Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112519\
Data File : BF117991.D
Acq On : 26 Nov 2019 3:08
Operator : JU
Sample : K5663-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : AU-06-112219

Manual Integrations APPROVED
mohammad
11/26/2019 12:49:27 PM

Quant Time: Nov 26 06:00:28 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 26 05:38:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	171157	20.00	ng		0.00
21) Naphthalene-d8	8.18	136	633909	20.00	ng		0.00
39) Acenaphthene-d10	9.94	164	297549	20.00	ng		0.00
64) Phenanthrene-d10	11.43	188	438676	20.00	ng		0.00
76) Chrysene-d12	14.09	240	262708	20.00	ng		0.00
87) Perylene-d12	15.59	264	346358	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.50	112	400921	41.46	ng		0.00
7) Phenol-d6	6.51	99	541178	46.40	ng		-0.01
23) Nitrobenzene-d5	7.45	82	313842	29.43	ng		-0.01
42) 2,4,6-Tribromophenol	10.73	330	120102	38.13	ng		-0.01
45) 2-Fluorobiphenyl	9.26	172	626719	37.79	ng		0.00
79) Terphenyl-d14	13.02	244	475906	33.11	ng		0.00
Target Compounds							Qvalue
50) Dimethylphthalate	9.65	163	99321	4.760	ng		98
52) Acenaphthene	9.97	154	38898	2.293	ng		98
58) Fluorene	10.49	166	52462	2.882	ng		96
71) Phenanthrene	11.46	178	596677	27.054	ng		97
72) Anthracene	11.51	178	178671	8.171	ng		95
73) Carbazole	11.66	167	62134	3.252	ng		98
75) Fluoranthene	12.65	202	928796	46.495	ng		99
78) Pyrene	12.88	202	823016	38.765	ng		99
81) Benzo(a)anthracene	14.07	228	346476	19.958	ng		99
83) Chrysene	14.11	228	309520	18.400	ng		98
86) Indeno(1,2,3-cd)pyrene	17.10	276	141271	9.867	ng	#	93
88) Benzo(b)fluoranthene	15.14	252	398839m	17.724	ng		
89) Benzo(k)fluoranthene	15.17	252	168598m	7.952	ng		
90) Benzo(a)pyrene	15.52	252	317373	16.039	ng		99
91) Dibenzo(a,h)anthracene	17.12	278	36928	2.168	ng	#	90
92) Benzo(g,h,i)perylene	17.57	276	159195	9.384	ng		99

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

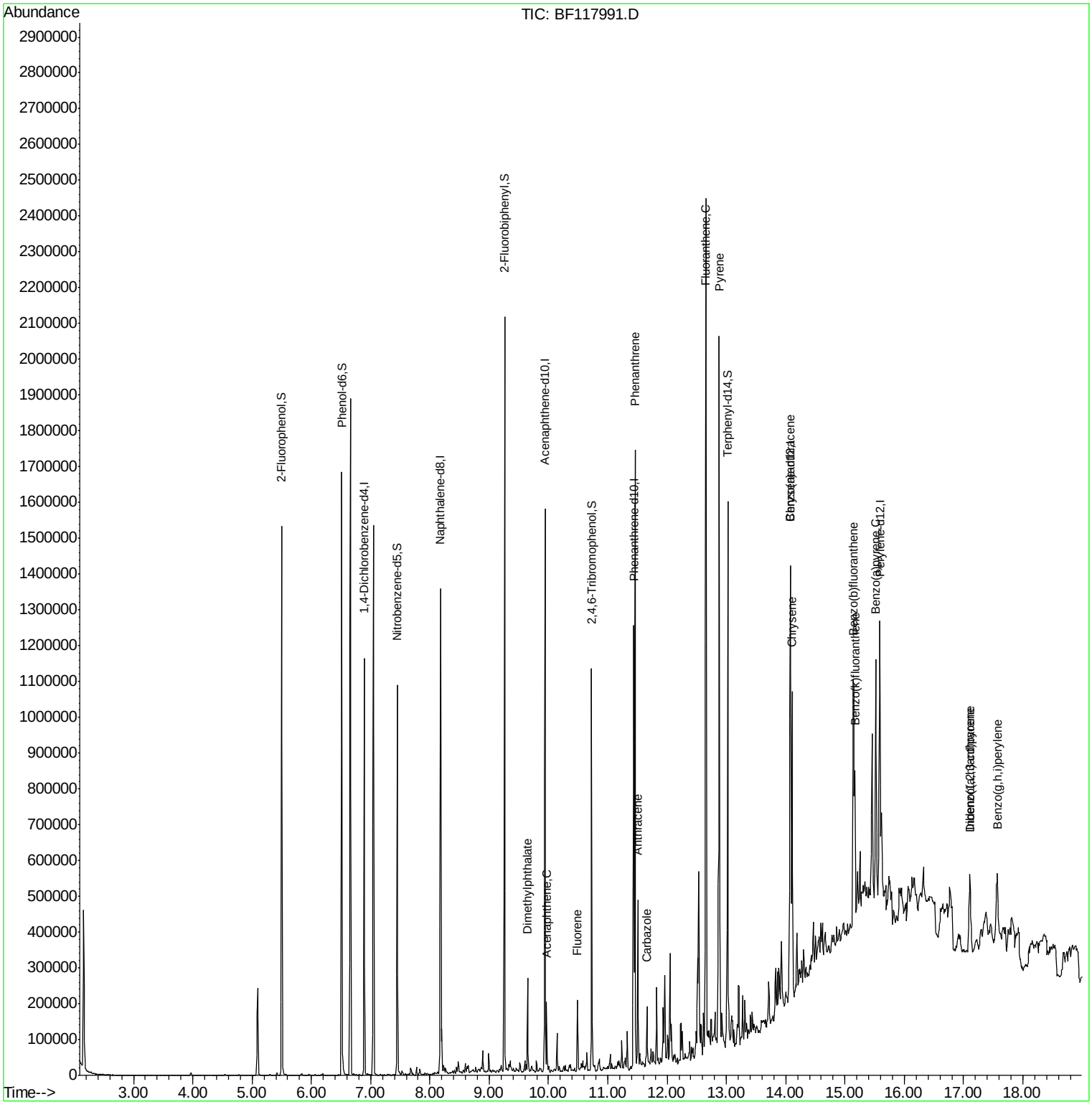
Quantitation Report (QT/LSC Reviewed)

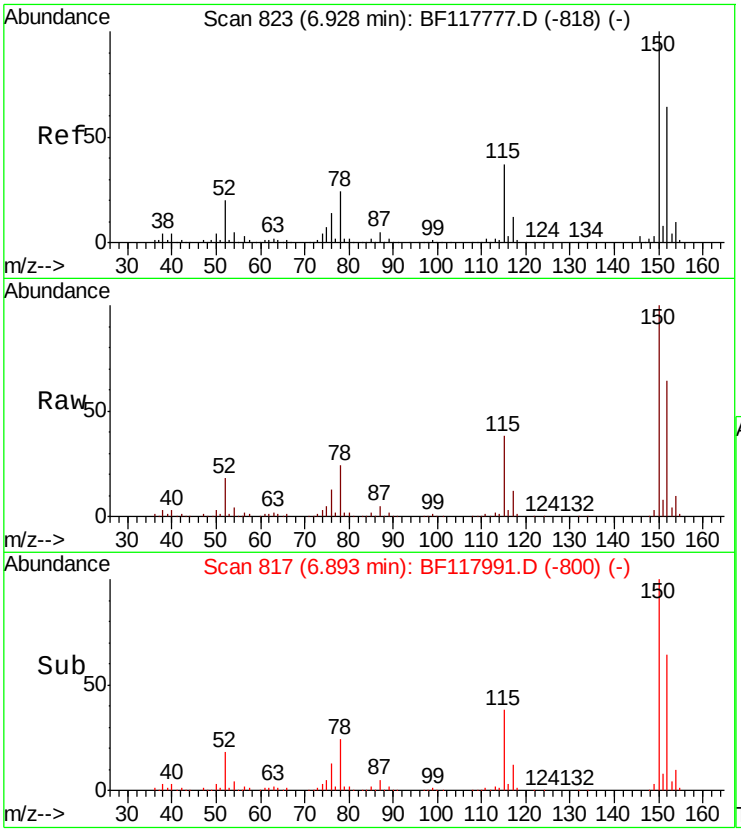
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112519\
Data File : BF117991.D
Acq On : 26 Nov 2019 3:08
Operator : JU
Sample : K5663-01 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 26 06:00:28 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 26 05:38:20 2019
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
AU-06-112219

Manual Integrations APPROVED
mohammad
11/26/2019 12:49:27 PM

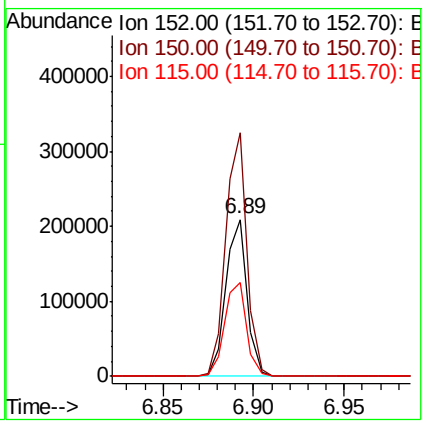




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. 0.00 min
Lab File: BF117991.D
Acq: 26 Nov 2019 3:08

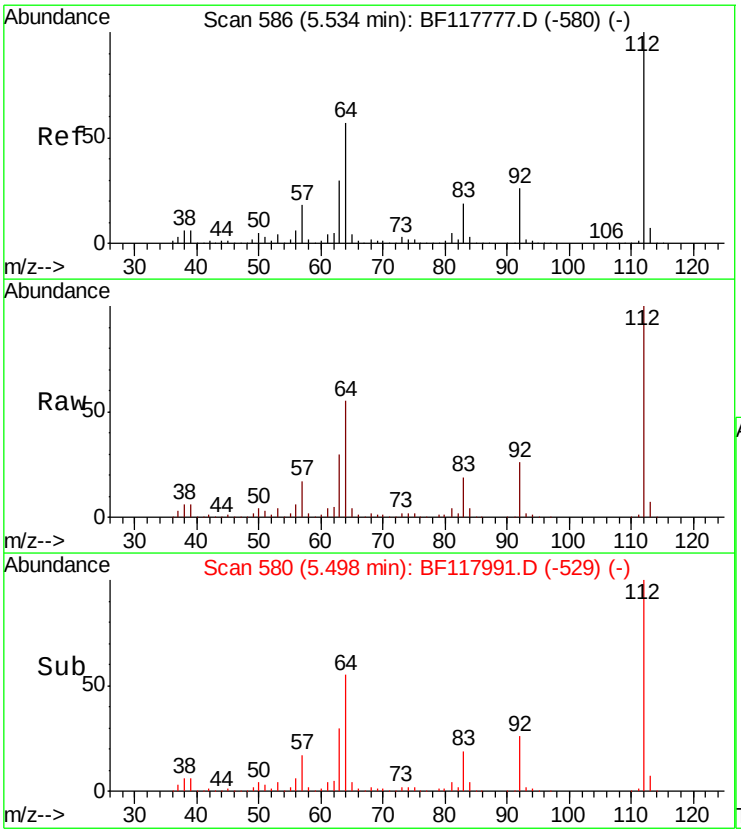
Tgt Ion:152 Resp: 171157

Ion	Ratio	Lower	Upper
152	100		
150	155.4	125.3	187.9
115	59.7	47.0	70.4



Instrument :
BNA_F
ClientSampleId :
AU-06-112219

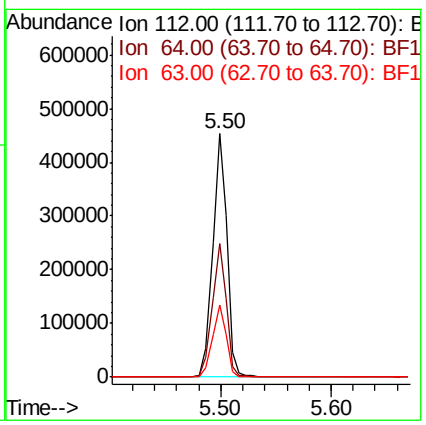
Manual Integrations APPROVED
mohammad
11/26/2019 12:49:27 PM

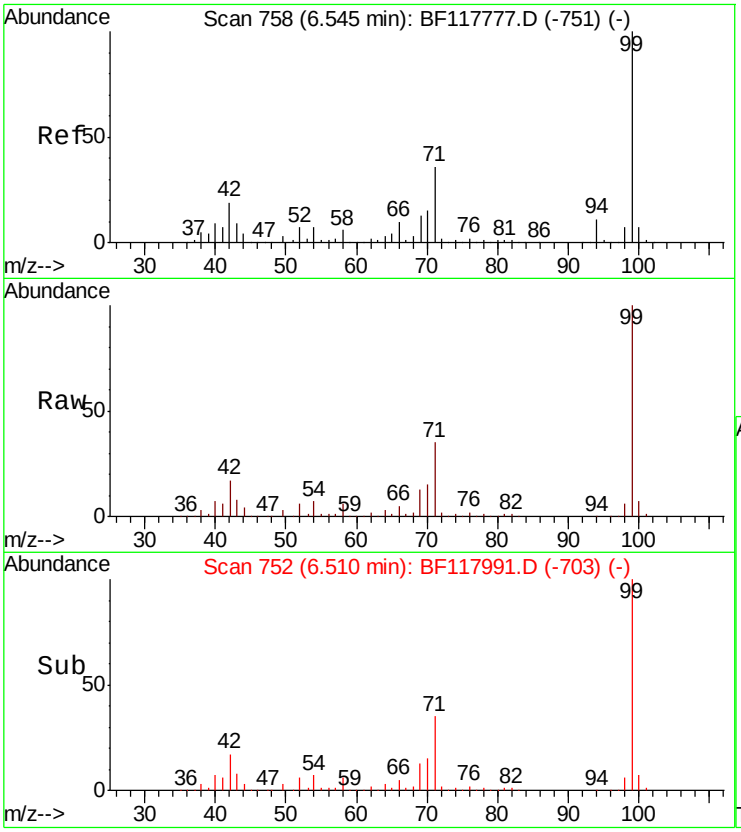


#5
2-Fluorophenol
Concen: 41.463 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.00 min
Lab File: BF117991.D
Acq: 26 Nov 2019 3:08

Tgt Ion:112 Resp: 400921

Ion	Ratio	Lower	Upper
112	100		
64	55.0	45.6	68.4
63	29.6	24.1	36.1

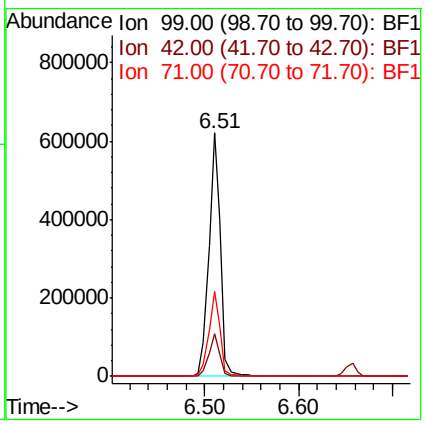




#7
Phenol-d6
Concen: 46.402 ng
RT: 6.51 min Scan# 752
Delta R.T. -0.01 min
Lab File: BF117991.D
Acq: 26 Nov 2019 3:08

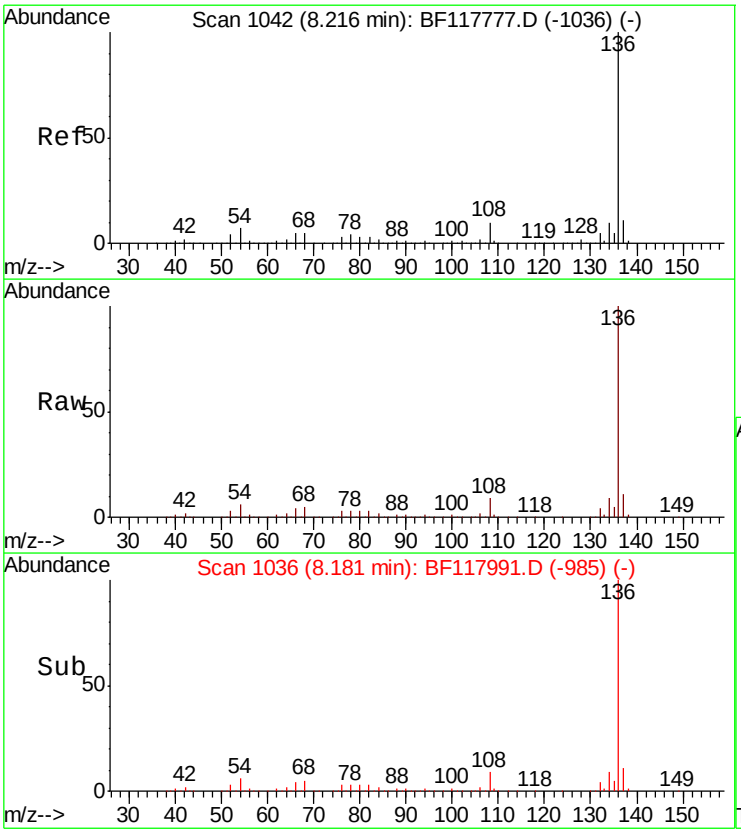
Tgt Ion: 99 Resp: 541178

Ion	Ratio	Lower	Upper
99	100		
42	17.4	14.9	22.3
71	35.1	28.6	43.0



Instrument :
BNA_F
ClientSampleId :
AU-06-112219

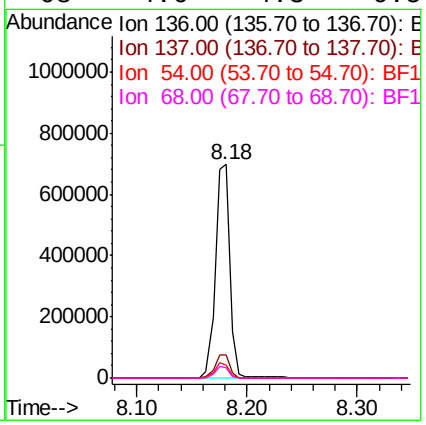
Manual Integrations APPROVED
mohammad
11/26/2019 12:49:27 PM

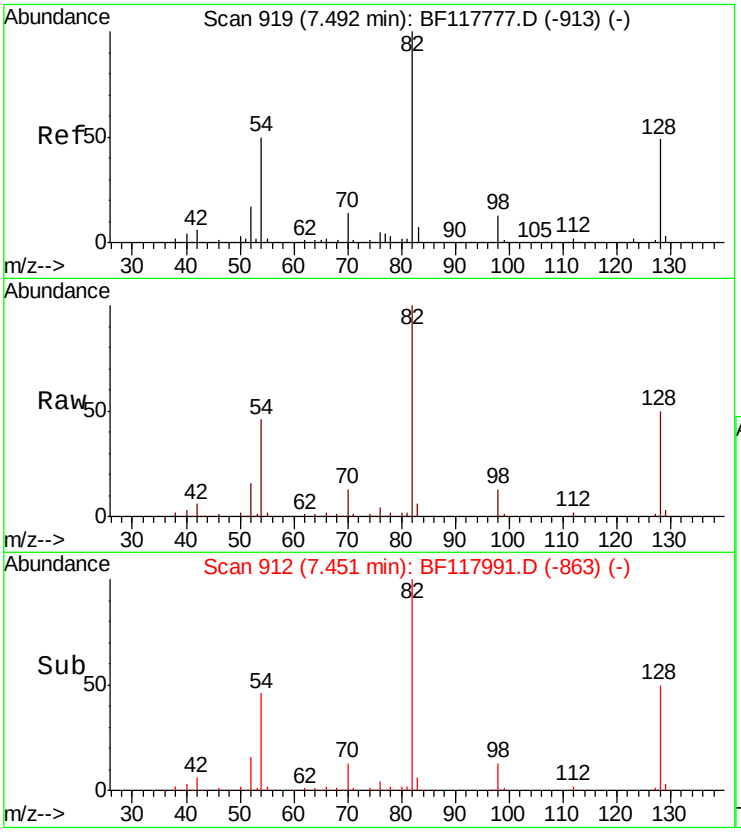


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. 0.00 min
Lab File: BF117991.D
Acq: 26 Nov 2019 3:08

Tgt Ion:136 Resp: 633909

Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.0	13.4
54	6.0	5.4	8.2
68	4.6	4.3	6.5

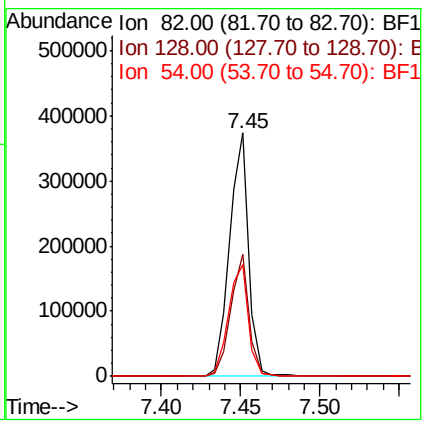




#23
Nitrobenzene-d5
Concen: 29.431 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF117991.D
Acq: 26 Nov 2019 3:08

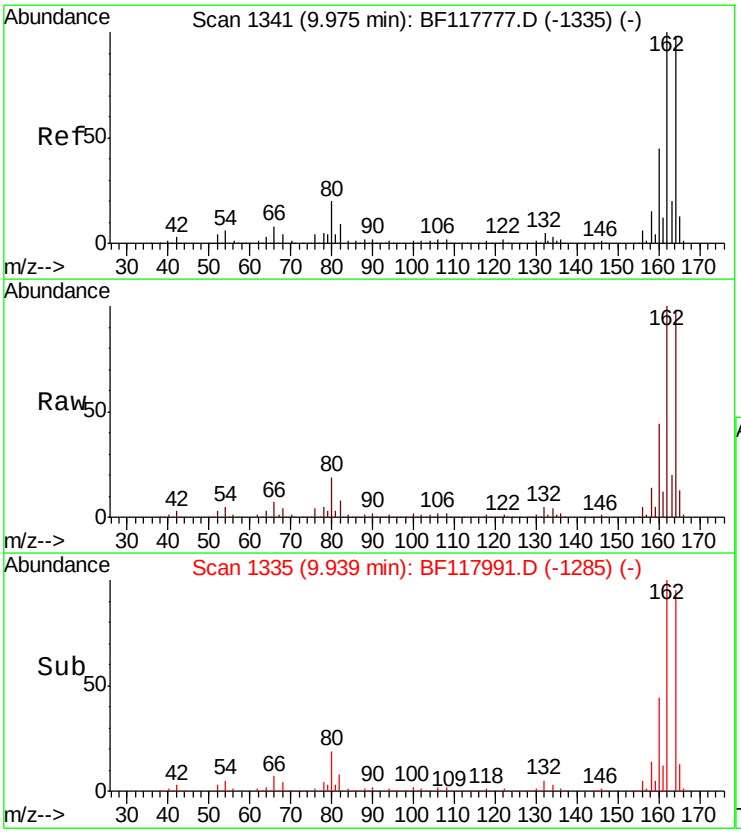
Tgt Ion: 82 Resp: 313842

Ion	Ratio	Lower	Upper
82	100		
128	50.3	38.9	58.3
54	46.2	39.8	59.6



Instrument :
BNA_F
ClientSampleId :
AU-06-112219

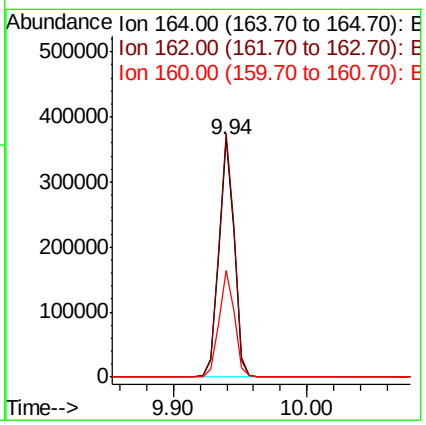
Manual Integrations APPROVED
mohammad
11/26/2019 12:49:27 PM

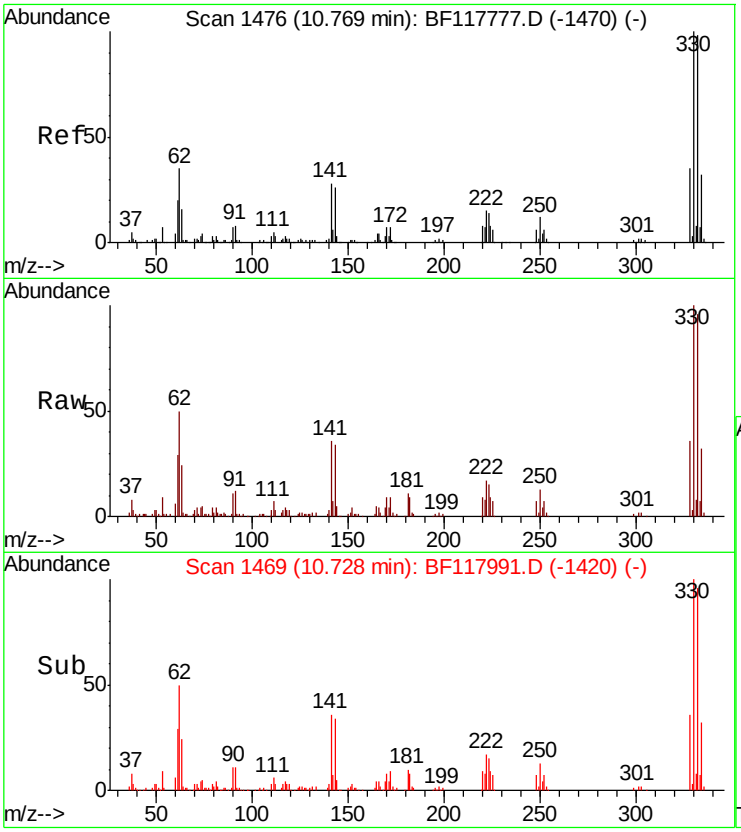


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF117991.D
Acq: 26 Nov 2019 3:08

Tgt Ion:164 Resp: 297549

Ion	Ratio	Lower	Upper
164	100		
162	102.2	81.3	121.9
160	44.5	36.6	55.0

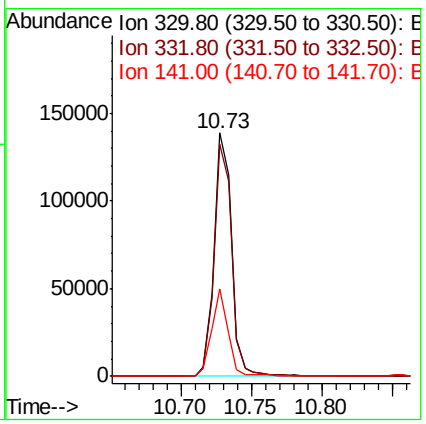




#42
2,4,6-Tribromophenol
Concen: 38.126 ng
RT: 10.73 min Scan# 1469
Delta R.T. -0.01 min
Lab File: BF117991.D
Acq: 26 Nov 2019 3:08

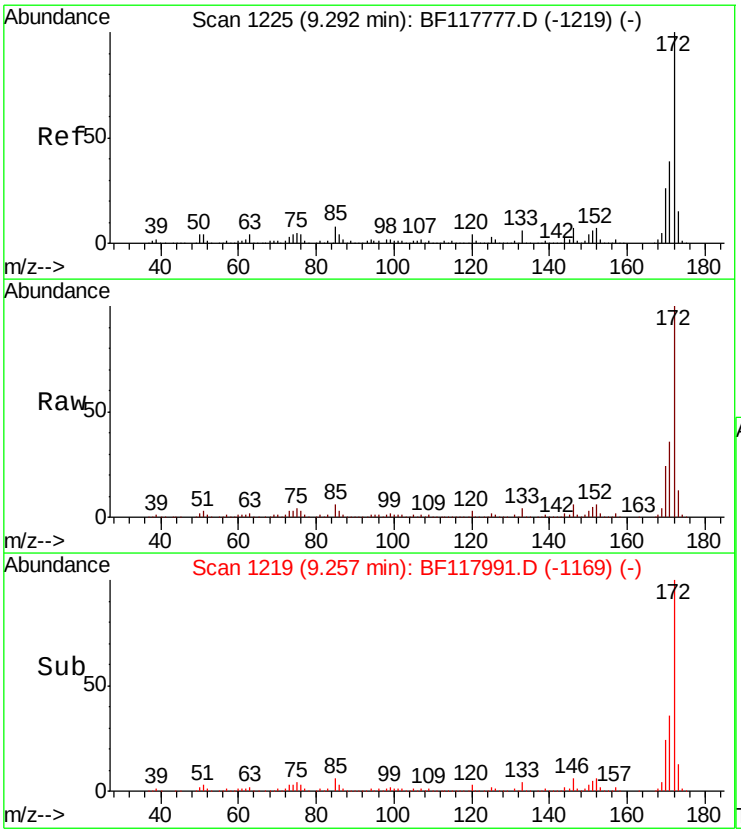
Tgt Ion:330 Resp: 120102

Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.7	115.1
141	34.2	27.7	41.5



Instrument :
BNA_F
ClientSampleId :
AU-06-112219

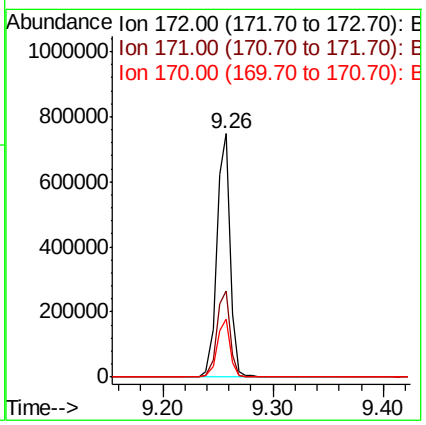
Manual Integrations APPROVED
mohammad
11/26/2019 12:49:27 PM

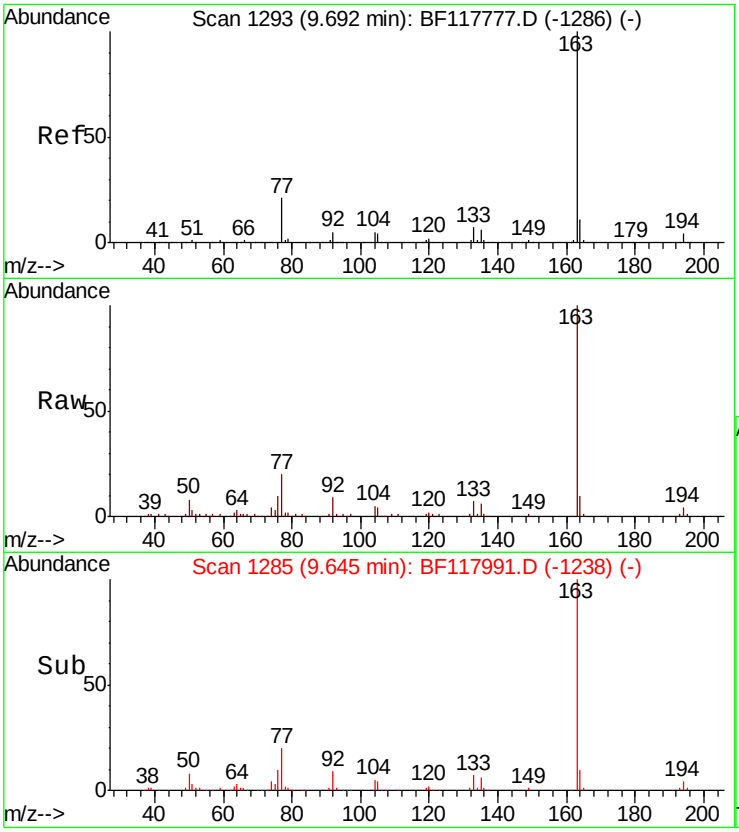


#45
2-Fluorobiphenyl
Concen: 37.787 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.01 min
Lab File: BF117991.D
Acq: 26 Nov 2019 3:08

Tgt Ion:172 Resp: 626719

Ion	Ratio	Lower	Upper
172	100		
171	35.5	30.9	46.3
170	23.9	21.0	31.4

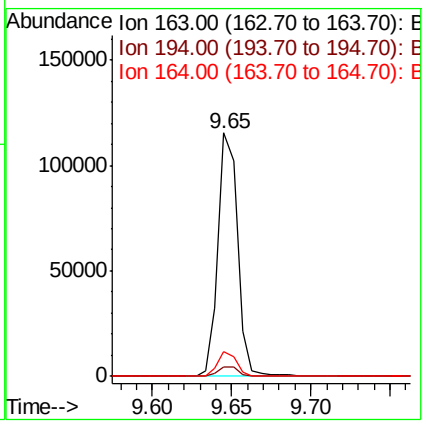




#50
Dimethylphthalate
Concen: 4.760 ng
RT: 9.65 min Scan# 1285
Delta R.T. -0.02 min
Lab File: BF117991.D
Acq: 26 Nov 2019 3:08

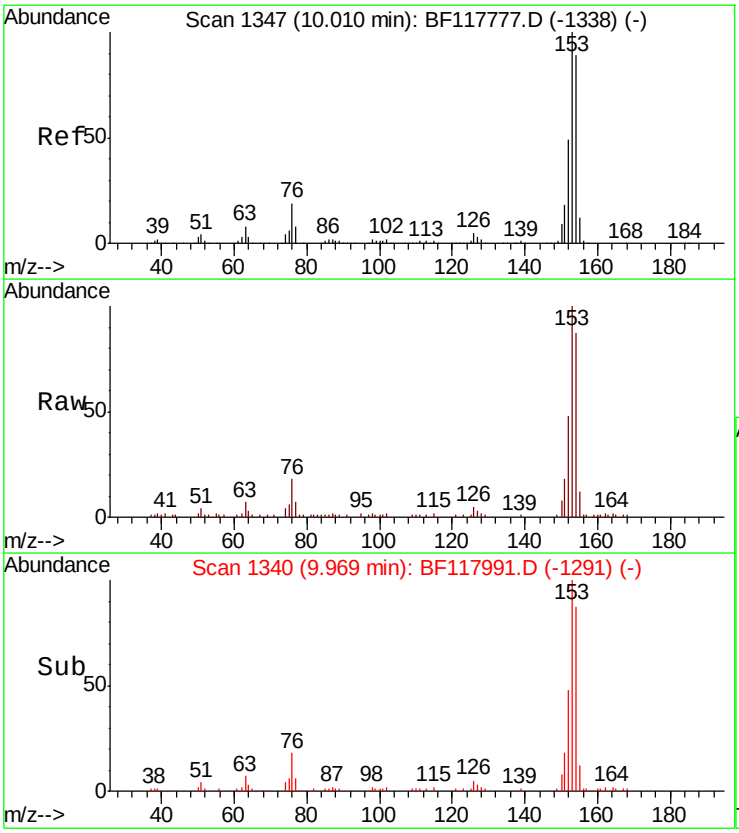
Tgt Ion:163 Resp: 99321

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.3	4.9
164	10.2	8.7	13.1



Instrument :
BNA_F
ClientSampleId :
AU-06-112219

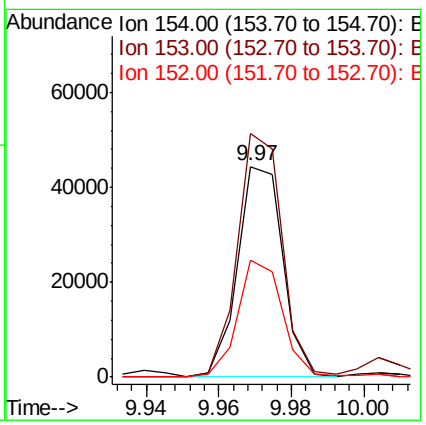
Manual Integrations APPROVED
mohammad
11/26/2019 12:49:27 PM

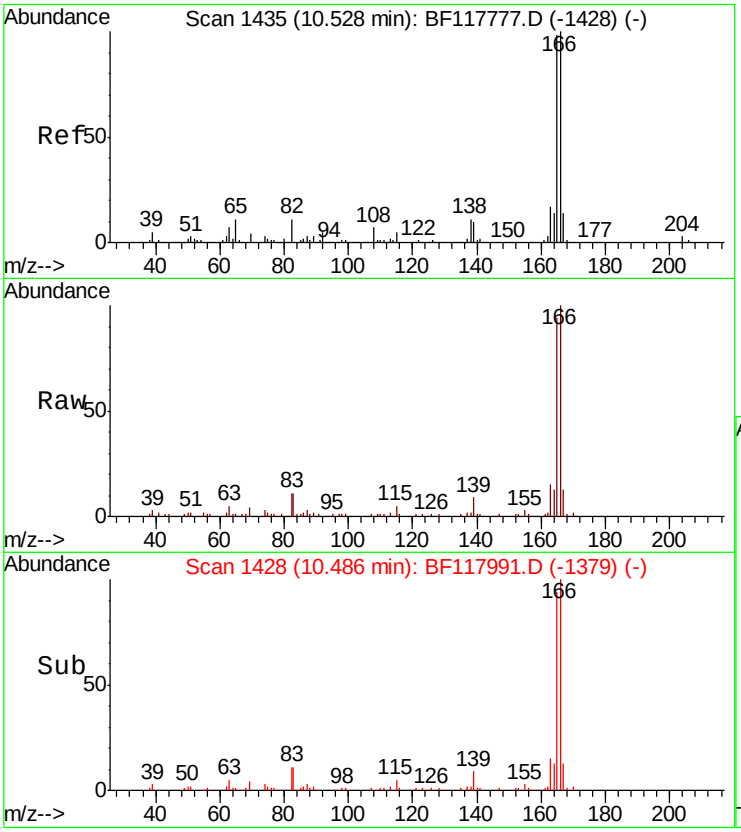


#52
Acenaphthene
Concen: 2.293 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.01 min
Lab File: BF117991.D
Acq: 26 Nov 2019 3:08

Tgt Ion:154 Resp: 38898

Ion	Ratio	Lower	Upper
154	100		
153	115.5	90.1	135.1
152	55.4	44.0	66.0

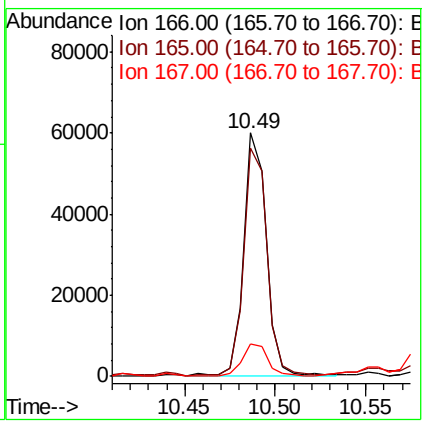




#58
Fluorene
Concen: 2.882 ng
RT: 10.49 min Scan# 1428
Delta R.T. -0.01 min
Lab File: BF117991.D
Acq: 26 Nov 2019 3:08

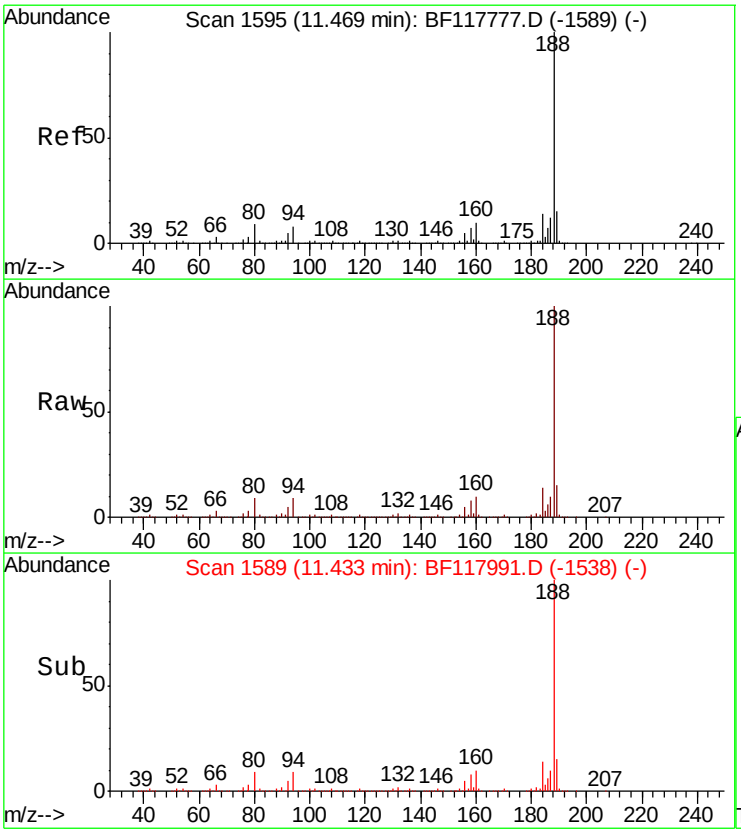
Tgt Ion:166 Resp: 52462

Ion	Ratio	Lower	Upper
166	100		
165	93.6	78.4	117.6
167	13.3	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
AU-06-112219

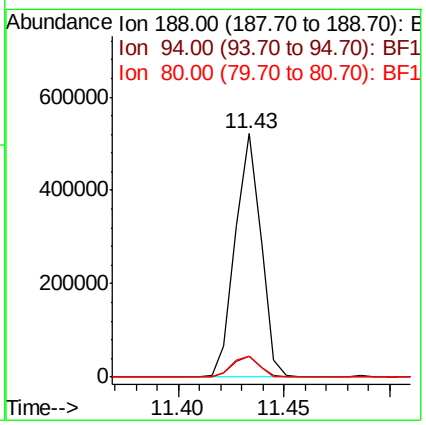
Manual Integrations APPROVED
mohammad
11/26/2019 12:49:27 PM

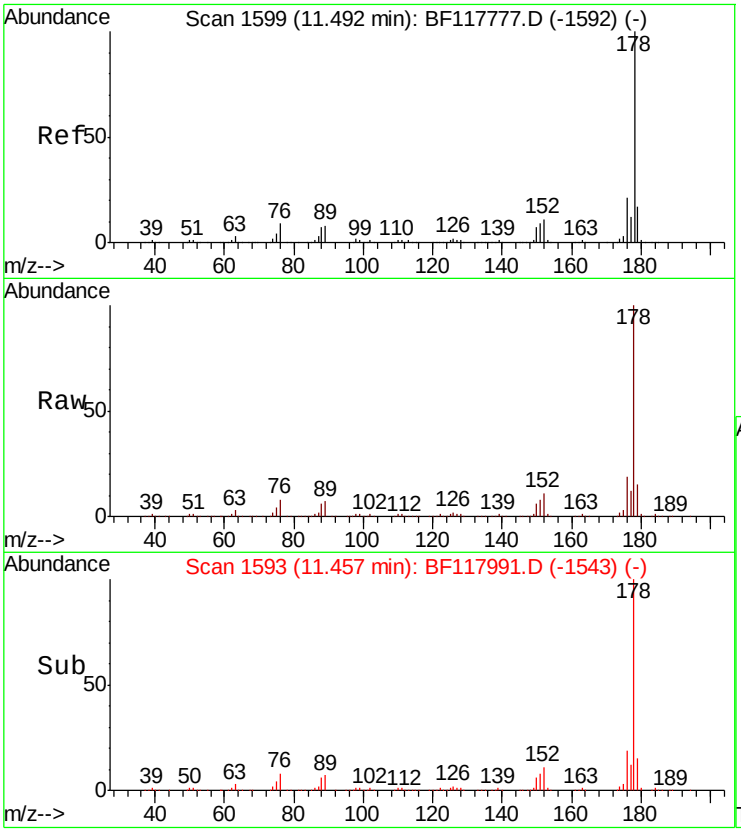


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.43 min Scan# 1589
Delta R.T. 0.00 min
Lab File: BF117991.D
Acq: 26 Nov 2019 3:08

Tgt Ion:188 Resp: 438676

Ion	Ratio	Lower	Upper
188	100		
94	8.5	6.6	10.0
80	8.7	7.2	10.8

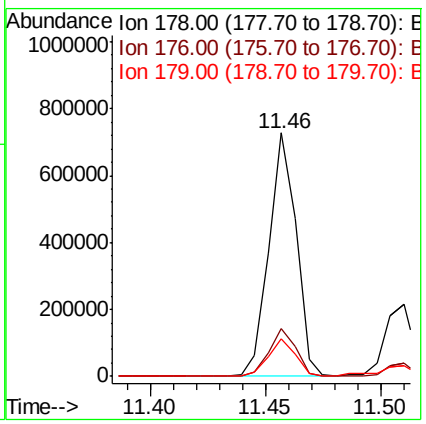




#71
Phenanthrene
Concen: 27.054 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF117991.D
Acq: 26 Nov 2019 3:08

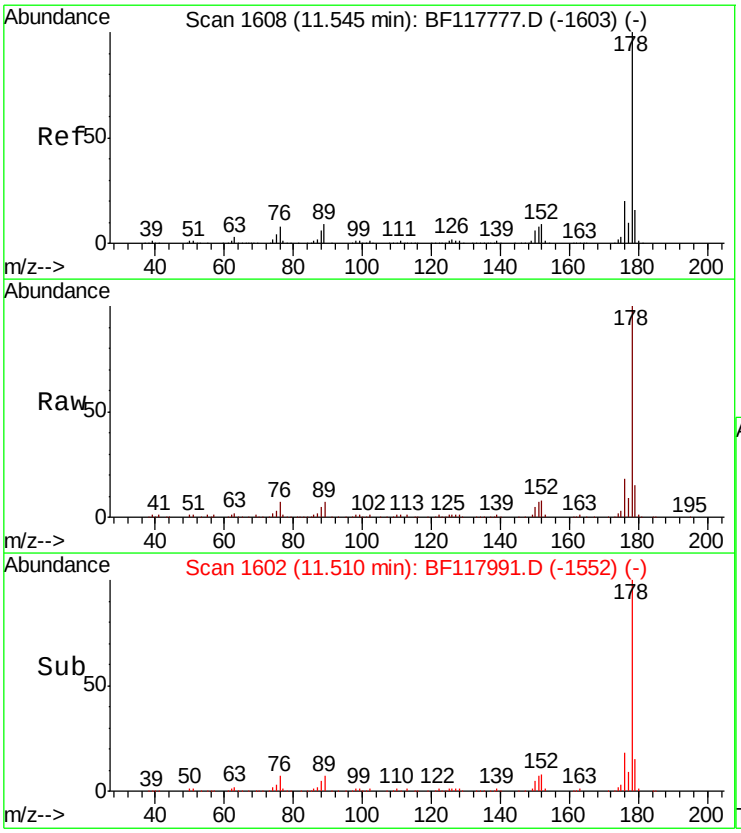
Tgt Ion:178 Resp: 596677

Ion	Ratio	Lower	Upper
178	100		
176	19.4	16.6	25.0
179	15.4	13.2	19.8



Instrument :
BNA_F
ClientSampleId :
AU-06-112219

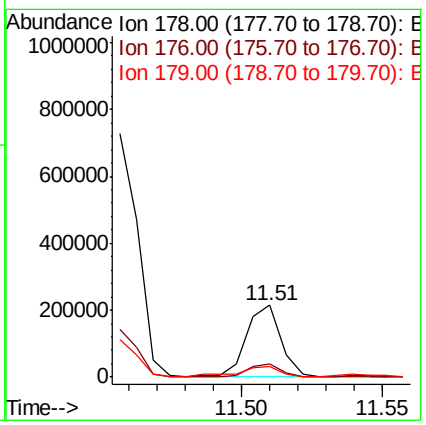
Manual Integrations APPROVED
mohammad
11/26/2019 12:49:27 PM

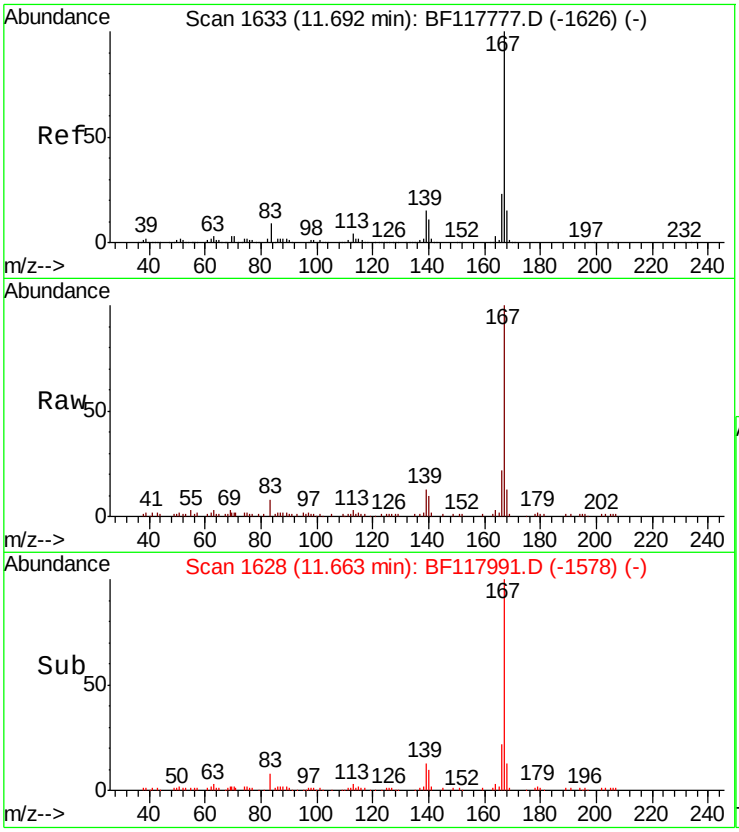


#72
Anthracene
Concen: 8.171 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.01 min
Lab File: BF117991.D
Acq: 26 Nov 2019 3:08

Tgt Ion:178 Resp: 178671

Ion	Ratio	Lower	Upper
178	100		
176	17.6	16.1	24.1
179	14.7	13.0	19.4

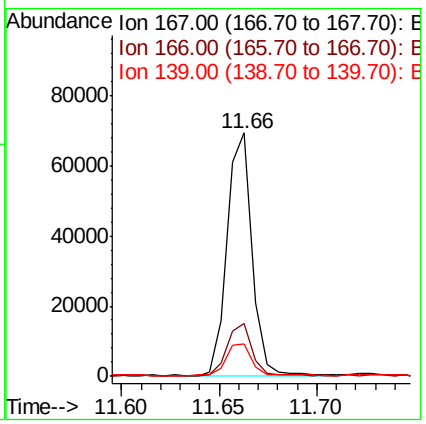




#73
Carbazole
Concen: 3.252 ng
RT: 11.66 min Scan# 1628
Delta R.T. -0.01 min
Lab File: BF117991.D
Acq: 26 Nov 2019 3:08

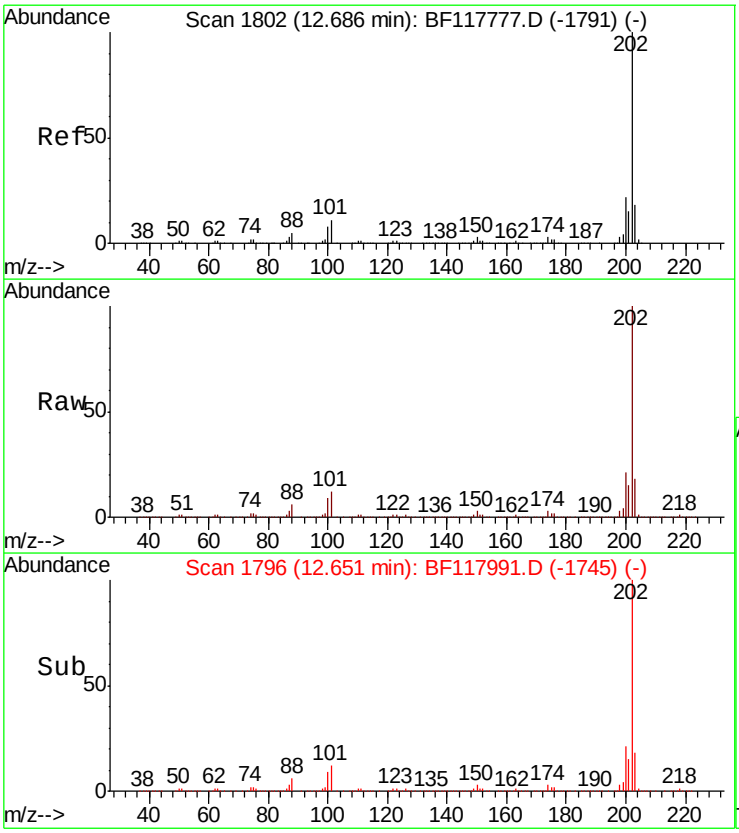
Tgt Ion:167 Resp: 62134

Ion	Ratio	Lower	Upper
167	100		
166	21.9	18.0	27.0
139	13.5	11.7	17.5



Instrument :
BNA_F
ClientSampleId :
AU-06-112219

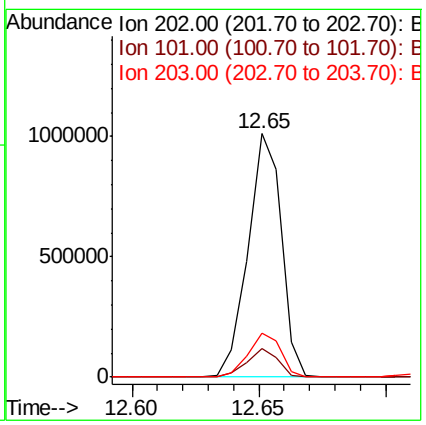
Manual Integrations APPROVED
mohammad
11/26/2019 12:49:27 PM

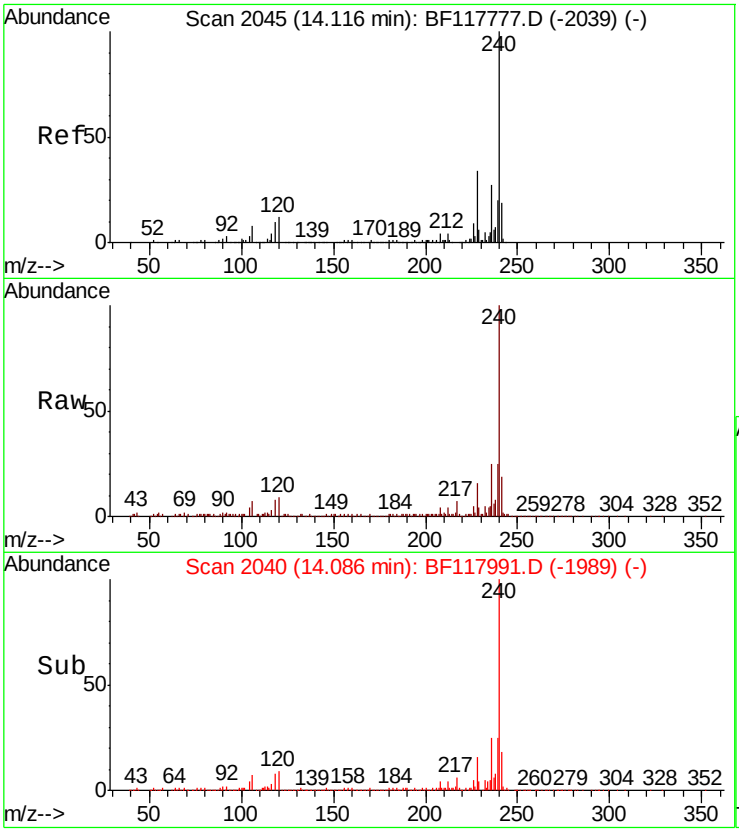


#75
Fluoranthene
Concen: 46.495 ng
RT: 12.65 min Scan# 1796
Delta R.T. 0.00 min
Lab File: BF117991.D
Acq: 26 Nov 2019 3:08

Tgt Ion:202 Resp: 928796

Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	31.1
203	17.9	0.0	38.2

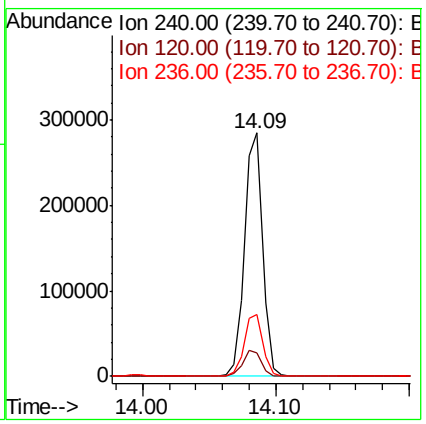




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.09 min Scan# 2040
Delta R.T. 0.00 min
Lab File: BF117991.D
Acq: 26 Nov 2019 3:08

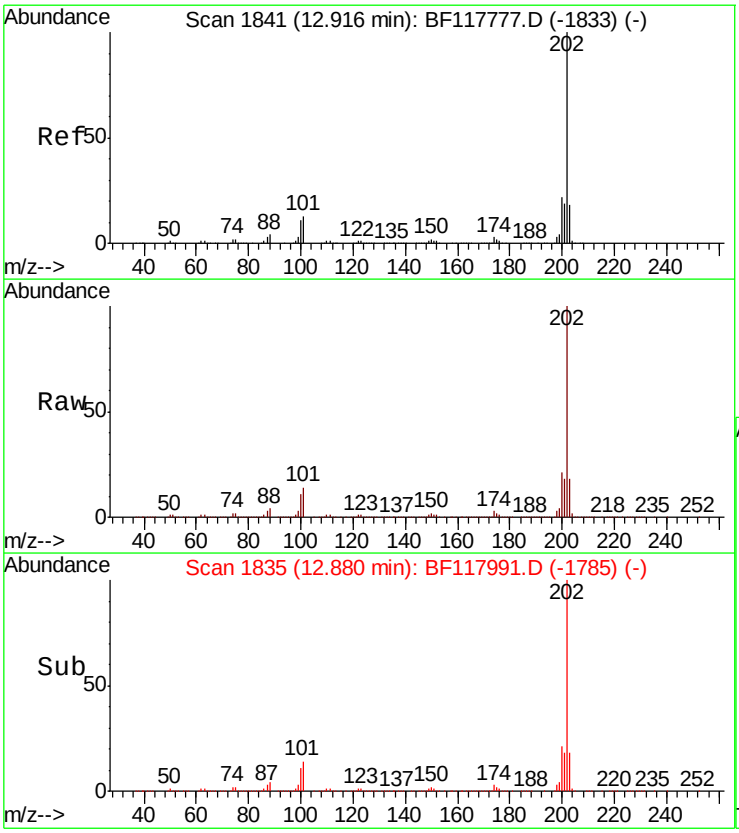
Tgt Ion:240 Resp: 262708

Ion	Ratio	Lower	Upper
240	100		
120	9.5	9.5	14.3#
236	25.3	21.3	31.9



Instrument :
BNA_F
ClientSampleId :
AU-06-112219

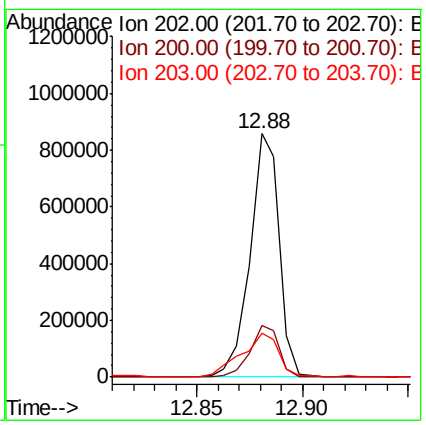
Manual Integrations APPROVED
mohammad
11/26/2019 12:49:27 PM

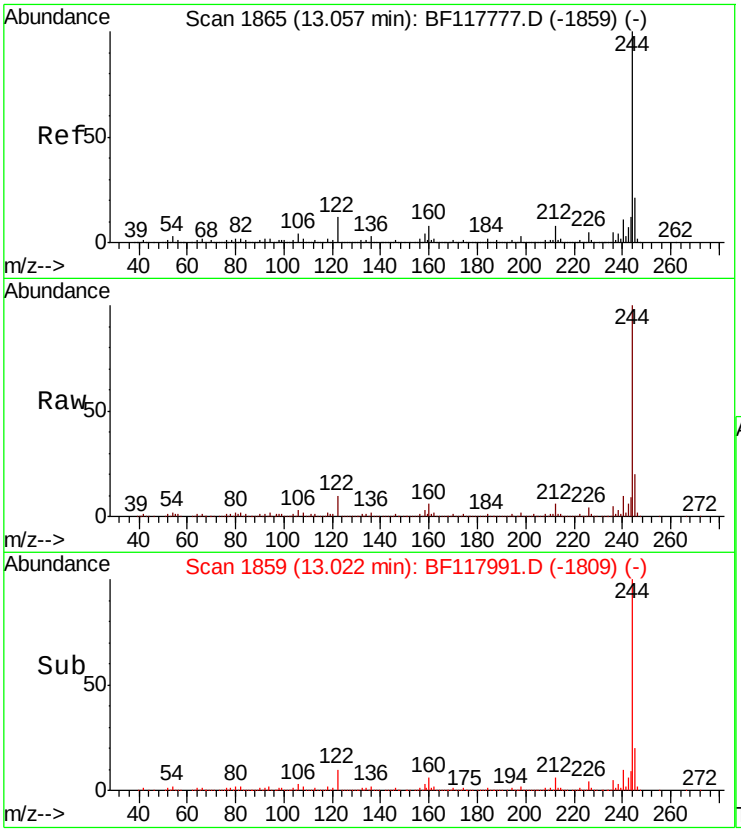


#78
Pyrene
Concen: 38.765 ng
RT: 12.88 min Scan# 1835
Delta R.T. -0.01 min
Lab File: BF117991.D
Acq: 26 Nov 2019 3:08

Tgt Ion:202 Resp: 823016

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.8	26.8
203	18.1	14.6	22.0

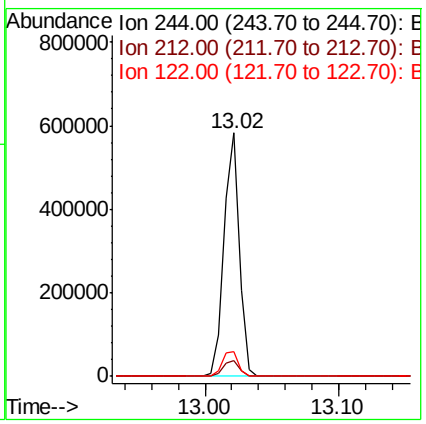




#79
Terphenyl-d14
Concen: 33.108 ng
RT: 13.02 min Scan# 1859
Delta R.T. -0.01 min
Lab File: BF117991.D
Acq: 26 Nov 2019 3:08

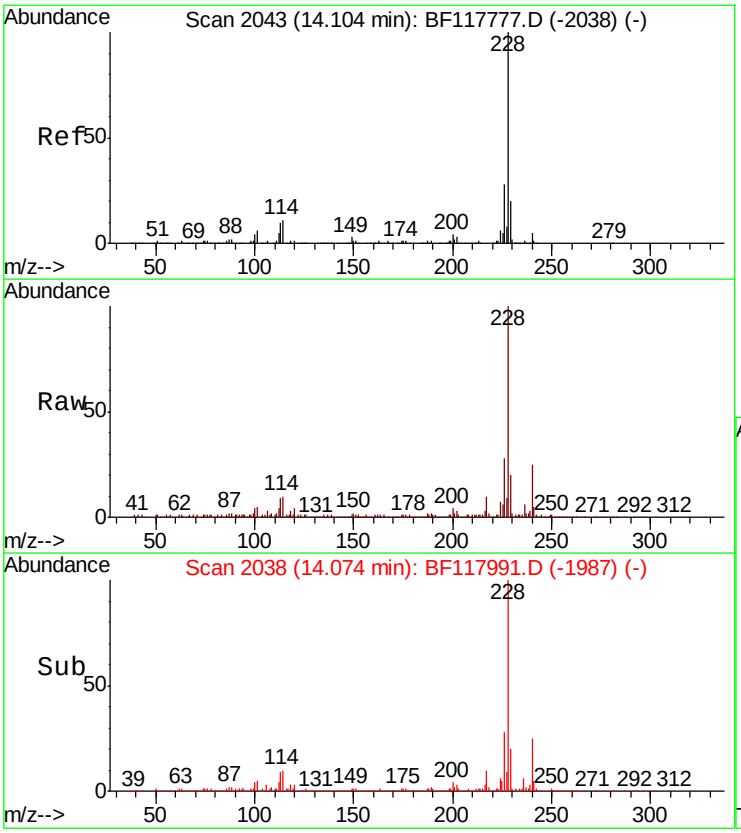
Tgt Ion:244 Resp: 475906

Ion	Ratio	Lower	Upper
244	100		
212	6.4	6.3	9.5
122	10.2	9.4	14.2



Instrument :
BNA_F
ClientSampleId :
AU-06-112219

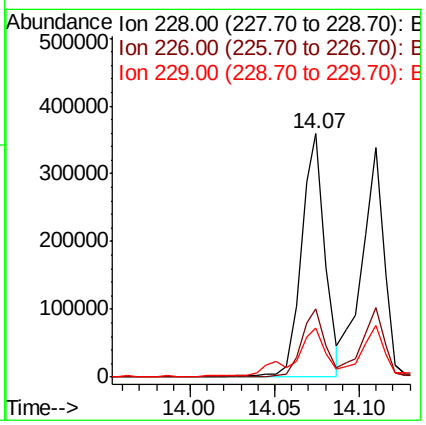
Manual Integrations APPROVED
mohammad
11/26/2019 12:49:27 PM

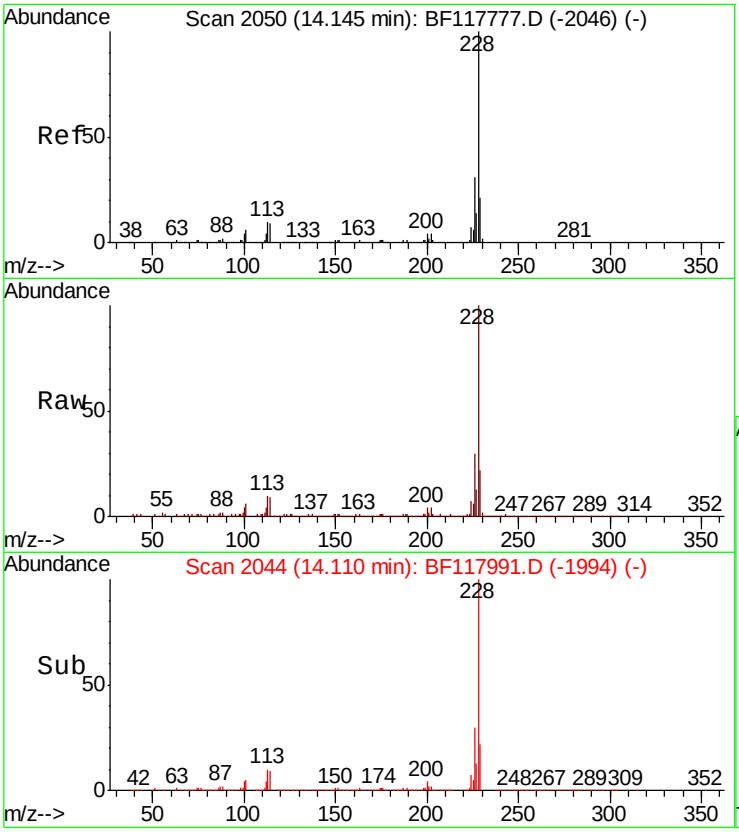


#81
Benzo(a)anthracene
Concen: 19.958 ng
RT: 14.07 min Scan# 2038
Delta R.T. 0.00 min
Lab File: BF117991.D
Acq: 26 Nov 2019 3:08

Tgt Ion:228 Resp: 346476

Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.2	33.2
229	20.4	15.9	23.9

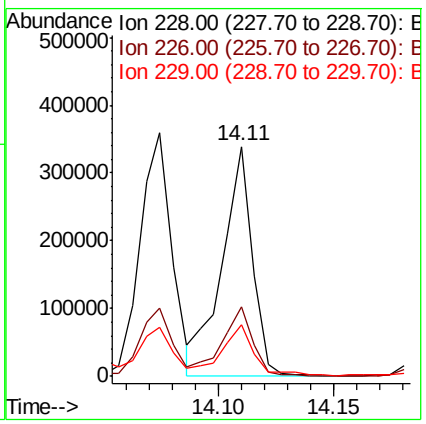




#83
Chrysene
Concen: 18.400 ng
RT: 14.11 min Scan# 2044
Delta R.T. -0.01 min
Lab File: BF117991.D
Acq: 26 Nov 2019 3:08

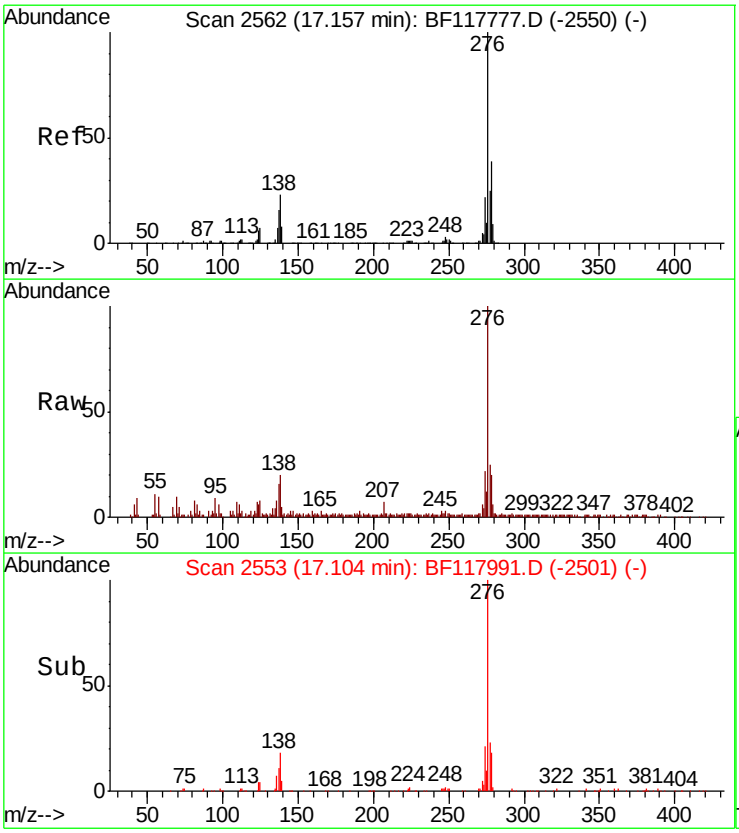
Tgt Ion:228 Resp: 309520

Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.0	37.4
229	22.2	16.6	25.0



Instrument :
BNA_F
ClientSampleId :
AU-06-112219

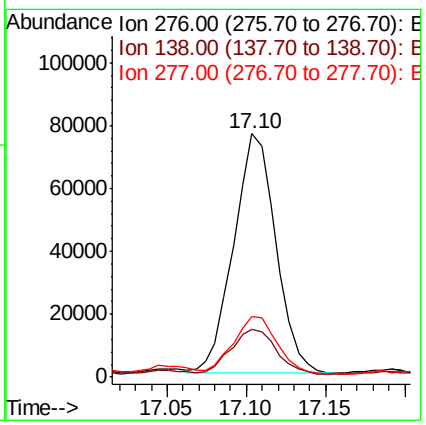
Manual Integrations APPROVED
mohammad
11/26/2019 12:49:27 PM

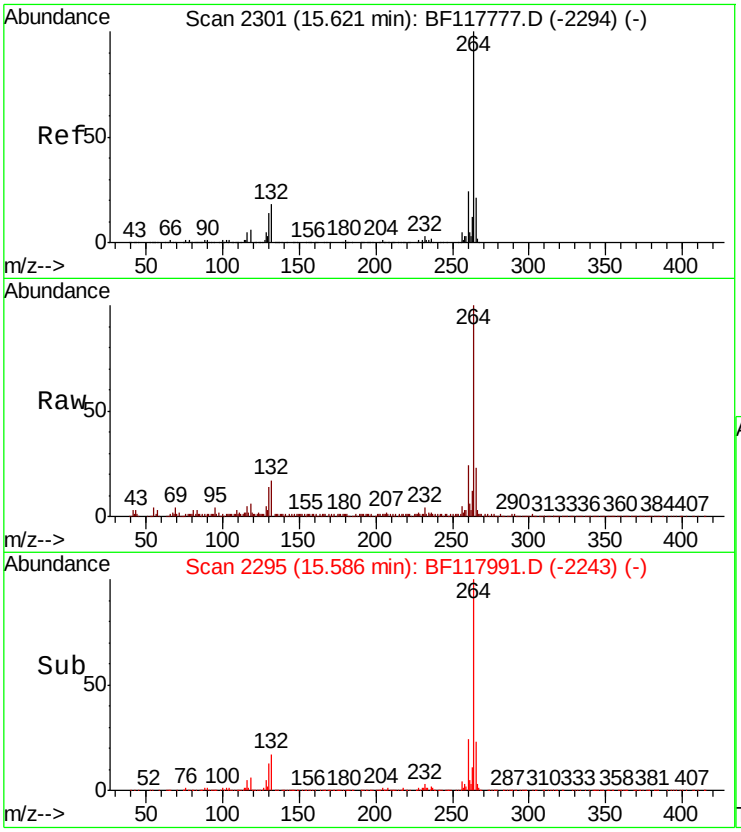


#86
Indeno(1,2,3-cd)pyrene
Concen: 9.867 ng
RT: 17.10 min Scan# 2553
Delta R.T. 0.01 min
Lab File: BF117991.D
Acq: 26 Nov 2019 3:08

Tgt Ion:276 Resp: 141271

Ion	Ratio	Lower	Upper
276	100		
138	19.7	20.9	31.3#
277	25.7	20.3	30.5

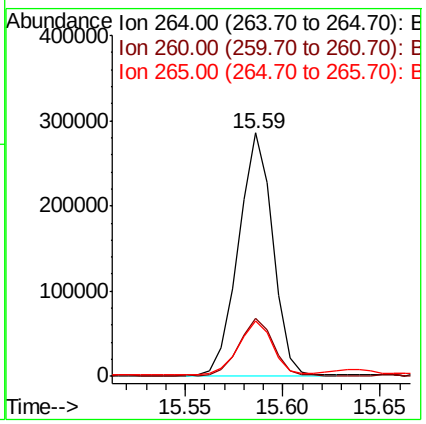




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.59 min Scan# 2295
Delta R.T. 0.01 min
Lab File: BF117991.D
Acq: 26 Nov 2019 3:08

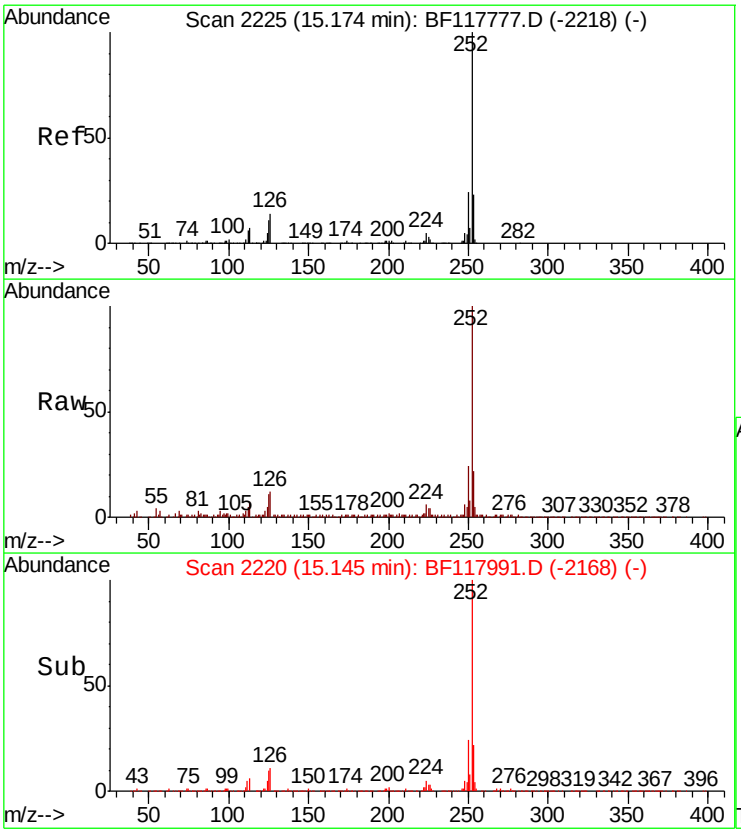
Tgt Ion:264 Resp: 346358

Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.4	29.0
265	23.0	17.1	25.7



Instrument :
BNA_F
ClientSampleId :
AU-06-112219

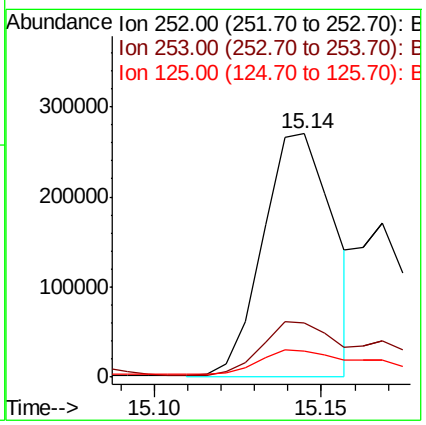
Manual Integrations APPROVED
mohammad
11/26/2019 12:49:27 PM

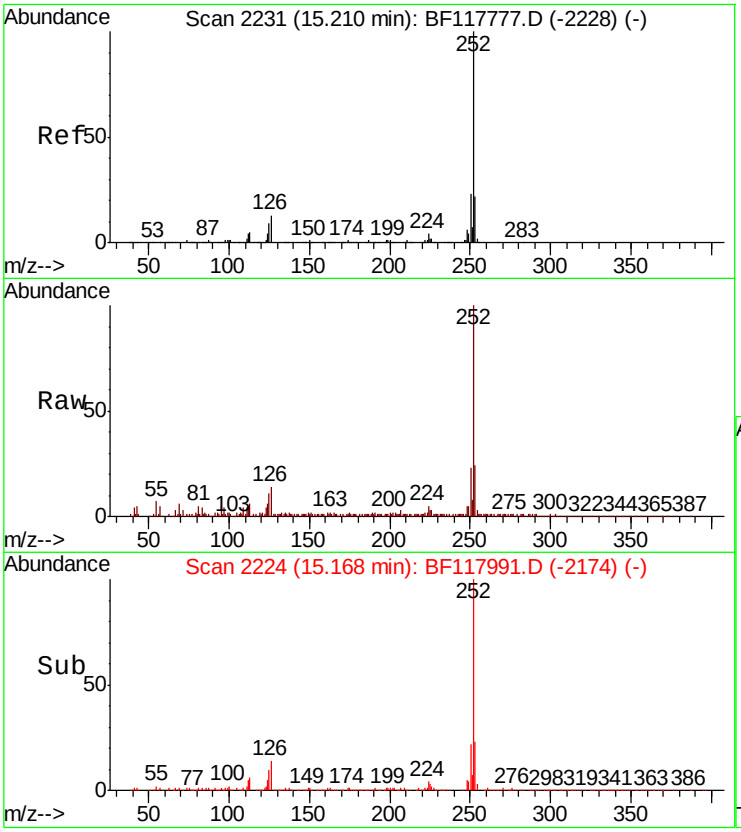


#88
Benzo(b)fluoranthene
Concen: 17.724 ng m
RT: 15.14 min Scan# 2220
Delta R.T. 0.01 min
Lab File: BF117991.D
Acq: 26 Nov 2019 3:08

Tgt Ion:252 Resp: 398839

Ion	Ratio	Lower	Upper
252	100		
253	22.3	18.0	27.0
125	10.8	8.6	13.0

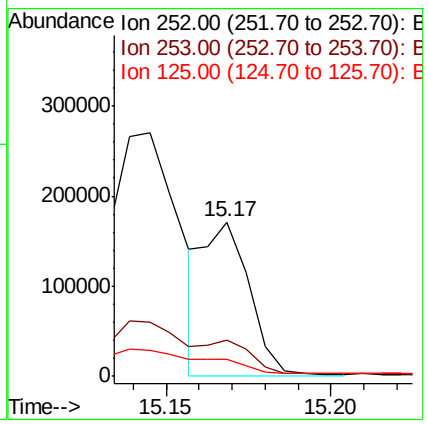




#89
Benzo(k)fluoranthene
Concen: 7.952 ng m
RT: 15.17 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BF117991.D
Acq: 26 Nov 2019 3:08

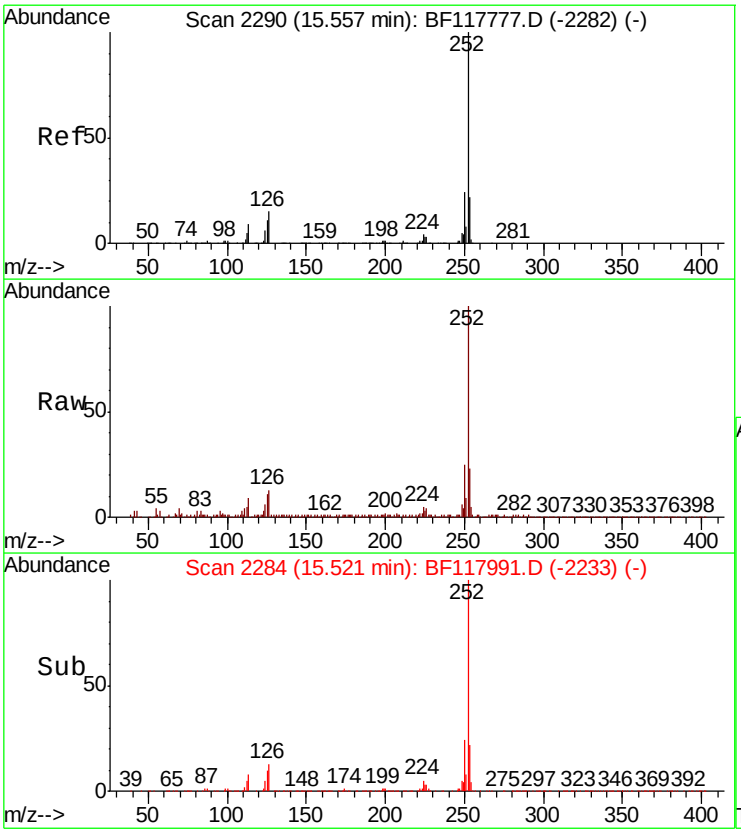
Tgt Ion:252 Resp: 168598

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.5	26.3
125	11.1	7.9	11.9



Instrument :
BNA_F
ClientSampleId :
AU-06-112219

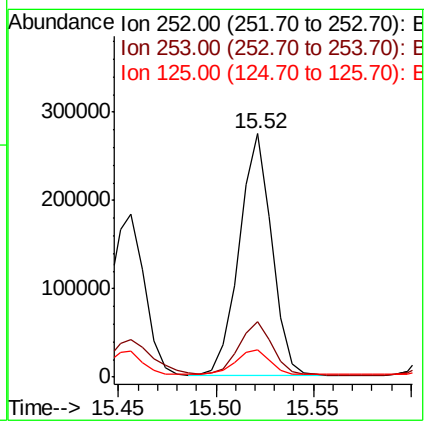
Manual Integrations APPROVED
mohammad
11/26/2019 12:49:27 PM

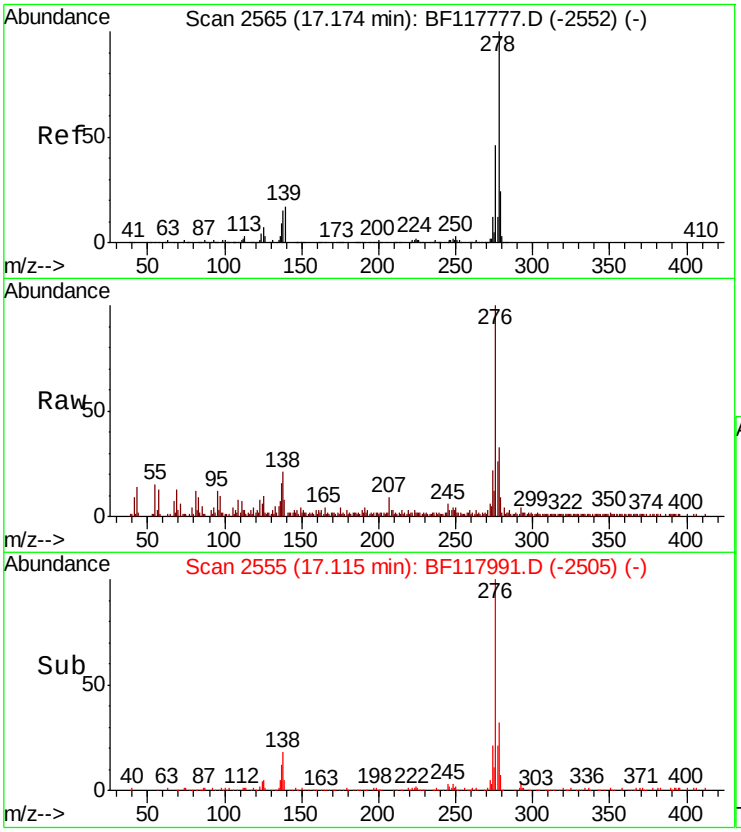


#90
Benzo(a)pyrene
Concen: 16.039 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.00 min
Lab File: BF117991.D
Acq: 26 Nov 2019 3:08

Tgt Ion:252 Resp: 317373

Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.6
125	11.4	9.2	13.8

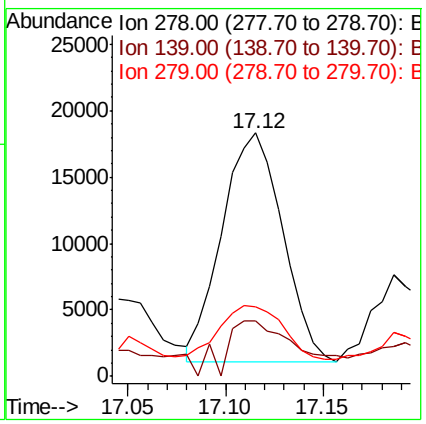




#91
Dibenzo(a,h)anthracene
Concen: 2.168 ng
RT: 17.12 min Scan# 2555
Delta R.T. -0.01 min
Lab File: BF117991.D
Acq: 26 Nov 2019 3:08

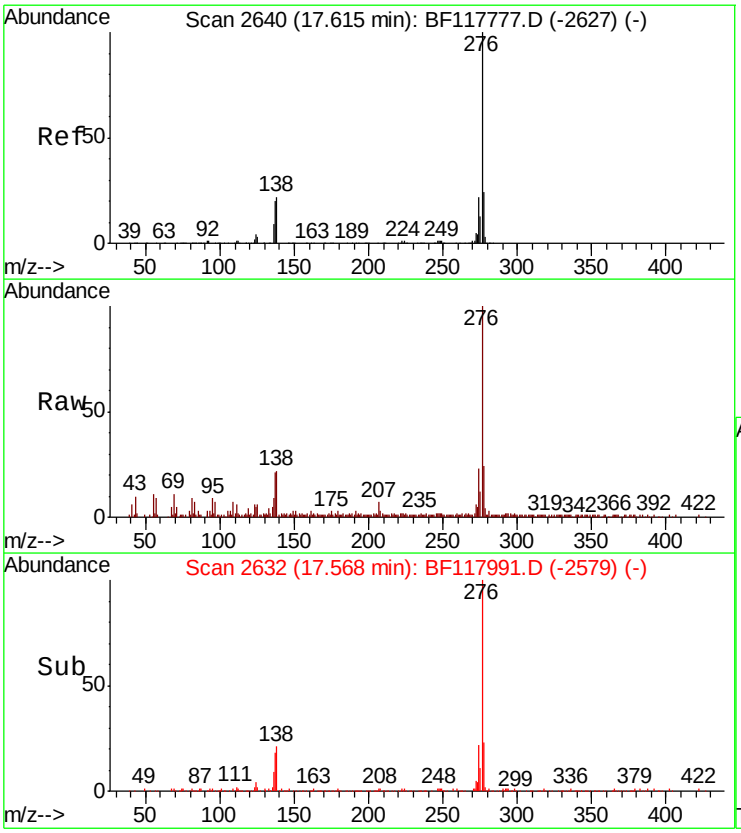
Tgt Ion:278 Resp: 36928

Ion	Ratio	Lower	Upper
278	100		
139	22.9	13.8	20.8#
279	28.5	19.6	29.4



Instrument :
BNA_F
ClientSampleId :
AU-06-112219

Manual Integrations APPROVED
mohammad
11/26/2019 12:49:27 PM



#92
Benzo(g,h,i)perylene
Concen: 9.384 ng
RT: 17.57 min Scan# 2632
Delta R.T. 0.01 min
Lab File: BF117991.D
Acq: 26 Nov 2019 3:08

Tgt Ion:276 Resp: 159195

Ion	Ratio	Lower	Upper
276	100		
277	24.3	18.9	28.3
138	21.9	17.4	26.2