Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040717\
Data File : BF094297.D
Acq On : 8 Apr 2017 3:55
Operator : SJ/MA
Sample : I2593-01
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TW-10

Quant Time: Apr 08 05:19:13 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 06 13:20:29 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.85	152	130645	20.00	ng		0.00
21) Naphthalene-d8	7.36	136	452810	20.00	ng		0.00
38) Acenaphthene-d10	9.50	164	177724	20.00	ng		0.00
63) Phenanthrene-d10	11.33	188	264880	20.00	ng		0.00
75) Chrysene-d12	14.57	240	261870	20.00	ng		0.00
86) Perylene-d12	16.20	264	210740	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	4.42	112	512636	66.27	ng		0.03
7) Phenol-d6	5.50	99	385464	40.28	ng		0.04
23) Nitrobenzene-d5	6.51	82	746123	94.04	ng		0.00
41) 2,4,6-Tribromophenol	10.49	330	198045	141.02	ng		0.01
44) 2-Fluorobiphenyl	8.69	172	1288004	110.54	ng		0.00
78) Terphenyl-d14	13.30	244	777339	66.54	ng		0.00
Target Compounds							Qvalue
10) Phenol	5.51	94	24973	2.29	ng	#	80
31) Naphthalene	7.39	128	2018978	92.73	ng		99
37) 2-Methylnaphthalene	8.24	142	1754539	120.89	ng		99
45) 1,1'-Biphenyl	8.80	154	134655	9.39	ng		97
51) Acenaphthene	9.54	154	25204	2.32	ng		89
54) Dibenzofuran	9.75	168	63041	4.26	ng	#	89
57) Fluorene	10.17	166	61678	5.02	ng	#	94
70) Phenanthrene	11.35	178	87935	5.97	ng		95

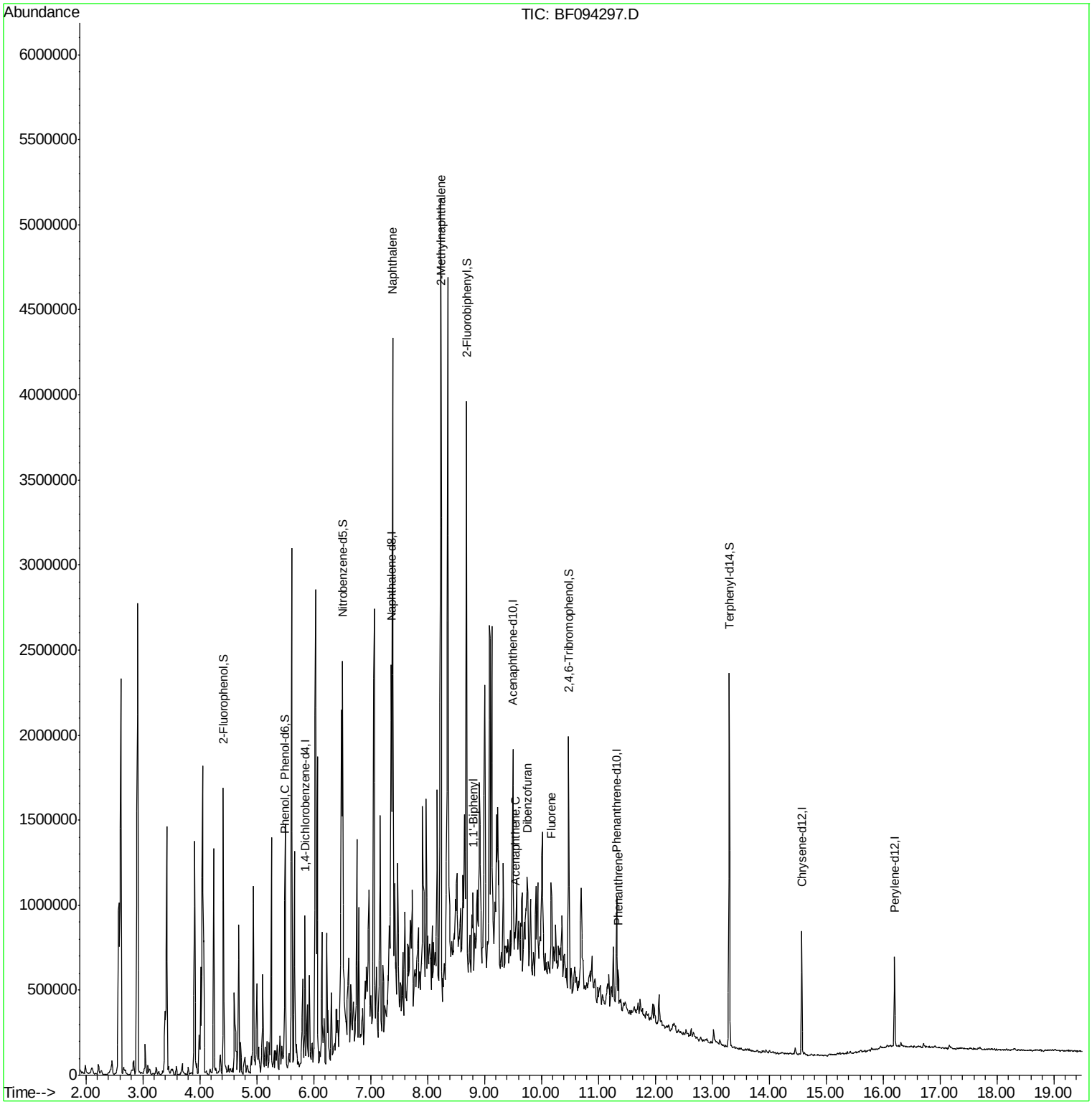
(#) = qualifier out of range (m) = manual integration (+) = signals summed

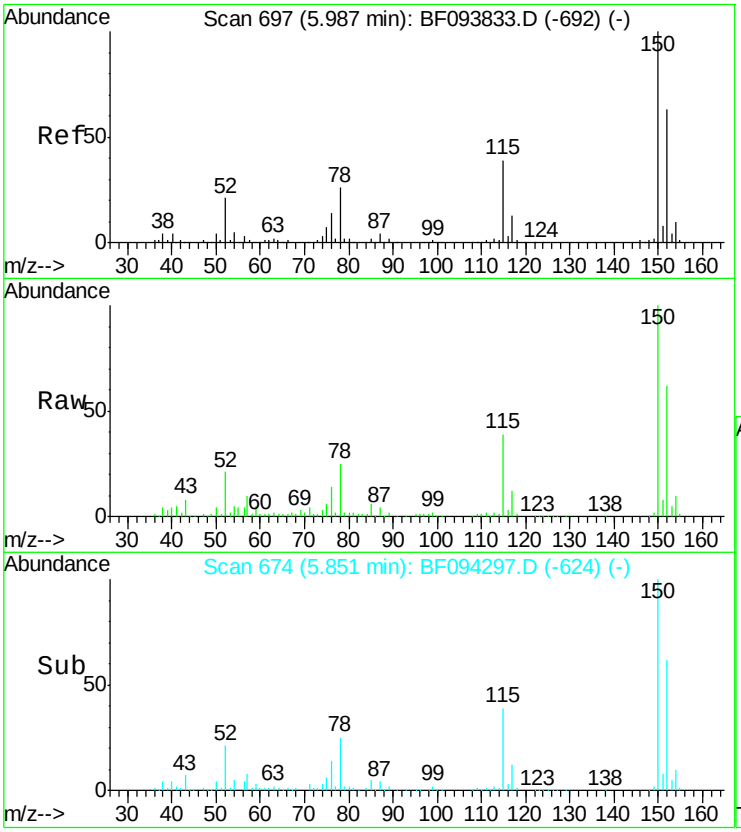
Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040717\
Data File : BF094297.D
Acq On : 8 Apr 2017 3:55
Operator : SJ/MA
Sample : I2593-01
Misc :
ALS Vial : 30 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TW-10

Quant Time: Apr 08 05:19:13 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 06 13:20:29 2017
Response via : Initial Calibration



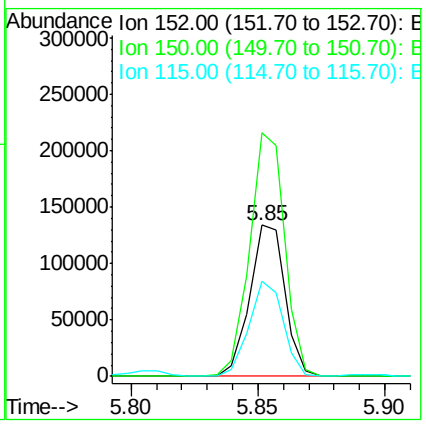


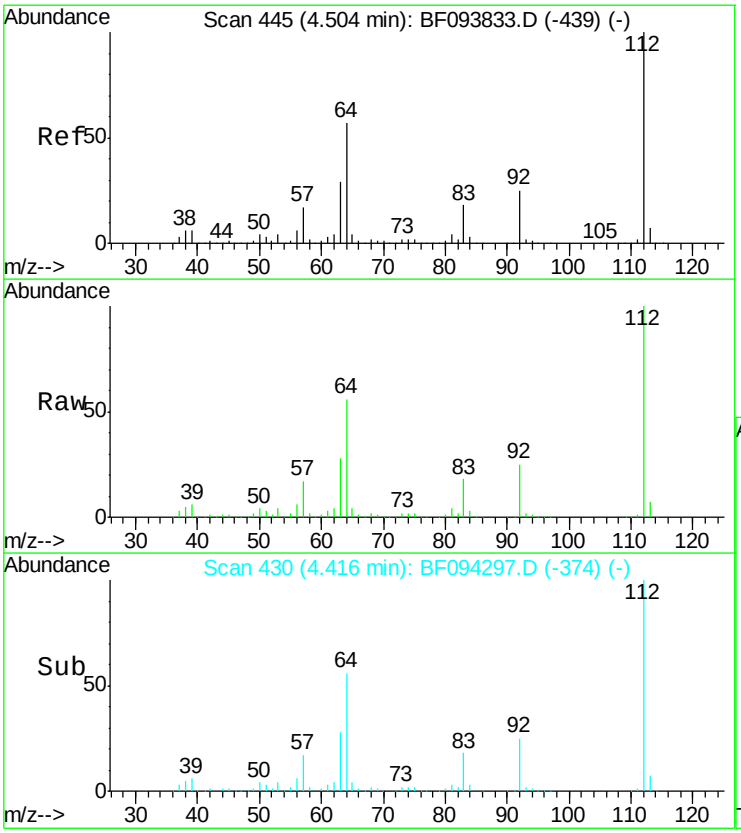
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.85 min Scan# 674
Delta R.T. -0.01 min
Lab File: BF094297.D
Acq: 8 Apr 2017 3:55

Instrument :
BNA_F
ClientSampleId :
TW-10

Tgt Ion:152 Resp: 130645

Ion	Ratio	Lower	Upper
152	100		
150	161.0	126.2	189.2
115	62.6	52.2	78.2

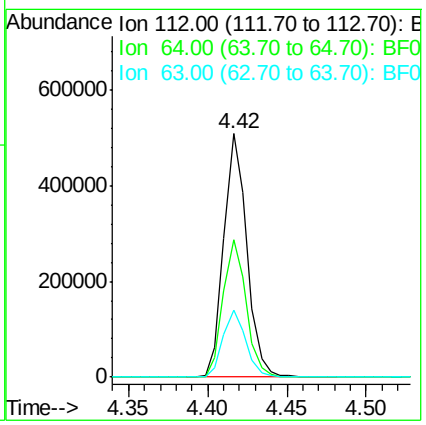


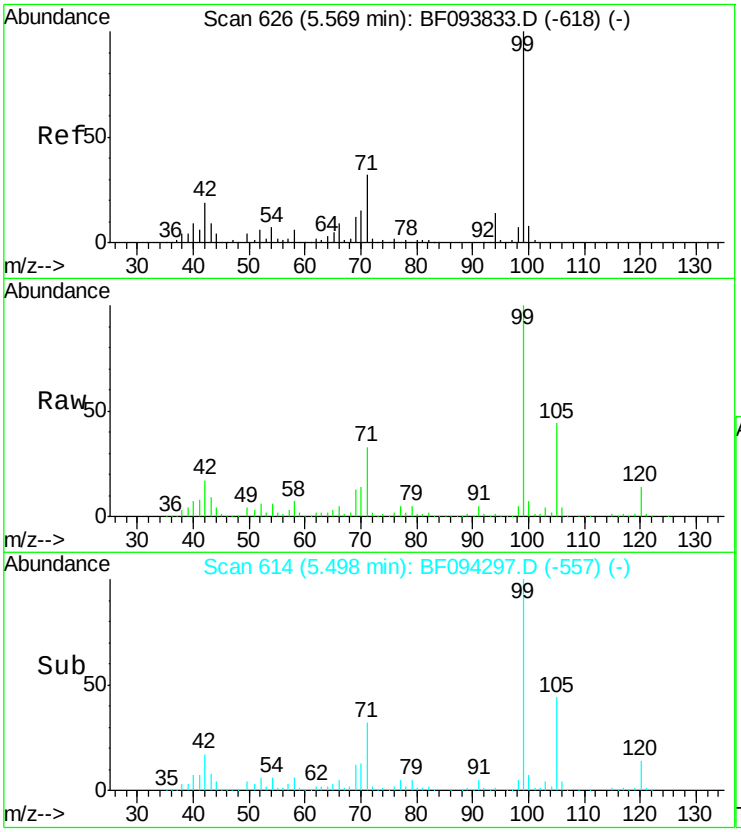


#5
2-Fluorophenol
Concen: 66.27 ng
RT: 4.42 min Scan# 430
Delta R.T. 0.03 min
Lab File: BF094297.D
Acq: 8 Apr 2017 3:55

Tgt Ion:112 Resp: 512636

Ion	Ratio	Lower	Upper
112	100		
64	56.5	46.0	69.0
63	27.7	23.4	35.0



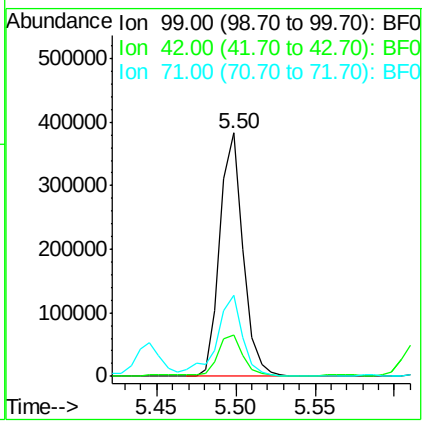


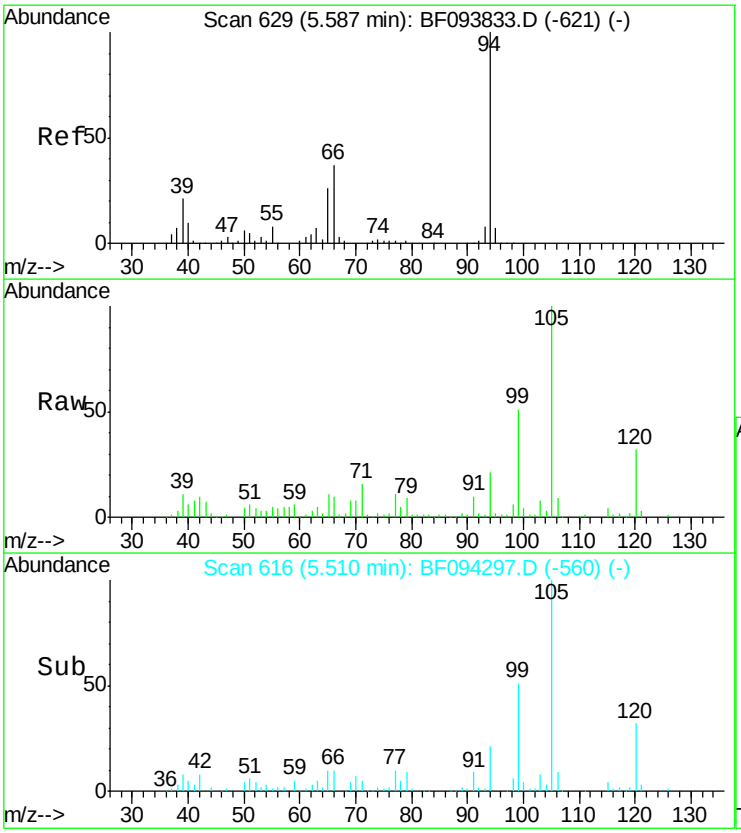
#7
Phenol-d6
Concen: 40.28 ng
RT: 5.50 min Scan# 614
Delta R.T. 0.04 min
Lab File: BF094297.D
Acq: 8 Apr 2017 3:55

Instrument :
BNA_F
ClientSampleId :
TW-10

Tgt Ion: 99 Resp: 385464

Ion	Ratio	Lower	Upper
99	100		
42	17.1	13.5	20.3
71	33.3	24.5	36.7

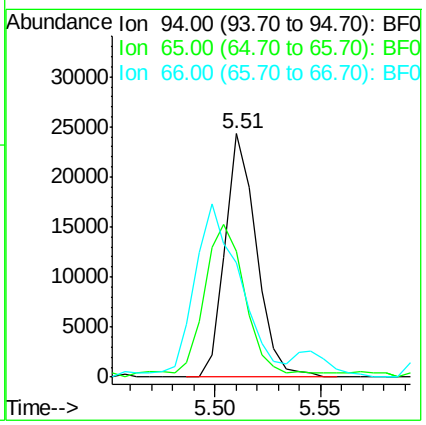


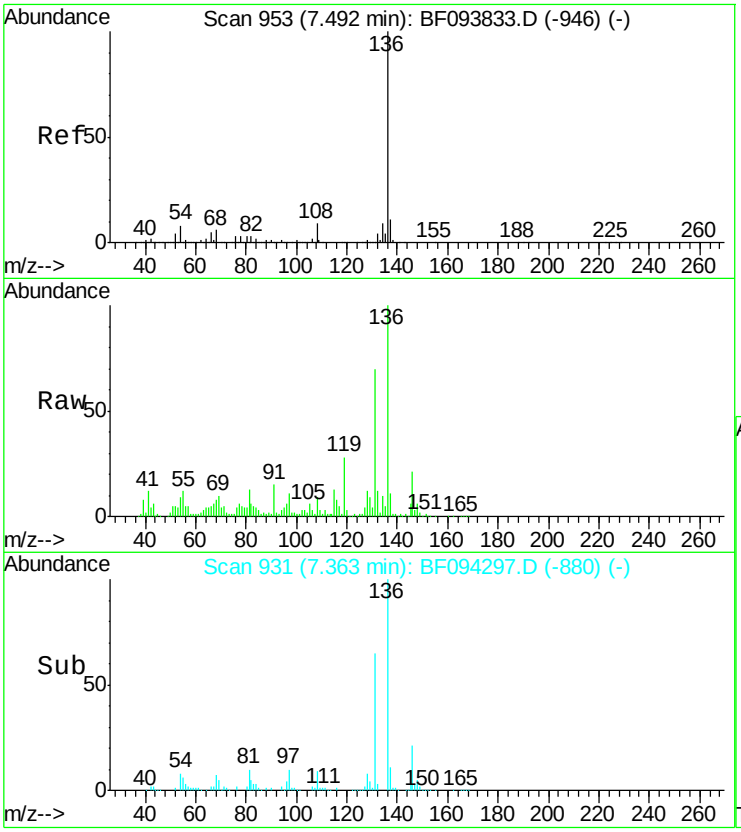


#10
Phenol
Concen: 2.29 ng
RT: 5.51 min Scan# 616
Delta R.T. 0.03 min
Lab File: BF094297.D
Acq: 8 Apr 2017 3:55

Tgt Ion: 94 Resp: 24973

Ion	Ratio	Lower	Upper
94	100		
65	51.7	9.9	49.9#
66	47.0	23.1	63.1



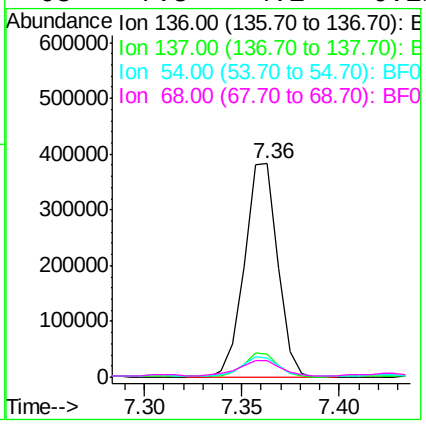


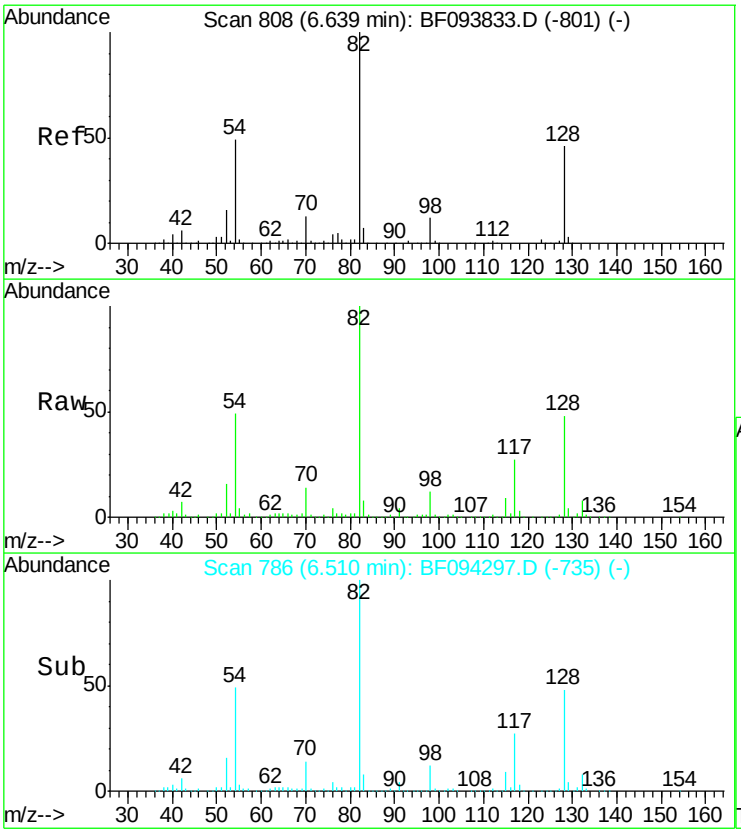
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.36 min Scan# 931
Delta R.T. -0.00 min
Lab File: BF094297.D
Acq: 8 Apr 2017 3:55

Instrument :
BNA_F
ClientSampleId :
TW-10

Tgt Ion:136 Resp: 452810

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.5	12.7
54	8.8	4.9	7.3#
68	7.8	4.1	6.1#

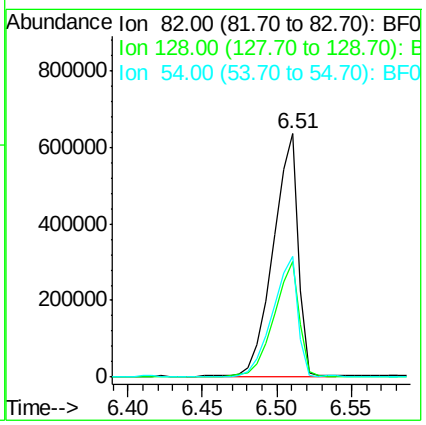


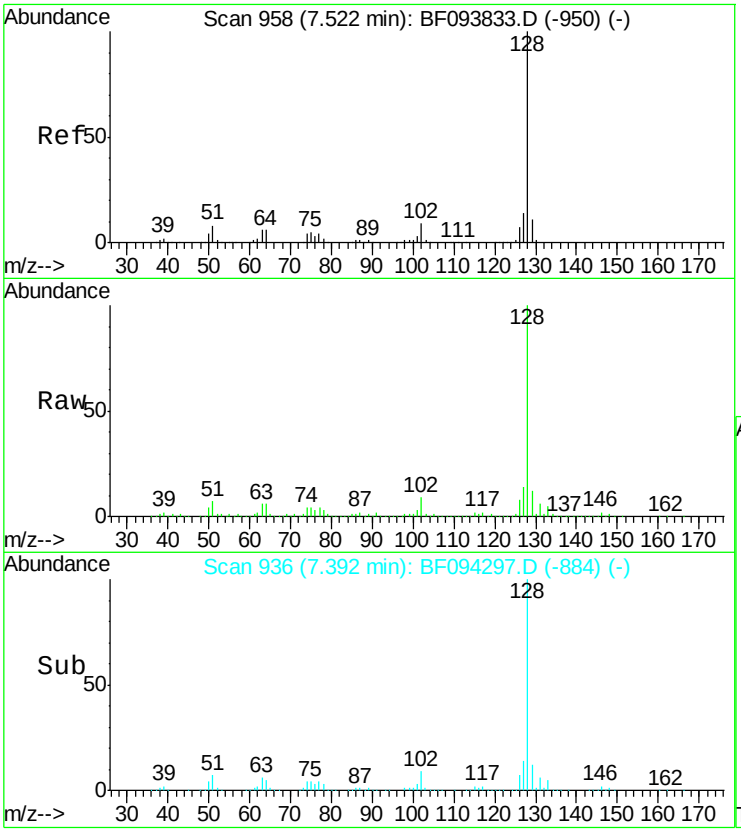


#23
Nitrobenzene-d5
Concen: 94.04 ng
RT: 6.51 min Scan# 786
Delta R.T. -0.00 min
Lab File: BF094297.D
Acq: 8 Apr 2017 3:55

Tgt Ion: 82 Resp: 746123

Ion	Ratio	Lower	Upper
82	100		
128	47.7	34.0	51.0
54	49.4	42.2	63.2



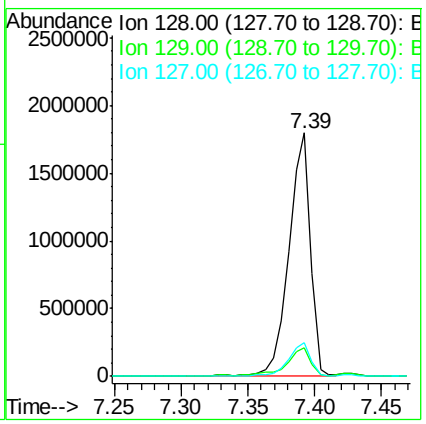


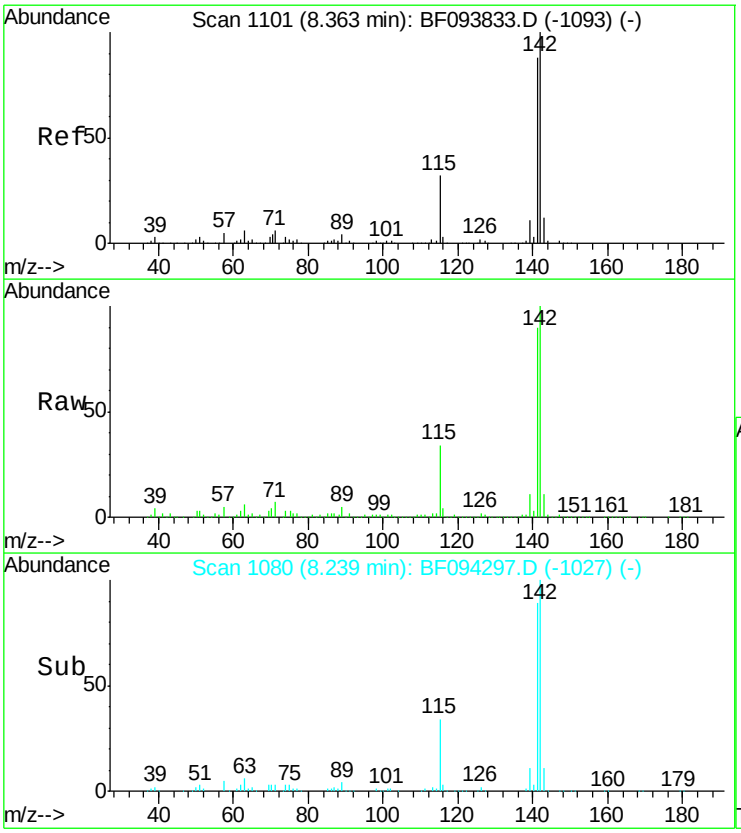
#31
Naphthalene
Concen: 92.73 ng
RT: 7.39 min Scan# 936
Delta R.T. 0.01 min
Lab File: BF094297.D
Acq: 8 Apr 2017 3:55

Instrument :
BNA_F
ClientSampleId :
TW-10

Tgt Ion:128 Resp: 2018978

Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.0	13.6
127	13.8	10.8	16.2

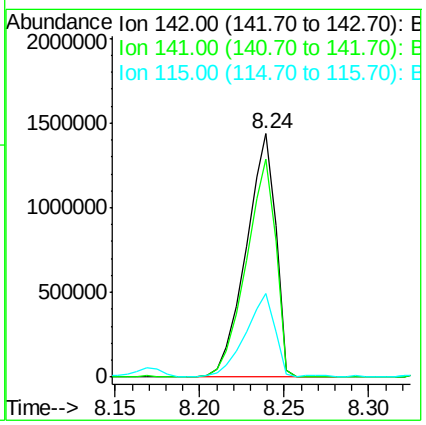


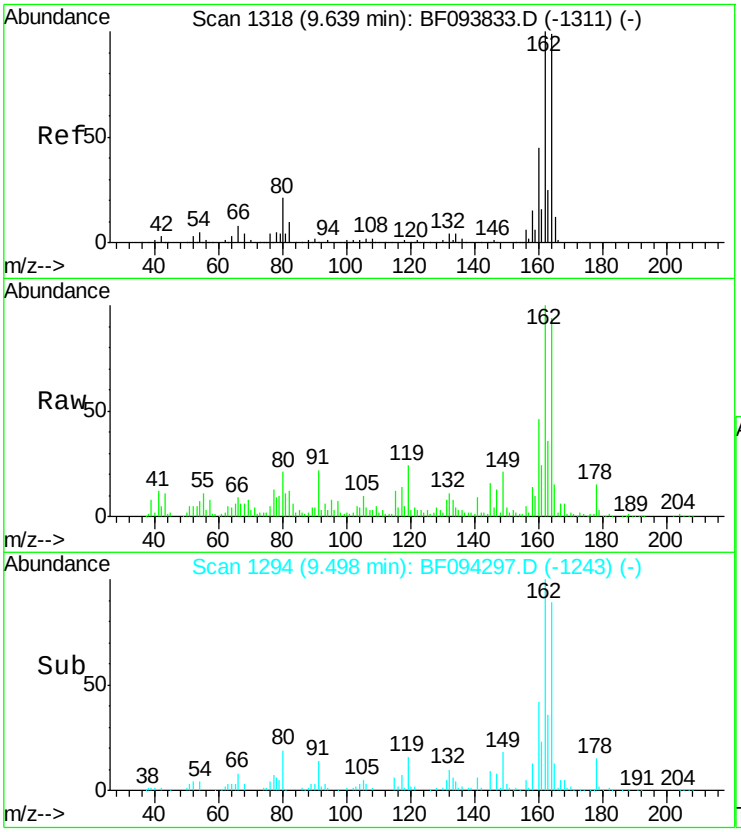


#37
2-Methylnaphthalene
Concen: 120.89 ng
RT: 8.24 min Scan# 1080
Delta R.T. 0.01 min
Lab File: BF094297.D
Acq: 8 Apr 2017 3:55

Tgt Ion:142 Resp: 1754539

Ion	Ratio	Lower	Upper
142	100		
141	89.6	71.3	106.9
115	34.5	27.1	40.7



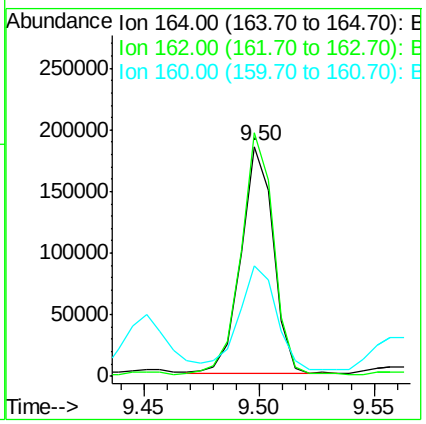


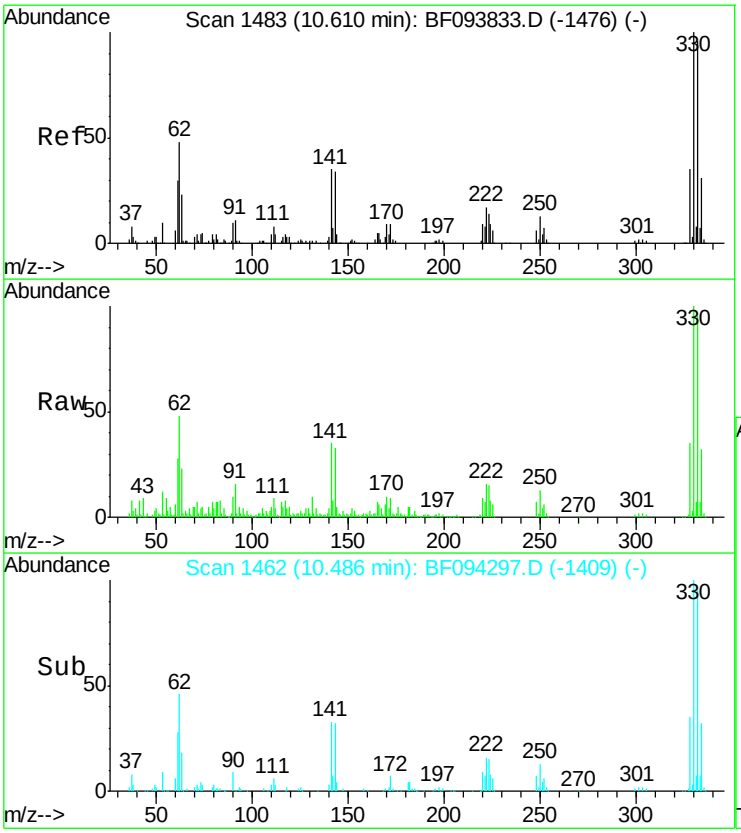
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.50 min Scan# 1294
Delta R.T. -0.00 min
Lab File: BF094297.D
Acq: 8 Apr 2017 3:55

Instrument :
BNA_F
ClientSampleId :
TW-10

Tgt Ion:164 Resp: 177724

Ion	Ratio	Lower	Upper
164	100		
162	106.1	82.6	123.8
160	48.4	36.2	54.2

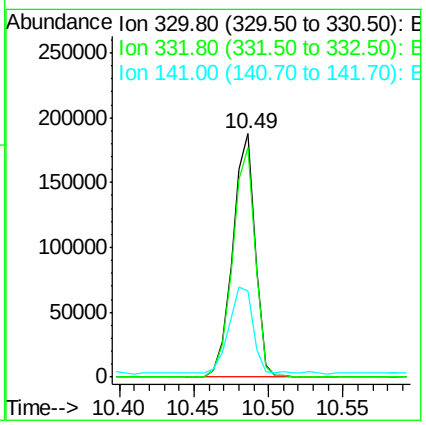


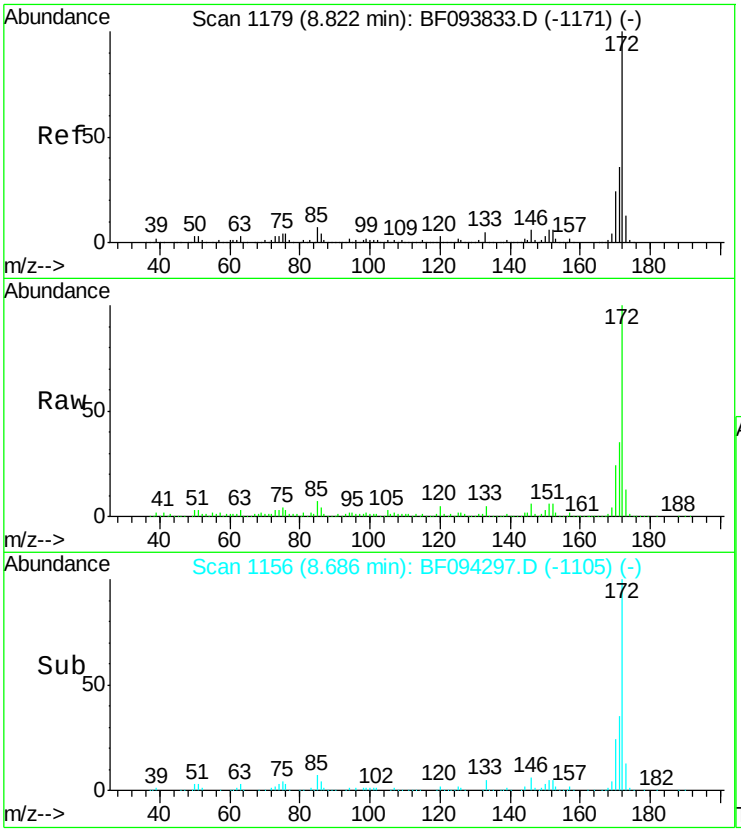


#41
2,4,6-Tribromophenol
Concen: 141.02 ng
RT: 10.49 min Scan# 1462
Delta R.T. 0.01 min
Lab File: BF094297.D
Acq: 8 Apr 2017 3:55

Tgt Ion:330 Resp: 198045

Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.6	115.0
141	37.7	31.4	47.2



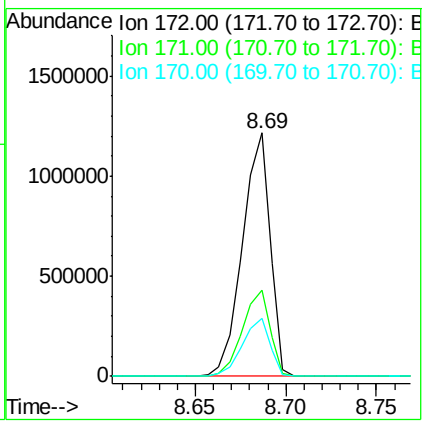


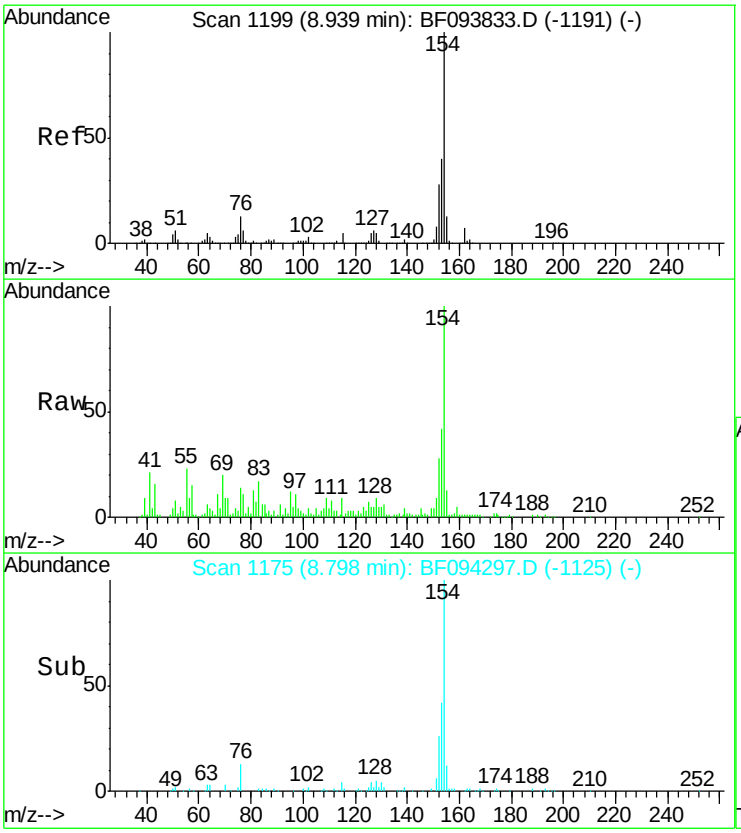
#44
2-Fluorobiphenyl
Concen: 110.54 ng
RT: 8.69 min Scan# 1156
Delta R.T. -0.00 min
Lab File: BF094297.D
Acq: 8 Apr 2017 3:55

Instrument :
BNA_F
ClientSampleId :
TW-10

Tgt Ion:172 Resp: 1288004

Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.6	44.4
170	23.8	19.8	29.8

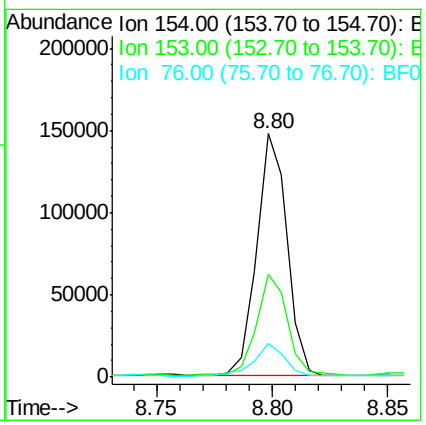


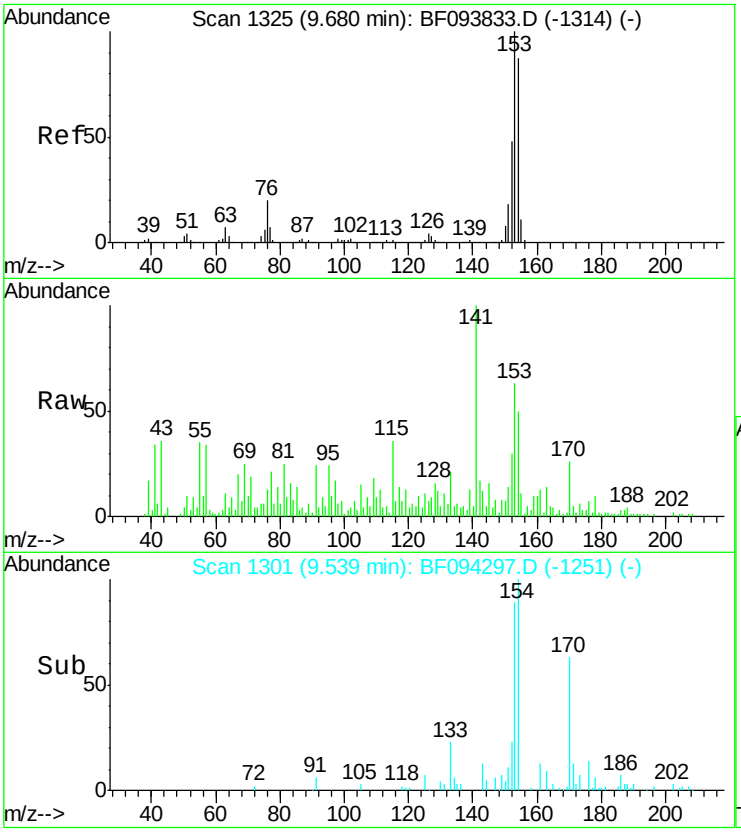


#45
1,1'-Biphenyl
Concen: 9.39 ng
RT: 8.80 min Scan# 1175
Delta R.T. -0.01 min
Lab File: BF094297.D
Acq: 8 Apr 2017 3:55

Tgt Ion:154 Resp: 134655

Ion	Ratio	Lower	Upper
154	100		
153	42.3	21.2	61.2
76	13.6	0.0	29.9



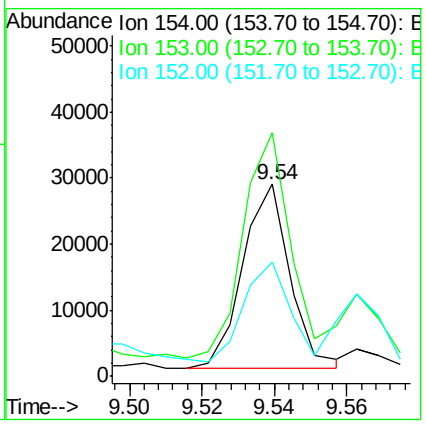


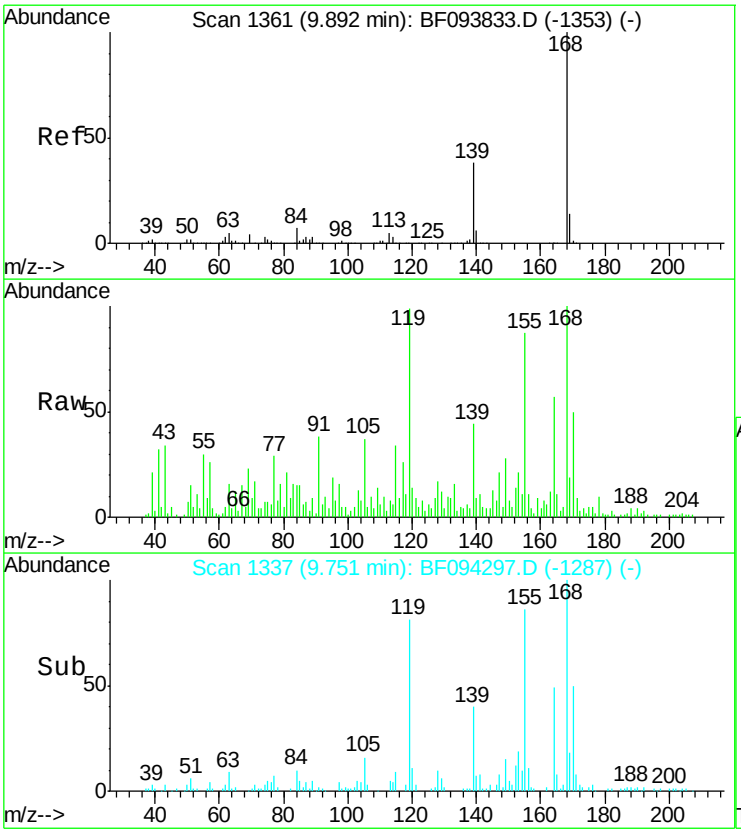
#51
Acenaphthene
Concen: 2.32 ng
RT: 9.54 min Scan# 1301
Delta R.T. -0.01 min
Lab File: BF094297.D
Acq: 8 Apr 2017 3:55

Instrument :
BNA_F
ClientSampleId :
TW-10

Tgt Ion:154 Resp: 25204

Ion	Ratio	Lower	Upper
154	100		
153	126.6	90.5	135.7
152	59.6	43.6	65.4

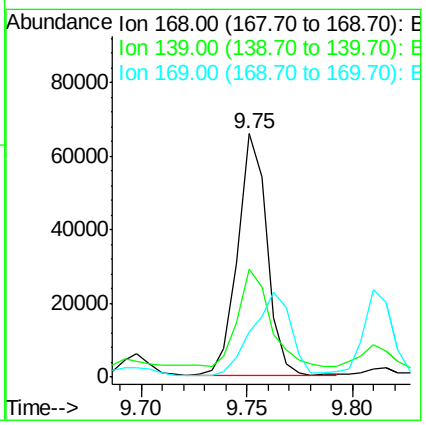


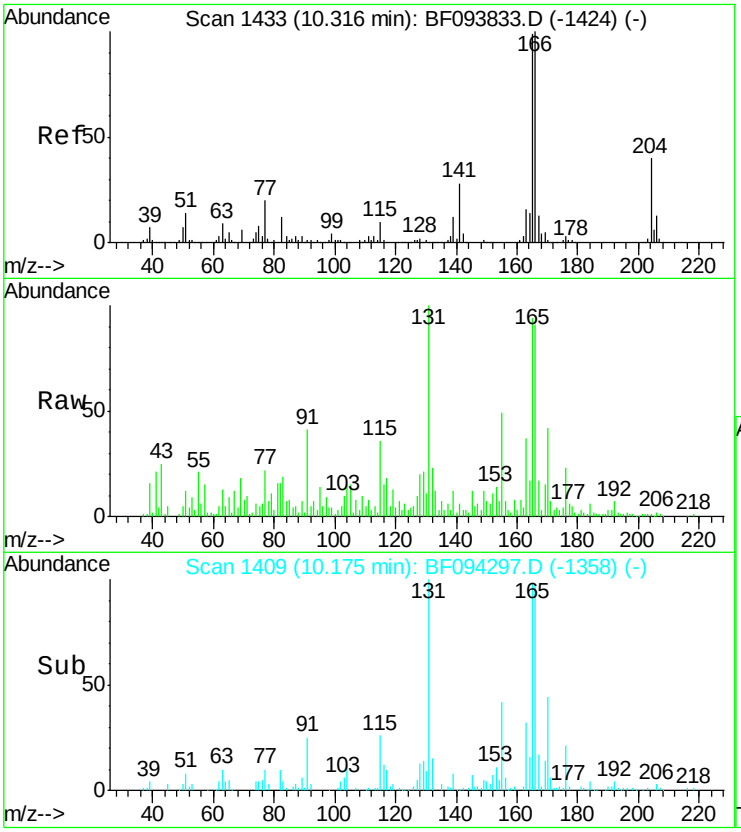


#54
Dibenzofuran
Concen: 4.26 ng
RT: 9.75 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF094297.D
Acq: 8 Apr 2017 3:55

Tgt Ion:168 Resp: 63041

Ion	Ratio	Lower	Upper
168	100		
139	44.3	30.6	45.8
169	18.6	10.8	16.2#



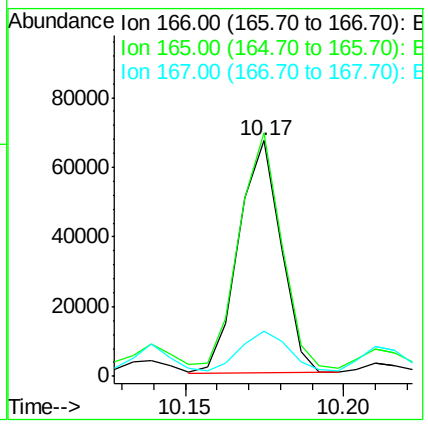


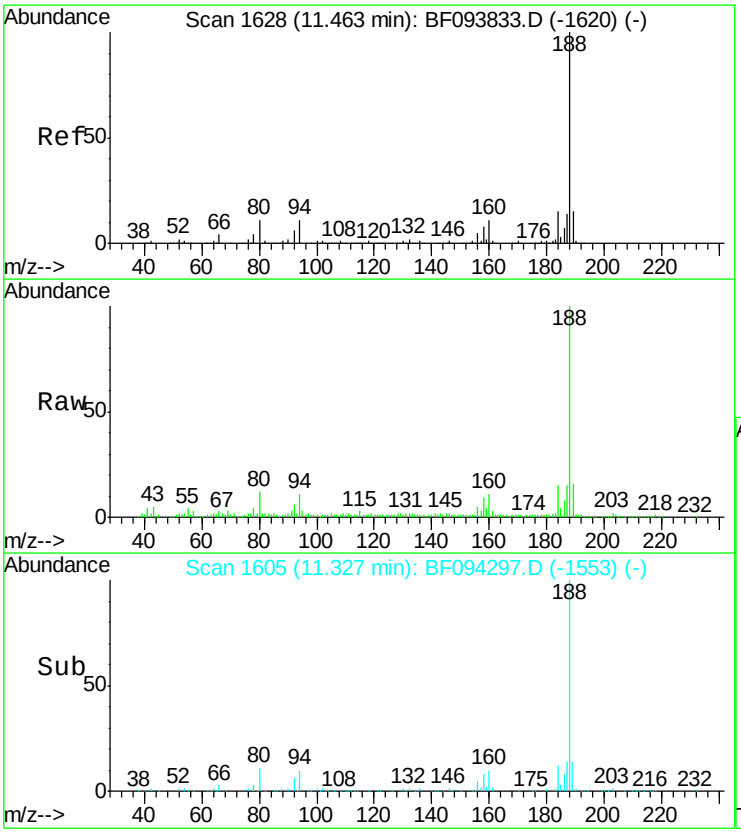
#57
Fluorene
Concen: 5.02 ng
RT: 10.17 min Scan# 1409
Delta R.T. -0.00 min
Lab File: BF094297.D
Acq: 8 Apr 2017 3:55

Instrument :
BNA_F
ClientSampleId :
TW-10

Tgt Ion:166 Resp: 61678

Ion	Ratio	Lower	Upper
166	100		
165	103.2	78.8	118.2
167	19.1	10.6	16.0#

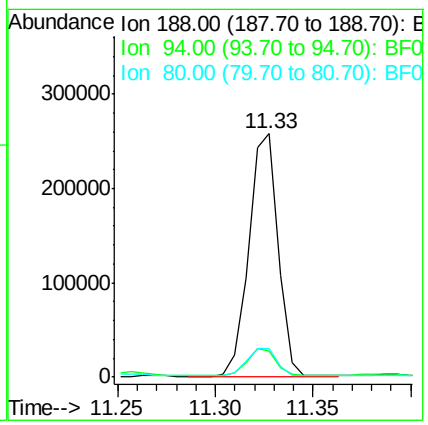


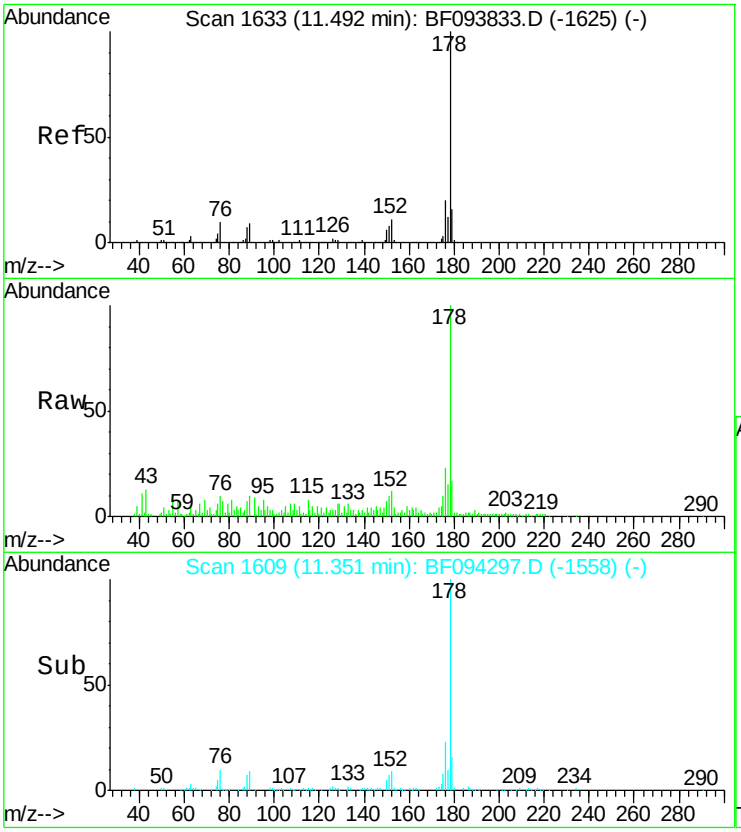


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 1605
Delta R.T. 0.01 min
Lab File: BF094297.D
Acq: 8 Apr 2017 3:55

Tgt Ion:188 Resp: 264880

Ion	Ratio	Lower	Upper
188	100		
94	10.6	9.4	14.2
80	11.5	10.2	15.2



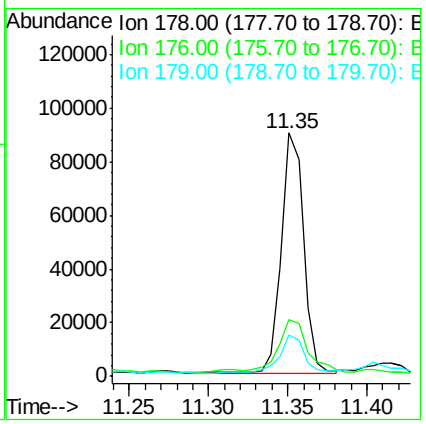


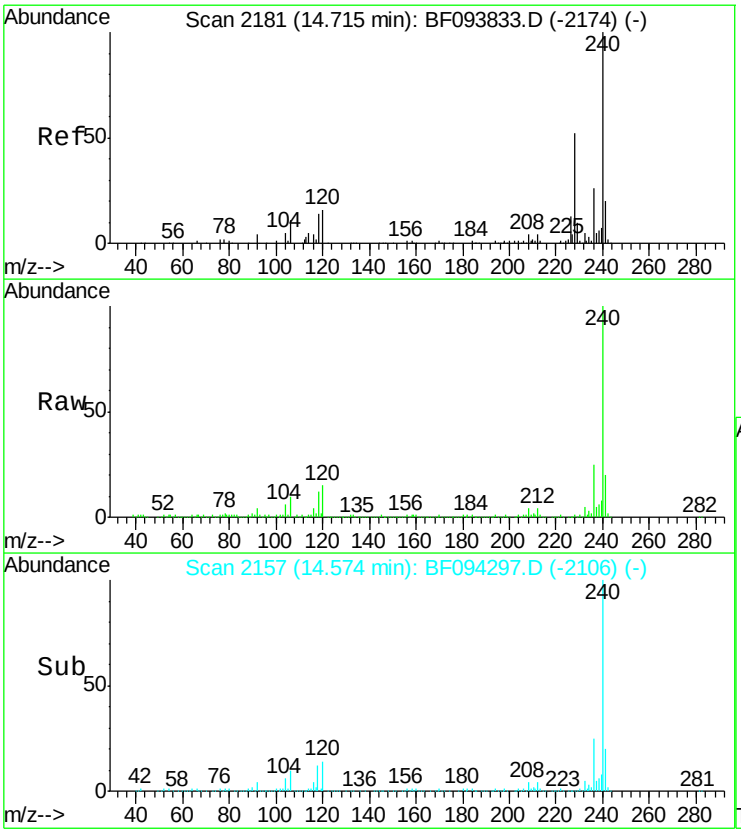
#70
Phenanthrene
Concen: 5.97 ng
RT: 11.35 min Scan# 1609
Delta R.T. -0.00 min
Lab File: BF094297.D
Acq: 8 Apr 2017 3:55

Instrument :
BNA_F
ClientSampleId :
TW-10

Tgt Ion:178 Resp: 87935

Ion	Ratio	Lower	Upper
178	100		
176	23.5	16.2	24.4
179	16.8	12.6	19.0

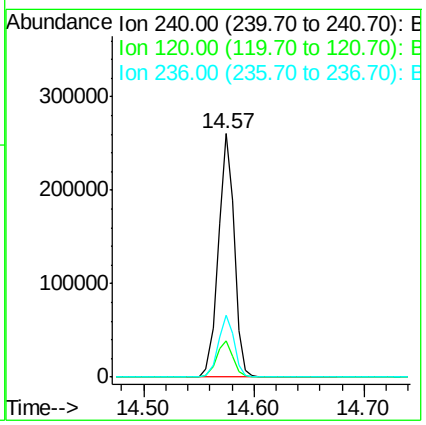


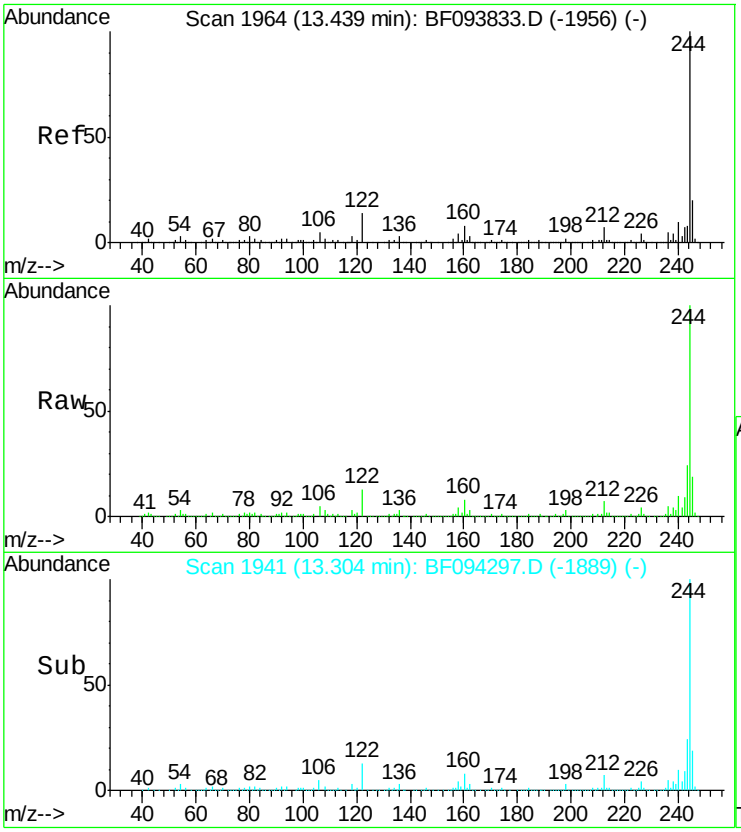


#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.57 min Scan# 2157
Delta R.T. -0.00 min
Lab File: BF094297.D
Acq: 8 Apr 2017 3:55

Tgt Ion:240 Resp: 261870

Ion	Ratio	Lower	Upper
240	100		
120	14.7	5.8	8.8#
236	25.3	20.5	30.7



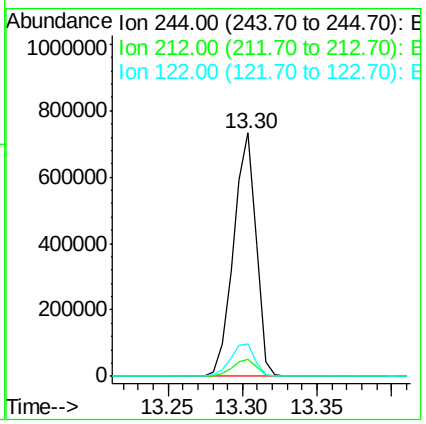


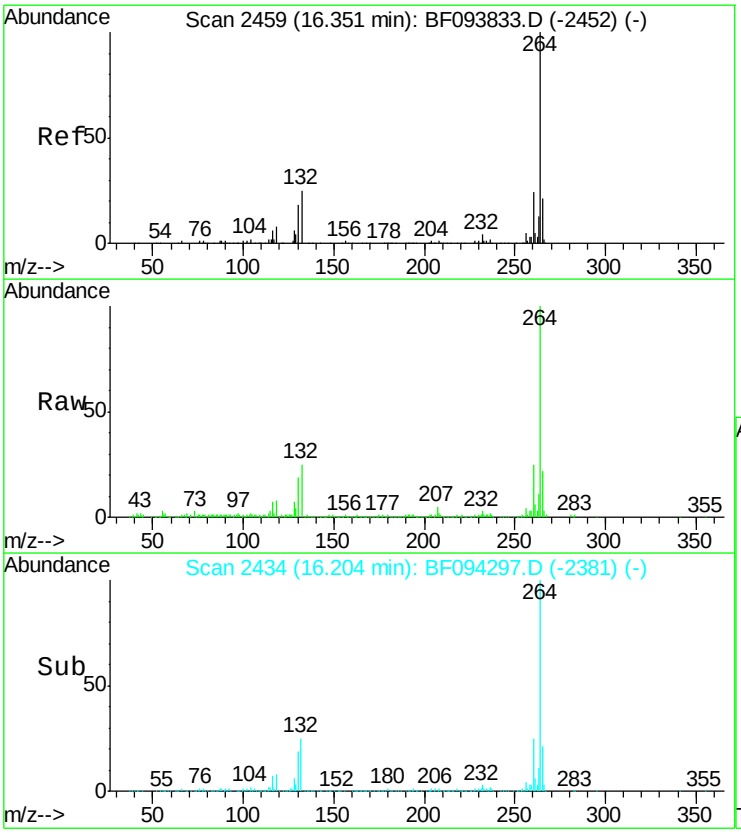
#78
Terphenyl-d14
Concen: 66.54 ng
RT: 13.30 min Scan# 1941
Delta R.T. 0.01 min
Lab File: BF094297.D
Acq: 8 Apr 2017 3:55

Instrument :
BNA_F
ClientSampleId :
TW-10

Tgt Ion:244 Resp: 777339

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	13.4	10.3	15.5





#86
Perylene-d12
Concen: 20.00 ng
RT: 16.20 min Scan# 2434
Delta R.T. 0.01 min
Lab File: BF094297.D
Acq: 8 Apr 2017 3:55

Tgt Ion:264 Resp: 210740

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	21.6	17.2	25.8