Quantitation Report (QT/LSC Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF021518\
Data File : BF103022.D
Acq On : 15 Feb 2018 17:21
Operator : SJ/JU
Sample : J1393-05 2X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HR-06-021418-C

Manual Integrations APPROVED
Sohil
2/16/2018 2:31:15 PM

Quant Time: Feb 15 18:10:05 2018
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 15 14:08:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	193827	20.00	ng		0.00
21) Naphthalene-d8	8.16	136	764927	20.00	ng		0.00
38) Acenaphthene-d10	9.92	164	326186	20.00	ng		0.00
63) Phenanthrene-d10	11.40	188	491821	20.00	ng		0.00
75) Chrysene-d12	14.05	240	310440	20.00	ng		0.00
86) Perylene-d12	15.53	264	292145	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.49	112	637107	49.92	ng		0.00
7) Phenol-d6	6.50	99	772351	50.26	ng		0.00
23) Nitrobenzene-d5	7.44	82	460820	41.79	ng		0.00
41) 2,4,6-Tribromophenol	10.70	330	120790	46.01	ng		0.00
44) 2-Fluorobiphenyl	9.23	172	708927	36.06	ng		0.00
78) Terphenyl-d14	12.99	244	482968	36.84	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	8.18	128	121465	3.250	ng	#	90
37) 2-Methylnaphthalene	8.87	142	139520	5.702	ng		99
45) 1,1'-Biphenyl	9.33	154	56769	2.066	ng		97
51) Acenaphthene	9.95	154	200707	9.990	ng		99
54) Dibenzofuran	10.12	168	204057	7.207	ng		99
57) Fluorene	10.46	166	311803	15.136	ng		98
70) Phenanthrene	11.43	178	1746524	63.762	ng		99
71) Anthracene	11.48	178	667022	23.942	ng		99
72) Carbazole	11.63	167	88832	3.255	ng		98
74) Fluoranthene	12.63	202	1948293	70.696	ng		99
77) Pyrene	12.86	202	1754757	72.084	ng		99
80) Benzo(a)anthracene	14.04	228	991624	50.791	ng		99
82) Chrysene	14.07	228	781500	39.708	ng		98
85) Indeno(1,2,3-cd)pyrene	17.04	276	349126	21.389	ng		95
87) Benzo(b)fluoranthene	15.10	252	953667m	50.350	ng		
88) Benzo(k)fluoranthene	15.12	252	337618m	18.655	ng		
89) Benzo(a)pyrene	15.47	252	678350	39.788	ng	#	94
90) Dibenzo(a,h)anthracene	17.04	278	90245	6.521	ng	#	90
91) Benzo(g,h,i)perylene	17.50	276	322981	23.846	ng		97

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

Quantitation Report (QT/LSC Reviewed)

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF021518\
Data File : BF103022.D
Acq On : 15 Feb 2018 17:21
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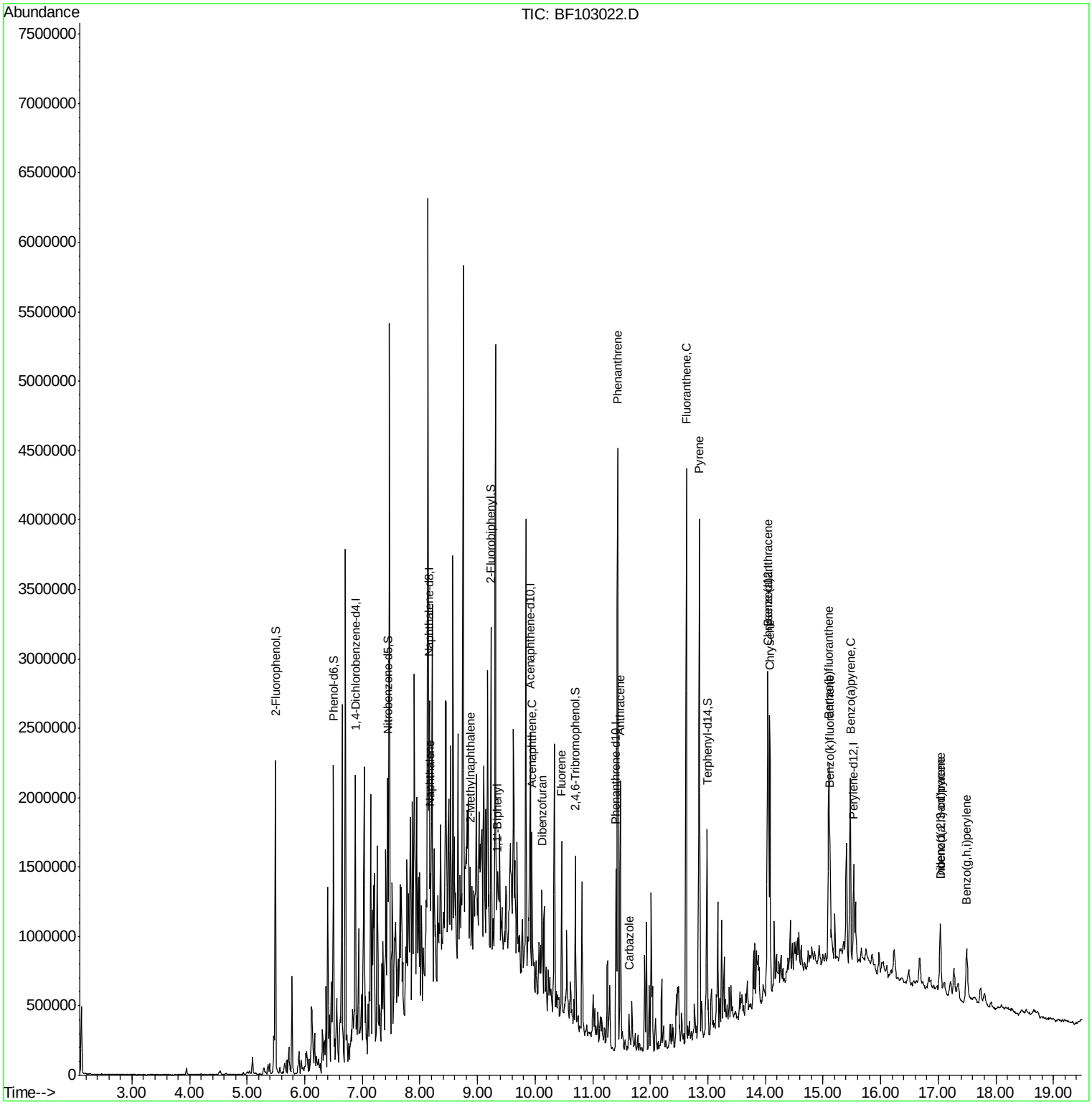
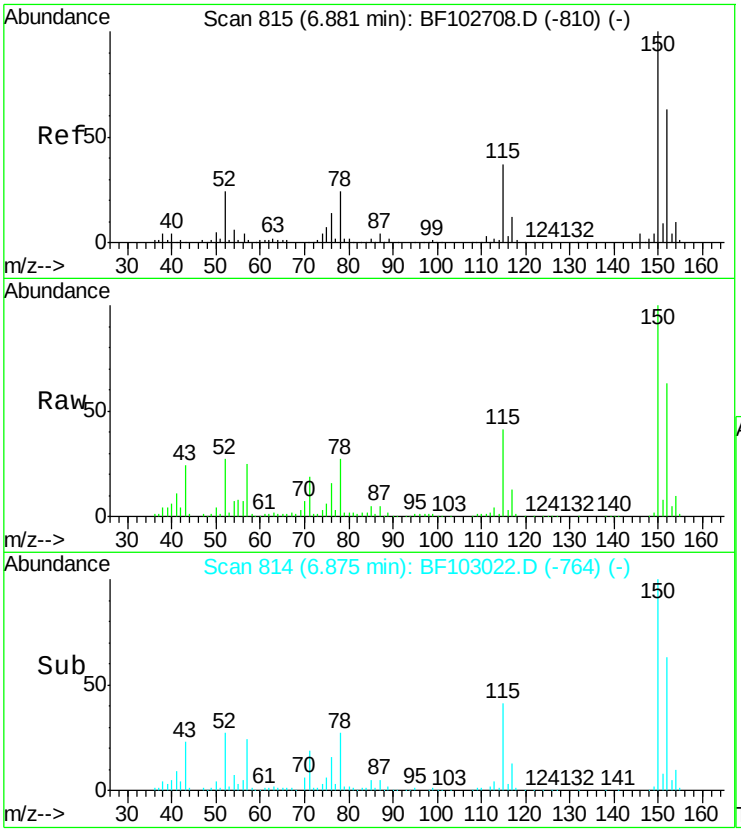
Instrument :
BNA_F
ClientSampleId :
HR-06-021418-C

Manual Integrations APPROVED
Sohil
2/16/2018 2:31:15 PM

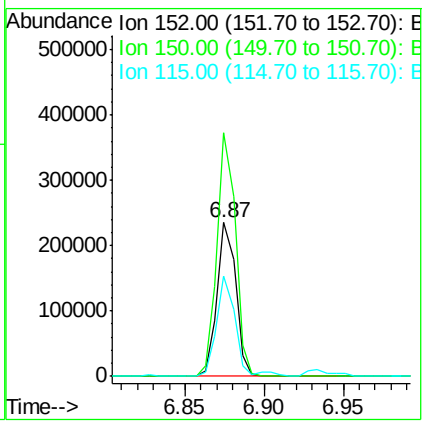




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF103022.D
Acq: 15 Feb 2018 17:21

Tgt Ion:152 Resp: 193827

Ion	Ratio	Lower	Upper
152	100		
150	158.4	124.6	186.8
115	65.3	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
HR-06-021418-C

Manual Integrations APPROVED
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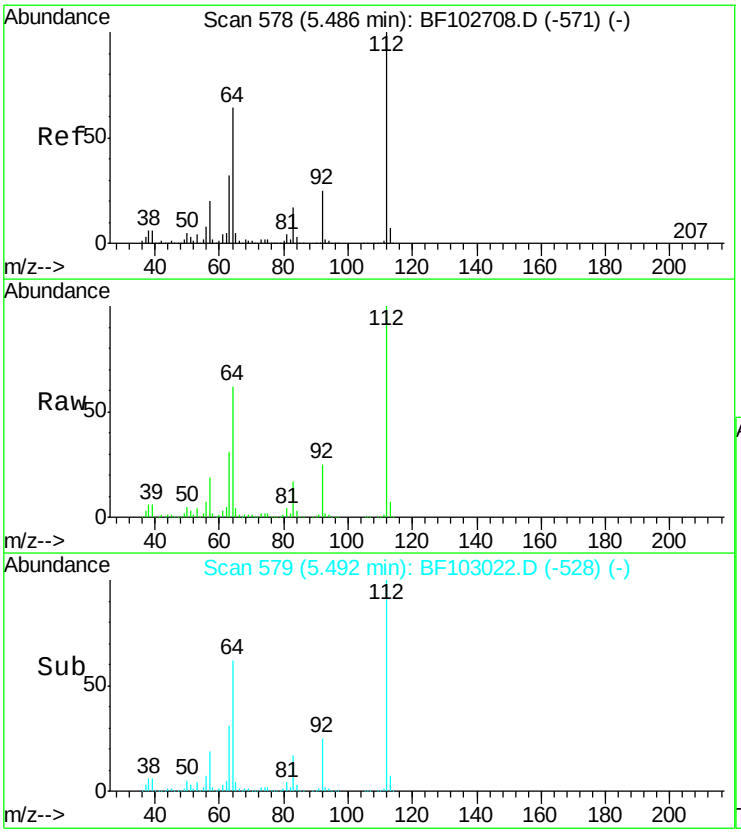
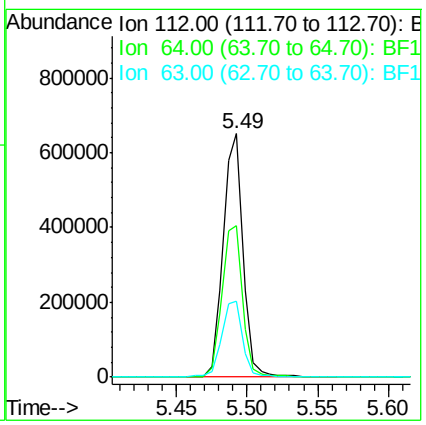
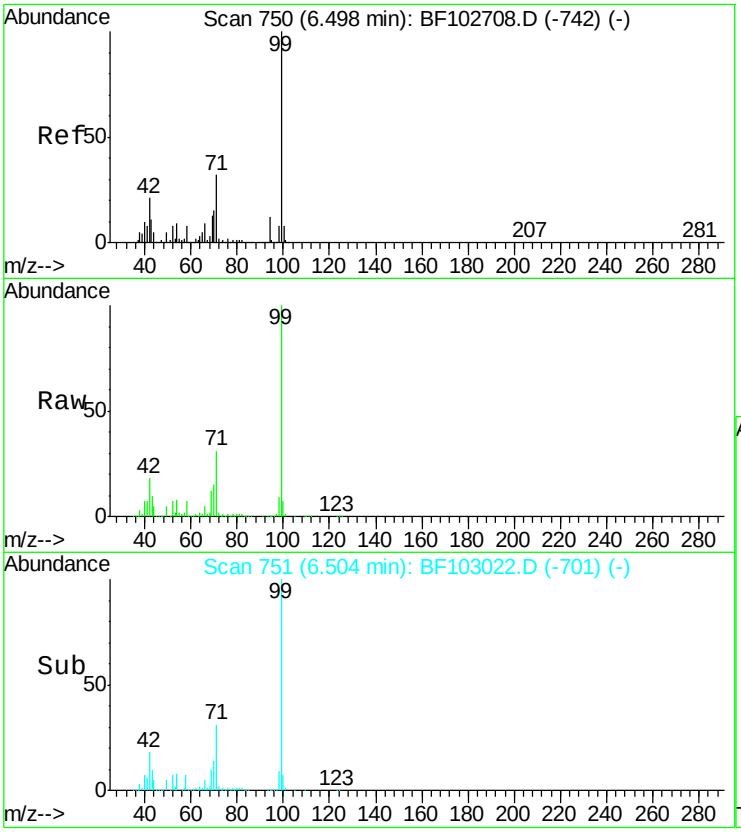


#5
2-Fluorophenol
Concen: 49.918 ng
RT: 5.49 min Scan# 579
Delta R.T. -0.00 min
Lab File: BF103022.D
Acq: 15 Feb 2018 17:21

Tgt Ion:112 Resp: 637107

Ion	Ratio	Lower	Upper
112	100		
64	62.1	47.9	71.9
63	31.1	23.7	35.5

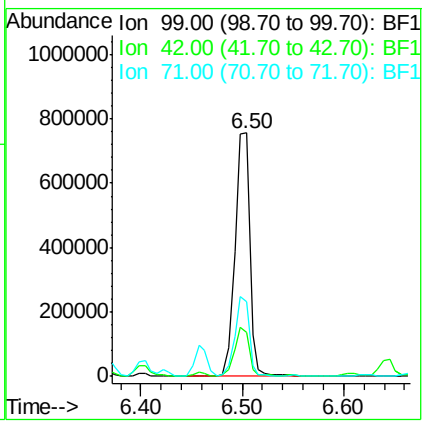




#7
Phenol-d6
Concen: 50.259 ng
RT: 6.50 min Scan# 751
Delta R.T. -0.01 min
Lab File: BF103022.D
Acq: 15 Feb 2018 17:21

Tgt Ion: 99 Resp: 772351

Ion	Ratio	Lower	Upper
99	100		
42	18.1	14.5	21.7
71	30.9	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
HR-06-021418-C

Manual Integrations APPROVED
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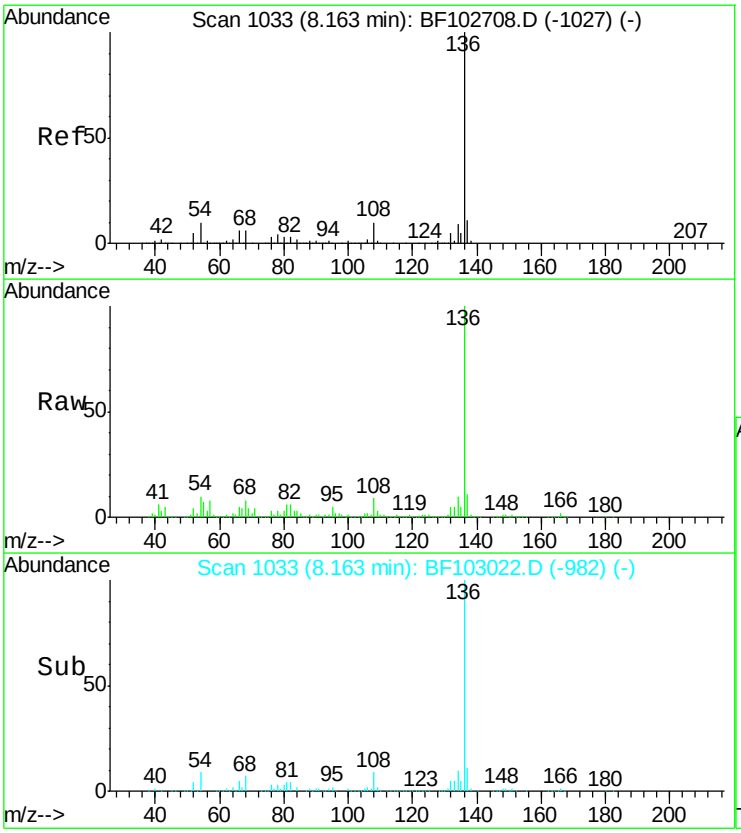
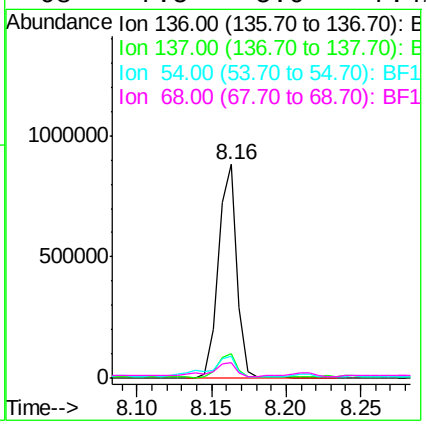
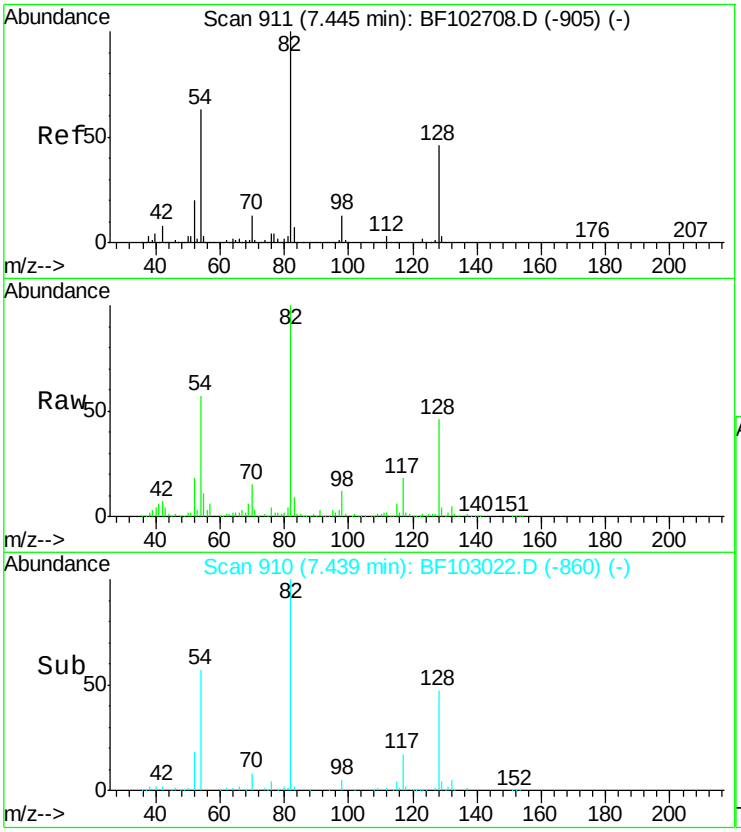


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.00 min
Lab File: BF103022.D
Acq: 15 Feb 2018 17:21

Tgt Ion:136 Resp: 764927

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	10.0	6.6	9.8#
68	7.5	5.0	7.4#

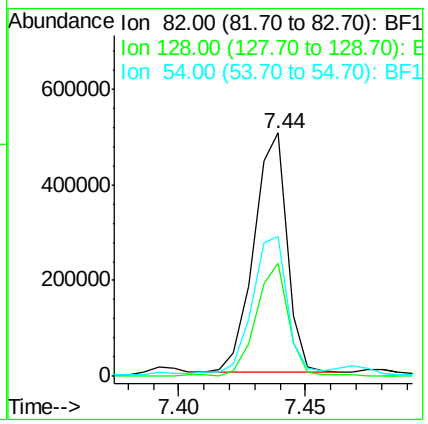




#23
Nitrobenzene-d5
Concen: 41.791 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF103022.D
Acq: 15 Feb 2018 17:21

Tgt Ion: 82 Resp: 460820

Ion	Ratio	Lower	Upper
82	100		
128	46.4	36.1	54.1
54	57.4	41.4	62.2



Instrument :
BNA_F
ClientSampleId :
HR-06-021418-C

Manual Integrations APPROVED
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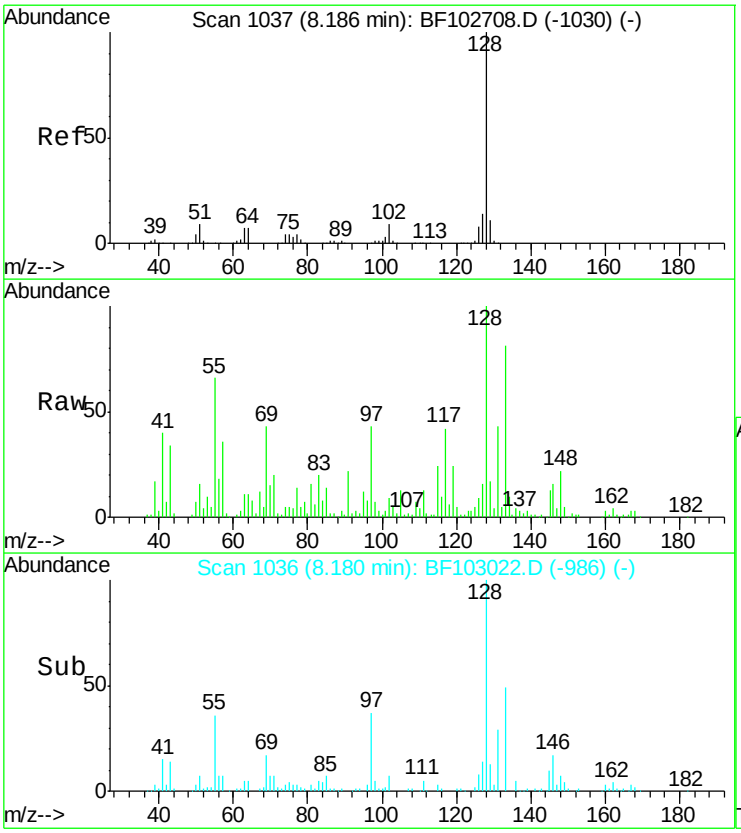
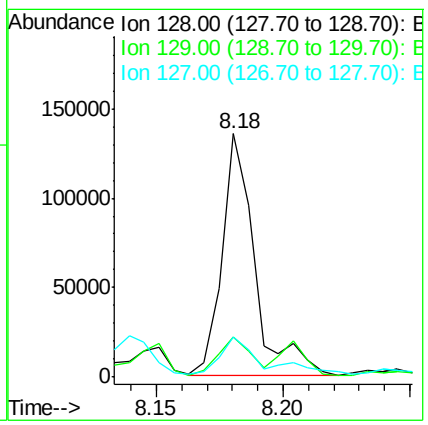
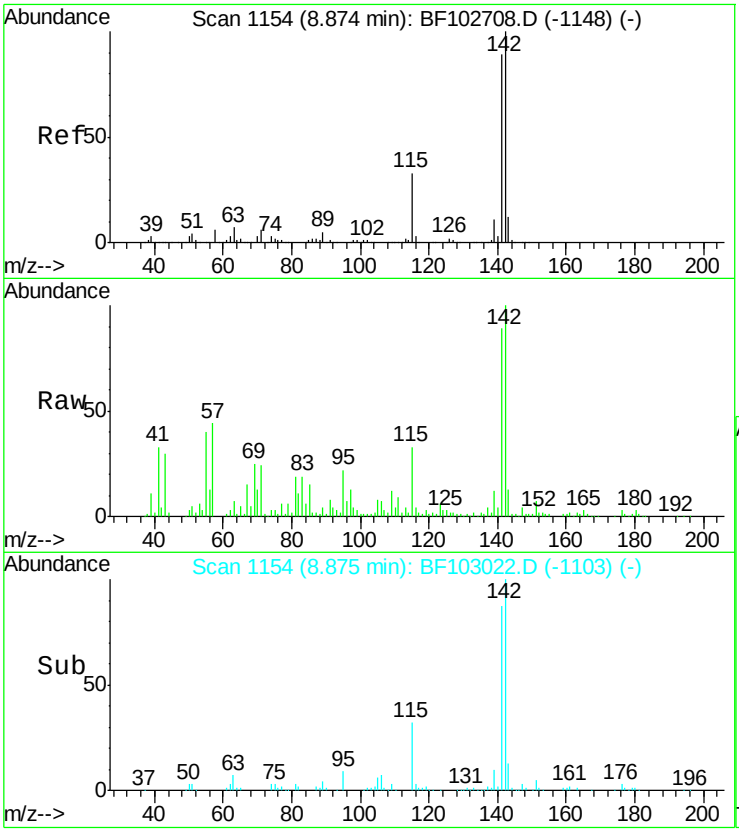


#31
Naphthalene
Concen: 3.250 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.01 min
Lab File: BF103022.D
Acq: 15 Feb 2018 17:21

Tgt Ion:128 Resp: 121465

Ion	Ratio	Lower	Upper
128	100		
129	16.5	8.8	13.2#
127	16.3	10.9	16.3#

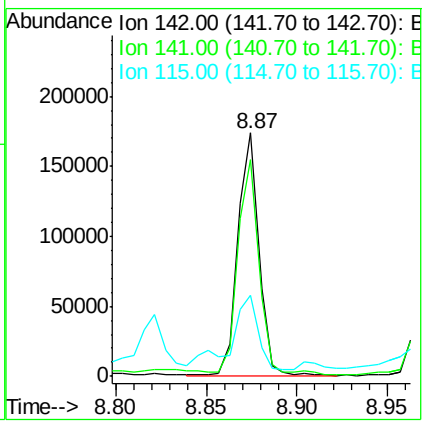




#37
2-Methylnaphthalene
Concen: 5.702 ng
RT: 8.87 min Scan# 1154
Delta R.T. -0.00 min
Lab File: BF103022.D
Acq: 15 Feb 2018 17:21

Tgt Ion:142 Resp: 139520

Ion	Ratio	Lower	Upper
142	100		
141	89.1	70.8	106.2
115	33.3	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
HR-06-021418-C

Manual Integrations APPROVED
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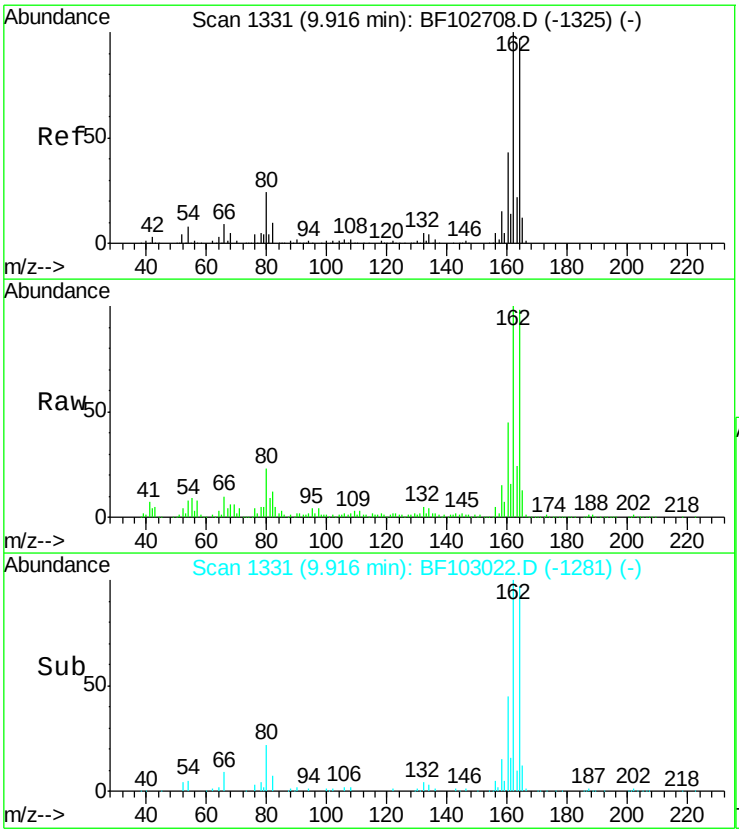
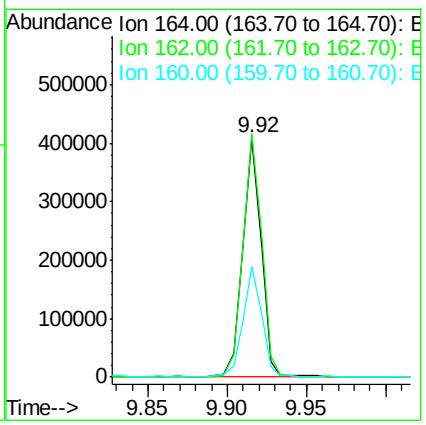
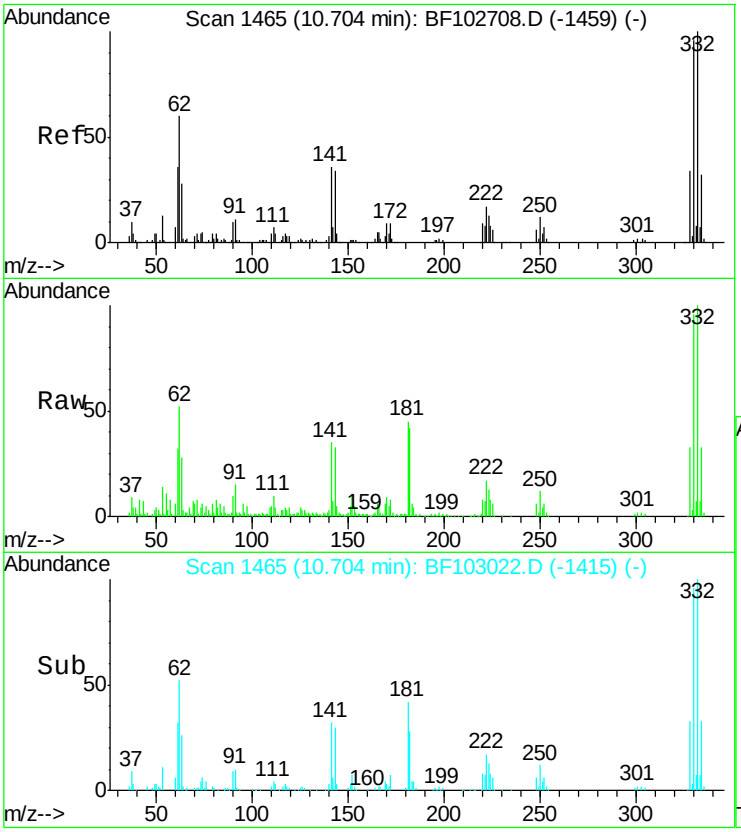


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF103022.D
Acq: 15 Feb 2018 17:21

Tgt Ion:164 Resp: 326186

Ion	Ratio	Lower	Upper
164	100		
162	101.9	86.1	129.1
160	46.1	38.3	57.5

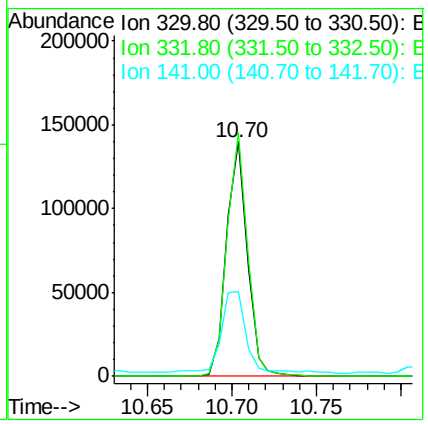




#41
2,4,6-Tribromophenol
Concen: 46.008 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.01 min
Lab File: BF103022.D
Acq: 15 Feb 2018 17:21

Tgt Ion:330 Resp: 120790

Ion	Ratio	Lower	Upper
330	100		
332	102.5	77.0	115.6
141	39.8	29.9	44.9



Instrument :
BNA_F
ClientSampleId :
HR-06-021418-C

Manual Integrations APPROVED
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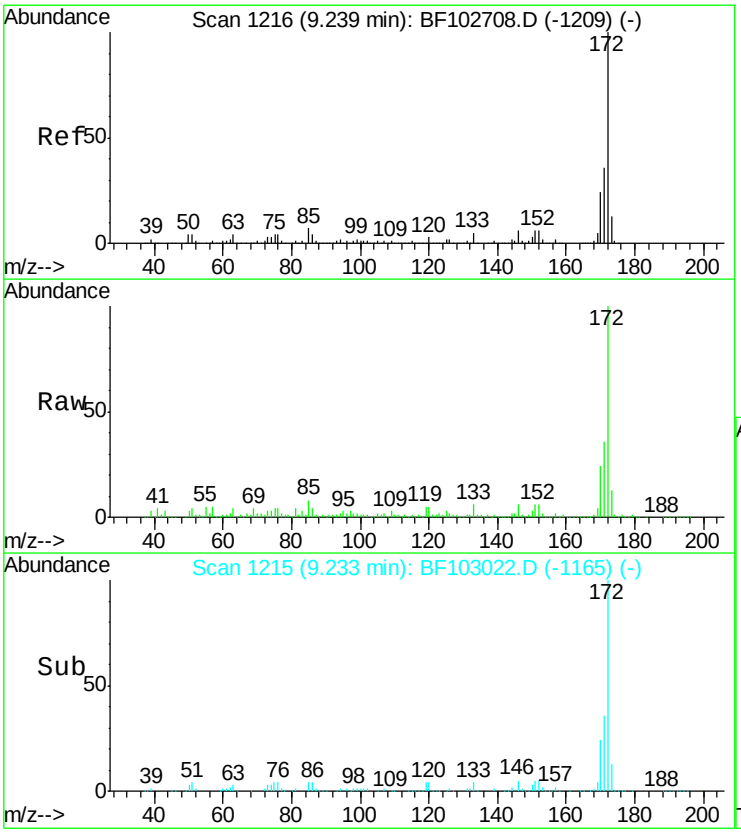
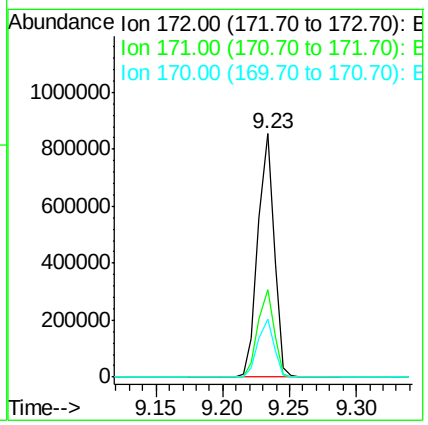
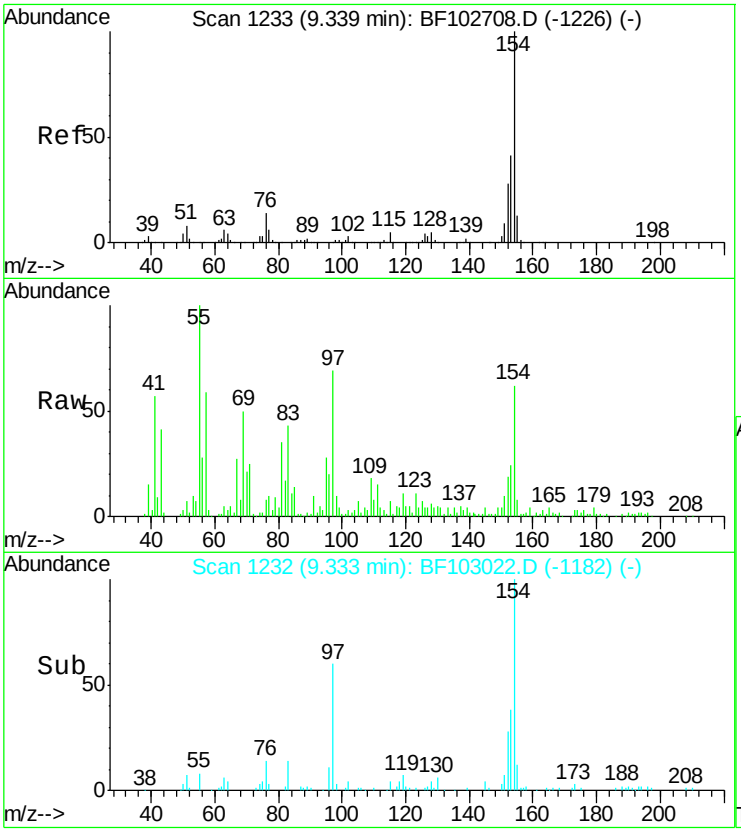


#44
2-Fluorobiphenyl
Concen: 36.064 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF103022.D
Acq: 15 Feb 2018 17:21

Tgt Ion:172 Resp: 708927

Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.7	44.5
170	24.1	19.6	29.4

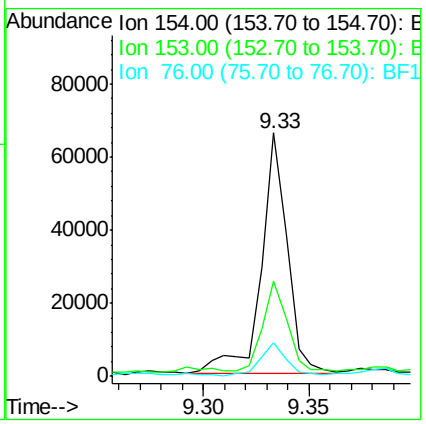




#45
1,1'-Biphenyl
Concen: 2.066 ng
RT: 9.33 min Scan# 1232
Delta R.T. -0.01 min
Lab File: BF103022.D
Acq: 15 Feb 2018 17:21

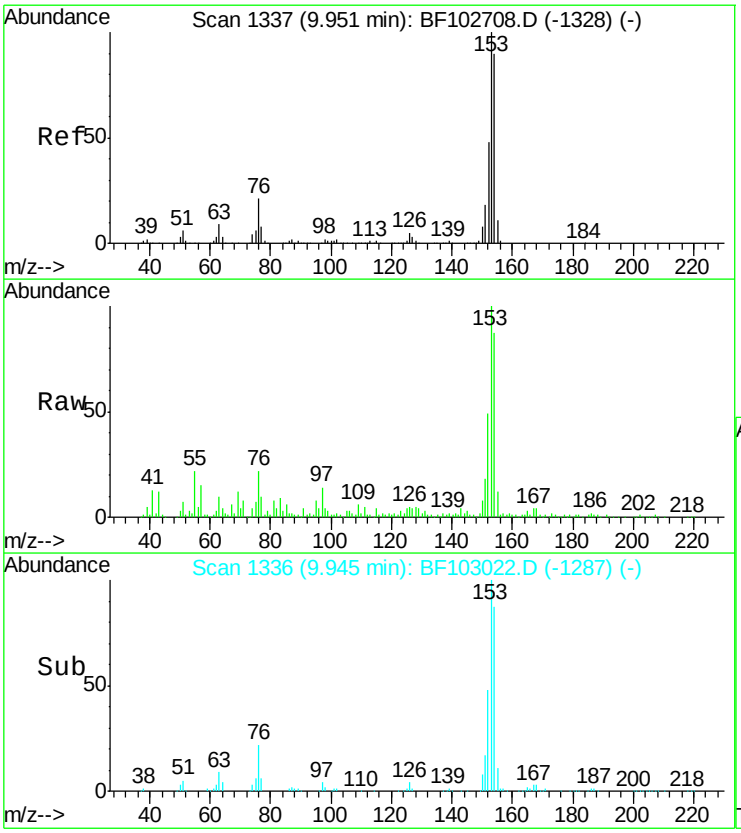
Tgt Ion:154 Resp: 56769

Ion	Ratio	Lower	Upper
154	100		
153	39.0	21.3	61.3
76	13.7	0.0	34.0



Instrument :
BNA_F
ClientSampleId :
HR-06-021418-C

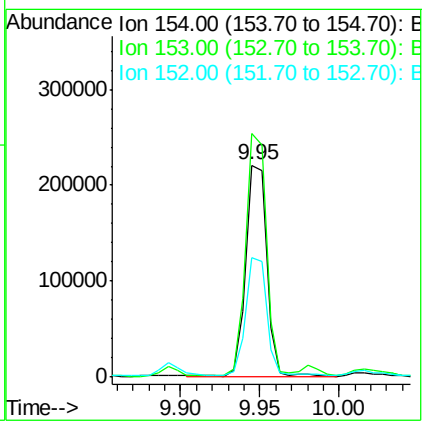
Manual Integrations APPROVED
Sohil
2/16/2018 2:31:15 PM

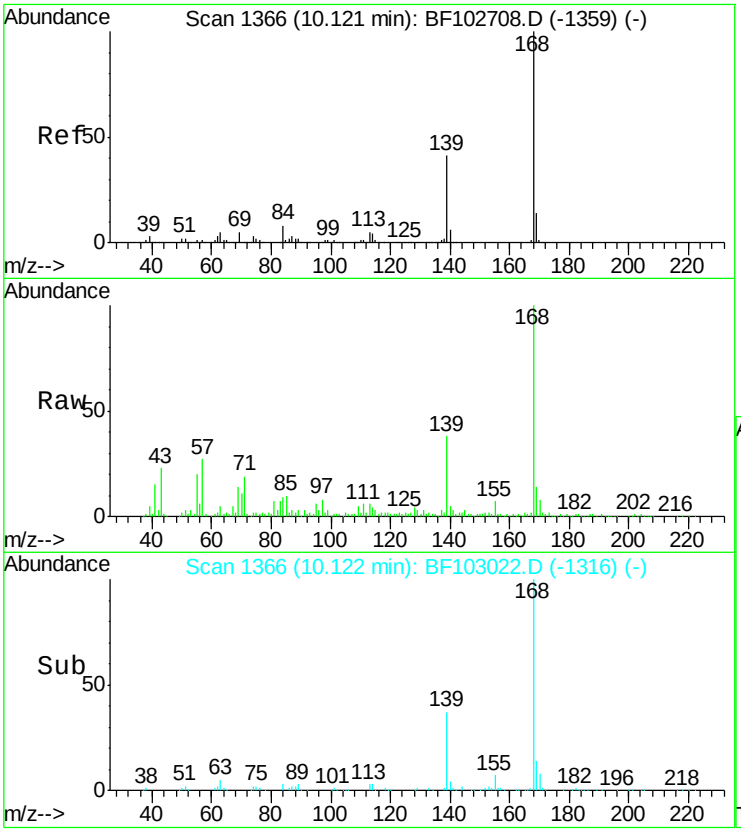


#51
Acenaphthene
Concen: 9.990 ng
RT: 9.95 min Scan# 1336
Delta R.T. -0.01 min
Lab File: BF103022.D
Acq: 15 Feb 2018 17:21

Tgt Ion:154 Resp: 200707

Ion	Ratio	Lower	Upper
154	100		
153	114.9	91.2	136.8
152	56.1	43.8	65.8

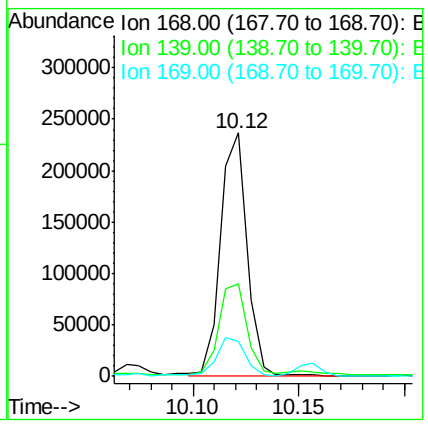




#54
Dibenzofuran
Concen: 7.207 ng
RT: 10.12 min Scan# 1366
Delta R.T. -0.01 min
Lab File: BF103022.D
Acq: 15 Feb 2018 17:21

Tgt Ion:168 Resp: 204057

Ion	Ratio	Lower	Upper
168	100		
139	38.2	30.1	45.1
169	14.4	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
HR-06-021418-C

Manual Integrations APPROVED
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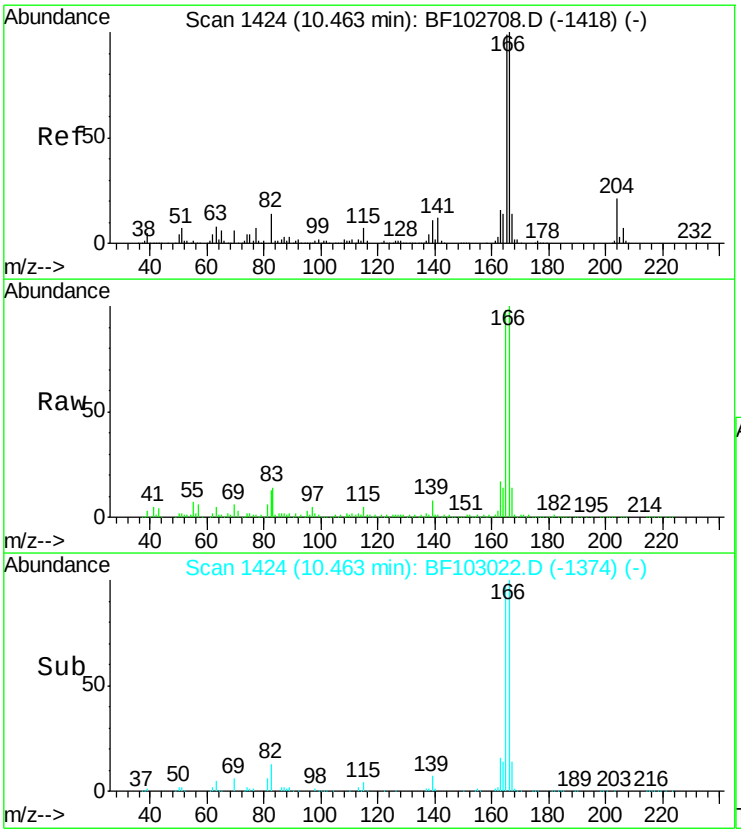
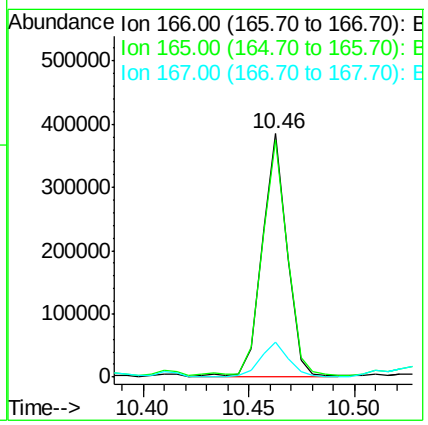
2/16/2018 2:31:15 PM

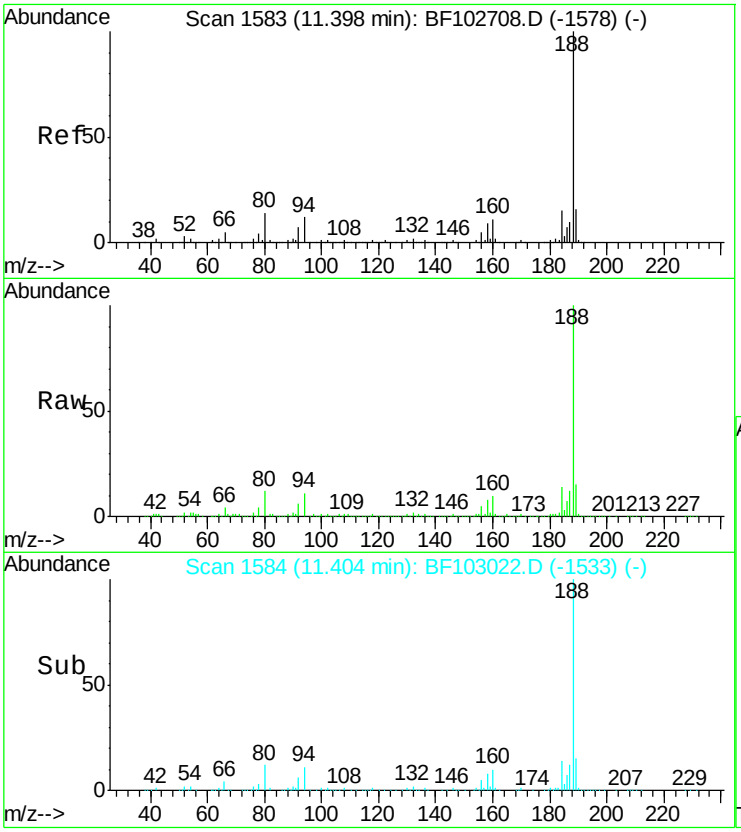


#57
Fluorene
Concen: 15.136 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF103022.D
Acq: 15 Feb 2018 17:21

Tgt Ion:166 Resp: 311803

Ion	Ratio	Lower	Upper
166	100		
165	97.5	79.8	119.8
167	14.2	10.6	16.0

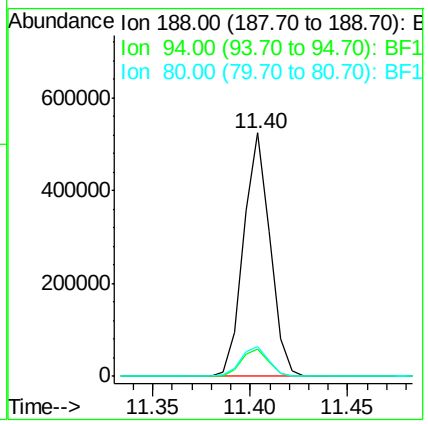




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.00 min
Lab File: BF103022.D
Acq: 15 Feb 2018 17:21

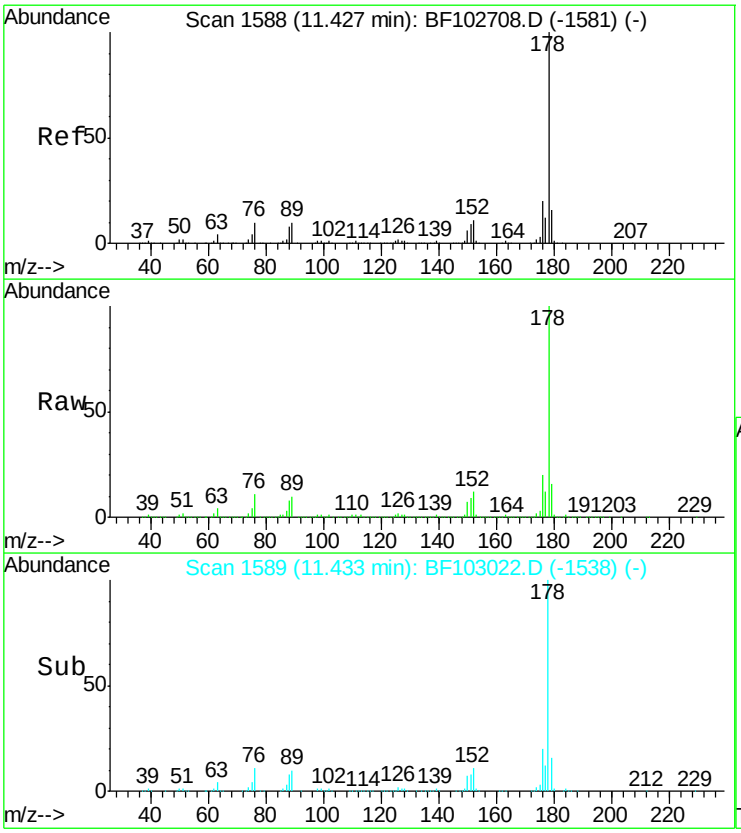
Tgt Ion:188 Resp: 491821

Ion	Ratio	Lower	Upper
188	100		
94	11.3	8.5	12.7
80	12.4	9.2	13.8



Instrument :
BNA_F
ClientSampleId :
HR-06-021418-C

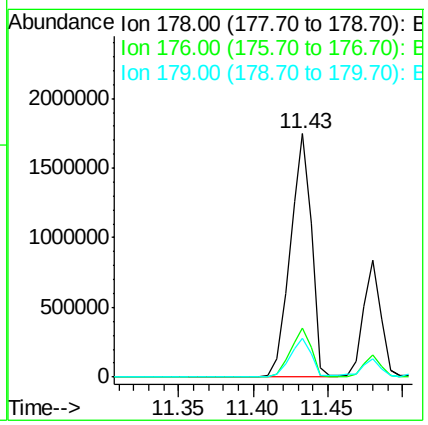
Manual Integrations APPROVED
Sohil
2/16/2018 2:31:15 PM

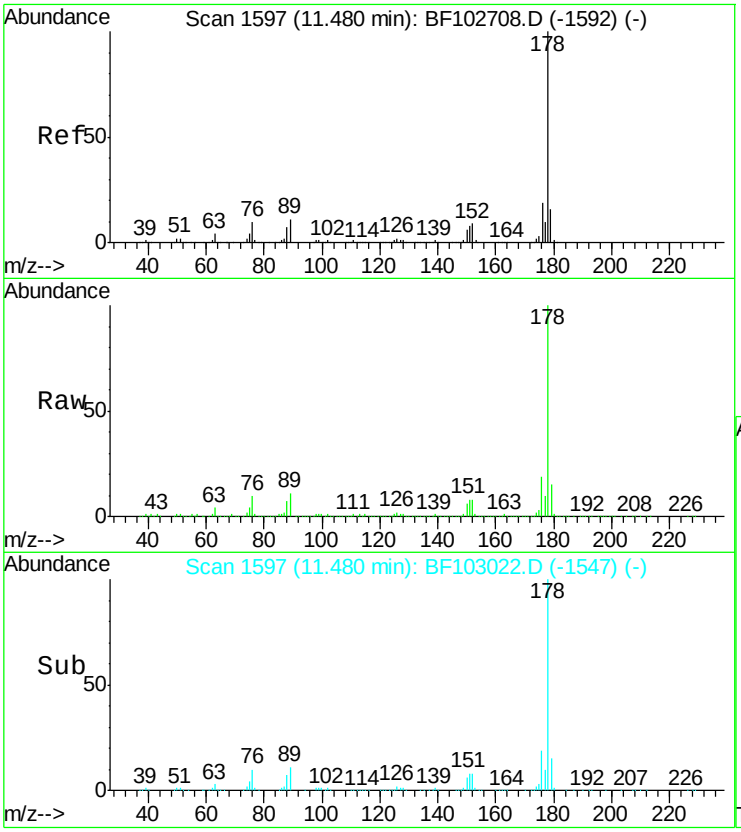


#70
Phenanthrene
Concen: 63.762 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.00 min
Lab File: BF103022.D
Acq: 15 Feb 2018 17:21

Tgt Ion:178 Resp: 1746524

Ion	Ratio	Lower	Upper
178	100		
176	20.3	15.8	23.8
179	15.7	13.0	19.6

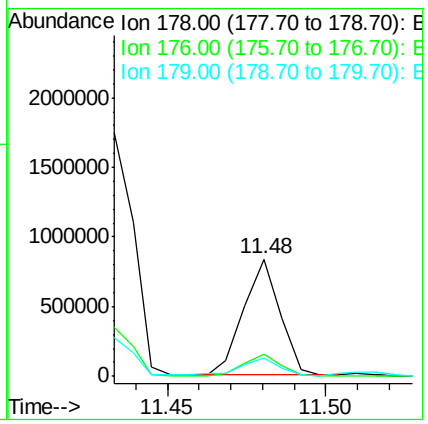




#71
Anthracene
Concen: 23.942 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF103022.D
Acq: 15 Feb 2018 17:21

Tgt Ion:178 Resp: 667022

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	15.5	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
HR-06-021418-C

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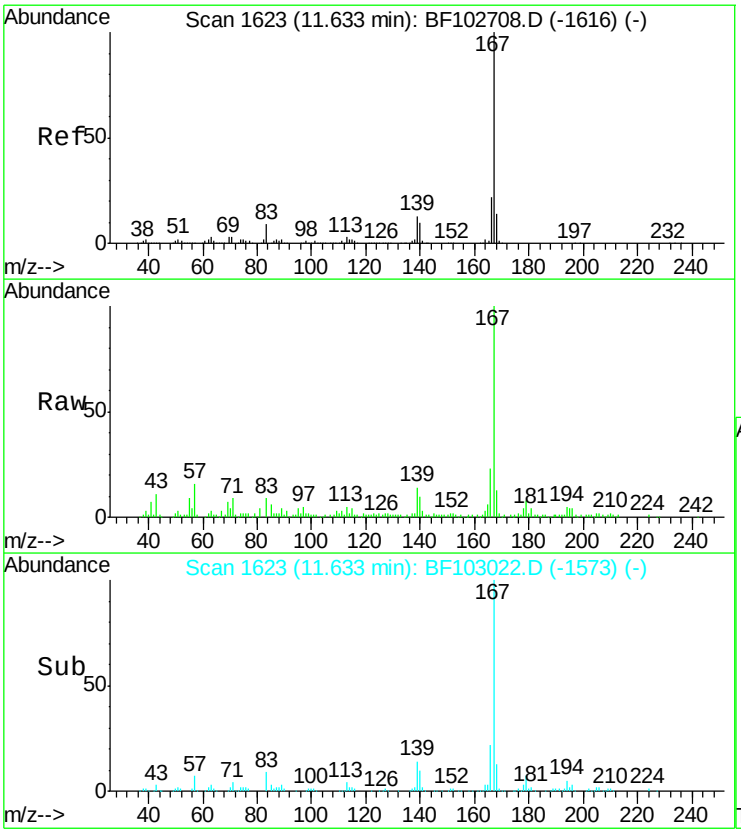
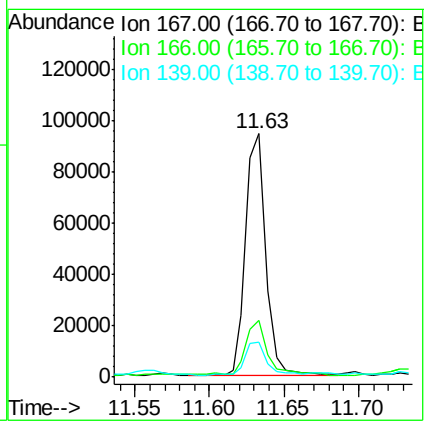
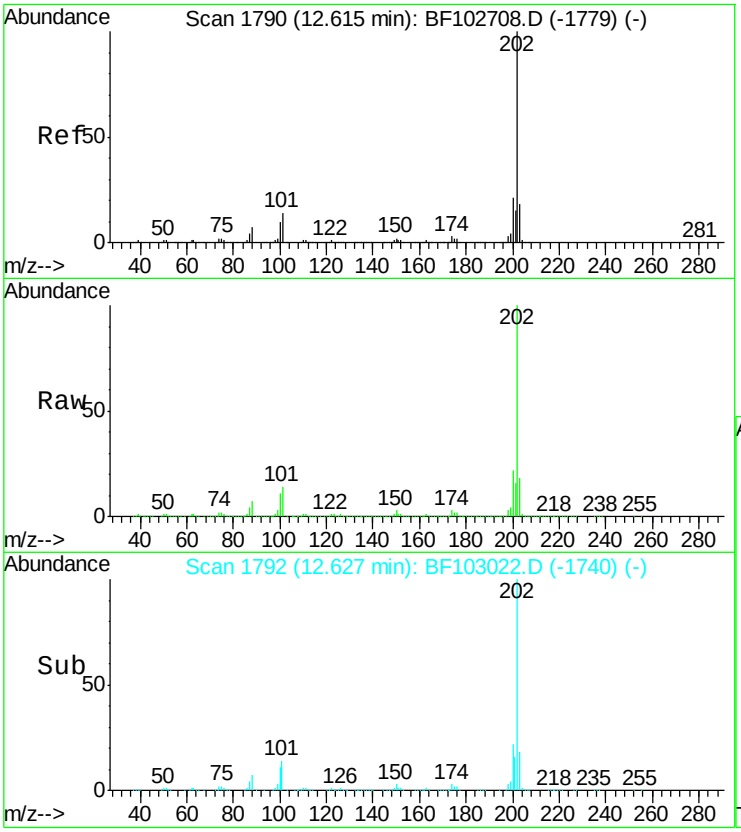


#72
Carbazole
Concen: 3.255 ng
RT: 11.63 min Scan# 1623
Delta R.T. -0.01 min
Lab File: BF103022.D
Acq: 15 Feb 2018 17:21

Tgt Ion:167 Resp: 88832

Ion	Ratio	Lower	Upper
167	100		
166	23.3	17.6	26.4
139	14.5	10.9	16.3

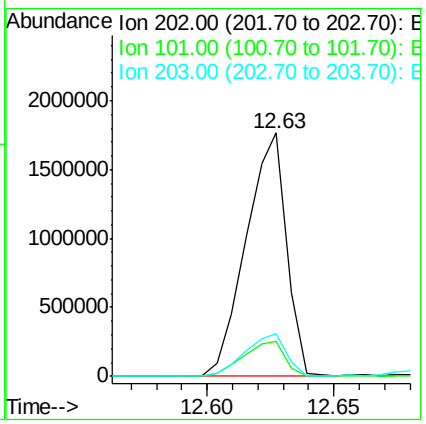




#74
Fluoranthene
Concen: 70.696 ng
RT: 12.63 min Scan# 1792
Delta R.T. 0.01 min
Lab File: BF103022.D
Acq: 15 Feb 2018 17:21

Tgt Ion:202 Resp: 1948293

Ion	Ratio	Lower	Upper
202	100		
101	14.2	0.0	34.1
203	17.8	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
HR-06-021418-C

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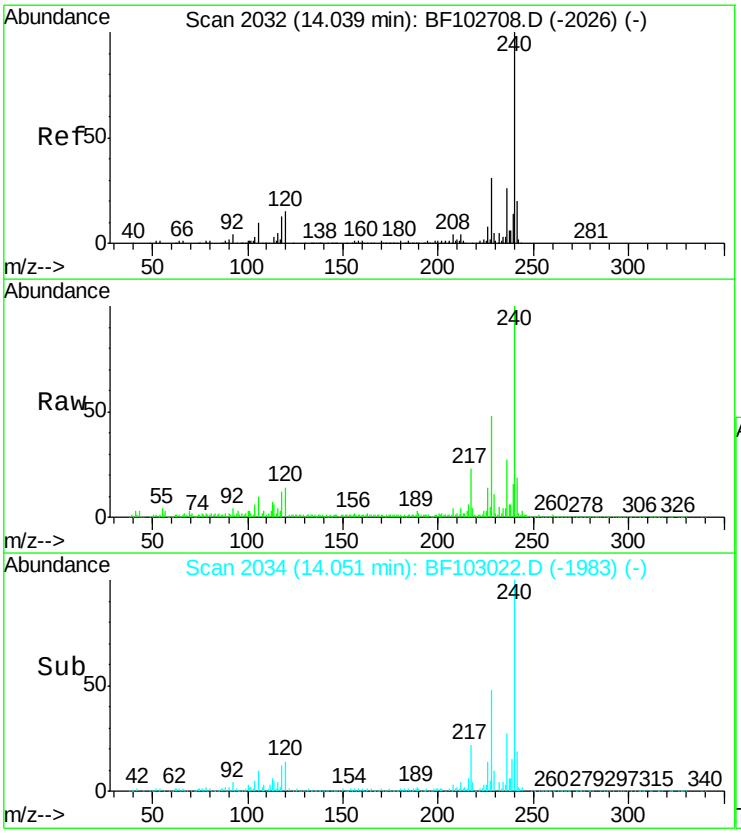
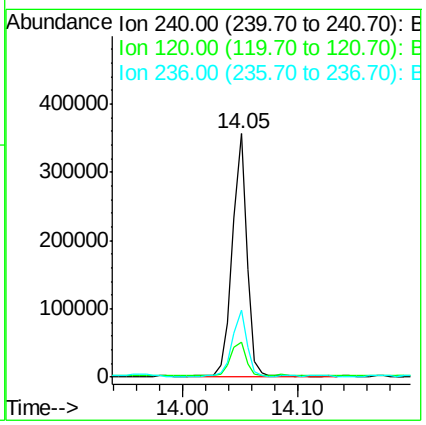
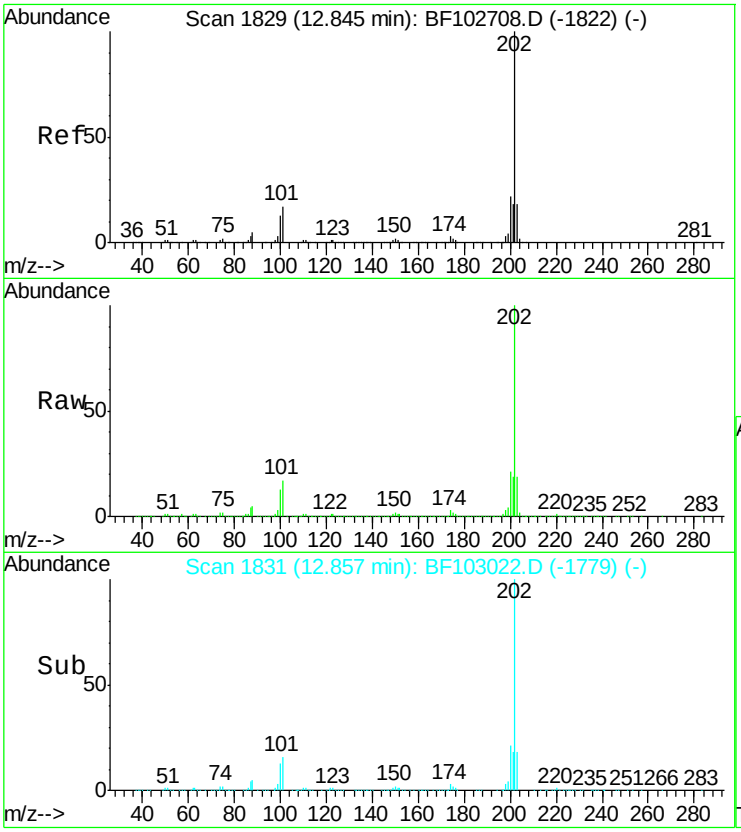


#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.05 min Scan# 2034
Delta R.T. -0.00 min
Lab File: BF103022.D
Acq: 15 Feb 2018 17:21

Tgt Ion:240 Resp: 310440

Ion	Ratio	Lower	Upper
240	100		
120	14.4	9.5	14.3#
236	27.3	20.7	31.1

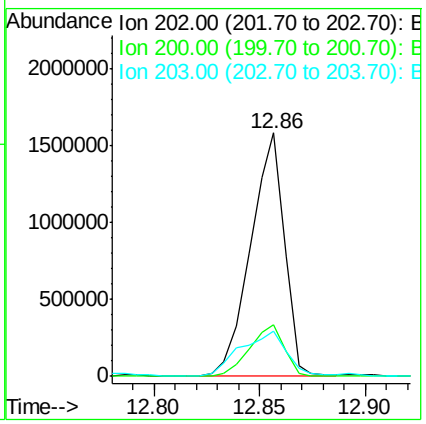




#77
Pyrene
Concen: 72.084 ng
RT: 12.86 min Scan# 1831
Delta R.T. 0.01 min
Lab File: BF103022.D
Acq: 15 Feb 2018 17:21

Tgt Ion:202 Resp: 1754757

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.4	26.2
203	18.6	14.3	21.5



Instrument :
BNA_F
ClientSampleId :
HR-06-021418-C

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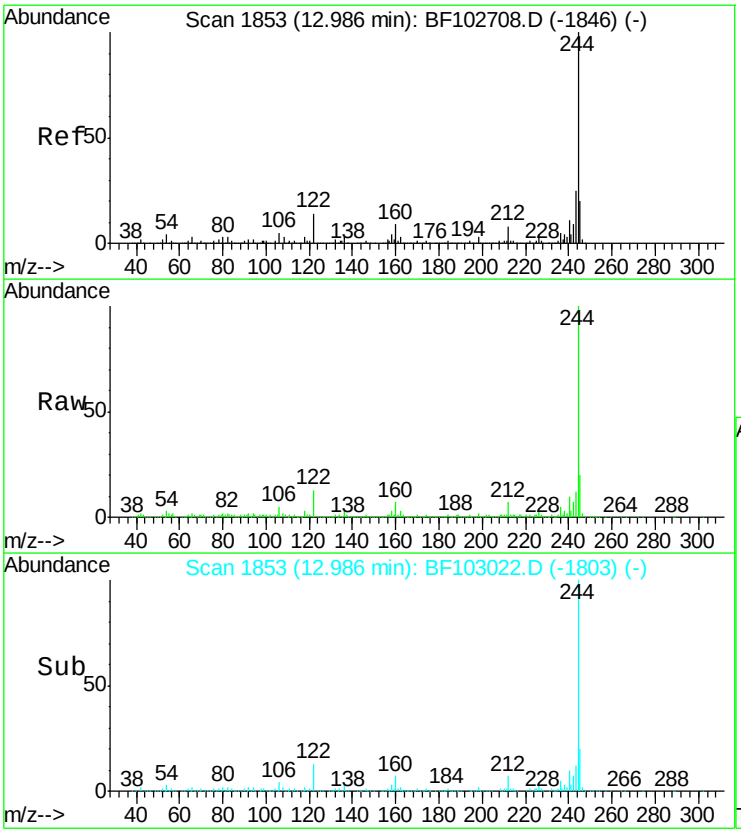
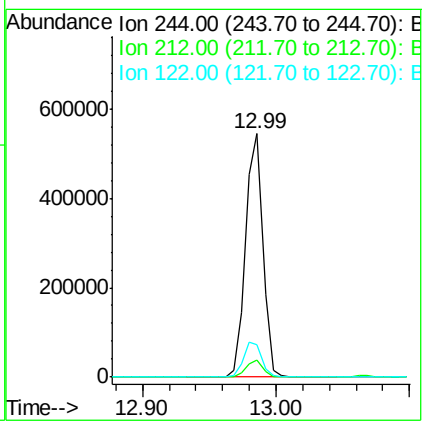
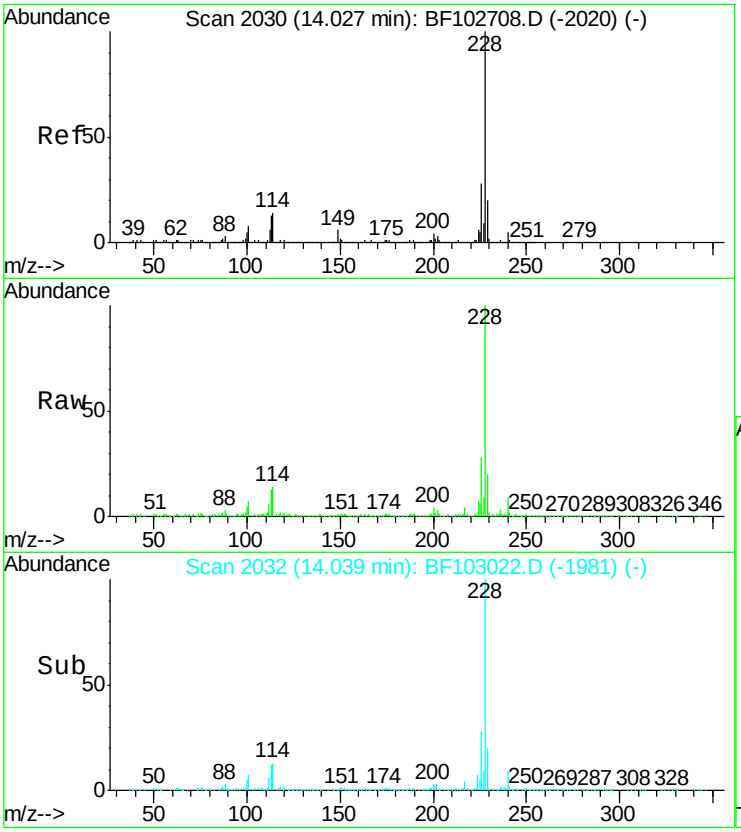


#78
Terphenyl-d14
Concen: 36.837 ng
RT: 12.99 min Scan# 1853
Delta R.T. -0.01 min
Lab File: BF103022.D
Acq: 15 Feb 2018 17:21

Tgt Ion:244 Resp: 482968

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	13.2	11.0	16.4

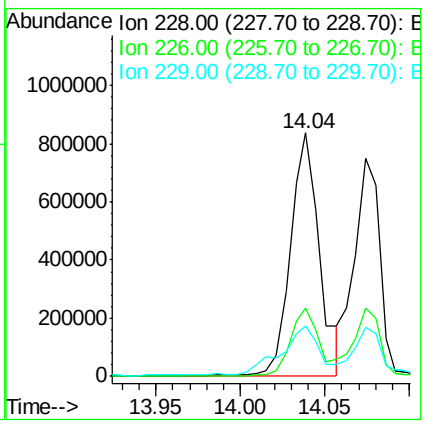




#80
Benzo(a)anthracene
Concen: 50.791 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BF103022.D
Acq: 15 Feb 2018 17:21

Tgt Ion:228 Resp: 991624

Ion	Ratio	Lower	Upper
228	100		
226	28.1	22.6	33.8
229	20.4	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
HR-06-021418-C

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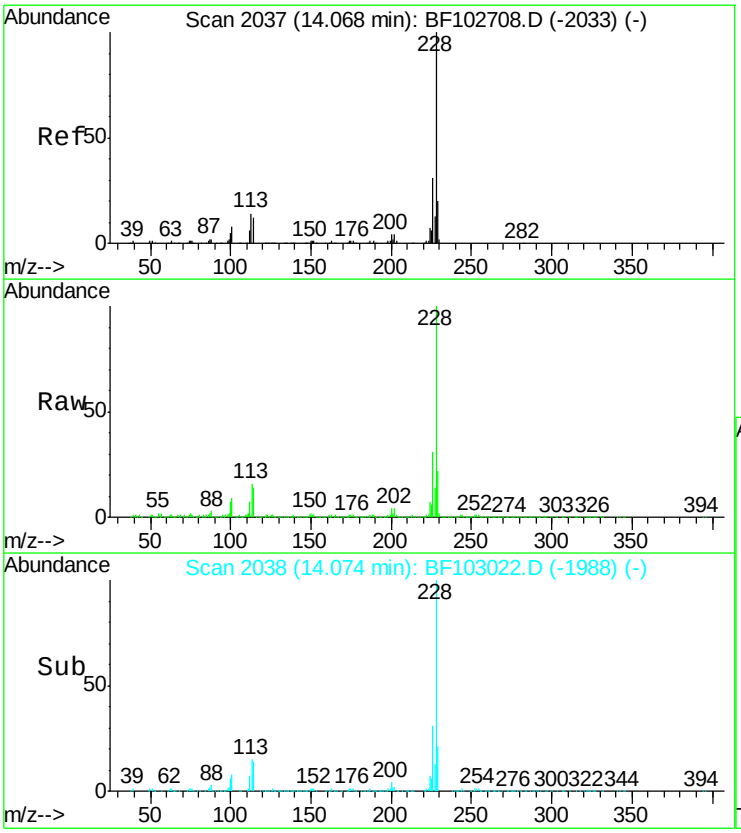
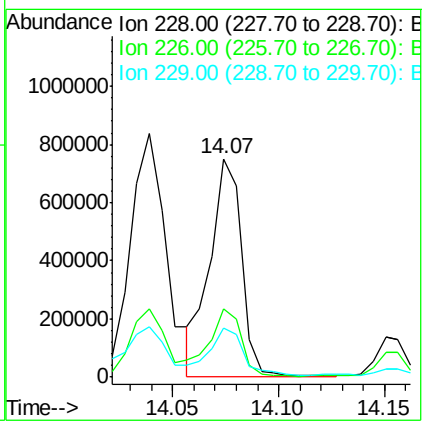
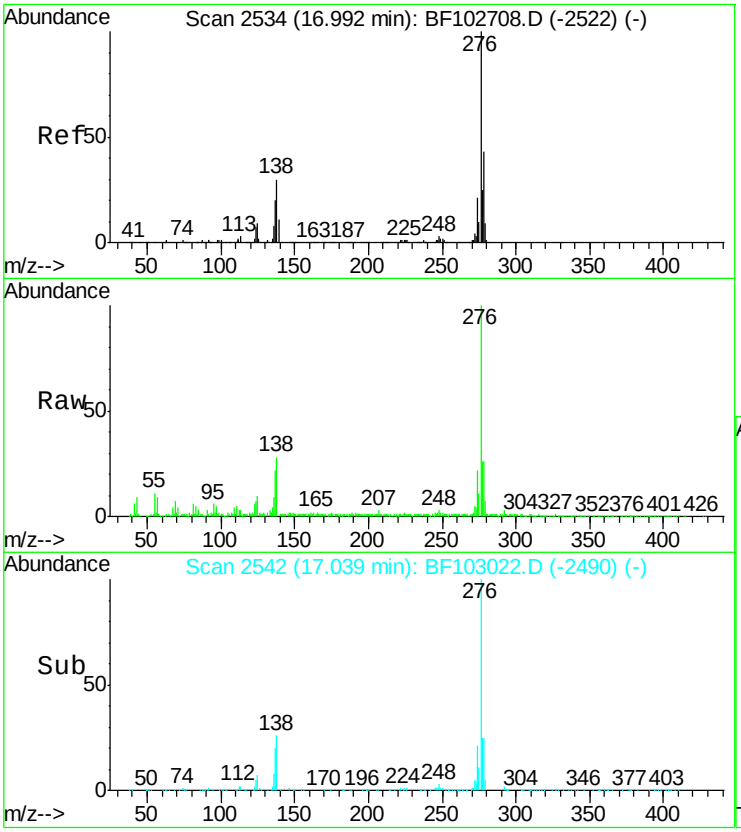


#82
Chrysene
Concen: 39.708 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF103022.D
Acq: 15 Feb 2018 17:21

Tgt Ion:228 Resp: 781500

Ion	Ratio	Lower	Upper
228	100		
226	31.0	25.0	37.6
229	22.2	16.2	24.4

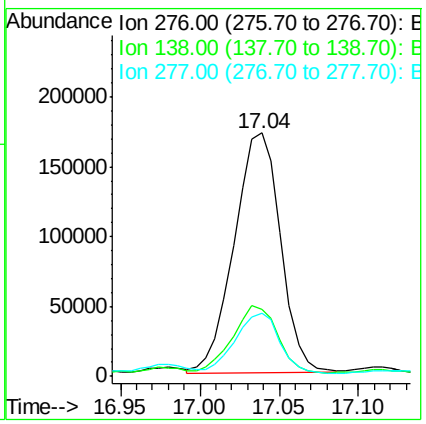




#85
Indeno(1,2,3-cd)pyrene
Concen: 21.389 ng
RT: 17.04 min Scan# 2542
Delta R.T. 0.01 min
Lab File: BF103022.D
Acq: 15 Feb 2018 17:21

Tgt Ion:276 Resp: 349126

Ion	Ratio	Lower	Upper
276	100		
138	27.3	25.0	37.6
277	24.4	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
HR-06-021418-C

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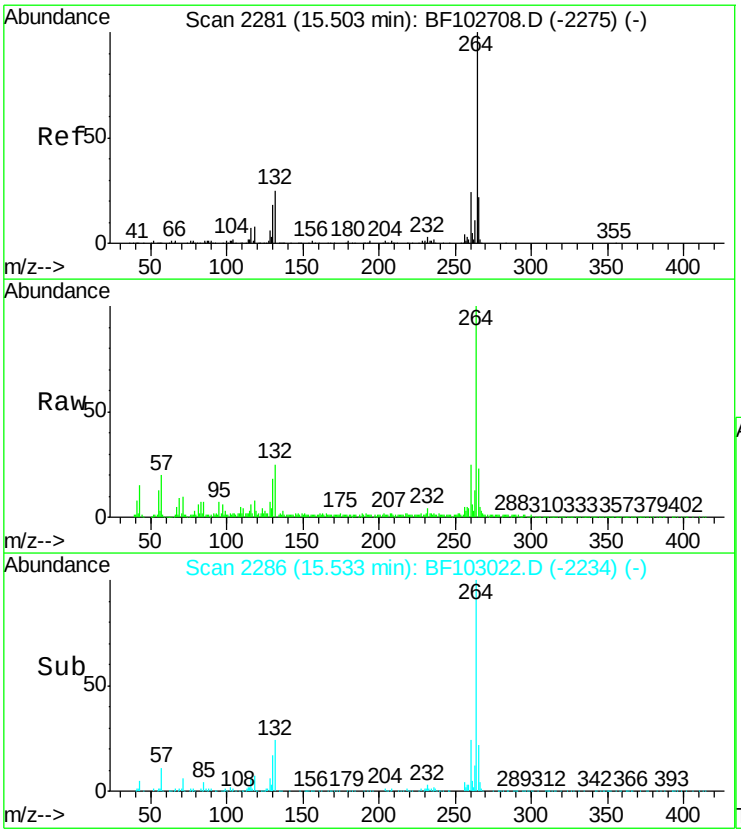
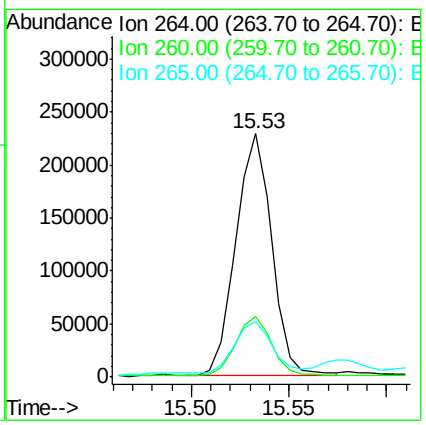
2/16/2018 2:31:15 PM

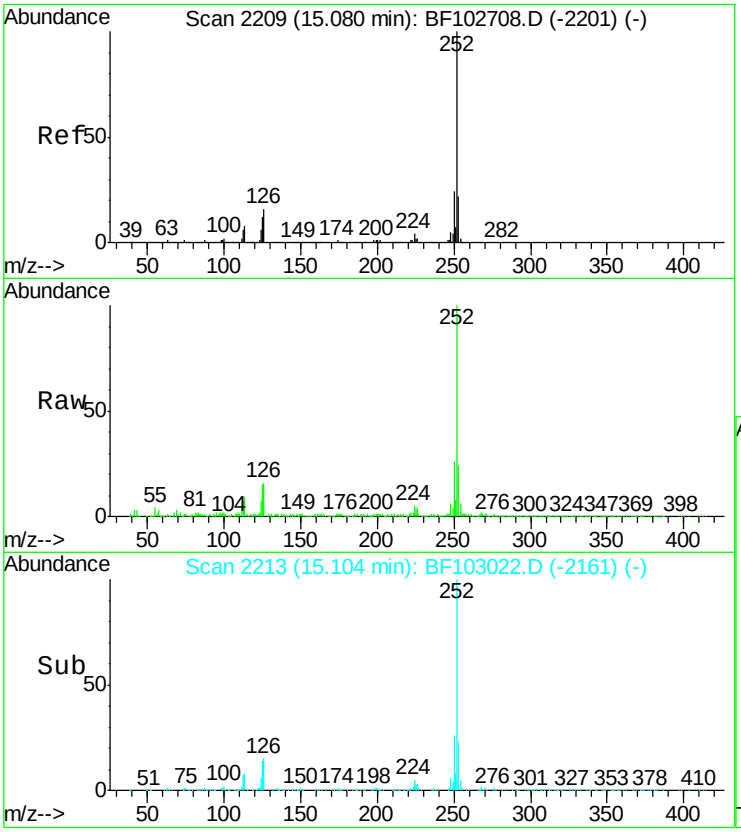


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.53 min Scan# 2286
Delta R.T. 0.01 min
Lab File: BF103022.D
Acq: 15 Feb 2018 17:21

Tgt Ion:264 Resp: 292145

Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.2	28.8
265	22.9	17.5	26.3





#87
Benzo(b)fluoranthene
Concen: 50.350 ng m
RT: 15.10 min Scan# 2213
Delta R.T. 0.01 min
Lab File: BF103022.D
Acq: 15 Feb 2018 17:21

Tgt Ion:252 Resp: 953667

Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.0	25.6
125	15.2	9.0	13.6#

Instrument :
BNA_F
ClientSampleId :
HR-06-021418-C

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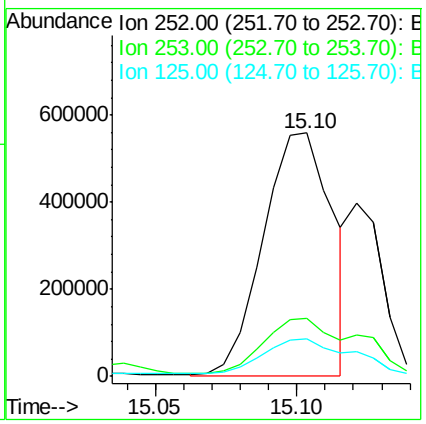
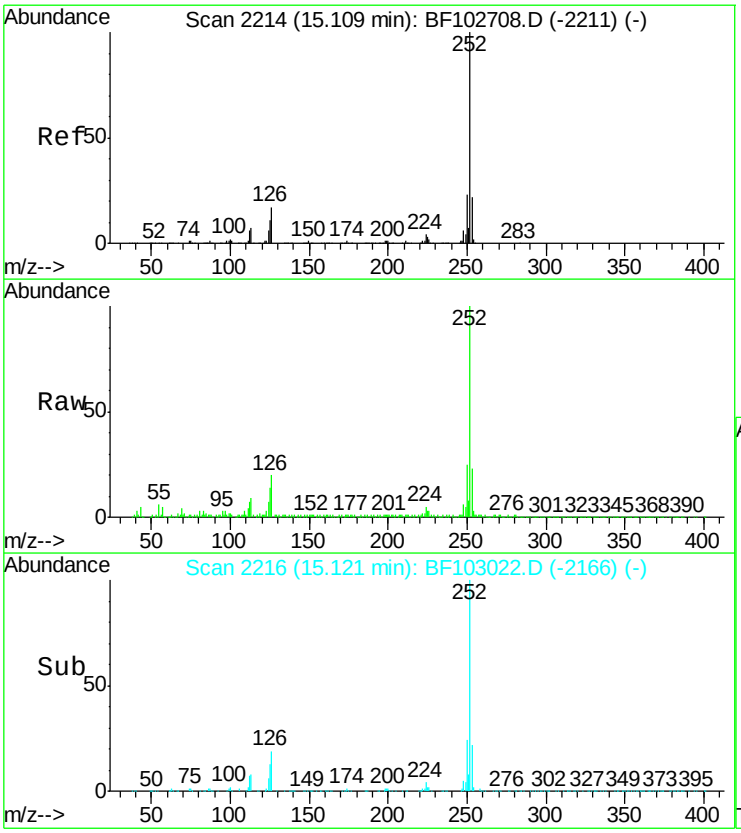
2/16/2018 2:31:15 PM

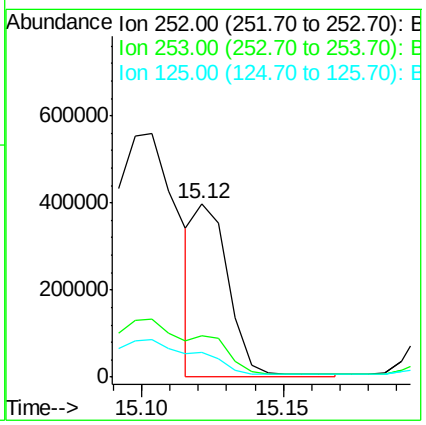


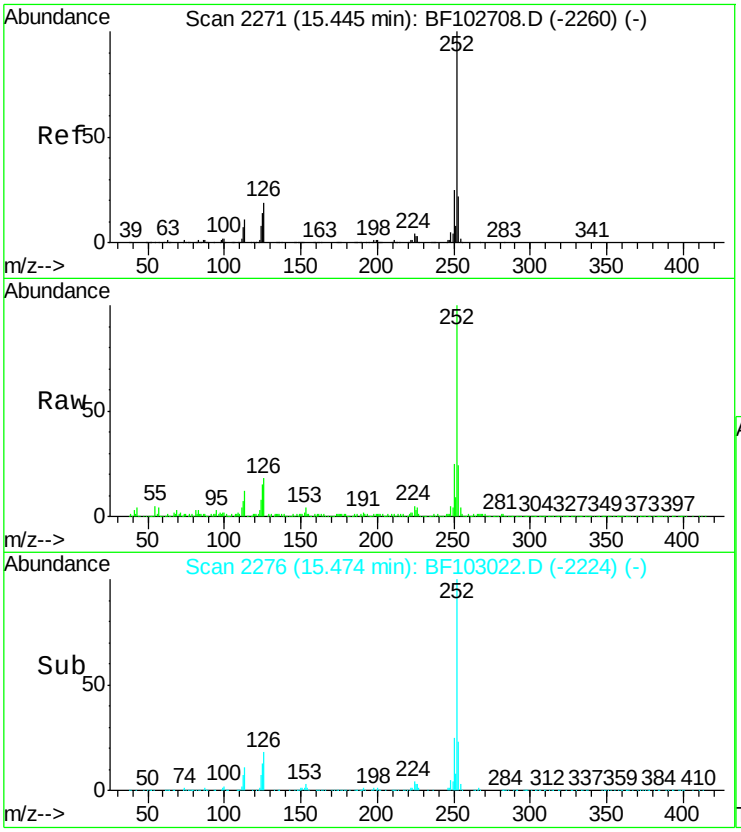


#88
Benzo(k)fluoranthene
Concen: 18.655 ng m
RT: 15.12 min Scan# 2216
Delta R.T. -0.01 min
Lab File: BF103022.D
Acq: 15 Feb 2018 17:21

Tgt Ion:252 Resp: 337618

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.9	26.9
125	14.3	10.2	15.2

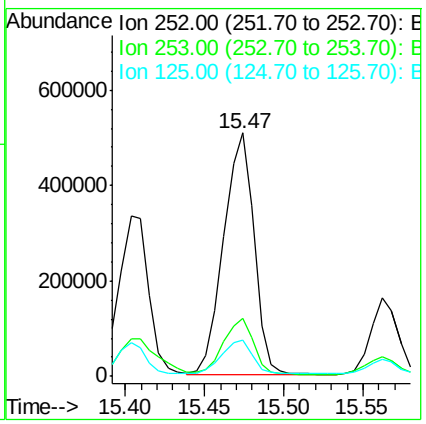




#89
Benzo(a)pyrene
Concen: 39.788 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.01 min
Lab File: BF103022.D
Acq: 15 Feb 2018 17:21

Tgt Ion:252 Resp: 678350

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.1	25.7
125	14.7	9.8	14.6#



Instrument :
BNA_F
ClientSampleId :
HR-06-021418-C

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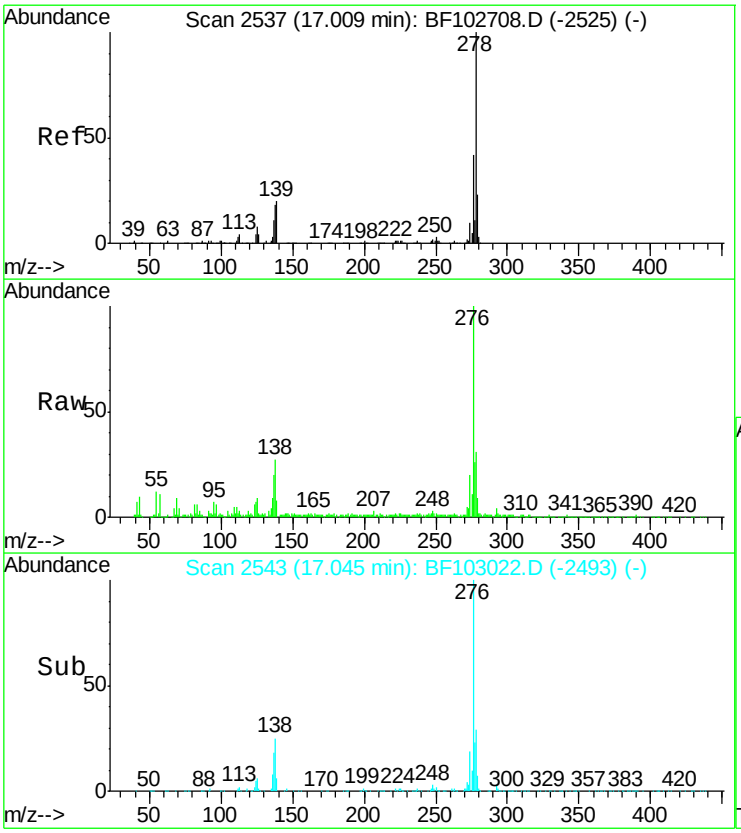
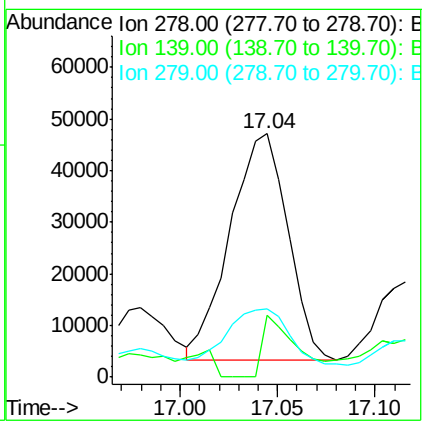
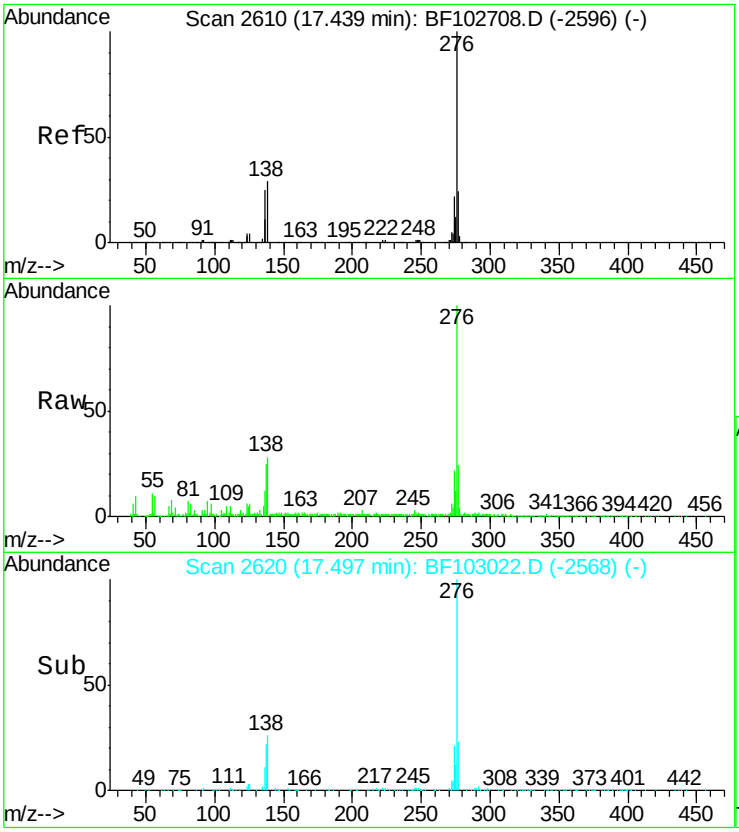


#90
Dibenzo(a,h)anthracene
Concen: 6.521 ng
RT: 17.04 min Scan# 2543
Delta R.T. -0.01 min
Lab File: BF103022.D
Acq: 15 Feb 2018 17:21

Tgt Ion:278 Resp: 90245

Ion	Ratio	Lower	Upper
278	100		
139	25.3	15.9	23.9#
279	28.1	19.0	28.4

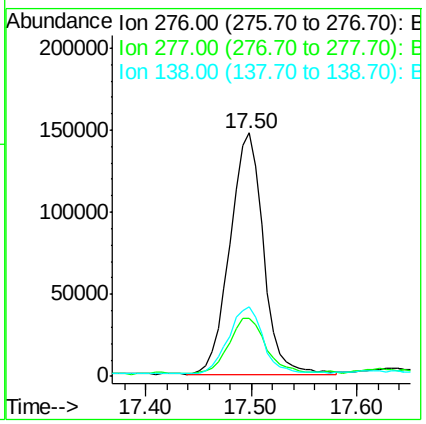




#91
Benzo(g,h,i)perylene
Concen: 23.846 ng
RT: 17.50 min Scan# 2620
Delta R.T. 0.01 min
Lab File: BF103022.D
Acq: 15 Feb 2018 17:21

Tgt Ion:276 Resp: 322981

Ion	Ratio	Lower	Upper
276	100		
277	23.9	17.9	26.9
138	28.5	21.8	32.8



Instrument :
BNA_F
ClientSampleId :
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