Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102218\
Data File : BF110050.D
Acq On : 22 Oct 2018 15:50
Operator : JU/SJ
Sample : J5197-03 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HD-02-101918

Manual Integrations APPROVED
Sohil
10/23/2018 6:09:45 PM

Quant Time: Oct 23 13:15:06 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 16 14:58:24 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	199388	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	750301	20.00	ng	-0.02
39) Acenaphthene-d10	10.01	164	294235	20.00	ng	-0.02
64) Phenanthrene-d10	11.50	188	469115	20.00	ng	-0.01
76) Chrysene-d12	14.15	240	354467	20.00	ng	-0.01
87) Perylene-d12	15.67	264	252725	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	494386	39.30	ng	-0.02
7) Phenol-d6	6.58	99	620302	39.71	ng	-0.02
23) Nitrobenzene-d5	7.53	82	358250	32.16	ng	-0.02
42) 2,4,6-Tribromophenol	10.80	330	97022	38.09	ng	-0.02
45) 2-Fluorobiphenyl	9.33	172	639446	34.68	ng	-0.01
79) Terphenyl-d14	13.09	244	485924	28.79	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.59	94	47914	2.841	ng	# 65
50) Dimethylphthalate	9.72	163	62370	2.994	ng	# 97
71) Phenanthrene	11.53	178	73434	3.024	ng	99
75) Fluoranthene	12.72	202	119684	4.933	ng	99
78) Pyrene	12.96	202	153772	5.906	ng	99
81) Benzo(a)anthracene	14.14	228	67710	3.243	ng	93
83) Chrysene	14.17	228	82435m	4.148	ng	
88) Benzo(b)fluoranthene	15.22	252	73613m	5.052	ng	
90) Benzo(a)pyrene	15.60	252	56780	4.237	ng	# 88
92) Benzo(g,h,i)perylene	17.71	276	34286	2.857	ng	# 90

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

Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102218\
Data File : BF110050.D
Acq On : 22 Oct 2018 15:50
Operator : JU/SJ
Sample : J5197-03 2X
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 23 13:15:06 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 16 14:58:24 2018
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
HD-02-101918

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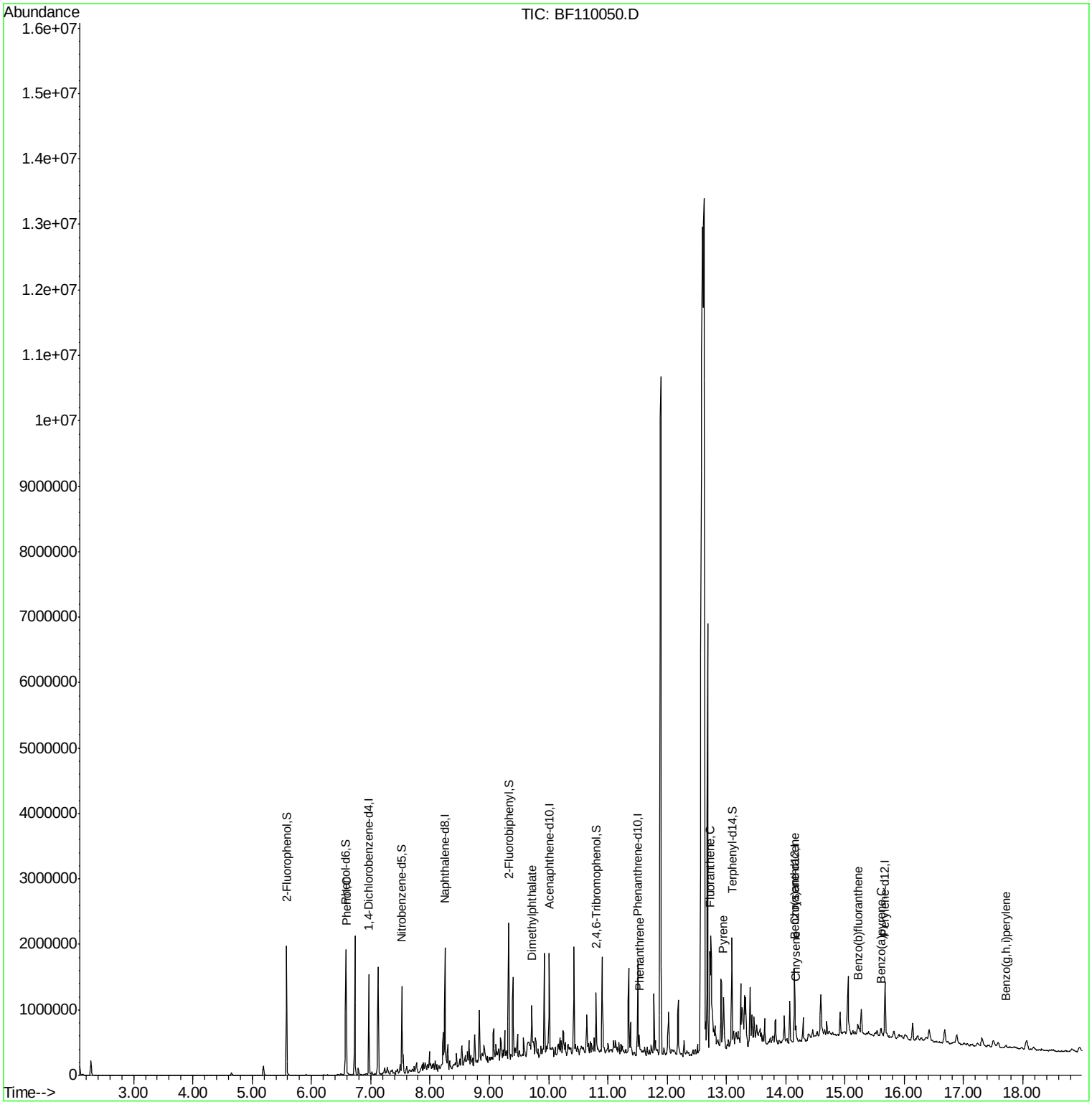
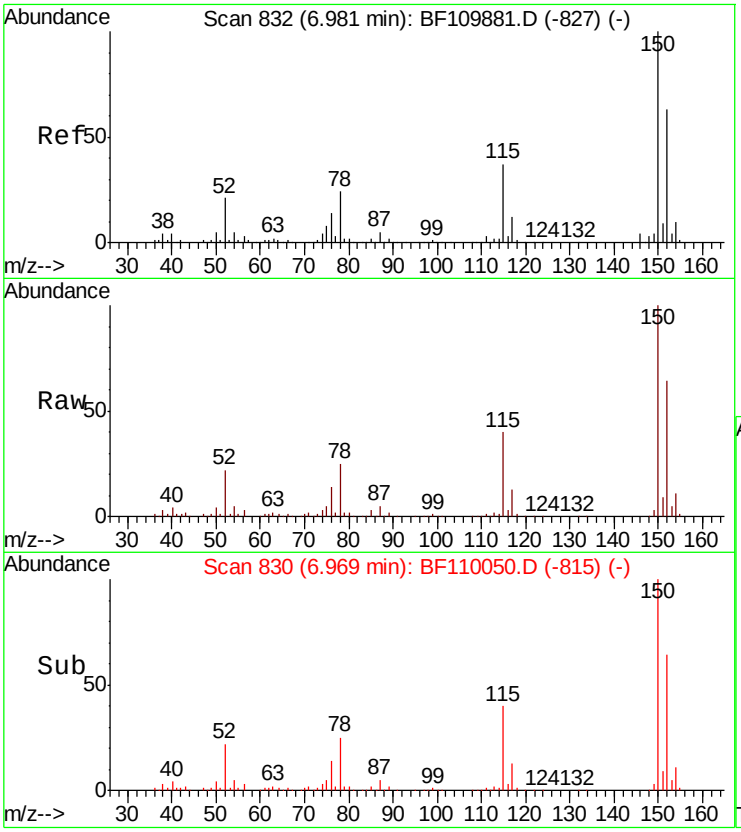
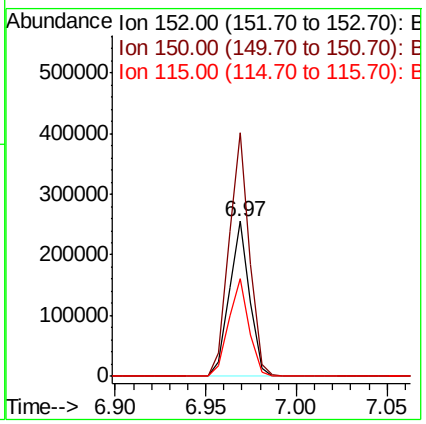




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF110050.D
Acq: 22 Oct 2018 15:50

Tgt Ion:152 Resp: 199388

Ion	Ratio	Lower	Upper
152	100		
150	156.9	122.7	184.1
115	62.8	49.1	73.7



Instrument :
BNA_F
ClientSampleId :
HD-02-101918

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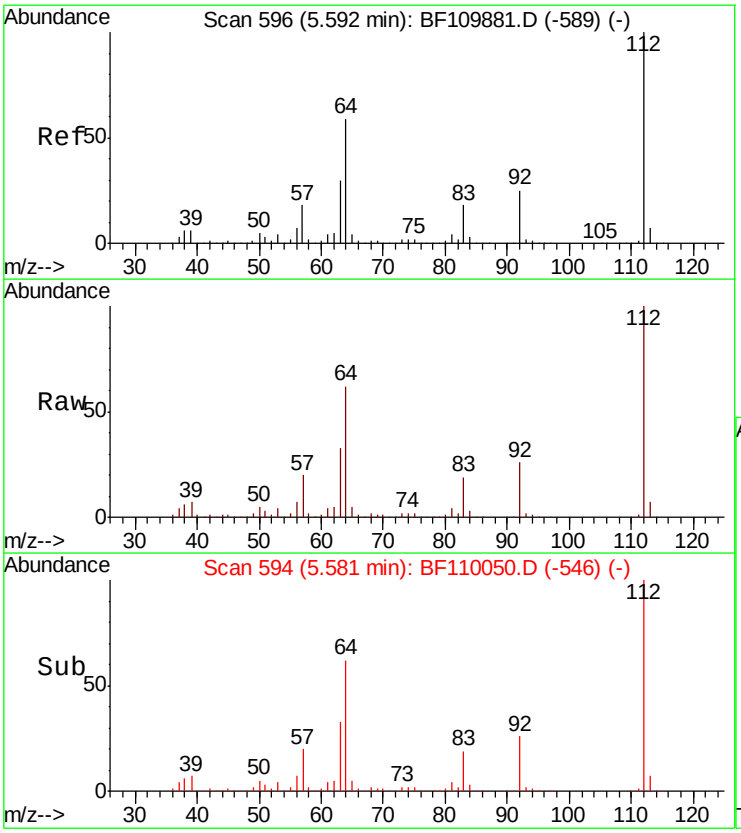
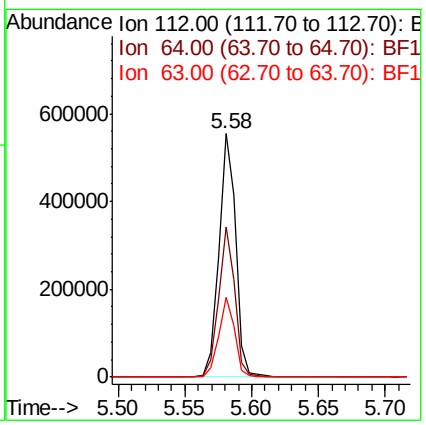
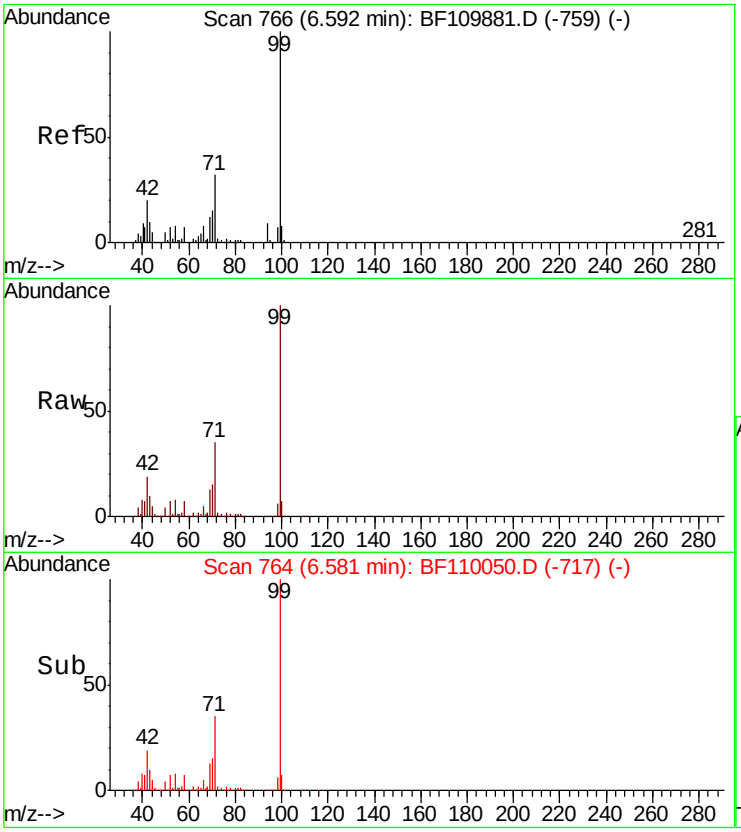


#5
2-Fluorophenol
Concen: 39.304 ng
RT: 5.58 min Scan# 594
Delta R.T. -0.02 min
Lab File: BF110050.D
Acq: 22 Oct 2018 15:50

Tgt Ion:112 Resp: 494386

Ion	Ratio	Lower	Upper
112	100		
64	61.7	44.1	66.1
63	32.7	23.7	35.5

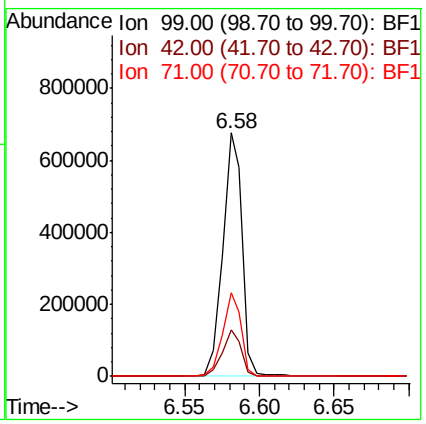




#7
Phenol-d6
Concen: 39.714 ng
RT: 6.58 min Scan# 764
Delta R.T. -0.02 min
Lab File: BF110050.D
Acq: 22 Oct 2018 15:50

Tgt Ion: 99 Resp: 620302

Ion	Ratio	Lower	Upper
99	100		
42	19.2	15.8	23.6
71	34.5	28.0	42.0



Instrument :
BNA_F
ClientSampleId :
HD-02-101918

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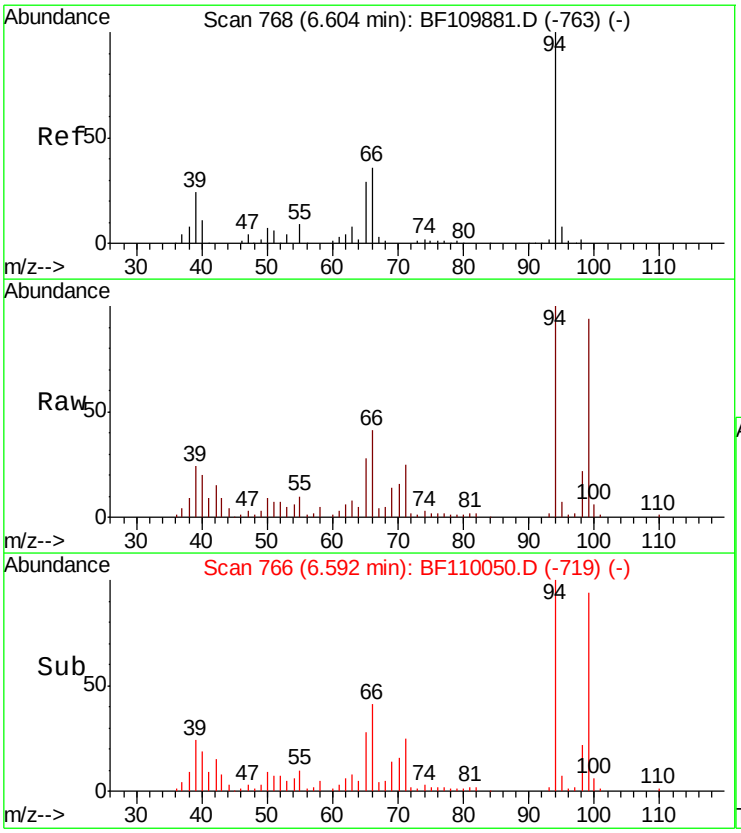
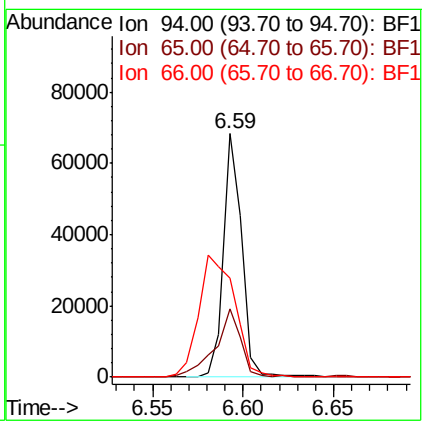
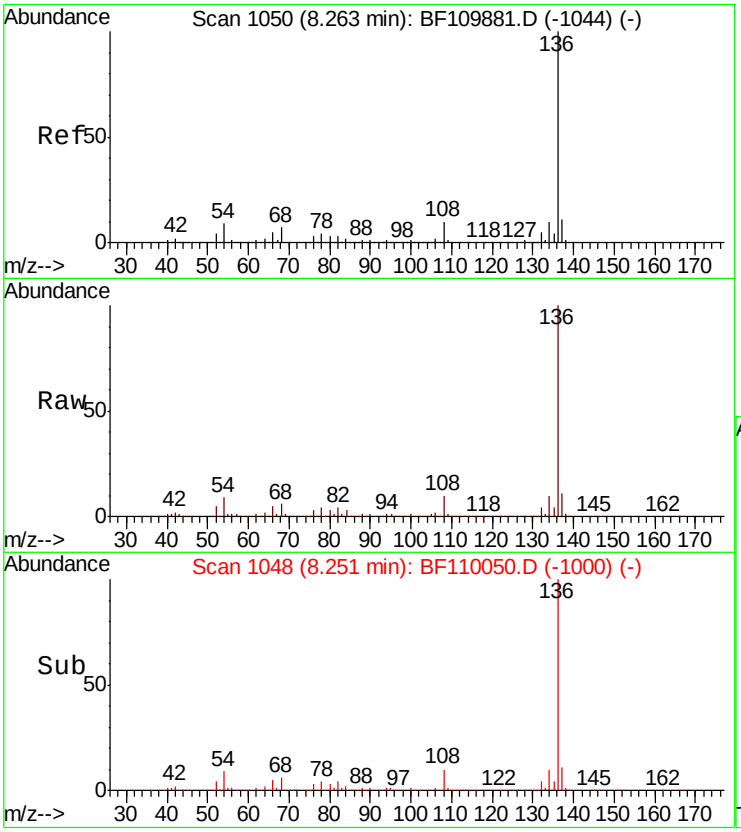


#10
Phenol
Concen: 2.841 ng
RT: 6.59 min Scan# 766
Delta R.T. -0.02 min
Lab File: BF110050.D
Acq: 22 Oct 2018 15:50

Tgt Ion: 94 Resp: 47914

Ion	Ratio	Lower	Upper
94	100		
65	28.0	25.3	65.3
66	40.9	54.5	94.5#

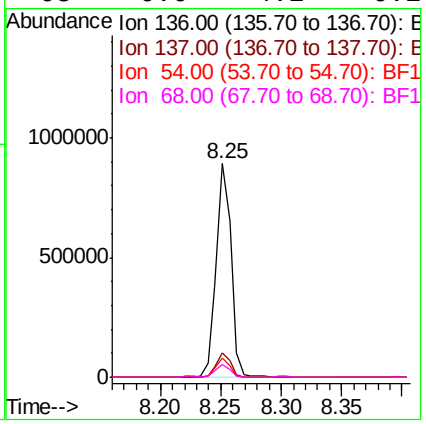




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.02 min
Lab File: BF110050.D
Acq: 22 Oct 2018 15:50

Tgt Ion:136 Resp: 750301

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	8.9	5.4	8.2#
68	6.0	4.2	6.2



Instrument :
BNA_F
ClientSampleId :
HD-02-101918

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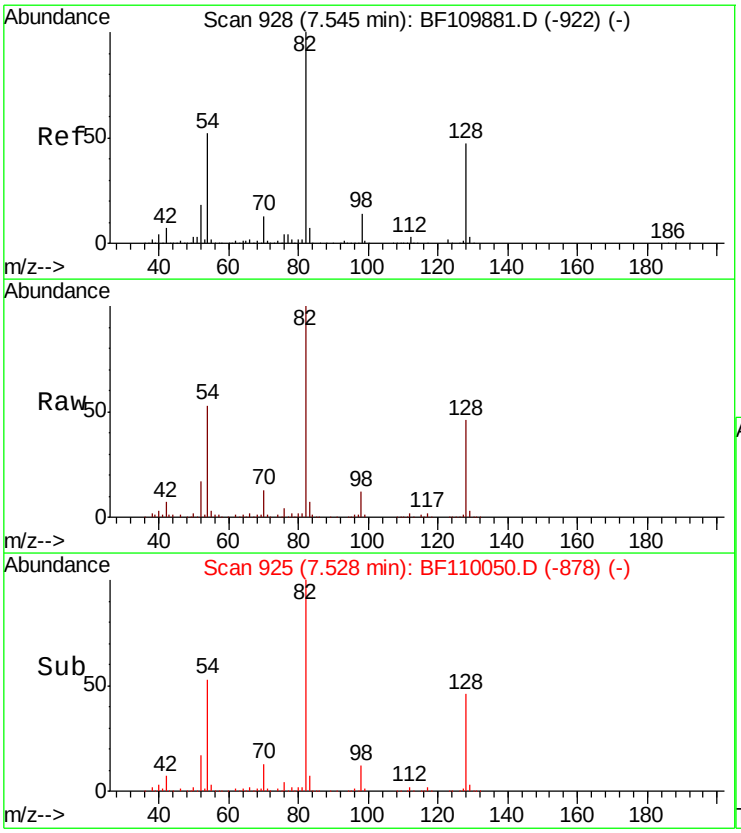
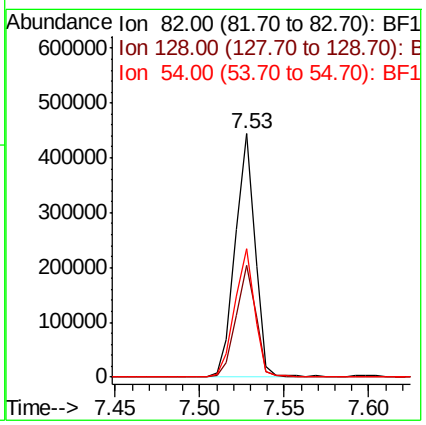
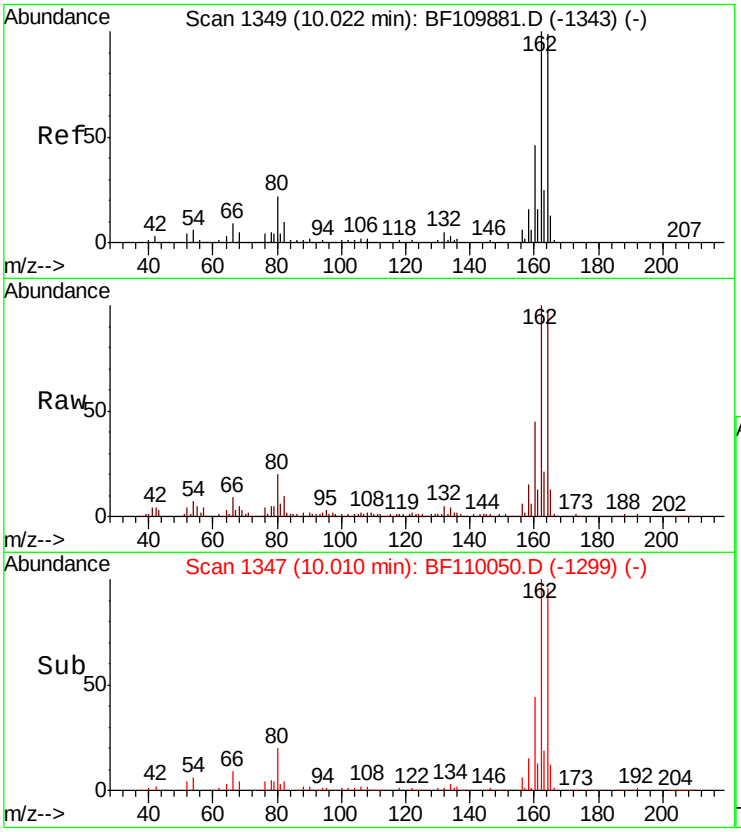


#23
Nitrobenzene-d5
Concen: 32.165 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.02 min
Lab File: BF110050.D
Acq: 22 Oct 2018 15:50

Tgt Ion: 82 Resp: 358250

Ion	Ratio	Lower	Upper
82	100		
128	45.7	34.2	51.2
54	52.6	38.6	58.0

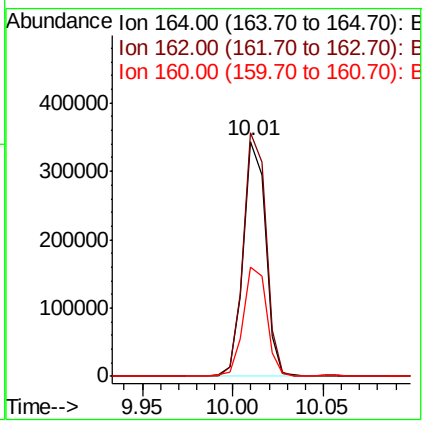




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.02 min
Lab File: BF110050.D
Acq: 22 Oct 2018 15:50

Tgt Ion:164 Resp: 294235

Ion	Ratio	Lower	Upper
164	100		
162	103.6	83.0	124.6
160	46.5	37.0	55.6



Instrument :
BNA_F
ClientSampleId :
HD-02-101918

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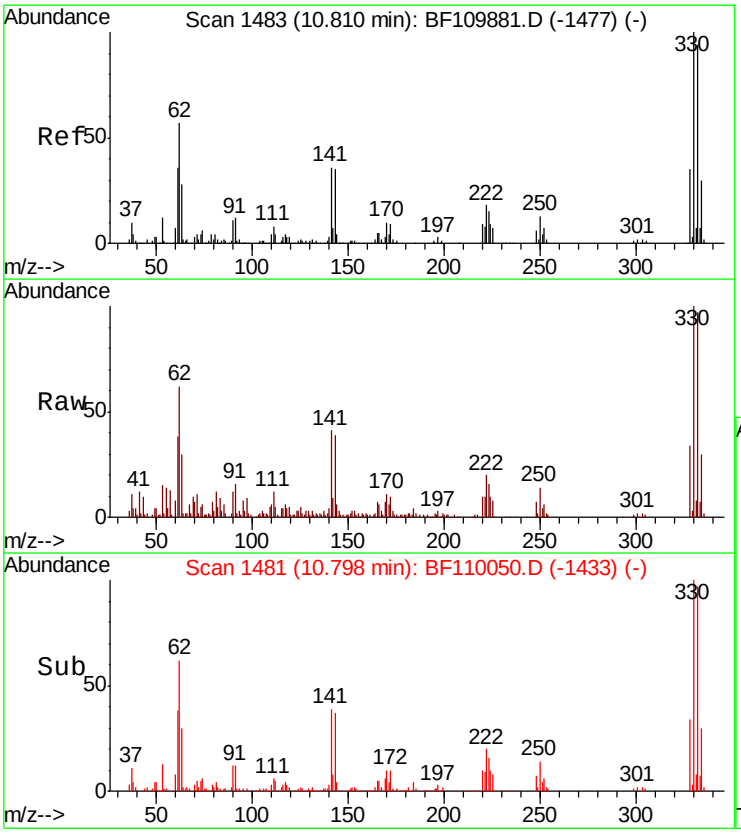
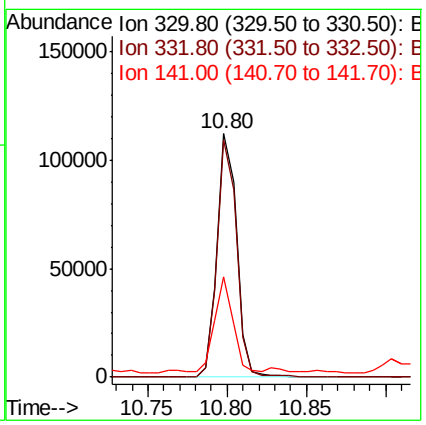
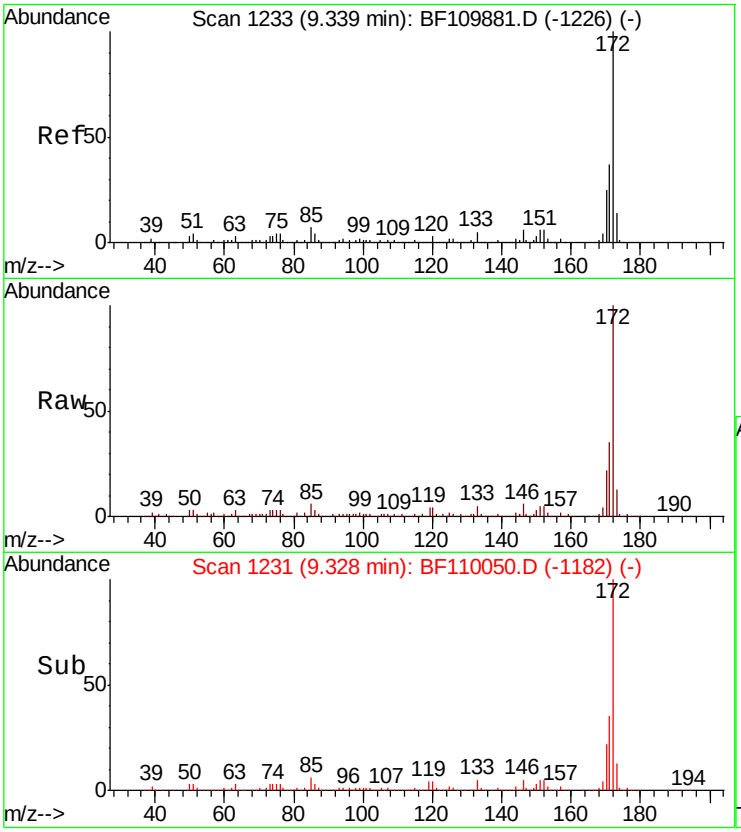


#42
2,4,6-Tribromophenol
Concen: 38.087 ng
RT: 10.80 min Scan# 1481
Delta R.T. -0.02 min
Lab File: BF110050.D
Acq: 22 Oct 2018 15:50

Tgt Ion:330 Resp: 97022

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.1	115.7
141	37.5	27.0	40.4

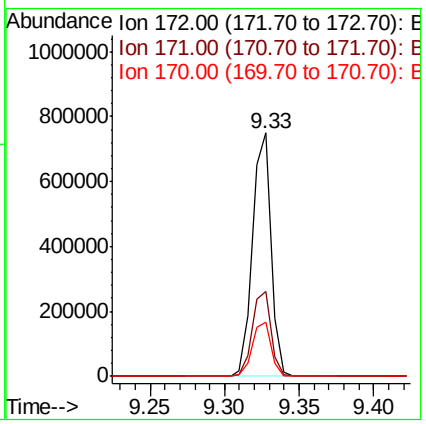




#45
2-Fluorobiphenyl
Concen: 34.678 ng
RT: 9.33 min Scan# 1231
Delta R.T. -0.01 min
Lab File: BF110050.D
Acq: 22 Oct 2018 15:50

Tgt Ion:172 Resp: 639446

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.6	43.0
170	22.4	19.7	29.5



Instrument :
BNA_F
ClientSampleId :
HD-02-101918

Manual Integrations APPROVED
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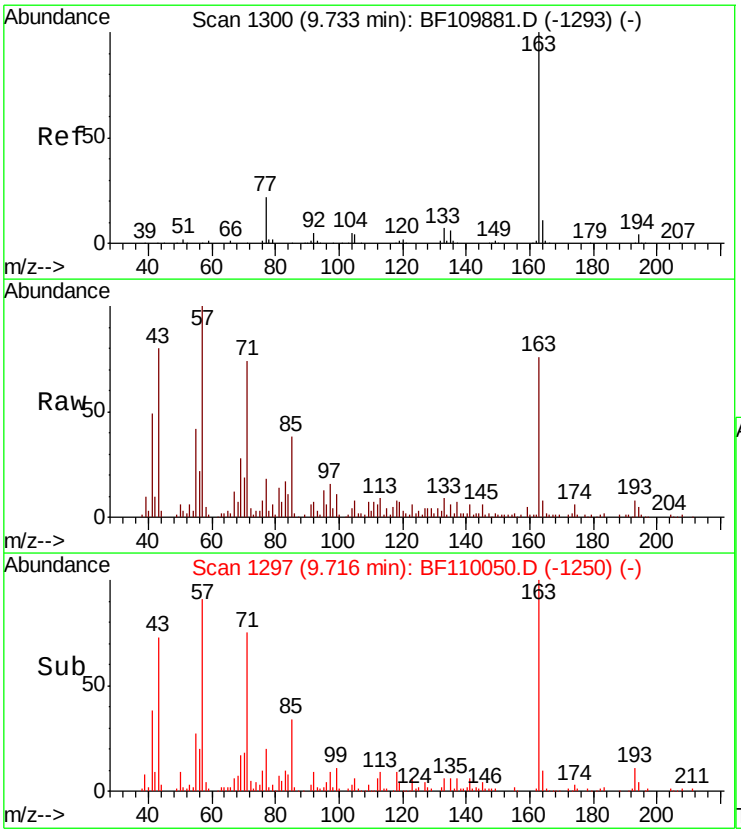
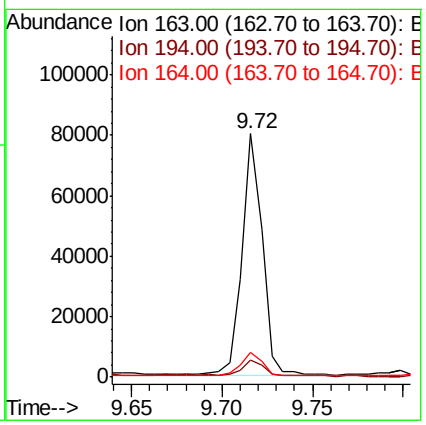
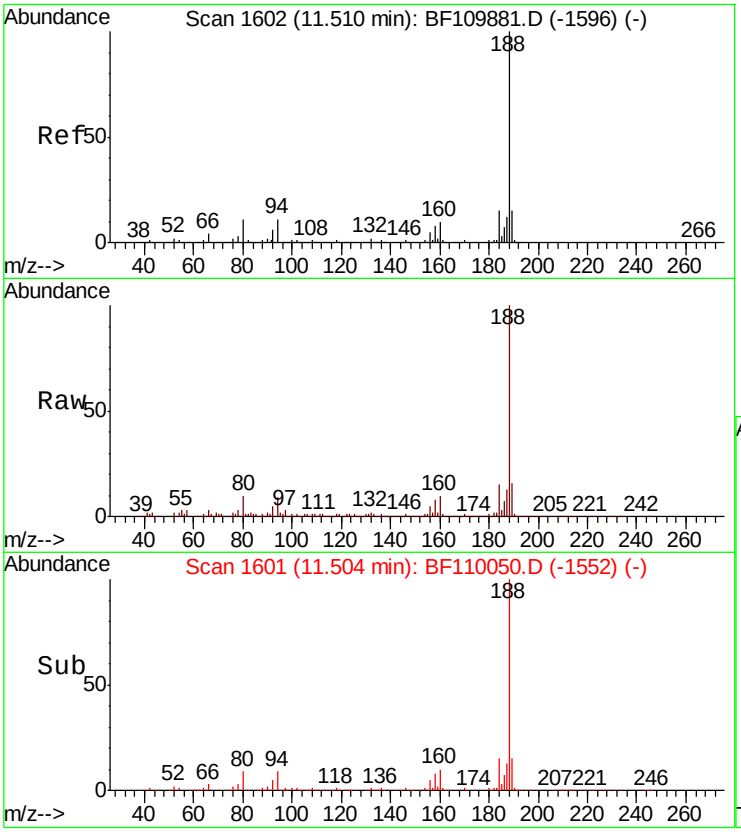


#50
Dimethylphthalate
Concen: 2.994 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.02 min
Lab File: BF110050.D
Acq: 22 Oct 2018 15:50

Tgt Ion:163 Resp: 62370

Ion	Ratio	Lower	Upper
163	100		
194	6.8	3.2	4.8#
164	10.2	8.1	12.1

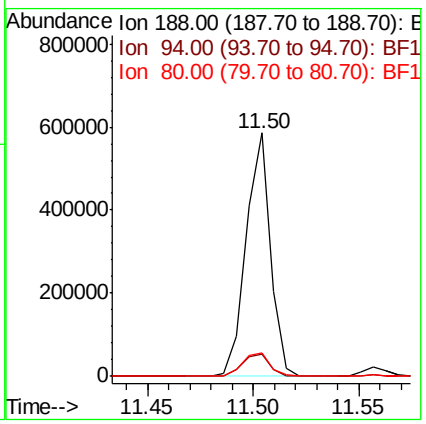




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110050.D
Acq: 22 Oct 2018 15:50

Tgt Ion:188 Resp: 469115

Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.2	10.8
80	9.5	7.9	11.9



Instrument :
BNA_F
ClientSampleId :
HD-02-101918

Manual Integrations APPROVED
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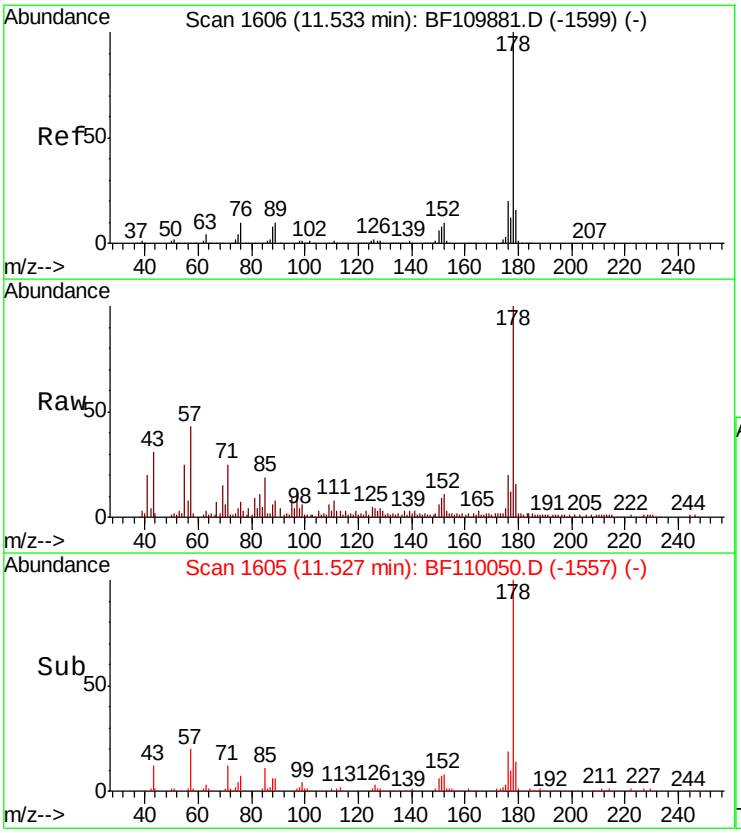
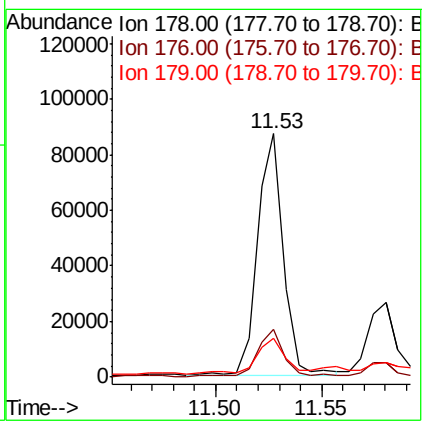
10/23/2018 6:09:45 PM

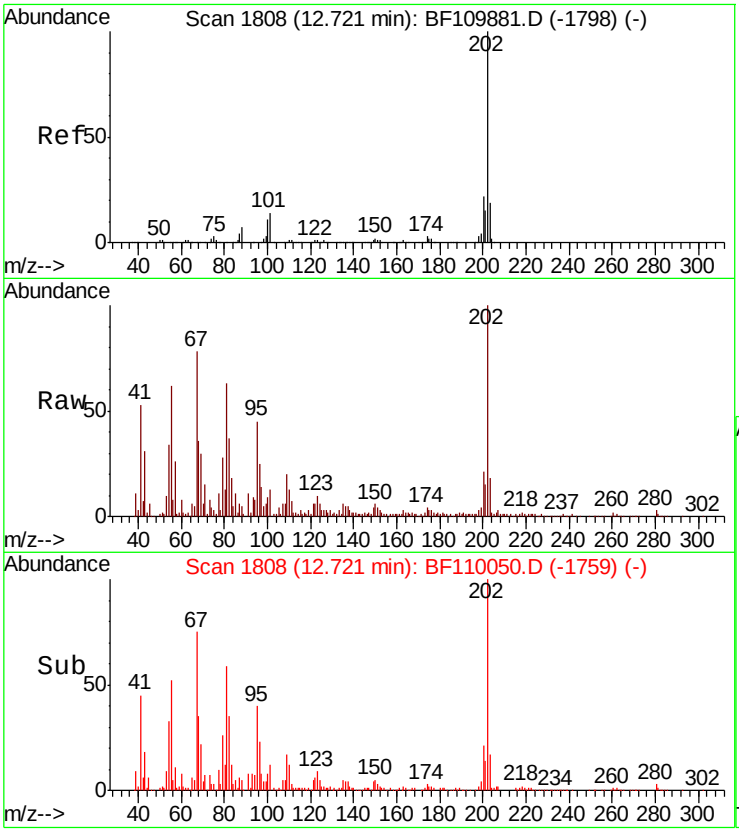


#71
Phenanthrene
Concen: 3.024 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.02 min
Lab File: BF110050.D
Acq: 22 Oct 2018 15:50

Tgt Ion:178 Resp: 73434

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.5	23.3
179	15.7	12.5	18.7

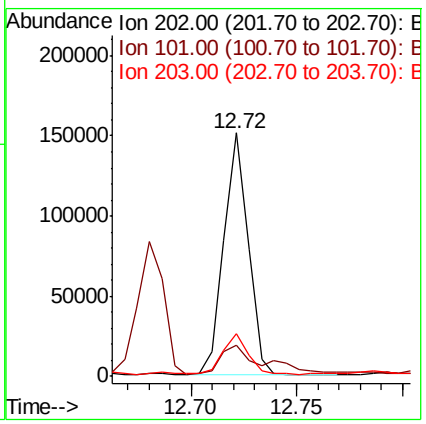




#75
Fluoranthene
Concen: 4.933 ng
RT: 12.72 min Scan# 1808
Delta R.T. -0.01 min
Lab File: BF110050.D
Acq: 22 Oct 2018 15:50

Tgt Ion:202 Resp: 119684

Ion	Ratio	Lower	Upper
202	100		
101	12.7	0.0	31.4
203	17.8	0.0	37.7



Instrument :
BNA_F
ClientSampleId :
HD-02-101918

Manual Integrations APPROVED
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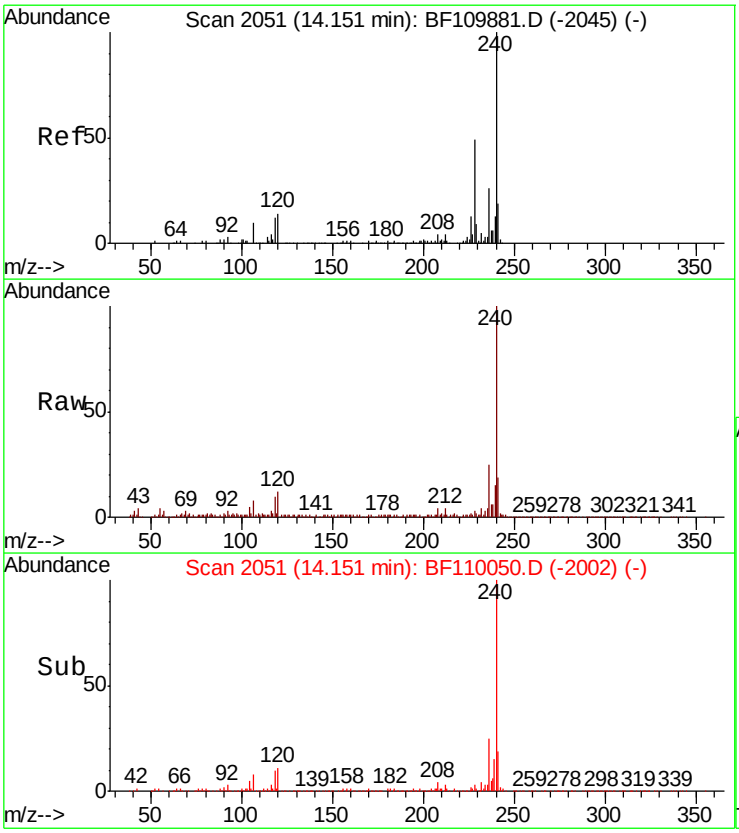
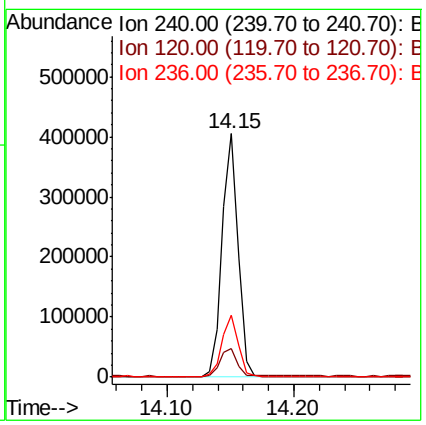
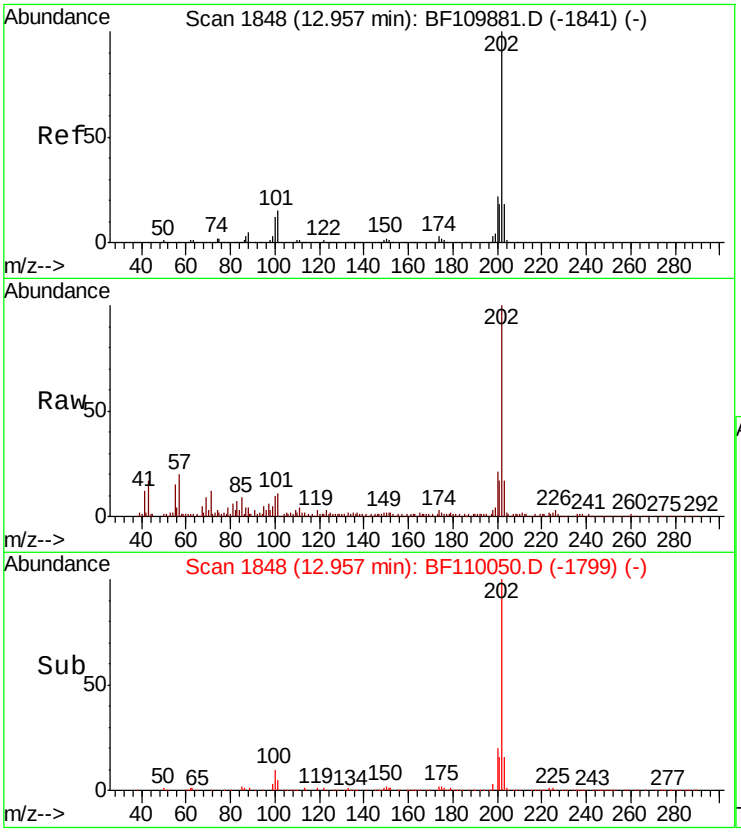


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF110050.D
Acq: 22 Oct 2018 15:50

Tgt Ion:240 Resp: 354467

Ion	Ratio	Lower	Upper
240	100		
120	11.8	8.3	12.5
236	25.2	21.2	31.8

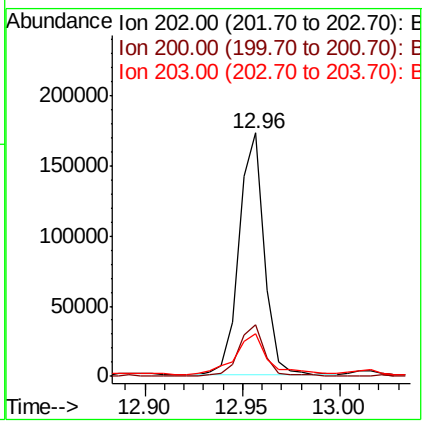




#78
Pyrene
Concen: 5.906 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF110050.D
Acq: 22 Oct 2018 15:50

Tgt Ion:202 Resp: 153772

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.8	26.6
203	17.3	14.2	21.4



Instrument :
BNA_F
ClientSampleId :
HD-02-101918

Manual Integrations APPROVED
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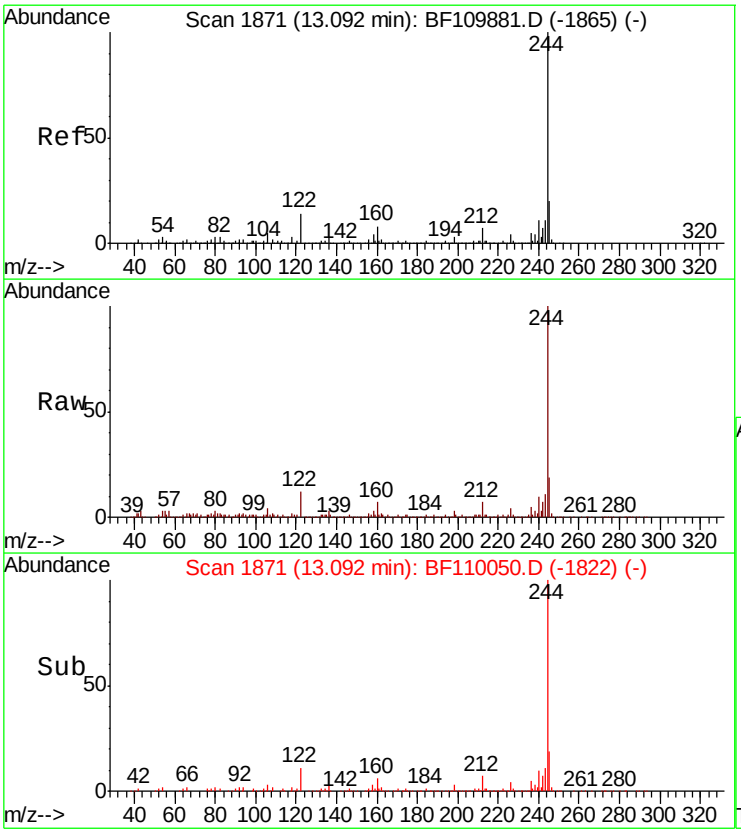
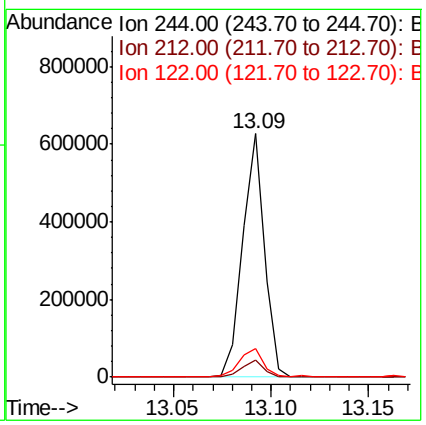
10/23/2018 6:09:45 PM

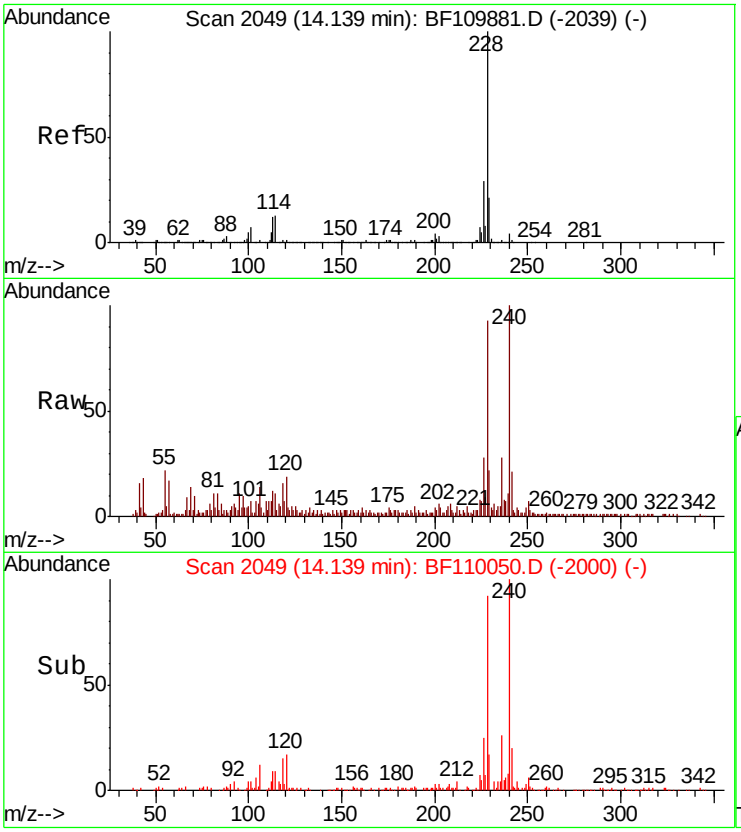


#79
Terphenyl-d14
Concen: 28.787 ng
RT: 13.09 min Scan# 1871
Delta R.T. -0.01 min
Lab File: BF110050.D
Acq: 22 Oct 2018 15:50

Tgt Ion:244 Resp: 485924

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.8	8.8
122	11.5	8.7	13.1





#81
Benzo(a)anthracene
Concen: 3.243 ng
RT: 14.14 min Scan# 2049
Delta R.T. -0.01 min
Lab File: BF110050.D
Acq: 22 Oct 2018 15:50

Tgt Ion:228 Resp: 67710

Ion	Ratio	Lower	Upper
228	100		
226	30.4	22.1	33.1
229	23.4	15.6	23.4

Instrument :
BNA_F
ClientSampleId :
HD-02-101918

Manual Integrations APPROVED
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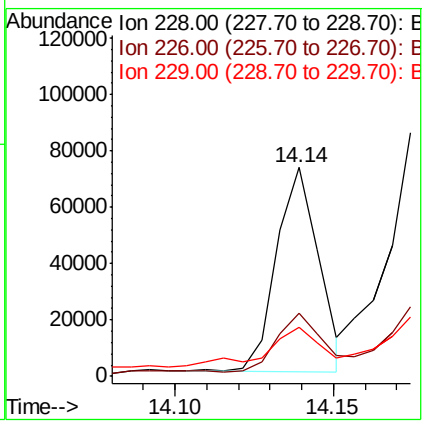
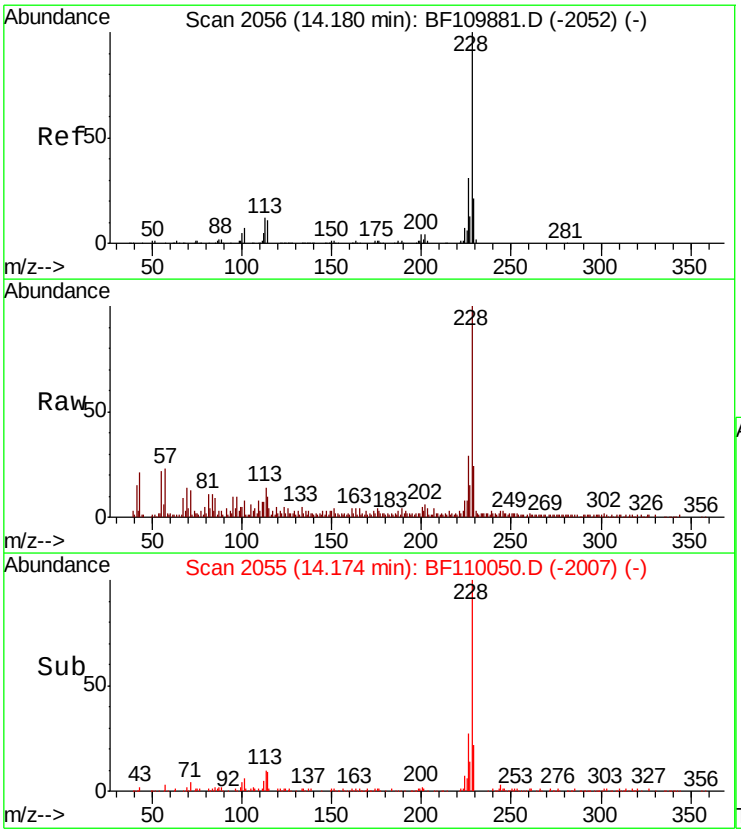
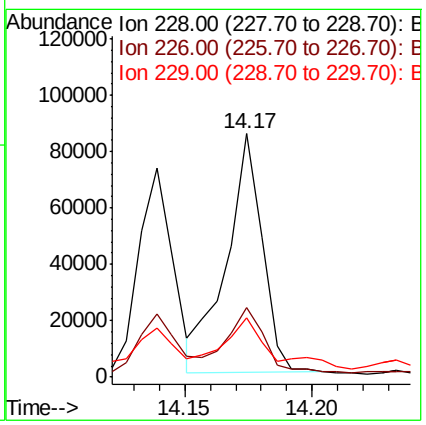


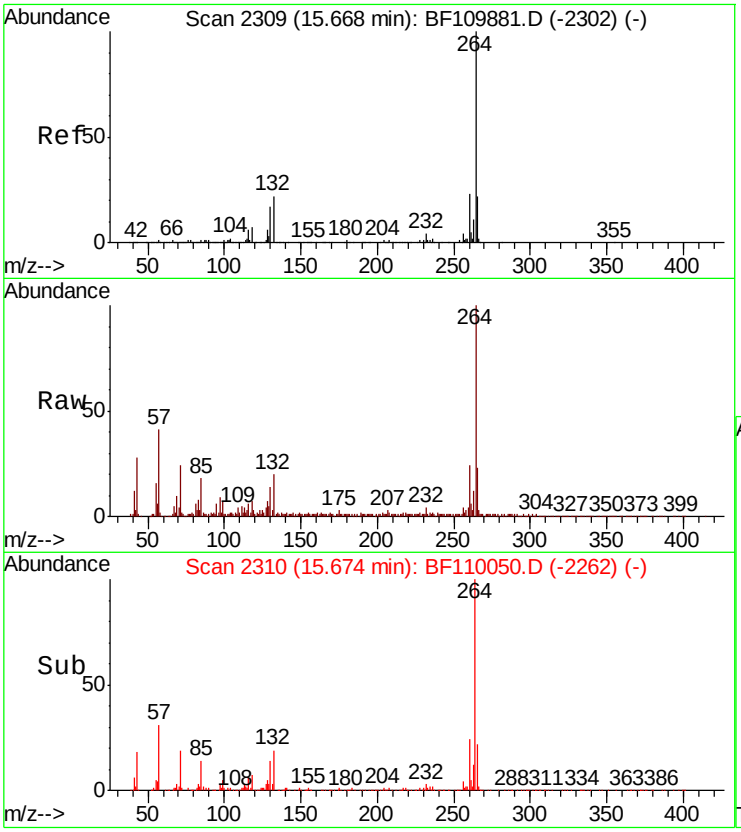


#83
Chrysene
Concen: 4.148 ng m
RT: 14.17 min Scan# 2055
Delta R.T. -0.02 min
Lab File: BF110050.D
Acq: 22 Oct 2018 15:50

Tgt Ion:228 Resp: 82435

Ion	Ratio	Lower	Upper
228	100		
226	28.7	24.7	37.1
229	24.3	15.9	23.9#

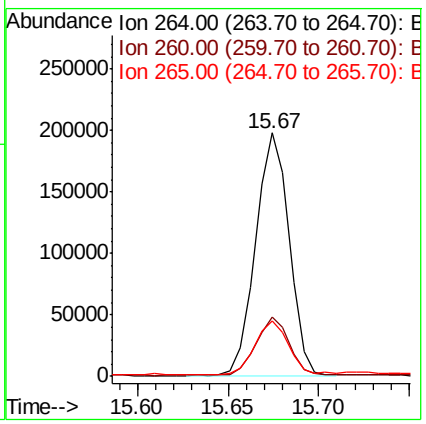




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2310
Delta R.T. -0.02 min
Lab File: BF110050.D
Acq: 22 Oct 2018 15:50

Tgt Ion:264 Resp: 252725

Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.7	28.1
265	22.6	16.7	25.1



Instrument :
BNA_F
ClientSampleId :
HD-02-101918

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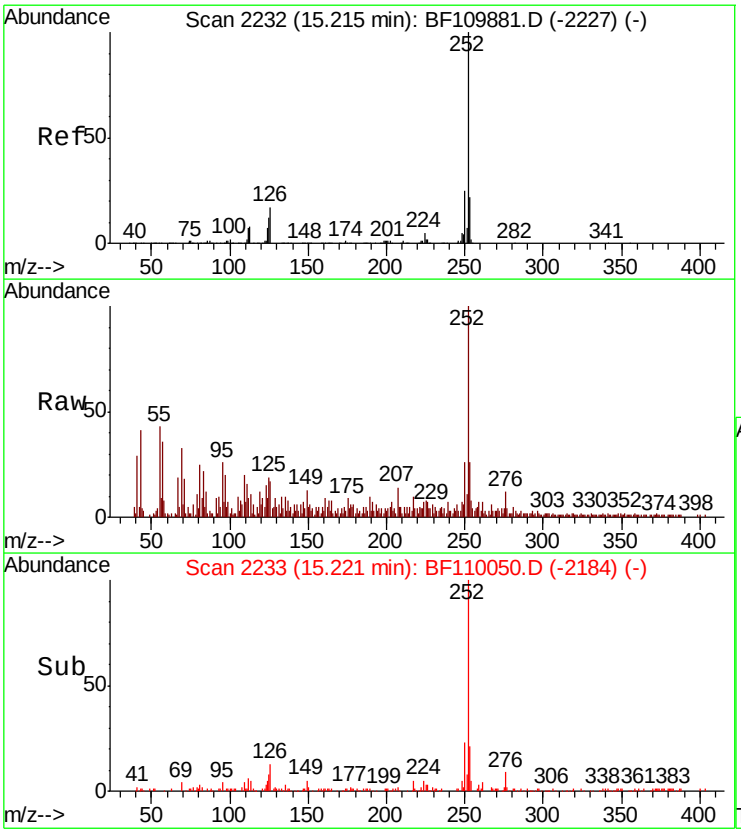
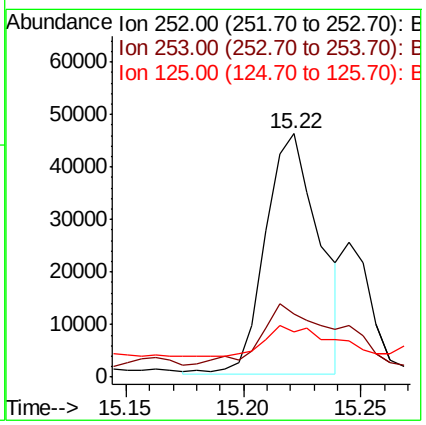
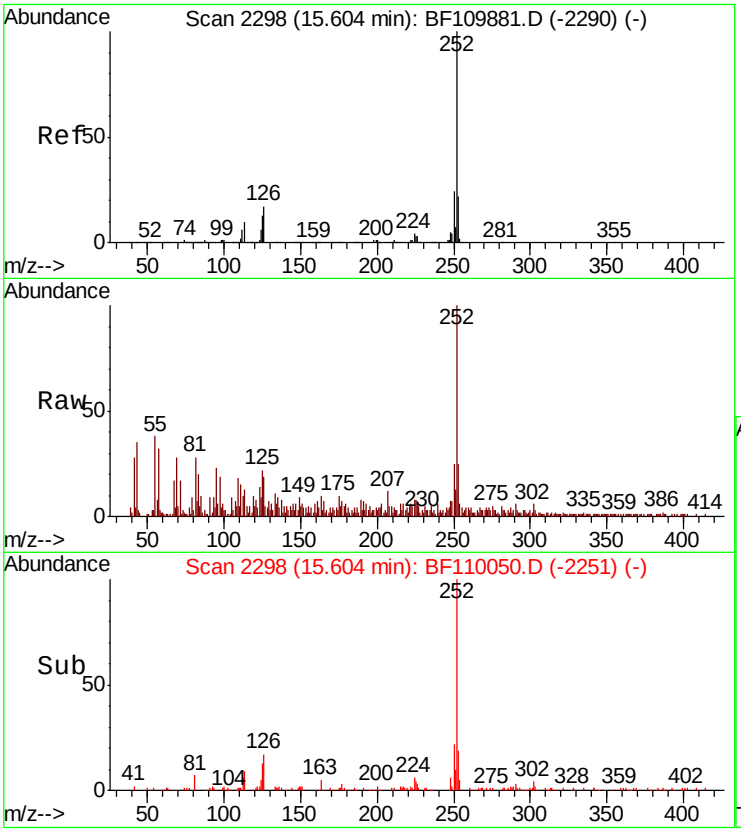


#88
Benzo(b)fluoranthene
Concen: 5.052 ng m
RT: 15.22 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF110050.D
Acq: 22 Oct 2018 15:50

Tgt Ion:252 Resp: 73613

Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.2	25.8#
125	18.7	8.2	12.4#

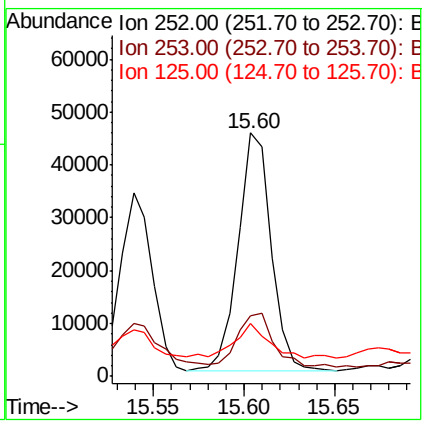




#90
Benzo(a)pyrene
Concen: 4.237 ng
RT: 15.60 min Scan# 2298
Delta R.T. -0.02 min
Lab File: BF110050.D
Acq: 22 Oct 2018 15:50

Tgt Ion:252 Resp: 56780

Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.2	27.4
125	21.7	9.0	13.6#



Instrument :
BNA_F
ClientSampleId :
HD-02-101918

Manual Integrations APPROVED
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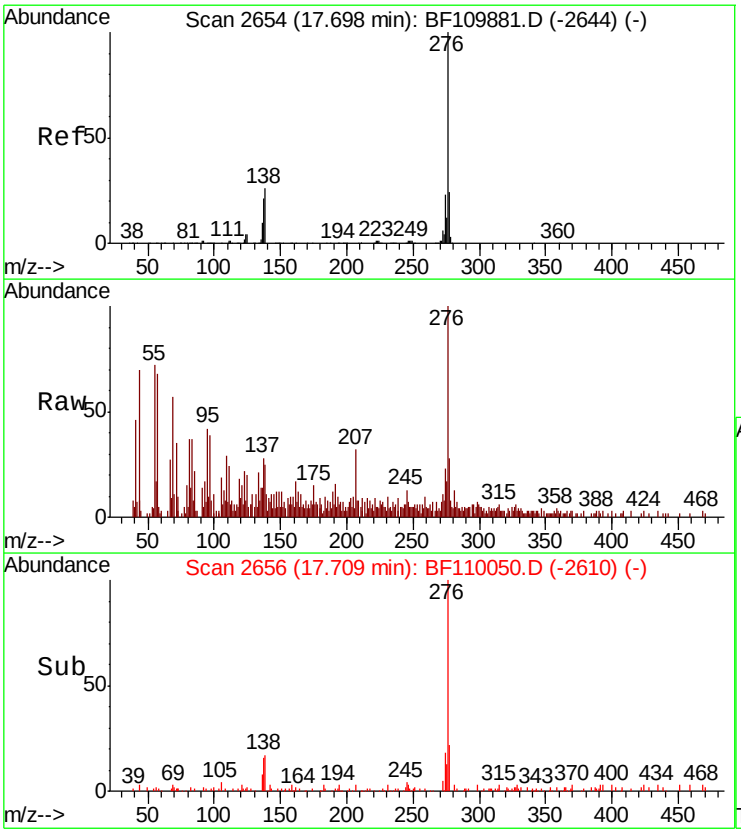

#92
Benzo(g,h,i)perylene
Concen: 2.857 ng
RT: 17.71 min Scan# 2656
Delta R.T. -0.03 min
Lab File: BF110050.D
Acq: 22 Oct 2018 15:50

Tgt Ion:276 Resp: 34286

Ion	Ratio	Lower	Upper
276	100		
277	28.1	18.8	28.2
138	25.2	16.0	24.0#