Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF070316\
Data File : BF088677.D
Acq On : 4 Jul 2016 6:19
Operator : UM/SJ
Sample : H3784-02
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : D10-B2(0-11)C

Manual Integrations APPROVED
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Quant Time: Jul 04 07:08:19 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	114759	20.00	ng	-0.02
21) Naphthalene-d8	8.07	136	486963	20.00	ng	-0.03
38) Acenaphthene-d10	9.82	164	217246	20.00	ng	-0.03
63) Phenanthrene-d10	11.29	188	377311	20.00	ng	-0.03
75) Chrysene-d12	13.92	240	237463	20.00	ng	-0.03
86) Perylene-d12	15.30	264	229306	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	781138	102.01	ng	-0.02
7) Phenol-d6	6.42	99	1050225	106.15	ng	-0.02
23) Nitrobenzene-d5	7.35	82	641688	69.06	ng	-0.03
41) 2,4,6-Tribromophenol	10.60	330	218760	108.44	ng	-0.03
44) 2-Fluorobiphenyl	9.14	172	859761	62.51	ng	-0.03
78) Terphenyl-d14	12.88	244	775278	72.72	ng	-0.03
Target Compounds						Qvalue
49) Dimethylphthalate	9.54	163	111280	7.19	ng	97
70) Phenanthrene	11.31	178	102159	4.95	ng	98
74) Fluoranthene	12.50	202	159916	7.65	ng	93
77) Pyrene	12.72	202	149665	7.43	ng	99
80) Benzo(a)anthracene	13.91	228	60042	3.93	ng	97
82) Chrysene	13.94	228	57689m	3.81	ng	
85) Indeno(1,2,3-cd)pyrene	16.63	276	40700	3.50	ng	# 100
87) Benzo(b)fluoranthene	14.91	252	66021m	4.59	ng	
88) Benzo(k)fluoranthene	14.93	252	28349m	2.26	ng	
89) Benzo(a)pyrene	15.25	252	51953	4.27	ng	98
91) Benzo(g,h,i)perylene	17.03	276	39608	3.76	ng	97

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

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QLast Update : Thu Jun 30 18:01:55 2016
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Instrument :
BNA_F
ClientSampleId :
D10-B2(0-11)C

Manual Integrations
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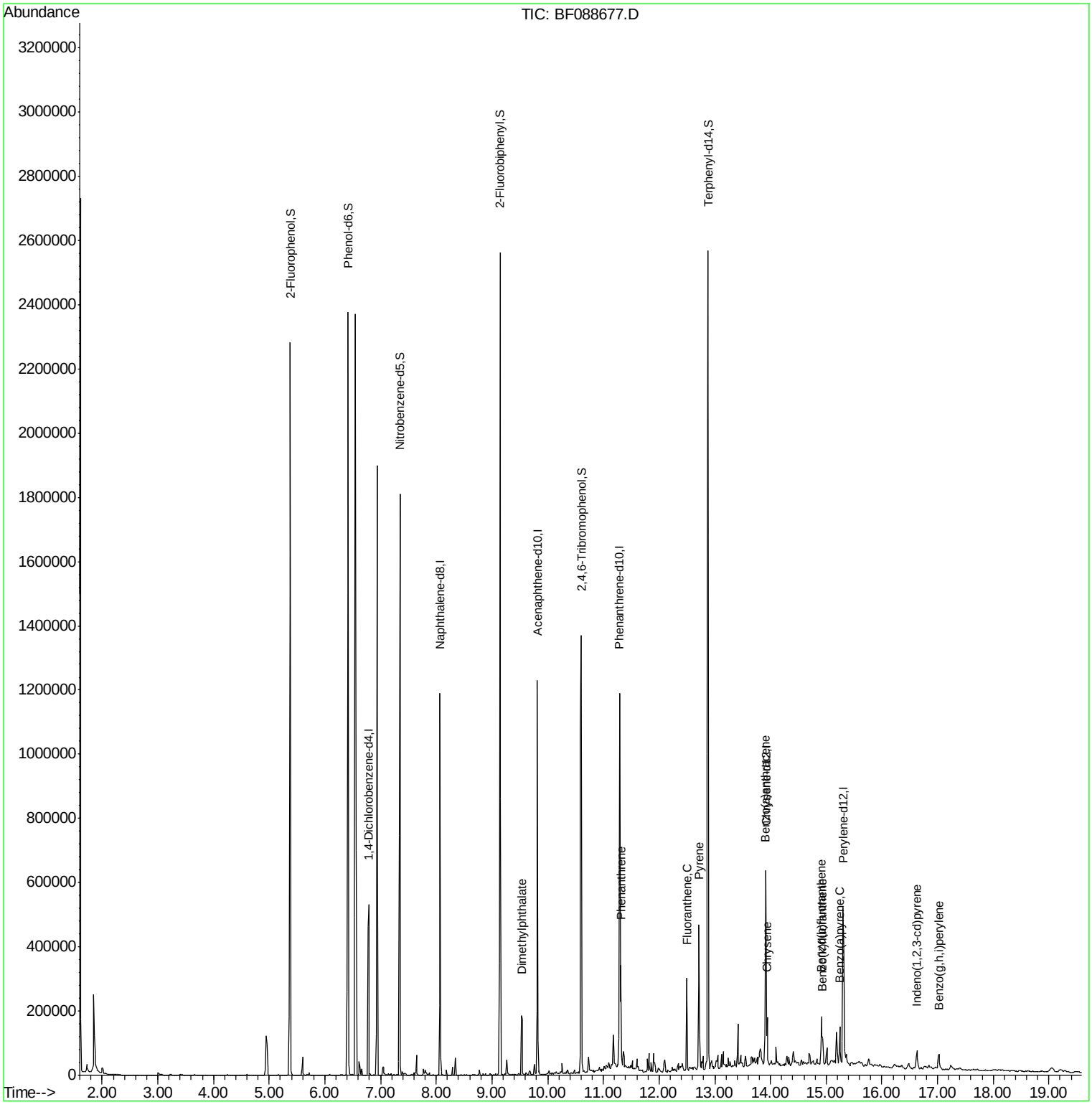
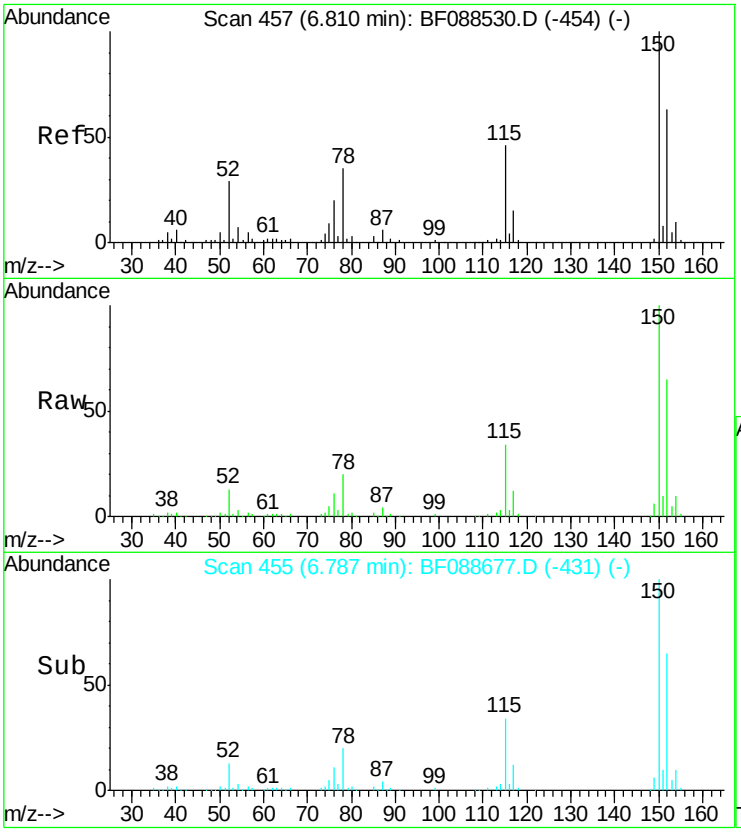
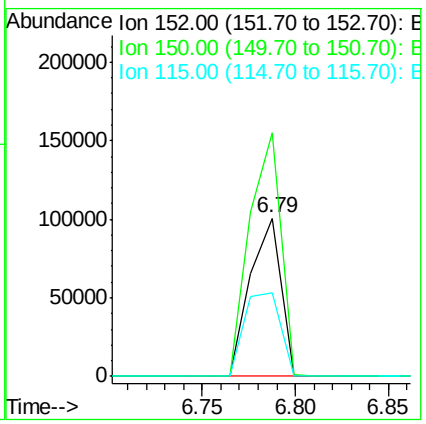




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.79 min Scan# 455
Delta R.T. -0.02 min
Lab File: BF088677.D
Acq: 4 Jul 2016 6:19

Tgt Ion:152 Resp: 114759

Ion	Ratio	Lower	Upper
152	100		
150	153.8	123.8	185.6
115	52.9	39.6	59.4



Instrument :
BNA_F
ClientSampleId :
D10-B2(0-11)C

Manual Integrations
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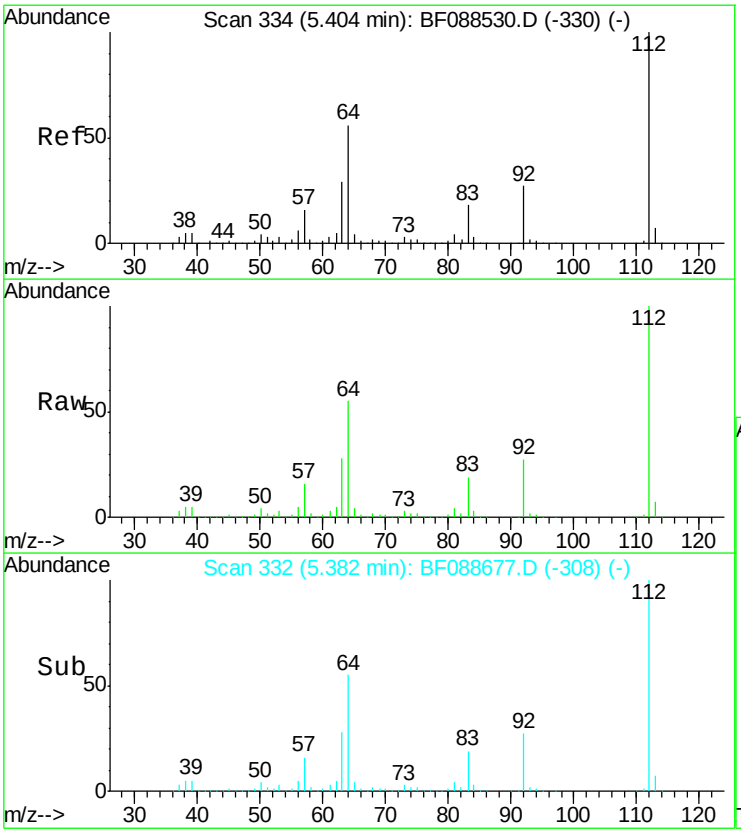
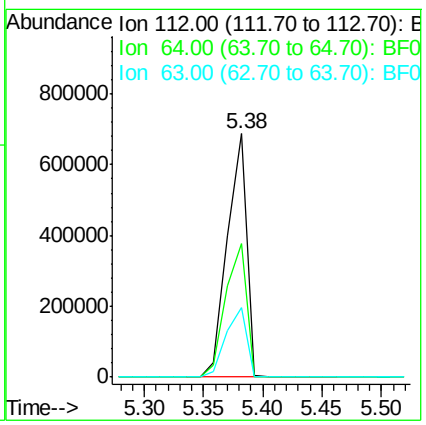
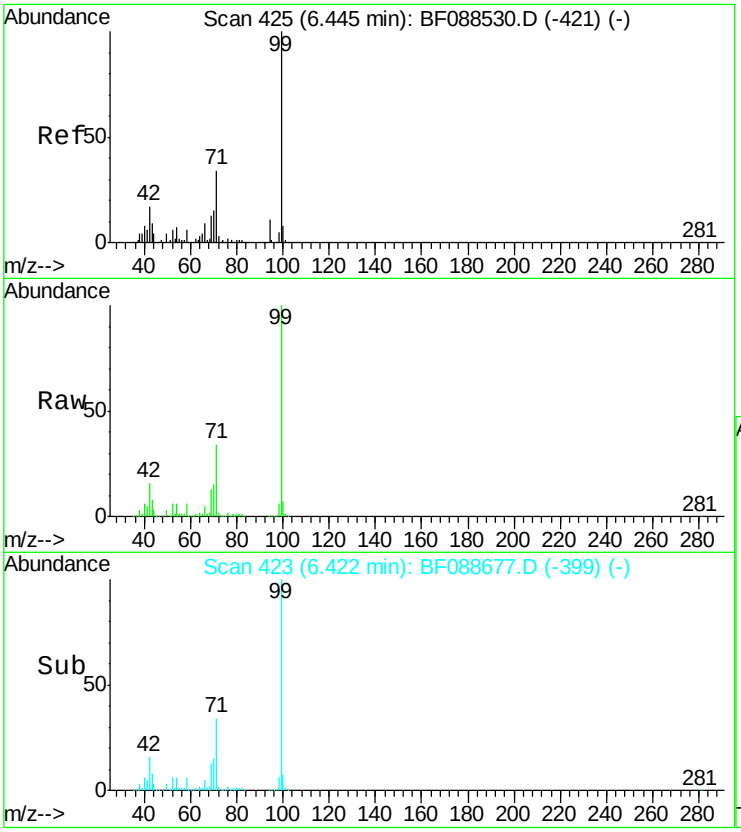


#5
2-Fluorophenol
Concen: 102.01 ng
RT: 5.38 min Scan# 332
Delta R.T. -0.02 min
Lab File: BF088677.D
Acq: 4 Jul 2016 6:19

Tgt Ion:112 Resp: 781138

Ion	Ratio	Lower	Upper
112	100		
64	55.1	42.2	63.2
63	28.4	21.8	32.8

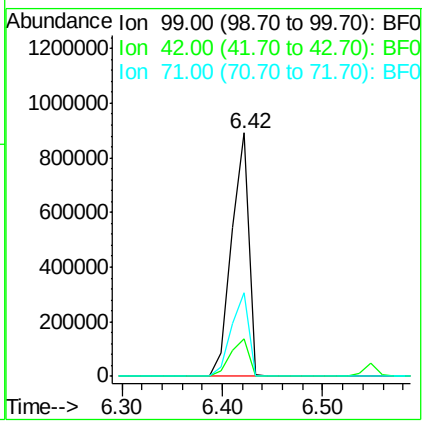




#7
Phenol-d6
Concen: 106.15 ng
RT: 6.42 min Scan# 423
Delta R.T. -0.02 min
Lab File: BF088677.D
Acq: 4 Jul 2016 6:19

Tgt Ion: 99 Resp: 1050225

Ion	Ratio	Lower	Upper
99	100		
42	15.6	12.2	18.2
71	34.1	23.4	35.0



Instrument :
BNA_F
ClientSampleId :
D10-B2(0-11)C

Manual Integrations
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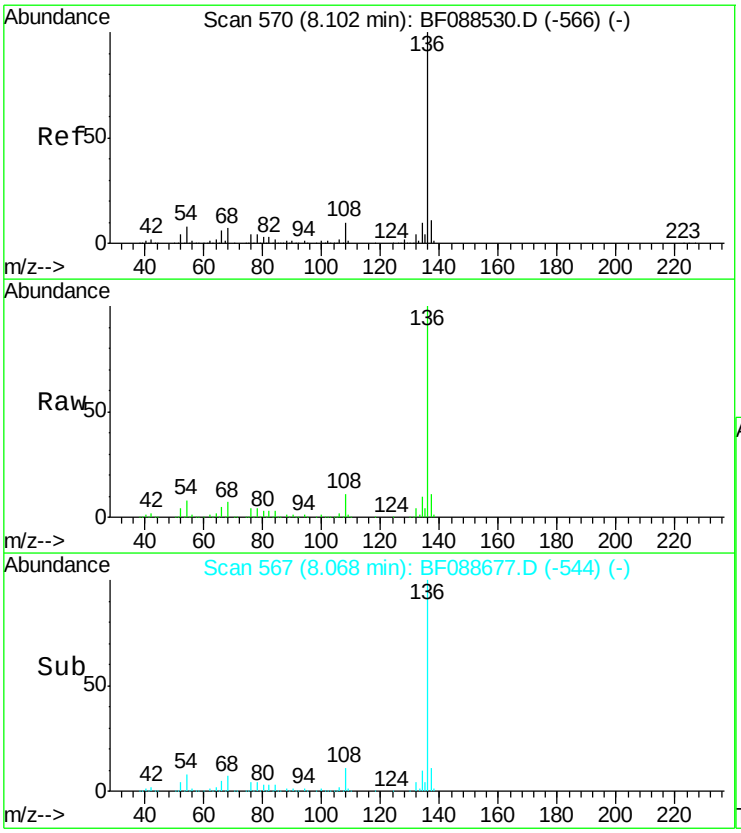
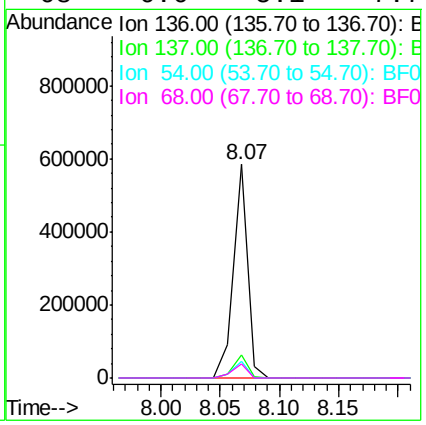
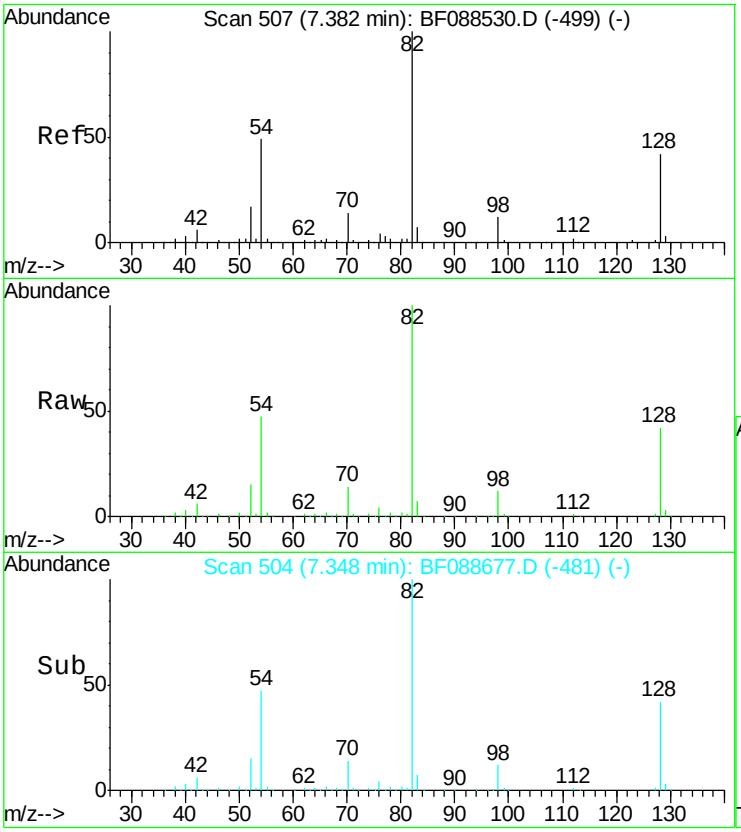


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.07 min Scan# 567
Delta R.T. -0.03 min
Lab File: BF088677.D
Acq: 4 Jul 2016 6:19

Tgt Ion:136 Resp: 486963

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.1	13.7
54	7.7	6.6	10.0
68	6.6	5.1	7.7

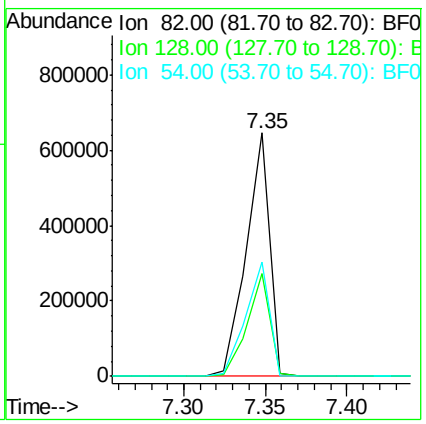




#23
Nitrobenzene-d5
Concen: 69.06 ng
RT: 7.35 min Scan# 504
Delta R.T. -0.03 min
Lab File: BF088677.D
Acq: 4 Jul 2016 6:19

Tgt Ion: 82 Resp: 641688

Ion	Ratio	Lower	Upper
82	100		
128	42.3	35.9	53.9
54	47.1	40.9	61.3



Instrument :
BNA_F
ClientSampleId :
D10-B2(0-11)C

Manual Integrations
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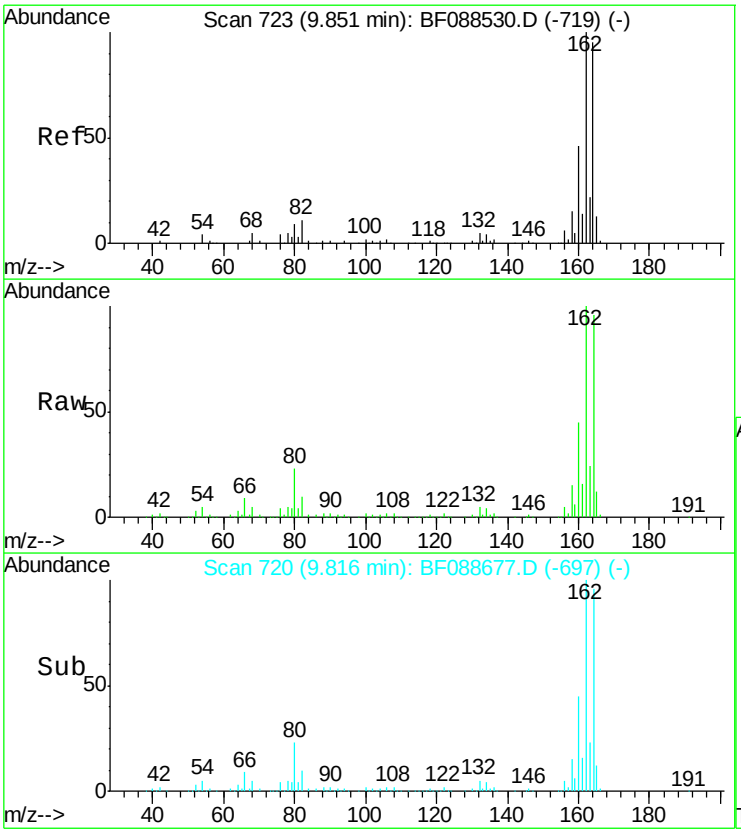
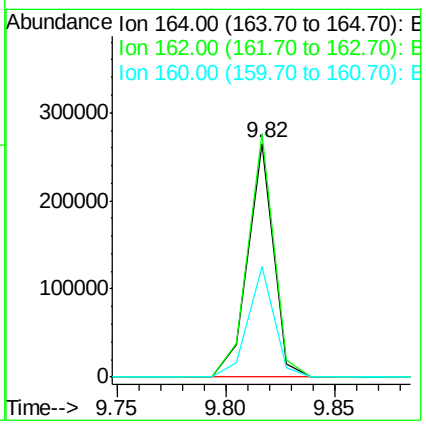
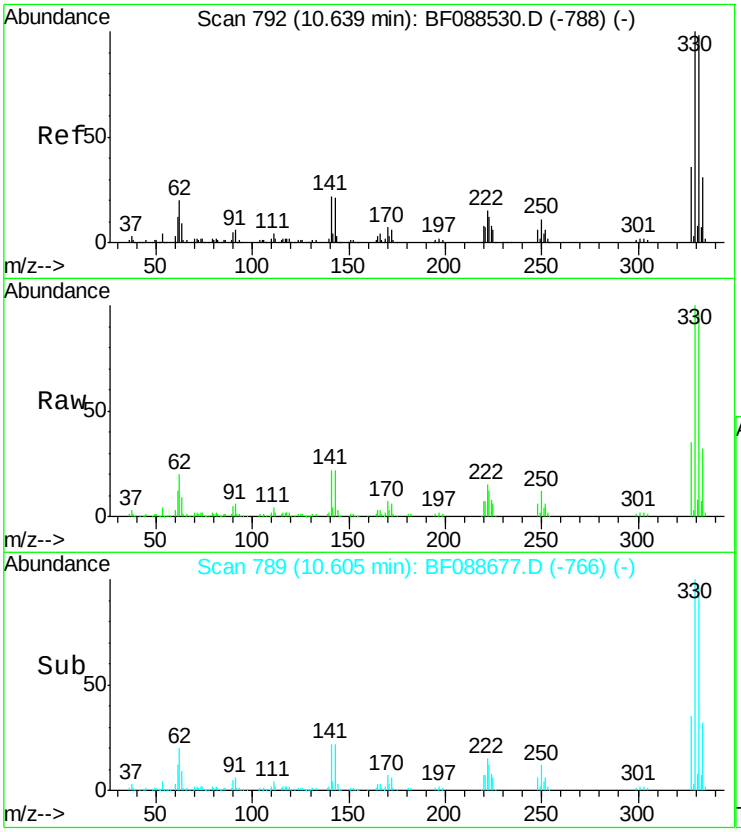


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.82 min Scan# 720
Delta R.T. -0.03 min
Lab File: BF088677.D
Acq: 4 Jul 2016 6:19

Tgt Ion:164 Resp: 217246

Ion	Ratio	Lower	Upper
164	100		
162	104.1	85.4	128.2
160	47.2	39.5	59.3

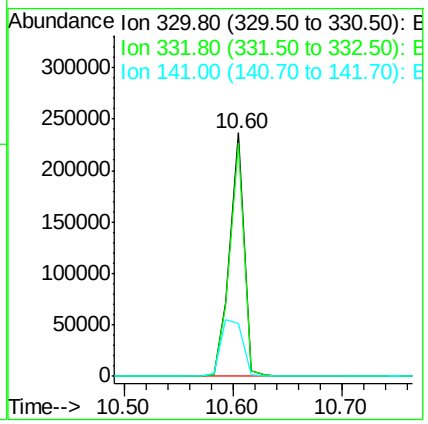




#41
2,4,6-Tribromophenol
Concen: 108.44 ng
RT: 10.60 min Scan# 789
Delta R.T. -0.03 min
Lab File: BF088677.D
Acq: 4 Jul 2016 6:19

Tgt Ion:330 Resp: 218760

Ion	Ratio	Lower	Upper
330	100		
332	95.9	0.0	0.0#
141	35.2	0.0	0.0#



Instrument :
BNA_F
ClientSampleId :
D10-B2(0-11)C

Manual Integrations
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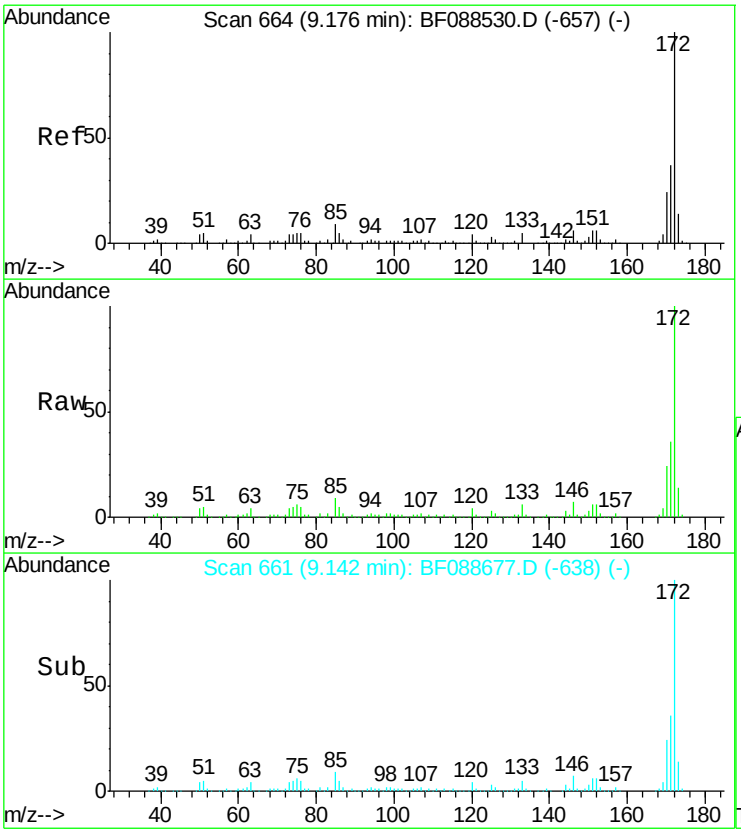
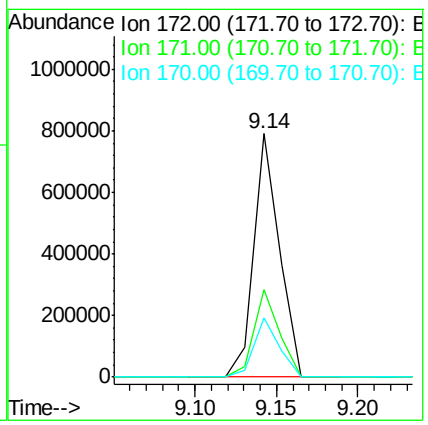
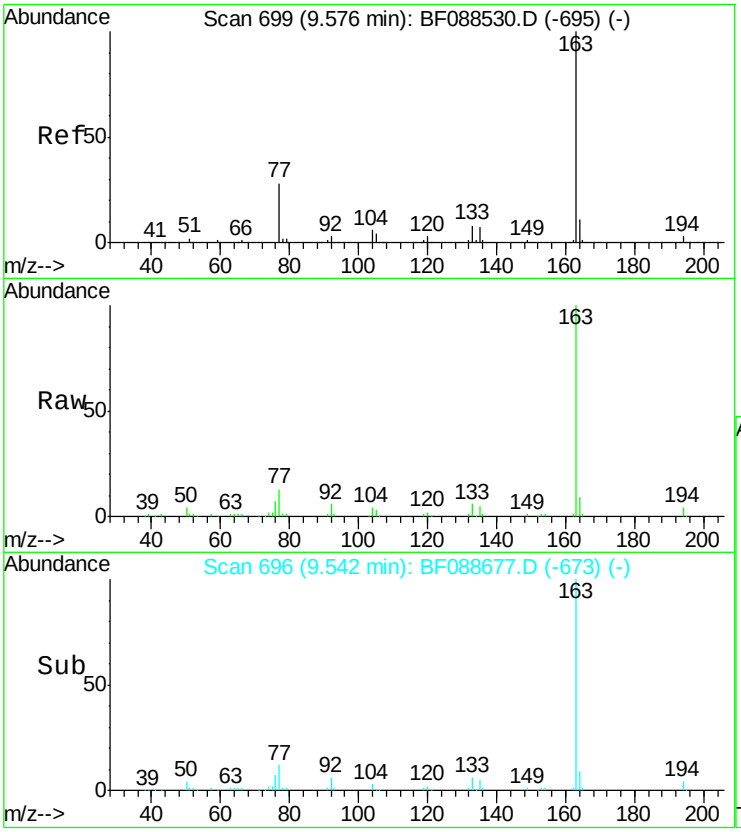


#44
2-Fluorobiphenyl
Concen: 62.51 ng
RT: 9.14 min Scan# 661
Delta R.T. -0.03 min
Lab File: BF088677.D
Acq: 4 Jul 2016 6:19

Tgt Ion:172 Resp: 859761

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.6	43.0
170	24.2	19.2	28.8

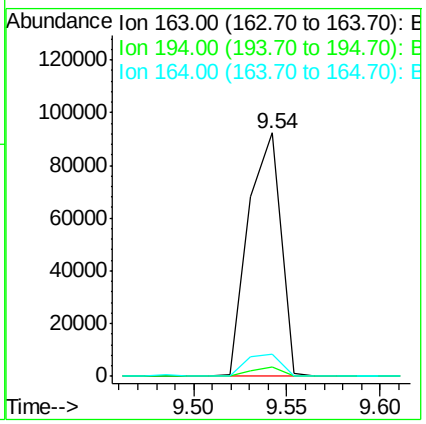




#49
Dimethylphthalate
Concen: 7.19 ng
RT: 9.54 min Scan# 696
Delta R.T. -0.03 min
Lab File: BF088677.D
Acq: 4 Jul 2016 6:19

Tgt Ion:163 Resp: 111280

Ion	Ratio	Lower	Upper
163	100		
194	3.7	2.8	4.2
164	9.2	8.3	12.5



Instrument :
BNA_F
ClientSampleId :
D10-B2(0-11)C

Manual Integrations
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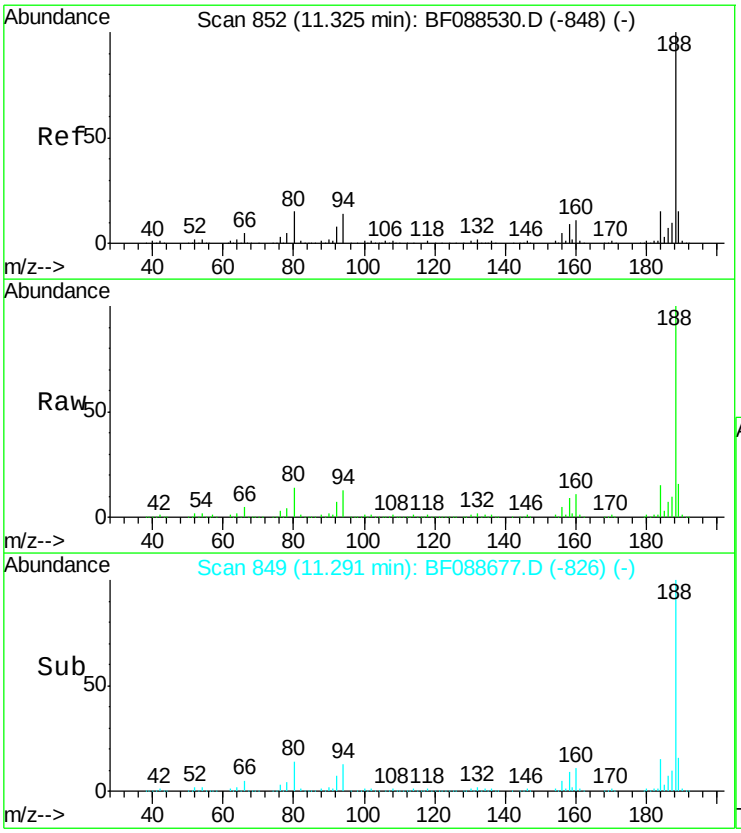
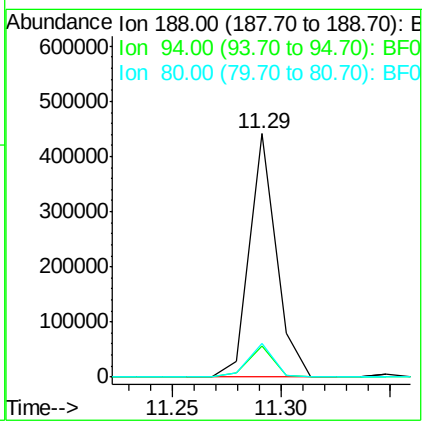
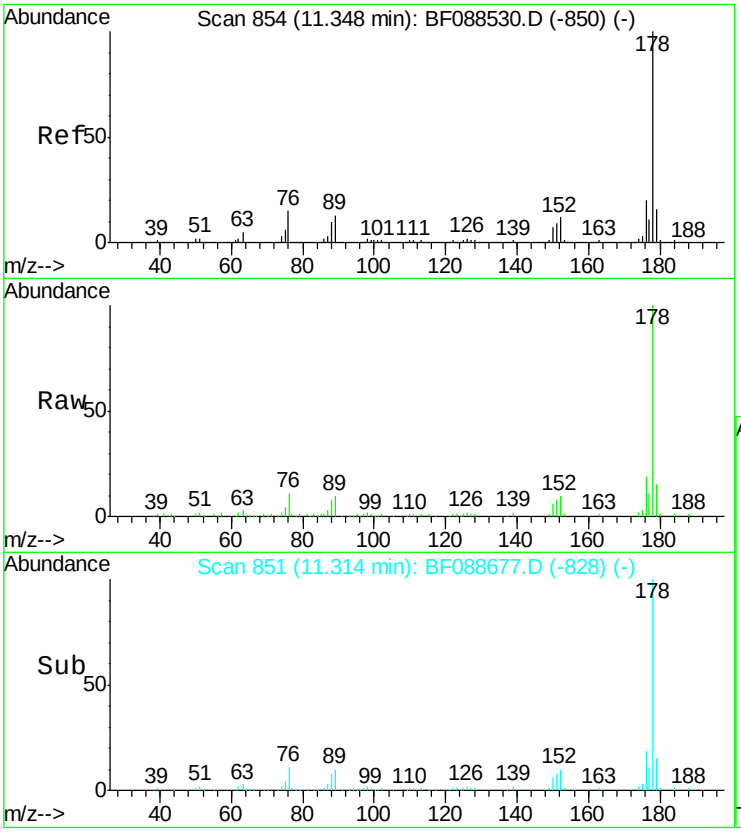


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 849
Delta R.T. -0.03 min
Lab File: BF088677.D
Acq: 4 Jul 2016 6:19

Tgt Ion:188 Resp: 377311

Ion	Ratio	Lower	Upper
188	100		
94	12.7	9.0	13.6
80	14.0	10.0	15.0

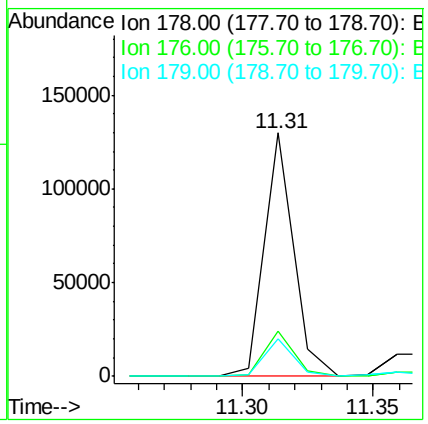




#70
Phenanthrene
Concen: 4.95 ng
RT: 11.31 min Scan# 851
Delta R.T. -0.03 min
Lab File: BF088677.D
Acq: 4 Jul 2016 6:19

Tgt Ion:178 Resp: 102159

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.8	23.6
179	15.3	13.0	19.4



Instrument :
BNA_F
ClientSampleId :
D10-B2(0-11)C

Manual Integrations
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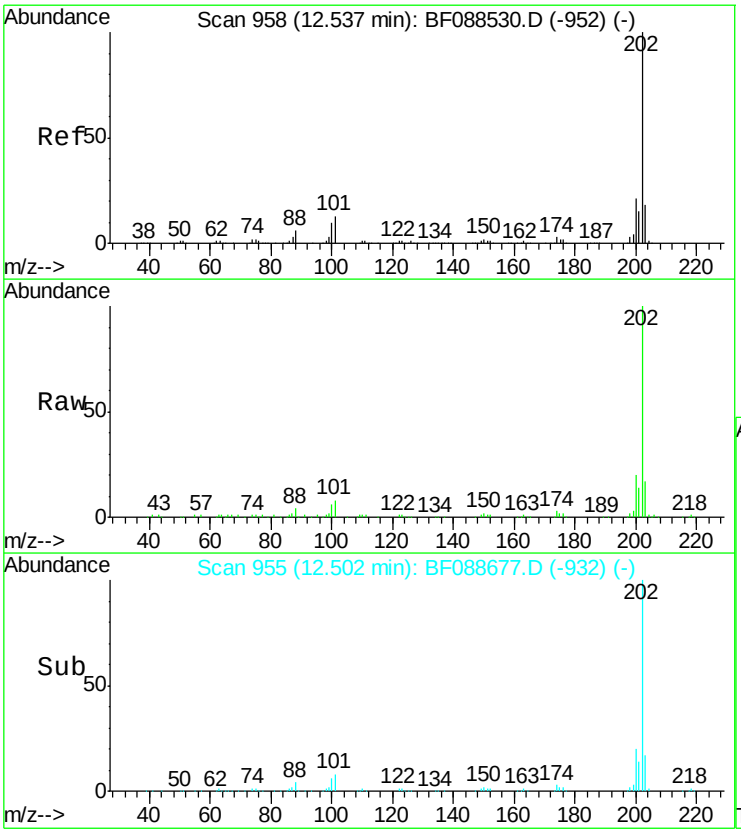
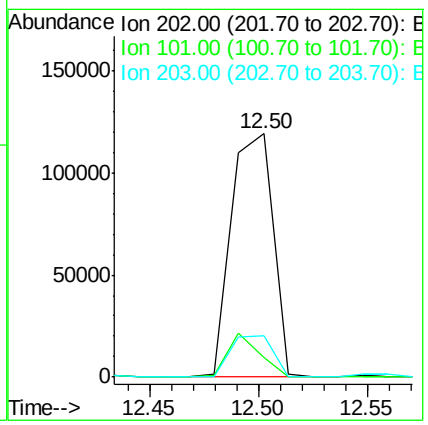
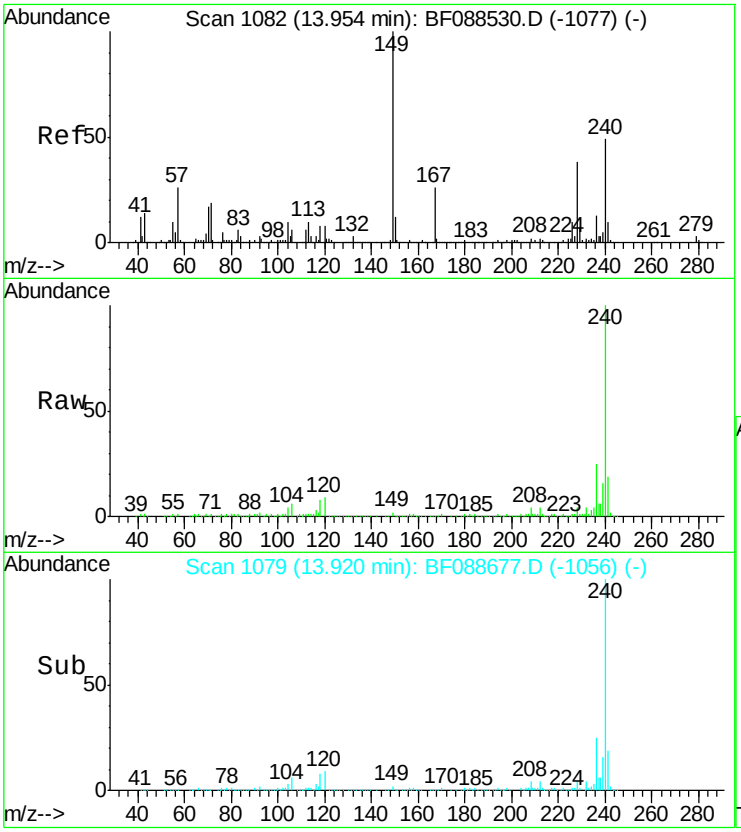


#74
Fluoranthene
Concen: 7.65 ng
RT: 12.50 min Scan# 955
Delta R.T. -0.03 min
Lab File: BF088677.D
Acq: 4 Jul 2016 6:19

Tgt Ion:202 Resp: 159916

Ion	Ratio	Lower	Upper
202	100		
101	8.1	0.0	33.1
203	17.1	0.0	38.1

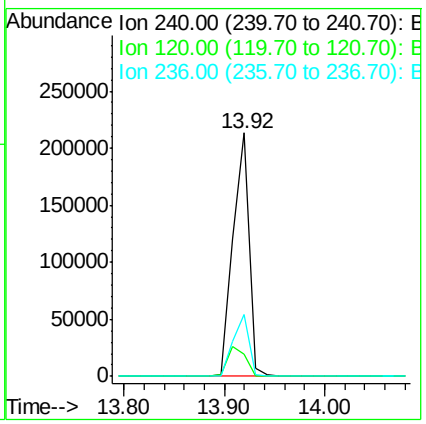




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.92 min Scan# 1079
Delta R.T. -0.03 min
Lab File: BF088677.D
Acq: 4 Jul 2016 6:19

Tgt Ion:240 Resp: 237463

Ion	Ratio	Lower	Upper
240	100		
120	9.2	6.8	10.2
236	25.4	20.2	30.2



Instrument :
BNA_F
ClientSampleId :
D10-B2(0-11)C

Manual Integrations
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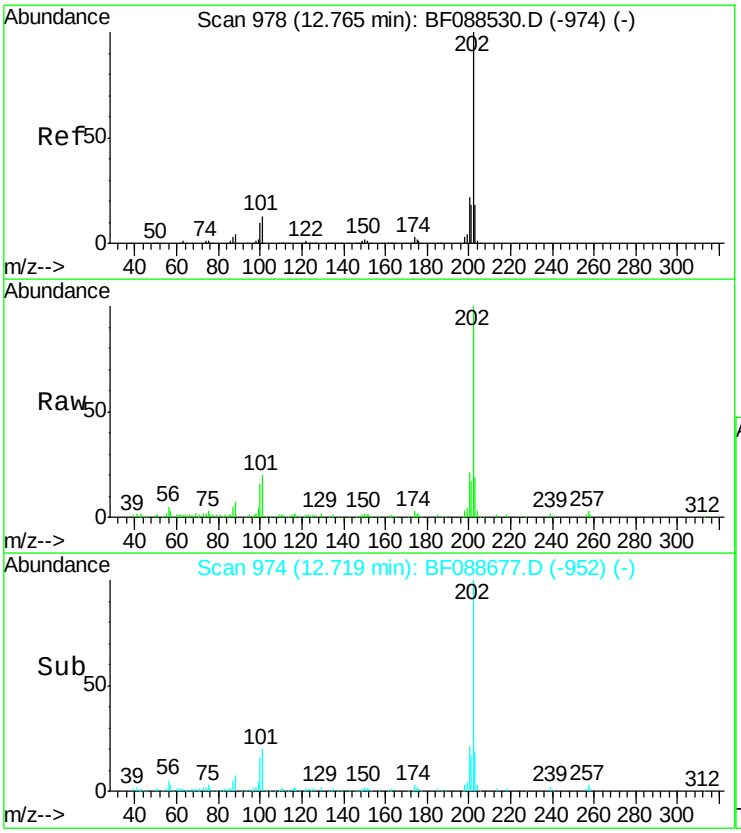
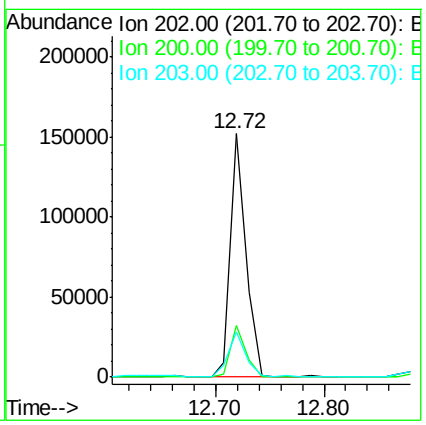
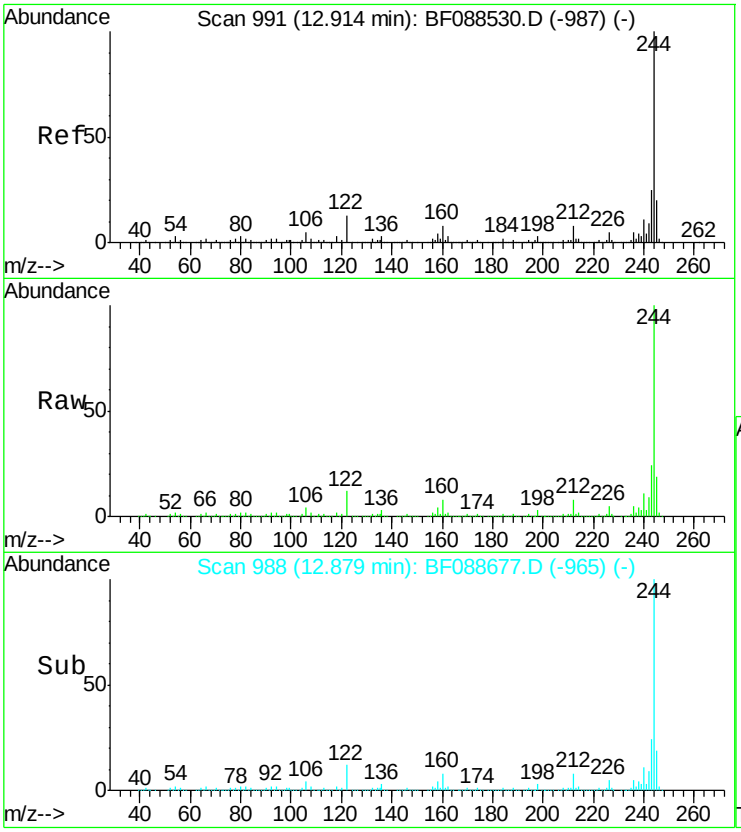


#77
Pyrene
Concen: 7.43 ng
RT: 12.72 min Scan# 974
Delta R.T. -0.05 min
Lab File: BF088677.D
Acq: 4 Jul 2016 6:19

Tgt Ion:202 Resp: 149665

Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.2
203	18.7	14.5	21.7

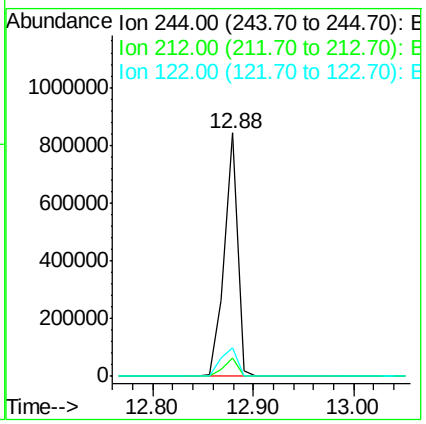




#78
Terphenyl-d14
Concen: 72.72 ng
RT: 12.88 min Scan# 988
Delta R.T. -0.03 min
Lab File: BF088677.D
Acq: 4 Jul 2016 6:19

Tgt Ion:244 Resp: 775278

Ion	Ratio	Lower	Upper
244	100		
212	7.5	6.0	9.0
122	11.7	11.2	16.8



Instrument :
BNA_F
ClientSampleId :
D10-B2(0-11)C

Manual Integrations
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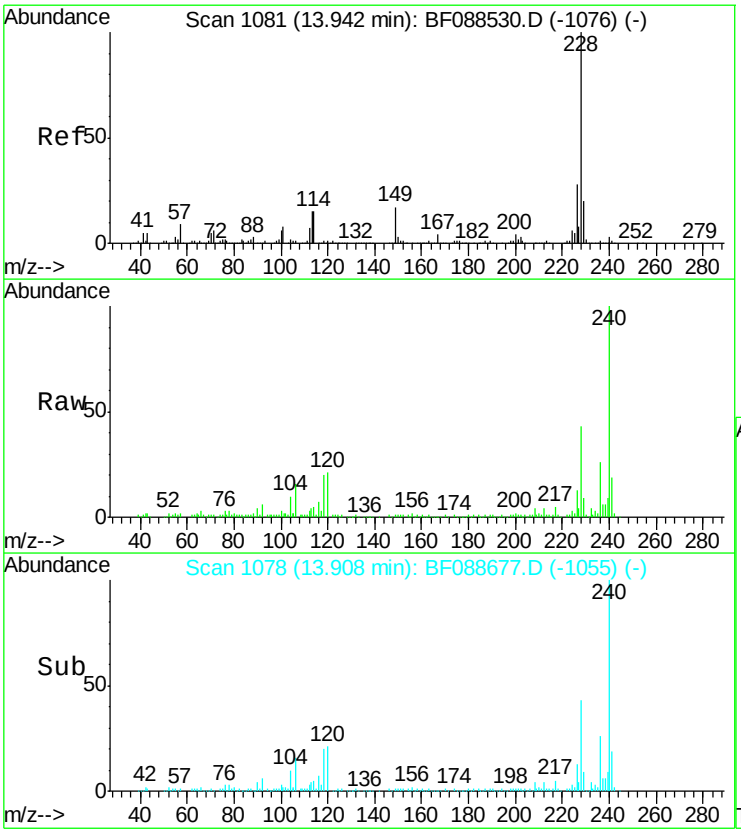
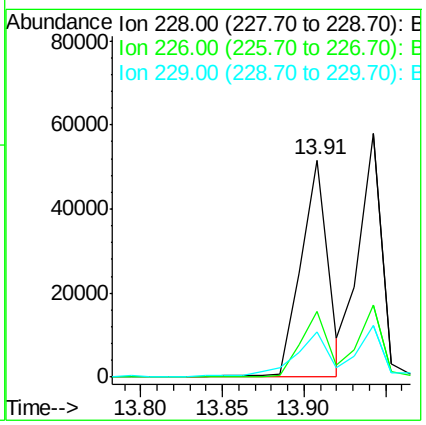
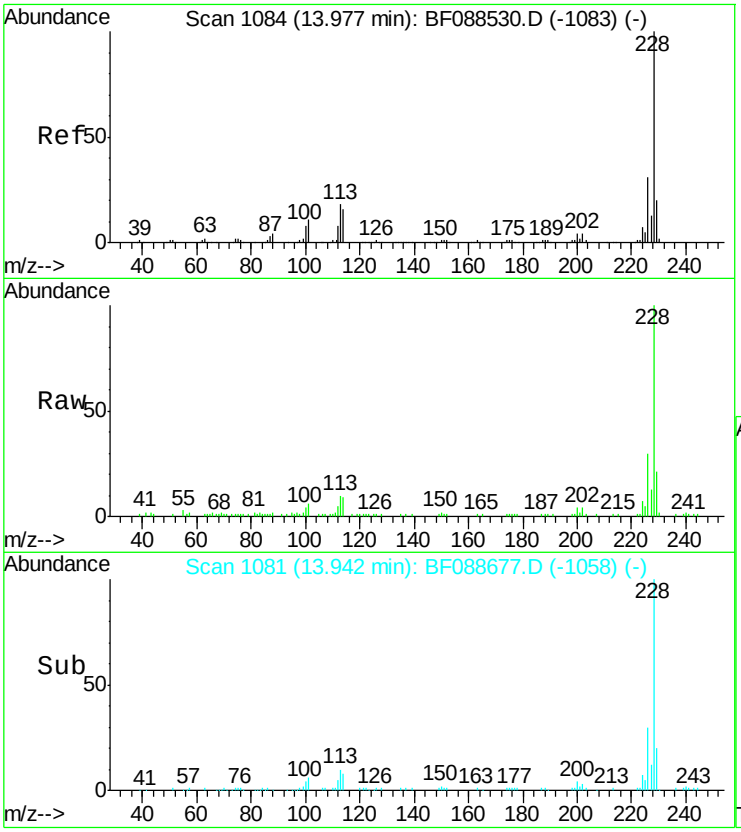


#80
Benzo(a)anthracene
Concen: 3.93 ng
RT: 13.91 min Scan# 1078
Delta R.T. -0.03 min
Lab File: BF088677.D
Acq: 4 Jul 2016 6:19

Tgt Ion:228 Resp: 60042

Ion	Ratio	Lower	Upper
228	100		
226	30.2	22.3	33.5
229	20.6	16.0	24.0

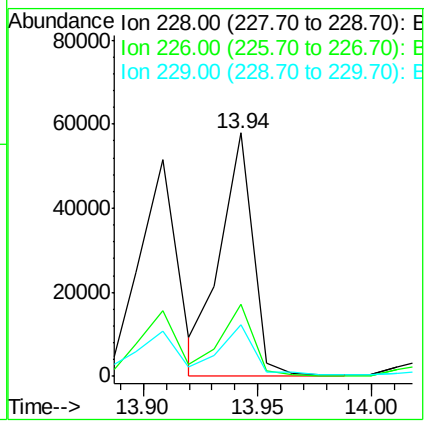




#82
Chrysene
Concen: 3.81 ng m
RT: 13.94 min Scan# 1081
Delta R.T. -0.03 min
Lab File: BF088677.D
Acq: 4 Jul 2016 6:19

Tgt Ion:228 Resp: 57689

Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.4	38.2
229	21.2	16.3	24.5



Instrument :
BNA_F
ClientSampleId :
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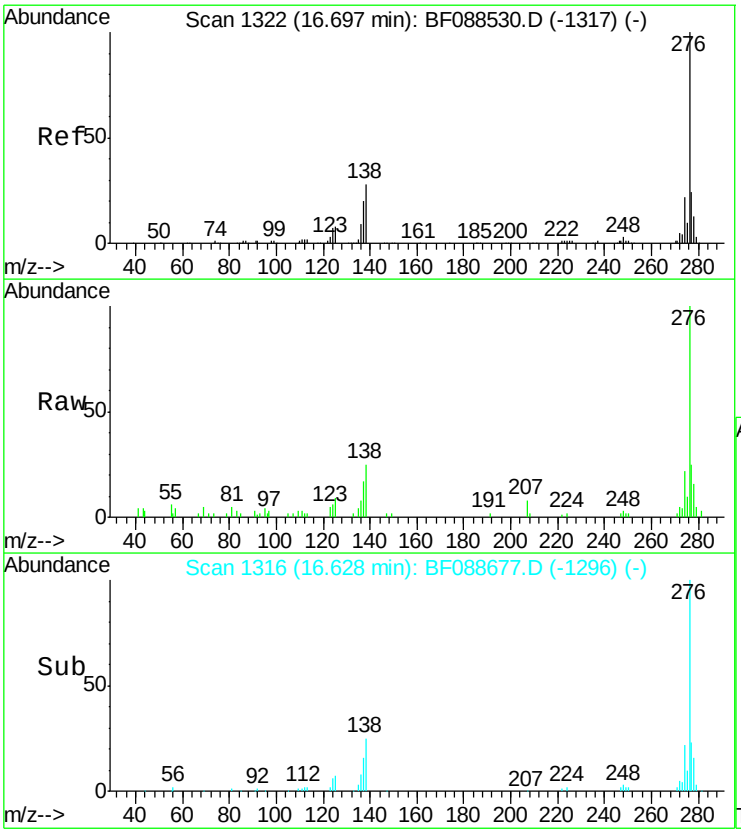
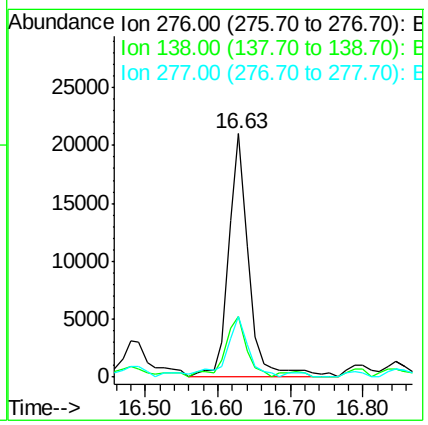
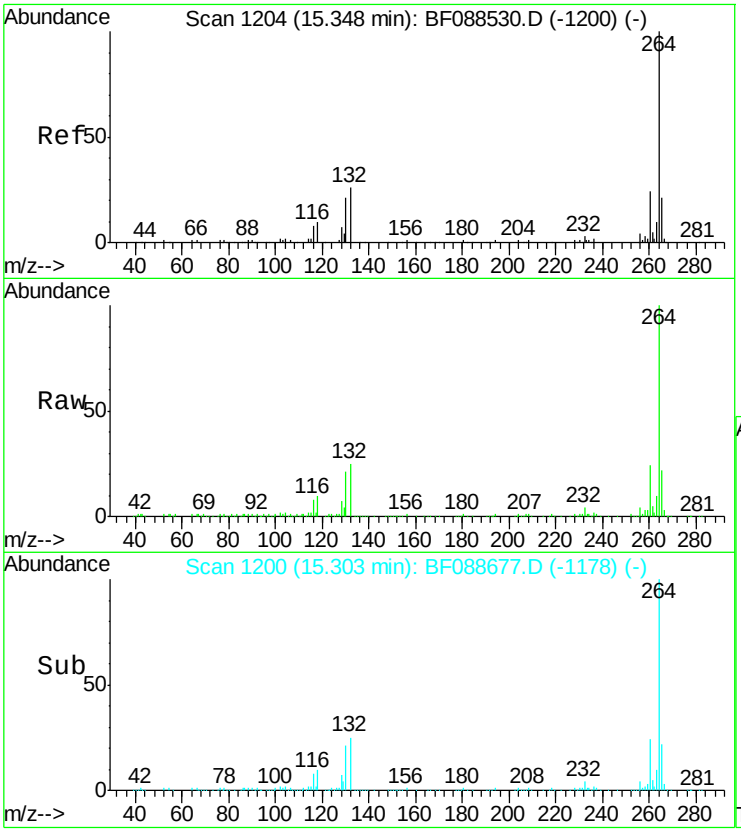


#85
Indeno(1,2,3-cd)pyrene
Concen: 3.50 ng
RT: 16.63 min Scan# 1316
Delta R.T. -0.07 min
Lab File: BF088677.D
Acq: 4 Jul 2016 6:19

Tgt Ion:276 Resp: 40700

Ion	Ratio	Lower	Upper
276	100		
138	26.6	0.0	0.0#
277	29.0	0.0	0.0#

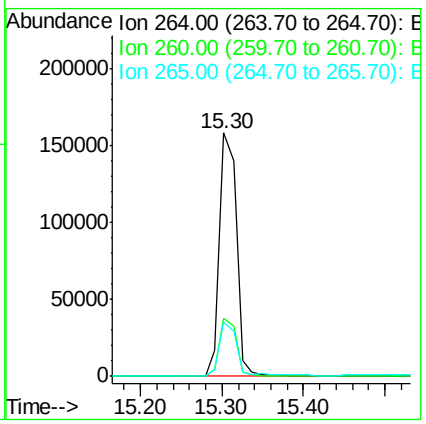




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.30 min Scan# 1200
Delta R.T. -0.05 min
Lab File: BF088677.D
Acq: 4 Jul 2016 6:19

Tgt Ion:264 Resp: 229306

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



Instrument :
BNA_F
ClientSampleId :
D10-B2(0-11)C

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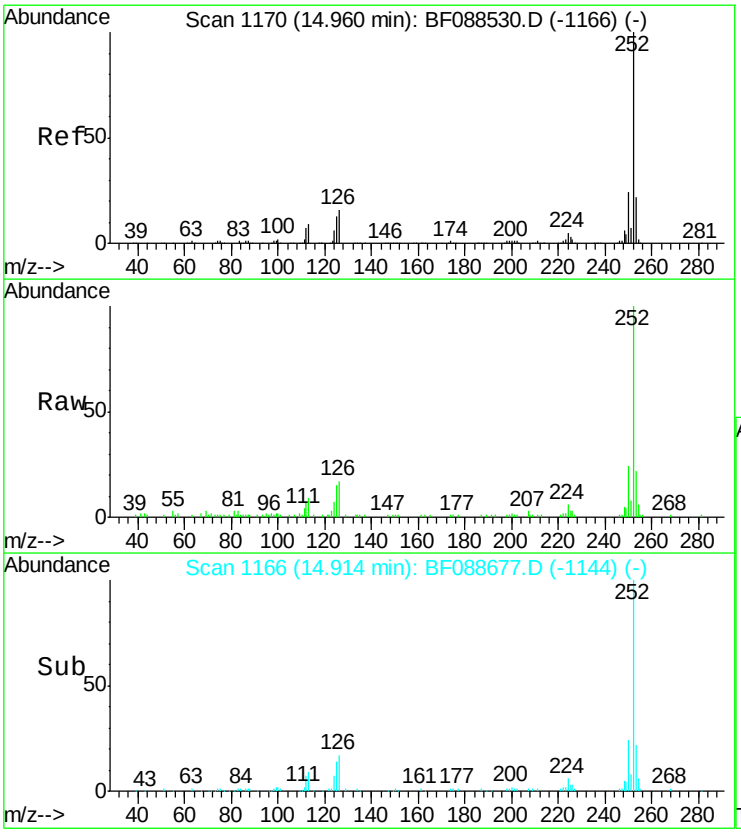
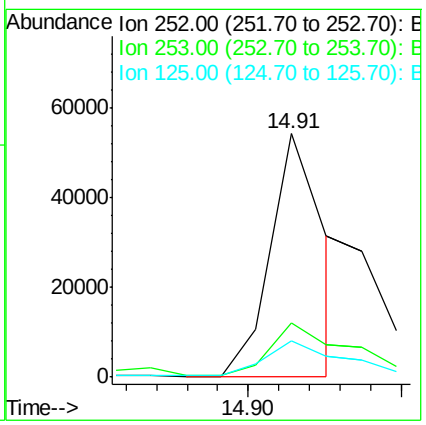
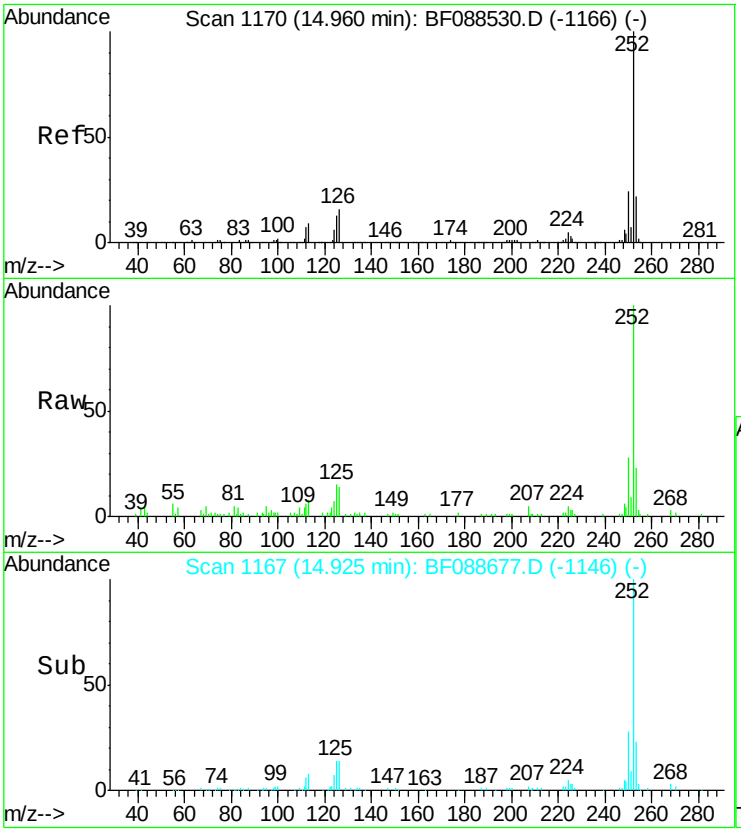


#87
Benzo(b)fluoranthene
Concen: 4.59 ng m
RT: 14.91 min Scan# 1166
Delta R.T. -0.05 min
Lab File: BF088677.D
Acq: 4 Jul 2016 6:19

Tgt Ion:252 Resp: 66021

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.4	26.2
125	14.9	7.1	10.7#

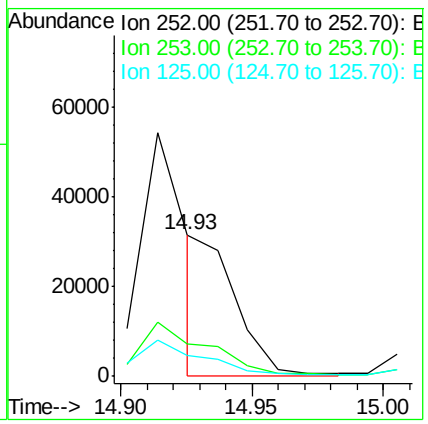




#88
Benzo(k)fluoranthene
Concen: 2.26 ng m
RT: 14.93 min Scan# 1167
Delta R.T. -0.06 min
Lab File: BF088677.D
Acq: 4 Jul 2016 6:19

Tgt Ion:252 Resp: 28349

Ion	Ratio	Lower	Upper
252	100		
253	23.4	18.0	27.0
125	15.1	11.2	16.8



Instrument :
BNA_F
ClientSampleId :
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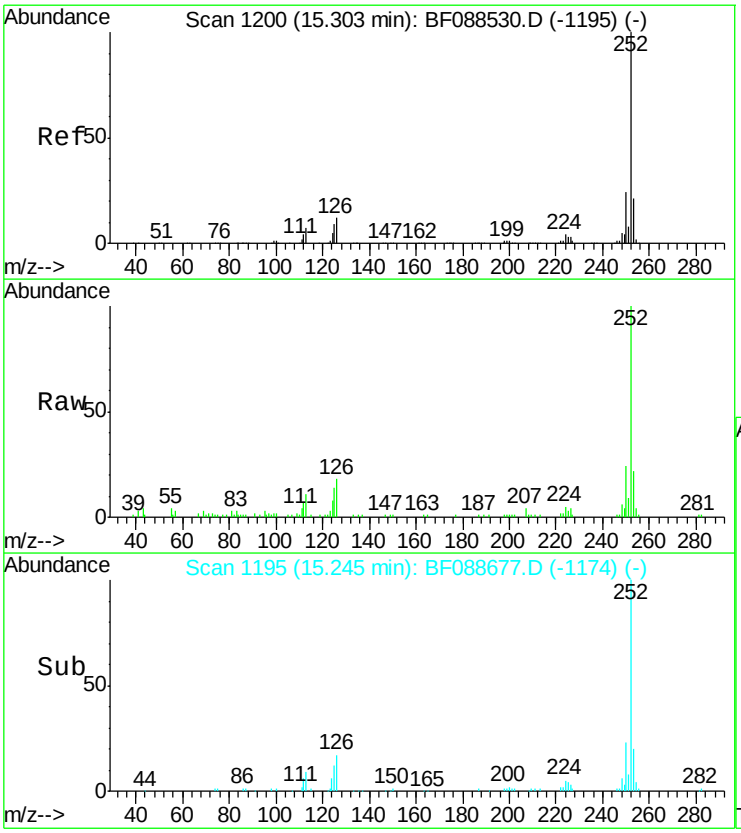
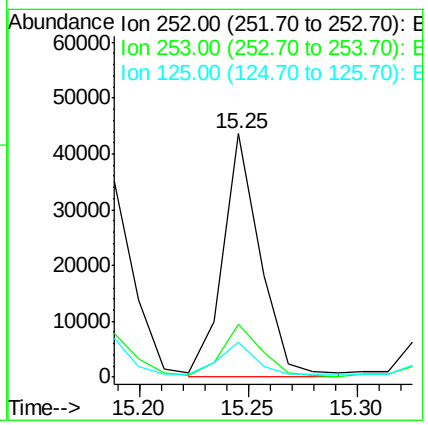
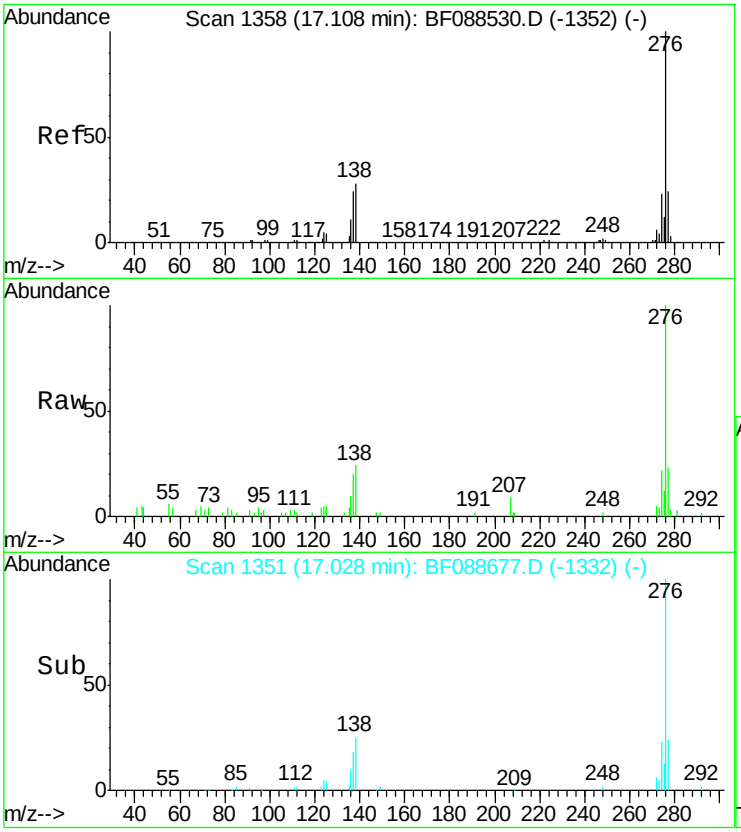


#89
Benzo(a)pyrene
Concen: 4.27 ng
RT: 15.25 min Scan# 1195
Delta R.T. -0.06 min
Lab File: BF088677.D
Acq: 4 Jul 2016 6:19

Tgt Ion:252 Resp: 51953

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.9	26.9
125	14.4	12.5	18.7

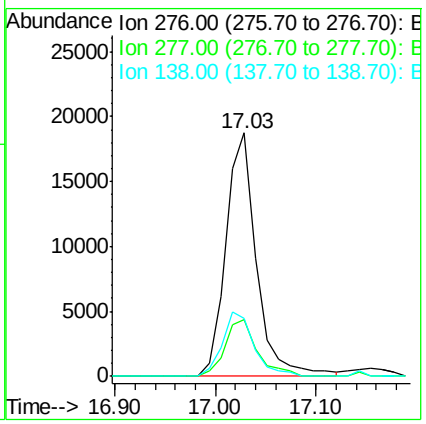




#91
Benzo(g,h,i)perylene
Concen: 3.76 ng
RT: 17.03 min Scan# 1351
Delta R.T. -0.08 min
Lab File: BF088677.D
Acq: 4 Jul 2016 6:19

Tgt Ion:276 Resp: 39608

Ion	Ratio	Lower	Upper
276	100		
277	23.3	18.9	28.3
138	23.8	21.4	32.2



Instrument :
BNA_F
ClientSampleId :
D10-B2(0-11)C

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