Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010816\
Data File : BF084346.D
Acq On : 9 Jan 2016 1:26
Operator : SJ/UM
Sample : H1036-01
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WC-DRUM1

Quant Time: Jan 09 04:49:36 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 04 12:22:40 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	262502	20.00	ng		-0.05
21) Naphthalene-d8	8.14	136	1163084	20.00	ng		-0.05
38) Acenaphthene-d10	9.89	164	537076	20.00	ng		-0.06
63) Phenanthrene-d10	11.38	188	1016622	20.00	ng		-0.05
75) Chrysene-d12	14.01	240	729308	20.00	ng		-0.06
86) Perylene-d12	15.44	264	535050	20.00	ng		-0.07
System Monitoring Compounds							
5) 2-Fluorophenol	5.48	112	1924474	118.58	ng		-0.01
7) Phenol-d6	6.51	99	2013585	98.79	ng		-0.02
23) Nitrobenzene-d5	7.42	82	1715862	82.11	ng		-0.05
41) 2,4,6-Tribromophenol	10.69	330	760295	140.22	ng		-0.05
44) 2-Fluorobiphenyl	9.22	172	2547914	83.33	ng		-0.05
78) Terphenyl-d14	12.97	244	2709350	82.92	ng		-0.05
Target Compounds							Qvalue
31) Naphthalene	8.17	128	2514348	47.65	ng		98
32) Benzoic acid	7.88	122	9841	6.93	ng	#	82
37) 2-Methylnaphthalene	8.85	142	351325	9.27	ng		99
51) Acenaphthene	9.93	154	305127	9.18	ng		98
54) Dibenzofuran	10.10	168	282585	3.85	ng		99
57) Fluorene	10.44	166	204734	3.98	ng		98
70) Phenanthrene	11.40	178	318401	5.99	ng		99
76) Benzidine	12.72	184	66772	2.55	ng		98

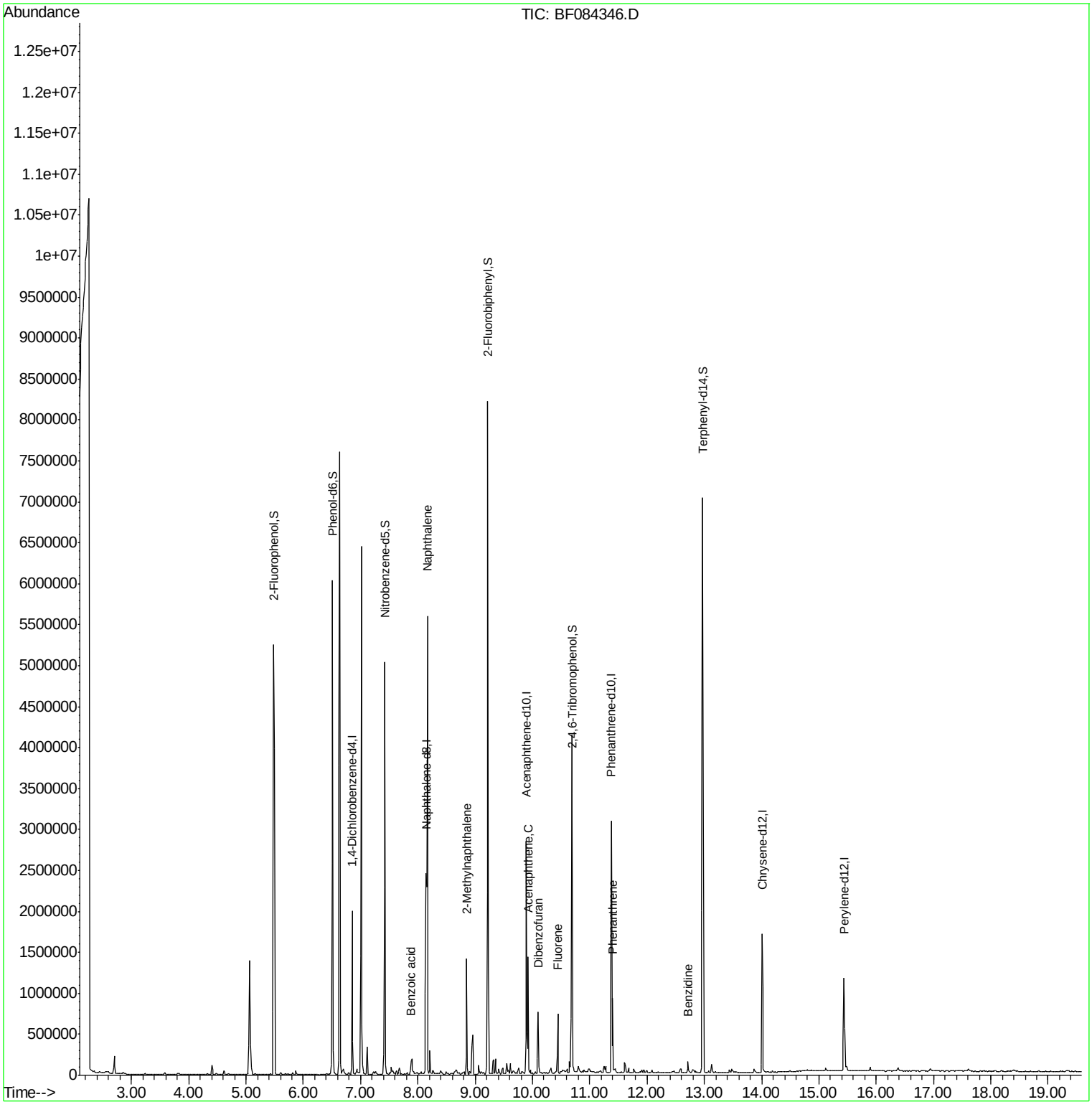
(#) = qualifier out of range (m) = manual integration (+) = signals summed

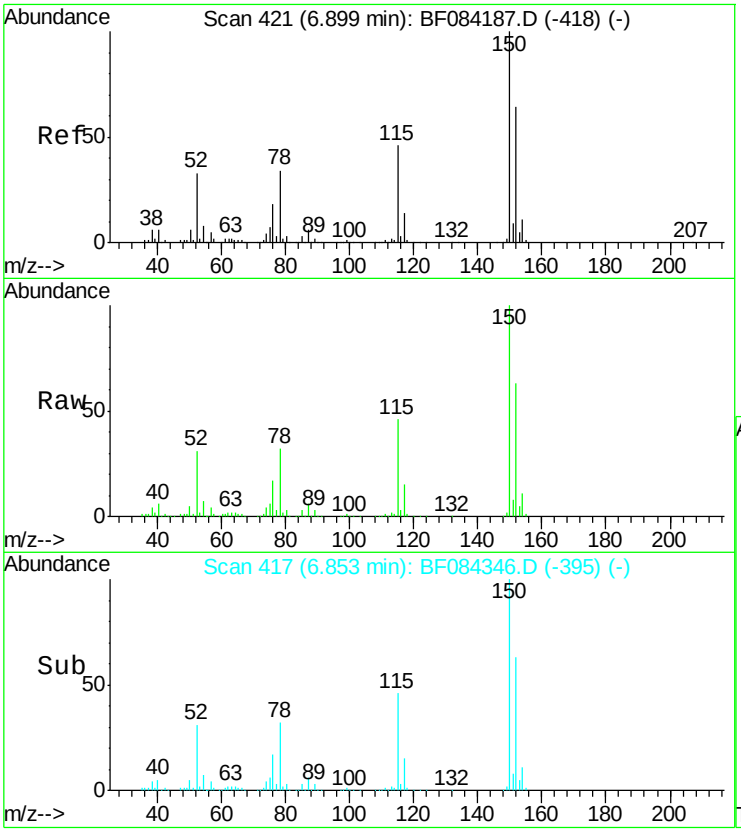
Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010816\
Data File : BF084346.D
Acq On : 9 Jan 2016 1:26
Operator : SJ/UM
Sample : H1036-01
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-DRUM1

Quant Time: Jan 09 04:49:36 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 04 12:22:40 2016
Response via : Initial Calibration



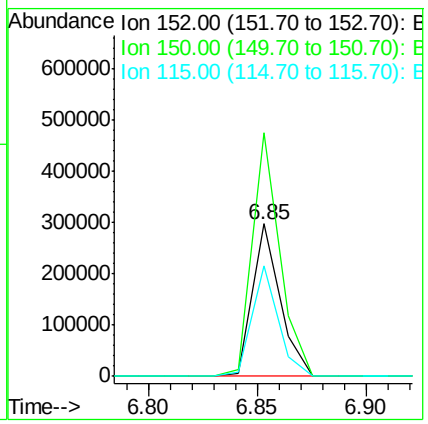


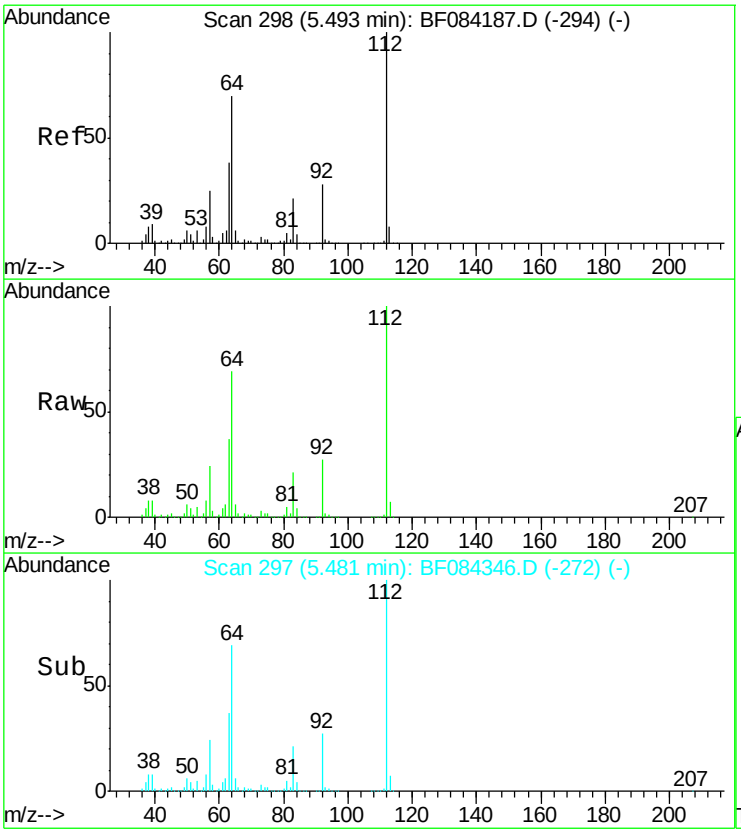
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 417
Delta R.T. -0.05 min
Lab File: BF084346.D
Acq: 9 Jan 2016 1:26

Instrument :
BNA_F
ClientSampleId :
WC-DRUM1

Tgt Ion:152 Resp: 262502

Ion	Ratio	Lower	Upper
152	100		
150	159.5	123.0	184.4
115	72.6	51.4	77.2

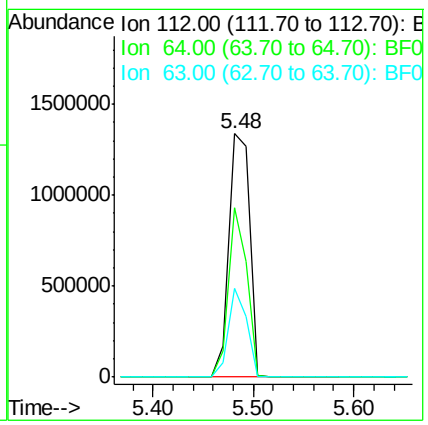


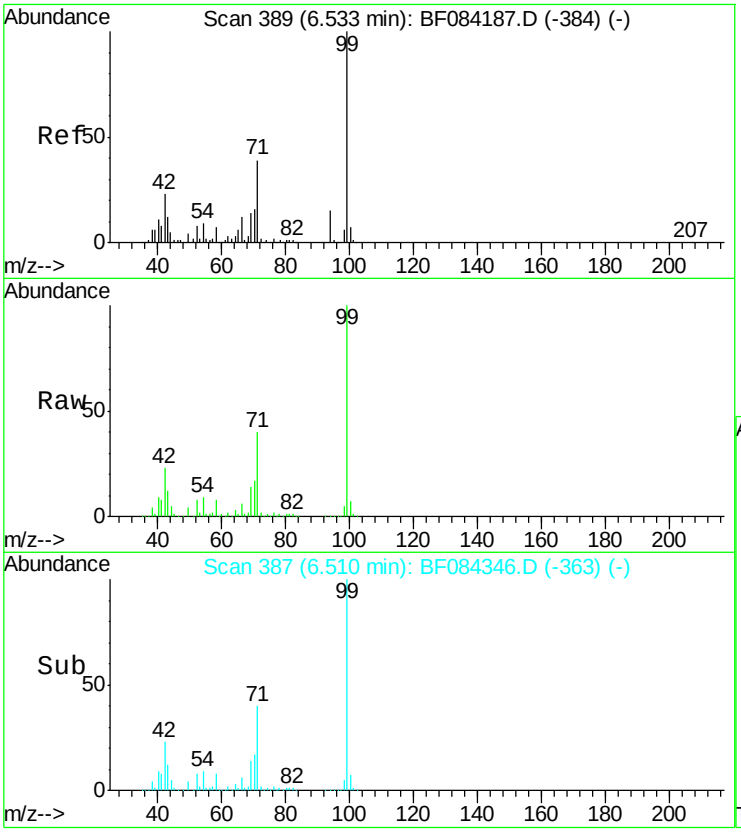


#5
2-Fluorophenol
Concen: 118.58 ng
RT: 5.48 min Scan# 297
Delta R.T. -0.01 min
Lab File: BF084346.D
Acq: 9 Jan 2016 1:26

Tgt Ion:112 Resp: 1924474

Ion	Ratio	Lower	Upper
112	100		
64	69.4	36.6	55.0#
63	36.7	19.4	29.0#



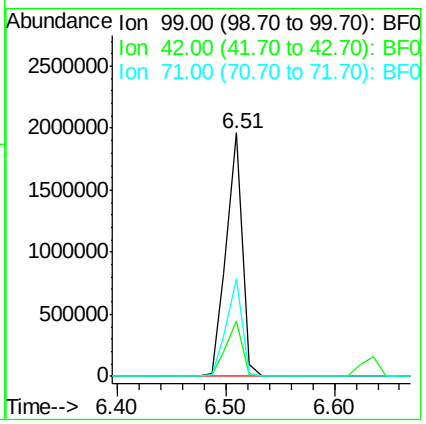


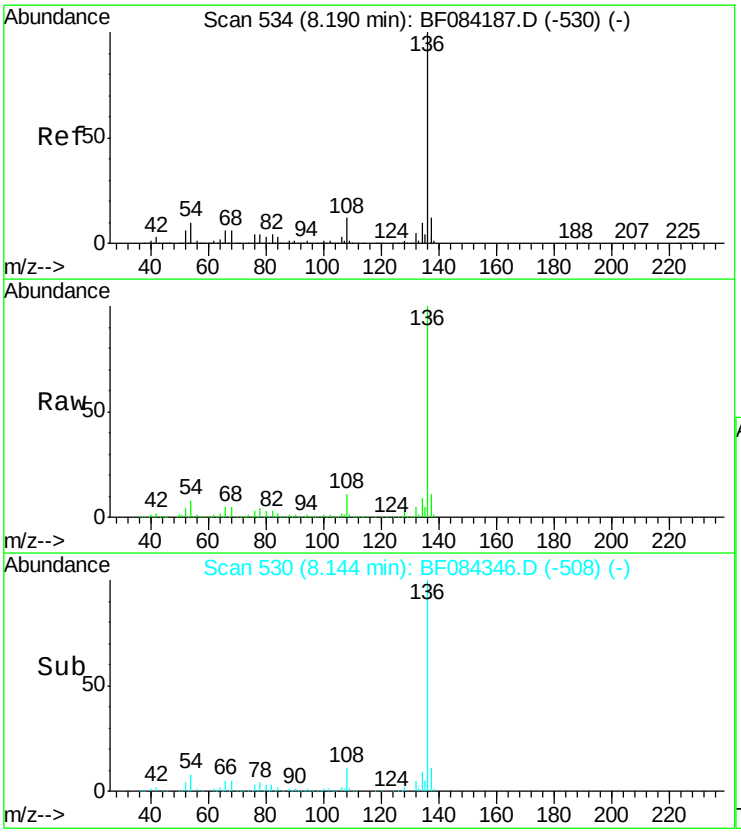
#7
Phenol-d6
Concen: 98.79 ng
RT: 6.51 min Scan# 387
Delta R.T. -0.02 min
Lab File: BF084346.D
Acq: 9 Jan 2016 1:26

Instrument :
BNA_F
ClientSampleId :
WC-DRUM1

Tgt Ion: 99 Resp: 2013585

Ion	Ratio	Lower	Upper
99	100		
42	22.6	12.8	19.2#
71	40.3	30.9	46.3

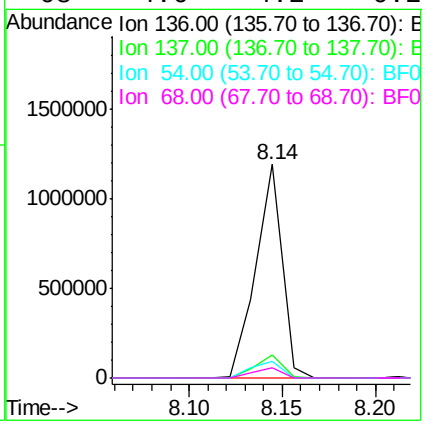


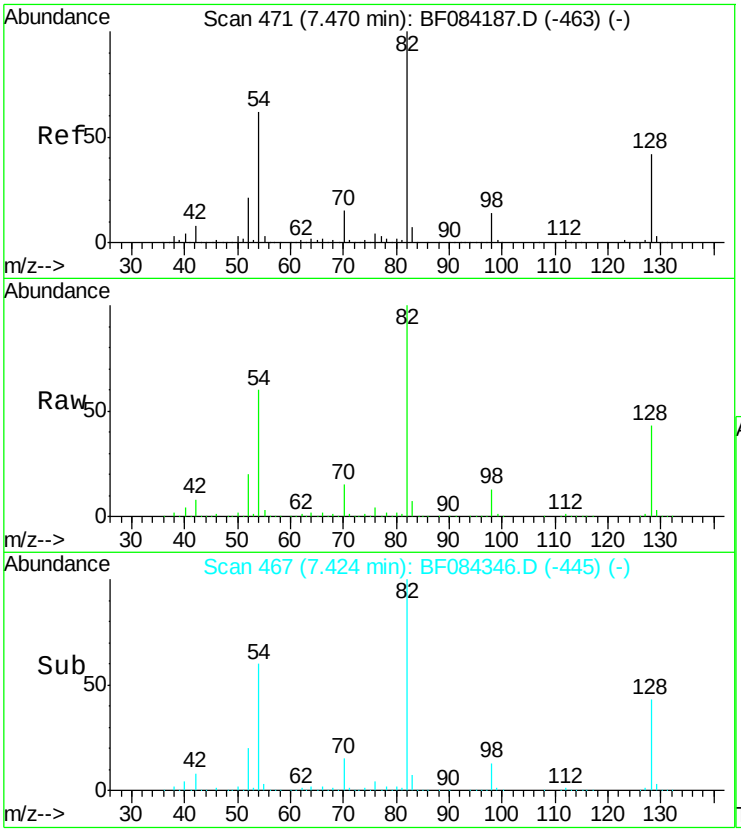


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 530
Delta R.T. -0.05 min
Lab File: BF084346.D
Acq: 9 Jan 2016 1:26

Tgt Ion:136 Resp: 1163084

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	7.6	5.8	8.8
68	4.6	4.2	6.2



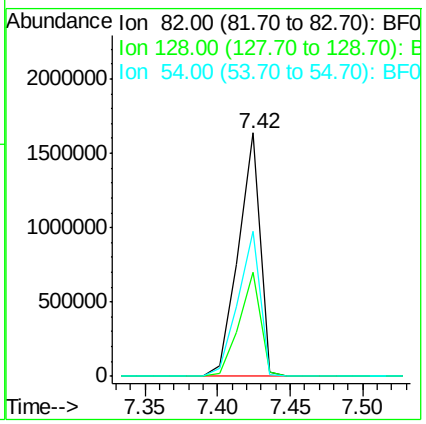


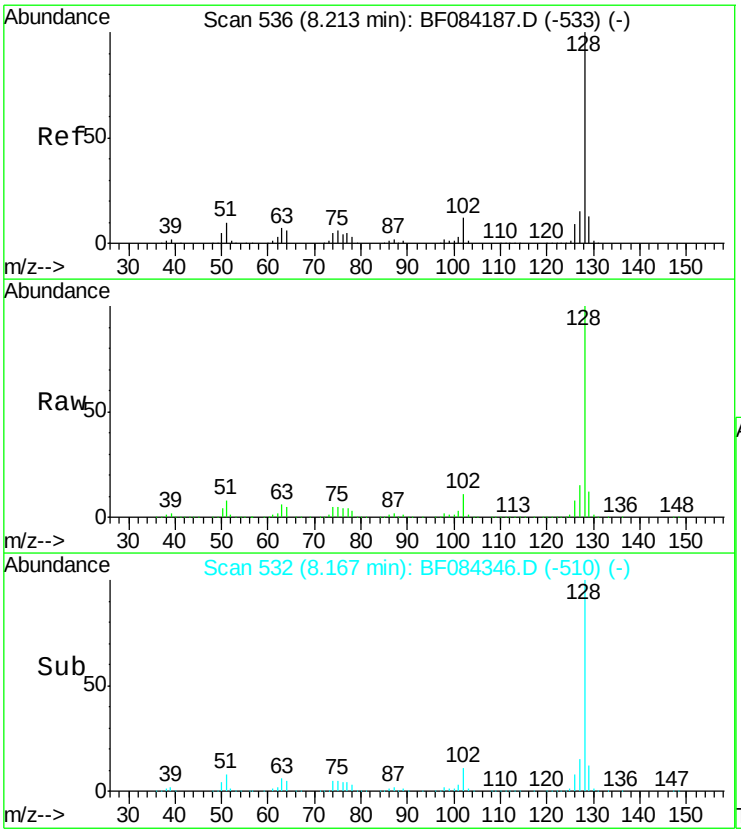
#23
Nitrobenzene-d5
Concen: 82.11 ng
RT: 7.42 min Scan# 467
Delta R.T. -0.05 min
Lab File: BF084346.D
Acq: 9 Jan 2016 1:26

Instrument :
BNA_F
ClientSampleId :
WC-DRUM1

Tgt Ion: 82 Resp: 1715862

Ion	Ratio	Lower	Upper
82	100		
128	43.0	34.6	51.8
54	59.8	38.4	57.6#

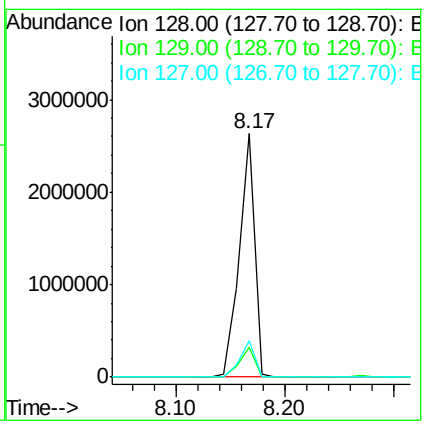


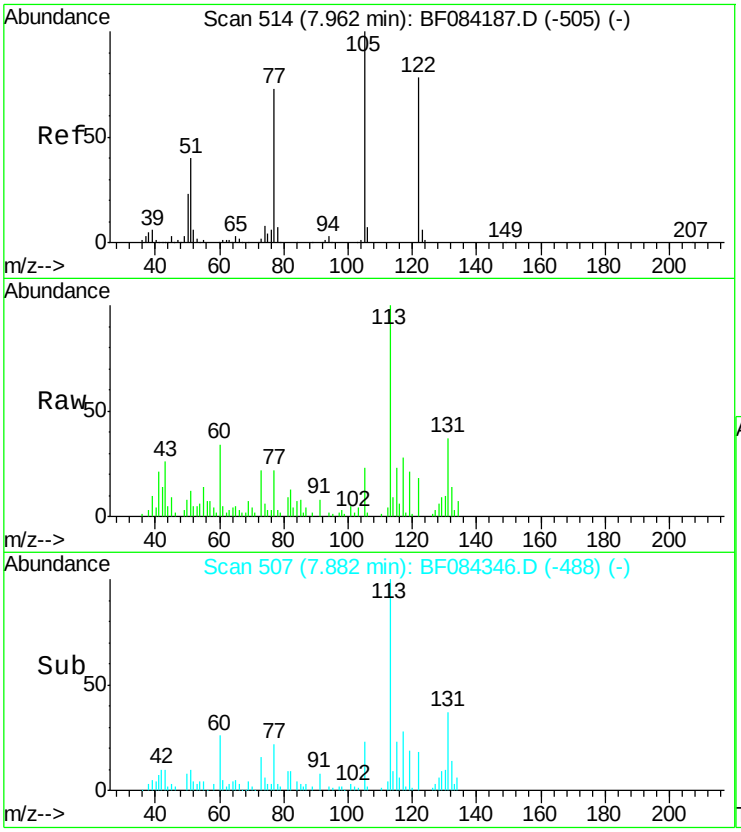


#31
Naphthalene
Concen: 47.65 ng
RT: 8.17 min Scan# 532
Delta R.T. -0.05 min
Lab File: BF084346.D
Acq: 9 Jan 2016 1:26

Tgt Ion:128 Resp: 2514348

Ion	Ratio	Lower	Upper
128	100		
129	12.4	9.1	13.7
127	14.9	11.1	16.7



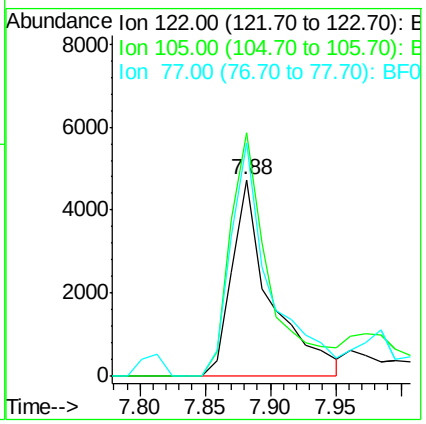


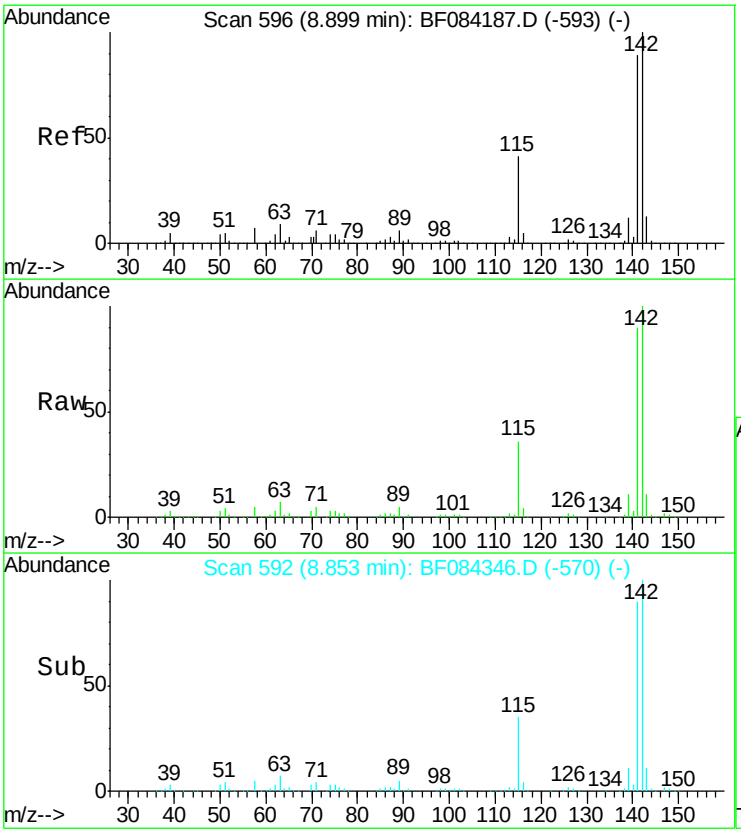
#32
Benzoic acid
Concen: 6.93 ng
RT: 7.88 min Scan# 507
Delta R.T. -0.08 min
Lab File: BF084346.D
Acq: 9 Jan 2016 1:26

Instrument :
BNA_F
ClientSampleId :
WC-DRUM1

Tgt Ion:122 Resp: 9841

Ion	Ratio	Lower	Upper
122	100		
105	123.7	100.3	140.3
77	118.6	63.5	103.5#

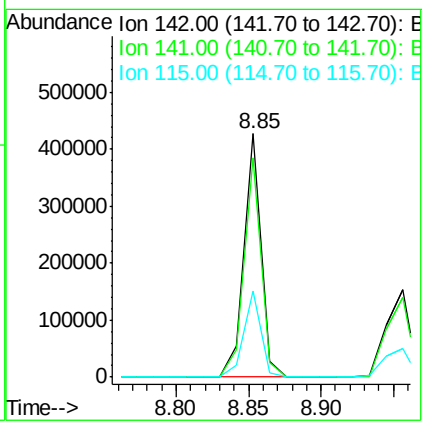


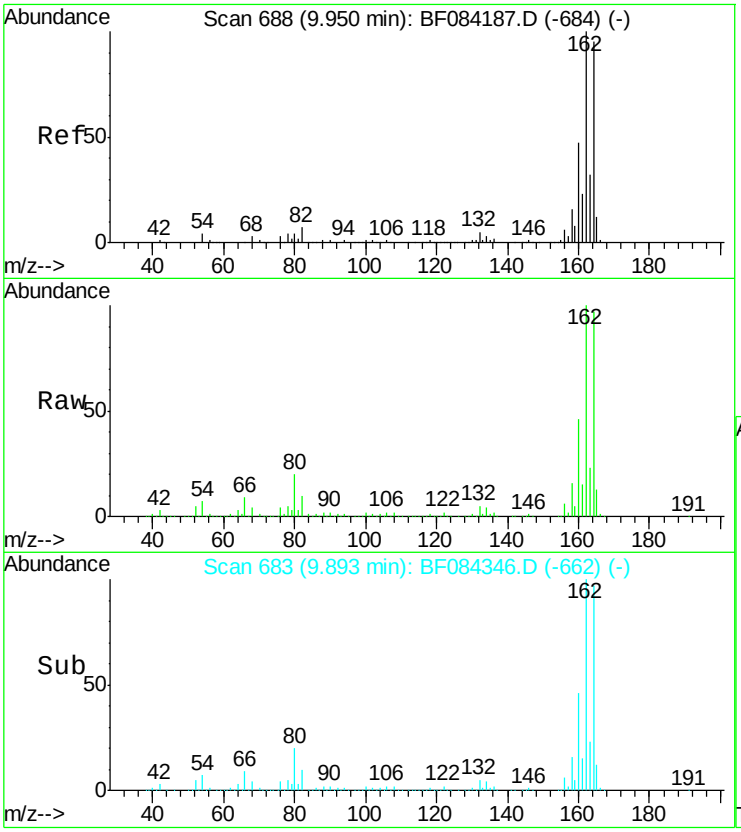


#37
2-Methylnaphthalene
Concen: 9.27 ng
RT: 8.85 min Scan# 592
Delta R.T. -0.05 min
Lab File: BF084346.D
Acq: 9 Jan 2016 1:26

Tgt Ion:142 Resp: 351325

Ion	Ratio	Lower	Upper
142	100		
141	90.0	72.4	108.6
115	35.6	27.9	41.9



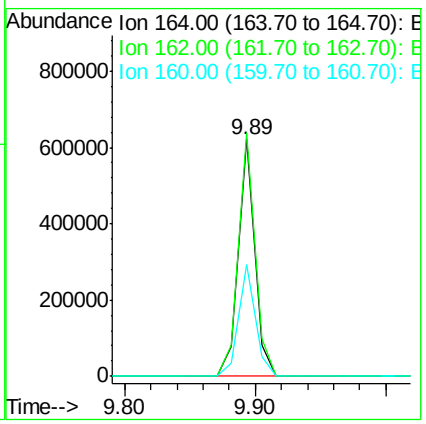


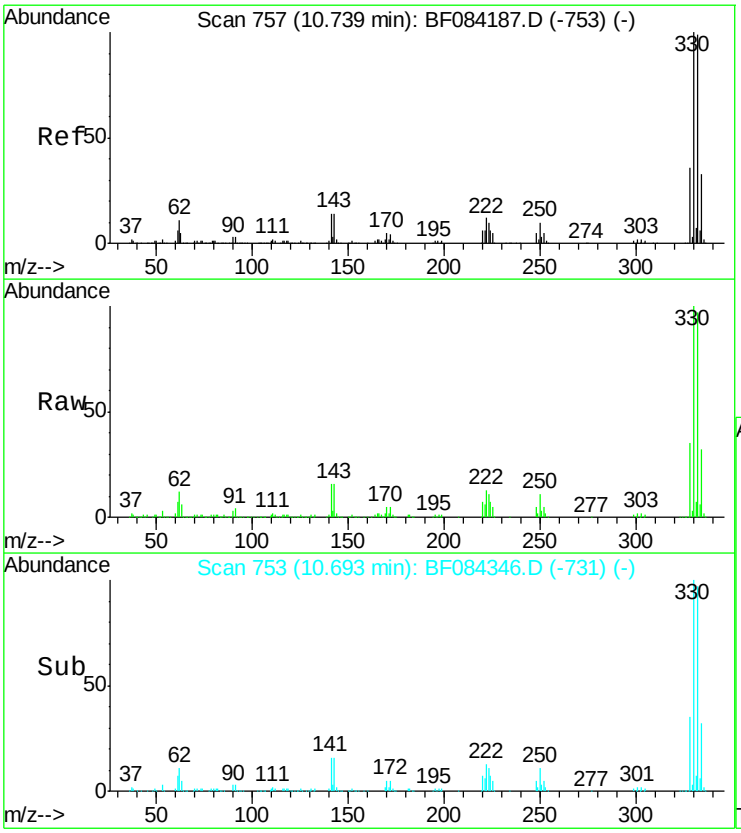
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.89 min Scan# 683
Delta R.T. -0.06 min
Lab File: BF084346.D
Acq: 9 Jan 2016 1:26

Instrument :
BNA_F
ClientSampleId :
WC-DRUM1

Tgt Ion:164 Resp: 537076

Ion	Ratio	Lower	Upper
164	100		
162	102.8	85.1	127.7
160	47.2	37.5	56.3

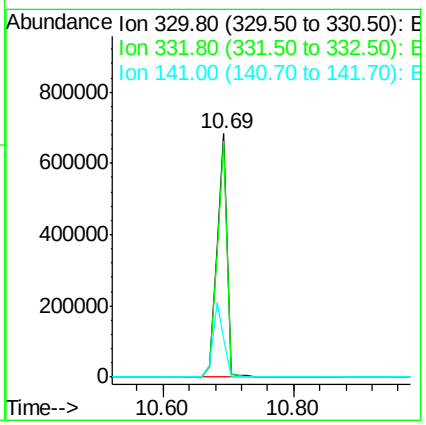


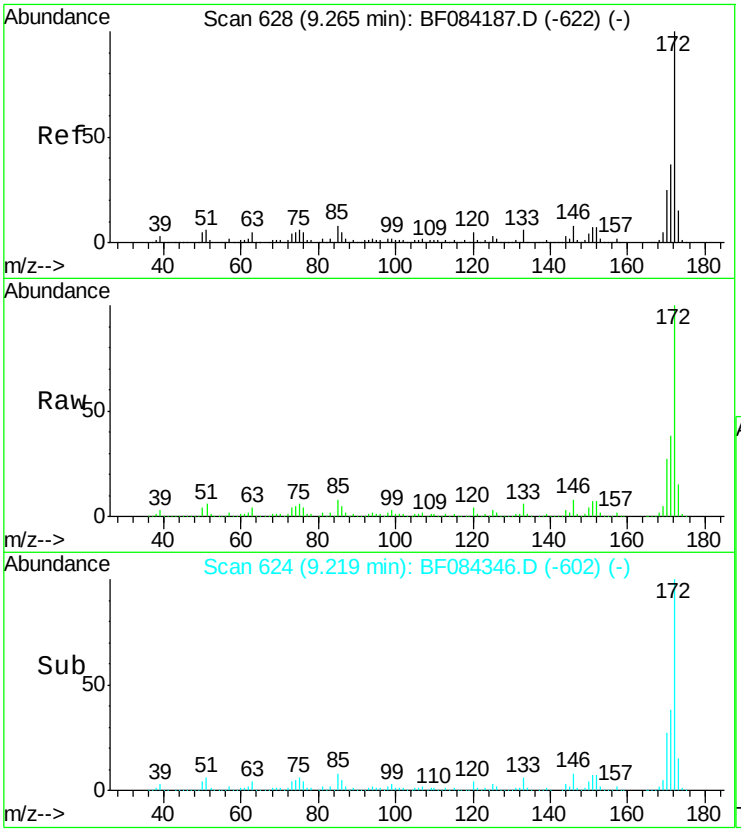


#41
2,4,6-Tribromophenol
Concen: 140.22 ng
RT: 10.69 min Scan# 753
Delta R.T. -0.05 min
Lab File: BF084346.D
Acq: 9 Jan 2016 1:26

Tgt Ion:330 Resp: 760295

Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.6	114.8
141	32.6	27.8	41.6



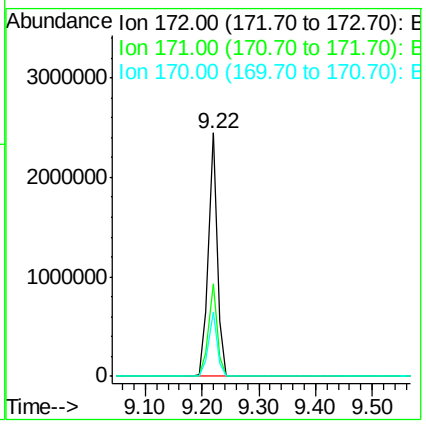


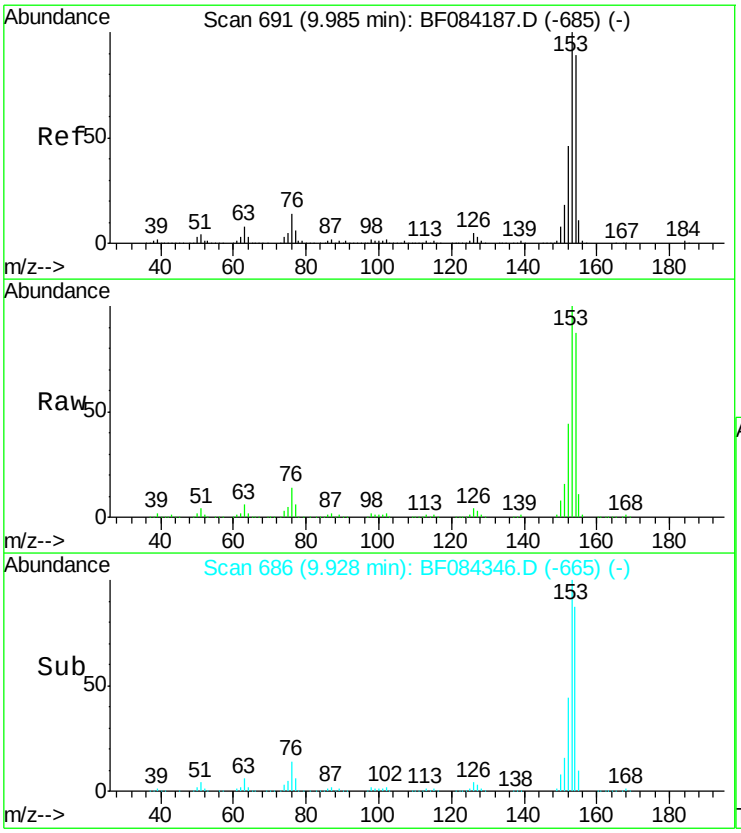
#44
2-Fluorobiphenyl
Concen: 83.33 ng
RT: 9.22 min Scan# 624
Delta R.T. -0.05 min
Lab File: BF084346.D
Acq: 9 Jan 2016 1:26

Instrument :
BNA_F
ClientSampleId :
WC-DRUM1

Tgt Ion:172 Resp: 2547914

Ion	Ratio	Lower	Upper
172	100		
171	38.0	28.9	43.3
170	26.7	18.6	27.8

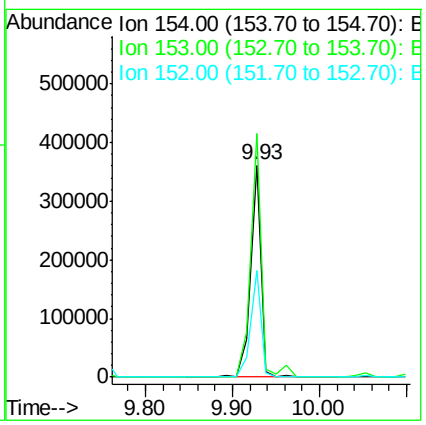


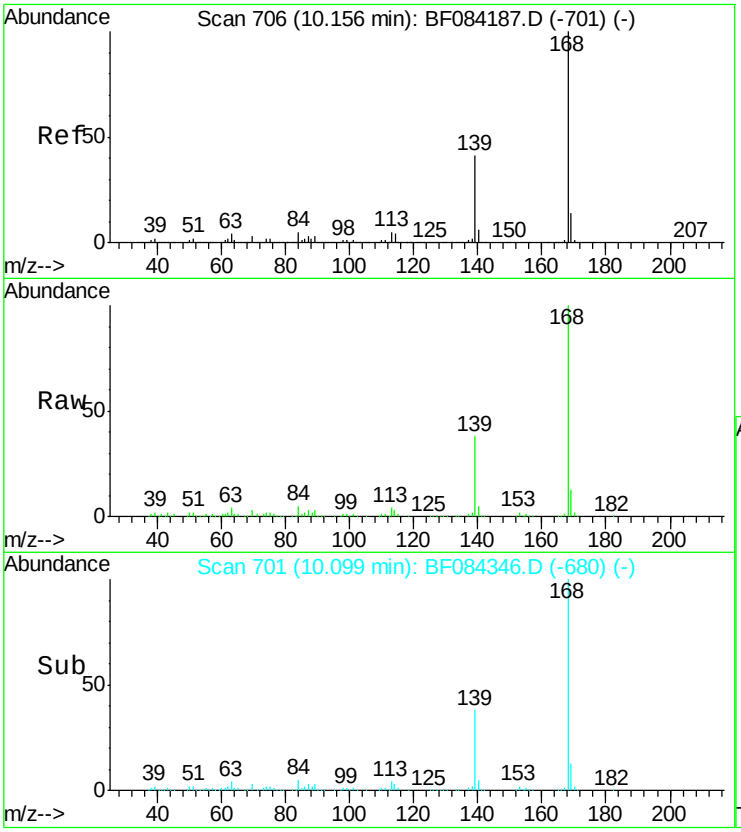


#51
Acenaphthene
Concen: 9.18 ng
RT: 9.93 min Scan# 686
Delta R.T. -0.06 min
Lab File: BF084346.D
Acq: 9 Jan 2016 1:26

Tgt Ion:154 Resp: 305127

Ion	Ratio	Lower	Upper
154	100		
153	115.1	91.5	137.3
152	50.7	43.0	64.6



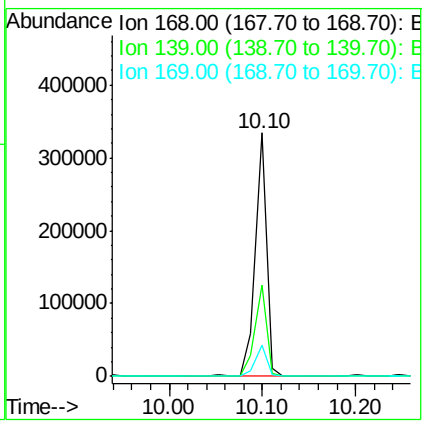


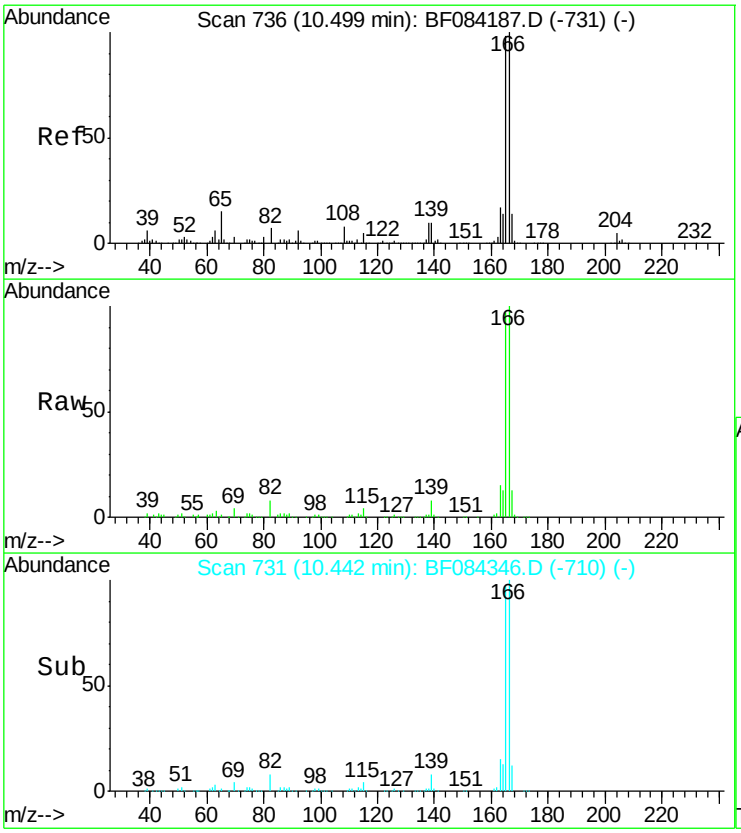
#54
Dibenzofuran
Concen: 3.85 ng
RT: 10.10 min Scan# 701
Delta R.T. -0.06 min
Lab File: BF084346.D
Acq: 9 Jan 2016 1:26

Instrument :
BNA_F
ClientSampleId :
WC-DRUM1

Tgt Ion:168 Resp: 282585

Ion	Ratio	Lower	Upper
168	100		
139	37.6	30.5	45.7
169	13.0	10.4	15.6

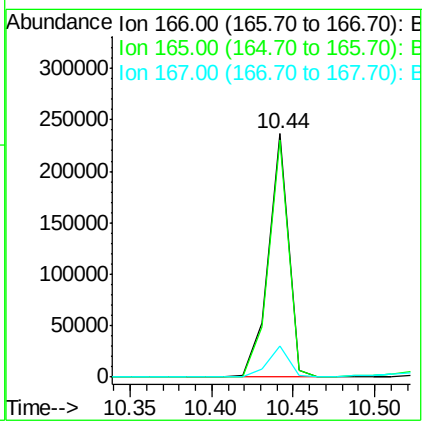


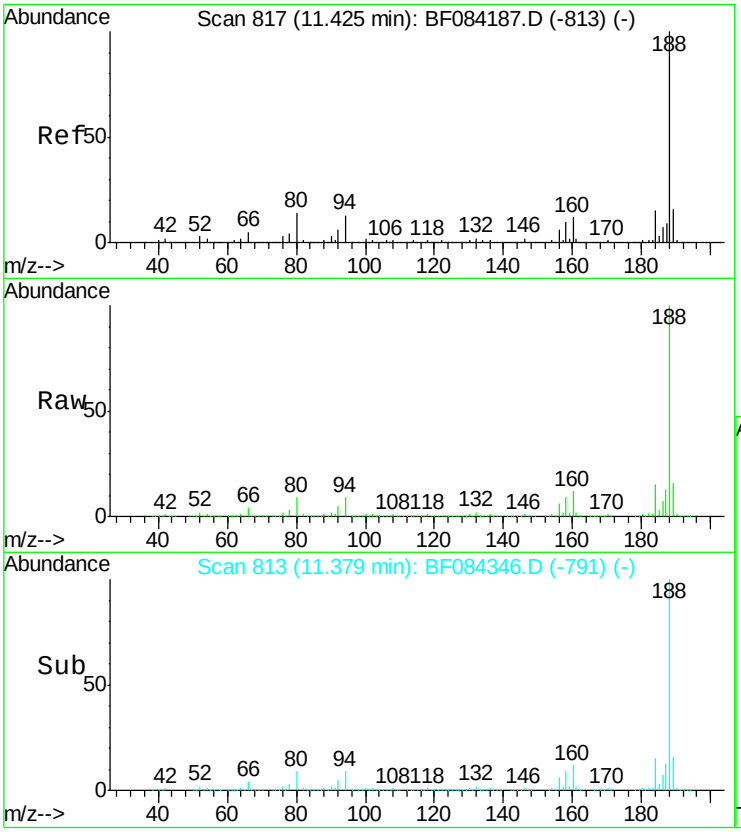


#57
Fluorene
Concen: 3.98 ng
RT: 10.44 min Scan# 731
Delta R.T. -0.06 min
Lab File: BF084346.D
Acq: 9 Jan 2016 1:26

Tgt Ion:166 Resp: 204734

Ion	Ratio	Lower	Upper
166	100		
165	97.3	79.1	118.7
167	12.6	10.4	15.6



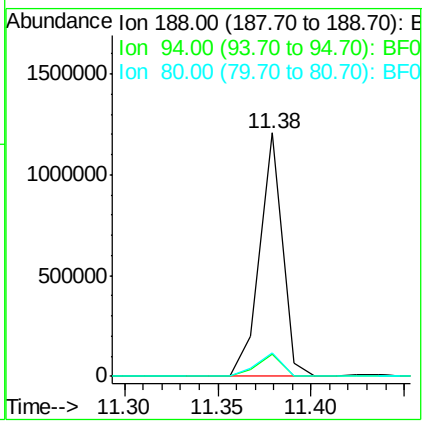


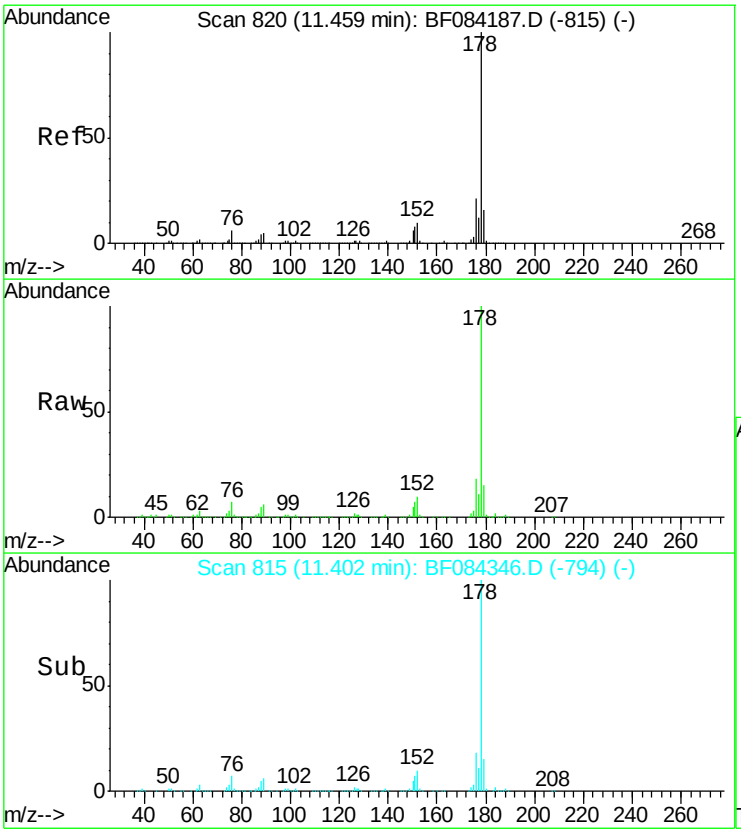
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.38 min Scan# 813
Delta R.T. -0.05 min
Lab File: BF084346.D
Acq: 9 Jan 2016 1:26

Instrument :
BNA_F
ClientSampleId :
WC-DRUM1

Tgt Ion:188 Resp: 1016622

Ion	Ratio	Lower	Upper
188	100		
94	8.9	9.0	13.4#
80	9.5	9.6	14.4#

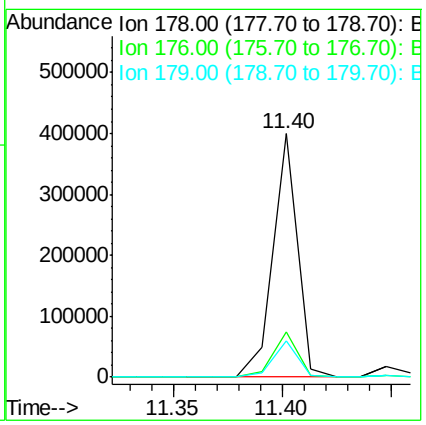


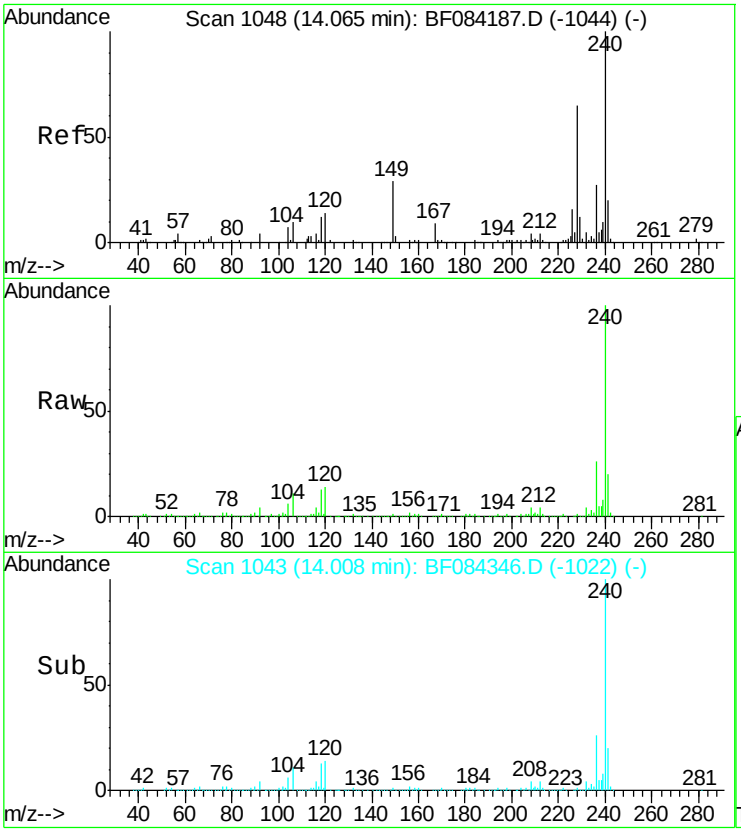


#70
Phenanthrene
Concen: 5.99 ng
RT: 11.40 min Scan# 815
Delta R.T. -0.06 min
Lab File: BF084346.D
Acq: 9 Jan 2016 1:26

Tgt Ion:178 Resp: 318401

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.3	22.9
179	15.0	12.0	18.0



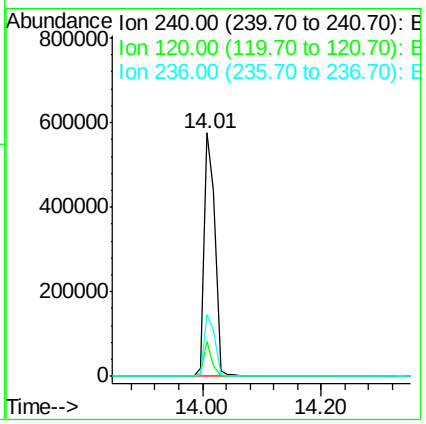


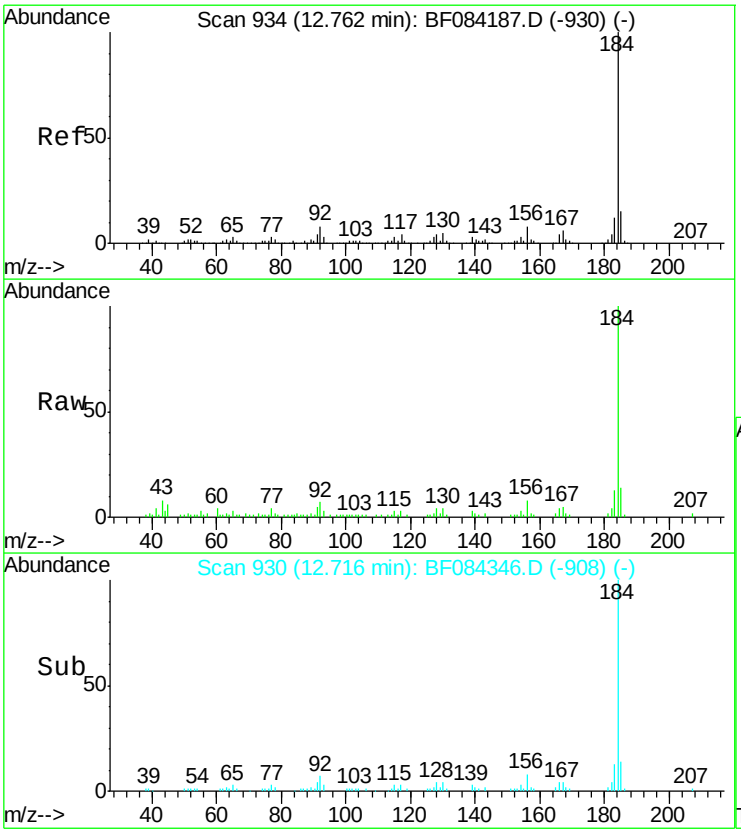
#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.01 min Scan# 1043
Delta R.T. -0.06 min
Lab File: BF084346.D
Acq: 9 Jan 2016 1:26

Instrument :
BNA_F
ClientSampleId :
WC-DRUM1

Tgt Ion:240 Resp: 729308

Ion	Ratio	Lower	Upper
240	100		
120	14.4	9.5	14.3#
236	25.6	20.6	31.0

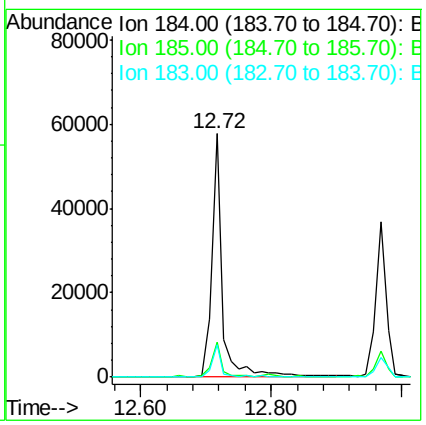


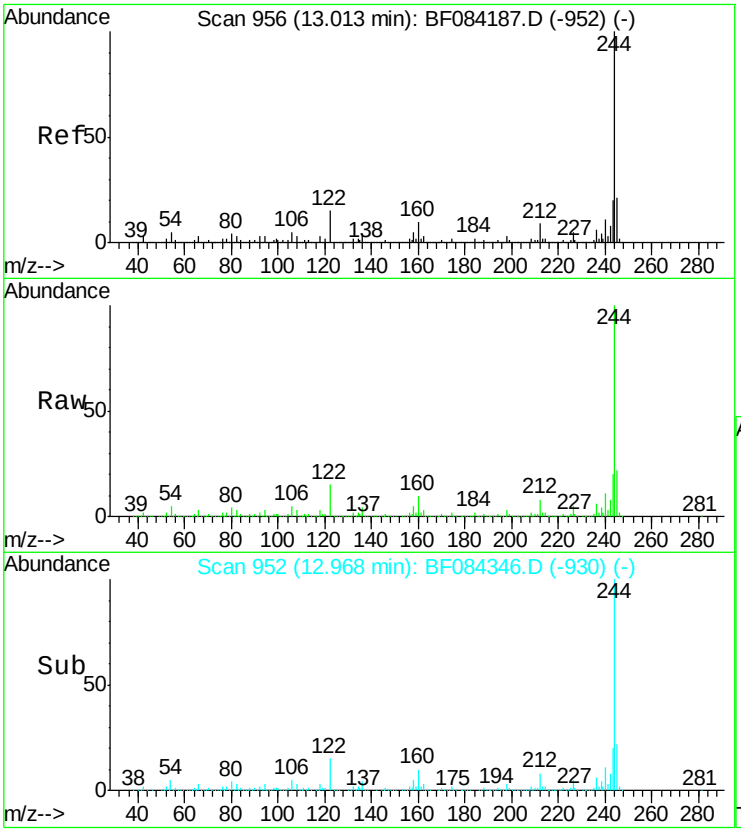


#76
Benzidine
Concen: 2.55 ng
RT: 12.72 min Scan# 930
Delta R.T. -0.05 min
Lab File: BF084346.D
Acq: 9 Jan 2016 1:26

Tgt Ion:184 Resp: 66772

Ion	Ratio	Lower	Upper
184	100		
185	14.5	12.2	18.2
183	13.1	9.8	14.8



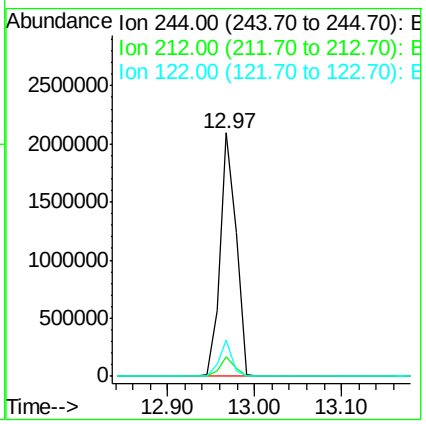


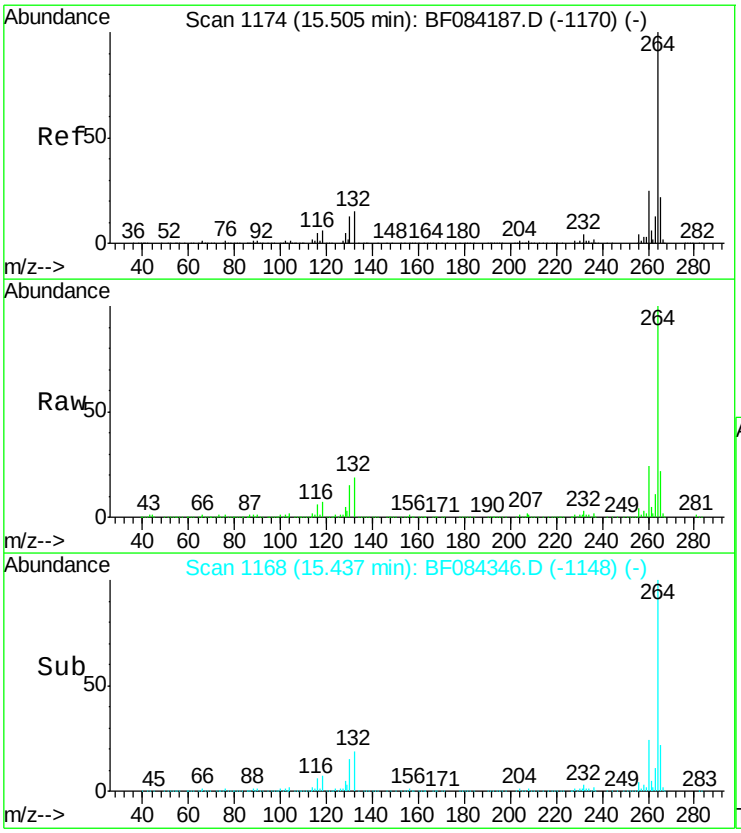
#78
Terphenyl-d14
Concen: 82.92 ng
RT: 12.97 min Scan# 952
Delta R.T. -0.05 min
Lab File: BF084346.D
Acq: 9 Jan 2016 1:26

Instrument :
BNA_F
ClientSampleId :
WC-DRUM1

Tgt Ion:244 Resp: 2709350

Ion	Ratio	Lower	Upper
244	100		
212	8.3	5.7	8.5
122	14.9	7.4	11.0#





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.44 min Scan# 1168
Delta R.T. -0.07 min
Lab File: BF084346.D
Acq: 9 Jan 2016 1:26

Tgt Ion:264 Resp: 535050

Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.4	29.2
265	21.8	17.8	26.6