Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112918\
Data File : BF111102.D
Acq On : 29 Nov 2018 20:37
Operator : JU/SJ
Sample : J5981-05DL 25X
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DTW-03(8-10)DL

Manual Integrations APPROVED
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11/30/2018 3:49:52 PM

Quant Time: Nov 30 03:50:26 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF112618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 29 10:35:31 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	52974	20.00	ng		0.00
21) Naphthalene-d8	8.22	136	230507	20.00	ng		0.00
39) Acenaphthene-d10	9.97	164	99038	20.00	ng		0.00
64) Phenanthrene-d10	11.47	188	153658	20.00	ng		0.00
76) Chrysene-d12	14.13	240	127762	20.00	ng		0.00
87) Perylene-d12	15.66	264	95570	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.62	112	5525	1.73	ng		0.07
7) Phenol-d6	6.63	99	12873	3.09	ng		0.06
23) Nitrobenzene-d5	7.53	82	8145	2.02	ng		0.02
42) 2,4,6-Tribromophenol	10.78	330	2478	2.52	ng		0.00
45) 2-Fluorobiphenyl	9.29	172	16333	2.39	ng		0.00
79) Terphenyl-d14	13.05	244	13056	1.99	ng		0.00
Target Compounds							Qvalue
31) Naphthalene	8.23	128	198125	18.336	ng		99
37) 2-Methylnaphthalene	8.93	142	17325m	2.428	ng		
49) Acenaphthylene	9.84	152	21819	2.318	ng		96
55) Dibenzofuran	10.18	168	74203	8.428	ng		97
58) Fluorene	10.53	166	64597	9.430	ng		99
71) Phenanthrene	11.50	178	416347	51.160	ng		99
72) Anthracene	11.55	178	94582	11.412	ng		98
75) Fluoranthene	12.69	202	214849	25.686	ng		99
78) Pyrene	12.92	202	150849	16.166	ng		97
81) Benzo(a)anthracene	14.12	228	95227	12.625	ng		98
83) Chrysene	14.15	228	79085	10.651	ng		99
86) Indeno(1,2,3-cd)pyrene	17.26	276	26562	4.984	ng		99
88) Benzo(b)fluoranthene	15.21	252	79466m	14.154	ng		
89) Benzo(k)fluoranthene	15.23	252	26145m	4.524	ng		
90) Benzo(a)pyrene	15.60	252	48377	9.257	ng		98
91) Dibenzo(a,h)anthracene	17.26	278	8677	2.012	ng	#	86
92) Benzo(g,h,i)perylene	17.75	276	21034	5.059	ng		96

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

Quantitation Report (QT Reviewed)

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Instrument :
BNA_F
ClientSampleId :
DTW-03(8-10)DL

Manual Integrations APPROVED
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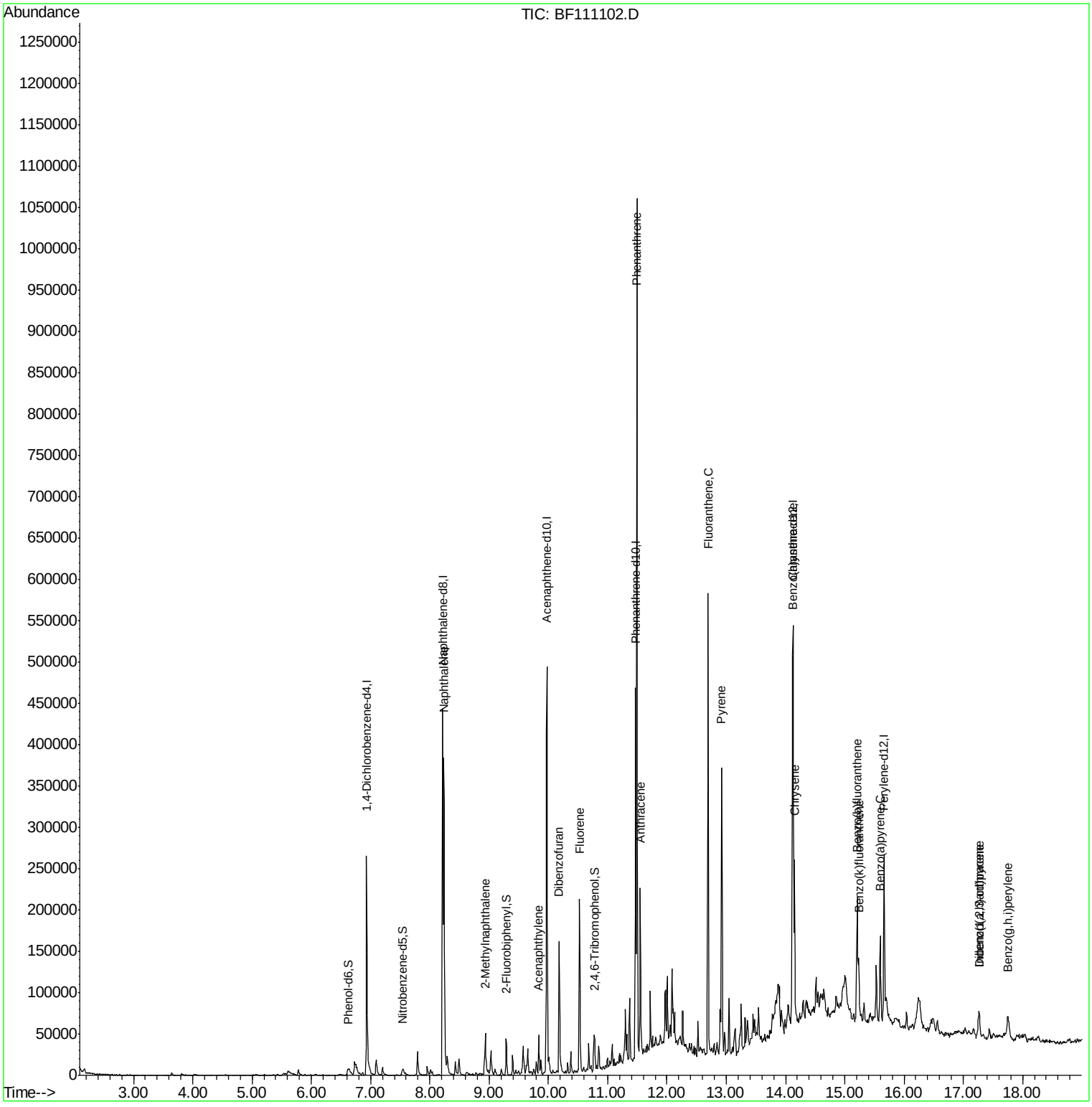
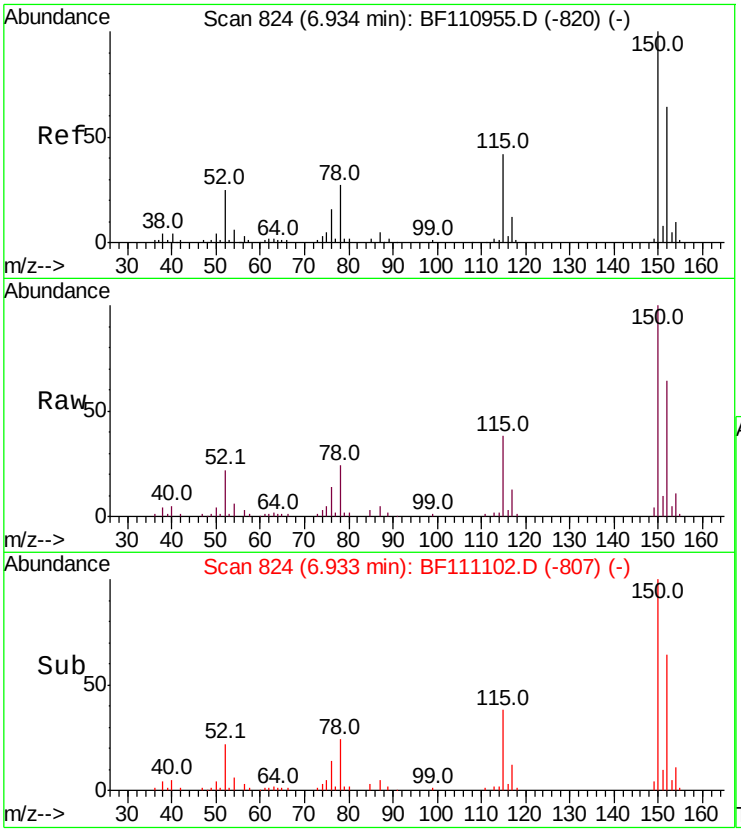
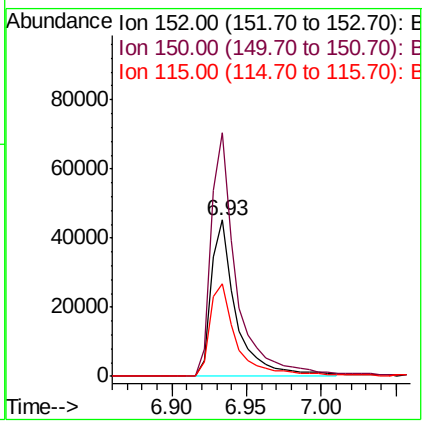




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 824
Delta R.T. -0.00 min
Lab File: BF111102.D
Acq: 29 Nov 2018 20:37

Tgt Ion:152 Resp: 52974

Ion	Ratio	Lower	Upper
152	100		
150	155.7	122.7	184.1
115	59.2	49.1	73.7



Instrument :
BNA_F
ClientSampleId :
DTW-03(8-10)DL

Manual Integrations APPROVED
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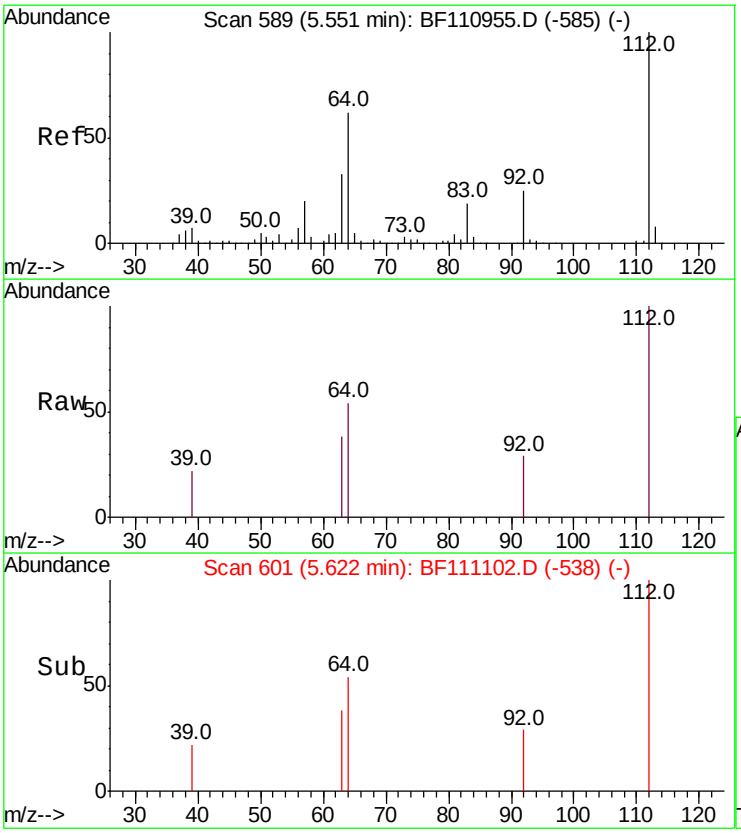
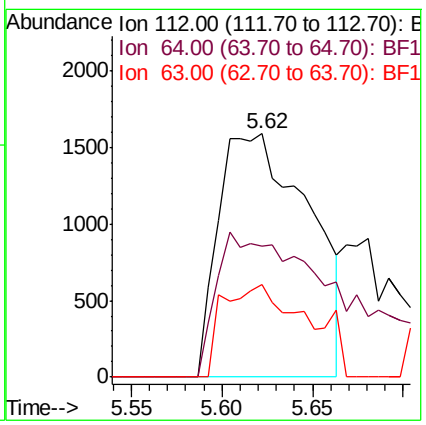
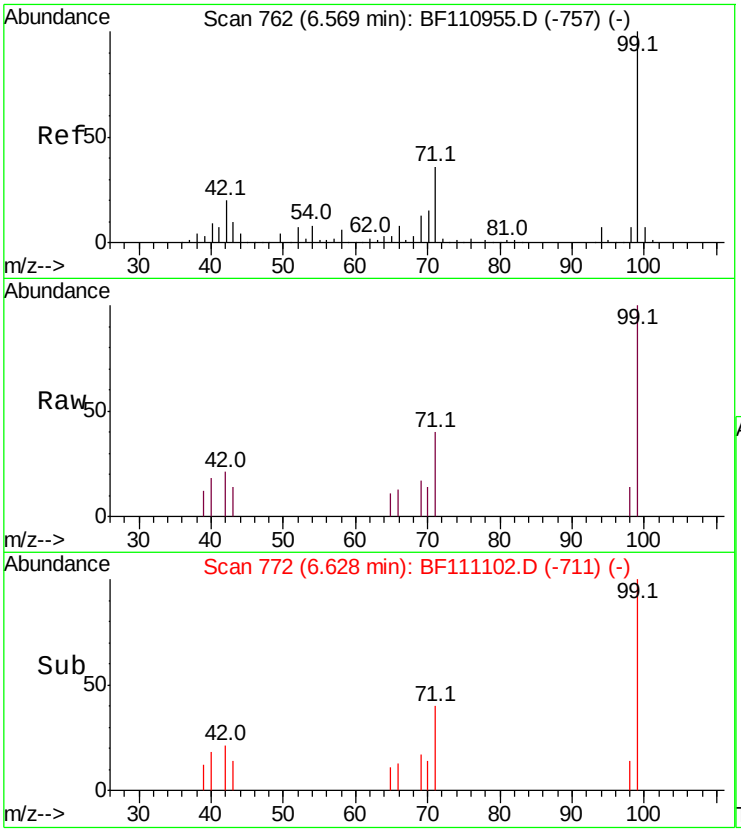


#5
2-Fluorophenol
Concen: 1.730 ng
RT: 5.62 min Scan# 601
Delta R.T. 0.07 min
Lab File: BF111102.D
Acq: 29 Nov 2018 20:37

Tgt Ion:112 Resp: 5525

Ion	Ratio	Lower	Upper
112	100		
64	53.8	44.1	66.1
63	38.0	23.7	35.5#

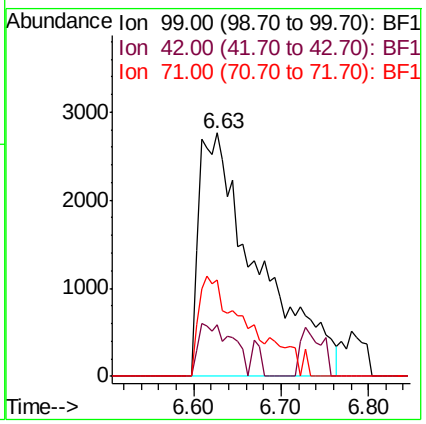




#7
Phenol-d6
Concen: 3.092 ng
RT: 6.63 min Scan# 772
Delta R.T. 0.06 min
Lab File: BF111102.D
Acq: 29 Nov 2018 20:37

Tgt Ion: 99 Resp: 12873

Ion	Ratio	Lower	Upper
99	100		
42	21.0	15.8	23.6
71	39.7	28.0	42.0



Instrument :
BNA_F
ClientSampleId :
DTW-03(8-10)DL

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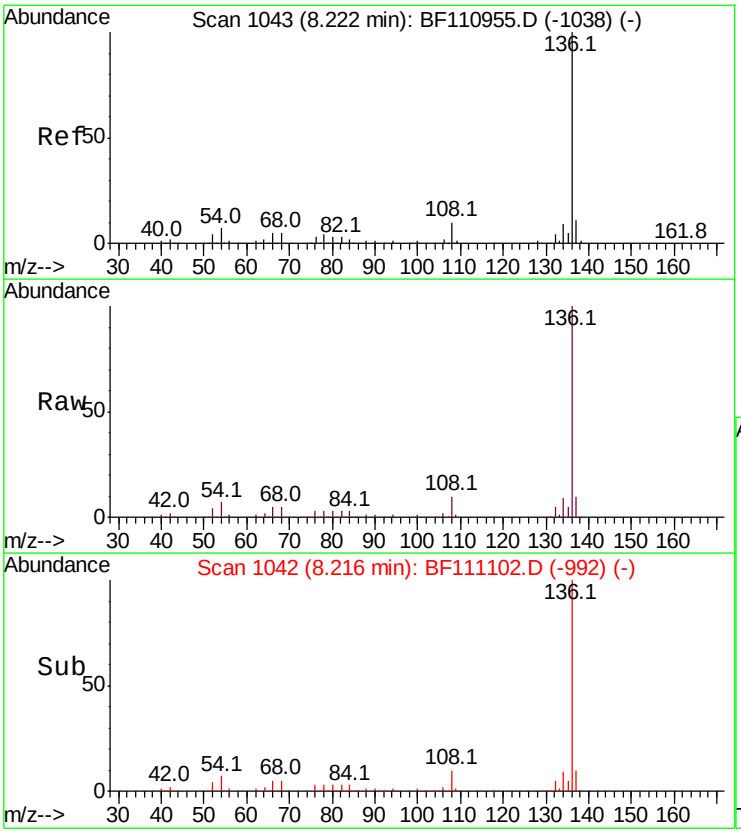
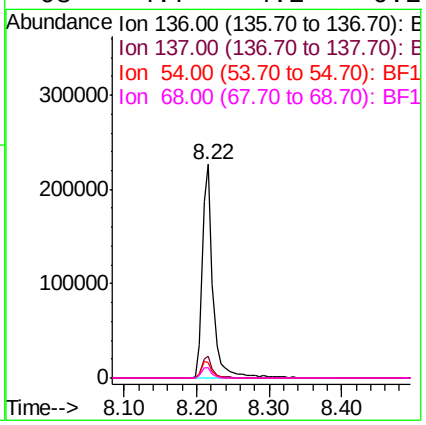
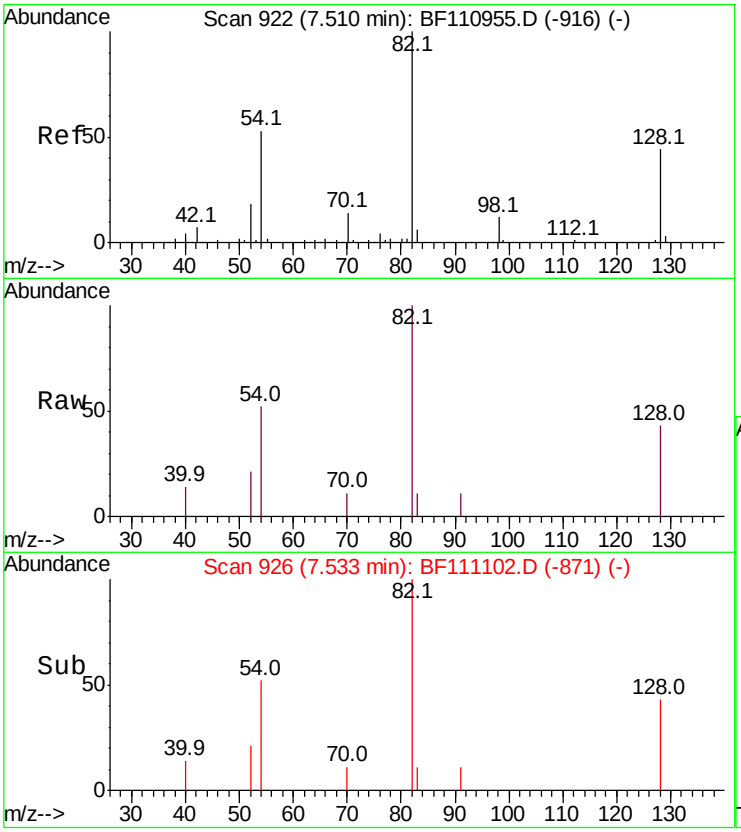


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.22 min Scan# 1042
Delta R.T. -0.01 min
Lab File: BF111102.D
Acq: 29 Nov 2018 20:37

Tgt Ion:136 Resp: 230507

Ion	Ratio	Lower	Upper
136	100		
137	10.4	8.8	13.2
54	7.3	5.4	8.2
68	4.7	4.2	6.2

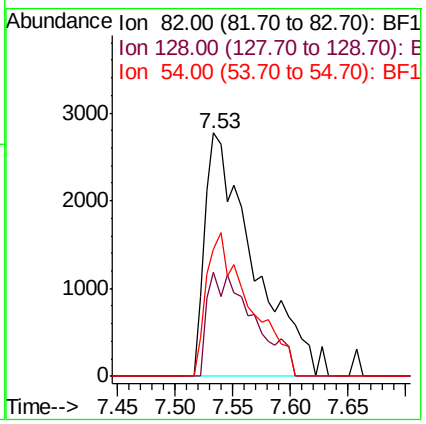




#23
Nitrobenzene-d5
Concen: 2.022 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.02 min
Lab File: BF111102.D
Acq: 29 Nov 2018 20:37

Tgt Ion: 82 Resp: 8145

Ion	Ratio	Lower	Upper
82	100		
128	42.7	34.2	51.2
54	52.2	38.6	58.0



Instrument :
BNA_F
ClientSampleId :
DTW-03(8-10)DL

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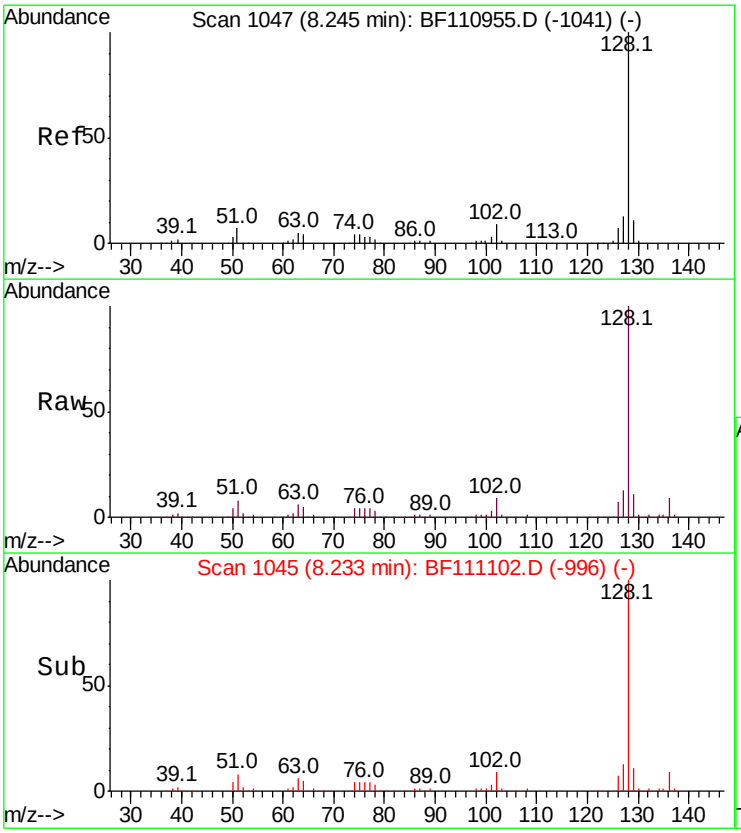
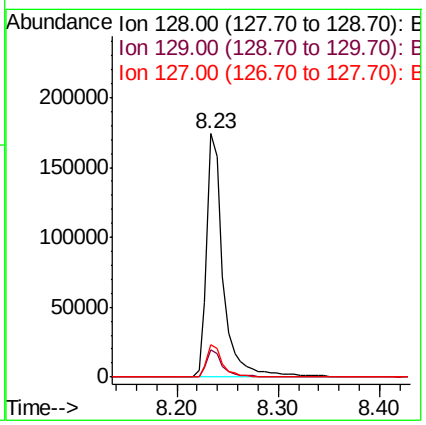
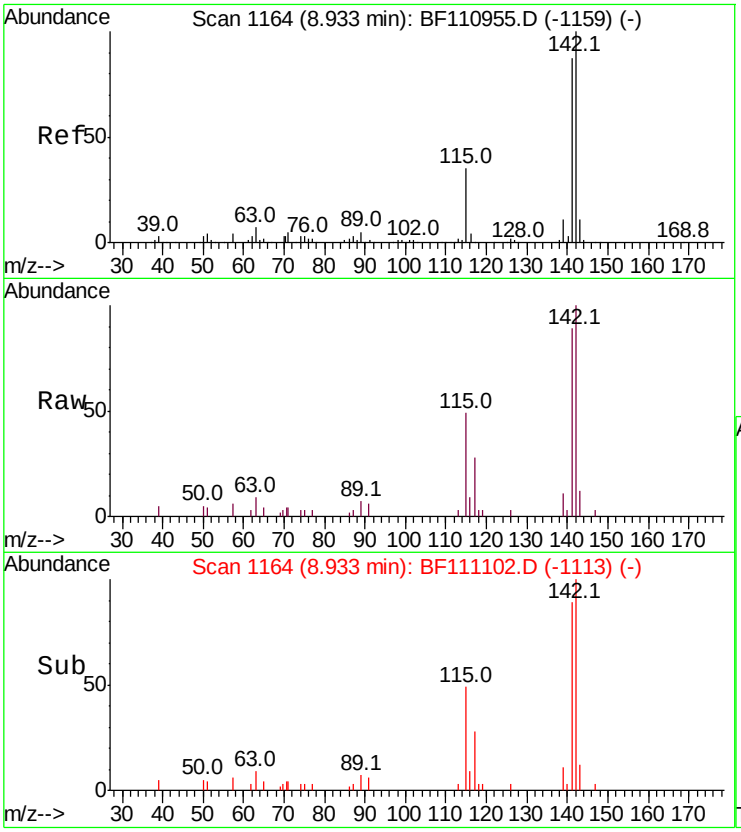


#31
Naphthalene
Concen: 18.336 ng
RT: 8.23 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BF111102.D
Acq: 29 Nov 2018 20:37

Tgt Ion:128 Resp: 198125

Ion	Ratio	Lower	Upper
128	100		
129	11.3	8.8	13.2
127	13.3	10.8	16.2

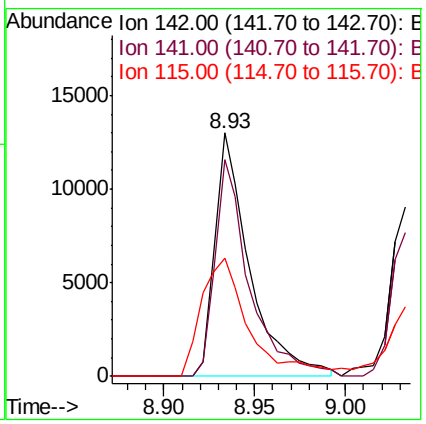




#37
2-Methylnaphthalene
Concen: 2.428 ng m
RT: 8.93 min Scan# 1164
Delta R.T. -0.00 min
Lab File: BF111102.D
Acq: 29 Nov 2018 20:37

Tgt Ion:142 Resp: 17325

Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.4	107.2
115	48.8	28.7	43.1#



Instrument :
BNA_F
ClientSampleId :
DTW-03(8-10)DL

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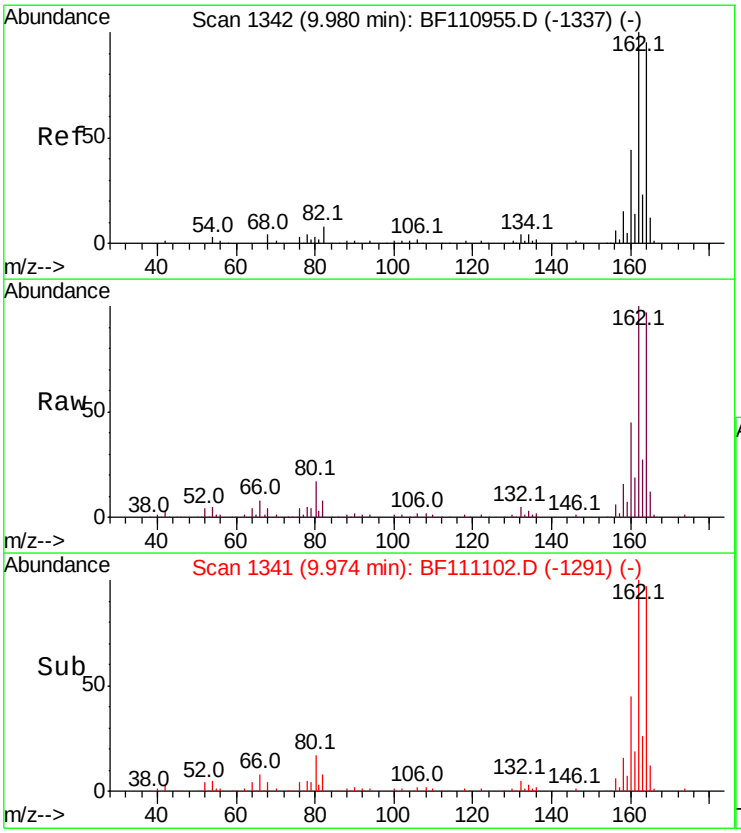
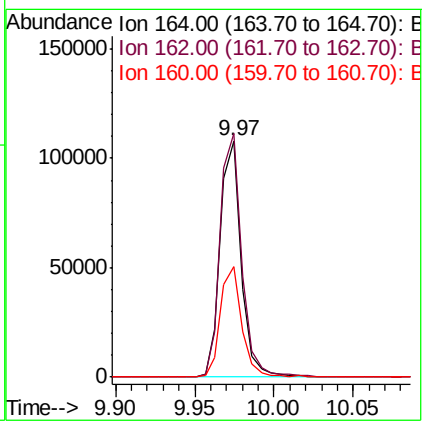
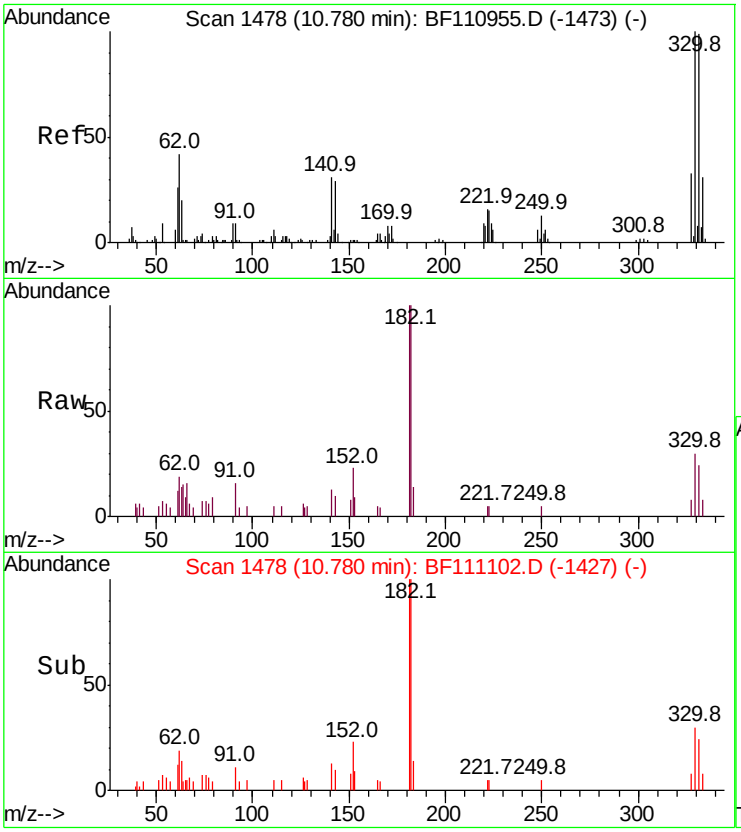


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.97 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BF111102.D
Acq: 29 Nov 2018 20:37

Tgt Ion:164 Resp: 99038

Ion	Ratio	Lower	Upper
164	100		
162	103.1	83.0	124.6
160	46.5	37.0	55.6





#42
2,4,6-Tribromophenol
Concen: 2.519 ng
RT: 10.78 min Scan# 1478
Delta R.T. -0.00 min
Lab File: BF111102.D
Acq: 29 Nov 2018 20:37

Tgt Ion:330 Resp: 2478

Ion	Ratio	Lower	Upper
330	100		
332	87.7	77.1	115.7
141	45.7	27.0	40.4#

Instrument :
BNA_F
ClientSampleId :
DTW-03(8-10)DL

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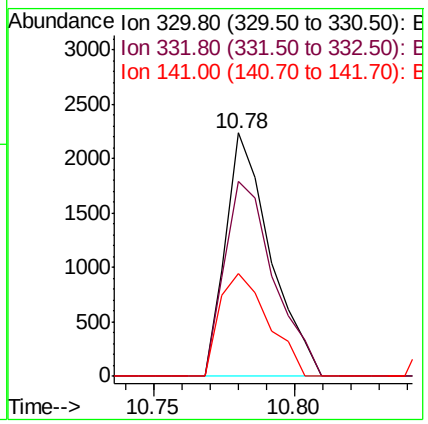
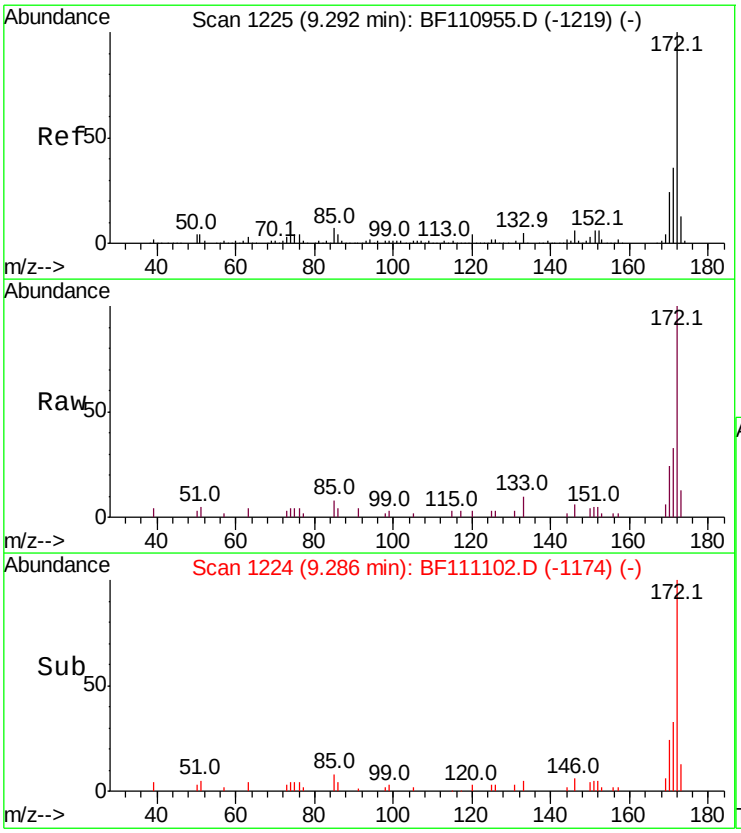
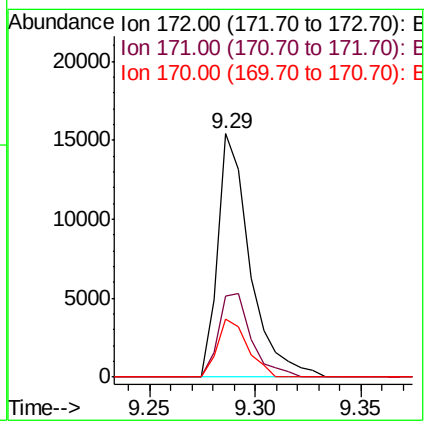


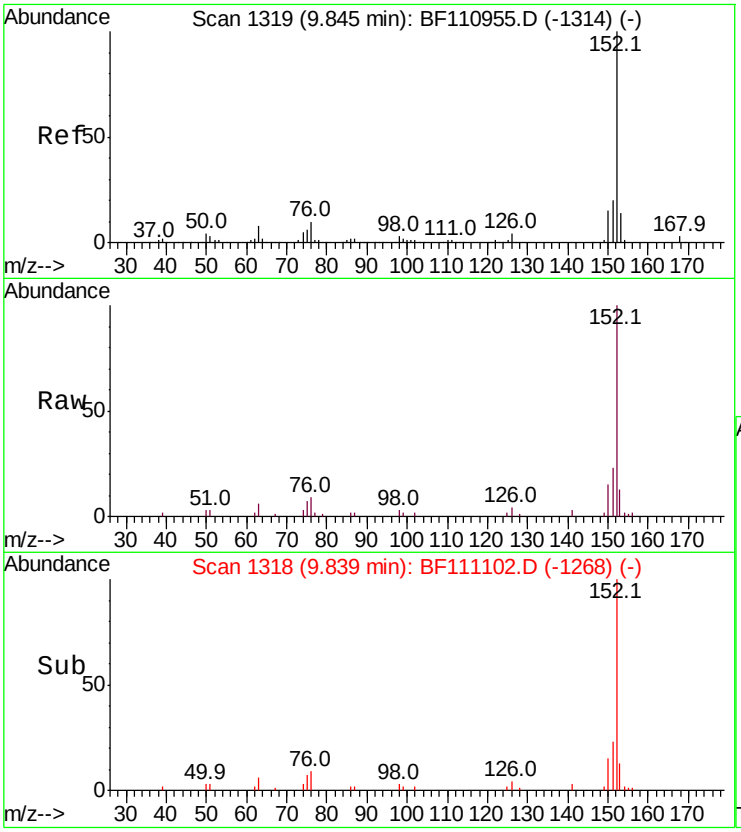


#45
2-Fluorobiphenyl
Concen: 2.389 ng
RT: 9.29 min Scan# 1224
Delta R.T. -0.01 min
Lab File: BF111102.D
Acq: 29 Nov 2018 20:37

Tgt Ion:172 Resp: 16333

Ion	Ratio	Lower	Upper
172	100		
171	33.2	28.6	43.0
170	23.9	19.7	29.5

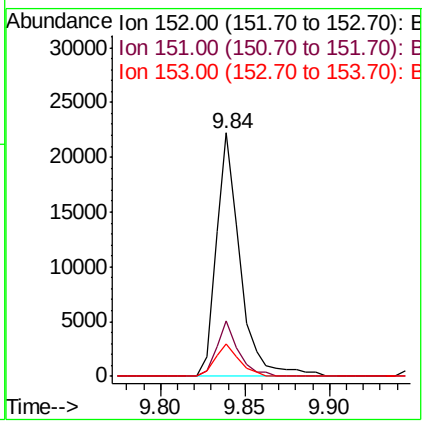




#49
Acenaphthylene
Concen: 2.318 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.01 min
Lab File: BF111102.D
Acq: 29 Nov 2018 20:37

Tgt Ion:152 Resp: 21819

Ion	Ratio	Lower	Upper
152	100		
151	22.5	15.8	23.8
153	13.4	10.4	15.6



Instrument :
BNA_F
ClientSampleId :
DTW-03(8-10)DL

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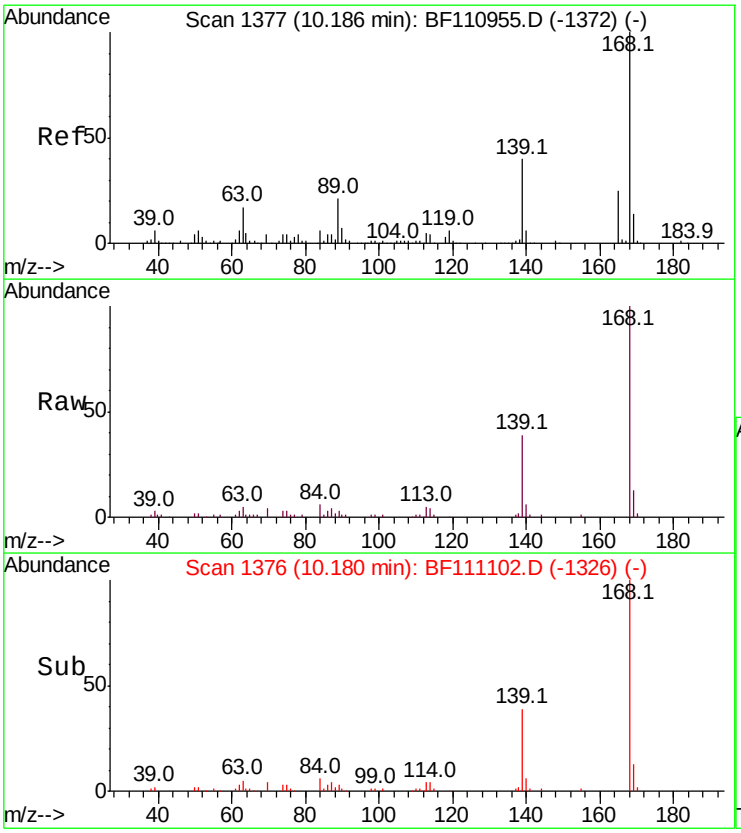
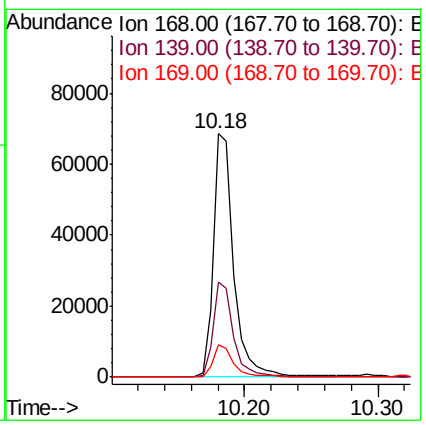
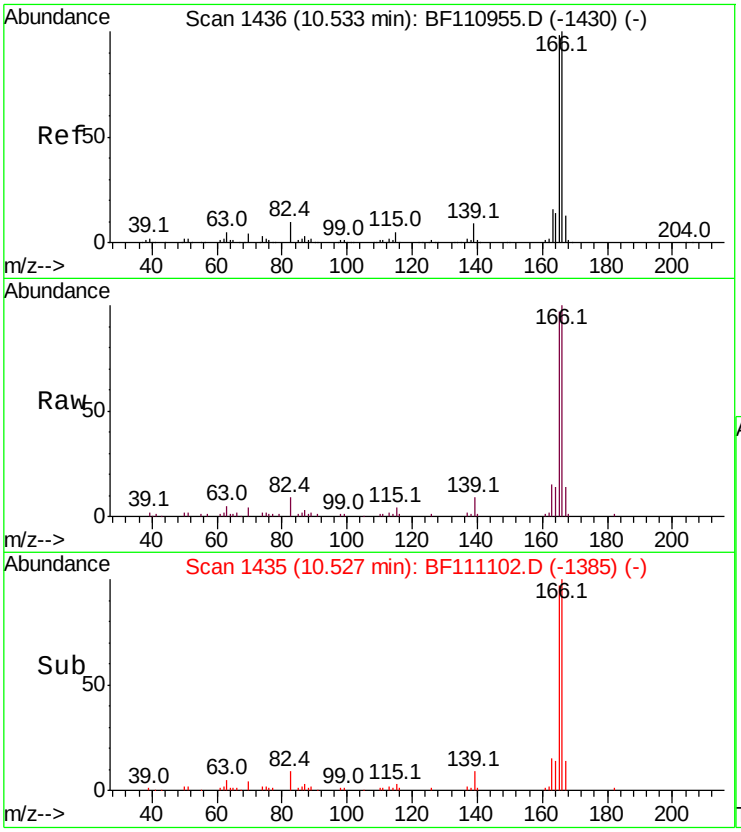


#55
Dibenzofuran
Concen: 8.428 ng
RT: 10.18 min Scan# 1376
Delta R.T. -0.01 min
Lab File: BF111102.D
Acq: 29 Nov 2018 20:37

Tgt Ion:168 Resp: 74203

Ion	Ratio	Lower	Upper
168	100		
139	39.0	33.0	49.6
169	13.5	11.3	16.9

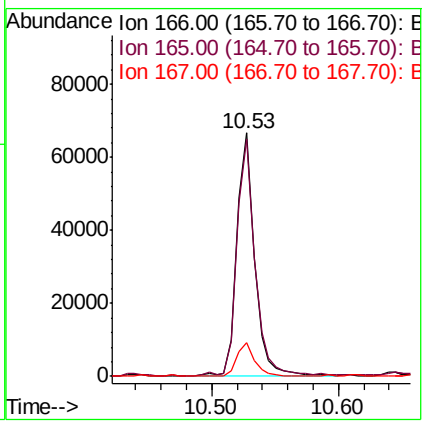




#58
Fluorene
Concen: 9.430 ng
RT: 10.53 min Scan# 1435
Delta R.T. -0.01 min
Lab File: BF111102.D
Acq: 29 Nov 2018 20:37

Tgt Ion:166 Resp: 64597

Ion	Ratio	Lower	Upper
166	100		
165	97.4	78.6	117.8
167	13.8	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
DTW-03(8-10)DL

Manual Integrations APPROVED
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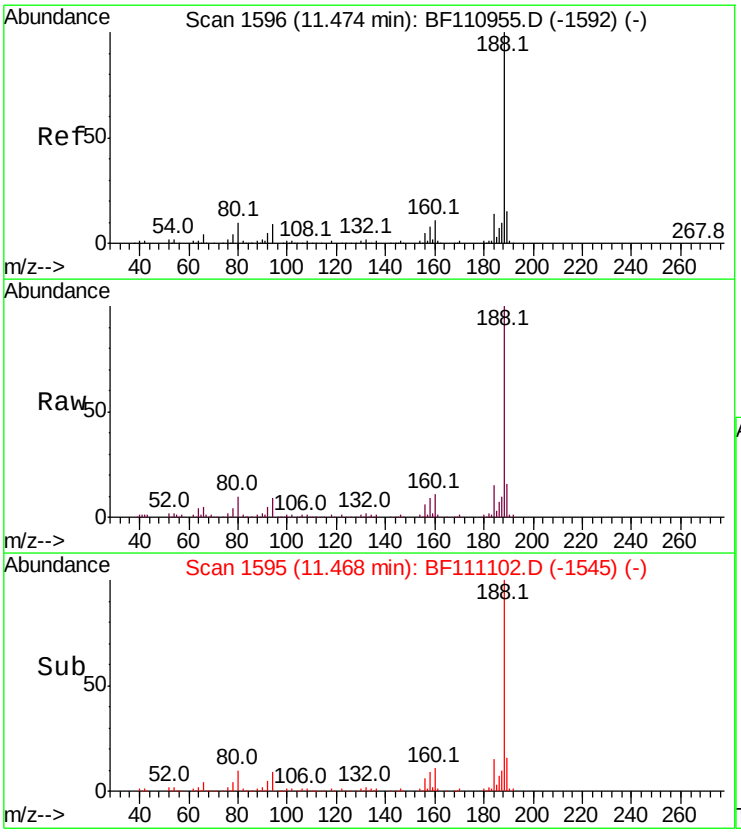
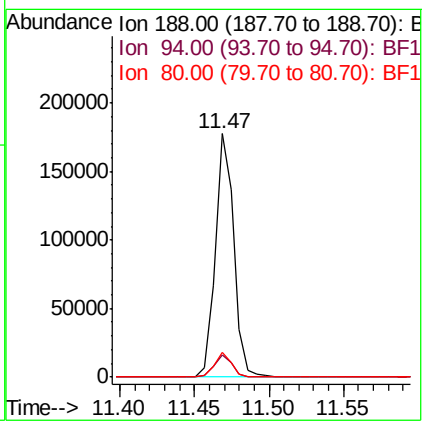
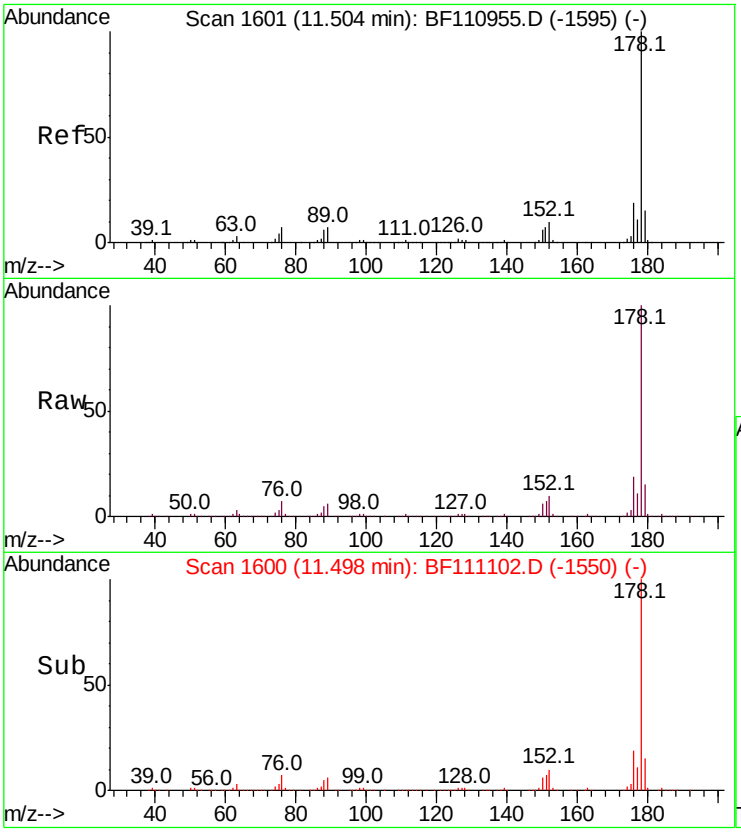


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.47 min Scan# 1595
Delta R.T. -0.01 min
Lab File: BF111102.D
Acq: 29 Nov 2018 20:37

Tgt Ion:188 Resp: 153658

Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.2	10.8
80	10.4	7.9	11.9

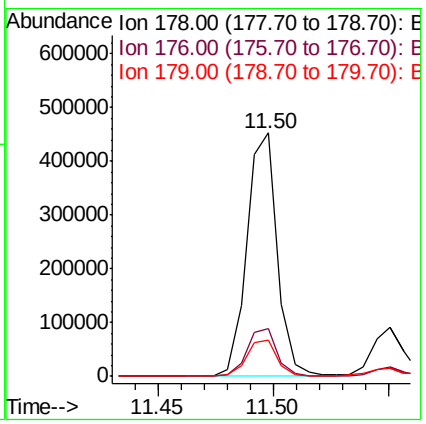




#71
Phenanthrene
Concen: 51.160 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.01 min
Lab File: BF111102.D
Acq: 29 Nov 2018 20:37

Tgt Ion:178 Resp: 416347

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.0	12.5	18.7



Instrument :
BNA_F
ClientSampleId :
DTW-03(8-10)DL

Manual Integrations APPROVED
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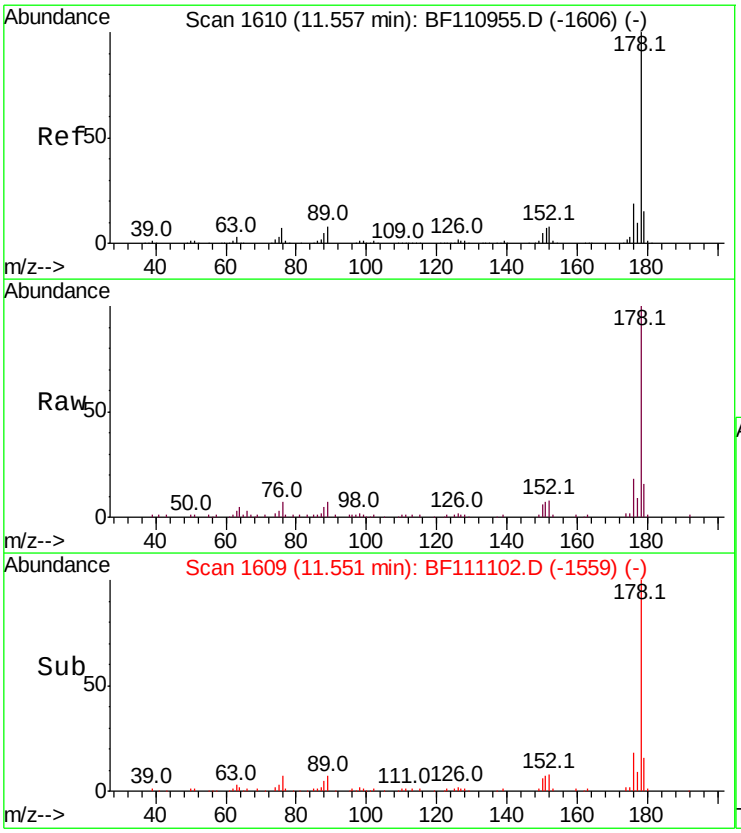
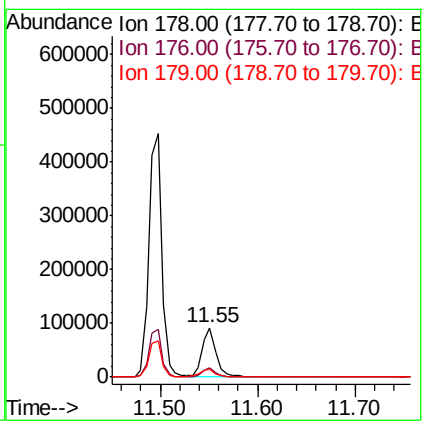
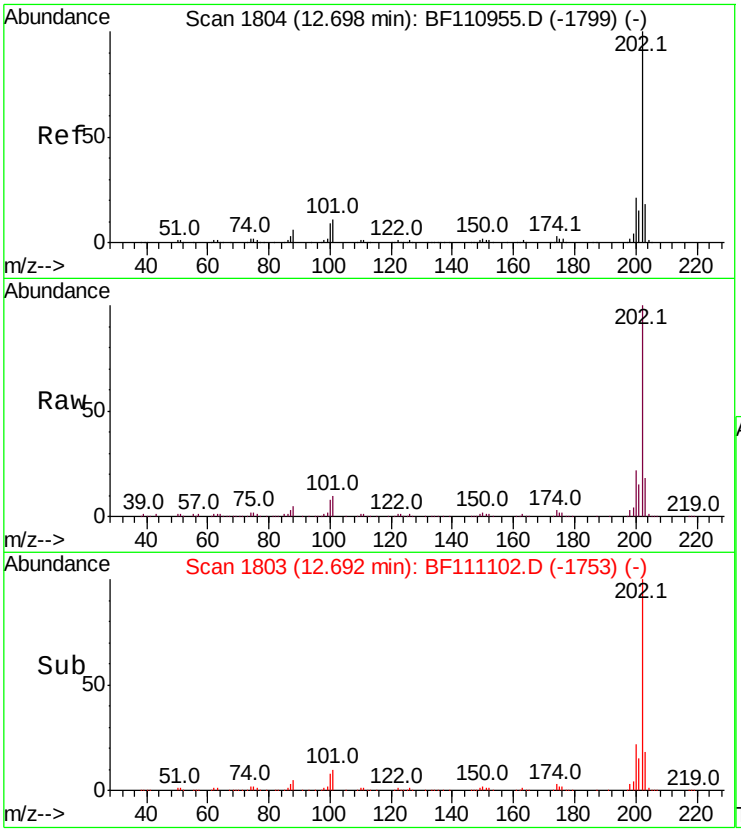


#72
Anthracene
Concen: 11.412 ng
RT: 11.55 min Scan# 1609
Delta R.T. -0.01 min
Lab File: BF111102.D
Acq: 29 Nov 2018 20:37

Tgt Ion:178 Resp: 94582

Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.2
179	15.7	12.6	18.8

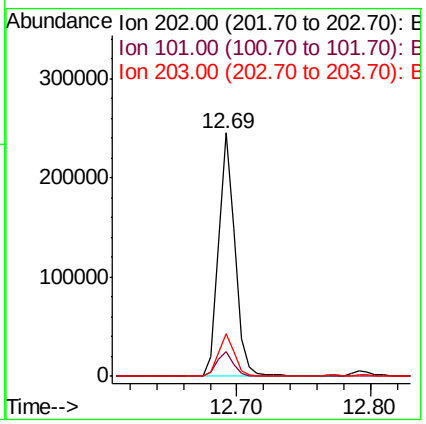




#75
Fluoranthene
Concen: 25.686 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.01 min
Lab File: BF111102.D
Acq: 29 Nov 2018 20:37

Tgt Ion:202 Resp: 214849

Ion	Ratio	Lower	Upper
202	100		
101	10.1	0.0	31.4
203	17.6	0.0	37.7



Instrument :
BNA_F
ClientSampleId :
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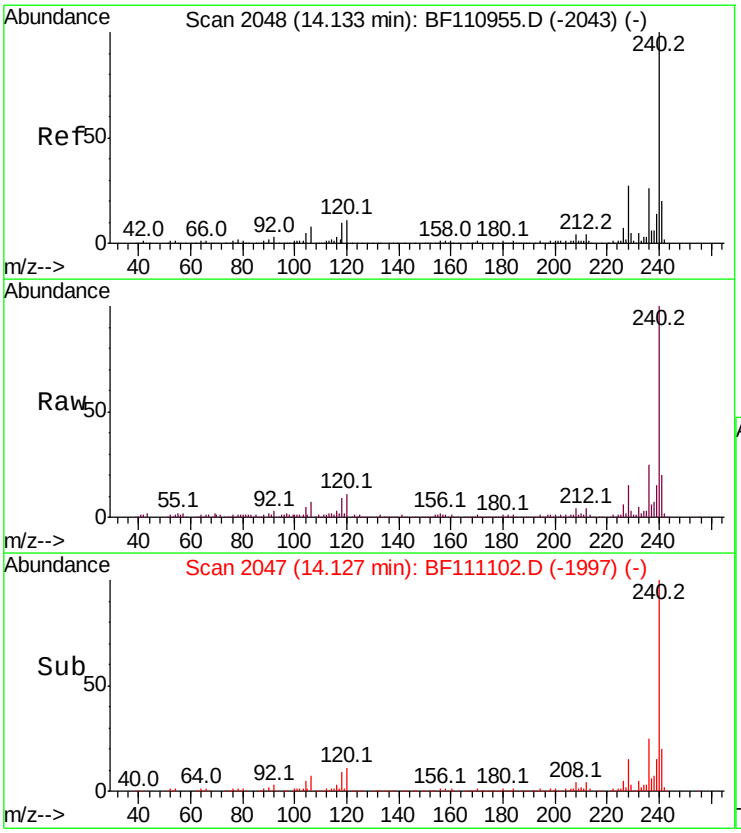
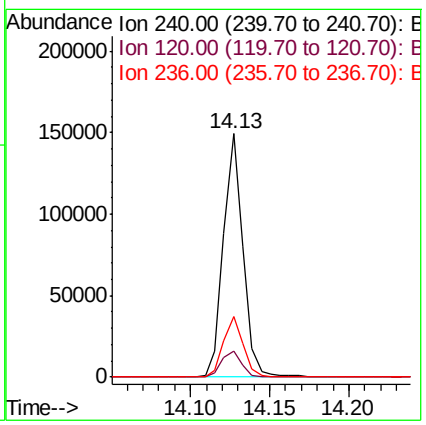
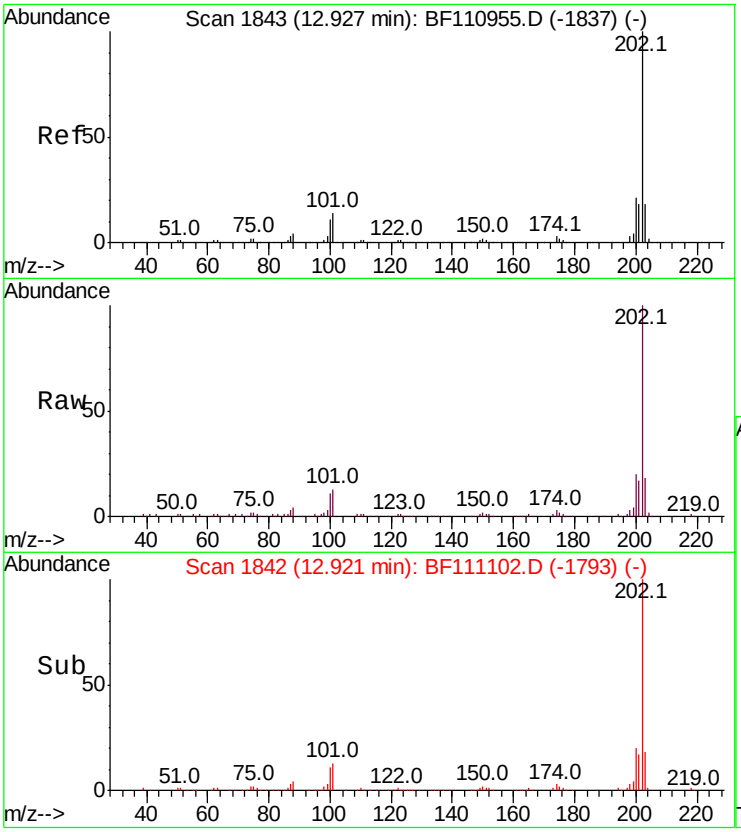


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.01 min
Lab File: BF111102.D
Acq: 29 Nov 2018 20:37

Tgt Ion:240 Resp: 127762

Ion	Ratio	Lower	Upper
240	100		
120	10.7	8.3	12.5
236	25.0	21.2	31.8

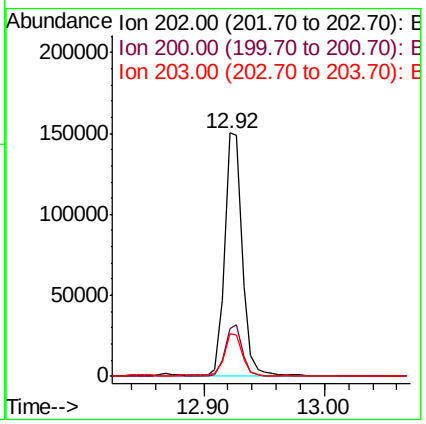




#78
Pyrene
Concen: 16.166 ng
RT: 12.92 min Scan# 1842
Delta R.T. -0.01 min
Lab File: BF111102.D
Acq: 29 Nov 2018 20:37

Tgt Ion:202 Resp: 150849

Ion	Ratio	Lower	Upper
202	100		
200	19.6	17.8	26.6
203	17.8	14.2	21.4



Instrument :
BNA_F
ClientSampleId :
DTW-03(8-10)DL

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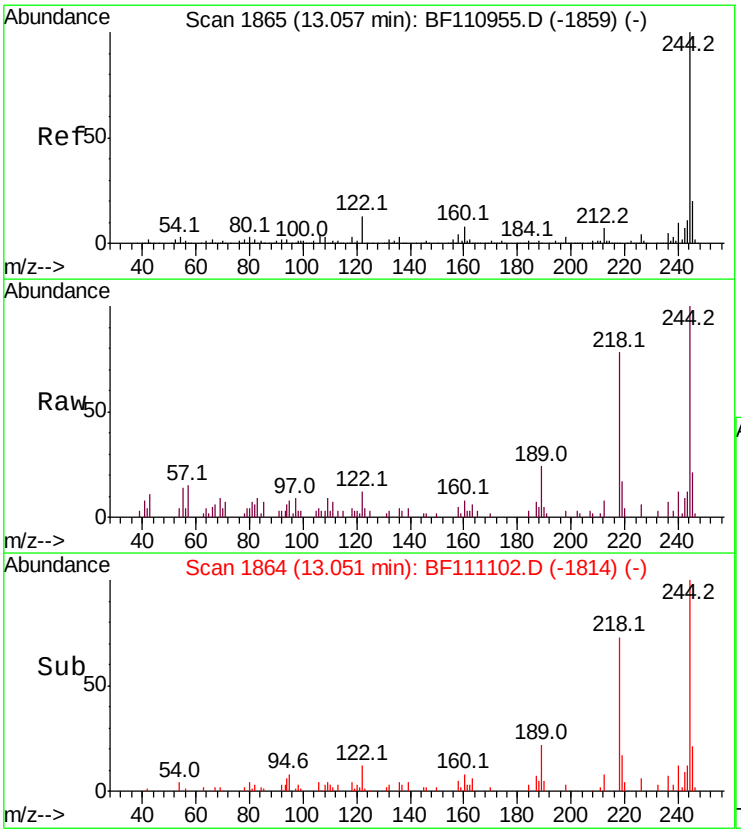
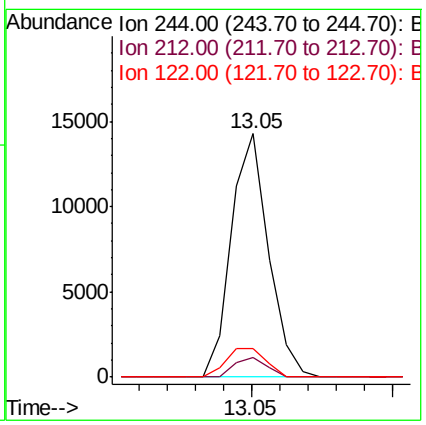
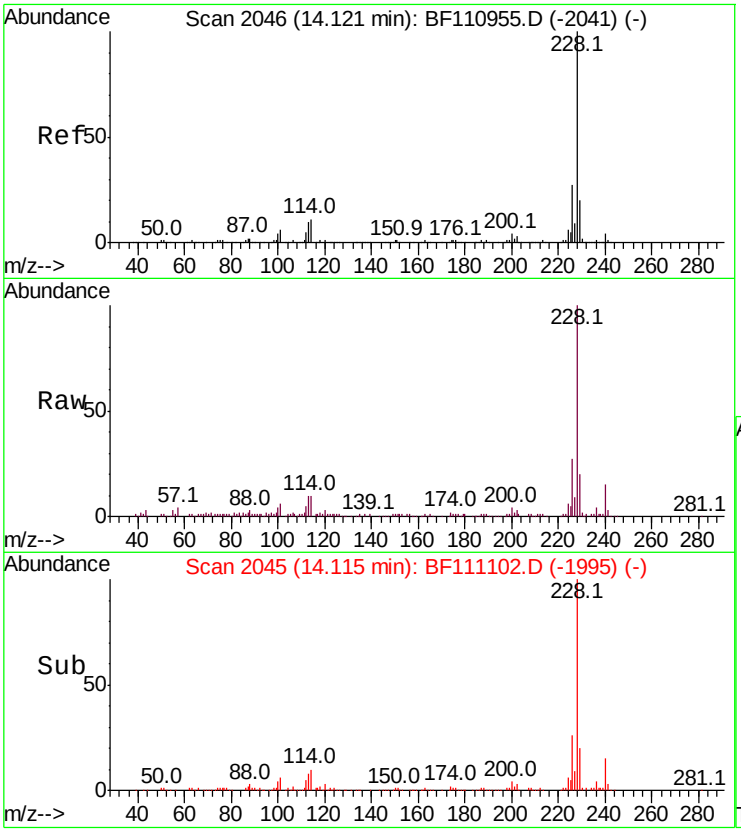


#79
Terphenyl-d14
Concen: 1.989 ng
RT: 13.05 min Scan# 1864
Delta R.T. -0.01 min
Lab File: BF111102.D
Acq: 29 Nov 2018 20:37

Tgt Ion:244 Resp: 13056

Ion	Ratio	Lower	Upper
244	100		
212	7.8	5.8	8.8
122	12.0	8.7	13.1

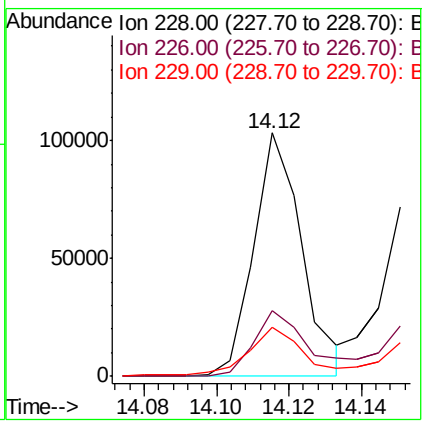




#81
Benzo(a)anthracene
Concen: 12.625 ng
RT: 14.12 min Scan# 2045
Delta R.T. -0.01 min
Lab File: BF111102.D
Acq: 29 Nov 2018 20:37

Tgt Ion:228 Resp: 95227

Ion	Ratio	Lower	Upper
228	100		
226	26.7	22.1	33.1
229	20.4	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
DTW-03(8-10)DL

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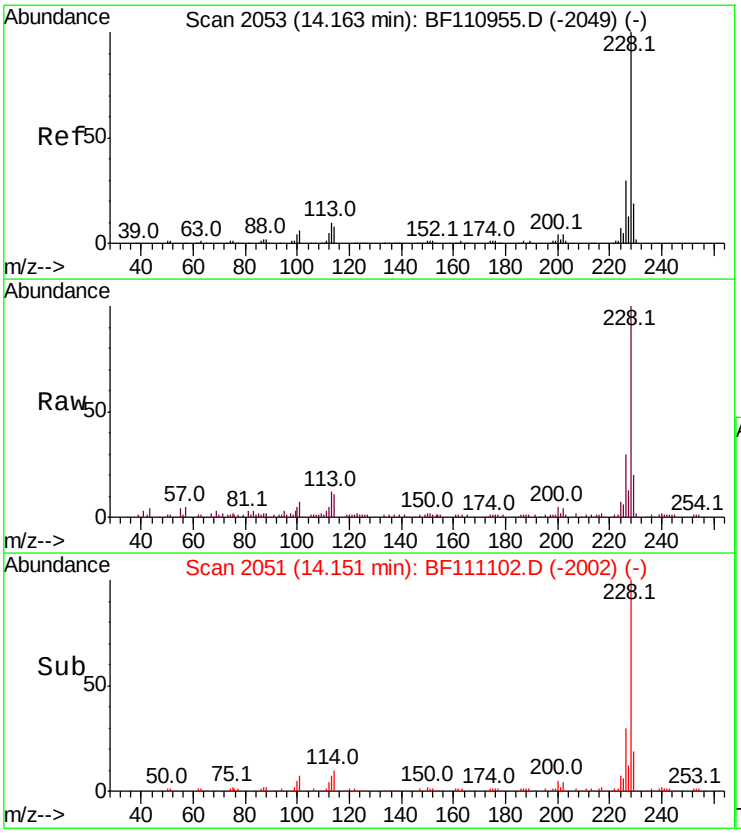
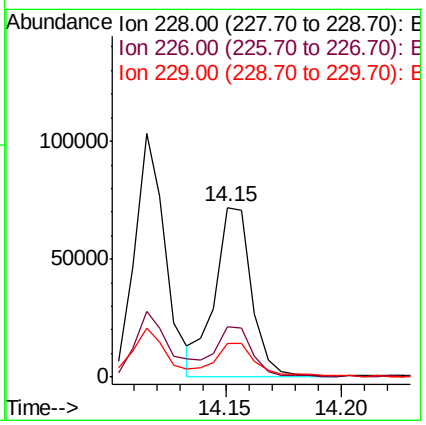
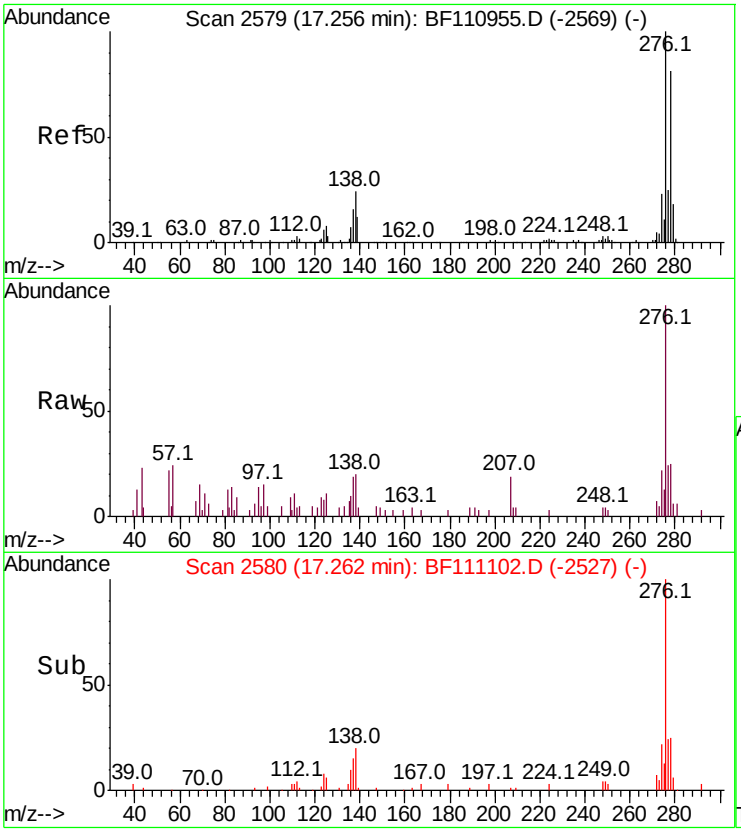


#83
Chrysene
Concen: 10.651 ng
RT: 14.15 min Scan# 2051
Delta R.T. -0.01 min
Lab File: BF111102.D
Acq: 29 Nov 2018 20:37

Tgt Ion:228 Resp: 79085

Ion	Ratio	Lower	Upper
228	100		
226	30.0	24.7	37.1
229	19.7	15.9	23.9

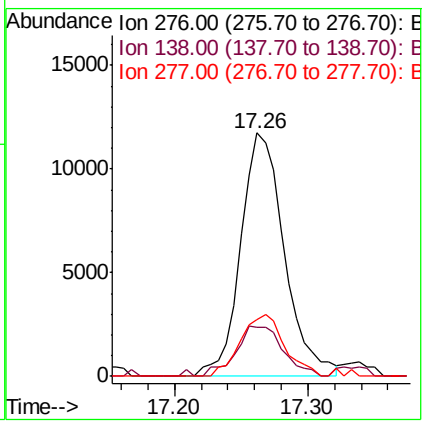




#86
Indeno(1,2,3-cd)pyrene
Concen: 4.984 ng
RT: 17.26 min Scan# 2580
Delta R.T. 0.01 min
Lab File: BF111102.D
Acq: 29 Nov 2018 20:37

Tgt Ion:276 Resp: 26562

Ion	Ratio	Lower	Upper
276	100		
138	22.4	18.5	27.7
277	25.5	20.0	30.0



Instrument :
BNA_F
ClientSampleId :
DTW-03(8-10)DL

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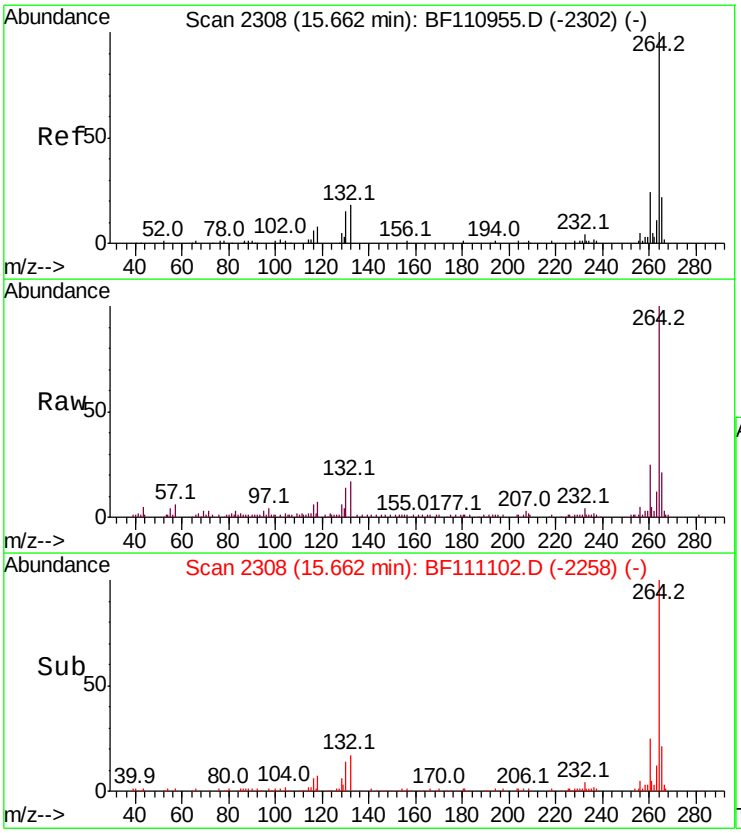
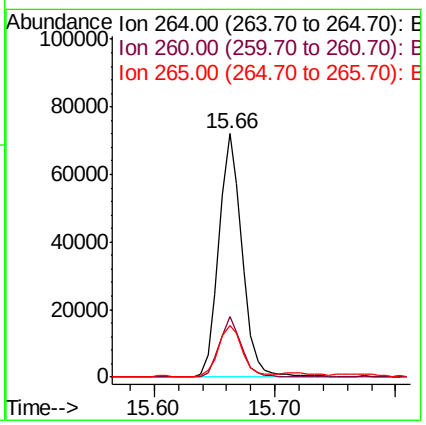
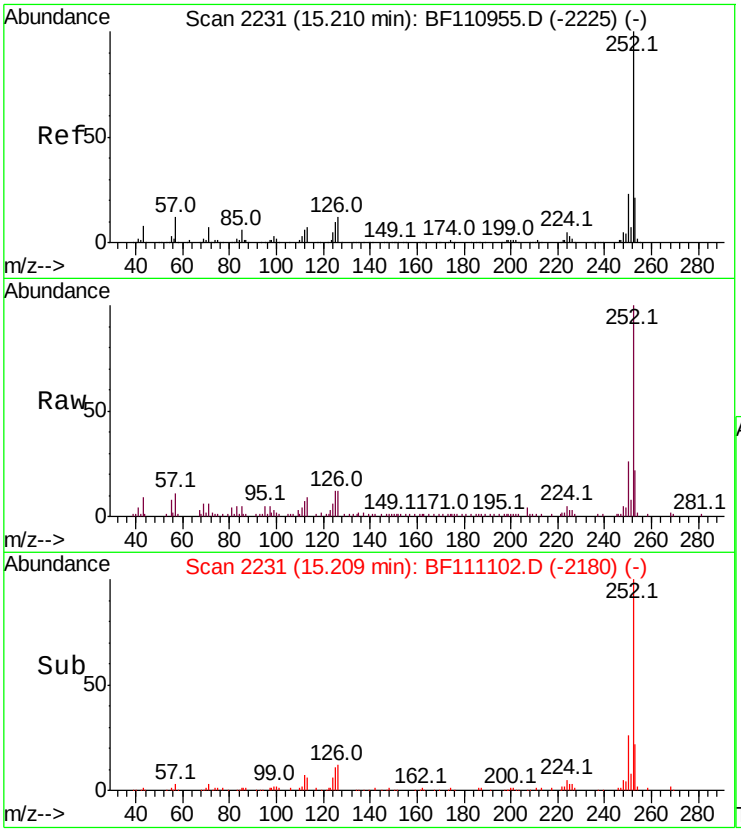


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.66 min Scan# 2308
Delta R.T. -0.01 min
Lab File: BF111102.D
Acq: 29 Nov 2018 20:37

Tgt Ion:264 Resp: 95570

Ion	Ratio	Lower	Upper
264	100		
260	24.7	18.7	28.1
265	21.3	16.7	25.1

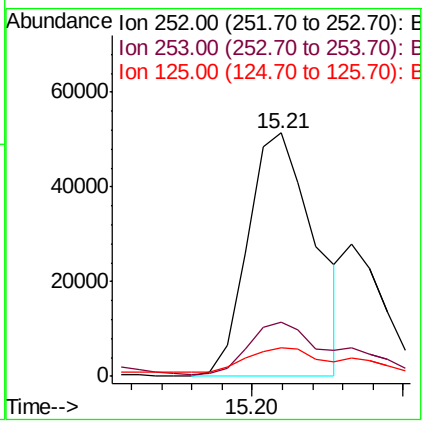




#88
Benzo(b)fluoranthene
Concen: 14.154 ng m
RT: 15.21 min Scan# 2231
Delta R.T. -0.00 min
Lab File: BF111102.D
Acq: 29 Nov 2018 20:37

Tgt Ion:252 Resp: 79466

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.2	25.8
125	11.9	8.2	12.4



Instrument :
BNA_F
ClientSampleId :
DTW-03(8-10)DL

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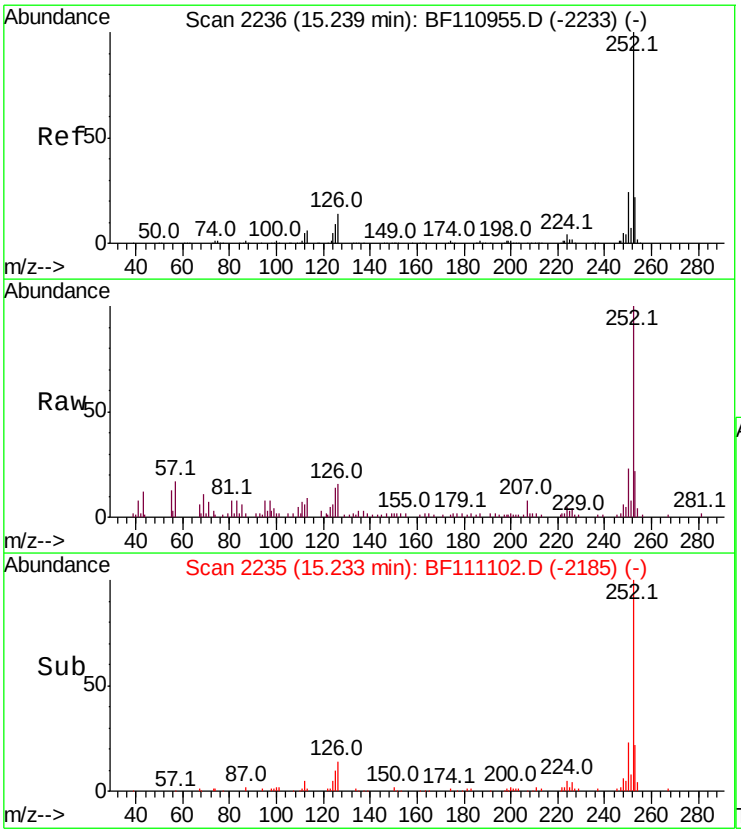
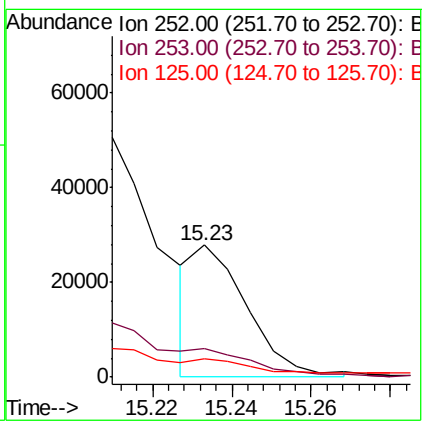
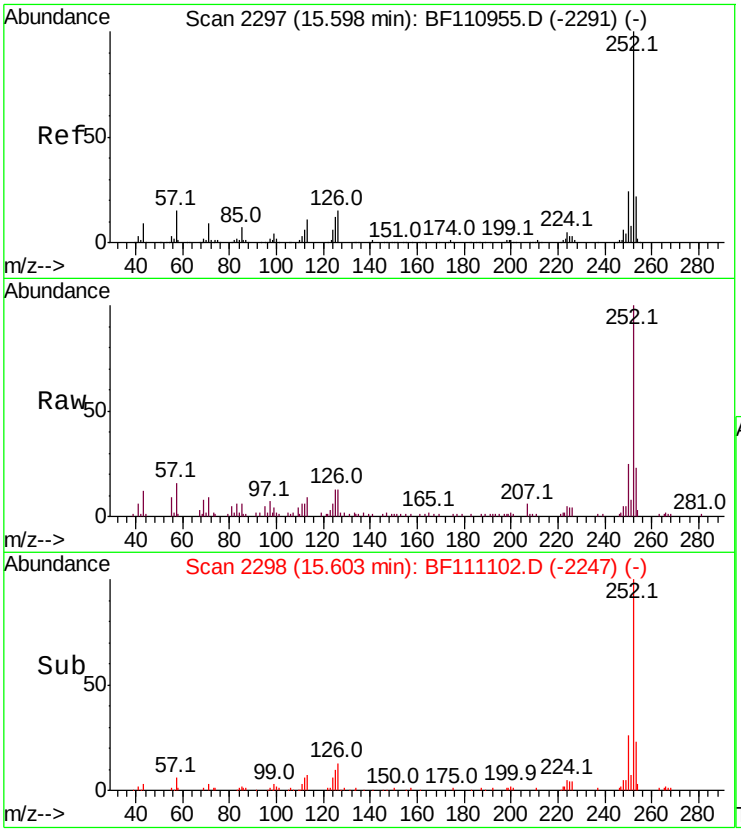


#89
Benzo(k)fluoranthene
Concen: 4.524 ng m
RT: 15.23 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF111102.D
Acq: 29 Nov 2018 20:37

Tgt Ion:252 Resp: 26145

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.2	25.8
125	13.7	7.4	11.0#

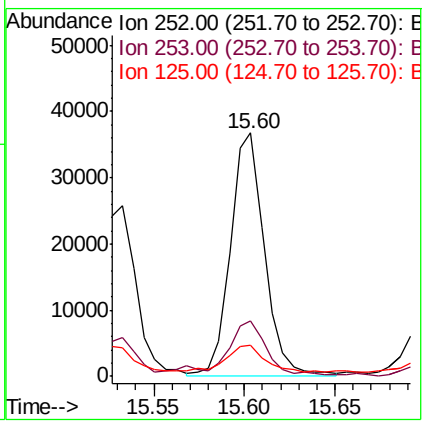




#90
Benzo(a)pyrene
Concen: 9.257 ng
RT: 15.60 min Scan# 2298
Delta R.T. -0.00 min
Lab File: BF111102.D
Acq: 29 Nov 2018 20:37

Tgt Ion:252 Resp: 48377

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.4
125	13.0	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
DTW-03(8-10)DL

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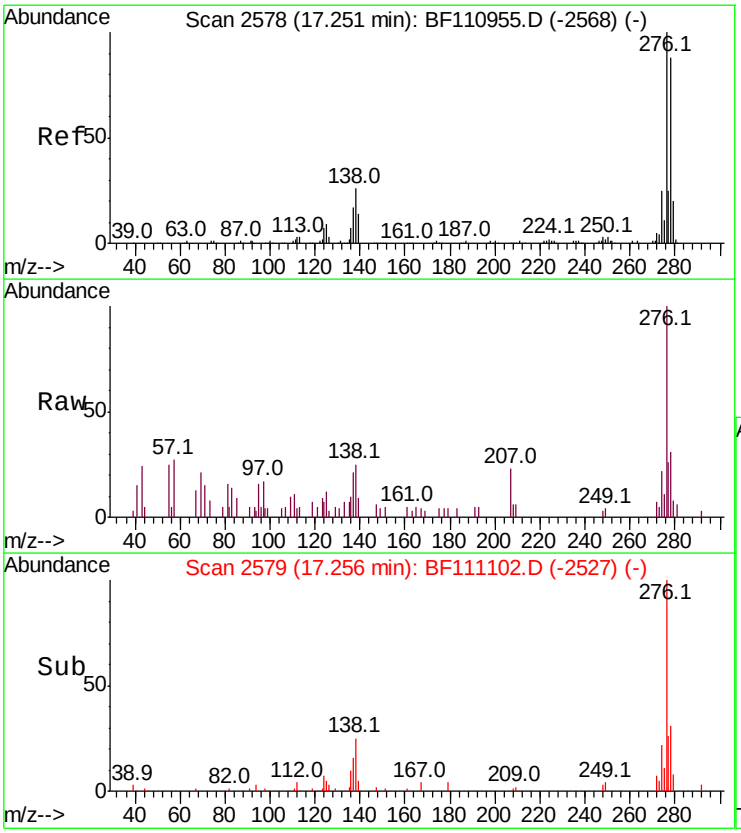
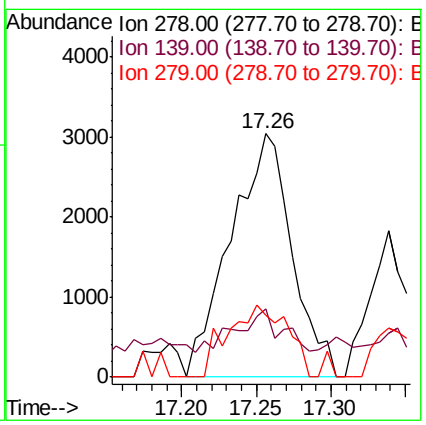
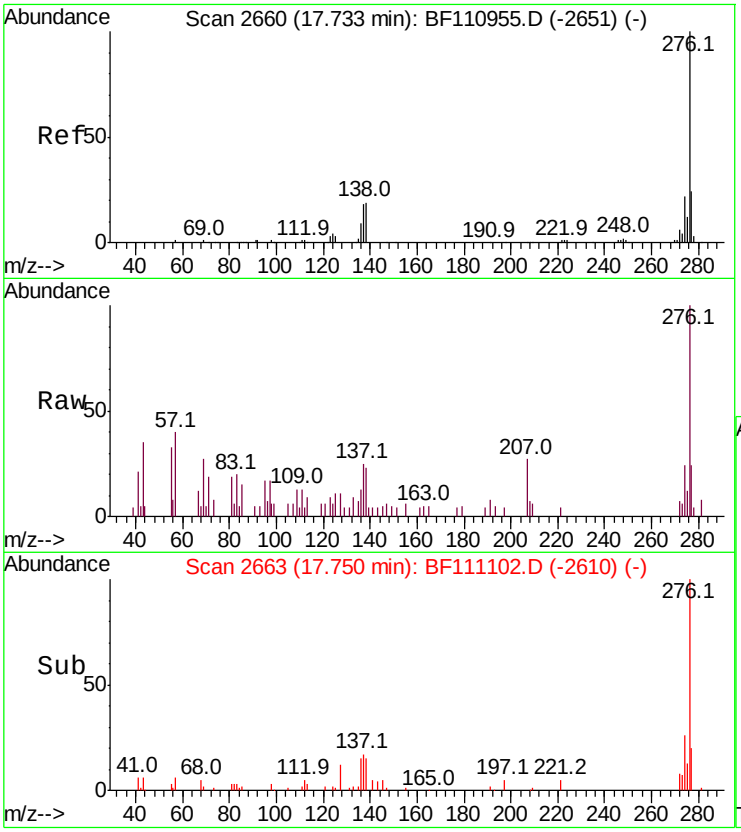


#91
Dibenzo(a,h)anthracene
Concen: 2.012 ng
RT: 17.26 min Scan# 2579
Delta R.T. 0.01 min
Lab File: BF111102.D
Acq: 29 Nov 2018 20:37

Tgt Ion:278 Resp: 8677

Ion	Ratio	Lower	Upper
278	100		
139	28.3	12.7	19.1#
279	25.4	19.0	28.4

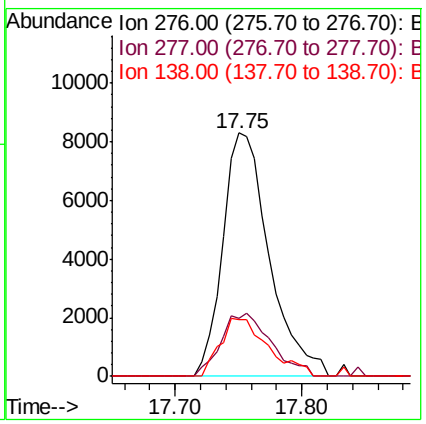




#92
Benzo(g,h,i)perylene
Concen: 5.059 ng
RT: 17.75 min Scan# 2663
Delta R.T. 0.01 min
Lab File: BF111102.D
Acq: 29 Nov 2018 20:37

Tgt Ion:276 Resp: 21034

Ion	Ratio	Lower	Upper
276	100		
277	23.6	18.8	28.2
138	23.4	16.0	24.0



Instrument :
BNA_F
ClientSampleId :
DTW-03(8-10)DL

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