Quantitation Report (QT Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF111617\
Data File : BF100638.D
Acq On : 16 Nov 2017 18:41
Operator : SJ/JU
Sample : I6305-09DL 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PL-01-111317-DDL

Manual Integrations APPROVED
SOHIL
11/17/2017 1:25:07 PM

Quant Time: Nov 16 19:08:43 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 16 17:27:23 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	112900	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	462114	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	217154	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	380020	20.00	ng	0.00
75) Chrysene-d12	14.04	240	225686	20.00	ng	0.00
86) Perylene-d12	15.52	264	236347	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	77959	11.07	ng	-0.01
7) Phenol-d6	6.49	99	98480	11.34	ng	-0.02
23) Nitrobenzene-d5	7.44	82	56537	8.09	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	15089	6.82	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	105356	7.39	ng	0.00
78) Terphenyl-d14	12.98	244	71676	7.30	ng	-0.01
Target Compounds						Qvalue
54) Dibenzofuran	10.12	168	41668	2.165	ng	96
57) Fluorene	10.46	166	77334	5.485	ng	98
70) Phenanthrene	11.43	178	458075	22.894	ng	98
71) Anthracene	11.48	178	119155	5.870	ng	99
72) Carbazole	11.63	167	39427	2.105	ng	96
74) Fluoranthene	12.62	202	440562	20.776	ng	98
77) Pyrene	12.85	202	368138	22.883	ng	99
80) Benzo(a)anthracene	14.03	228	145335	10.694	ng	99
82) Chrysene	14.07	228	126883	9.641	ng	98
85) Indeno(1,2,3-cd)pyrene	16.99	276	51564	4.844	ng	93
87) Benzo(b)fluoranthene	15.08	252	131338m	9.380	ng	
88) Benzo(k)fluoranthene	15.11	252	53828m	4.069	ng	
89) Benzo(a)pyrene	15.45	252	106594	8.587	ng	99
91) Benzo(g,h,i)perylene	17.44	276	46323	4.661	ng	96

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

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BNA_F
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PL-01-111317-DDL

Manual Integrations APPROVED
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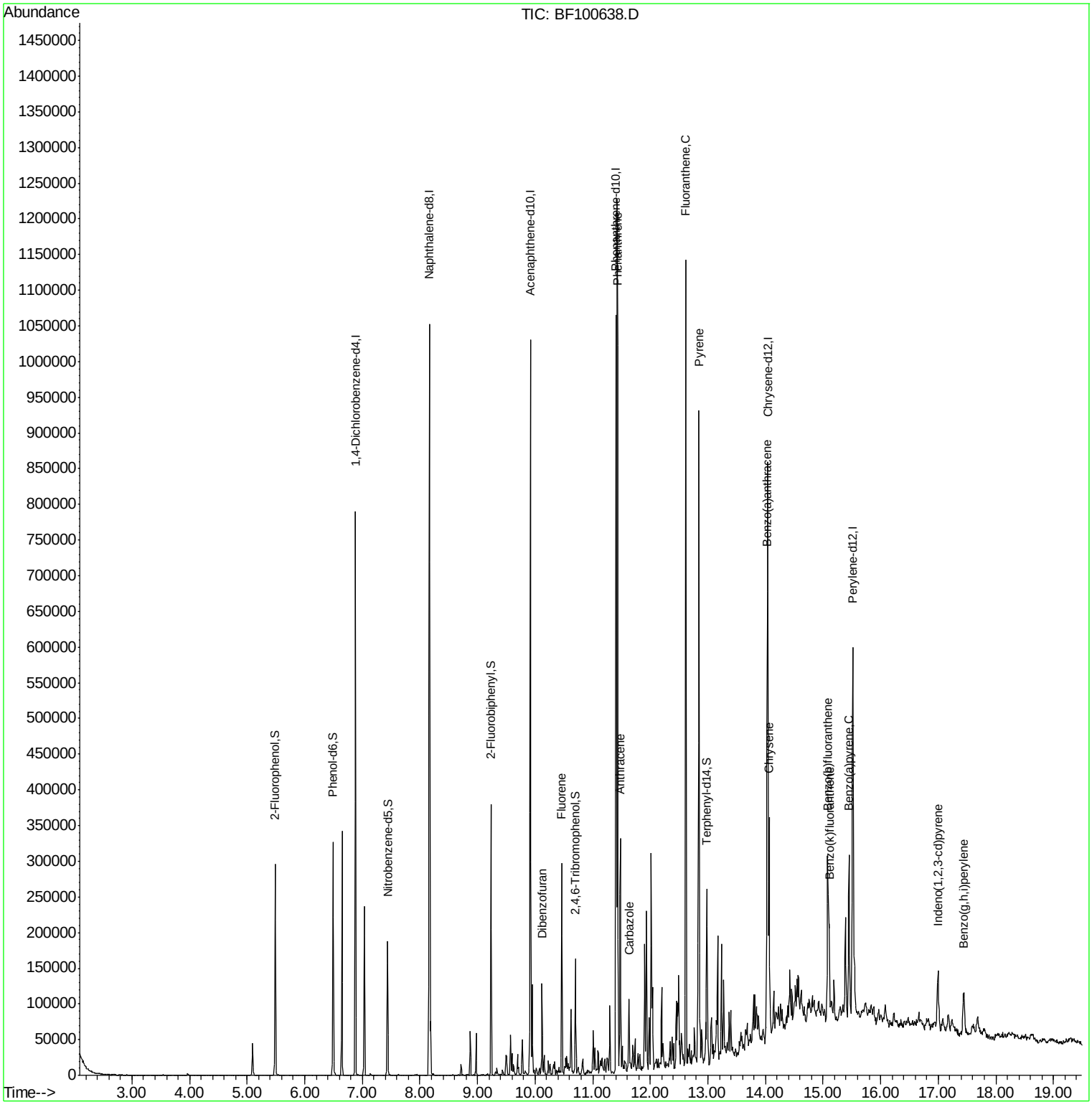
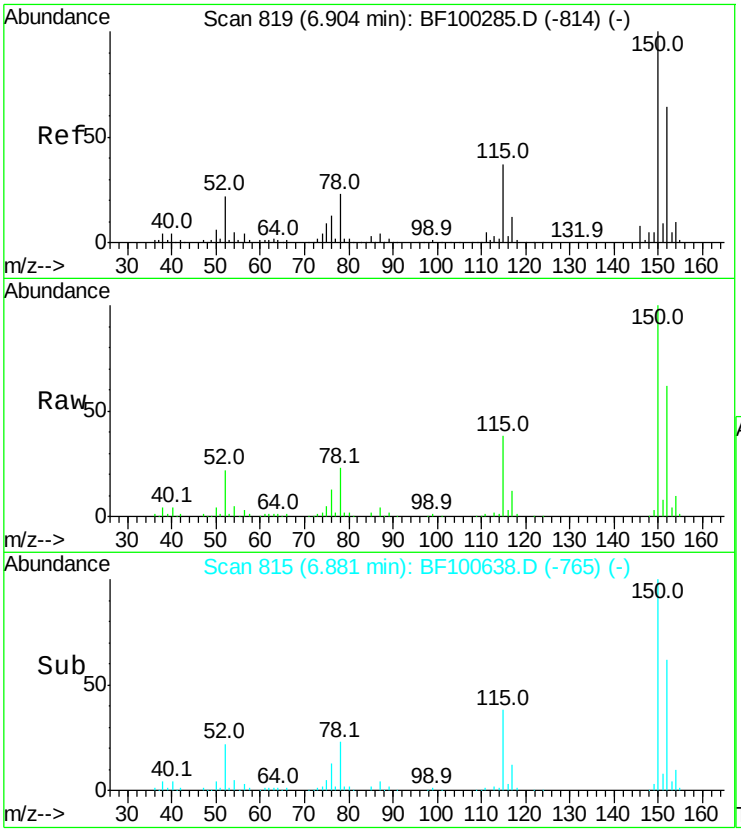
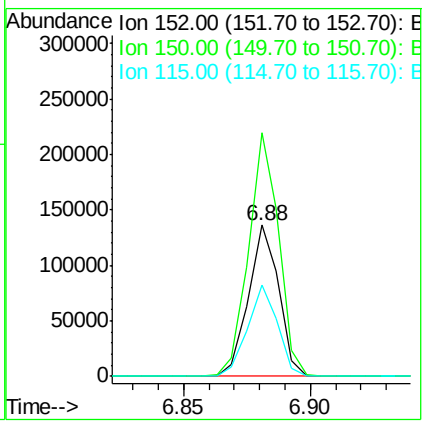




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF100638.D
Acq: 16 Nov 2017 18:41

Tgt Ion:152 Resp: 112900

Ion	Ratio	Lower	Upper
152	100		
150	161.4	124.6	186.8
115	60.9	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
PL-01-111317-DDL

Manual Integrations APPROVED
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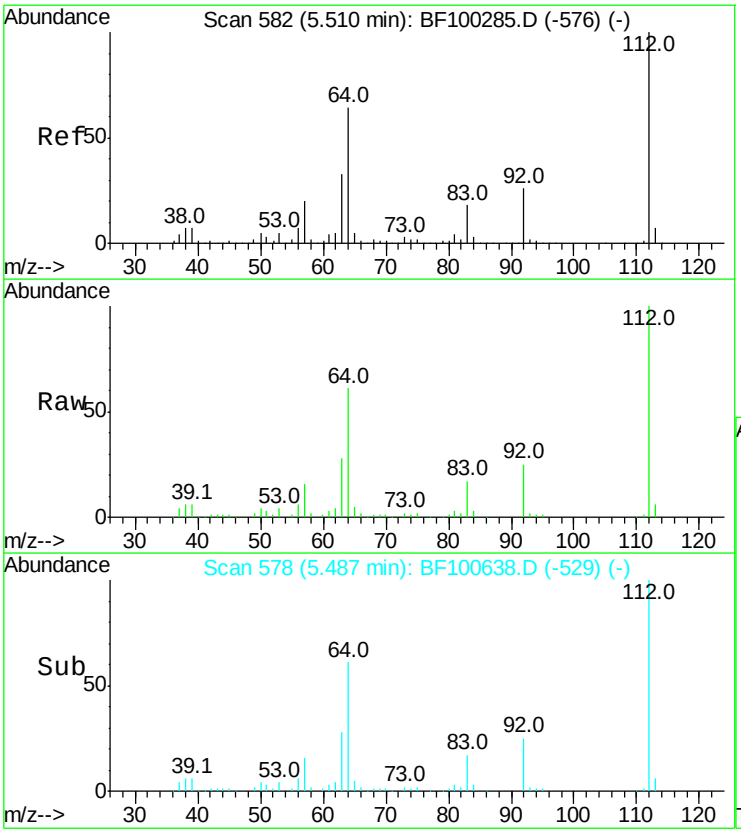
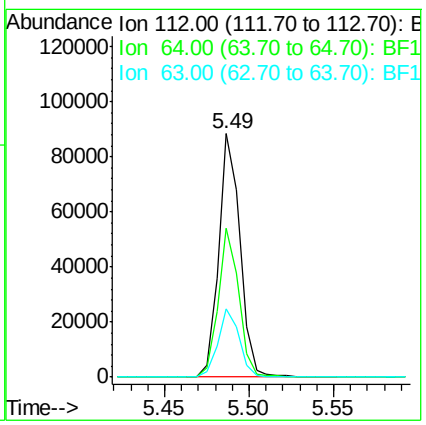
11/17/2017 1:25:07 PM

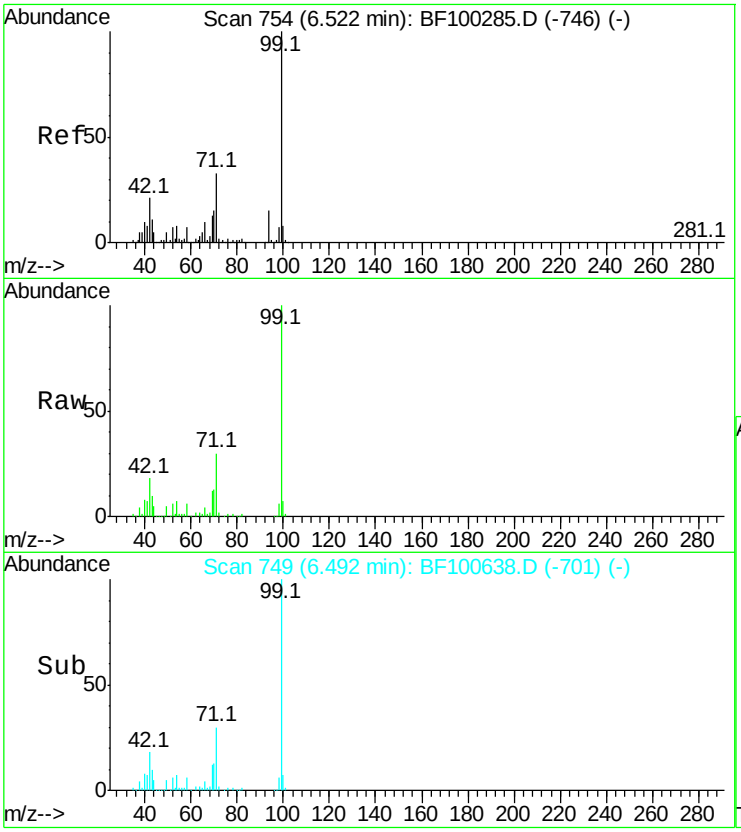


#5
2-Fluorophenol
Concen: 11.069 ng
RT: 5.49 min Scan# 578
Delta R.T. -0.01 min
Lab File: BF100638.D
Acq: 16 Nov 2017 18:41

Tgt Ion:112 Resp: 77959

Ion	Ratio	Lower	Upper
112	100		
64	61.2	47.9	71.9
63	28.3	23.7	35.5

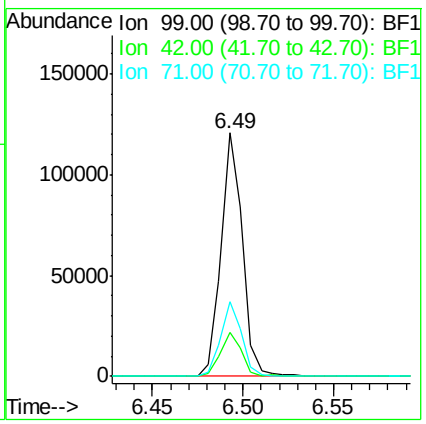




#7
Phenol-d6
Concen: 11.339 ng
RT: 6.49 min Scan# 749
Delta R.T. -0.02 min
Lab File: BF100638.D
Acq: 16 Nov 2017 18:41

Tgt Ion: 99 Resp: 98480

Ion	Ratio	Lower	Upper
99	100		
42	18.3	14.5	21.7
71	30.5	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
PL-01-111317-DDL

Manual Integrations APPROVED
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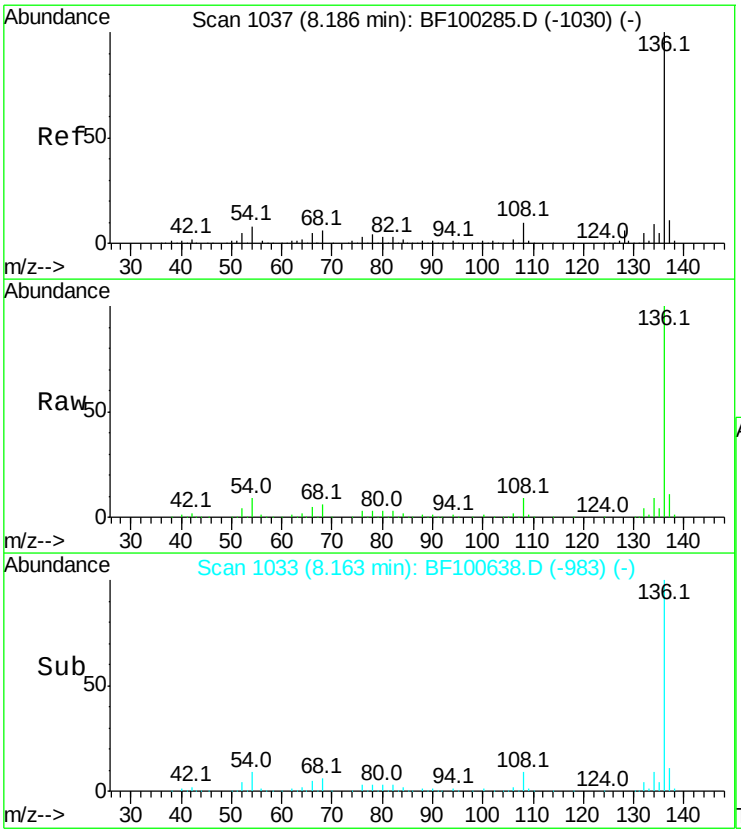
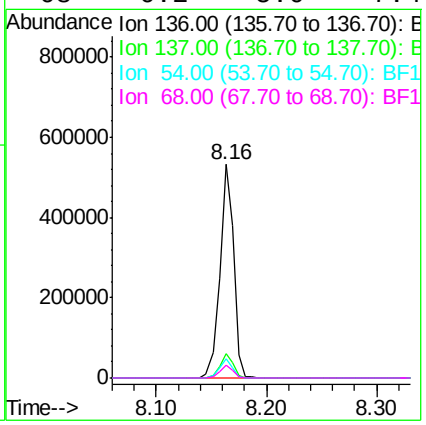
11/17/2017 1:25:07 PM

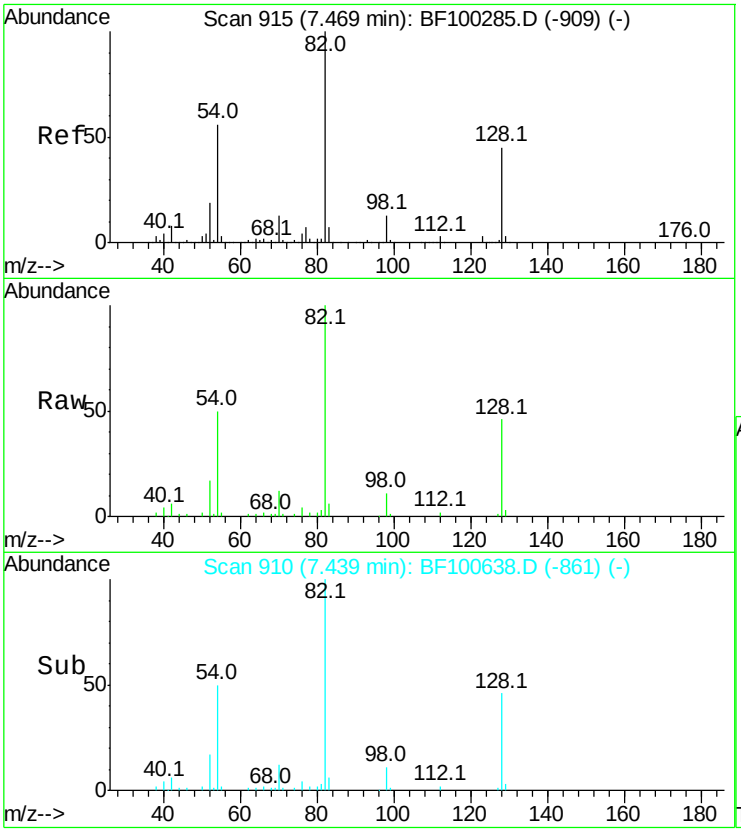


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF100638.D
Acq: 16 Nov 2017 18:41

Tgt Ion:136 Resp: 462114

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	9.1	6.6	9.8
68	6.2	5.0	7.4

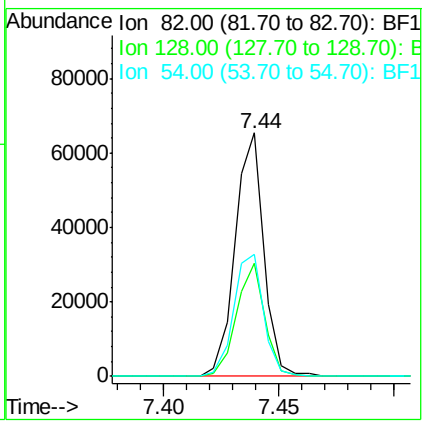




#23
Nitrobenzene-d5
Concen: 8.089 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF100638.D
Acq: 16 Nov 2017 18:41

Tgt Ion: 82 Resp: 56537

Ion	Ratio	Lower	Upper
82	100		
128	46.4	36.1	54.1
54	50.0	41.4	62.2



Instrument :
BNA_F
ClientSampleId :
PL-01-111317-DDL

Manual Integrations APPROVED
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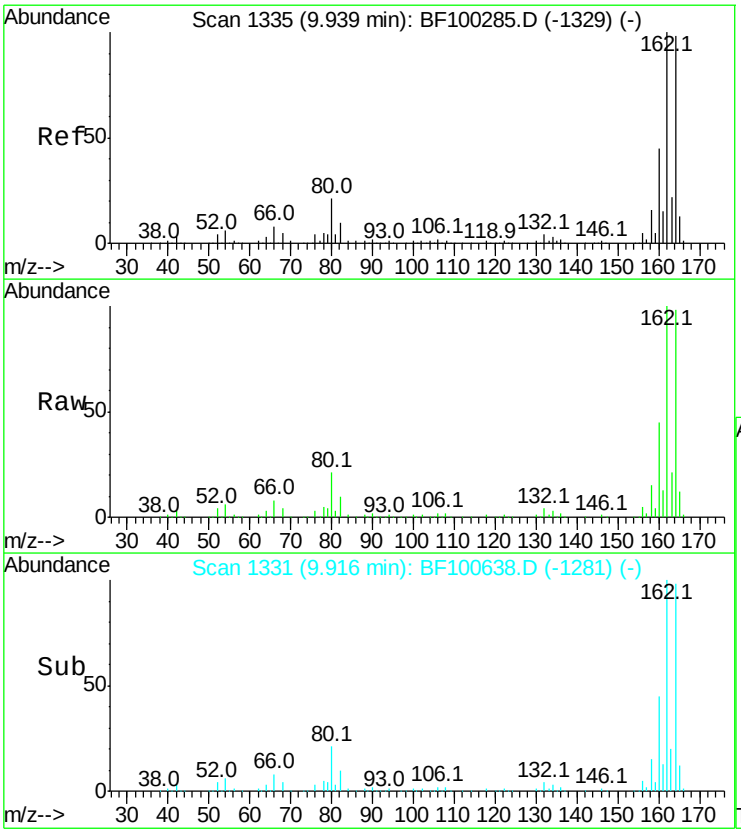
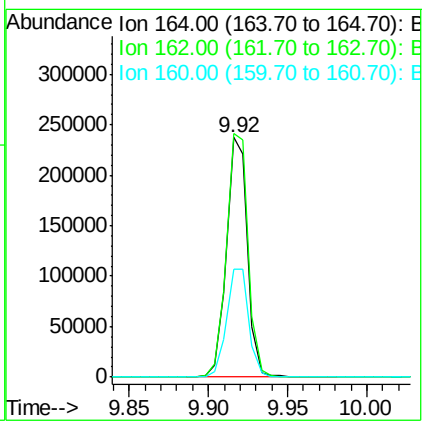
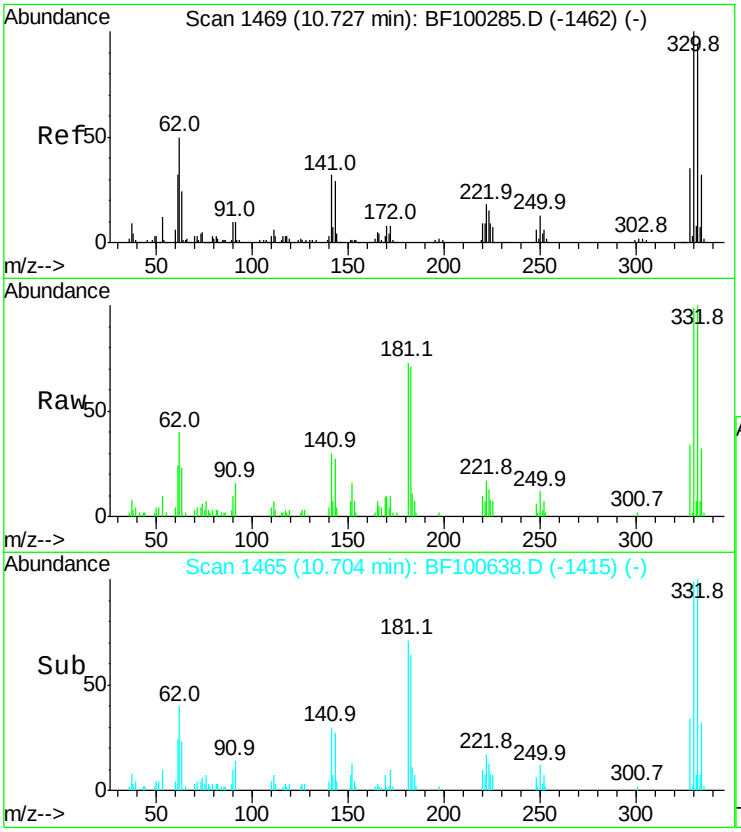


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF100638.D
Acq: 16 Nov 2017 18:41

Tgt Ion:164 Resp: 217154

Ion	Ratio	Lower	Upper
164	100		
162	101.7	86.1	129.1
160	45.3	38.3	57.5

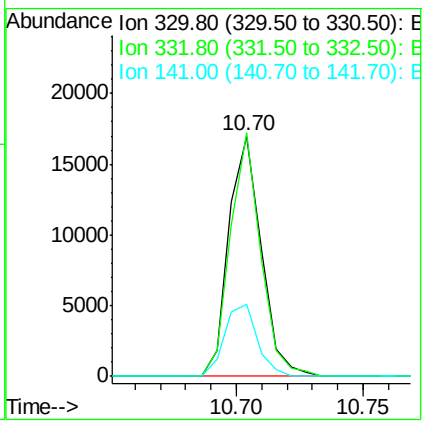




#41
2,4,6-Tribromophenol
Concen: 6.819 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.01 min
Lab File: BF100638.D
Acq: 16 Nov 2017 18:41

Tgt Ion:330 Resp: 15089

Ion	Ratio	Lower	Upper
330	100		
332	95.1	77.0	115.6
141	30.3	29.9	44.9



Instrument :
BNA_F
ClientSampleId :
PL-01-111317-DDL

Manual Integrations APPROVED
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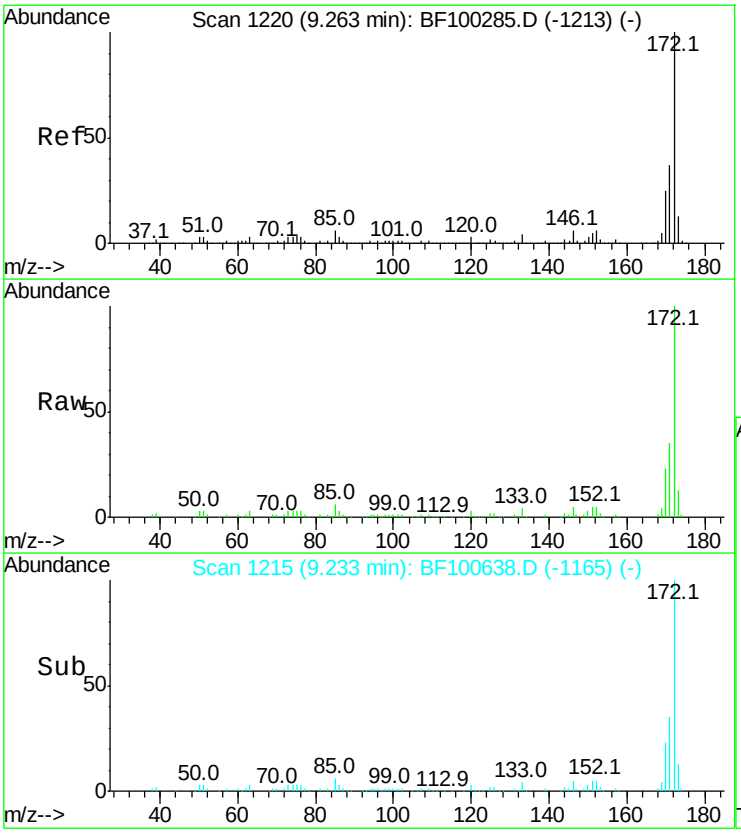
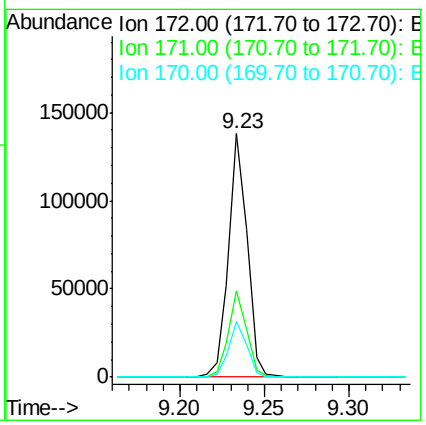
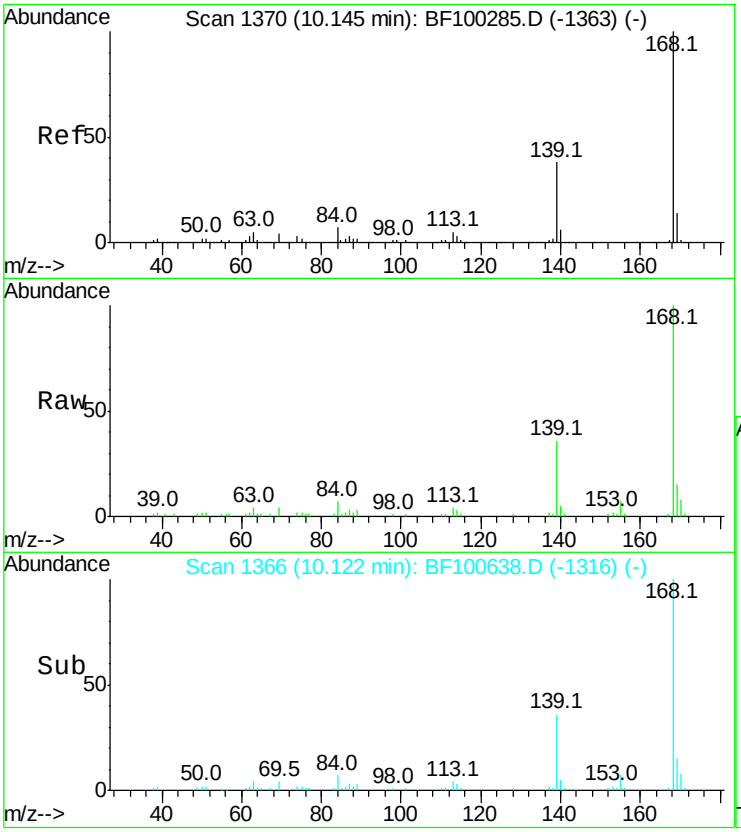


#44
2-Fluorobiphenyl
Concen: 7.388 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF100638.D
Acq: 16 Nov 2017 18:41

Tgt Ion:172 Resp: 105356

Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	23.0	19.6	29.4

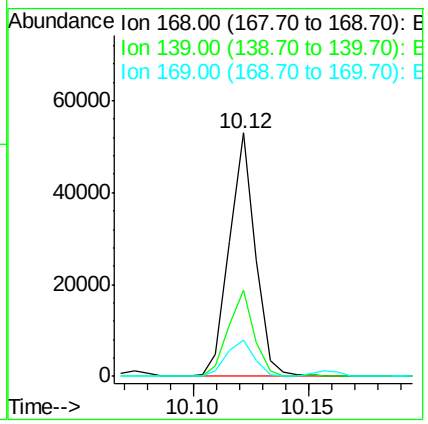




#54
Dibenzofuran
Concen: 2.165 ng
RT: 10.12 min Scan# 1366
Delta R.T. -0.01 min
Lab File: BF100638.D
Acq: 16 Nov 2017 18:41

Tgt Ion:168 Resp: 41668

Ion	Ratio	Lower	Upper
168	100		
139	35.5	30.1	45.1
169	15.1	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
PL-01-111317-DDL

Manual Integrations APPROVED
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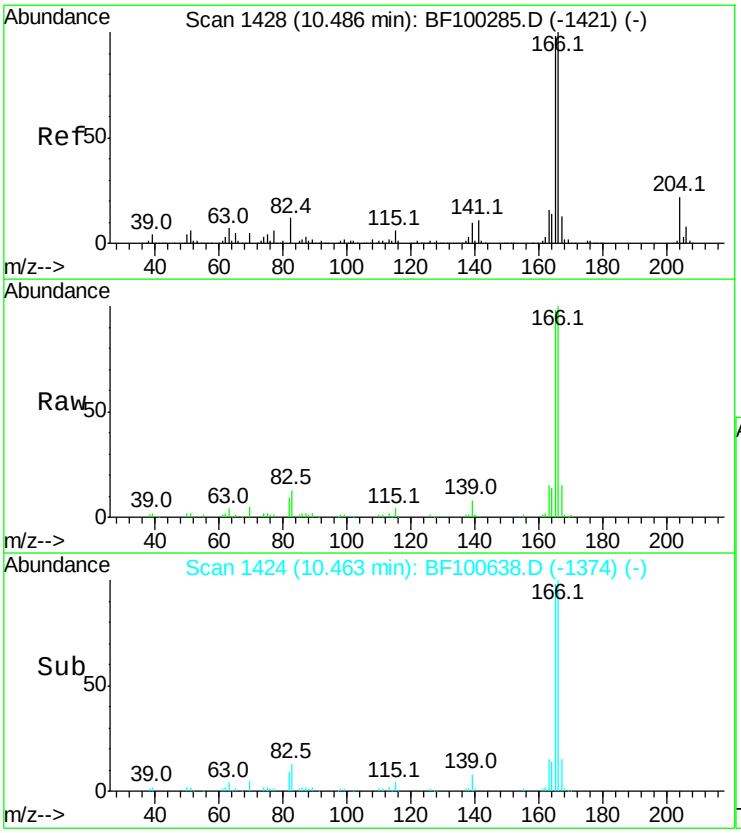
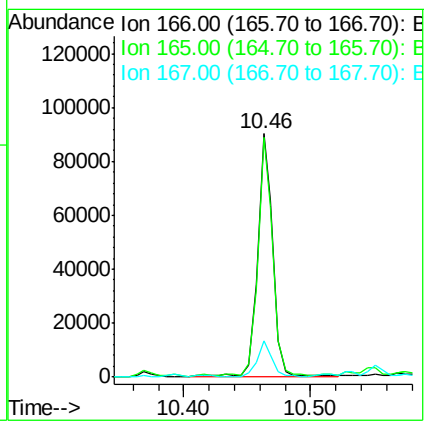
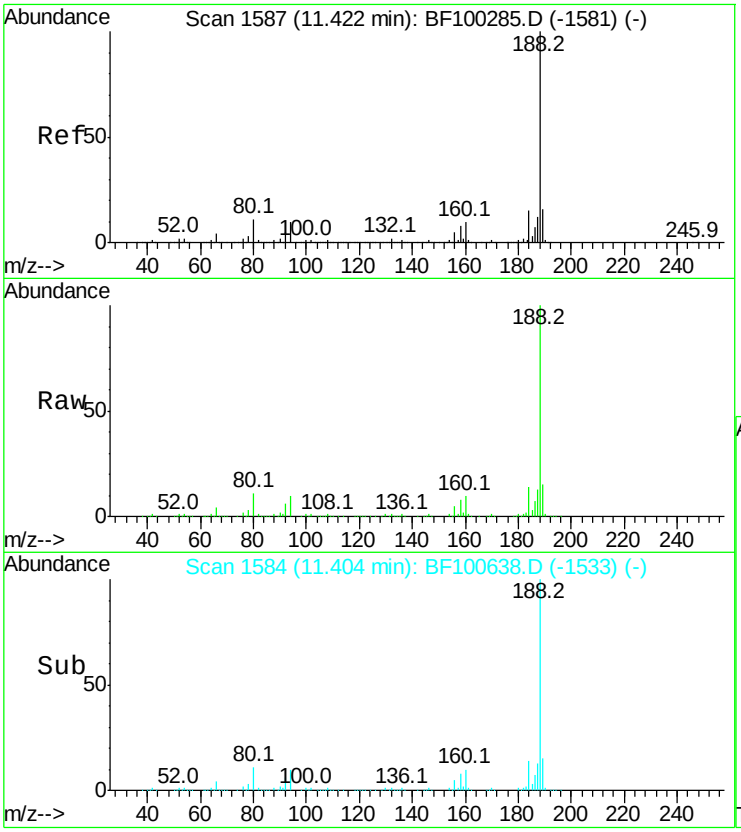


#57
Fluorene
Concen: 5.485 ng
RT: 10.46 min Scan# 1424
Delta R.T. -0.01 min
Lab File: BF100638.D
Acq: 16 Nov 2017 18:41

Tgt Ion:166 Resp: 77334

Ion	Ratio	Lower	Upper
166	100		
165	98.4	79.8	119.8
167	15.0	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: BF100638.D
Acq: 16 Nov 2017 18:41

Tgt Ion:188 Resp: 380020

Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.5	12.7
80	10.7	9.2	13.8

Instrument :
BNA_F
ClientSampleId :
PL-01-111317-DDL

Manual Integrations APPROVED
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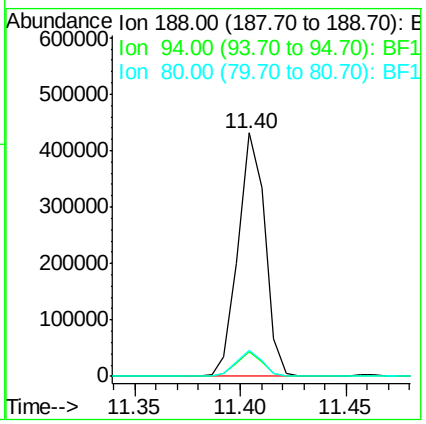
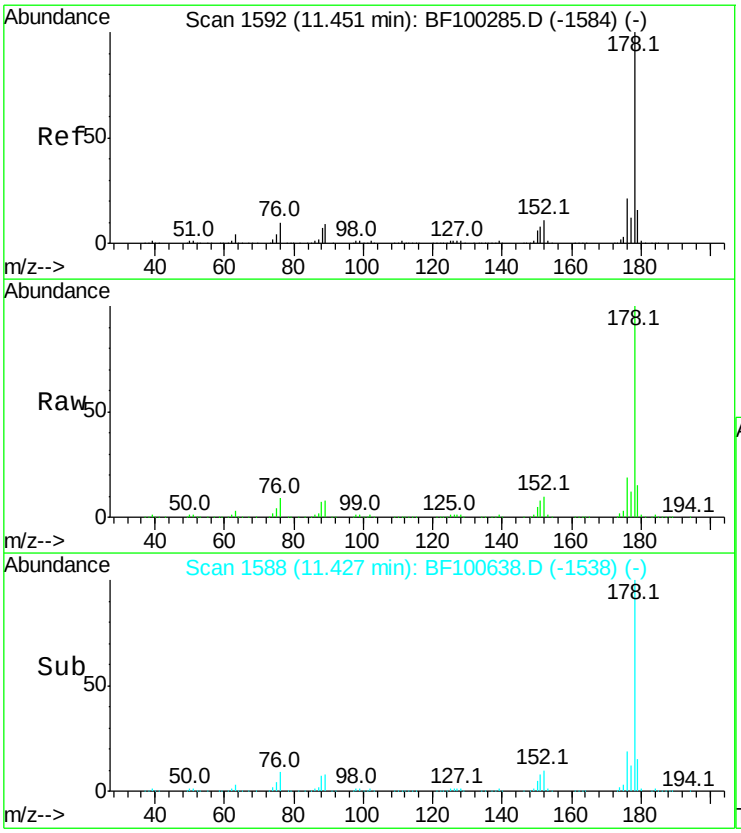
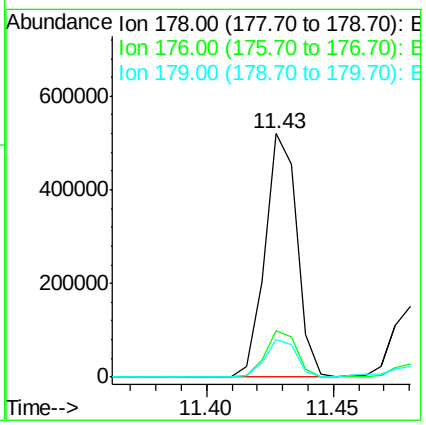


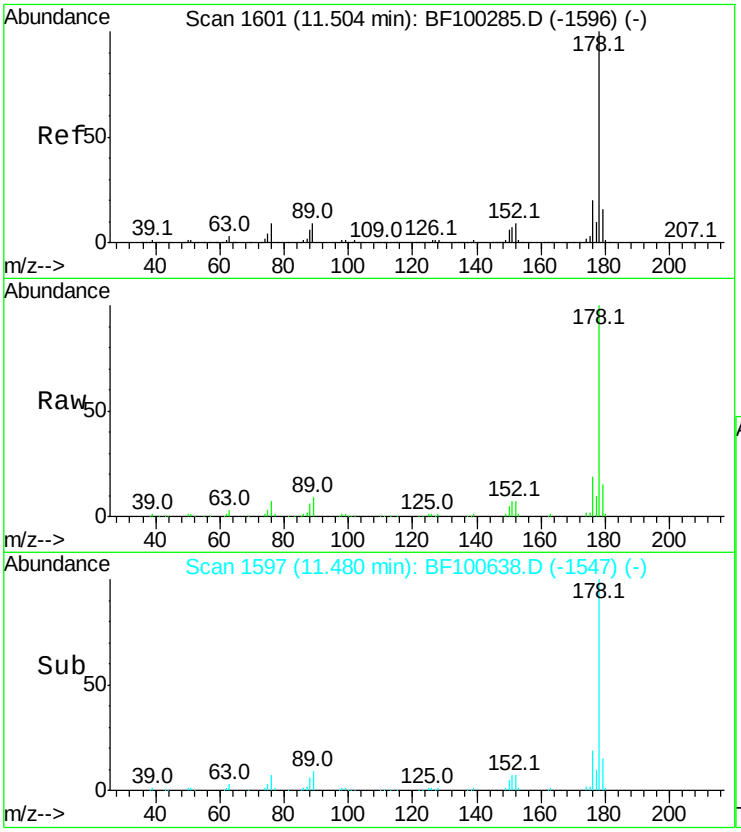


#70
Phenanthrene
Concen: 22.894 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF100638.D
Acq: 16 Nov 2017 18:41

Tgt Ion:178 Resp: 458075

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.8	23.8
179	15.2	13.0	19.6

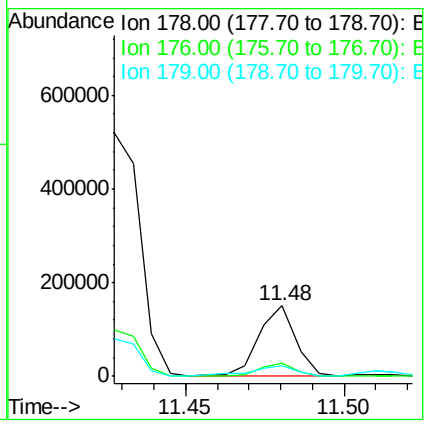




#71
Anthracene
Concen: 5.870 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF100638.D
Acq: 16 Nov 2017 18:41

Tgt Ion:178 Resp: 119155

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.4	23.2
179	15.2	12.6	19.0



Instrument :
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PL-01-111317-DDL

Manual Integrations APPROVED
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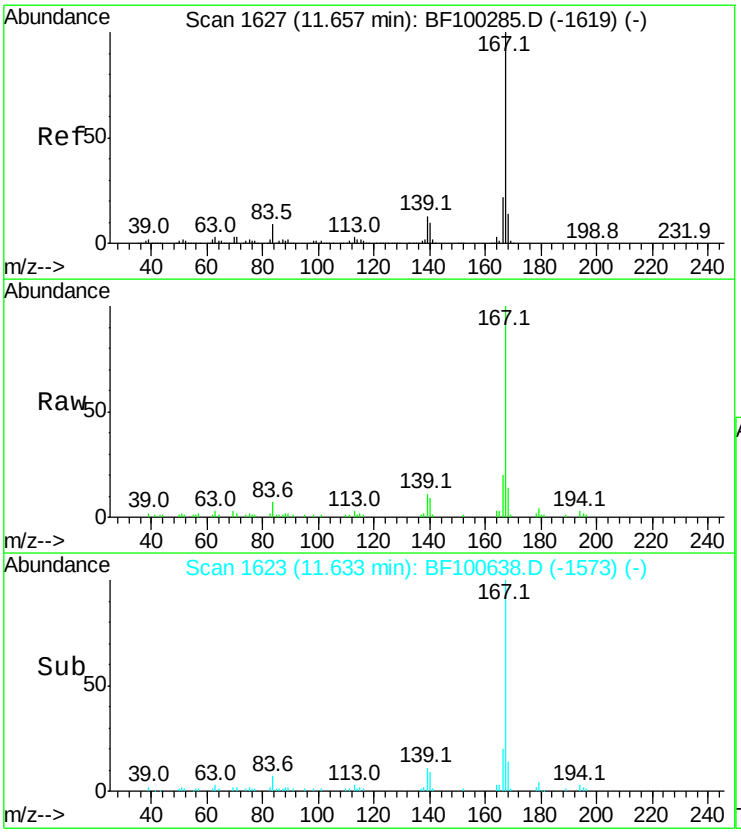
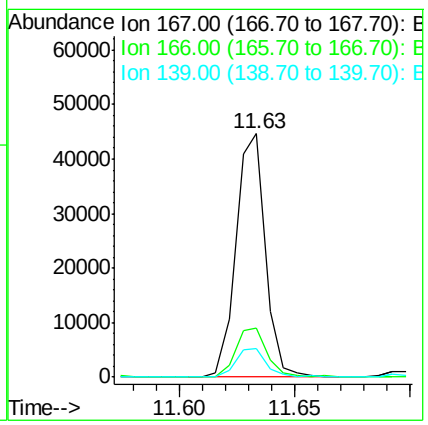
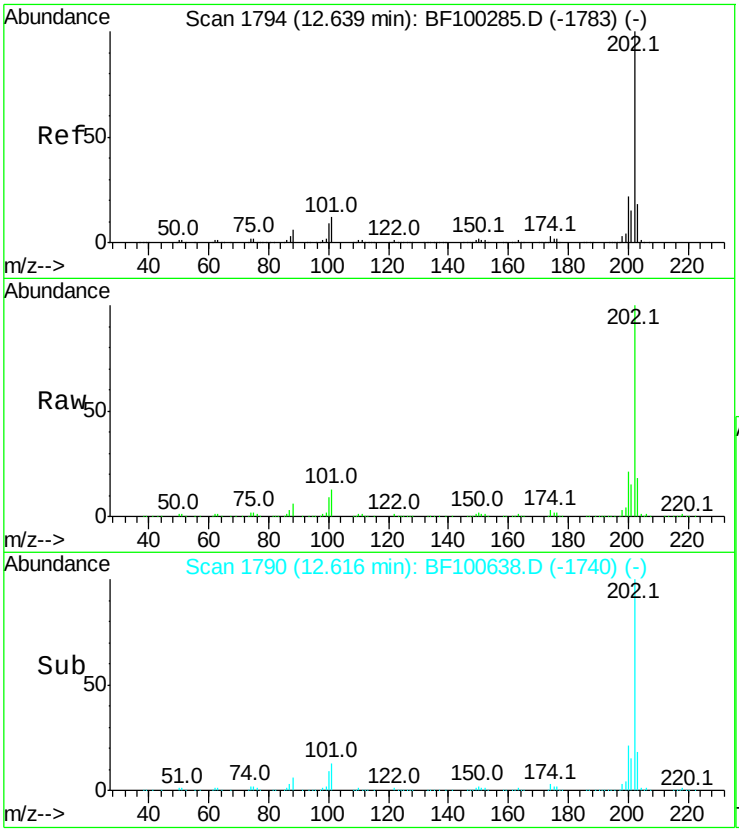


#72
Carbazole
Concen: 2.105 ng
RT: 11.63 min Scan# 1623
Delta R.T. -0.01 min
Lab File: BF100638.D
Acq: 16 Nov 2017 18:41

Tgt Ion:167 Resp: 39427

Ion	Ratio	Lower	Upper
167	100		
166	20.2	17.6	26.4
139	11.5	10.9	16.3

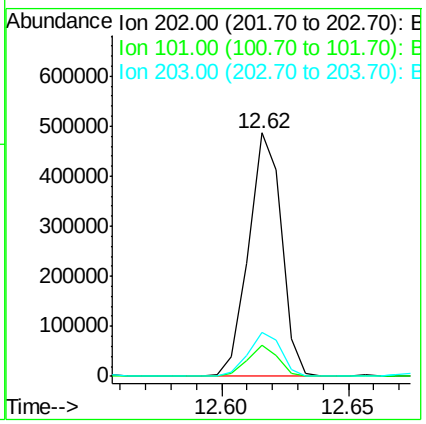




#74
Fluoranthene
Concen: 20.776 ng
RT: 12.62 min Scan# 1790
Delta R.T. -0.01 min
Lab File: BF100638.D
Acq: 16 Nov 2017 18:41

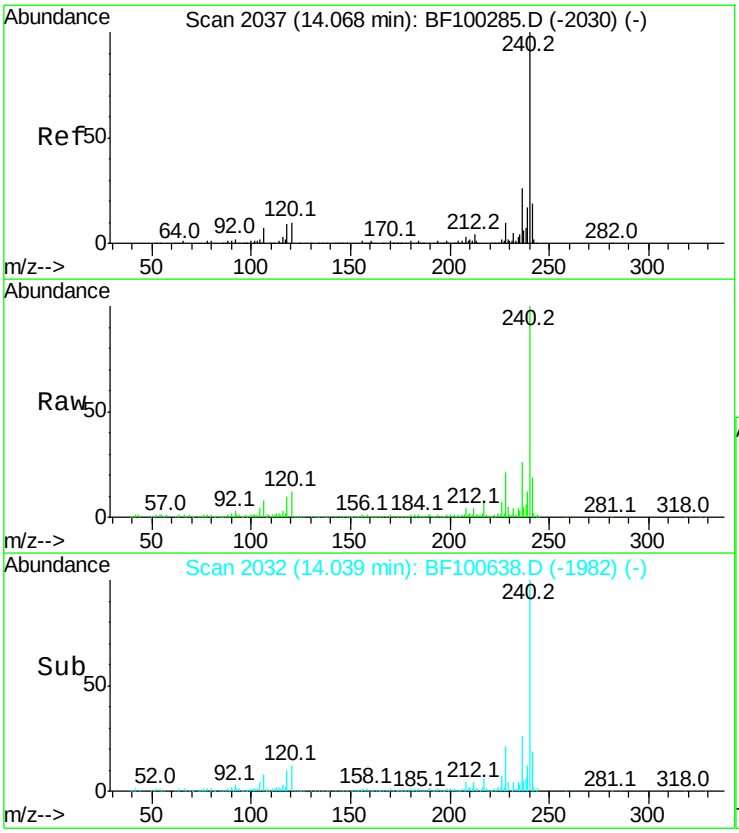
Tgt Ion:202 Resp: 440562

Ion	Ratio	Lower	Upper
202	100		
101	12.8	0.0	34.1
203	18.0	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
PL-01-111317-DDL

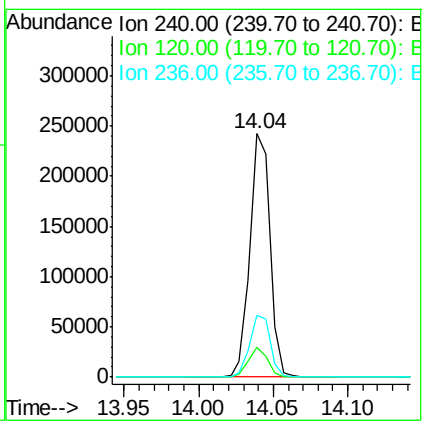
Manual Integrations APPROVED
SOHIL
11/17/2017 1:25:07 PM

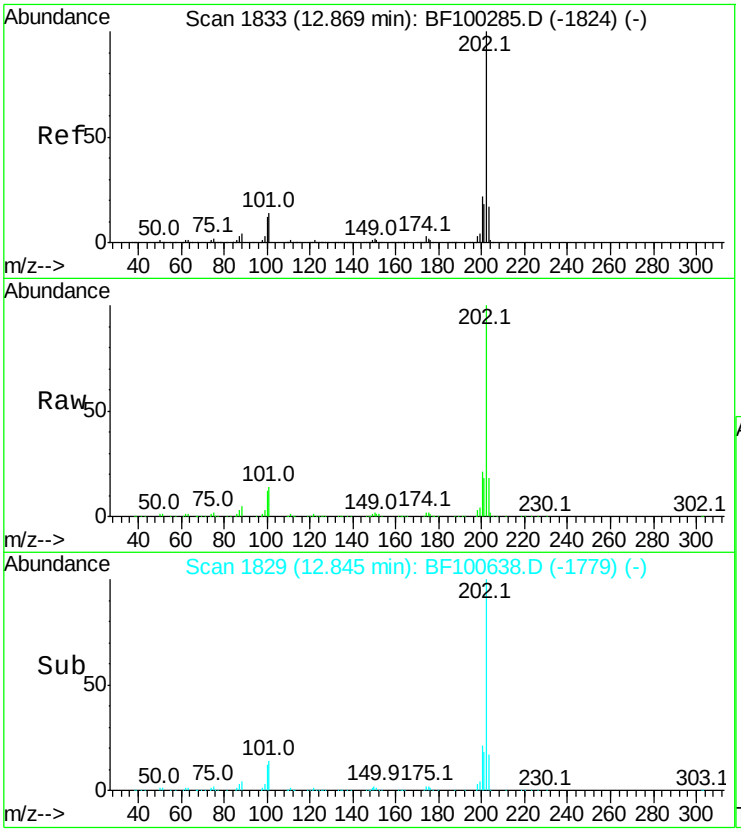


#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF100638.D
Acq: 16 Nov 2017 18:41

Tgt Ion:240 Resp: 225686

Ion	Ratio	Lower	Upper
240	100		
120	12.1	9.5	14.3
236	25.6	20.7	31.1

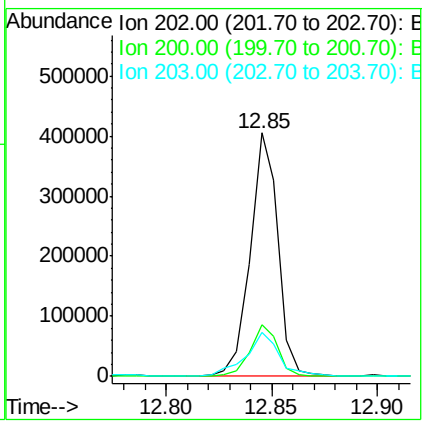




#77
Pyrene
Concen: 22.883 ng
RT: 12.85 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF100638.D
Acq: 16 Nov 2017 18:41

Tgt Ion:202 Resp: 368138

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.4	26.2
203	17.9	14.3	21.5



Instrument :
BNA_F
ClientSampleId :
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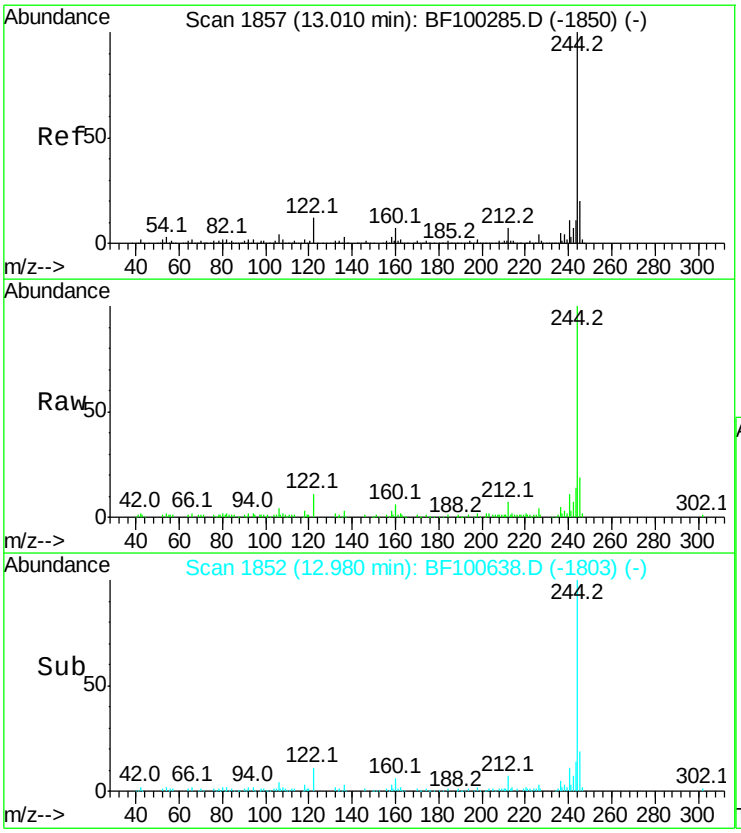
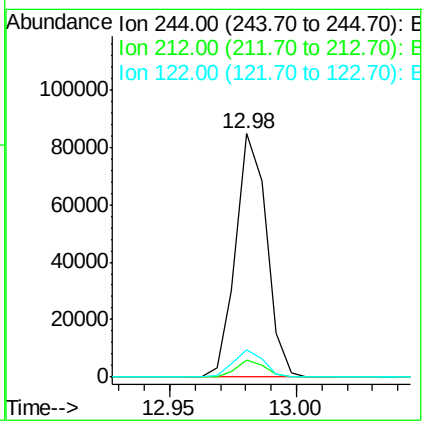
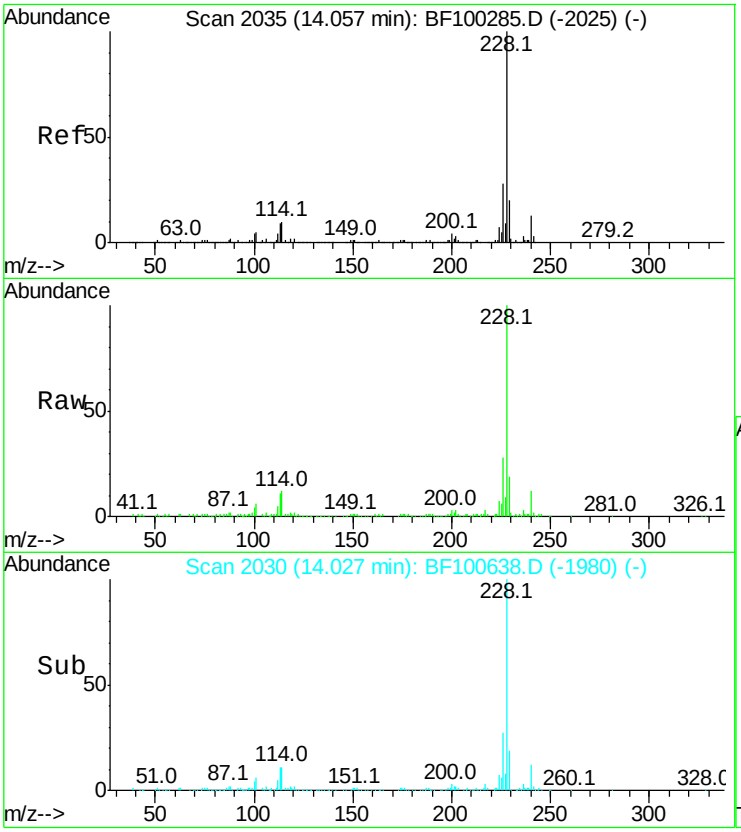


#78
Terphenyl-d14
Concen: 7.297 ng
RT: 12.98 min Scan# 1852
Delta R.T. -0.01 min
Lab File: BF100638.D
Acq: 16 Nov 2017 18:41

Tgt Ion:244 Resp: 71676

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	11.2	11.0	16.4

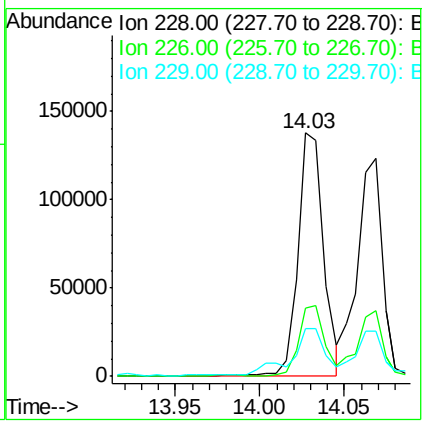




#80
Benzo(a)anthracene
Concen: 10.694 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF100638.D
Acq: 16 Nov 2017 18:41

Tgt Ion:228 Resp: 145335

Ion	Ratio	Lower	Upper
228	100		
226	27.8	22.6	33.8
229	19.5	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
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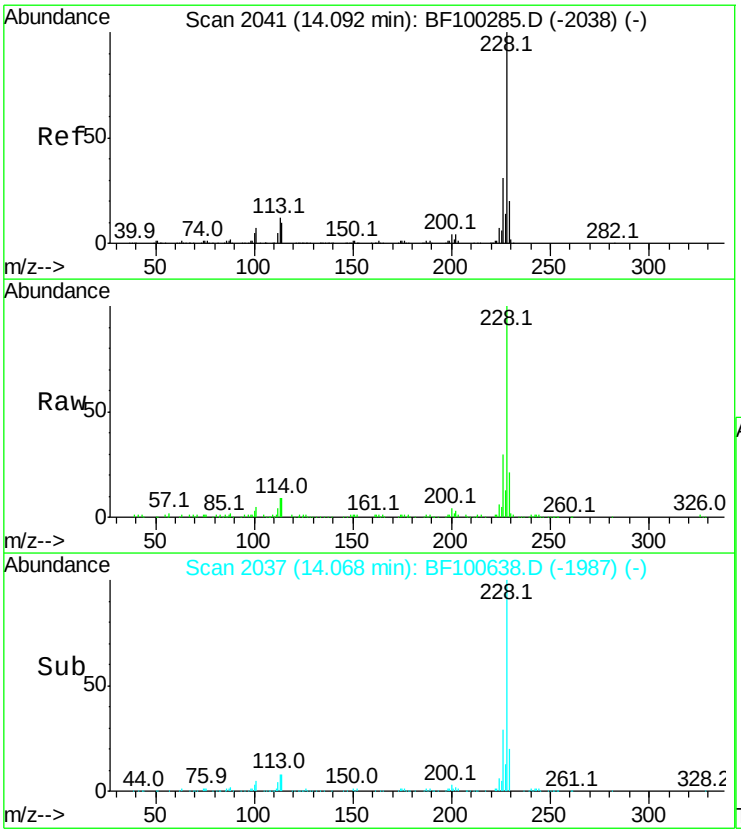
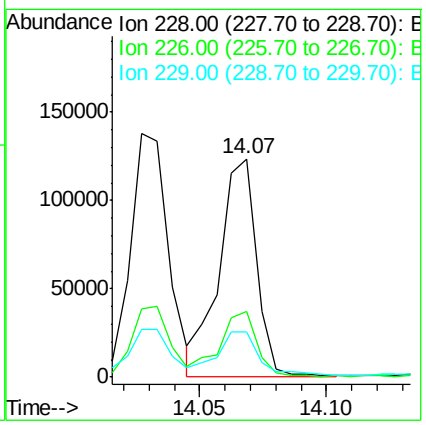
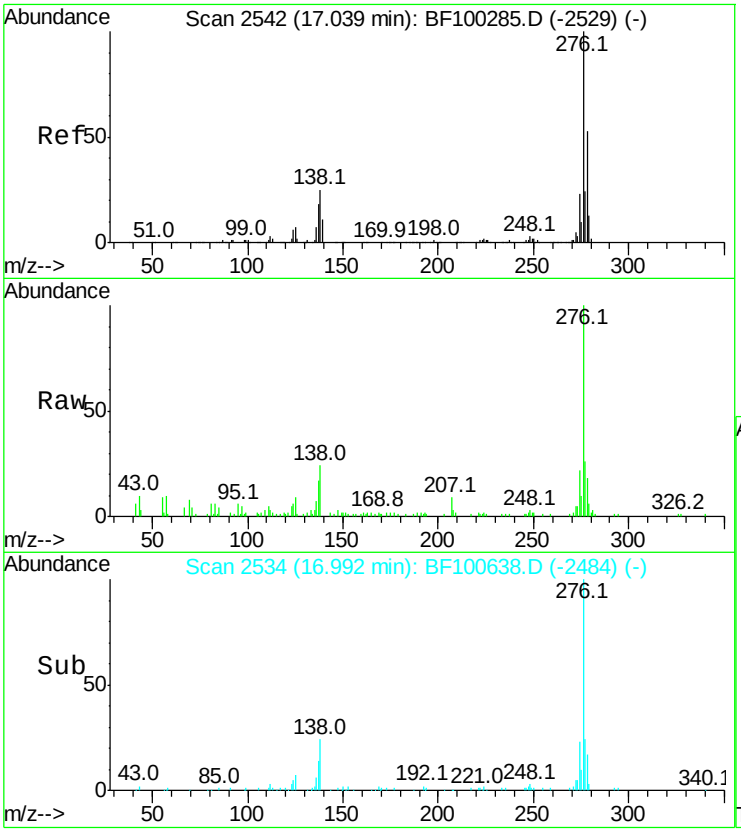


#82
Chrysene
Concen: 9.641 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF100638.D
Acq: 16 Nov 2017 18:41

Tgt Ion:228 Resp: 126883

Ion	Ratio	Lower	Upper
228	100		
226	29.8	25.0	37.6
229	20.9	16.2	24.4

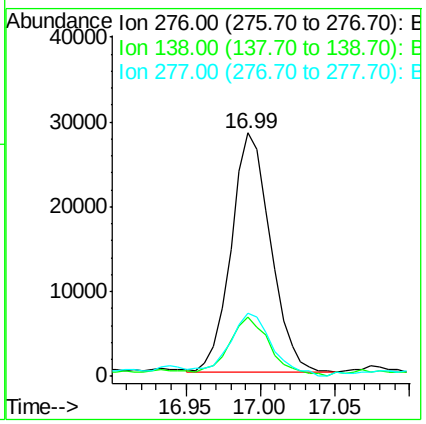




#85
Indeno(1,2,3-cd)pyrene
Concen: 4.844 ng
RT: 16.99 min Scan# 2534
Delta R.T. -0.01 min
Lab File: BF100638.D
Acq: 16 Nov 2017 18:41

Tgt Ion:276 Resp: 51564

Ion	Ratio	Lower	Upper
276	100		
138	26.5	25.0	37.6
277	27.9	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
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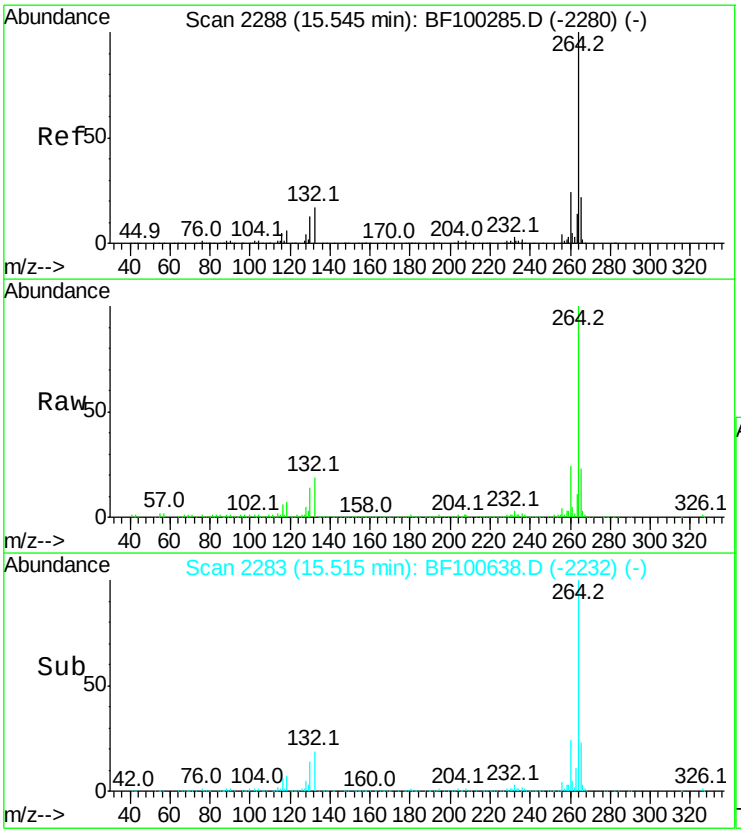
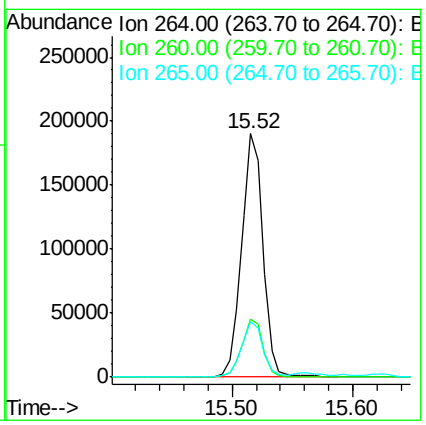
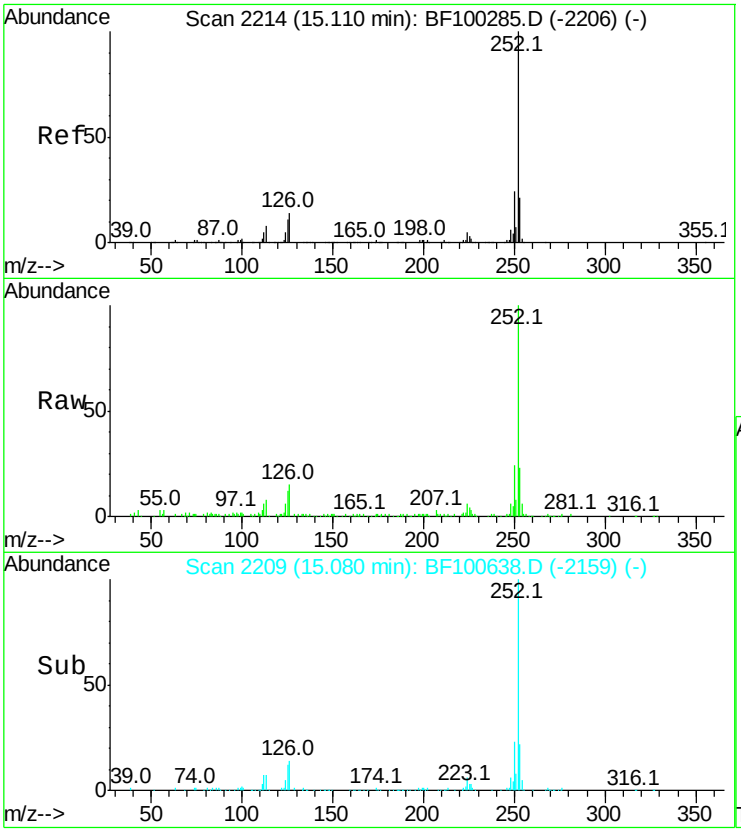


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.00 min
Lab File: BF100638.D
Acq: 16 Nov 2017 18:41

Tgt Ion:264 Resp: 236347

Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.2	28.8
265	22.8	17.5	26.3

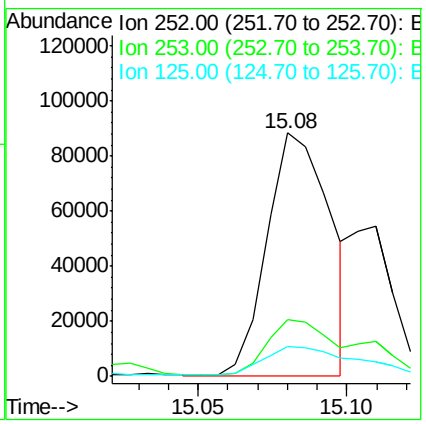




#87
Benzo(b)fluoranthene
Concen: 9.380 ng m
RT: 15.08 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF100638.D
Acq: 16 Nov 2017 18:41

Tgt Ion:252 Resp: 131338

Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.0	25.6
125	12.5	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
PL-01-111317-DDL

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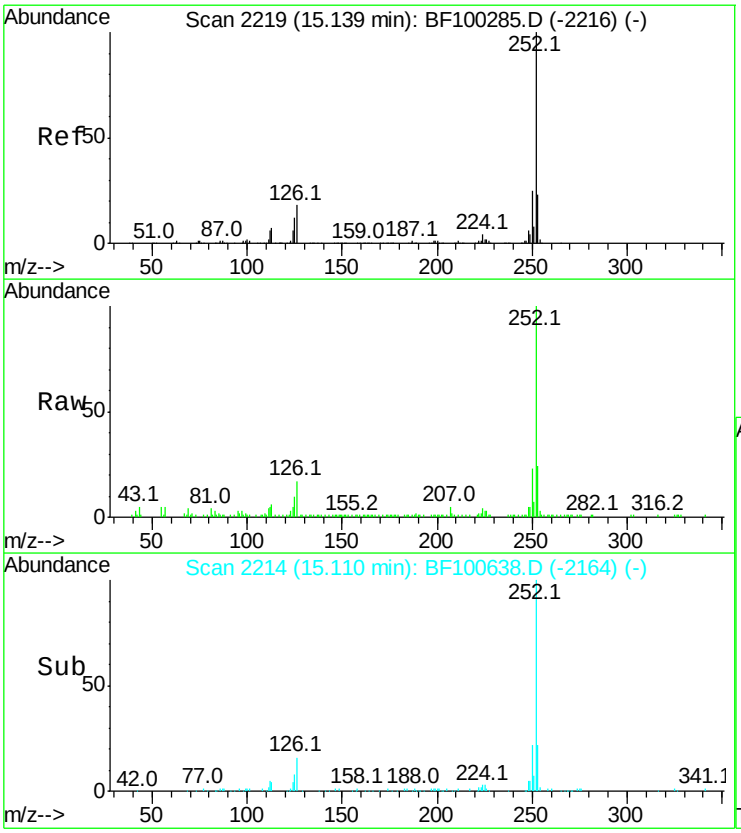
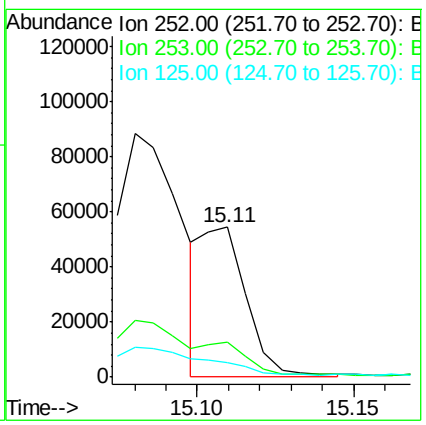
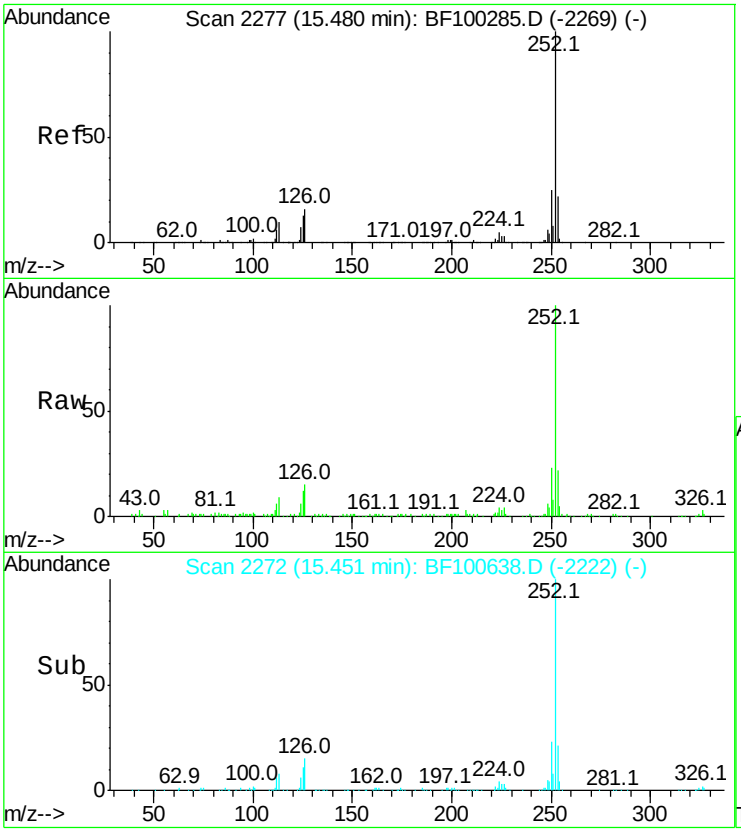


#88
Benzo(k)fluoranthene
Concen: 4.069 ng m
RT: 15.11 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF100638.D
Acq: 16 Nov 2017 18:41

Tgt Ion:252 Resp: 53828

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	9.9	10.2	15.2#

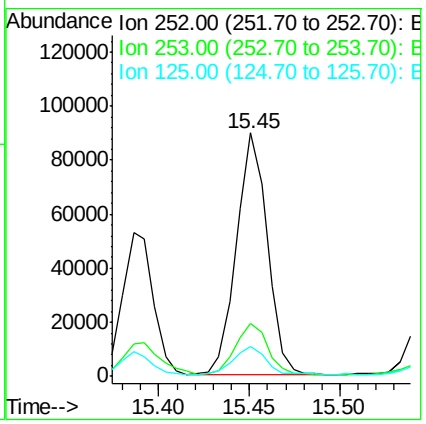




#89
Benzo(a)pyrene
Concen: 8.587 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.01 min
Lab File: BF100638.D
Acq: 16 Nov 2017 18:41

Tgt Ion:252 Resp: 106594

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.1	25.7
125	12.2	9.8	14.6



Instrument :
BNA_F
ClientSampleId :
PL-01-111317-DDL

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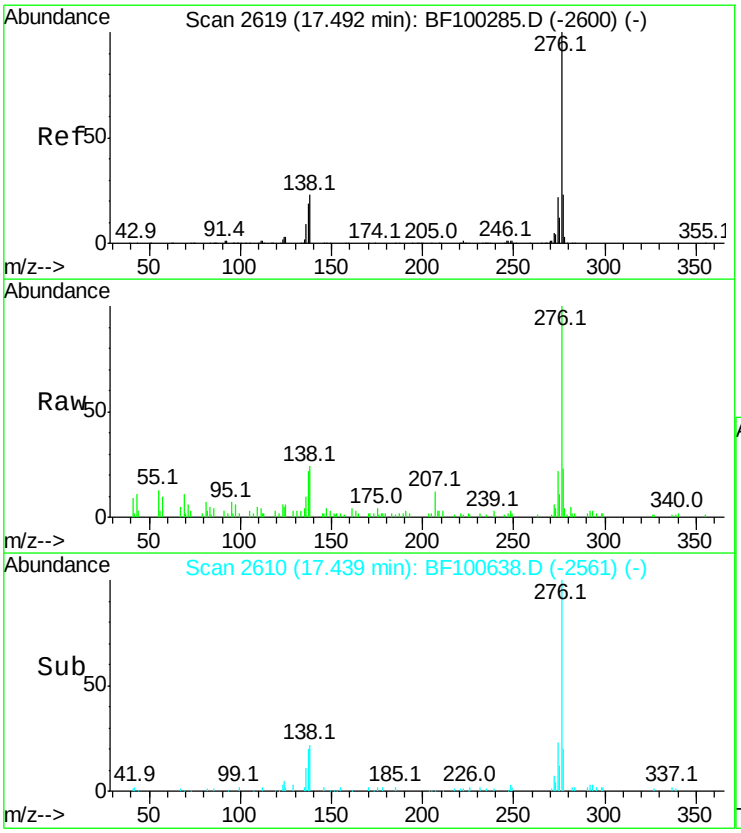

#91
Benzo(g,h,i)perylene
Concen: 4.661 ng
RT: 17.44 min Scan# 2610
Delta R.T. -0.01 min
Lab File: BF100638.D
Acq: 16 Nov 2017 18:41

Tgt Ion:276 Resp: 46323

Ion	Ratio	Lower	Upper
276	100		
277	22.7	17.9	26.9
138	23.9	21.8	32.8