Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102618\
Data File : BF110222.D
Acq On : 26 Oct 2018 20:58
Operator : JU/SJ
Sample : J5204-11 5X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-02-102518-B

Manual Integrations APPROVED
Sohil
10/29/2018 11:56:45 AM

Quant Time: Oct 27 00:32:44 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 23 15:06:18 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	134579	20.00	ng		-0.01
21) Naphthalene-d8	8.25	136	511121	20.00	ng		-0.02
39) Acenaphthene-d10	10.01	164	193634	20.00	ng		-0.02
64) Phenanthrene-d10	11.50	188	303831	20.00	ng		-0.01
76) Chrysene-d12	14.15	240	221864	20.00	ng		-0.01
87) Perylene-d12	15.68	264	152570	20.00	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.58	112	200591	24.27	ng		-0.02
7) Phenol-d6	6.58	99	250787	23.72	ng		-0.02
23) Nitrobenzene-d5	7.53	82	140953	16.36	ng		-0.02
42) 2,4,6-Tribromophenol	10.80	330	34401	17.94	ng		-0.02
45) 2-Fluorobiphenyl	9.32	172	262811	21.31	ng		-0.02
79) Terphenyl-d14	13.09	244	192438	18.04	ng		-0.02
Target Compounds							Qvalue
37) 2-Methylnaphthalene	8.96	142	36051	2.313	ng		97
38) 1-Methylnaphthalene	9.06	142	35851m	2.380	ng		
52) Acenaphthene	10.05	154	41871	3.412	ng		100
55) Dibenzofuran	10.22	168	43307	2.520	ng		95
58) Fluorene	10.56	166	84816	6.632	ng		98
71) Phenanthrene	11.53	178	507367	31.914	ng		99
72) Anthracene	11.58	178	146221	9.176	ng		98
73) Carbazole	11.73	167	42499	2.732	ng		98
75) Fluoranthene	12.72	202	538772	33.393	ng		99
78) Pyrene	12.96	202	493645	31.036	ng		99
81) Benzo(a)anthracene	14.14	228	209694	15.938	ng		97
83) Chrysene	14.18	228	186295	14.908	ng		96
86) Indeno(1,2,3-cd)pyrene	17.24	276	62127	5.993	ng		99
88) Benzo(b)fluoranthene	15.23	252	165087m	18.738	ng		
89) Benzo(k)fluoranthene	15.25	252	54076m	6.243	ng		
90) Benzo(a)pyrene	15.62	252	115568	14.255	ng	#	98
91) Dibenzo(a,h)anthracene	17.26	278	18077	2.584	ng	#	74
92) Benzo(g,h,i)perylene	17.72	276	59601	8.647	ng	#	94

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

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Instrument :
BNA_F
ClientSampleId :
SU-02-102518-B

Manual Integrations APPROVED
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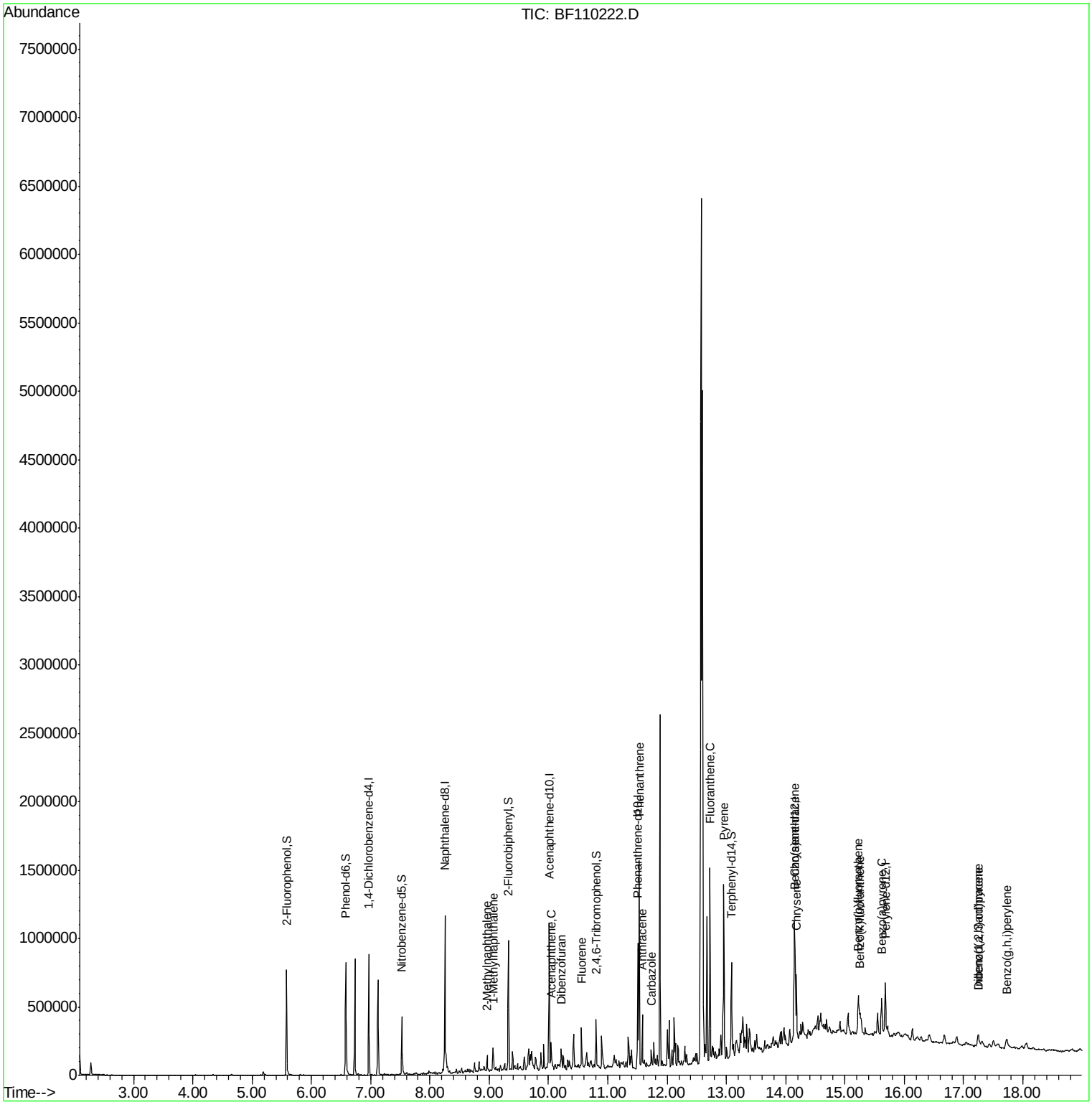
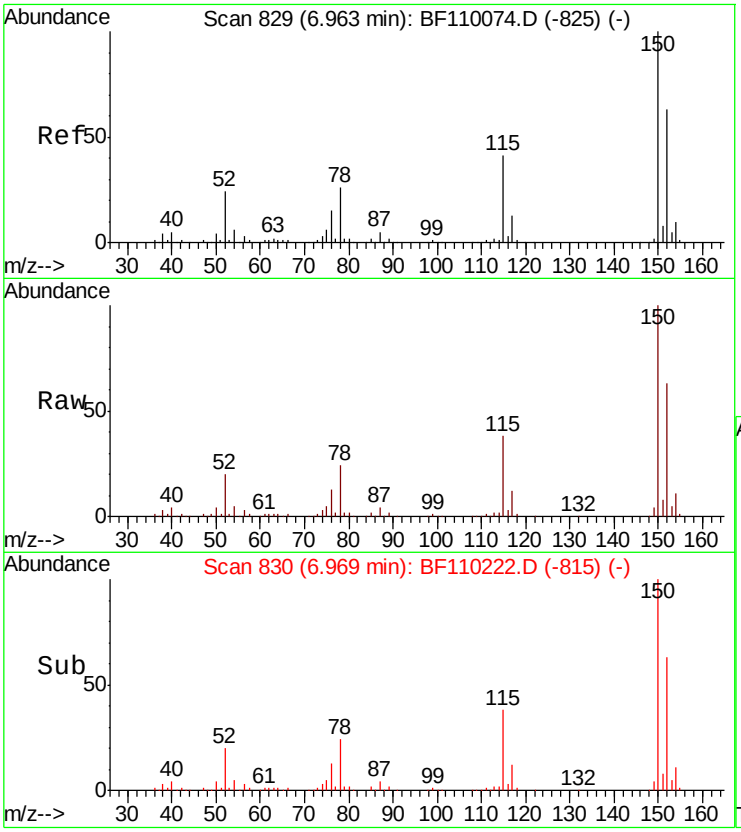
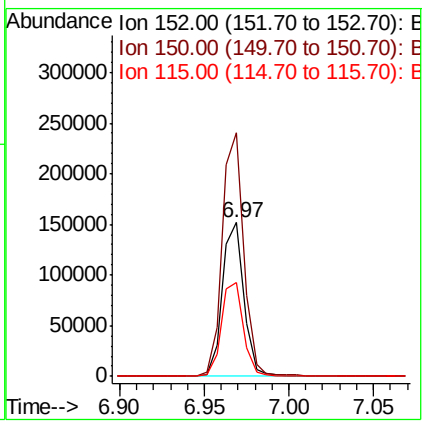




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF110222.D
Acq: 26 Oct 2018 20:58

Tgt Ion:152 Resp: 134579

Ion	Ratio	Lower	Upper
152	100		
150	158.1	122.7	184.1
115	60.7	49.1	73.7



Instrument :
BNA_F
ClientSampleId :
SU-02-102518-B

Manual Integrations APPROVED
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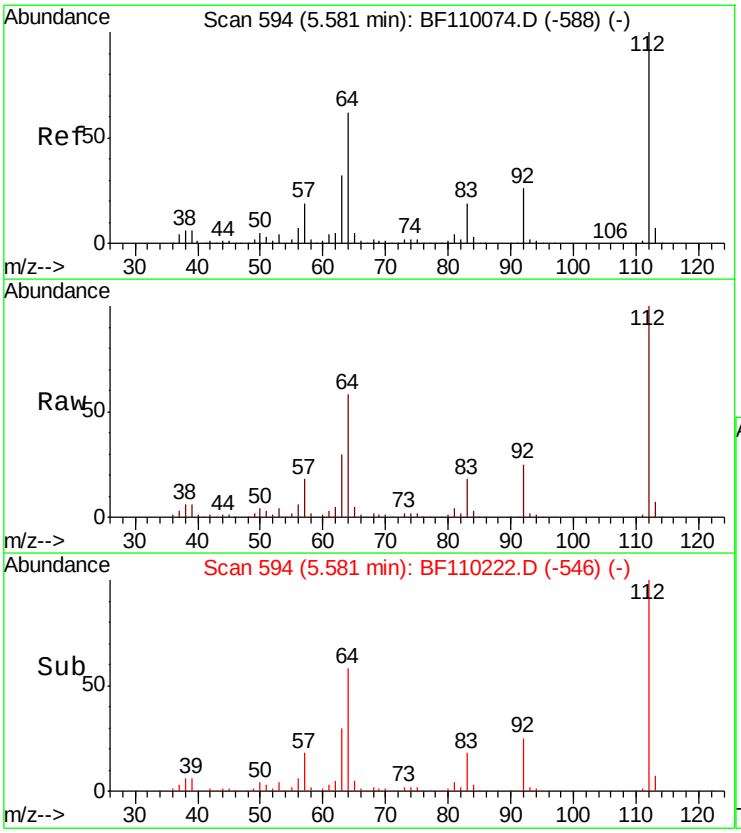
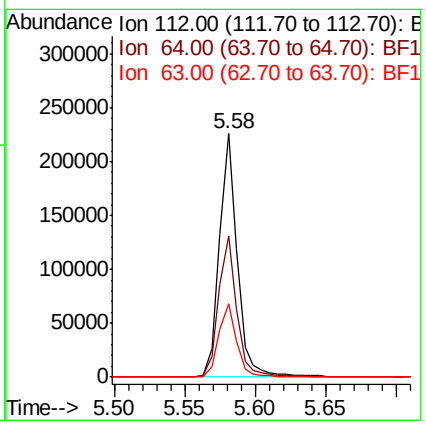
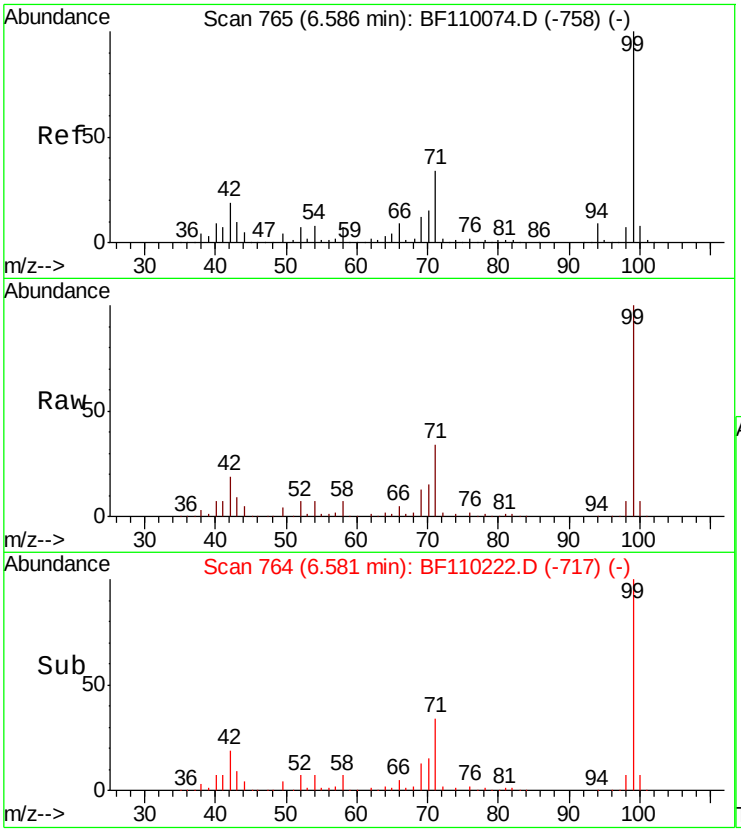


#5
2-Fluorophenol
Concen: 24.272 ng
RT: 5.58 min Scan# 594
Delta R.T. -0.02 min
Lab File: BF110222.D
Acq: 26 Oct 2018 20:58

Tgt Ion:112 Resp: 200591

Ion	Ratio	Lower	Upper
112	100		
64	57.9	44.1	66.1
63	30.4	23.7	35.5

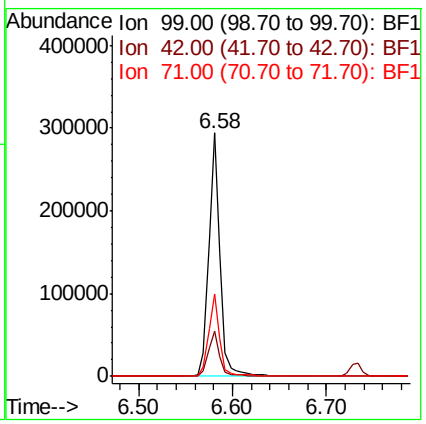




#7
Phenol-d6
Concen: 23.725 ng
RT: 6.58 min Scan# 764
Delta R.T. -0.02 min
Lab File: BF110222.D
Acq: 26 Oct 2018 20:58

Tgt Ion: 99 Resp: 250787

Ion	Ratio	Lower	Upper
99	100		
42	18.6	15.8	23.6
71	33.8	28.0	42.0



Instrument :
BNA_F
ClientSampleId :
SU-02-102518-B

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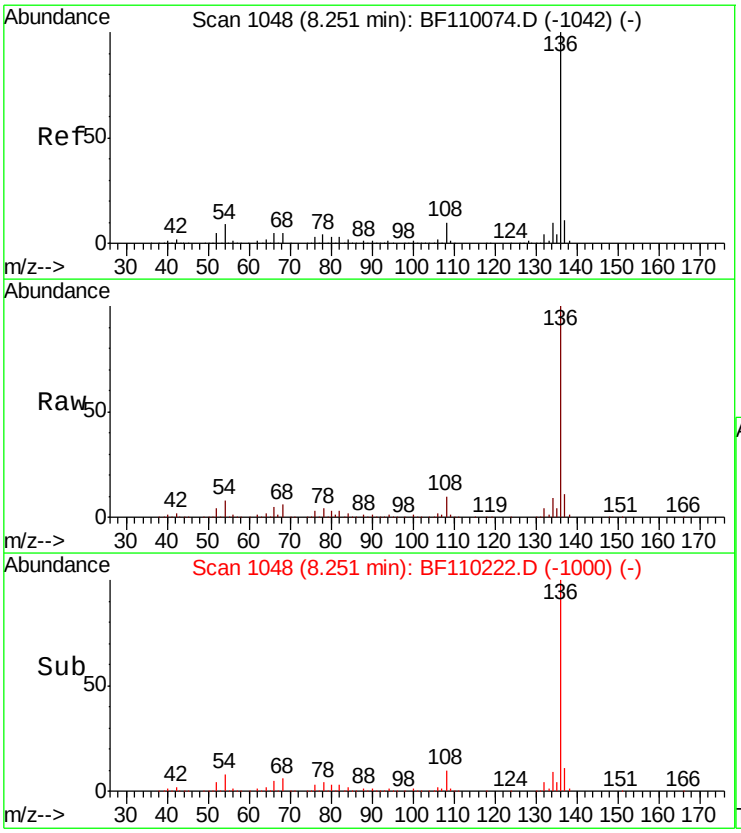
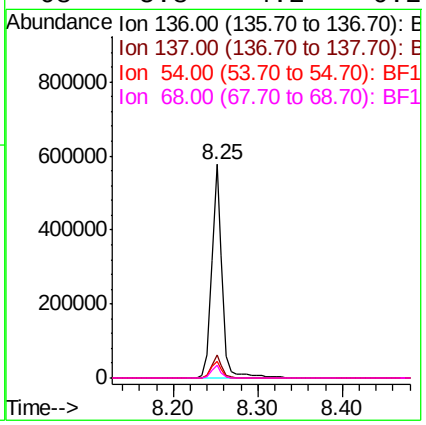
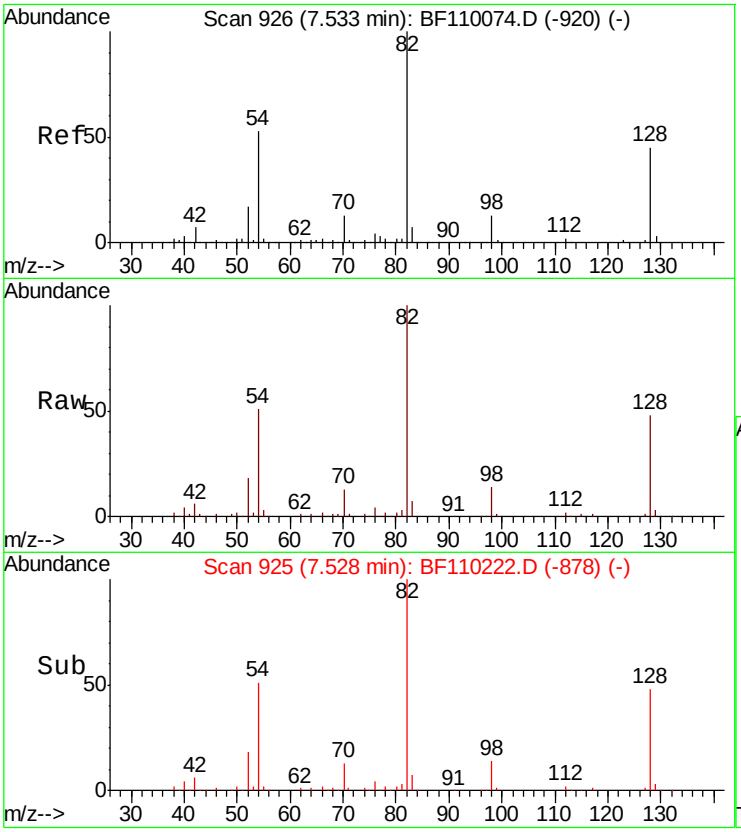


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. -0.02 min
Lab File: BF110222.D
Acq: 26 Oct 2018 20:58

Tgt Ion:136 Resp: 511121

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	8.1	5.4	8.2
68	5.8	4.2	6.2

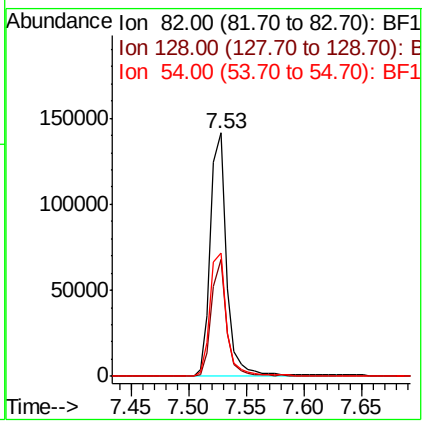




#23
Nitrobenzene-d5
Concen: 16.357 ng
RT: 7.53 min Scan# 925
Delta R.T. -0.02 min
Lab File: BF110222.D
Acq: 26 Oct 2018 20:58

Tgt Ion: 82 Resp: 140953

Ion	Ratio	Lower	Upper
82	100		
128	48.2	34.2	51.2
54	50.8	38.6	58.0



Instrument :
BNA_F
ClientSampleId :
SU-02-102518-B

Manual Integrations APPROVED
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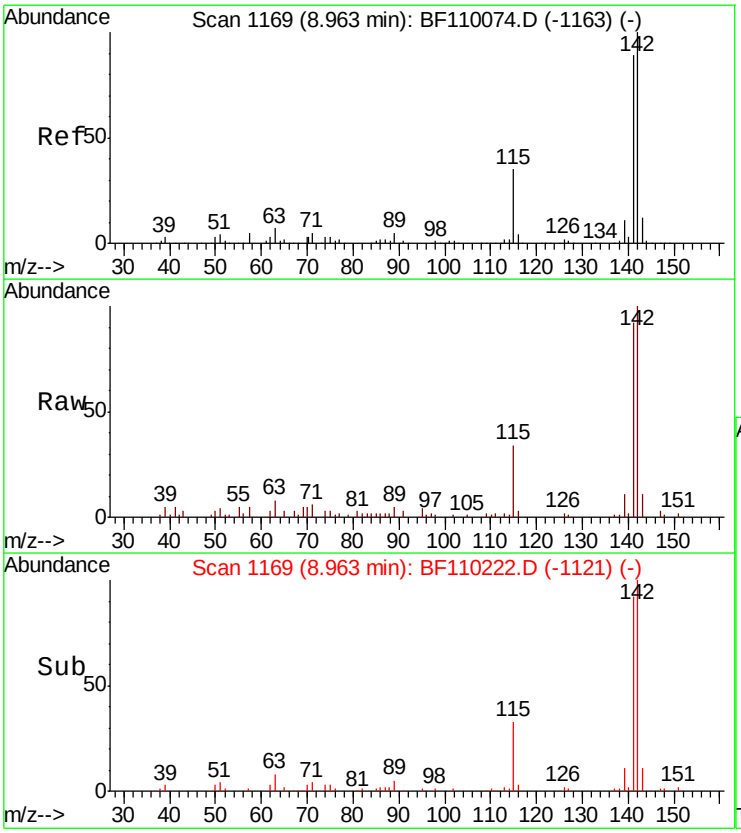
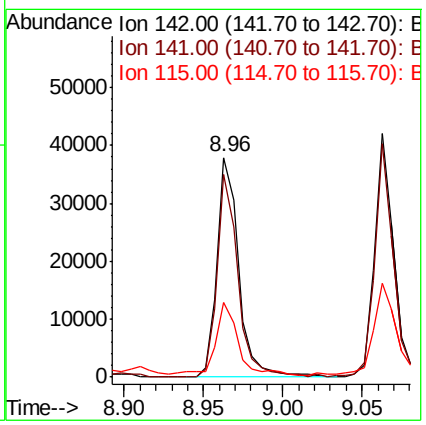
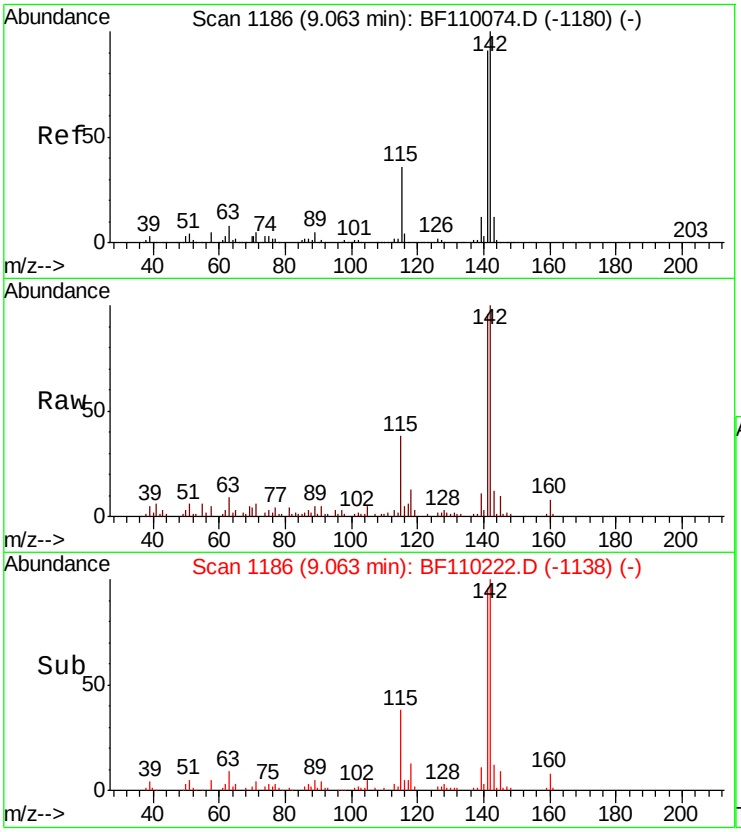


#37
2-Methylnaphthalene
Concen: 2.313 ng
RT: 8.96 min Scan# 1169
Delta R.T. -0.02 min
Lab File: BF110222.D
Acq: 26 Oct 2018 20:58

Tgt Ion:142 Resp: 36051

Ion	Ratio	Lower	Upper
142	100		
141	92.2	71.4	107.2
115	34.2	28.7	43.1

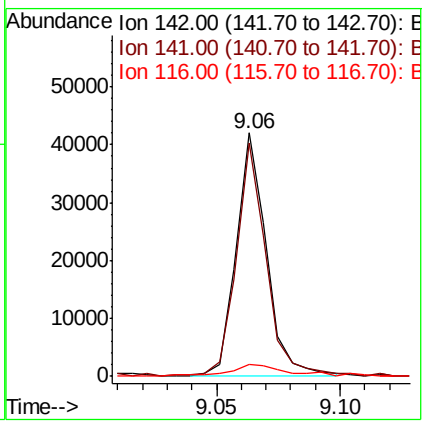




#38
1-Methylnaphthalene
Concen: 2.380 ng m
RT: 9.06 min Scan# 1186
Delta R.T. -0.02 min
Lab File: BF110222.D
Acq: 26 Oct 2018 20:58

Tgt Ion:142 Resp: 35851

Ion	Ratio	Lower	Upper
142	100		
141	95.9	74.2	111.4
116	4.9	2.6	4.0#



Instrument :
BNA_F
ClientSampleId :
SU-02-102518-B

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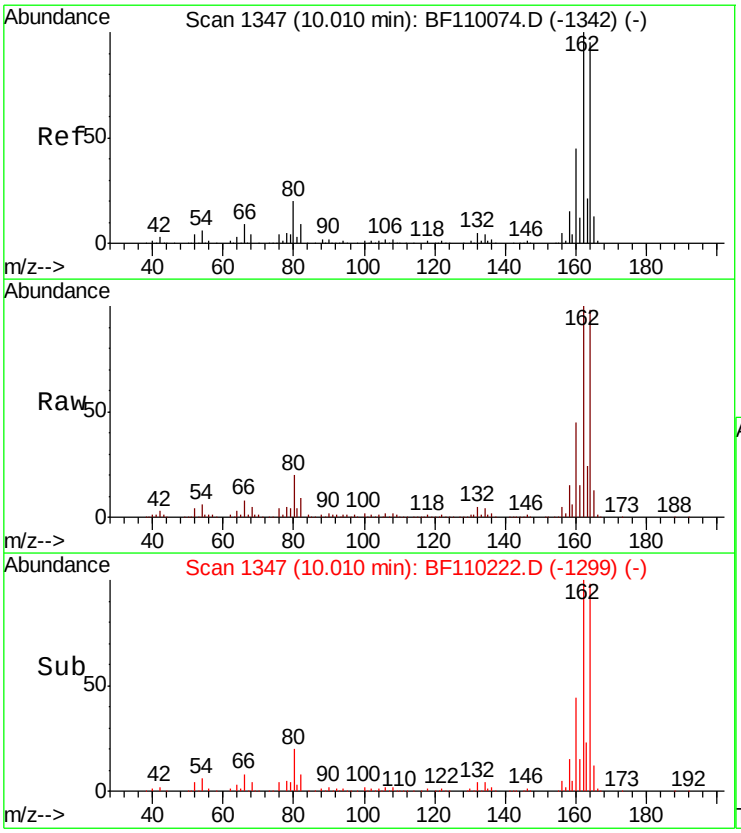
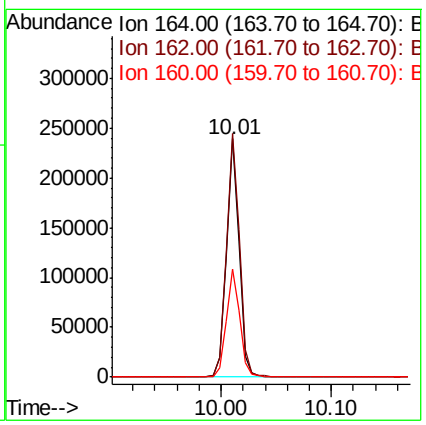
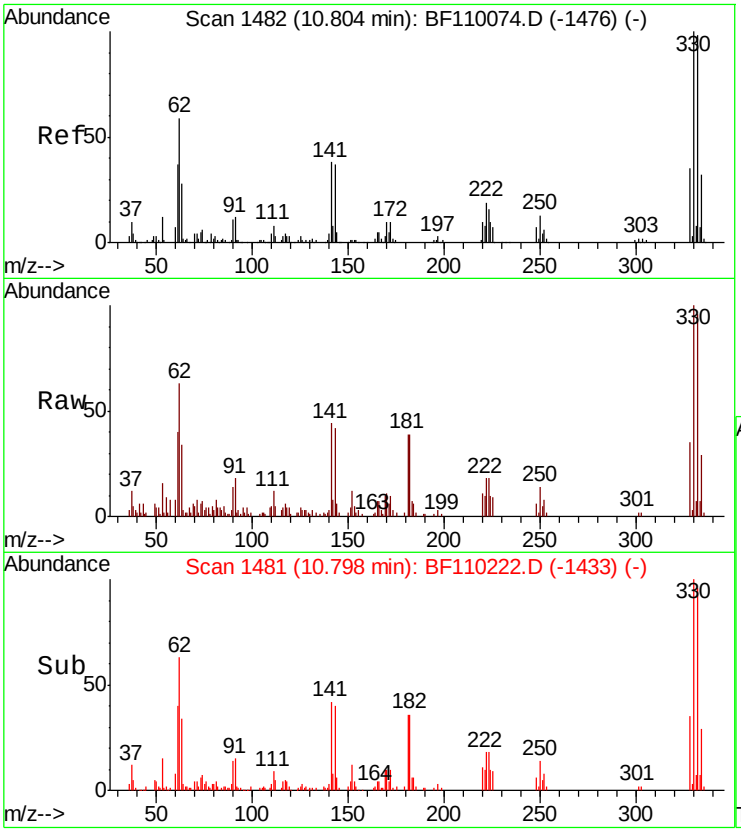


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1347
Delta R.T. -0.02 min
Lab File: BF110222.D
Acq: 26 Oct 2018 20:58

Tgt Ion:164 Resp: 193634

Ion	Ratio	Lower	Upper
164	100		
162	102.1	83.0	124.6
160	45.5	37.0	55.6

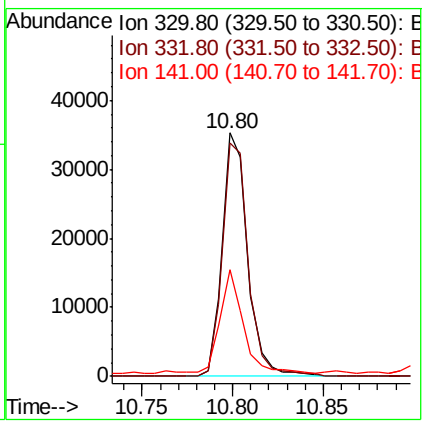




#42
2,4,6-Tribromophenol
Concen: 17.935 ng
RT: 10.80 min Scan# 1481
Delta R.T. -0.02 min
Lab File: BF110222.D
Acq: 26 Oct 2018 20:58

Tgt Ion:330 Resp: 34401

Ion	Ratio	Lower	Upper
330	100		
332	98.4	77.1	115.7
141	37.9	27.0	40.4



Instrument :
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ClientSampleId :
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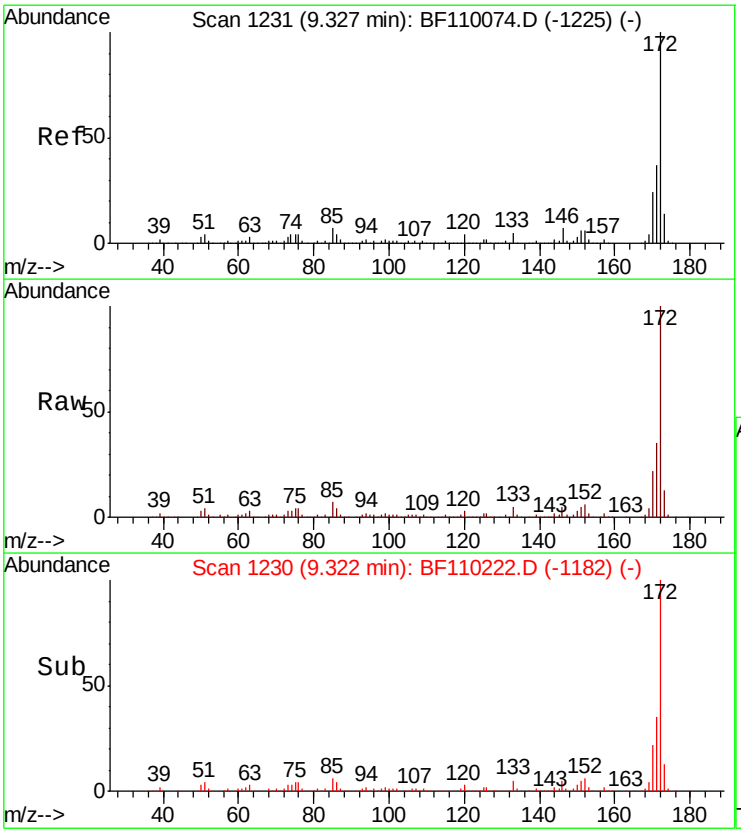
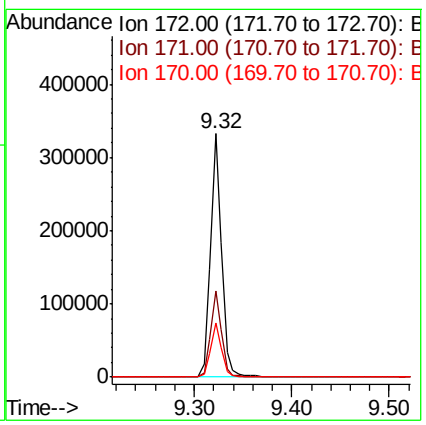
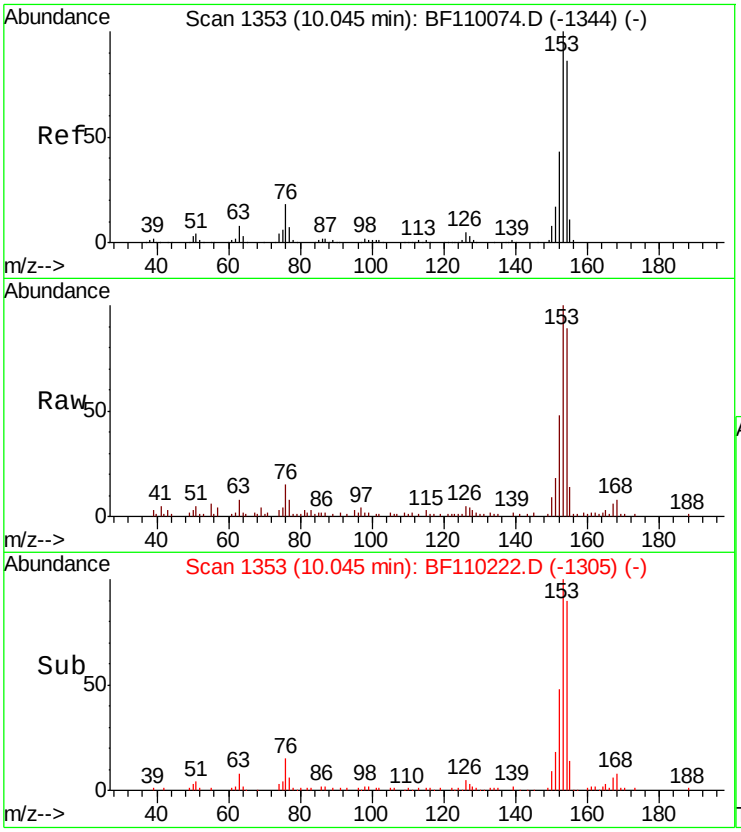


#45
2-Fluorobiphenyl
Concen: 21.312 ng
RT: 9.32 min Scan# 1230
Delta R.T. -0.02 min
Lab File: BF110222.D
Acq: 26 Oct 2018 20:58

Tgt Ion:172 Resp: 262811

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.6	43.0
170	22.1	19.7	29.5

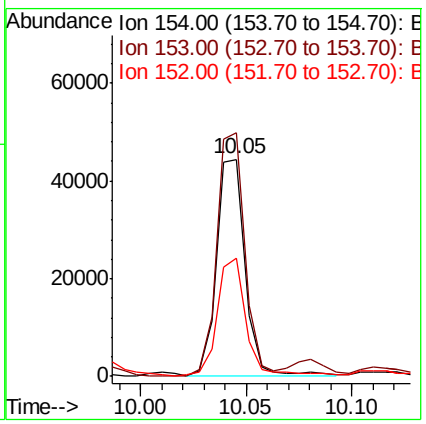




#52
Acenaphthene
Concen: 3.412 ng
RT: 10.05 min Scan# 1353
Delta R.T. -0.02 min
Lab File: BF110222.D
Acq: 26 Oct 2018 20:58

Tgt Ion:154 Resp: 41871

Ion	Ratio	Lower	Upper
154	100		
153	112.2	90.1	135.1
152	54.2	43.4	65.2



Instrument :
BNA_F
ClientSampleId :
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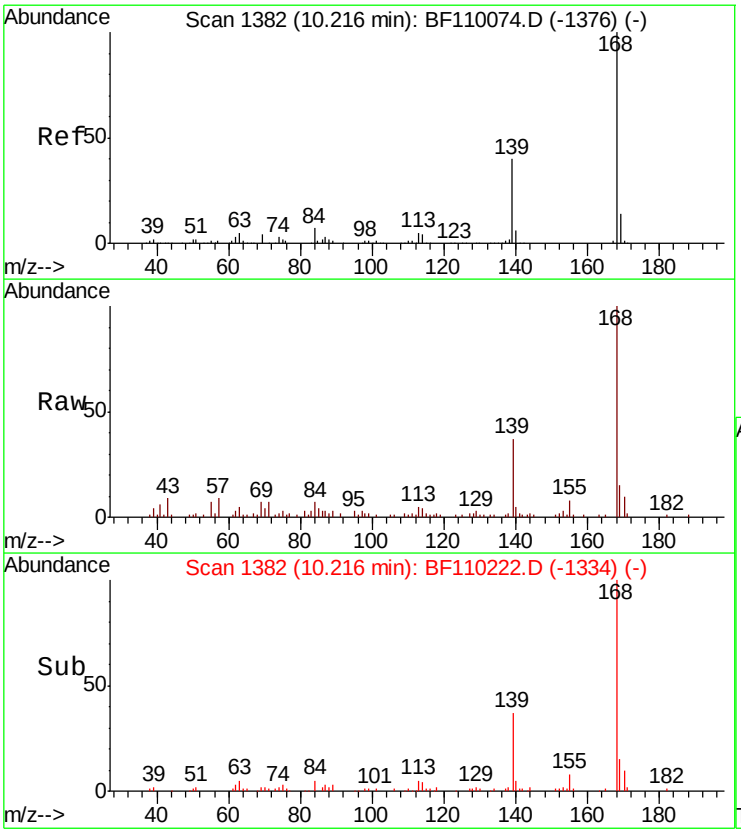
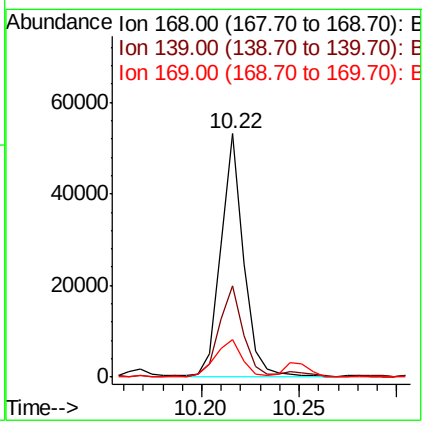
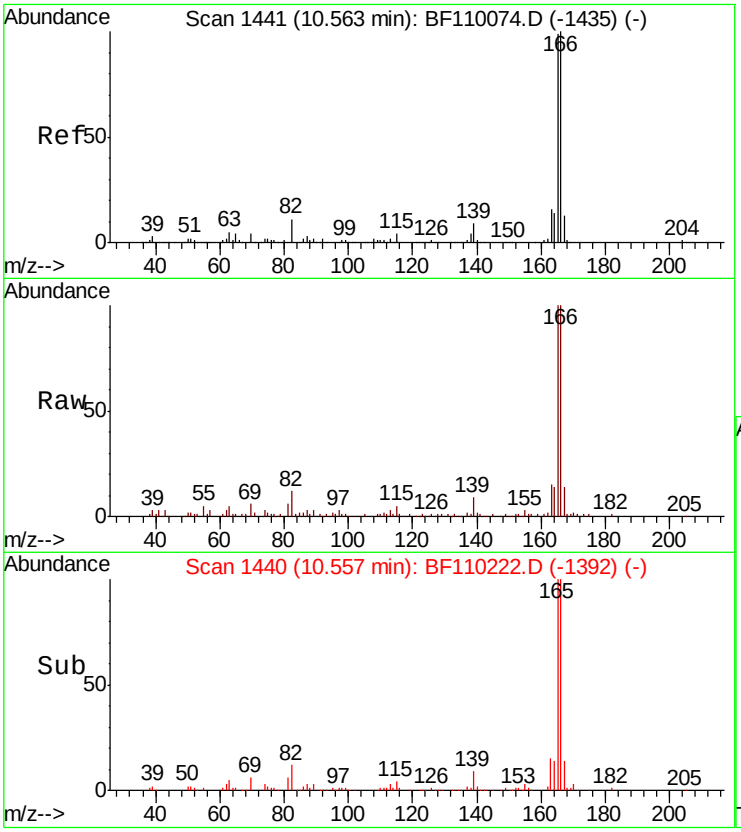


#55
Dibenzofuran
Concen: 2.520 ng
RT: 10.22 min Scan# 1382
Delta R.T. -0.02 min
Lab File: BF110222.D
Acq: 26 Oct 2018 20:58

Tgt Ion:168 Resp: 43307

Ion	Ratio	Lower	Upper
168	100		
139	37.4	33.0	49.6
169	15.2	11.3	16.9

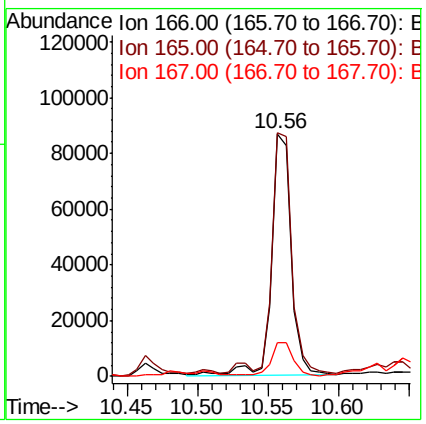




#58
Fluorene
Concen: 6.632 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.02 min
Lab File: BF110222.D
Acq: 26 Oct 2018 20:58

Tgt Ion:166 Resp: 84816

Ion	Ratio	Lower	Upper
166	100		
165	100.4	78.6	117.8
167	14.1	10.8	16.2



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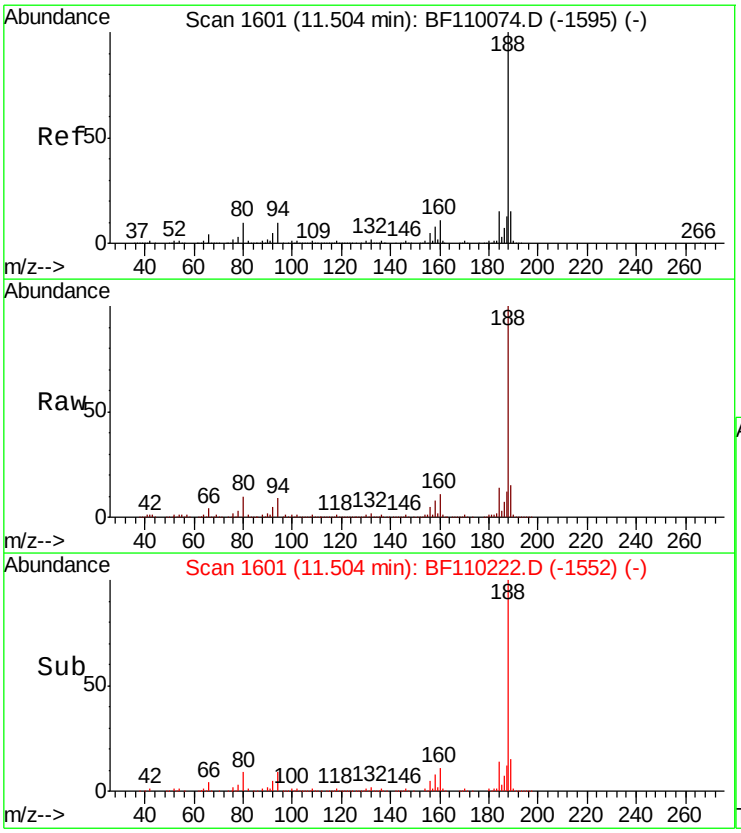
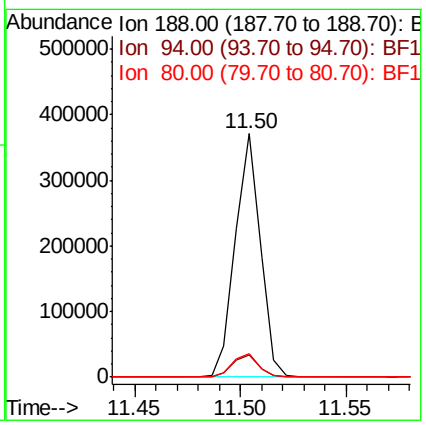
10/29/2018 11:56:45 AM

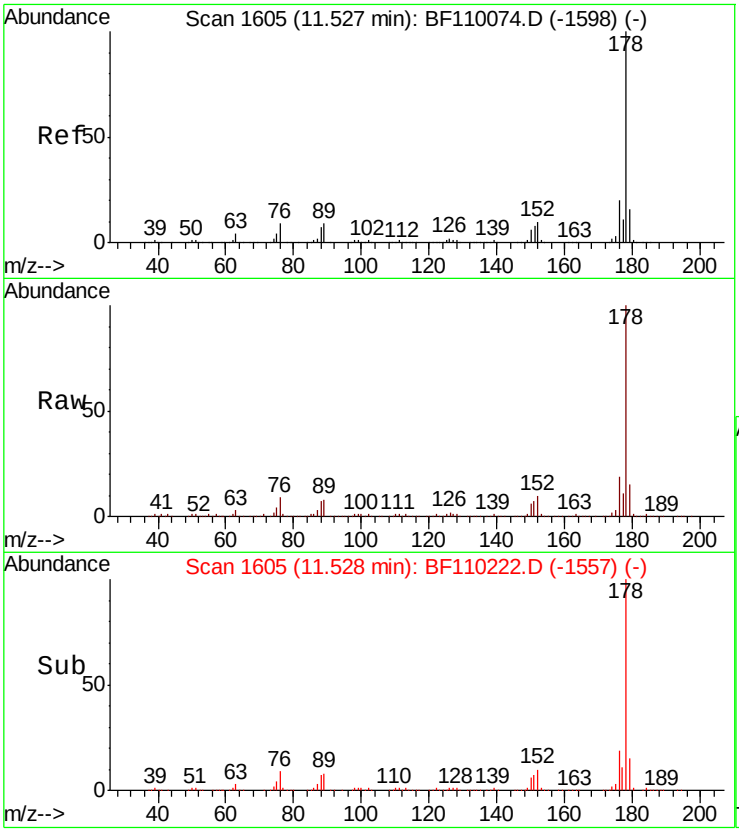


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF110222.D
Acq: 26 Oct 2018 20:58

Tgt Ion:188 Resp: 303831

Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.2	10.8
80	9.6	7.9	11.9

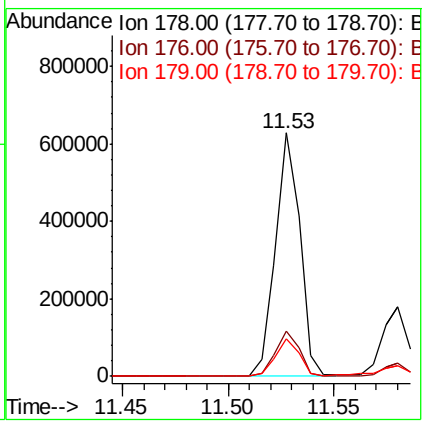




#71
Phenanthrene
Concen: 31.914 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.02 min
Lab File: BF110222.D
Acq: 26 Oct 2018 20:58

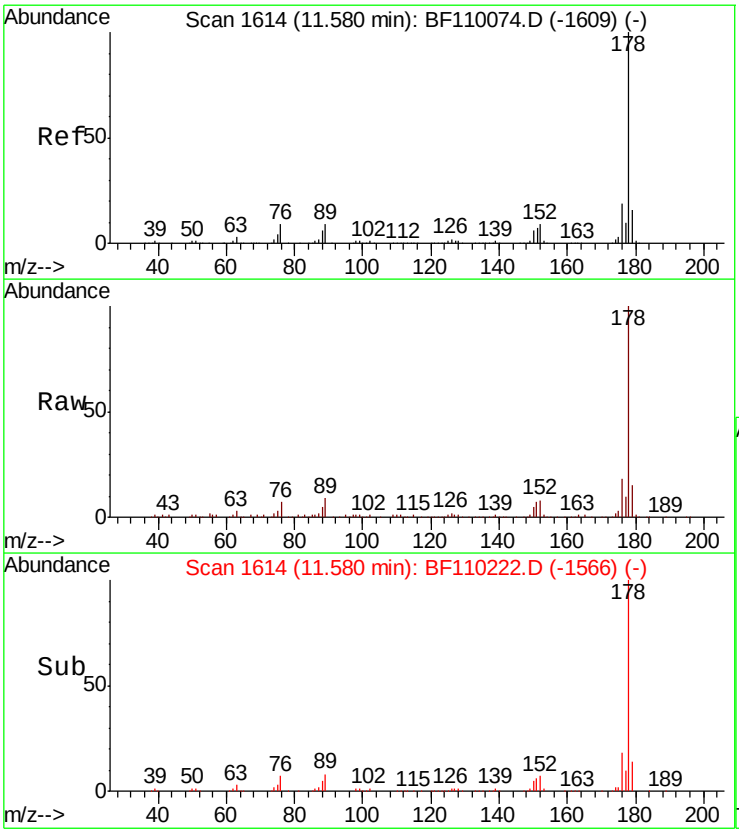
Tgt Ion:178 Resp: 507367

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.5	23.3
179	15.3	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
SU-02-102518-B

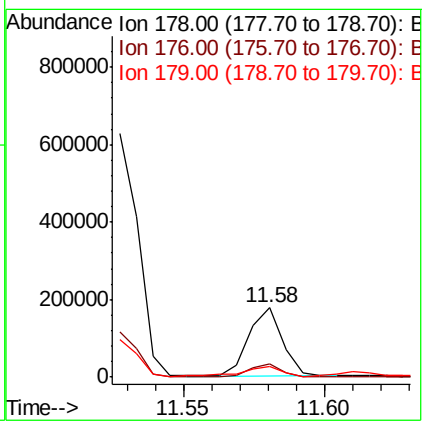
Manual Integrations APPROVED
Sohil
10/29/2018 11:56:45 AM

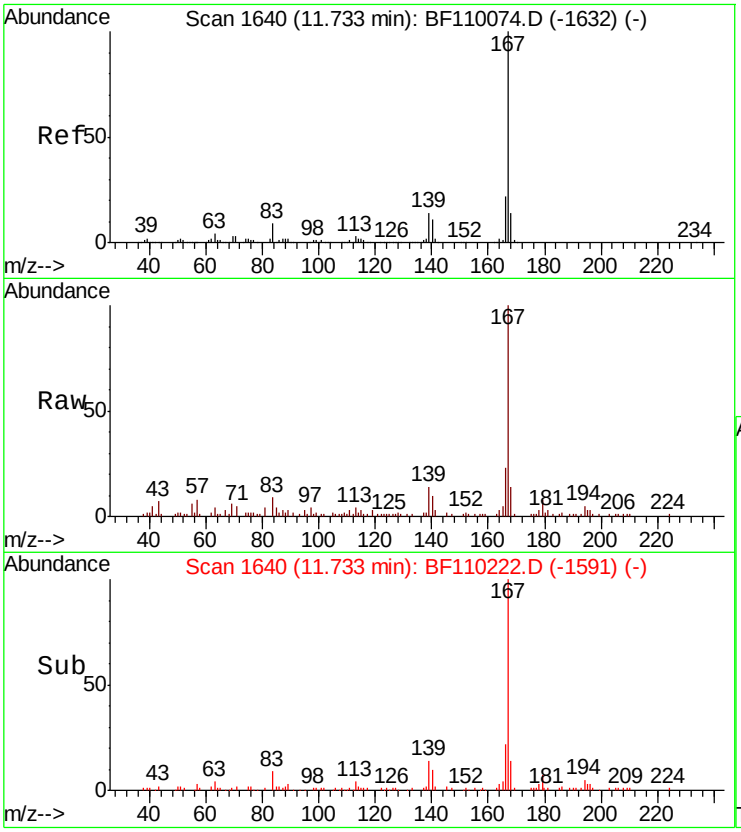


#72
Anthracene
Concen: 9.176 ng
RT: 11.58 min Scan# 1614
Delta R.T. -0.02 min
Lab File: BF110222.D
Acq: 26 Oct 2018 20:58

Tgt Ion:178 Resp: 146221

Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	14.5	12.6	18.8

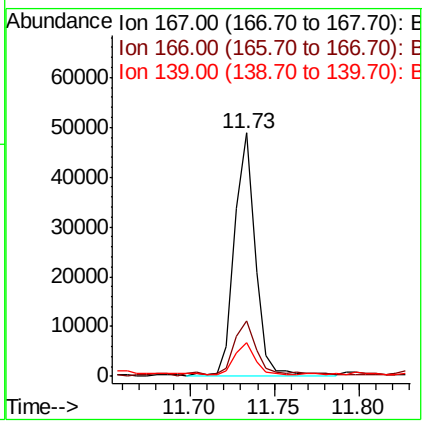




#73
Carbazole
Concen: 2.732 ng
RT: 11.73 min Scan# 1640
Delta R.T. -0.01 min
Lab File: BF110222.D
Acq: 26 Oct 2018 20:58

Tgt Ion:167 Resp: 42499

Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.4	26.0
139	14.1	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
SU-02-102518-B

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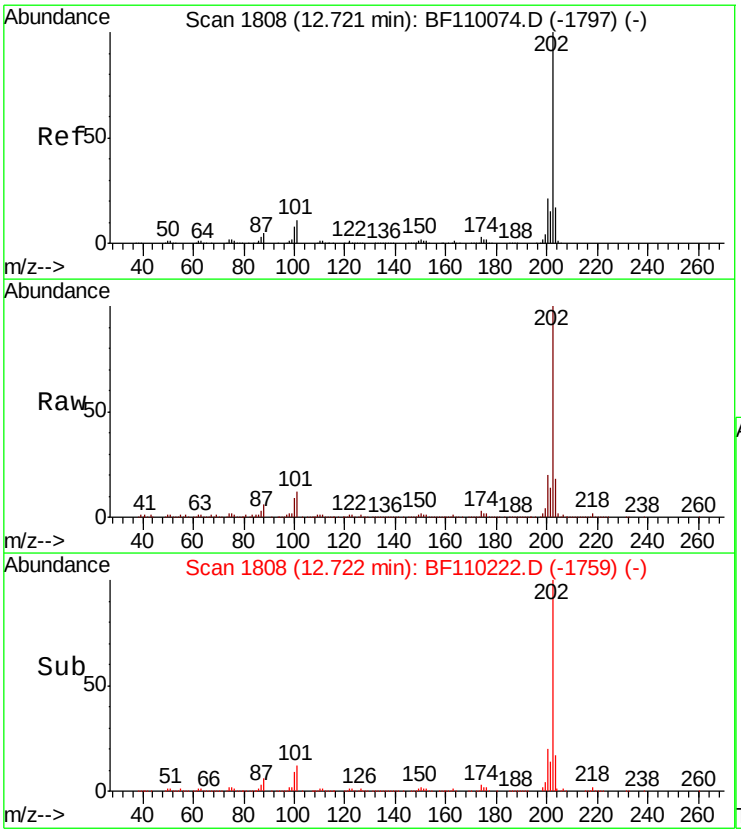
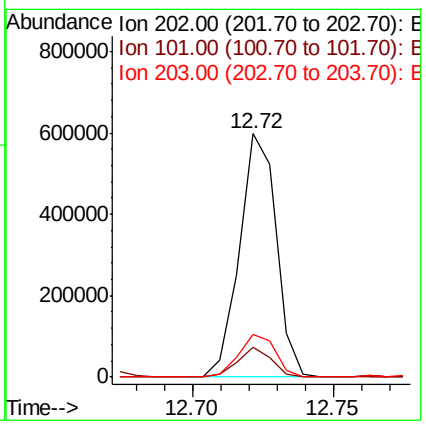
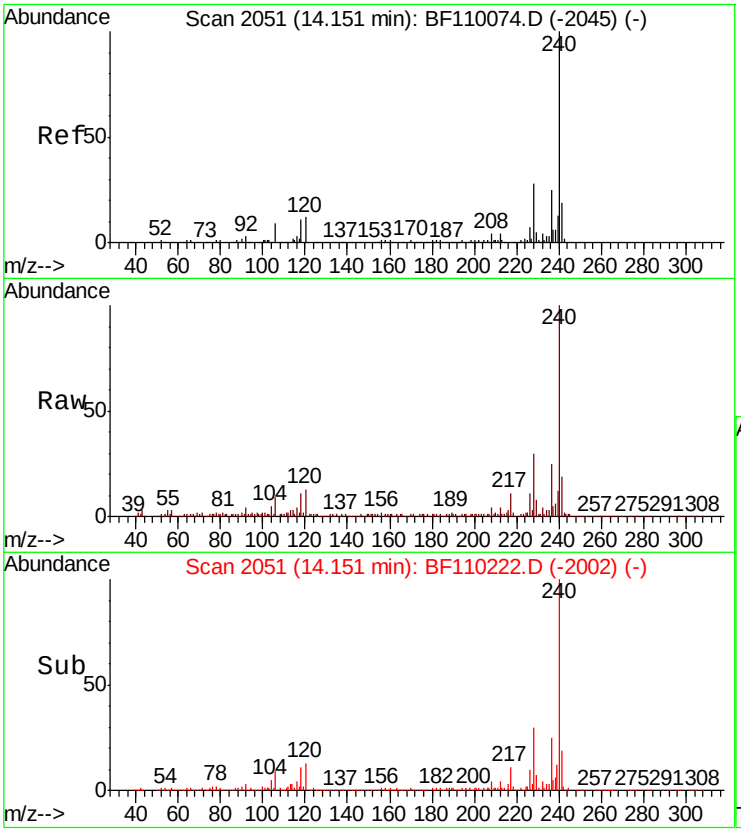


#75
Fluoranthene
Concen: 33.393 ng
RT: 12.72 min Scan# 1808
Delta R.T. -0.01 min
Lab File: BF110222.D
Acq: 26 Oct 2018 20:58

Tgt Ion:202 Resp: 538772

Ion	Ratio	Lower	Upper
202	100		
101	12.4	0.0	31.4
203	17.5	0.0	37.7

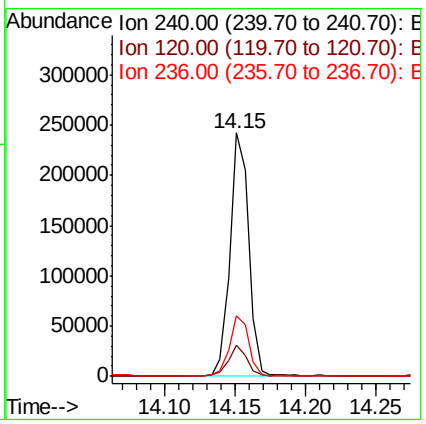




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF110222.D
Acq: 26 Oct 2018 20:58

Tgt Ion:240 Resp: 221864

Ion	Ratio	Lower	Upper
240	100		
120	12.9	8.3	12.5#
236	25.0	21.2	31.8



Instrument :
BNA_F
ClientSampleId :
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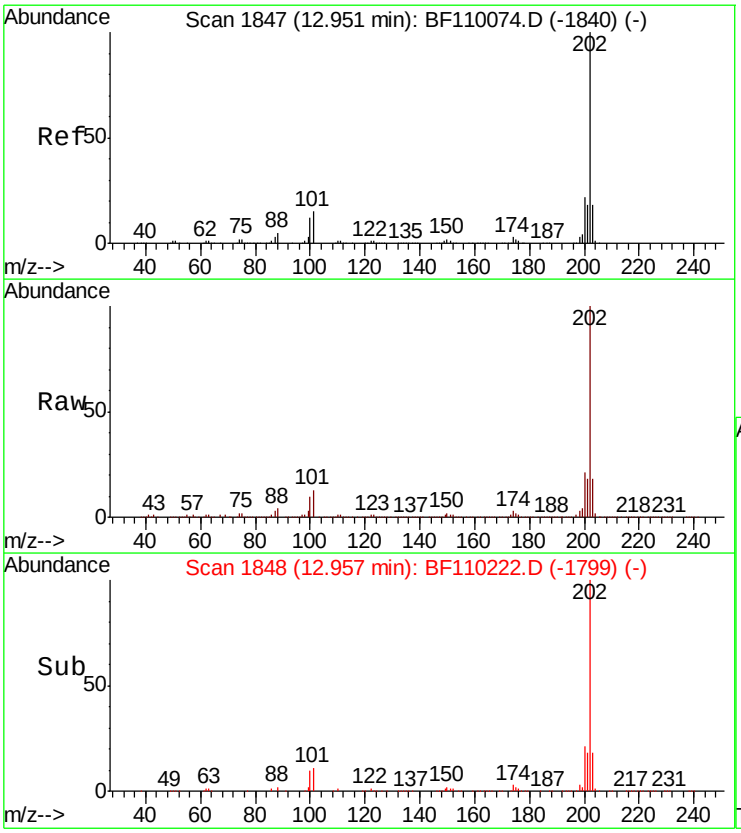
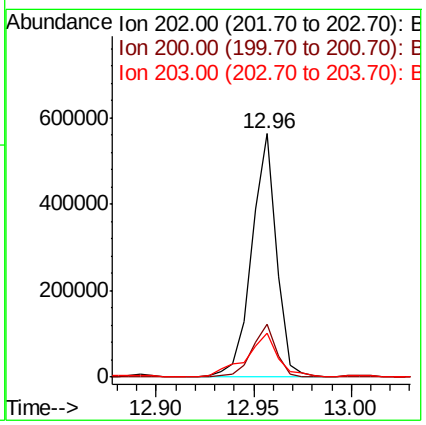
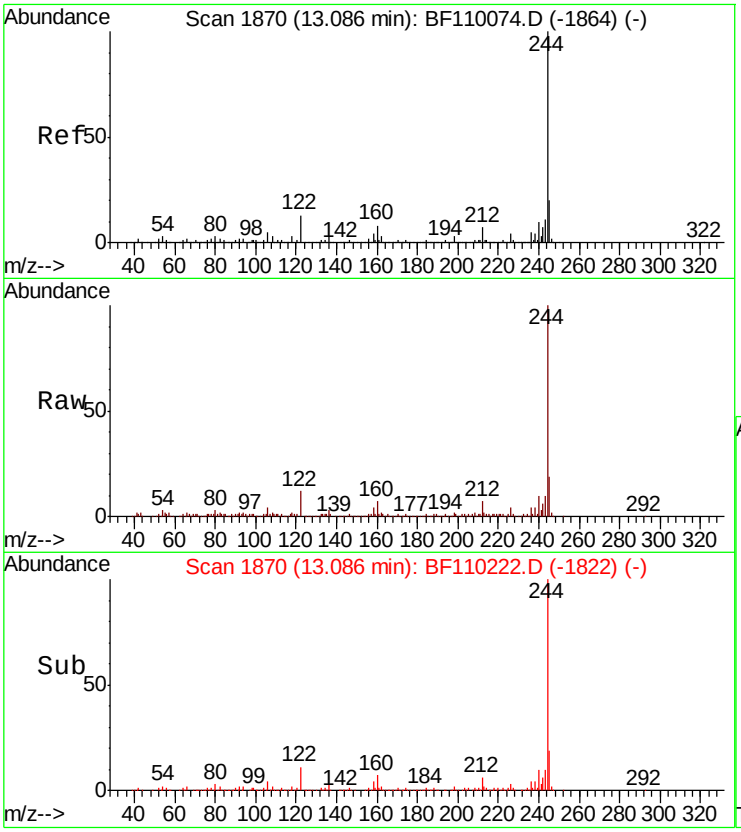


#78
Pyrene
Concen: 31.036 ng
RT: 12.96 min Scan# 1848
Delta R.T. -0.01 min
Lab File: BF110222.D
Acq: 26 Oct 2018 20:58

Tgt Ion:202 Resp: 493645

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.8	26.6
203	17.9	14.2	21.4

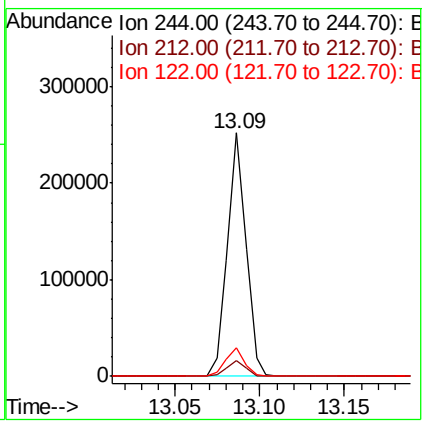




#79
Terphenyl-d14
Concen: 18.039 ng
RT: 13.09 min Scan# 1870
Delta R.T. -0.02 min
Lab File: BF110222.D
Acq: 26 Oct 2018 20:58

Tgt Ion:244 Resp: 192438

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.8	8.8
122	11.6	8.7	13.1



Instrument :
BNA_F
ClientSampleId :
SU-02-102518-B

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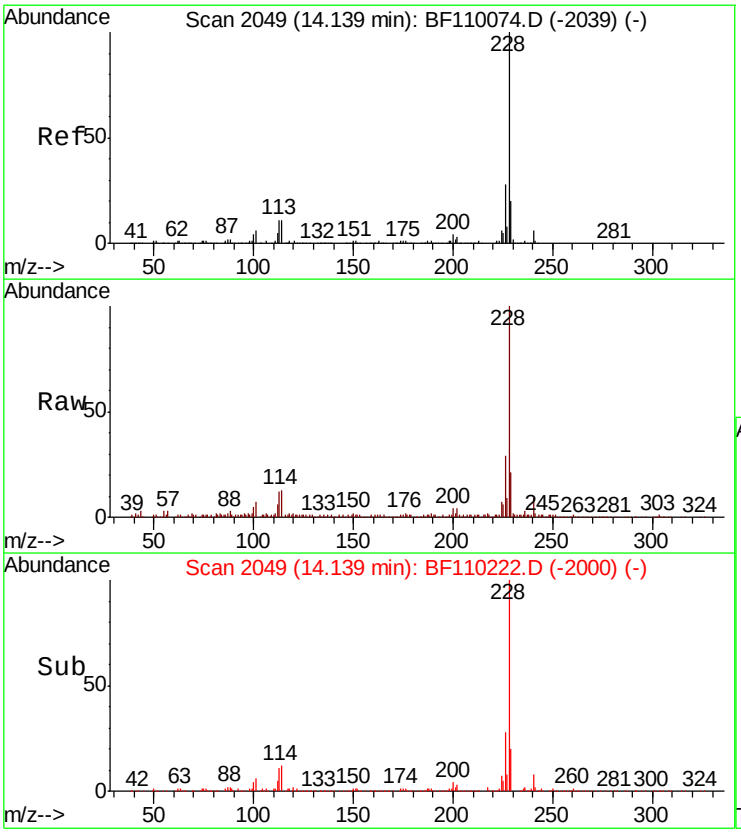
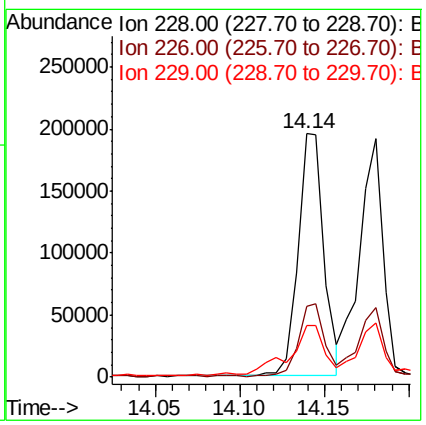
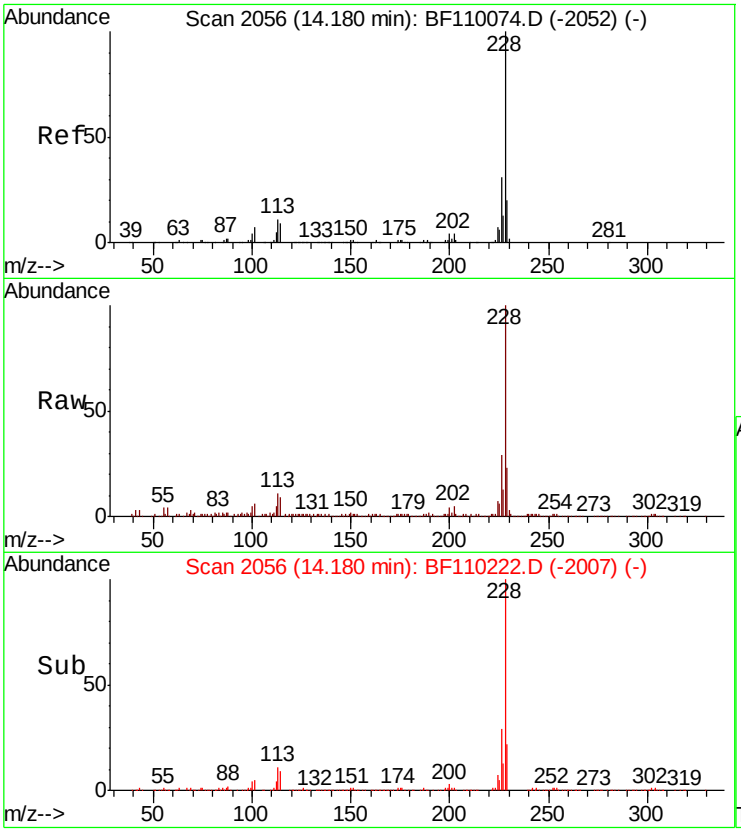


#81
Benzo(a)anthracene
Concen: 15.938 ng
RT: 14.14 min Scan# 2049
Delta R.T. -0.01 min
Lab File: BF110222.D
Acq: 26 Oct 2018 20:58

Tgt Ion:228 Resp: 209694

Ion	Ratio	Lower	Upper
228	100		
226	29.2	22.1	33.1
229	21.0	15.6	23.4

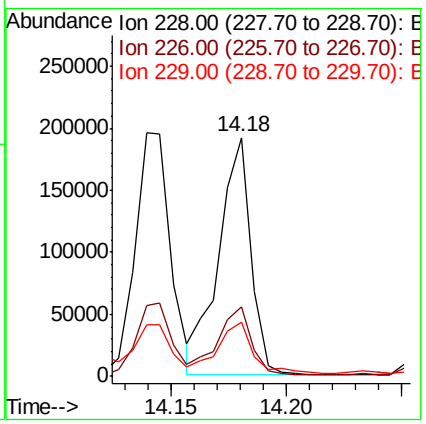




#83
Chrysene
Concen: 14.908 ng
RT: 14.18 min Scan# 2056
Delta R.T. -0.01 min
Lab File: BF110222.D
Acq: 26 Oct 2018 20:58

Tgt Ion:228 Resp: 186295

Ion	Ratio	Lower	Upper
228	100		
226	29.4	24.7	37.1
229	22.9	15.9	23.9



Instrument :
BNA_F
ClientSampleId :
SU-02-102518-B

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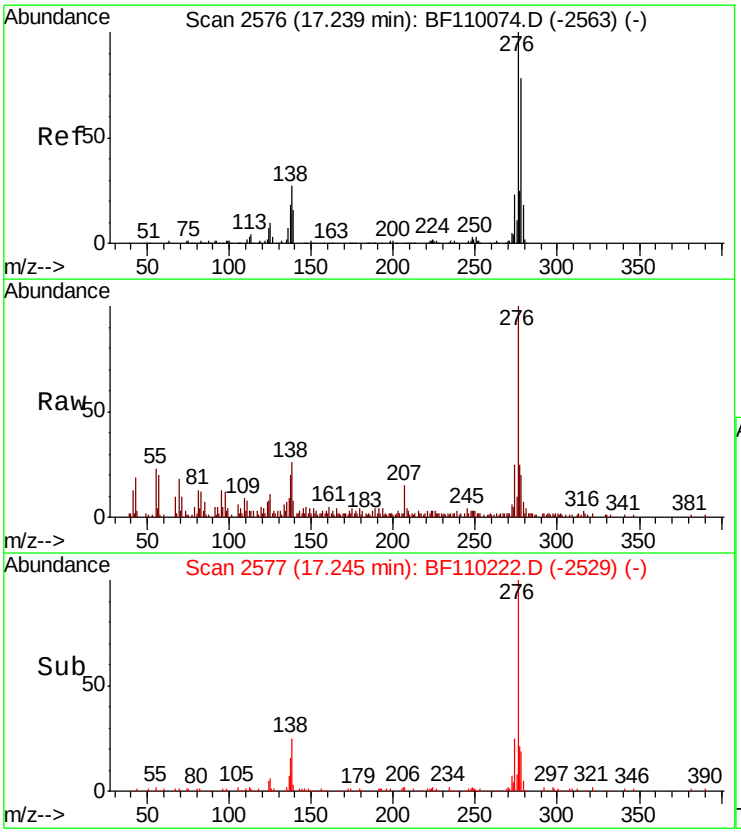
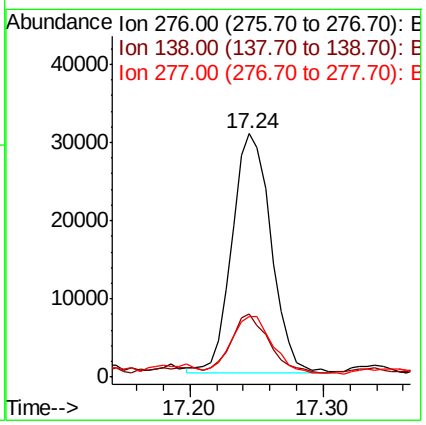
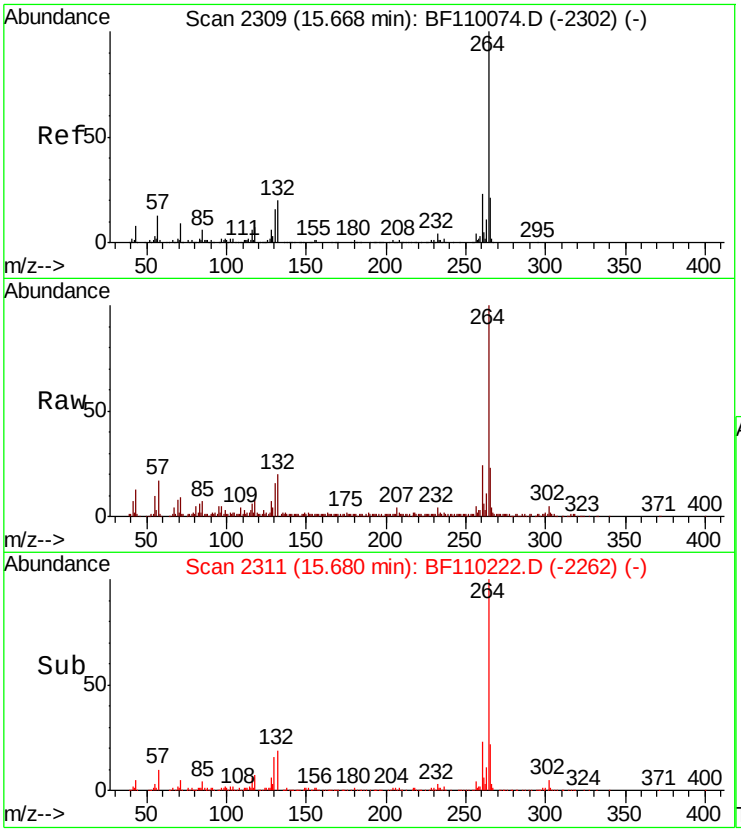


#86
Indeno(1,2,3-cd)pyrene
Concen: 5.993 ng
RT: 17.24 min Scan# 2577
Delta R.T. -0.02 min
Lab File: BF110222.D
Acq: 26 Oct 2018 20:58

Tgt Ion:276 Resp: 62127

Ion	Ratio	Lower	Upper
276	100		
138	23.6	18.5	27.7
277	25.8	20.0	30.0

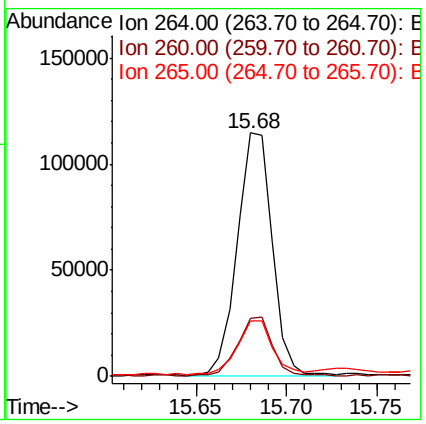




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2311
Delta R.T. -0.01 min
Lab File: BF110222.D
Acq: 26 Oct 2018 20:58

Tgt Ion:264 Resp: 152570

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.7	28.1
265	22.8	16.7	25.1



Instrument :
BNA_F
ClientSampleId :
SU-02-102518-B

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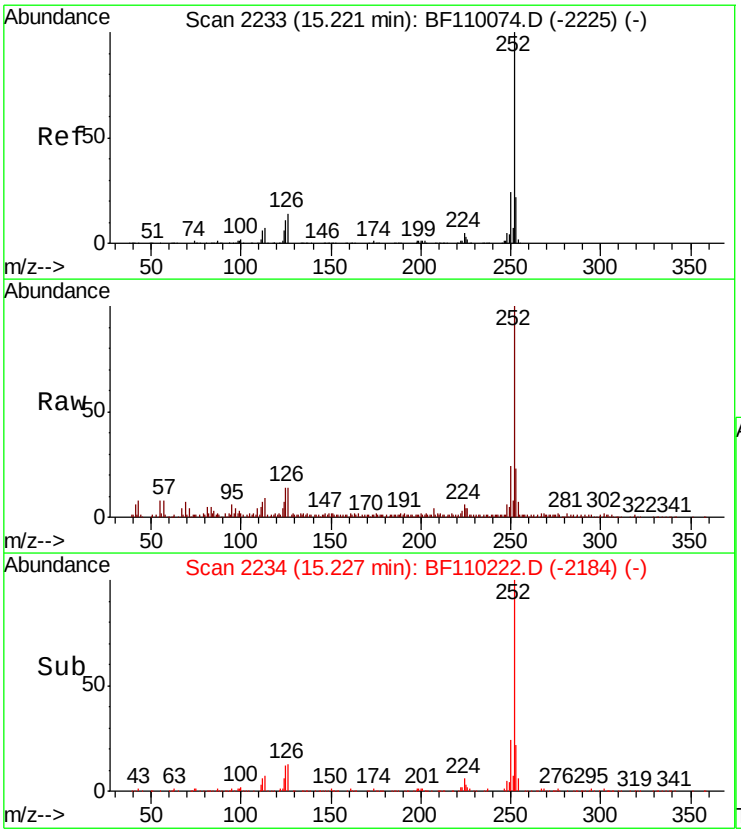
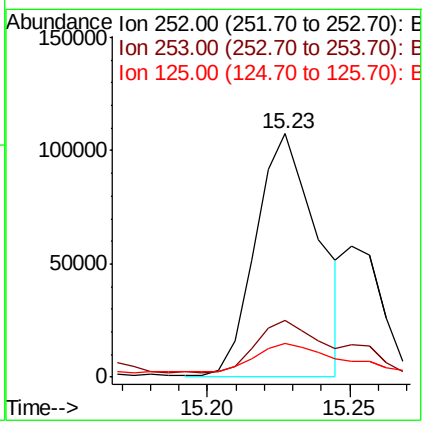
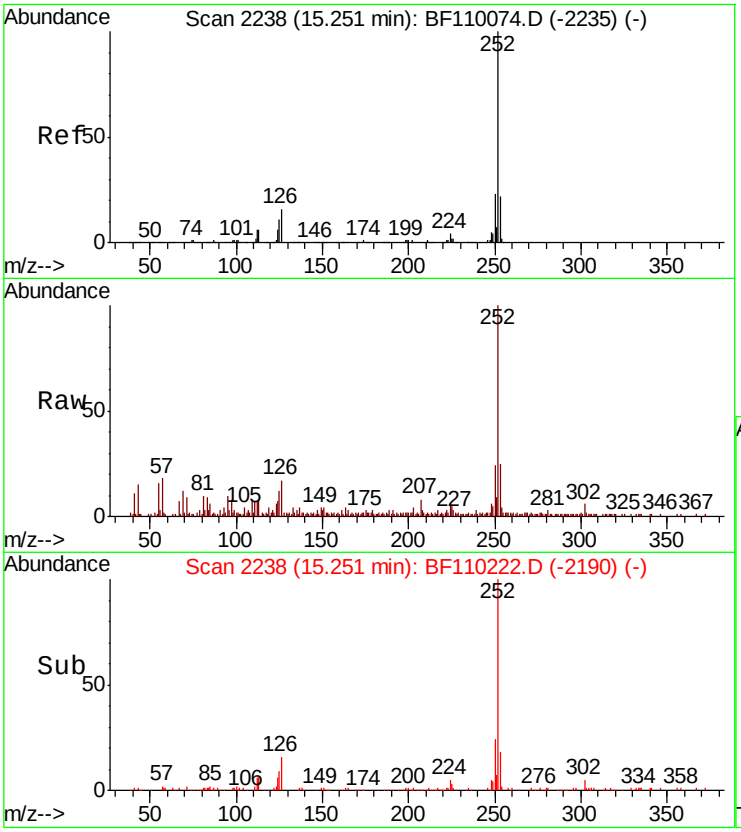


#88
Benzo(b)fluoranthene
Concen: 18.738 ng m
RT: 15.23 min Scan# 2234
Delta R.T. -0.01 min
Lab File: BF110222.D
Acq: 26 Oct 2018 20:58

Tgt Ion:252 Resp: 165087

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.2	25.8
125	13.6	8.2	12.4#

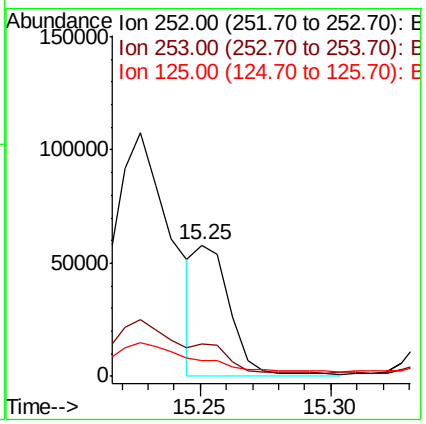




#89
Benzo(k)fluoranthene
Concen: 6.243 ng m
RT: 15.25 min Scan# 2238
Delta R.T. -0.02 min
Lab File: BF110222.D
Acq: 26 Oct 2018 20:58

Tgt Ion:252 Resp: 54076

Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.2	25.8
125	12.3	7.4	11.0#



Instrument :
BNA_F
ClientSampleId :
SU-02-102518-B

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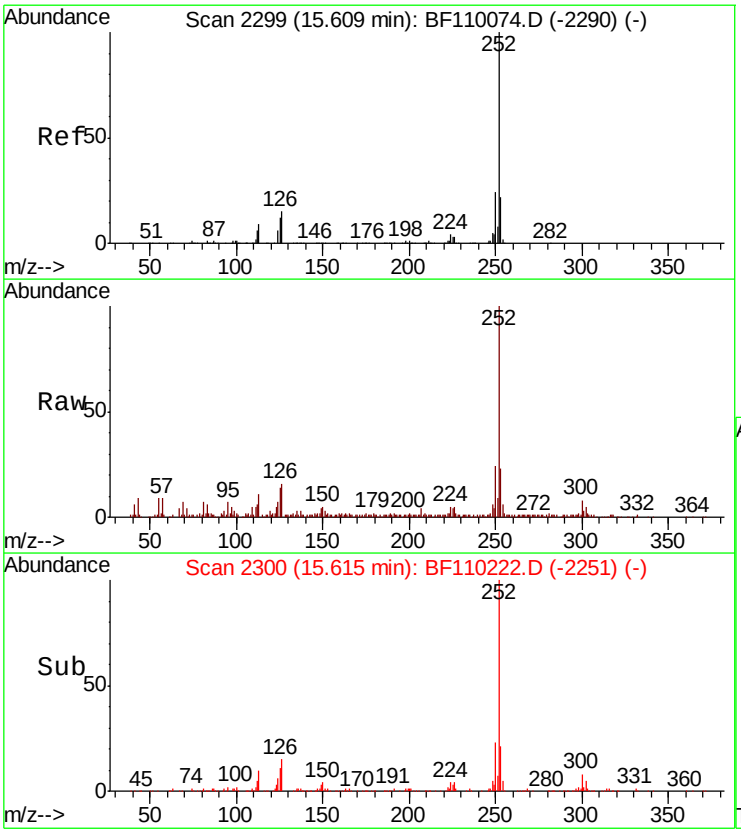
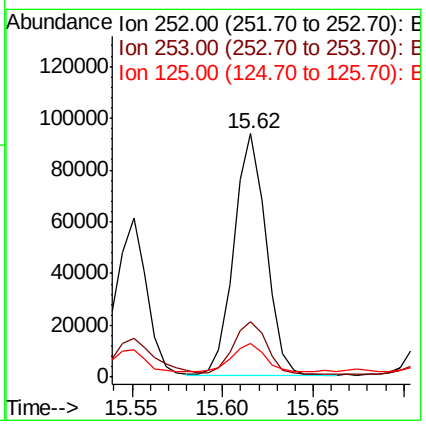
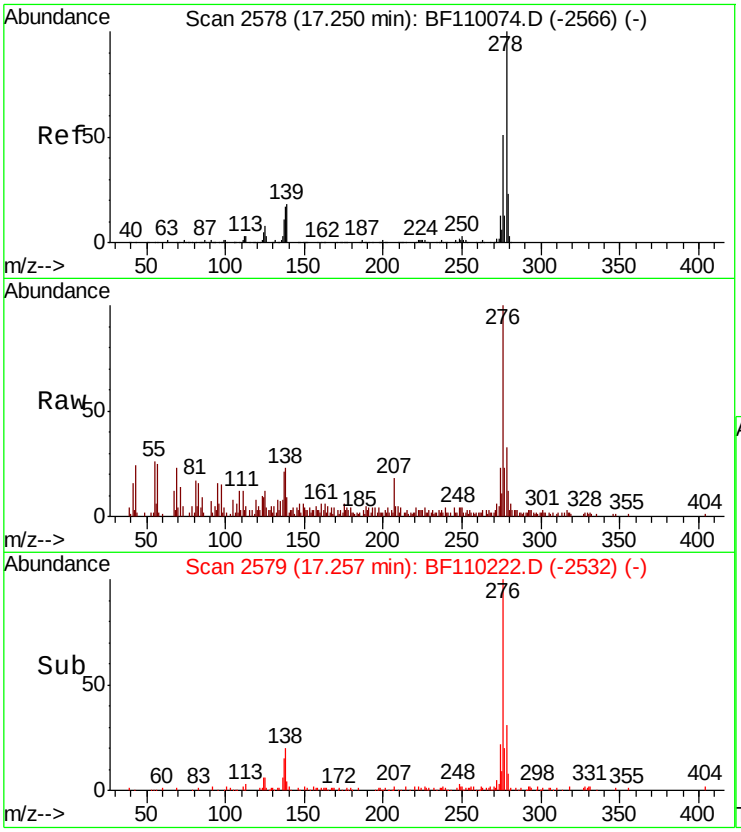


#90
Benzo(a)pyrene
Concen: 14.255 ng
RT: 15.62 min Scan# 2300
Delta R.T. -0.01 min
Lab File: BF110222.D
Acq: 26 Oct 2018 20:58

Tgt Ion:252 Resp: 115568

Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.4
125	13.7	9.0	13.6#

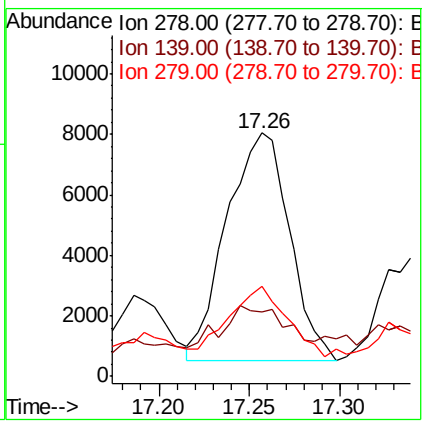




#91
Dibenzo(a,h)anthracene
Concen: 2.584 ng
RT: 17.26 min Scan# 2579
Delta R.T. -0.02 min
Lab File: BF110222.D
Acq: 26 Oct 2018 20:58

Tgt Ion:278 Resp: 18077

Ion	Ratio	Lower	Upper
278	100		
139	26.3	12.7	19.1#
279	37.2	19.0	28.4#



Instrument :
BNA_F
ClientSampleId :
SU-02-102518-B

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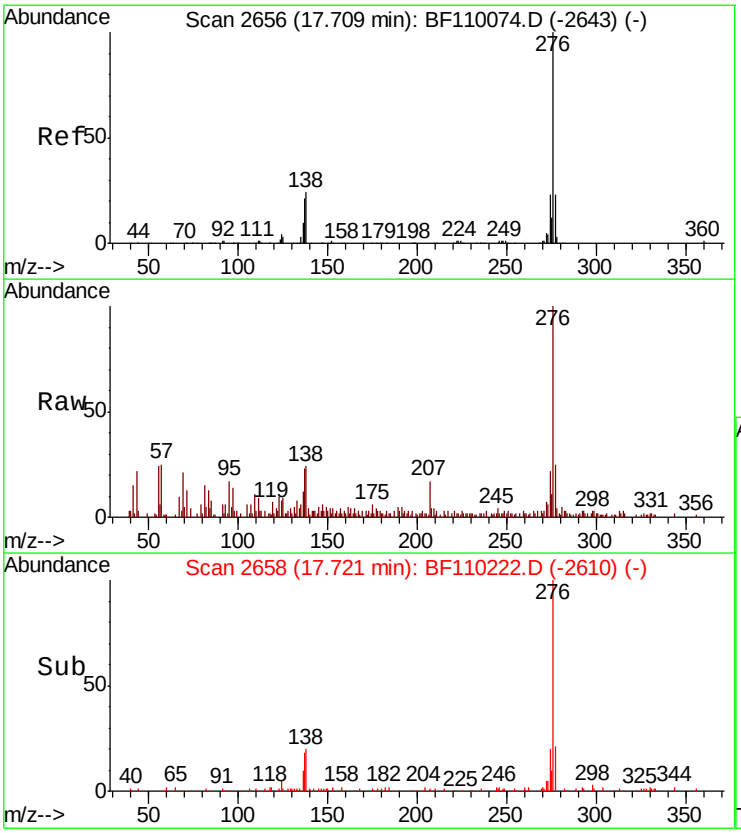

#92
Benzo(g,h,i)perylene
Concen: 8.647 ng
RT: 17.72 min Scan# 2658
Delta R.T. -0.02 min
Lab File: BF110222.D
Acq: 26 Oct 2018 20:58

Tgt Ion:276 Resp: 59601

Ion	Ratio	Lower	Upper
276	100		
277	25.2	18.8	28.2
138	24.3	16.0	24.0#