Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040518\
Data File : BF104281.D
Acq On : 5 Apr 2018 20:34
Operator : JU/SJ
Sample : J2183-09
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ES-4-DWS-2-SW@5

Manual Integrations APPROVED
Sohil
4/6/2018 11:57:55 AM

Quant Time: Apr 06 01:42:24 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Apr 04 18:06:58 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.95	152	100871	20.00	ng	0.00
21) Naphthalene-d8	8.23	136	476714	20.00	ng	0.00
38) Acenaphthene-d10	9.98	164	224828	20.00	ng	-0.01
63) Phenanthrene-d10	11.48	188	420409	20.00	ng	0.00
75) Chrysene-d12	14.13	240	347463	20.00	ng	-0.01
86) Perylene-d12	15.67	264	269643	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	914432	144.57	ng	-0.01
7) Phenol-d6	6.59	99	1289688	165.73	ng	-0.02
23) Nitrobenzene-d5	7.51	82	768313	98.56	ng	-0.01
41) 2,4,6-Tribromophenol	10.78	330	354395	141.56	ng	-0.01
44) 2-Fluorobiphenyl	9.30	172	1361128	95.47	ng	0.00
78) Terphenyl-d14	13.06	244	1287127	85.53	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.69	163	169270	9.536	ng	99
70) Phenanthrene	11.50	178	189575	8.329	ng	99
71) Anthracene	11.56	178	85853m	3.611	ng	
74) Fluoranthene	12.70	202	176768	7.306	ng	98
77) Pyrene	12.93	202	148605	5.950	ng	96
80) Benzo(a)anthracene	14.12	228	70156	3.227	ng	95
82) Chrysene	14.16	228	63544	2.984	ng	98
87) Benzo(b)fluoranthene	15.22	252	37506m	2.286	ng	
89) Benzo(a)pyrene	15.60	252	33748	2.219	ng	94

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

Quantitation Report (QT/LSC Reviewed)

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Acq On : 5 Apr 2018 20:34
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Instrument :
BNA_F
ClientSampleId :
ES-4-DWS-2-SW@5

Manual Integrations APPROVED
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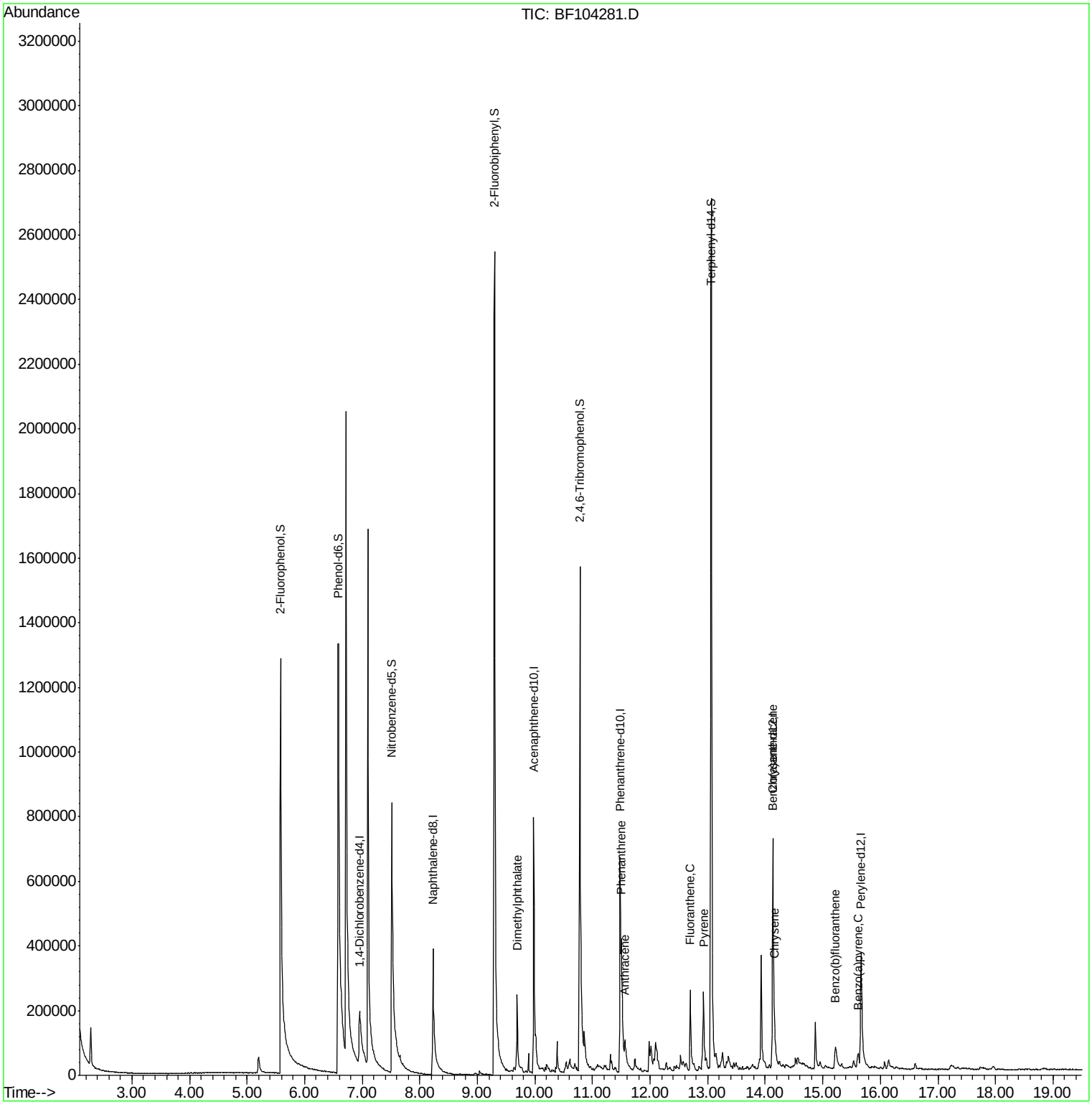
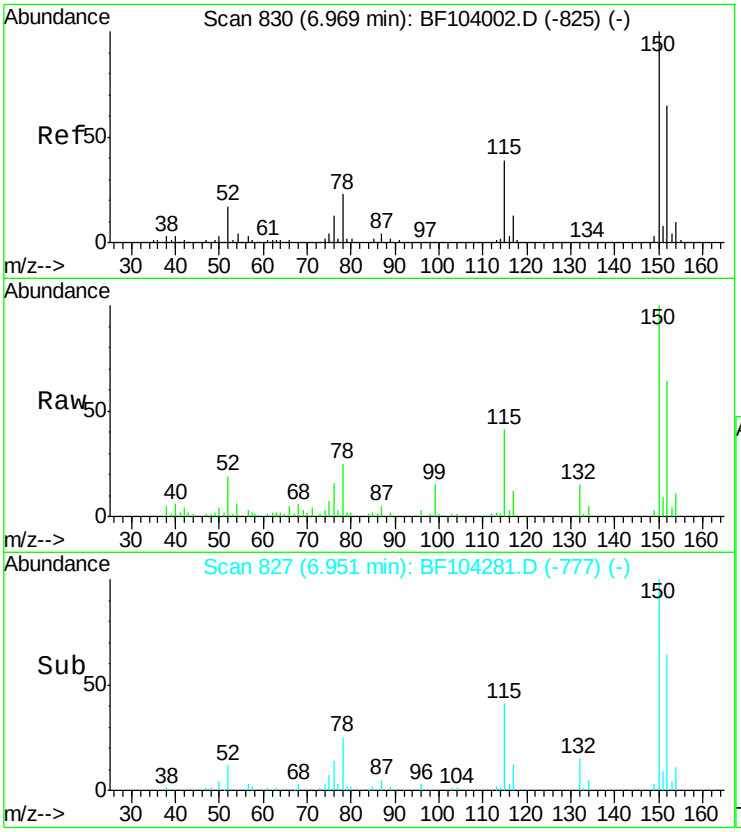
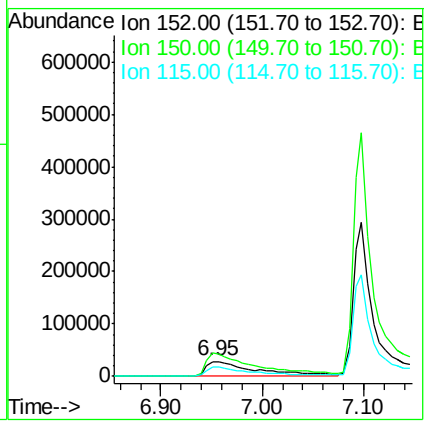




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.95 min Scan# 827
Delta R.T. -0.01 min
Lab File: BF104281.D
Acq: 5 Apr 2018 20:34

Tgt Ion:152 Resp: 100871

Ion	Ratio	Lower	Upper
152	100		
150	156.7	124.6	186.8
115	64.7	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
ES-4-DWS-2-SW@5

Manual Integrations APPROVED
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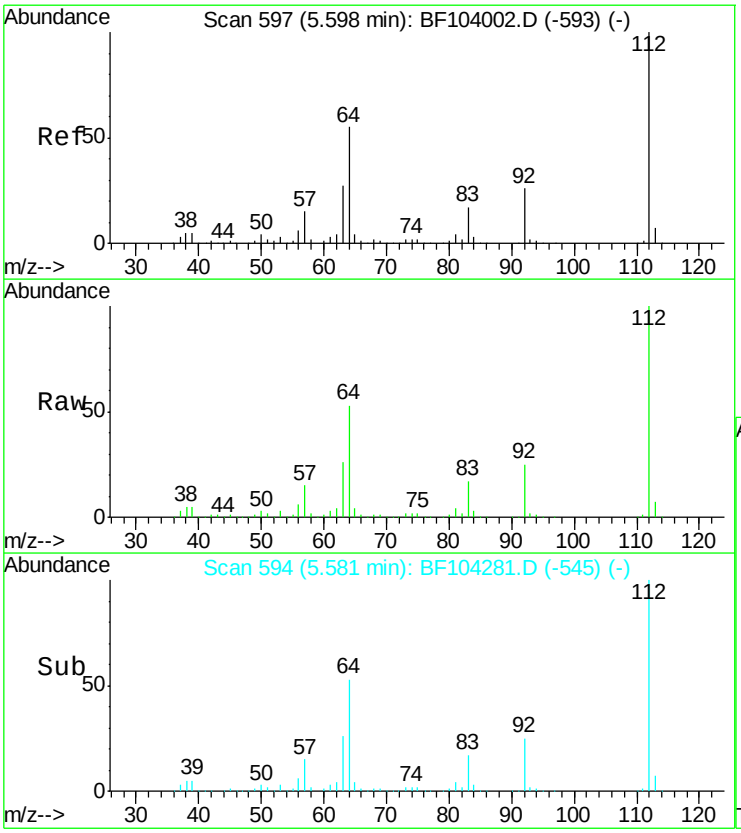
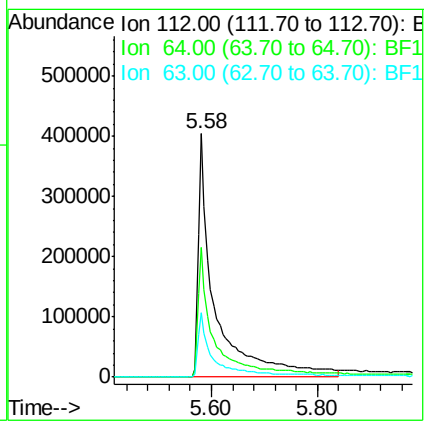
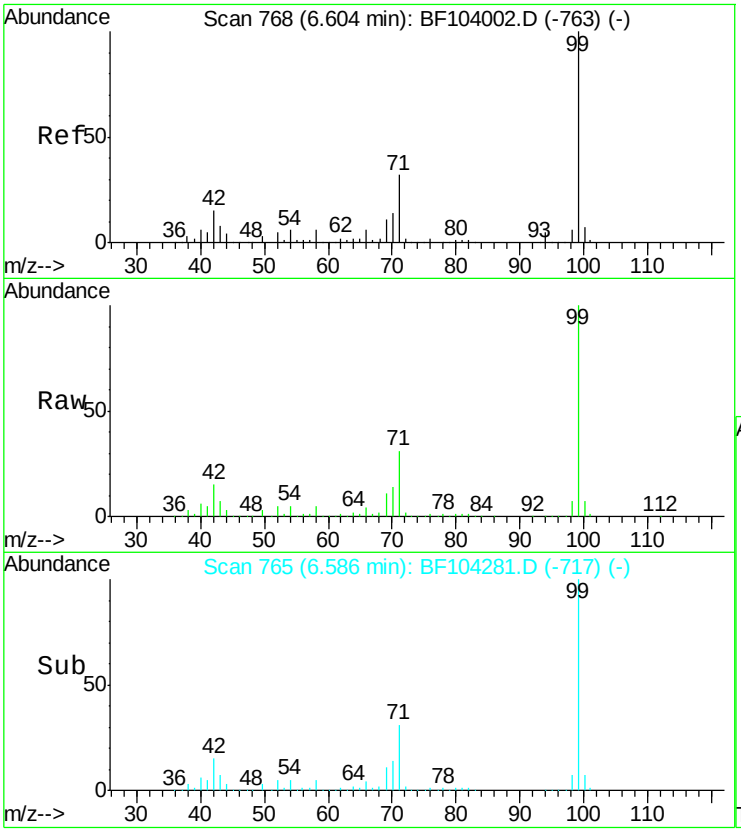


#5
2-Fluorophenol
Concen: 144.570 ng
RT: 5.58 min Scan# 594
Delta R.T. -0.01 min
Lab File: BF104281.D
Acq: 5 Apr 2018 20:34

Tgt Ion:112 Resp: 914432

Ion	Ratio	Lower	Upper
112	100		
64	53.2	47.9	71.9
63	26.4	23.7	35.5

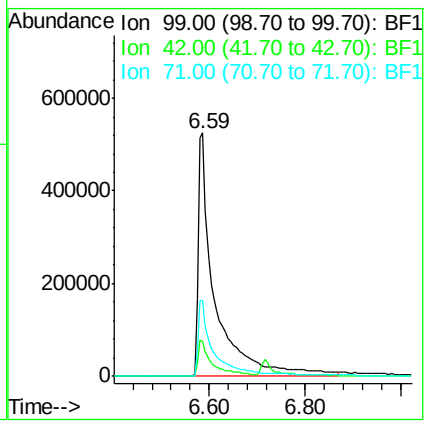




#7
Phenol-d6
Concen: 165.729 ng
RT: 6.59 min Scan# 765
Delta R.T. -0.02 min
Lab File: BF104281.D
Acq: 5 Apr 2018 20:34

Tgt Ion: 99 Resp: 1289688

Ion	Ratio	Lower	Upper
99	100		
42	14.6	14.5	21.7
71	31.1	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
ES-4-DWS-2-SW@5

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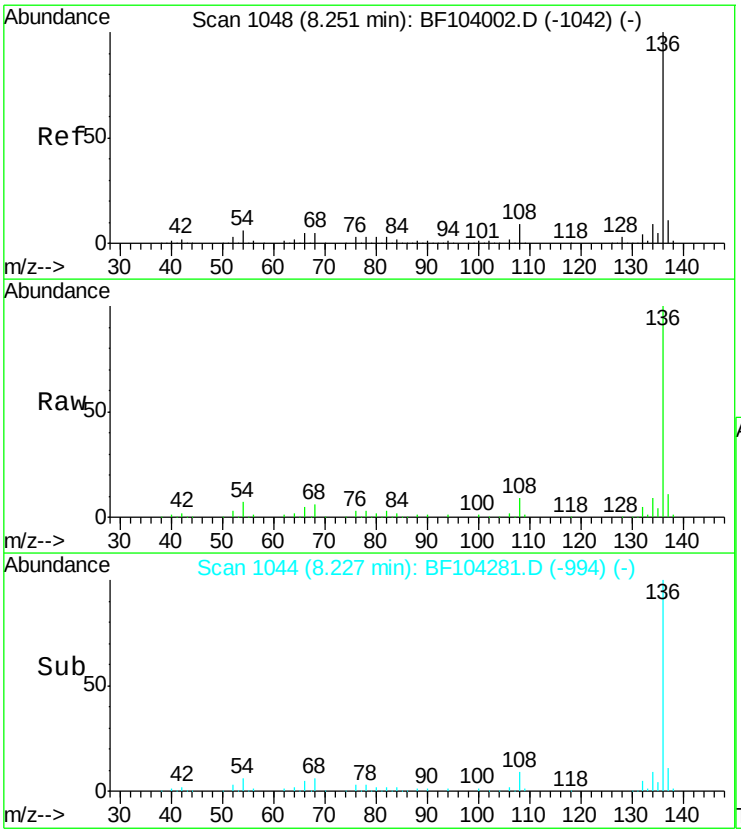
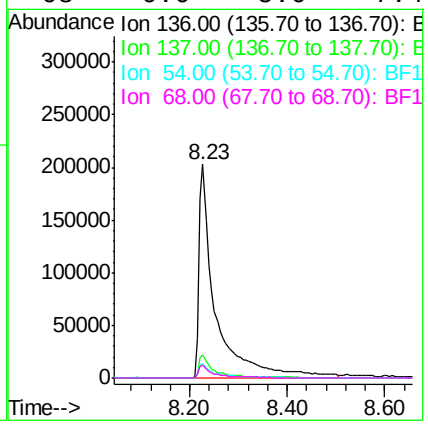
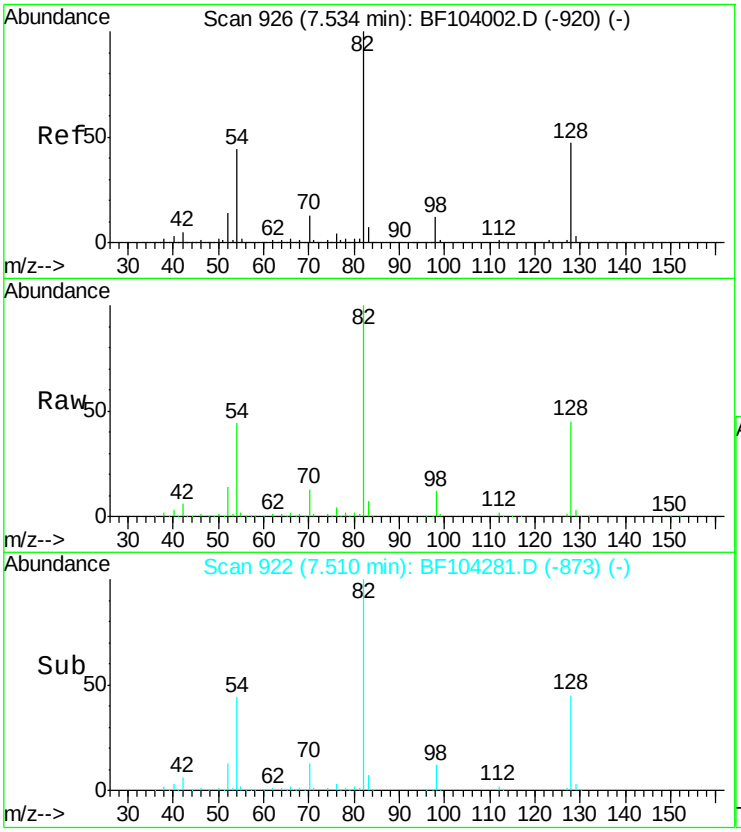


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.23 min Scan# 1044
Delta R.T. -0.01 min
Lab File: BF104281.D
Acq: 5 Apr 2018 20:34

Tgt Ion:136 Resp: 476714

Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	6.9	6.6	9.8
68	6.0	5.0	7.4

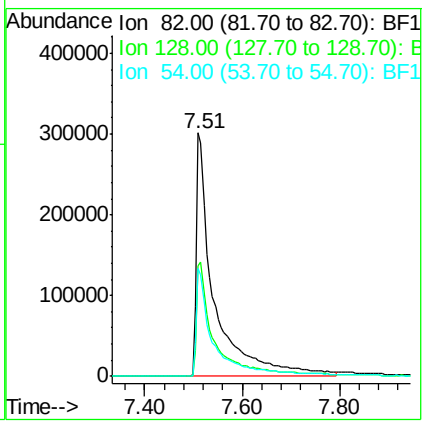




#23
Nitrobenzene-d5
Concen: 98.563 ng
RT: 7.51 min Scan# 922
Delta R.T. -0.01 min
Lab File: BF104281.D
Acq: 5 Apr 2018 20:34

Tgt Ion: 82 Resp: 768313

Ion	Ratio	Lower	Upper
82	100		
128	45.3	36.1	54.1
54	44.4	41.4	62.2



Instrument :
BNA_F
ClientSampleId :
ES-4-DWS-2-SW@5

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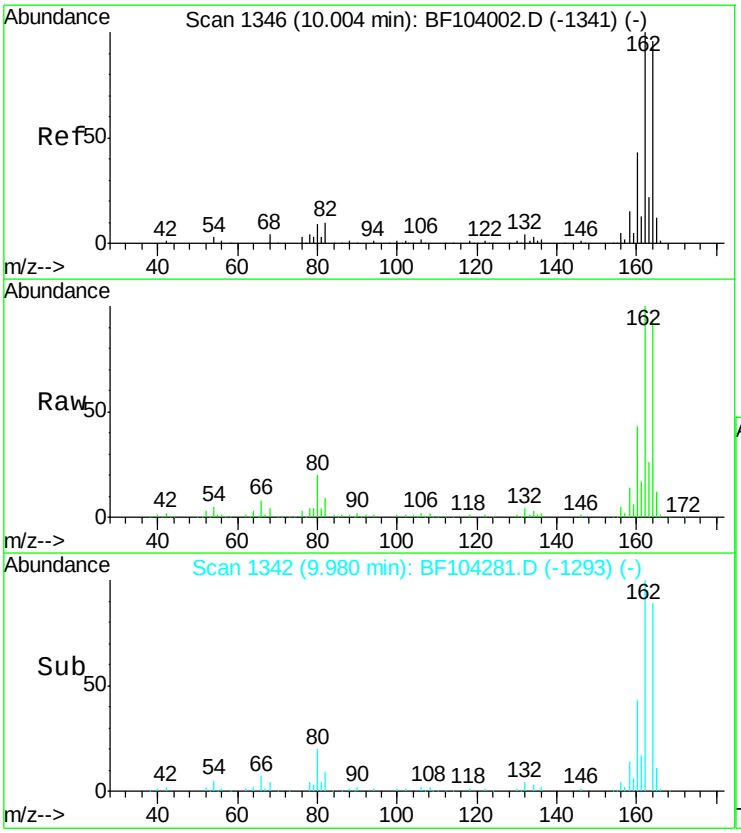
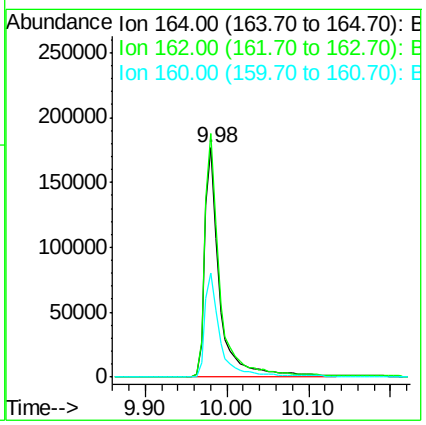
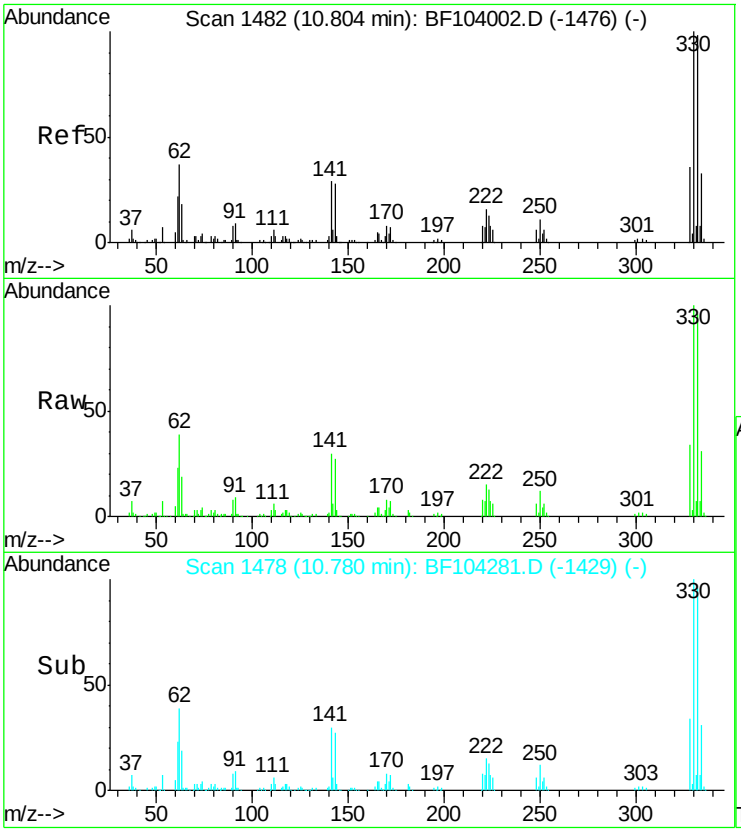


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.98 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BF104281.D
Acq: 5 Apr 2018 20:34

Tgt Ion:164 Resp: 224828

Ion	Ratio	Lower	Upper
164	100		
162	106.3	86.1	129.1
160	45.5	38.3	57.5





#41
2,4,6-Tribromophenol
Concen: 141.562 ng
RT: 10.78 min Scan# 1478
Delta R.T. -0.01 min
Lab File: BF104281.D
Acq: 5 Apr 2018 20:34

Tgt Ion:330 Resp: 354395

Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	31.0	29.9	44.9

Instrument :
BNA_F
ClientSampleId :
ES-4-DWS-2-SW@5

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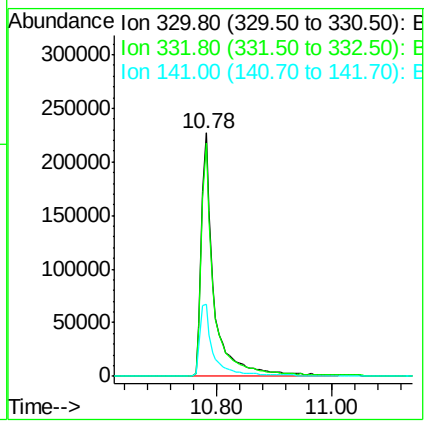
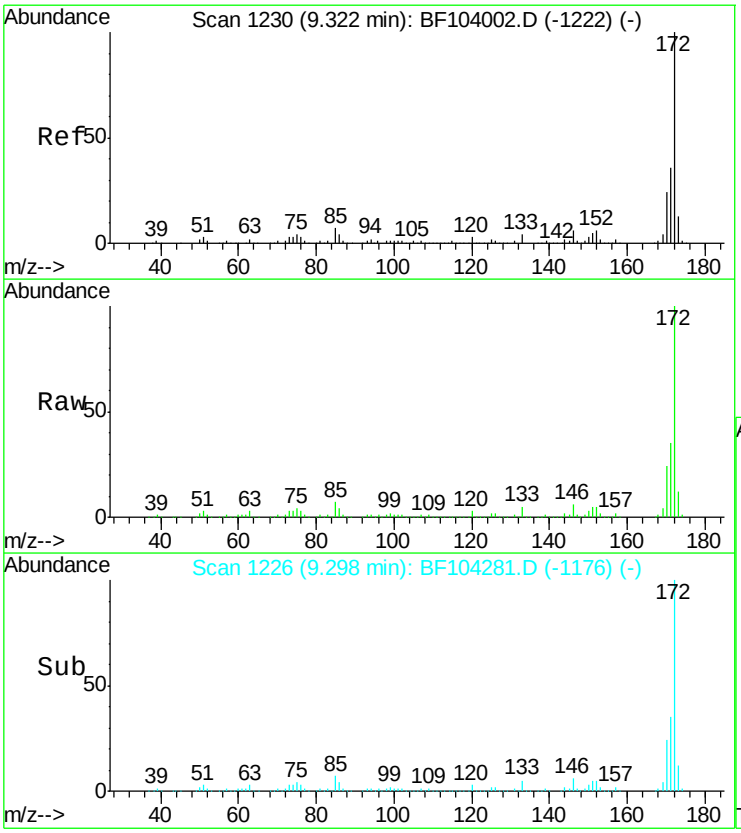
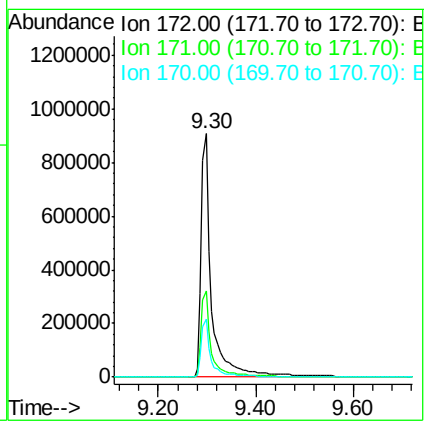


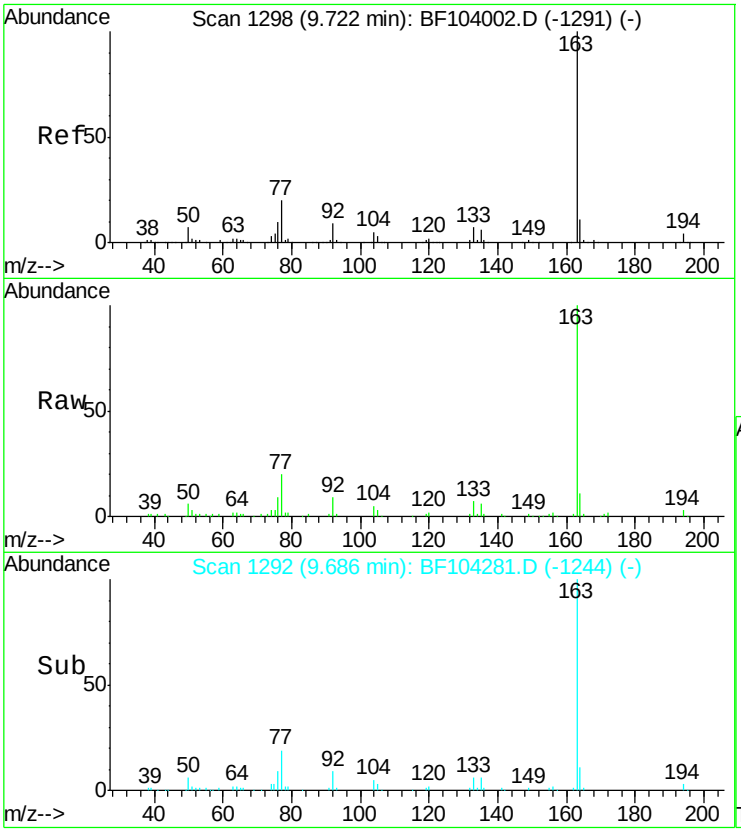


#44
2-Fluorobiphenyl
Concen: 95.468 ng
RT: 9.30 min Scan# 1226
Delta R.T. -0.01 min
Lab File: BF104281.D
Acq: 5 Apr 2018 20:34

Tgt Ion:172 Resp: 1361128

Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.7	44.5
170	23.6	19.6	29.4

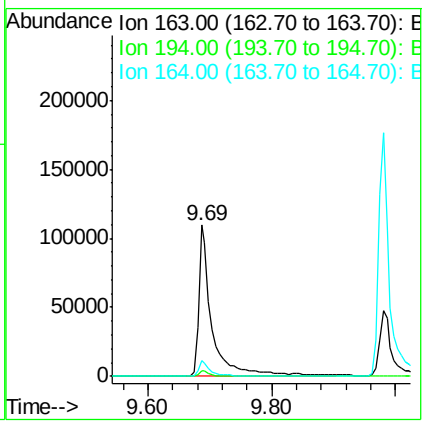




#49
Dimethylphthalate
Concen: 9.536 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.02 min
Lab File: BF104281.D
Acq: 5 Apr 2018 20:34

Tgt Ion:163 Resp: 169270

Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.7	4.1
164	10.7	8.2	12.2



Instrument :
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ClientSampleId :
ES-4-DWS-2-SW@5

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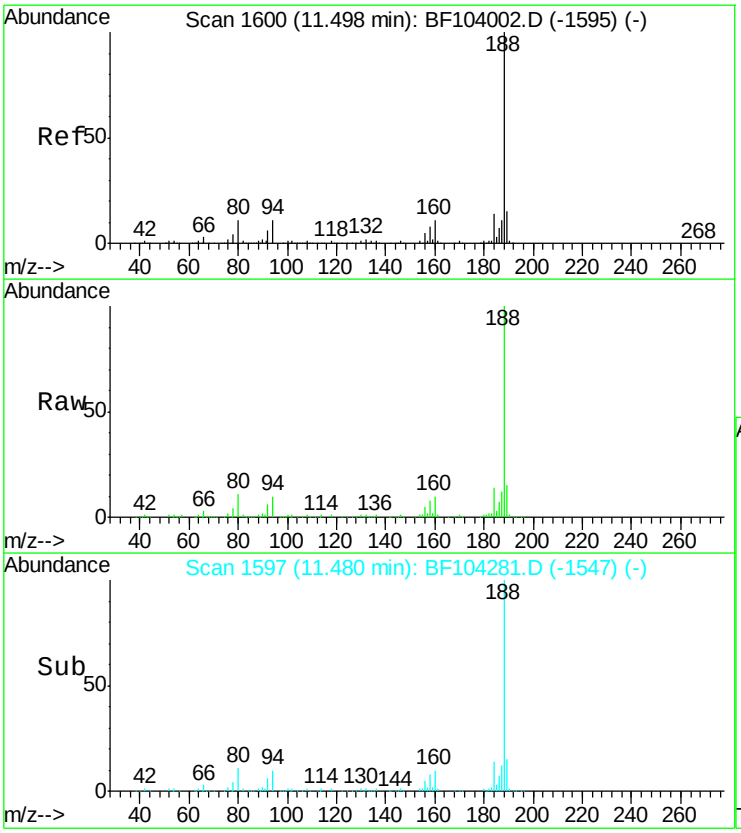
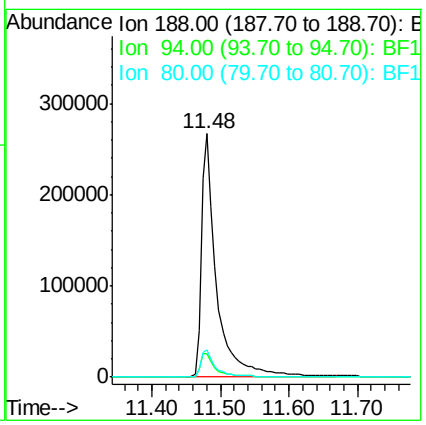
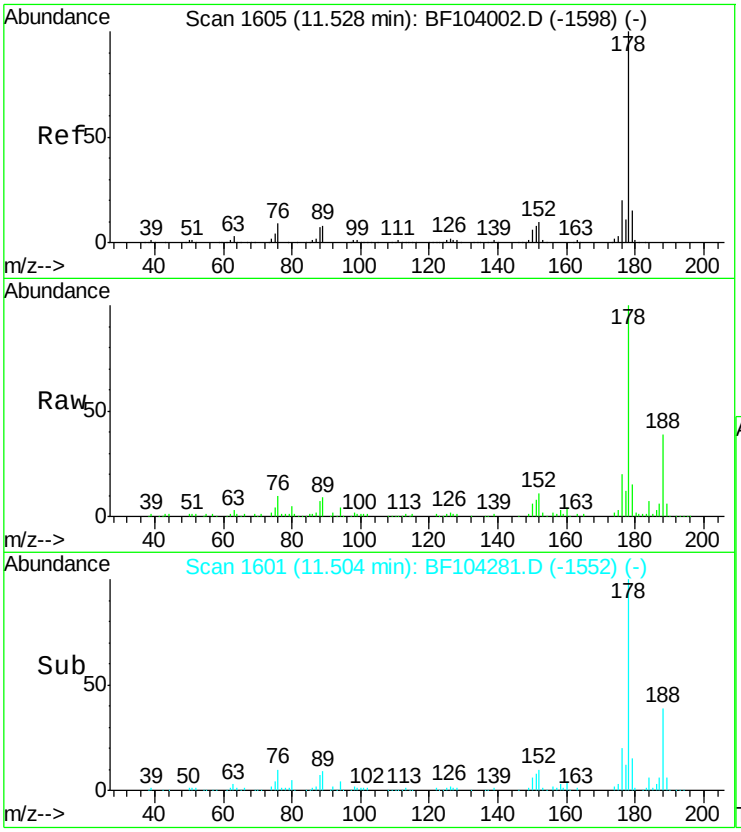


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF104281.D
Acq: 5 Apr 2018 20:34

Tgt Ion:188 Resp: 420409

Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.5	12.7
80	11.3	9.2	13.8

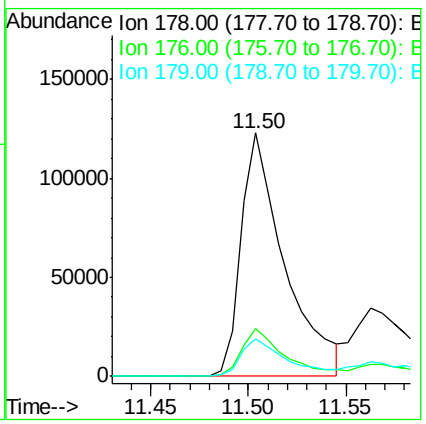




#70
Phenanthrene
Concen: 8.329 ng
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: BF104281.D
Acq: 5 Apr 2018 20:34

Tgt Ion:178 Resp: 189575

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.2	13.0	19.6



Instrument :
BNA_F
ClientSampleId :
ES-4-DWS-2-SW@5

Manual Integrations APPROVED
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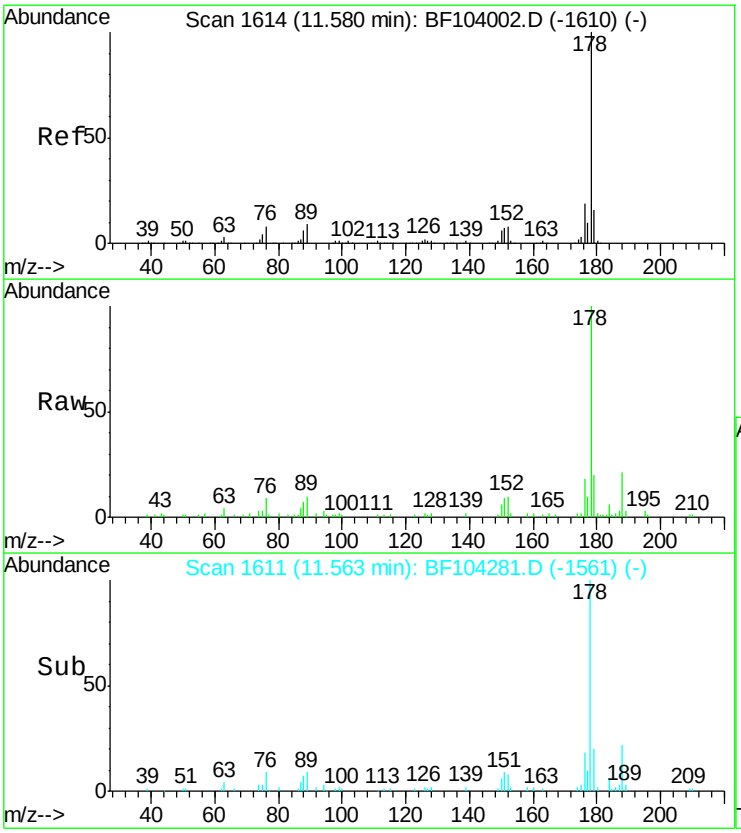
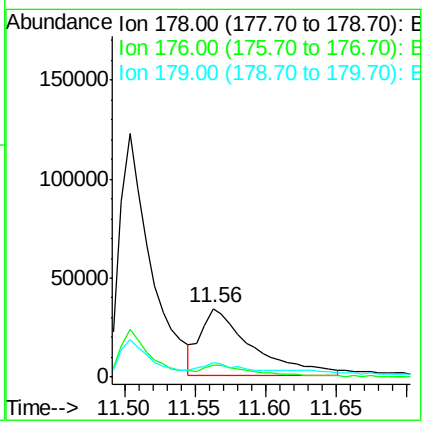
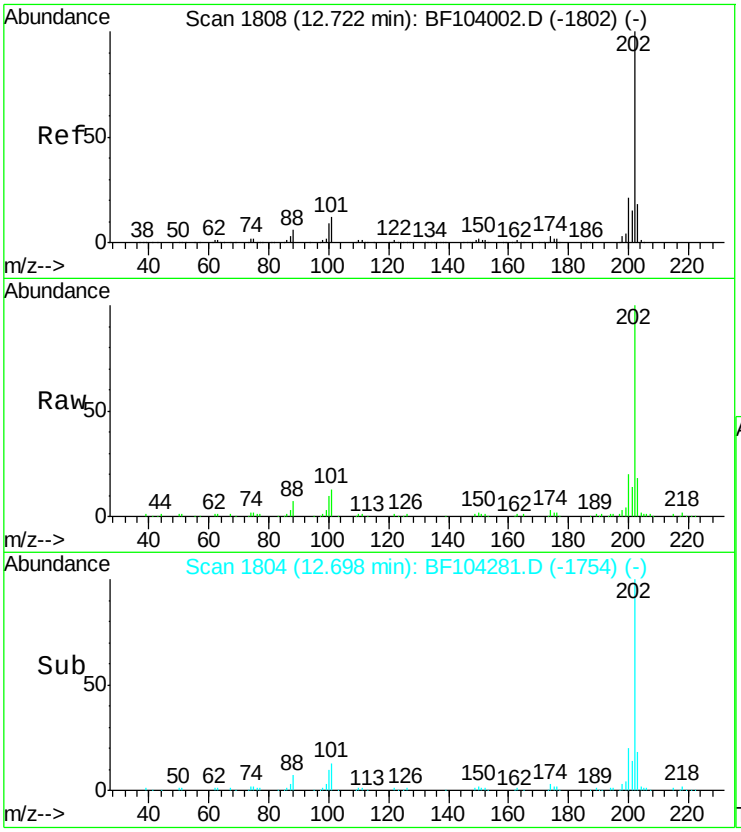


#71
Anthracene
Concen: 3.611 ng m
RT: 11.56 min Scan# 1611
Delta R.T. -0.01 min
Lab File: BF104281.D
Acq: 5 Apr 2018 20:34

Tgt Ion:178 Resp: 85853

Ion	Ratio	Lower	Upper
178	100		
176	17.8	15.4	23.2
179	20.3	12.6	19.0#

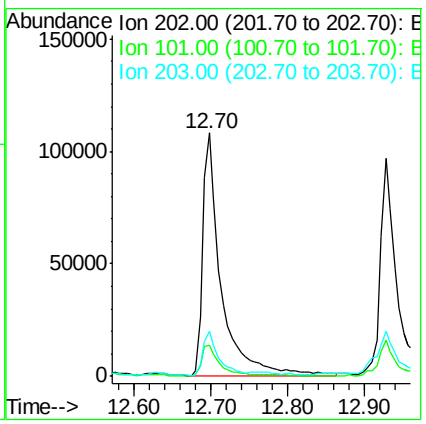




#74
Fluoranthene
Concen: 7.306 ng
RT: 12.70 min Scan# 1804
Delta R.T. -0.01 min
Lab File: BF104281.D
Acq: 5 Apr 2018 20:34

Tgt Ion:202 Resp: 176768

Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	34.1
203	18.5	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
ES-4-DWS-2-SW@5

Manual Integrations APPROVED
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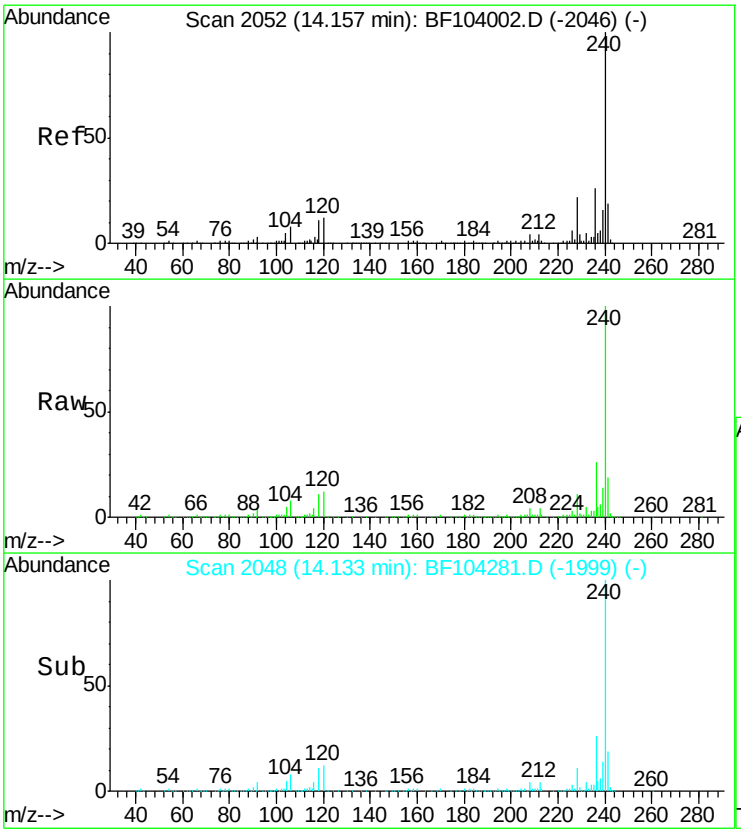
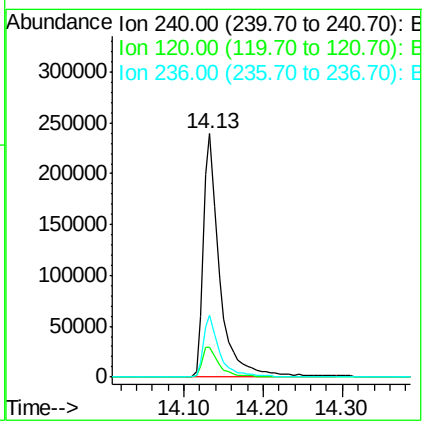
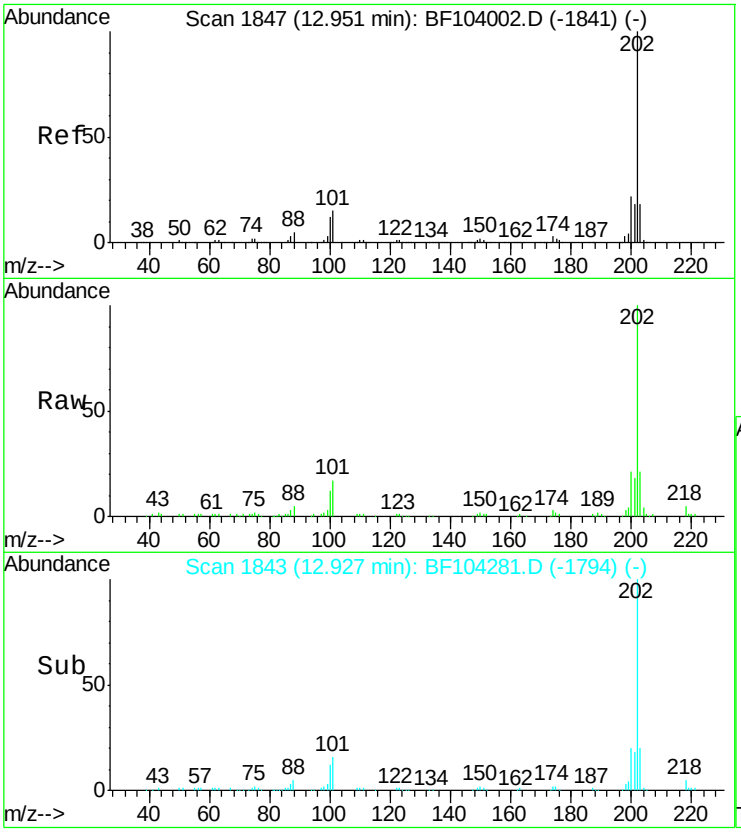


#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.01 min
Lab File: BF104281.D
Acq: 5 Apr 2018 20:34

Tgt Ion:240 Resp: 347463

Ion	Ratio	Lower	Upper
240	100		
120	12.5	9.5	14.3
236	25.6	20.7	31.1

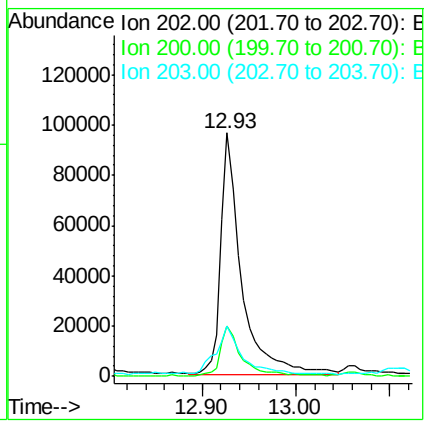




#77
Pyrene
Concen: 5.950 ng
RT: 12.93 min Scan# 1843
Delta R.T. -0.01 min
Lab File: BF104281.D
Acq: 5 Apr 2018 20:34

Tgt Ion:202 Resp: 148605

Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.4	26.2
203	20.6	14.3	21.5



Instrument :
BNA_F
ClientSampleId :
ES-4-DWS-2-SW@5

Manual Integrations APPROVED
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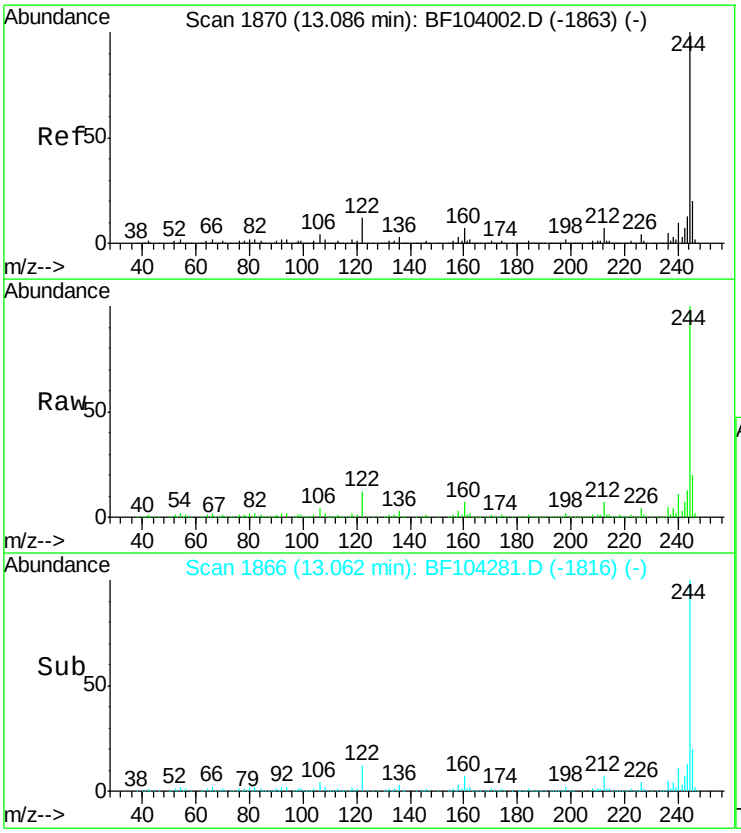
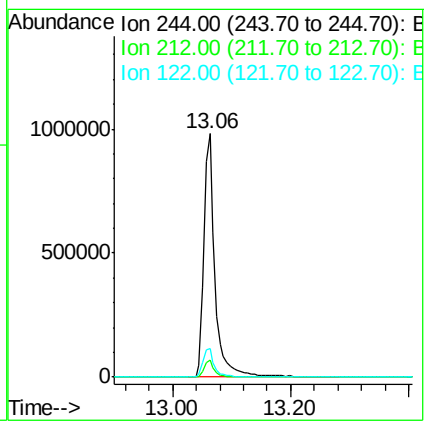
4/6/2018 11:57:55 AM

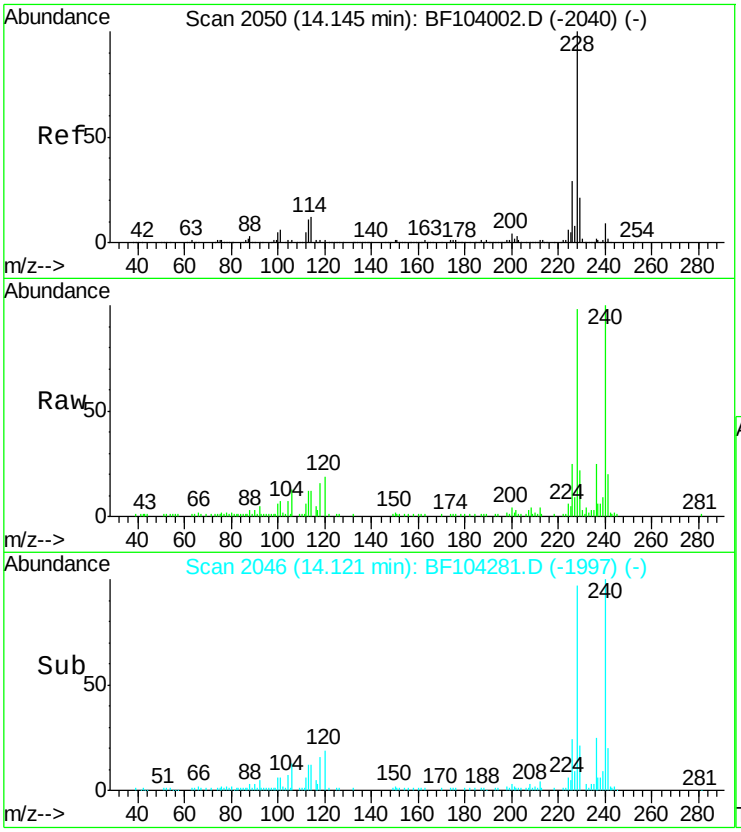


#78
Terphenyl-d14
Concen: 85.532 ng
RT: 13.06 min Scan# 1866
Delta R.T. -0.01 min
Lab File: BF104281.D
Acq: 5 Apr 2018 20:34

Tgt Ion:244 Resp: 1287127

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	11.7	11.0	16.4

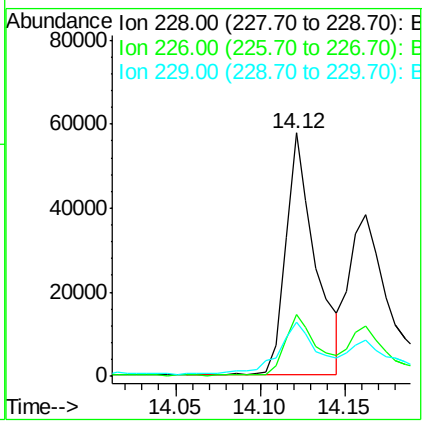




#80
Benzo(a)anthracene
Concen: 3.227 ng
RT: 14.12 min Scan# 2046
Delta R.T. -0.01 min
Lab File: BF104281.D
Acq: 5 Apr 2018 20:34

Tgt Ion:228 Resp: 70156

Ion	Ratio	Lower	Upper
228	100		
226	25.5	22.6	33.8
229	22.1	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
ES-4-DWS-2-SW@5

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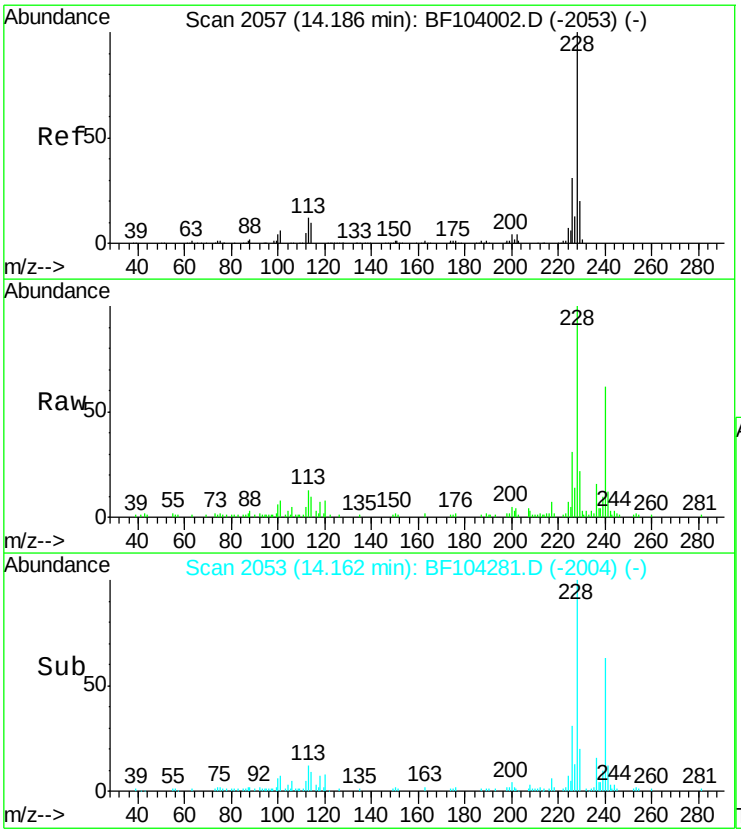
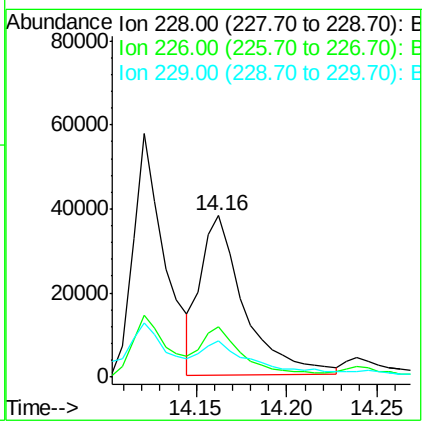
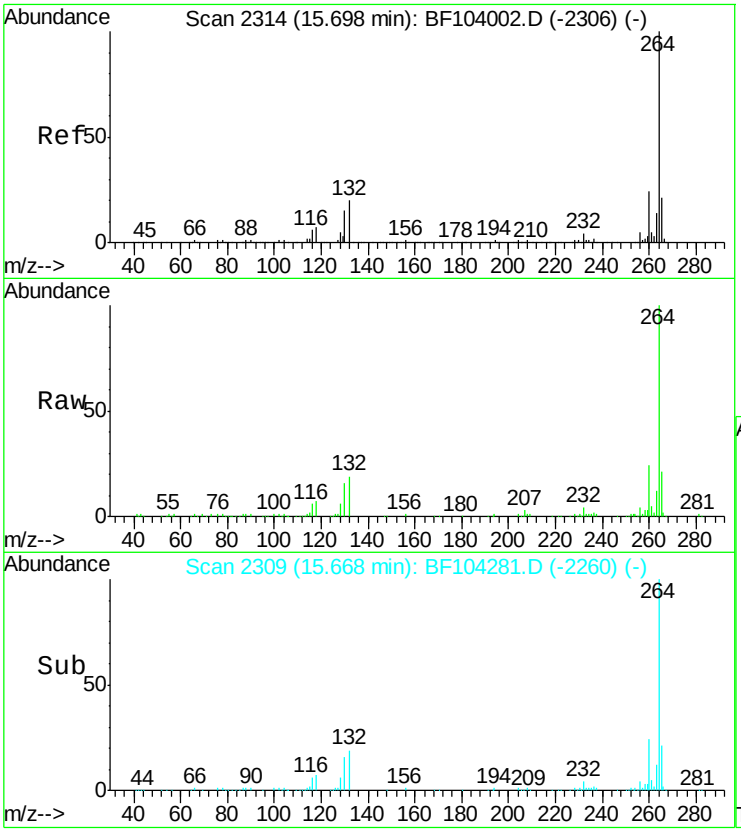


#82
Chrysene
Concen: 2.984 ng
RT: 14.16 min Scan# 2053
Delta R.T. -0.01 min
Lab File: BF104281.D
Acq: 5 Apr 2018 20:34

Tgt Ion:228 Resp: 63544

Ion	Ratio	Lower	Upper
228	100		
226	31.4	25.0	37.6
229	22.5	16.2	24.4

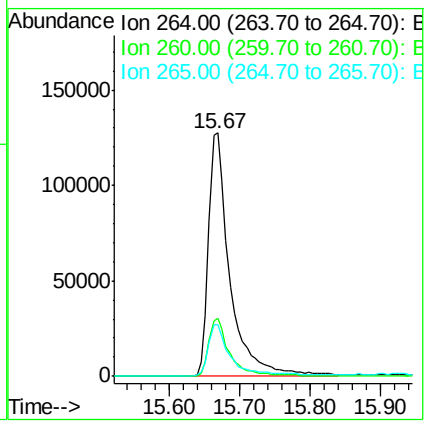




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2309
Delta R.T. -0.01 min
Lab File: BF104281.D
Acq: 5 Apr 2018 20:34

Tgt Ion:264 Resp: 269643

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	21.0	17.5	26.3



Instrument :
BNA_F
ClientSampleId :
ES-4-DWS-2-SW@5

Manual Integrations APPROVED
Sohil
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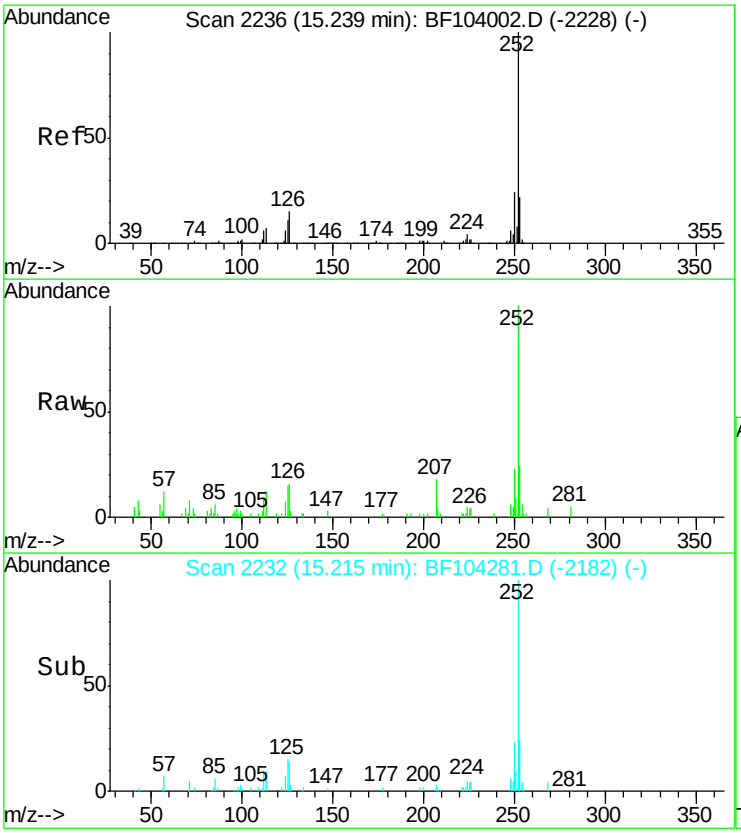
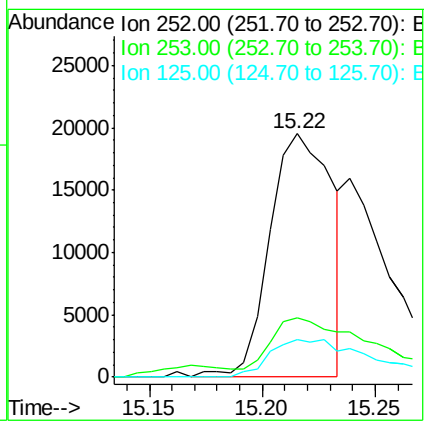
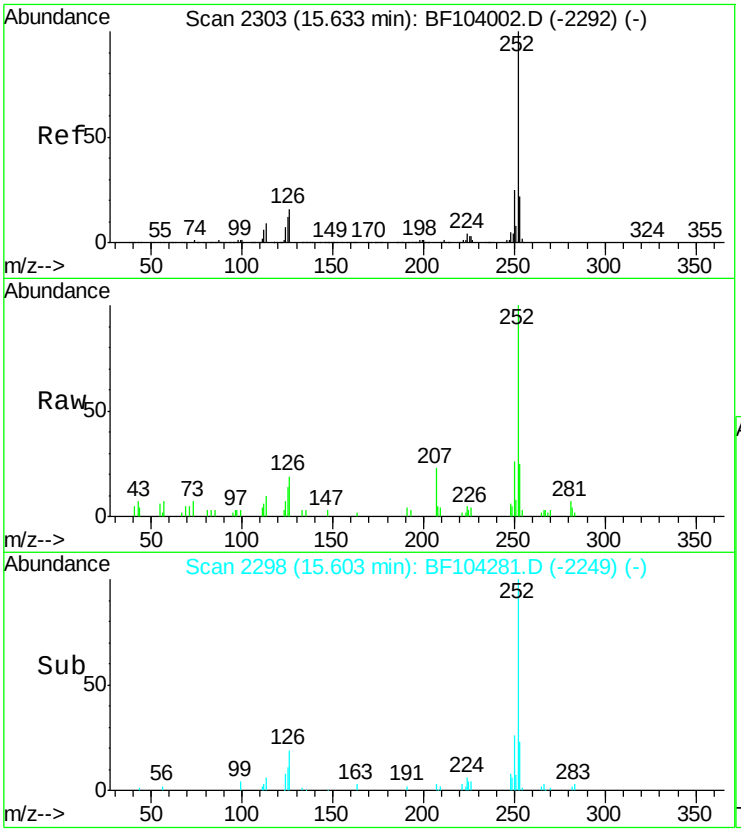


#87
Benzo(b)fluoranthene
Concen: 2.286 ng m
RT: 15.22 min Scan# 2232
Delta R.T. -0.01 min
Lab File: BF104281.D
Acq: 5 Apr 2018 20:34

Tgt Ion:252 Resp: 37506

Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.0	25.6
125	15.5	9.0	13.6#

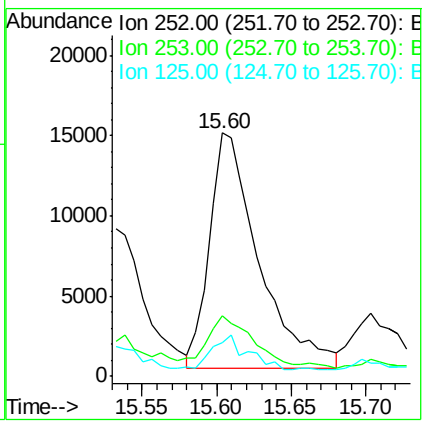




#89
Benzo(a)pyrene
Concen: 2.219 ng
RT: 15.60 min Scan# 2298
Delta R.T. -0.01 min
Lab File: BF104281.D
Acq: 5 Apr 2018 20:34

Tgt Ion:252 Resp: 33748

Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.1	25.7
125	13.7	9.8	14.6



Instrument :
BNA_F
ClientSampleId :
ES-4-DWS-2-SW@5

Manual Integrations APPROVED
Sohil
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