Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061016\
Data File : BF087877.D
Acq On : 10 Jun 2016 16:27
Operator : UM/SJ
Sample : H3426-10 2X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SS-56

Manual Integrations APPROVED
SOHIL
6/13/2016 7:13:23 PM

Quant Time: Jun 10 18:31:35 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF060716.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Jun 07 18:51:55 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	129079	20.00	ng		-0.03
21) Naphthalene-d8	8.10	136	529268	20.00	ng		-0.02
38) Acenaphthene-d10	9.85	164	222936	20.00	ng		-0.03
63) Phenanthrene-d10	11.32	188	344982	20.00	ng		-0.03
75) Chrysene-d12	13.95	240	271983	20.00	ng		-0.03
86) Perylene-d12	15.36	264	220128	20.00	ng		-0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.40	112	508540	67.35	ng		-0.02
7) Phenol-d6	6.44	99	576603	63.01	ng		-0.03
23) Nitrobenzene-d5	7.37	82	315417	34.80	ng		-0.05
41) 2,4,6-Tribromophenol	10.63	330	110792	47.07	ng		-0.05
44) 2-Fluorobiphenyl	9.18	172	712734	47.80	ng		-0.03
78) Terphenyl-d14	12.90	244	399119	33.39	ng		-0.05
Target Compounds							Qvalue
49) Dimethylphthalate	9.56	163	70187	4.35	ng		99
70) Phenanthrene	11.35	178	191949	10.60	ng		98
71) Anthracene	11.39	178	52855	2.89	ng		98
74) Fluoranthene	12.52	202	193396	10.12	ng		96
77) Pyrene	12.75	202	175461	8.69	ng		98
80) Benzo(a)anthracene	13.94	228	93134m	6.01	ng		
82) Chrysene	13.98	228	81324m	5.58	ng		
85) Indeno(1,2,3-cd)pyrene	16.71	276	33109	2.44	ng	#	100
87) Benzo(b)fluoranthene	14.96	252	95968m	6.25	ng		
88) Benzo(k)fluoranthene	14.98	252	34647m	2.99	ng		
89) Benzo(a)pyrene	15.30	252	66136	5.33	ng		96
91) Benzo(g,h,i)perylene	17.12	276	32983	2.78	ng		95

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF061016\
Data File : BF087877.D
Acq On : 10 Jun 2016 16:27
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Misc :
ALS Vial : 10 Sample Multiplier: 1

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BNA_F
ClientSampleId :
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Manual Integrations APPROVED
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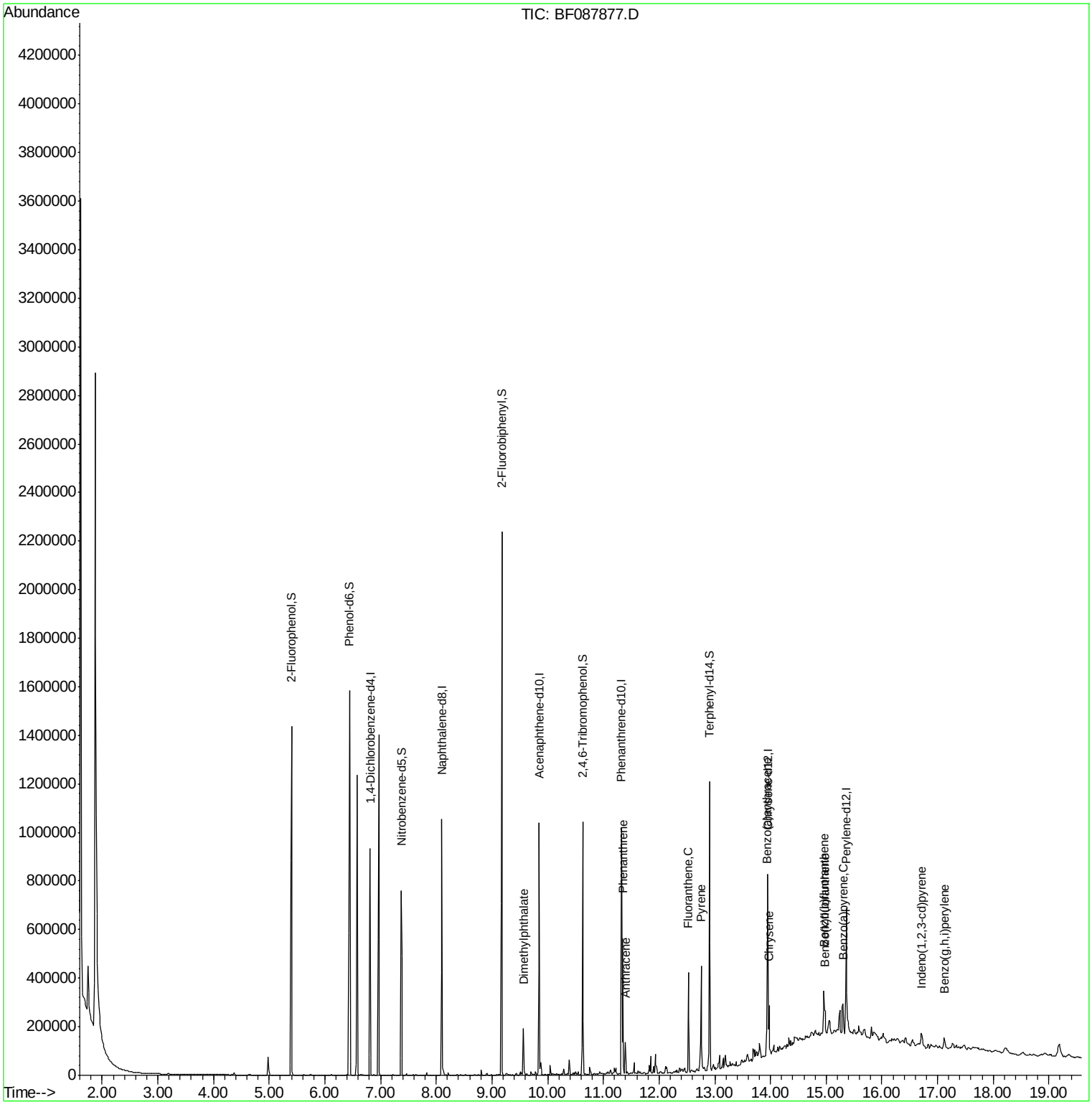
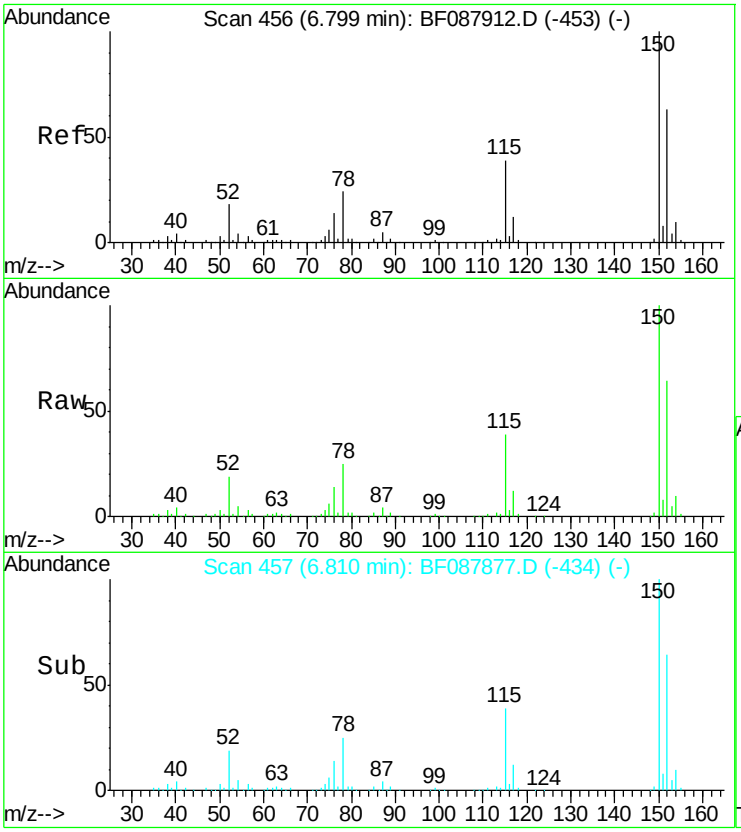
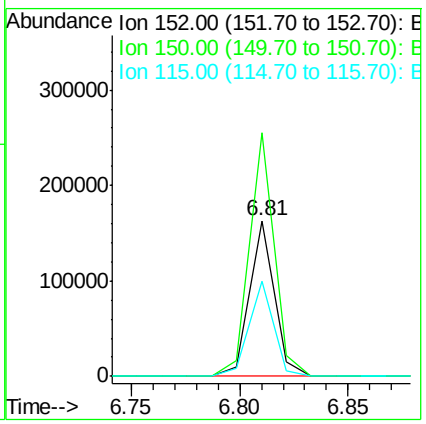




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.81 min Scan# 457
Delta R.T. -0.03 min
Lab File: BF087877.D
Acq: 10 Jun 2016 16:27

Tgt Ion:152 Resp: 129079

Ion	Ratio	Lower	Upper
152	100		
150	156.3	123.8	185.6
115	60.7	39.6	59.4#



Instrument :
BNA_F
ClientSampleId :
SS-56

Manual Integrations APPROVED
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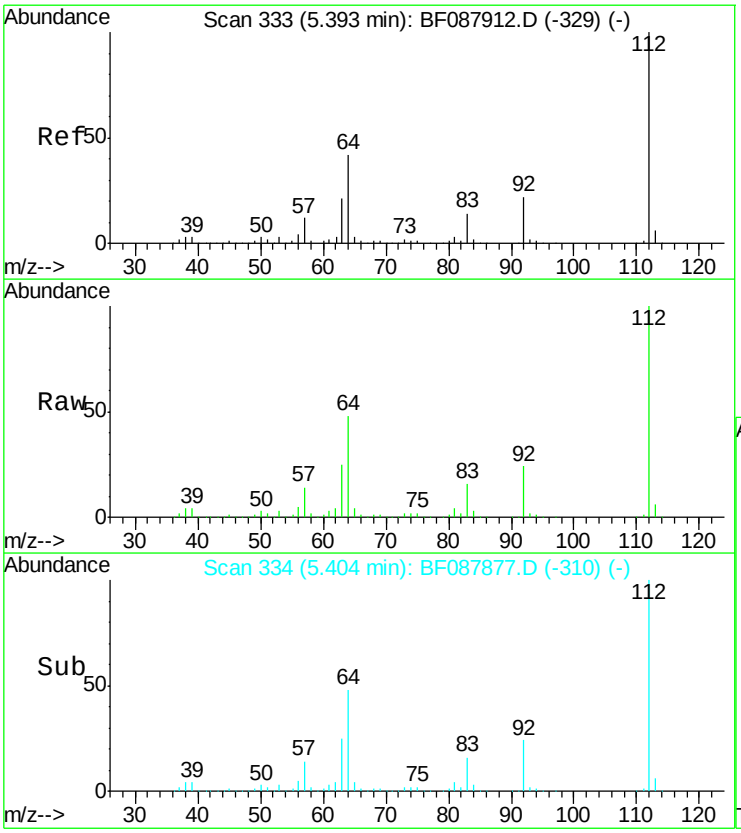
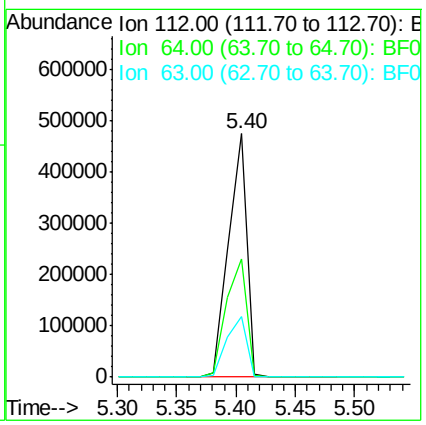
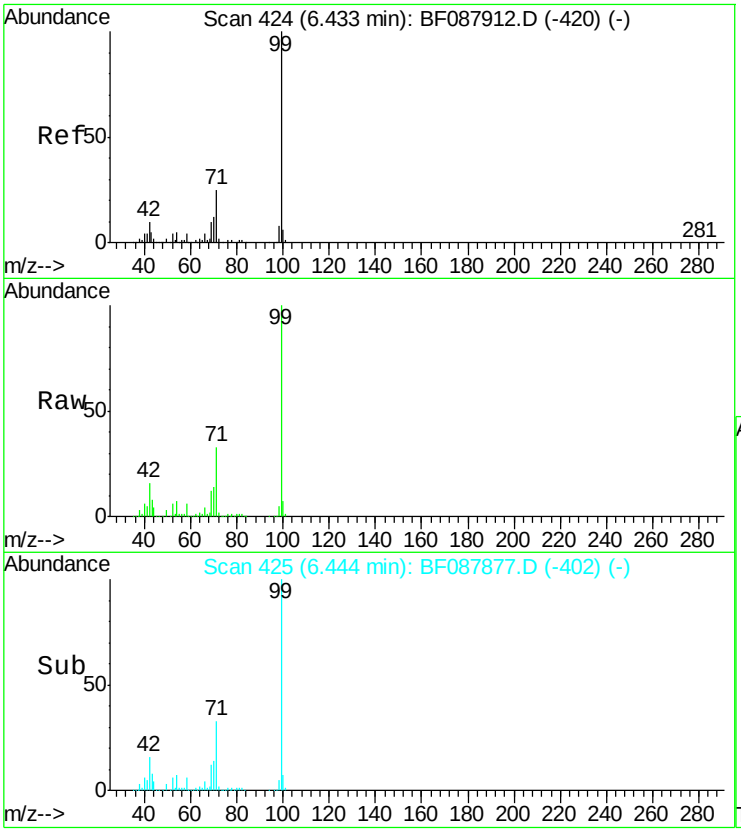


#5
2-Fluorophenol
Concen: 67.35 ng
RT: 5.40 min Scan# 334
Delta R.T. -0.02 min
Lab File: BF087877.D
Acq: 10 Jun 2016 16:27

Tgt Ion:112 Resp: 508540

Ion	Ratio	Lower	Upper
112	100		
64	48.4	42.2	63.2
63	24.8	21.8	32.8

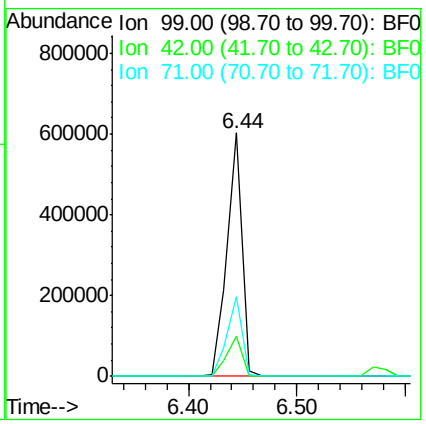




#7
Phenol-d6
Concen: 63.01 ng
RT: 6.44 min Scan# 425
Delta R.T. -0.03 min
Lab File: BF087877.D
Acq: 10 Jun 2016 16:27

Tgt Ion: 99 Resp: 576603

Ion	Ratio	Lower	Upper
99	100		
42	16.3	12.2	18.2
71	32.6	23.4	35.0



Instrument :
BNA_F
ClientSampleId :
SS-56

Manual Integrations APPROVED
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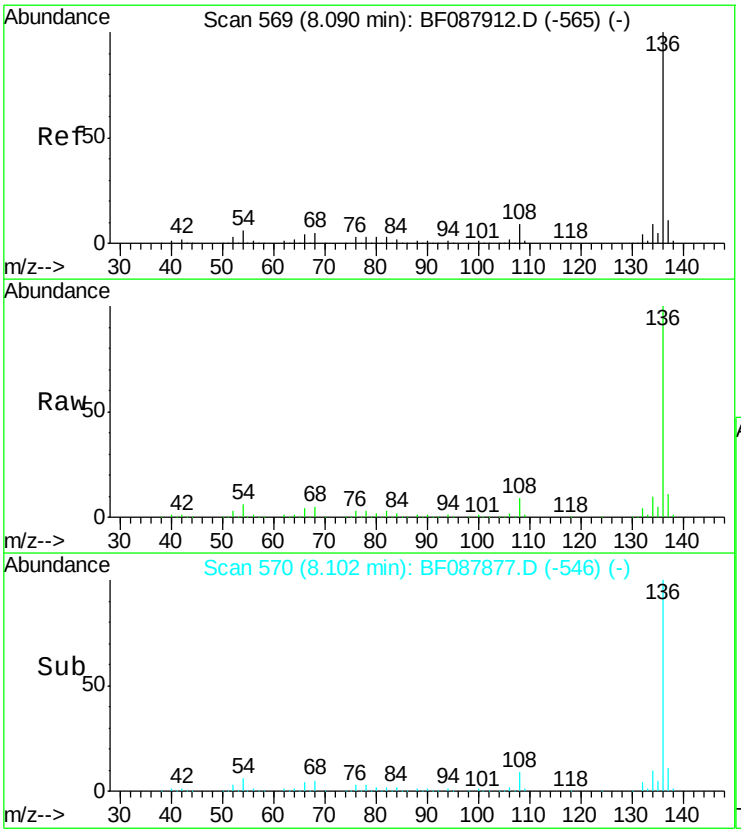
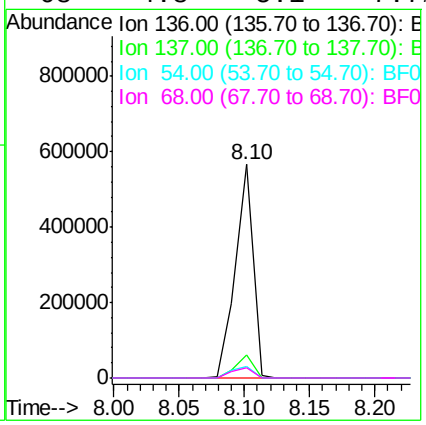
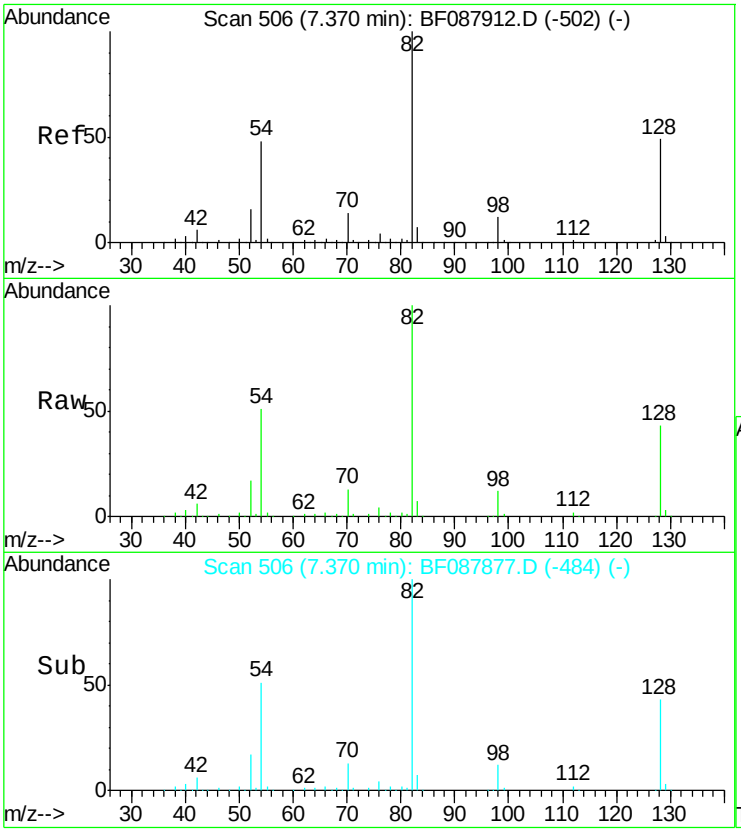


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 570
Delta R.T. -0.02 min
Lab File: BF087877.D
Acq: 10 Jun 2016 16:27

Tgt Ion:136 Resp: 529268

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.1	13.7
54	5.6	6.6	10.0#
68	4.8	5.1	7.7#

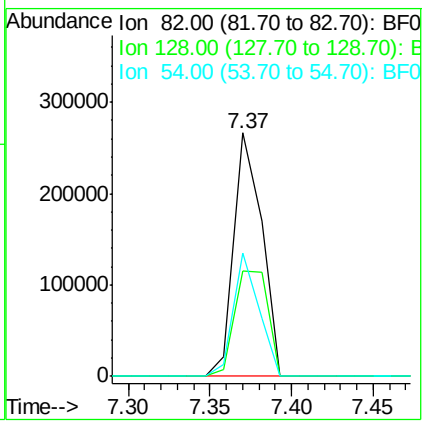




#23
Nitrobenzene-d5
Concen: 34.80 ng
RT: 7.37 min Scan# 506
Delta R.T. -0.05 min
Lab File: BF087877.D
Acq: 10 Jun 2016 16:27

Tgt Ion: 82 Resp: 315417

Ion	Ratio	Lower	Upper
82	100		
128	43.5	35.9	53.9
54	50.5	40.9	61.3



Instrument :
BNA_F
ClientSampleId :
SS-56

Manual Integrations APPROVED
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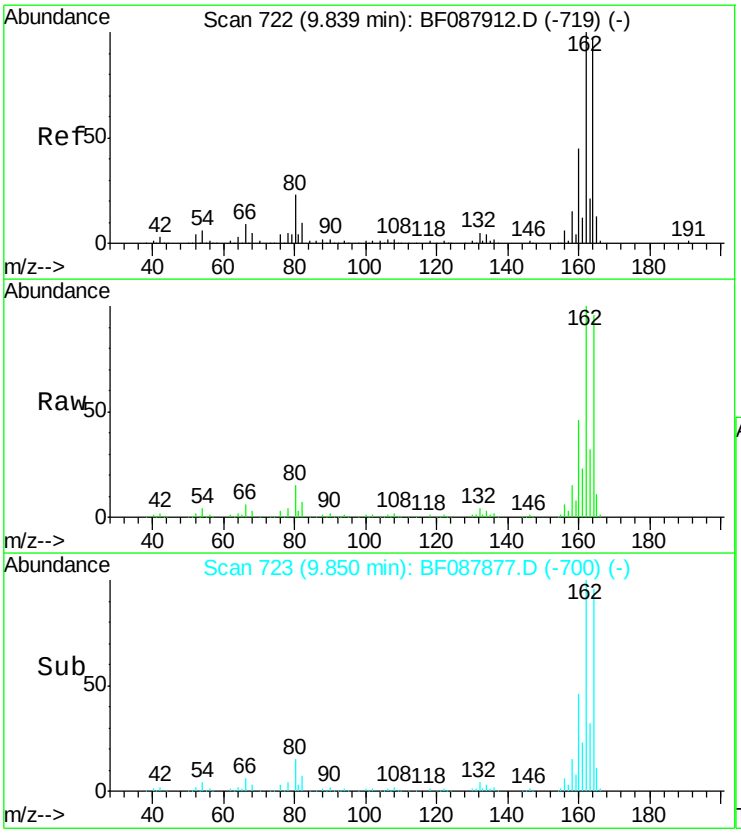
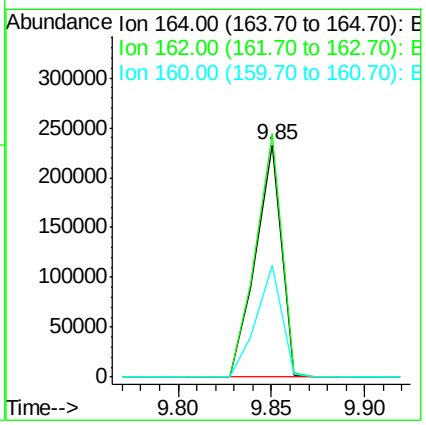
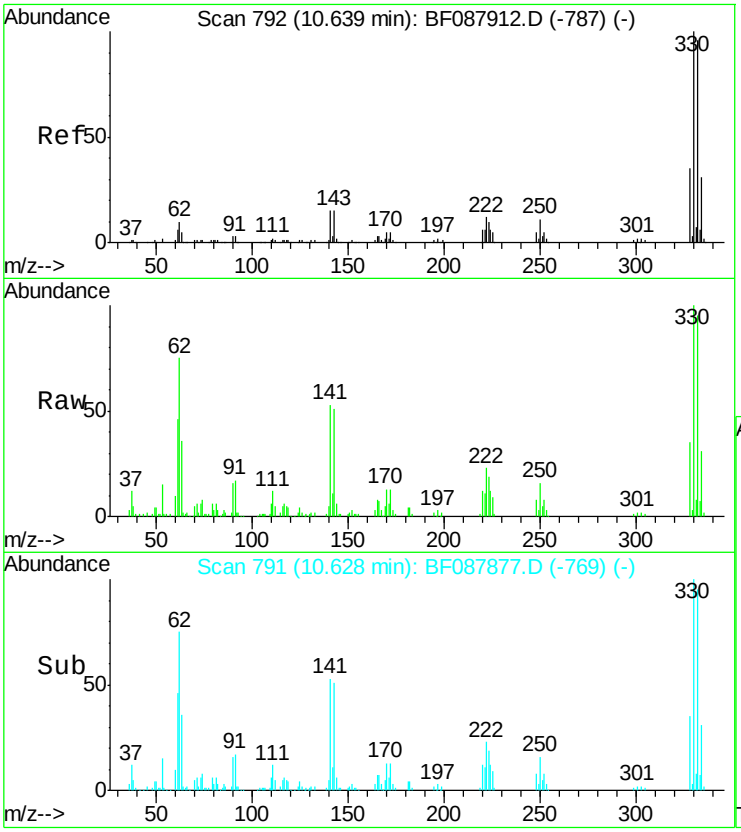


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 723
Delta R.T. -0.03 min
Lab File: BF087877.D
Acq: 10 Jun 2016 16:27

Tgt Ion:164 Resp: 222936

Ion	Ratio	Lower	Upper
164	100		
162	104.7	85.4	128.2
160	48.0	39.5	59.3

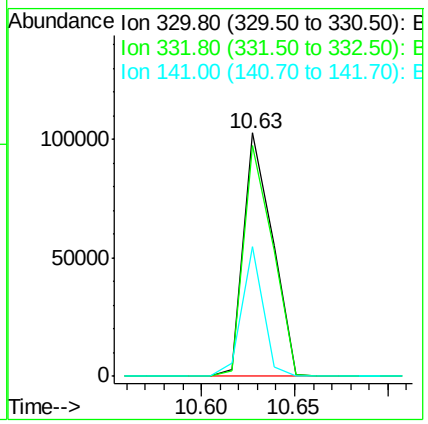




#41
2,4,6-Tribromophenol
Concen: 47.07 ng
RT: 10.63 min Scan# 791
Delta R.T. -0.05 min
Lab File: BF087877.D
Acq: 10 Jun 2016 16:27

Tgt Ion:330 Resp: 110792

Ion	Ratio	Lower	Upper
330	100		
332	95.5	0.0	0.0#
141	39.8	0.0	0.0#



Instrument :
BNA_F
ClientSampleId :
SS-56

Manual Integrations APPROVED
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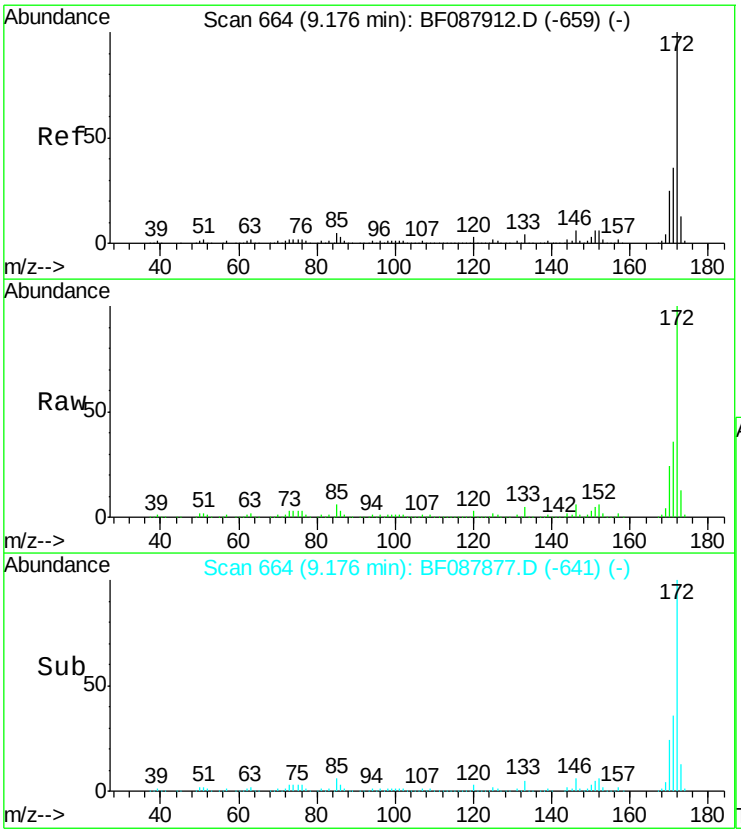
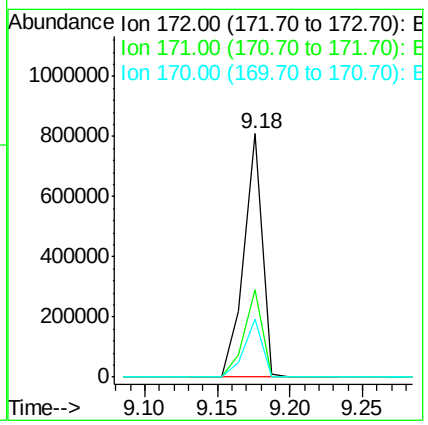
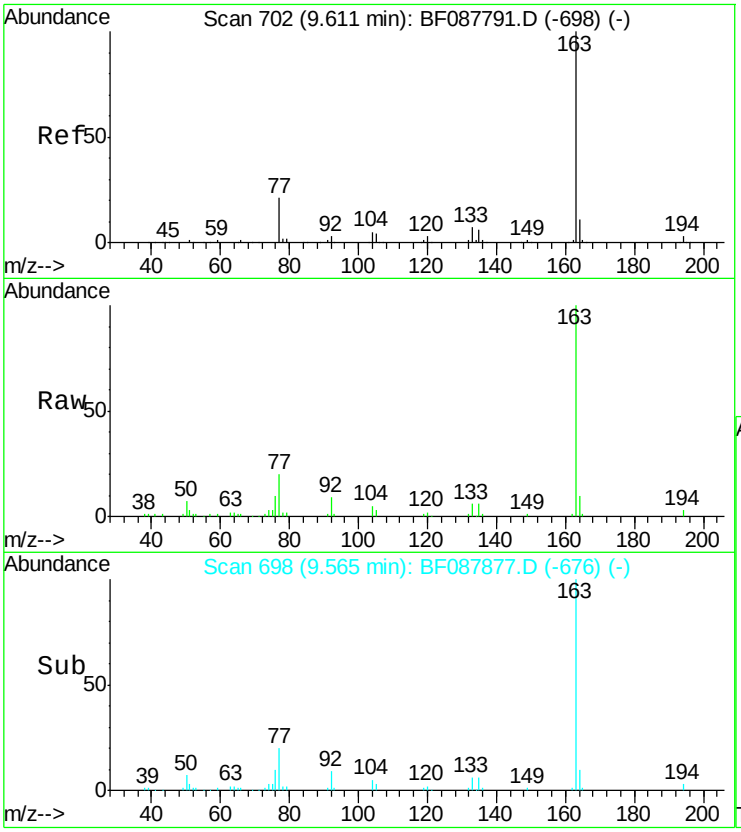


#44
2-Fluorobiphenyl
Concen: 47.80 ng
RT: 9.18 min Scan# 664
Delta R.T. -0.03 min
Lab File: BF087877.D
Acq: 10 Jun 2016 16:27

Tgt Ion:172 Resp: 712734

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	43.0
170	24.0	19.2	28.8

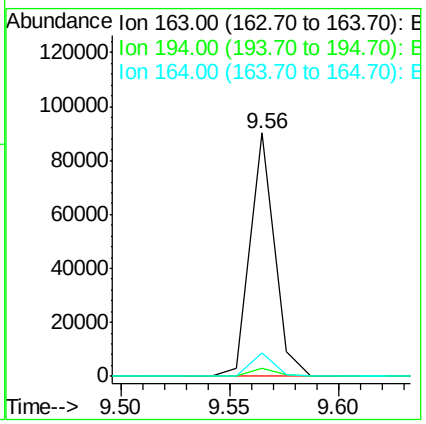




#49
Dimethylphthalate
Concen: 4.35 ng
RT: 9.56 min Scan# 698
Delta R.T. -0.05 min
Lab File: BF087877.D
Acq: 10 Jun 2016 16:27

Tgt Ion:163 Resp: 70187

Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.8	4.2
164	9.9	8.3	12.5



Instrument :
BNA_F
ClientSampleId :
SS-56

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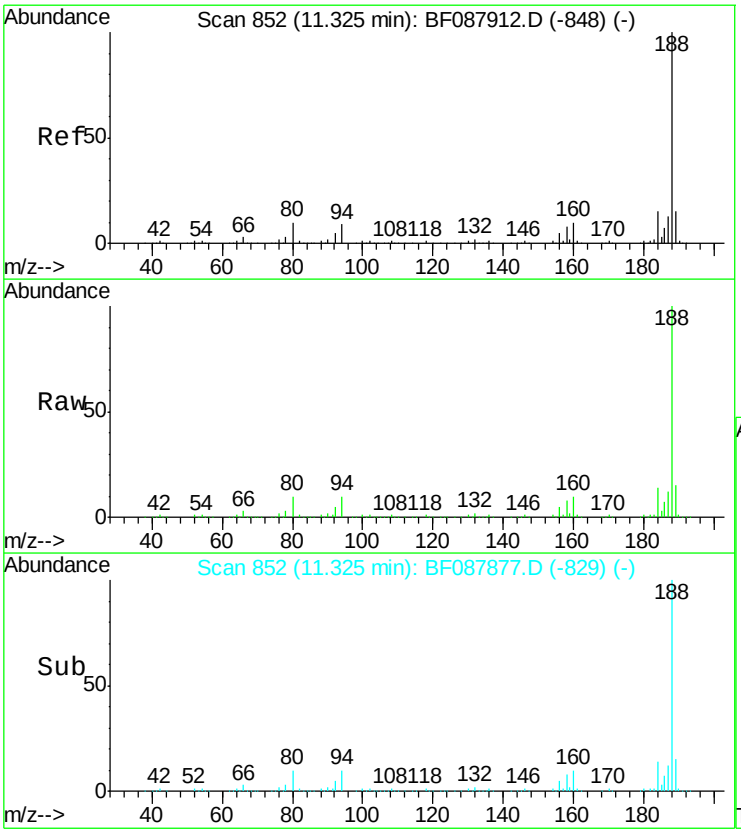
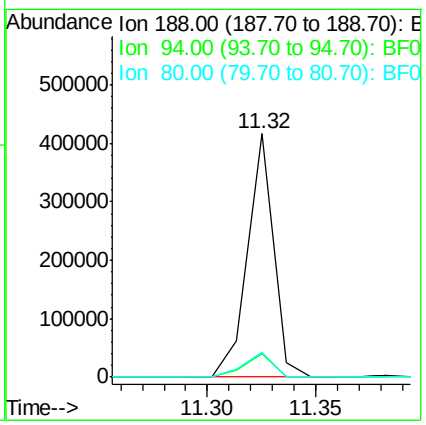
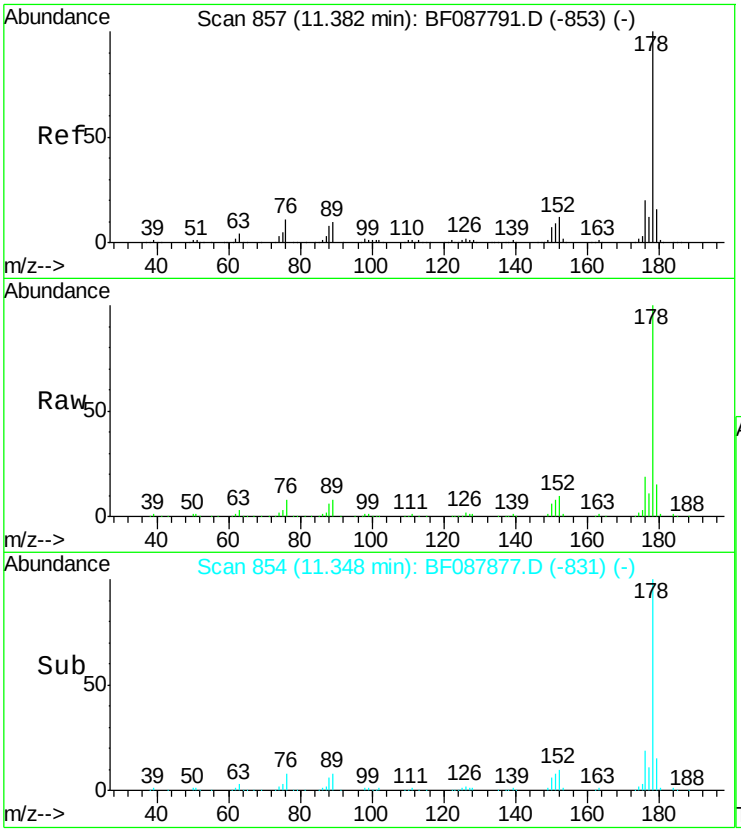


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.32 min Scan# 852
Delta R.T. -0.03 min
Lab File: BF087877.D
Acq: 10 Jun 2016 16:27

Tgt Ion:188 Resp: 344982

Ion	Ratio	Lower	Upper
188	100		
94	9.5	9.0	13.6
80	9.9	10.0	15.0#

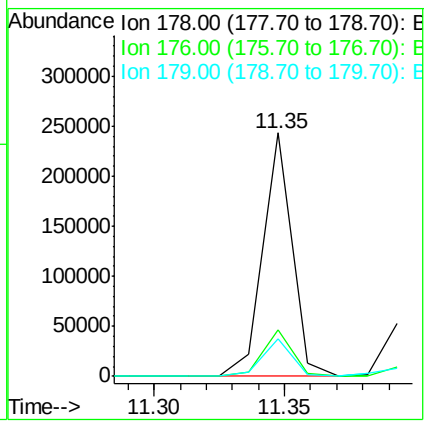




#70
Phenanthrene
Concen: 10.60 ng
RT: 11.35 min Scan# 854
Delta R.T. -0.03 min
Lab File: BF087877.D
Acq: 10 Jun 2016 16:27

Tgt Ion:178 Resp: 191949

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.6
179	15.4	13.0	19.4



Instrument :
BNA_F
ClientSampleId :
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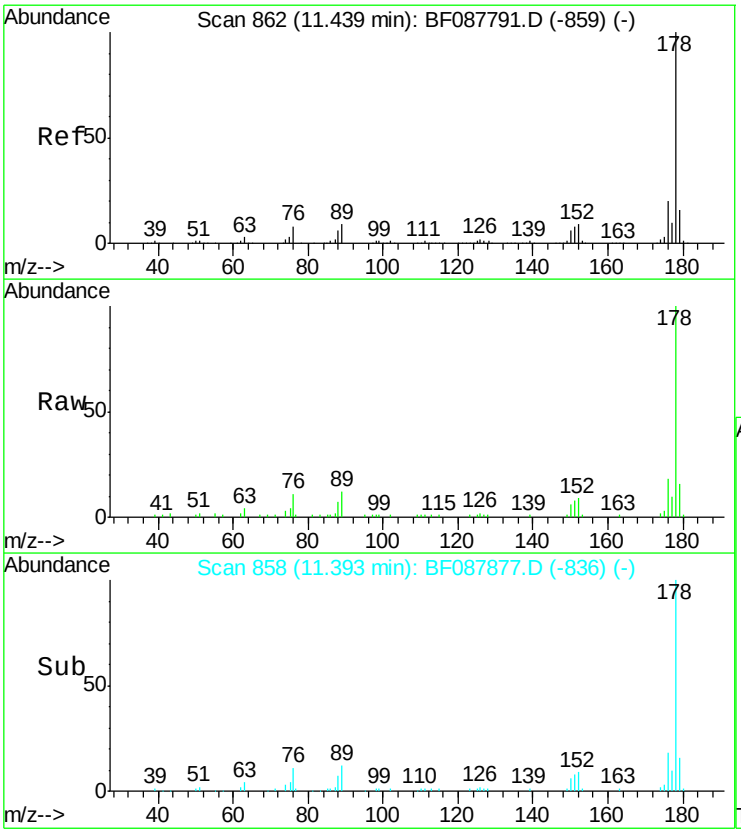
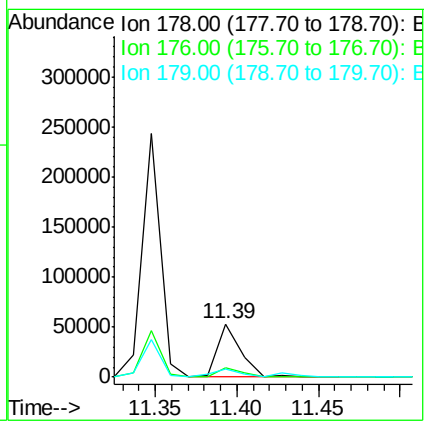
6/13/2016 7:13:23 PM

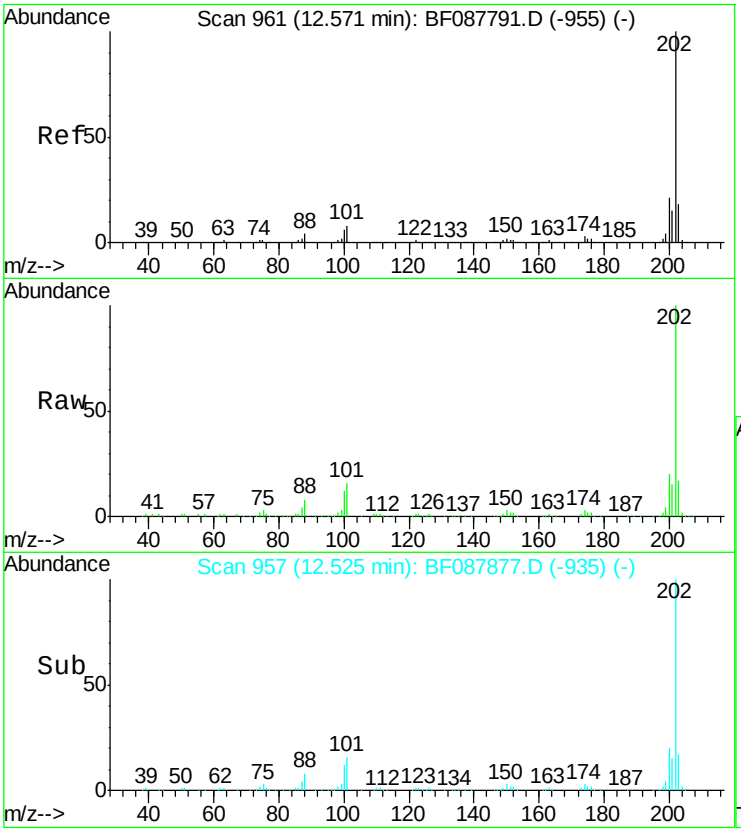


#71
Anthracene
Concen: 2.89 ng
RT: 11.39 min Scan# 858
Delta R.T. -0.05 min
Lab File: BF087877.D
Acq: 10 Jun 2016 16:27

Tgt Ion:178 Resp: 52855

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.6	23.4
179	15.6	12.8	19.2

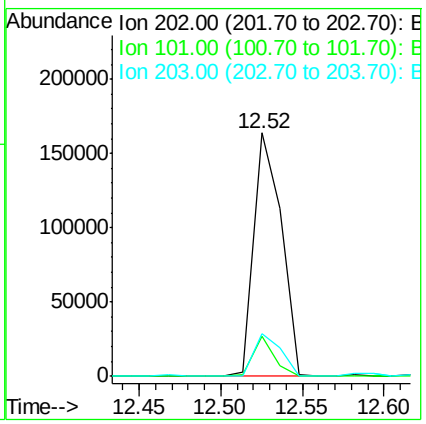




#74
Fluoranthene
Concen: 10.12 ng
RT: 12.52 min Scan# 957
Delta R.T. -0.05 min
Lab File: BF087877.D
Acq: 10 Jun 2016 16:27

Tgt Ion:202 Resp: 193396

Ion	Ratio	Lower	Upper
202	100		
101	16.4	0.0	33.1
203	17.3	0.0	38.1



Instrument :
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ClientSampleId :
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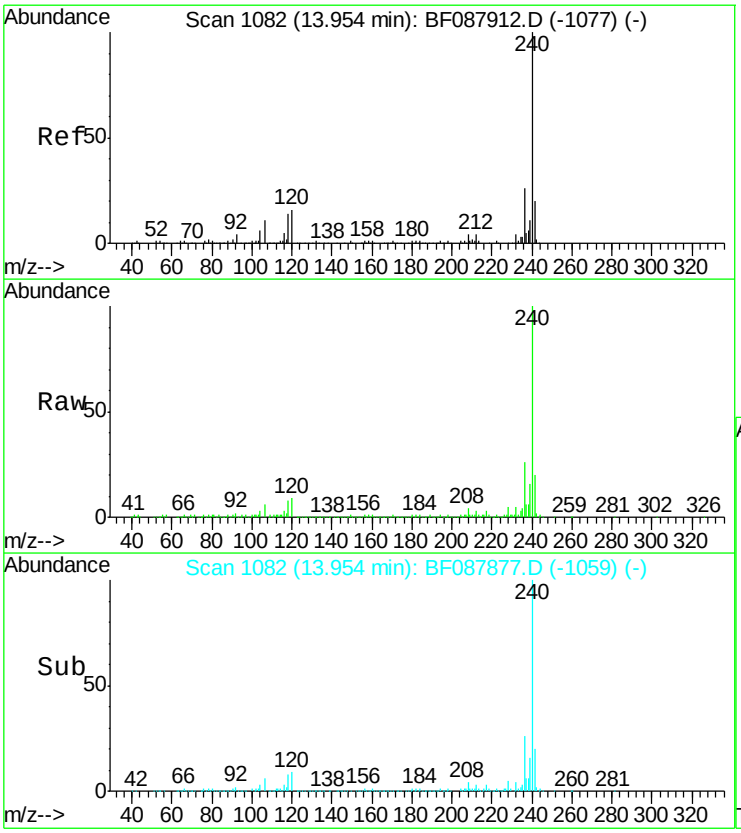
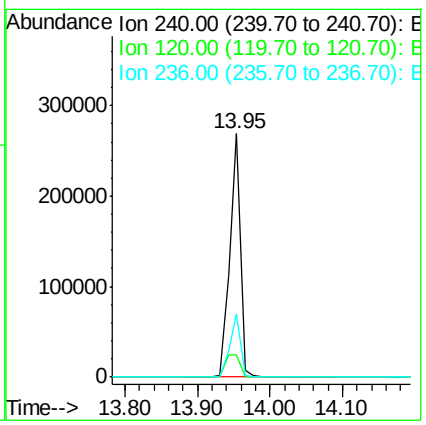
6/13/2016 7:13:23 PM

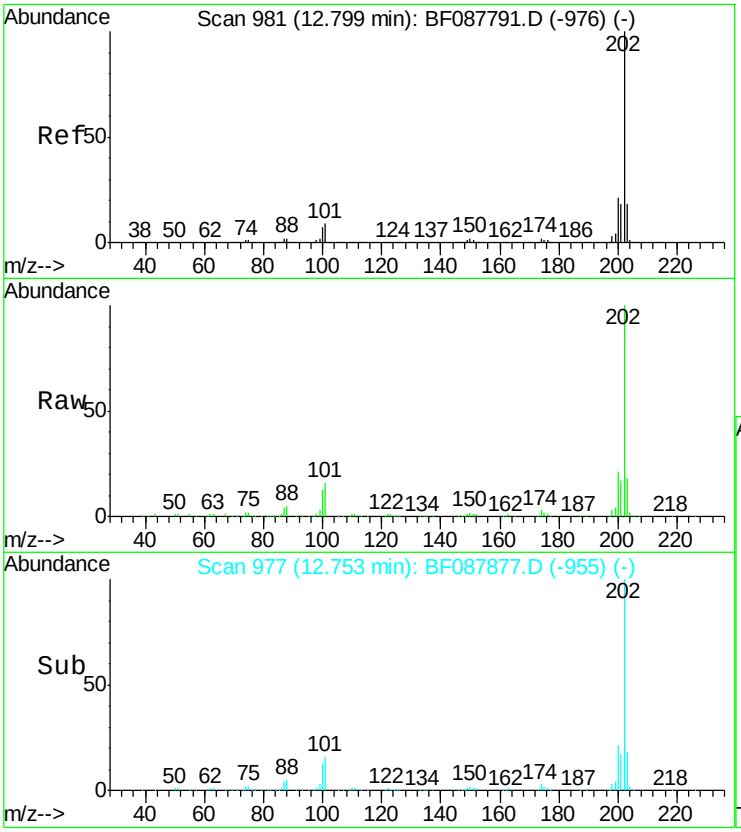


#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.95 min Scan# 1082
Delta R.T. -0.03 min
Lab File: BF087877.D
Acq: 10 Jun 2016 16:27

Tgt Ion:240 Resp: 271983

Ion	Ratio	Lower	Upper
240	100		
120	9.1	6.8	10.2
236	26.1	20.2	30.2

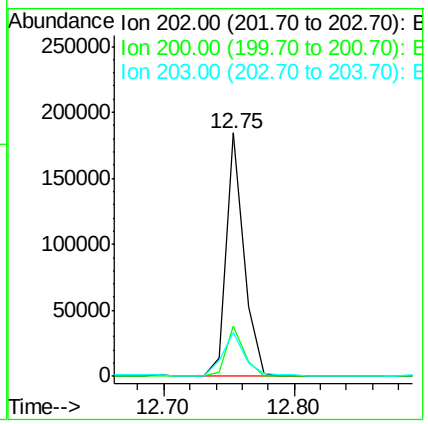




#77
Pyrene
Concen: 8.69 ng
RT: 12.75 min Scan# 977
Delta R.T. -0.05 min
Lab File: BF087877.D
Acq: 10 Jun 2016 16:27

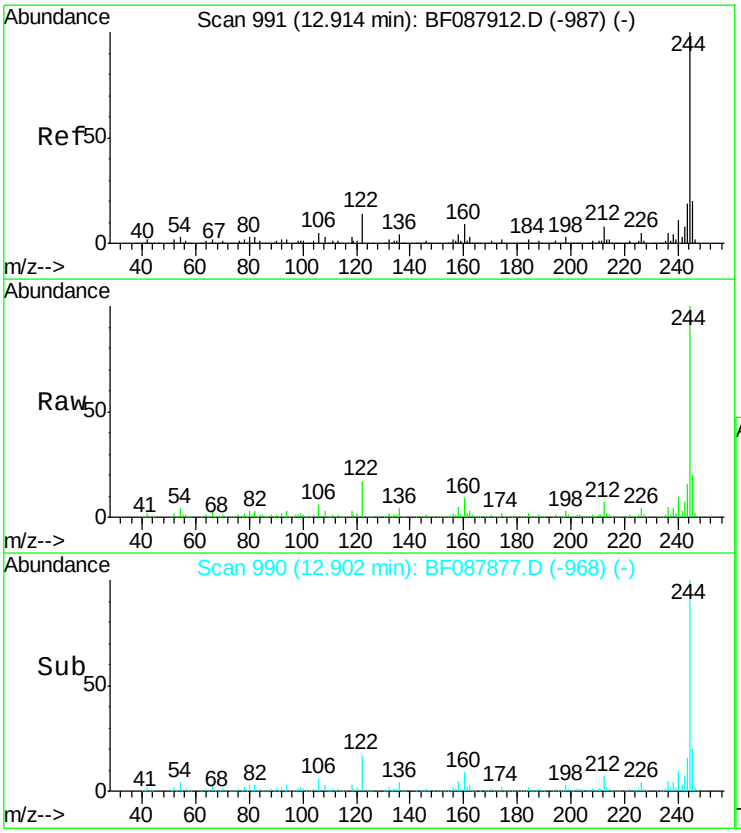
Tgt Ion:202 Resp: 175461

Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.4	26.2
203	18.0	14.5	21.7



Instrument :
BNA_F
ClientSampleId :
SS-56

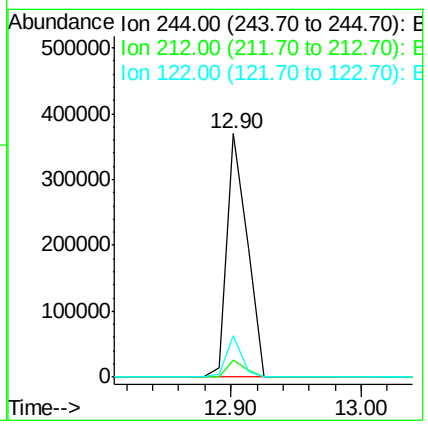
Manual Integrations APPROVED
SOHIL
6/13/2016 7:13:23 PM

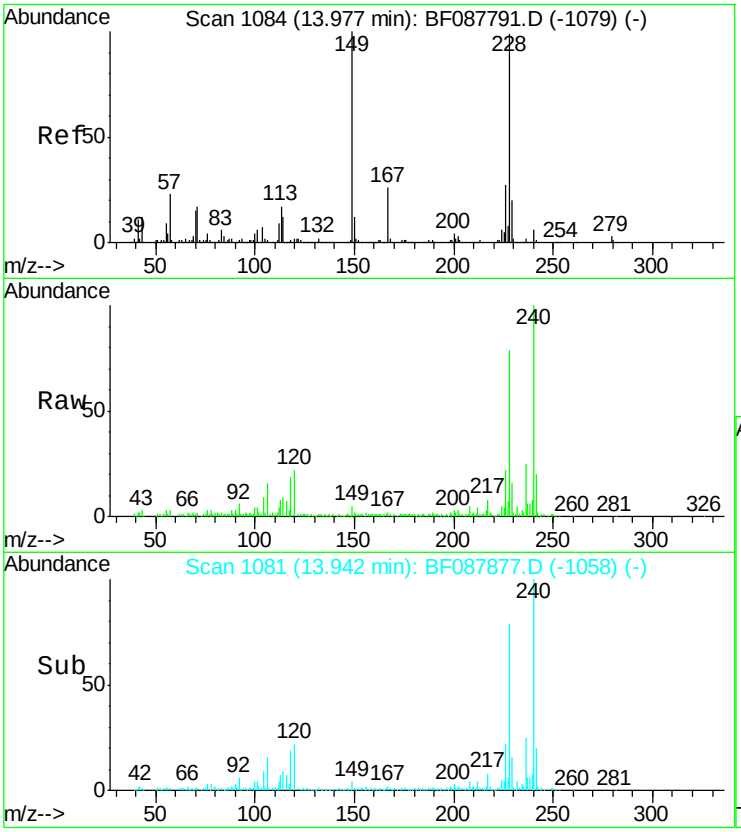


#78
Terphenyl-d14
Concen: 33.39 ng
RT: 12.90 min Scan# 990
Delta R.T. -0.05 min
Lab File: BF087877.D
Acq: 10 Jun 2016 16:27

Tgt Ion:244 Resp: 399119

Ion	Ratio	Lower	Upper
244	100		
212	7.2	6.0	9.0
122	16.8	11.2	16.8#

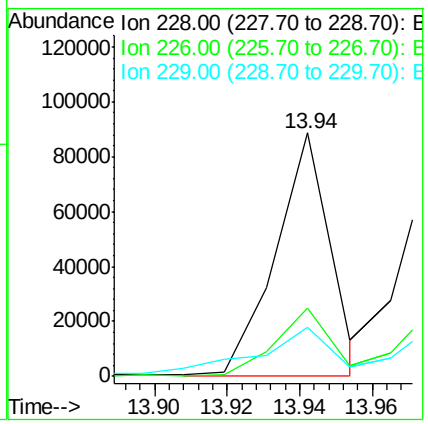




#80
Benzo(a)anthracene
Concen: 6.01 ng m
RT: 13.94 min Scan# 1081
Delta R.T. -0.03 min
Lab File: BF087877.D
Acq: 10 Jun 2016 16:27

Tgt Ion:228 Resp: 93134

Ion	Ratio	Lower	Upper
228	100		
226	28.0	22.3	33.5
229	20.3	16.0	24.0



Instrument :
BNA_F
ClientSampleId :
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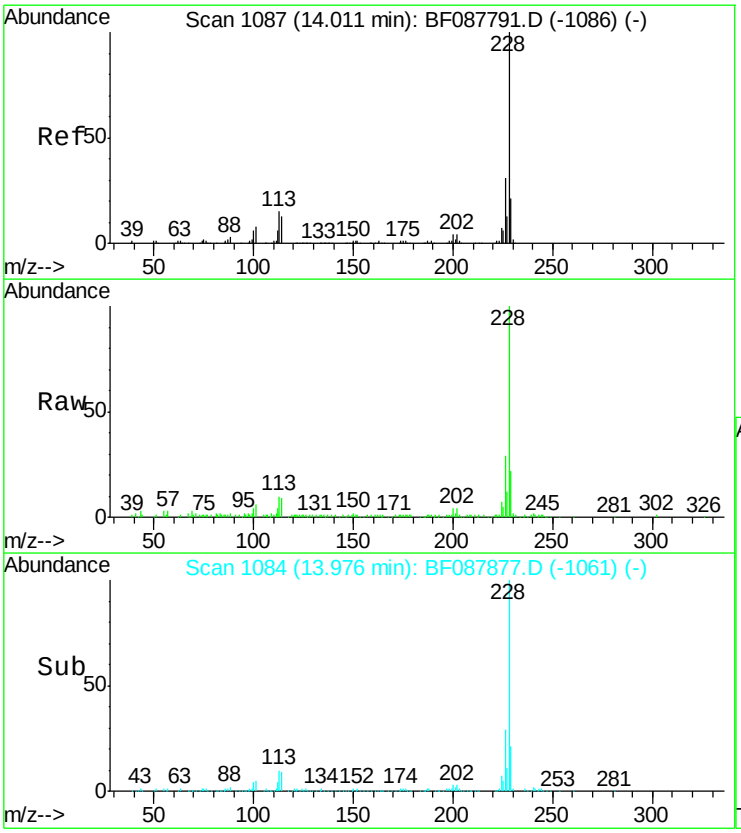
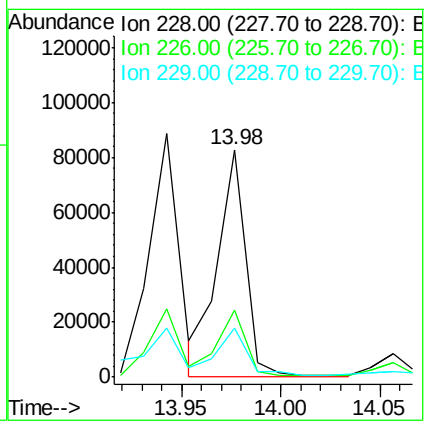
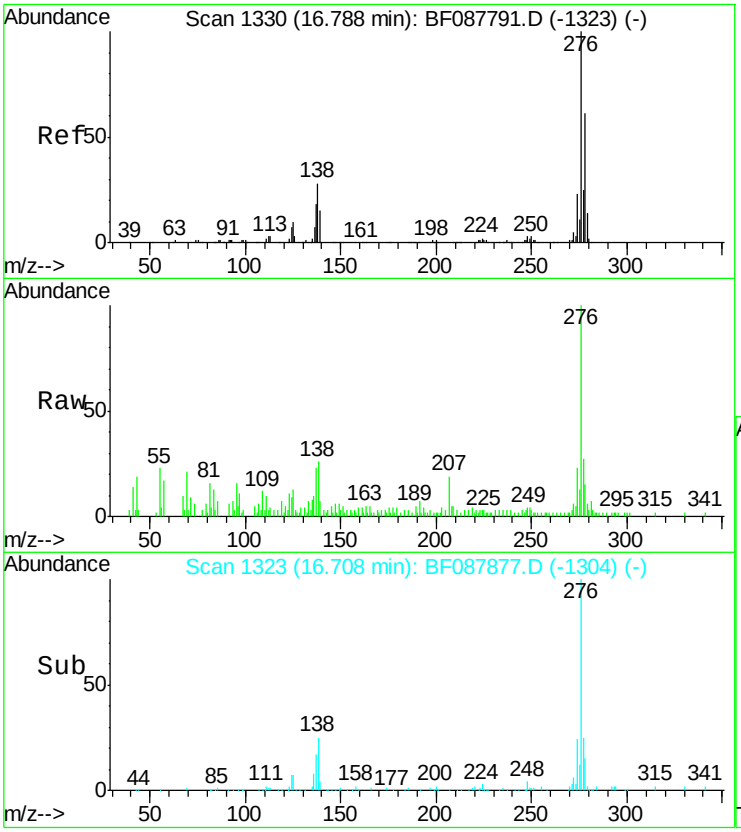


#82
Chrysene
Concen: 5.58 ng m
RT: 13.98 min Scan# 1084
Delta R.T. -0.03 min
Lab File: BF087877.D
Acq: 10 Jun 2016 16:27

Tgt Ion:228 Resp: 81324

Ion	Ratio	Lower	Upper
228	100		
226	29.2	25.4	38.2
229	21.8	16.3	24.5





#85
Indeno(1,2,3-cd)pyrene
Concen: 2.44 ng
RT: 16.71 min Scan# 1323
Delta R.T. -0.08 min
Lab File: BF087877.D
Acq: 10 Jun 2016 16:27

Tgt Ion:276 Resp: 33109

Ion	Ratio	Lower	Upper
276	100		
138	28.3	0.0	0.0#
277	30.4	0.0	0.0#

Instrument :
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ClientSampleId :
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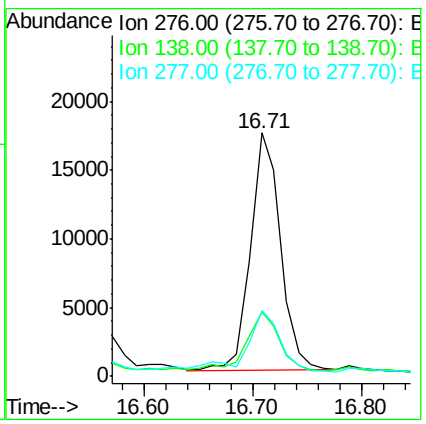
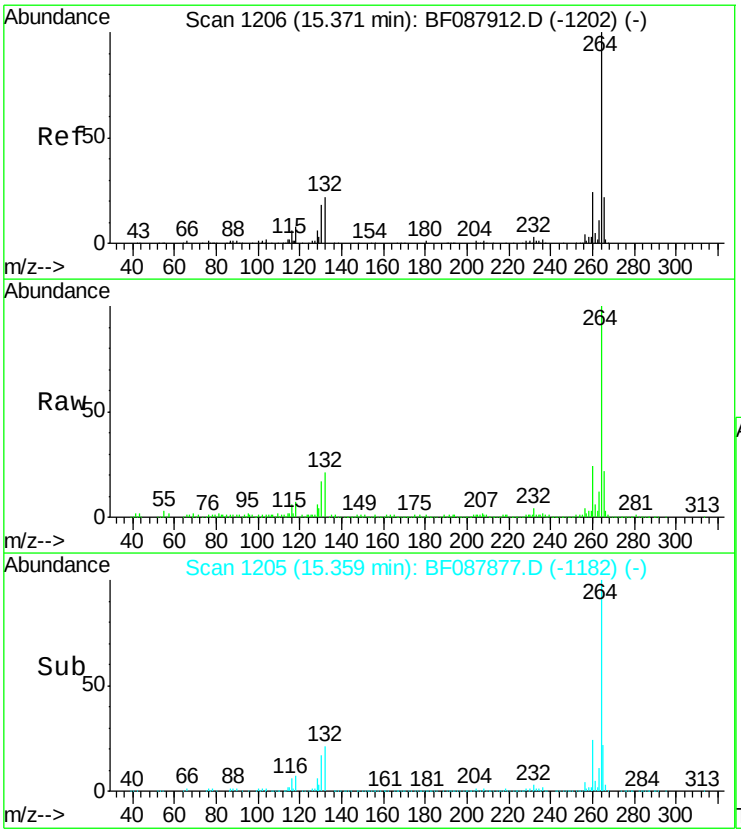
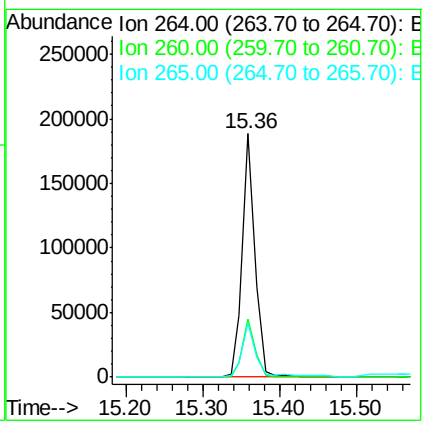


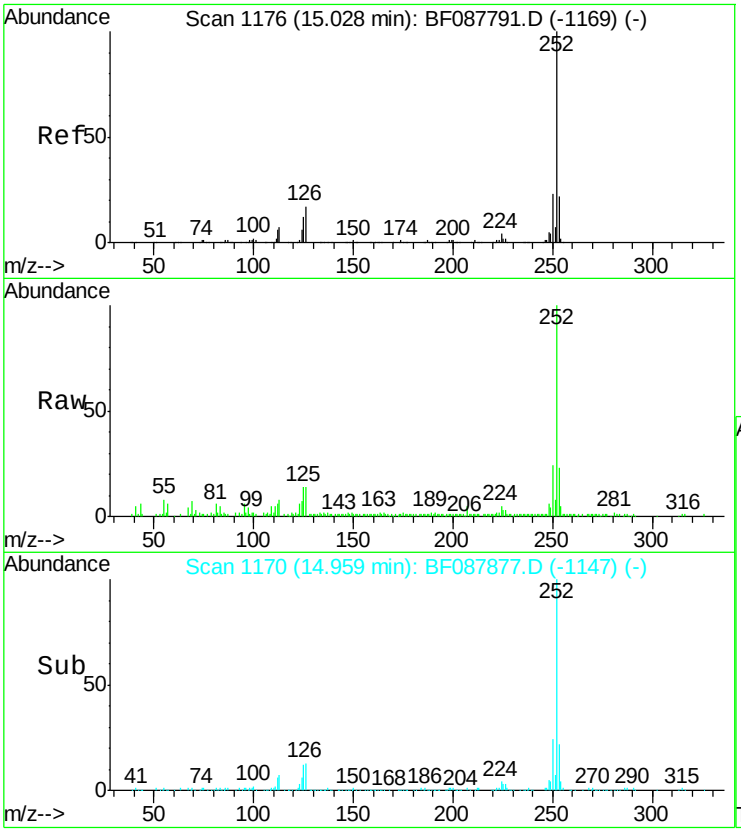


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.36 min Scan# 1205
Delta R.T. -0.03 min
Lab File: BF087877.D
Acq: 10 Jun 2016 16:27

Tgt Ion:264 Resp: 220128

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.3	16.9	25.3

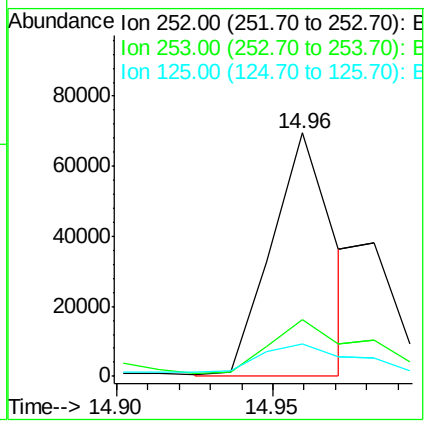




#87
Benzo(b)fluoranthene
Concen: 6.25 ng m
RT: 14.96 min Scan# 1170
Delta R.T. -0.03 min
Lab File: BF087877.D
Acq: 10 Jun 2016 16:27

Tgt Ion:252 Resp: 95968

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.4	26.2
125	13.6	7.1	10.7#



Instrument :
BNA_F
ClientSampleId :
SS-56

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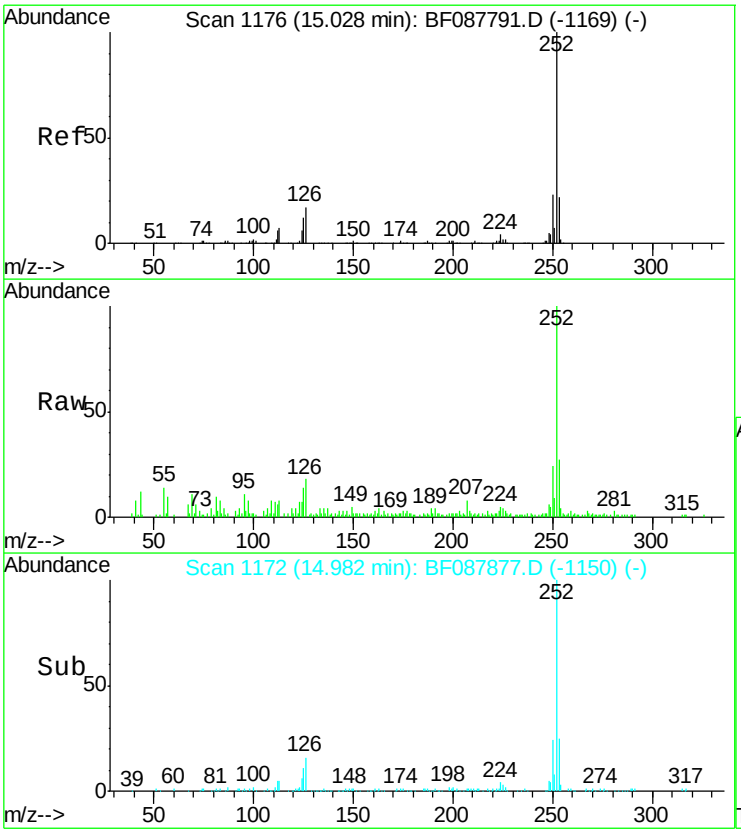
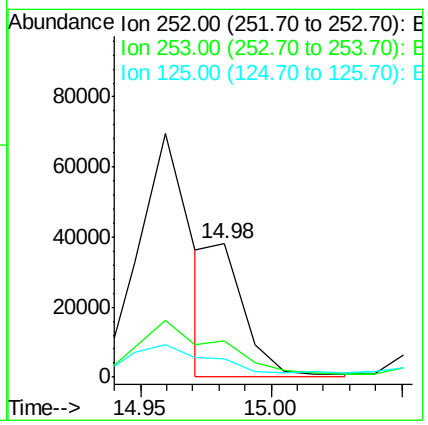
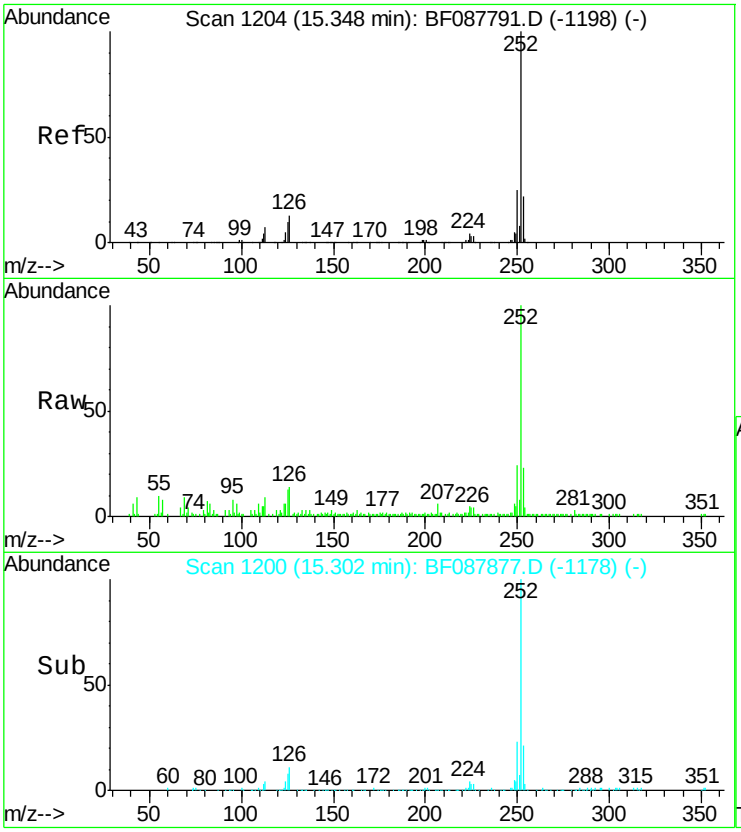


#88
Benzo(k)fluoranthene
Concen: 2.99 ng m
RT: 14.98 min Scan# 1172
Delta R.T. -0.05 min
Lab File: BF087877.D
Acq: 10 Jun 2016 16:27

Tgt Ion:252 Resp: 34647

Ion	Ratio	Lower	Upper
252	100		
253	27.0	18.0	27.0#
125	14.0	11.2	16.8

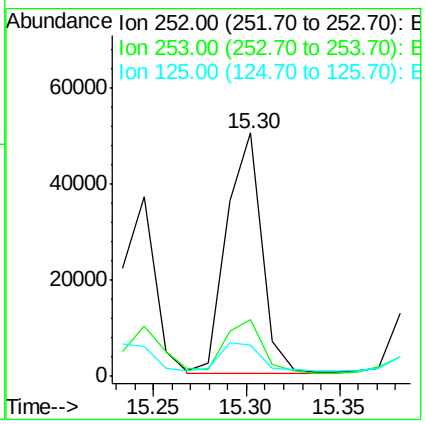




#89
Benzo(a)pyrene
Concen: 5.33 ng
RT: 15.30 min Scan# 1200
Delta R.T. -0.05 min
Lab File: BF087877.D
Acq: 10 Jun 2016 16:27

Tgt Ion:252 Resp: 66136

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.9	26.9
125	12.6	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
SS-56

Manual Integrations APPROVED
SOHIL
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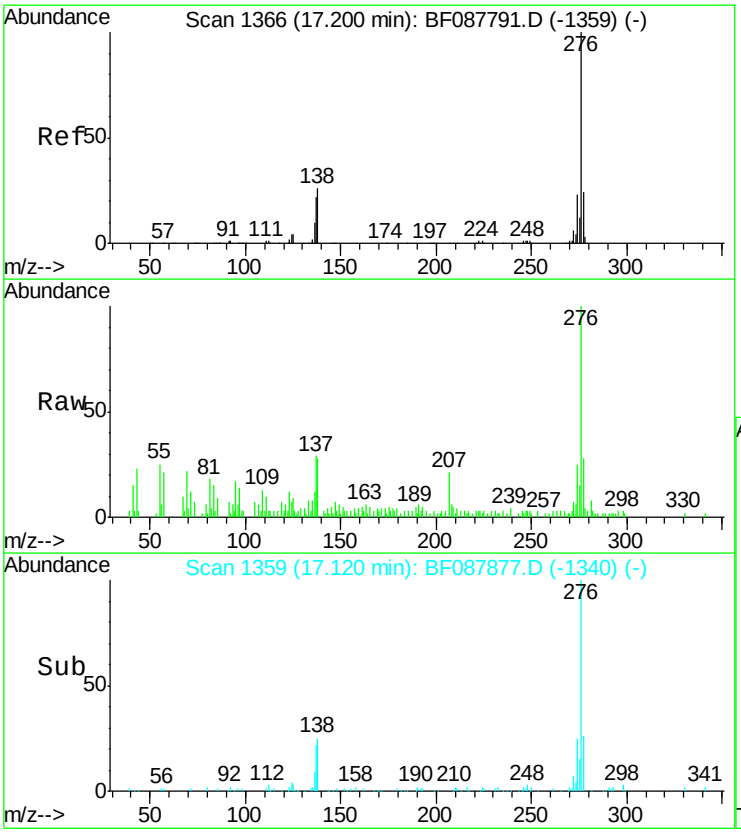

#91
Benzo(g,h,i)perylene
Concen: 2.78 ng
RT: 17.12 min Scan# 1359
Delta R.T. -0.08 min
Lab File: BF087877.D
Acq: 10 Jun 2016 16:27

Tgt Ion:276 Resp: 32983

Ion	Ratio	Lower	Upper
276	100		
277	28.1	18.9	28.3
138	27.5	21.4	32.2