Quantitation Report (QT Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF021918\
Data File : BF103105.D
Acq On : 20 Feb 2018 2:14
Operator : SJ/JU
Sample : J1600-07 20X
Misc :
ALS Vial : 36 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : A2_SB44_E-S_6

Manual Integrations APPROVED
Sohil
2/20/2018 10:21:12 AM

Quant Time: Feb 20 04:50:56 2018
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 16 14:34:49 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	144788	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	607852	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	260176	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	369092	20.00	ng	0.00
75) Chrysene-d12	14.05	240	239678	20.00	ng	0.00
86) Perylene-d12	15.54	264	230895	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	47331	4.96	ng	0.00
7) Phenol-d6	6.50	99	61856	5.39	ng	0.00
23) Nitrobenzene-d5	7.44	82	36337	4.15	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	9596	4.58	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	71673	4.57	ng	-0.01
78) Terphenyl-d14	12.98	244	47599	4.70	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.18	128	262950	8.854	ng	99
37) 2-Methylnaphthalene	8.87	142	67789	3.486	ng	97
48) Acenaphthylene	9.77	152	411642	15.362	ng	100
54) Dibenzofuran	10.12	168	54398	2.409	ng	96
57) Fluorene	10.46	166	115449	7.026	ng	97
70) Phenanthrene	11.43	178	827819	40.271	ng	99
71) Anthracene	11.48	178	312454	14.945	ng	99
74) Fluoranthene	12.62	202	1133894	54.826	ng	99
77) Pyrene	12.86	202	1191261	63.384	ng	100
80) Benzo(a)anthracene	14.04	228	711217m	47.183	ng	
82) Chrysene	14.08	228	630219	41.476	ng	98
85) Indeno(1,2,3-cd)pyrene	17.05	276	319503	25.353	ng	96
87) Benzo(b)fluoranthene	15.11	252	859146m	57.392	ng	
88) Benzo(k)fluoranthene	15.13	252	264499m	18.492	ng	
89) Benzo(a)pyrene	15.49	252	621775	46.144	ng	96
90) Dibenzo(a,h)anthracene	17.06	278	96048m	8.782	ng	
91) Benzo(g,h,i)perylene	17.52	276	301171	28.134	ng	97

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

Quantitation Report (QT Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF021918\
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Misc :
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BNA_F
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A2_SB44_E-S_6

Manual Integrations APPROVED
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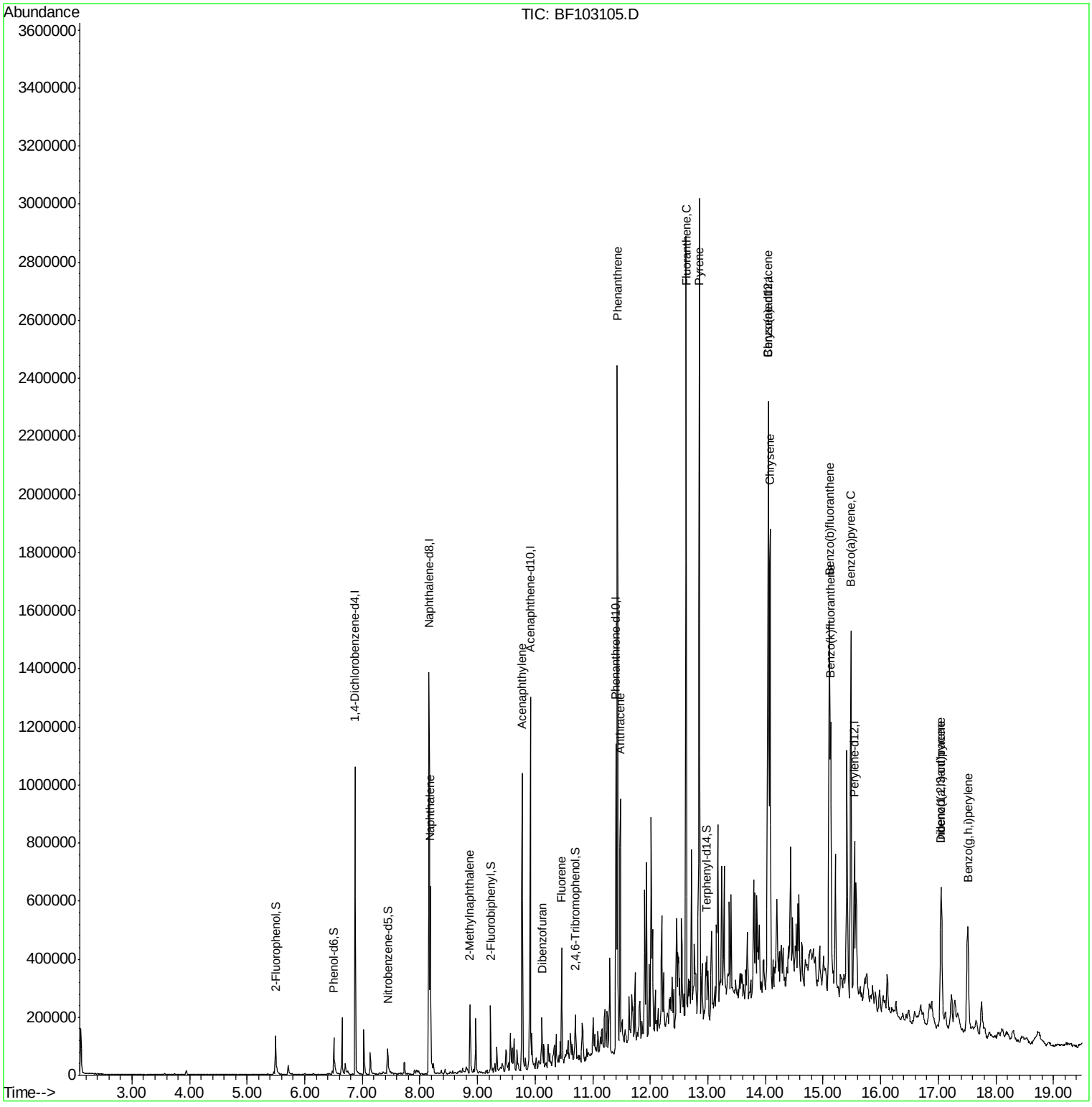
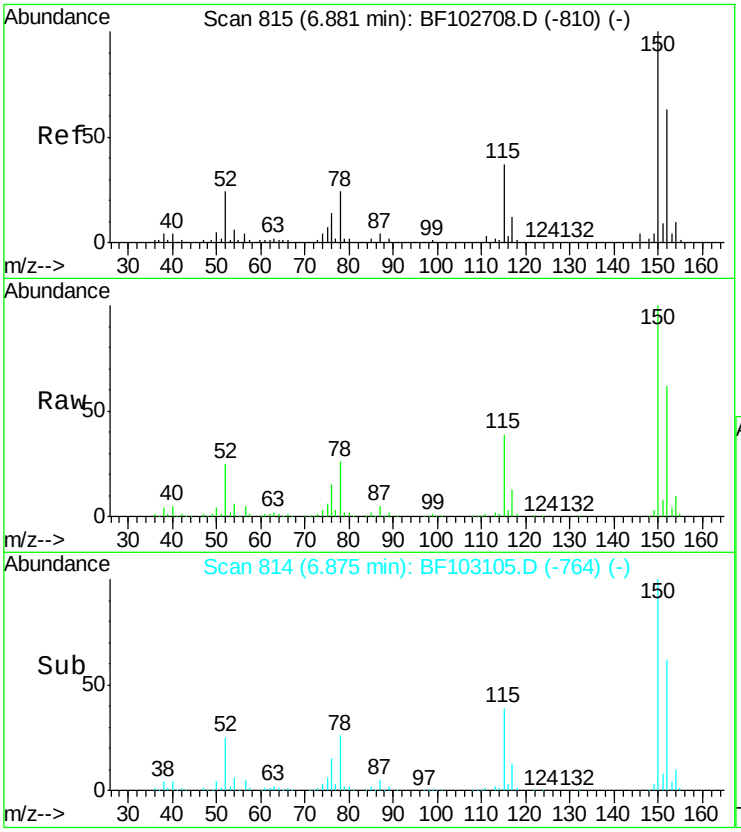
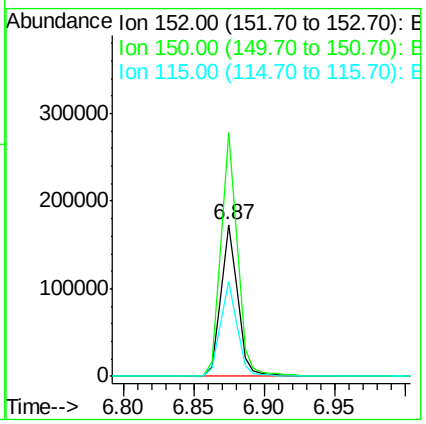




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Tgt Ion:152 Resp: 144788

Ion	Ratio	Lower	Upper
152	100		
150	160.6	124.6	186.8
115	62.8	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
A2_SB44_E-S_6

Manual Integrations APPROVED
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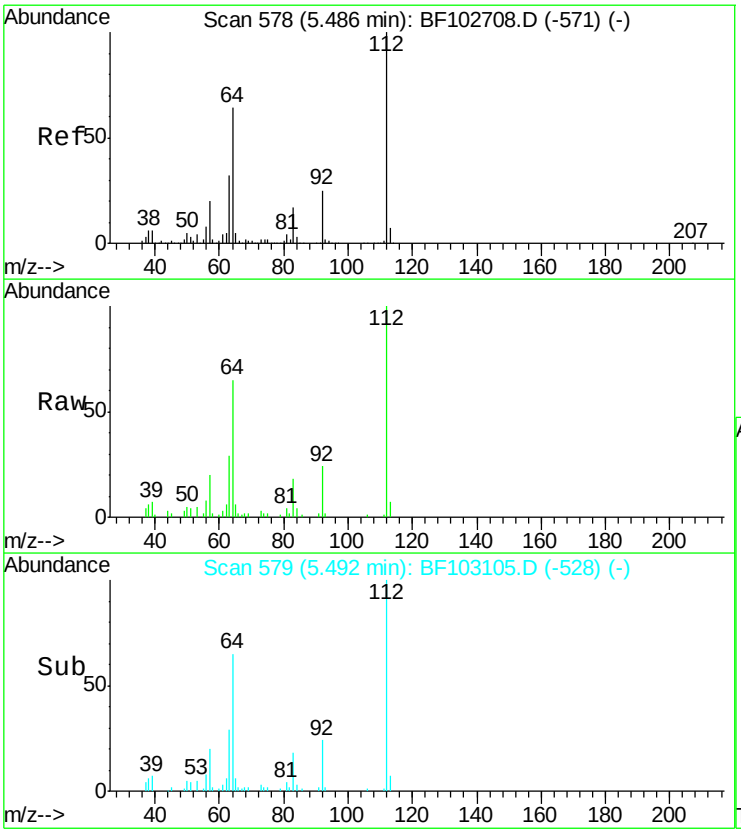
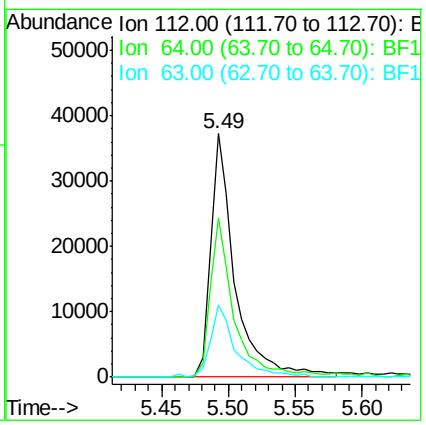
2/20/2018 10:21:12 AM

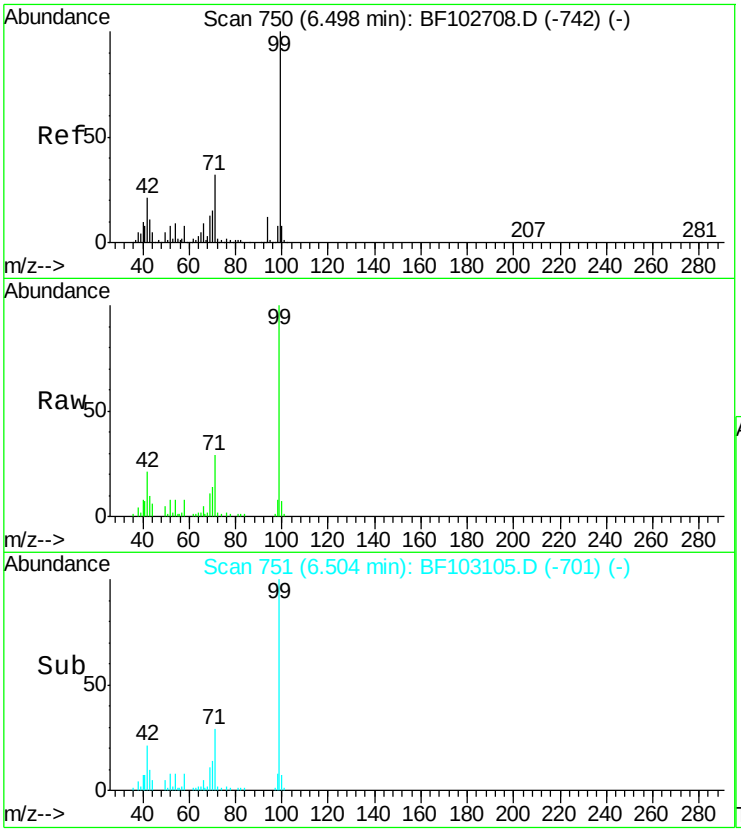


#5
2-Fluorophenol
Concen: 4.965 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.00 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Tgt Ion:112 Resp: 47331

Ion	Ratio	Lower	Upper
112	100		
64	65.4	47.9	71.9
63	29.4	23.7	35.5

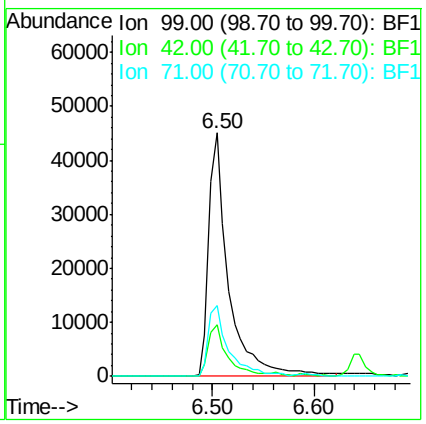




#7
Phenol-d6
Concen: 5.388 ng
RT: 6.50 min Scan# 751
Delta R.T. -0.01 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Tgt Ion: 99 Resp: 61856

Ion	Ratio	Lower	Upper
99	100		
42	21.3	14.5	21.7
71	28.9	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
A2_SB44_E-S_6

Manual Integrations APPROVED
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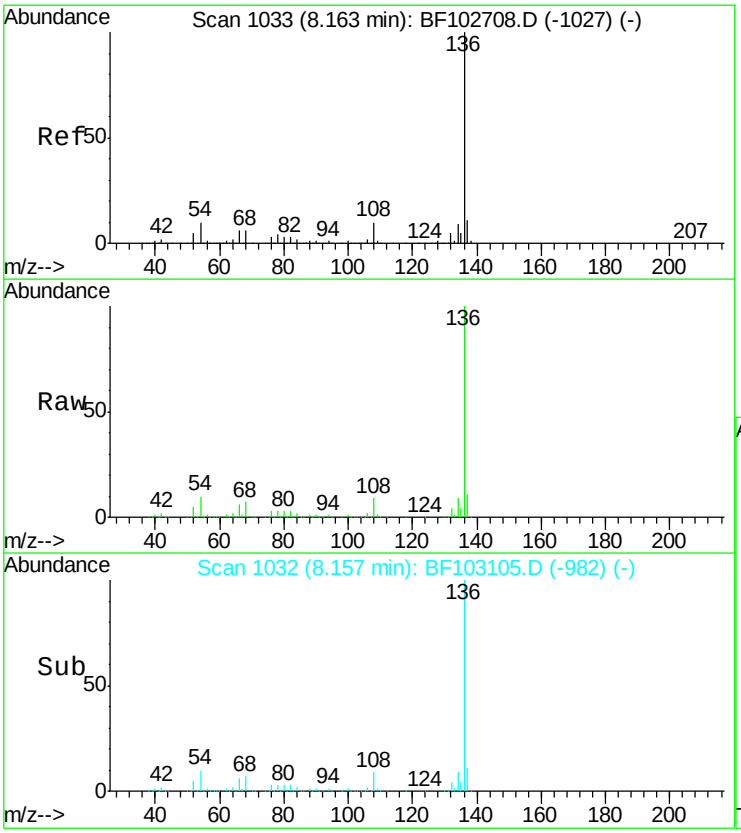
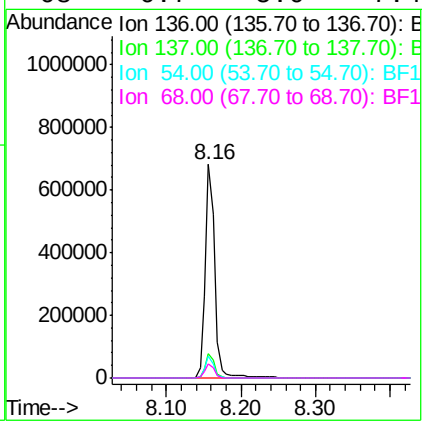
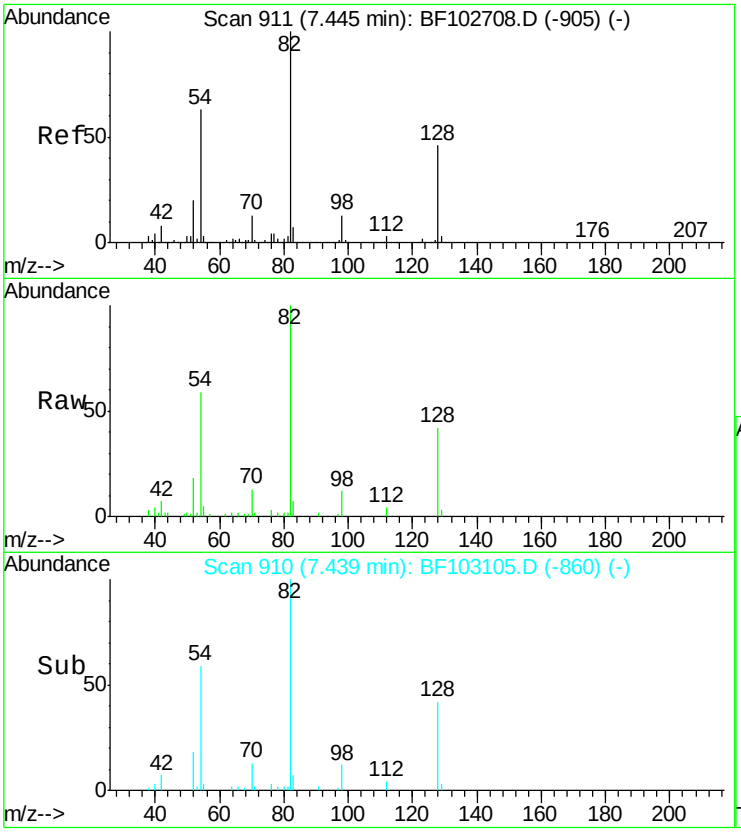


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1032
Delta R.T. -0.01 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Tgt Ion:136 Resp: 607852

Ion	Ratio	Lower	Upper
136	100		
137	11.4	8.9	13.3
54	10.0	6.6	9.8#
68	6.7	5.0	7.4

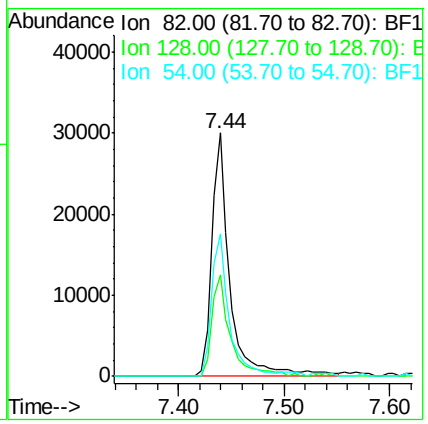




#23
Nitrobenzene-d5
Concen: 4.147 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Tgt Ion: 82 Resp: 36337

Ion	Ratio	Lower	Upper
82	100		
128	41.8	36.1	54.1
54	58.6	41.4	62.2



Instrument :
BNA_F
ClientSampleId :
A2_SB44_E-S_6

Manual Integrations APPROVED
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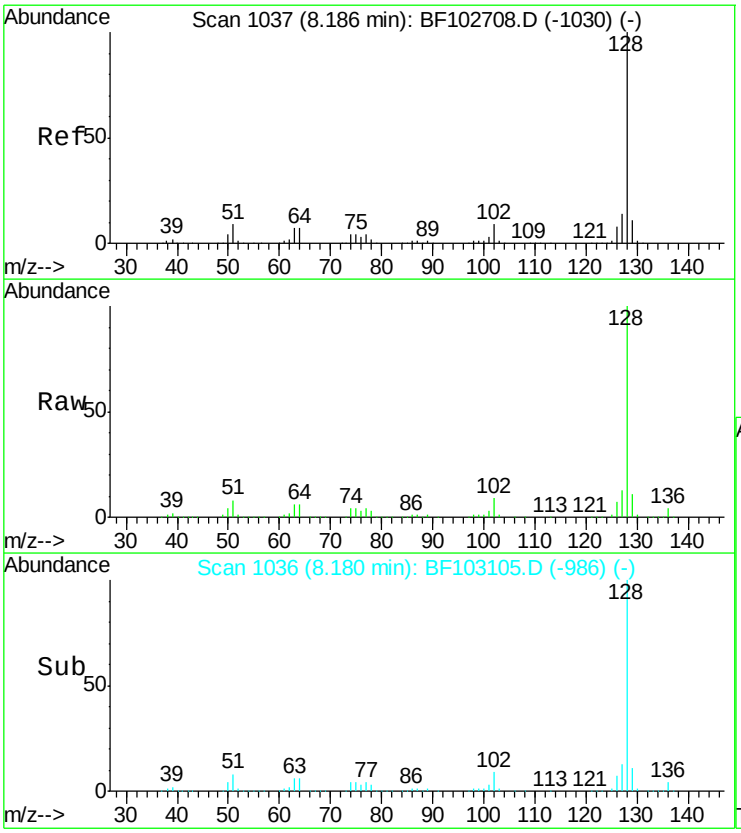
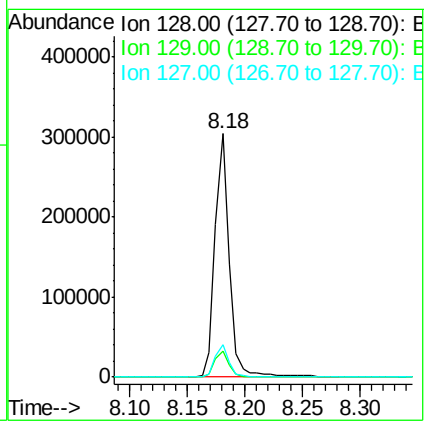
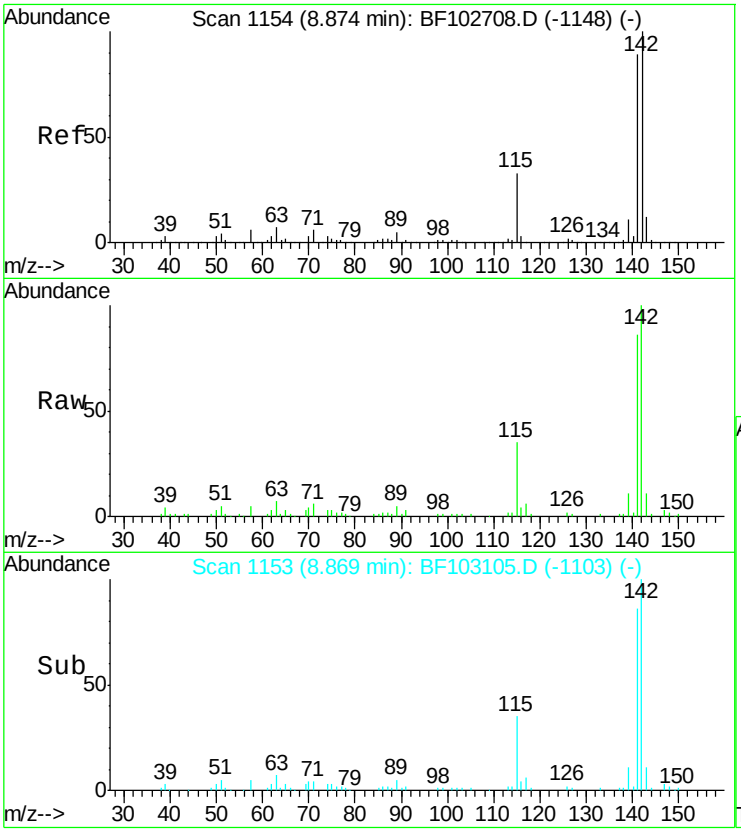


#31
Naphthalene
Concen: 8.854 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Tgt Ion:128 Resp: 262950

Ion	Ratio	Lower	Upper
128	100		
129	10.7	8.8	13.2
127	13.1	10.9	16.3

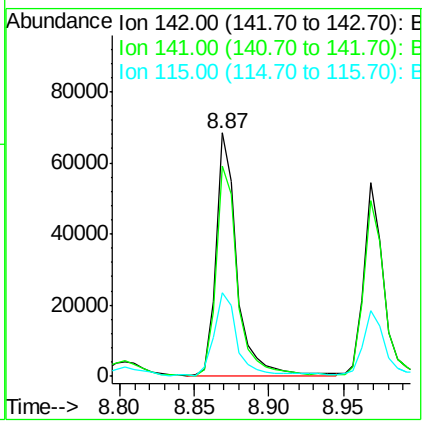




#37
2-Methylnaphthalene
Concen: 3.486 ng
RT: 8.87 min Scan# 1153
Delta R.T. -0.01 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Tgt Ion:142 Resp: 67789

Ion	Ratio	Lower	Upper
142	100		
141	86.3	70.8	106.2
115	34.5	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
A2_SB44_E-S_6

Manual Integrations APPROVED
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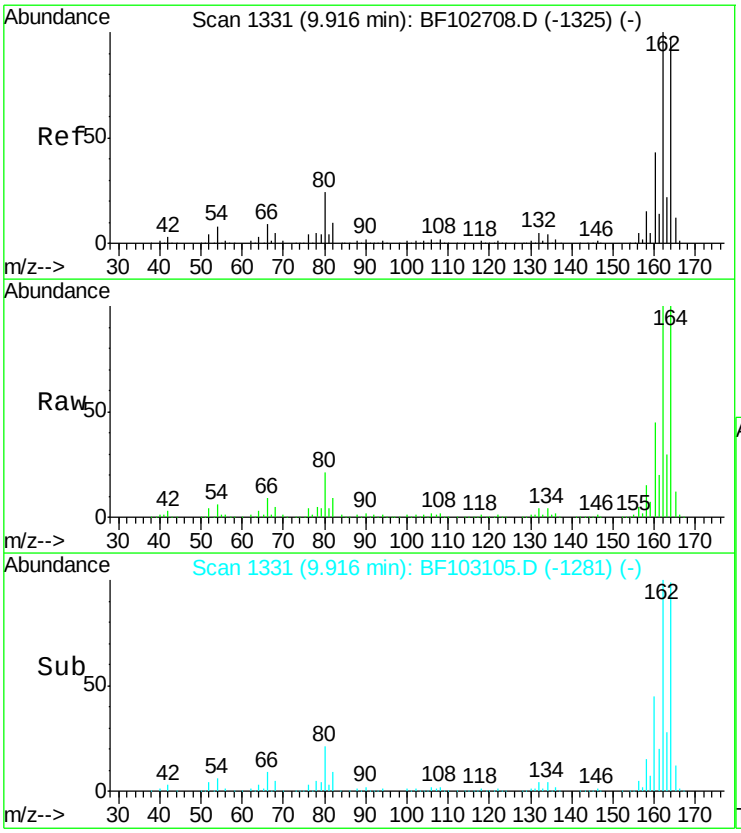
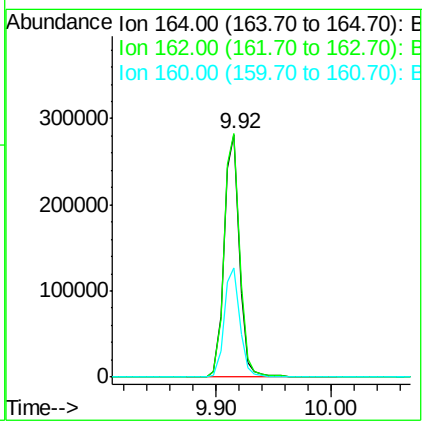
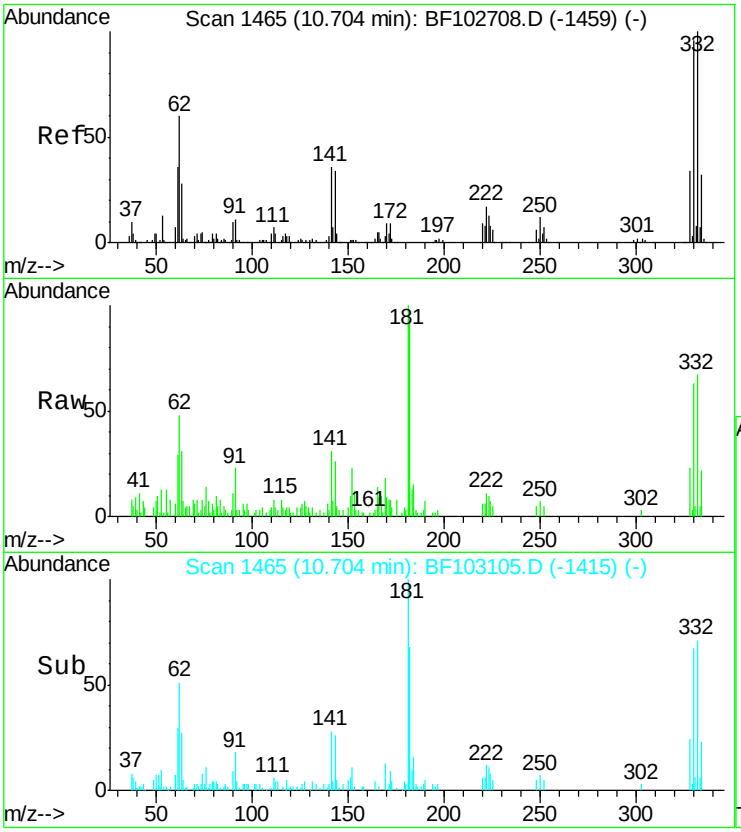


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Tgt Ion:164 Resp: 260176

Ion	Ratio	Lower	Upper
164	100		
162	100.4	86.1	129.1
160	45.2	38.3	57.5

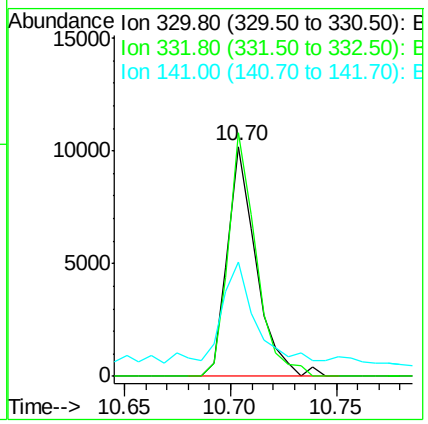




#41
2,4,6-Tribromophenol
Concen: 4.582 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.01 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Tgt Ion:330 Resp: 9596

Ion	Ratio	Lower	Upper
330	100		
332	101.9	77.0	115.6
141	46.2	29.9	44.9#



Instrument :
BNA_F
ClientSampleId :
A2_SB44_E-S_6

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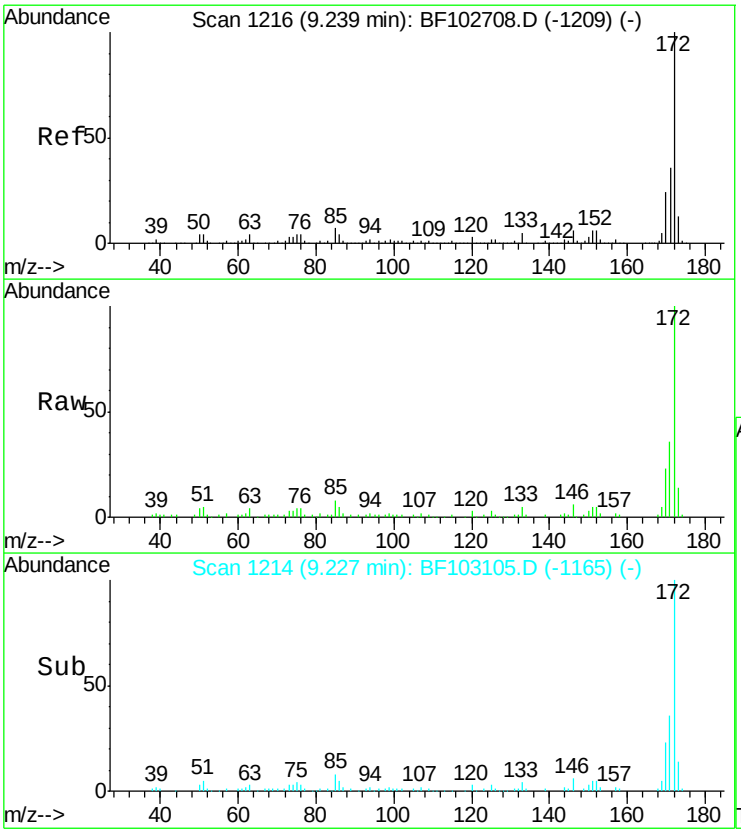
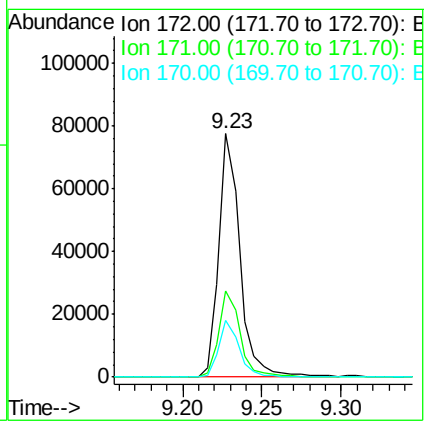
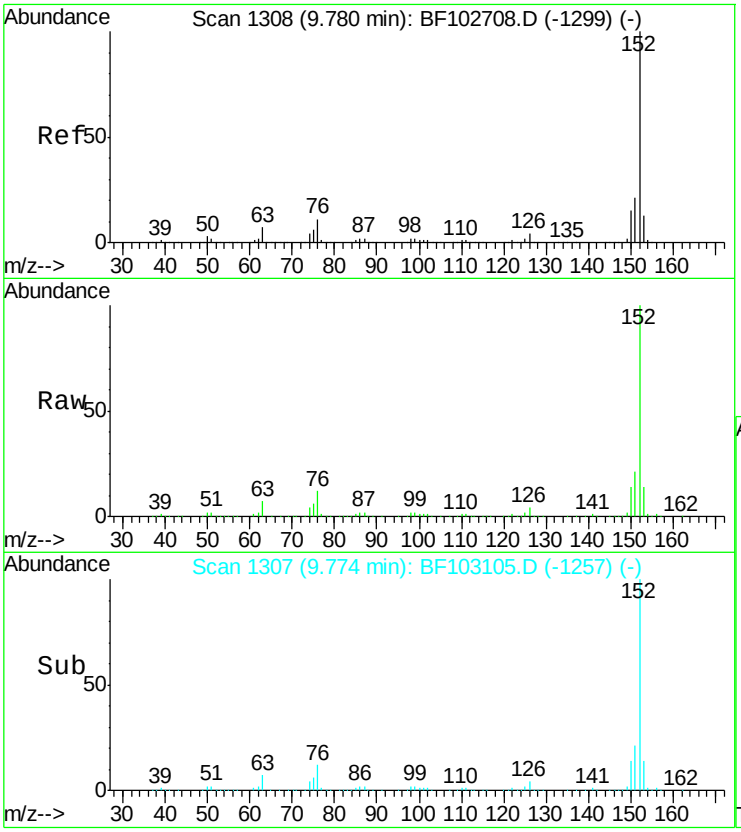


#44
2-Fluorobiphenyl
Concen: 4.571 ng
RT: 9.23 min Scan# 1214
Delta R.T. -0.01 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Tgt Ion:172 Resp: 71673

Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	23.3	19.6	29.4

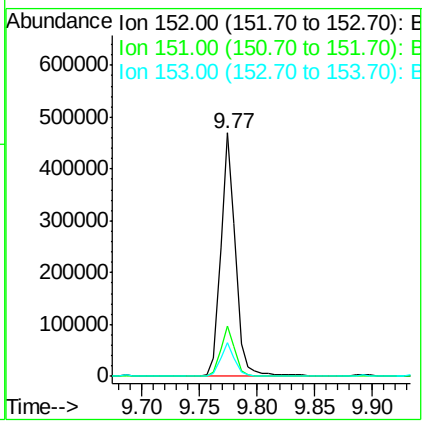




#48
Acenaphthylene
Concen: 15.362 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.01 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

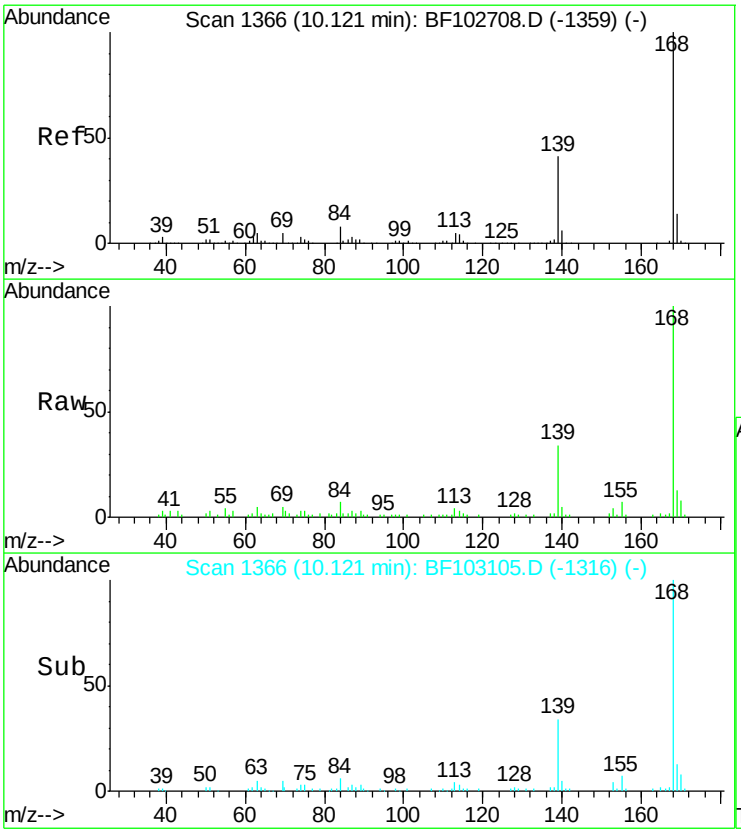
Tgt Ion:152 Resp: 411642

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.3	24.5
153	13.6	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
A2_SB44_E-S_6

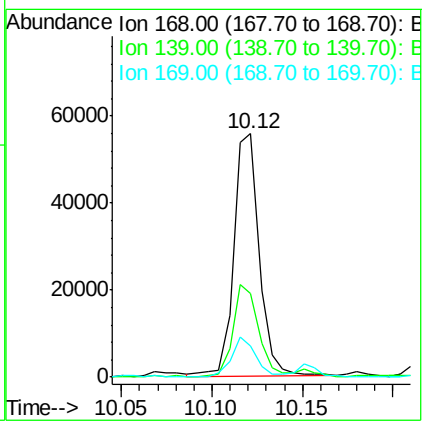
Manual Integrations APPROVED
Sohil
2/20/2018 10:21:12 AM

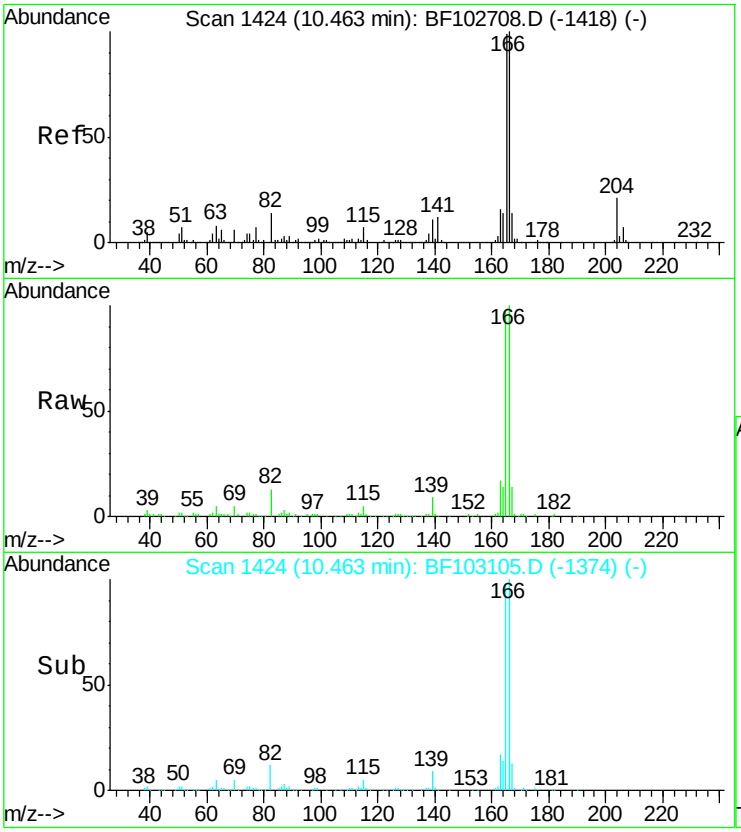


#54
Dibenzofuran
Concen: 2.409 ng
RT: 10.12 min Scan# 1366
Delta R.T. -0.01 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Tgt Ion:168 Resp: 54398

Ion	Ratio	Lower	Upper
168	100		
139	34.4	30.1	45.1
169	13.0	10.9	16.3

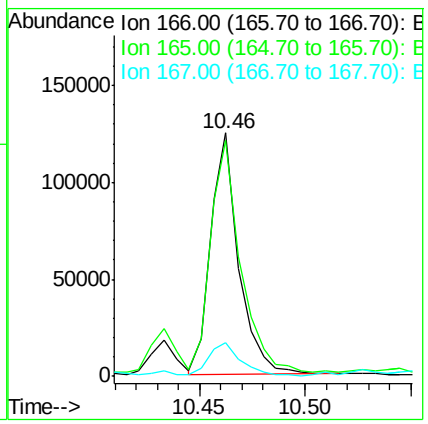




#57
Fluorene
Concen: 7.026 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

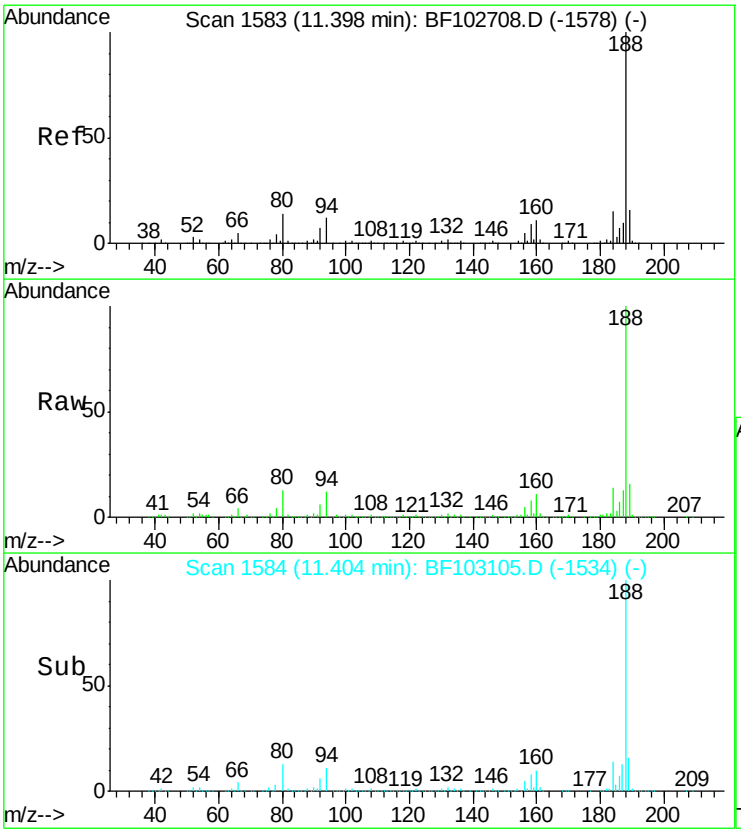
Tgt Ion:166 Resp: 115449

Ion	Ratio	Lower	Upper
166	100		
165	97.0	79.8	119.8
167	13.8	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
A2_SB44_E-S_6

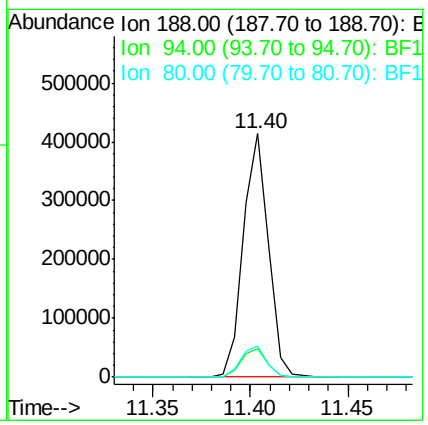
Manual Integrations APPROVED
Sohil
2/20/2018 10:21:12 AM

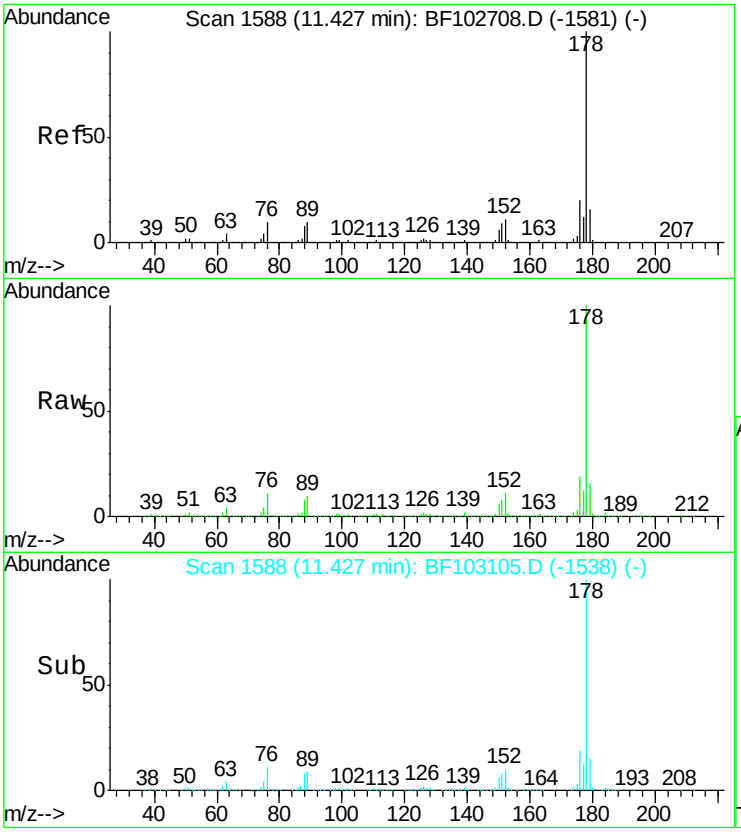


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Tgt Ion:188 Resp: 369092

Ion	Ratio	Lower	Upper
188	100		
94	11.5	8.5	12.7
80	12.6	9.2	13.8

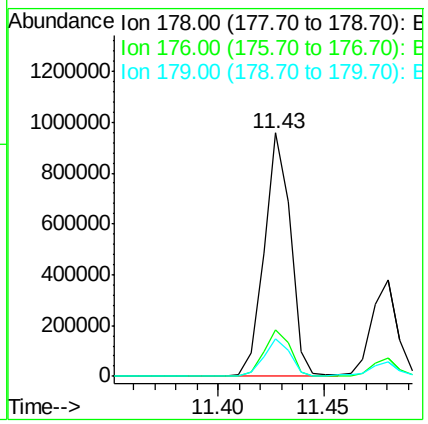




#70
Phenanthrene
Concen: 40.271 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

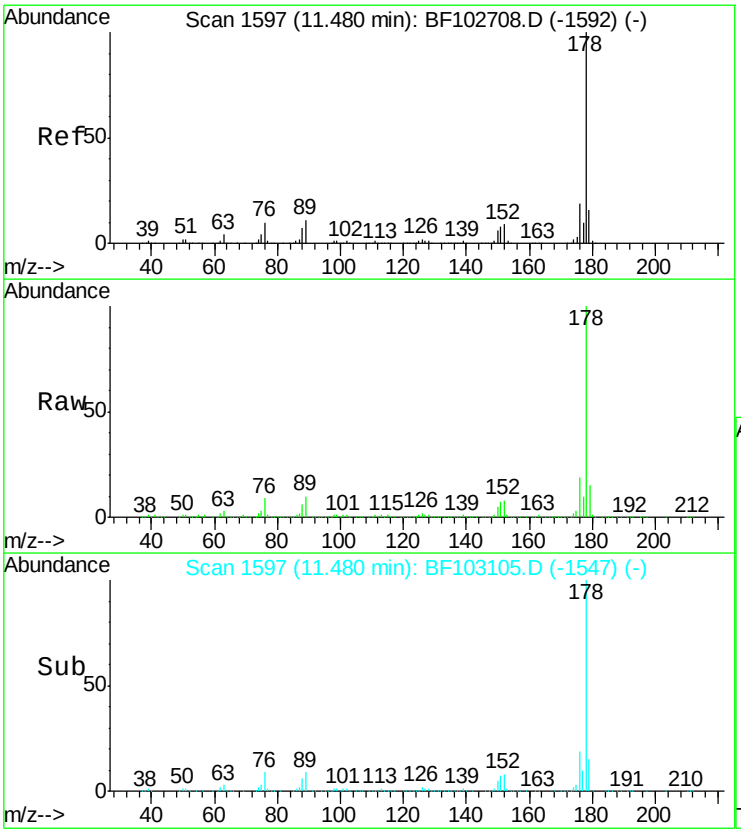
Tgt Ion:178 Resp: 827819

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.8	23.8
179	15.5	13.0	19.6



Instrument :
BNA_F
ClientSampleId :
A2_SB44_E-S_6

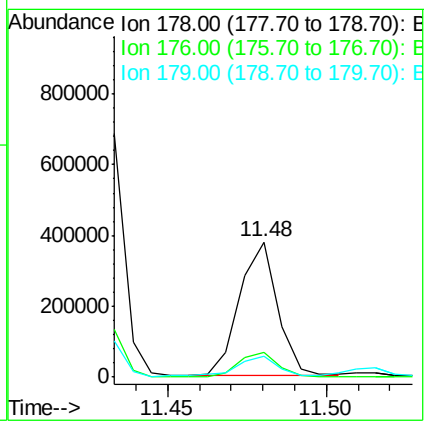
Manual Integrations APPROVED
Sohil
2/20/2018 10:21:12 AM

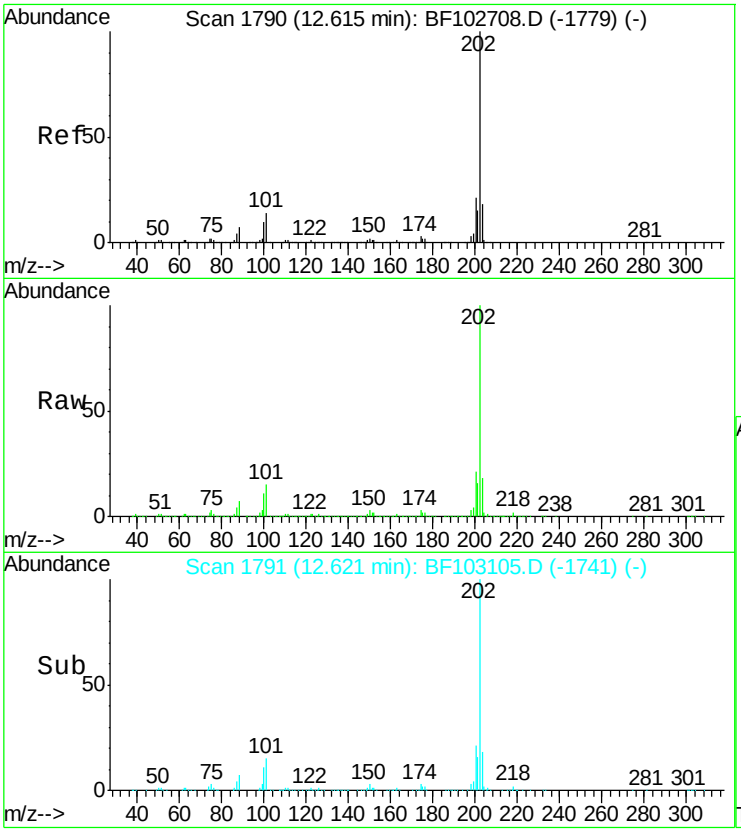


#71
Anthracene
Concen: 14.945 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Tgt Ion:178 Resp: 312454

Ion	Ratio	Lower	Upper
178	100		
176	18.6	15.4	23.2
179	15.4	12.6	19.0

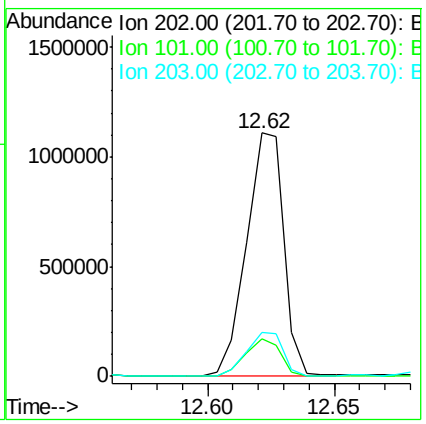




#74
Fluoranthene
Concen: 54.826 ng
RT: 12.62 min Scan# 1791
Delta R.T. -0.01 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Tgt Ion:202 Resp: 1133894

Ion	Ratio	Lower	Upper
202	100		
101	15.3	0.0	34.1
203	18.1	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
A2_SB44_E-S_6

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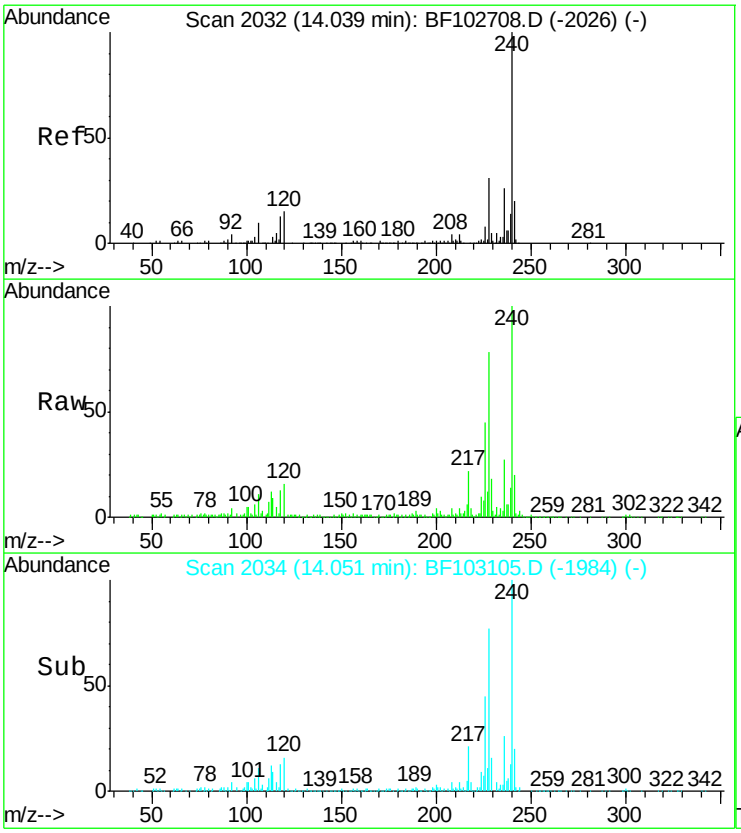
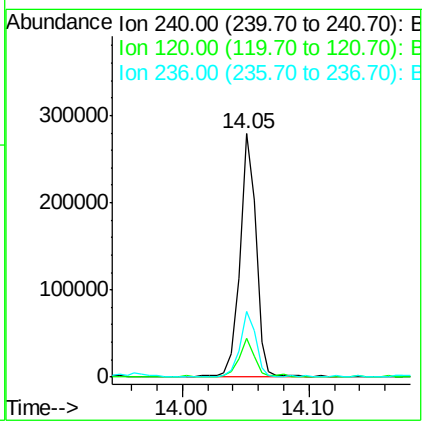
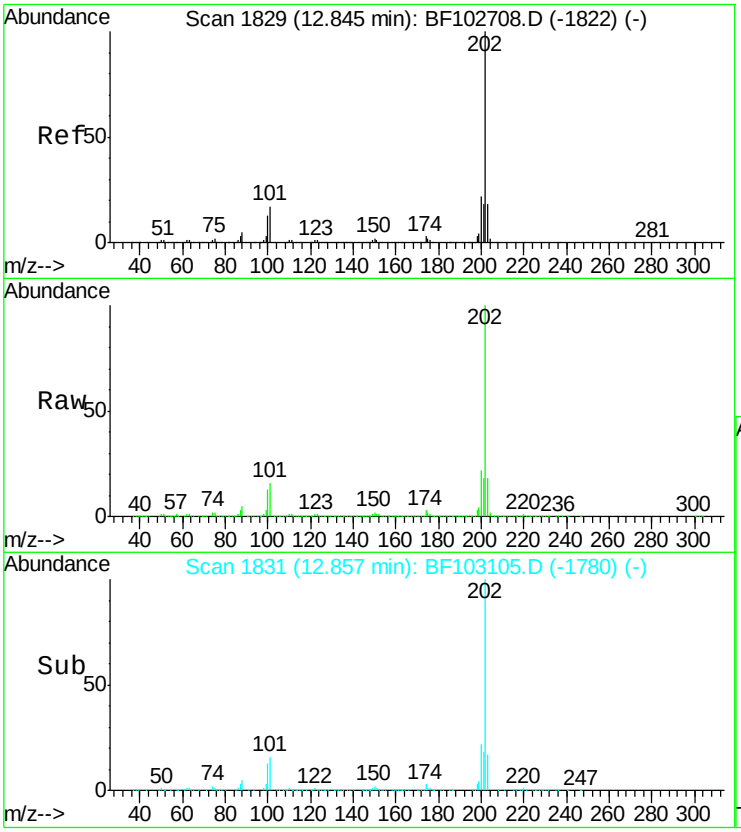


#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.01 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Tgt Ion:240 Resp: 239678

Ion	Ratio	Lower	Upper
240	100		
120	15.7	9.5	14.3#
236	26.8	20.7	31.1

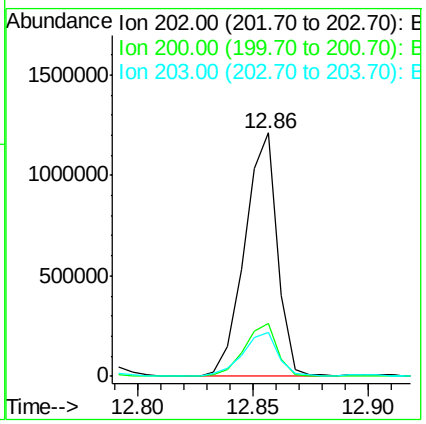




#77
Pyrene
Concen: 63.384 ng
RT: 12.86 min Scan# 1831
Delta R.T. -0.00 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Tgt Ion:202 Resp: 1191261

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.4	26.2
203	17.8	14.3	21.5



Instrument :
BNA_F
ClientSampleId :
A2_SB44_E-S_6

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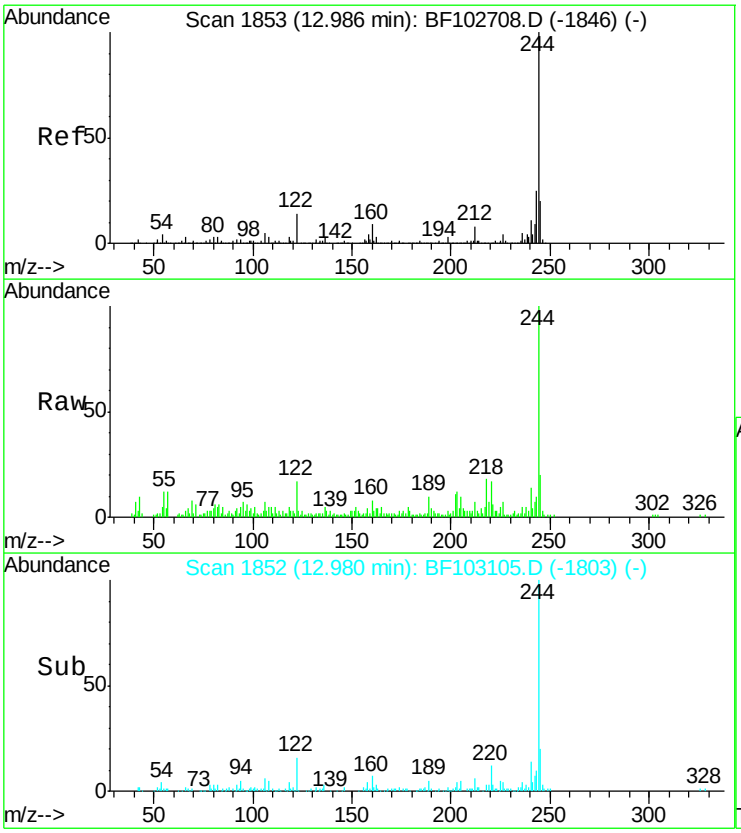
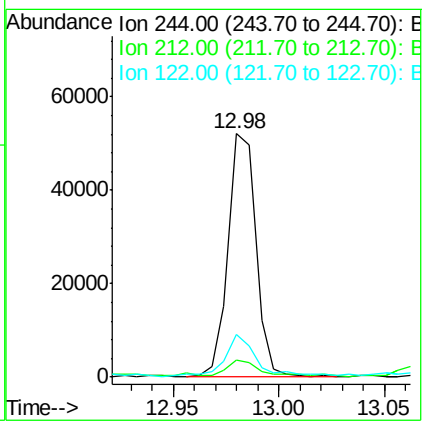
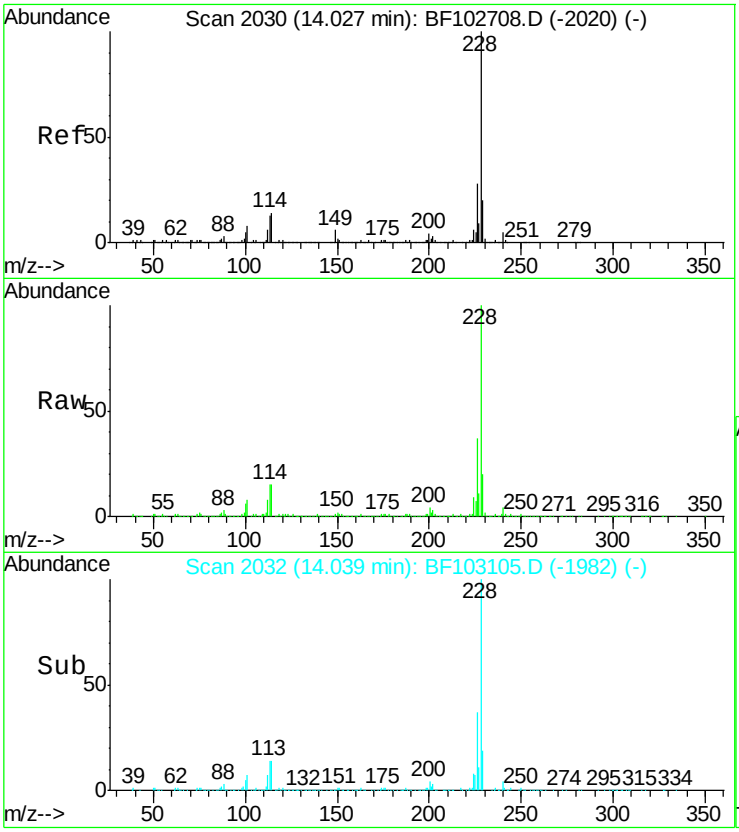


#78
Terphenyl-d14
Concen: 4.702 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.01 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Tgt Ion:244 Resp: 47599

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.4	8.0
122	17.4	11.0	16.4#

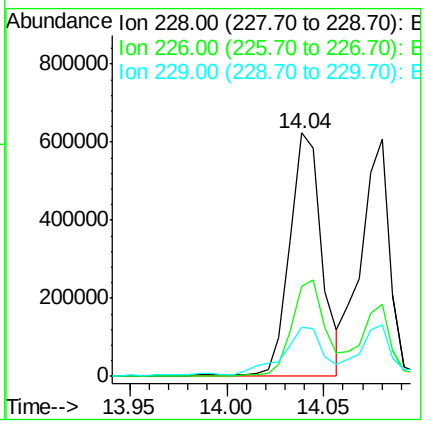




#80
Benzo(a)anthracene
Concen: 47.183 ng m
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Tgt Ion:228 Resp: 711217

Ion	Ratio	Lower	Upper
228	100		
226	37.2	22.6	33.8#
229	20.0	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
A2_SB44_E-S_6

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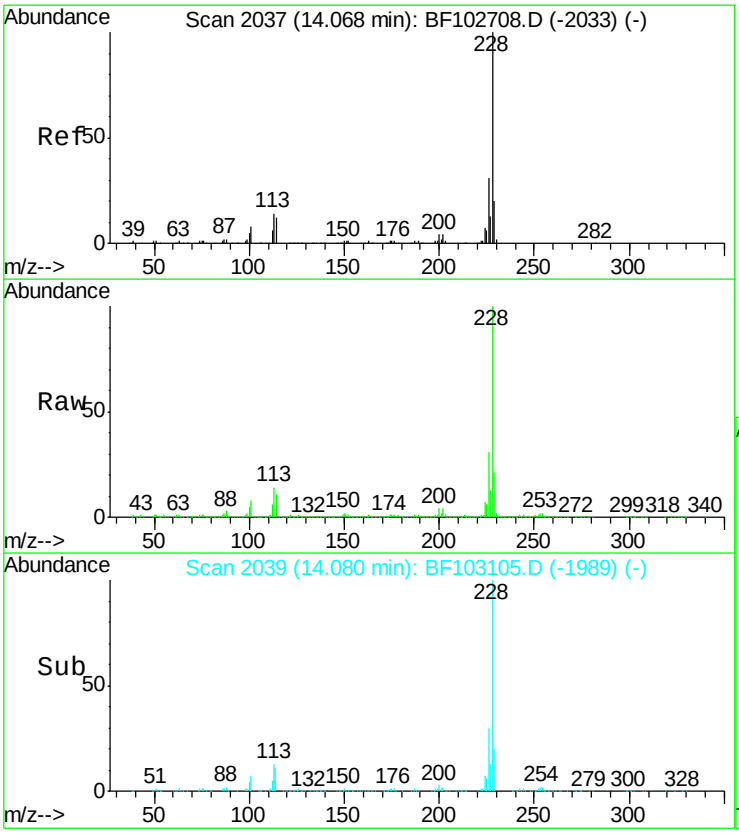
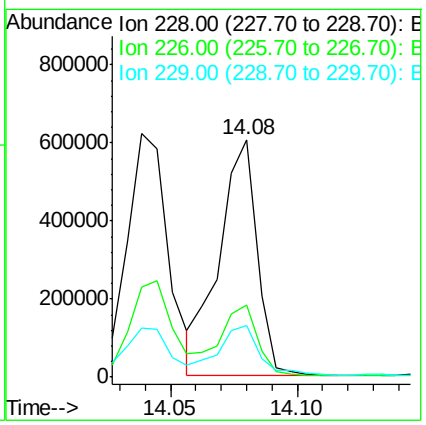
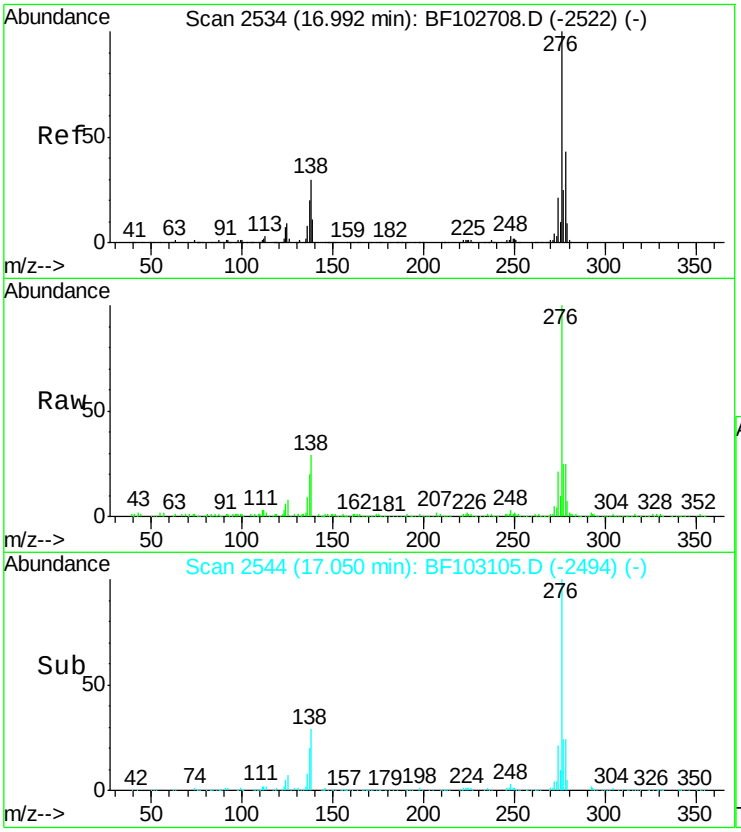


#82
Chrysene
Concen: 41.476 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Tgt Ion:228 Resp: 630219

Ion	Ratio	Lower	Upper
228	100		
226	30.6	25.0	37.6
229	21.5	16.2	24.4

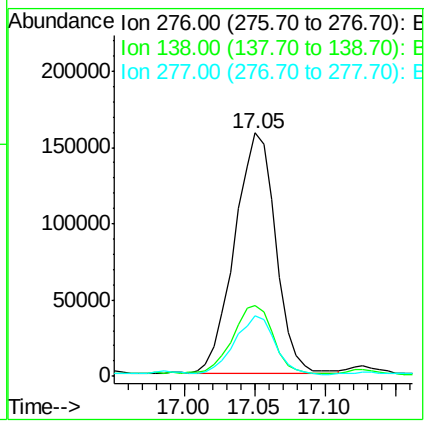




#85
Indeno(1,2,3-cd)pyrene
Concen: 25.353 ng
RT: 17.05 min Scan# 2544
Delta R.T. -0.01 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Tgt Ion:276 Resp: 319503

Ion	Ratio	Lower	Upper
276	100		
138	28.7	25.0	37.6
277	23.9	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
A2_SB44_E-S_6

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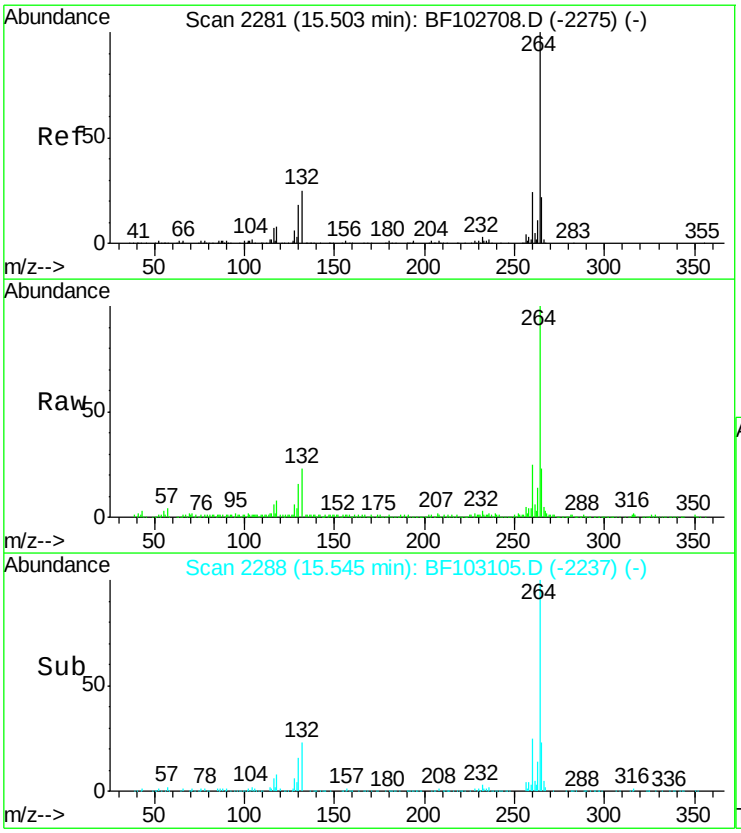
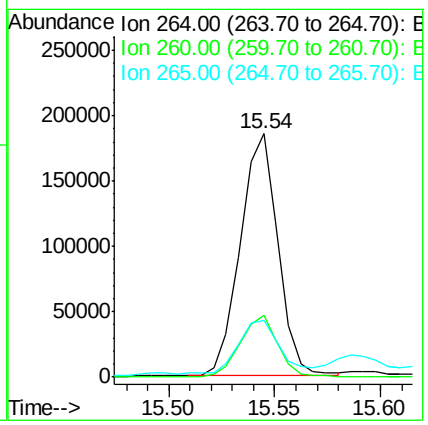
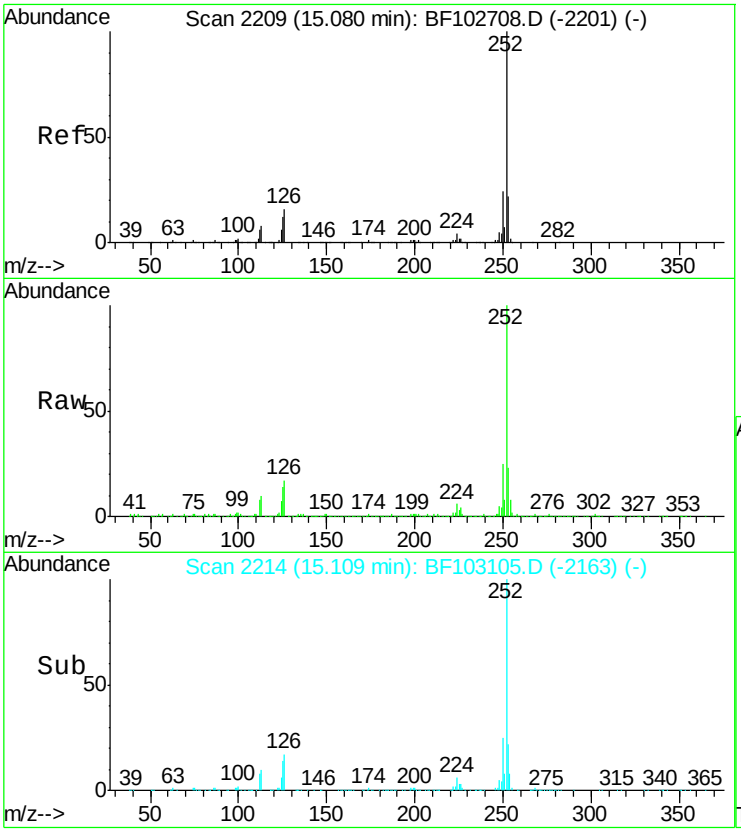


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.54 min Scan# 2288
Delta R.T. -0.00 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Tgt Ion:264 Resp: 230895

Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.2	28.8
265	23.2	17.5	26.3

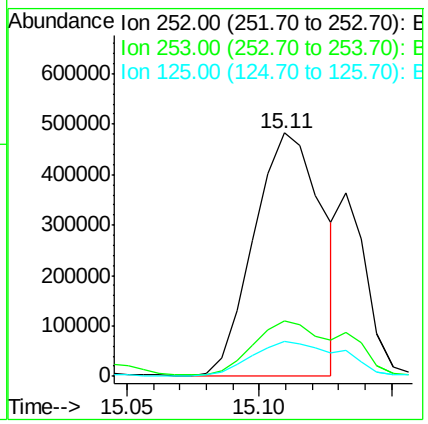




#87
Benzo(b)fluoranthene
Concen: 57.392 ng m
RT: 15.11 min Scan# 2214
Delta R.T. -0.00 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Tgt Ion:252 Resp: 859146

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	14.4	9.0	13.6#



Instrument :
BNA_F
ClientSampleId :
A2_SB44_E-S_6

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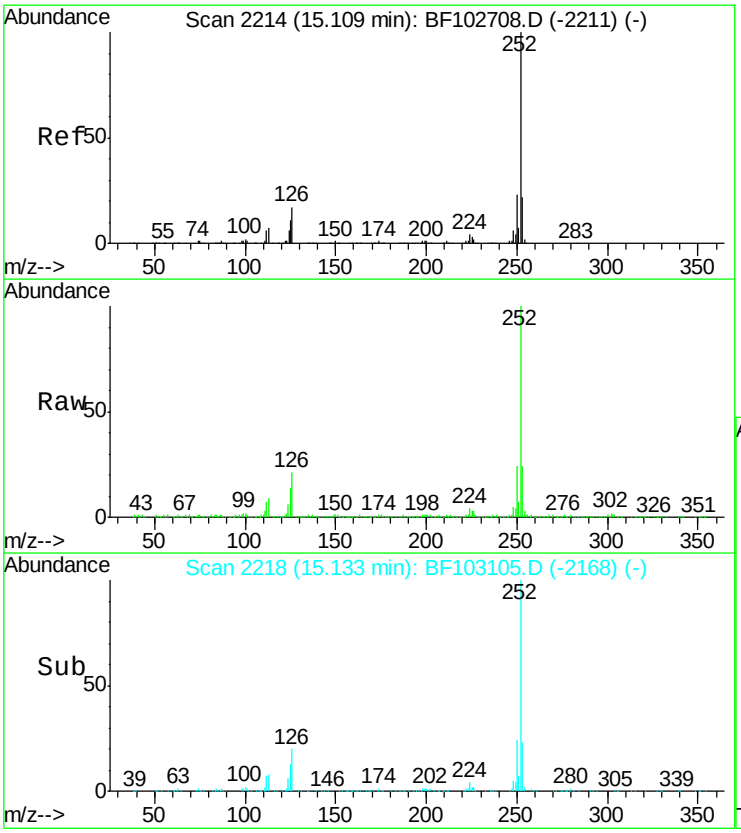
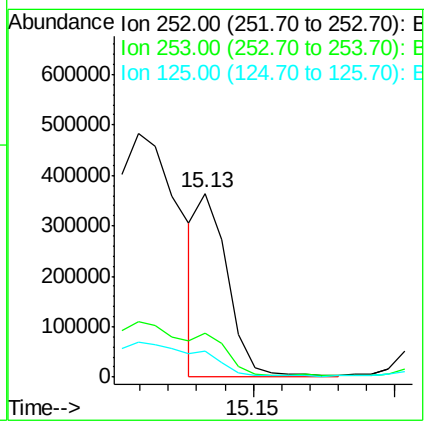
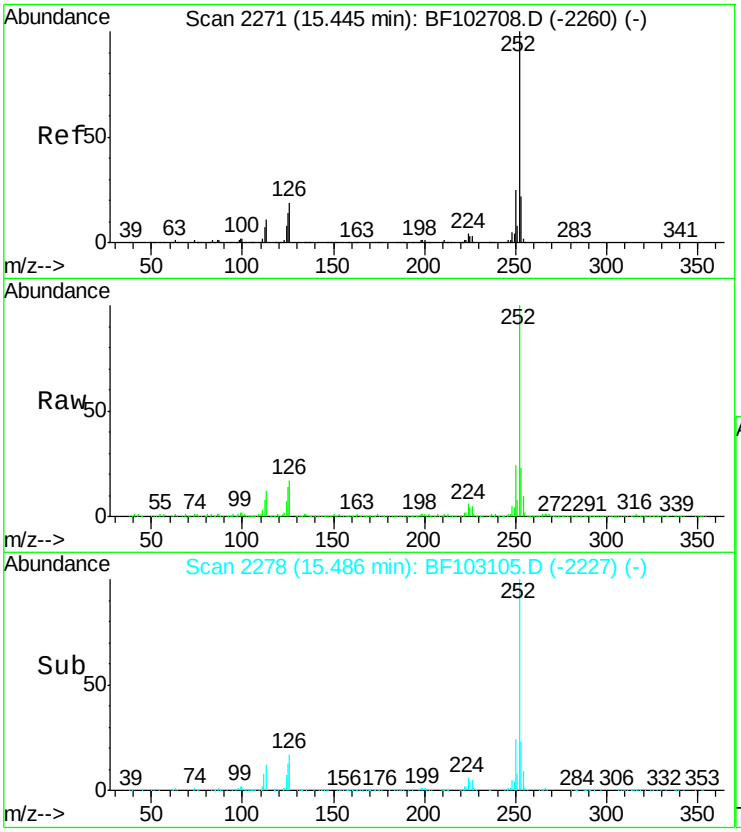


#88
Benzo(k)fluoranthene
Concen: 18.492 ng m
RT: 15.13 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Tgt Ion:252 Resp: 264499

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	14.0	10.2	15.2

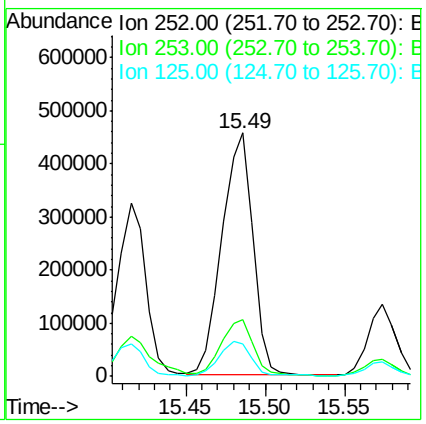




#89
Benzo(a)pyrene
Concen: 46.144 ng
RT: 15.49 min Scan# 2278
Delta R.T. -0.00 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Tgt Ion:252 Resp: 621775

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	13.5	9.8	14.6



Instrument :
BNA_F
ClientSampleId :
A2_SB44_E-S_6

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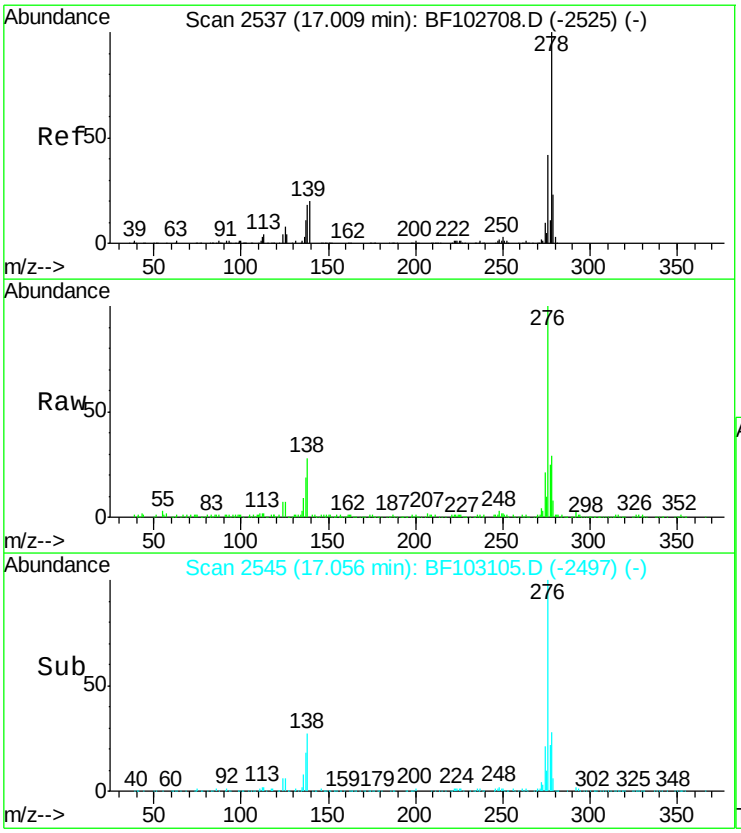
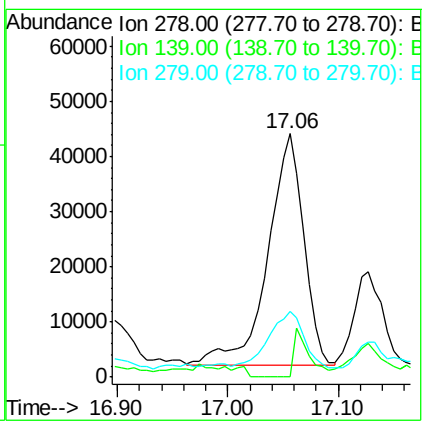
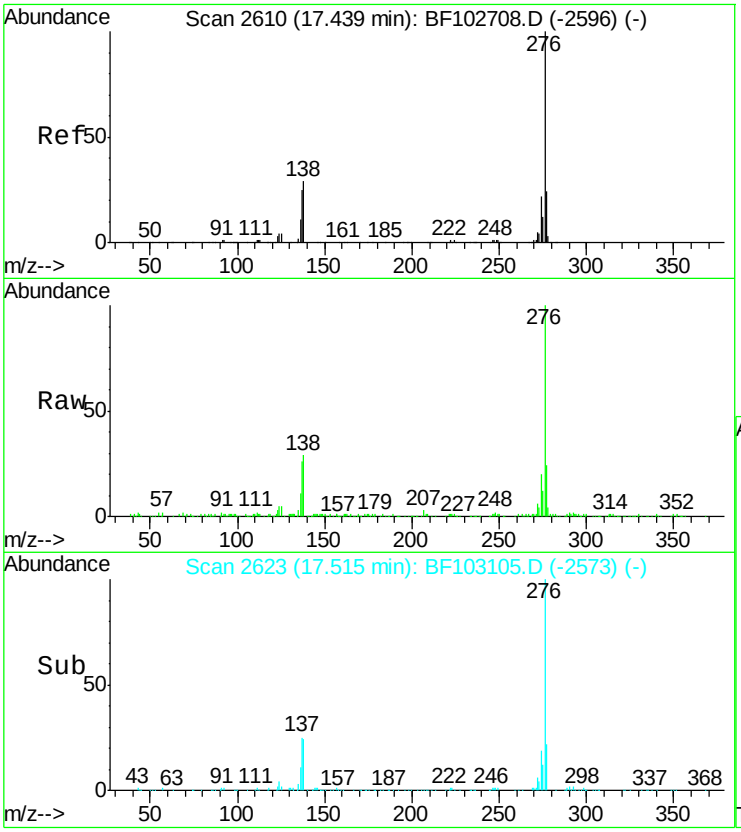


#90
Dibenzo(a,h)anthracene
Concen: 8.782 ng m
RT: 17.06 min Scan# 2545
Delta R.T. -0.02 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Tgt Ion:278 Resp: 96048

Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	26.9	19.0	28.4

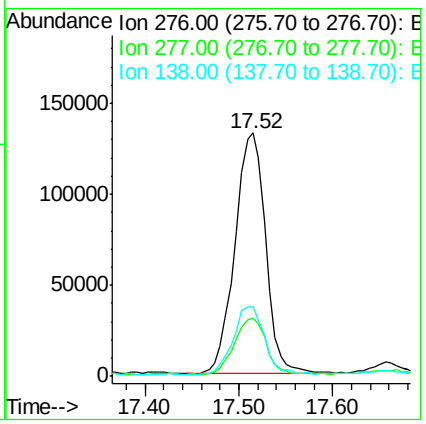




#91
Benzo(g,h,i)perylene
Concen: 28.134 ng
RT: 17.52 min Scan# 2623
Delta R.T. -0.01 min
Lab File: BF103105.D
Acq: 20 Feb 2018 2:14

Tgt Ion:276 Resp: 301171

Ion	Ratio	Lower	Upper
276	100		
277	24.0	17.9	26.9
138	28.7	21.8	32.8



Instrument :
BNA_F
ClientSampleId :
A2_SB44_E-S_6

Manual Integrations APPROVED
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2/20/2018 10:21:12 AM