Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110116\
Data File : BF090970.D
Acq On : 2 Nov 2016 00:05
Operator : UM/SJ
Sample : H5489-12 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-73-0.5-1.0

Manual Integrations APPROVED
Umangi
11/2/2016 5:42:50 PM

Quant Time: Nov 02 02:18:04 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 01 11:53:50 2016
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	152792	20.00	ng		-0.01
21) Naphthalene-d8	8.02	136	601358	20.00	ng		-0.02
38) Acenaphthene-d10	9.78	164	294205	20.00	ng		-0.01
63) Phenanthrene-d10	11.25	188	368785	20.00	ng		-0.01
75) Chrysene-d12	13.89	240	307615	20.00	ng		-0.01
86) Perylene-d12	15.29	264	235104	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.32	112	261888	29.97	ng		-0.01
7) Phenol-d6	6.37	99	359811	30.52	ng		-0.02
23) Nitrobenzene-d5	7.30	82	207481	22.59	ng		-0.02
41) 2,4,6-Tribromophenol	10.57	330	38162	12.62	ng		-0.01
44) 2-Fluorobiphenyl	9.10	172	311496	18.59	ng		-0.01
78) Terphenyl-d14	12.84	244	193305	15.83	ng		-0.01
Target Compounds							Qvalue
49) Dimethylphthalate	9.49	163	89879	4.57	ng	#	96
70) Phenanthrene	11.28	178	145670	7.76	ng		96
74) Fluoranthene	12.46	202	180467	8.77	ng		95
77) Pyrene	12.69	202	146225	7.51	ng		97
80) Benzo(a)anthracene	13.88	228	79597m	4.88	ng		
82) Chrysene	13.92	228	72507m	4.39	ng		
87) Benzo(b)fluoranthene	14.90	252	80711m	5.11	ng		
88) Benzo(k)fluoranthene	14.92	252	28402m	2.27	ng		
89) Benzo(a)pyrene	15.23	252	49982	3.68	ng		94
91) Benzo(g,h,i)perylene	17.01	276	24918	2.30	ng	#	87

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF110116\
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Acq On : 2 Nov 2016 00:05
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Sample : H5489-12 5X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 02 02:18:04 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102616.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 01 11:53:50 2016
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SB-73-0.5-1.0

Manual Integrations APPROVED
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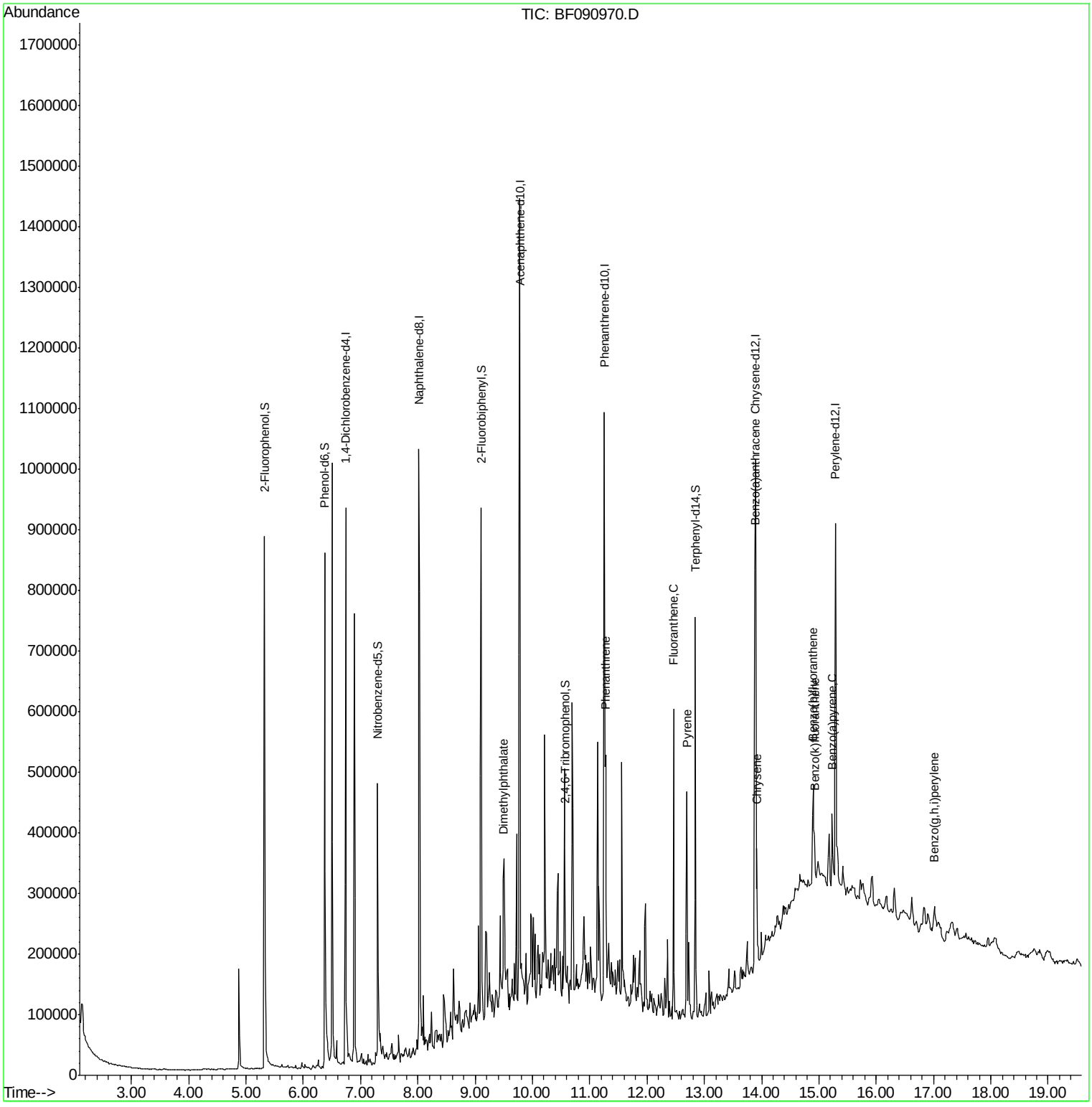
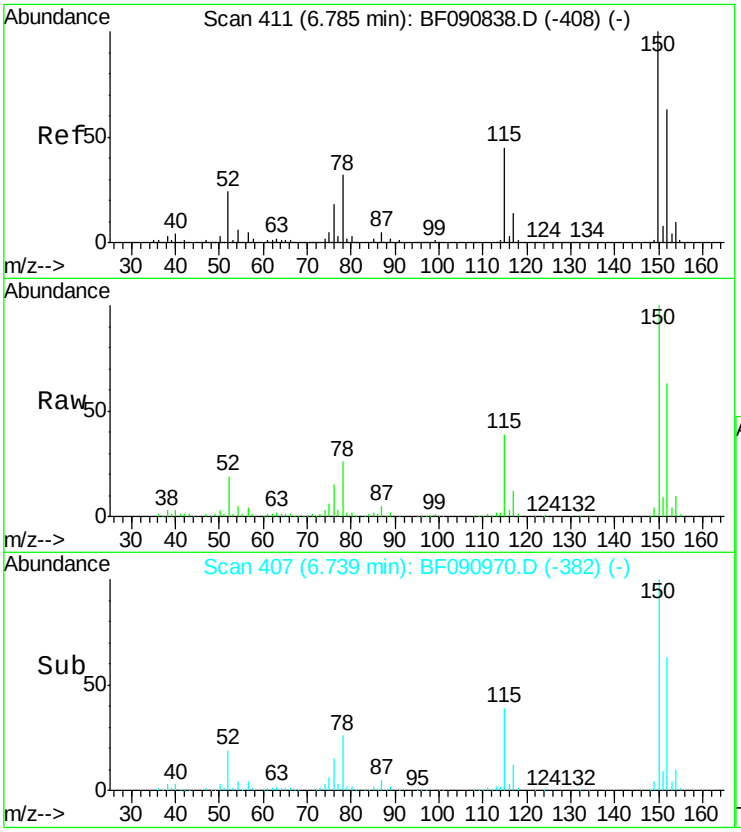
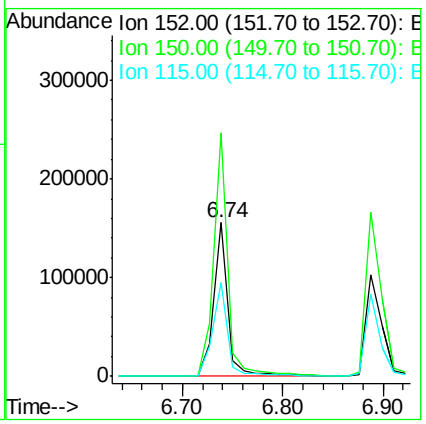




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.74 min Scan# 407
Delta R.T. -0.01 min
Lab File: BF090970.D
Acq: 2 Nov 2016 00:05

Tgt Ion:152 Resp: 152792

Ion	Ratio	Lower	Upper
152	100		
150	158.6	124.7	187.1
115	61.3	39.0	58.4#



Instrument :
BNA_F
ClientSampleId :
SB-73-0.5-1.0

Manual Integrations APPROVED
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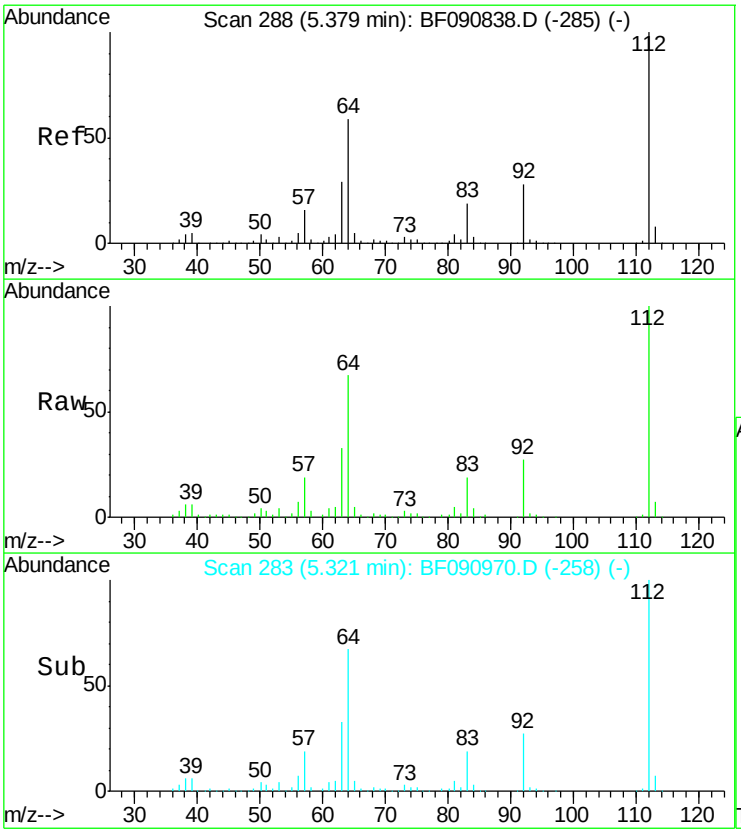
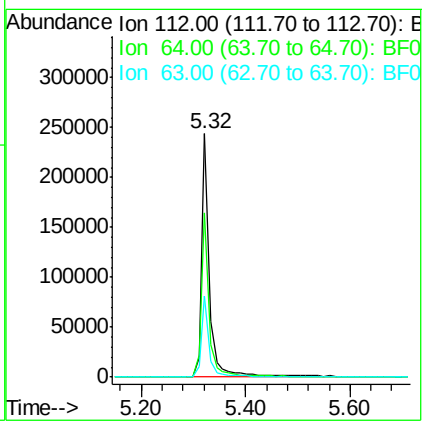
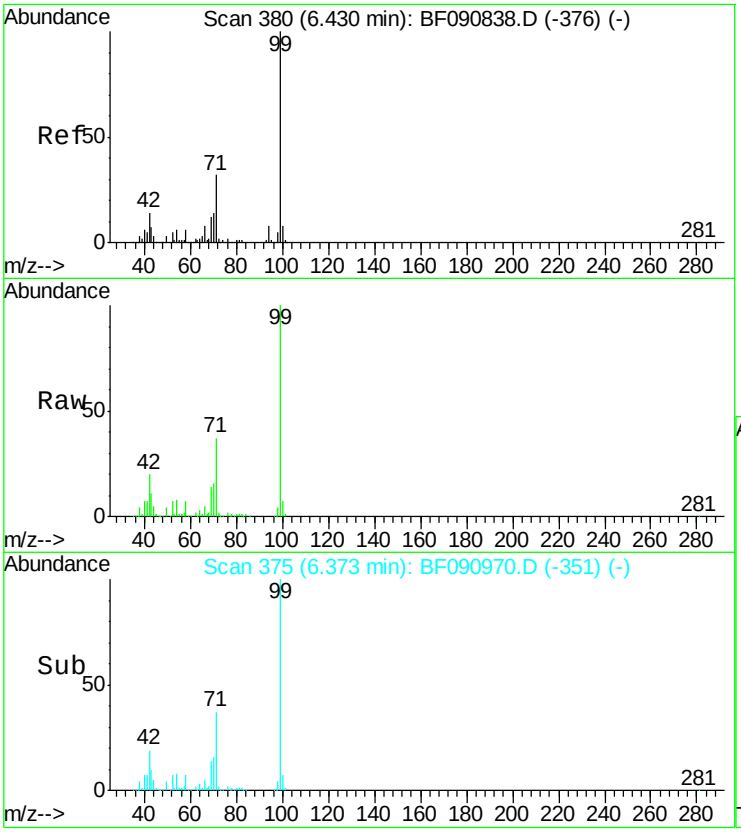


#5
2-Fluorophenol
Concen: 29.97 ng
RT: 5.32 min Scan# 283
Delta R.T. -0.01 min
Lab File: BF090970.D
Acq: 2 Nov 2016 00:05

Tgt Ion:112 Resp: 261888

Ion	Ratio	Lower	Upper
112	100		
64	67.4	39.7	59.5#
63	33.3	17.4	26.0#

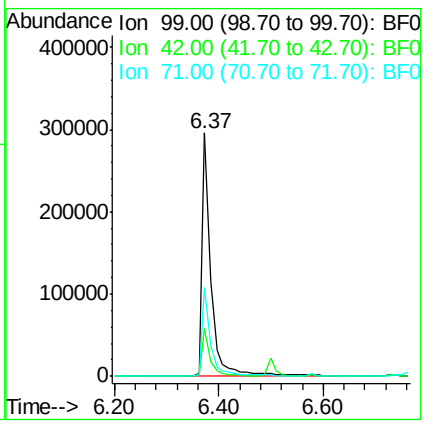




#7
Phenol-d6
Concen: 30.52 ng
RT: 6.37 min Scan# 375
Delta R.T. -0.02 min
Lab File: BF090970.D
Acq: 2 Nov 2016 00:05

Tgt Ion: 99 Resp: 359811

Ion	Ratio	Lower	Upper
99	100		
42	19.6	13.7	20.5
71	36.6	14.2	21.2#



Instrument :
BNA_F
ClientSampleId :
SB-73-0.5-1.0

Manual Integrations APPROVED
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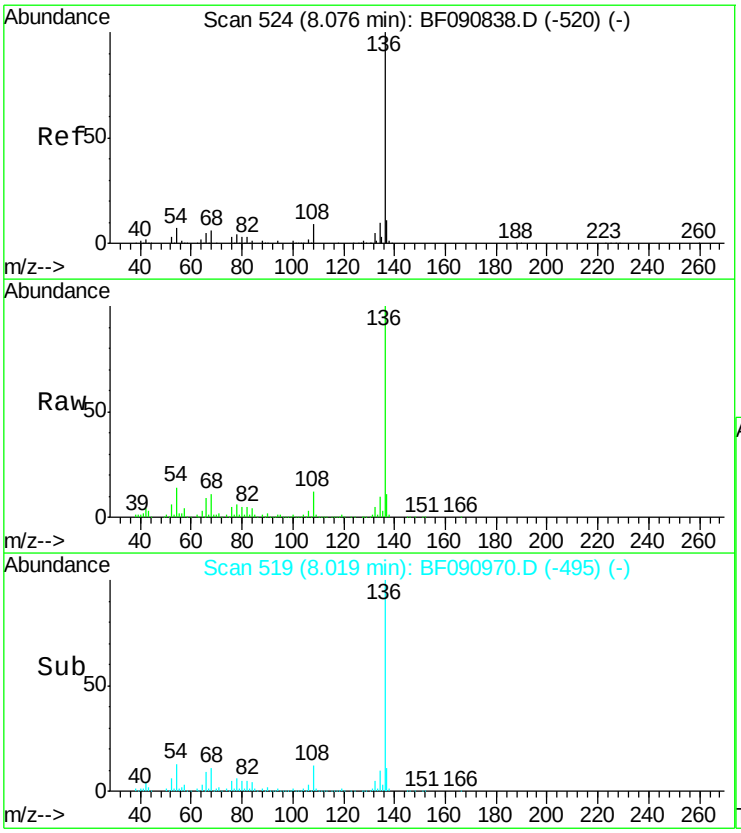
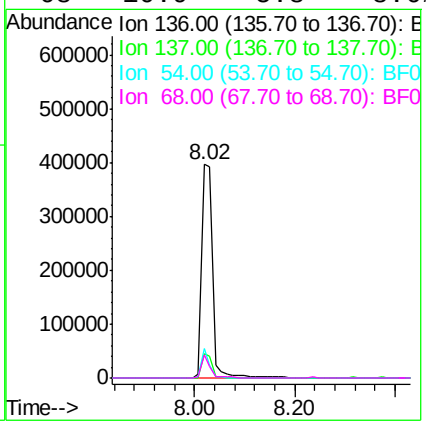
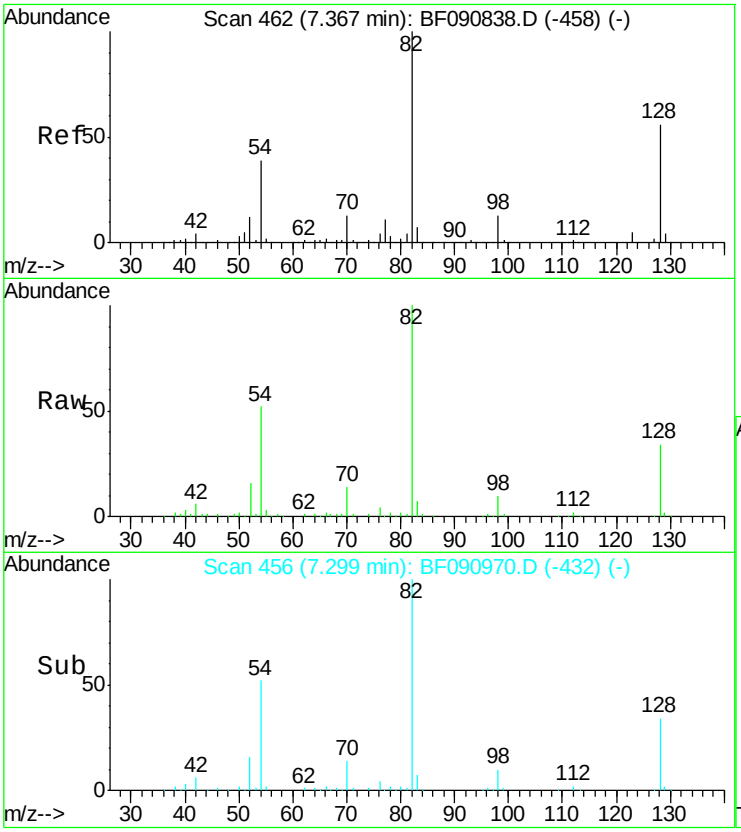


#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 519
Delta R.T. -0.02 min
Lab File: BF090970.D
Acq: 2 Nov 2016 00:05

Tgt Ion:136 Resp: 601358

Ion	Ratio	Lower	Upper
136	100		
137	11.5	9.0	13.6
54	13.6	8.2	12.2#
68	10.9	5.8	8.6#

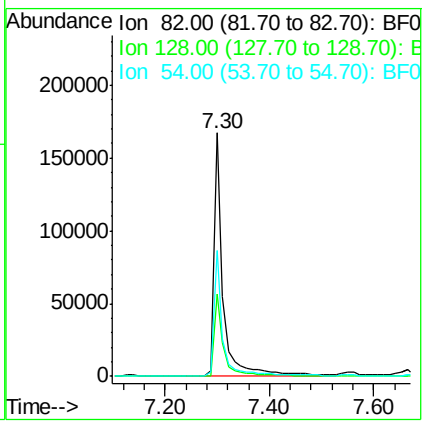




#23
Nitrobenzene-d5
Concen: 22.59 ng
RT: 7.30 min Scan# 456
Delta R.T. -0.02 min
Lab File: BF090970.D
Acq: 2 Nov 2016 00:05

Tgt Ion: 82 Resp: 207481

Ion	Ratio	Lower	Upper
82	100		
128	33.9	51.0	76.6#
54	51.7	47.5	71.3



Instrument :
BNA_F
ClientSampleId :
SB-73-0.5-1.0

Manual Integrations APPROVED
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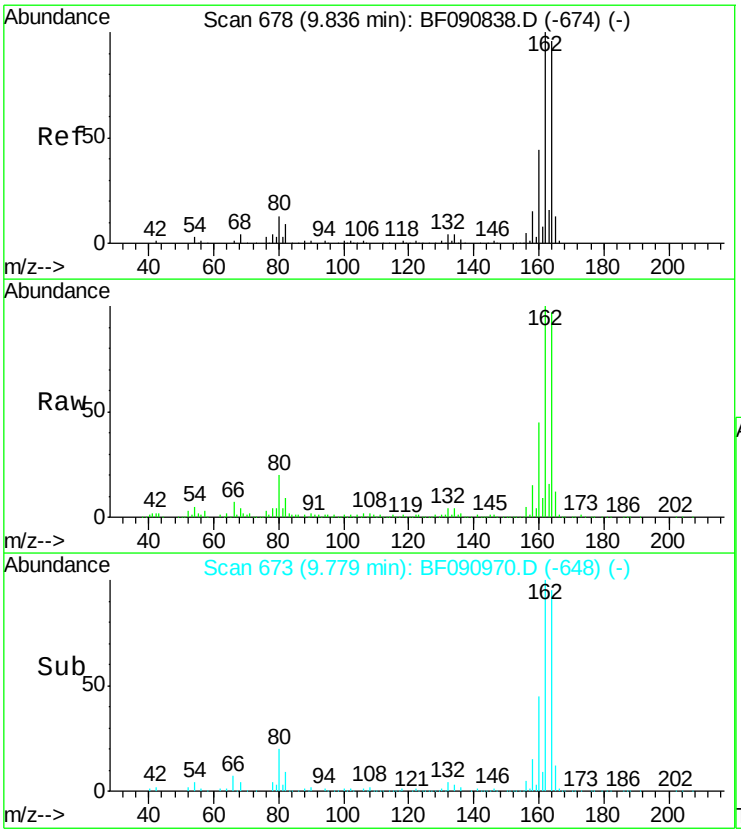
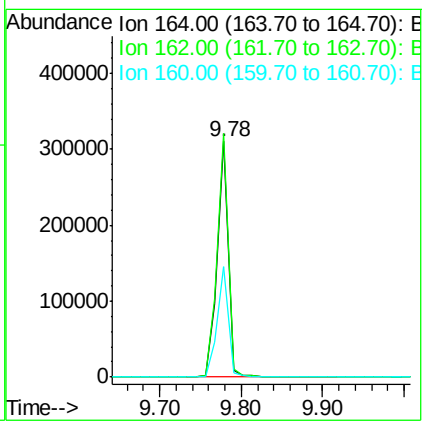
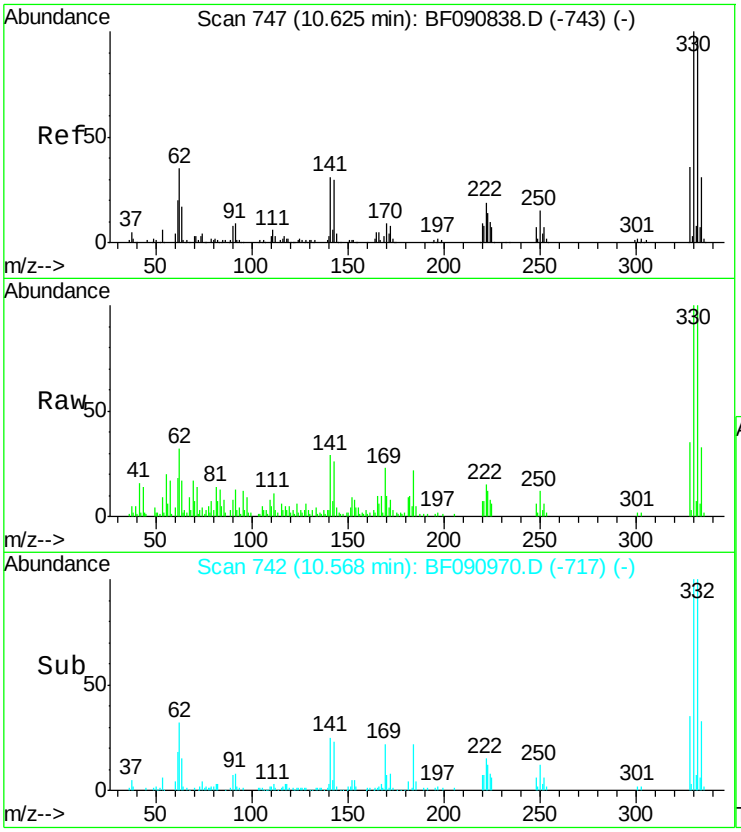


#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.78 min Scan# 673
Delta R.T. -0.01 min
Lab File: BF090970.D
Acq: 2 Nov 2016 00:05

Tgt Ion:164 Resp: 294205

Ion	Ratio	Lower	Upper
164	100		
162	103.3	75.2	112.8
160	46.6	31.5	47.3

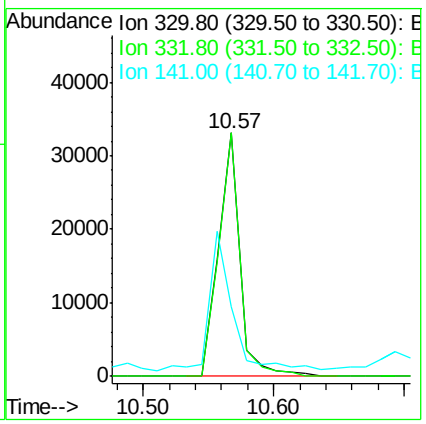




#41
2,4,6-Tribromophenol
Concen: 12.62 ng
RT: 10.57 min Scan# 742
Delta R.T. -0.01 min
Lab File: BF090970.D
Acq: 2 Nov 2016 00:05

Tgt Ion:330 Resp: 38162

Ion	Ratio	Lower	Upper
330	100		
332	98.6	76.6	114.8
141	61.3	29.7	44.5#



Instrument :
BNA_F
ClientSampleId :
SB-73-0.5-1.0

Manual Integrations APPROVED
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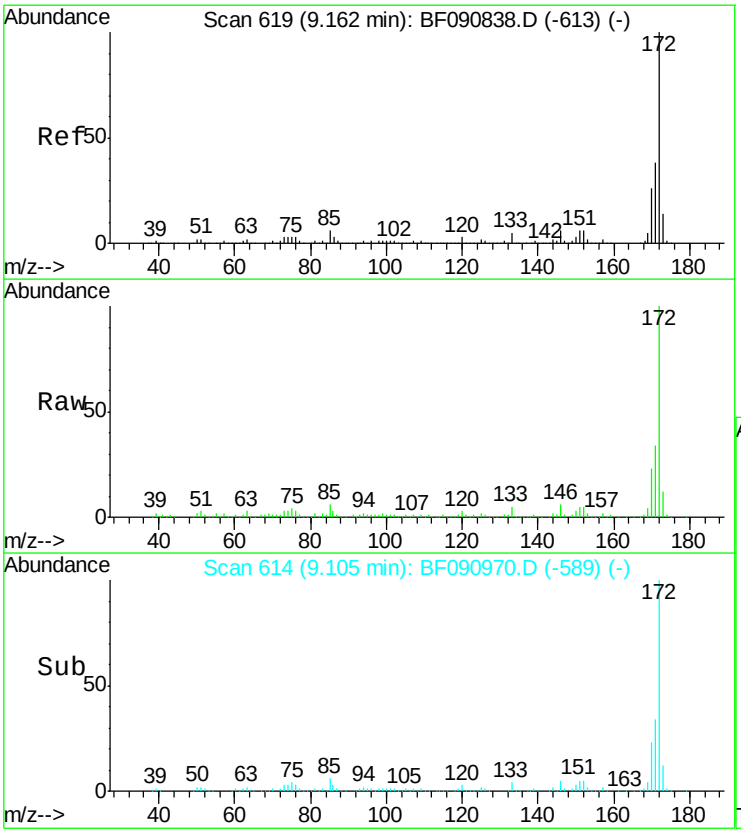
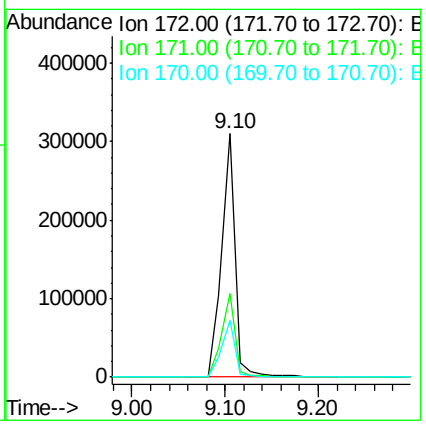
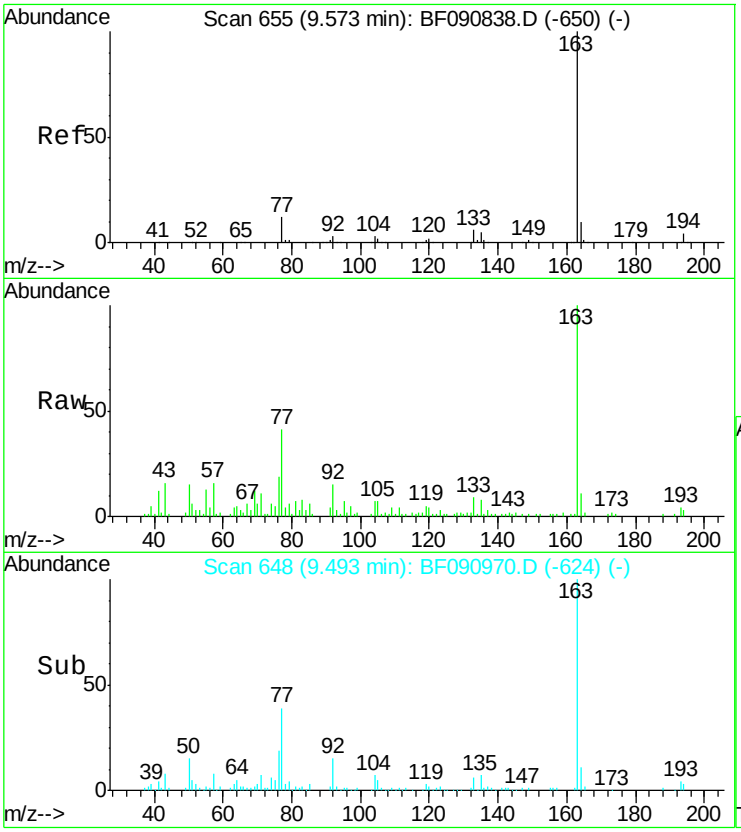


#44
2-Fluorobiphenyl
Concen: 18.59 ng
RT: 9.10 min Scan# 614
Delta R.T. -0.01 min
Lab File: BF090970.D
Acq: 2 Nov 2016 00:05

Tgt Ion:172 Resp: 311496

Ion	Ratio	Lower	Upper
172	100		
171	34.3	26.1	39.1
170	23.3	17.4	26.2

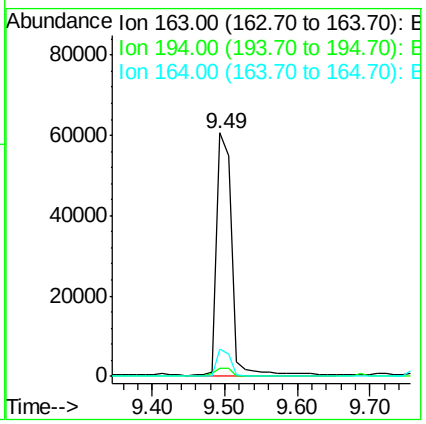




#49
Dimethylphthalate
Concen: 4.57 ng
RT: 9.49 min Scan# 648
Delta R.T. -0.02 min
Lab File: BF090970.D
Acq: 2 Nov 2016 00:05

Tgt Ion:163 Resp: 89879

Ion	Ratio	Lower	Upper
163	100		
194	3.1	4.4	6.6#
164	11.0	8.3	12.5



Instrument :
BNA_F
ClientSampleId :
SB-73-0.5-1.0

Manual Integrations APPROVED
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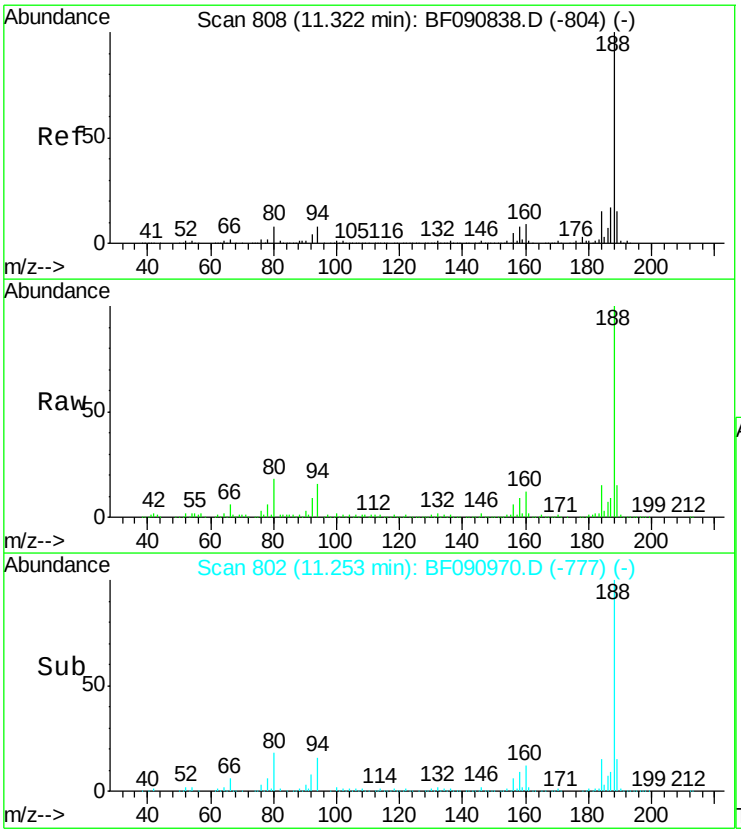
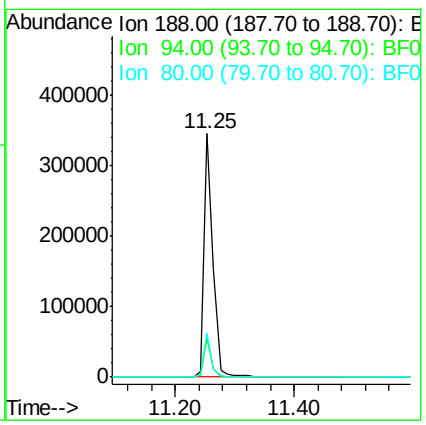
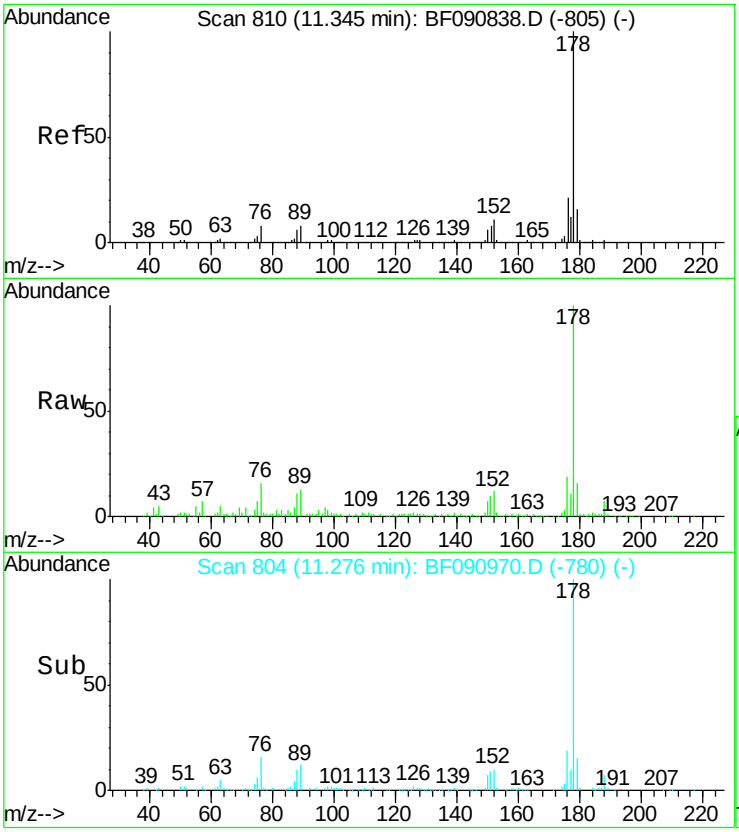


#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.25 min Scan# 802
Delta R.T. -0.01 min
Lab File: BF090970.D
Acq: 2 Nov 2016 00:05

Tgt Ion:188 Resp: 368785

Ion	Ratio	Lower	Upper
188	100		
94	15.8	11.1	16.7
80	18.3	11.0	16.4#

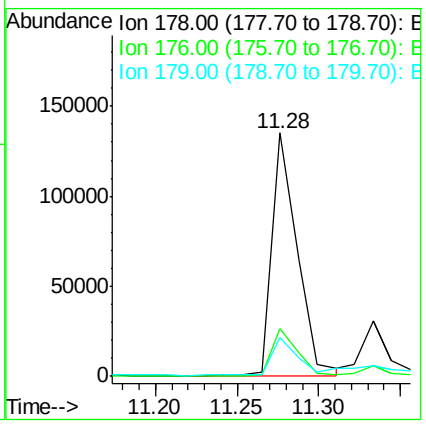




#70
Phenanthrene
Concen: 7.76 ng
RT: 11.28 min Scan# 804
Delta R.T. -0.02 min
Lab File: BF090970.D
Acq: 2 Nov 2016 00:05

Tgt Ion:178 Resp: 145670

Ion	Ratio	Lower	Upper
178	100		
176	19.4	13.8	20.8
179	16.1	12.2	18.2



Instrument :
BNA_F
ClientSampleId :
SB-73-0.5-1.0

Manual Integrations APPROVED
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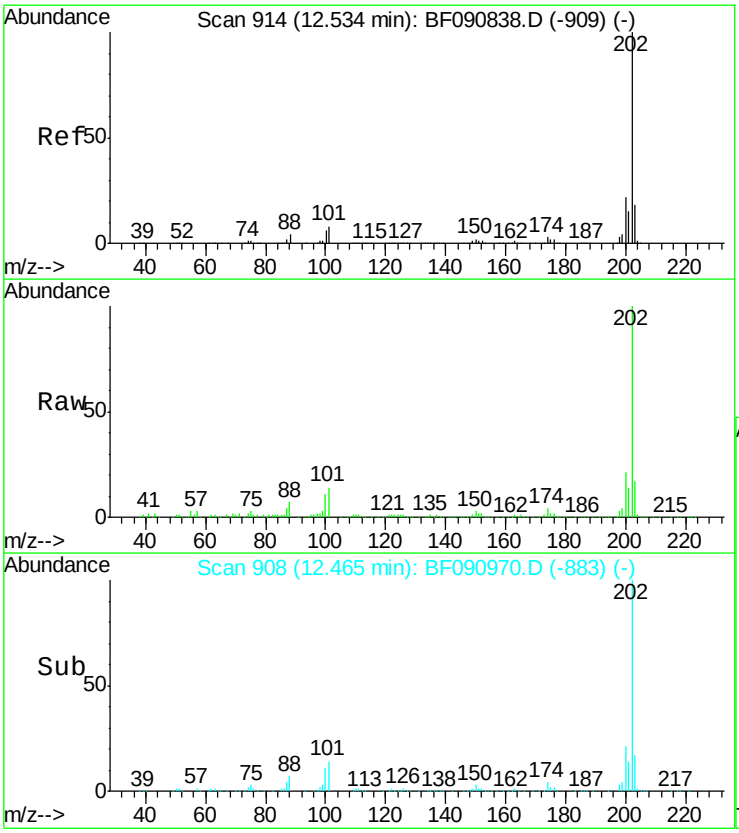
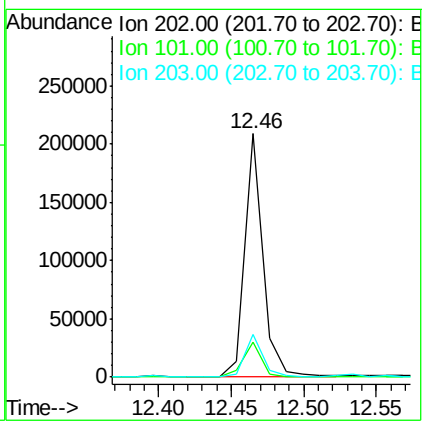
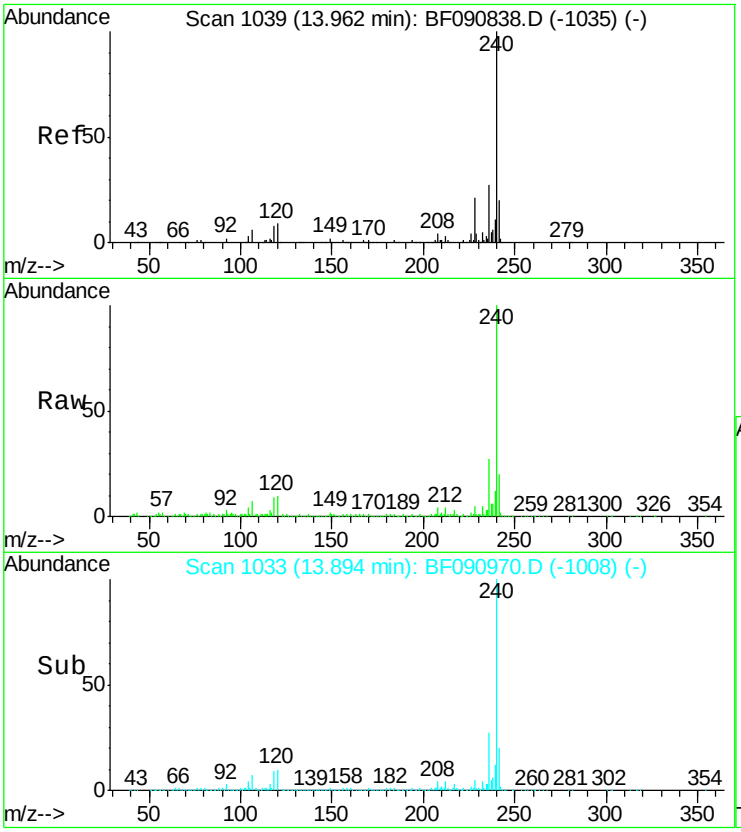


#74
Fluoranthene
Concen: 8.77 ng
RT: 12.46 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF090970.D
Acq: 2 Nov 2016 00:05

Tgt Ion:202 Resp: 180467

Ion	Ratio	Lower	Upper
202	100		
101	14.5	0.0	38.3
203	17.4	0.0	37.3

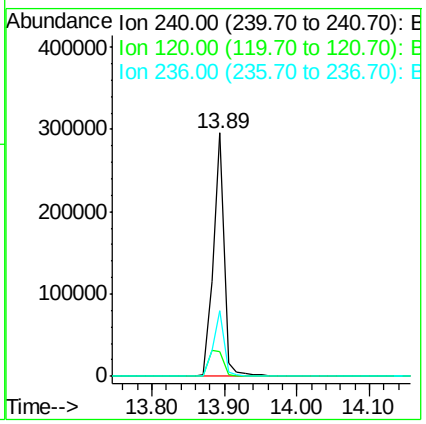




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.89 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF090970.D
Acq: 2 Nov 2016 00:05

Tgt Ion:240 Resp: 307615

Ion	Ratio	Lower	Upper
240	100		
120	10.0	16.2	24.2#
236	27.0	18.4	27.6



Instrument :
BNA_F
ClientSampleId :
SB-73-0.5-1.0

Manual Integrations APPROVED
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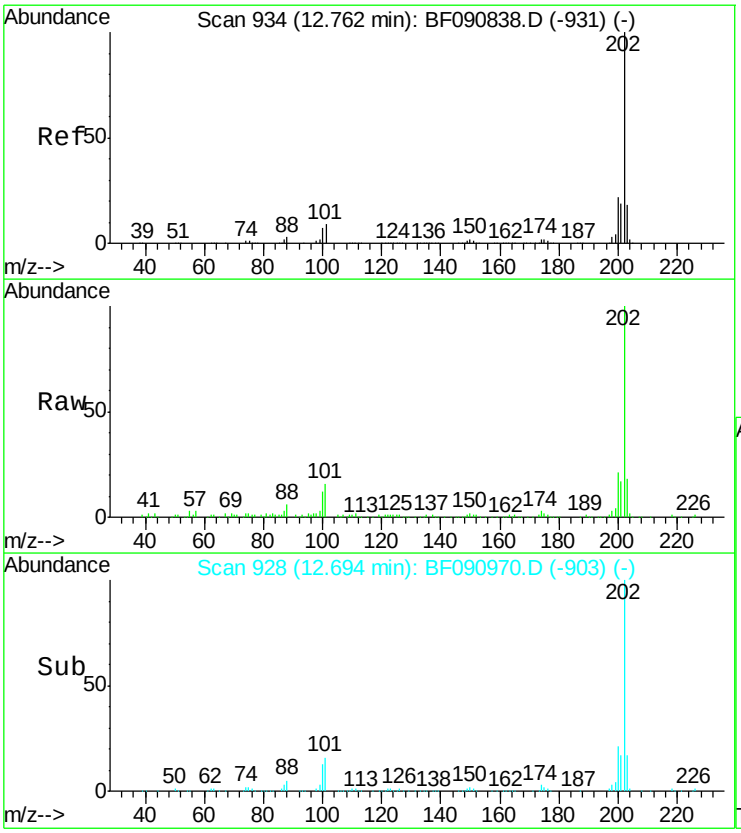
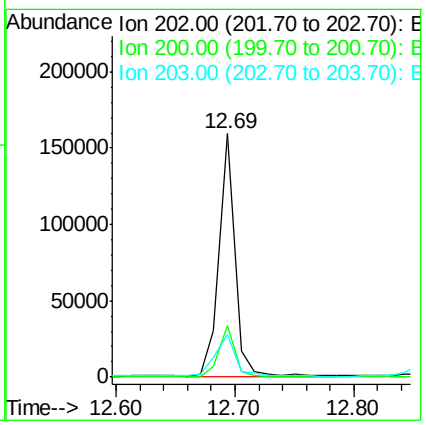
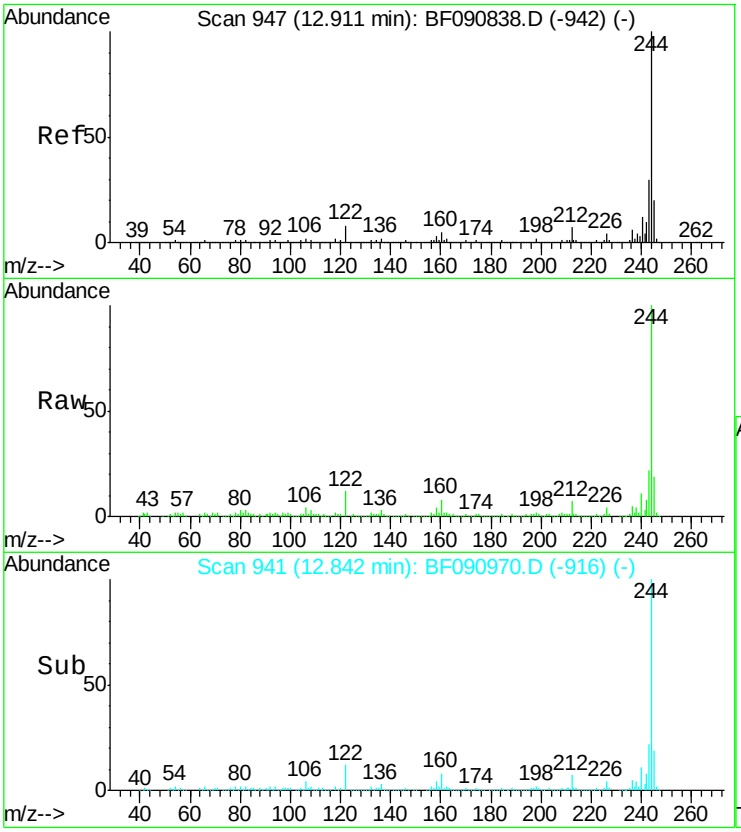


#77
Pyrene
Concen: 7.51 ng
RT: 12.69 min Scan# 928
Delta R.T. -0.01 min
Lab File: BF090970.D
Acq: 2 Nov 2016 00:05

Tgt Ion:202 Resp: 146225

Ion	Ratio	Lower	Upper
202	100		
200	21.1	15.0	22.4
203	17.7	14.1	21.1

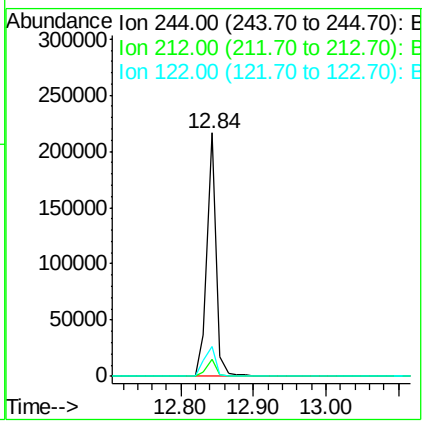




#78
Terphenyl-d14
Concen: 15.83 ng
RT: 12.84 min Scan# 941
Delta R.T. -0.01 min
Lab File: BF090970.D
Acq: 2 Nov 2016 00:05

Tgt Ion:244 Resp: 193305

Ion	Ratio	Lower	Upper
244	100		
212	6.9	4.3	6.5#
122	12.2	17.4	26.2#



Instrument :
BNA_F
ClientSampleId :
SB-73-0.5-1.0

Manual Integrations APPROVED
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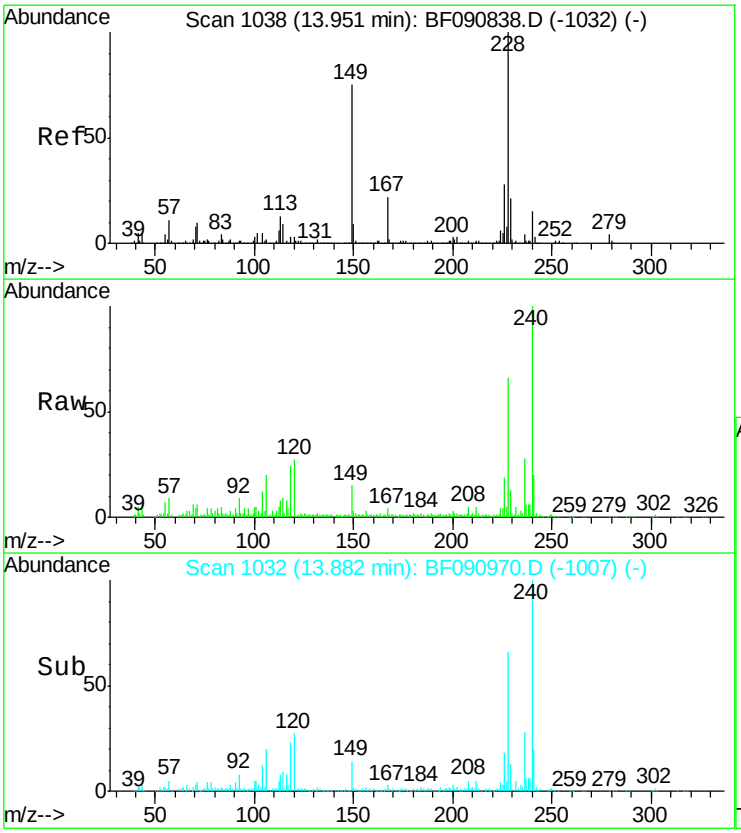
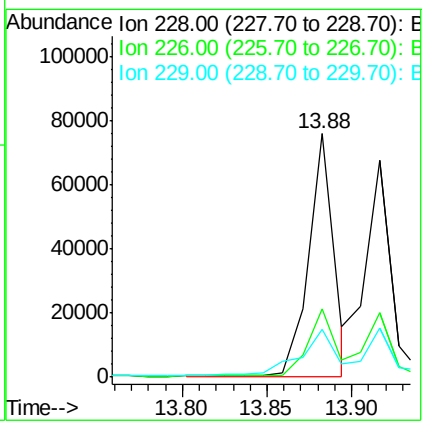
11/2/2016 5:42:50 PM

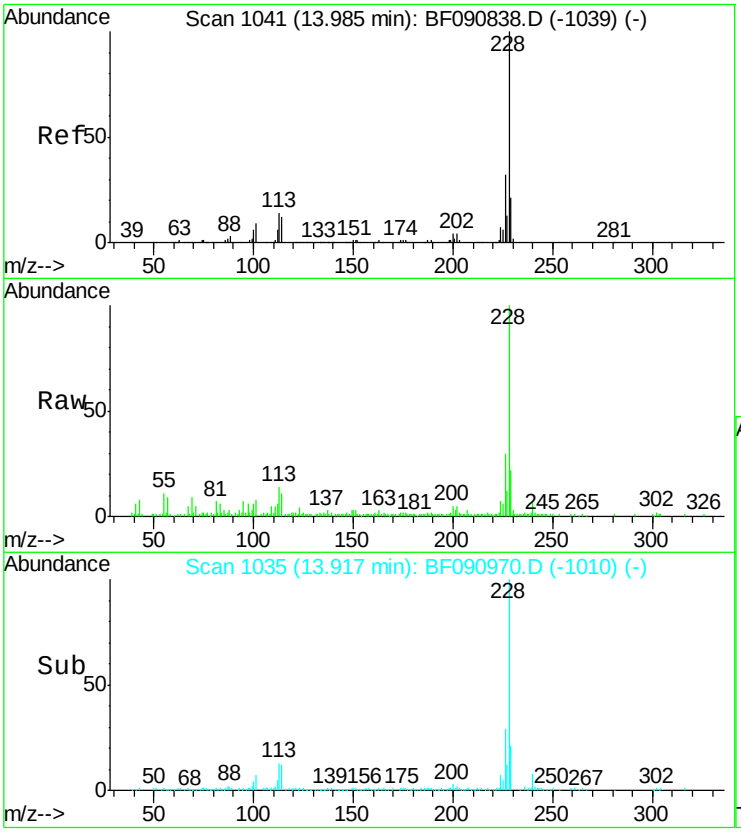


#80
Benzo(a)anthracene
Concen: 4.88 ng m
RT: 13.88 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF090970.D
Acq: 2 Nov 2016 00:05

Tgt Ion:228 Resp: 79597

Ion	Ratio	Lower	Upper
228	100		
226	28.2	20.0	30.0
229	19.9	15.4	23.2

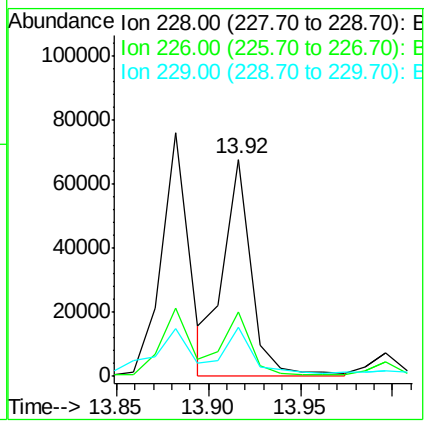




#82
Chrysene
Concen: 4.39 ng m
RT: 13.92 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF090970.D
Acq: 2 Nov 2016 00:05

Tgt Ion:228 Resp: 72507

Ion	Ratio	Lower	Upper
228	100		
226	29.6	21.0	31.4
229	22.4	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
SB-73-0.5-1.0

Manual Integrations APPROVED
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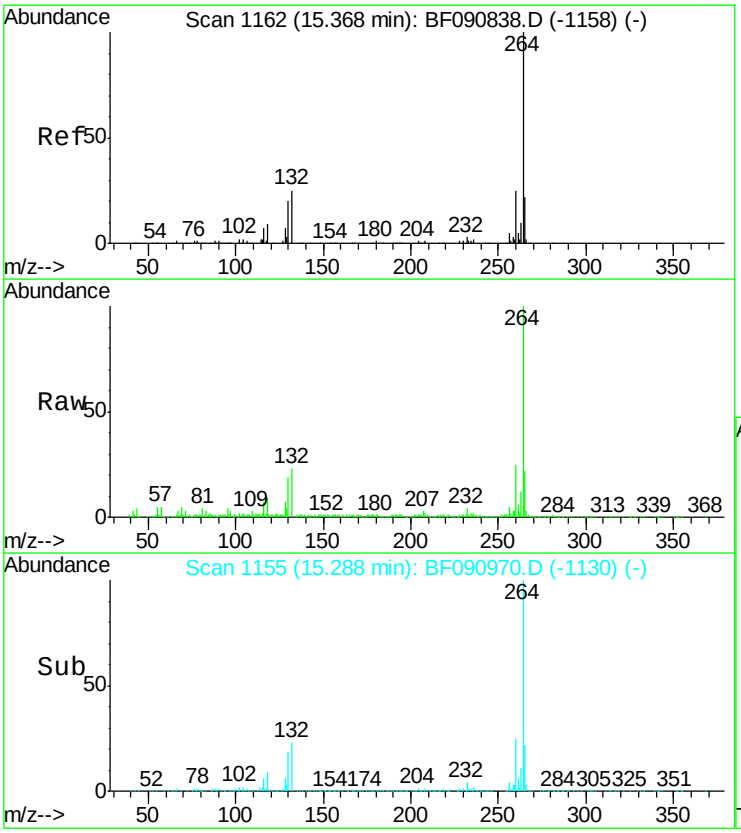
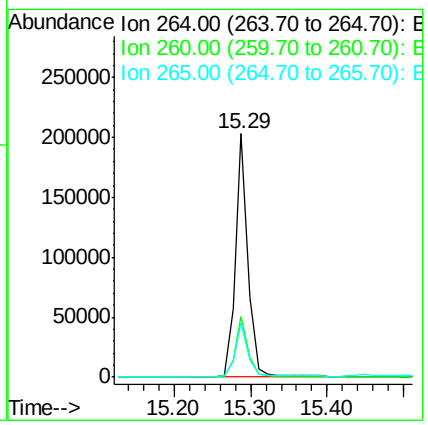
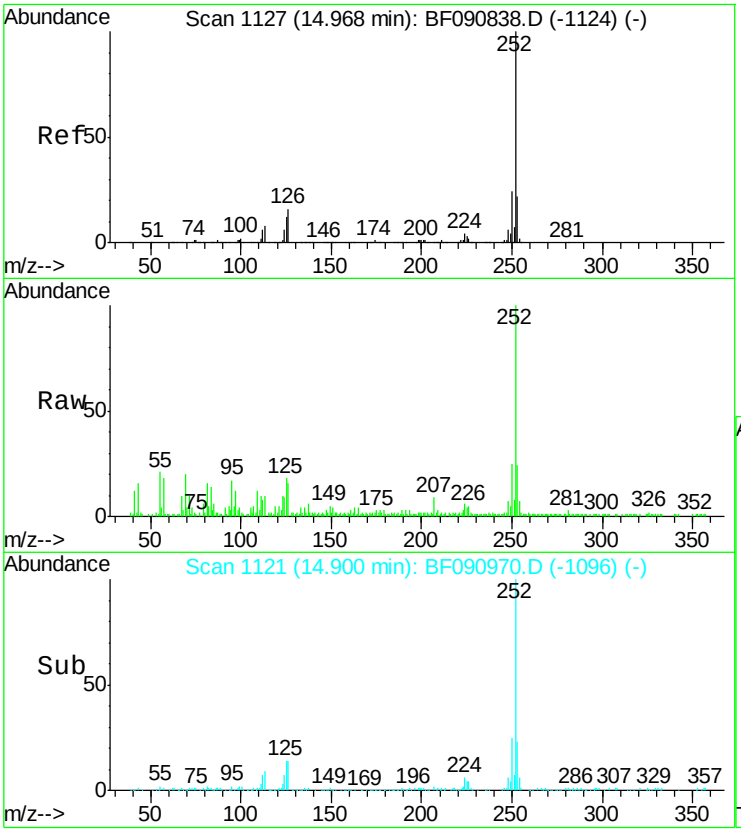


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.29 min Scan# 1155
Delta R.T. -0.01 min
Lab File: BF090970.D
Acq: 2 Nov 2016 00:05

Tgt Ion:264 Resp: 235104

Ion	Ratio	Lower	Upper
264	100		
260	25.1	16.7	25.1#
265	22.2	17.2	25.8

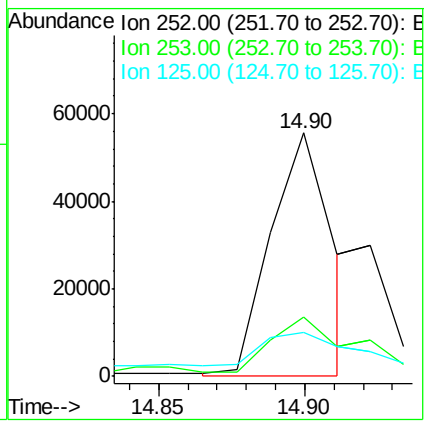




#87
Benzo(b)fluoranthene
Concen: 5.11 ng m
RT: 14.90 min Scan# 1121
Delta R.T. -0.01 min
Lab File: BF090970.D
Acq: 2 Nov 2016 00:05

Tgt Ion:252 Resp: 80711

Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.5	26.3
125	17.9	17.1	25.7



Instrument :
BNA_F
ClientSampleId :
SB-73-0.5-1.0

Manual Integrations APPROVED
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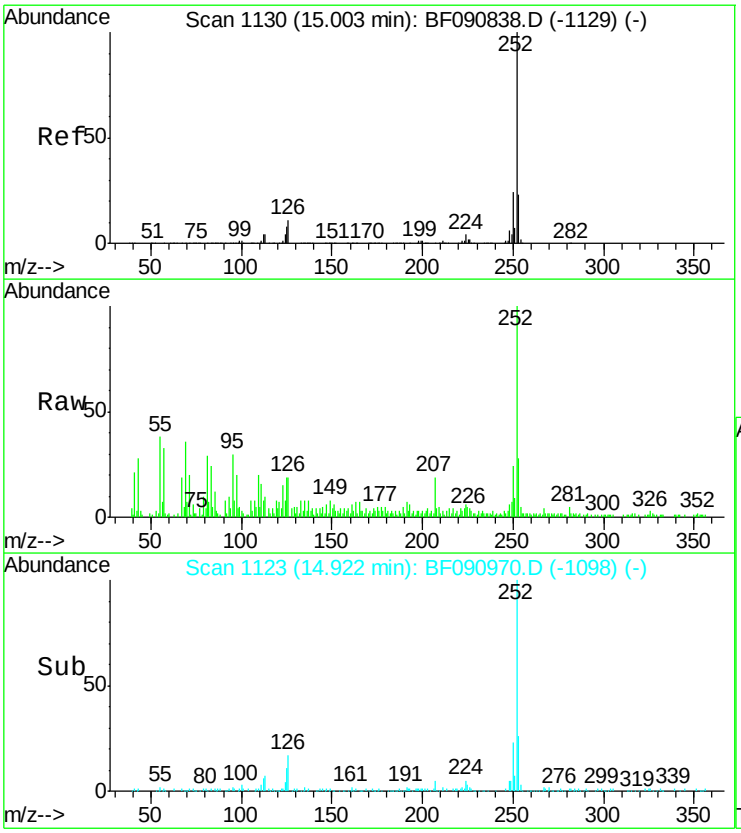
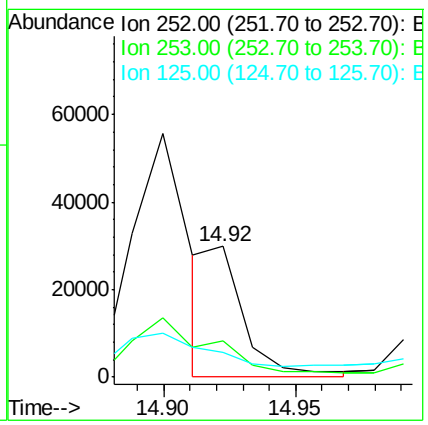
11/2/2016 5:42:50 PM

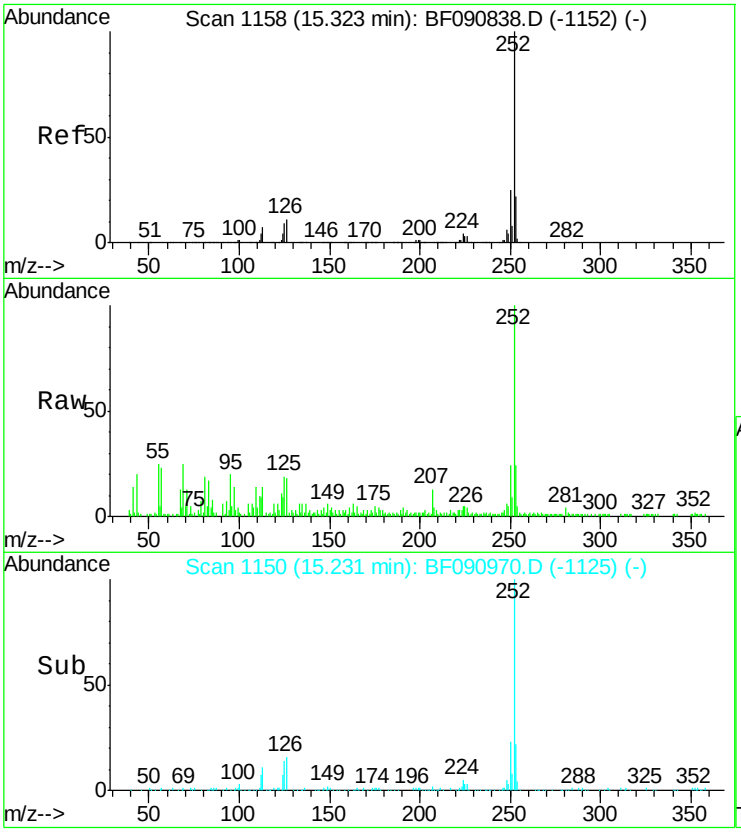


#88
Benzo(k)fluoranthene
Concen: 2.27 ng m
RT: 14.92 min Scan# 1123
Delta R.T. -0.01 min
Lab File: BF090970.D
Acq: 2 Nov 2016 00:05

Tgt Ion:252 Resp: 28402

Ion	Ratio	Lower	Upper
252	100		
253	27.8	17.0	25.4#
125	19.4	16.0	24.0

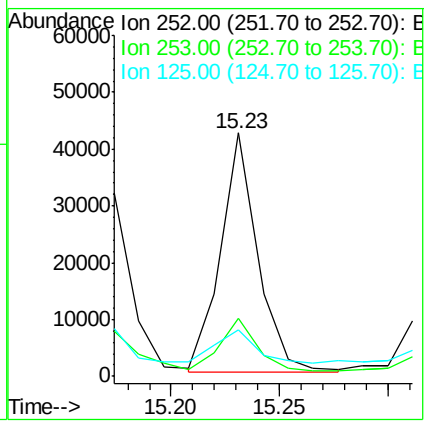




#89
Benzo(a)pyrene
Concen: 3.68 ng
RT: 15.23 min Scan# 1150
Delta R.T. -0.01 min
Lab File: BF090970.D
Acq: 2 Nov 2016 00:05

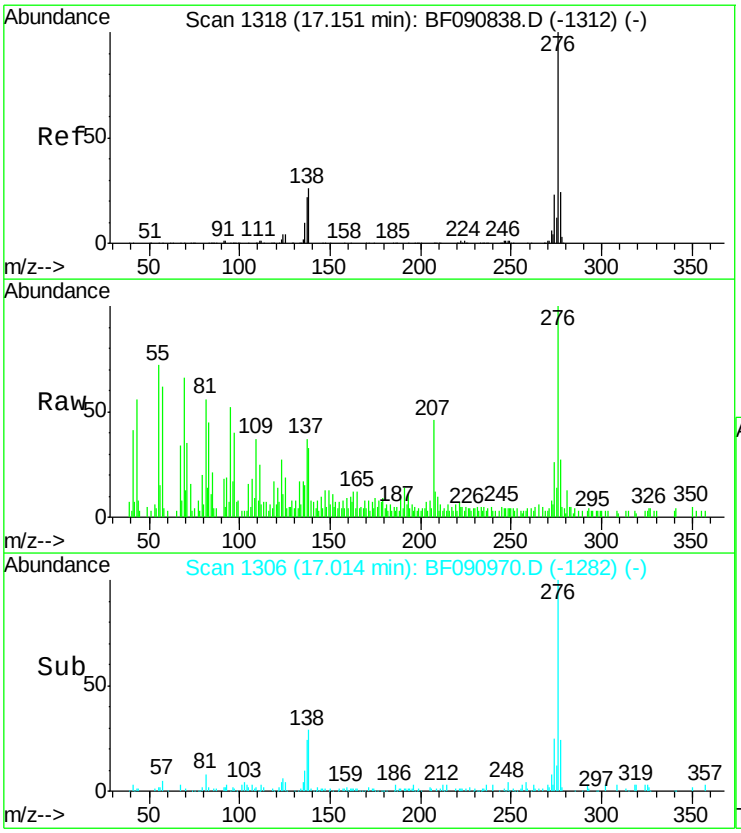
Tgt Ion:252 Resp: 49982

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.2	25.8
125	19.3	18.0	27.0



Instrument :
BNA_F
ClientSampleId :
SB-73-0.5-1.0

Manual Integrations APPROVED
Umangi
11/2/2016 5:42:50 PM



#91
Benzo(g,h,i)perylene
Concen: 2.30 ng
RT: 17.01 min Scan# 1306
Delta R.T. -0.02 min
Lab File: BF090970.D
Acq: 2 Nov 2016 00:05

Tgt Ion:276 Resp: 24918

Ion	Ratio	Lower	Upper
276	100		
277	27.0	17.8	26.6#
138	33.4	34.6	51.8#