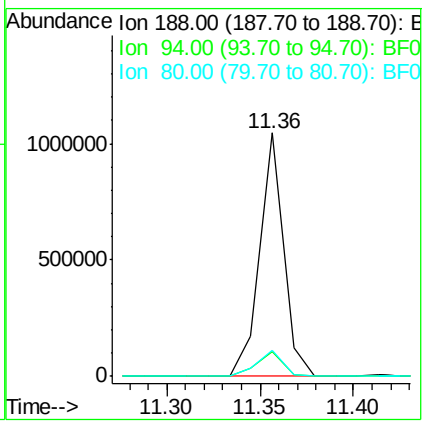


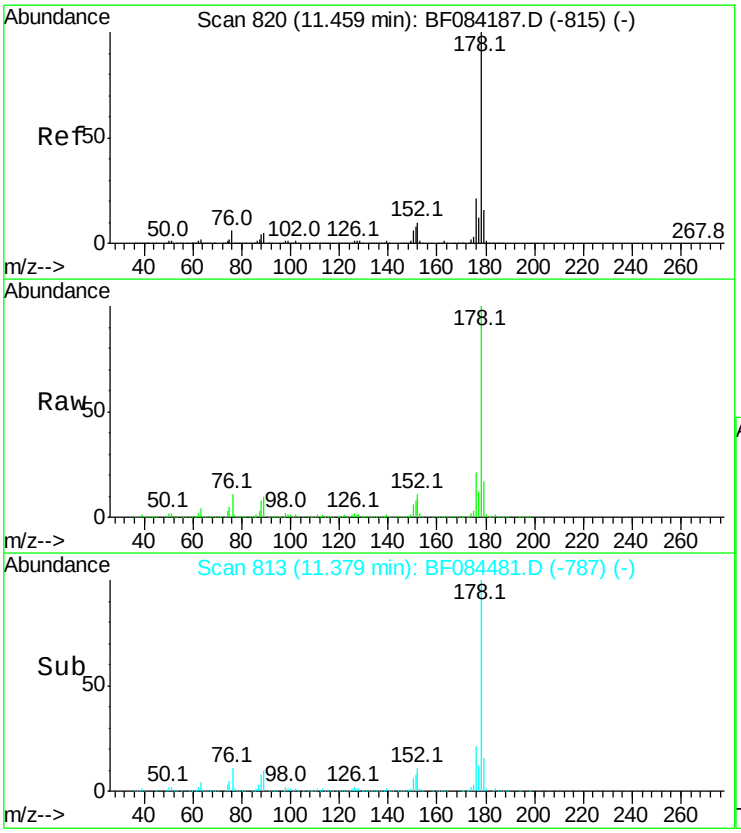
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 811
Delta R.T. 0.00 min
Lab File: BF084481.D
Acq: 14 Jan 2016 10:35

Instrument :
BNA_F
ClientSampleId :
POST-EX-5-20160108

Tgt Ion:188 Resp: 924499

Ion	Ratio	Lower	Upper
188	100		
94	10.1	9.0	13.4
80	10.6	9.6	14.4

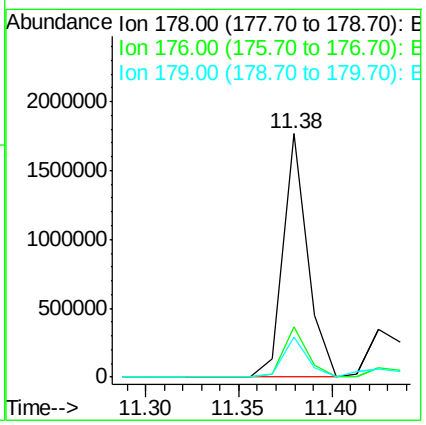


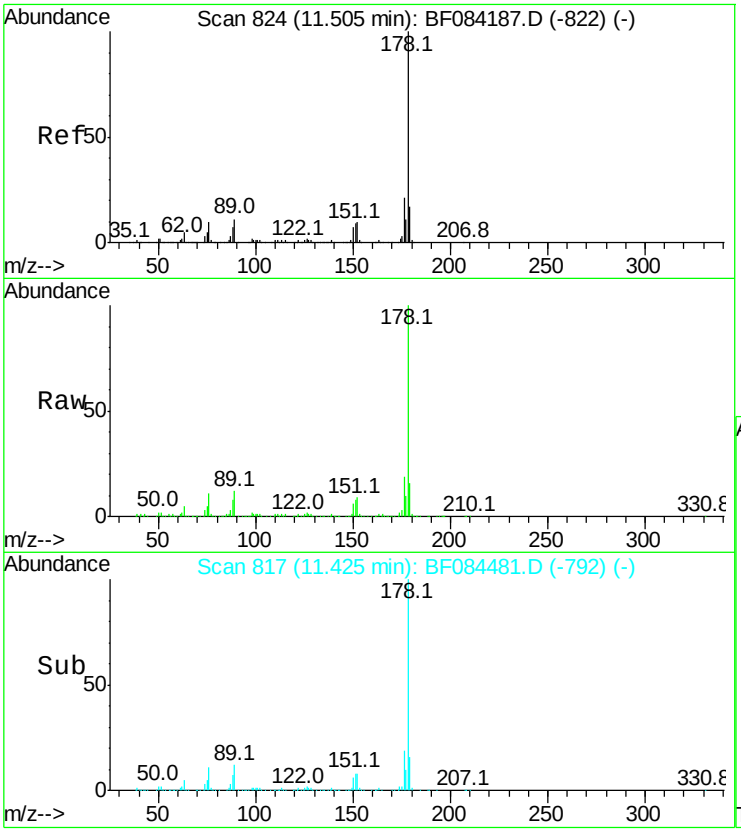


#70
Phenanthrene
Concen: 33.59 ng
RT: 11.38 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF084481.D
Acq: 14 Jan 2016 10:35

Tgt Ion:178 Resp: 1624129

Ion	Ratio	Lower	Upper
178	100		
176	20.6	15.3	22.9
179	16.6	12.0	18.0



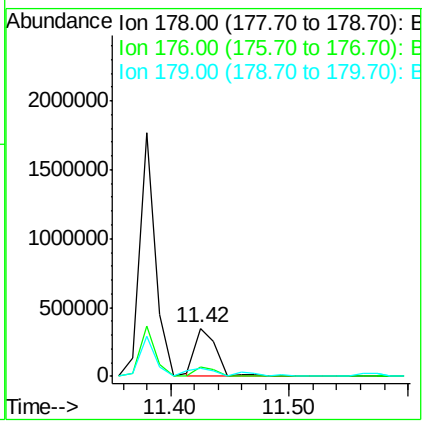


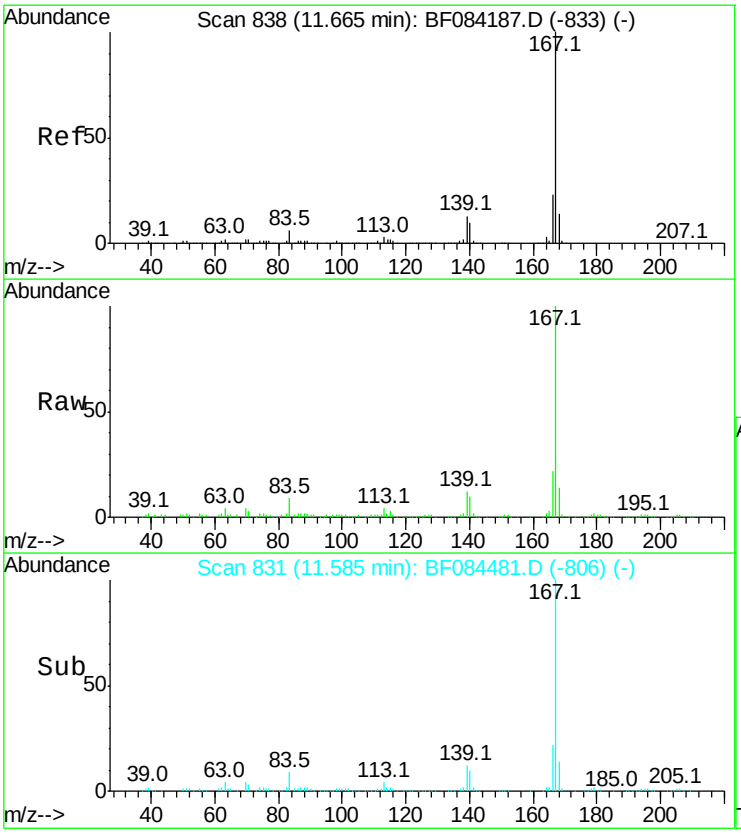
#71
Anthracene
Concen: 9.12 ng
RT: 11.42 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF084481.D
Acq: 14 Jan 2016 10:35

Instrument :
BNA_F
ClientSampleId :
POST-EX-5-20160108

Tgt Ion:178 Resp: 432428

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.0
179	15.7	12.5	18.7

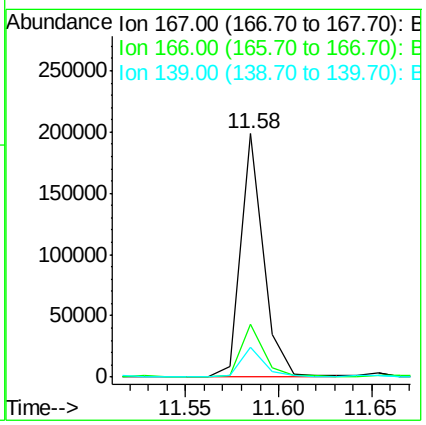


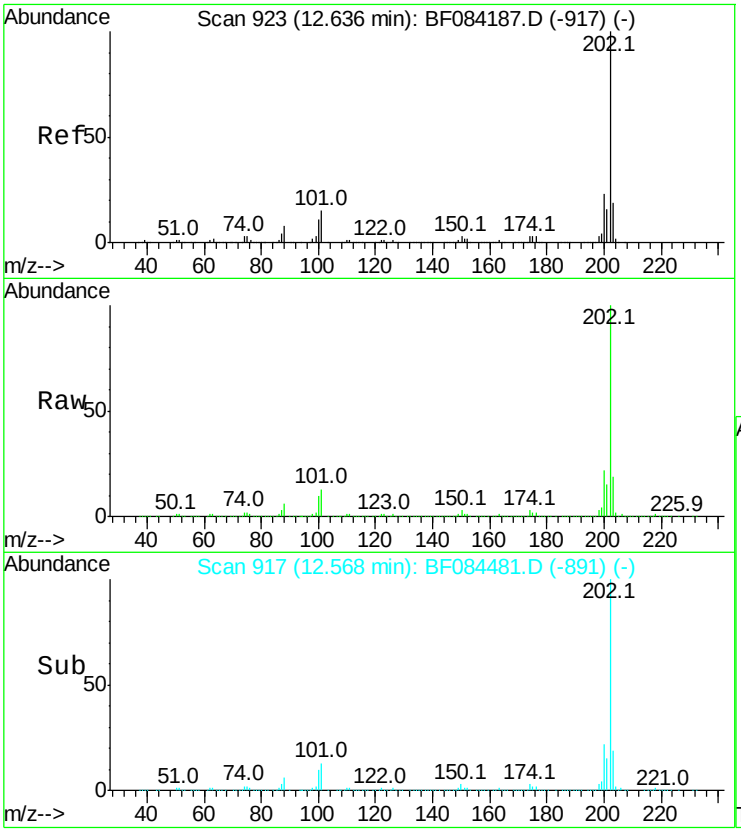


#72
Carbazole
Concen: 3.62 ng
RT: 11.58 min Scan# 831
Delta R.T. -0.01 min
Lab File: BF084481.D
Acq: 14 Jan 2016 10:35

Tgt Ion:167 Resp: 167979

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.6	26.4
139	12.3	11.8	17.8



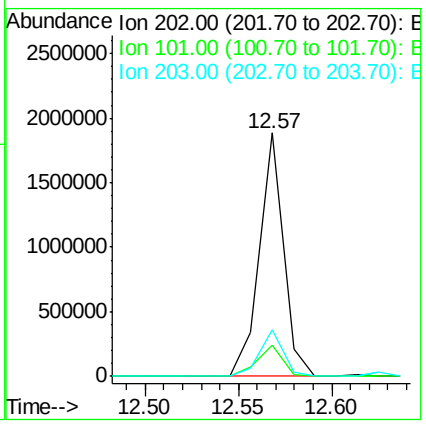


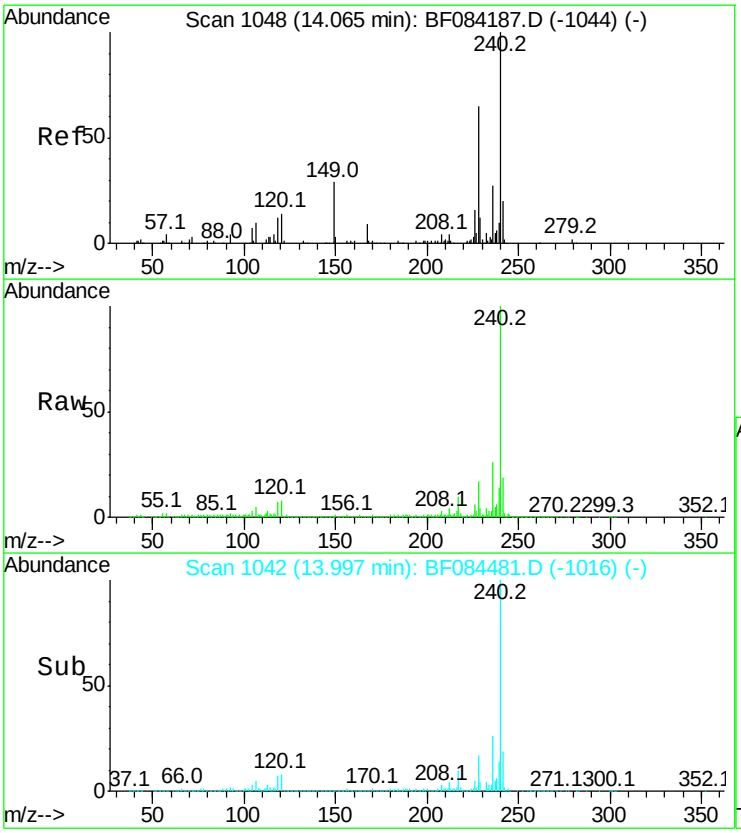
#74
Fluoranthene
Concen: 33.21 ng
RT: 12.57 min Scan# 917
Delta R.T. 0.00 min
Lab File: BF084481.D
Acq: 14 Jan 2016 10:35

Instrument :
BNA_F
ClientSampleId :
POST-EX-5-20160108

Tgt Ion:202 Resp: 1677467

Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	32.8
203	19.0	0.0	37.9

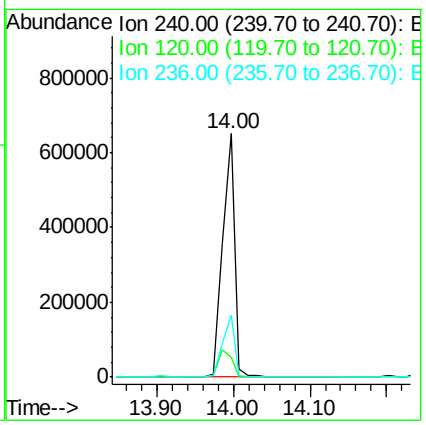


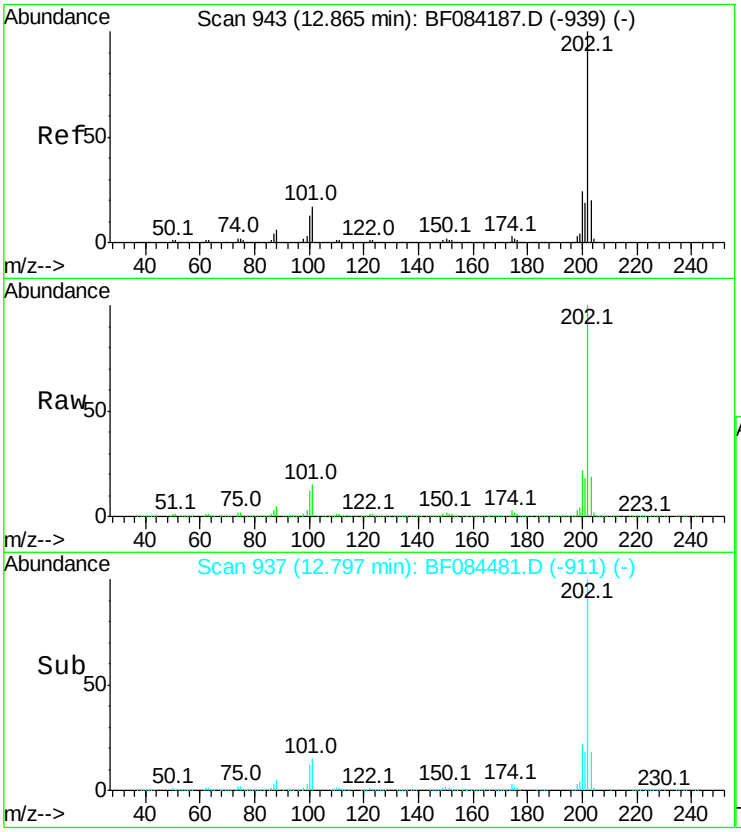


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.00 min Scan# 1042
Delta R.T. 0.00 min
Lab File: BF084481.D
Acq: 14 Jan 2016 10:35

Tgt Ion:240 Resp: 720477

Ion	Ratio	Lower	Upper
240	100		
120	8.0	9.5	14.3#
236	25.6	20.6	31.0



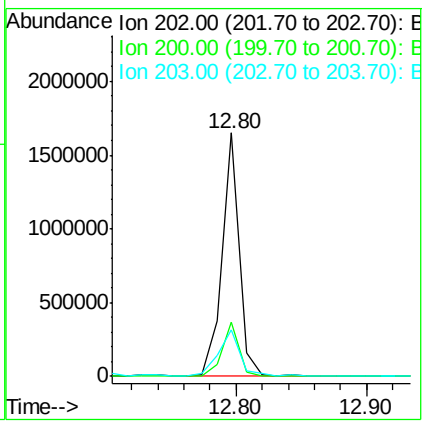


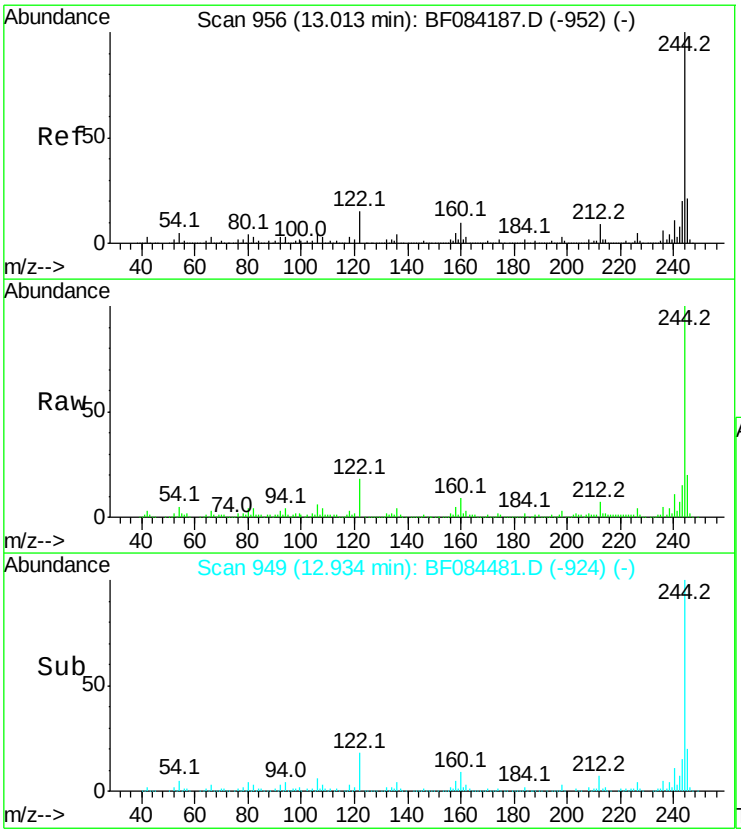
#77
Pyrene
Concen: 27.00 ng
RT: 12.80 min Scan# 937
Delta R.T. 0.00 min
Lab File: BF084481.D
Acq: 14 Jan 2016 10:35

Instrument :
BNA_F
ClientSampleId :
POST-EX-5-20160108

Tgt Ion:202 Resp: 1526728

Ion	Ratio	Lower	Upper
202	100		
200	22.0	17.2	25.8
203	18.9	14.3	21.5

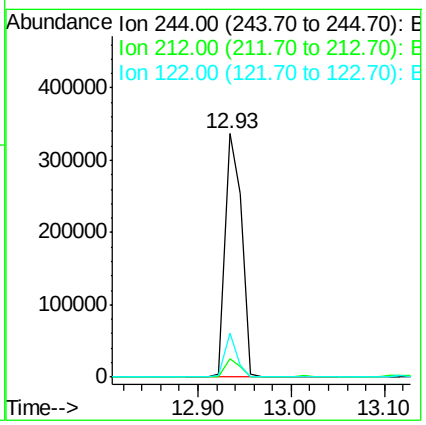


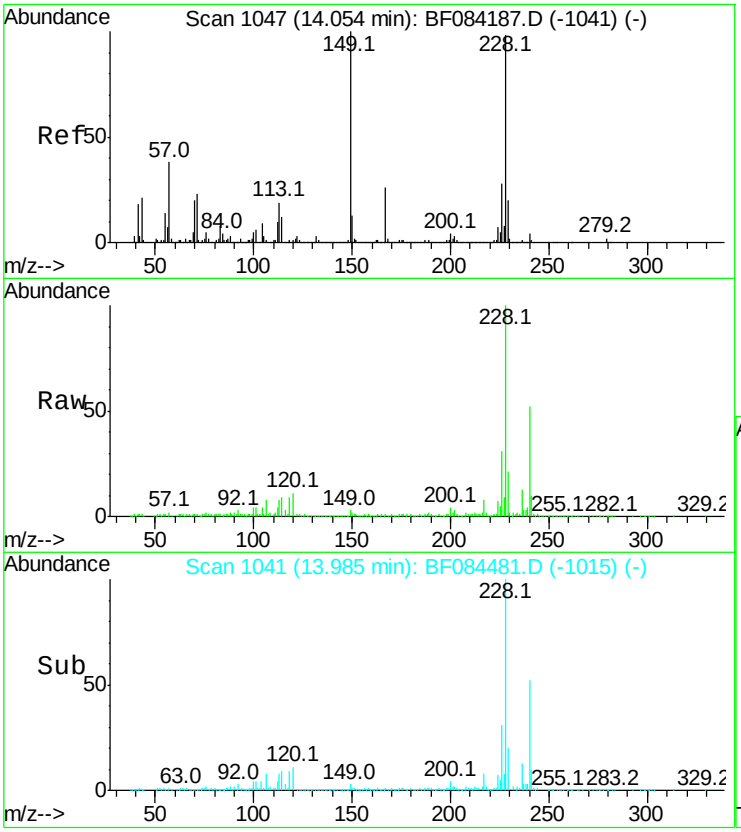


#78
Terphenyl-d14
Concen: 12.83 ng
RT: 12.93 min Scan# 949
Delta R.T. -0.01 min
Lab File: BF084481.D
Acq: 14 Jan 2016 10:35

Tgt Ion:244 Resp: 414180

Ion	Ratio	Lower	Upper
244	100		
212	7.5	5.7	8.5
122	18.1	7.4	11.0#



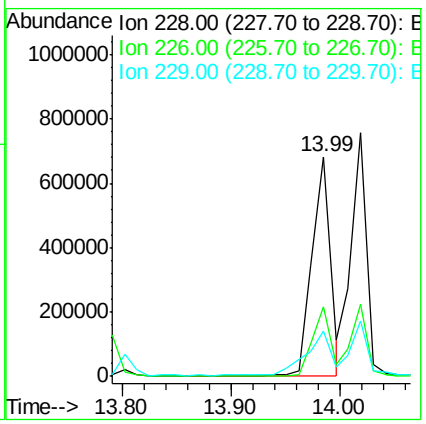


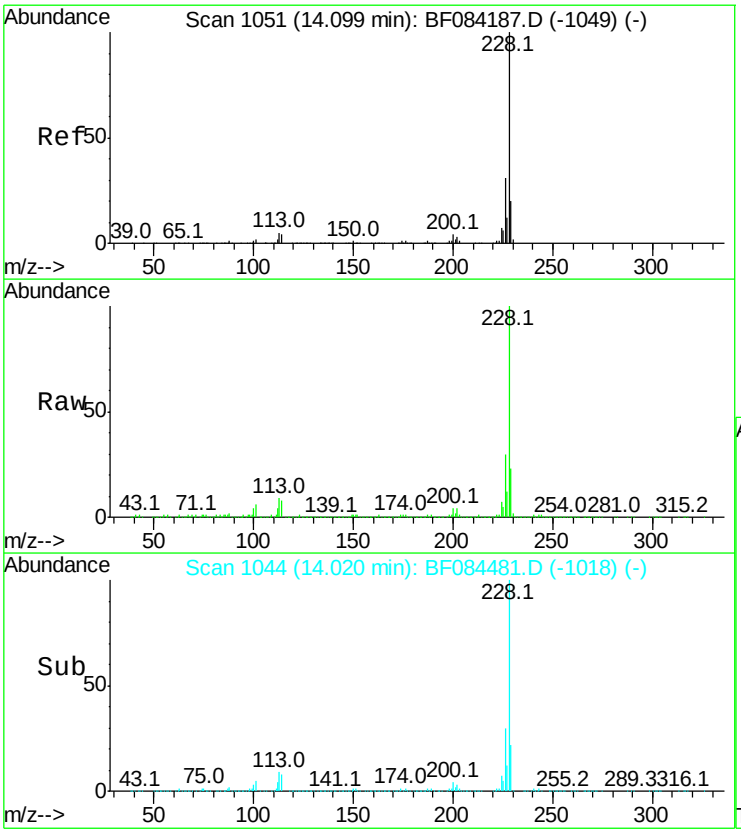
#80
Benzo(a)anthracene
Concen: 18.93 ng
RT: 13.99 min Scan# 1041
Delta R.T. 0.00 min
Lab File: BF084481.D
Acq: 14 Jan 2016 10:35

Instrument :
BNA_F
ClientSampleId :
POST-EX-5-20160108

Tgt Ion:228 Resp: 801033

Ion	Ratio	Lower	Upper
228	100		
226	31.4	21.8	32.6
229	20.8	15.8	23.8

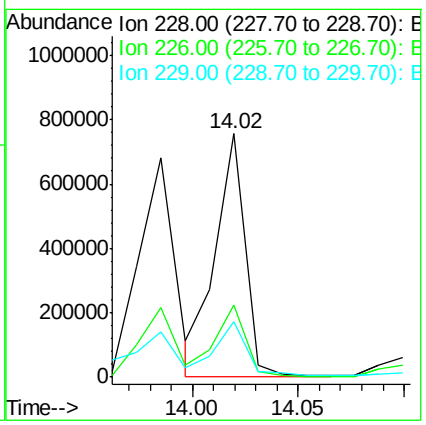


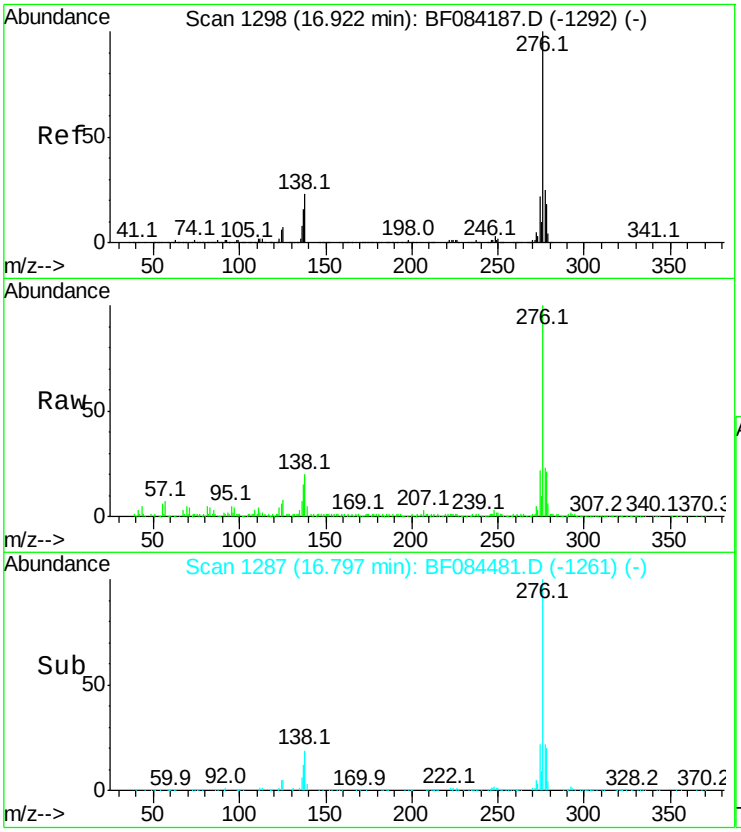


#82
Chrysene
Concen: 18.33 ng m
RT: 14.02 min Scan# 1044
Delta R.T. 0.00 min
Lab File: BF084481.D
Acq: 14 Jan 2016 10:35

Tgt Ion:228 Resp: 745096

Ion	Ratio	Lower	Upper
228	100		
226	29.8	24.3	36.5
229	22.6	16.1	24.1



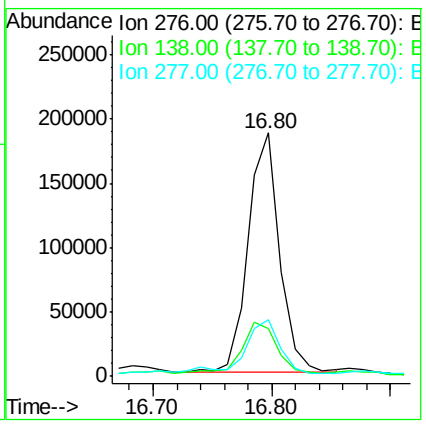


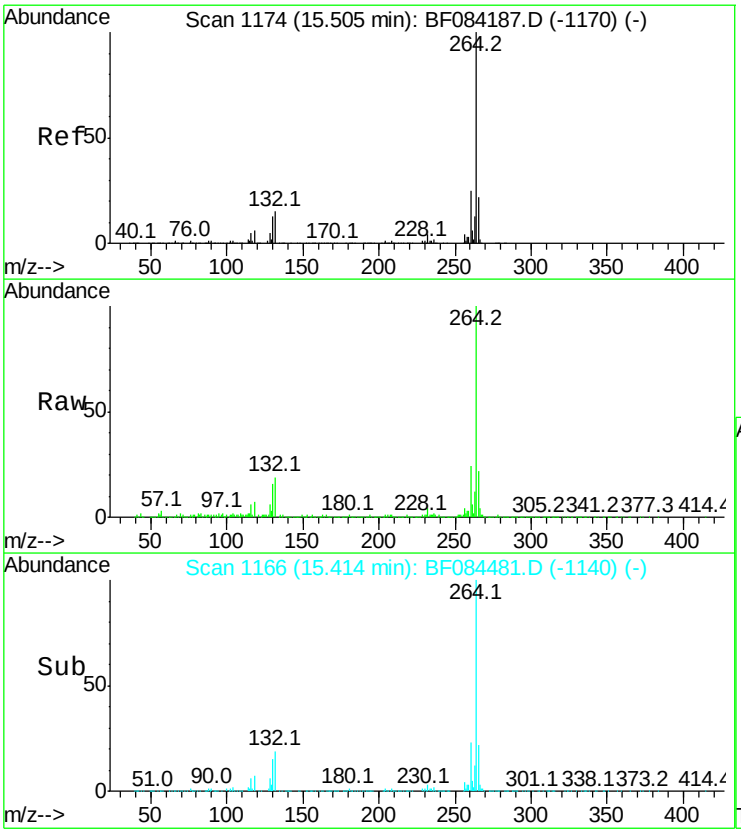
#85
Indeno(1,2,3-cd)pyrene
Concen: 10.70 ng
RT: 16.80 min Scan# 1287
Delta R.T. 0.00 min
Lab File: BF084481.D
Acq: 14 Jan 2016 10:35

Instrument :
BNA_F
ClientSampleId :
POST-EX-5-20160108

Tgt Ion:276 Resp: 344649

Ion	Ratio	Lower	Upper
276	100		
138	24.0	20.6	30.8
277	28.1	20.1	30.1

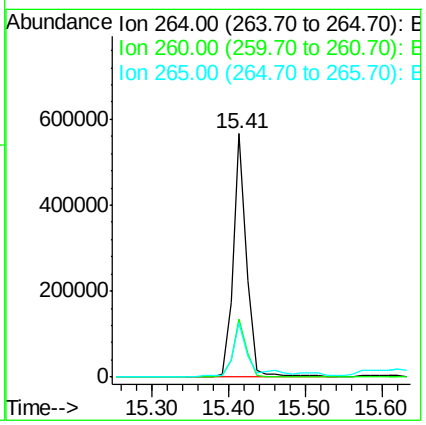


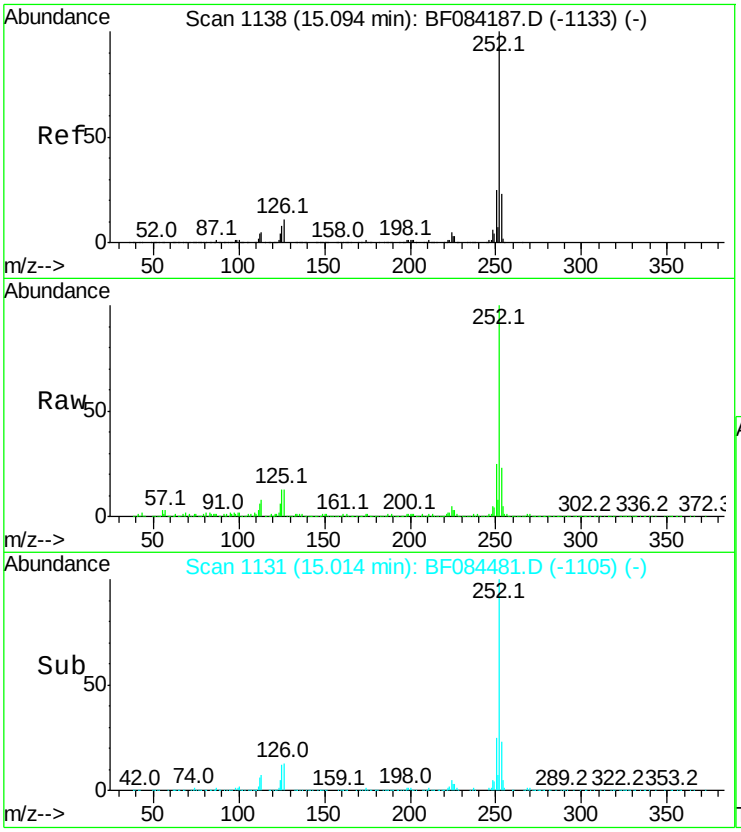


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.41 min Scan# 1166
Delta R.T. 0.00 min
Lab File: BF084481.D
Acq: 14 Jan 2016 10:35

Tgt Ion:264 Resp: 696702

Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.4	29.2
265	22.4	17.8	26.6



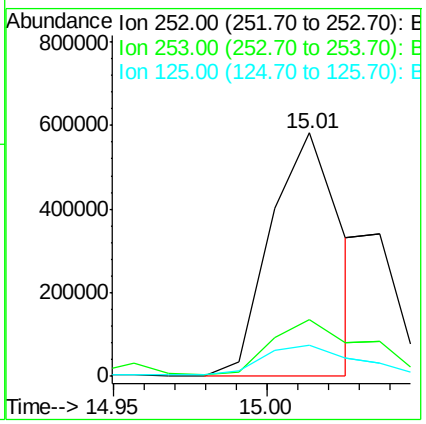


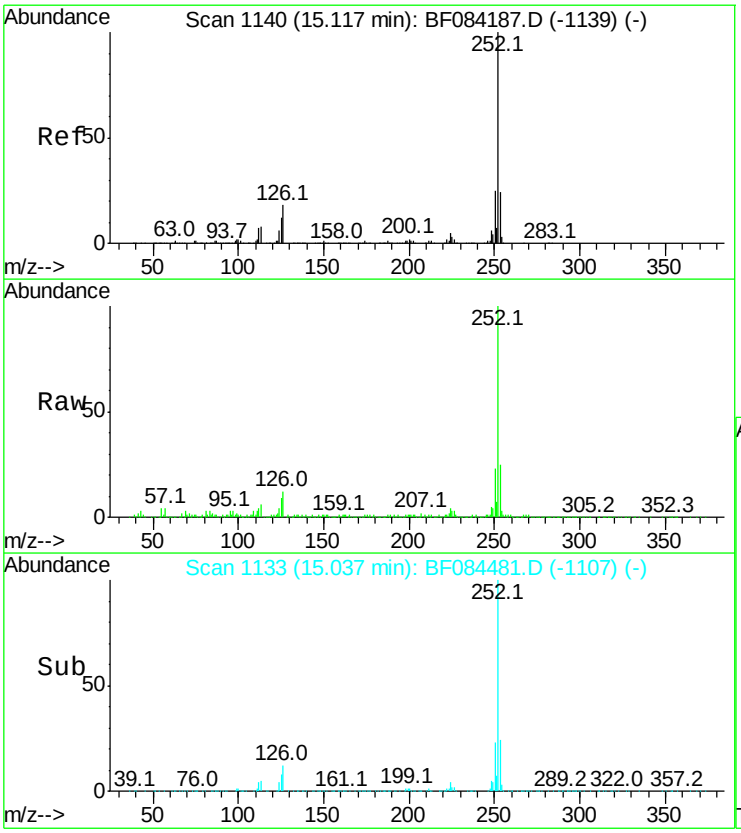
#87
Benzo(b)fluoranthene
Concen: 20.32 ng m
RT: 15.01 min Scan# 1131
Delta R.T. 0.00 min
Lab File: BF084481.D
Acq: 14 Jan 2016 10:35

Instrument :
BNA_F
ClientSampleId :
POST-EX-5-20160108

Tgt Ion:252 Resp: 925856

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.3	25.9
125	12.5	6.5	9.7#

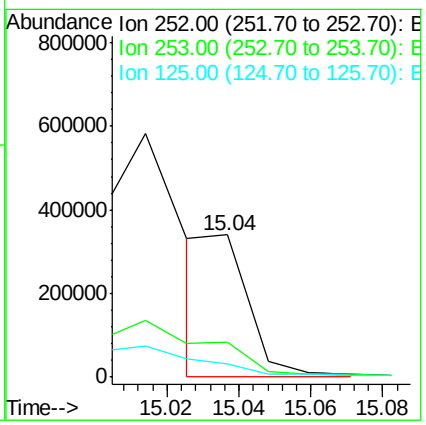


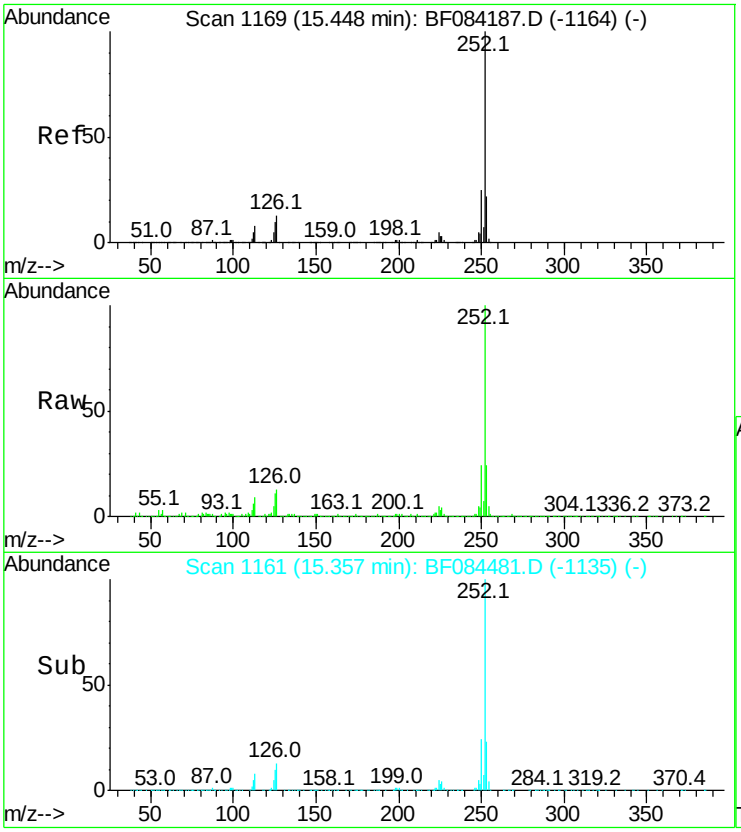


#88
Benzo(k)fluoranthene
Concen: 7.29 ng m
RT: 15.04 min Scan# 1133
Delta R.T. 0.00 min
Lab File: BF084481.D
Acq: 14 Jan 2016 10:35

Tgt Ion:252 Resp: 271549

Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.1	27.1
125	9.1	9.0	13.6



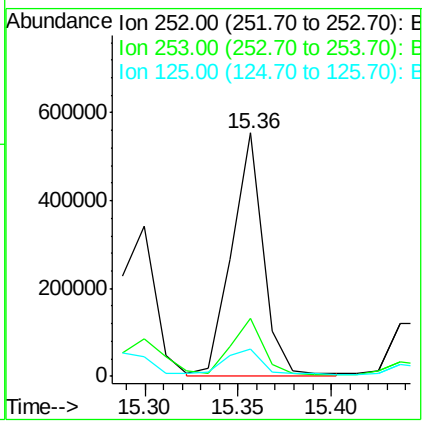


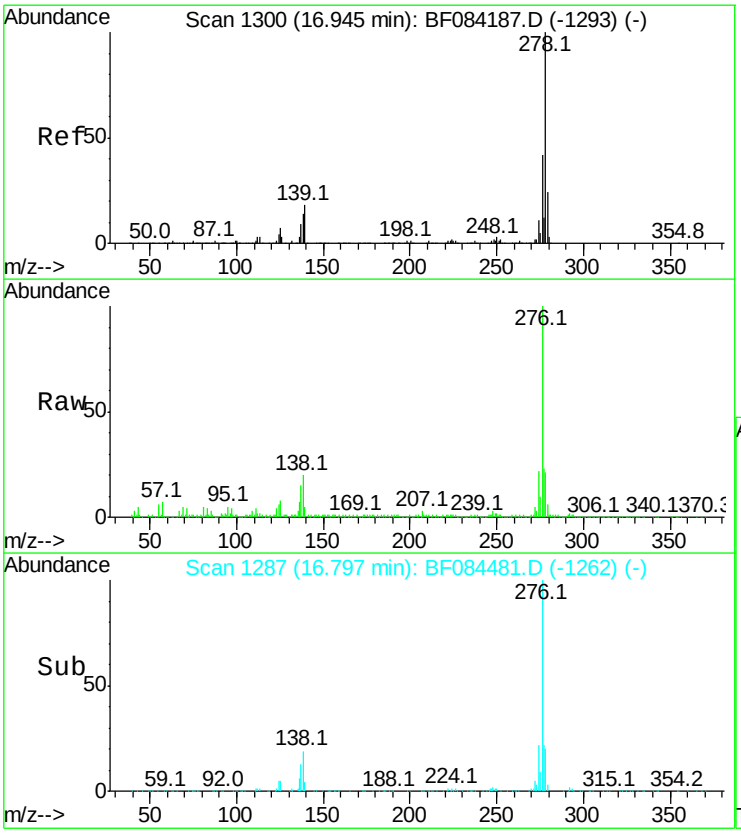
#89
Benzo(a)pyrene
Concen: 16.85 ng
RT: 15.36 min Scan# 1161
Delta R.T. 0.00 min
Lab File: BF084481.D
Acq: 14 Jan 2016 10:35

Instrument :
BNA_F
ClientSampleId :
POST-EX-5-20160108

Tgt Ion:252 Resp: 651314

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.3	25.9
125	11.0	7.0	10.4#

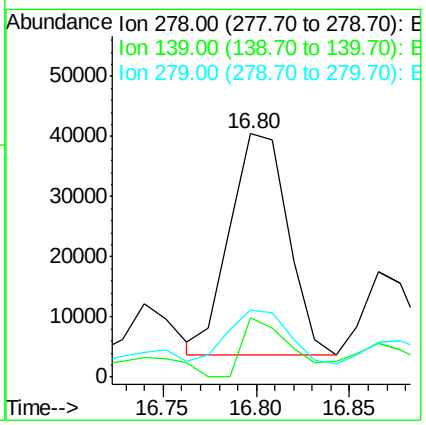


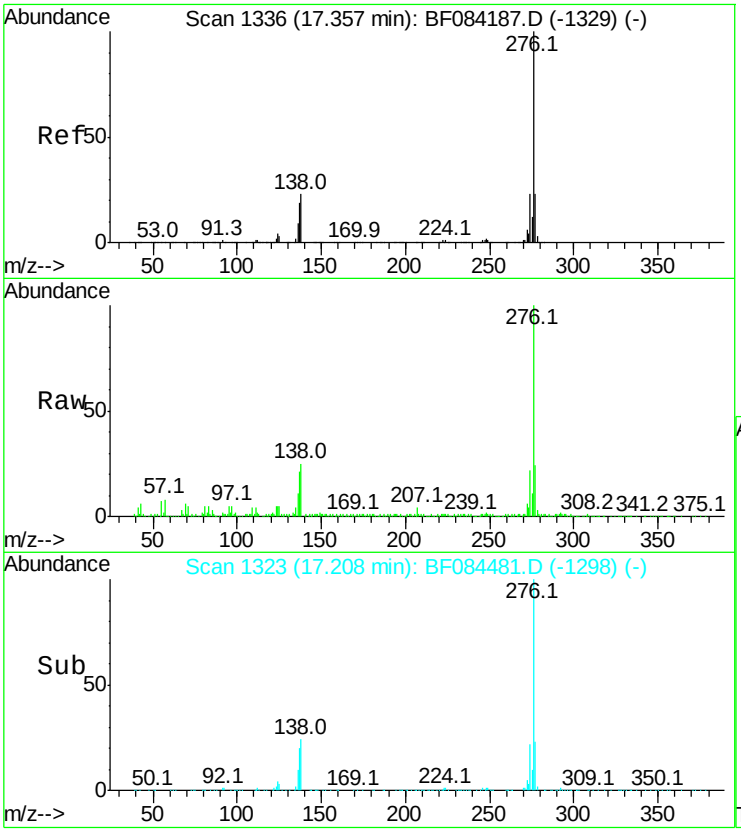


#90
Dibenzo(a,h)anthracene
Concen: 2.40 ng
RT: 16.80 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BF084481.D
Acq: 14 Jan 2016 10:35

Tgt Ion:278 Resp: 79966

Ion	Ratio	Lower	Upper
278	100		
139	24.4	15.0	22.4#
279	27.3	18.9	28.3





#91
Benzo(g,h,i)perylene
Concen: 9.48 ng
RT: 17.21 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF084481.D
Acq: 14 Jan 2016 10:35

Instrument :
BNA_F
ClientSampleId :
POST-EX-5-20160108

Tgt Ion:276 Resp: 326491

Ion	Ratio	Lower	Upper
276	100		
277	24.2	18.8	28.2
138	24.8	17.8	26.6