Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061316\
Data File : BF087994.D
Acq On : 13 Jun 2016 20:34
Operator : UM/SJ
Sample : H3437-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : U6-B1(0-6)C

Manual Integrations APPROVED
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Quant Time: Jun 14 03:24:40 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jun 13 14:10:49 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	119651	20.00	ng		0.01
21) Naphthalene-d8	8.08	136	442150	20.00	ng		0.00
38) Acenaphthene-d10	9.84	164	207953	20.00	ng		0.00
63) Phenanthrene-d10	11.32	188	329996	20.00	ng		0.01
75) Chrysene-d12	13.95	240	227836	20.00	ng		0.00
86) Perylene-d12	15.37	264	188505	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.39	112	763819	109.13	ng		0.01
7) Phenol-d6	6.44	99	1123093	132.41	ng		0.01
23) Nitrobenzene-d5	7.36	82	659809	87.14	ng		0.00
41) 2,4,6-Tribromophenol	10.63	330	175427	79.89	ng		0.00
44) 2-Fluorobiphenyl	9.16	172	825570	60.79	ng		0.00
78) Terphenyl-d14	12.91	244	576493	57.58	ng		0.01
Target Compounds							Qvalue
20) 3+4-Methylphenols	7.21	107	16137	2.06	ng	#	72
49) Dimethylphthalate	9.56	163	253172	16.81	ng		98
51) Acenaphthene	9.87	154	43683	3.27	ng		99
54) Dibenzofuran	10.04	168	37864	2.06	ng	#	97
70) Phenanthrene	11.35	178	636159	36.74	ng		99
71) Anthracene	11.39	178	158026	9.05	ng		98
74) Fluoranthene	12.55	202	516354	28.26	ng		97
77) Pyrene	12.77	202	563734	33.34	ng		99
80) Benzo(a)anthracene	13.94	228	244991	18.87	ng		98
82) Chrysene	13.99	228	208951	17.11	ng		98
83) Bis(2-ethylhexyl)phthalate	13.95	149	116630	12.82	ng	#	96
85) Indeno(1,2,3-cd)pyrene	16.73	276	80591	7.10	ng	#	100
87) Benzo(b)fluoranthene	14.97	252	206200m	15.69	ng		
88) Benzo(k)fluoranthene	14.98	252	79978m	8.07	ng		
89) Benzo(a)pyrene	15.31	252	156564	14.73	ng		99
91) Benzo(g,h,i)perylene	17.14	276	79724	7.85	ng		98

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

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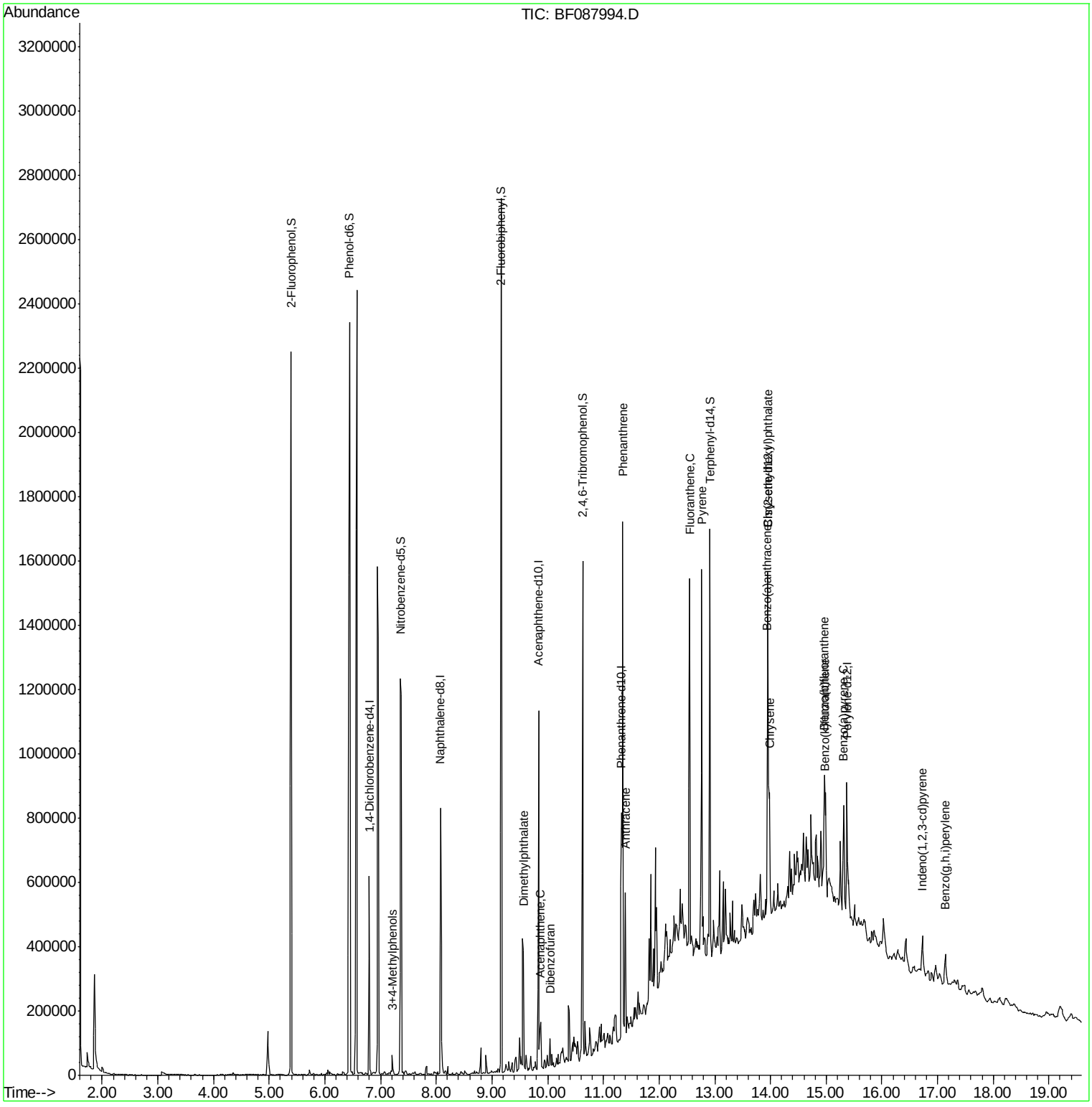
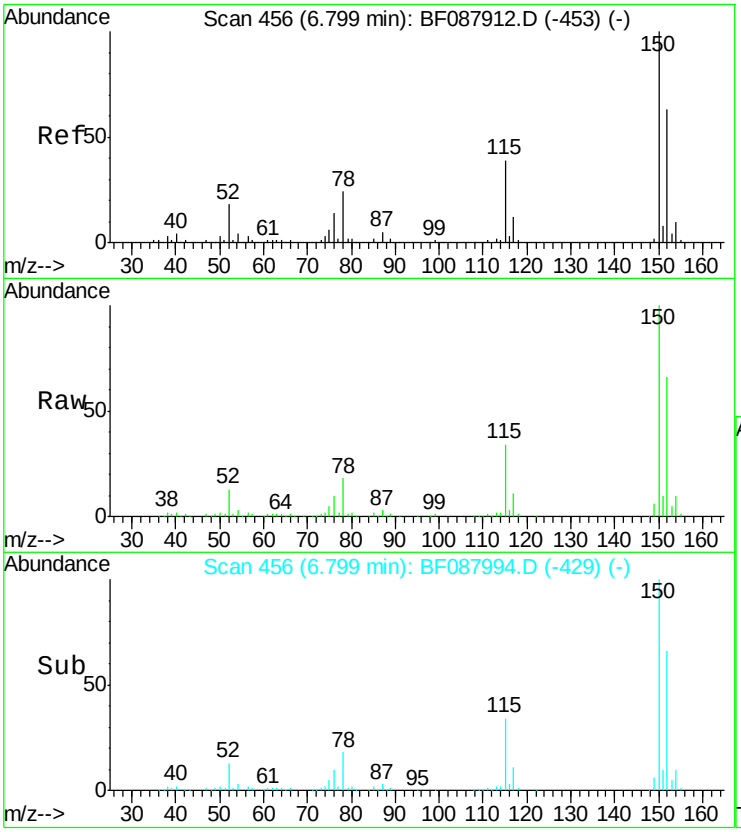
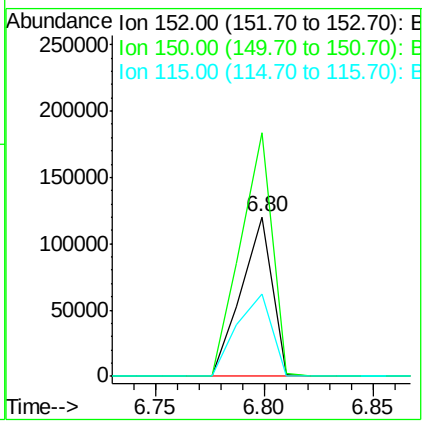




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.80 min Scan# 456
Delta R.T. 0.01 min
Lab File: BF087994.D
Acq: 13 Jun 2016 20:34

Tgt Ion:152 Resp: 119651

Ion	Ratio	Lower	Upper
152	100		
150	152.7	123.8	185.6
115	51.4	39.6	59.4



Instrument :
BNA_F
ClientSampleId :
U6-B1(0-6)C

Manual Integrations APPROVED
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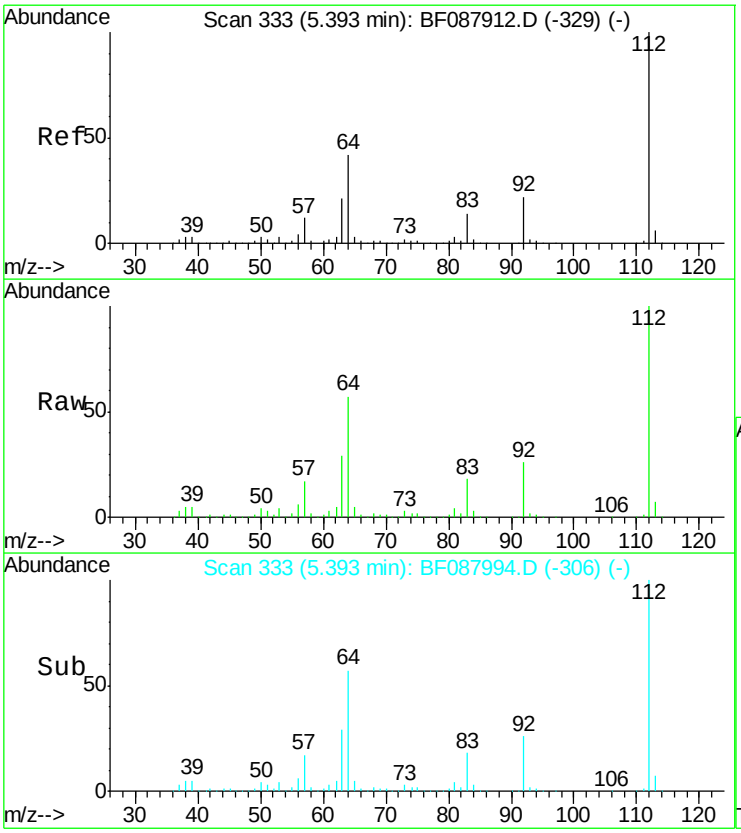
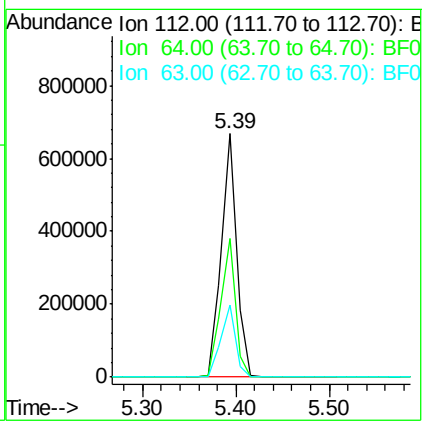
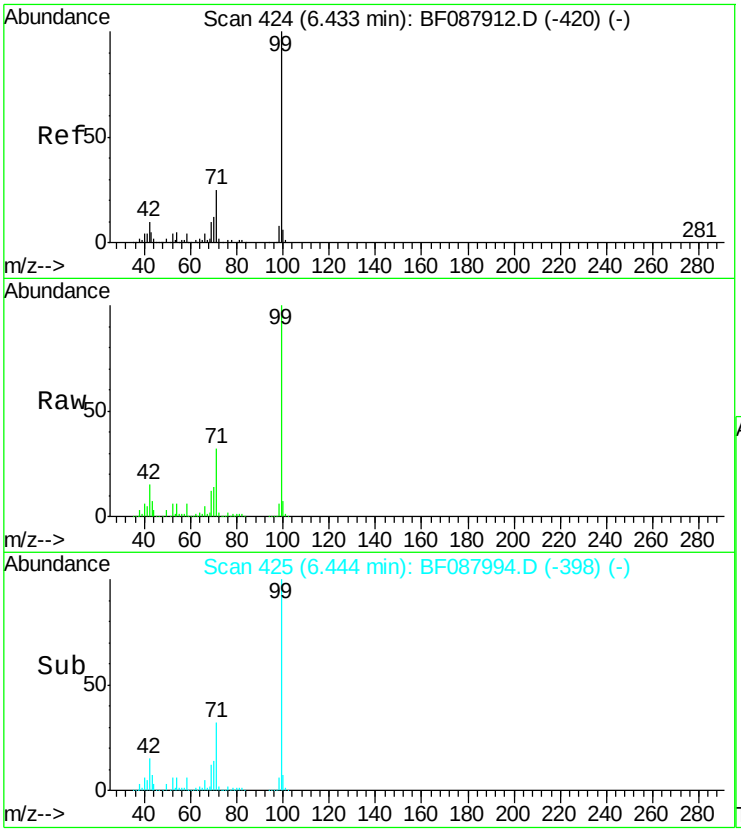


#5
2-Fluorophenol
Concen: 109.13 ng
RT: 5.39 min Scan# 333
Delta R.T. 0.01 min
Lab File: BF087994.D
Acq: 13 Jun 2016 20:34

Tgt Ion:112 Resp: 763819

Ion	Ratio	Lower	Upper
112	100		
64	56.8	42.2	63.2
63	29.5	21.8	32.8

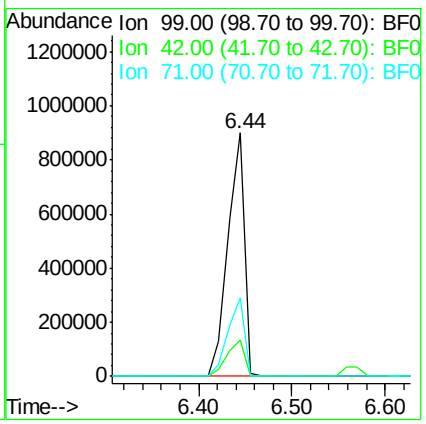




#7
Phenol-d6
Concen: 132.41 ng
RT: 6.44 min Scan# 425
Delta R.T. 0.01 min
Lab File: BF087994.D
Acq: 13 Jun 2016 20:34

Tgt Ion: 99 Resp: 1123093

Ion	Ratio	Lower	Upper
99	100		
42	15.0	12.2	18.2
71	32.1	23.4	35.0



Instrument :
BNA_F
ClientSampleId :
U6-B1(0-6)C

Manual Integrations APPROVED
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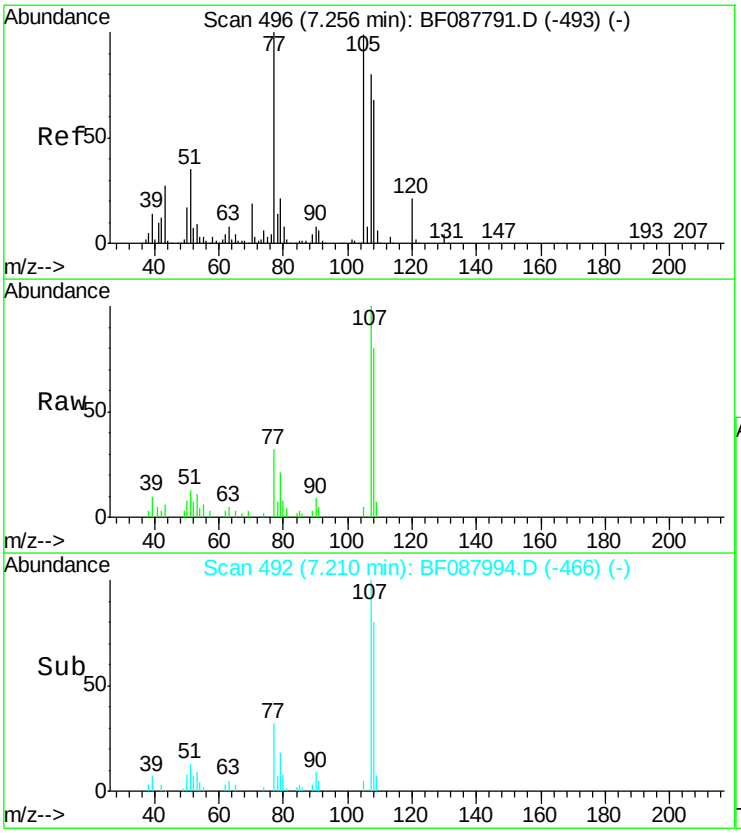
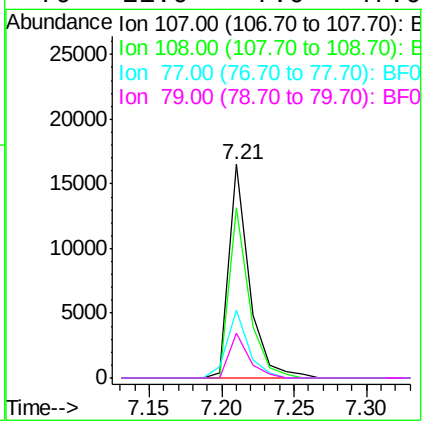
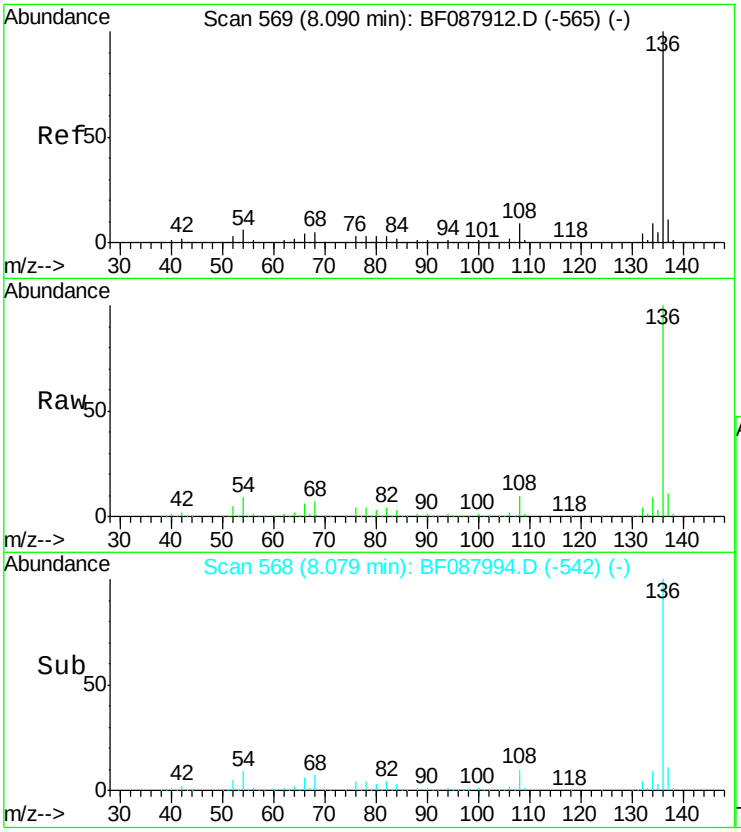


#20
3+4-Methylphenols
Concen: 2.06 ng
RT: 7.21 min Scan# 492
Delta R.T. -0.00 min
Lab File: BF087994.D
Acq: 13 Jun 2016 20:34

Tgt Ion:107 Resp: 16137

Ion	Ratio	Lower	Upper
107	100		
108	79.7	67.8	107.8
77	31.7	59.3	99.3#
79	21.0	7.0	47.0

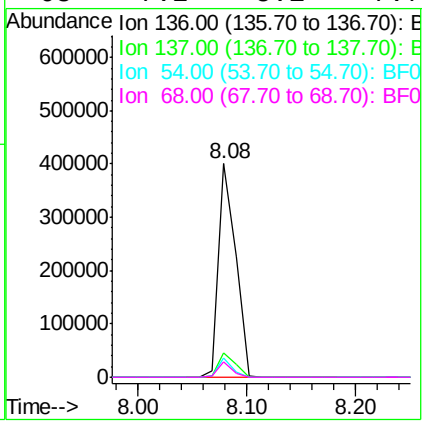




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.08 min Scan# 568
Delta R.T. -0.00 min
Lab File: BF087994.D
Acq: 13 Jun 2016 20:34

Tgt Ion:136 Resp: 442150

Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.1	13.7
54	9.1	6.6	10.0
68	7.2	5.1	7.7



Instrument :
BNA_F
ClientSampleId :
U6-B1(0-6)C

Manual Integrations APPROVED
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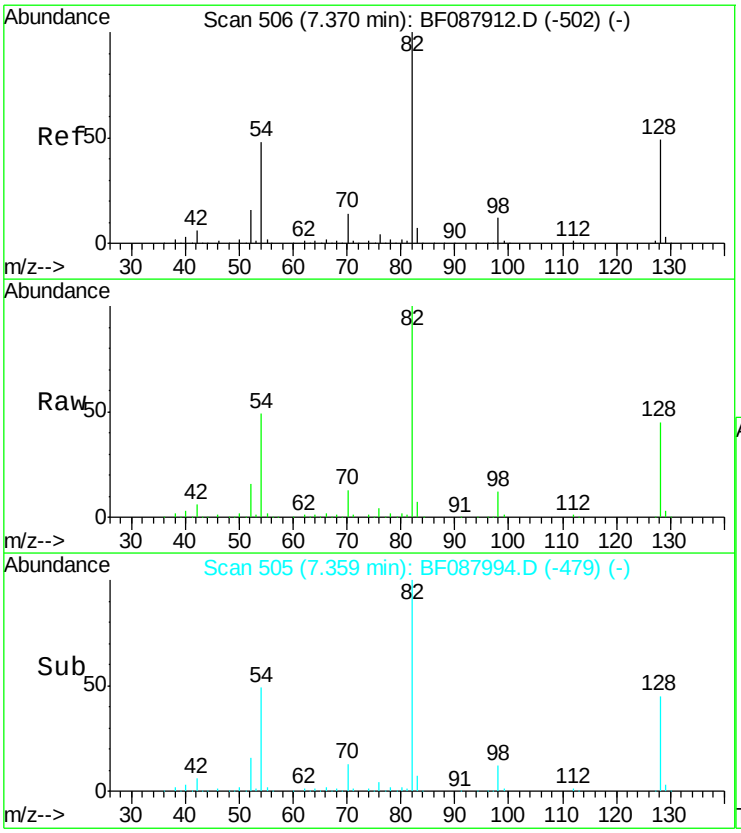
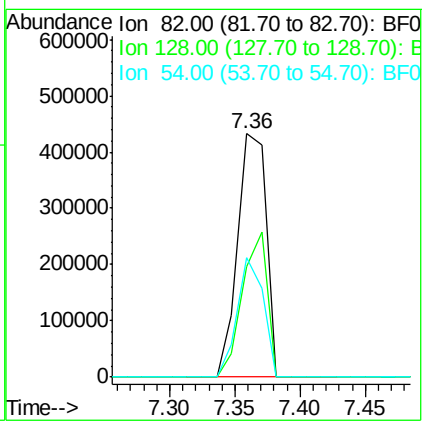
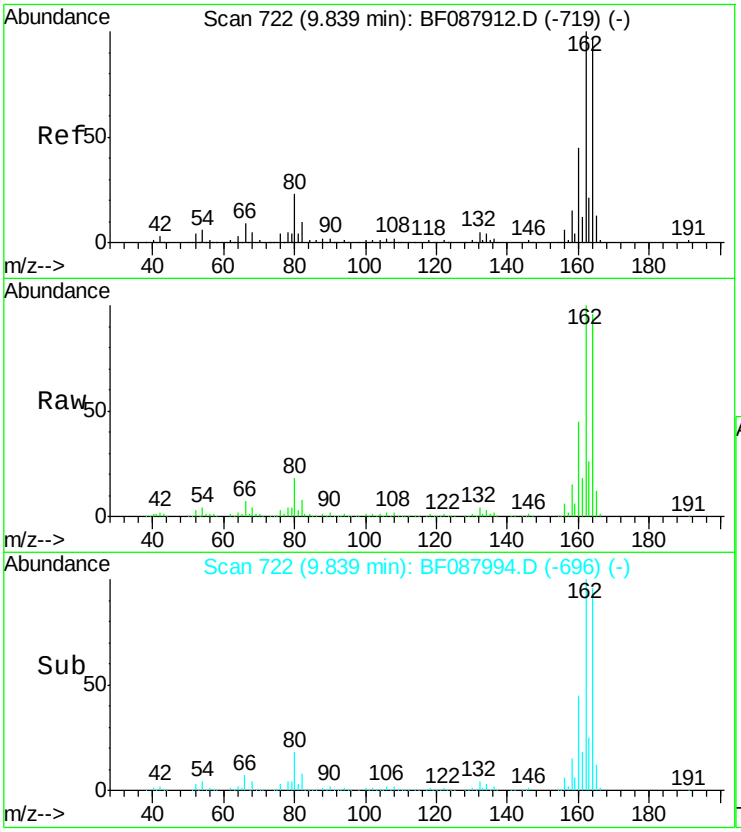


#23
Nitrobenzene-d5
Concen: 87.14 ng
RT: 7.36 min Scan# 505
Delta R.T. -0.00 min
Lab File: BF087994.D
Acq: 13 Jun 2016 20:34

Tgt Ion: 82 Resp: 659809

Ion	Ratio	Lower	Upper
82	100		
128	45.2	35.9	53.9
54	49.0	40.9	61.3

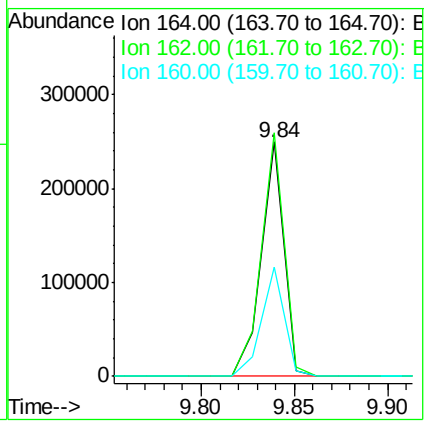




#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.84 min Scan# 722
Delta R.T. -0.00 min
Lab File: BF087994.D
Acq: 13 Jun 2016 20:34

Tgt Ion:164 Resp: 207953

Ion	Ratio	Lower	Upper
164	100		
162	103.9	85.4	128.2
160	46.8	39.5	59.3



Instrument :
BNA_F
ClientSampleId :
U6-B1(0-6)C

Manual Integrations APPROVED
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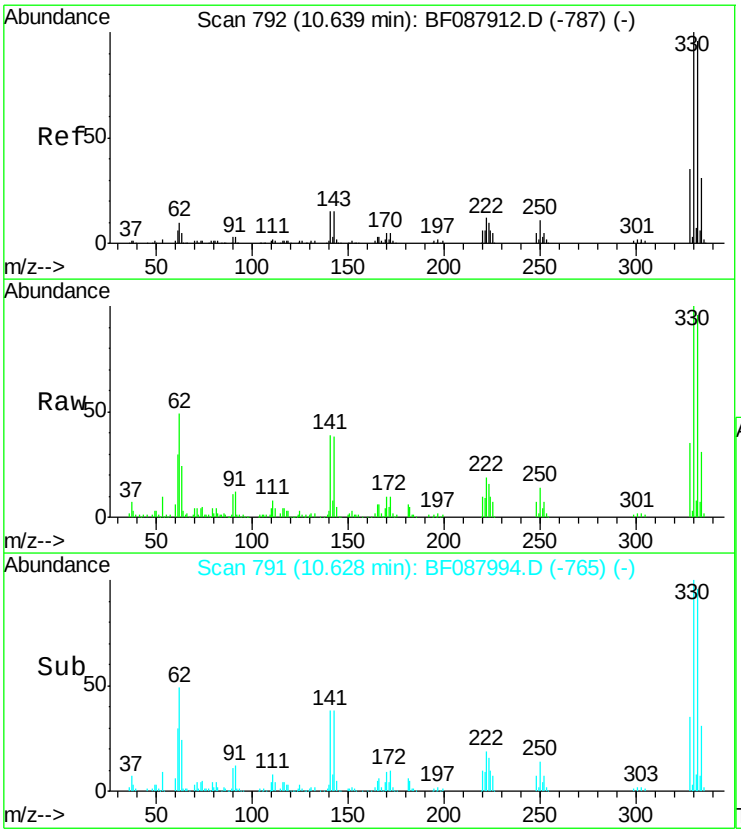
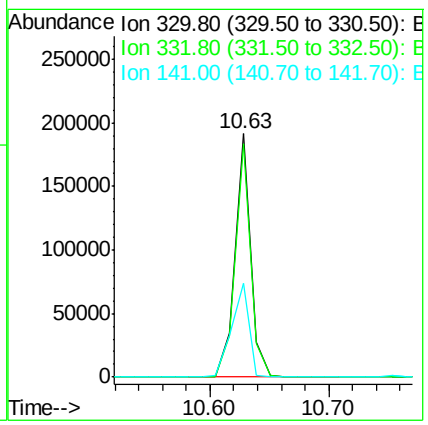
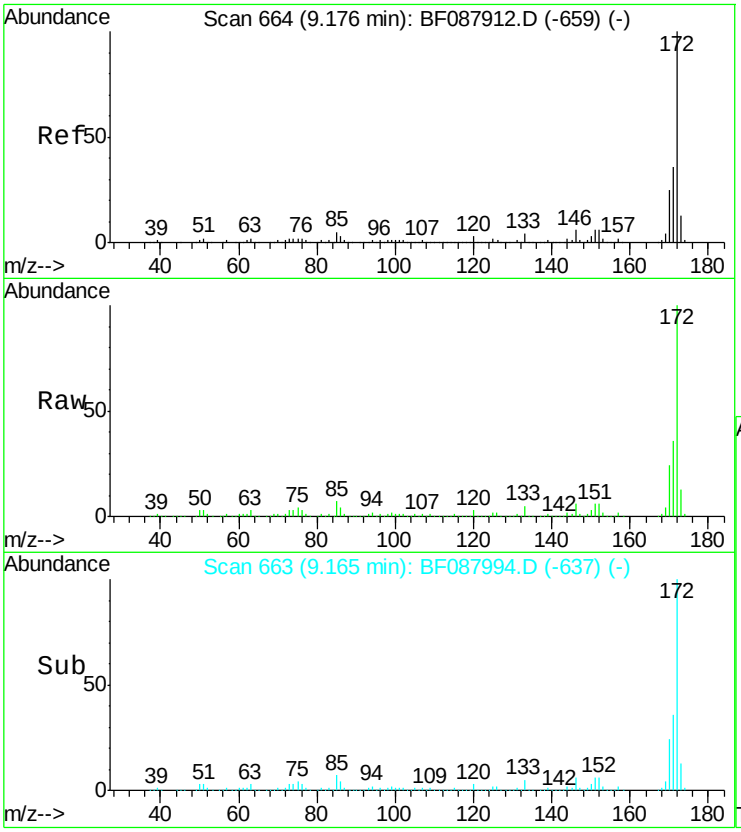


#41
2,4,6-Tribromophenol
Concen: 79.89 ng
RT: 10.63 min Scan# 791
Delta R.T. -0.00 min
Lab File: BF087994.D
Acq: 13 Jun 2016 20:34

Tgt Ion:330 Resp: 175427

Ion	Ratio	Lower	Upper
330	100		
332	95.8	0.0	0.0#
141	44.4	0.0	0.0#

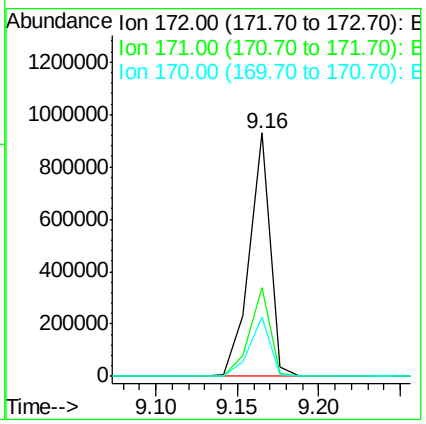




#44
2-Fluorobiphenyl
Concen: 60.79 ng
RT: 9.16 min Scan# 663
Delta R.T. -0.00 min
Lab File: BF087994.D
Acq: 13 Jun 2016 20:34

Tgt Ion:172 Resp: 825570

Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.6	43.0
170	24.3	19.2	28.8



Instrument :
BNA_F
ClientSampleId :
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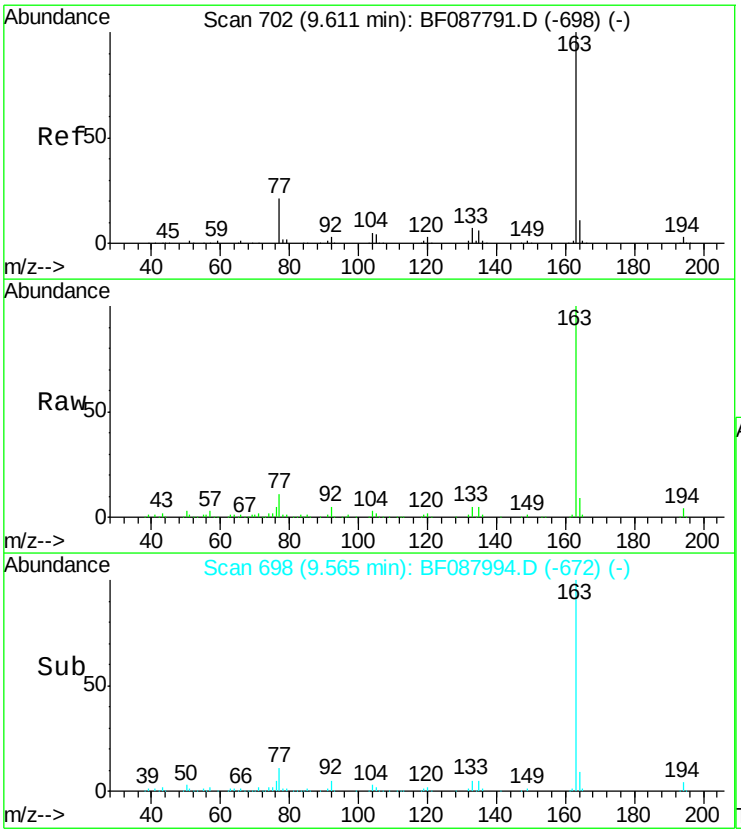
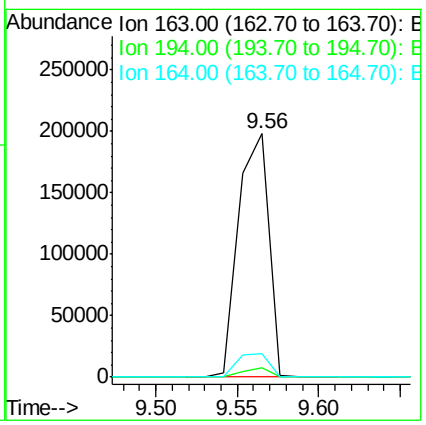
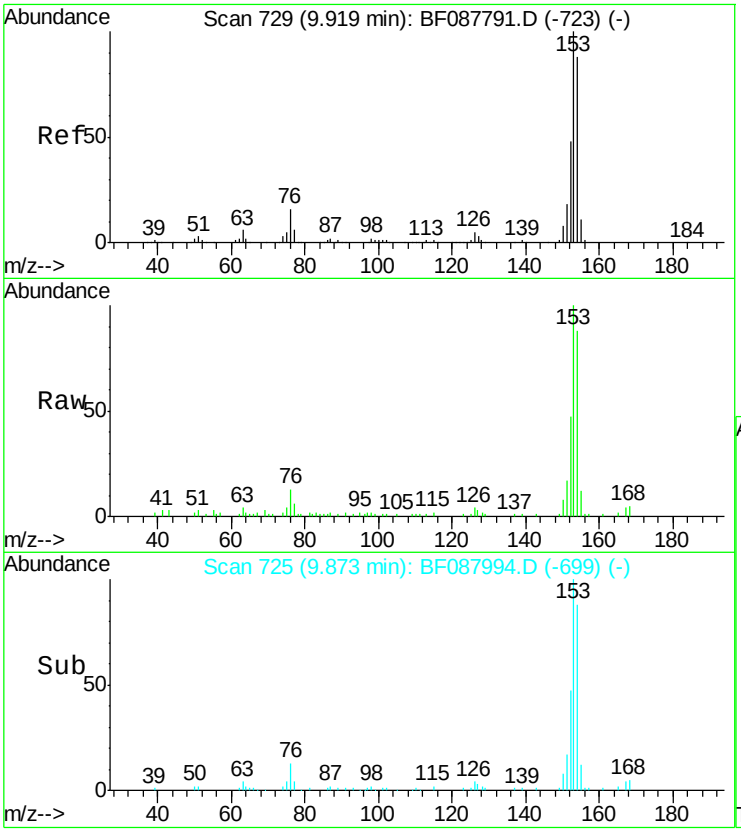


#49
Dimethylphthalate
Concen: 16.81 ng
RT: 9.56 min Scan# 698
Delta R.T. -0.00 min
Lab File: BF087994.D
Acq: 13 Jun 2016 20:34

Tgt Ion:163 Resp: 253172

Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.8	4.2
164	9.4	8.3	12.5

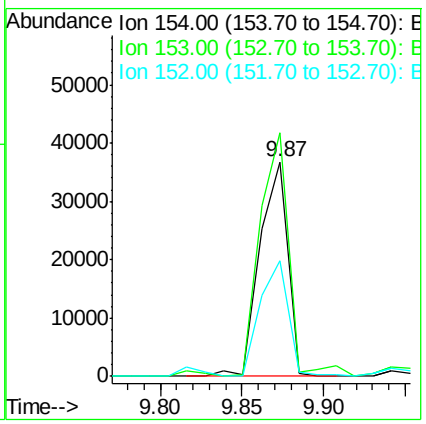




#51
Acenaphthene
Concen: 3.27 ng
RT: 9.87 min Scan# 725
Delta R.T. -0.00 min
Lab File: BF087994.D
Acq: 13 Jun 2016 20:34

Tgt Ion:154 Resp: 43683

Ion	Ratio	Lower	Upper
154	100		
153	113.6	89.5	134.3
152	53.7	42.7	64.1



Instrument :
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ClientSampleId :
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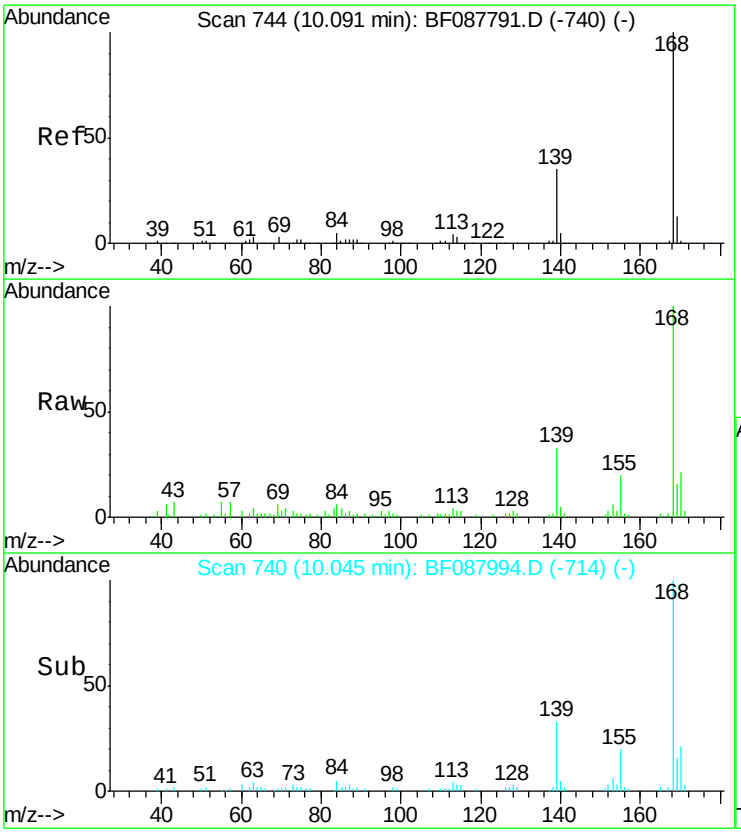
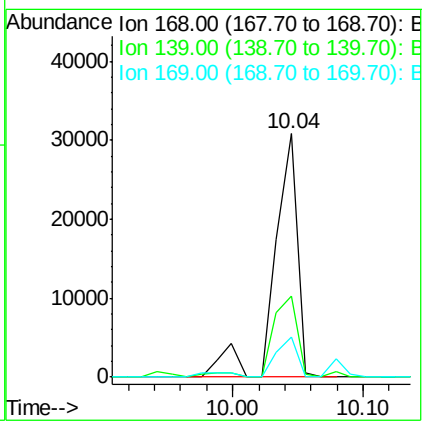
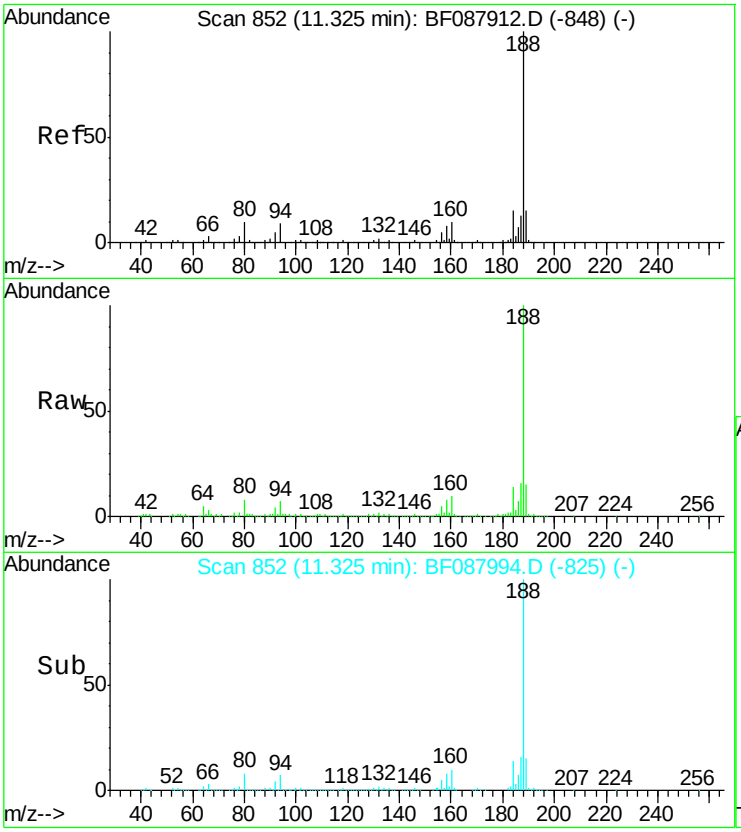


#54
Dibenzofuran
Concen: 2.06 ng
RT: 10.04 min Scan# 740
Delta R.T. -0.00 min
Lab File: BF087994.D
Acq: 13 Jun 2016 20:34

Tgt Ion:168 Resp: 37864

Ion	Ratio	Lower	Upper
168	100		
139	33.2	26.4	39.6
169	16.3	10.4	15.6#

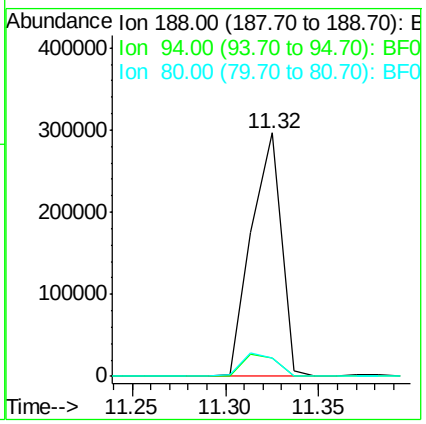




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 852
Delta R.T. 0.01 min
Lab File: BF087994.D
Acq: 13 Jun 2016 20:34

Tgt Ion:188 Resp: 329996

Ion	Ratio	Lower	Upper
188	100		
94	7.5	9.0	13.6#
80	7.5	10.0	15.0#



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ClientSampleId :
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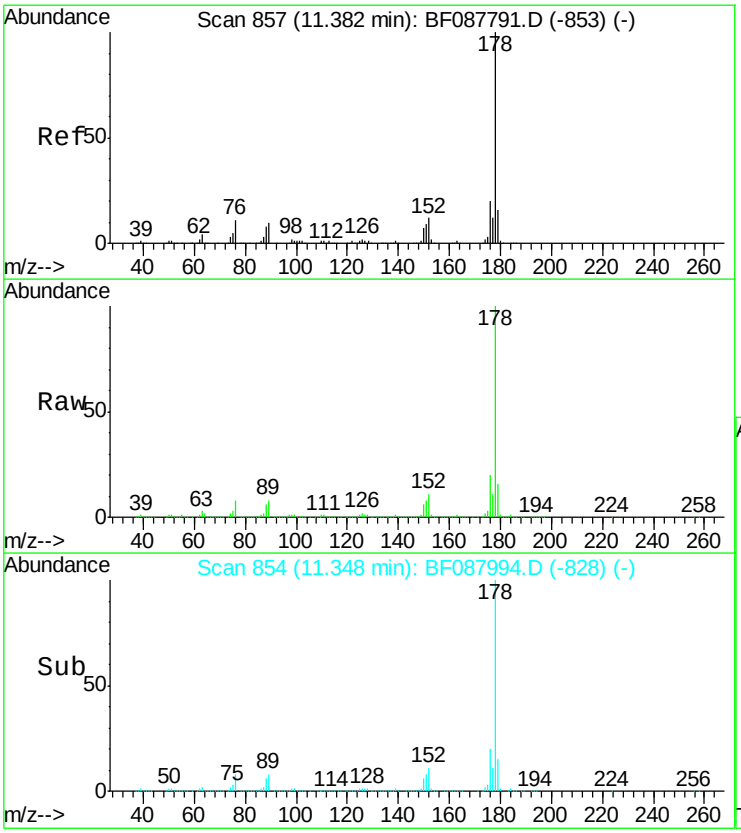
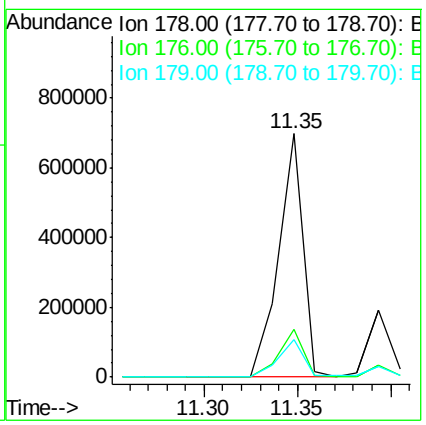
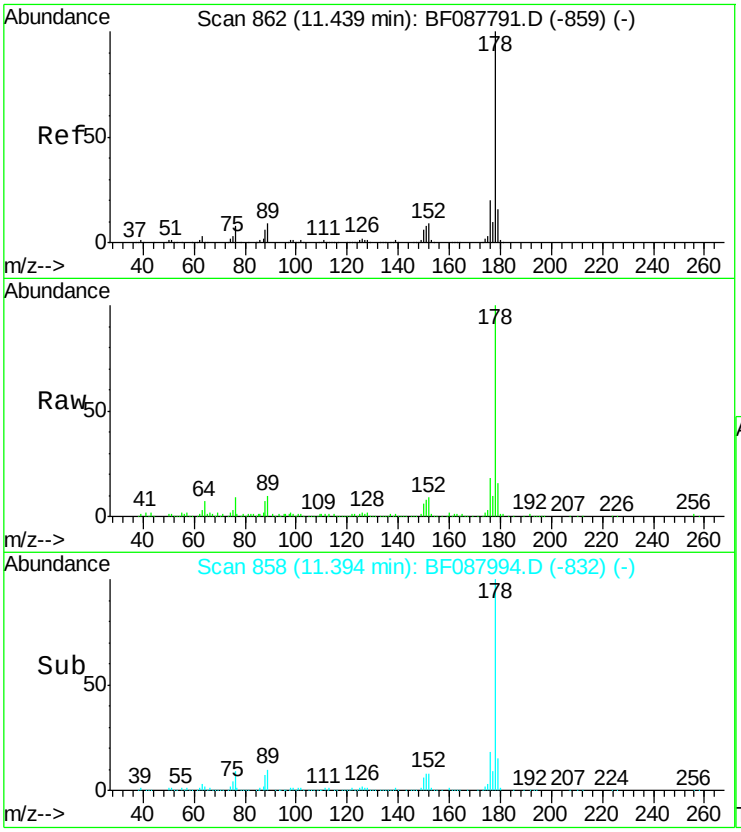


#70
Phenanthrene
Concen: 36.74 ng
RT: 11.35 min Scan# 854
Delta R.T. -0.00 min
Lab File: BF087994.D
Acq: 13 Jun 2016 20:34

Tgt Ion:178 Resp: 636159

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.6
179	15.6	13.0	19.4

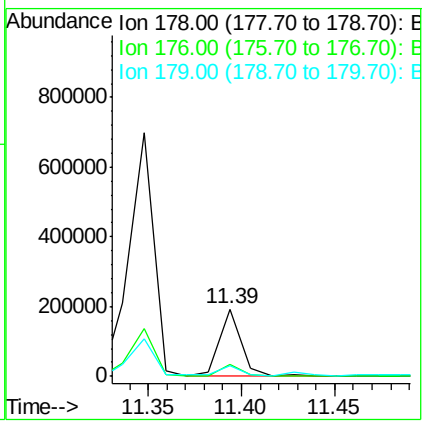




#71
Anthracene
Concen: 9.05 ng
RT: 11.39 min Scan# 858
Delta R.T. -0.00 min
Lab File: BF087994.D
Acq: 13 Jun 2016 20:34

Tgt Ion:178 Resp: 158026

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.6	23.4
179	15.6	12.8	19.2



Instrument :
BNA_F
ClientSampleId :
U6-B1(0-6)C

Manual Integrations APPROVED
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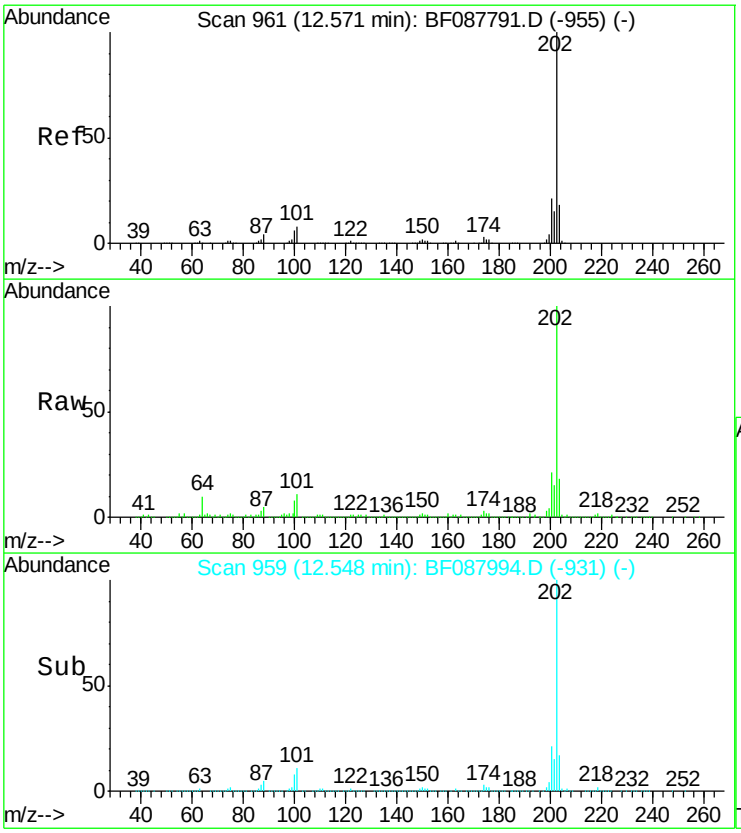
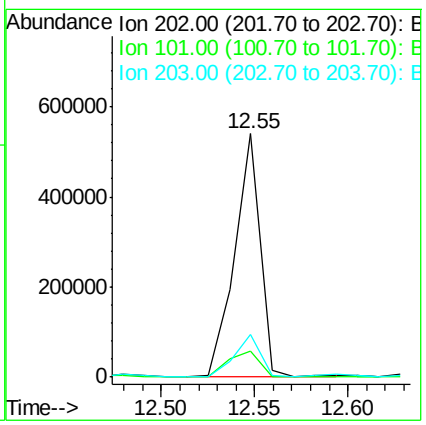
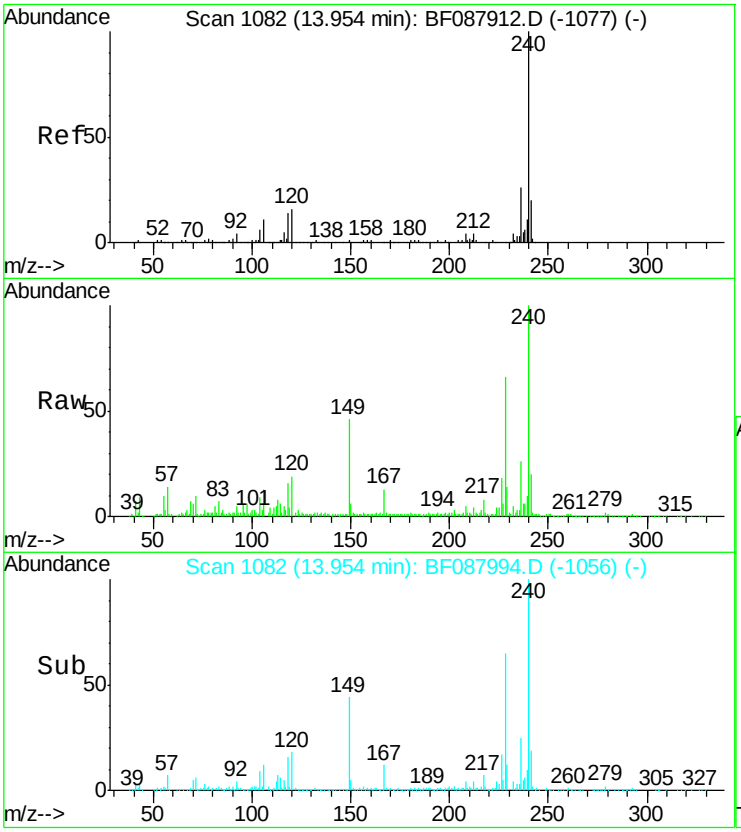


#74
Fluoranthene
Concen: 28.26 ng
RT: 12.55 min Scan# 959
Delta R.T. 0.02 min
Lab File: BF087994.D
Acq: 13 Jun 2016 20:34

Tgt Ion:202 Resp: 516354

Ion	Ratio	Lower	Upper
202	100		
101	10.9	0.0	33.1
203	17.5	0.0	38.1





#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.95 min Scan# 1082
Delta R.T. -0.00 min
Lab File: BF087994.D
Acq: 13 Jun 2016 20:34

Tgt Ion:240 Resp: 227836

Ion	Ratio	Lower	Upper
240	100		
120	18.8	6.8	10.2#
236	25.5	20.2	30.2

Instrument :
BNA_F
ClientSampleId :
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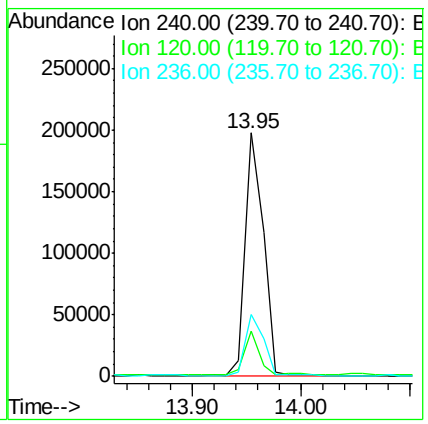
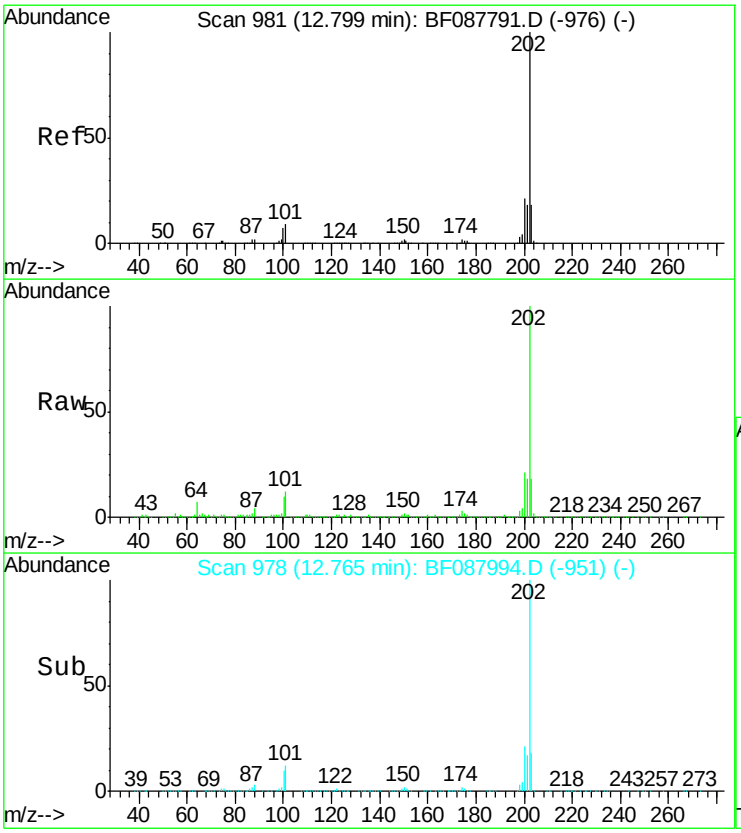
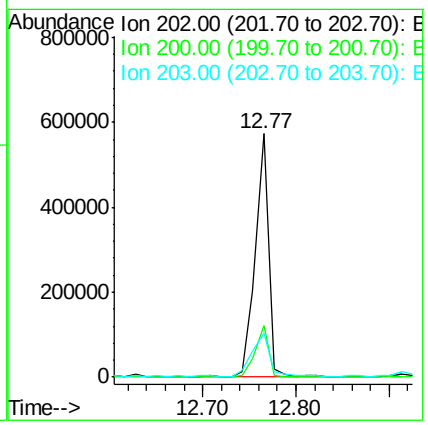


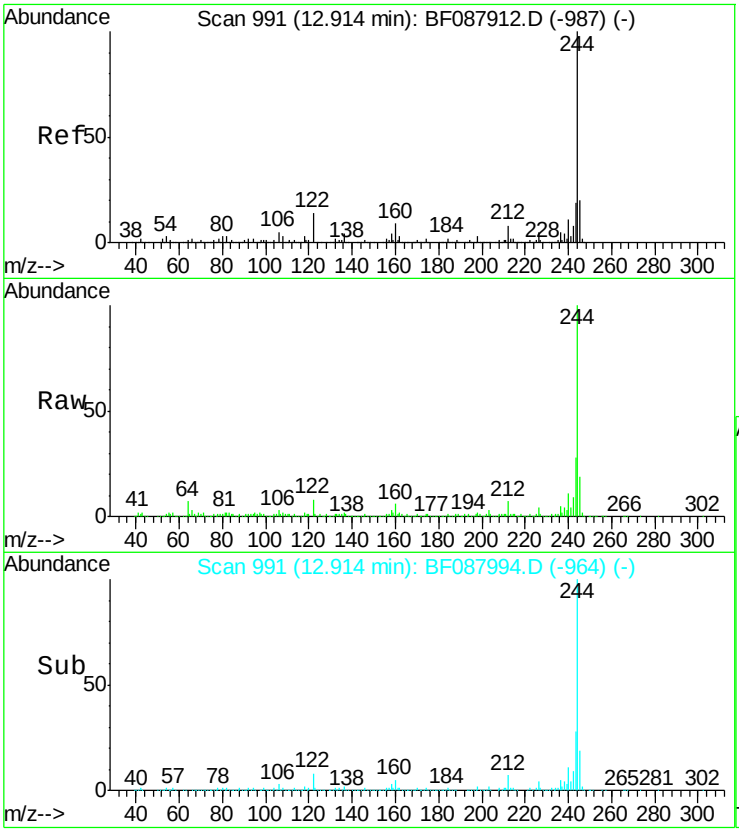


#77
Pyrene
Concen: 33.34 ng
RT: 12.77 min Scan# 978
Delta R.T. 0.01 min
Lab File: BF087994.D
Acq: 13 Jun 2016 20:34

Tgt Ion:202 Resp: 563734

Ion	Ratio	Lower	Upper
202	100		
200	21.1	17.4	26.2
203	18.0	14.5	21.7

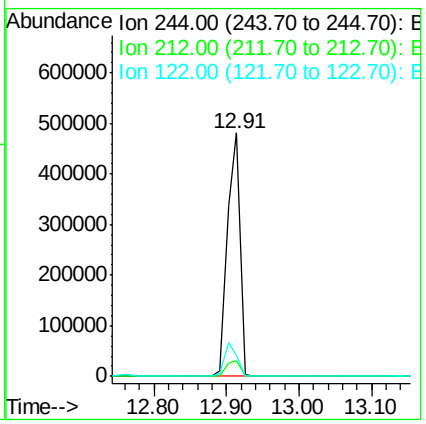




#78
Terphenyl-d14
Concen: 57.58 ng
RT: 12.91 min Scan# 991
Delta R.T. 0.01 min
Lab File: BF087994.D
Acq: 13 Jun 2016 20:34

Tgt Ion:244 Resp: 576493

Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.0	9.0
122	8.4	11.2	16.8#



Instrument :
BNA_F
ClientSampleId :
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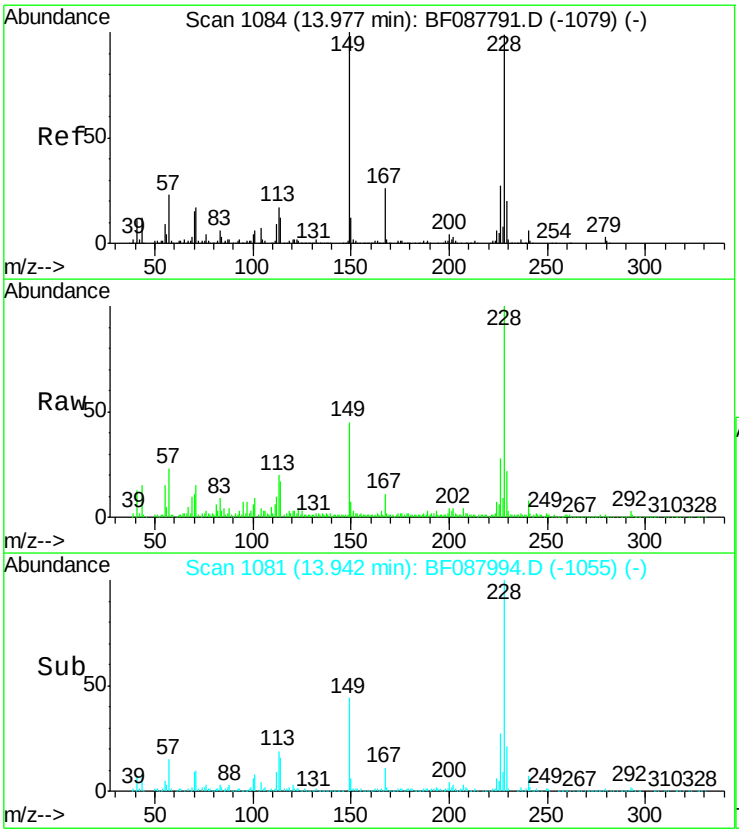
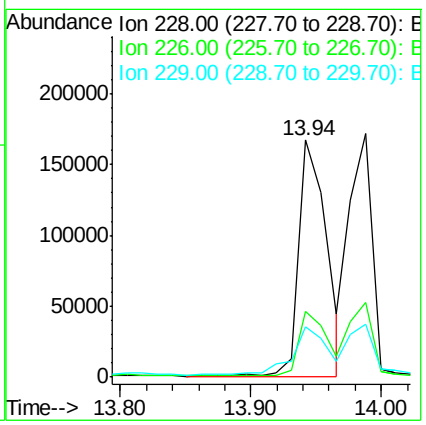
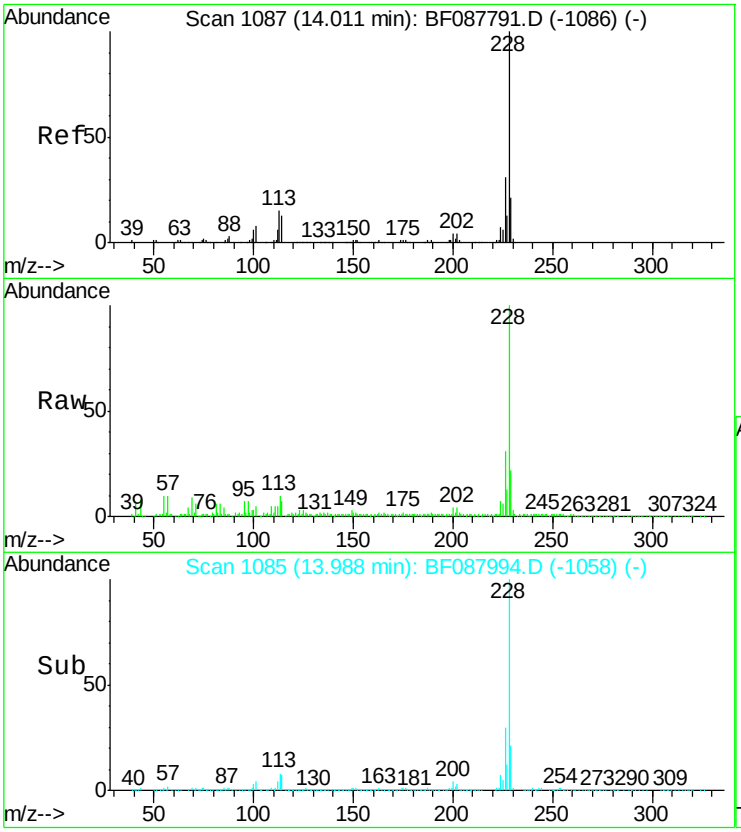


#80
Benzo(a)anthracene
Concen: 18.87 ng
RT: 13.94 min Scan# 1081
Delta R.T. -0.00 min
Lab File: BF087994.D
Acq: 13 Jun 2016 20:34

Tgt Ion:228 Resp: 244991

Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.3	33.5
229	21.5	16.0	24.0

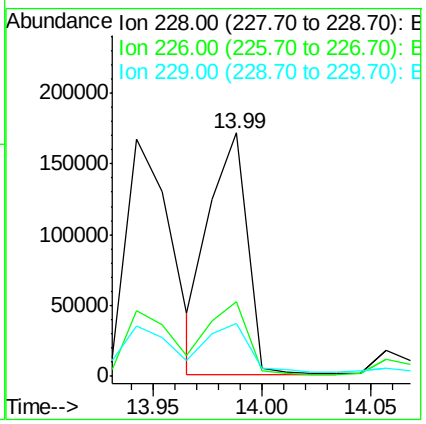




#82
Chrysene
Concen: 17.11 ng
RT: 13.99 min Scan# 1085
Delta R.T. 0.01 min
Lab File: BF087994.D
Acq: 13 Jun 2016 20:34

Tgt Ion:228 Resp: 208951

Ion	Ratio	Lower	Upper
228	100		
226	30.8	25.4	38.2
229	21.7	16.3	24.5



Instrument :
BNA_F
ClientSampleId :
U6-B1(0-6)C

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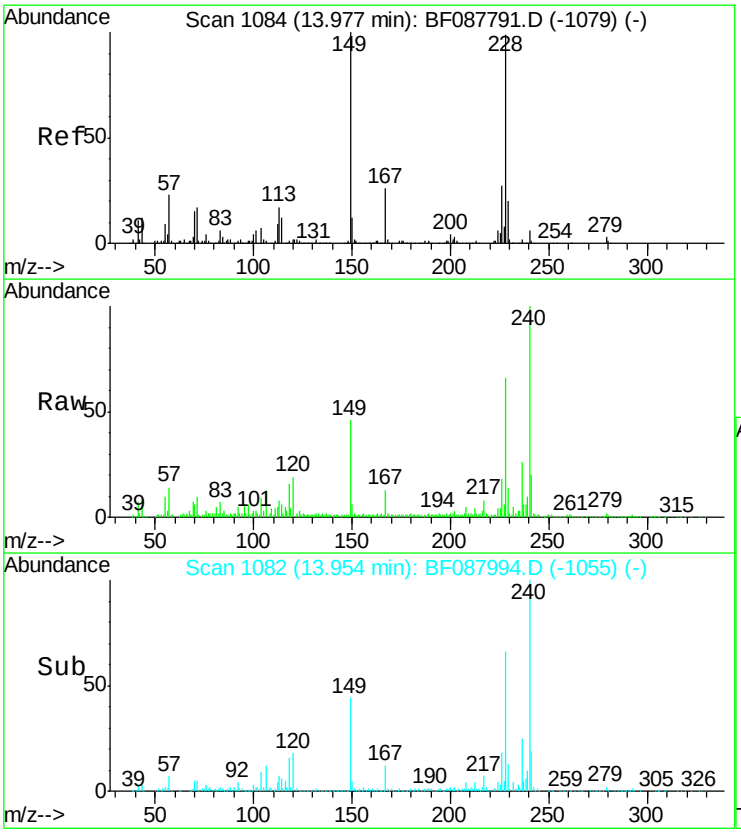
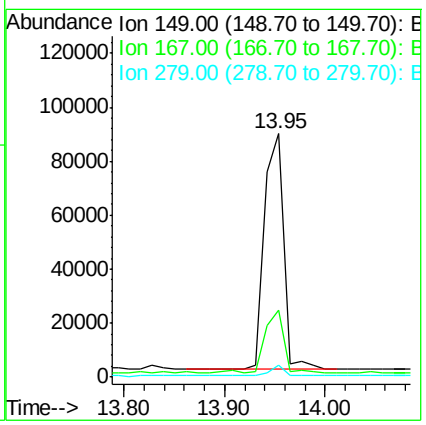
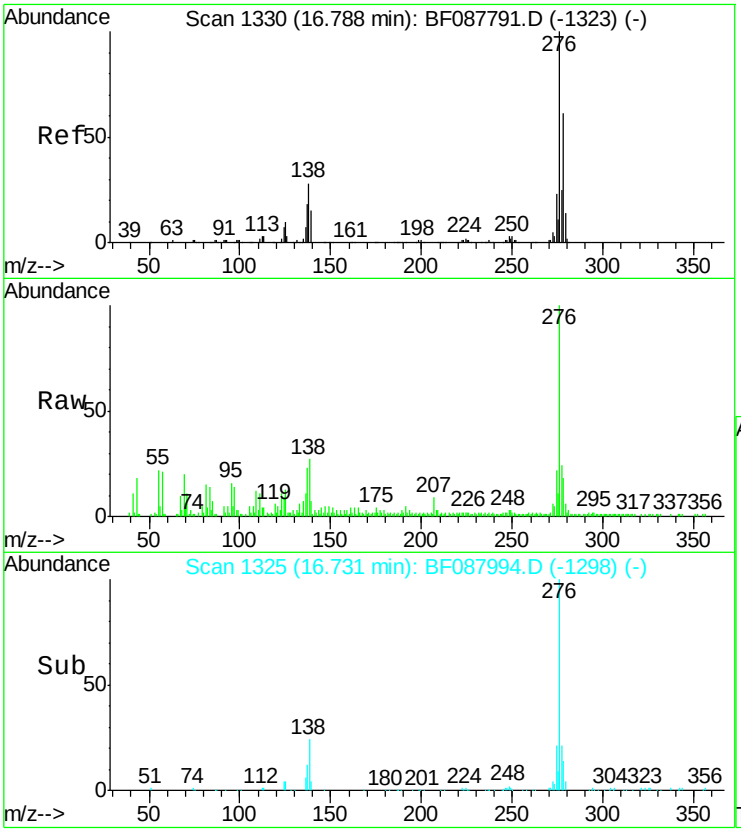


#83
Bis(2-ethylhexyl)phthalate
Concen: 12.82 ng
RT: 13.95 min Scan# 1082
Delta R.T. 0.01 min
Lab File: BF087994.D
Acq: 13 Jun 2016 20:34

Tgt Ion:149 Resp: 116630

Ion	Ratio	Lower	Upper
149	100		
167	27.7	20.5	30.7
279	4.8	2.0	3.0#





#85
Indeno(1,2,3-cd)pyrene
Concen: 7.10 ng
RT: 16.73 min Scan# 1325
Delta R.T. 0.01 min
Lab File: BF087994.D
Acq: 13 Jun 2016 20:34

Tgt Ion:276 Resp: 80591

Ion	Ratio	Lower	Upper
276	100		
138	27.6	0.0	0.0#
277	26.7	0.0	0.0#

Instrument :
BNA_F
ClientSampleId :
U6-B1(0-6)C

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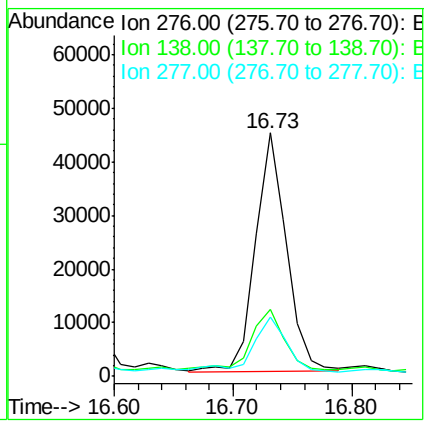
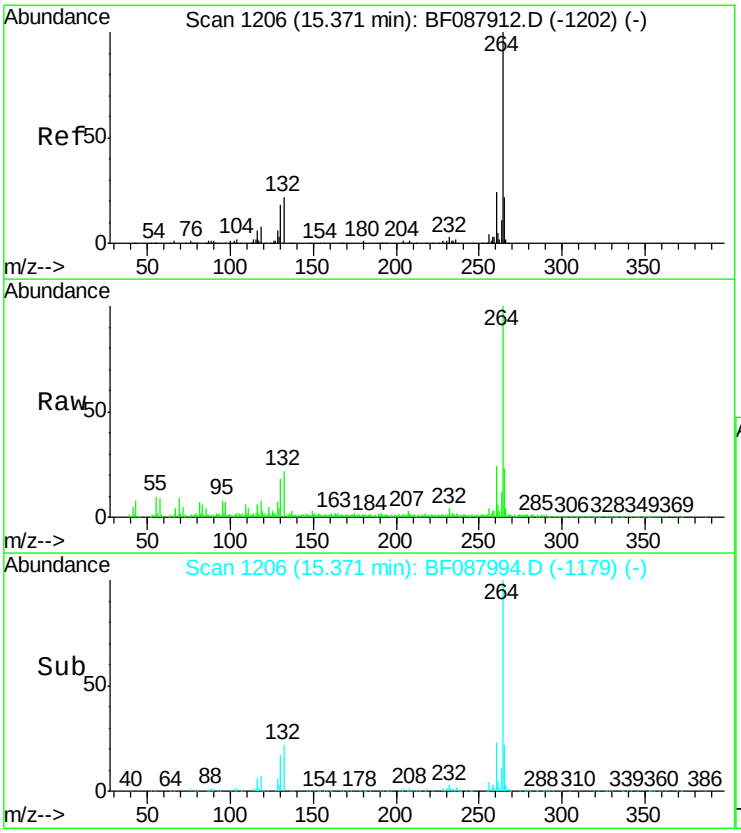
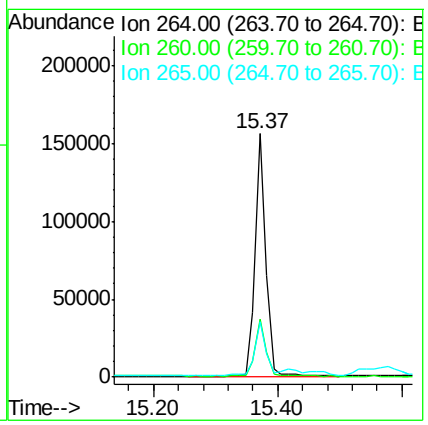


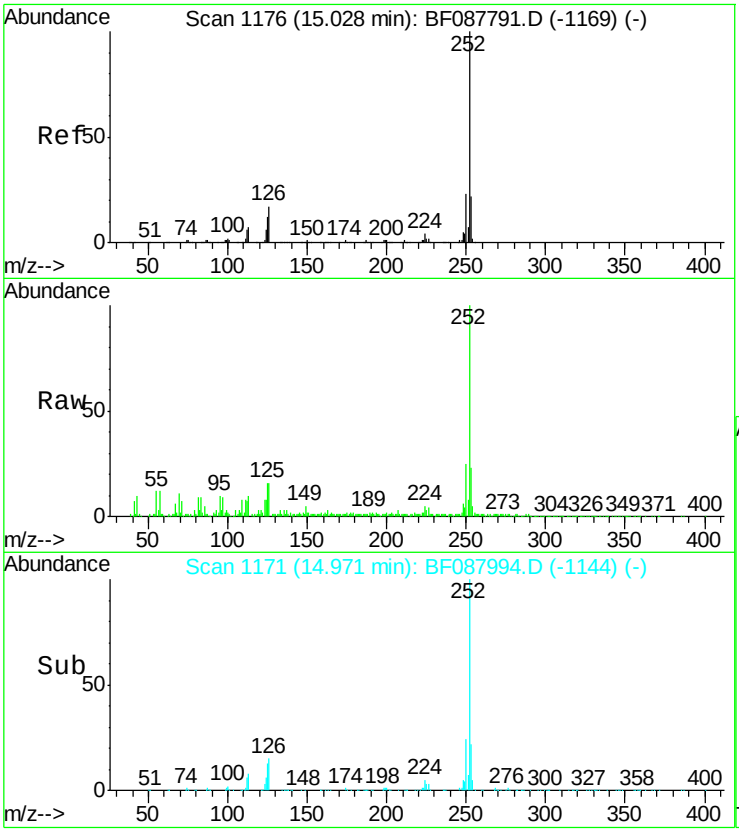


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.37 min Scan# 1206
Delta R.T. 0.01 min
Lab File: BF087994.D
Acq: 13 Jun 2016 20:34

Tgt Ion:264 Resp: 188505

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.8	16.9	25.3

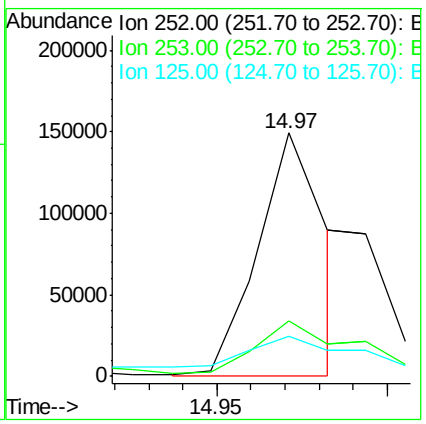




#87
Benzo(b)fluoranthene
Concen: 15.69 ng m
RT: 14.97 min Scan# 1171
Delta R.T. 0.01 min
Lab File: BF087994.D
Acq: 13 Jun 2016 20:34

Tgt Ion:252 Resp: 206200

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.2
125	16.4	7.1	10.7#



Instrument :
BNA_F
ClientSampleId :
U6-B1(0-6)C

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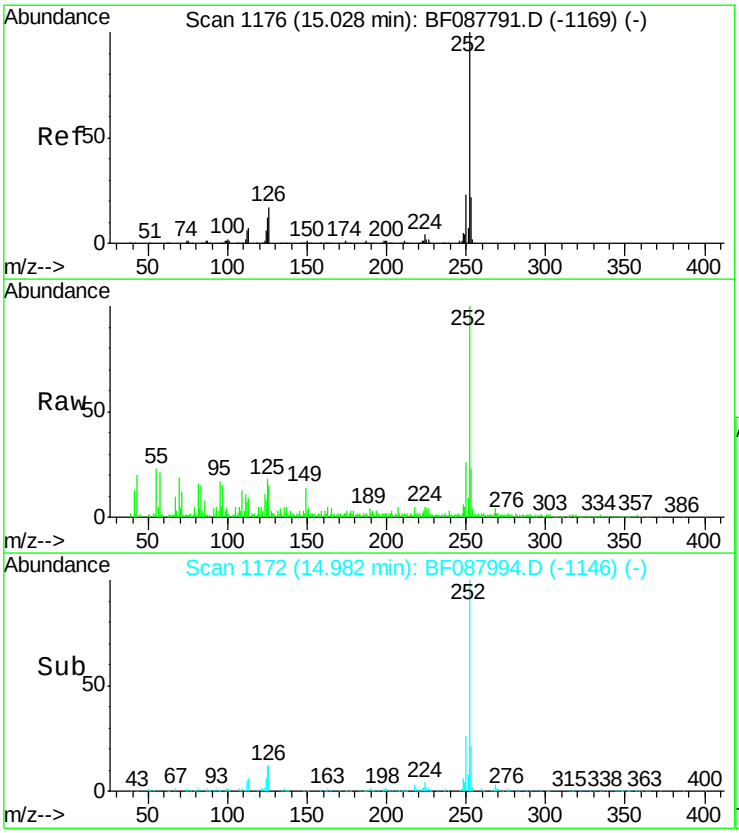
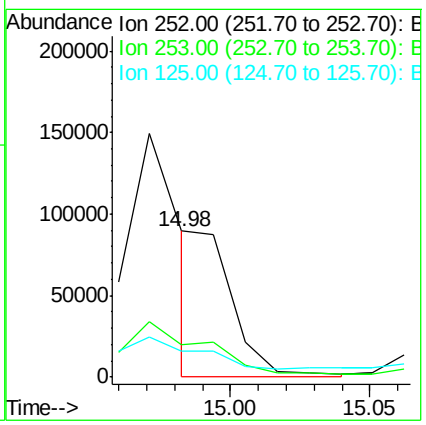
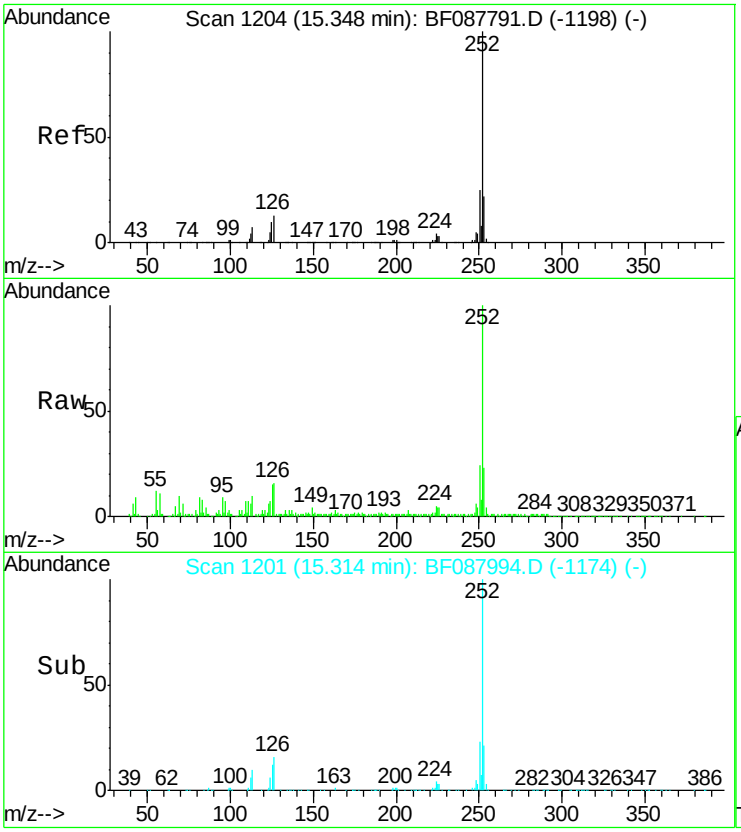


#88
Benzo(k)fluoranthene
Concen: 8.07 ng m
RT: 14.98 min Scan# 1172
Delta R.T. -0.00 min
Lab File: BF087994.D
Acq: 13 Jun 2016 20:34

Tgt Ion:252 Resp: 79978

Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.0	27.0
125	18.2	11.2	16.8#

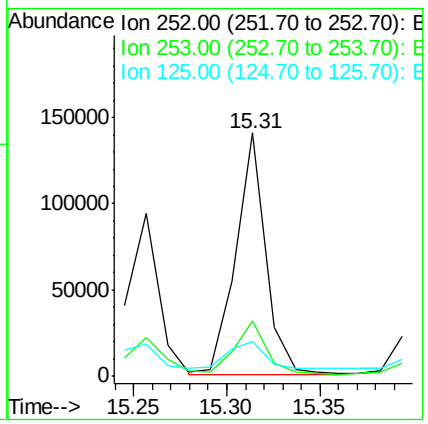




#89
Benzo(a)pyrene
Concen: 14.73 ng
RT: 15.31 min Scan# 1201
Delta R.T. 0.01 min
Lab File: BF087994.D
Acq: 13 Jun 2016 20:34

Tgt Ion:252 Resp: 156564

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	14.6	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
U6-B1(0-6)C

Manual Integrations APPROVED
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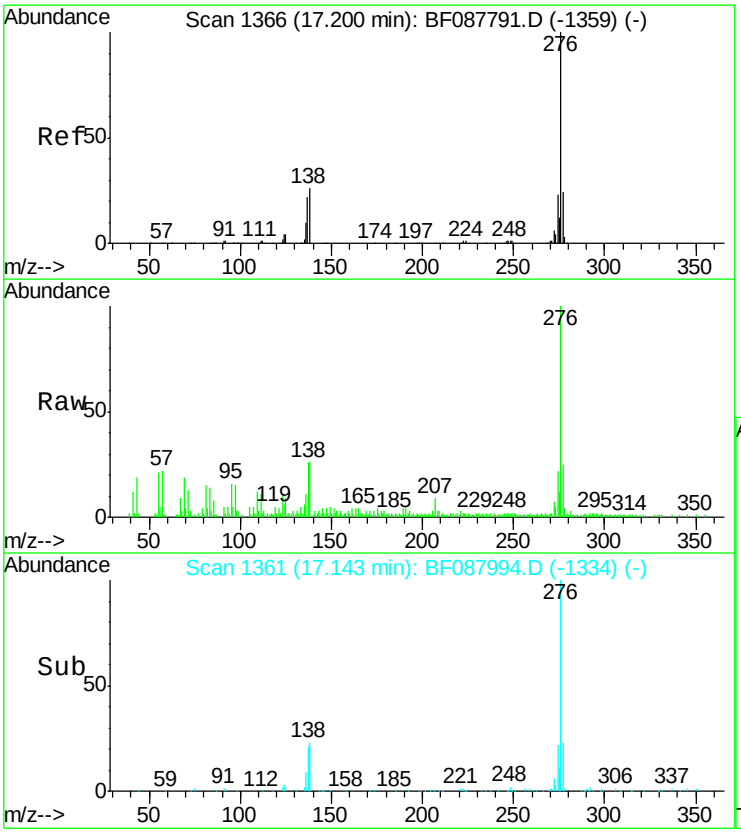

#91
Benzo(g,h,i)perylene
Concen: 7.85 ng
RT: 17.14 min Scan# 1361
Delta R.T. 0.01 min
Lab File: BF087994.D
Acq: 13 Jun 2016 20:34

Tgt Ion:276 Resp: 79724

Ion	Ratio	Lower	Upper
276	100		
277	24.7	18.9	28.3
138	25.6	21.4	32.2