Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042020\
Data File : BF120077.D
Acq On : 20 Apr 2020 15:02
Operator : MA/SJ
Sample : L2242-01RE
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B-1RE

Manual Integrations APPROVED
mohammad
4/21/2020 2:54:38 PM

Quant Time: Apr 20 15:43:41 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 20 14:10:57 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	145914	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	524387	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	290163	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	519327	20.00	ng	0.00
76) Chrysene-d12	13.89	240	396176	20.00	ng	-0.01
87) Perylene-d12	15.31	264	282691	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.32	112	801660	94.95	ng	0.00
7) Phenol-d6	6.36	99	1050718	96.58	ng	0.00
23) Nitrobenzene-d5	7.28	82	578125	57.04	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	250395	70.48	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	1167893	57.15	ng	0.00
79) Terphenyl-d14	12.84	244	1429579	60.72	ng	0.00
Target Compounds						Qvalue
50) Dimethylphthalate	9.47	163	212699	9.477	ng	99
71) Phenanthrene	11.27	178	100790	3.647	ng	97
75) Fluoranthene	12.46	202	189671	6.360	ng	96
78) Pyrene	12.69	202	164116	4.914	ng	100
81) Benzo(a)anthracene	13.87	228	83091	3.188	ng	97
83) Chrysene	13.91	228	77301	2.919	ng	98
88) Benzo(b)fluoranthene	14.90	252	90558m	4.453	ng	
90) Benzo(a)pyrene	15.24	252	53322	3.119	ng	# 96
92) Benzo(g,h,i)perylene	17.10	276	39311	2.629	ng	97

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

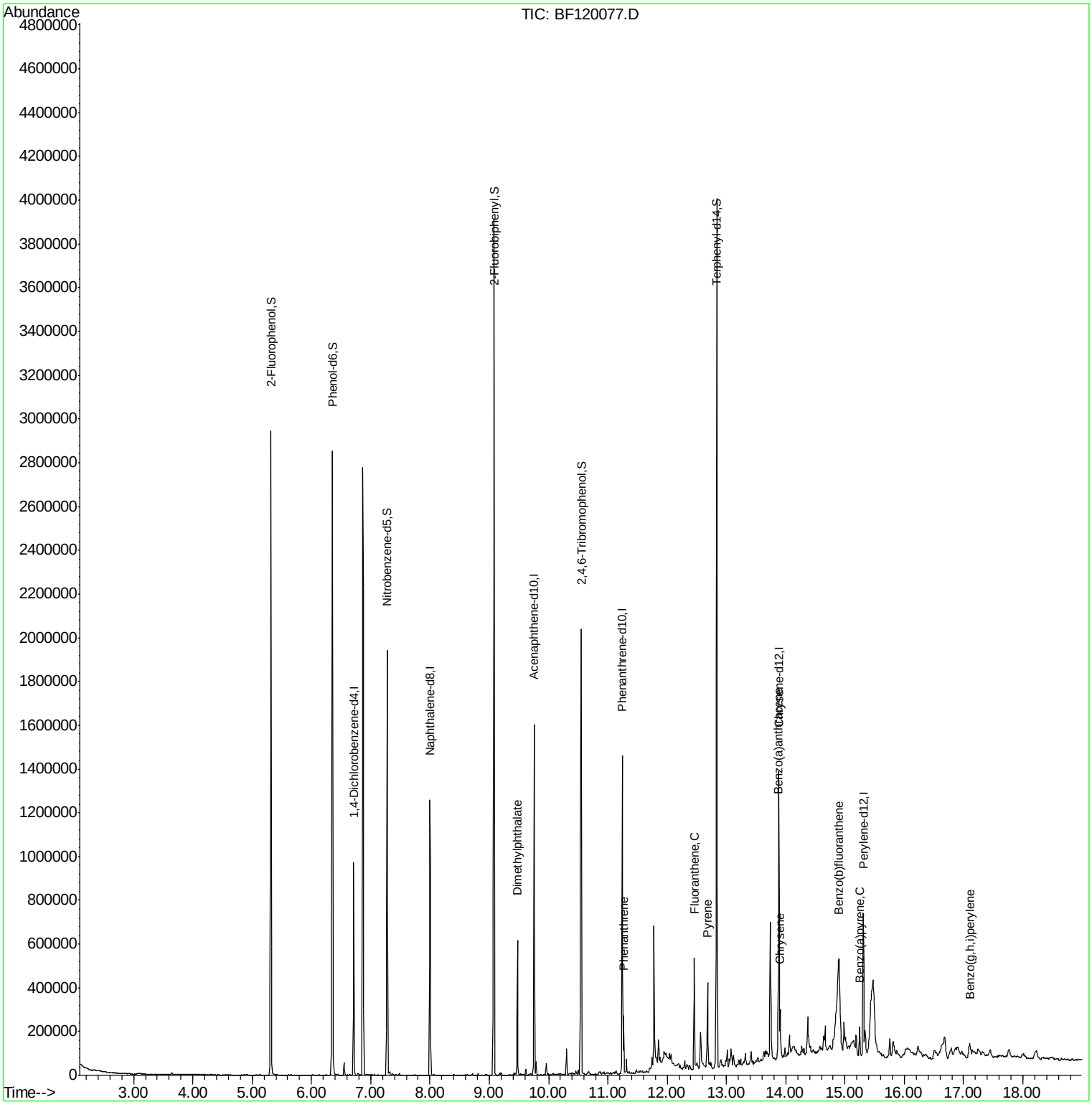
Quantitation Report (LSC Reviewed)

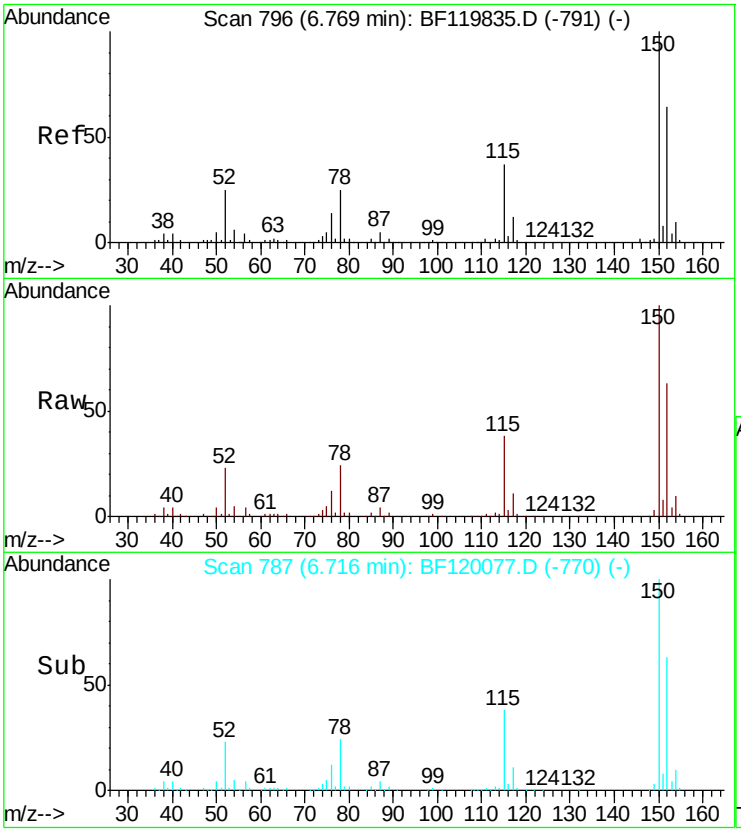
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF042020\
Data File : BF120077.D
Acq On : 20 Apr 2020 15:02
Operator : MA/SJ
Sample : L2242-01RE
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Apr 20 15:43:41 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 20 14:10:57 2020
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
B-1RE

Manual Integrations APPROVED
mohammad
4/21/2020 2:54:38 PM

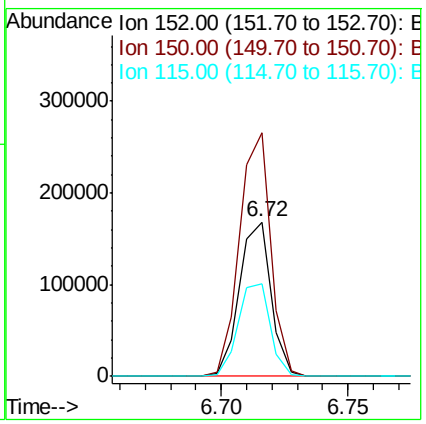




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BF120077.D
Acq: 20 Apr 2020 15:02

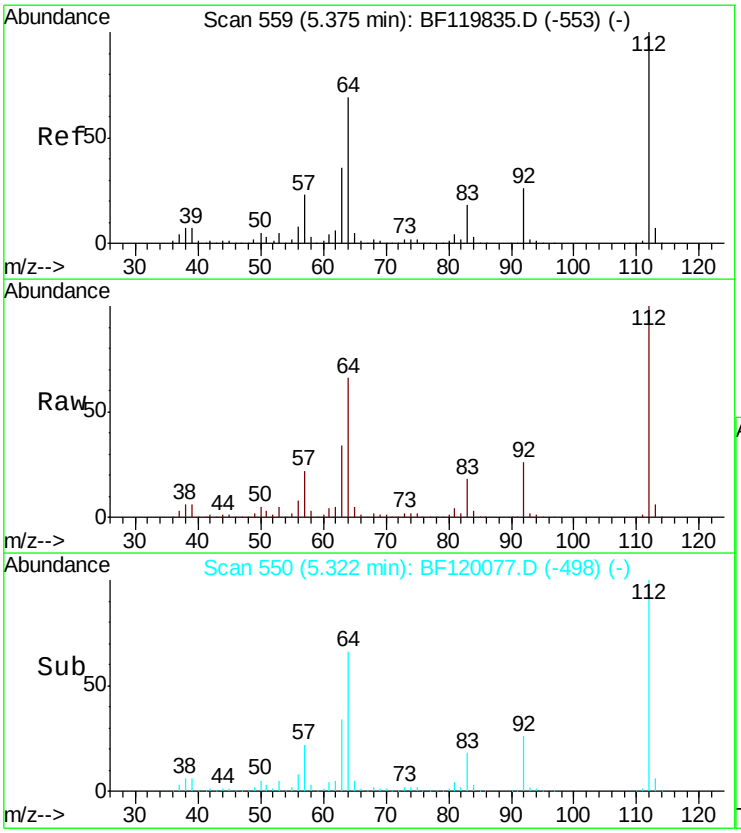
Tgt Ion:152 Resp: 145914

Ion	Ratio	Lower	Upper
152	100		
150	157.6	124.8	187.2
115	60.0	46.5	69.7



Instrument :
BNA_F
ClientSampleId :
B-1RE

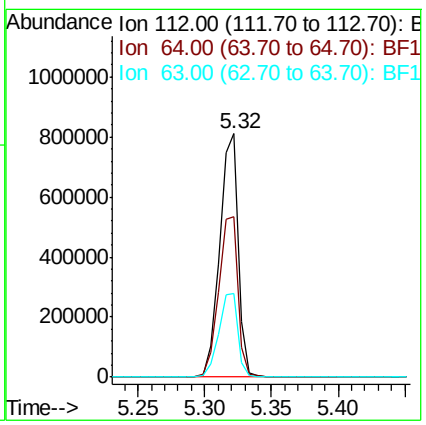
Manual Integrations APPROVED
mohammad
4/21/2020 2:54:38 PM

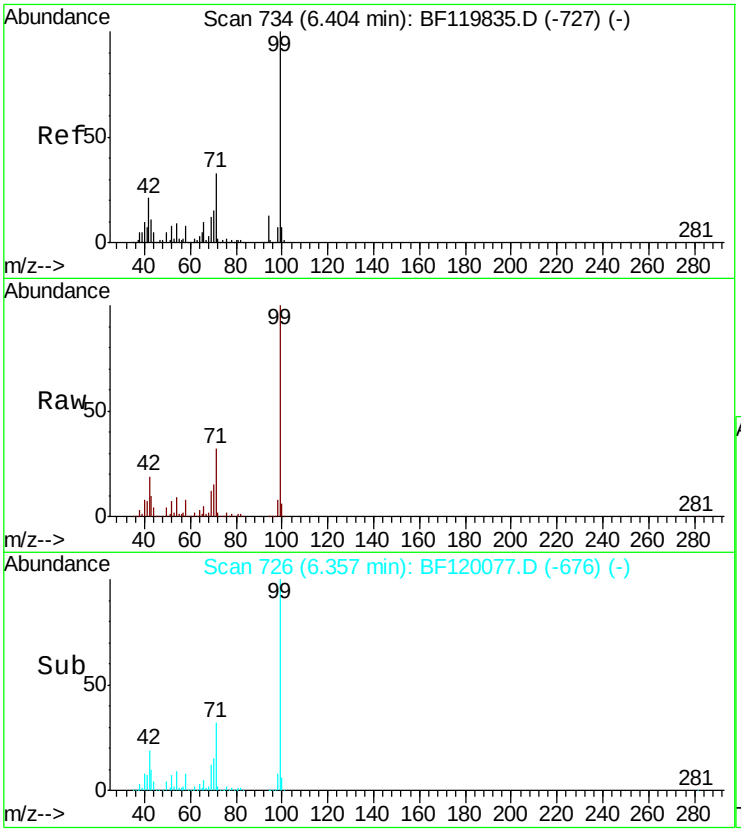


#5
2-Fluorophenol
Concen: 94.947 ng
RT: 5.32 min Scan# 550
Delta R.T. 0.01 min
Lab File: BF120077.D
Acq: 20 Apr 2020 15:02

Tgt Ion:112 Resp: 801660

Ion	Ratio	Lower	Upper
112	100		
64	65.8	55.5	83.3
63	34.1	29.1	43.7

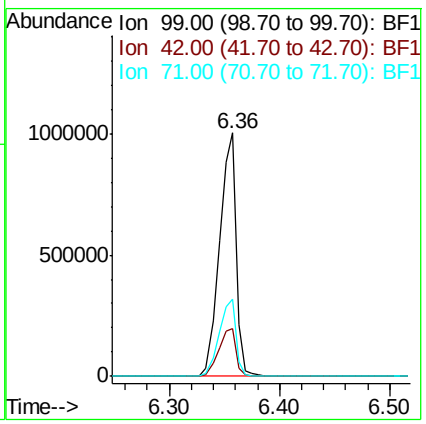




#7
Phenol-d6
Concen: 96.578 ng
RT: 6.36 min Scan# 726
Delta R.T. -0.01 min
Lab File: BF120077.D
Acq: 20 Apr 2020 15:02

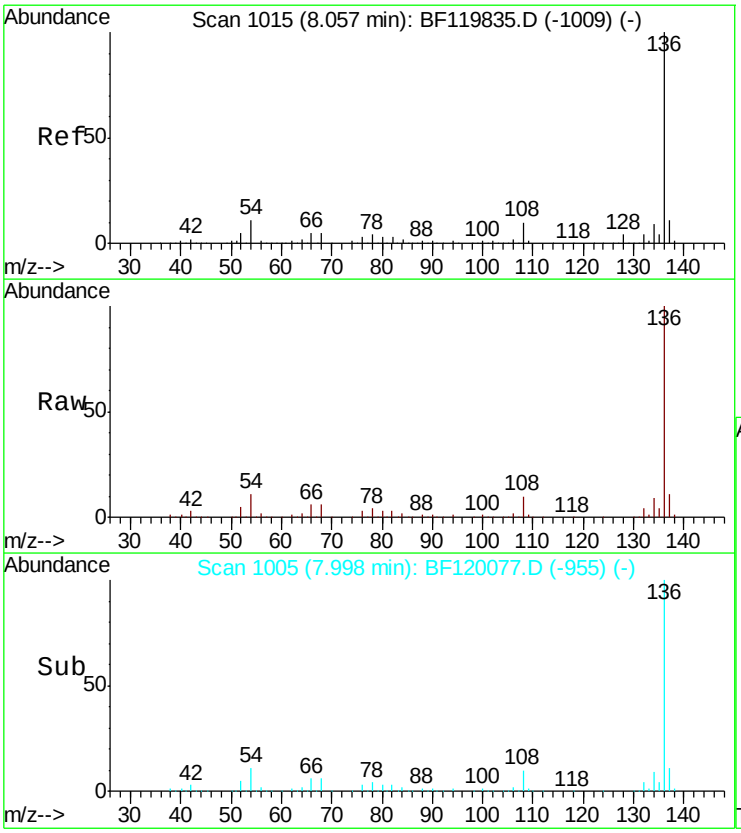
Tgt Ion: 99 Resp: 1050718

Ion	Ratio	Lower	Upper
99	100		
42	19.5	16.9	25.3
71	31.9	26.3	39.5



Instrument :
BNA_F
ClientSampleId :
B-1RE

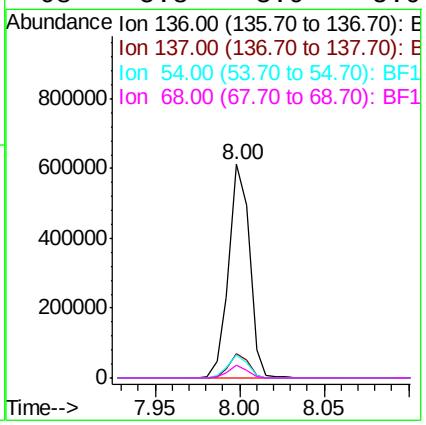
Manual Integrations APPROVED
mohammad
4/21/2020 2:54:38 PM

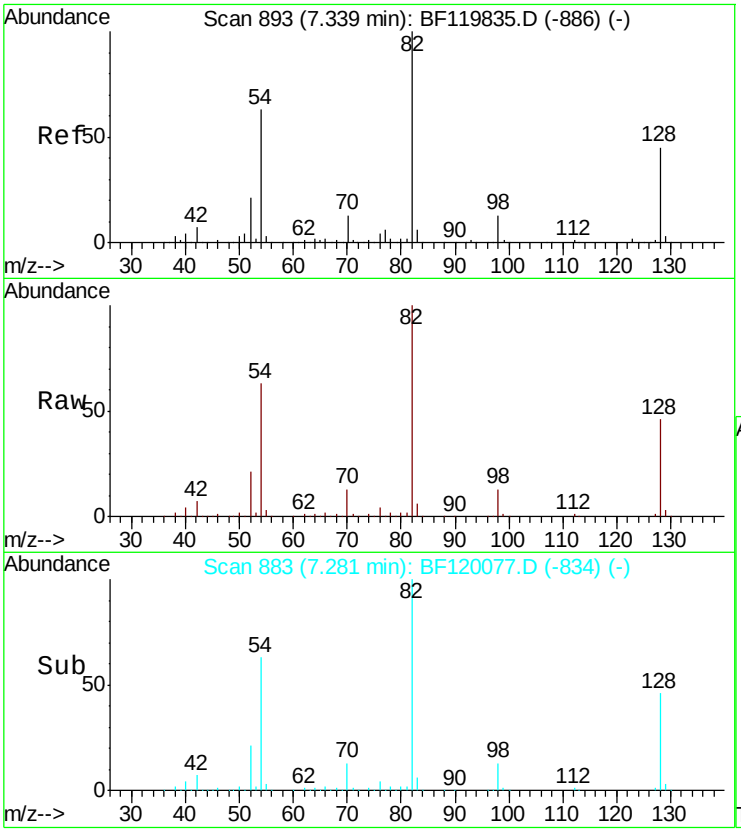


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF120077.D
Acq: 20 Apr 2020 15:02

Tgt Ion:136 Resp: 524387

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.7	13.1
54	11.1	8.5	12.7
68	5.8	3.9	5.9

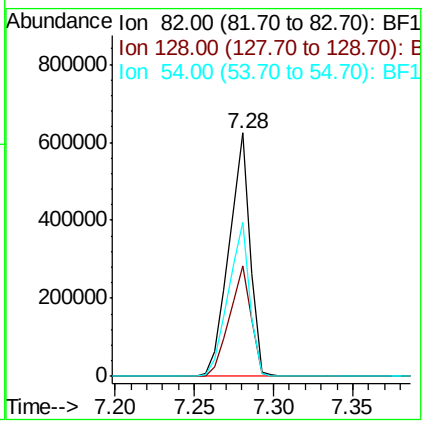




#23
Nitrobenzene-d5
Concen: 57.035 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF120077.D
Acq: 20 Apr 2020 15:02

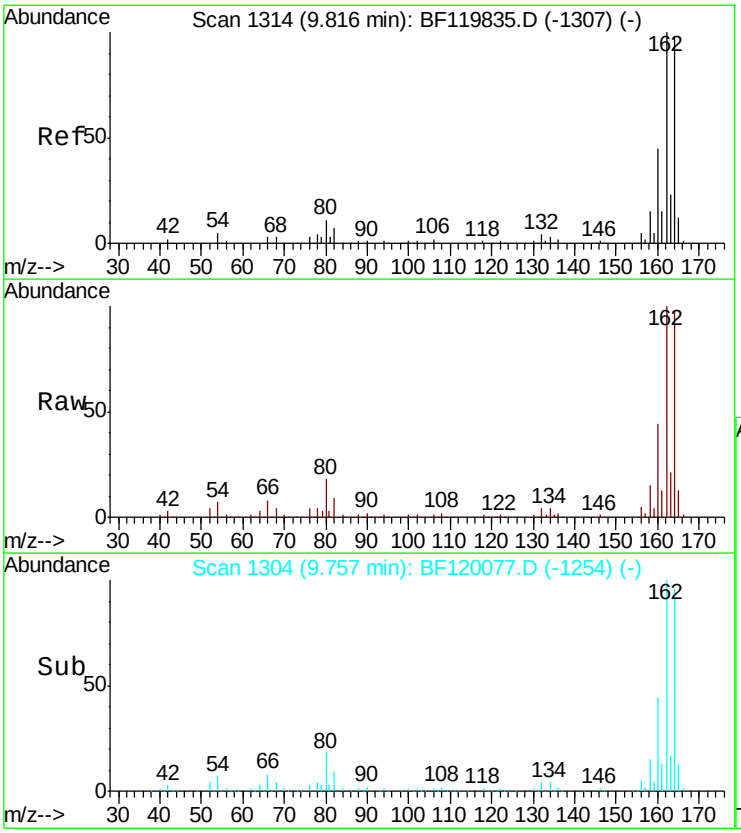
Tgt Ion: 82 Resp: 578125

Ion	Ratio	Lower	Upper
82	100		
128	45.5	36.2	54.4
54	63.4	50.4	75.6



Instrument :
BNA_F
ClientSampleId :
B-1RE

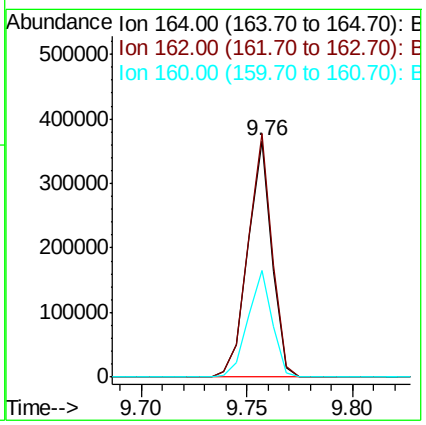
Manual Integrations APPROVED
mohammad
4/21/2020 2:54:38 PM

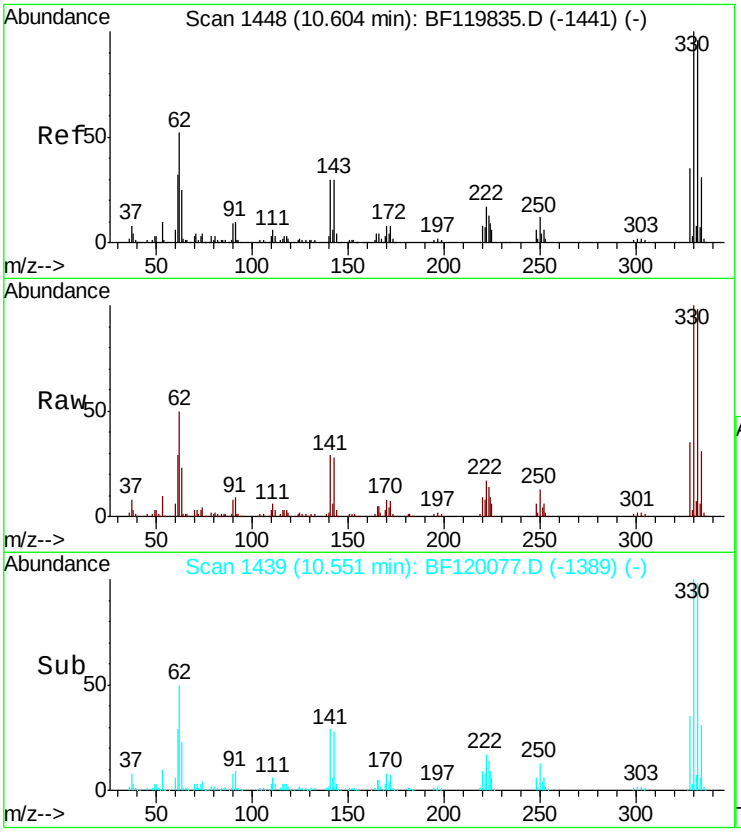


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF120077.D
Acq: 20 Apr 2020 15:02

Tgt Ion:164 Resp: 290163

Ion	Ratio	Lower	Upper
164	100		
162	103.1	81.9	122.9
160	45.4	36.6	54.8

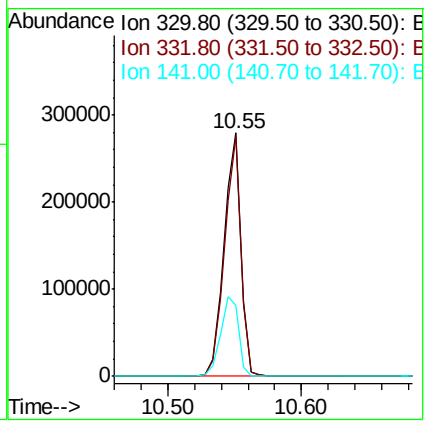




#42
2,4,6-Tribromophenol
Concen: 70.483 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.01 min
Lab File: BF120077.D
Acq: 20 Apr 2020 15:02

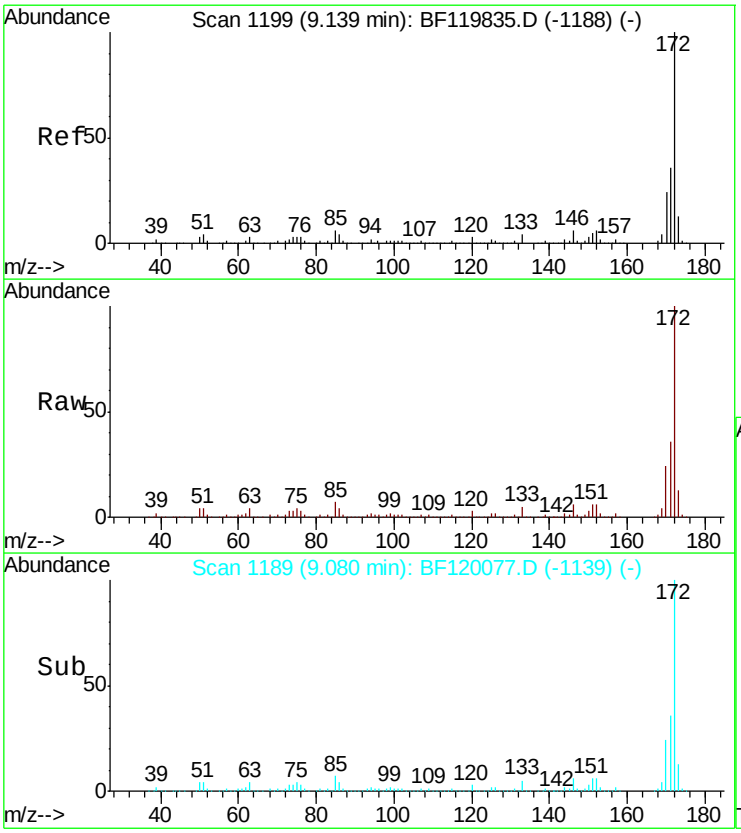
Tgt Ion:330 Resp: 250395

Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.8	115.2
141	34.9	25.1	37.7



Instrument :
BNA_F
ClientSampleId :
B-1RE

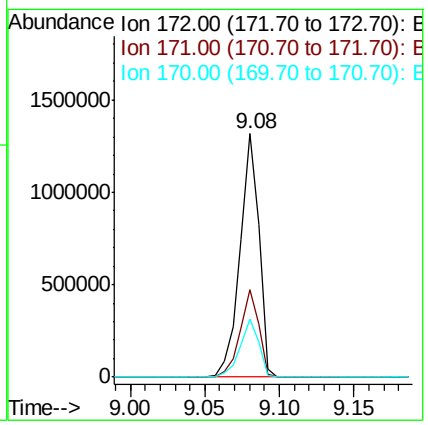
Manual Integrations APPROVED
mohammad
4/21/2020 2:54:38 PM

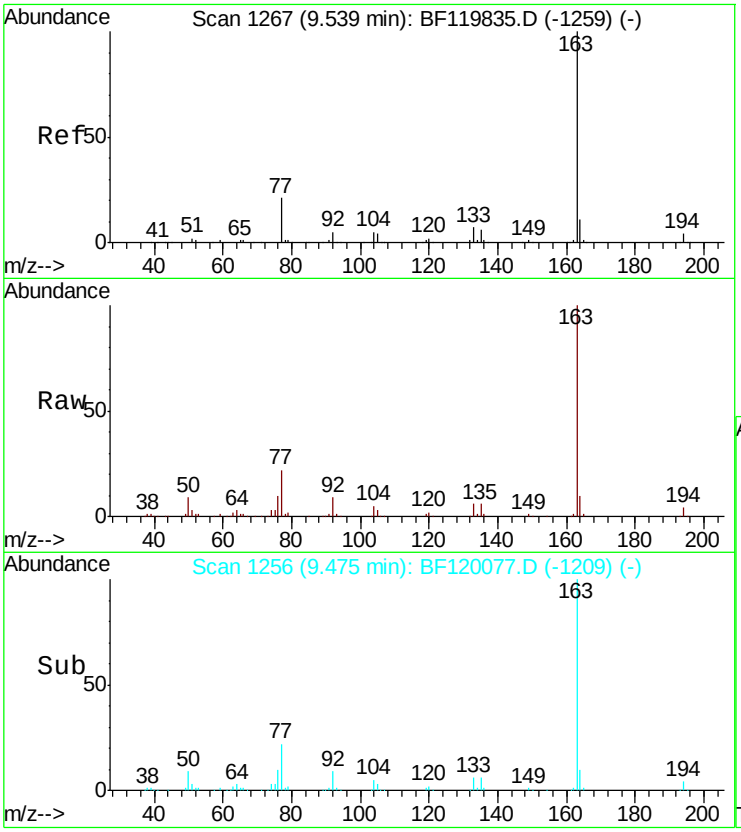


#45
2-Fluorobiphenyl
Concen: 57.146 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF120077.D
Acq: 20 Apr 2020 15:02

Tgt Ion:172 Resp: 1167893

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.9	43.3
170	24.1	19.4	29.2

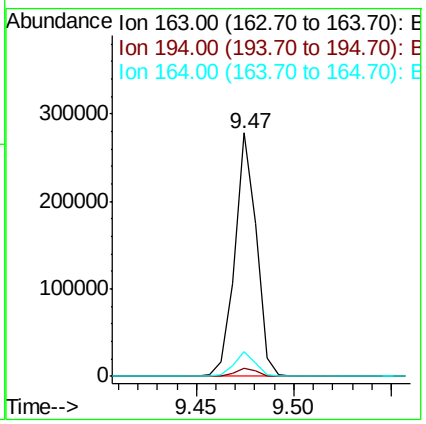




#50
Dimethylphthalate
Concen: 9.477 ng
RT: 9.47 min Scan# 1256
Delta R.T. -0.02 min
Lab File: BF120077.D
Acq: 20 Apr 2020 15:02

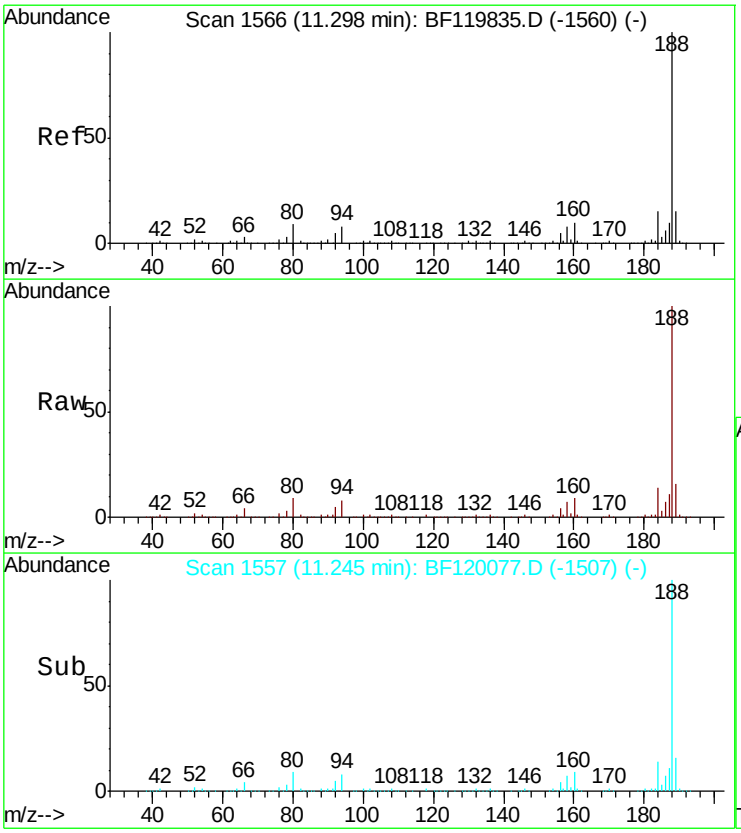
Tgt Ion:163 Resp: 212699

Ion	Ratio	Lower	Upper
163	100		
194	3.5	3.0	4.4
164	10.0	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
B-1RE

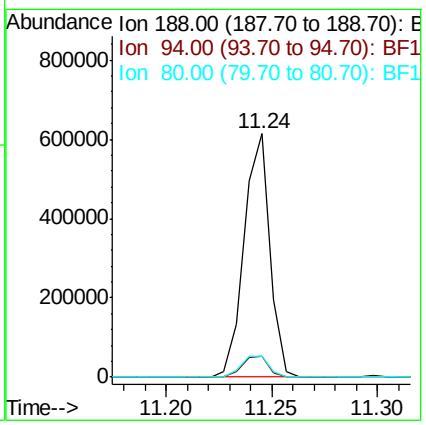
Manual Integrations APPROVED
mohammad
4/21/2020 2:54:38 PM

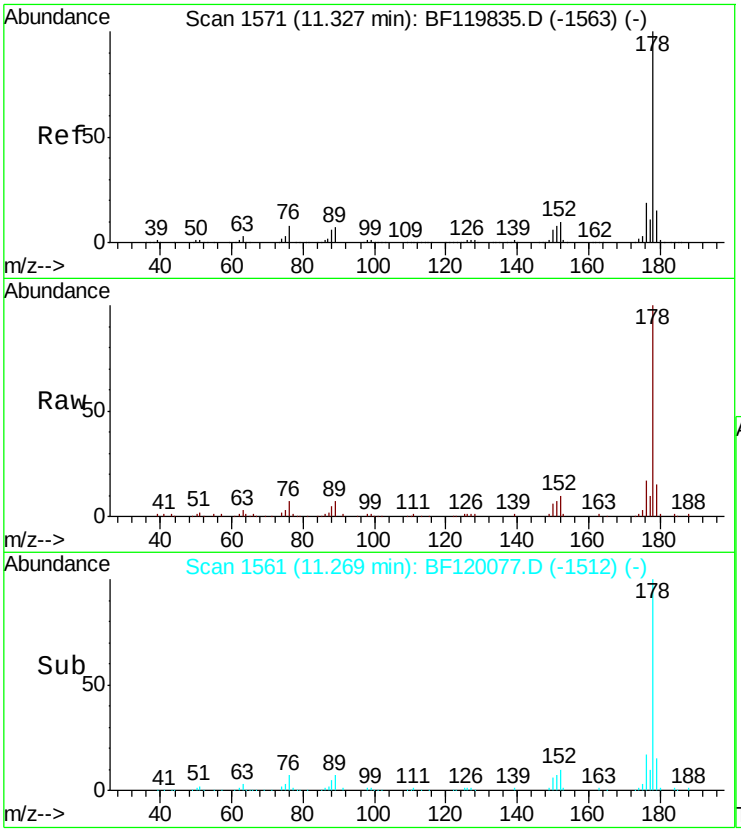


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF120077.D
Acq: 20 Apr 2020 15:02

Tgt Ion:188 Resp: 519327

Ion	Ratio	Lower	Upper
188	100		
94	8.4	6.7	10.1
80	8.7	7.4	11.2

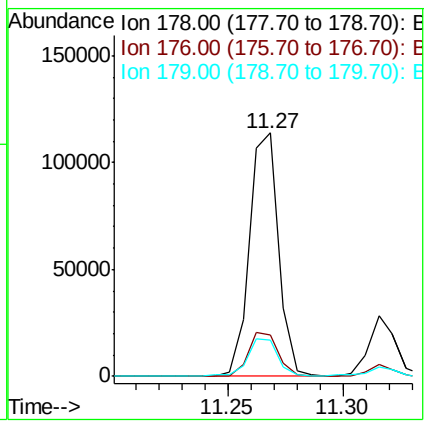




#71
Phenanthrene
Concen: 3.647 ng
RT: 11.27 min Scan# 1561
Delta R.T. -0.01 min
Lab File: BF120077.D
Acq: 20 Apr 2020 15:02

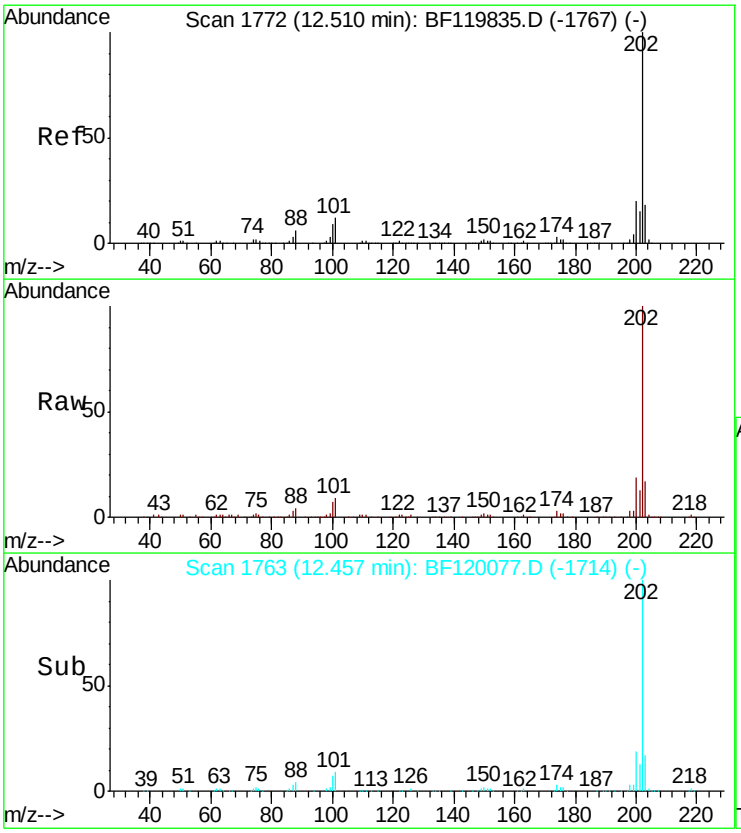
Tgt Ion:178 Resp: 100790

Ion	Ratio	Lower	Upper
178	100		
176	16.9	15.1	22.7
179	15.0	12.2	18.4



Instrument :
BNA_F
ClientSampleId :
B-1RE

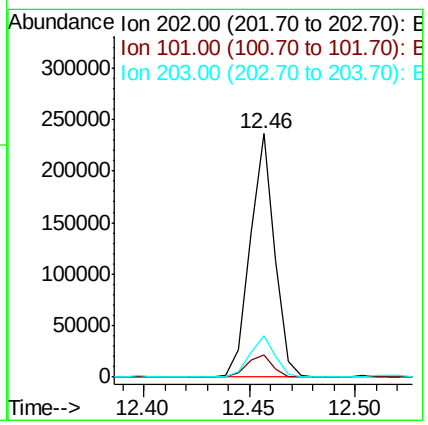
Manual Integrations APPROVED
mohammad
4/21/2020 2:54:38 PM

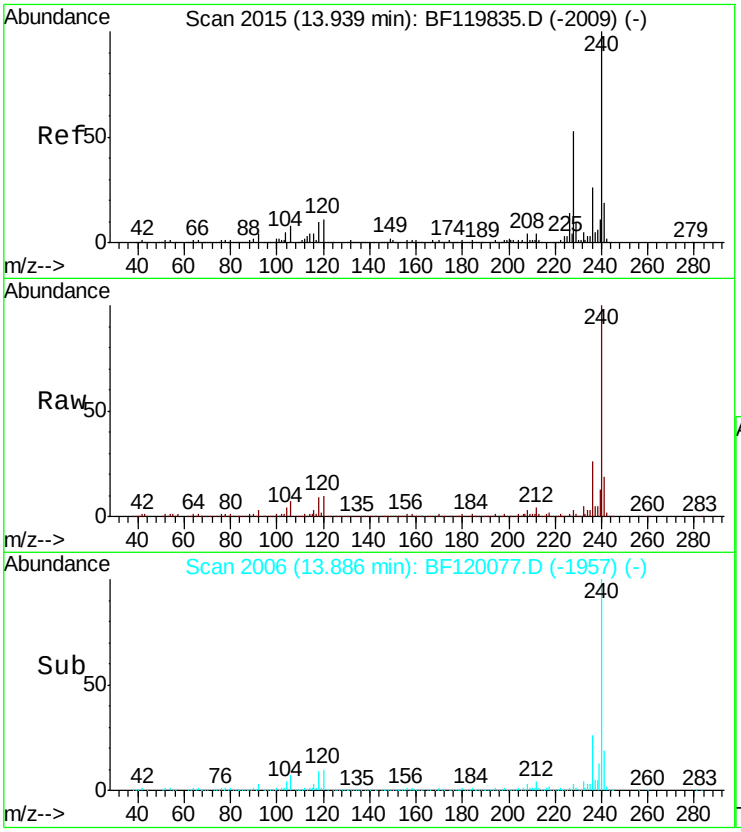


#75
Fluoranthene
Concen: 6.360 ng
RT: 12.46 min Scan# 1763
Delta R.T. -0.01 min
Lab File: BF120077.D
Acq: 20 Apr 2020 15:02

Tgt Ion:202 Resp: 189671

Ion	Ratio	Lower	Upper
202	100		
101	9.1	0.0	32.3
203	17.1	0.0	37.6

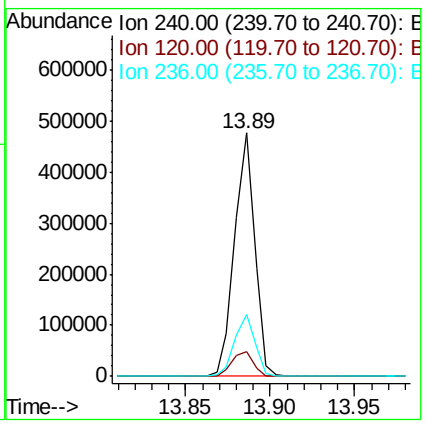




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF120077.D
Acq: 20 Apr 2020 15:02

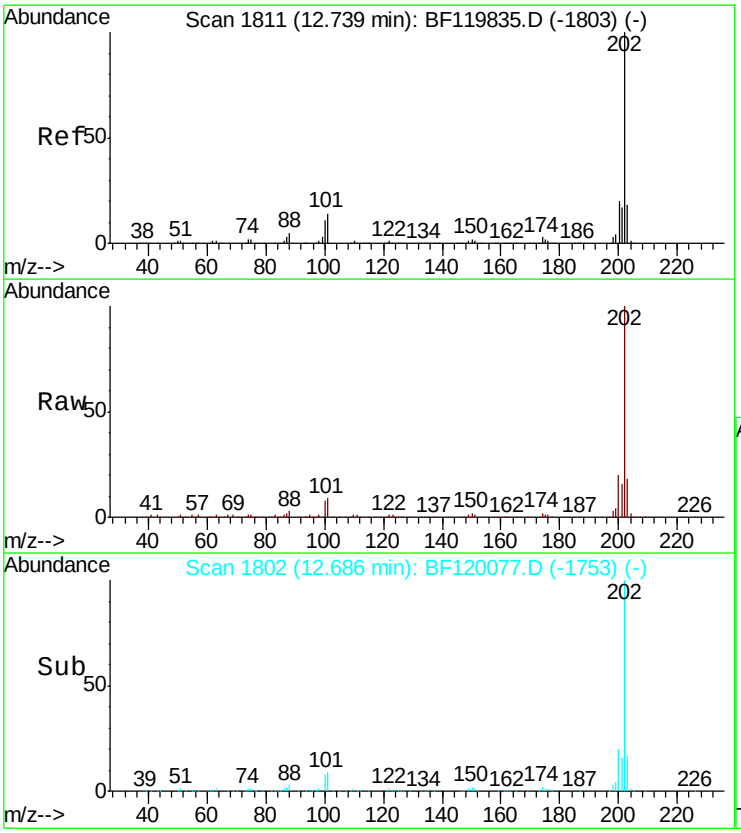
Tgt Ion:240 Resp: 396176

Ion	Ratio	Lower	Upper
240	100		
120	9.9	9.0	13.6
236	25.5	20.7	31.1



Instrument :
BNA_F
ClientSampleId :
B-1RE

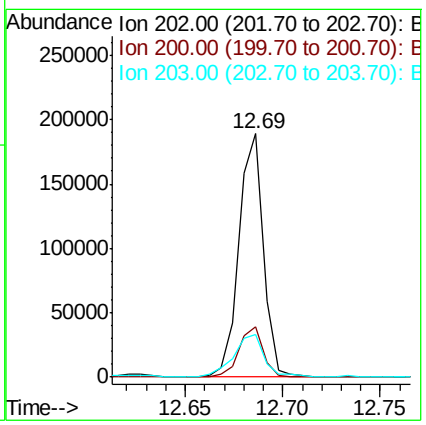
Manual Integrations APPROVED
mohammad
4/21/2020 2:54:38 PM

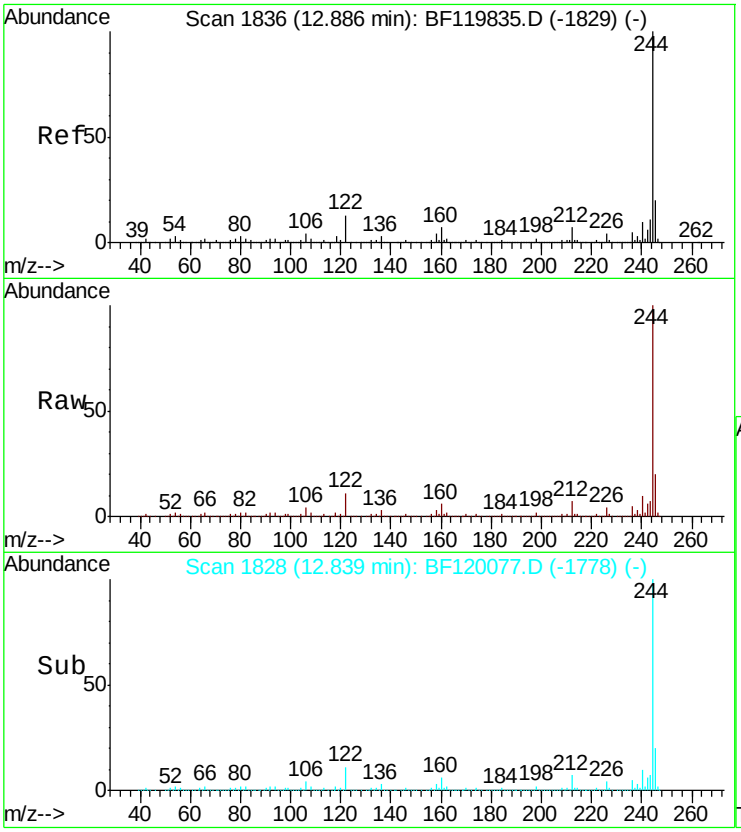


#78
Pyrene
Concen: 4.914 ng
RT: 12.69 min Scan# 1802
Delta R.T. -0.01 min
Lab File: BF120077.D
Acq: 20 Apr 2020 15:02

Tgt Ion:202 Resp: 164116

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.2	24.2
203	17.6	14.1	21.1

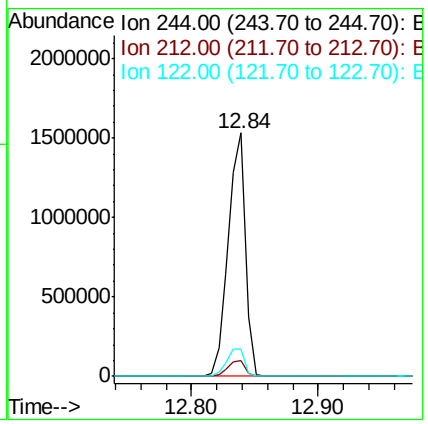




#79
Terphenyl-d14
Concen: 60.718 ng
RT: 12.84 min Scan# 1828
Delta R.T. -0.01 min
Lab File: BF120077.D
Acq: 20 Apr 2020 15:02

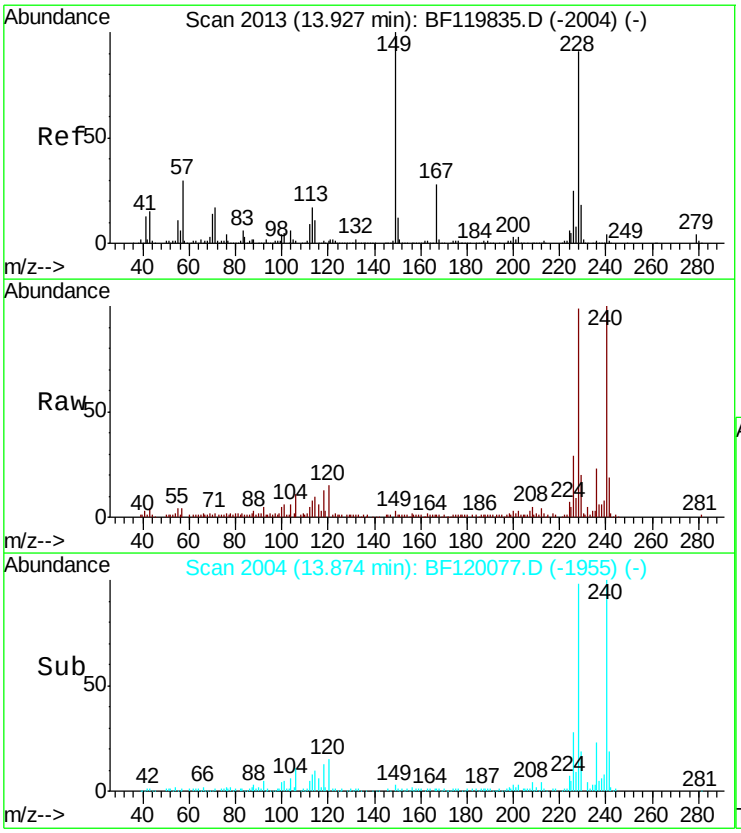
Tgt Ion:244 Resp: 1429579

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	11.2	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
B-1RE

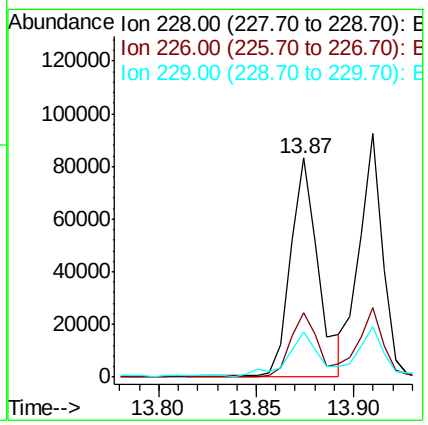
Manual Integrations APPROVED
mohammad
4/21/2020 2:54:38 PM

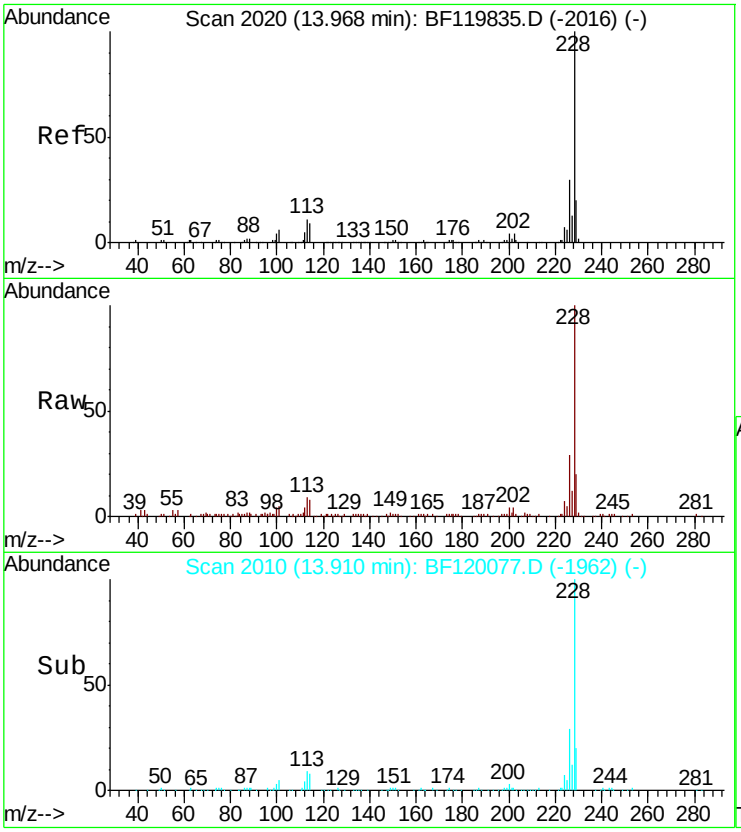


#81
Benzo(a)anthracene
Concen: 3.188 ng
RT: 13.87 min Scan# 2004
Delta R.T. -0.01 min
Lab File: BF120077.D
Acq: 20 Apr 2020 15:02

Tgt Ion:228 Resp: 83091

Ion	Ratio	Lower	Upper
228	100		
226	29.5	21.9	32.9
229	20.4	15.9	23.9

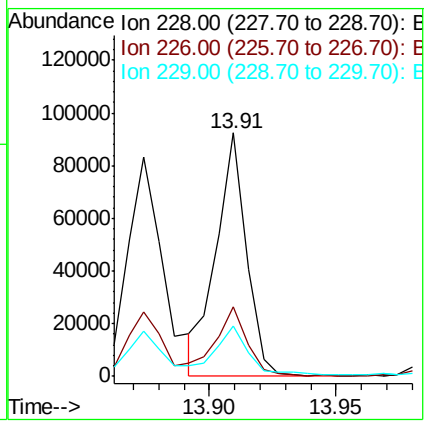




#83
Chrysene
Concen: 2.919 ng
RT: 13.91 min Scan# 2010
Delta R.T. -0.02 min
Lab File: BF120077.D
Acq: 20 Apr 2020 15:02

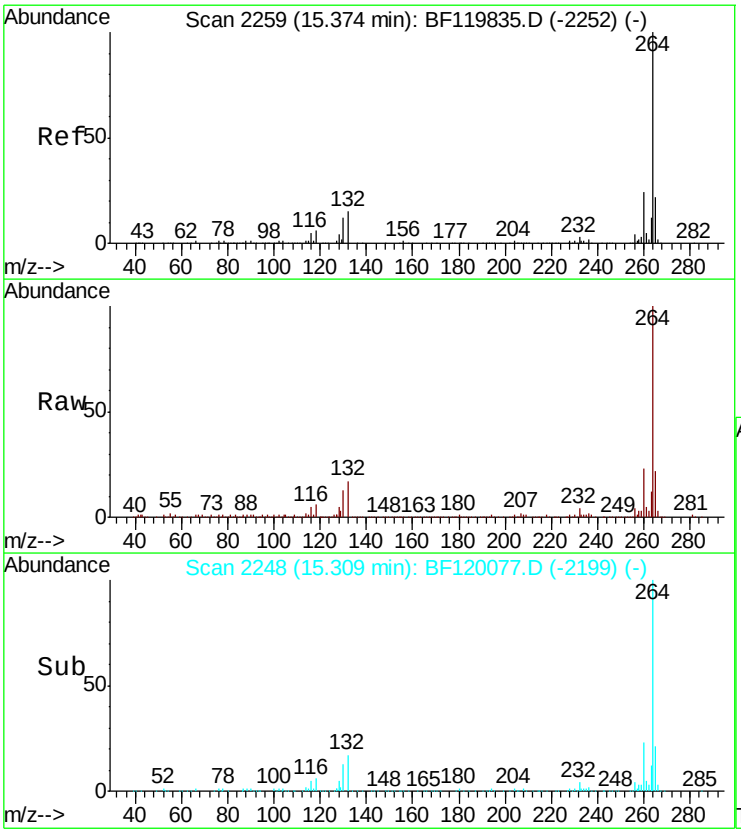
Tgt Ion:228 Resp: 77301

Ion	Ratio	Lower	Upper
228	100		
226	28.7	24.2	36.2
229	20.4	15.9	23.9



Instrument :
BNA_F
ClientSampleId :
B-1RE

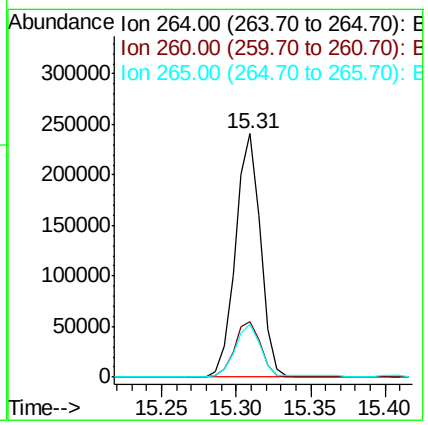
Manual Integrations APPROVED
mohammad
4/21/2020 2:54:38 PM

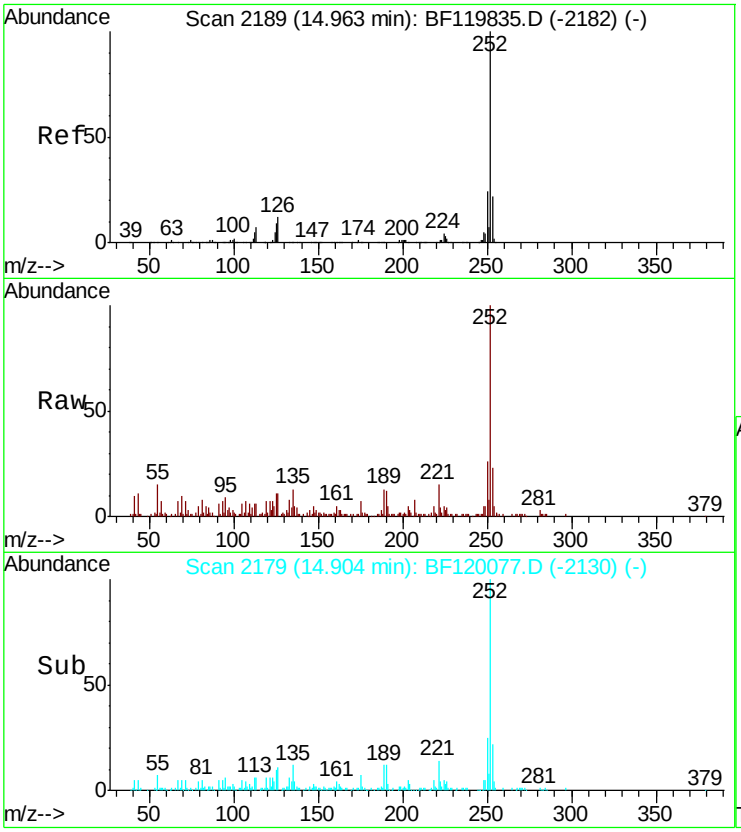


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.31 min Scan# 2248
Delta R.T. -0.01 min
Lab File: BF120077.D
Acq: 20 Apr 2020 15:02

Tgt Ion:264 Resp: 282691

Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.3	28.9
265	21.6	17.6	26.4

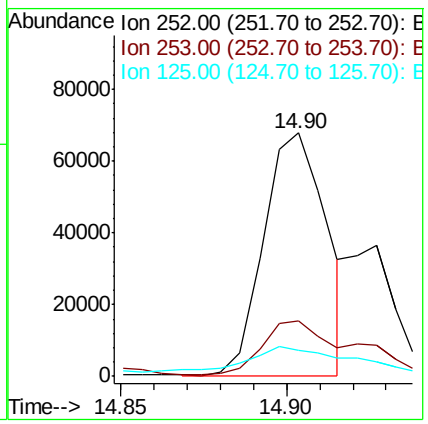




#88
Benzo(b)fluoranthene
Concen: 4.453 ng m
RT: 14.90 min Scan# 2179
Delta R.T. -0.01 min
Lab File: BF120077.D
Acq: 20 Apr 2020 15:02

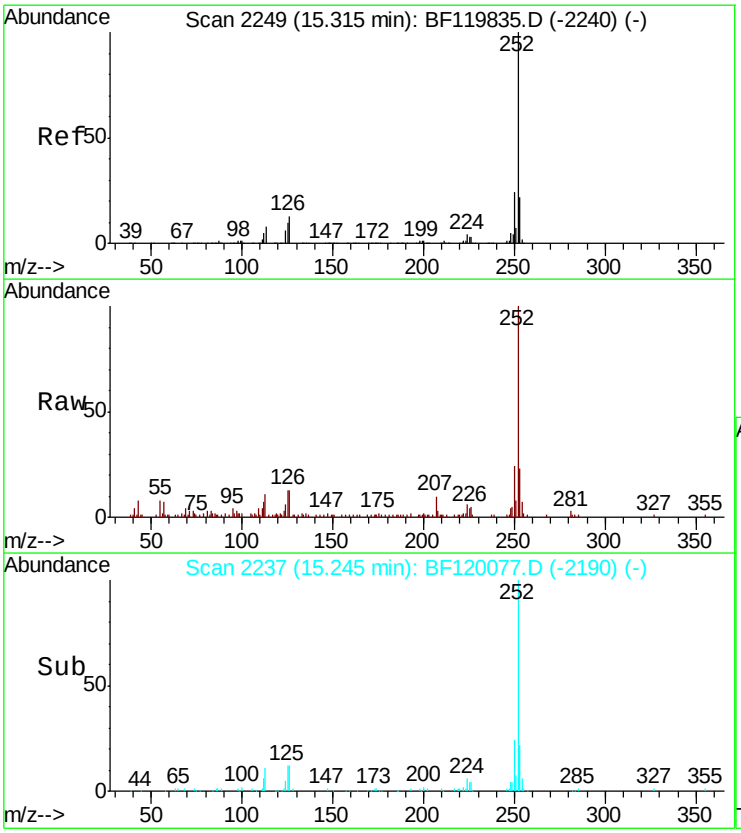
Tgt Ion:252 Resp: 90558

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.7	26.5
125	10.8	7.4	11.2



Instrument :
BNA_F
ClientSampleId :
B-1RE

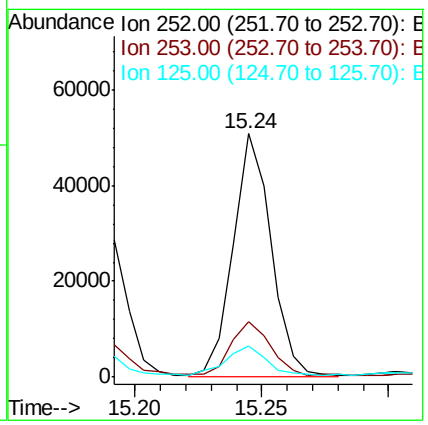
Manual Integrations APPROVED
mohammad
4/21/2020 2:54:38 PM

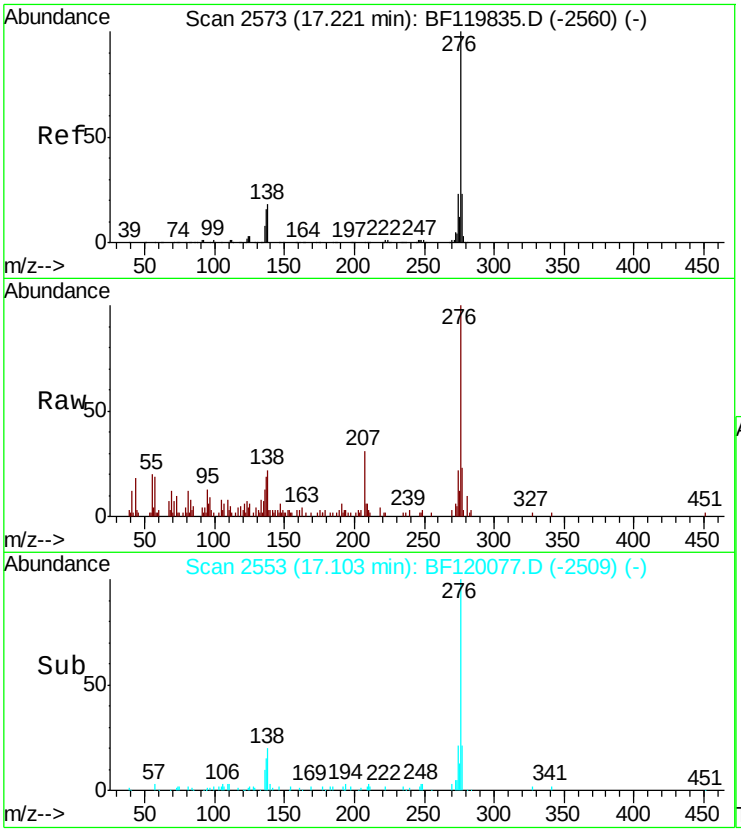


#90
Benzo(a)pyrene
Concen: 3.119 ng
RT: 15.24 min Scan# 2237
Delta R.T. -0.02 min
Lab File: BF120077.D
Acq: 20 Apr 2020 15:02

Tgt Ion:252 Resp: 53322

Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.4	26.2
125	12.9	8.3	12.5#

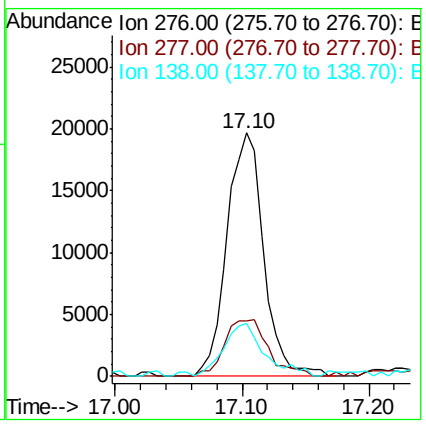




#92
Benzo(g,h,i)perylene
Concen: 2.629 ng
RT: 17.10 min Scan# 2553
Delta R.T. -0.04 min
Lab File: BF120077.D
Acq: 20 Apr 2020 15:02

Tgt Ion:276 Resp: 39311

Ion	Ratio	Lower	Upper
276	100		
277	23.0	18.5	27.7
138	21.5	14.6	22.0



Instrument :
BNA_F
ClientSampleId :
B-1RE

Manual Integrations APPROVED
mohammad
4/21/2020 2:54:38 PM