Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092915\
Data File : BF081902.D
Acq On : 30 Sep 2015 7:31
Operator : UM/IZ
Sample : G3754-02DL 2X
Misc :
ALS Vial : 27 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MW-2BDL

Quant Time: Sep 30 08:24:58 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092815.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Sep 28 18:10:42 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	108473	20.00	ng	-0.01
21) Naphthalene-d8	8.22	136	371772	20.00	ng	0.00
38) Acenaphthene-d10	9.97	164	284027	20.00	ng	-0.01
63) Phenanthrene-d10	11.45	188	450194	20.00	ng	-0.01
75) Chrysene-d12	14.09	240	418368	20.00	ng	-0.02
86) Perylene-d12	15.57	264	344686	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	185281	31.01	ng	-0.01
7) Phenol-d6	6.54	99	149670	19.91	ng	-0.02
23) Nitrobenzene-d5	7.49	82	327963	58.80	ng	-0.01
41) 2,4,6-Tribromophenol	10.75	330	156221	54.31	ng	-0.01
44) 2-Fluorobiphenyl	9.28	172	542102	27.75	ng	-0.02
78) Terphenyl-d14	13.04	244	736292	50.80	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.26	128	7095158	430.71	ng	# 91
37) 2-Methylnaphthalene	8.93	142	975965	86.79	ng	# 87
45) 1,1'-Biphenyl	9.38	154	367868	16.79	ng	95
48) Acenaphthylene	9.83	152	1644925	59.73	ng	94
51) Acenaphthene	10.00	154	291850	17.85	ng	88
57) Fluorene	10.51	166	440632	25.75	ng	93
70) Phenanthrene	11.47	178	883563	40.62	ng	96
71) Anthracene	11.53	178	171983	7.52	ng	99
74) Fluoranthene	12.66	202	109784	4.55	ng	90
77) Pyrene	12.89	202	135367	5.42	ng	98

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

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Misc :
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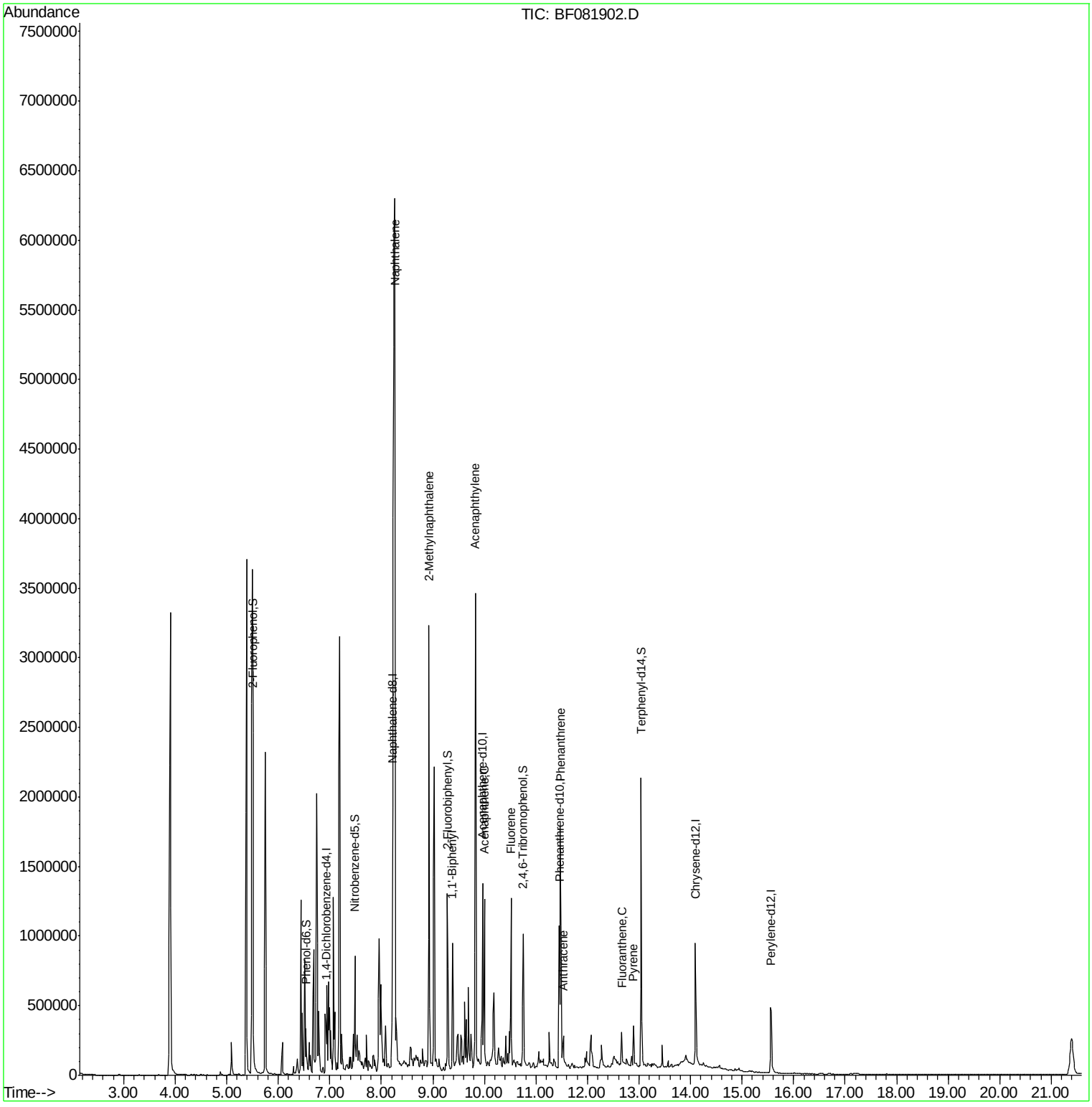
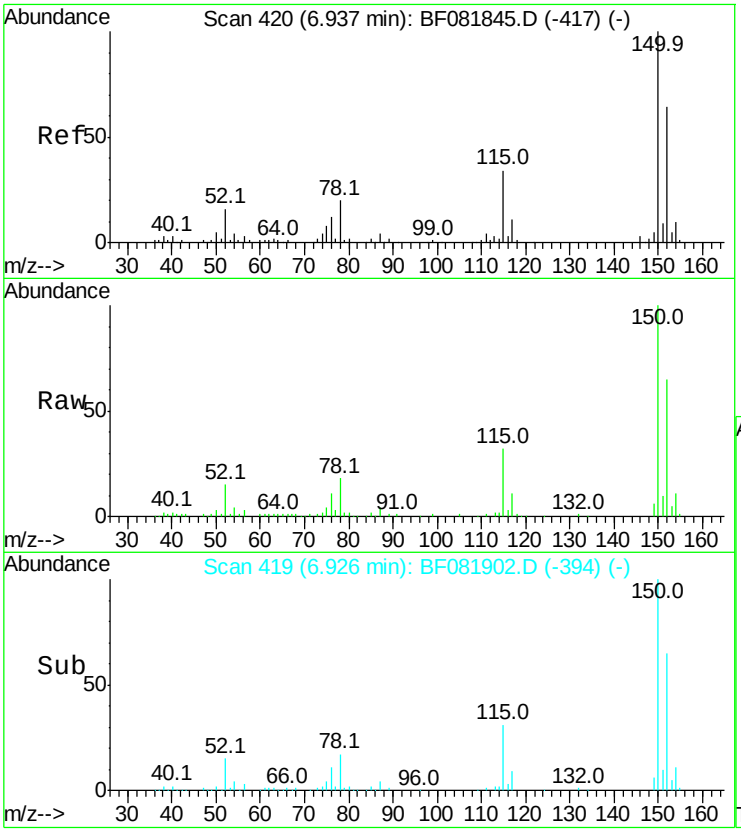


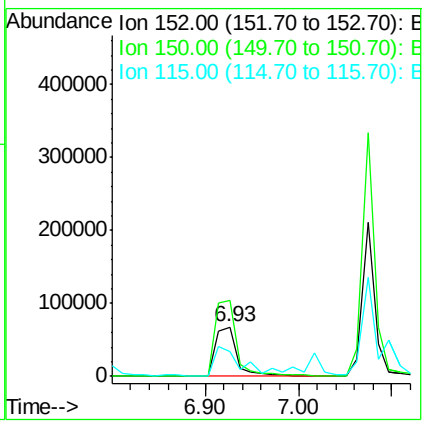


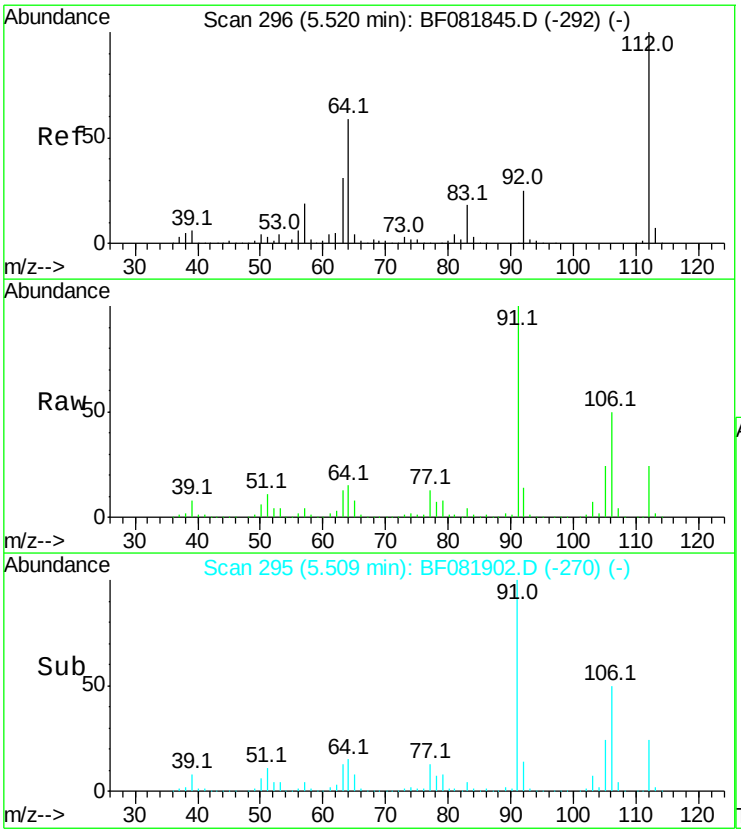
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.93 min Scan# 419
Delta R.T. -0.01 min
Lab File: BF081902.D
Acq: 30 Sep 2015 7:31

Instrument :
BNA_F
ClientSampleId :
MW-2BDL

Tgt Ion:152 Resp: 108473

Ion	Ratio	Lower	Upper
152	100		
150	153.1	124.7	187.1
115	49.4	39.0	58.4

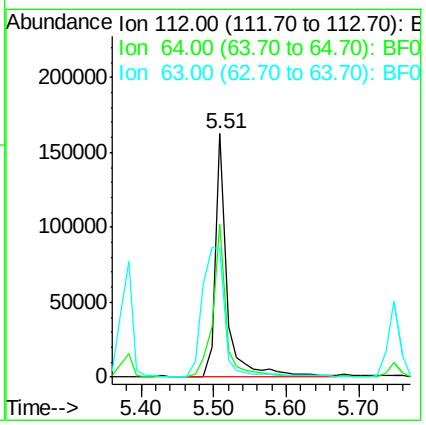


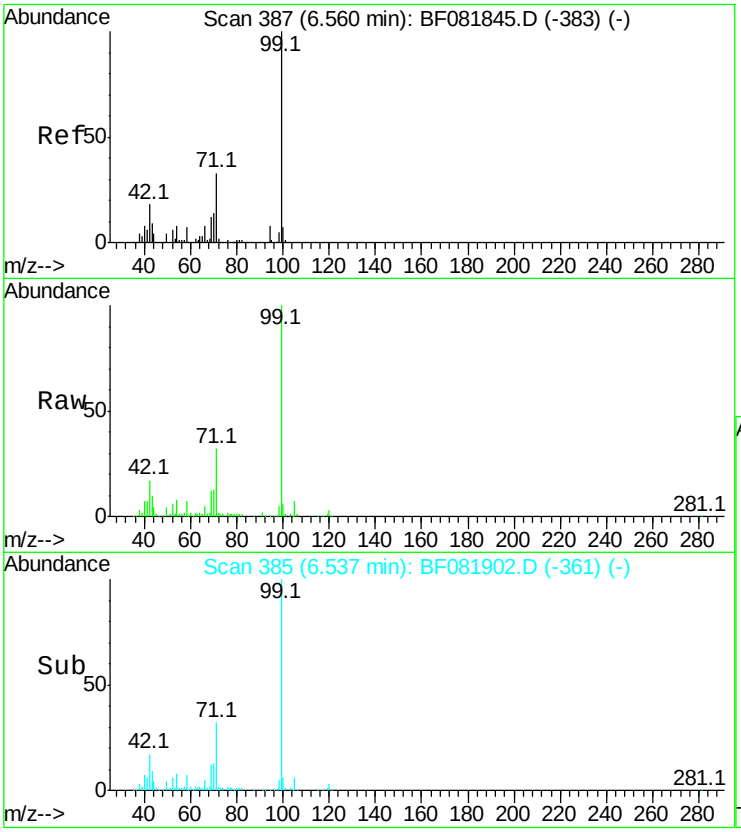


#5
2-Fluorophenol
Concen: 31.01 ng
RT: 5.51 min Scan# 295
Delta R.T. -0.01 min
Lab File: BF081902.D
Acq: 30 Sep 2015 7:31

Tgt Ion:112 Resp: 185281

Ion	Ratio	Lower	Upper
112	100		
64	62.8	39.7	59.5#
63	52.6	17.4	26.0#



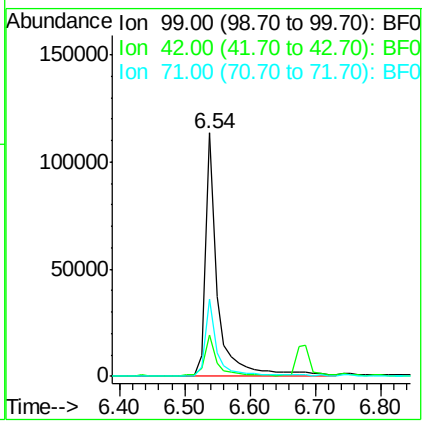


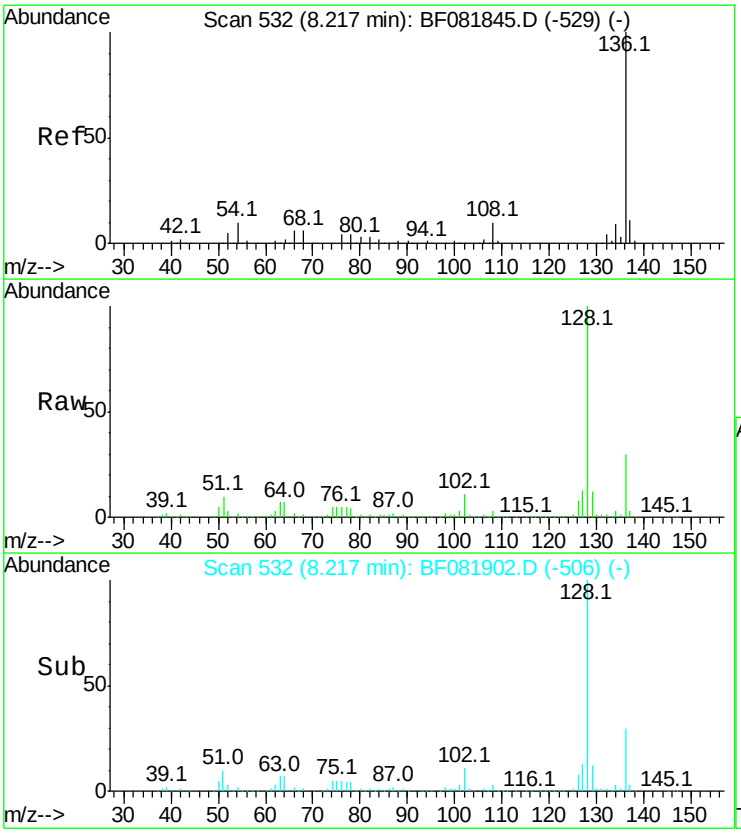
#7
Phenol-d6
Concen: 19.91 ng
RT: 6.54 min Scan# 385
Delta R.T. -0.02 min
Lab File: BF081902.D
Acq: 30 Sep 2015 7:31

Instrument :
BNA_F
ClientSampleId :
MW-2BDL

Tgt Ion: 99 Resp: 149670

Ion	Ratio	Lower	Upper
99	100		
42	17.1	13.7	20.5
71	31.6	14.2	21.2#

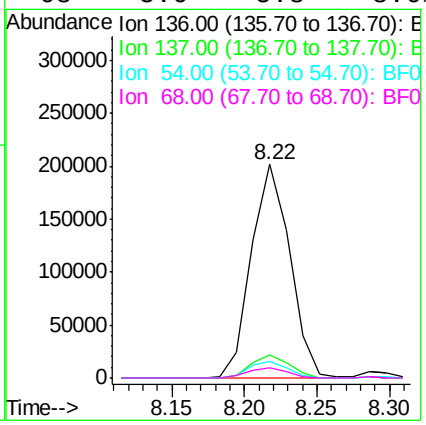


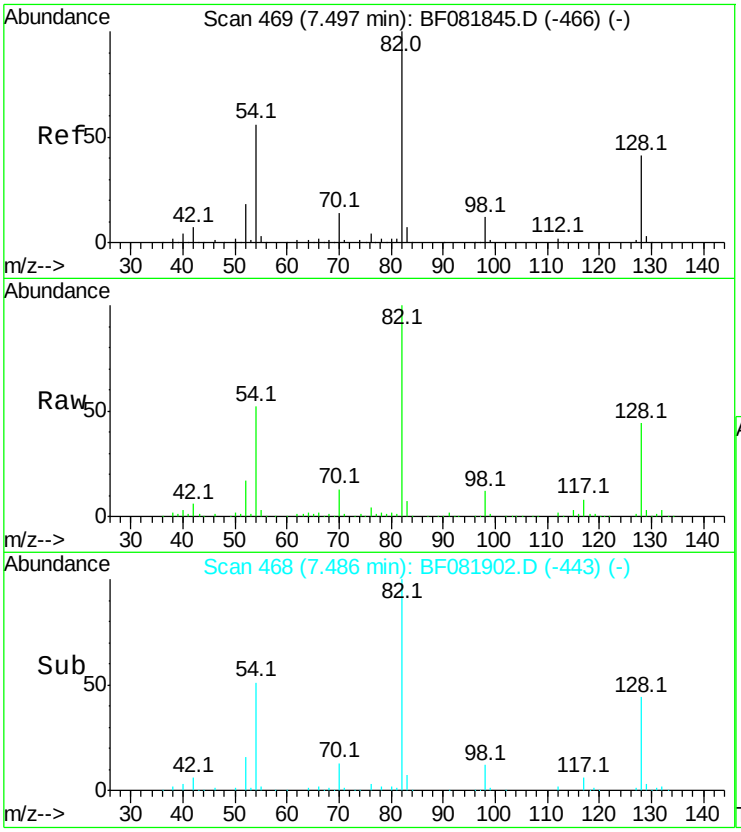


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.22 min Scan# 532
Delta R.T. 0.00 min
Lab File: BF081902.D
Acq: 30 Sep 2015 7:31

Tgt Ion:136 Resp: 371772

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.6
54	7.7	8.2	12.2#
68	5.0	5.8	8.6#



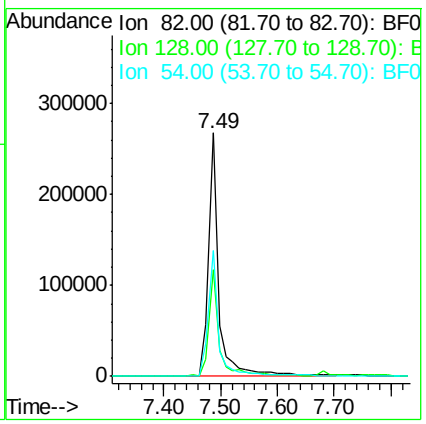


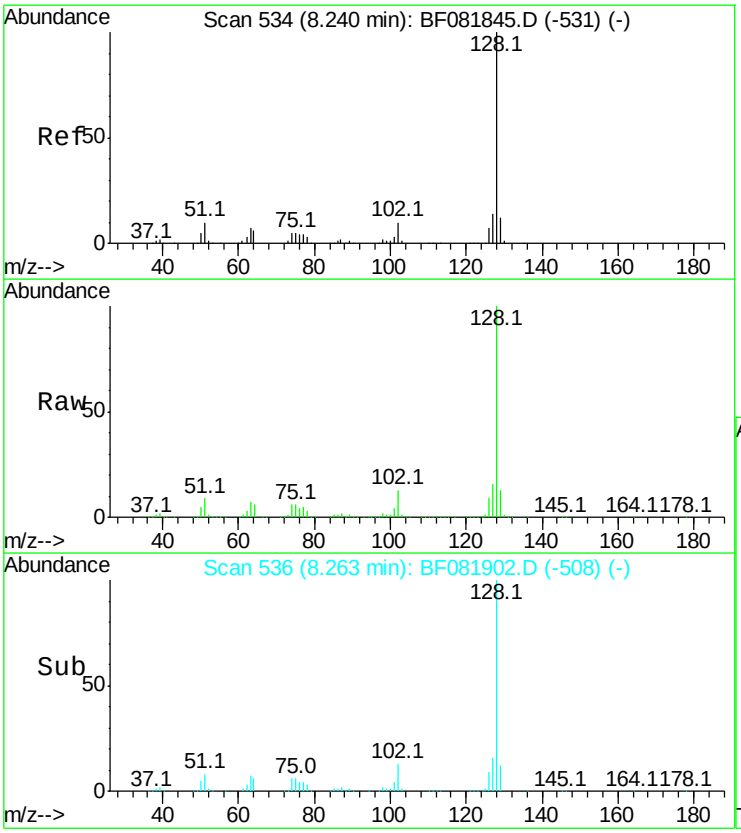
#23
Nitrobenzene-d5
Concen: 58.80 ng
RT: 7.49 min Scan# 468
Delta R.T. -0.01 min
Lab File: BF081902.D
Acq: 30 Sep 2015 7:31

Instrument :
BNA_F
ClientSampleId :
MW-2BDL

Tgt Ion: 82 Resp: 327963

Ion	Ratio	Lower	Upper
82	100		
128	43.9	51.0	76.6#
54	51.5	47.5	71.3

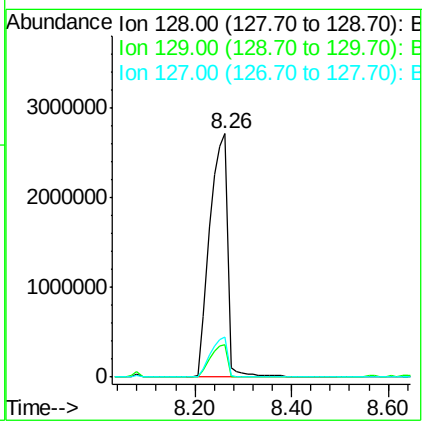


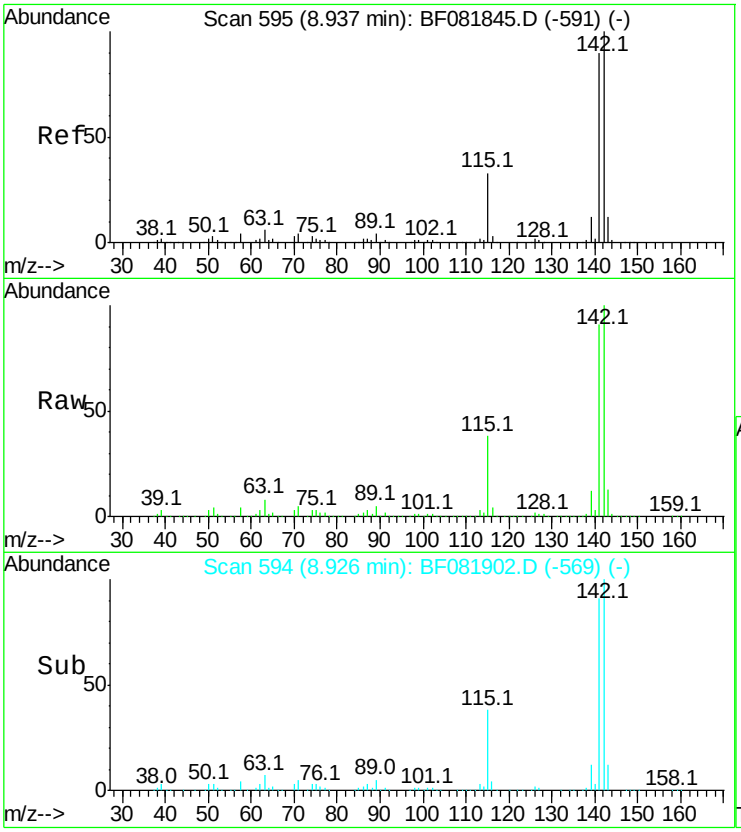


#31
Naphthalene
Concen: 430.71 ng
RT: 8.26 min Scan# 536
Delta R.T. 0.02 min
Lab File: BF081902.D
Acq: 30 Sep 2015 7:31

Tgt Ion:128 Resp: 7095158

Ion	Ratio	Lower	Upper
128	100		
129	13.3	8.4	12.6#
127	16.5	9.9	14.9#



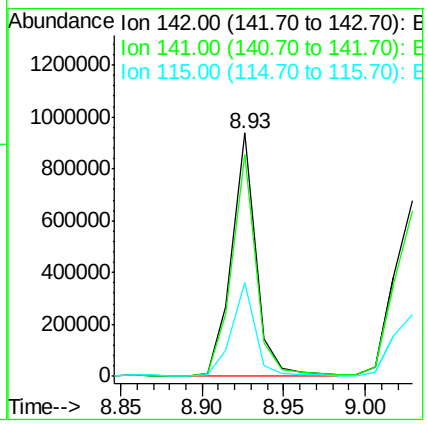


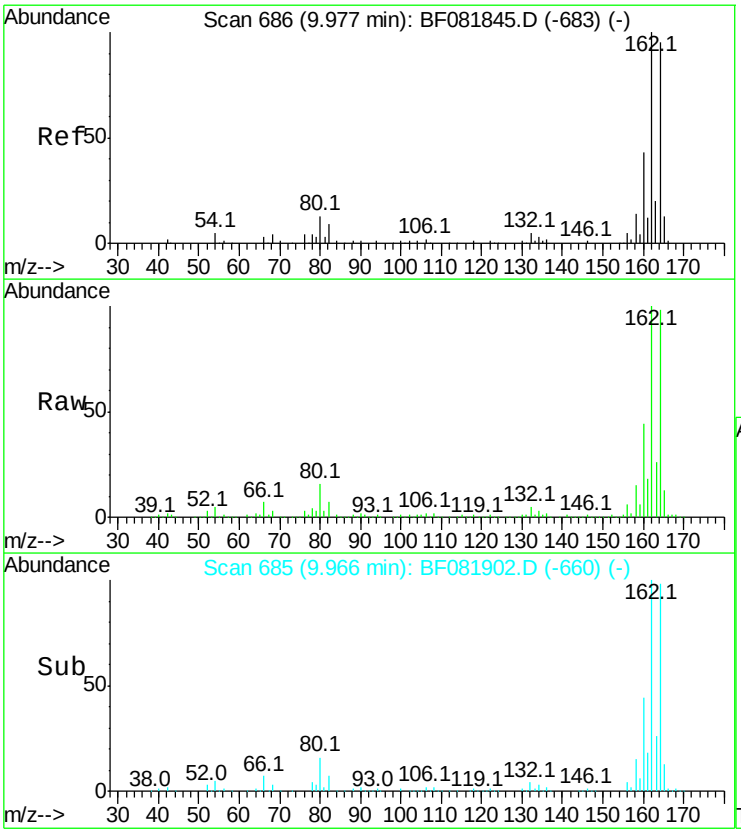
#37
2-Methylnaphthalene
Concen: 86.79 ng
RT: 8.93 min Scan# 594
Delta R.T. -0.01 min
Lab File: BF081902.D
Acq: 30 Sep 2015 7:31

Instrument :
BNA_F
ClientSampleId :
MW-2BDL

Tgt Ion:142 Resp: 975965

Ion	Ratio	Lower	Upper
142	100		
141	91.4	67.5	101.3
115	38.3	18.2	27.2#

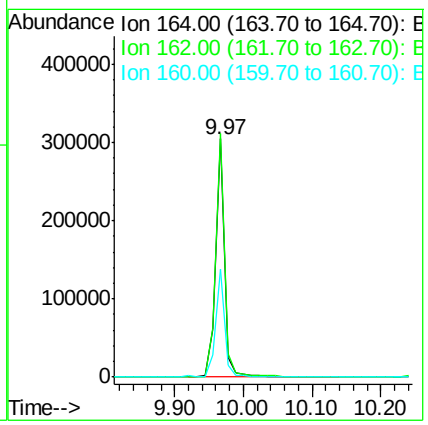


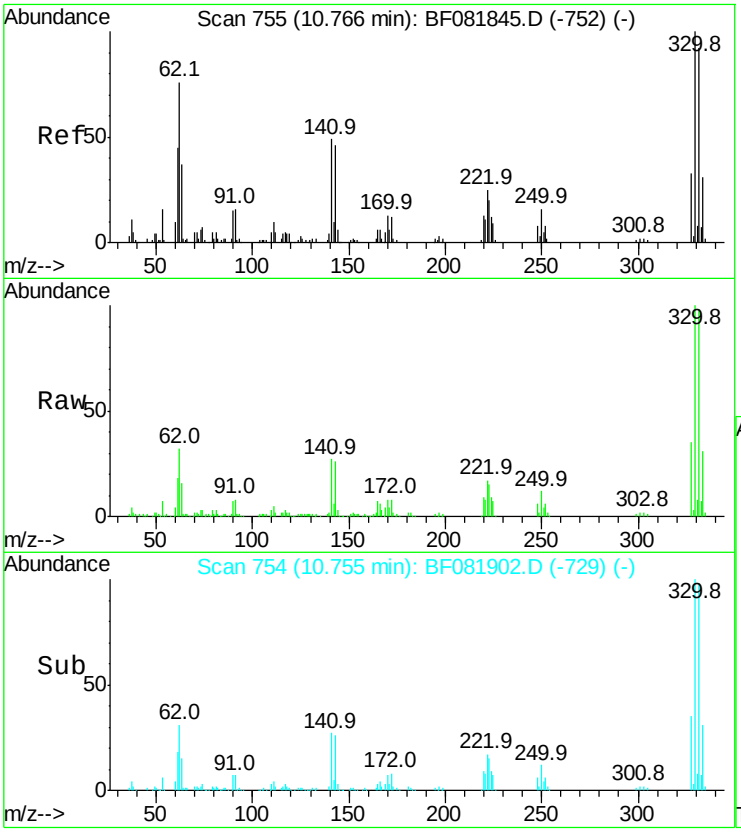


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.97 min Scan# 685
Delta R.T. -0.01 min
Lab File: BF081902.D
Acq: 30 Sep 2015 7:31

Tgt Ion:164 Resp: 284027

Ion	Ratio	Lower	Upper
164	100		
162	102.2	75.2	112.8
160	45.1	31.5	47.3



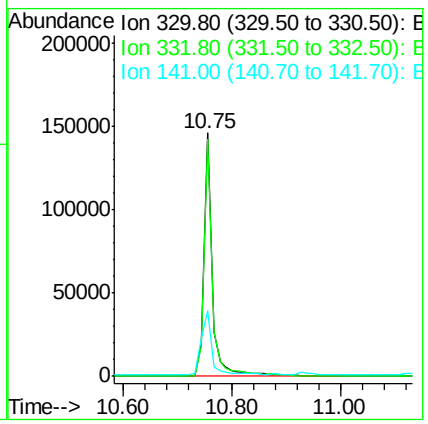


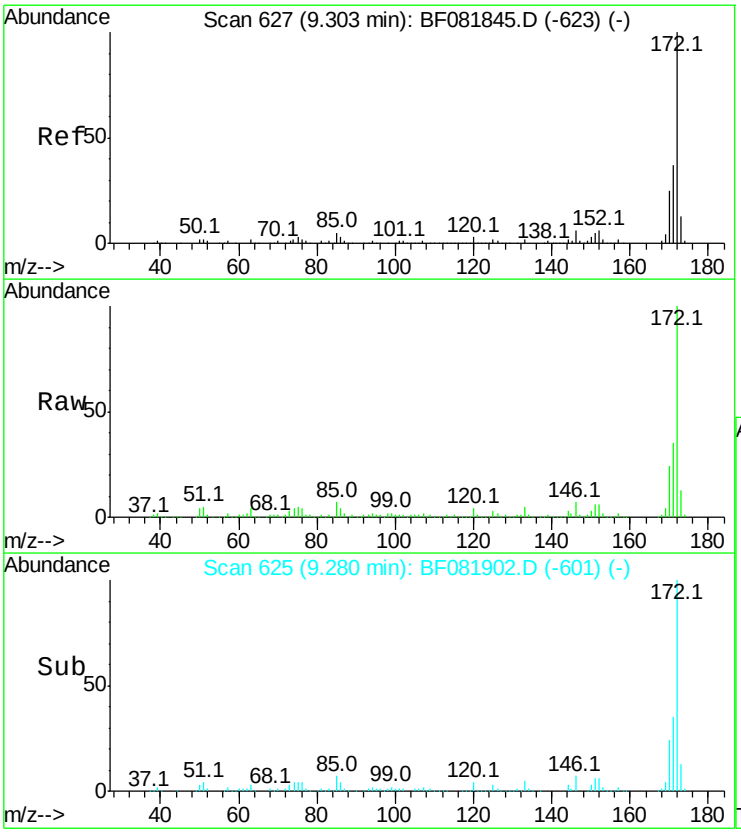
#41
2,4,6-Tribromophenol
Concen: 54.31 ng
RT: 10.75 min Scan# 754
Delta R.T. -0.01 min
Lab File: BF081902.D
Acq: 30 Sep 2015 7:31

Instrument :
BNA_F
ClientSampleId :
MW-2BDL

Tgt Ion:330 Resp: 156221

Ion	Ratio	Lower	Upper
330	100		
332	97.3	76.6	114.8
141	34.0	29.7	44.5

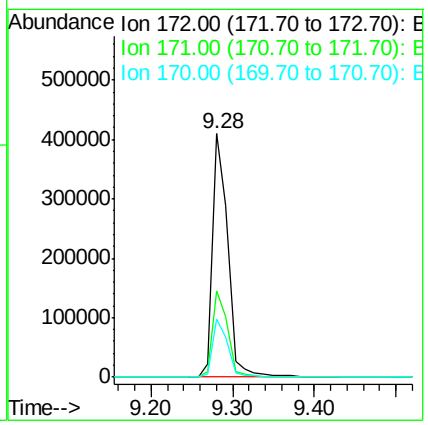


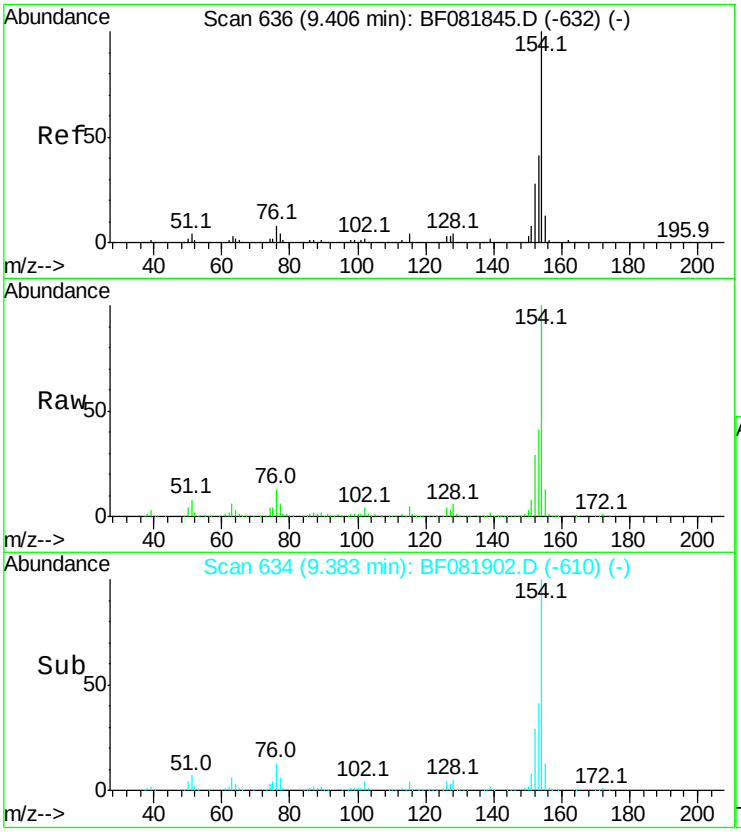


#44
2-Fluorobiphenyl
Concen: 27.75 ng
RT: 9.28 min Scan# 625
Delta R.T. -0.02 min
Lab File: BF081902.D
Acq: 30 Sep 2015 7:31

Tgt Ion:172 Resp: 542102

Ion	Ratio	Lower	Upper
172	100		
171	35.2	26.1	39.1
170	23.6	17.4	26.2



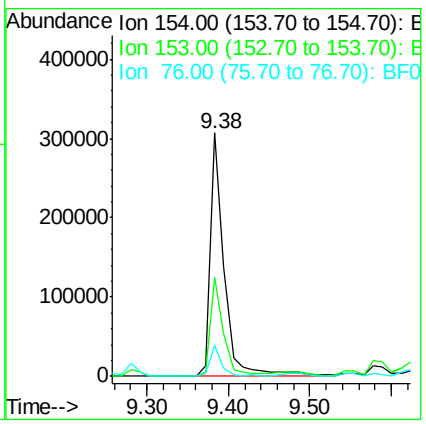


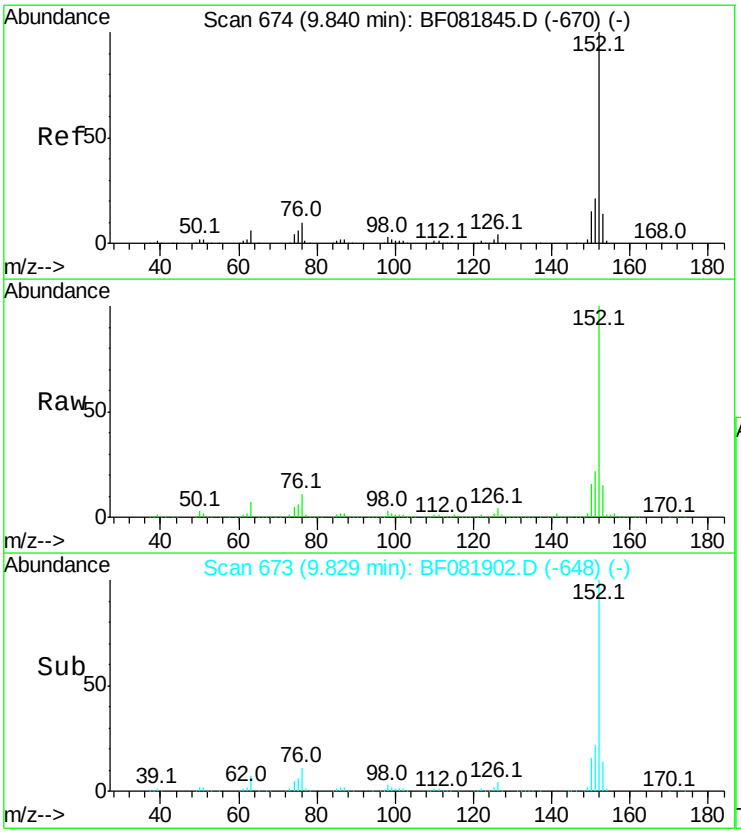
#45
1,1'-Biphenyl
Concen: 16.79 ng
RT: 9.38 min Scan# 634
Delta R.T. -0.02 min
Lab File: BF081902.D
Acq: 30 Sep 2015 7:31

Instrument :
BNA_F
ClientSampleId :
MW-2BDL

Tgt Ion:154 Resp: 367868

Ion	Ratio	Lower	Upper
154	100		
153	40.8	17.1	57.1
76	12.7	0.0	31.6

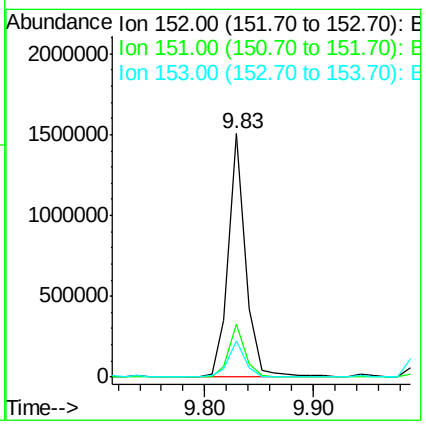


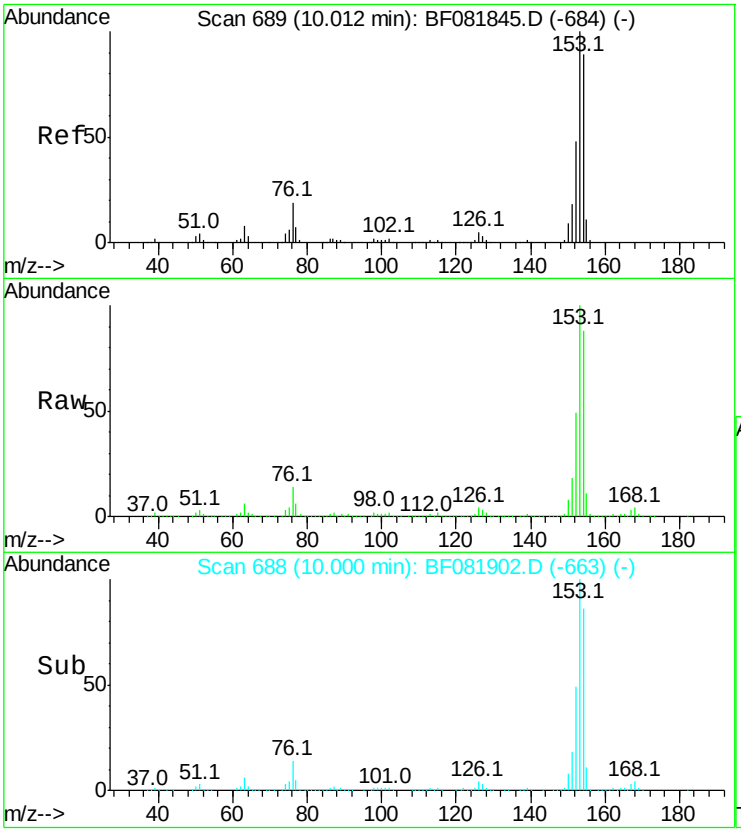


#48
Acenaphthylene
Concen: 59.73 ng
RT: 9.83 min Scan# 673
Delta R.T. -0.01 min
Lab File: BF081902.D
Acq: 30 Sep 2015 7:31

Tgt Ion:152 Resp: 1644925

Ion	Ratio	Lower	Upper
152	100		
151	21.7	14.6	22.0
153	14.8	10.3	15.5



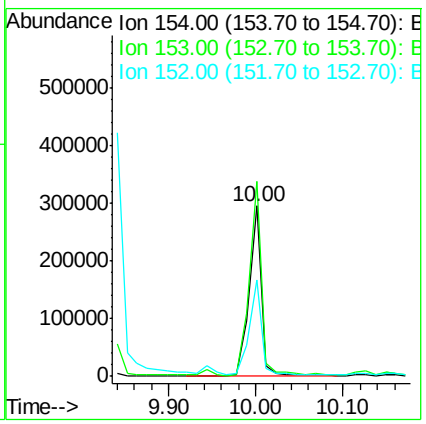


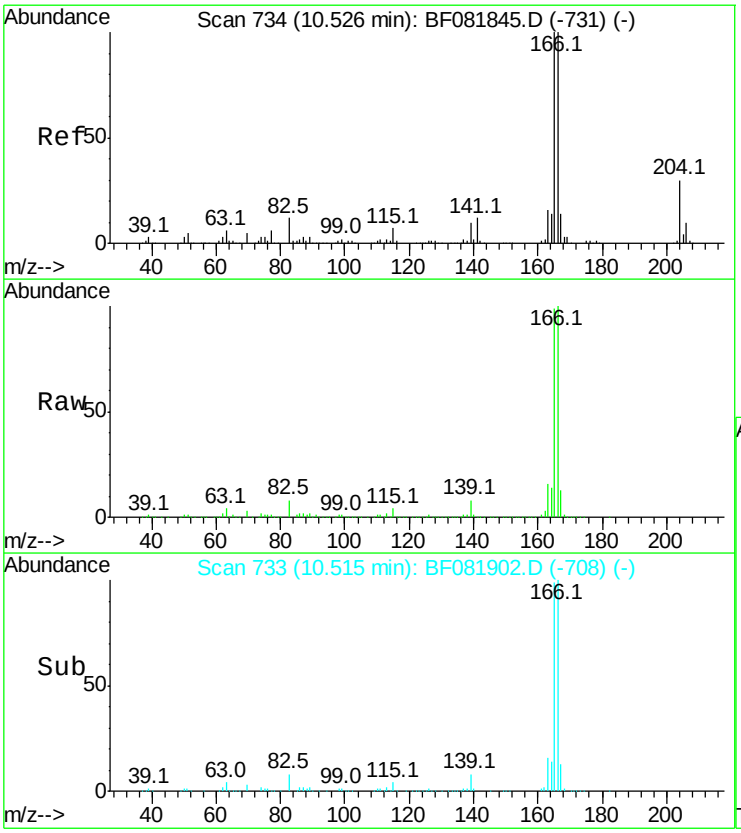
#51
Acenaphthene
Concen: 17.85 ng
RT: 10.00 min Scan# 688
Delta R.T. -0.01 min
Lab File: BF081902.D
Acq: 30 Sep 2015 7:31

Instrument :
BNA_F
ClientSampleId :
MW-2BDL

Tgt Ion:154 Resp: 291850

Ion	Ratio	Lower	Upper
154	100		
153	114.1	82.1	123.1
152	56.2	37.9	56.9

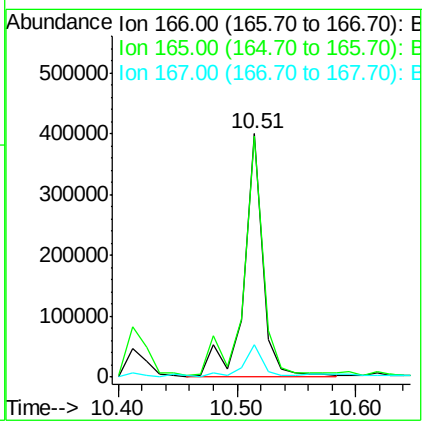


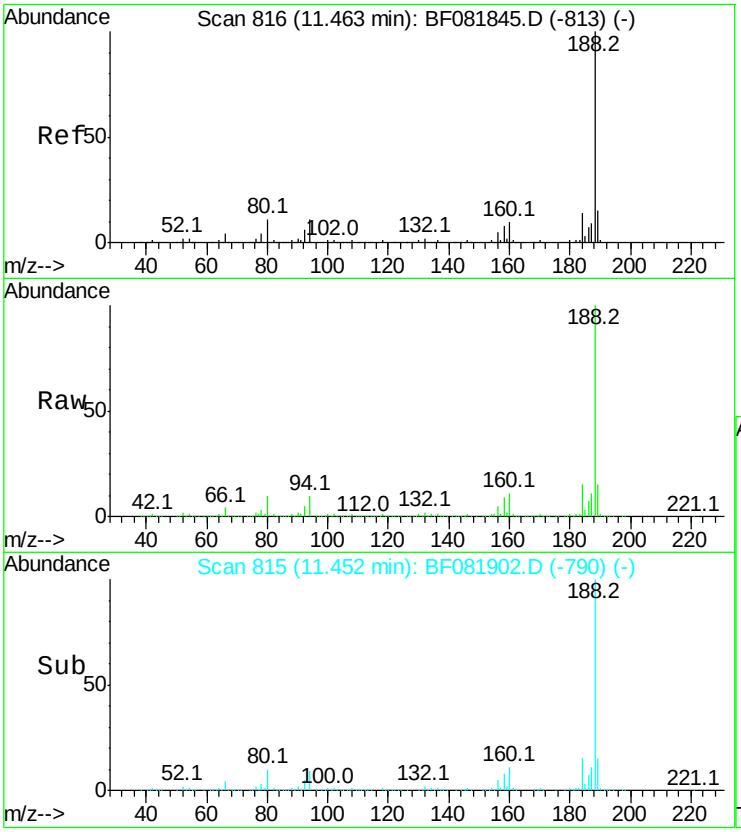


#57
Fluorene
Concen: 25.75 ng
RT: 10.51 min Scan# 733
Delta R.T. -0.01 min
Lab File: BF081902.D
Acq: 30 Sep 2015 7:31

Tgt Ion:166 Resp: 440632

Ion	Ratio	Lower	Upper
166	100		
165	98.8	72.6	109.0
167	13.3	10.6	16.0



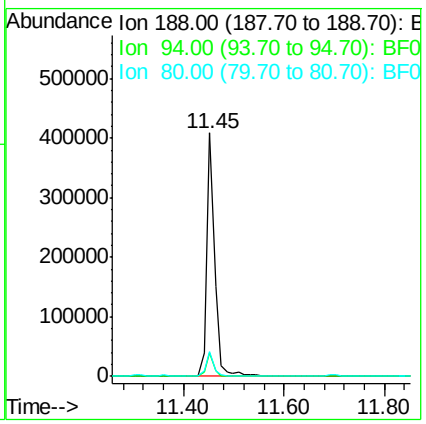


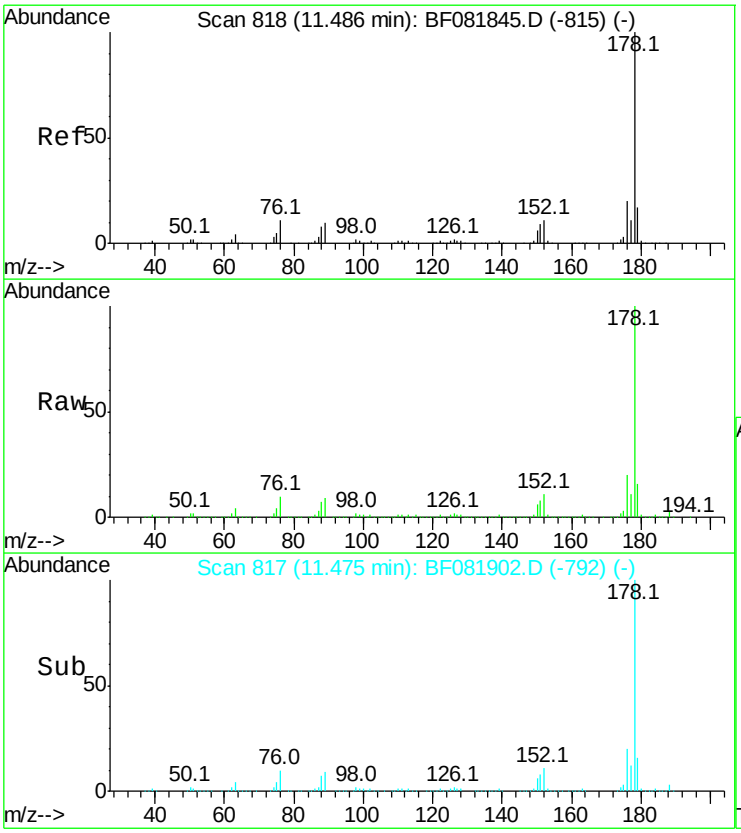
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.45 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF081902.D
Acq: 30 Sep 2015 7:31

Instrument :
BNA_F
ClientSampleId :
MW-2BDL

Tgt Ion:188 Resp: 450194

Ion	Ratio	Lower	Upper
188	100		
94	9.6	11.1	16.7#
80	10.2	11.0	16.4#

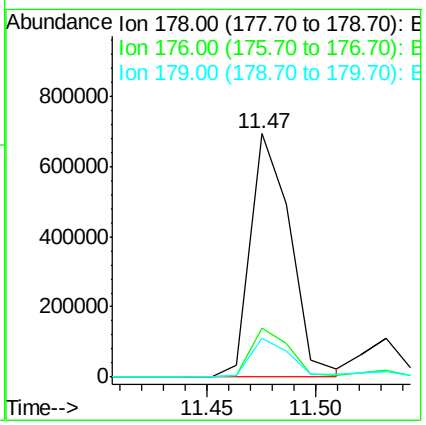


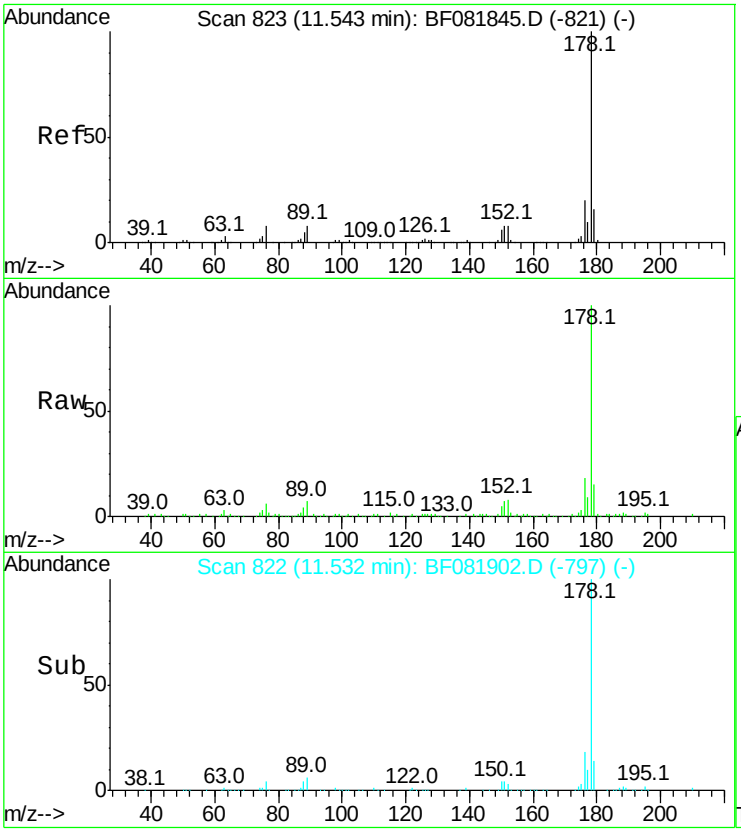


#70
Phenanthrene
Concen: 40.62 ng
RT: 11.47 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF081902.D
Acq: 30 Sep 2015 7:31

Tgt Ion:178 Resp: 883563

Ion	Ratio	Lower	Upper
178	100		
176	19.9	13.8	20.8
179	15.9	12.2	18.2



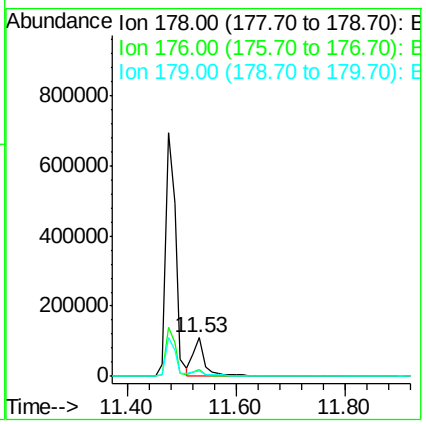


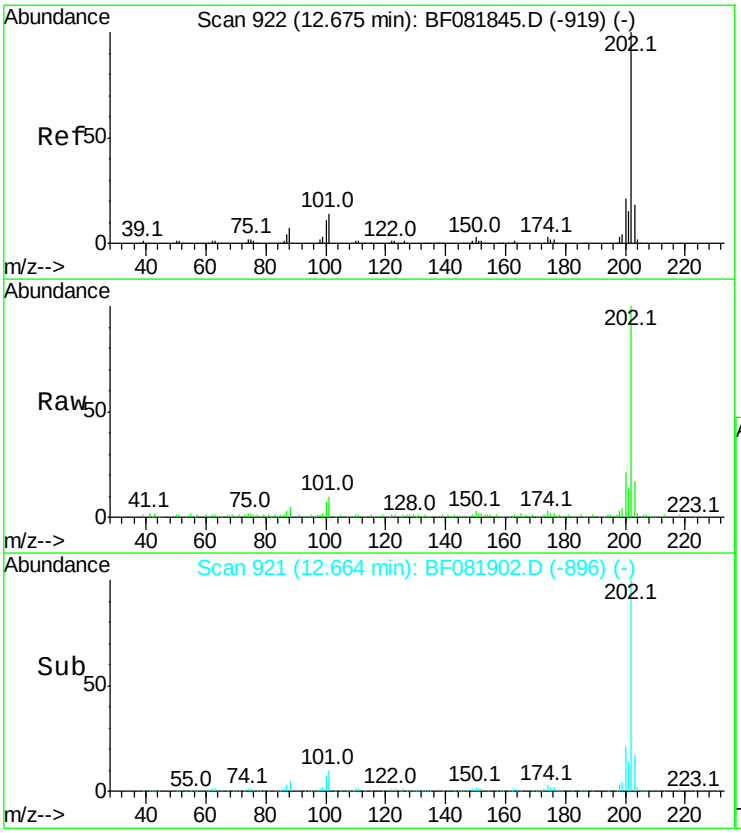
#71
Anthracene
Concen: 7.52 ng
RT: 11.53 min Scan# 822
Delta R.T. -0.01 min
Lab File: BF081902.D
Acq: 30 Sep 2015 7:31

Instrument :
BNA_F
ClientSampleId :
MW-2BDL

Tgt Ion:178 Resp: 171983

Ion	Ratio	Lower	Upper
178	100		
176	18.1	14.1	21.1
179	15.2	12.2	18.2

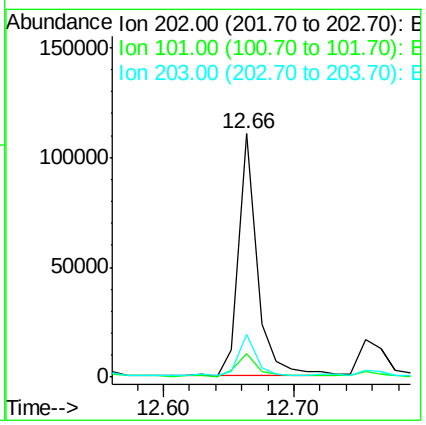


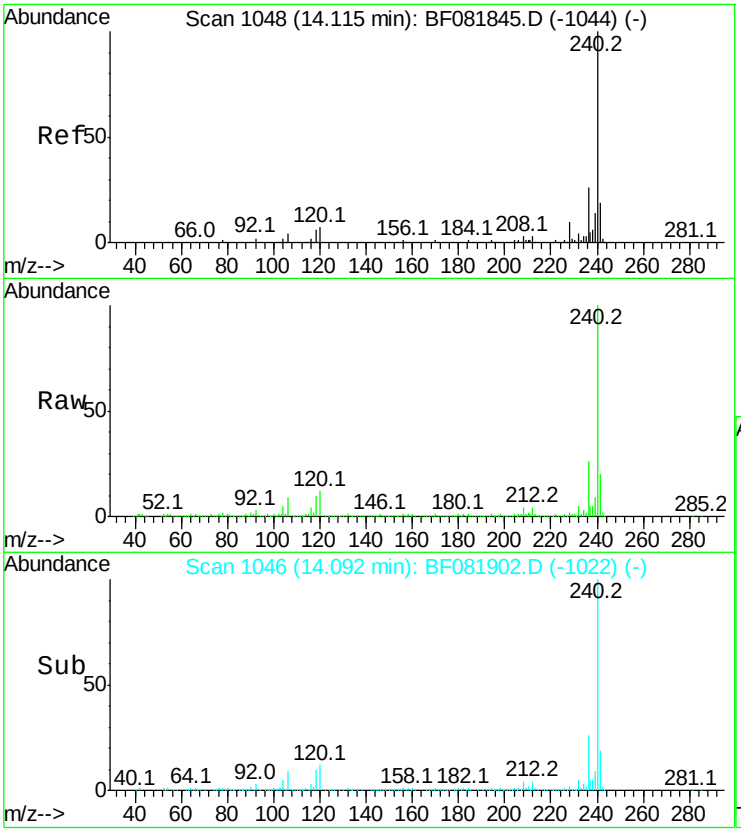


#74
Fluoranthene
Concen: 4.55 ng
RT: 12.66 min Scan# 921
Delta R.T. -0.01 min
Lab File: BF081902.D
Acq: 30 Sep 2015 7:31

Tgt Ion:202 Resp: 109784

Ion	Ratio	Lower	Upper
202	100		
101	9.6	0.0	38.3
203	17.3	0.0	37.3



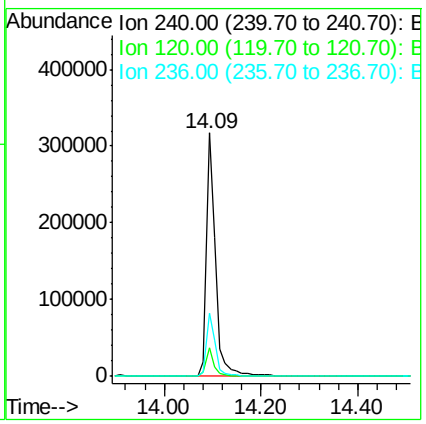


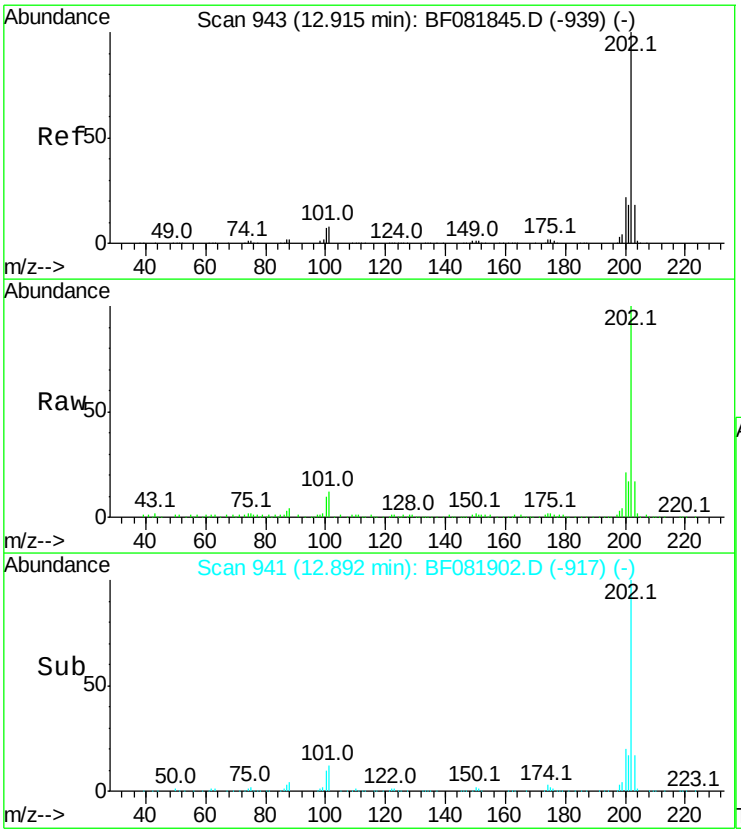
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.09 min Scan# 1046
Delta R.T. -0.02 min
Lab File: BF081902.D
Acq: 30 Sep 2015 7:31

Instrument :
BNA_F
ClientSampleId :
MW-2BDL

Tgt Ion:240 Resp: 418368

Ion	Ratio	Lower	Upper
240	100		
120	11.9	16.2	24.2#
236	25.8	18.4	27.6

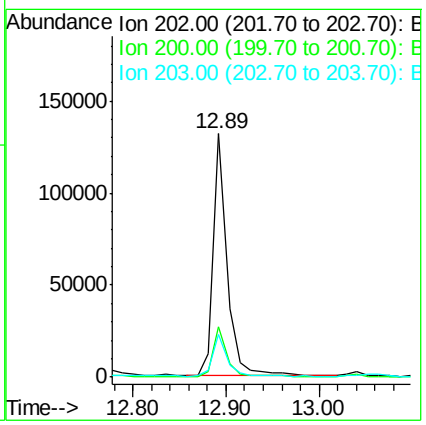


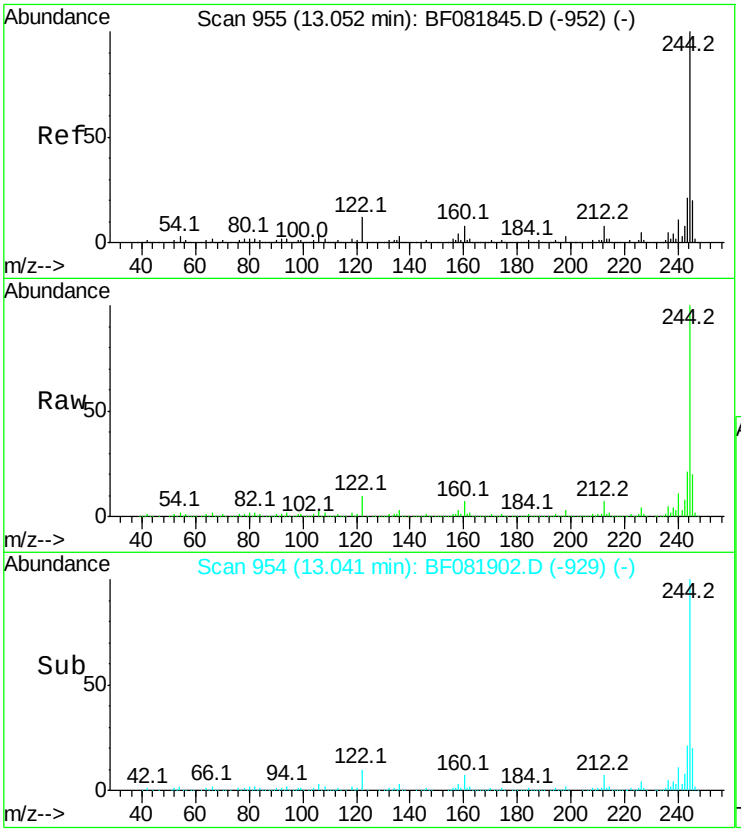


#77
Pyrene
Concen: 5.42 ng
RT: 12.89 min Scan# 941
Delta R.T. -0.02 min
Lab File: BF081902.D
Acq: 30 Sep 2015 7:31

Tgt Ion:202 Resp: 135367

Ion	Ratio	Lower	Upper
202	100		
200	20.5	15.0	22.4
203	17.4	14.1	21.1



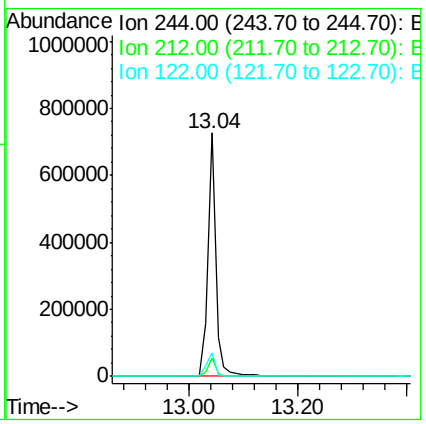


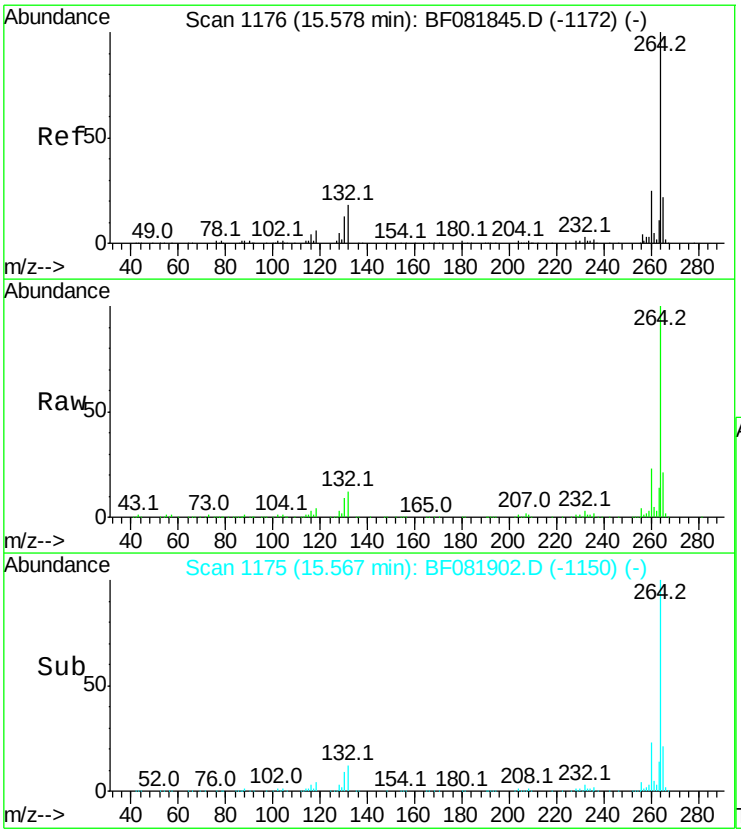
#78
Terphenyl-d14
Concen: 50.80 ng
RT: 13.04 min Scan# 954
Delta R.T. -0.01 min
Lab File: BF081902.D
Acq: 30 Sep 2015 7:31

Instrument :
BNA_F
ClientSampleId :
MW-2BDL

Tgt Ion:244 Resp: 736292

Ion	Ratio	Lower	Upper
244	100		
212	7.5	4.3	6.5#
122	9.6	17.4	26.2#





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.57 min Scan# 1175
Delta R.T. -0.01 min
Lab File: BF081902.D
Acq: 30 Sep 2015 7:31

Tgt Ion:264 Resp: 344686

Ion	Ratio	Lower	Upper
264	100		
260	23.1	16.7	25.1
265	21.3	17.2	25.8