Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF122215\
Data File : BF084020.D
Acq On : 23 Dec 2015 6:08
Operator : UM/SJ
Sample : G4916-12
Misc :
ALS Vial : 29 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 20151218MGP222BRV64

Quant Time: Dec 23 06:52:12 2015
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF122215.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 22 18:54:09 2015
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	72235	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	286873	20.00	ng	0.00
38) Acenaphthene-d10	9.87	164	86476	20.00	ng	0.00
63) Phenanthrene-d10	11.36	188	168263	20.00	ng	0.00
75) Chrysene-d12	13.99	240	159925	20.00	ng	-0.01
86) Perylene-d12	15.43	264	126265	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	132671	31.32	ng	0.01
7) Phenol-d6	6.48	99	173397	34.81	ng	0.00
23) Nitrobenzene-d5	7.39	82	406646	87.08	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	126772	152.41	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	587211	91.39	ng	0.00
78) Terphenyl-d14	12.93	244	567289	84.59	ng	0.00
Target Compounds						Qvalue
17) 2-Methylphenol	7.09	107	19512	5.02	ng	96
27) 2,4-Dimethylphenol	7.78	122	44364	9.83	ng	94
31) Naphthalene	8.13	128	837127	57.12	ng	99
37) 2-Methylnaphthalene	8.83	142	160997	16.96	ng	99
45) 1,1'-Biphenyl	9.29	154	37623	4.92	ng	98
48) Acenaphthylene	9.73	152	83110	9.54	ng	98
51) Acenaphthene	9.90	154	77730	15.00	ng	98
57) Fluorene	10.42	166	65269	10.62	ng	97
70) Phenanthrene	11.38	178	82914	8.72	ng	99

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

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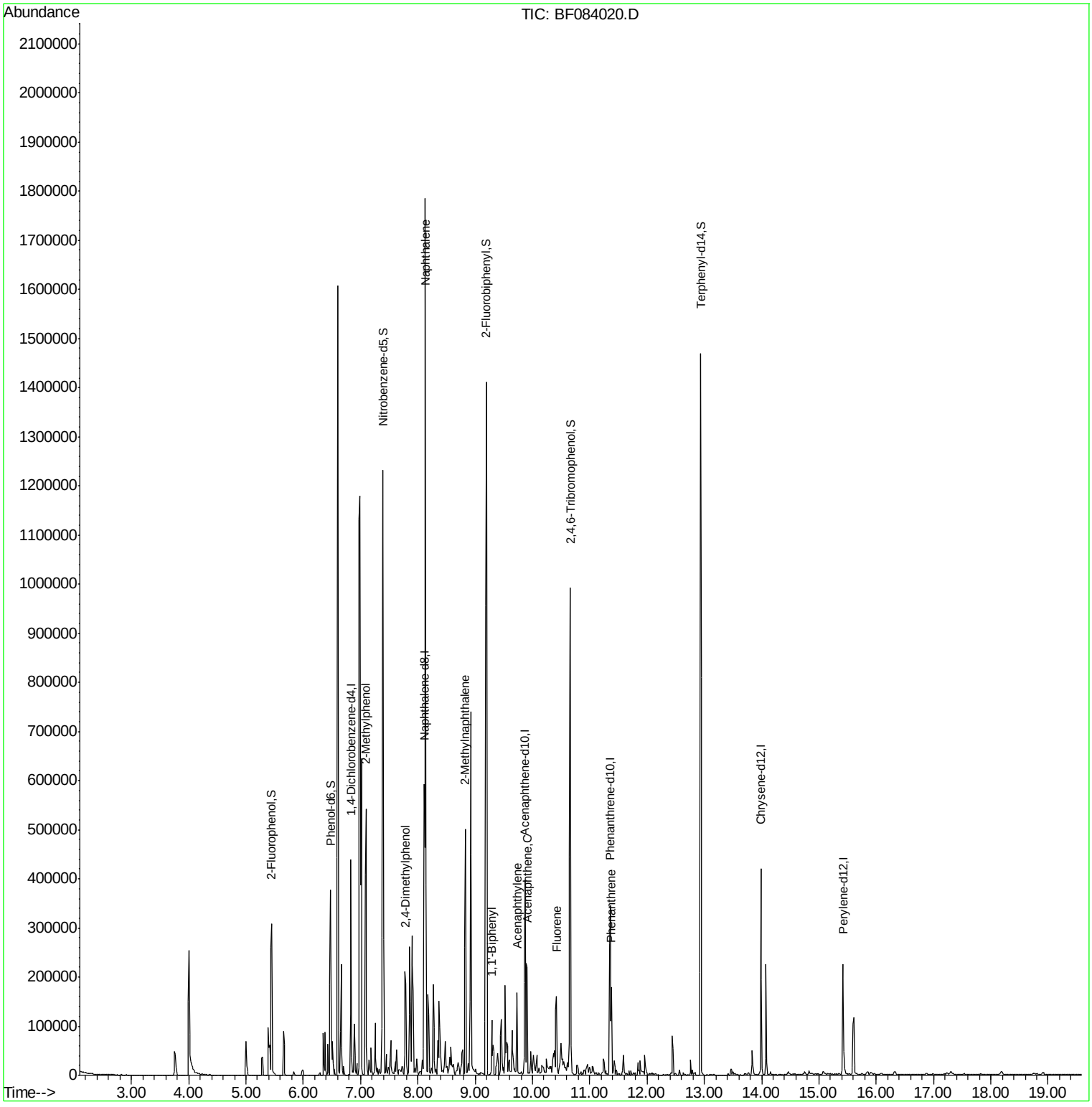
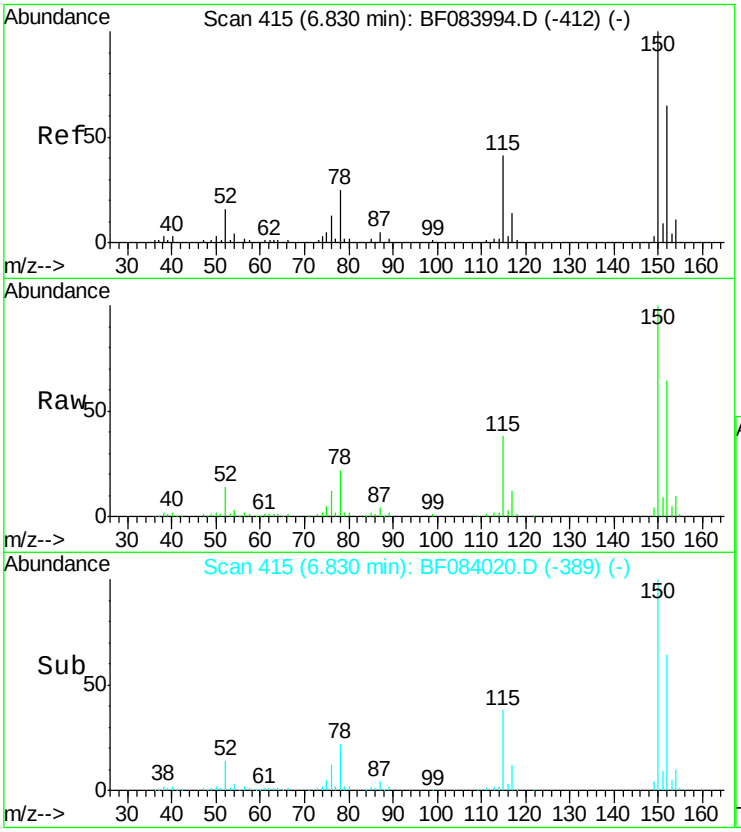


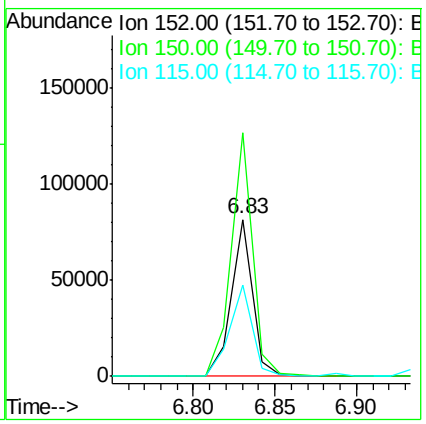


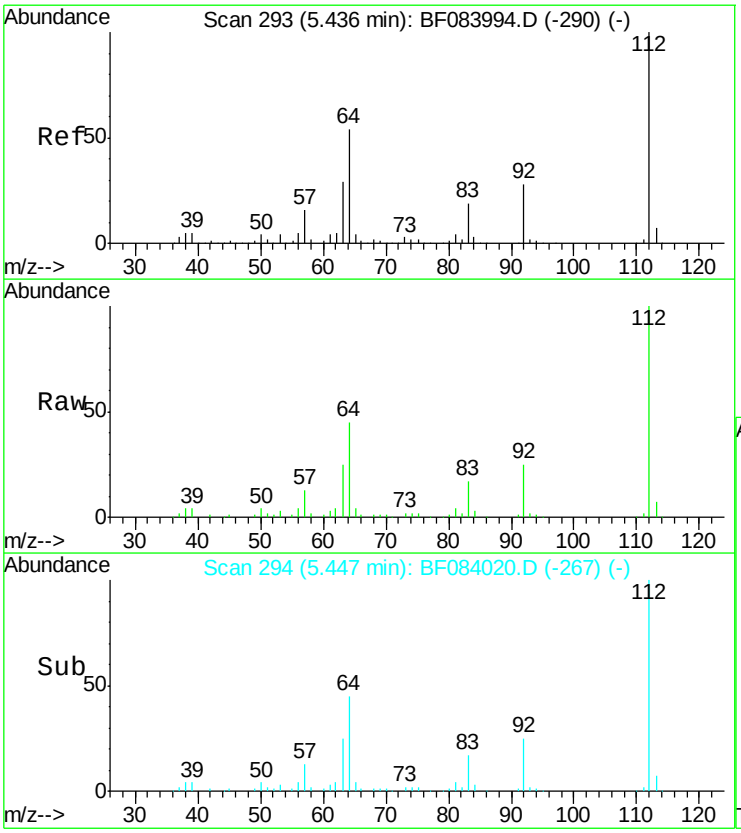
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.83 min Scan# 415
Delta R.T. -0.00 min
Lab File: BF084020.D
Acq: 23 Dec 2015 6:08

Instrument :
BNA_F
ClientSampleId :
20151218MGP222BRV64

Tgt Ion:152 Resp: 72235

Ion	Ratio	Lower	Upper
152	100		
150	155.3	123.0	184.4
115	58.6	51.4	77.2

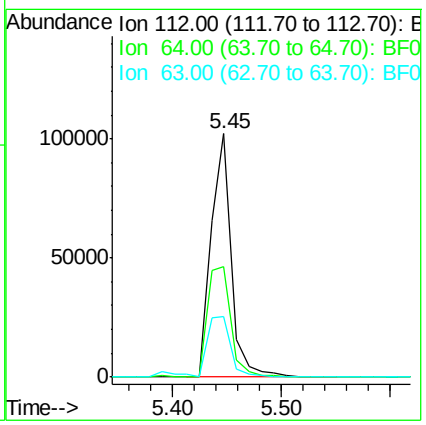


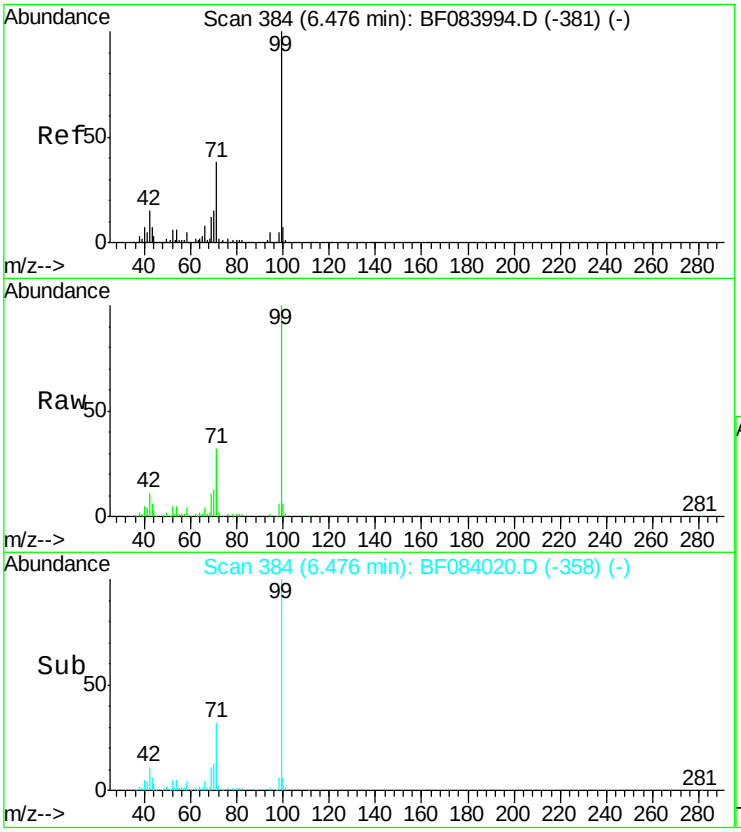


#5
2-Fluorophenol
Concen: 31.32 ng
RT: 5.45 min Scan# 294
Delta R.T. 0.01 min
Lab File: BF084020.D
Acq: 23 Dec 2015 6:08

Tgt Ion:112 Resp: 132671

Ion	Ratio	Lower	Upper
112	100		
64	45.4	36.6	55.0
63	24.9	19.4	29.0



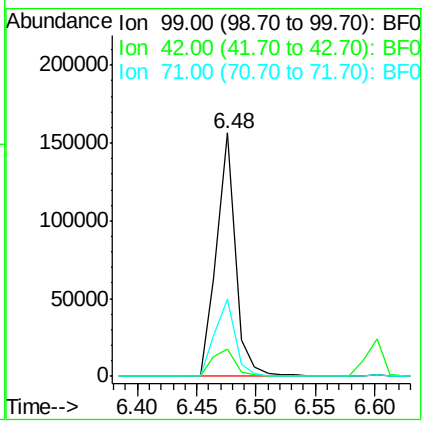


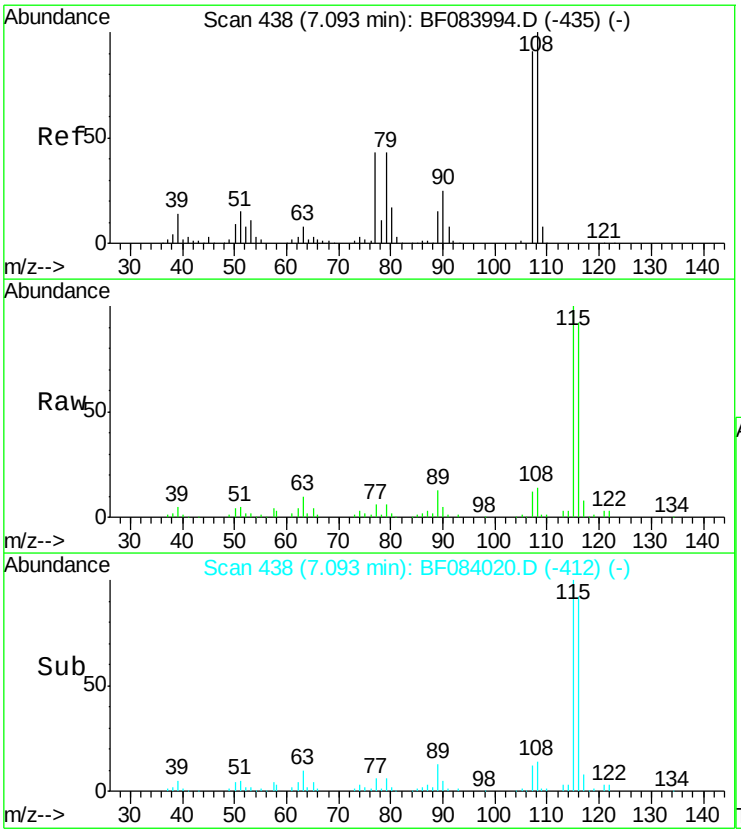
#7
Phenol-d6
Concen: 34.81 ng
RT: 6.48 min Scan# 384
Delta R.T. -0.00 min
Lab File: BF084020.D
Acq: 23 Dec 2015 6:08

Instrument :
BNA_F
ClientSampleId :
20151218MGP222BRV64

Tgt Ion: 99 Resp: 173397

Ion	Ratio	Lower	Upper
99	100		
42	11.4	12.8	19.2#
71	31.8	30.9	46.3

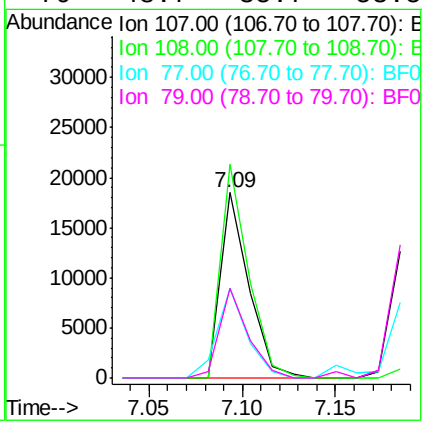


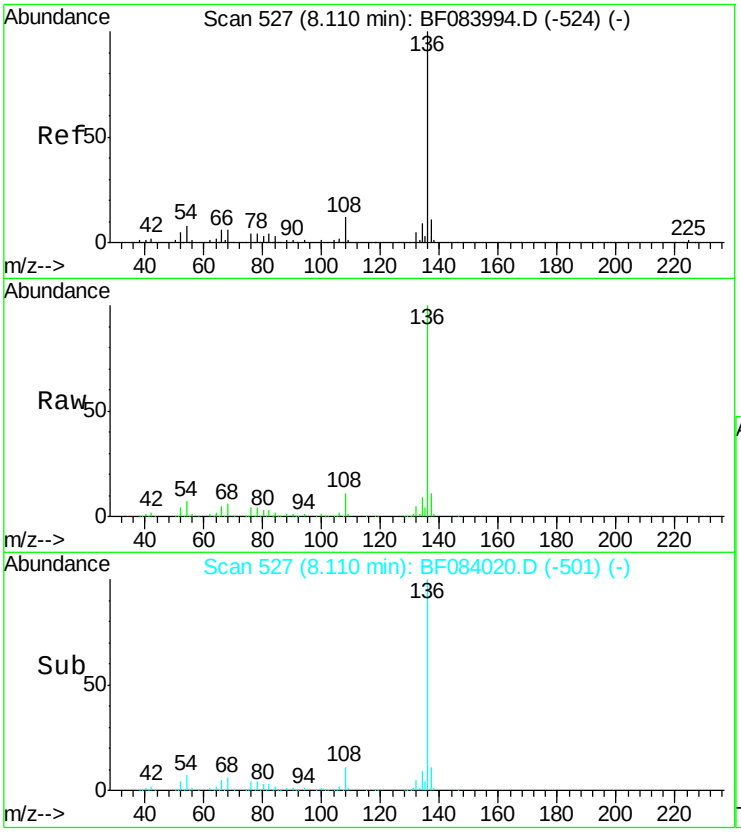


#17
2-Methylphenol
Concen: 5.02 ng
RT: 7.09 min Scan# 438
Delta R.T. -0.00 min
Lab File: BF084020.D
Acq: 23 Dec 2015 6:08

Tgt Ion:107 Resp: 19512

Ion	Ratio	Lower	Upper
107	100		
108	115.5	89.8	134.6
77	48.6	35.7	53.5
79	48.7	35.7	53.5



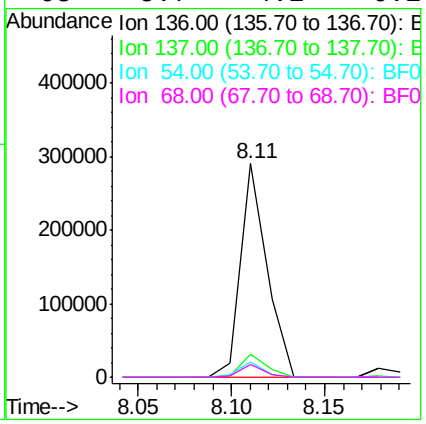


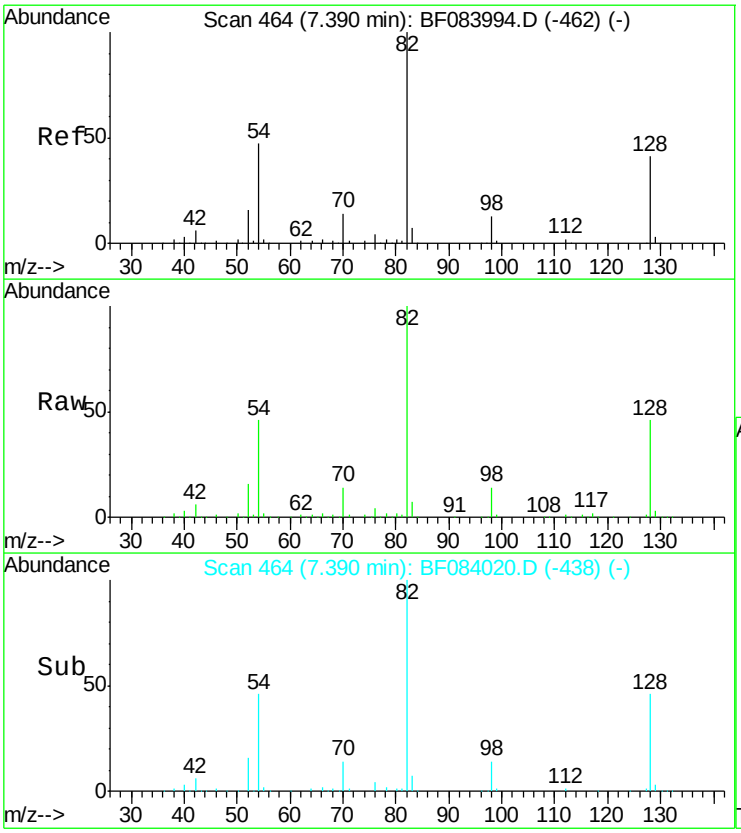
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.11 min Scan# 527
Delta R.T. -0.00 min
Lab File: BF084020.D
Acq: 23 Dec 2015 6:08

Instrument :
BNA_F
ClientSampleId :
20151218MGP222BRV64

Tgt Ion:136 Resp: 286873

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.7	13.1
54	7.1	5.8	8.8
68	5.7	4.2	6.2

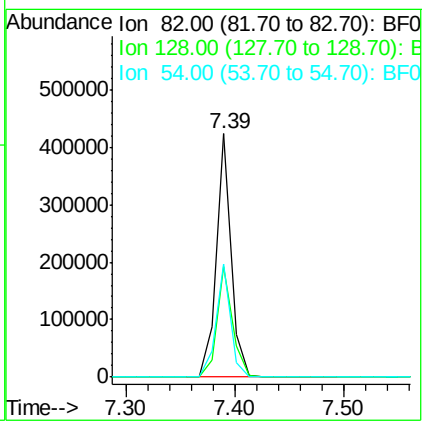


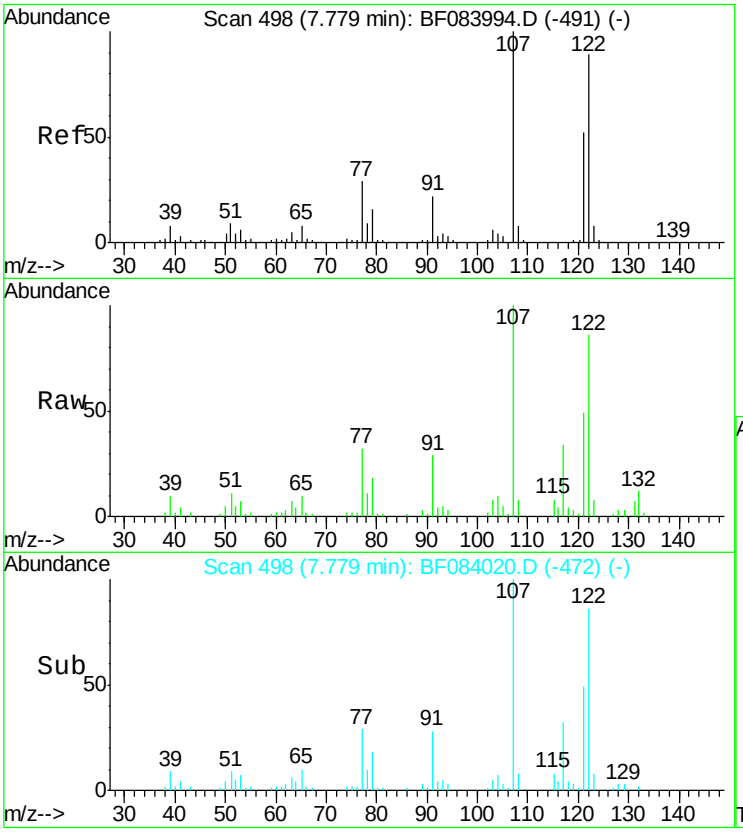


#23
Nitrobenzene-d5
Concen: 87.08 ng
RT: 7.39 min Scan# 464
Delta R.T. -0.00 min
Lab File: BF084020.D
Acq: 23 Dec 2015 6:08

Tgt Ion: 82 Resp: 406646

Ion	Ratio	Lower	Upper
82	100		
128	45.5	34.6	51.8
54	46.3	38.4	57.6



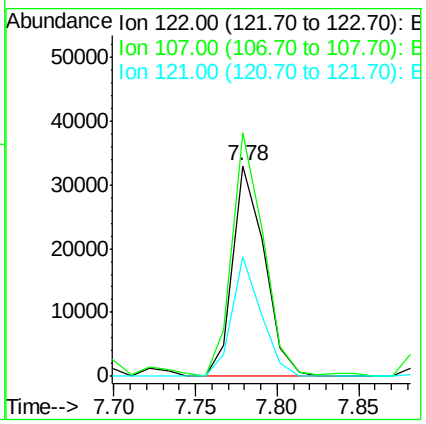


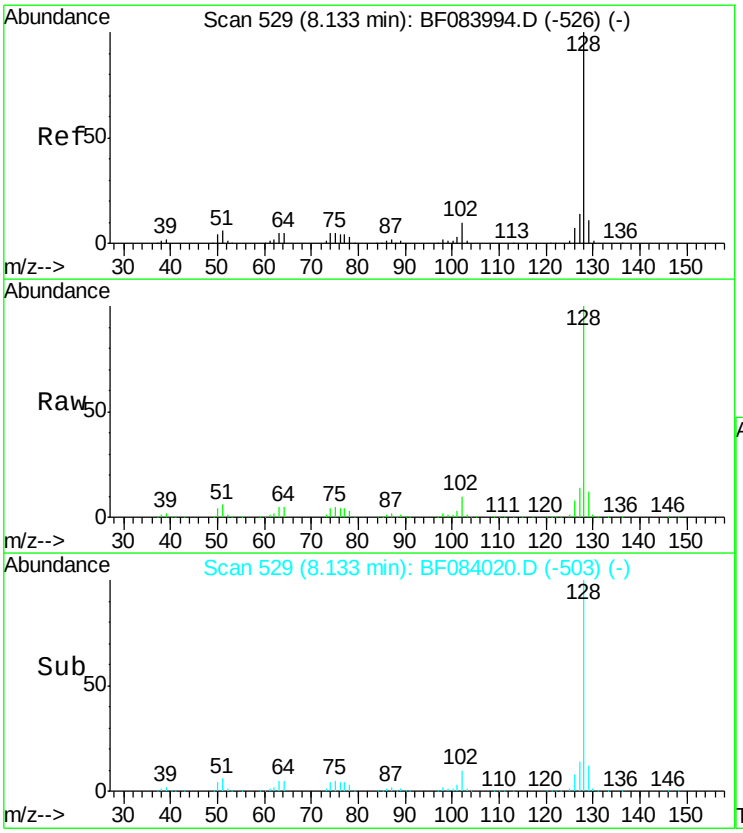
#27
2,4-Dimethylphenol
Concen: 9.83 ng
RT: 7.78 min Scan# 498
Delta R.T. -0.00 min
Lab File: BF084020.D
Acq: 23 Dec 2015 6:08

Instrument :
BNA_F
ClientSampleId :
20151218MGP222BRV64

Tgt Ion:122 Resp: 44364

Ion	Ratio	Lower	Upper
122	100		
107	115.6	99.1	148.7
121	56.6	47.9	71.9

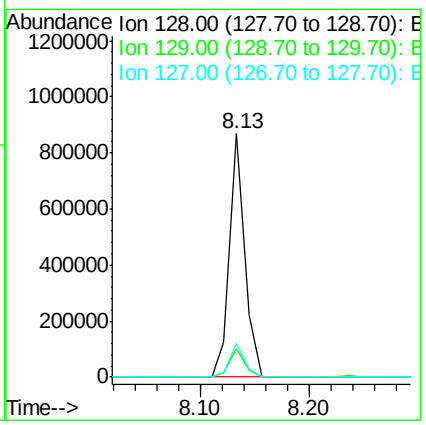


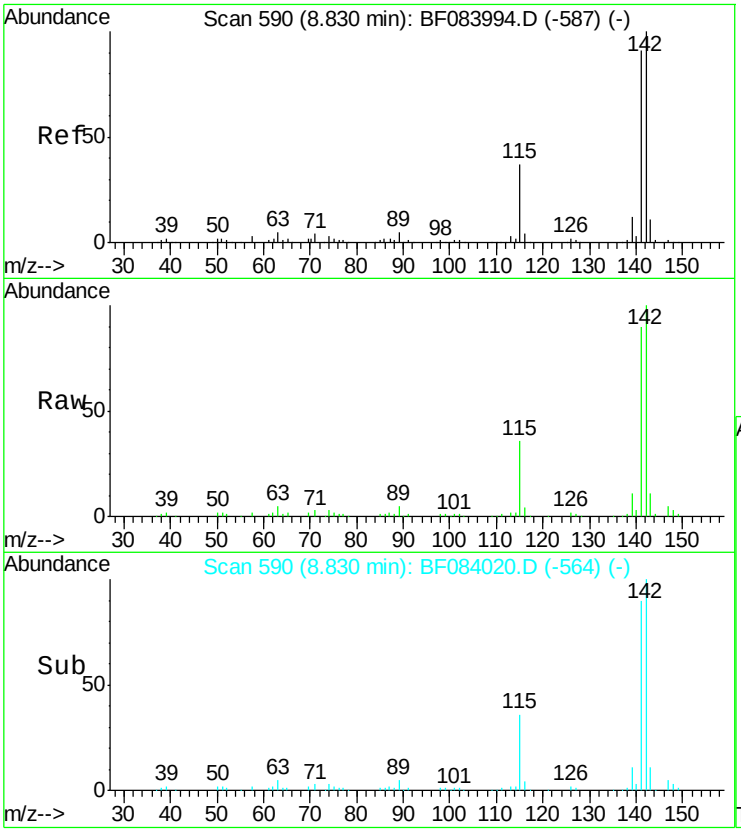


#31
Naphthalene
Concen: 57.12 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.00 min
Lab File: BF084020.D
Acq: 23 Dec 2015 6:08

Tgt Ion:128 Resp: 837127

Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.1	13.7
127	14.1	11.1	16.7



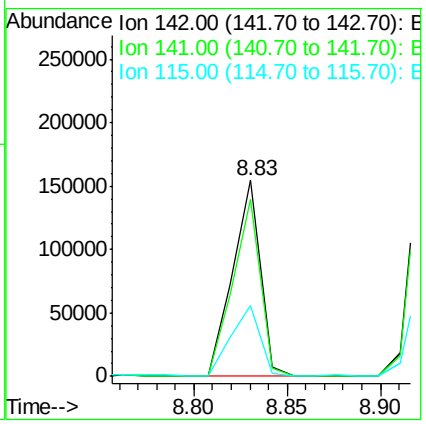


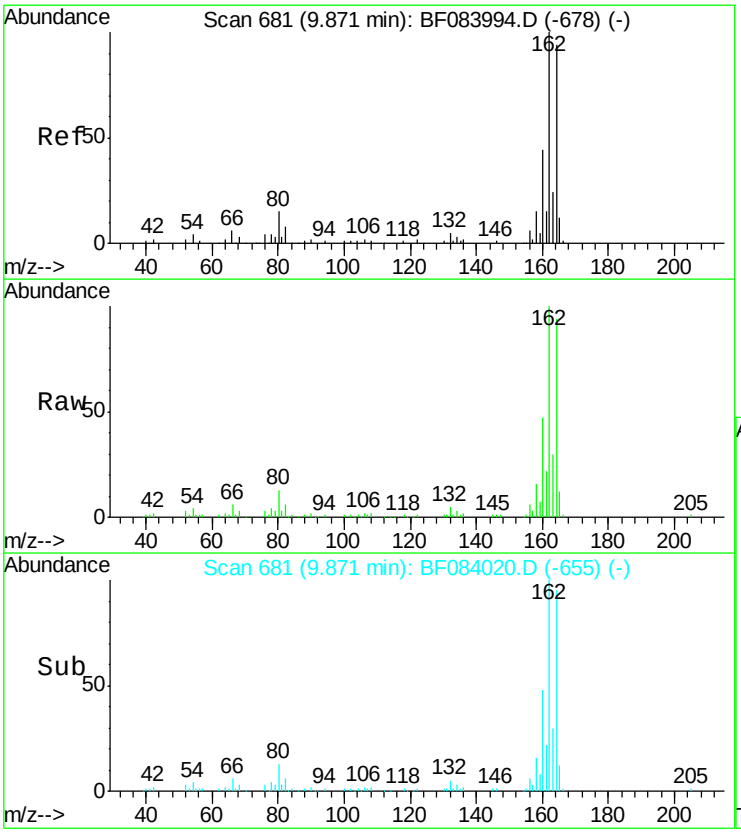
#37
2-Methylnaphthalene
Concen: 16.96 ng
RT: 8.83 min Scan# 590
Delta R.T. -0.00 min
Lab File: BF084020.D
Acq: 23 Dec 2015 6:08

Instrument :
BNA_F
ClientSampleId :
20151218MGP222BRV64

Tgt Ion:142 Resp: 160997

Ion	Ratio	Lower	Upper
142	100		
141	90.4	72.4	108.6
115	36.1	27.9	41.9

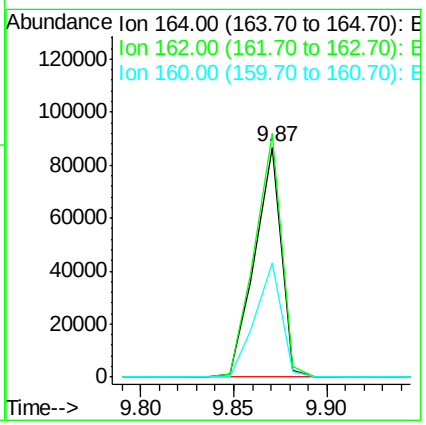


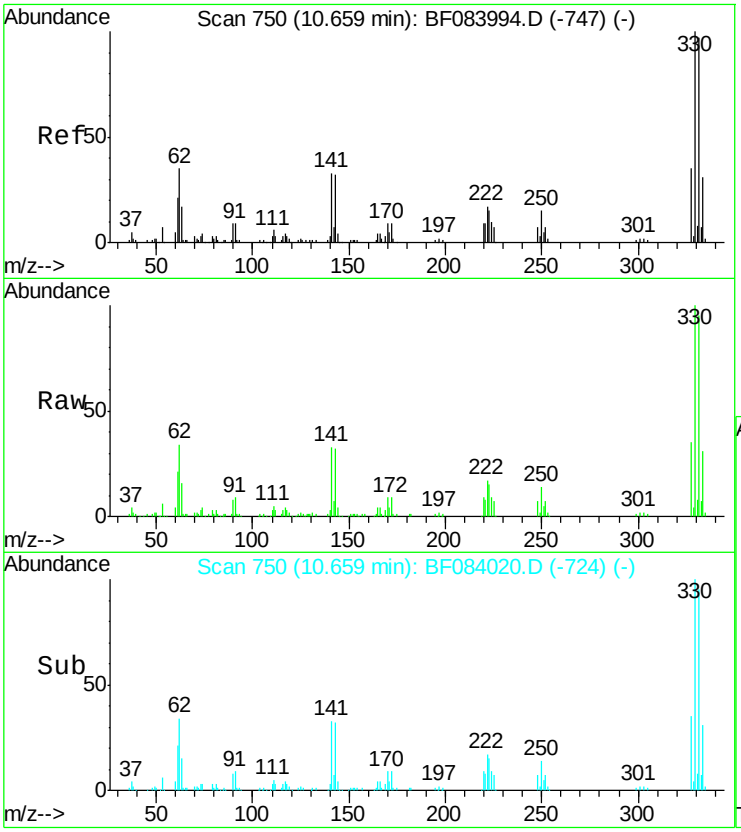


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.87 min Scan# 681
Delta R.T. -0.00 min
Lab File: BF084020.D
Acq: 23 Dec 2015 6:08

Tgt Ion:164 Resp: 86476

Ion	Ratio	Lower	Upper
164	100		
162	106.0	85.1	127.7
160	49.9	37.5	56.3



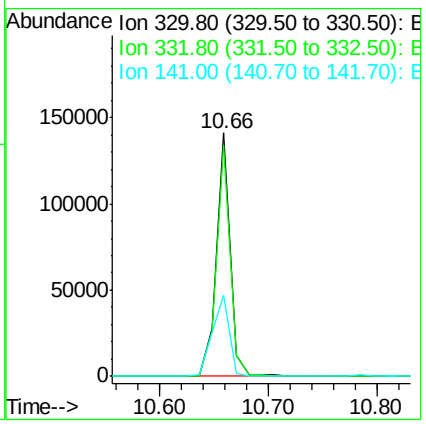


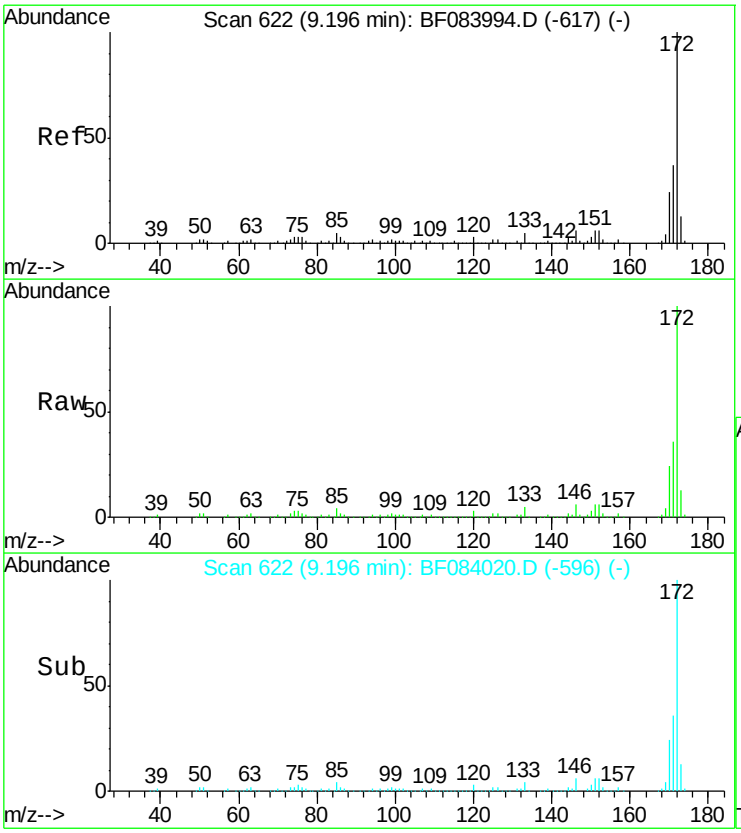
#41
2,4,6-Tribromophenol
Concen: 152.41 ng
RT: 10.66 min Scan# 750
Delta R.T. -0.00 min
Lab File: BF084020.D
Acq: 23 Dec 2015 6:08

Instrument :
BNA_F
ClientSampleId :
20151218MGP222BRV64

Tgt Ion:330 Resp: 126772

Ion	Ratio	Lower	Upper
330	100		
332	95.4	76.6	114.8
141	41.0	27.8	41.6

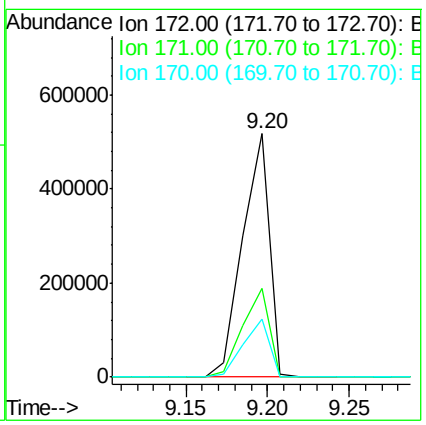


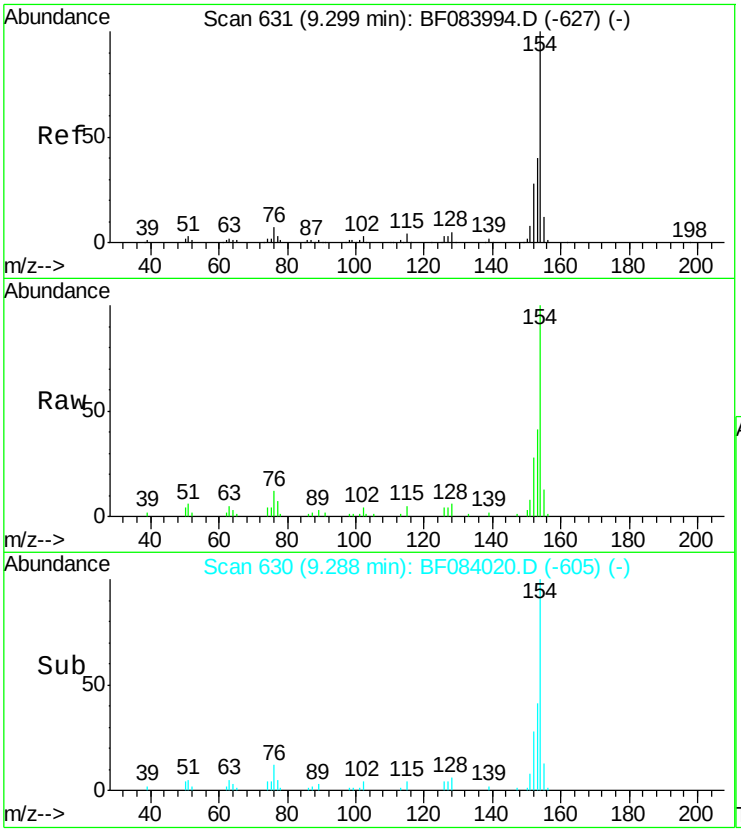


#44
2-Fluorobiphenyl
Concen: 91.39 ng
RT: 9.20 min Scan# 622
Delta R.T. 0.00 min
Lab File: BF084020.D
Acq: 23 Dec 2015 6:08

Tgt Ion:172 Resp: 587211

Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.9	43.3
170	23.8	18.6	27.8



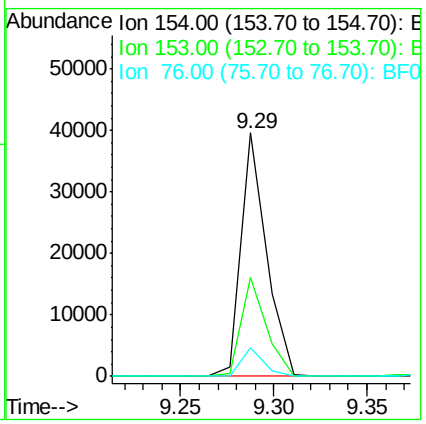


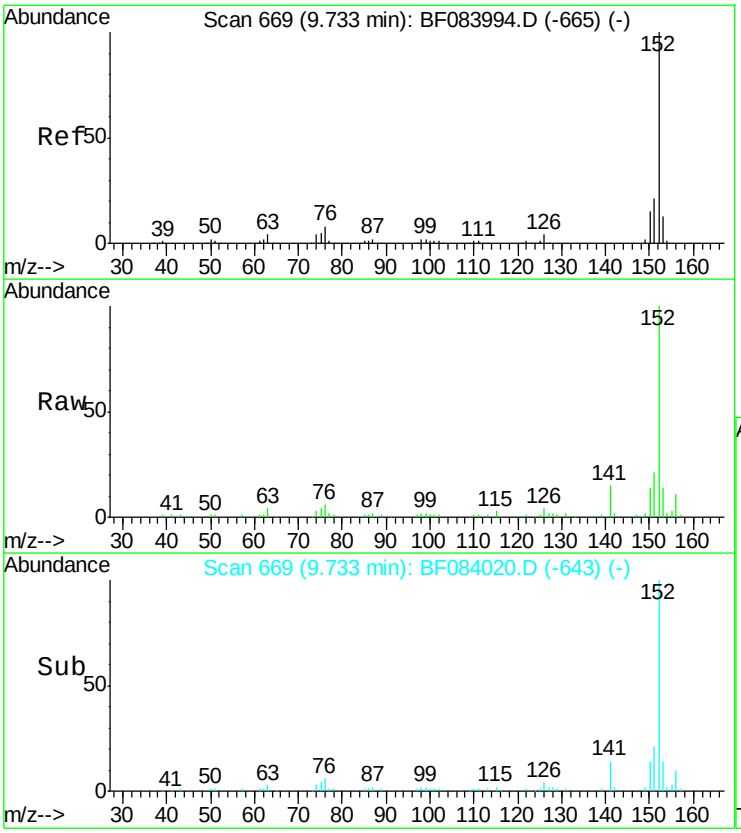
#45
1,1'-Biphenyl
Concen: 4.92 ng
RT: 9.29 min Scan# 630
Delta R.T. -0.01 min
Lab File: BF084020.D
Acq: 23 Dec 2015 6:08

Instrument :
BNA_F
ClientSampleId :
20151218MGP222BRV64

Tgt Ion:154 Resp: 37623

Ion	Ratio	Lower	Upper
154	100		
153	40.6	21.6	61.6
76	11.5	0.0	32.7

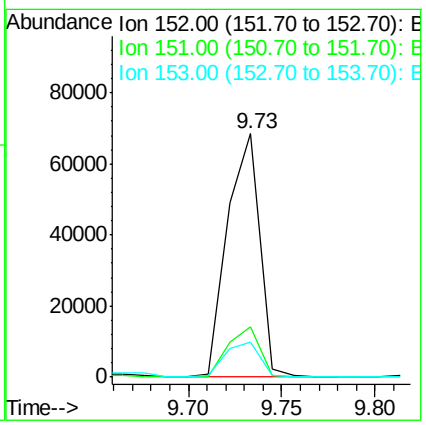


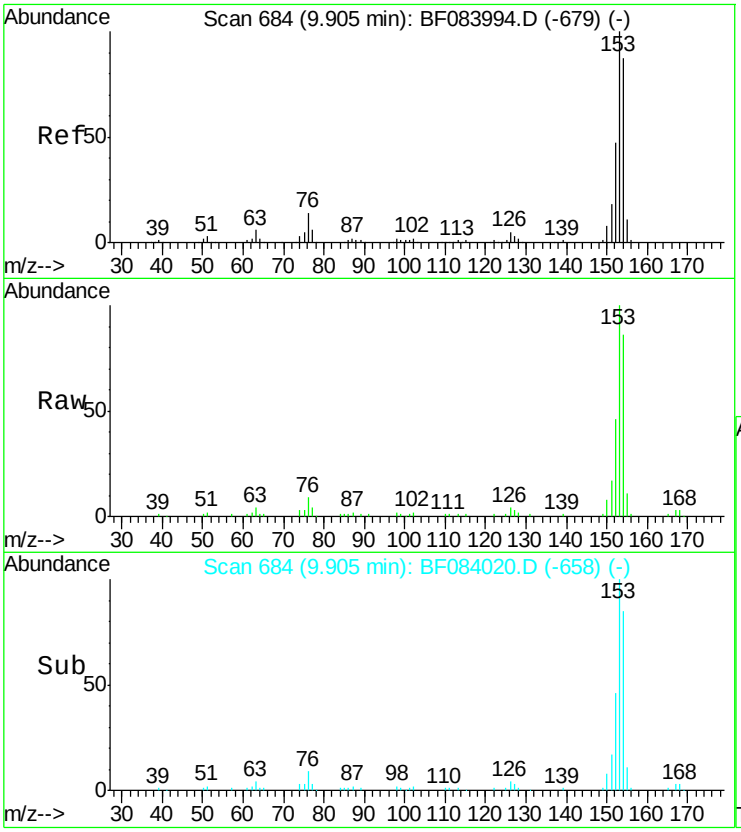


#48
Acenaphthylene
Concen: 9.54 ng
RT: 9.73 min Scan# 669
Delta R.T. -0.00 min
Lab File: BF084020.D
Acq: 23 Dec 2015 6:08

Tgt Ion:152 Resp: 83110

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.3	24.5
153	14.2	10.4	15.6



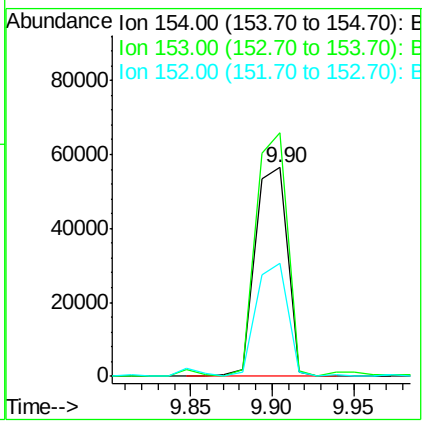


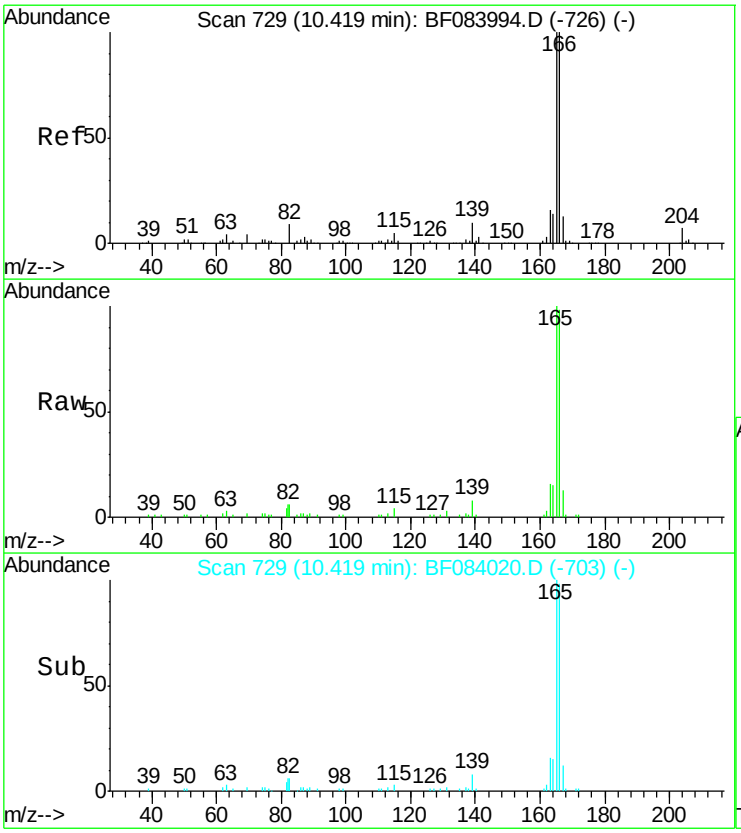
#51
Acenaphthene
Concen: 15.00 ng
RT: 9.90 min Scan# 684
Delta R.T. -0.00 min
Lab File: BF084020.D
Acq: 23 Dec 2015 6:08

Instrument :
BNA_F
ClientSampleId :
20151218MGP222BRV64

Tgt Ion:154 Resp: 77730

Ion	Ratio	Lower	Upper
154	100		
153	116.8	91.5	137.3
152	54.1	43.0	64.6

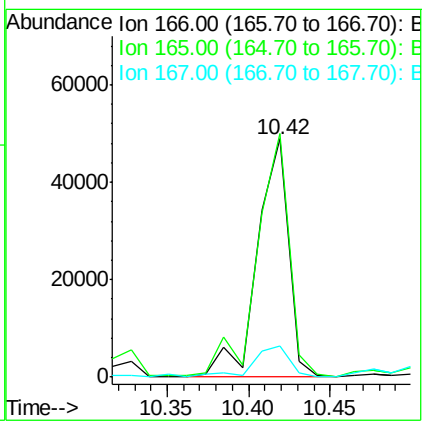


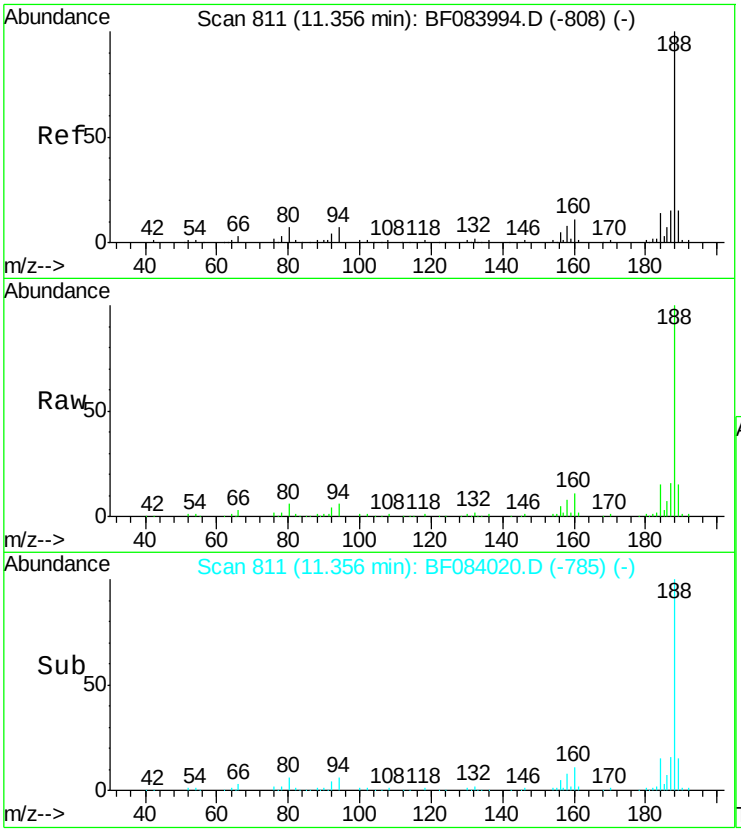


#57
Fluorene
Concen: 10.62 ng
RT: 10.42 min Scan# 729
Delta R.T. -0.00 min
Lab File: BF084020.D
Acq: 23 Dec 2015 6:08

Tgt Ion:166 Resp: 65269

Ion	Ratio	Lower	Upper
166	100		
165	102.2	79.1	118.7
167	13.3	10.4	15.6



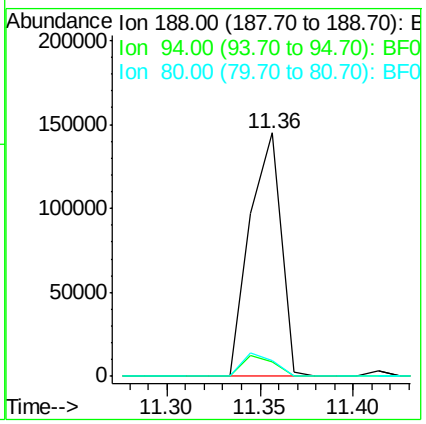


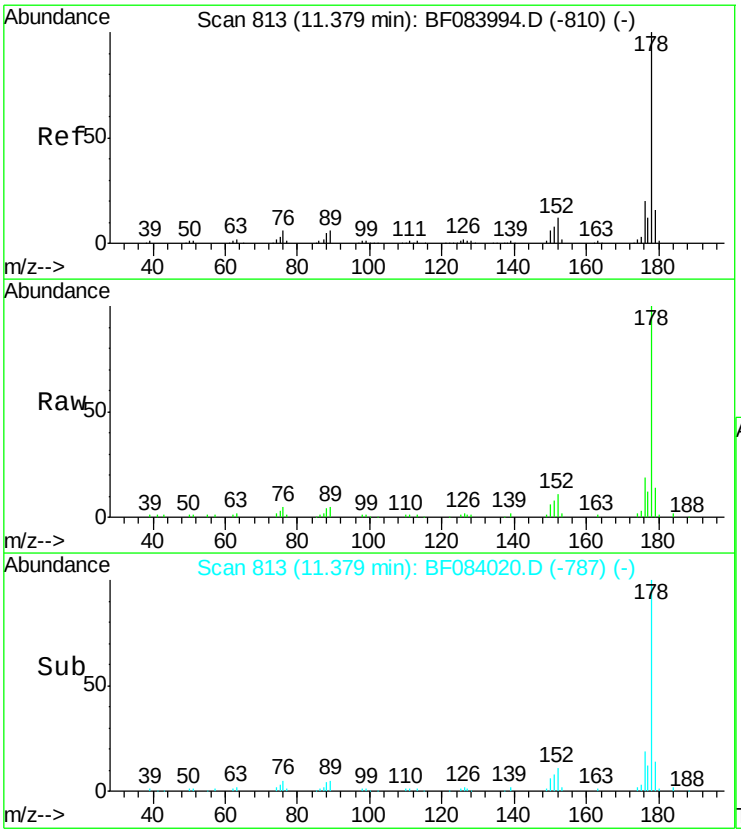
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.00 min
Lab File: BF084020.D
Acq: 23 Dec 2015 6:08

Instrument :
BNA_F
ClientSampleId :
20151218MGP222BRV64

Tgt Ion:188 Resp: 168263

Ion	Ratio	Lower	Upper
188	100		
94	6.0	9.0	13.4#
80	6.3	9.6	14.4#

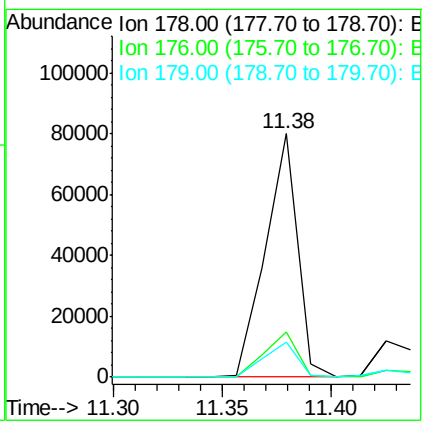


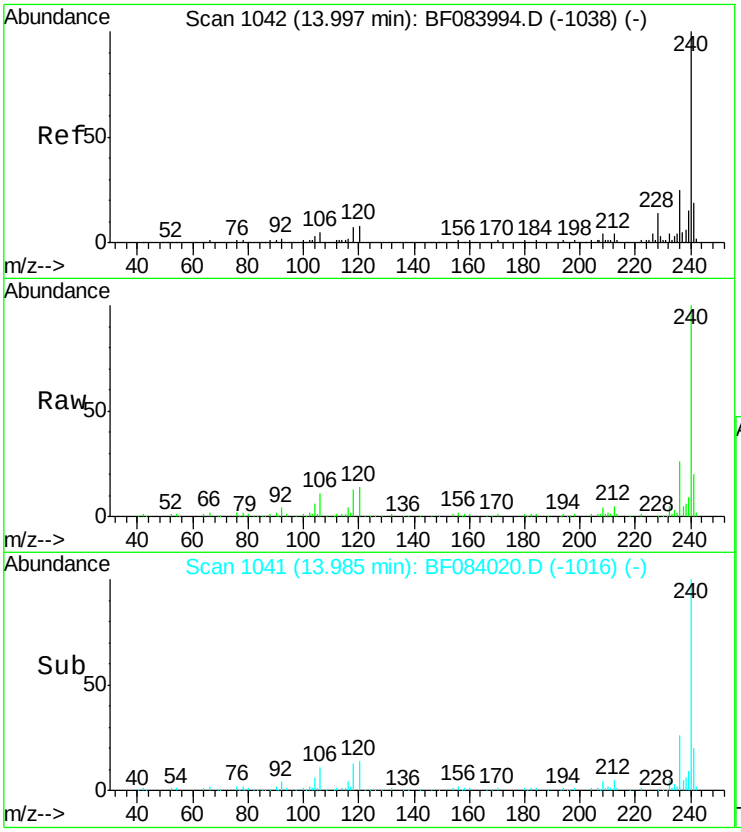


#70
Phenanthrene
Concen: 8.72 ng
RT: 11.38 min Scan# 813
Delta R.T. -0.00 min
Lab File: BF084020.D
Acq: 23 Dec 2015 6:08

Tgt Ion:178 Resp: 82914

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.3	22.9
179	14.3	12.0	18.0



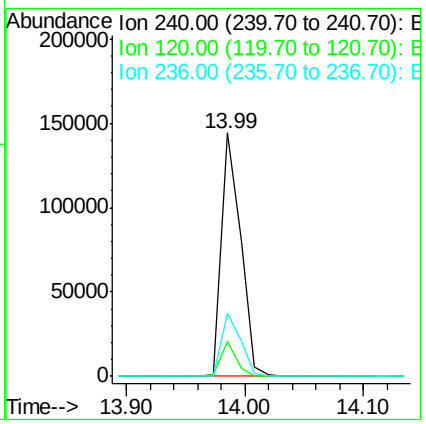


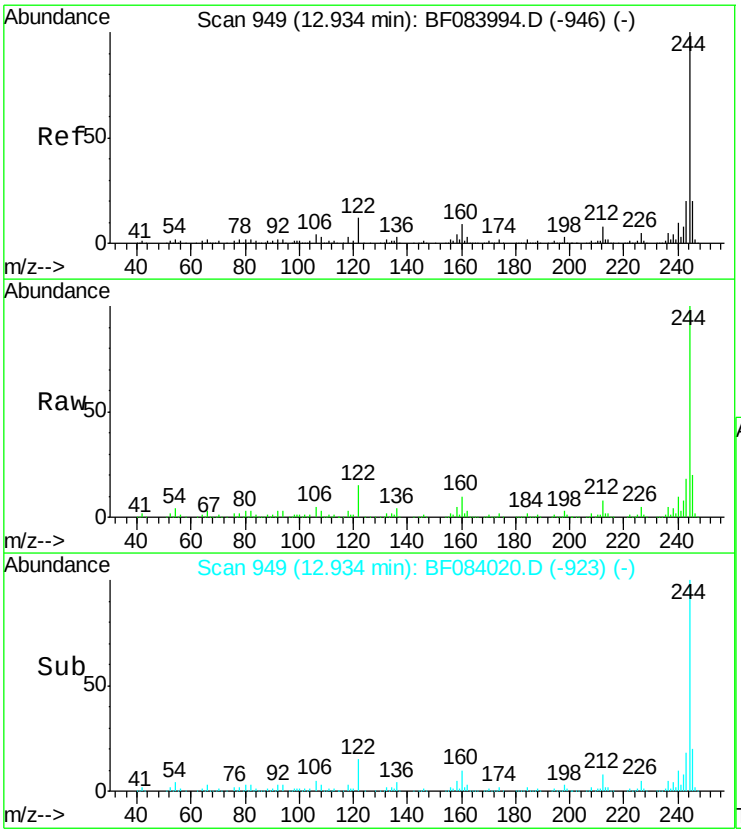
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BF084020.D
Acq: 23 Dec 2015 6:08

Instrument :
BNA_F
ClientSampleId :
20151218MGP222BRV64

Tgt Ion:240 Resp: 159925

Ion	Ratio	Lower	Upper
240	100		
120	14.4	9.5	14.3#
236	26.0	20.6	31.0

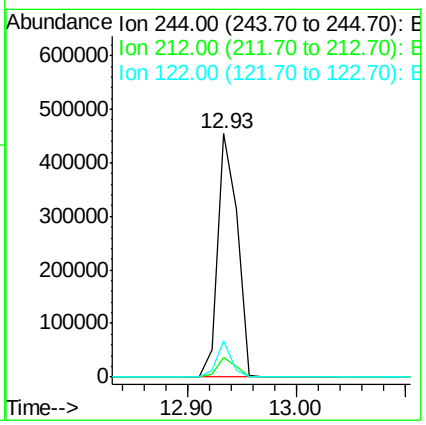


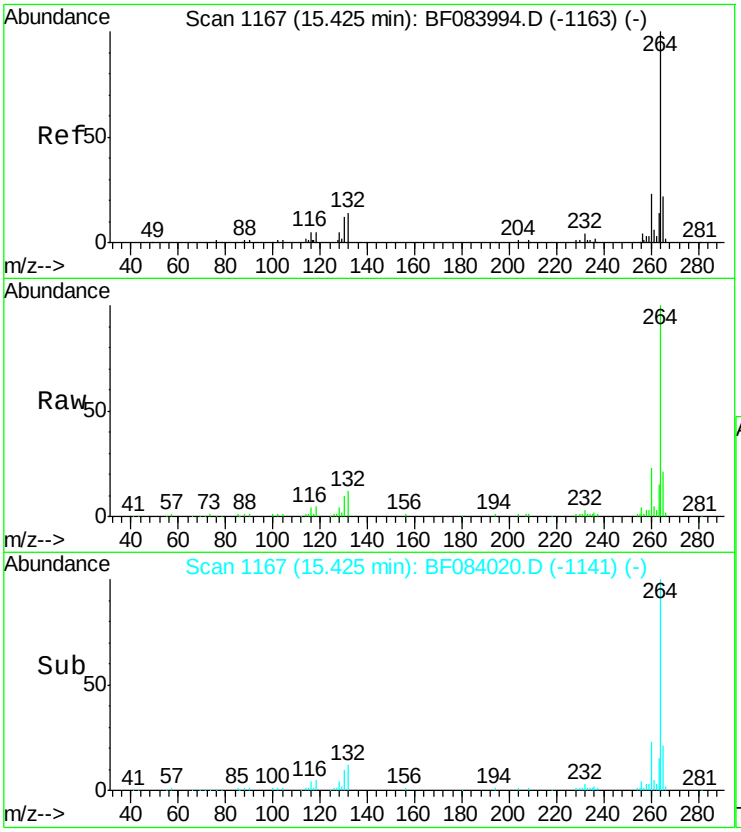


#78
Terphenyl-d14
Concen: 84.59 ng
RT: 12.93 min Scan# 949
Delta R.T. -0.00 min
Lab File: BF084020.D
Acq: 23 Dec 2015 6:08

Tgt Ion:244 Resp: 567289

Ion	Ratio	Lower	Upper
244	100		
212	7.9	5.7	8.5
122	14.6	7.4	11.0#





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.43 min Scan# 1167
Delta R.T. -0.00 min
Lab File: BF084020.D
Acq: 23 Dec 2015 6:08

Instrument :
BNA_F
ClientSampleId :
20151218MGP222BRV64

Tgt Ion:264 Resp: 126265

Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.4	29.2
265	21.2	17.8	26.6