Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
Data File : BF098961.D
Acq On : 30 Sep 2017 14:31
Operator : SJ/JU
Sample : I5530-01 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LB-31(0-0.5)

Manual Integrations APPROVED
Sohil
10/2/2017 5:45:13 PM

Quant Time: Oct 01 00:22:30 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 23 13:50:58 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	144283	20.00	ng		0.00
21) Naphthalene-d8	8.20	136	597982	20.00	ng		0.00
38) Acenaphthene-d10	9.95	164	269269	20.00	ng		-0.01
63) Phenanthrene-d10	11.44	188	440381	20.00	ng		0.00
75) Chrysene-d12	14.07	240	249855	20.00	ng		-0.01
86) Perylene-d12	15.57	264	247678	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.52	112	158165	17.45	ng		-0.02
7) Phenol-d6	6.53	99	194232	17.37	ng		-0.02
23) Nitrobenzene-d5	7.47	82	115154	12.35	ng		-0.02
41) 2,4,6-Tribromophenol	10.74	330	33209	15.07	ng		-0.01
44) 2-Fluorobiphenyl	9.27	172	234132	14.52	ng		-0.01
78) Terphenyl-d14	13.02	244	161934	14.74	ng		-0.02
Target Compounds							Qvalue
70) Phenanthrene	11.46	178	87820	3.726	ng		95
74) Fluoranthene	12.65	202	126738	5.310	ng		97
77) Pyrene	12.88	202	114292	5.999	ng		99
80) Benzo(a)anthracene	14.07	228	46902	3.100	ng		92
82) Chrysene	14.10	228	44101	3.062	ng		98
85) Indeno(1,2,3-cd)pyrene	17.07	276	30358	2.635	ng	#	91
87) Benzo(b)fluoranthene	15.13	252	52105m	3.422	ng		
89) Benzo(a)pyrene	15.50	252	39097	2.797	ng	#	90
91) Benzo(g,h,i)perylene	17.53	276	31321	2.832	ng	#	90

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF093017\
Data File : BF098961.D
Acq On : 30 Sep 2017 14:31
Operator : SJ/JU
Sample : I5530-01 5X
Misc :
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 01 00:22:30 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Sep 23 13:50:58 2017
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
LB-31(0-0.5)

Manual Integrations APPROVED
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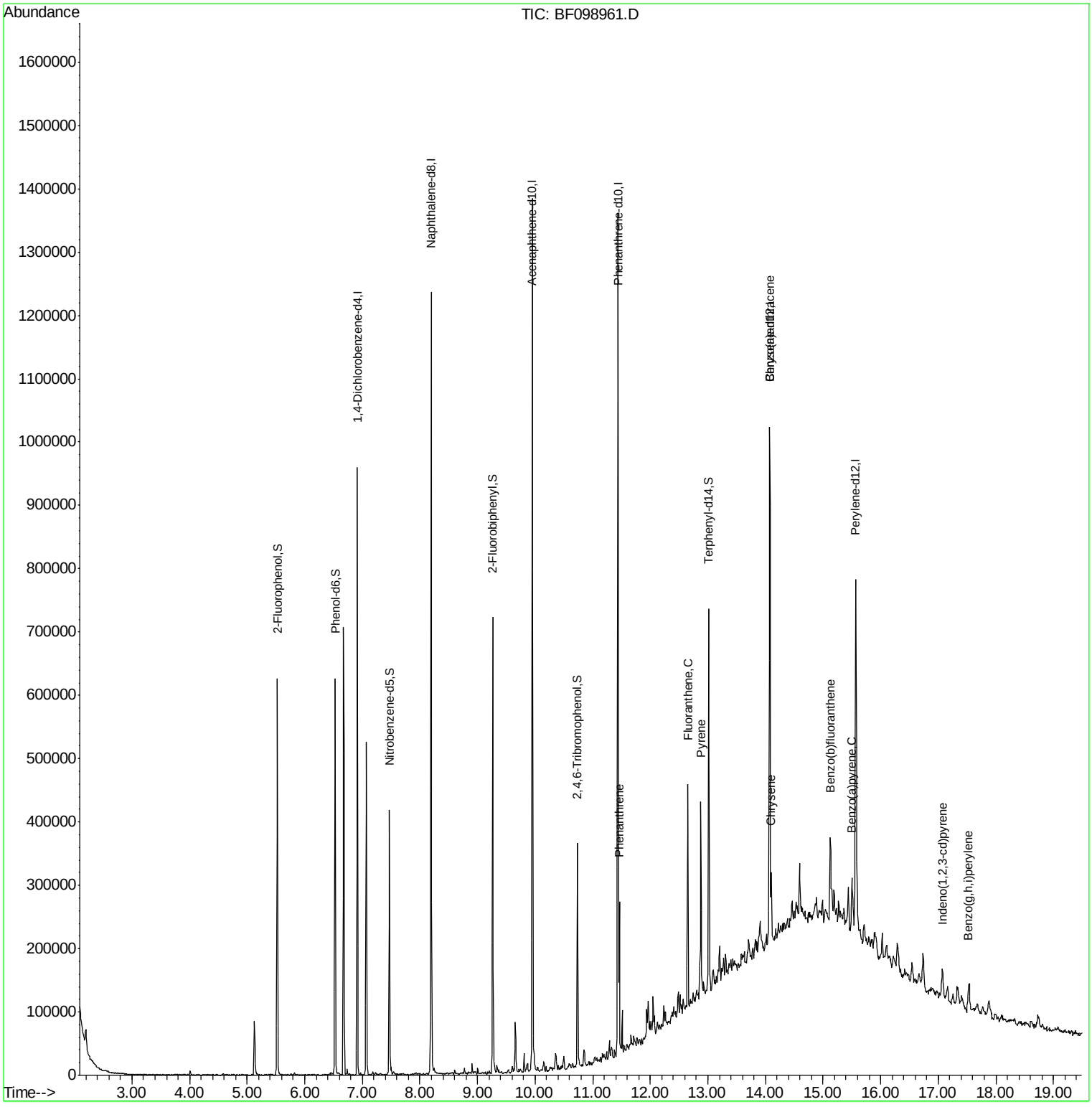
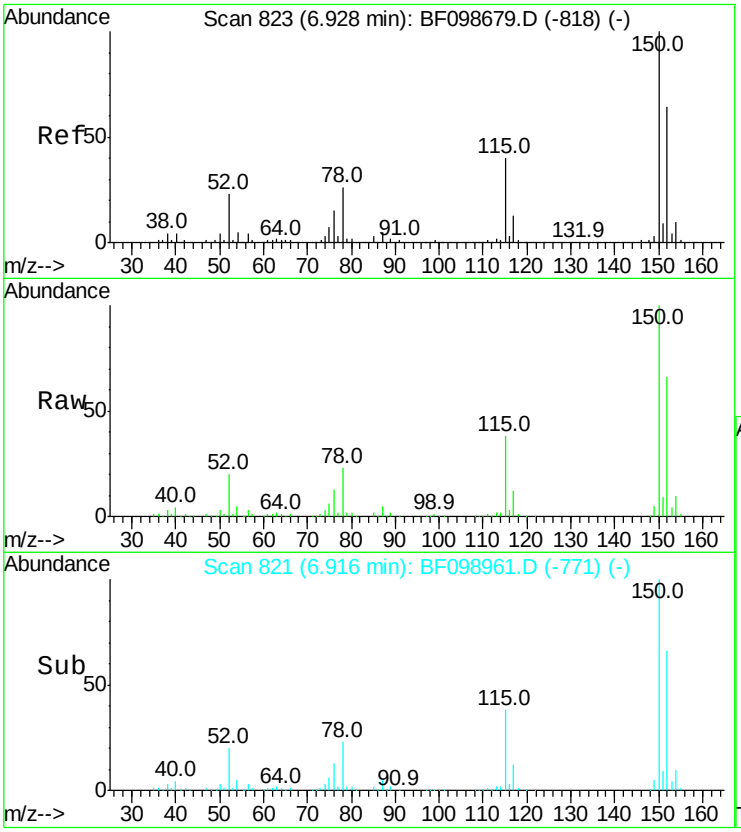
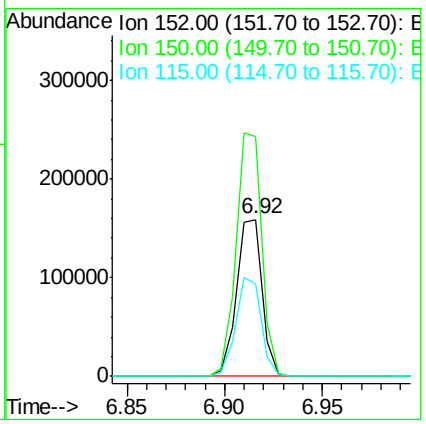




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF098961.D
Acq: 30 Sep 2017 14:31

Tgt Ion:152 Resp: 144283

Ion	Ratio	Lower	Upper
152	100		
150	152.6	124.6	186.8
115	58.7	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
LB-31(0-0.5)

Manual Integrations APPROVED
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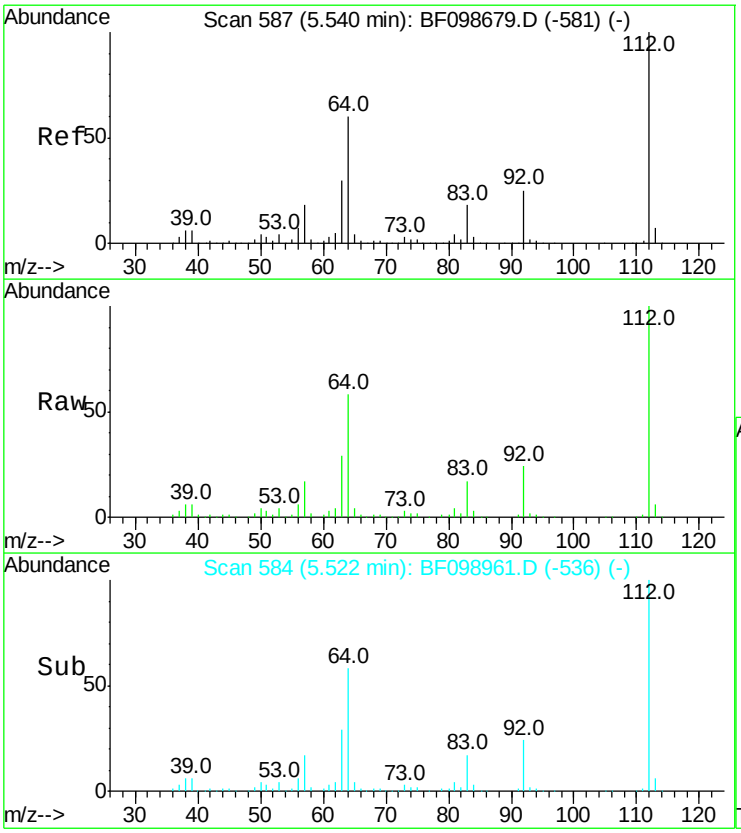
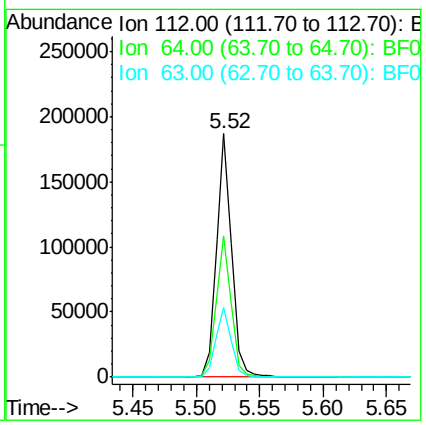
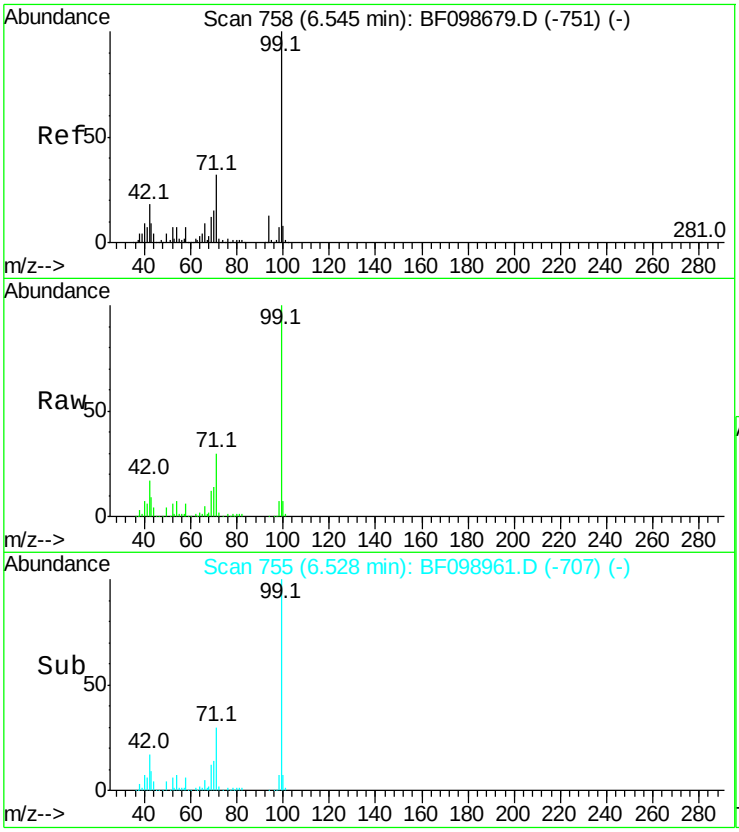


#5
2-Fluorophenol
Concen: 17.451 ng
RT: 5.52 min Scan# 584
Delta R.T. -0.02 min
Lab File: BF098961.D
Acq: 30 Sep 2017 14:31

Tgt Ion:112 Resp: 158165

Ion	Ratio	Lower	Upper
112	100		
64	58.0	47.9	71.9
63	28.5	23.7	35.5

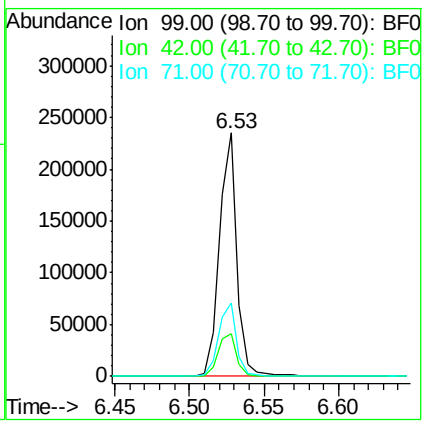




#7
Phenol-d6
Concen: 17.372 ng
RT: 6.53 min Scan# 755
Delta R.T. -0.02 min
Lab File: BF098961.D
Acq: 30 Sep 2017 14:31

Tgt Ion: 99 Resp: 194232

Ion	Ratio	Lower	Upper
99	100		
42	17.4	14.5	21.7
71	30.1	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
LB-31(0-0.5)

Manual Integrations APPROVED
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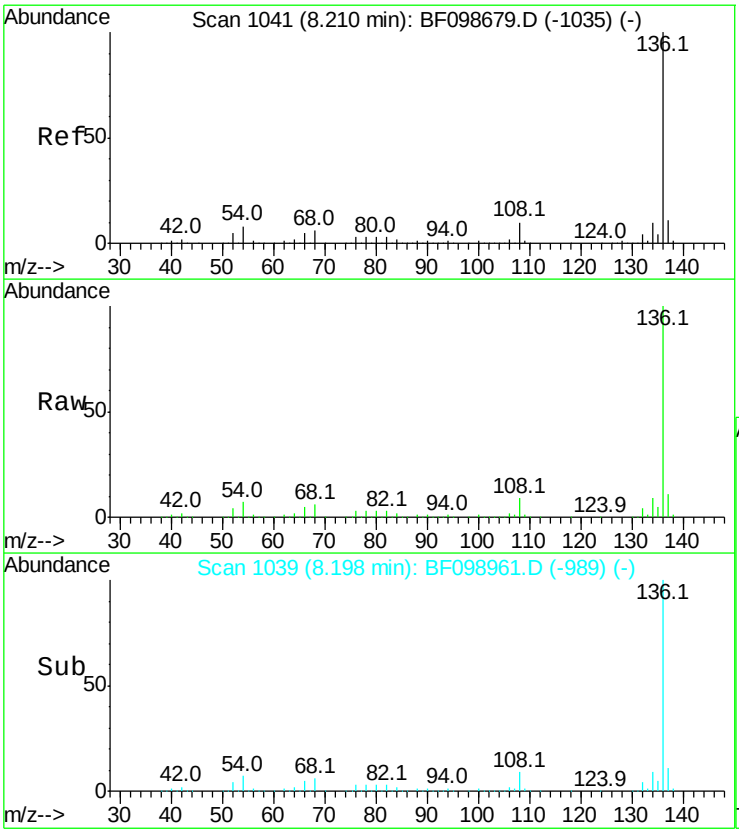
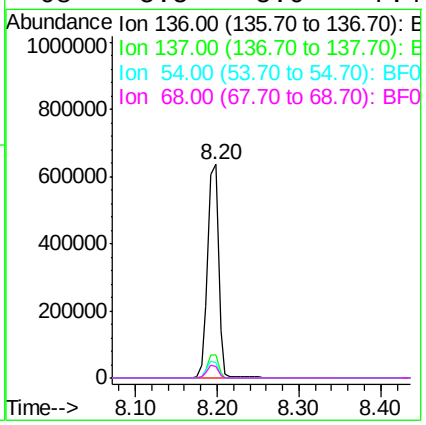
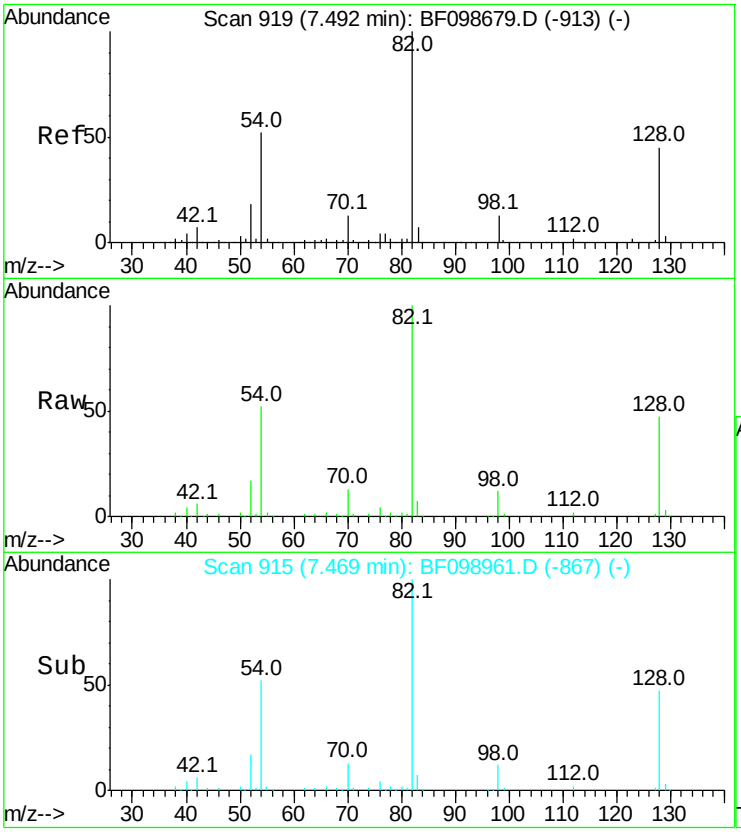


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1039
Delta R.T. -0.01 min
Lab File: BF098961.D
Acq: 30 Sep 2017 14:31

Tgt Ion:136 Resp: 597982

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	6.9	6.6	9.8
68	5.5	5.0	7.4

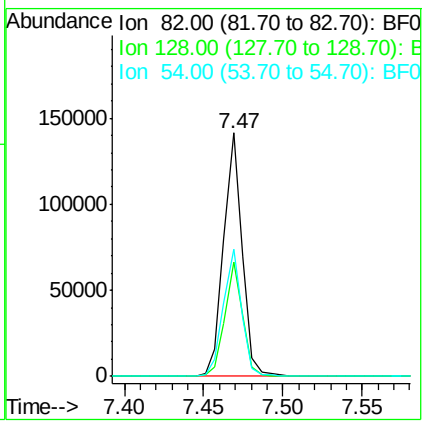




#23
Nitrobenzene-d5
Concen: 12.350 ng
RT: 7.47 min Scan# 915
Delta R.T. -0.02 min
Lab File: BF098961.D
Acq: 30 Sep 2017 14:31

Tgt Ion: 82 Resp: 115154

Ion	Ratio	Lower	Upper
82	100		
128	46.7	36.1	54.1
54	52.2	41.4	62.2



Instrument :
BNA_F
ClientSampleId :
LB-31(0-0.5)

Manual Integrations APPROVED
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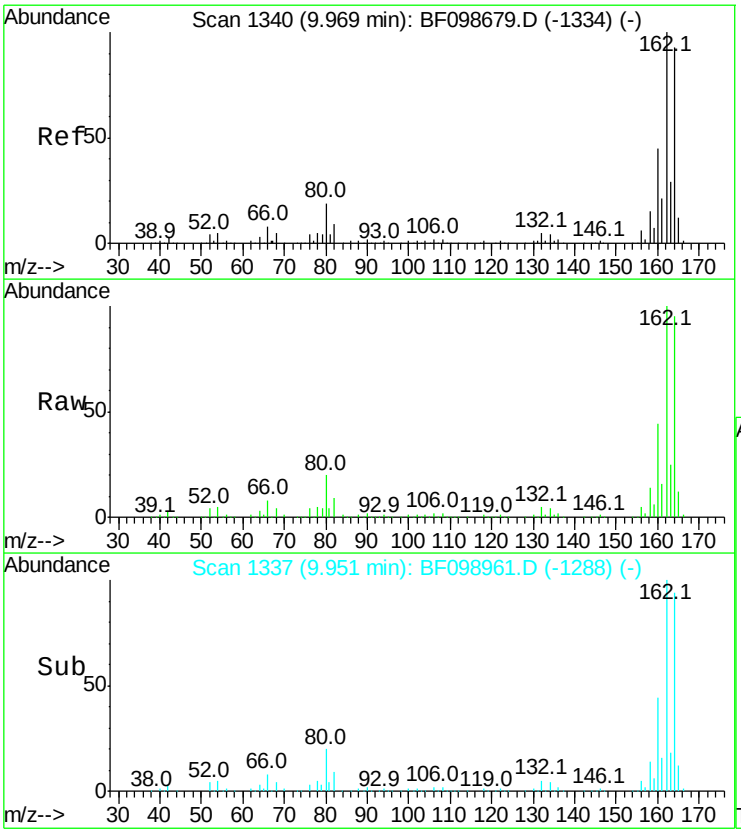
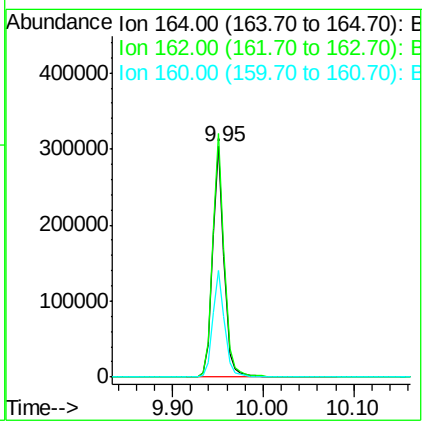
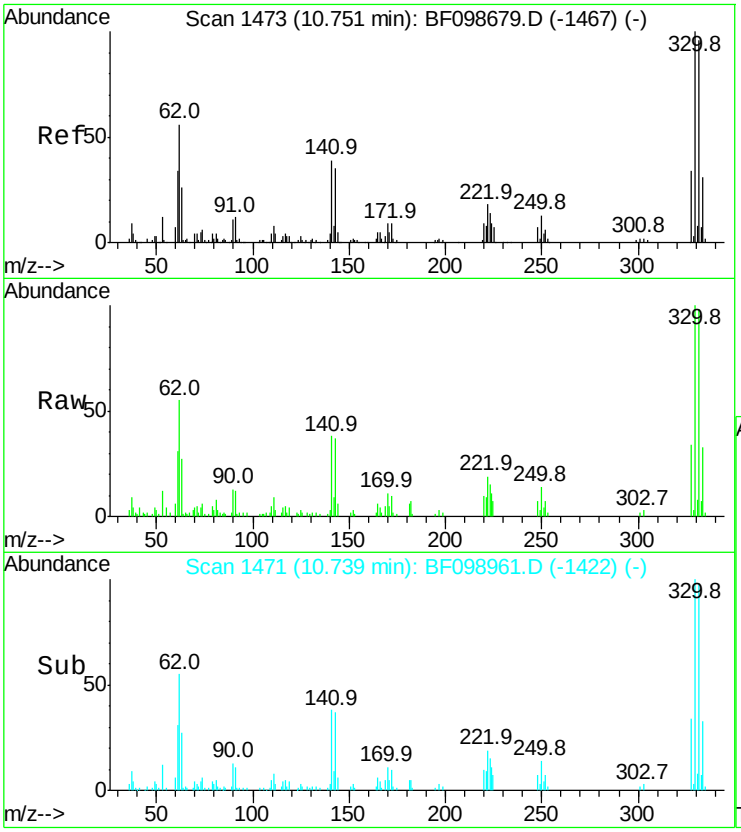


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.95 min Scan# 1337
Delta R.T. -0.01 min
Lab File: BF098961.D
Acq: 30 Sep 2017 14:31

Tgt Ion:164 Resp: 269269

Ion	Ratio	Lower	Upper
164	100		
162	105.7	86.1	129.1
160	46.3	38.3	57.5





#41
2,4,6-Tribromophenol
Concen: 15.072 ng
RT: 10.74 min Scan# 1471
Delta R.T. -0.01 min
Lab File: BF098961.D
Acq: 30 Sep 2017 14:31

Tgt Ion:330 Resp: 33209

Ion	Ratio	Lower	Upper
330	100		
332	98.9	77.0	115.6
141	53.4	29.9	44.9#

Instrument :
BNA_F
ClientSampleId :
LB-31(0-0.5)

Manual Integrations APPROVED
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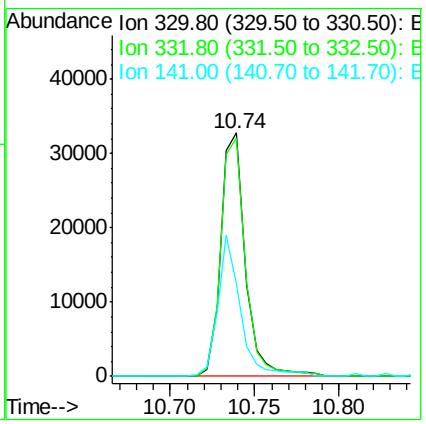
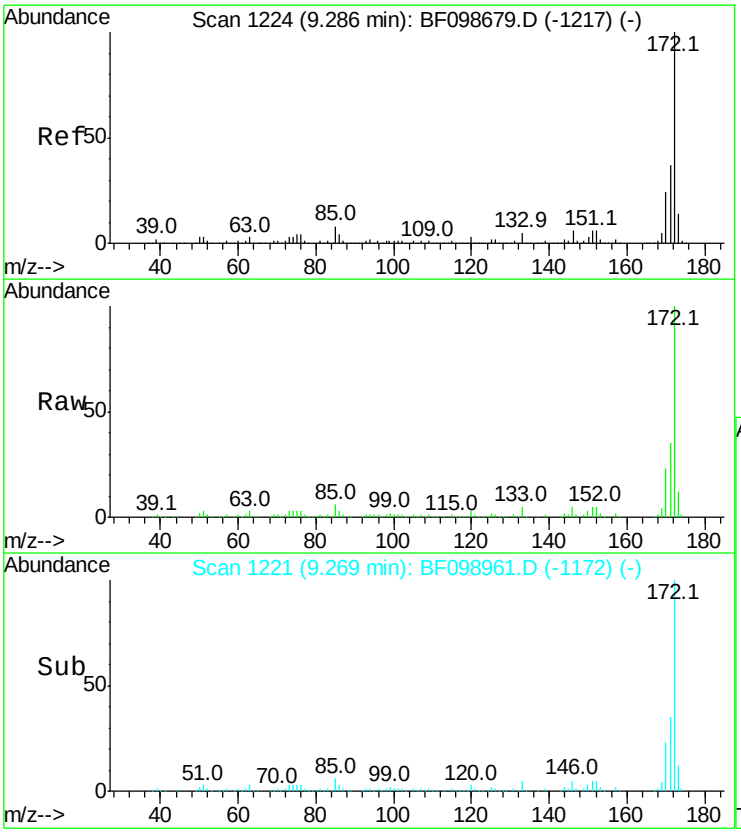
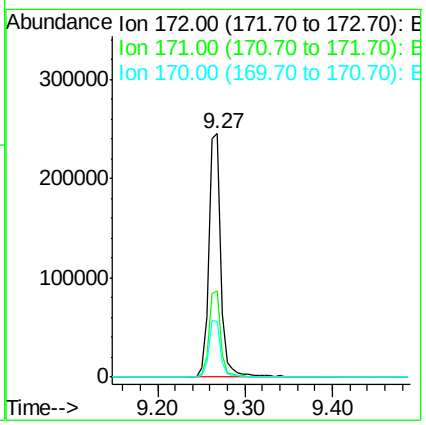


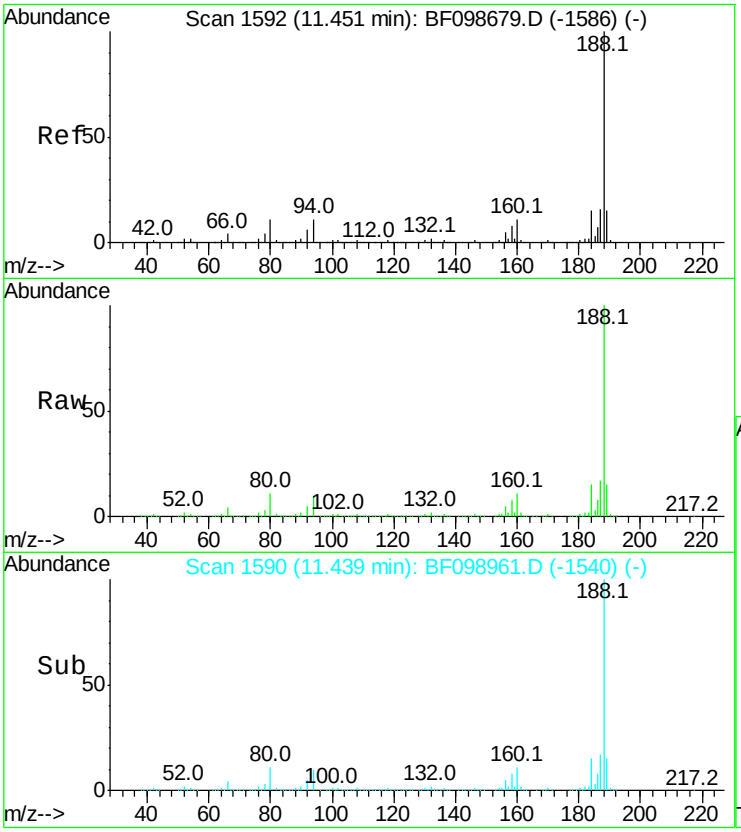


#44
2-Fluorobiphenyl
Concen: 14.516 ng
RT: 9.27 min Scan# 1221
Delta R.T. -0.01 min
Lab File: BF098961.D
Acq: 30 Sep 2017 14:31

Tgt Ion:172 Resp: 234132

Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	22.9	19.6	29.4

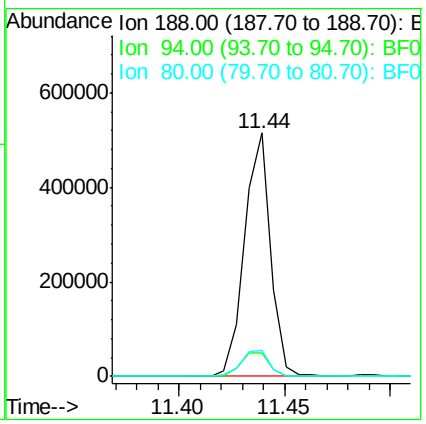




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF098961.D
Acq: 30 Sep 2017 14:31

Tgt Ion:188 Resp: 440381

Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.5	12.7
80	10.8	9.2	13.8



Instrument :
BNA_F
ClientSampleId :
LB-31(0-0.5)

Manual Integrations APPROVED
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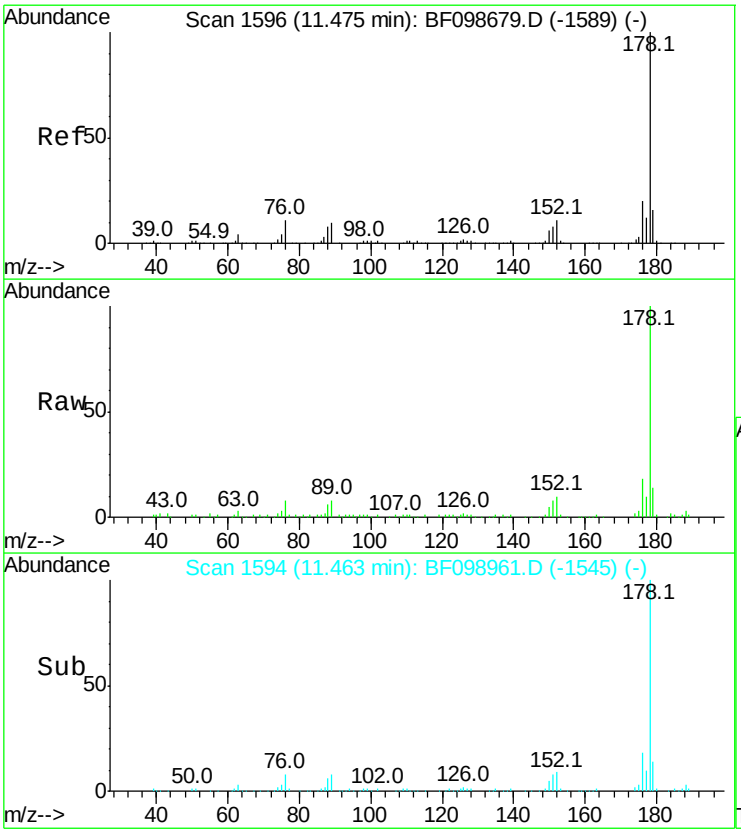
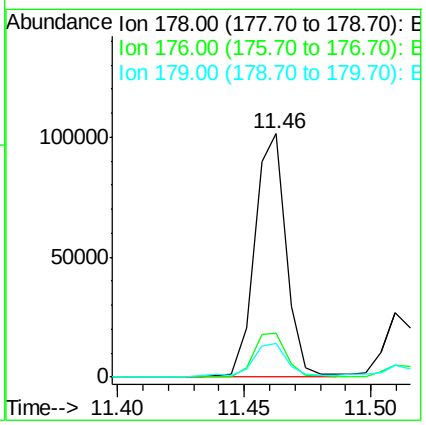
10/2/2017 5:45:13 PM

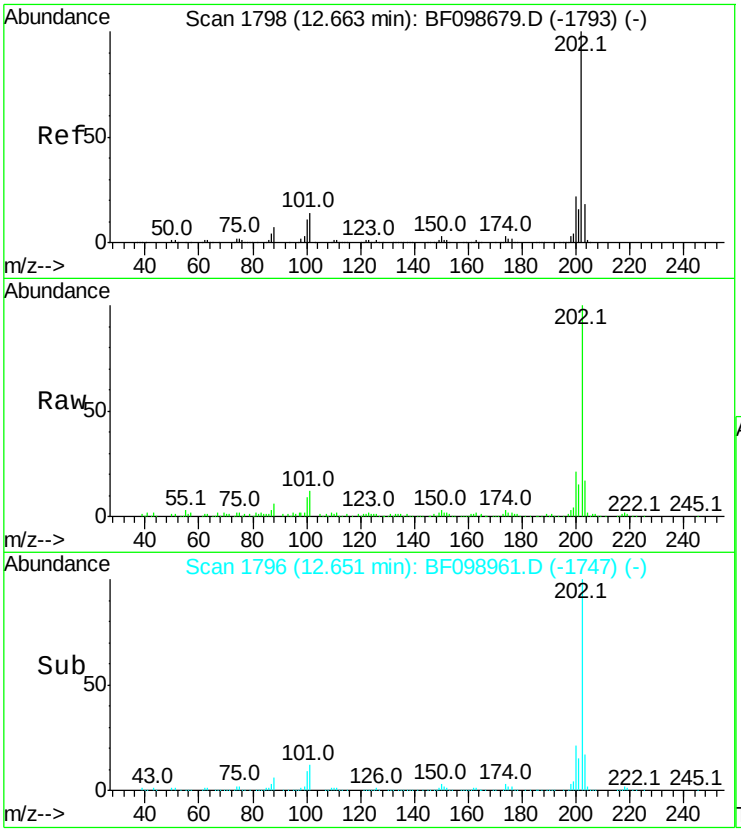


#70
Phenanthrene
Concen: 3.726 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.01 min
Lab File: BF098961.D
Acq: 30 Sep 2017 14:31

Tgt Ion:178 Resp: 87820

Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.8	23.8
179	13.8	13.0	19.6

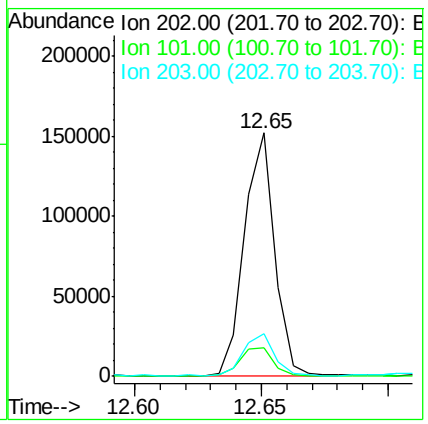




#74
Fluoranthene
Concen: 5.310 ng
RT: 12.65 min Scan# 1796
Delta R.T. -0.01 min
Lab File: BF098961.D
Acq: 30 Sep 2017 14:31

Tgt Ion:202 Resp: 126738

Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	34.1
203	17.4	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
LB-31(0-0.5)

Manual Integrations APPROVED
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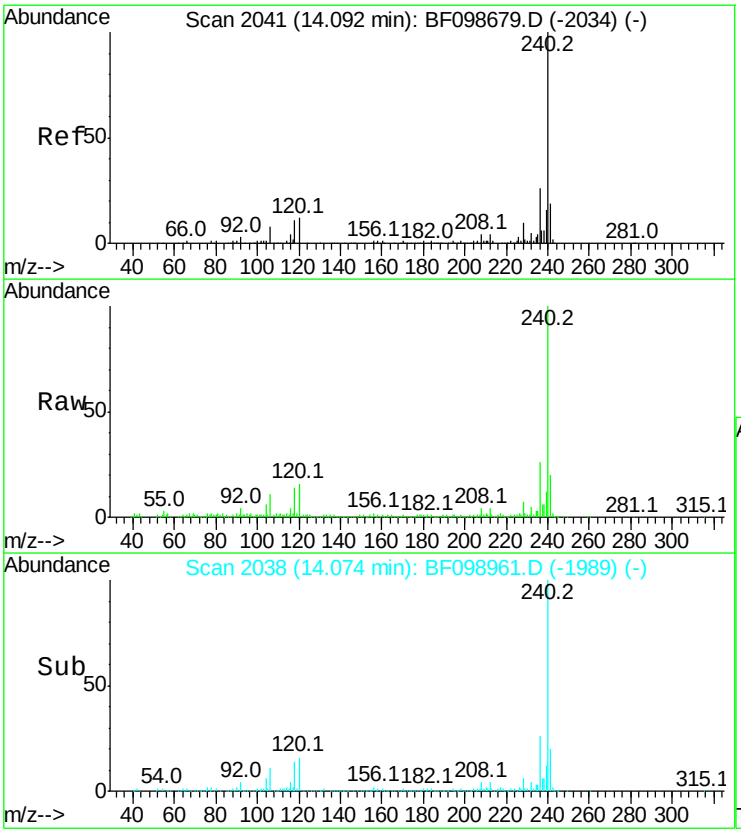
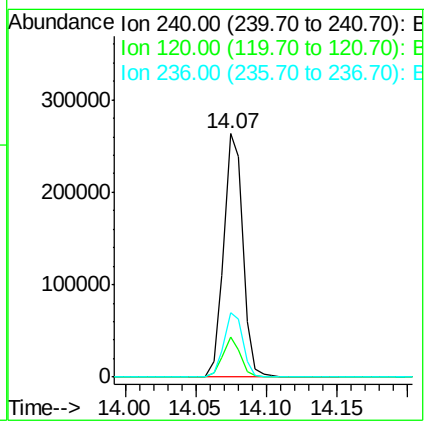
10/2/2017 5:45:13 PM

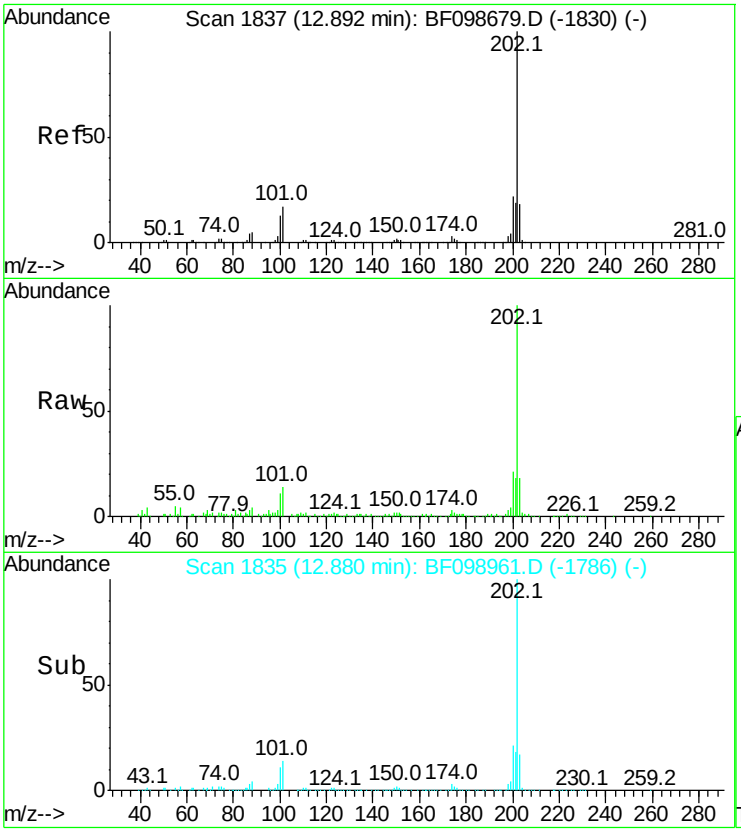


#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF098961.D
Acq: 30 Sep 2017 14:31

Tgt Ion:240 Resp: 249855

Ion	Ratio	Lower	Upper
240	100		
120	16.3	9.5	14.3#
236	26.4	20.7	31.1

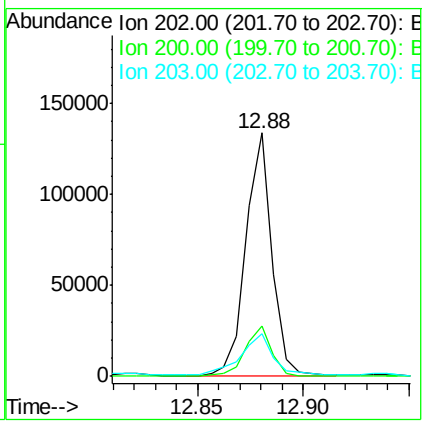




#77
Pyrene
Concen: 5.999 ng
RT: 12.88 min Scan# 1835
Delta R.T. -0.01 min
Lab File: BF098961.D
Acq: 30 Sep 2017 14:31

Tgt Ion:202 Resp: 114292

Ion	Ratio	Lower	Upper
202	100		
200	20.7	17.4	26.2
203	17.7	14.3	21.5



Instrument :
BNA_F
ClientSampleId :
LB-31(0-0.5)

Manual Integrations APPROVED
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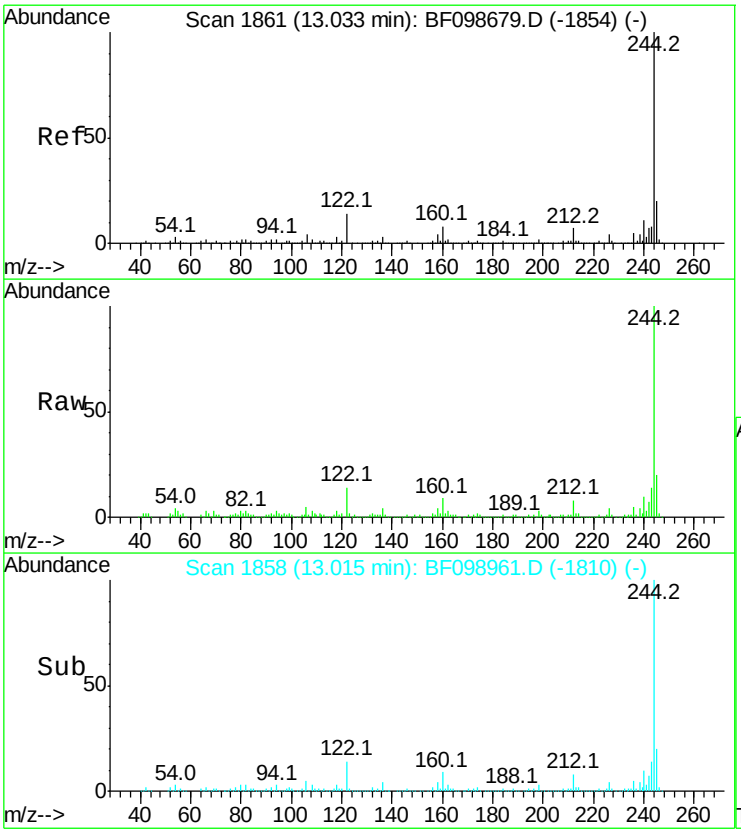
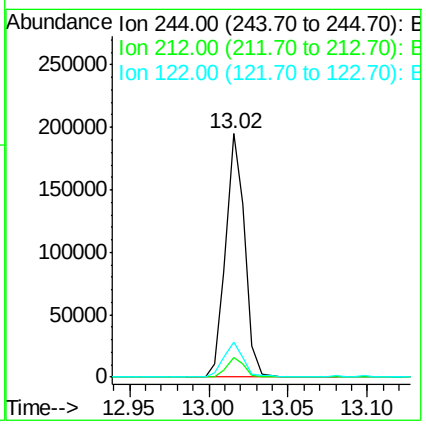
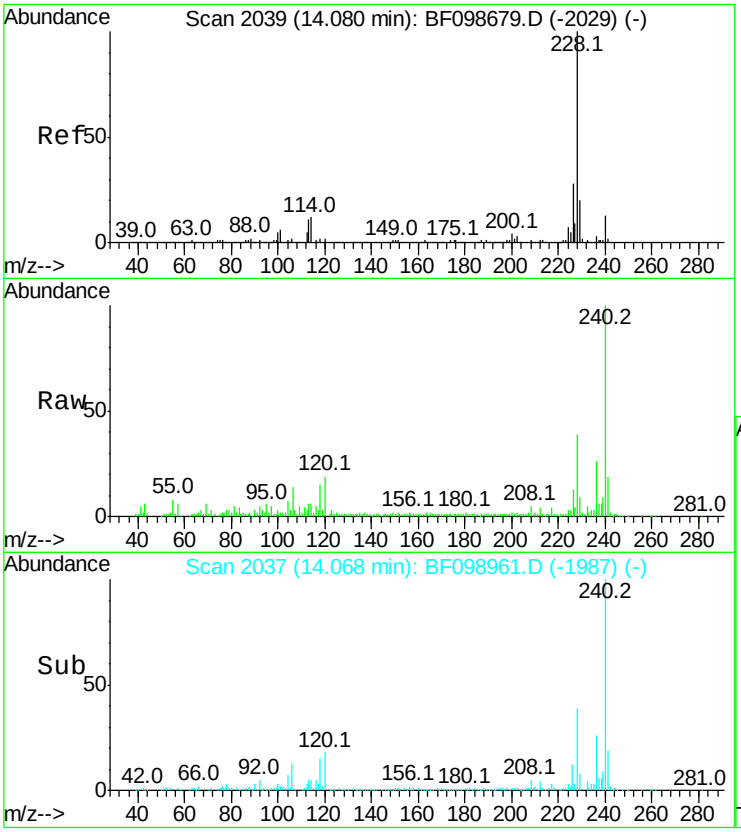


#78
Terphenyl-d14
Concen: 14.739 ng
RT: 13.02 min Scan# 1858
Delta R.T. -0.02 min
Lab File: BF098961.D
Acq: 30 Sep 2017 14:31

Tgt Ion:244 Resp: 161934

Ion	Ratio	Lower	Upper
244	100		
212	7.8	5.4	8.0
122	14.4	11.0	16.4

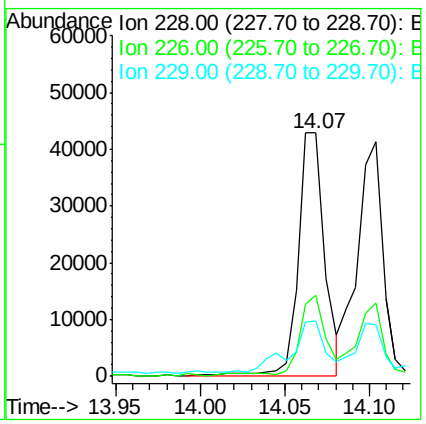




#80
Benzo(a)anthracene
Concen: 3.100 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF098961.D
Acq: 30 Sep 2017 14:31

Tgt Ion:228 Resp: 46902

Ion	Ratio	Lower	Upper
228	100		
226	33.0	22.6	33.8
229	22.8	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
LB-31(0-0.5)

Manual Integrations APPROVED
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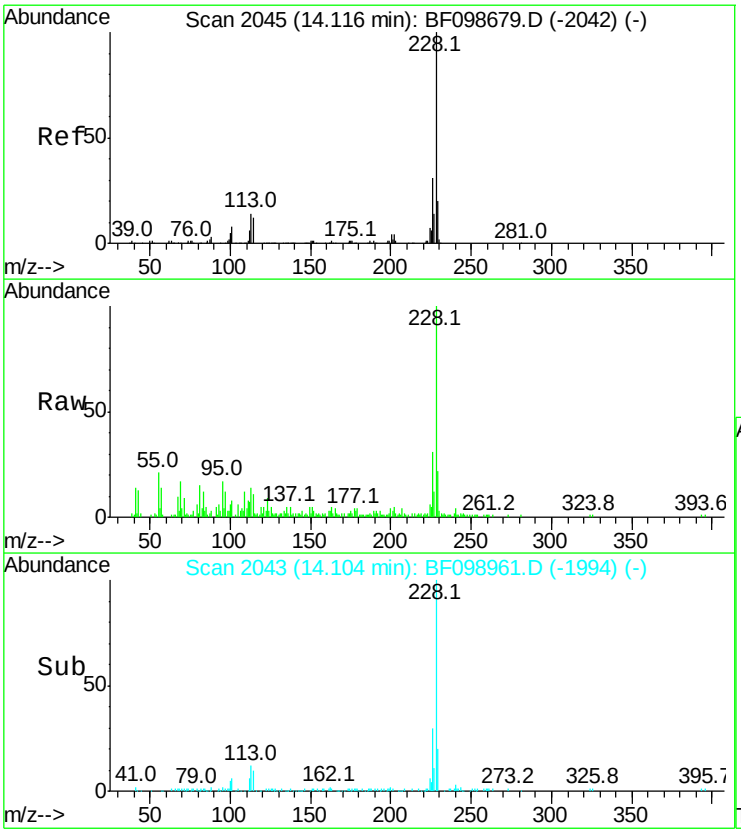
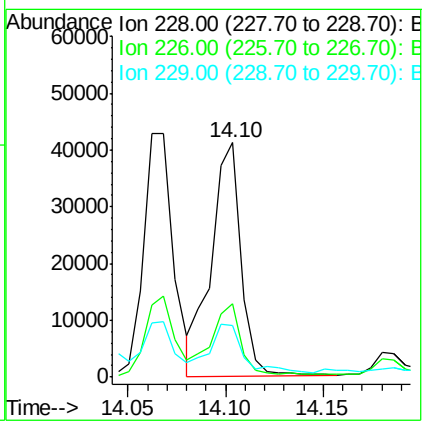
10/2/2017 5:45:13 PM

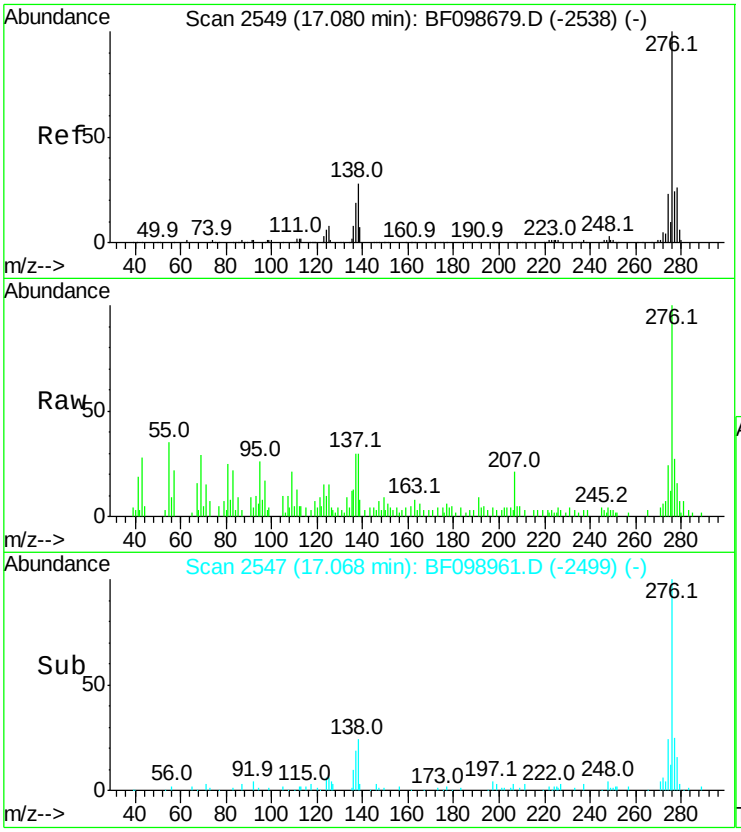


#82
Chrysene
Concen: 3.062 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF098961.D
Acq: 30 Sep 2017 14:31

Tgt Ion:228 Resp: 44101

Ion	Ratio	Lower	Upper
228	100		
226	31.3	25.0	37.6
229	22.0	16.2	24.4





#85
Indeno(1,2,3-cd)pyrene
Concen: 2.635 ng
RT: 17.07 min Scan# 2547
Delta R.T. -0.02 min
Lab File: BF098961.D
Acq: 30 Sep 2017 14:31

Tgt Ion:276 Resp: 30358

Ion	Ratio	Lower	Upper
276	100		
138	24.5	25.0	37.6#
277	27.1	20.1	30.1

Instrument :
BNA_F
ClientSampleId :
LB-31(0-0.5)

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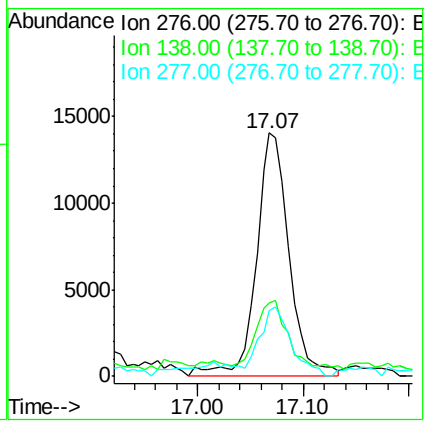
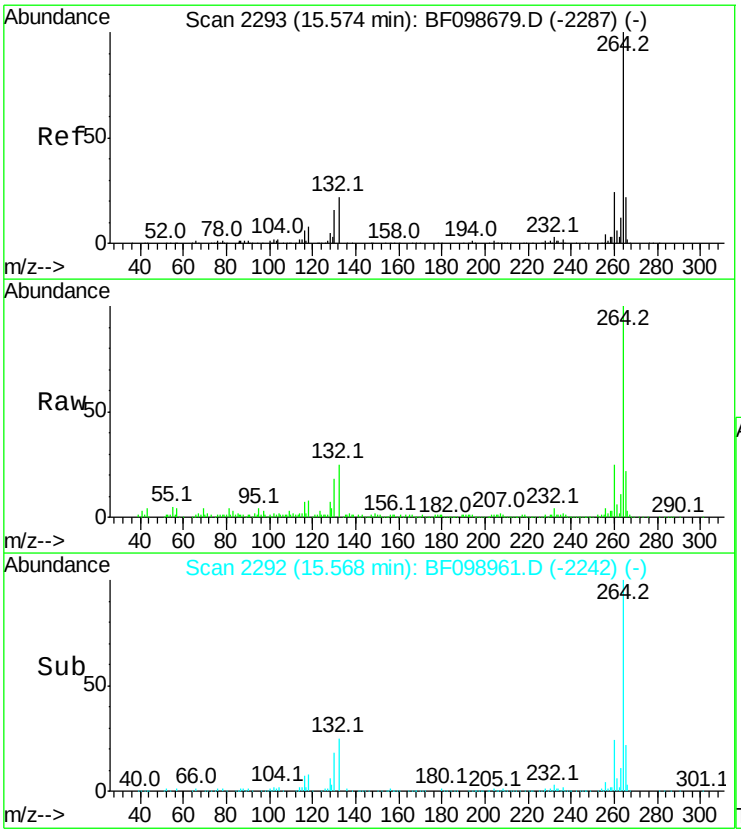
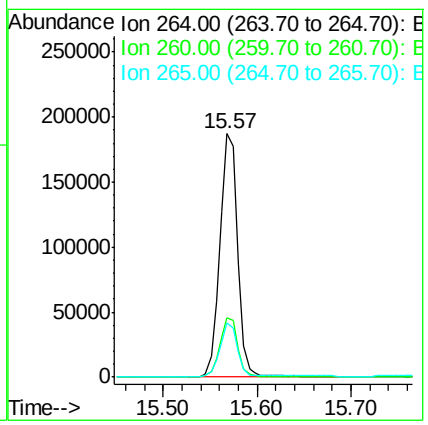


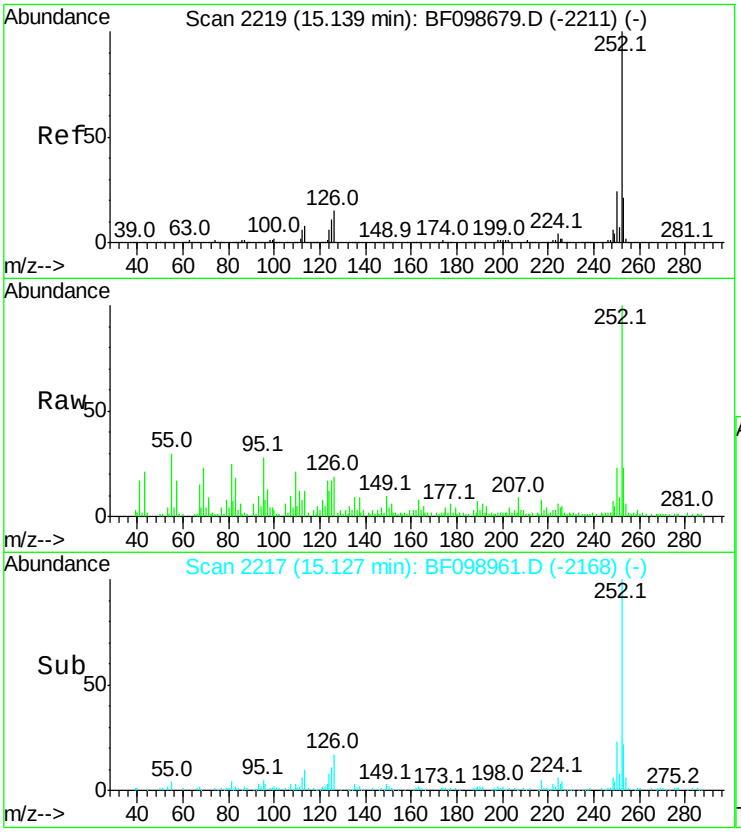


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2292
Delta R.T. -0.01 min
Lab File: BF098961.D
Acq: 30 Sep 2017 14:31

Tgt Ion:264 Resp: 247678

Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	22.3	17.5	26.3





#87
Benzo(b)fluoranthene
Concen: 3.422 ng m
RT: 15.13 min Scan# 2217
Delta R.T. -0.01 min
Lab File: BF098961.D
Acq: 30 Sep 2017 14:31

Tgt Ion:252 Resp: 52105

Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	17.3	9.0	13.6#

Instrument :
BNA_F
ClientSampleId :
LB-31(0-0.5)

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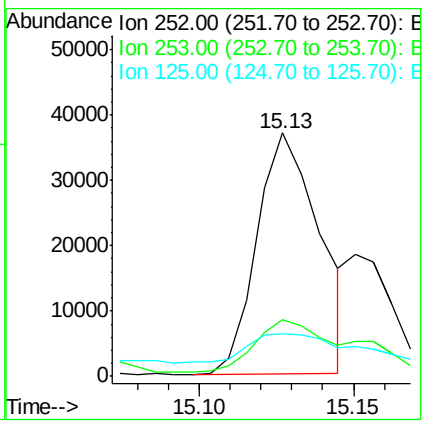
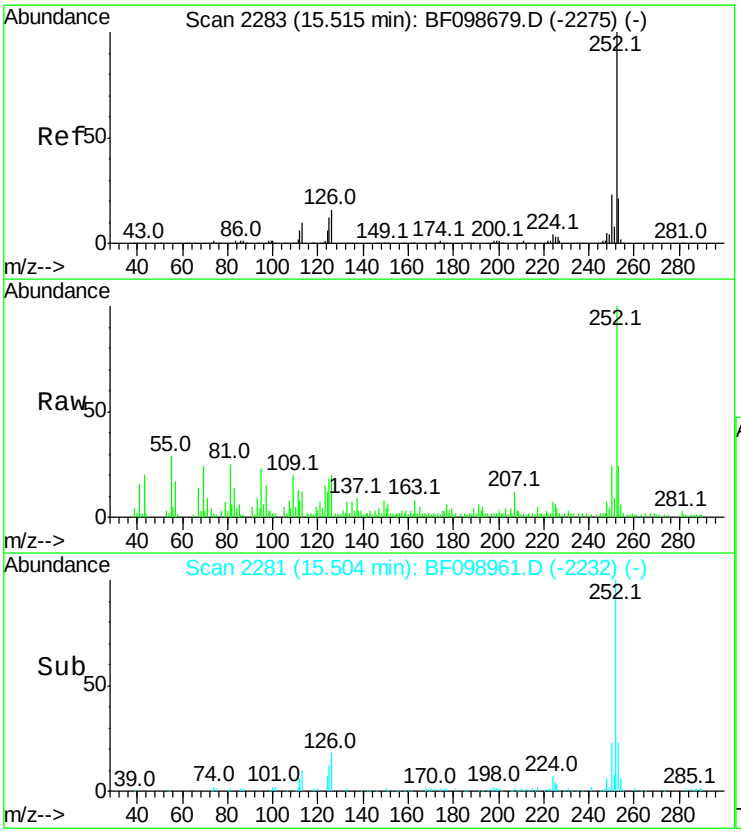
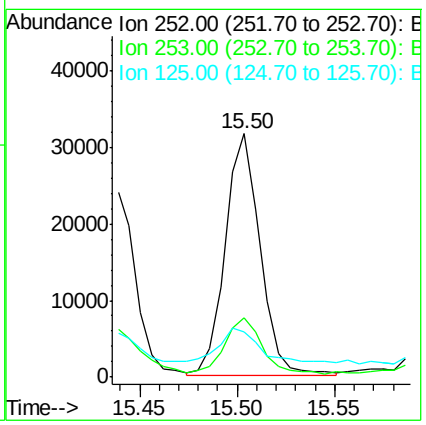


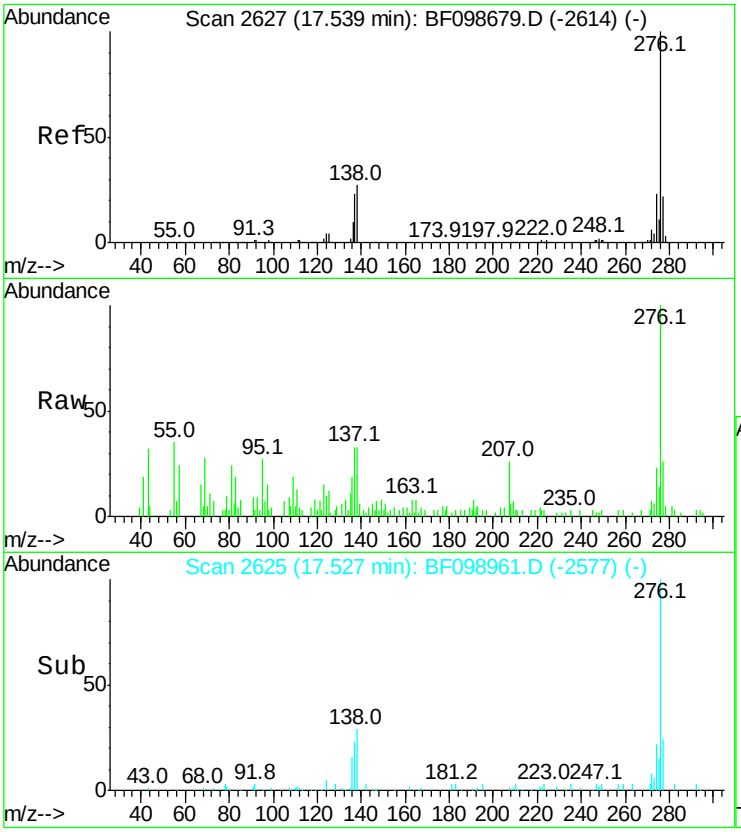


#89
Benzo(a)pyrene
Concen: 2.797 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF098961.D
Acq: 30 Sep 2017 14:31

Tgt Ion:252 Resp: 39097

Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.1	25.7
125	18.5	9.8	14.6#

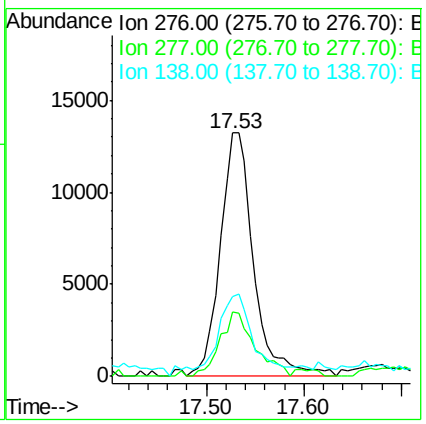




#91
Benzo(g,h,i)perylene
Concen: 2.832 ng
RT: 17.53 min Scan# 2625
Delta R.T. -0.02 min
Lab File: BF098961.D
Acq: 30 Sep 2017 14:31

Tgt Ion:276 Resp: 31321

Ion	Ratio	Lower	Upper
276	100		
277	26.5	17.9	26.9
138	33.0	21.8	32.8#



Instrument :
BNA_F
ClientSampleId :
LB-31(0-0.5)

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