Quantitation Report (LSC Reviewed)

Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
Data File : BF102729.D
Acq On : 5 Feb 2018 11:04
Operator : SJ/JU
Sample : J1395-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NB-08-020118

Manual Integrations APPROVED
Sohil
2/6/2018 2:25:20 PM

Quant Time: Feb 05 13:07:44 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 05 12:44:16 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	222316	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	904600	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	395059	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	633633	20.00	ng	0.00
75) Chrysene-d12	14.04	240	393954	20.00	ng	0.00
86) Perylene-d12	15.52	264	382229	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.48	112	341082	23.30	ng	-0.01
7) Phenol-d6	6.49	99	405803	23.02	ng	-0.01
23) Nitrobenzene-d5	7.43	82	238730	18.31	ng	-0.02
41) 2,4,6-Tribromophenol	10.70	330	79366	24.96	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	439293	18.45	ng	-0.01
78) Terphenyl-d14	12.99	244	316702	19.03	ng	-0.01
Target Compounds						Qvalue
70) Phenanthrene	11.43	178	323857	9.177	ng	98
71) Anthracene	11.48	178	89870	2.504	ng	99
74) Fluoranthene	12.62	202	461980	13.012	ng	98
77) Pyrene	12.85	202	433076	14.019	ng	99
80) Benzo(a)anthracene	14.03	228	180843	7.299	ng	94
82) Chrysene	14.07	228	178869	7.162	ng	98
85) Indeno(1,2,3-cd)pyrene	17.00	276	92223	4.452	ng	97
87) Benzo(b)fluoranthene	15.09	252	231980m	9.361	ng	
88) Benzo(k)fluoranthene	15.11	252	72093m	3.045	ng	
89) Benzo(a)pyrene	15.46	252	164926	7.394	ng	95
91) Benzo(g,h,i)perylene	17.46	276	91159	5.144	ng	99

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

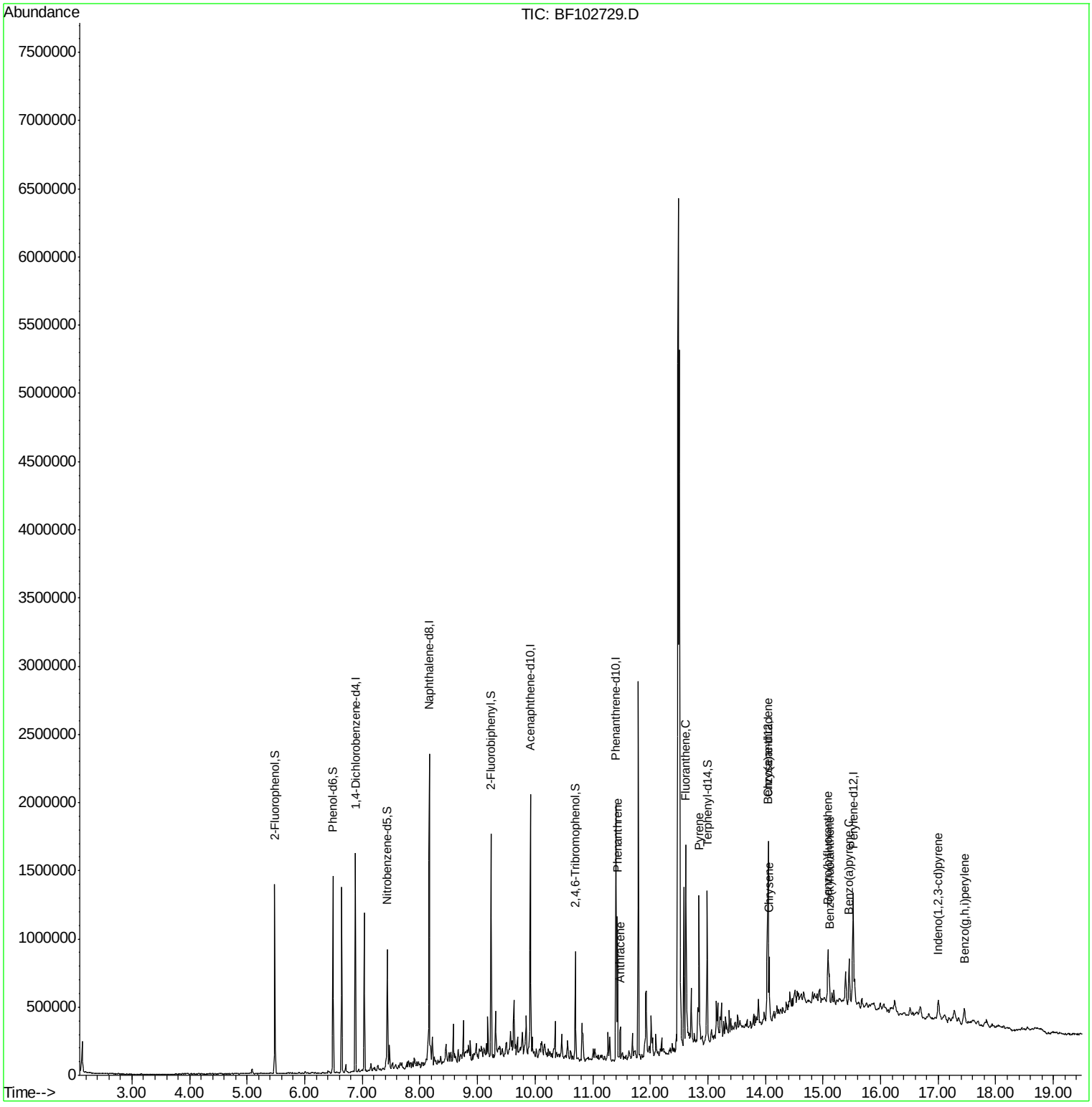
Quantitation Report (LSC Reviewed)

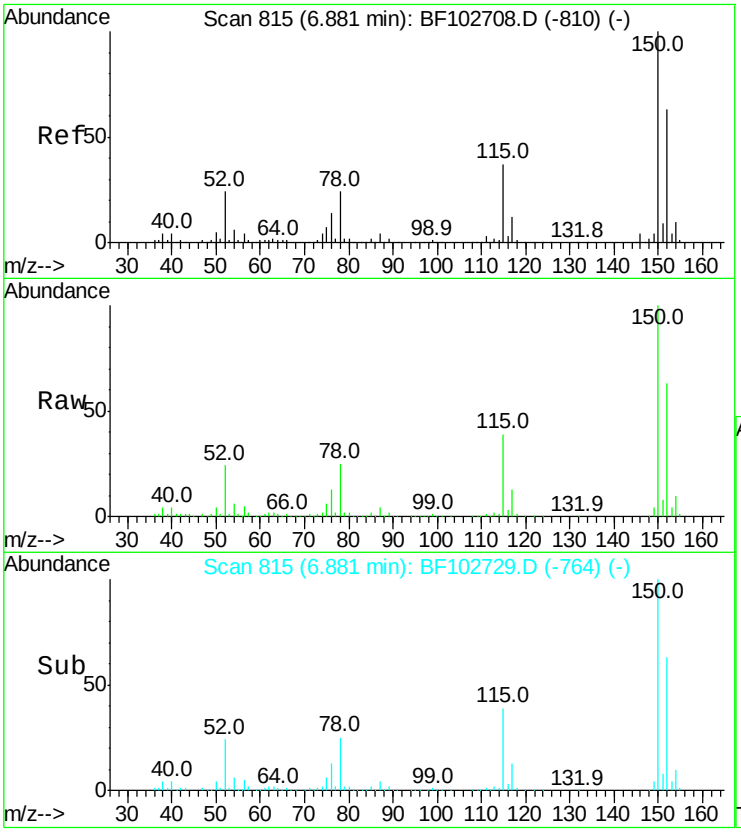
Data Path : U:\HPCHEM1\BNA F\DATA\BF020518\
Data File : BF102729.D
Acq On : 5 Feb 2018 11:04
Operator : SJ/JU
Sample : J1395-01 5X
Misc :
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 05 13:07:44 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF020318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Feb 05 12:44:16 2018
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
NB-08-020118

Manual Integrations APPROVED
Sohil
2/6/2018 2:25:20 PM

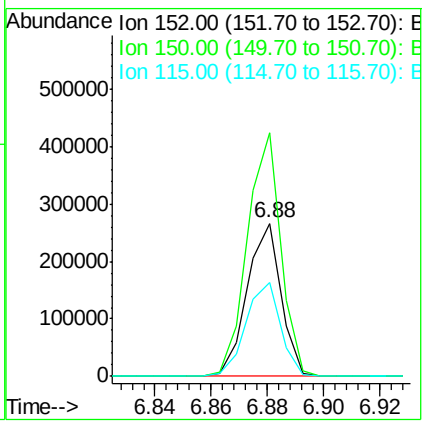




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. 0.00 min
Lab File: BF102729.D
Acq: 5 Feb 2018 11:04

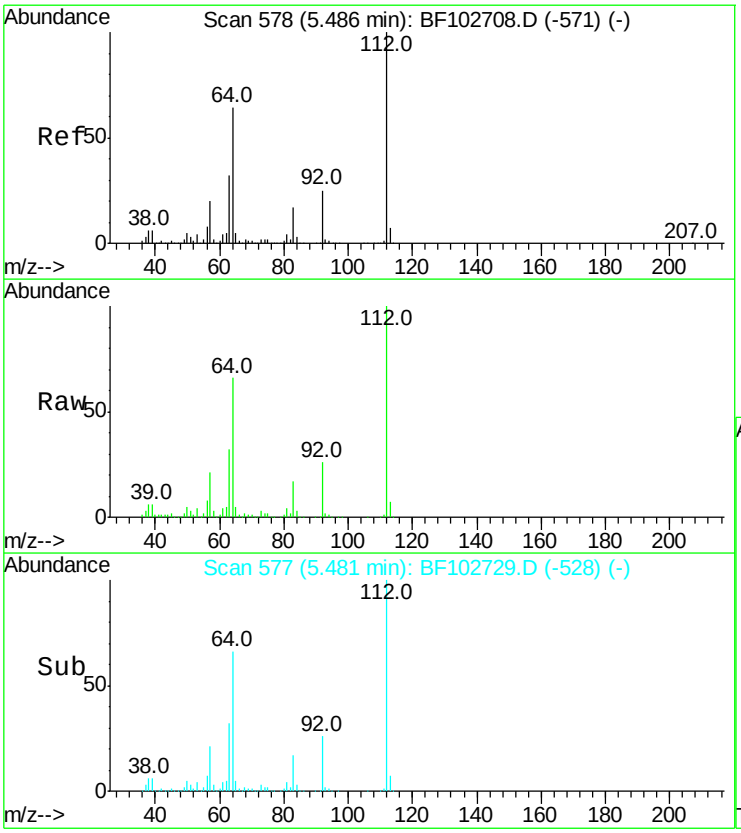
Tgt Ion:152 Resp: 222316

Ion	Ratio	Lower	Upper
152	100		
150	158.8	124.6	186.8
115	61.3	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
NB-08-020118

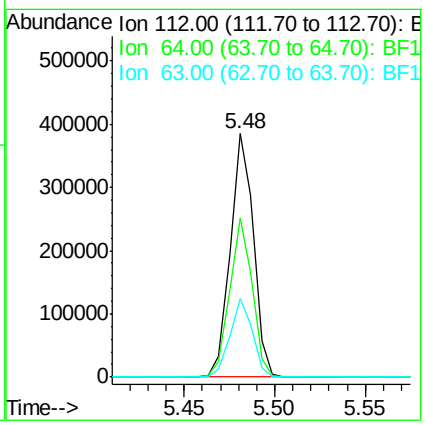
Manual Integrations APPROVED
Sohil
2/6/2018 2:25:20 PM

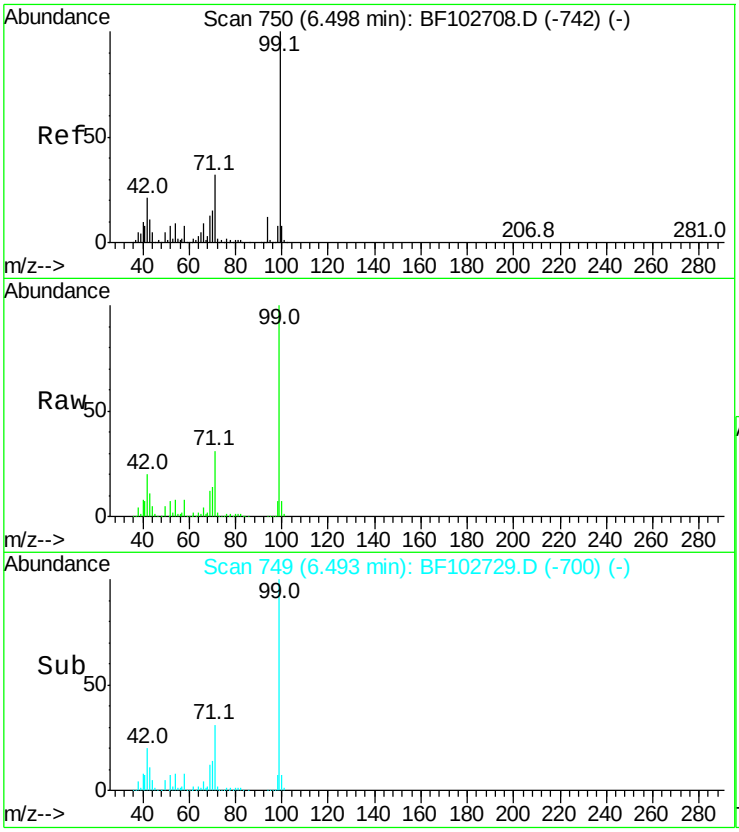


#5
2-Fluorophenol
Concen: 23.300 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.01 min
Lab File: BF102729.D
Acq: 5 Feb 2018 11:04

Tgt Ion:112 Resp: 341082

Ion	Ratio	Lower	Upper
112	100		
64	65.5	47.9	71.9
63	32.4	23.7	35.5

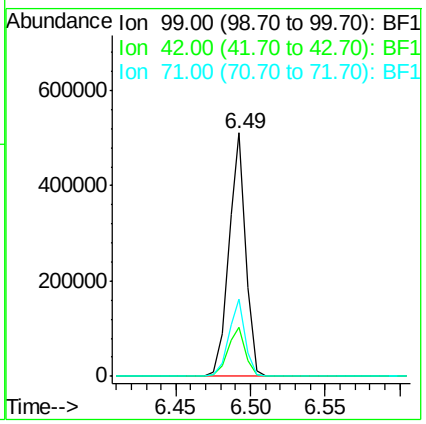




#7
Phenol-d6
Concen: 23.023 ng
RT: 6.49 min Scan# 749
Delta R.T. -0.01 min
Lab File: BF102729.D
Acq: 5 Feb 2018 11:04

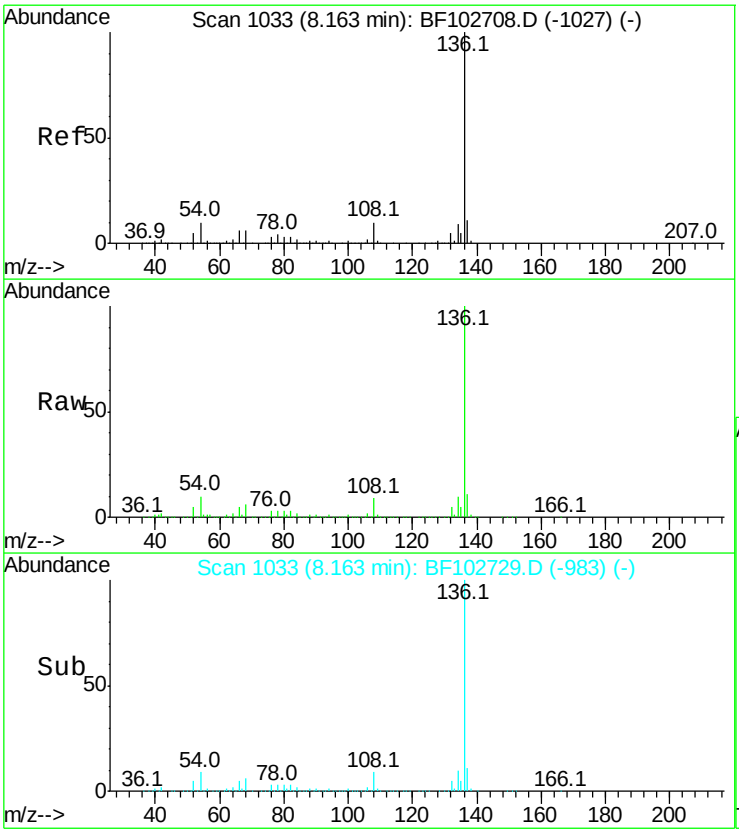
Tgt Ion: 99 Resp: 405803

Ion	Ratio	Lower	Upper
99	100		
42	20.1	14.5	21.7
71	31.5	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
NB-08-020118

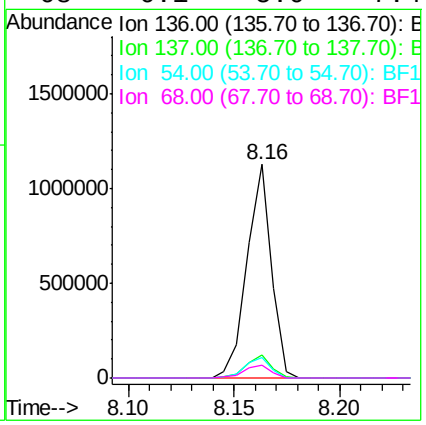
Manual Integrations APPROVED
Sohil
2/6/2018 2:25:20 PM

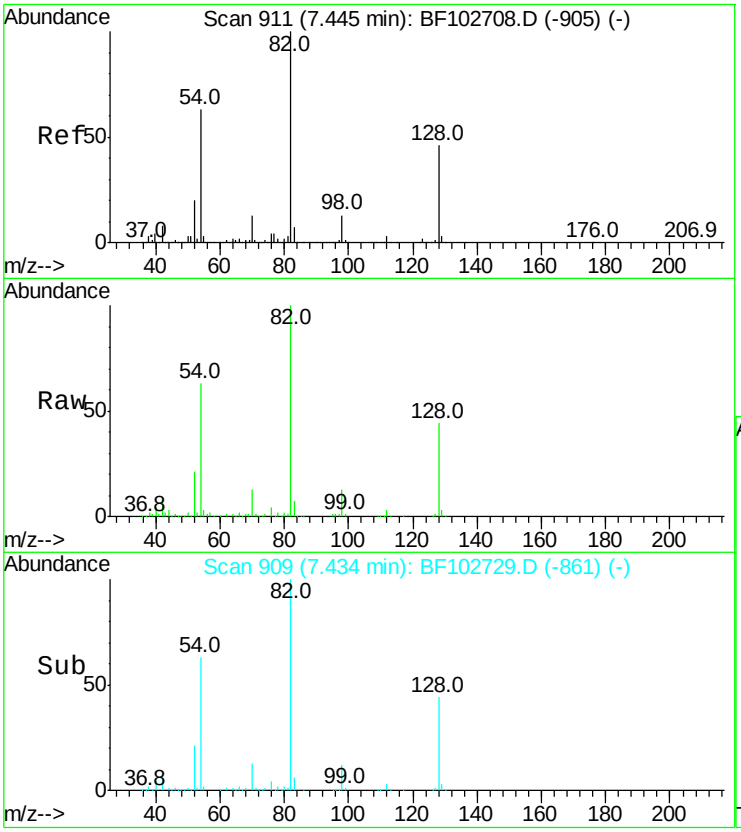


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF102729.D
Acq: 5 Feb 2018 11:04

Tgt Ion:136 Resp: 904600

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	9.5	6.6	9.8
68	6.1	5.0	7.4

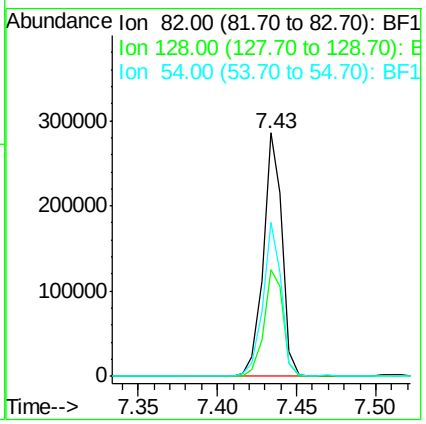




#23
Nitrobenzene-d5
Concen: 18.307 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.02 min
Lab File: BF102729.D
Acq: 5 Feb 2018 11:04

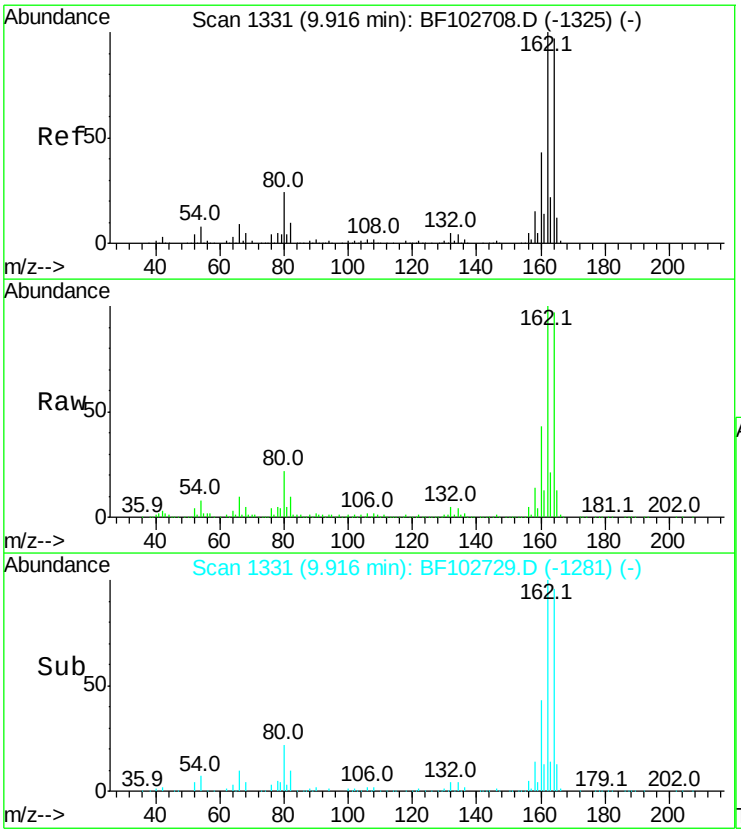
Tgt Ion: 82 Resp: 238730

Ion	Ratio	Lower	Upper
82	100		
128	43.9	36.1	54.1
54	63.0	41.4	62.2#



Instrument :
BNA_F
ClientSampleId :
NB-08-020118

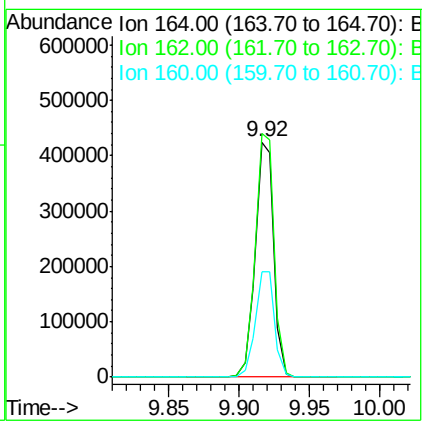
Manual Integrations APPROVED
Sohil
2/6/2018 2:25:20 PM

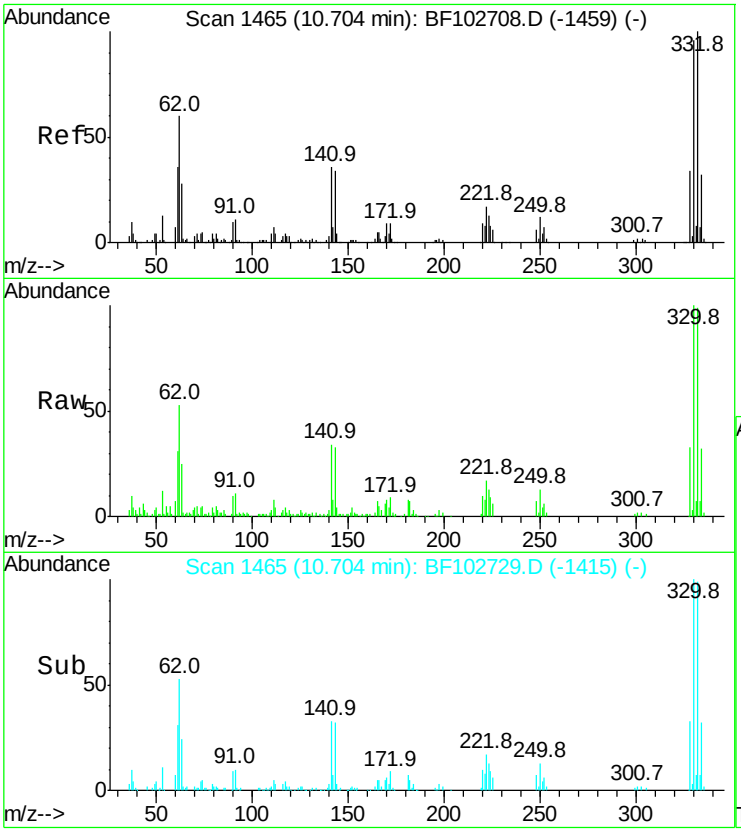


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF102729.D
Acq: 5 Feb 2018 11:04

Tgt Ion:164 Resp: 395059

Ion	Ratio	Lower	Upper
164	100		
162	103.6	86.1	129.1
160	44.9	38.3	57.5

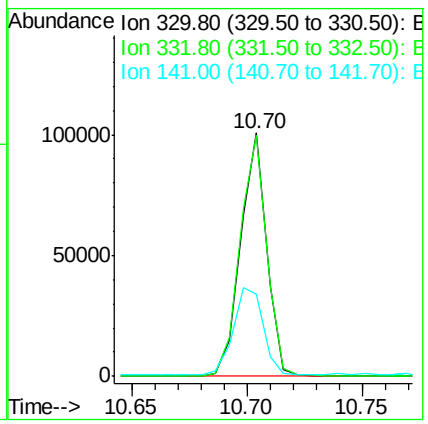




#41
2,4,6-Tribromophenol
Concen: 24.960 ng
RT: 10.70 min Scan# 1465
Delta R.T. -0.01 min
Lab File: BF102729.D
Acq: 5 Feb 2018 11:04

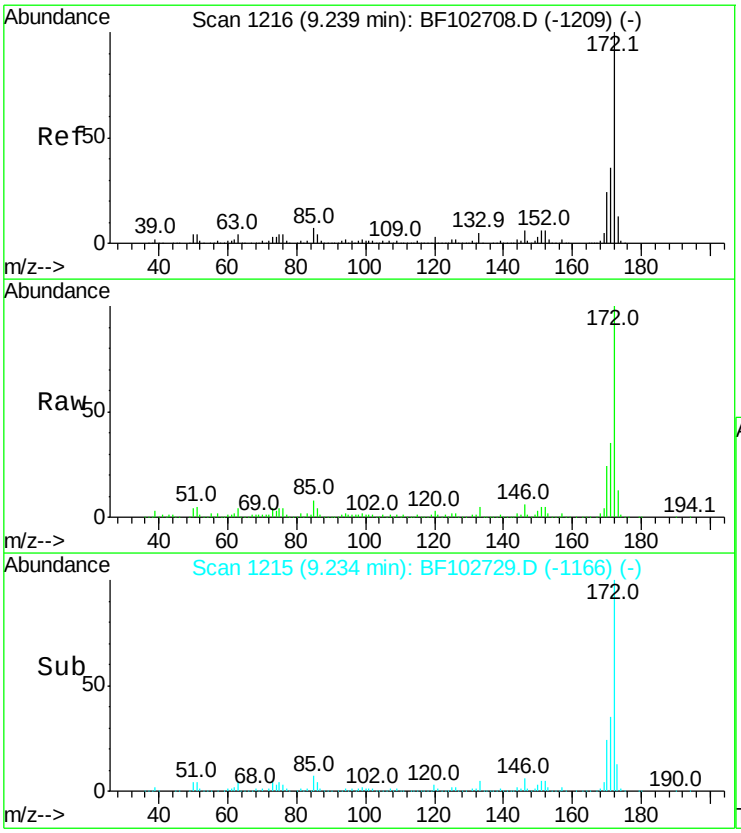
Tgt Ion:330 Resp: 79366

Ion	Ratio	Lower	Upper
330	100		
332	101.2	77.0	115.6
141	41.3	29.9	44.9



Instrument :
BNA_F
ClientSampleId :
NB-08-020118

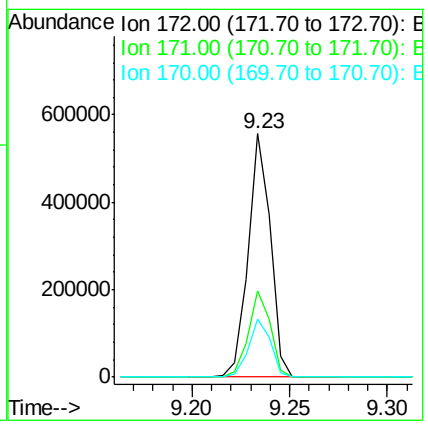
Manual Integrations APPROVED
Sohil
2/6/2018 2:25:20 PM

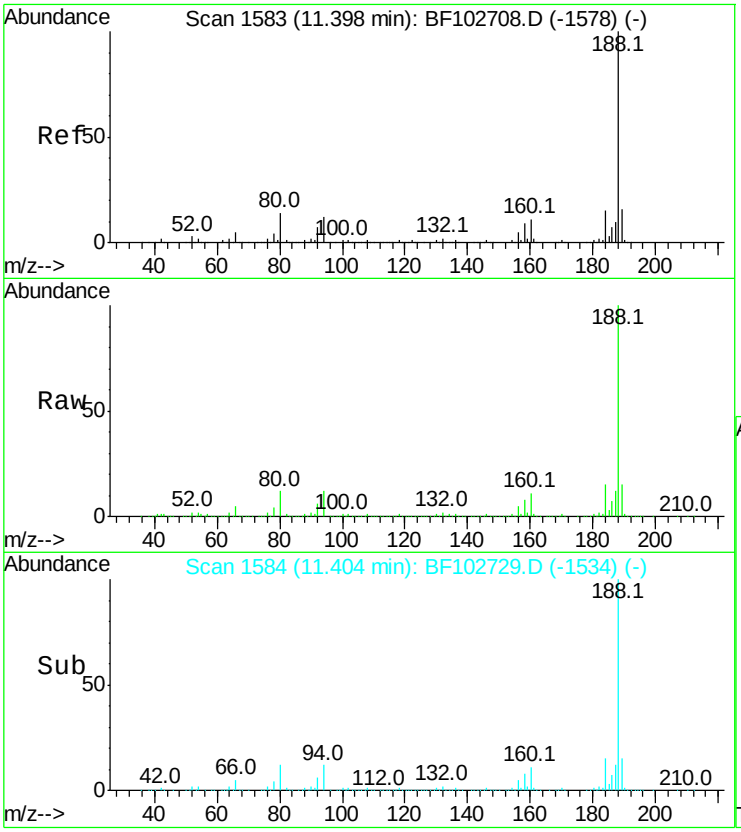


#44
2-Fluorobiphenyl
Concen: 18.452 ng
RT: 9.23 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF102729.D
Acq: 5 Feb 2018 11:04

Tgt Ion:172 Resp: 439293

Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.7	44.5
170	23.7	19.6	29.4

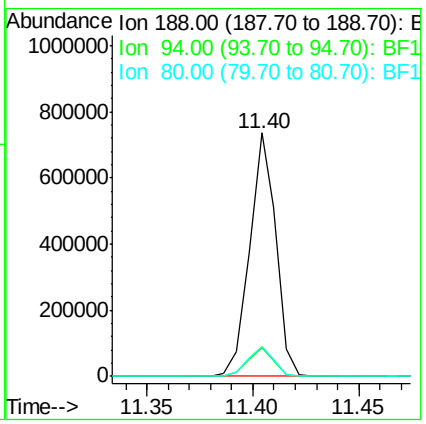




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.01 min
Lab File: BF102729.D
Acq: 5 Feb 2018 11:04

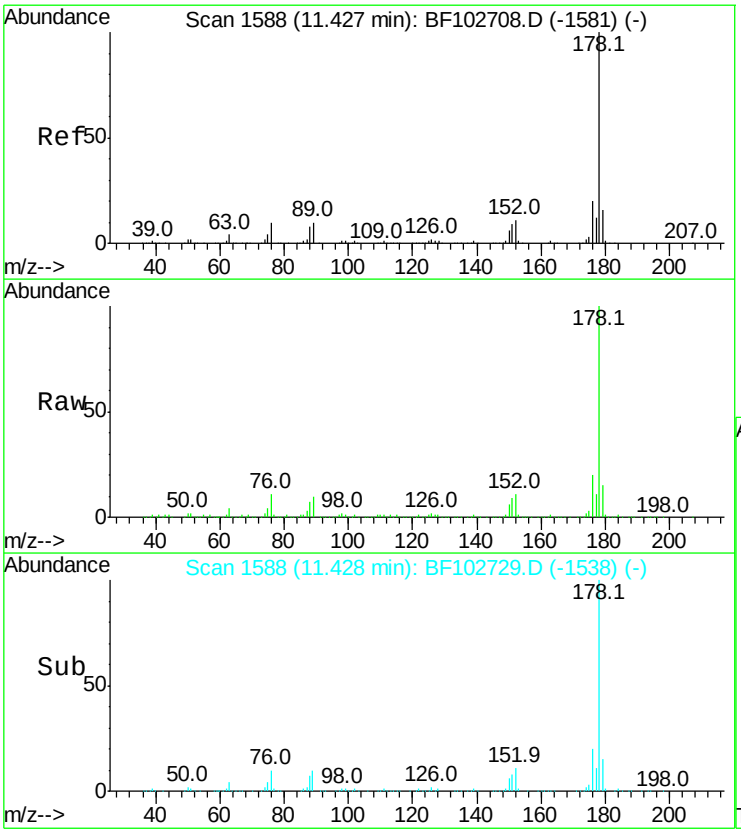
Tgt Ion:188 Resp: 633633

Ion	Ratio	Lower	Upper
188	100		
94	11.6	8.5	12.7
80	12.4	9.2	13.8



Instrument :
BNA_F
ClientSampleId :
NB-08-020118

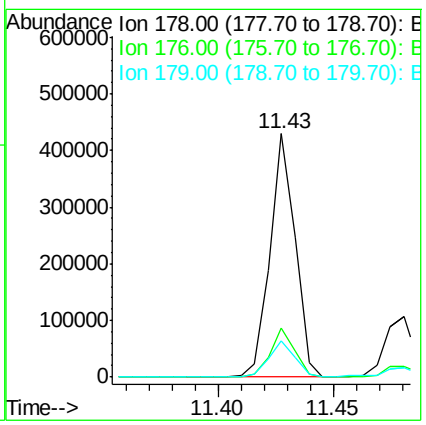
Manual Integrations APPROVED
Sohil
2/6/2018 2:25:20 PM

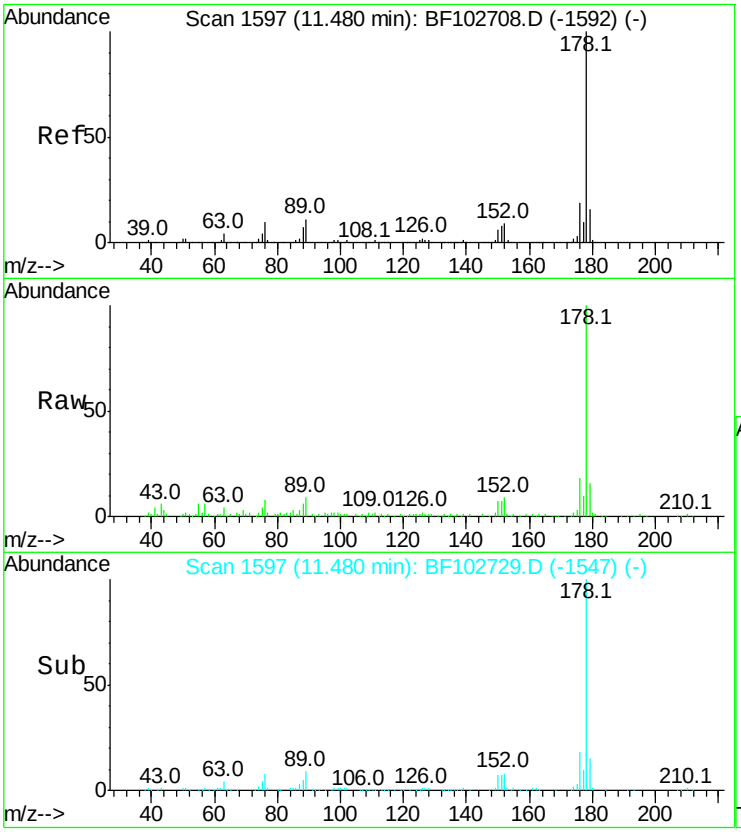


#70
Phenanthrene
Concen: 9.177 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF102729.D
Acq: 5 Feb 2018 11:04

Tgt Ion:178 Resp: 323857

Ion	Ratio	Lower	Upper
178	100		
176	20.1	15.8	23.8
179	15.1	13.0	19.6

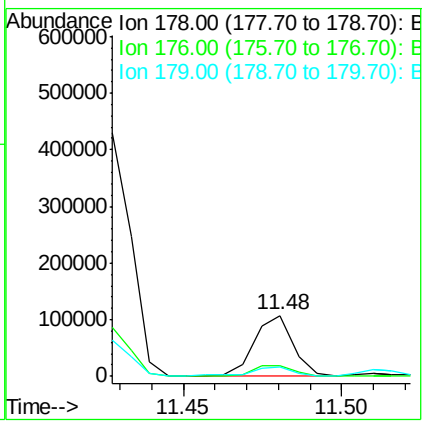




#71
Anthracene
Concen: 2.504 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF102729.D
Acq: 5 Feb 2018 11:04

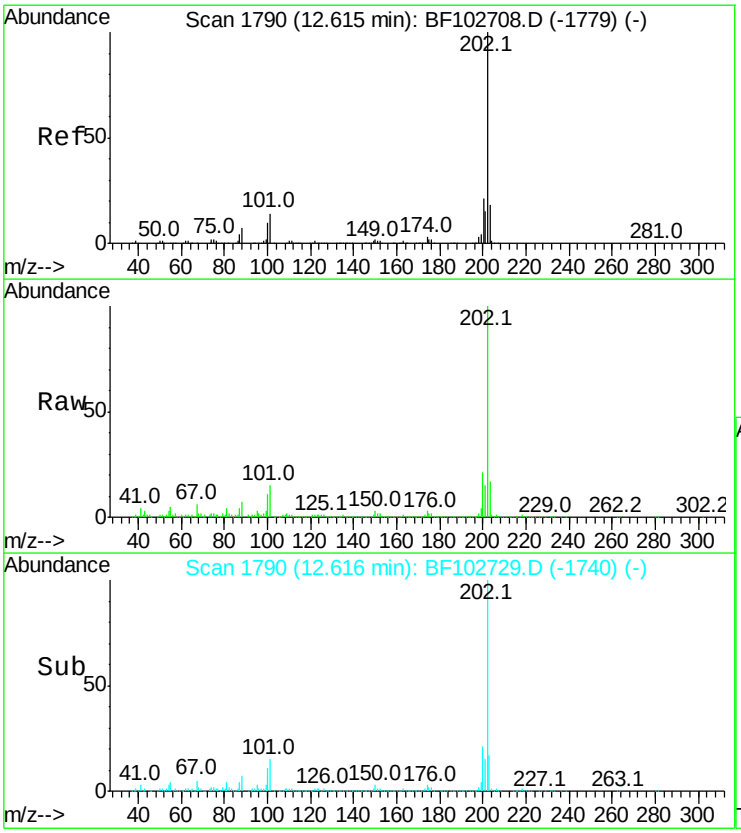
Tgt Ion:178 Resp: 89870

Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	15.7	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
NB-08-020118

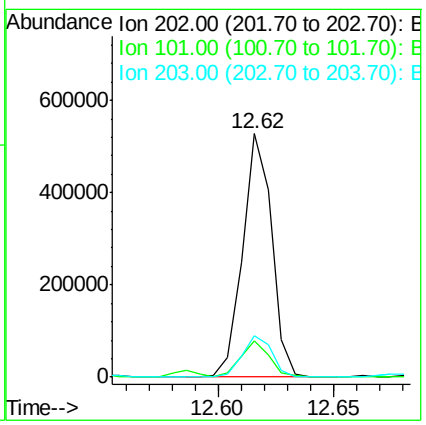
Manual Integrations APPROVED
Sohil
2/6/2018 2:25:20 PM

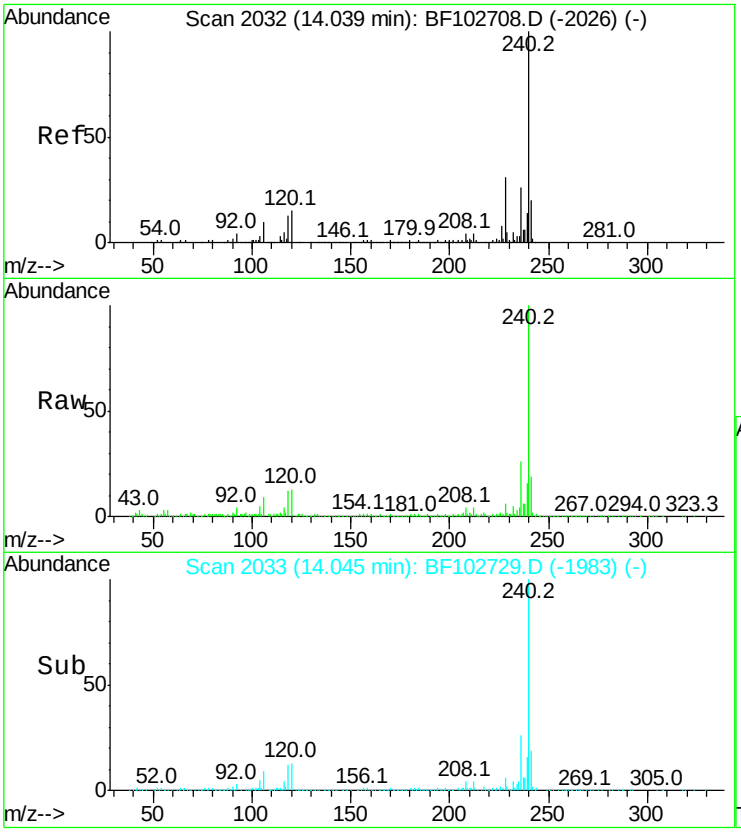


#74
Fluoranthene
Concen: 13.012 ng
RT: 12.62 min Scan# 1790
Delta R.T. -0.01 min
Lab File: BF102729.D
Acq: 5 Feb 2018 11:04

Tgt Ion:202 Resp: 461980

Ion	Ratio	Lower	Upper
202	100		
101	14.7	0.0	34.1
203	17.2	0.0	38.1

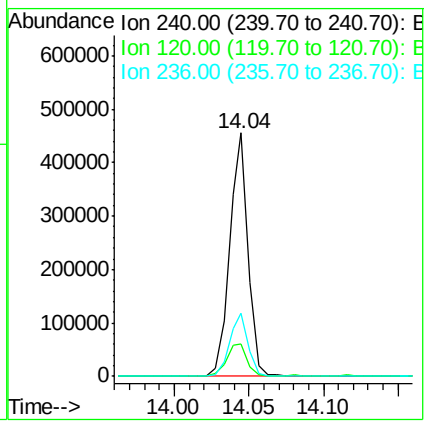




#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.04 min Scan# 2033
Delta R.T. -0.01 min
Lab File: BF102729.D
Acq: 5 Feb 2018 11:04

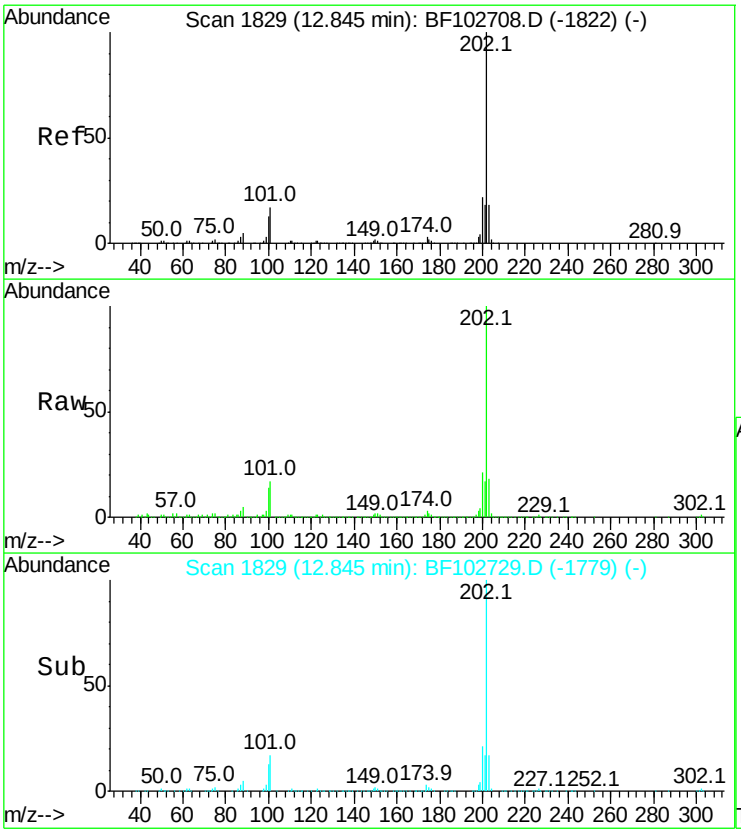
Tgt Ion:240 Resp: 393954

Ion	Ratio	Lower	Upper
240	100		
120	13.3	9.5	14.3
236	25.8	20.7	31.1



Instrument :
BNA_F
ClientSampleId :
NB-08-020118

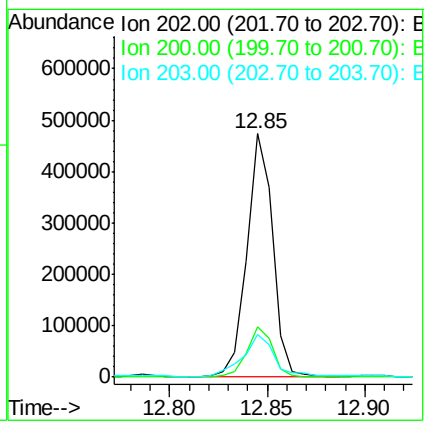
Manual Integrations APPROVED
Sohil
2/6/2018 2:25:20 PM

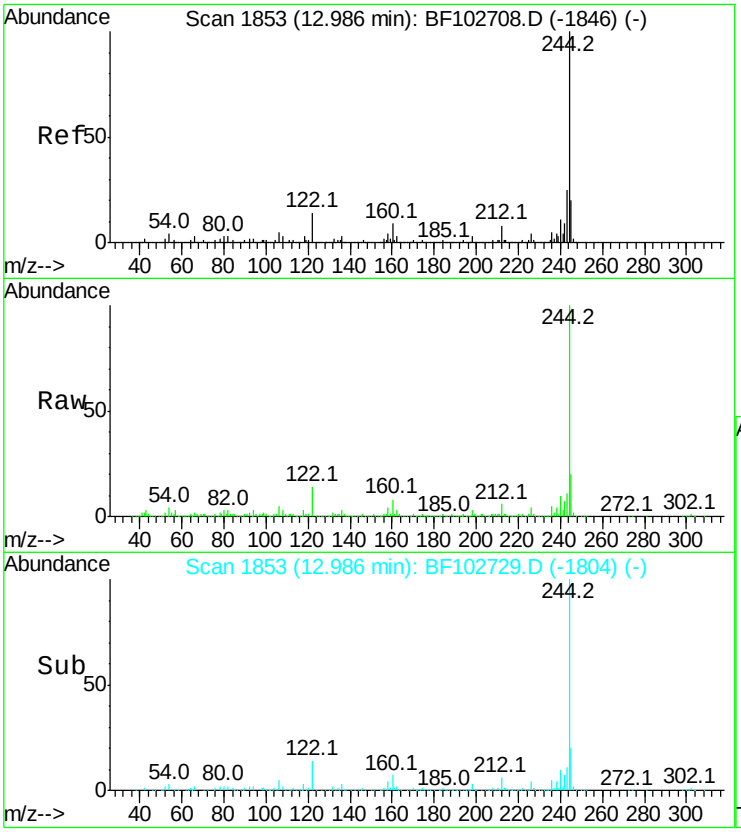


#77
Pyrene
Concen: 14.019 ng
RT: 12.85 min Scan# 1829
Delta R.T. -0.01 min
Lab File: BF102729.D
Acq: 5 Feb 2018 11:04

Tgt Ion:202 Resp: 433076

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.4	26.2
203	17.6	14.3	21.5

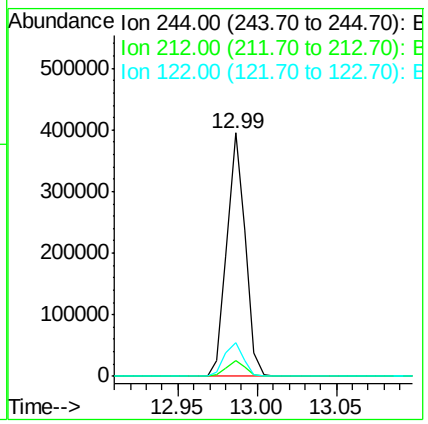




#78
Terphenyl-d14
Concen: 19.035 ng
RT: 12.99 min Scan# 1853
Delta R.T. -0.01 min
Lab File: BF102729.D
Acq: 5 Feb 2018 11:04

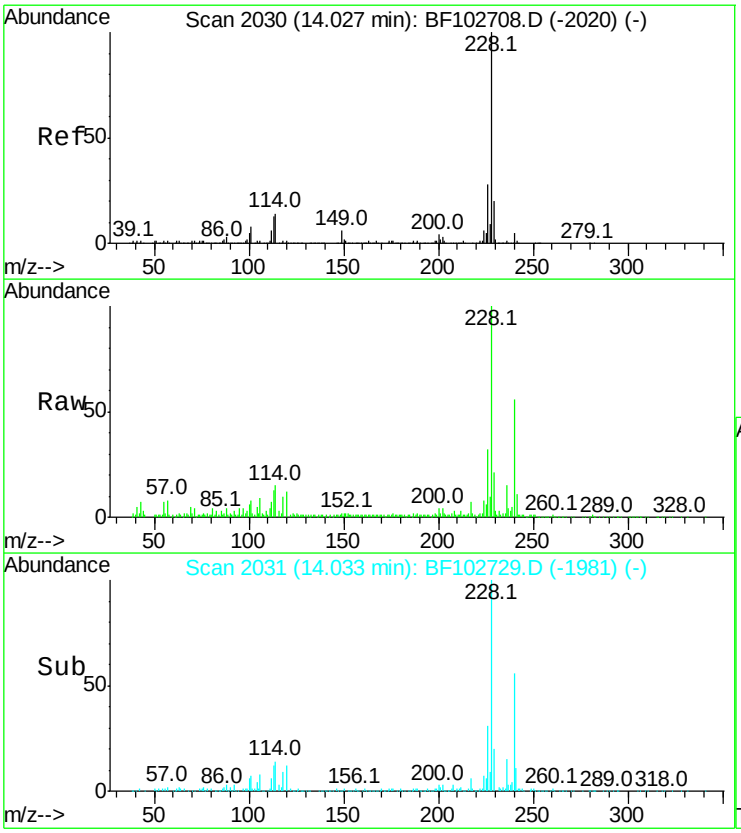
Tgt Ion:244 Resp: 316702

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	14.0	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
NB-08-020118

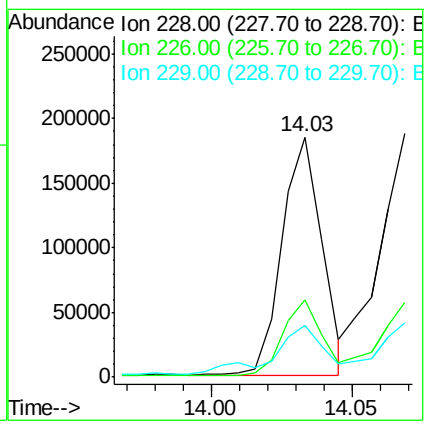
Manual Integrations APPROVED
Sohil
2/6/2018 2:25:20 PM

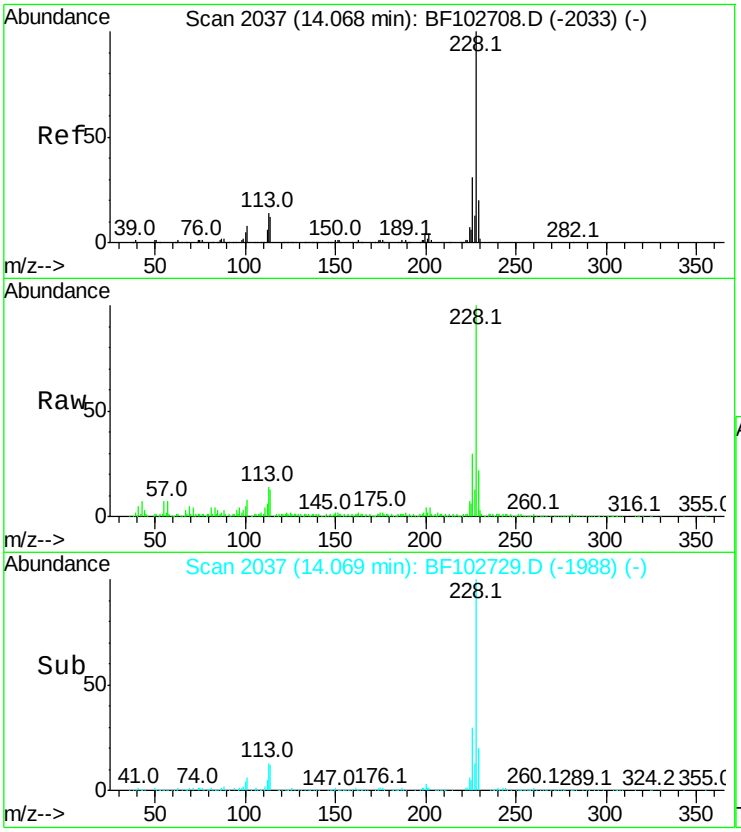


#80
Benzo(a)anthracene
Concen: 7.299 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF102729.D
Acq: 5 Feb 2018 11:04

Tgt Ion:228 Resp: 180843

Ion	Ratio	Lower	Upper
228	100		
226	32.3	22.6	33.8
229	21.3	15.8	23.6

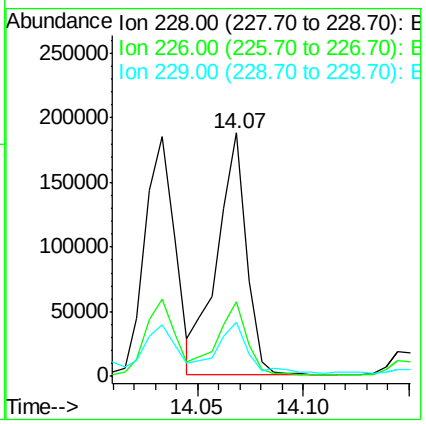




#82
Chrysene
Concen: 7.162 ng
RT: 14.07 min Scan# 2037
Delta R.T. -0.01 min
Lab File: BF102729.D
Acq: 5 Feb 2018 11:04

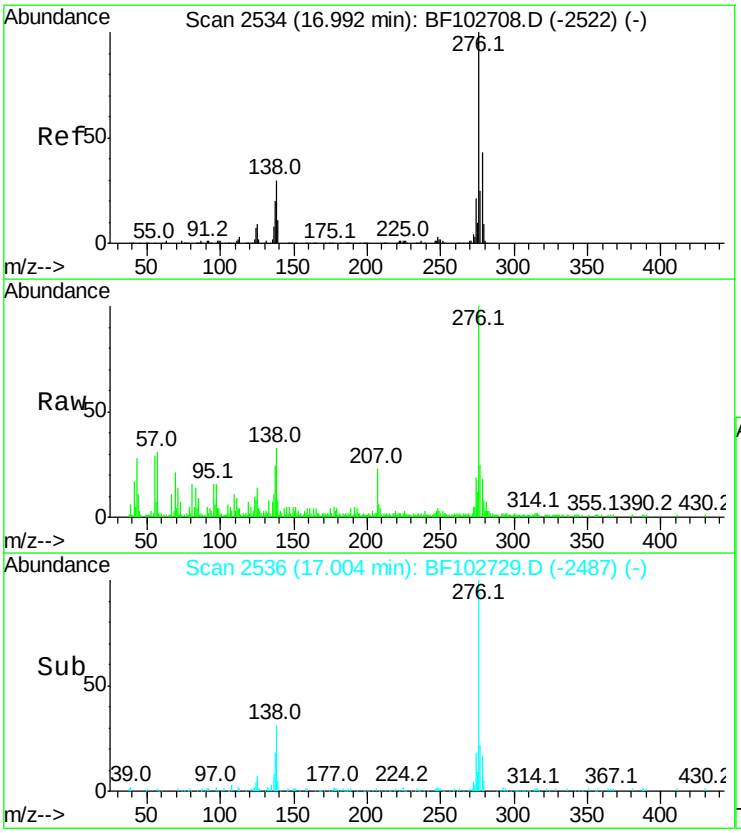
Tgt Ion:228 Resp: 178869

Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.6
229	22.1	16.2	24.4



Instrument :
BNA_F
ClientSampleId :
NB-08-020118

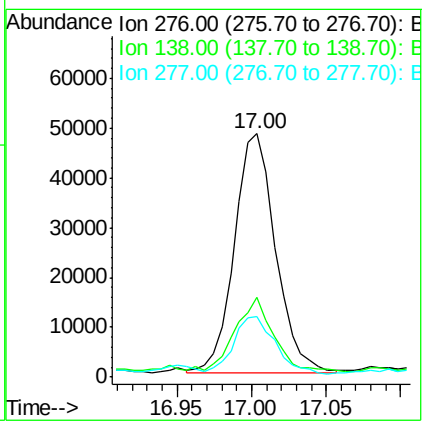
Manual Integrations APPROVED
Sohil
2/6/2018 2:25:20 PM

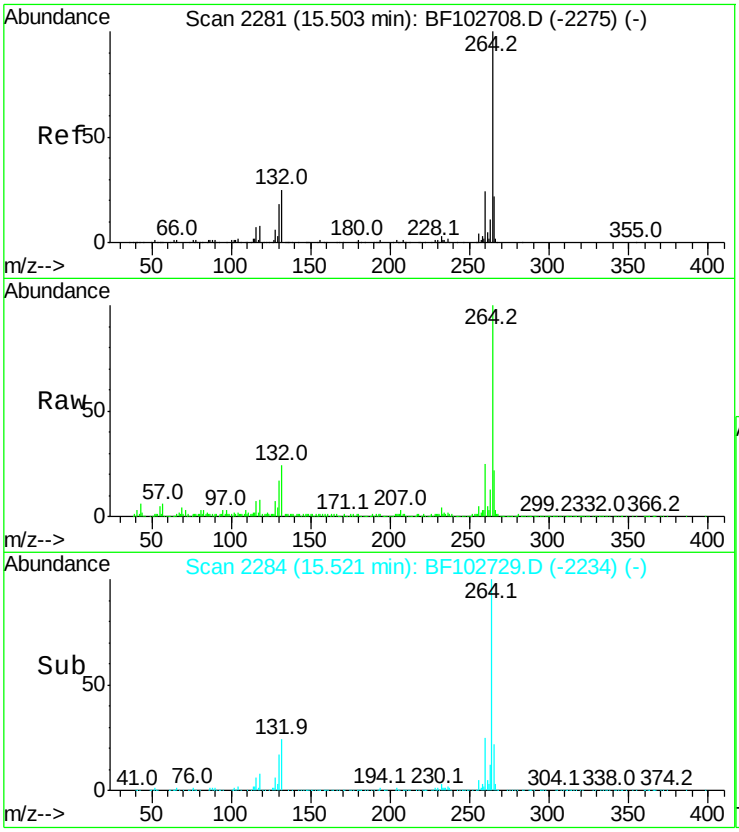


#85
Indeno(1,2,3-cd)pyrene
Concen: 4.452 ng
RT: 17.00 min Scan# 2536
Delta R.T. -0.01 min
Lab File: BF102729.D
Acq: 5 Feb 2018 11:04

Tgt Ion:276 Resp: 92223

Ion	Ratio	Lower	Upper
276	100		
138	28.7	25.0	37.6
277	24.5	20.1	30.1





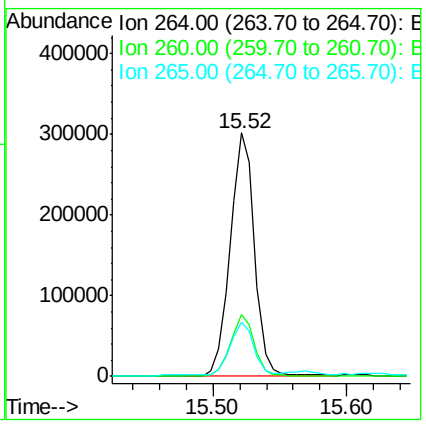
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2284
Delta R.T. -0.01 min
Lab File: BF102729.D
Acq: 5 Feb 2018 11:04

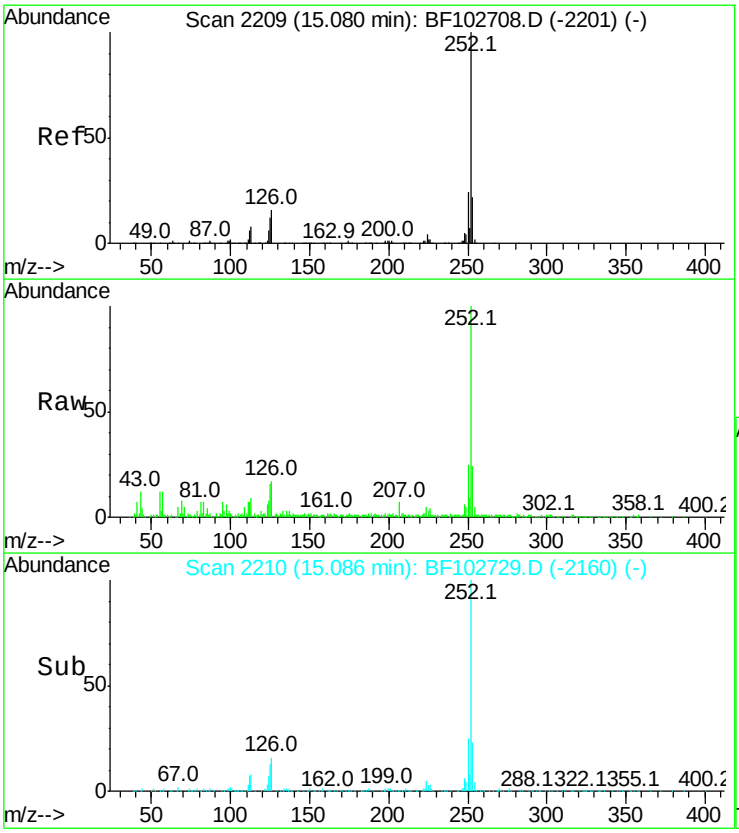
Tgt Ion:264 Resp: 382229

Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.2	28.8
265	22.1	17.5	26.3

Instrument :
BNA_F
ClientSampleId :
NB-08-020118

Manual Integrations APPROVED
Sohil
2/6/2018 2:25:20 PM

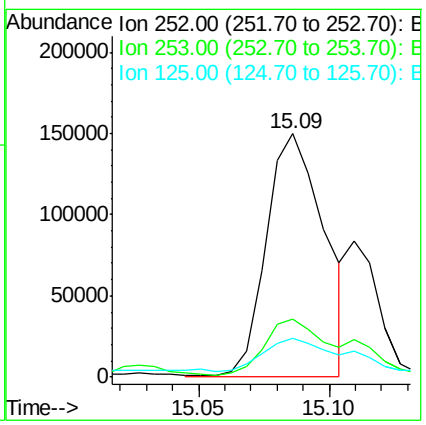


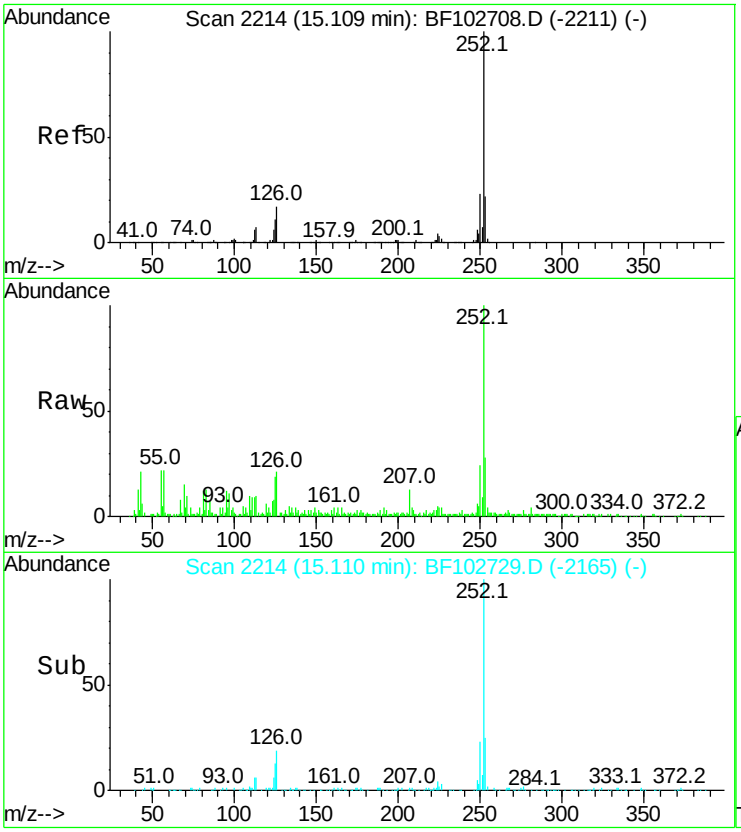


#87
Benzo(b)fluoranthene
Concen: 9.361 ng m
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF102729.D
Acq: 5 Feb 2018 11:04

Tgt Ion:252 Resp: 231980

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.0	25.6
125	15.9	9.0	13.6#





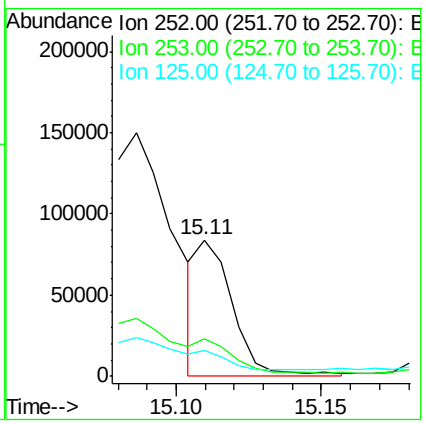
#88
Benzo(k)fluoranthene
Concen: 3.045 ng m
RT: 15.11 min Scan# 2214
Delta R.T. -0.01 min
Lab File: BF102729.D
Acq: 5 Feb 2018 11:04

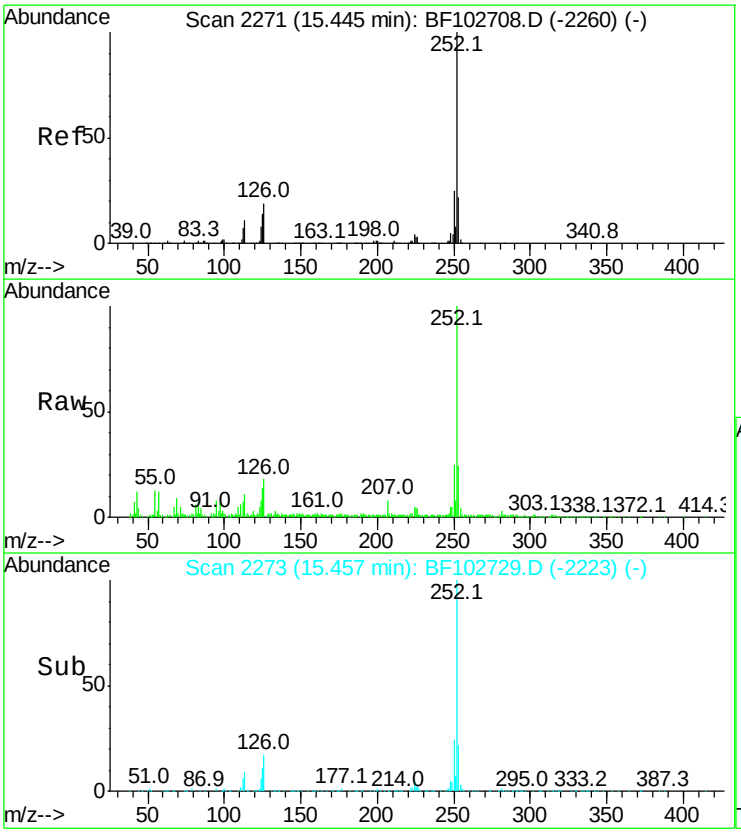
Tgt Ion:252 Resp: 72093

Ion	Ratio	Lower	Upper
252	100		
253	27.5	17.9	26.9#
125	18.9	10.2	15.2#

Instrument :
BNA_F
ClientSampleId :
NB-08-020118

Manual Integrations APPROVED
Sohil
2/6/2018 2:25:20 PM

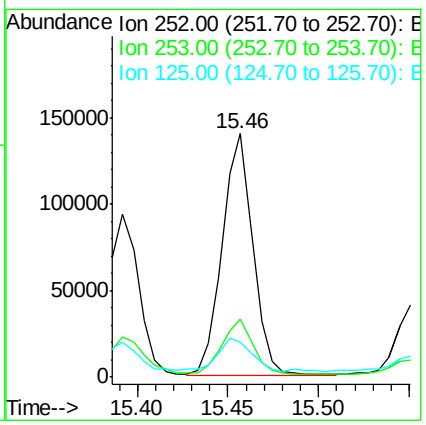


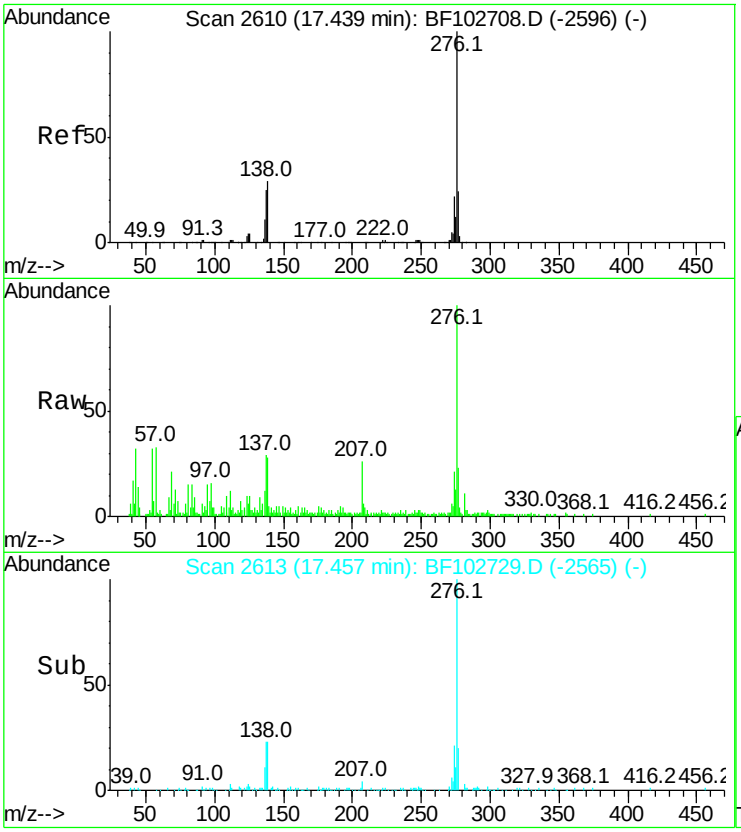


#89
Benzo(a)pyrene
Concen: 7.394 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.01 min
Lab File: BF102729.D
Acq: 5 Feb 2018 11:04

Tgt Ion:252 Resp: 164926

Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.1	25.7
125	14.2	9.8	14.6

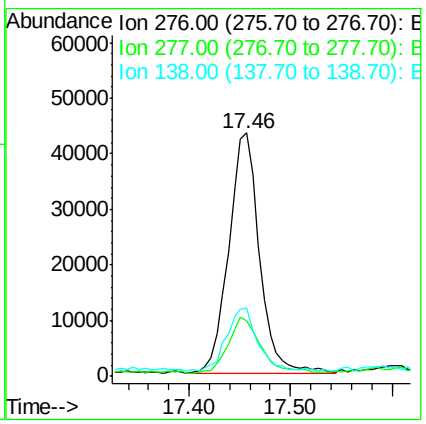




#91
Benzo(g,h,i)perylene
Concen: 5.144 ng
RT: 17.46 min Scan# 2613
Delta R.T. -0.02 min
Lab File: BF102729.D
Acq: 5 Feb 2018 11:04

Tgt Ion:276 Resp: 91159

Ion	Ratio	Lower	Upper
276	100		
277	22.9	17.9	26.9
138	27.9	21.8	32.8



Instrument :
BNA_F
ClientSampleId :
NB-08-020118

Manual Integrations APPROVED
Sohil
2/6/2018 2:25:20 PM