Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070616\
Data File : BF088760.D
Acq On : 7 Jul 2016 3:49
Operator : UM/SJ
Sample : H3879-11
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
C2.1-04

Manual Integrations
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7/7/2016 6:10:33 PM

Quant Time: Jul 07 07:06:10 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jul 07 01:24:07 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	92847	20.00	ng		0.00
21) Naphthalene-d8	8.03	136	381677	20.00	ng		0.00
38) Acenaphthene-d10	9.78	164	164186	20.00	ng		0.00
63) Phenanthrene-d10	11.26	188	262792	20.00	ng		0.00
75) Chrysene-d12	13.89	240	189404	20.00	ng		0.00
86) Perylene-d12	15.27	264	179599	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.34	112	566999	91.52	ng		0.00
7) Phenol-d6	6.39	99	667665	83.41	ng		0.00
23) Nitrobenzene-d5	7.31	82	425717	58.45	ng		-0.01
41) 2,4,6-Tribromophenol	10.57	330	152561	100.06	ng		0.00
44) 2-Fluorobiphenyl	9.11	172	766013	73.70	ng		-0.01
78) Terphenyl-d14	12.85	244	543907	63.96	ng		0.00
Target Compounds							Qvalue
49) Dimethylphthalate	9.51	163	110279	9.43	ng		99
70) Phenanthrene	11.28	178	53197	3.70	ng		99
71) Anthracene	11.32	178	39290	2.75	ng		97
74) Fluoranthene	12.47	202	225040	15.45	ng		92
77) Pyrene	12.68	202	218750	13.62	ng		98
80) Benzo(a)anthracene	13.87	228	107709m	8.83	ng		
82) Chrysene	13.91	228	128040	10.61	ng		97
85) Indeno(1,2,3-cd)pyrene	16.57	276	71653	7.72	ng	#	100
87) Benzo(b)fluoranthene	14.88	252	249001m	22.10	ng		
88) Benzo(k)fluoranthene	14.90	252	25364m	2.59	ng		
89) Benzo(a)pyrene	15.21	252	85066	8.92	ng		96
90) Dibenzo(a,h)anthracene	16.58	278	17254	2.17	ng	#	87
91) Benzo(g,h,i)perylene	16.97	276	65778	7.98	ng		98

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070616\
Data File : BF088760.D
Acq On : 7 Jul 2016 3:49
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Misc :
ALS Vial : 22 Sample Multiplier: 1

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Manual Integrations
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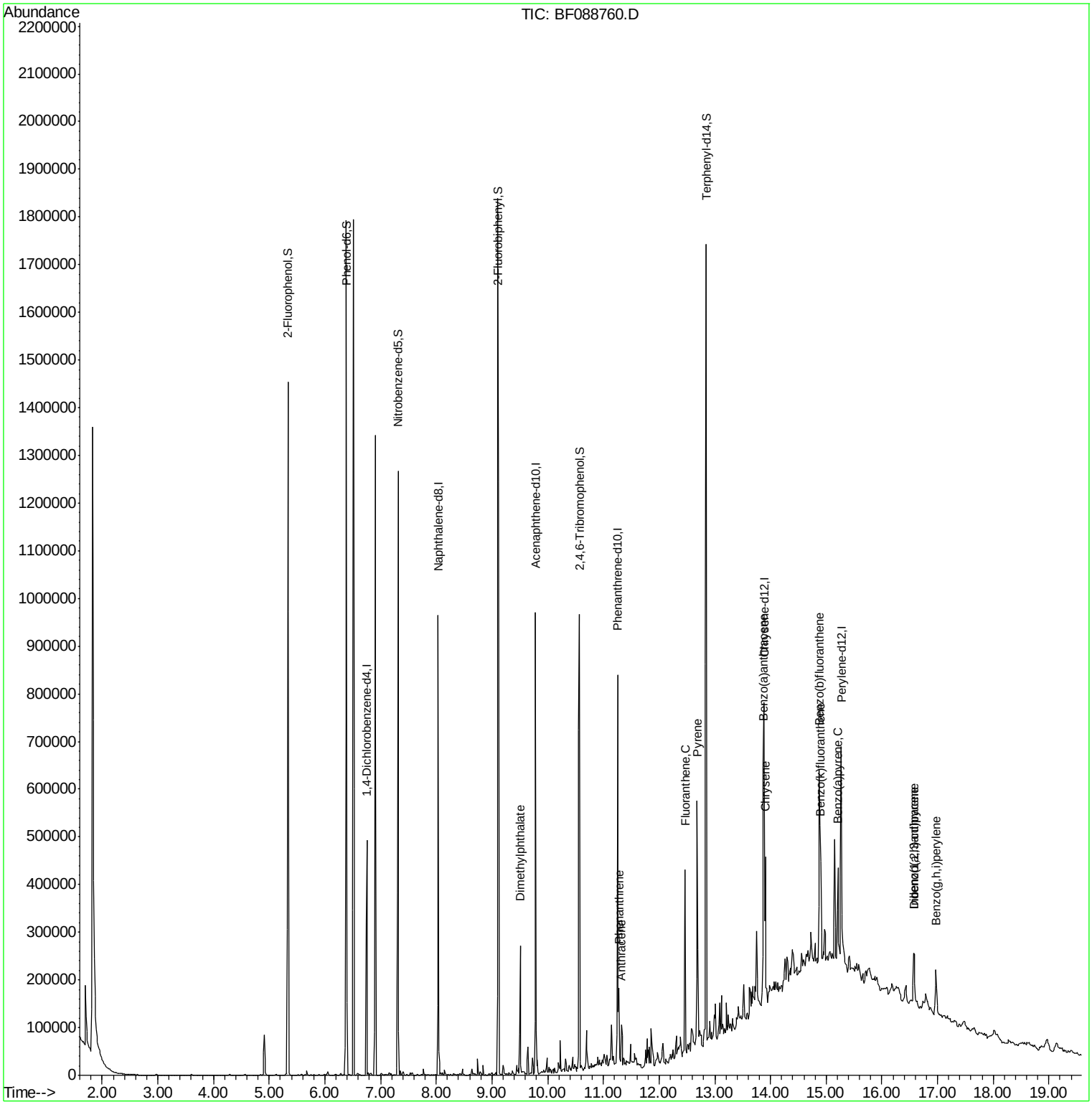
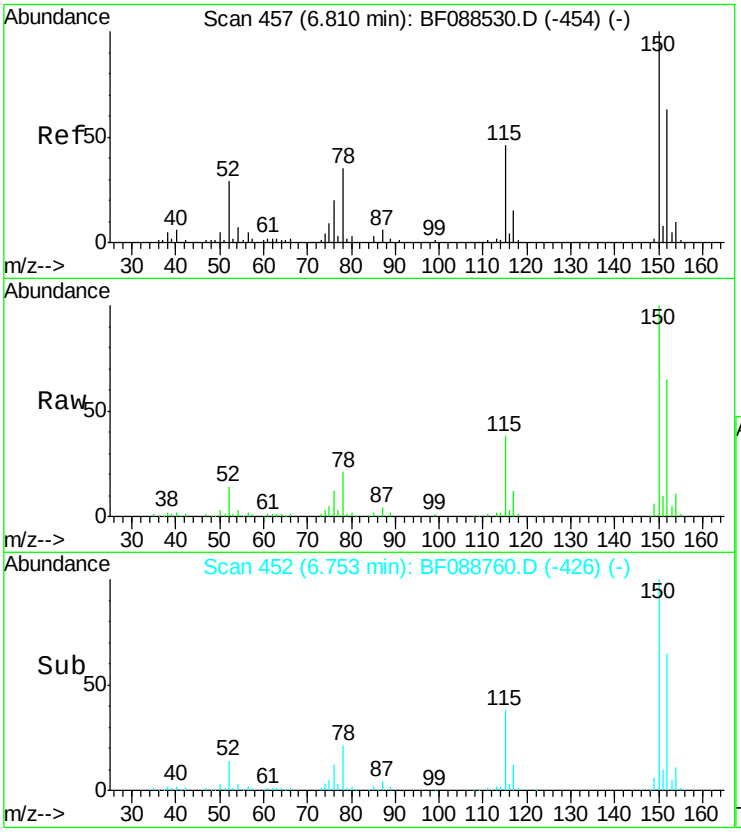
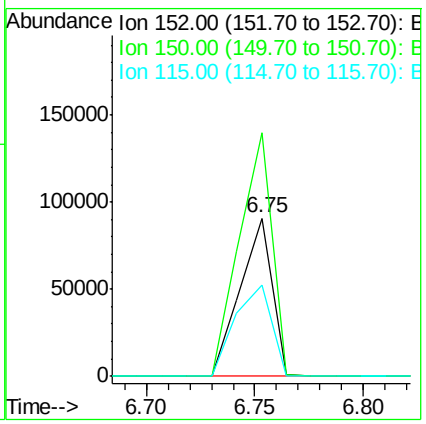




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.75 min Scan# 452
Delta R.T. -0.00 min
Lab File: BF088760.D
Acq: 7 Jul 2016 3:49

Tgt Ion:152 Resp: 92847

Ion	Ratio	Lower	Upper
152	100		
150	153.6	123.8	185.6
115	57.6	39.6	59.4



Instrument :
BNA_F
ClientSampleId :
C2.1-04

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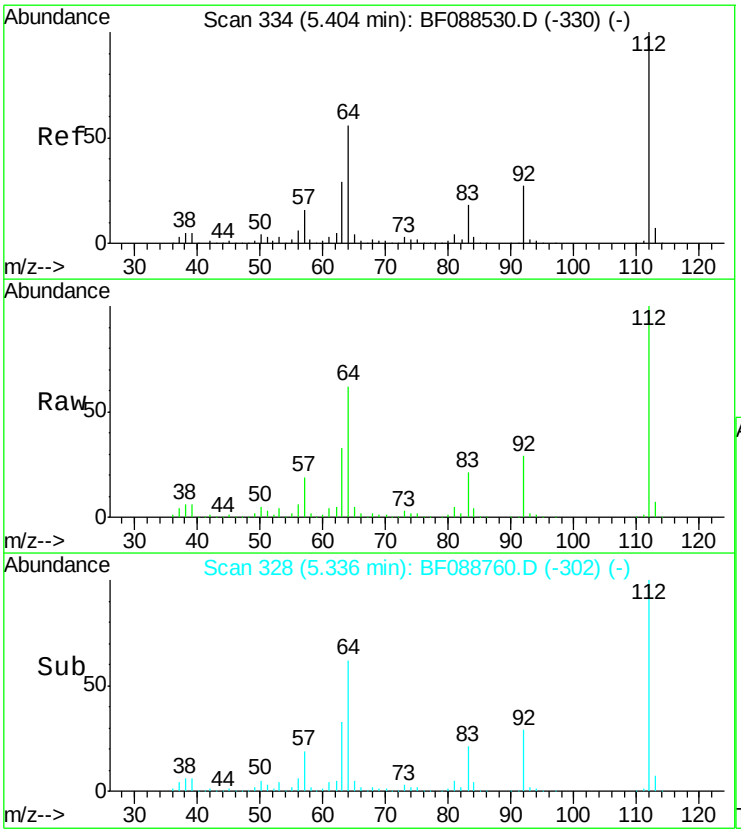
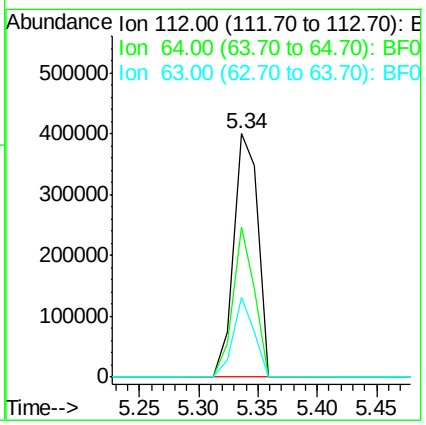
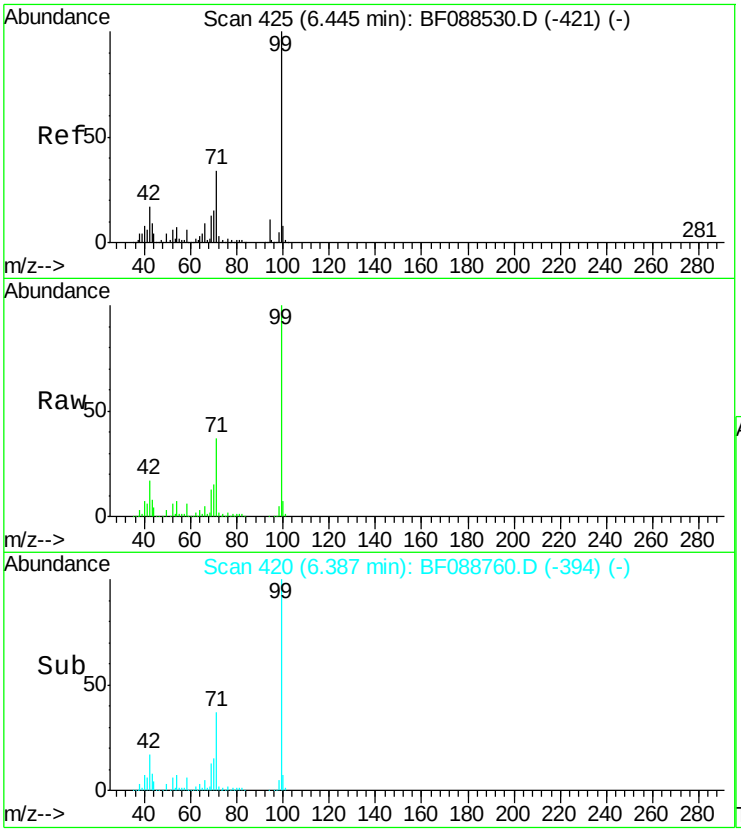


#5
2-Fluorophenol
Concen: 91.52 ng
RT: 5.34 min Scan# 328
Delta R.T. -0.00 min
Lab File: BF088760.D
Acq: 7 Jul 2016 3:49

Tgt Ion:112 Resp: 566999

Ion	Ratio	Lower	Upper
112	100		
64	61.9	42.2	63.2
63	33.0	21.8	32.8#

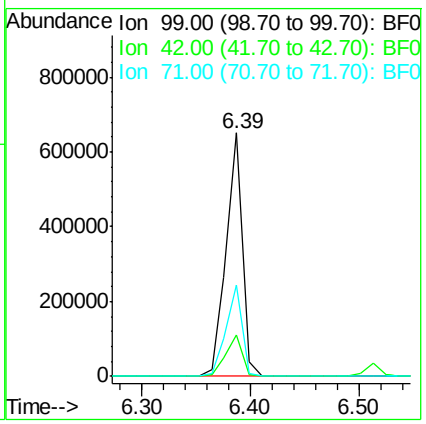




#7
Phenol-d6
Concen: 83.41 ng
RT: 6.39 min Scan# 420
Delta R.T. -0.00 min
Lab File: BF088760.D
Acq: 7 Jul 2016 3:49

Tgt Ion: 99 Resp: 667665

Ion	Ratio	Lower	Upper
99	100		
42	17.2	12.2	18.2
71	37.3	23.4	35.0#



Instrument :
BNA_F
ClientSampleId :
C2.1-04

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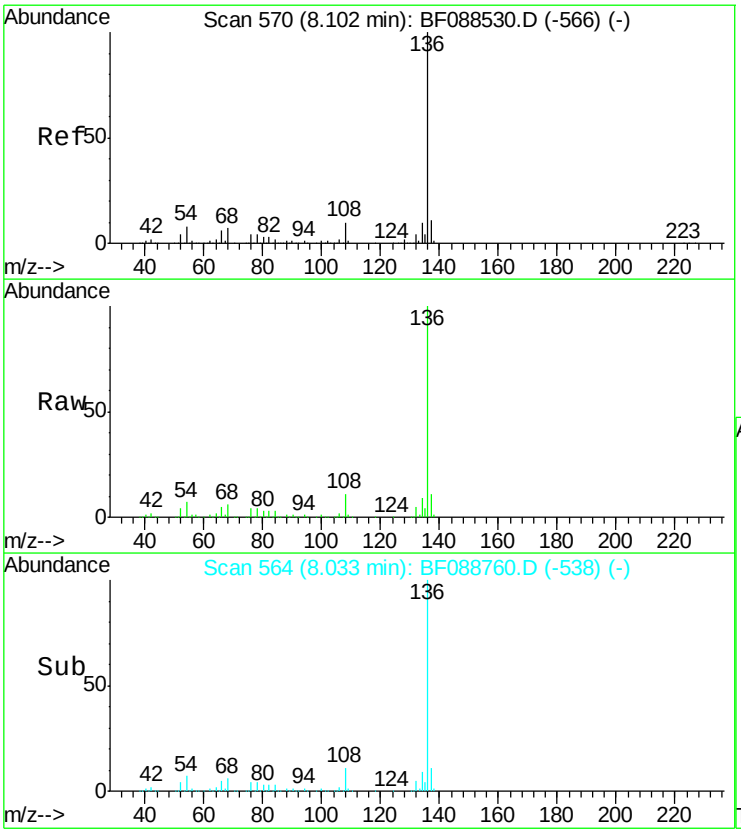
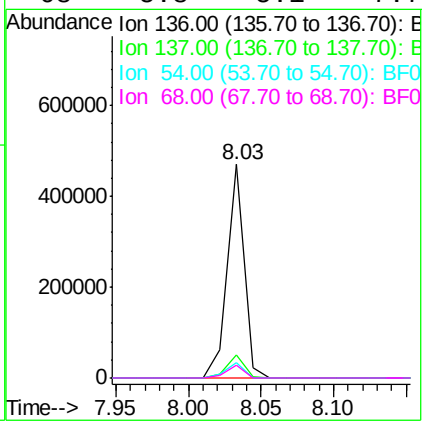
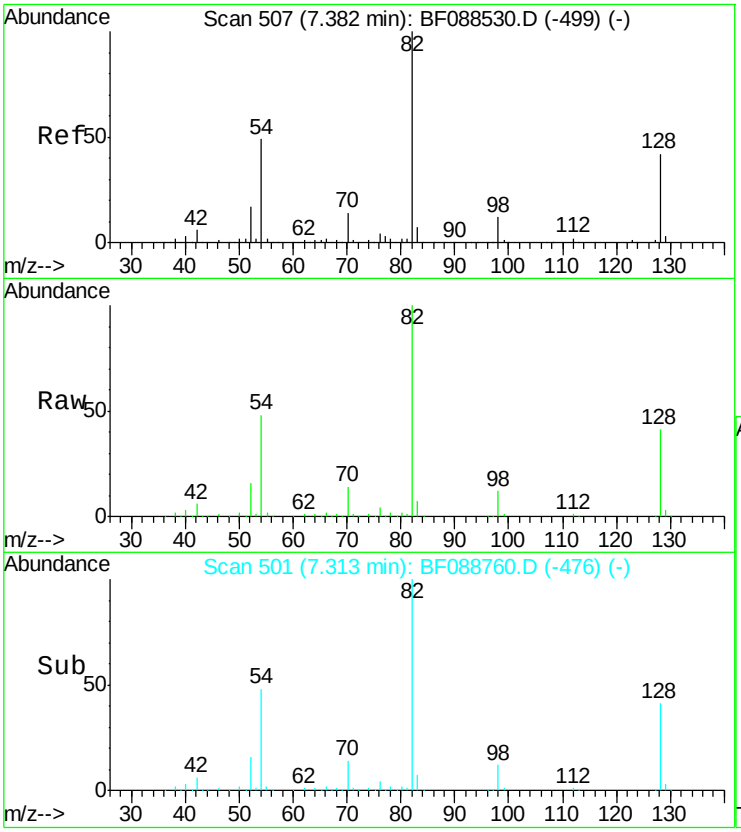


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.03 min Scan# 564
Delta R.T. -0.00 min
Lab File: BF088760.D
Acq: 7 Jul 2016 3:49

Tgt Ion:136 Resp: 381677

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	7.3	6.6	10.0
68	5.8	5.1	7.7

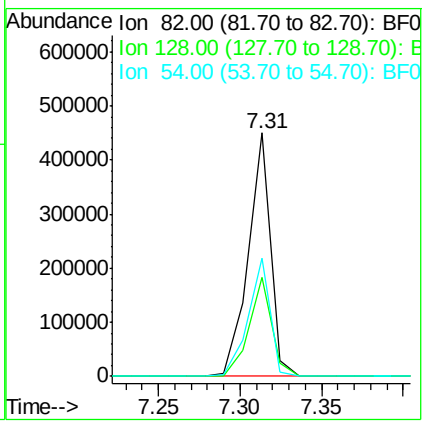




#23
Nitrobenzene-d5
Concen: 58.45 ng
RT: 7.31 min Scan# 501
Delta R.T. -0.01 min
Lab File: BF088760.D
Acq: 7 Jul 2016 3:49

Tgt Ion: 82 Resp: 425717

Ion	Ratio	Lower	Upper
82	100		
128	40.6	35.9	53.9
54	48.4	40.9	61.3



Instrument :
BNA_F
ClientSampleId :
C2.1-04

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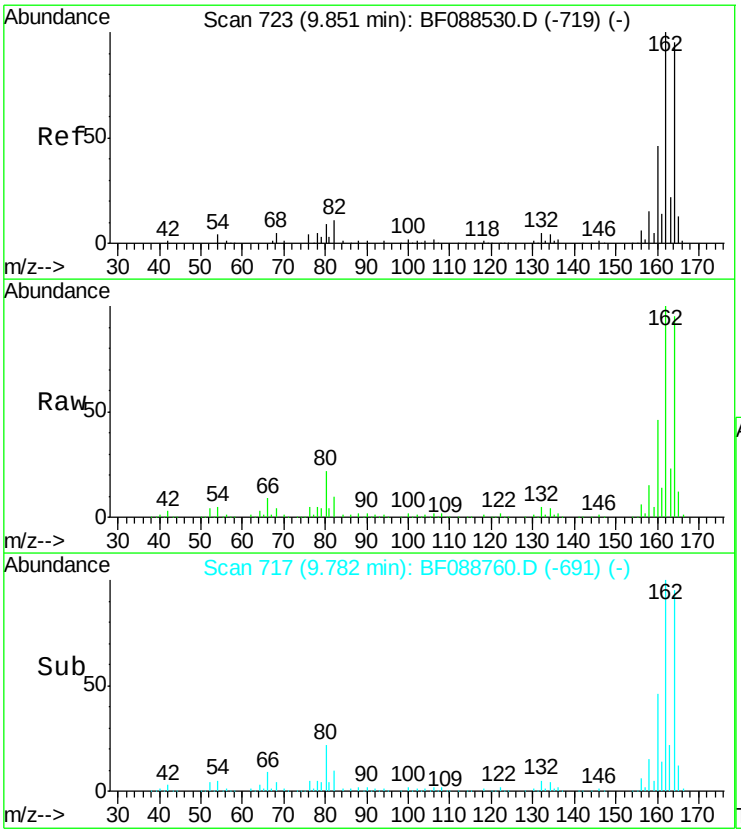
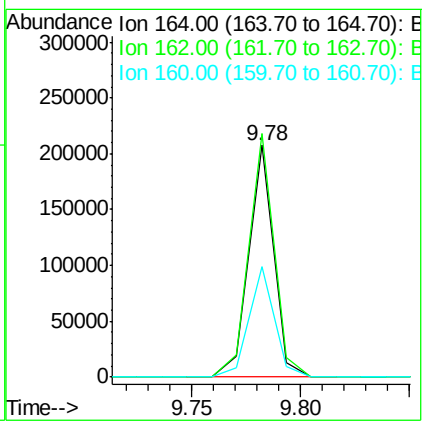
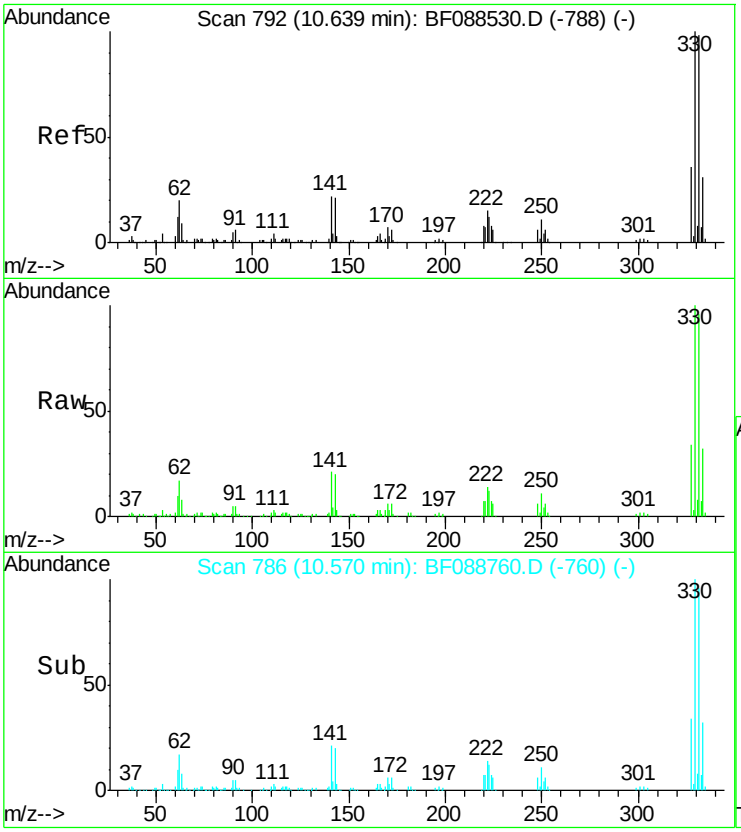


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.78 min Scan# 717
Delta R.T. -0.00 min
Lab File: BF088760.D
Acq: 7 Jul 2016 3:49

Tgt Ion:164 Resp: 164186

Ion	Ratio	Lower	Upper
164	100		
162	104.9	85.4	128.2
160	47.9	39.5	59.3

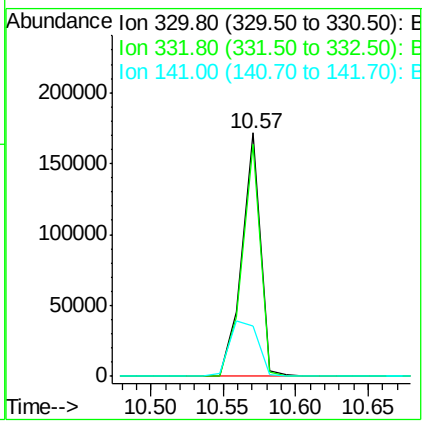




#41
2,4,6-Tribromophenol
Concen: 100.06 ng
RT: 10.57 min Scan# 786
Delta R.T. -0.00 min
Lab File: BF088760.D
Acq: 7 Jul 2016 3:49

Tgt Ion:330 Resp: 152561

Ion	Ratio	Lower	Upper
330	100		
332	94.9	0.0	0.0#
141	36.1	0.0	0.0#



Instrument :
BNA_F
ClientSampleId :
C2.1-04

Manual Integrations
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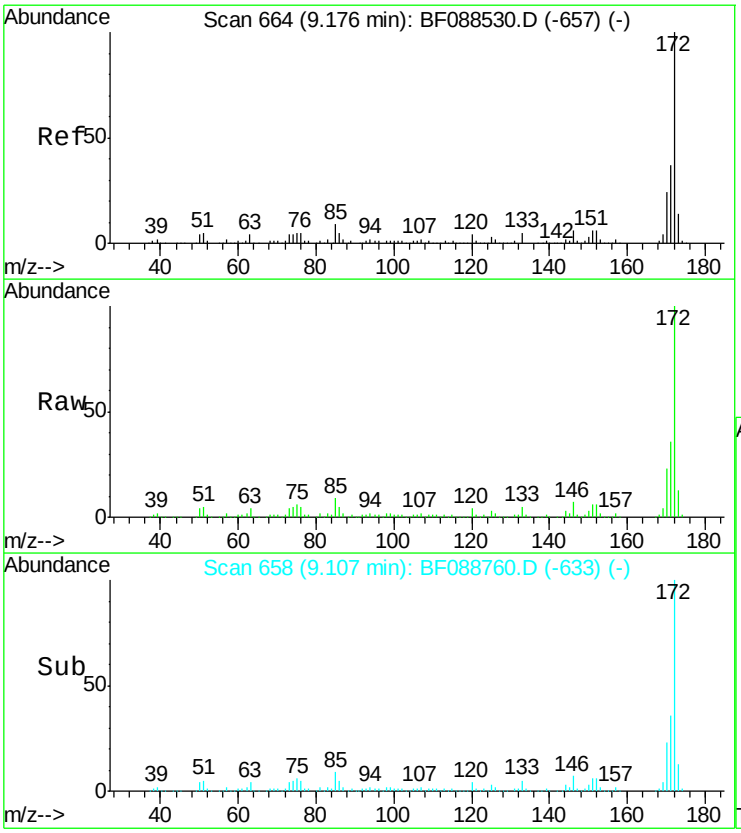
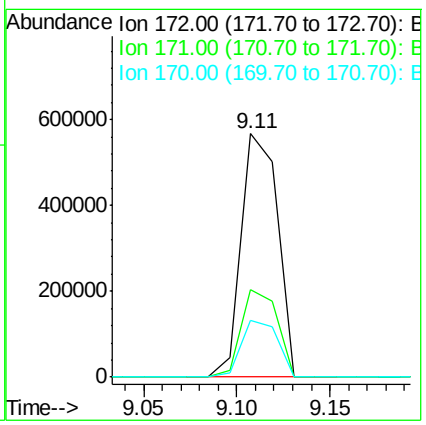
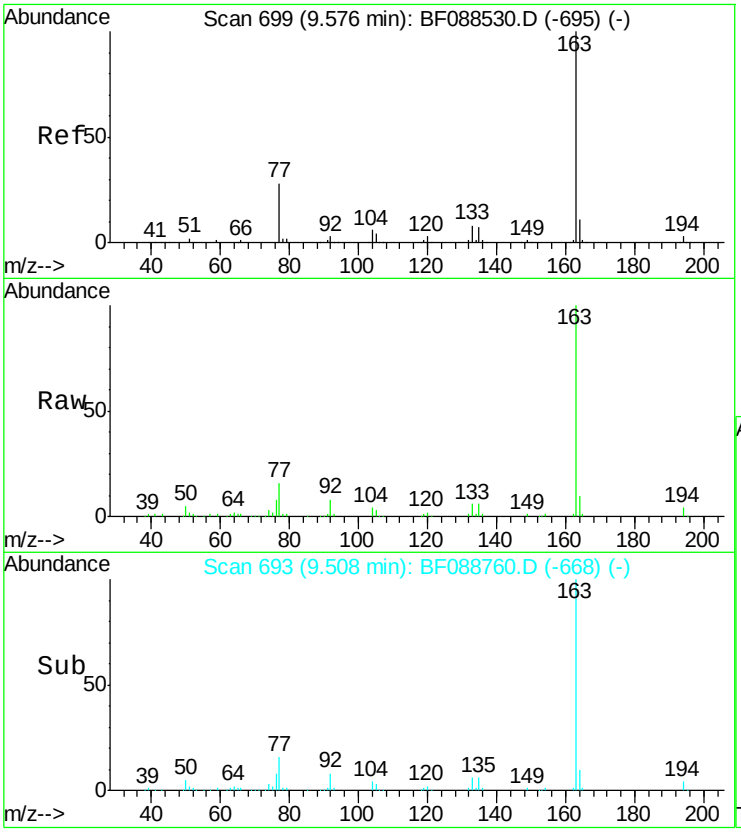


#44
2-Fluorobiphenyl
Concen: 73.70 ng
RT: 9.11 min Scan# 658
Delta R.T. -0.01 min
Lab File: BF088760.D
Acq: 7 Jul 2016 3:49

Tgt Ion:172 Resp: 766013

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.6	43.0
170	23.5	19.2	28.8

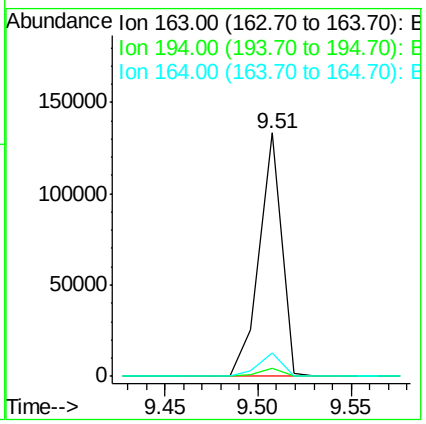




#49
Dimethylphthalate
Concen: 9.43 ng
RT: 9.51 min Scan# 693
Delta R.T. -0.01 min
Lab File: BF088760.D
Acq: 7 Jul 2016 3:49

Tgt Ion:163 Resp: 110279

Ion	Ratio	Lower	Upper
163	100		
194	3.6	2.8	4.2
164	9.8	8.3	12.5



Instrument :
BNA_F
ClientSampleId :
C2.1-04

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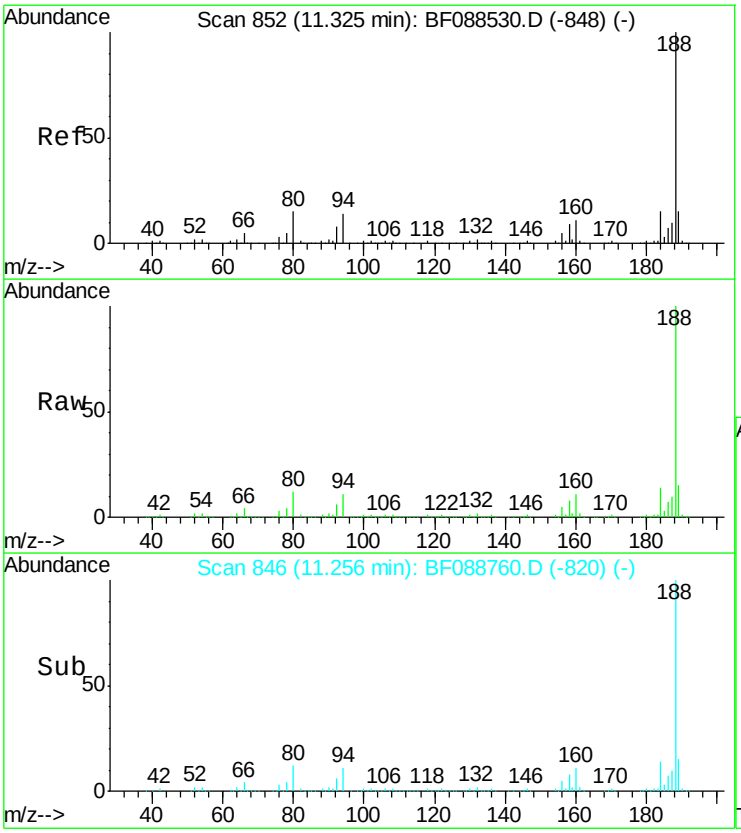
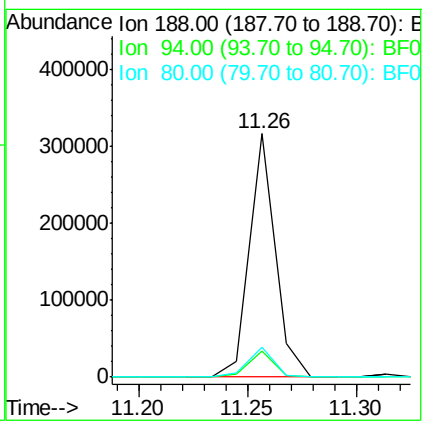
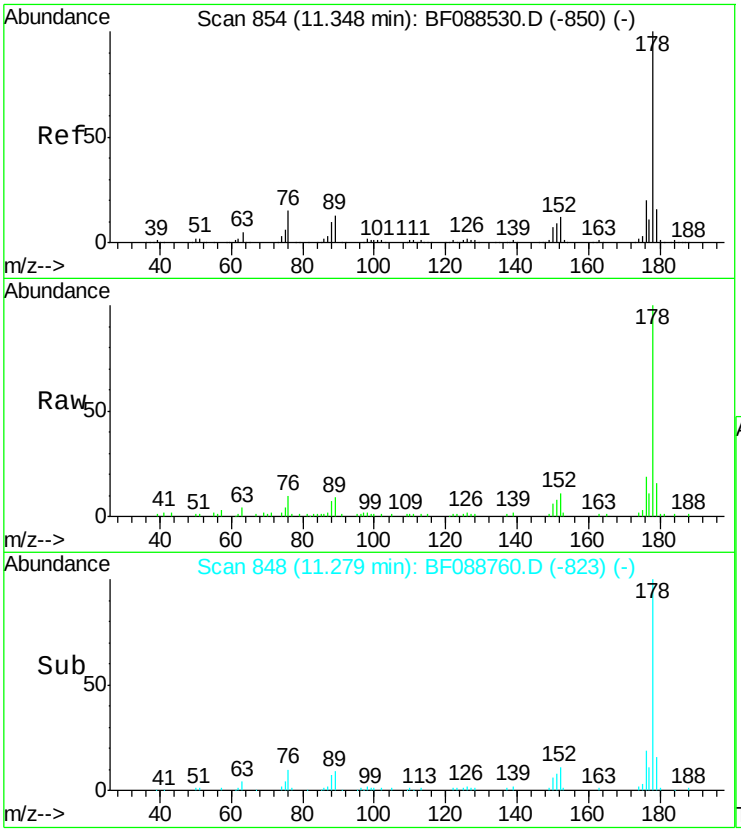


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.26 min Scan# 846
Delta R.T. -0.00 min
Lab File: BF088760.D
Acq: 7 Jul 2016 3:49

Tgt Ion:188 Resp: 262792

Ion	Ratio	Lower	Upper
188	100		
94	10.9	9.0	13.6
80	12.5	10.0	15.0

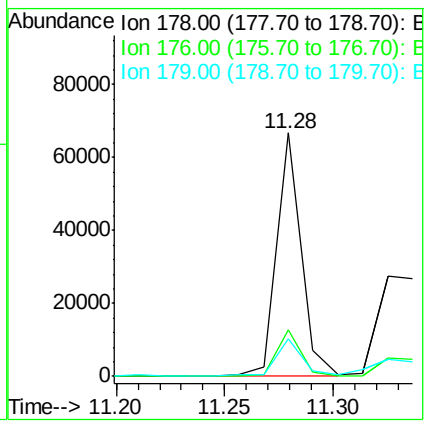




#70
Phenanthrene
Concen: 3.70 ng
RT: 11.28 min Scan# 848
Delta R.T. -0.01 min
Lab File: BF088760.D
Acq: 7 Jul 2016 3:49

Tgt Ion:178 Resp: 53197

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.6
179	15.7	13.0	19.4



Instrument :
BNA_F
ClientSampleId :
C2.1-04

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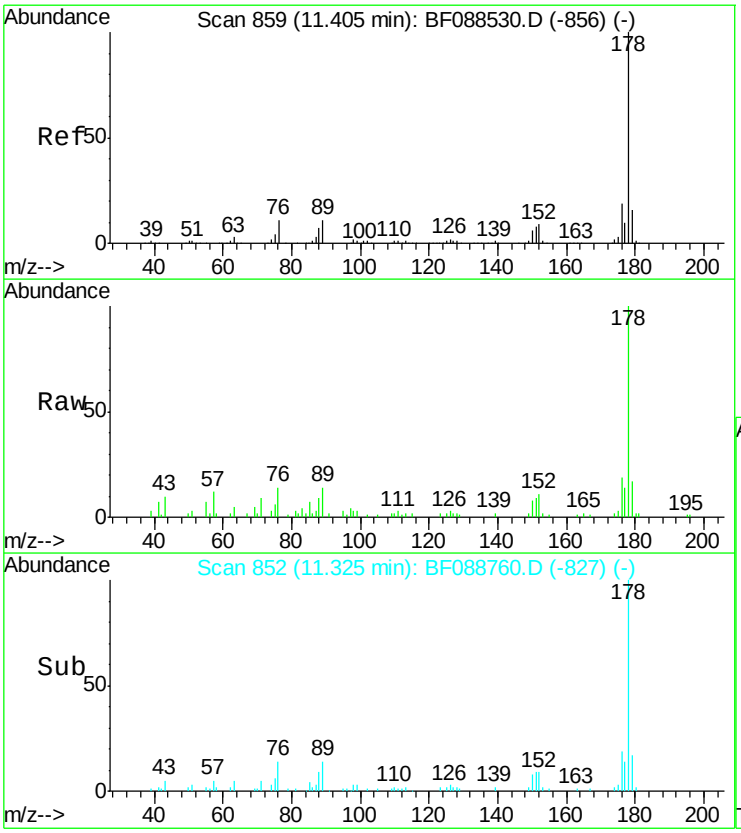
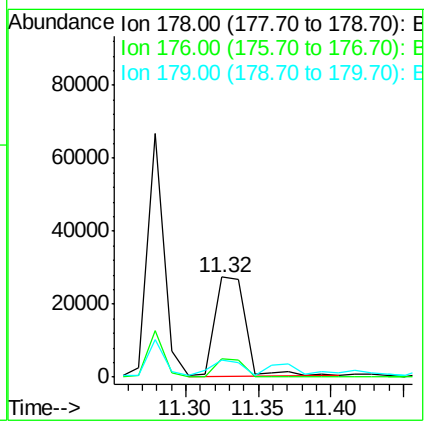
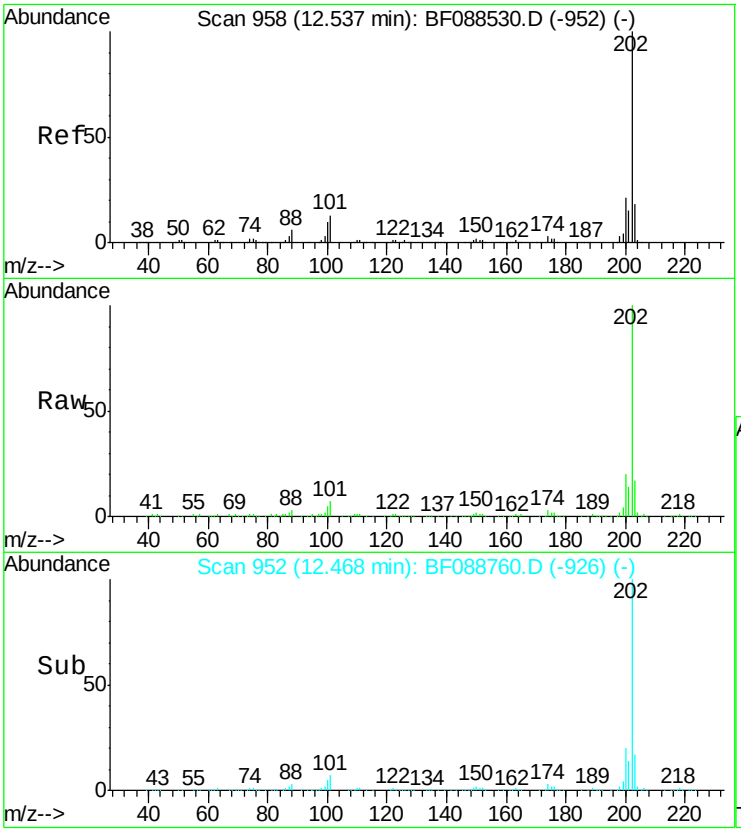


#71
Anthracene
Concen: 2.75 ng
RT: 11.32 min Scan# 852
Delta R.T. -0.01 min
Lab File: BF088760.D
Acq: 7 Jul 2016 3:49

Tgt Ion:178 Resp: 39290

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.6	23.4
179	17.5	12.8	19.2

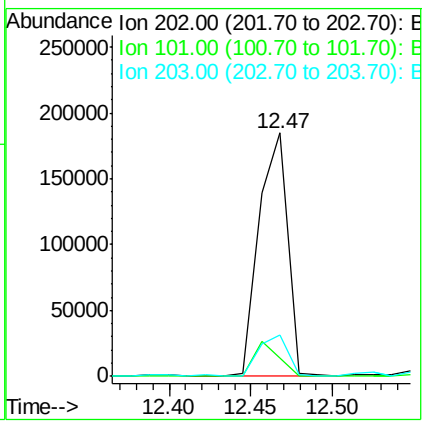




#74
Fluoranthene
Concen: 15.45 ng
RT: 12.47 min Scan# 952
Delta R.T. -0.00 min
Lab File: BF088760.D
Acq: 7 Jul 2016 3:49

Tgt Ion:202 Resp: 225040

Ion	Ratio	Lower	Upper
202	100		
101	7.4	0.0	33.1
203	16.9	0.0	38.1



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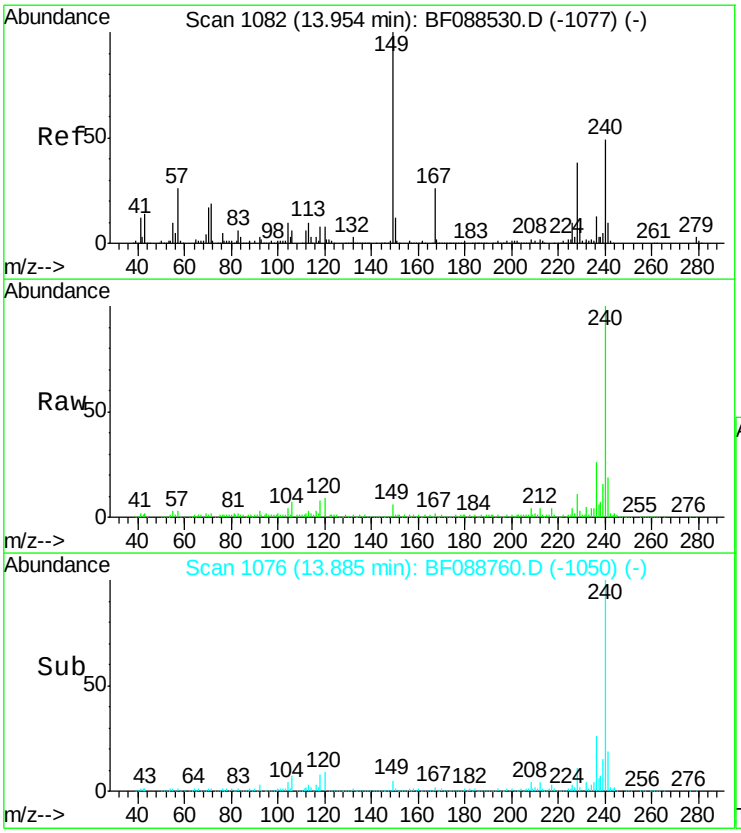
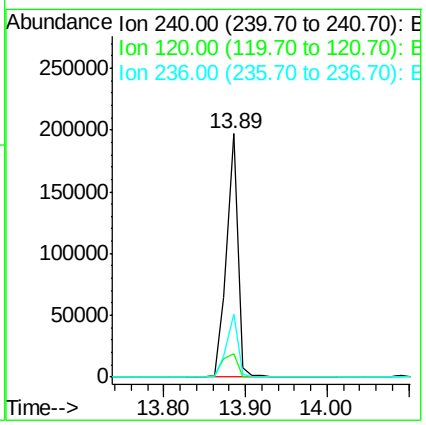
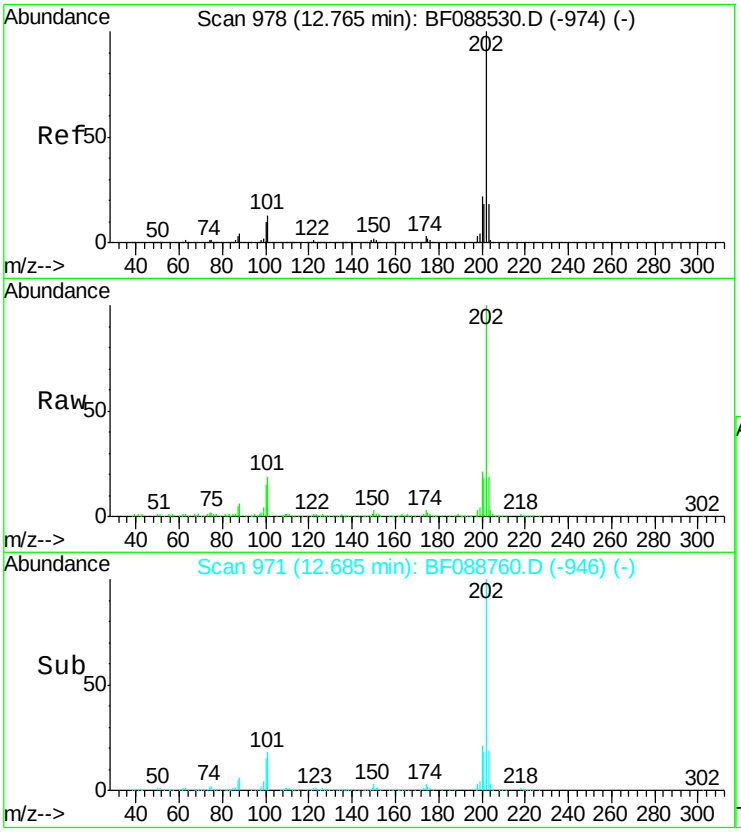


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.89 min Scan# 1076
Delta R.T. -0.00 min
Lab File: BF088760.D
Acq: 7 Jul 2016 3:49

Tgt Ion:240 Resp: 189404

Ion	Ratio	Lower	Upper
240	100		
120	9.4	6.8	10.2
236	25.9	20.2	30.2

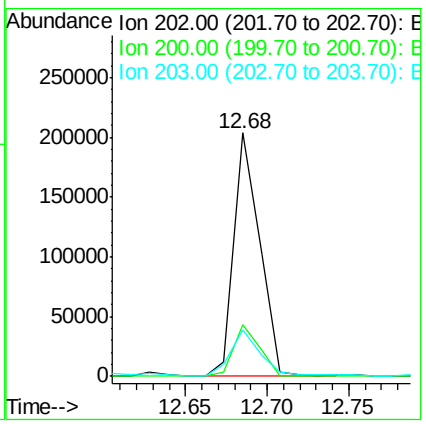




#77
Pyrene
Concen: 13.62 ng
RT: 12.68 min Scan# 971
Delta R.T. -0.01 min
Lab File: BF088760.D
Acq: 7 Jul 2016 3:49

Tgt Ion:202 Resp: 218750

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.2
203	19.1	14.5	21.7



Instrument :
BNA_F
ClientSampleId :
C2.1-04

Manual Integrations
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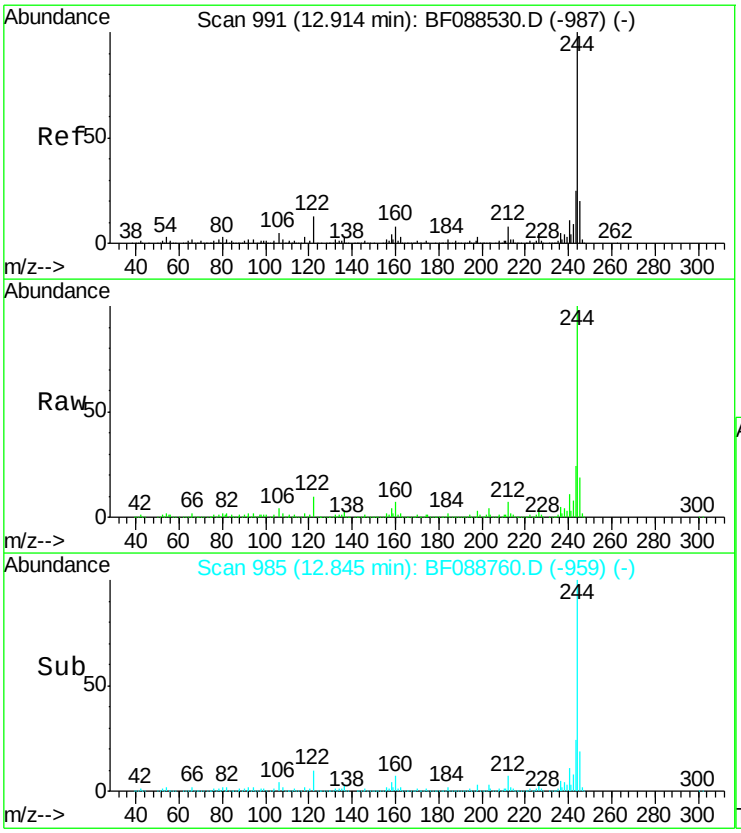
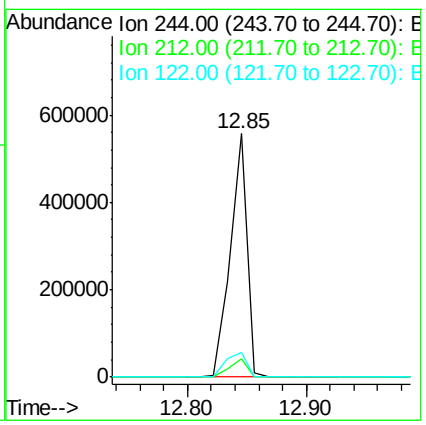
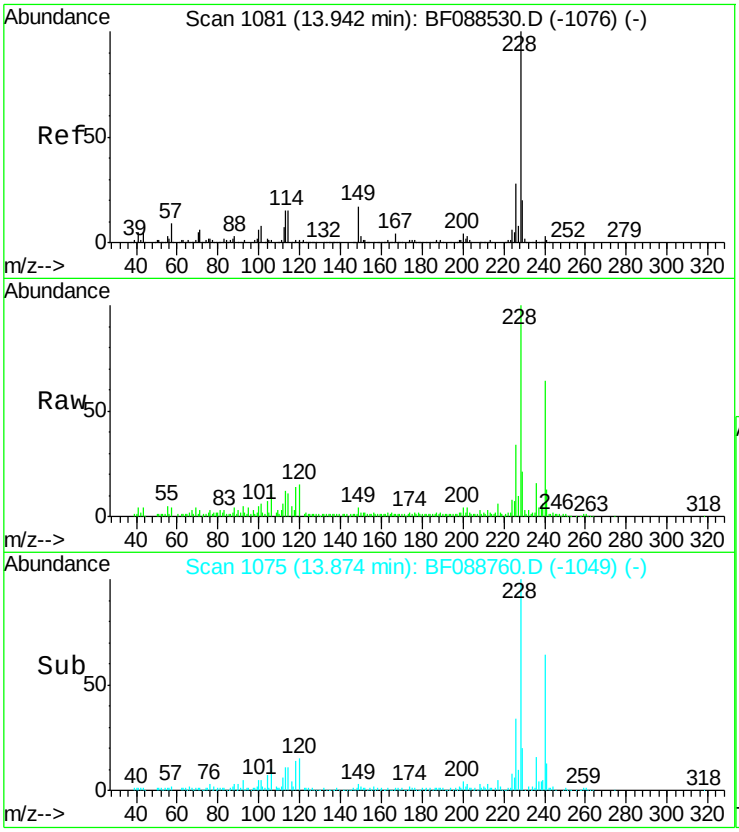


#78
Terphenyl-d14
Concen: 63.96 ng
RT: 12.85 min Scan# 985
Delta R.T. -0.00 min
Lab File: BF088760.D
Acq: 7 Jul 2016 3:49

Tgt Ion:244 Resp: 543907

Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.0	9.0
122	10.1	11.2	16.8#

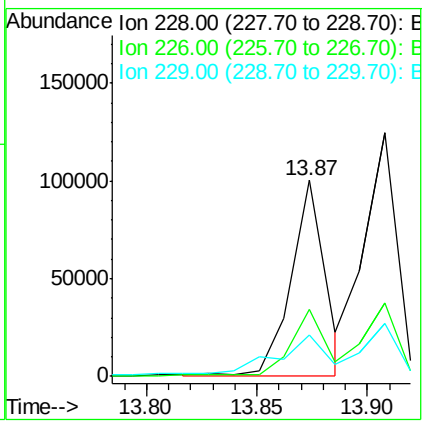




#80
Benzo(a)anthracene
Concen: 8.83 ng m
RT: 13.87 min Scan# 1075
Delta R.T. -0.00 min
Lab File: BF088760.D
Acq: 7 Jul 2016 3:49

Tgt Ion:228 Resp: 107709

Ion	Ratio	Lower	Upper
228	100		
226	34.3	22.3	33.5#
229	21.4	16.0	24.0



Instrument :
BNA_F
ClientSampleId :
C2.1-04

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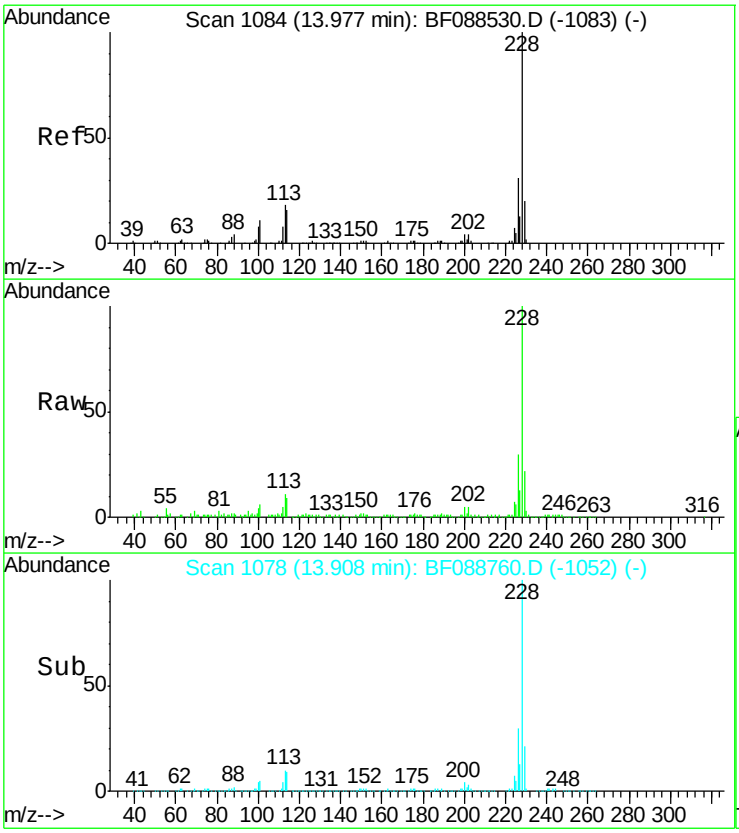
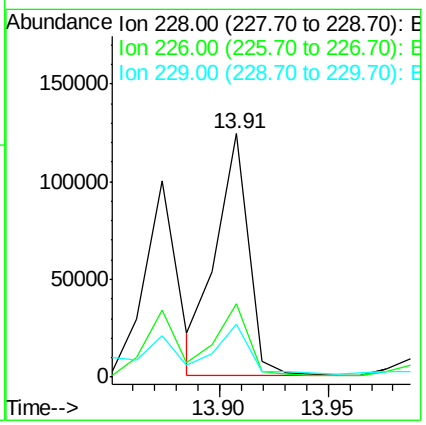
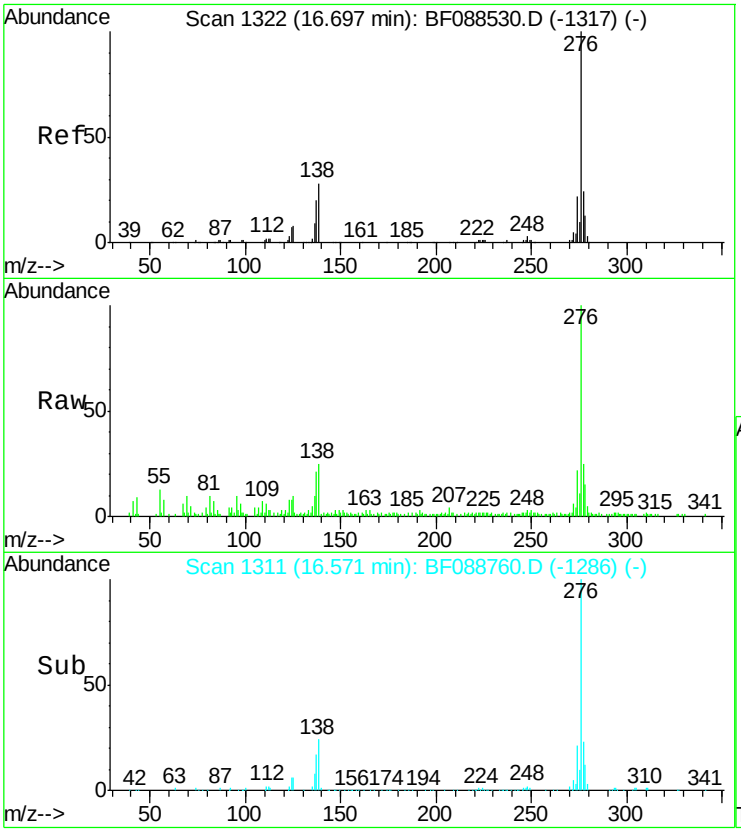


#82
Chrysene
Concen: 10.61 ng
RT: 13.91 min Scan# 1078
Delta R.T. -0.00 min
Lab File: BF088760.D
Acq: 7 Jul 2016 3:49

Tgt Ion:228 Resp: 128040

Ion	Ratio	Lower	Upper
228	100		
226	30.2	25.4	38.2
229	21.7	16.3	24.5





#85
Indeno(1,2,3-cd)pyrene
Concen: 7.72 ng
RT: 16.57 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF088760.D
Acq: 7 Jul 2016 3:49

Tgt Ion:276 Resp: 71653

Ion	Ratio	Lower	Upper
276	100		
138	24.0	0.0	0.0#
277	25.8	0.0	0.0#

Instrument :
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ClientSampleId :
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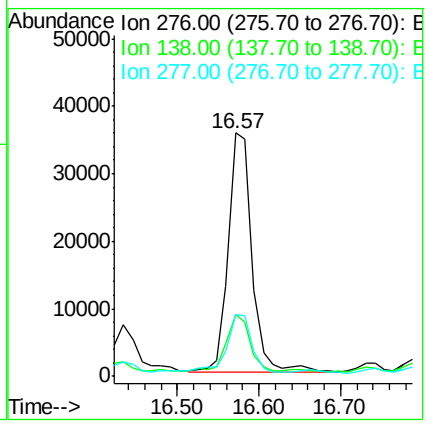
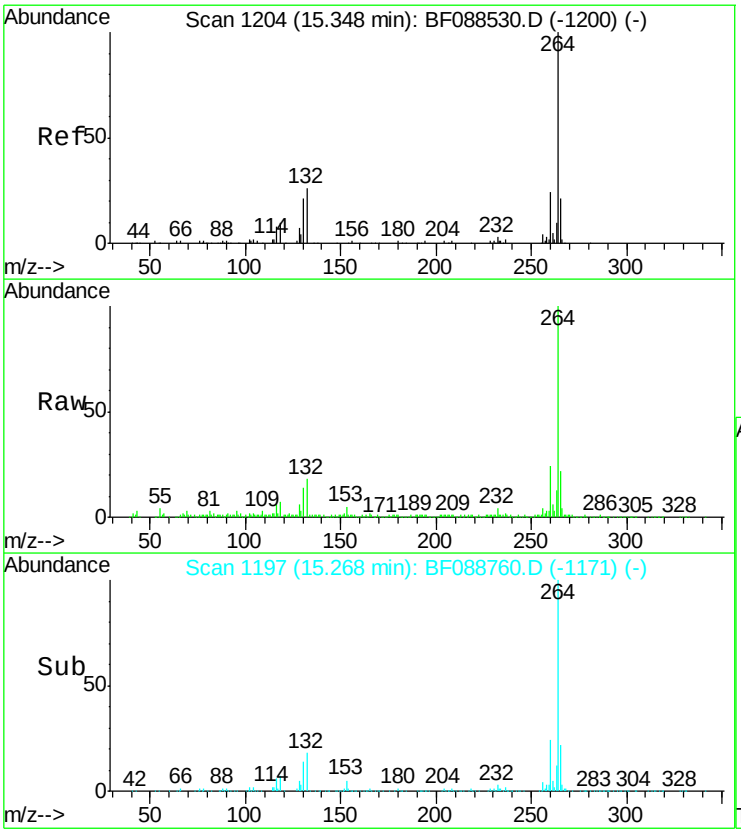
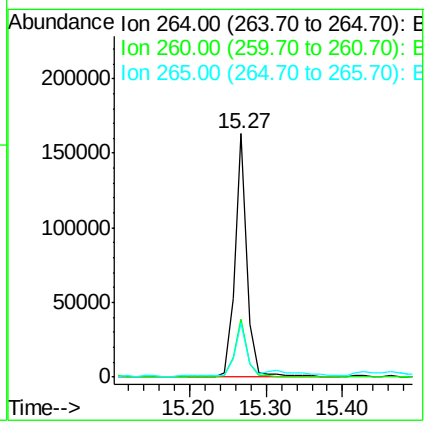


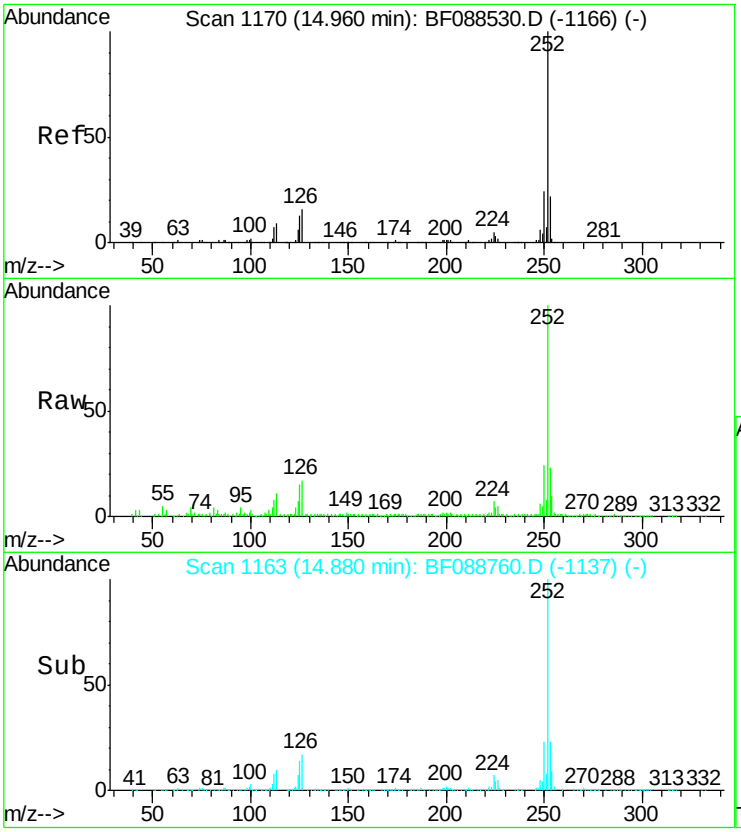


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.27 min Scan# 1197
Delta R.T. -0.00 min
Lab File: BF088760.D
Acq: 7 Jul 2016 3:49

Tgt Ion:264 Resp: 179599

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.2	16.9	25.3

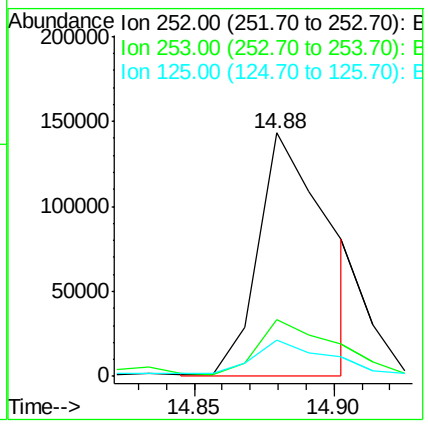




#87
Benzo(b)fluoranthene
Concen: 22.10 ng m
RT: 14.88 min Scan# 1163
Delta R.T. -0.00 min
Lab File: BF088760.D
Acq: 7 Jul 2016 3:49

Tgt Ion:252 Resp: 249001

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.2
125	14.8	7.1	10.7#



Instrument :
BNA_F
ClientSampleId :
C2.1-04

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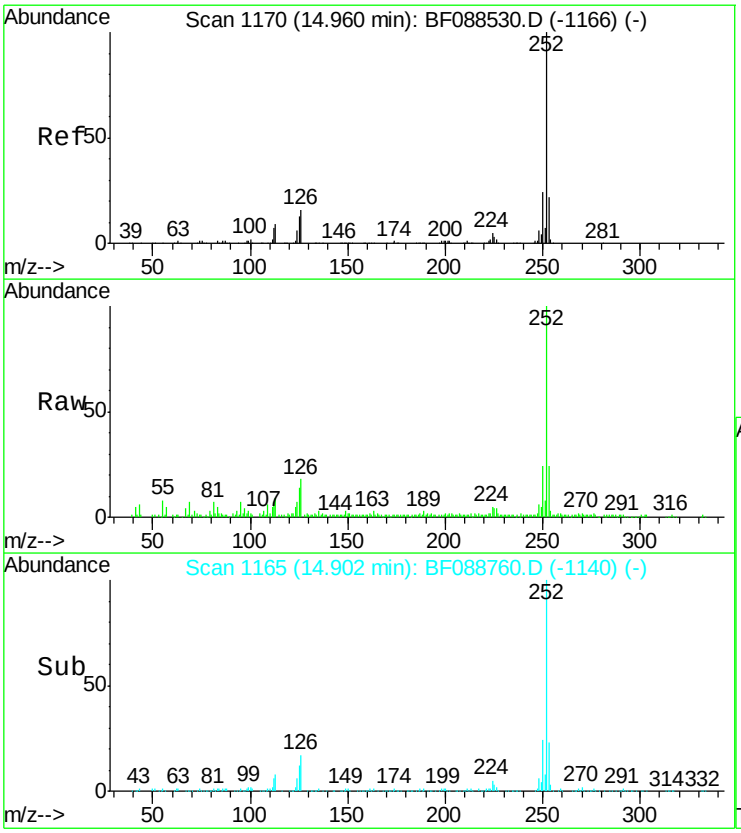
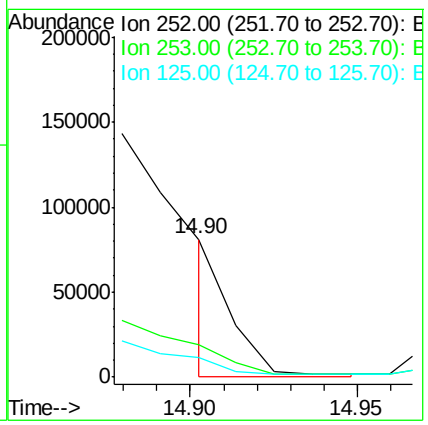
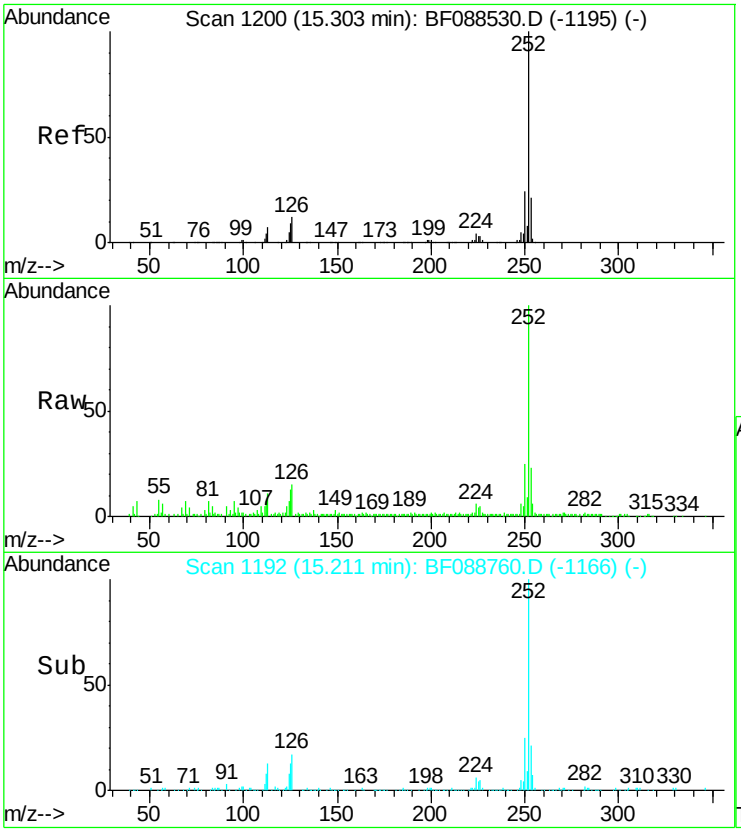


#88
Benzo(k)fluoranthene
Concen: 2.59 ng m
RT: 14.90 min Scan# 1165
Delta R.T. -0.01 min
Lab File: BF088760.D
Acq: 7 Jul 2016 3:49

Tgt Ion:252 Resp: 25364

Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.0	27.0
125	14.1	11.2	16.8

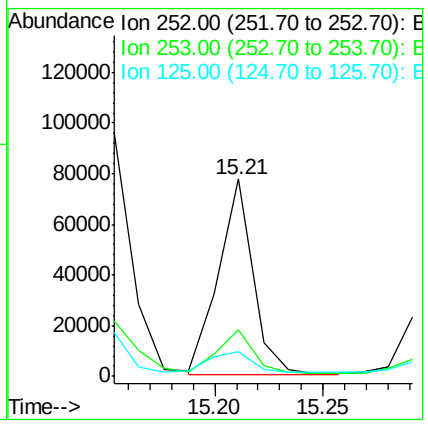




#89
Benzo(a)pyrene
Concen: 8.92 ng
RT: 15.21 min Scan# 1192
Delta R.T. -0.00 min
Lab File: BF088760.D
Acq: 7 Jul 2016 3:49

Tgt Ion:252 Resp: 85066

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	12.7	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
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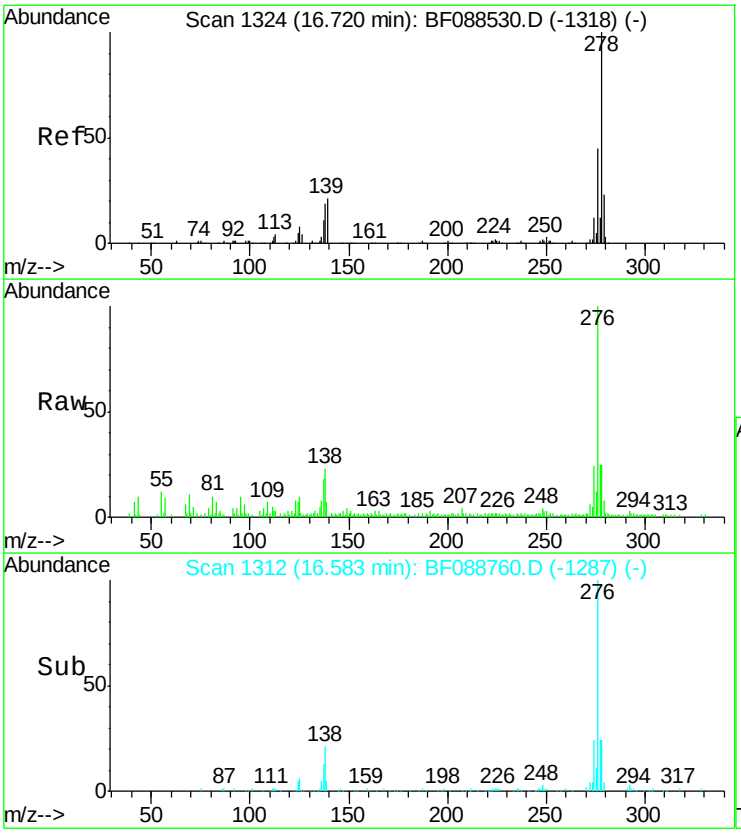
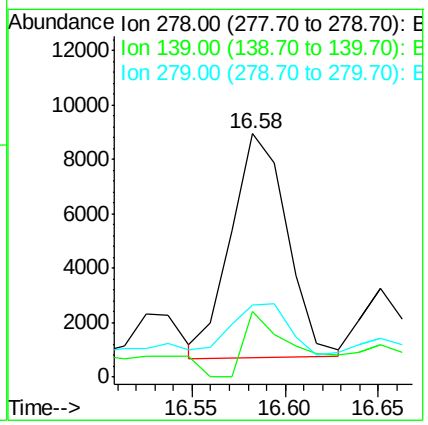
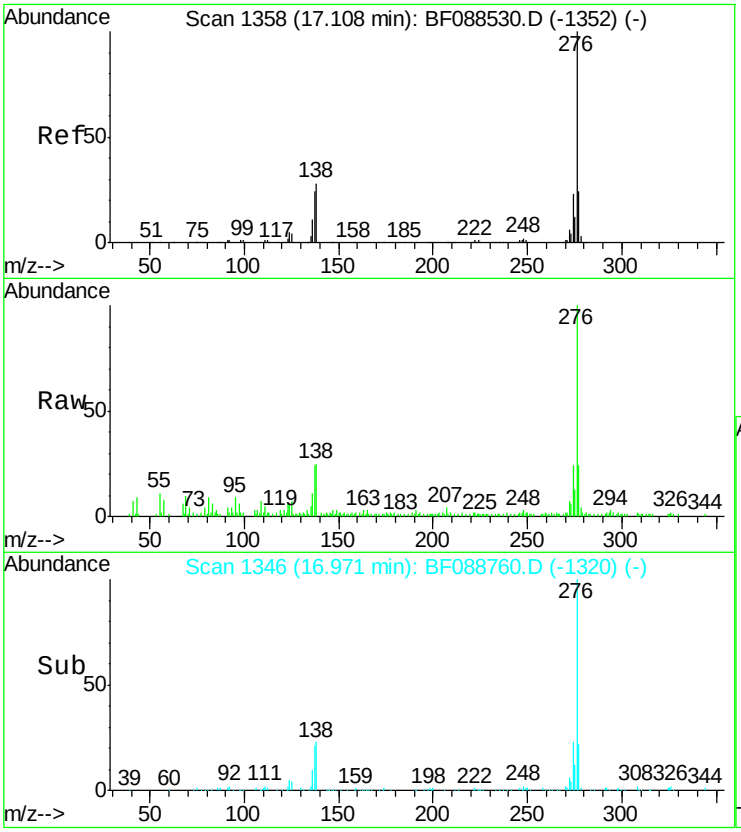


#90
Dibenzo(a,h)anthracene
Concen: 2.17 ng
RT: 16.58 min Scan# 1312
Delta R.T. -0.01 min
Lab File: BF088760.D
Acq: 7 Jul 2016 3:49

Tgt Ion:278 Resp: 17254

Ion	Ratio	Lower	Upper
278	100		
139	27.1	15.7	23.5#
279	29.7	19.4	29.2#

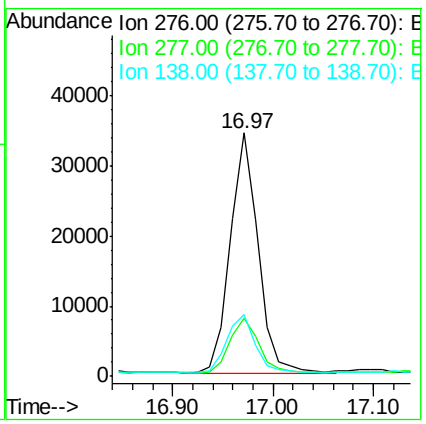




#91
Benzo(g,h,i)perylene
Concen: 7.98 ng
RT: 16.97 min Scan# 1346
Delta R.T. -0.00 min
Lab File: BF088760.D
Acq: 7 Jul 2016 3:49

Tgt Ion:276 Resp: 65778

Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.9	28.3
138	25.3	21.4	32.2



Instrument :
BNA_F
ClientSampleId :
C2.1-04

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