Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070316\
Data File : BF088678.D
Acq On : 4 Jul 2016 6:48
Operator : UM/SJ
Sample : H3784-06
Misc :
ALS Vial : 37 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : E10-B2(0-12)C

Manual Integrations APPROVED
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Quant Time: Jul 04 07:53:34 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF063016.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jun 30 18:01:55 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	108758	20.00	ng	-0.02
21) Naphthalene-d8	8.07	136	436900	20.00	ng	-0.03
38) Acenaphthene-d10	9.82	164	185314	20.00	ng	-0.03
63) Phenanthrene-d10	11.29	188	289397	20.00	ng	-0.03
75) Chrysene-d12	13.92	240	221347	20.00	ng	-0.03
86) Perylene-d12	15.31	264	204696	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	803612	110.74	ng	-0.02
7) Phenol-d6	6.42	99	992550	105.85	ng	-0.02
23) Nitrobenzene-d5	7.35	82	593164	71.15	ng	-0.03
41) 2,4,6-Tribromophenol	10.60	330	175936	102.24	ng	-0.03
44) 2-Fluorobiphenyl	9.14	172	857130	73.06	ng	-0.03
78) Terphenyl-d14	12.88	244	625272	62.92	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	9.54	163	119182	9.03	ng	98
70) Phenanthrene	11.31	178	115651	7.31	ng	99
74) Fluoranthene	12.50	202	246278	15.36	ng	94
77) Pyrene	12.72	202	211946	11.29	ng	98
80) Benzo(a)anthracene	13.91	228	122677	8.61	ng	98
82) Chrysene	13.94	228	128494m	9.11	ng	
83) Bis(2-ethylhexyl)phthalate	13.92	149	220164	23.04	ng	100
85) Indeno(1,2,3-cd)pyrene	16.64	276	69088	6.37	ng	# 100
87) Benzo(b)fluoranthene	14.93	252	183267m	14.27	ng	
88) Benzo(k)fluoranthene	14.94	252	40811m	3.65	ng	
89) Benzo(a)pyrene	15.26	252	111408m	10.25	ng	
90) Dibenzo(a,h)anthracene	16.65	278	18201	2.00	ng	# 85
91) Benzo(g,h,i)perylene	17.04	276	68860	7.33	ng	99

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

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Manual Integrations APPROVED
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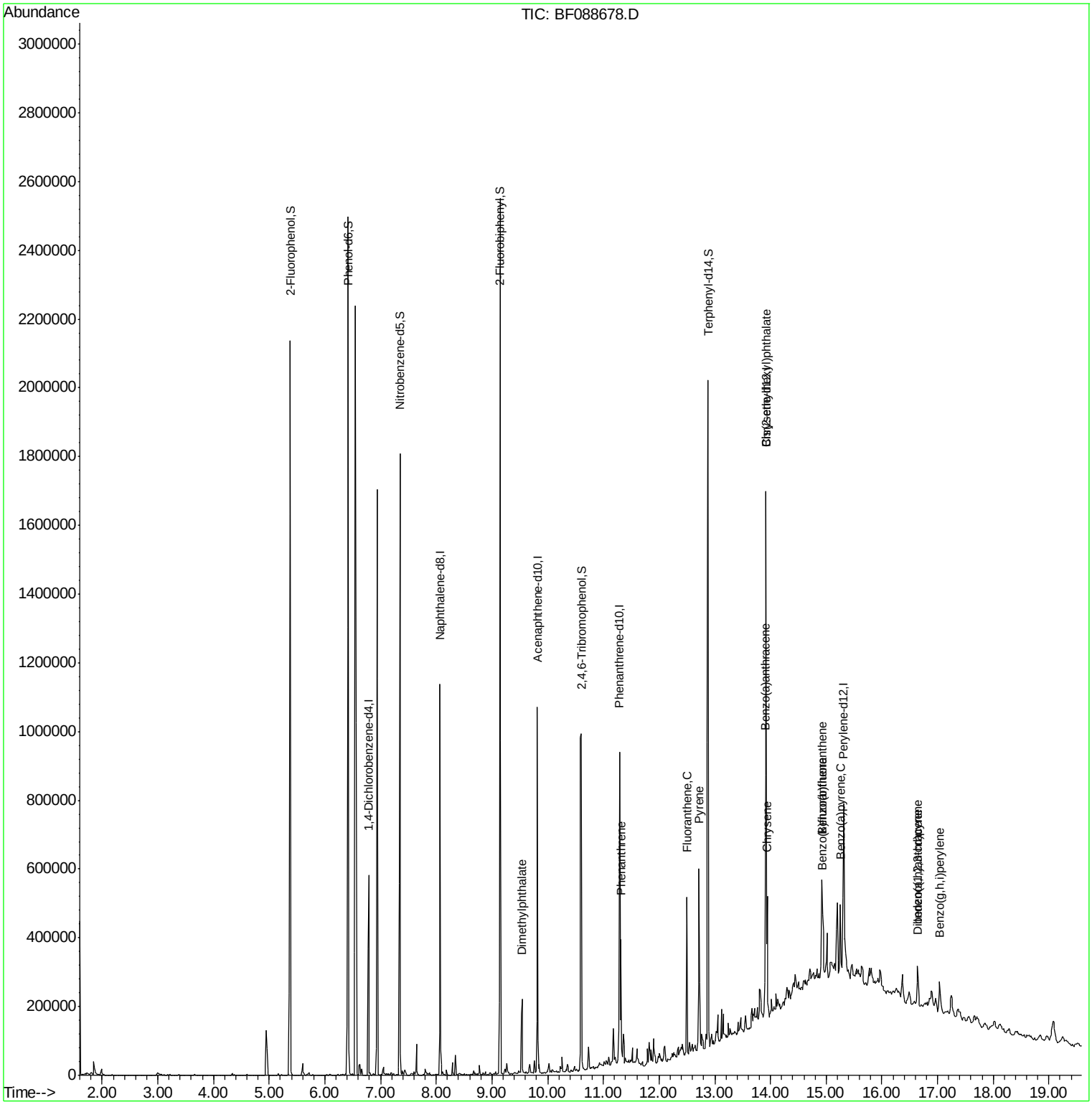
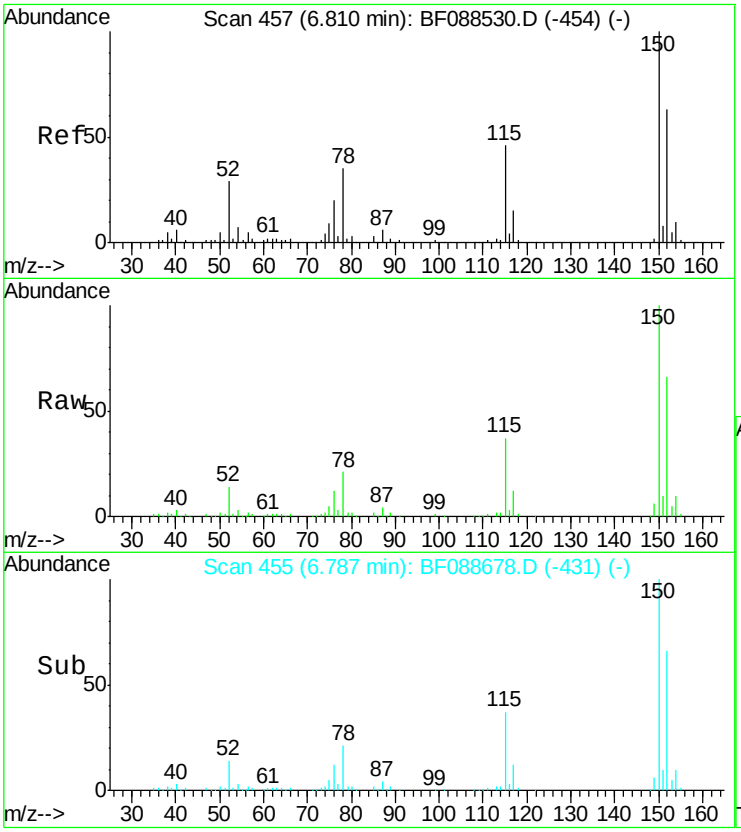
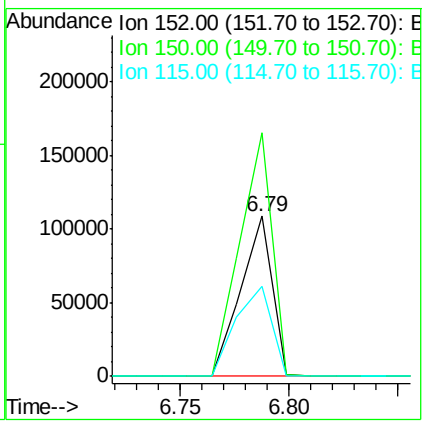




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.79 min Scan# 455
Delta R.T. -0.02 min
Lab File: BF088678.D
Acq: 4 Jul 2016 6:48

Tgt Ion:152 Resp: 108758

Ion	Ratio	Lower	Upper
152	100		
150	152.3	123.8	185.6
115	56.0	39.6	59.4



Instrument :
BNA_F
ClientSampleId :
E10-B2(0-12)C

Manual Integrations
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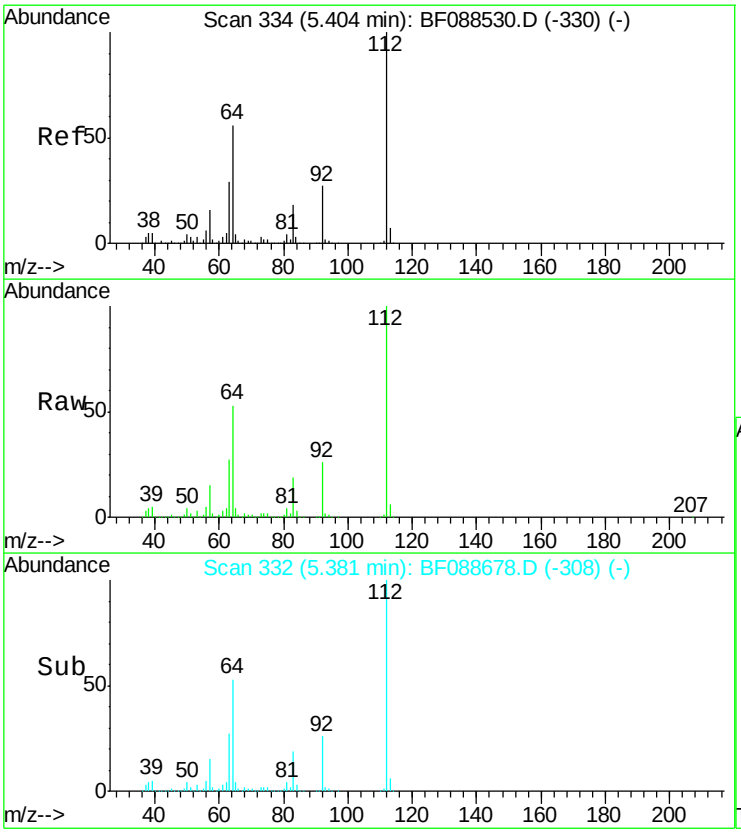
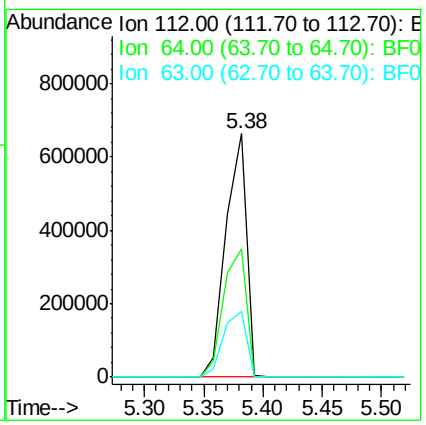
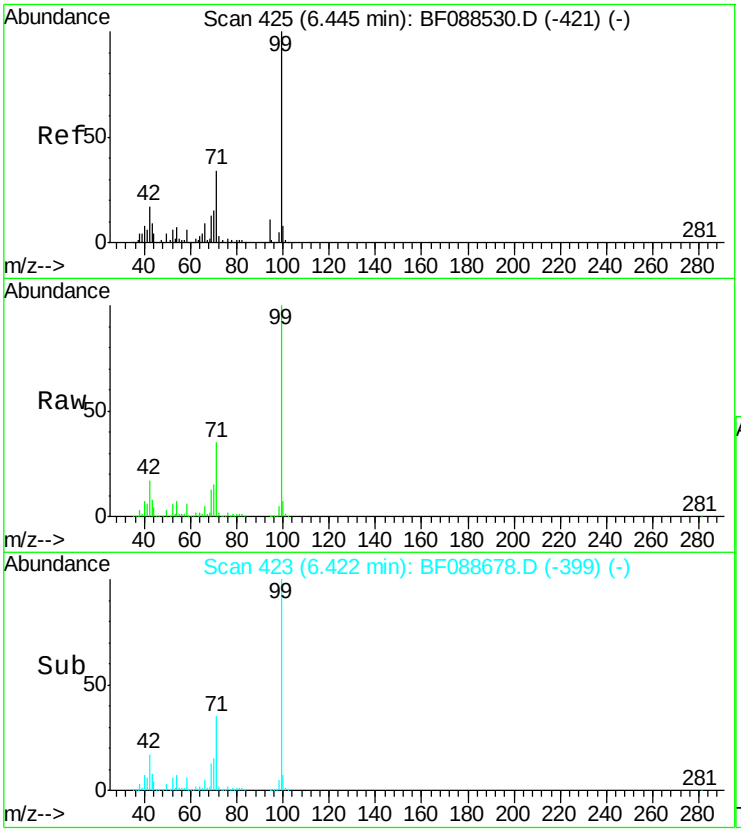


#5
2-Fluorophenol
Concen: 110.74 ng
RT: 5.38 min Scan# 332
Delta R.T. -0.02 min
Lab File: BF088678.D
Acq: 4 Jul 2016 6:48

Tgt Ion:112 Resp: 803612

Ion	Ratio	Lower	Upper
112	100		
64	52.7	42.2	63.2
63	27.1	21.8	32.8

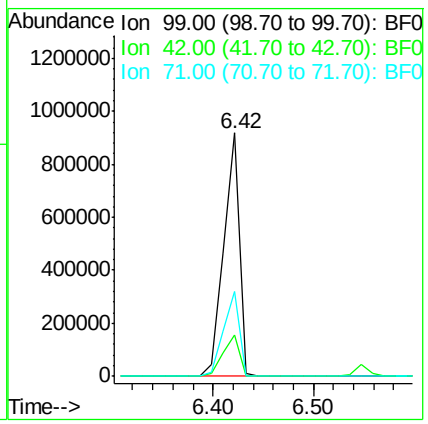




#7
Phenol-d6
Concen: 105.85 ng
RT: 6.42 min Scan# 423
Delta R.T. -0.02 min
Lab File: BF088678.D
Acq: 4 Jul 2016 6:48

Tgt Ion: 99 Resp: 992550

Ion	Ratio	Lower	Upper
99	100		
42	16.8	12.2	18.2
71	35.1	23.4	35.0#



Instrument :
BNA_F
ClientSampleId :
E10-B2(0-12)C

Manual Integrations
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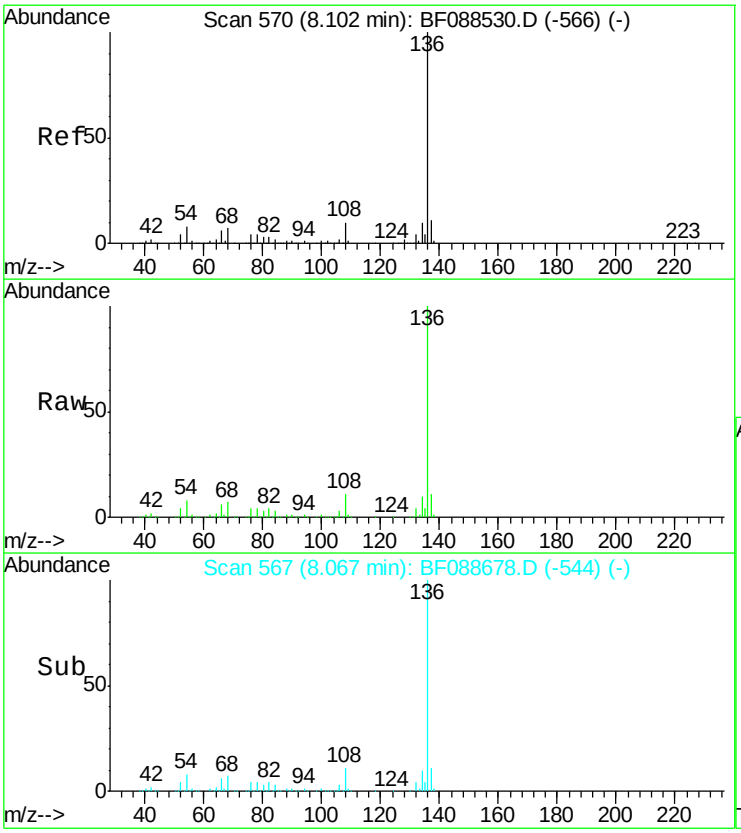
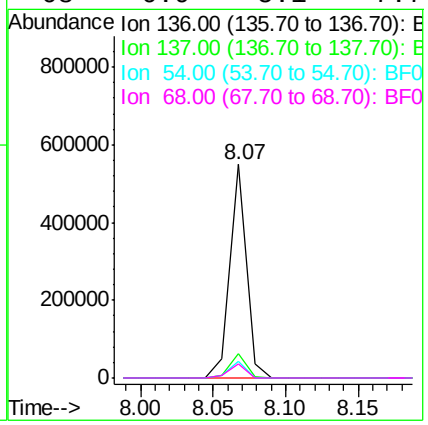
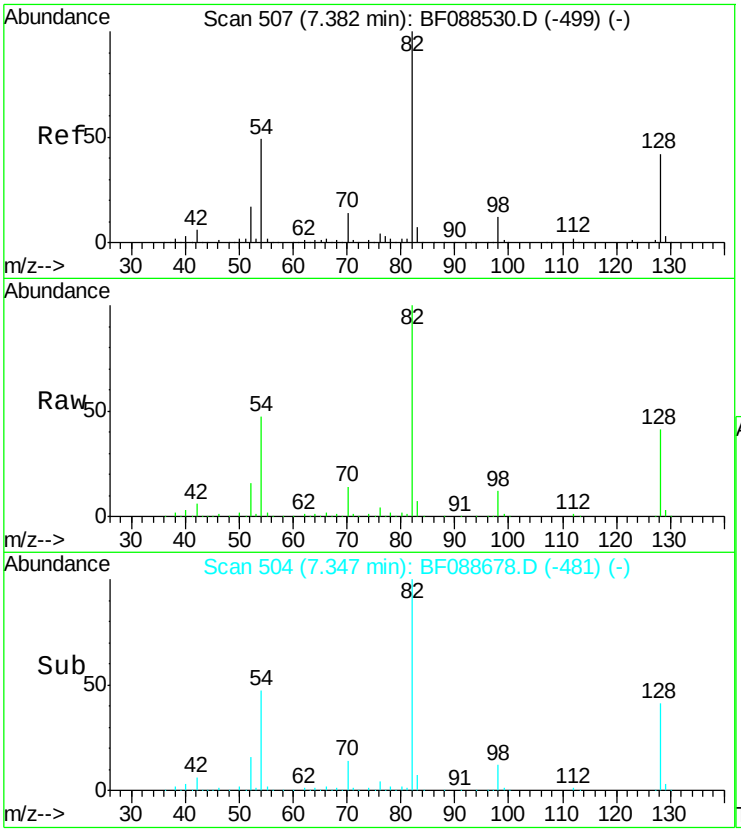


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.07 min Scan# 567
Delta R.T. -0.03 min
Lab File: BF088678.D
Acq: 4 Jul 2016 6:48

Tgt Ion:136 Resp: 436900

Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.1	13.7
54	8.1	6.6	10.0
68	6.9	5.1	7.7

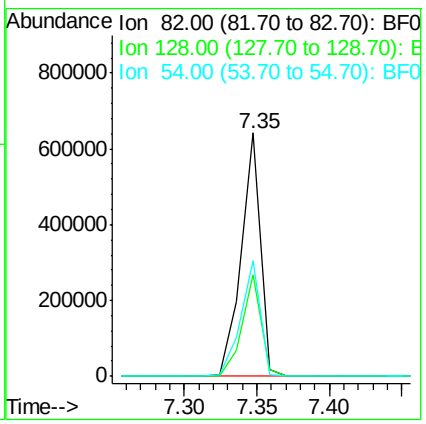




#23
Nitrobenzene-d5
Concen: 71.15 ng
RT: 7.35 min Scan# 504
Delta R.T. -0.03 min
Lab File: BF088678.D
Acq: 4 Jul 2016 6:48

Tgt Ion: 82 Resp: 593164

Ion	Ratio	Lower	Upper
82	100		
128	41.5	35.9	53.9
54	47.4	40.9	61.3



Instrument :
BNA_F
ClientSampleId :
E10-B2(0-12)C

Manual Integrations
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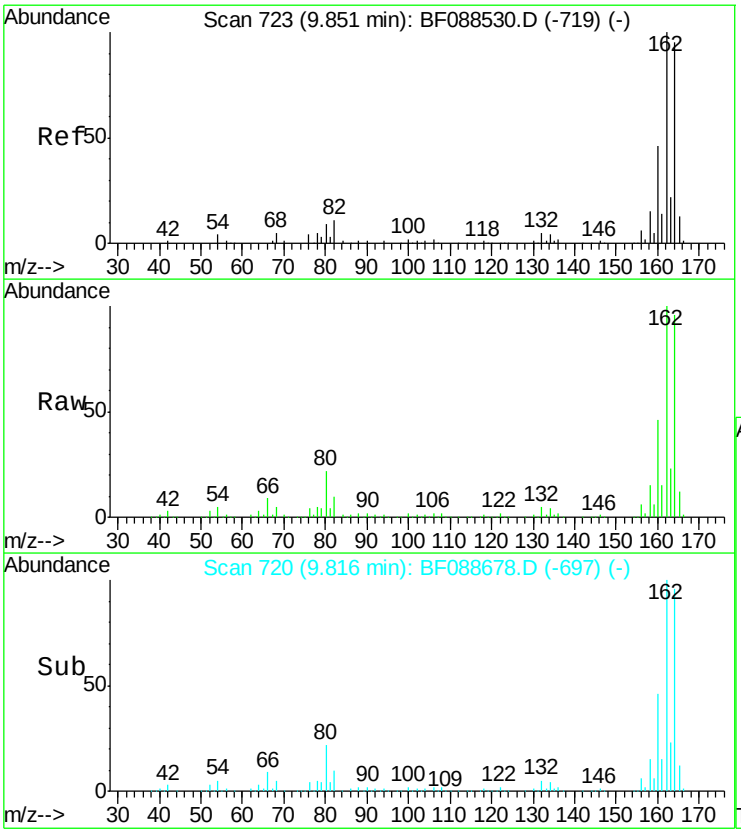
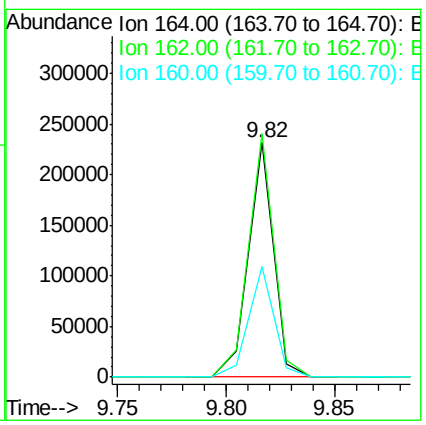
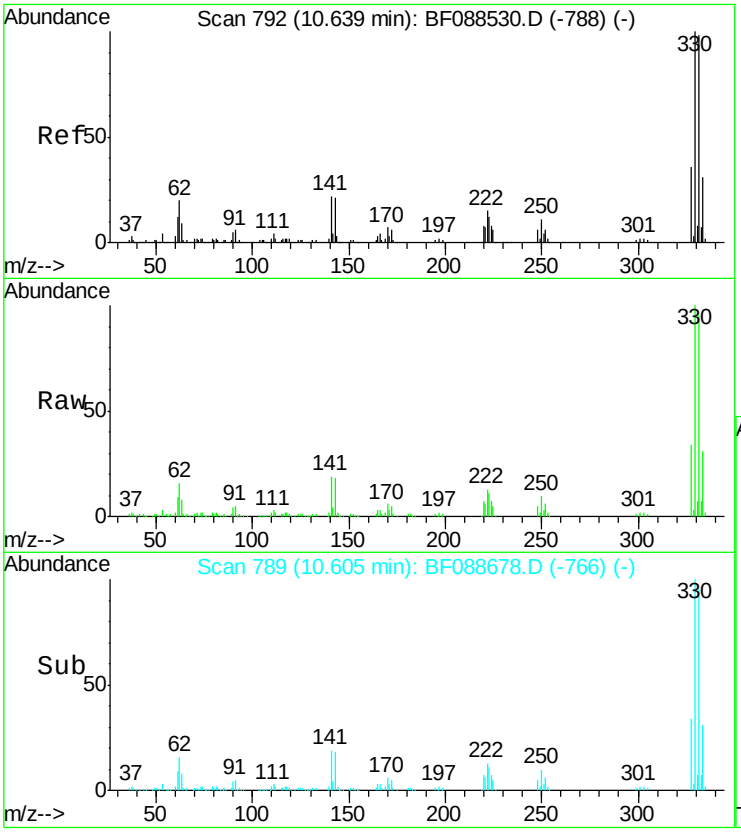


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.82 min Scan# 720
Delta R.T. -0.03 min
Lab File: BF088678.D
Acq: 4 Jul 2016 6:48

Tgt Ion:164 Resp: 185314

Ion	Ratio	Lower	Upper
164	100		
162	103.9	85.4	128.2
160	47.3	39.5	59.3

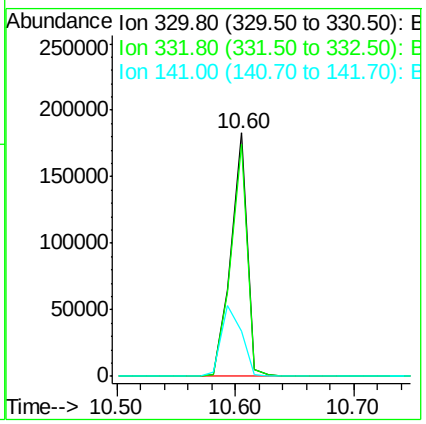




#41
2,4,6-Tribromophenol
Concen: 102.24 ng
RT: 10.60 min Scan# 789
Delta R.T. -0.03 min
Lab File: BF088678.D
Acq: 4 Jul 2016 6:48

Tgt Ion:330 Resp: 175936

Ion	Ratio	Lower	Upper
330	100		
332	95.9	0.0	0.0#
141	35.9	0.0	0.0#



Instrument :
BNA_F
ClientSampleId :
E10-B2(0-12)C

Manual Integrations
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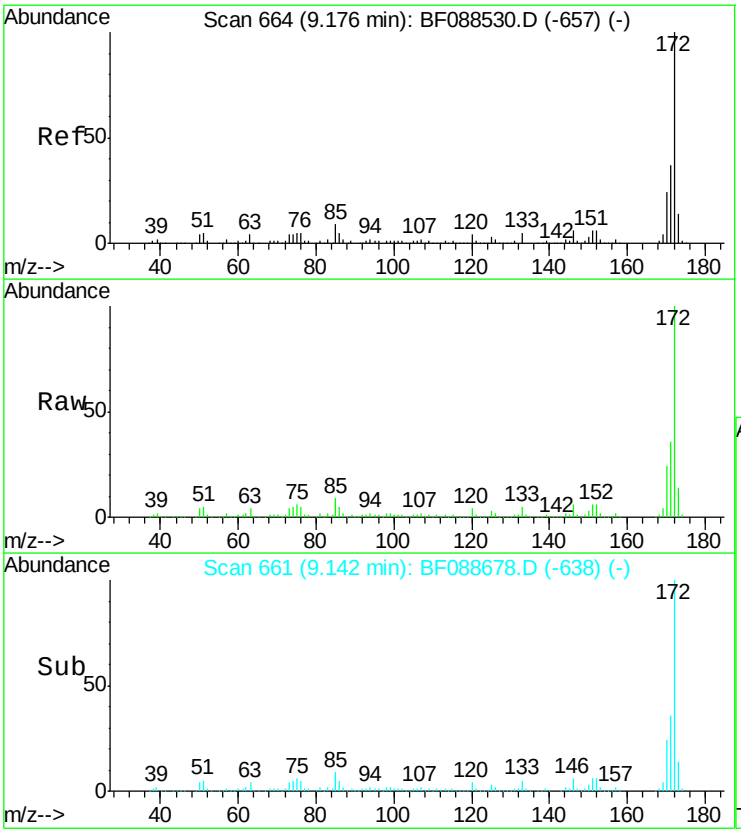
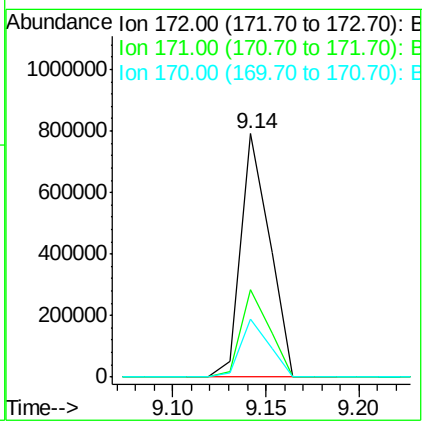
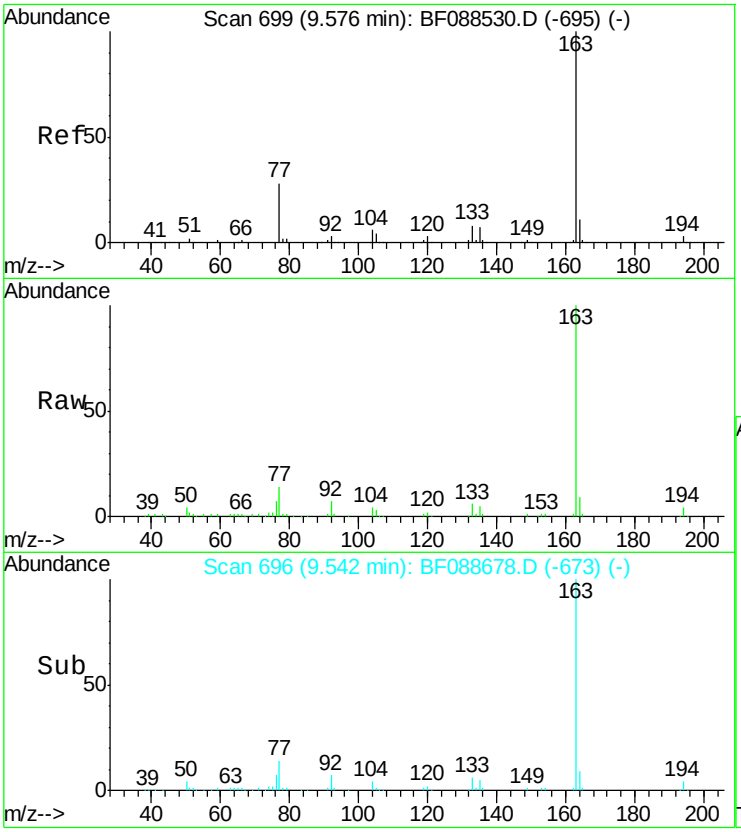


#44
2-Fluorobiphenyl
Concen: 73.06 ng
RT: 9.14 min Scan# 661
Delta R.T. -0.03 min
Lab File: BF088678.D
Acq: 4 Jul 2016 6:48

Tgt Ion:172 Resp: 857130

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.6	43.0
170	23.8	19.2	28.8

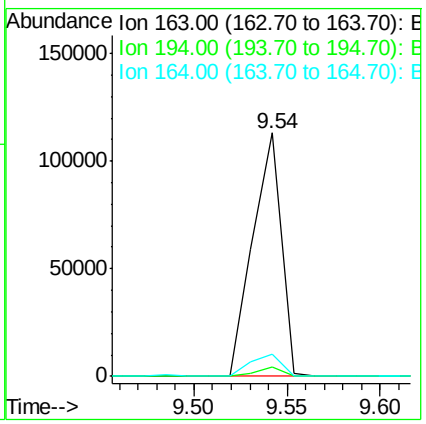




#49
Dimethylphthalate
Concen: 9.03 ng
RT: 9.54 min Scan# 696
Delta R.T. -0.03 min
Lab File: BF088678.D
Acq: 4 Jul 2016 6:48

Tgt Ion:163 Resp: 119182

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



Instrument :
BNA_F
ClientSampleId :
E10-B2(0-12)C

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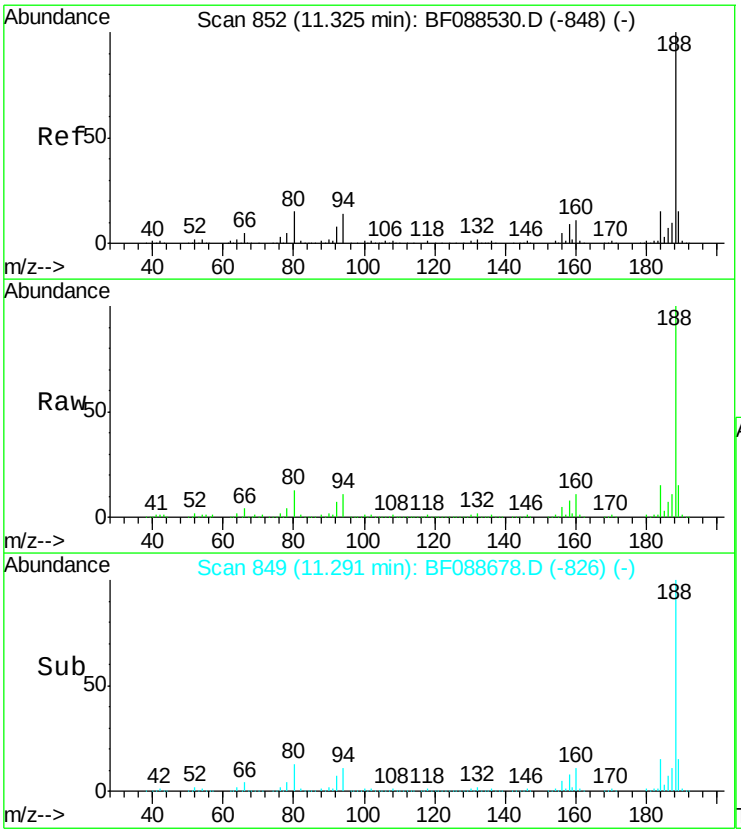
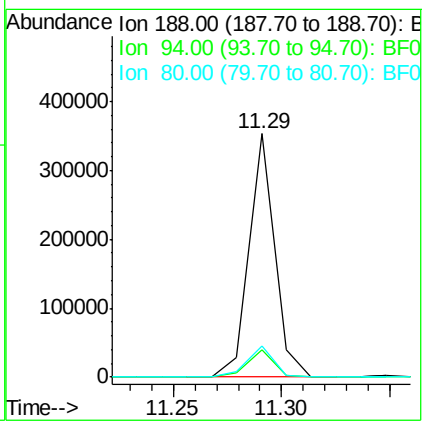
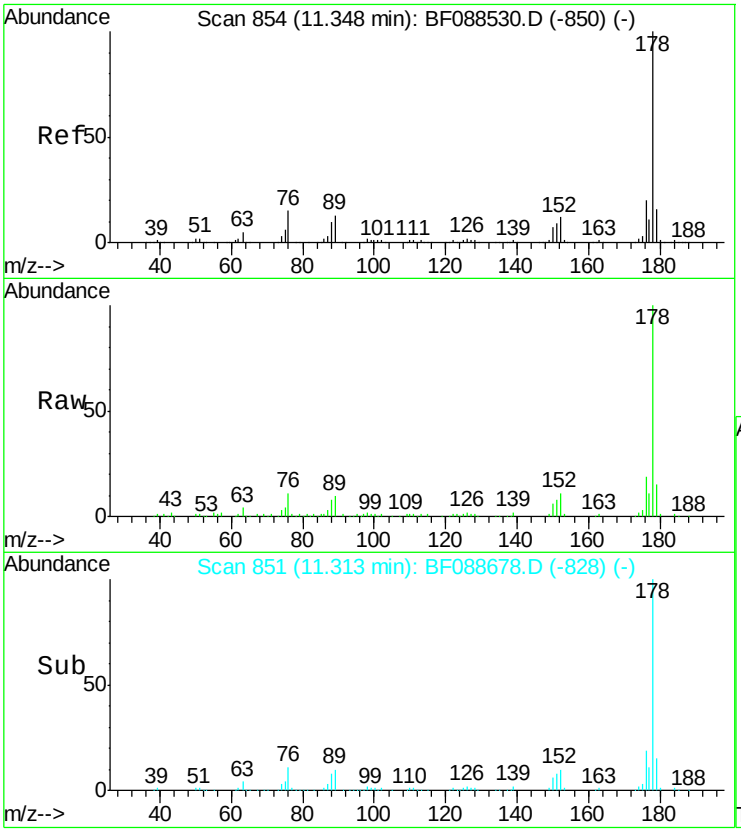


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 849
Delta R.T. -0.03 min
Lab File: BF088678.D
Acq: 4 Jul 2016 6:48

Tgt Ion:188 Resp: 289397

Ion	Ratio	Lower	Upper
188	100		
94	11.2	9.0	13.6
80	12.6	10.0	15.0

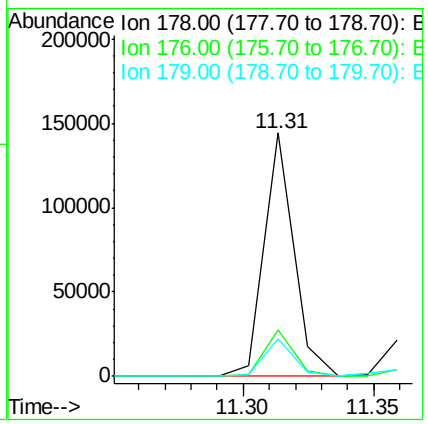




#70
Phenanthrene
Concen: 7.31 ng
RT: 11.31 min Scan# 851
Delta R.T. -0.03 min
Lab File: BF088678.D
Acq: 4 Jul 2016 6:48

Tgt Ion:178 Resp: 115651

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.6
179	15.4	13.0	19.4



Instrument :
BNA_F
ClientSampleId :
E10-B2(0-12)C

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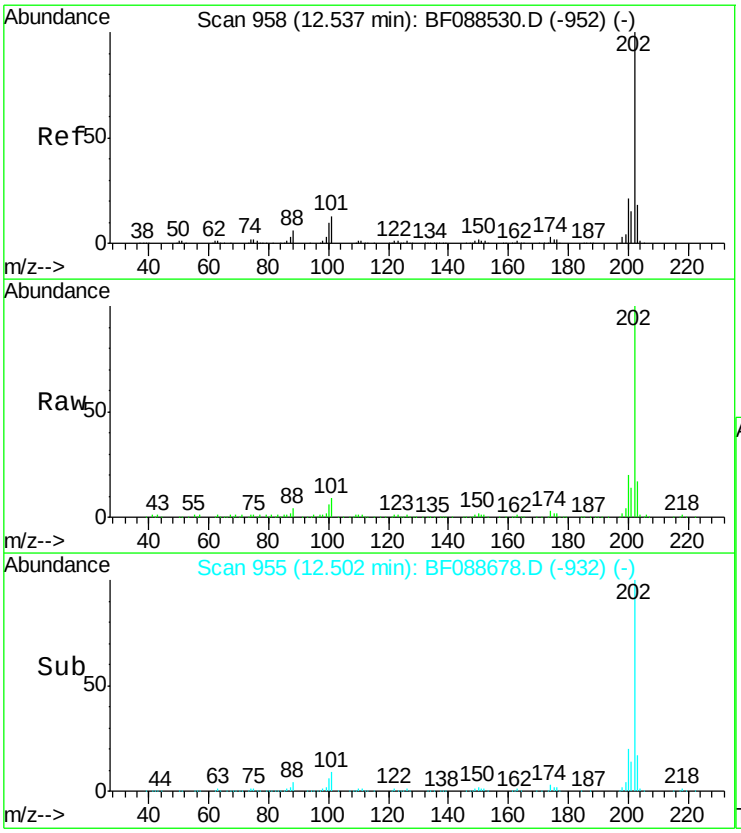
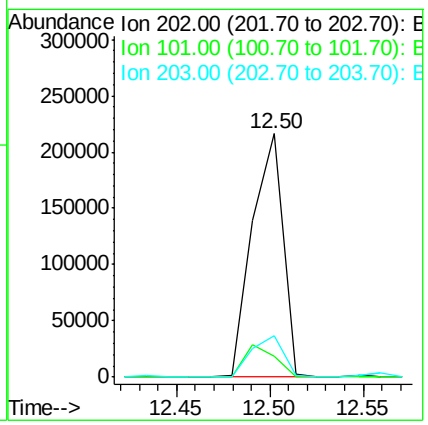
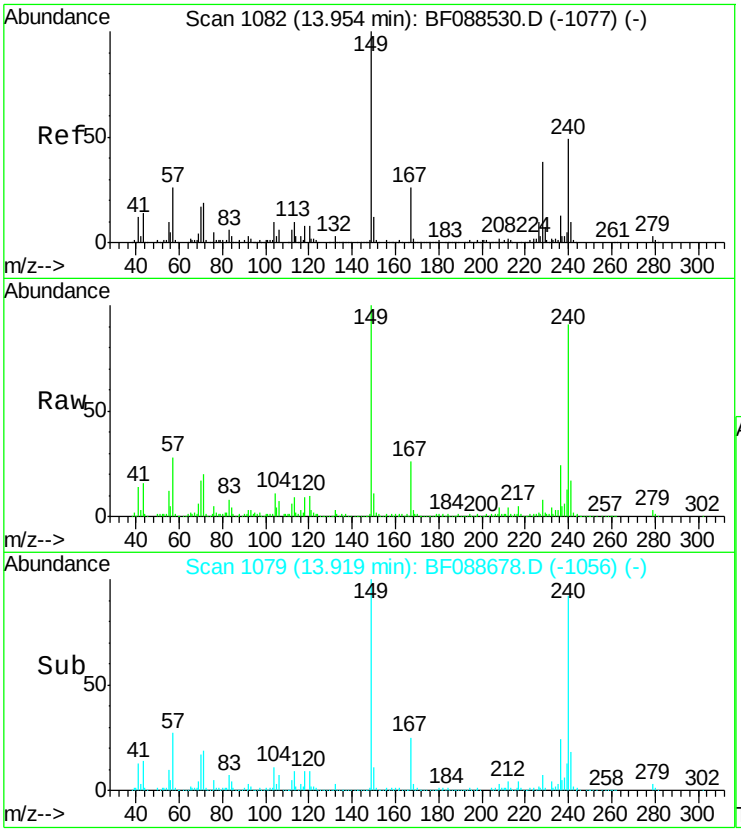


#74
Fluoranthene
Concen: 15.36 ng
RT: 12.50 min Scan# 955
Delta R.T. -0.03 min
Lab File: BF088678.D
Acq: 4 Jul 2016 6:48

Tgt Ion:202 Resp: 246278

Ion	Ratio	Lower	Upper
202	100		
101	8.8	0.0	33.1
203	17.0	0.0	38.1

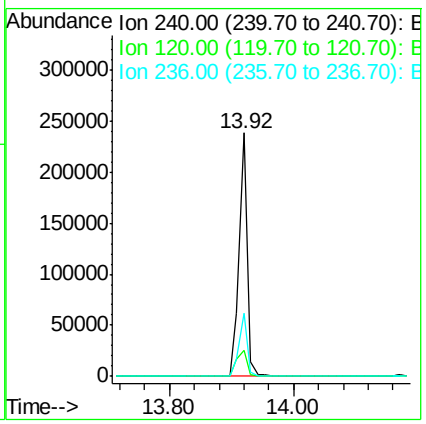




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.92 min Scan# 1079
Delta R.T. -0.03 min
Lab File: BF088678.D
Acq: 4 Jul 2016 6:48

Tgt Ion:240 Resp: 221347

Ion	Ratio	Lower	Upper
240	100		
120	10.5	6.8	10.2#
236	26.0	20.2	30.2



Instrument :
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ClientSampleId :
E10-B2(0-12)C

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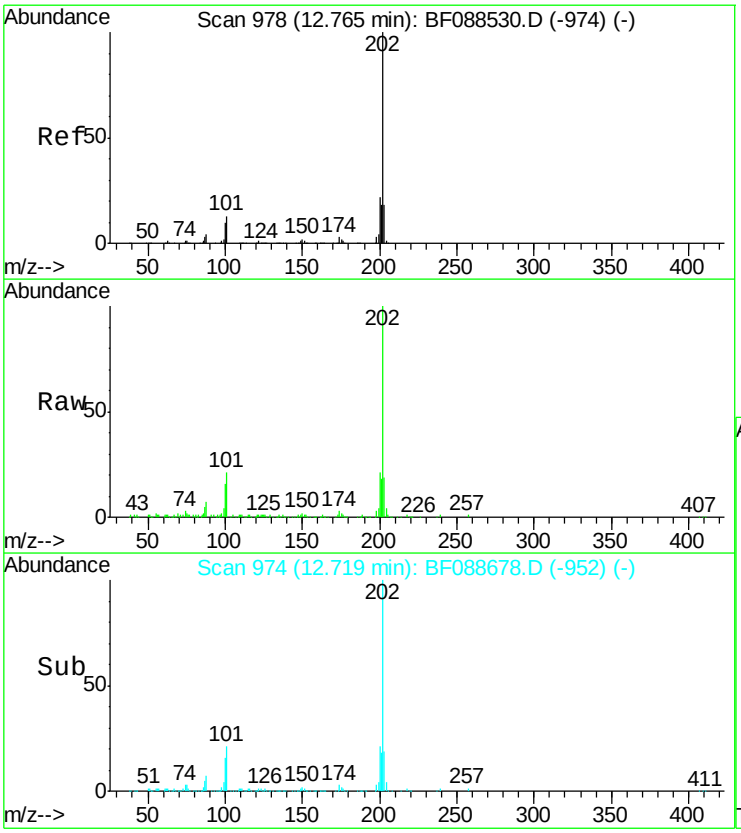
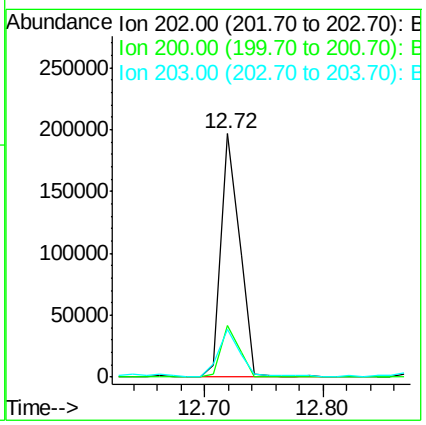
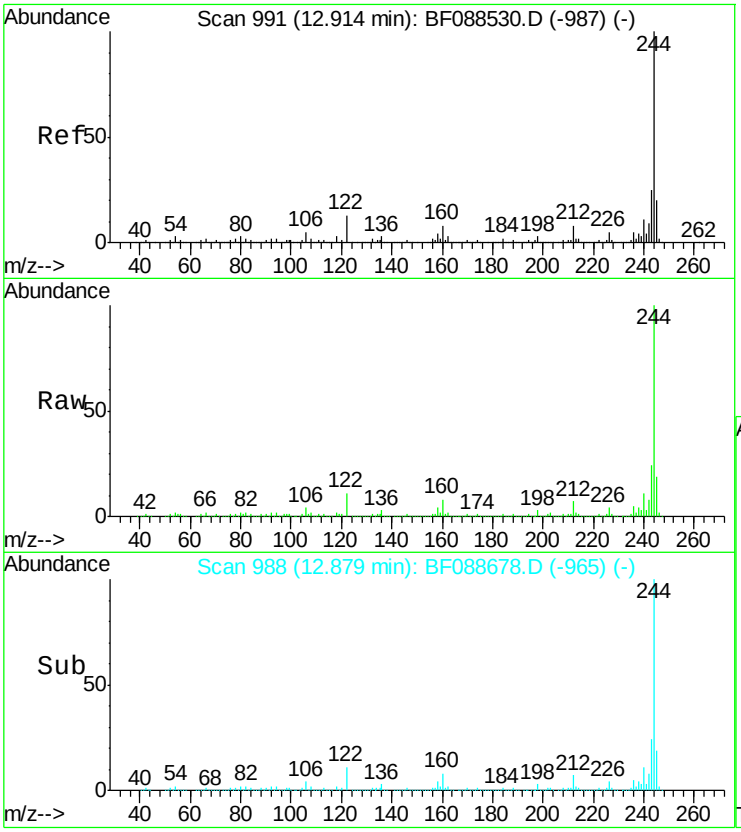


#77
Pyrene
Concen: 11.29 ng
RT: 12.72 min Scan# 974
Delta R.T. -0.05 min
Lab File: BF088678.D
Acq: 4 Jul 2016 6:48

Tgt Ion:202 Resp: 211946

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.2
203	19.4	14.5	21.7

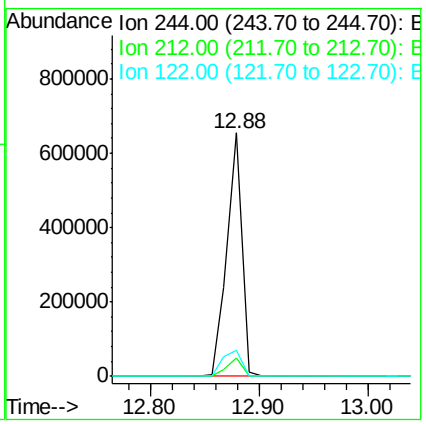




#78
Terphenyl-d14
Concen: 62.92 ng
RT: 12.88 min Scan# 988
Delta R.T. -0.03 min
Lab File: BF088678.D
Acq: 4 Jul 2016 6:48

Tgt Ion:244 Resp: 625272

Ion	Ratio	Lower	Upper
244	100		
212	7.3	6.0	9.0
122	10.6	11.2	16.8#



Instrument :
BNA_F
ClientSampleId :
E10-B2(0-12)C

Manual Integrations
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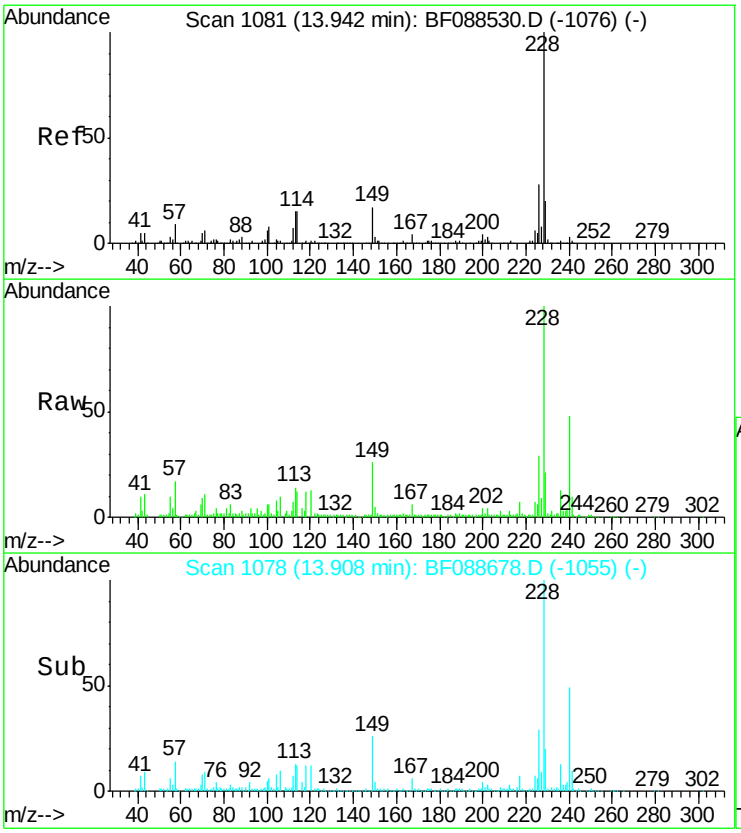
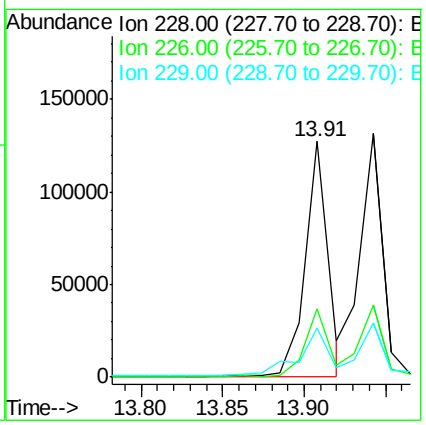
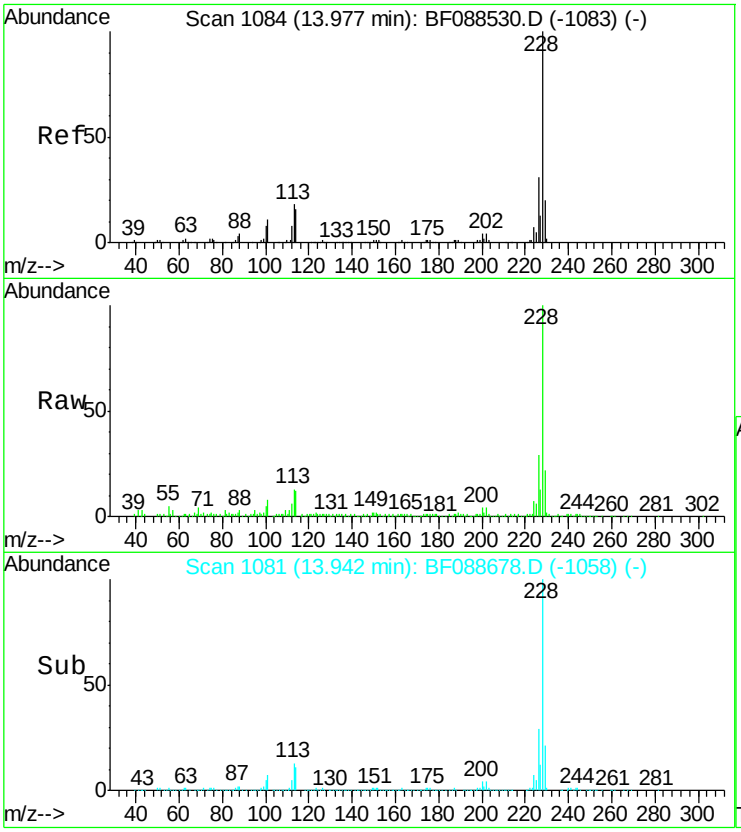


#80
Benzo(a)anthracene
Concen: 8.61 ng
RT: 13.91 min Scan# 1078
Delta R.T. -0.03 min
Lab File: BF088678.D
Acq: 4 Jul 2016 6:48

Tgt Ion:228 Resp: 122677

Ion	Ratio	Lower	Upper
228	100		
226	29.1	22.3	33.5
229	20.6	16.0	24.0

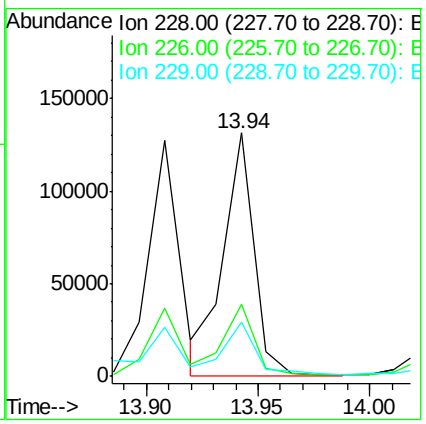




#82
Chrysene
Concen: 9.11 ng m
RT: 13.94 min Scan# 1081
Delta R.T. -0.03 min
Lab File: BF088678.D
Acq: 4 Jul 2016 6:48

Tgt Ion:228 Resp: 128494

Ion	Ratio	Lower	Upper
228	100		
226	29.5	25.4	38.2
229	22.1	16.3	24.5



Instrument :
BNA_F
ClientSampleId :
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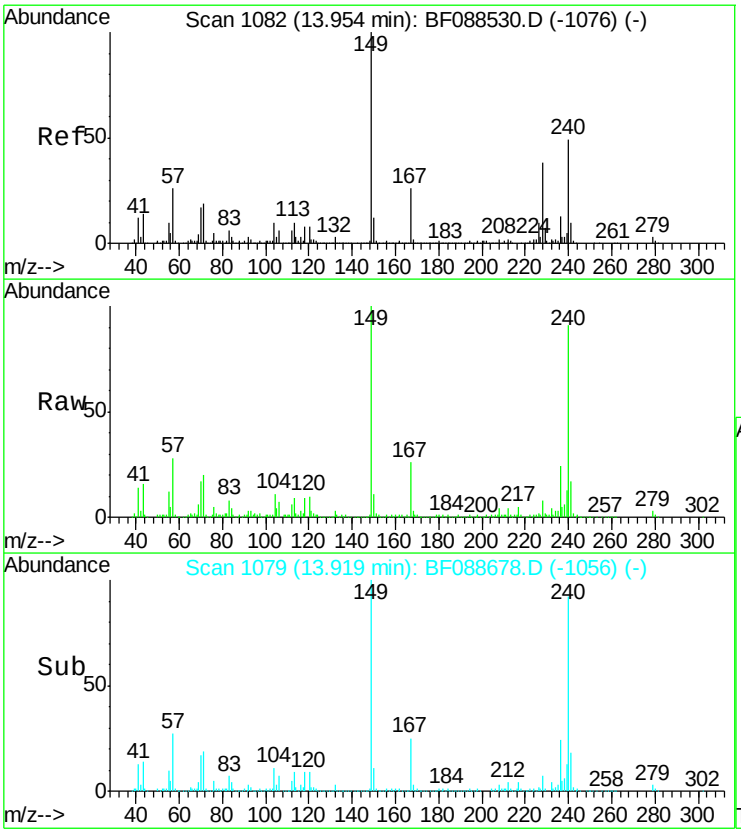
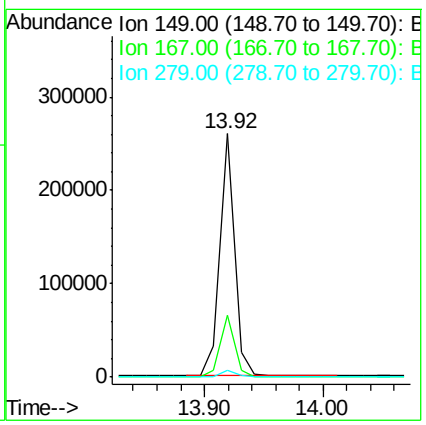
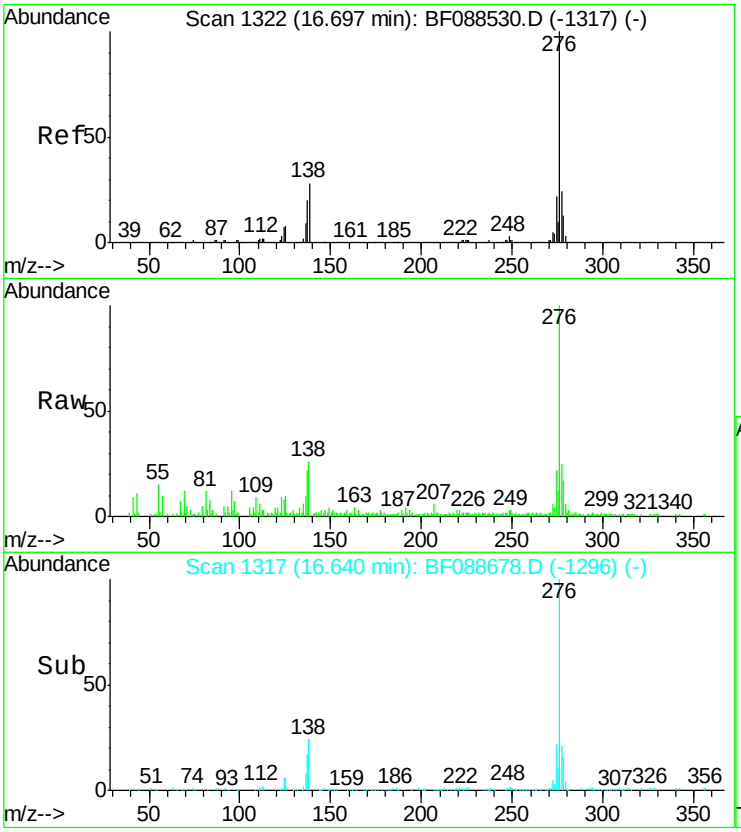


#83
Bis(2-ethylhexyl)phthalate
Concen: 23.04 ng
RT: 13.92 min Scan# 1079
Delta R.T. -0.03 min
Lab File: BF088678.D
Acq: 4 Jul 2016 6:48

Tgt Ion:149 Resp: 220164

Ion	Ratio	Lower	Upper
149	100		
167	25.5	20.5	30.7
279	2.9	2.0	3.0





#85
Indeno(1,2,3-cd)pyrene
Concen: 6.37 ng
RT: 16.64 min Scan# 1317
Delta R.T. -0.06 min
Lab File: BF088678.D
Acq: 4 Jul 2016 6:48

Tgt Ion:276 Resp: 69088

Ion	Ratio	Lower	Upper
276	100		
138	27.4	0.0	0.0#
277	28.9	0.0	0.0#

Instrument :
BNA_F
ClientSampleId :
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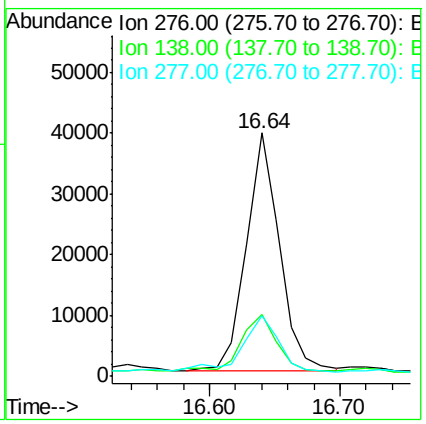
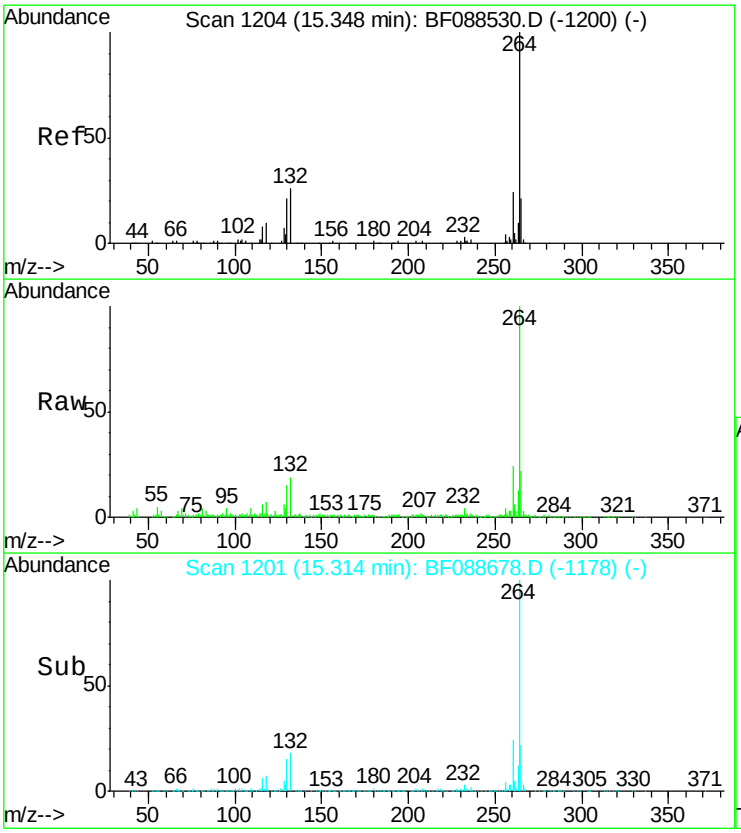
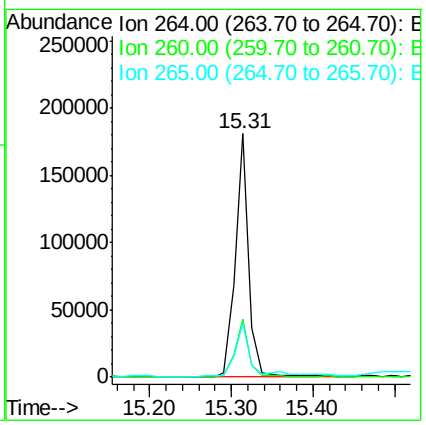


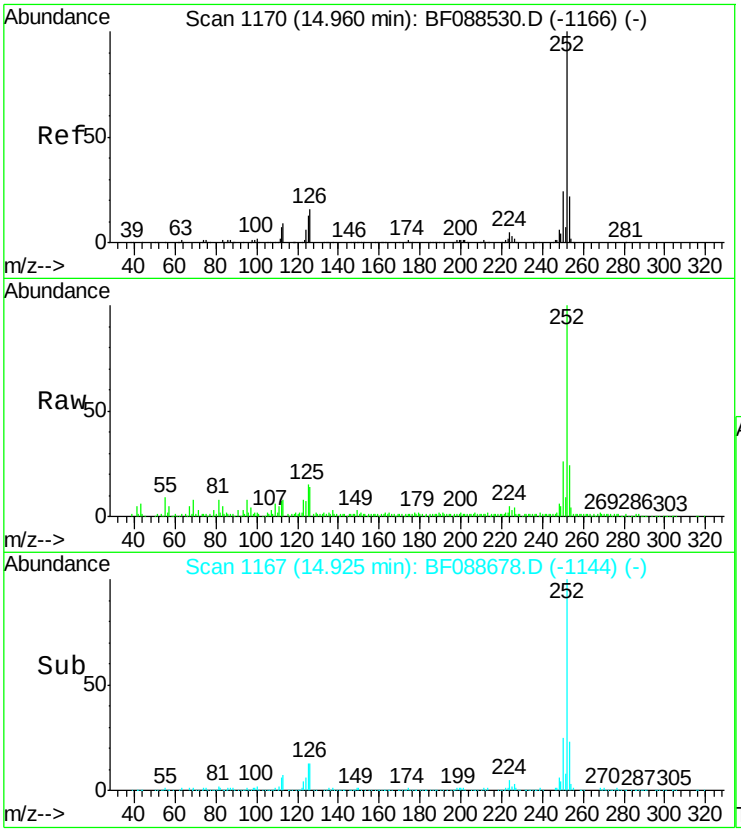


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.31 min Scan# 1201
Delta R.T. -0.03 min
Lab File: BF088678.D
Acq: 4 Jul 2016 6:48

Tgt Ion:264 Resp: 204696

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.3	16.9	25.3

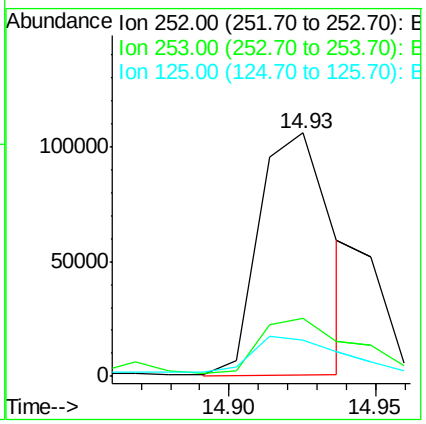




#87
Benzo(b)fluoranthene
Concen: 14.27 ng m
RT: 14.93 min Scan# 1167
Delta R.T. -0.03 min
Lab File: BF088678.D
Acq: 4 Jul 2016 6:48

Tgt Ion:252 Resp: 183267

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.4	26.2
125	14.7	7.1	10.7#



Instrument :
BNA_F
ClientSampleId :
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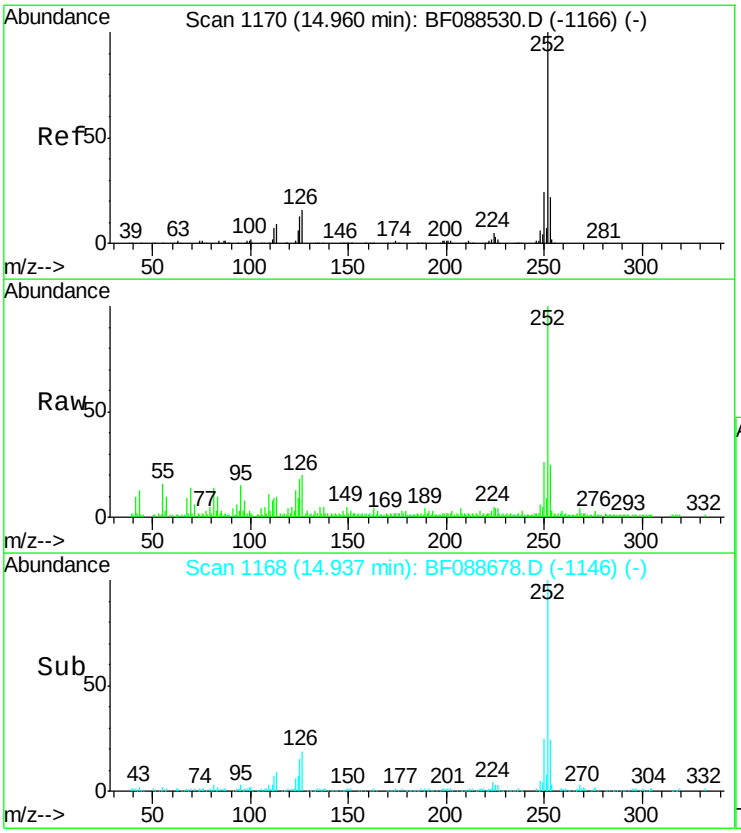
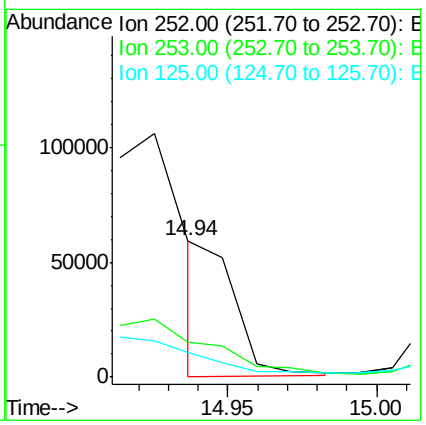
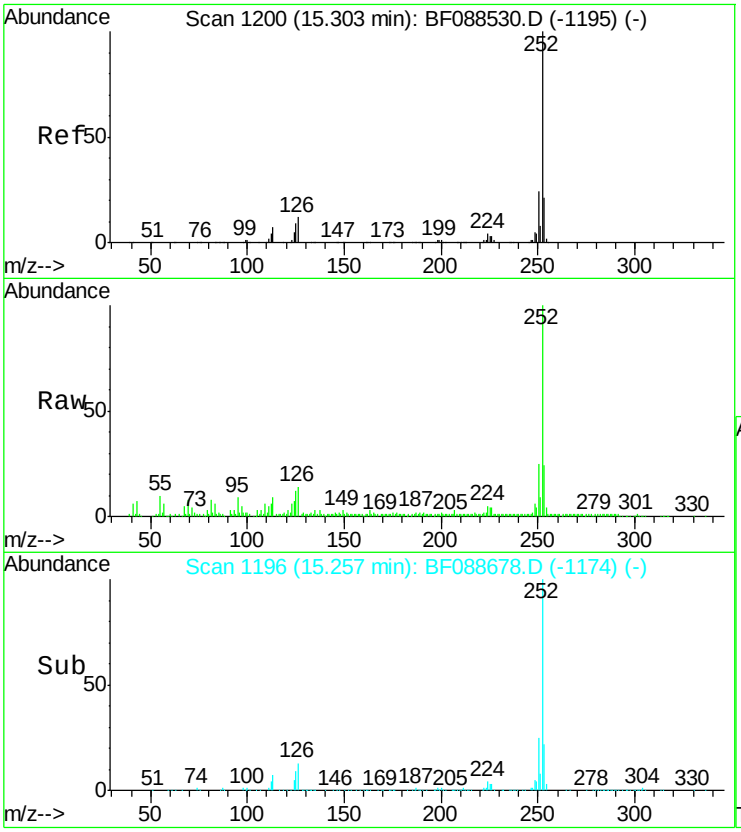


#88
Benzo(k)fluoranthene
Concen: 3.65 ng m
RT: 14.94 min Scan# 1168
Delta R.T. -0.05 min
Lab File: BF088678.D
Acq: 4 Jul 2016 6:48

Tgt Ion:252 Resp: 40811

Ion	Ratio	Lower	Upper
252	100		
253	25.2	18.0	27.0
125	17.7	11.2	16.8#

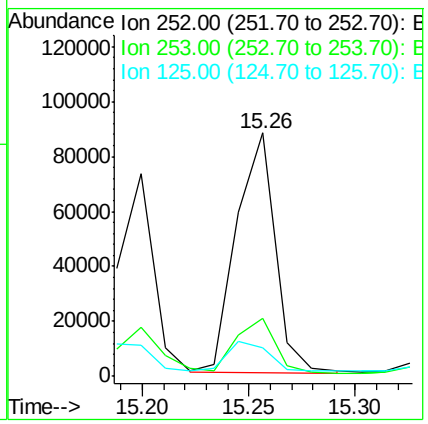




#89
Benzo(a)pyrene
Concen: 10.25 ng m
RT: 15.26 min Scan# 1196
Delta R.T. -0.05 min
Lab File: BF088678.D
Acq: 4 Jul 2016 6:48

Tgt Ion:252 Resp: 111408

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.9	26.9
125	12.0	12.5	18.7#



Instrument :
BNA_F
ClientSampleId :
E10-B2(0-12)C

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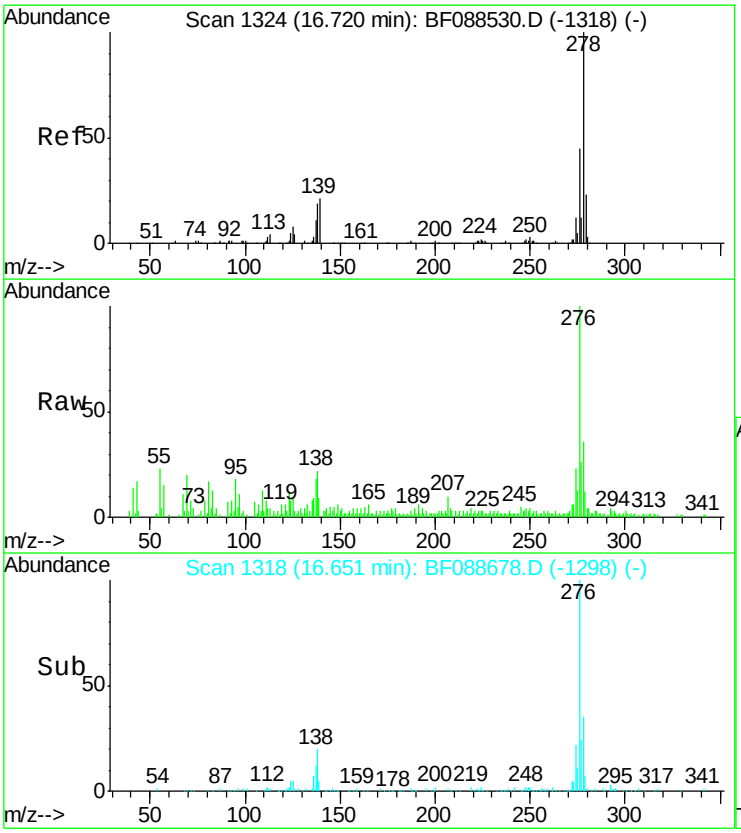
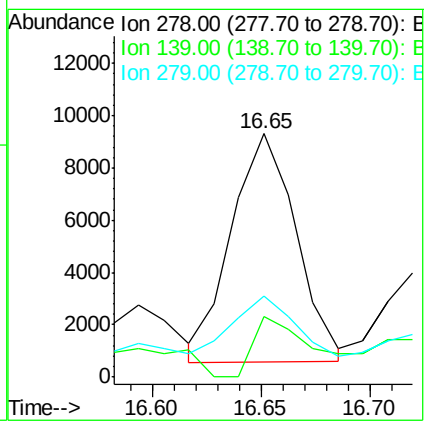
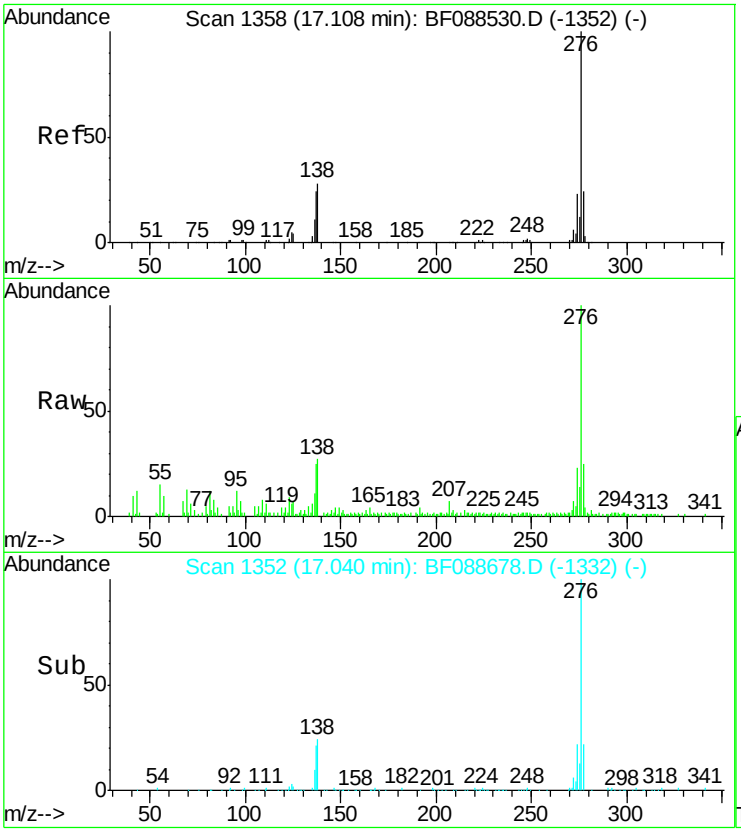


#90
Dibenzo(a,h)anthracene
Concen: 2.00 ng
RT: 16.65 min Scan# 1318
Delta R.T. -0.07 min
Lab File: BF088678.D
Acq: 4 Jul 2016 6:48

Tgt Ion:278 Resp: 18201

Ion	Ratio	Lower	Upper
278	100		
139	25.1	15.7	23.5#
279	33.1	19.4	29.2#

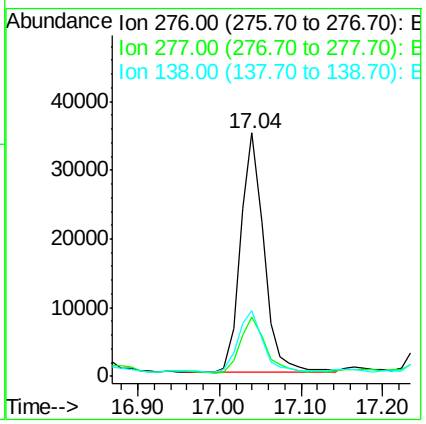




#91
Benzo(g,h,i)perylene
Concen: 7.33 ng
RT: 17.04 min Scan# 1352
Delta R.T. -0.07 min
Lab File: BF088678.D
Acq: 4 Jul 2016 6:48

Tgt Ion:276 Resp: 68860

Ion	Ratio	Lower	Upper
276	100		
277	24.6	18.9	28.3
138	26.9	21.4	32.2



Instrument :
BNA_F
ClientSampleId :
E10-B2(0-12)C

Manual Integrations

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