Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112019\
Data File : BF117895.D
Acq On : 20 Nov 2019 16:12
Operator : JU
Sample : K5916-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
600429836

Manual Integrations APPROVED
mohammad
11/21/2019 1:05:18 PM

Quant Time: Nov 21 03:36:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 18:36:07 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.92	152	180663	20.00	ng		-0.01
21) Naphthalene-d8	8.20	136	689337	20.00	ng		-0.01
39) Acenaphthene-d10	9.96	164	357635	20.00	ng		-0.01
64) Phenanthrene-d10	11.46	188	590333	20.00	ng		-0.01
76) Chrysene-d12	14.11	240	379865	20.00	ng		0.00
87) Perylene-d12	15.62	264	428684	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.53	112	805372	78.91	ng		0.00
7) Phenol-d6	6.54	99	1168957	94.96	ng		0.00
23) Nitrobenzene-d5	7.47	82	710238	61.25	ng		-0.02
42) 2,4,6-Tribromophenol	10.76	330	310597	82.03	ng		-0.01
45) 2-Fluorobiphenyl	9.28	172	1294419	64.93	ng		-0.01
79) Terphenyl-d14	13.05	244	1038128	49.95	ng		0.00
Target Compounds							Qvalue
37) 2-Methylnaphthalene	8.92	142	54037	2.489	ng		98
38) 1-Methylnaphthalene	9.02	142	66651	3.247	ng		99
49) Acenaphthylene	9.83	152	165358	5.196	ng		98
50) Dimethylphthalate	9.67	163	258558	10.310	ng		98
58) Fluorene	10.52	166	58268	2.664	ng	#	90
71) Phenanthrene	11.48	178	552280	18.608	ng		97
72) Anthracene	11.53	178	108178	3.676	ng		97
75) Fluoranthene	12.67	202	383363	7.997	ng		99
78) Pyrene	12.90	202	534074	17.397	ng		99
81) Benzo(a)anthracene	14.10	228	218532m	8.706	ng		
83) Chrysene	14.13	228	254821	10.476	ng		97
86) Indeno(1,2,3-cd)pyrene	17.14	276	92493	4.468	ng		97
88) Benzo(b)fluoranthene	15.17	252	247078m	8.871	ng		
89) Benzo(k)fluoranthene	15.19	252	84165m	3.207	ng		
90) Benzo(a)pyrene	15.55	252	198613	8.110	ng		96
92) Benzo(g,h,i)perylene	17.62	276	108805	5.182	ng		99

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

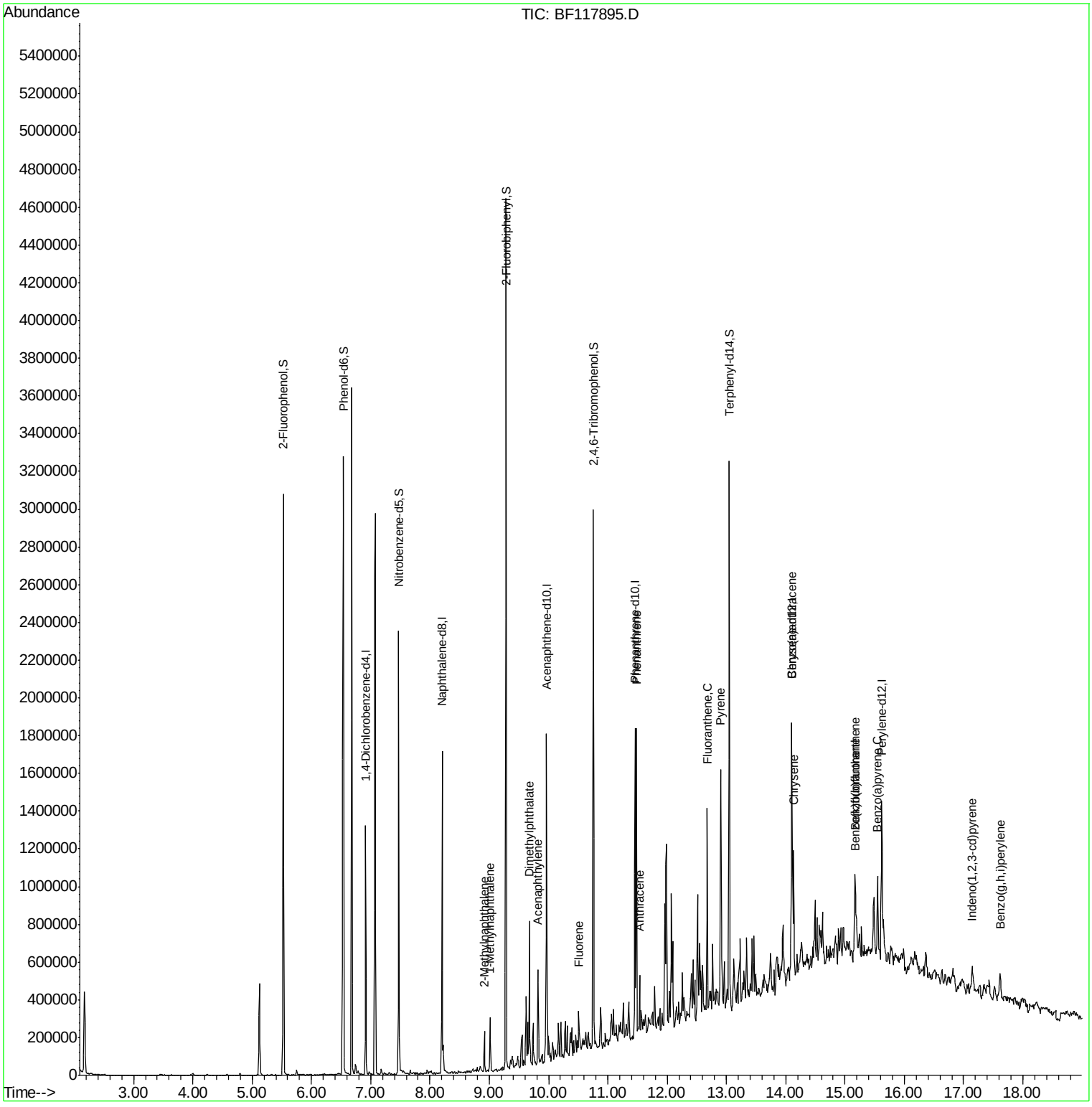
Quantitation Report (LSC Reviewed)

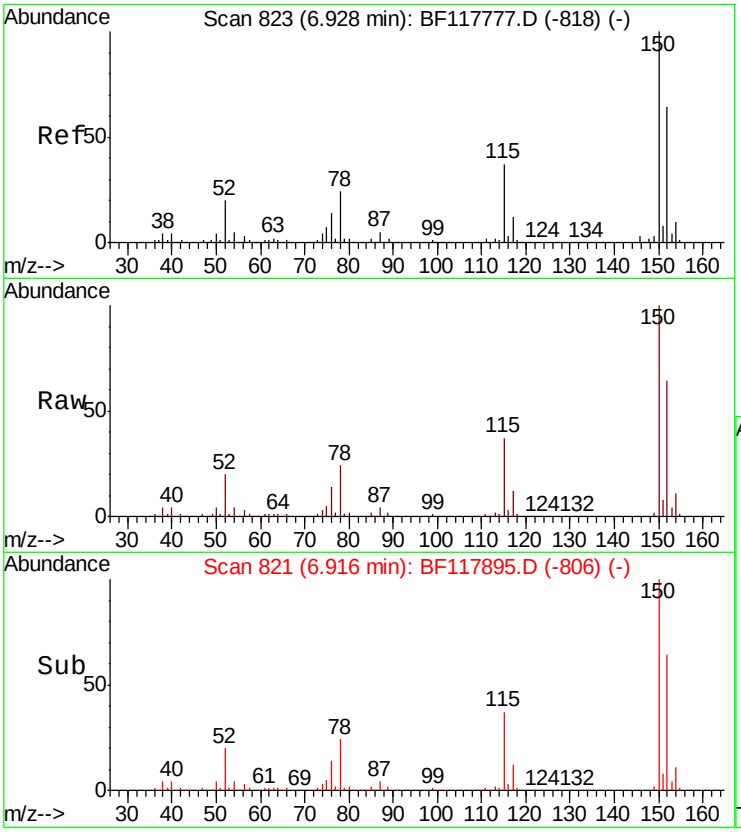
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112019\
Data File : BF117895.D
Acq On : 20 Nov 2019 16:12
Operator : JU
Sample : K5916-01
Misc :
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 21 03:36:04 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 13 18:36:07 2019
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
600429836

Manual Integrations APPROVED
mohammad
11/21/2019 1:05:18 PM

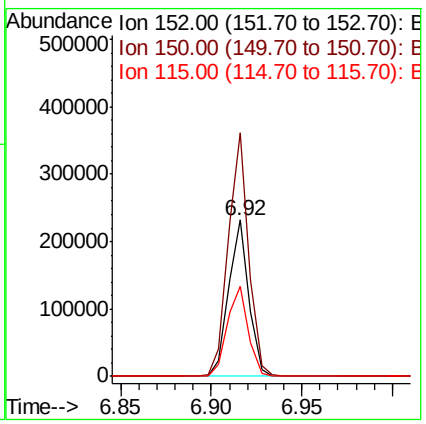




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.92 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF117895.D
Acq: 20 Nov 2019 16:12

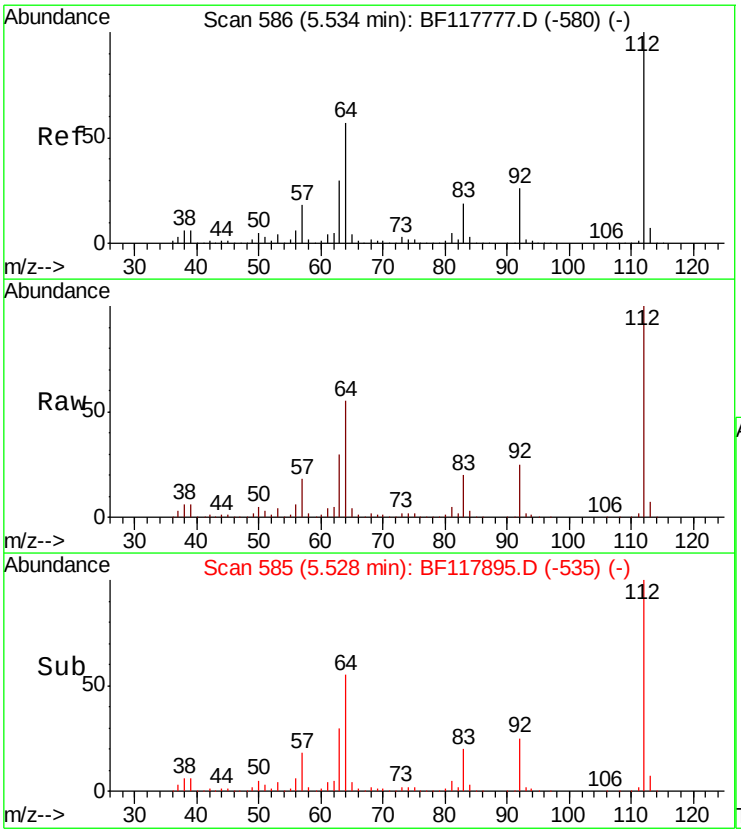
Tgt Ion:152 Resp: 180663

Ion	Ratio	Lower	Upper
152	100		
150	155.7	125.3	187.9
115	57.9	47.0	70.4



Instrument :
BNA_F
ClientSampleId :
600429836

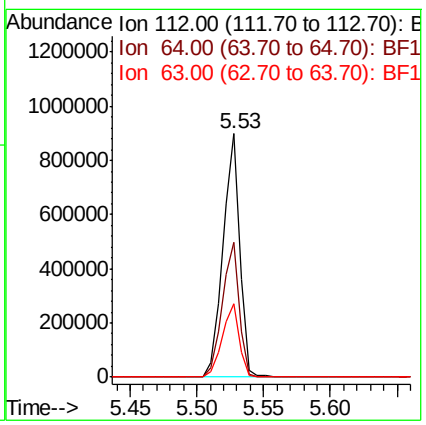
Manual Integrations APPROVED
mohammad
11/21/2019 1:05:18 PM

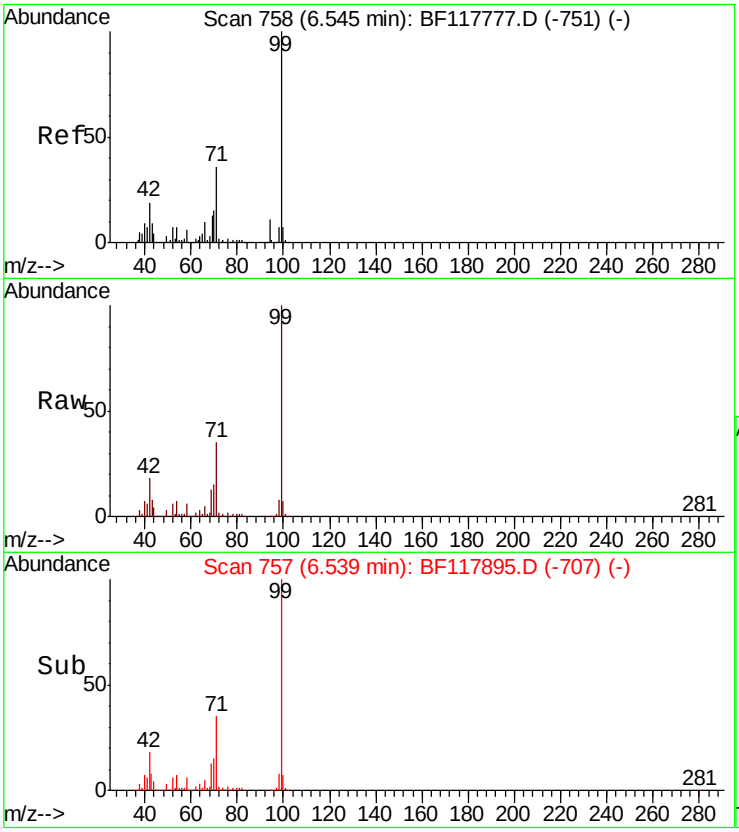


#5
2-Fluorophenol
Concen: 78.909 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF117895.D
Acq: 20 Nov 2019 16:12

Tgt Ion:112 Resp: 805372

Ion	Ratio	Lower	Upper
112	100		
64	55.5	45.6	68.4
63	30.3	24.1	36.1

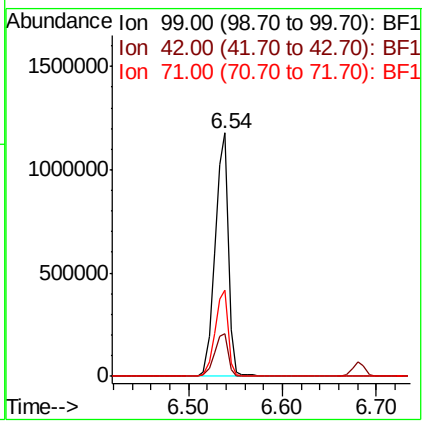




#7
Phenol-d6
Concen: 94.956 ng
RT: 6.54 min Scan# 757
Delta R.T. -0.01 min
Lab File: BF117895.D
Acq: 20 Nov 2019 16:12

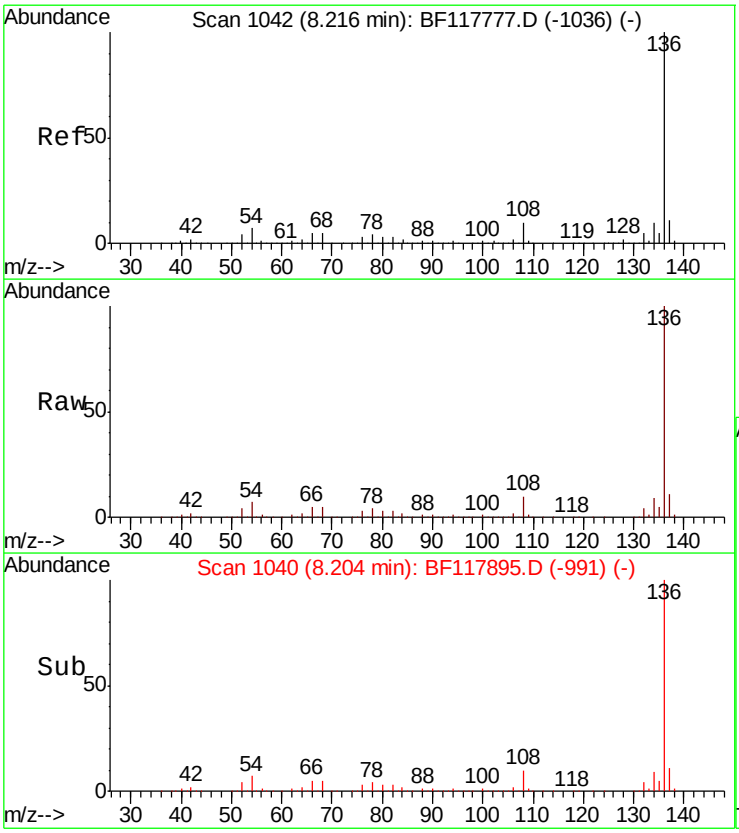
Tgt Ion: 99 Resp: 1168957

Ion	Ratio	Lower	Upper
99	100		
42	17.6	14.9	22.3
71	35.4	28.6	43.0



Instrument :
BNA_F
ClientSampleId :
600429836

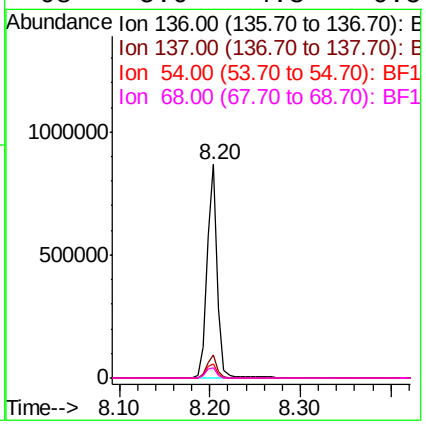
Manual Integrations APPROVED
mohammad
11/21/2019 1:05:18 PM

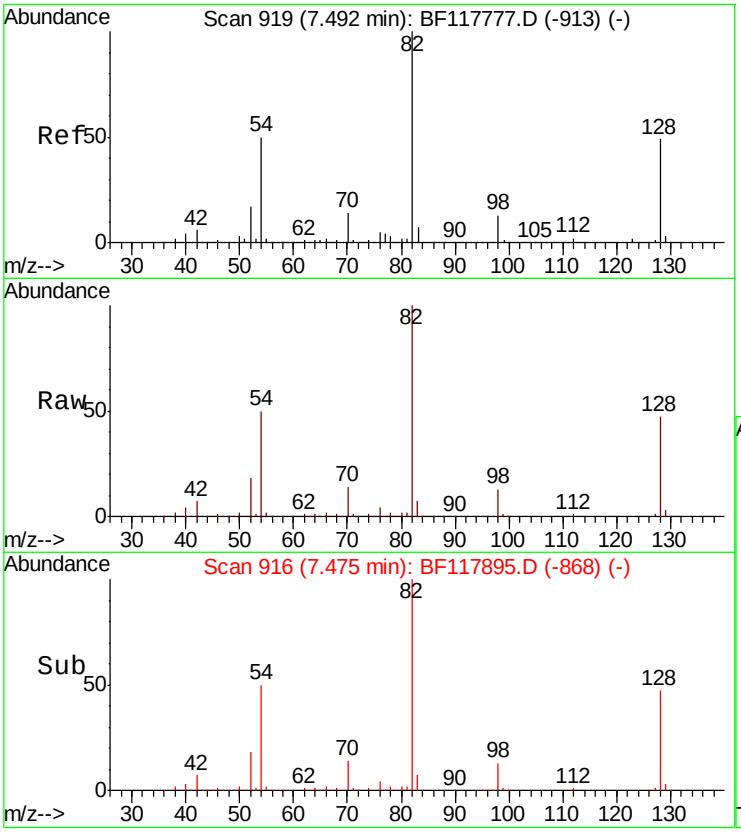


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.20 min Scan# 1040
Delta R.T. -0.01 min
Lab File: BF117895.D
Acq: 20 Nov 2019 16:12

Tgt Ion:136 Resp: 689337

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	6.9	5.4	8.2
68	5.0	4.3	6.5

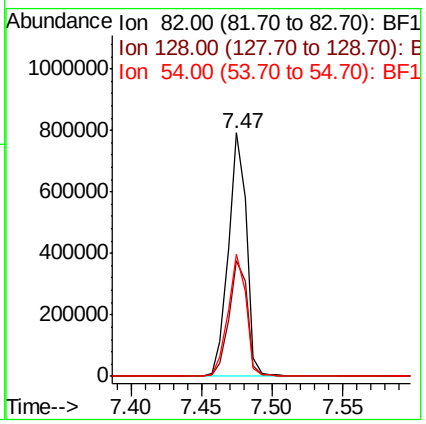




#23
Nitrobenzene-d5
Concen: 61.248 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.02 min
Lab File: BF117895.D
Acq: 20 Nov 2019 16:12

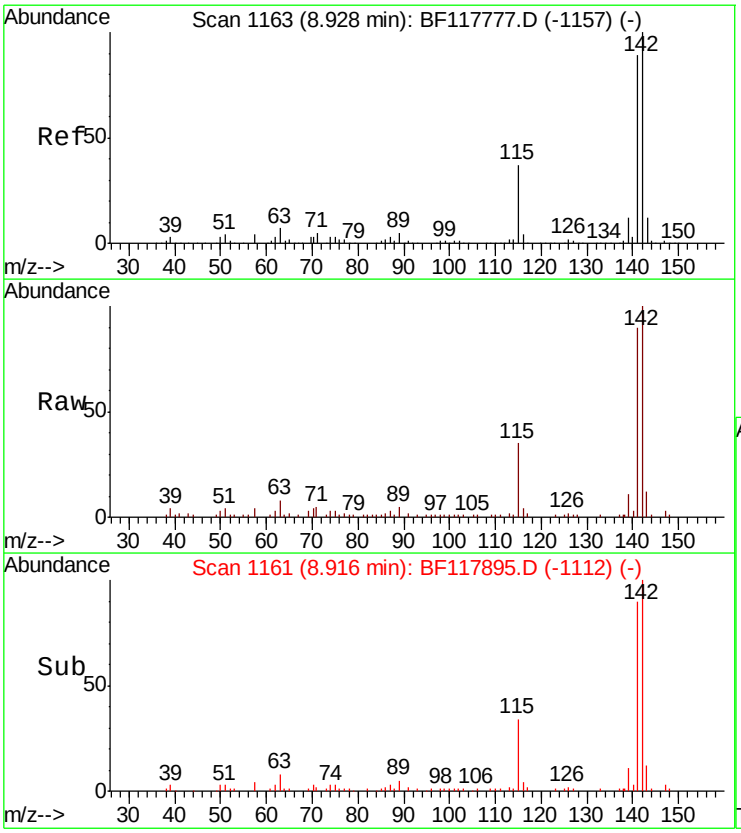
Tgt Ion: 82 Resp: 710238

Ion	Ratio	Lower	Upper
82	100		
128	47.3	38.9	58.3
54	50.2	39.8	59.6



Instrument :
BNA_F
ClientSampleId :
600429836

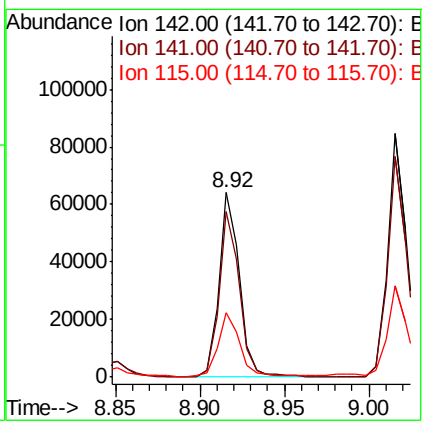
Manual Integrations APPROVED
mohammad
11/21/2019 1:05:18 PM

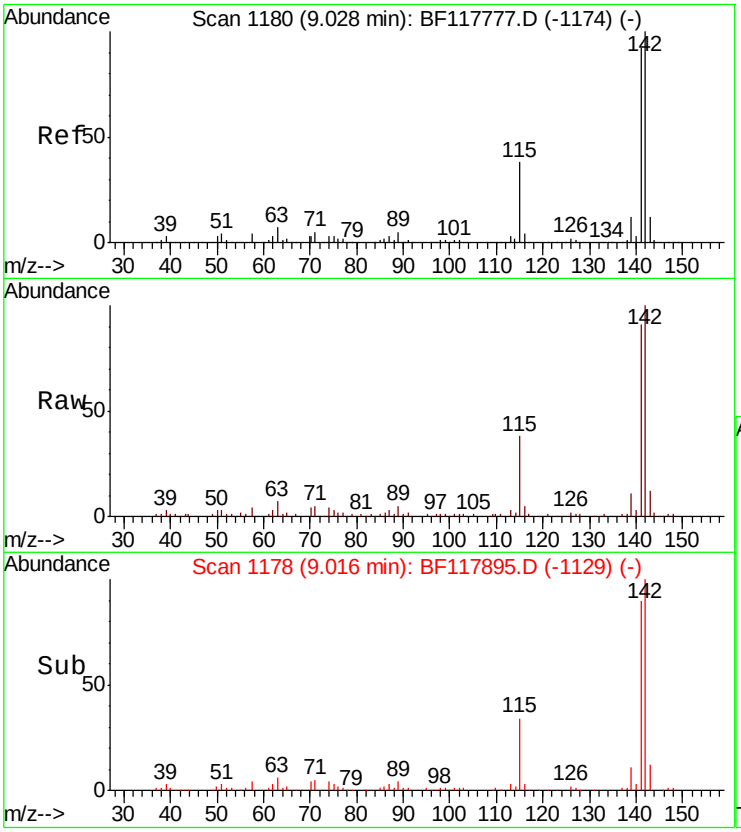


#37
2-Methylnaphthalene
Concen: 2.489 ng
RT: 8.92 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BF117895.D
Acq: 20 Nov 2019 16:12

Tgt Ion:142 Resp: 54037

Ion	Ratio	Lower	Upper
142	100		
141	90.0	71.1	106.7
115	34.7	29.2	43.8

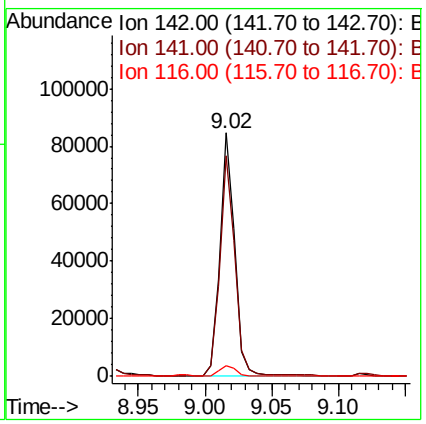




#38
1-Methylnaphthalene
Concen: 3.247 ng
RT: 9.02 min Scan# 1178
Delta R.T. -0.01 min
Lab File: BF117895.D
Acq: 20 Nov 2019 16:12

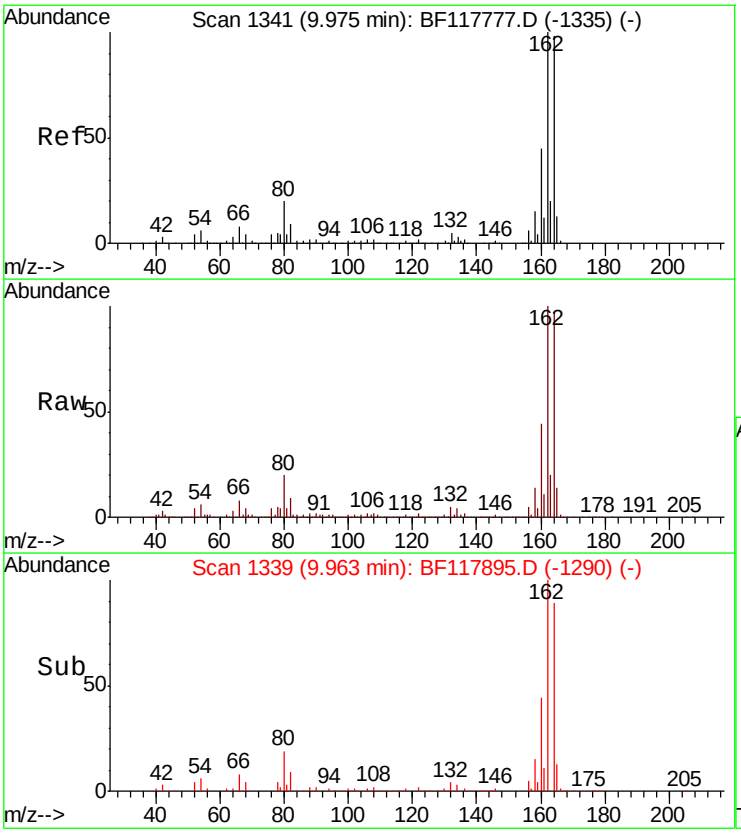
Tgt Ion:142 Resp: 66651

Ion	Ratio	Lower	Upper
142	100		
141	90.8	73.5	110.3
116	4.6	3.2	4.8



Instrument :
BNA_F
ClientSampleId :
600429836

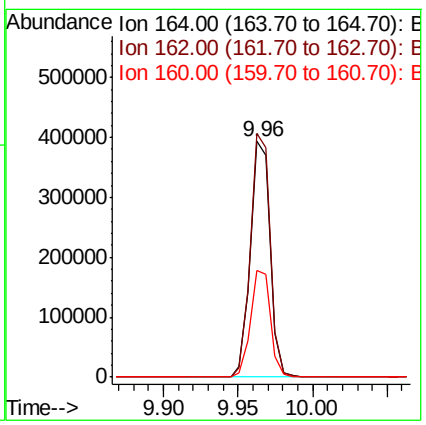
Manual Integrations APPROVED
mohammad
11/21/2019 1:05:18 PM

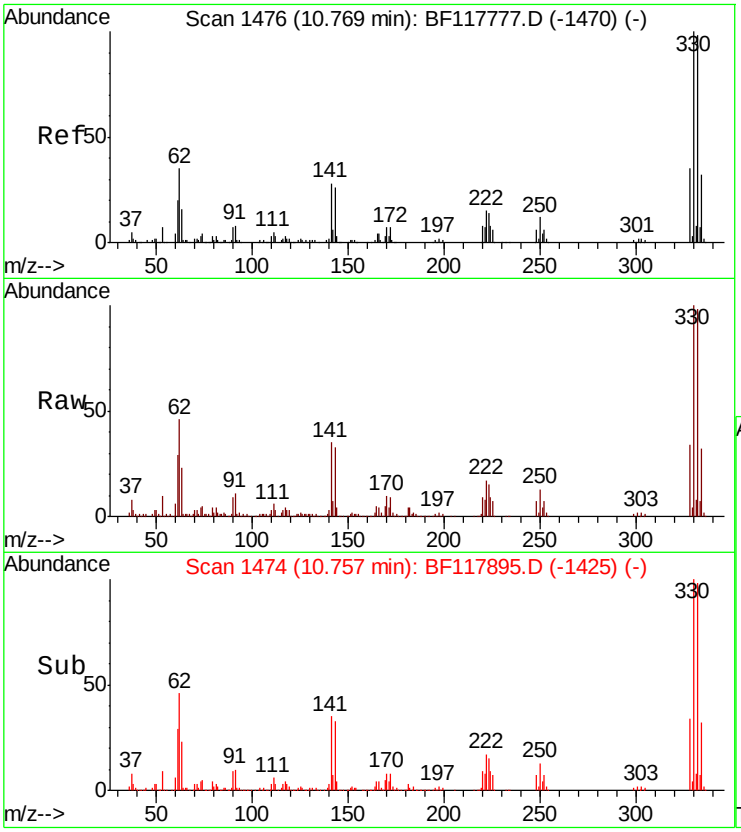


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.96 min Scan# 1339
Delta R.T. -0.01 min
Lab File: BF117895.D
Acq: 20 Nov 2019 16:12

Tgt Ion:164 Resp: 357635

Ion	Ratio	Lower	Upper
164	100		
162	103.4	81.3	121.9
160	45.1	36.6	55.0





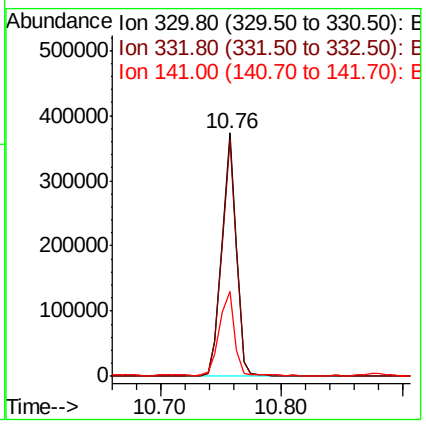
#42
2,4,6-Tribromophenol
Concen: 82.033 ng
RT: 10.76 min Scan# 1474
Delta R.T. -0.01 min
Lab File: BF117895.D
Acq: 20 Nov 2019 16:12

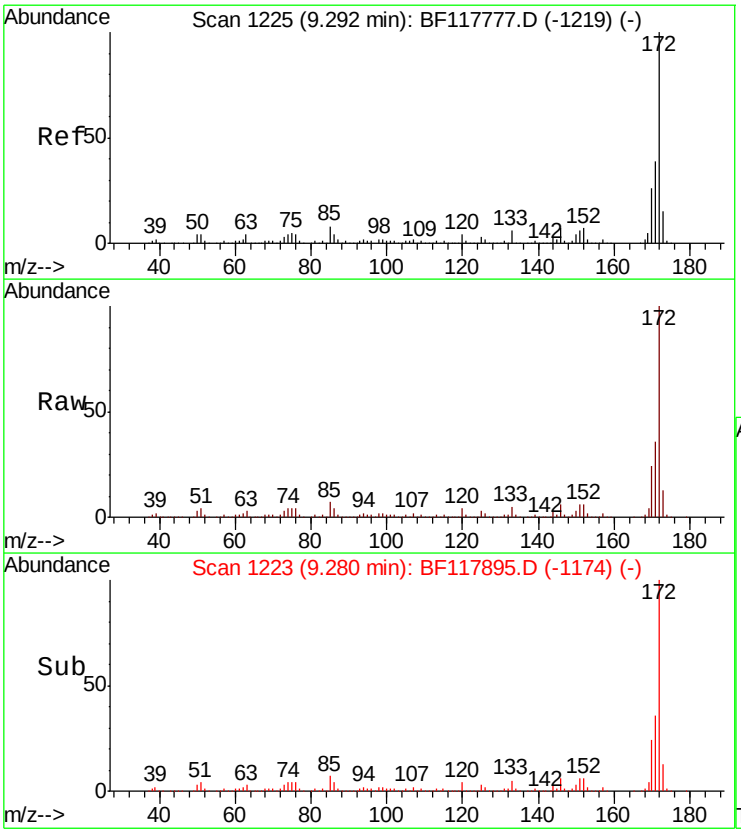
Tgt Ion:330 Resp: 310597

Ion	Ratio	Lower	Upper
330	100		
332	97.6	76.7	115.1
141	36.3	27.7	41.5

Instrument :
BNA_F
ClientSampleId :
600429836

Manual Integrations APPROVED
mohammad
11/21/2019 1:05:18 PM

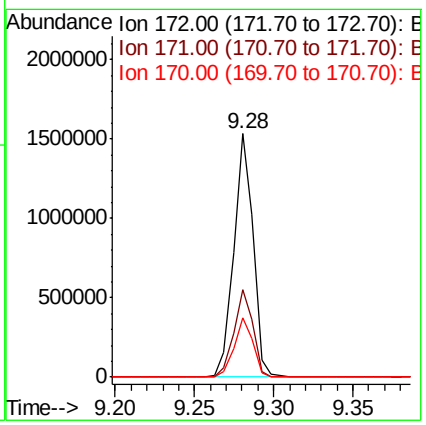


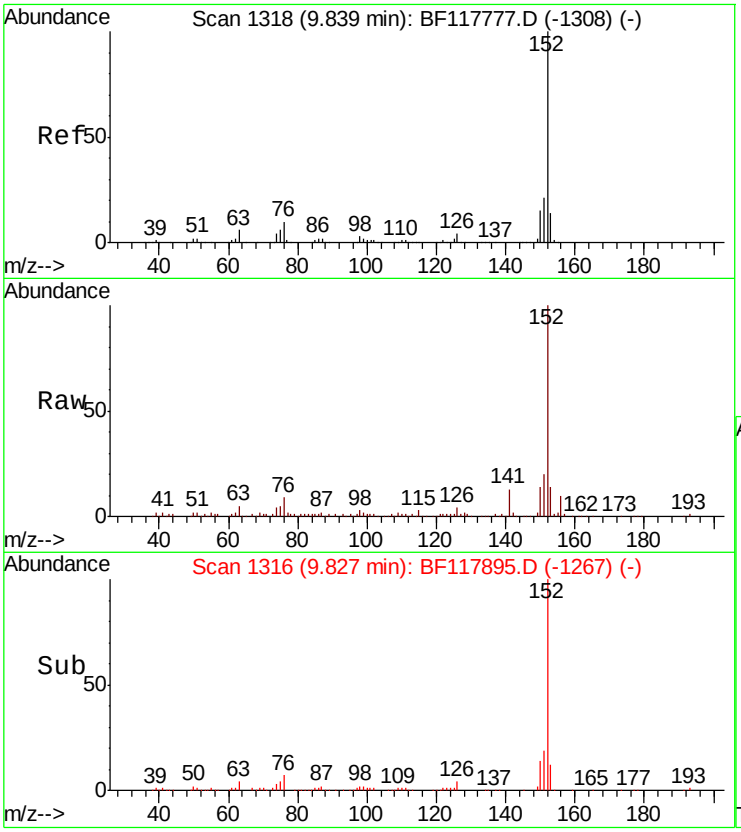


#45
2-Fluorobiphenyl
Concen: 64.933 ng
RT: 9.28 min Scan# 1223
Delta R.T. -0.01 min
Lab File: BF117895.D
Acq: 20 Nov 2019 16:12

Tgt Ion:172 Resp: 1294419

Ion	Ratio	Lower	Upper
172	100		
171	36.1	30.9	46.3
170	24.3	21.0	31.4

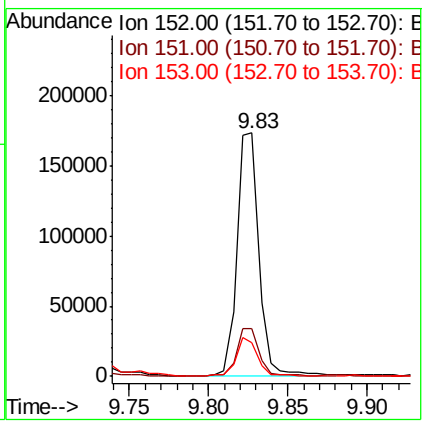




#49
Acenaphthylene
Concen: 5.196 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF117895.D
Acq: 20 Nov 2019 16:12

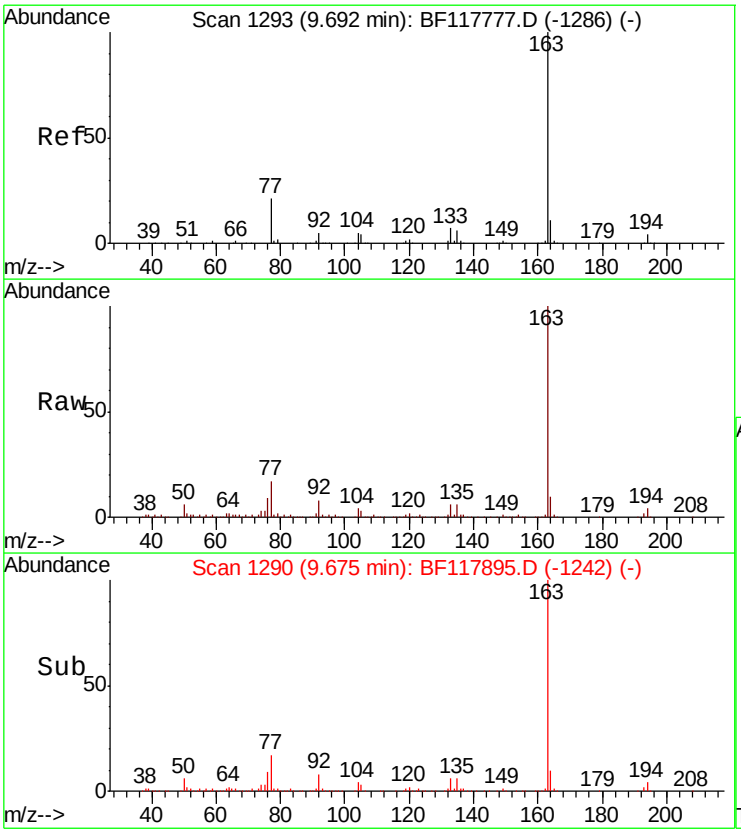
Tgt Ion:152 Resp: 165358

Ion	Ratio	Lower	Upper
152	100		
151	19.9	17.0	25.6
153	14.1	11.0	16.6



Instrument :
BNA_F
ClientSampleId :
600429836

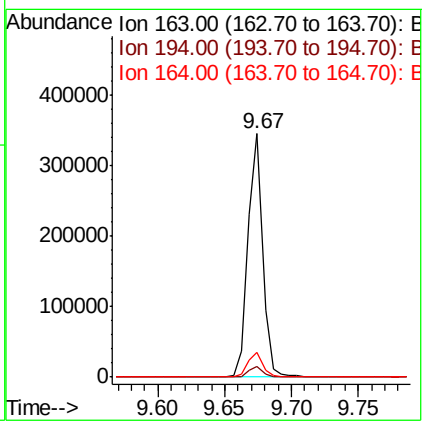
Manual Integrations APPROVED
mohammad
11/21/2019 1:05:18 PM

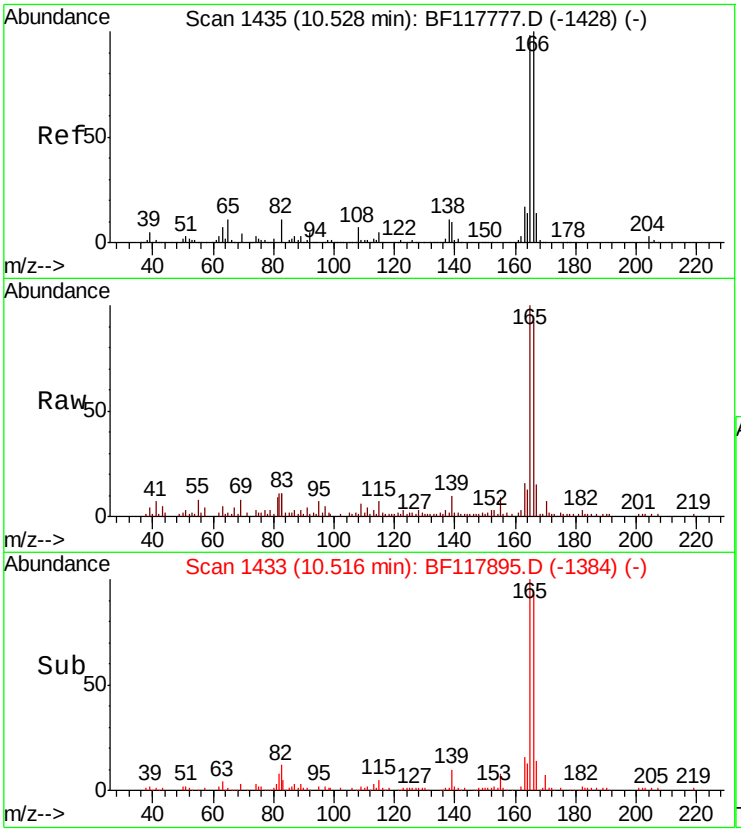


#50
Dimethylphthalate
Concen: 10.310 ng
RT: 9.67 min Scan# 1290
Delta R.T. -0.02 min
Lab File: BF117895.D
Acq: 20 Nov 2019 16:12

Tgt Ion:163 Resp: 258558

Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.3	4.9
164	10.0	8.7	13.1

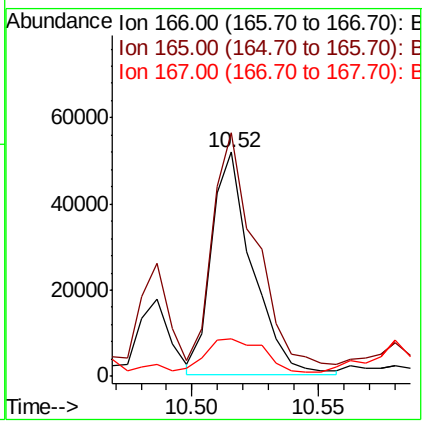




#58
Fluorene
Concen: 2.664 ng
RT: 10.52 min Scan# 1433
Delta R.T. -0.01 min
Lab File: BF117895.D
Acq: 20 Nov 2019 16:12

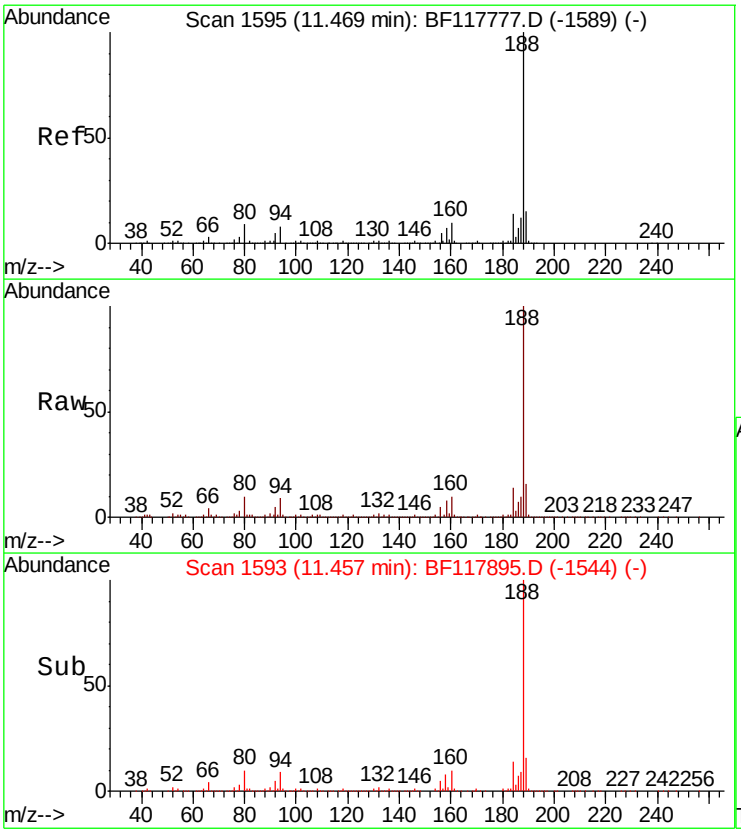
Tgt Ion:166 Resp: 58268

Ion	Ratio	Lower	Upper
166	100		
165	108.8	78.4	117.6
167	16.8	11.0	16.4#



Instrument :
BNA_F
ClientSampleId :
600429836

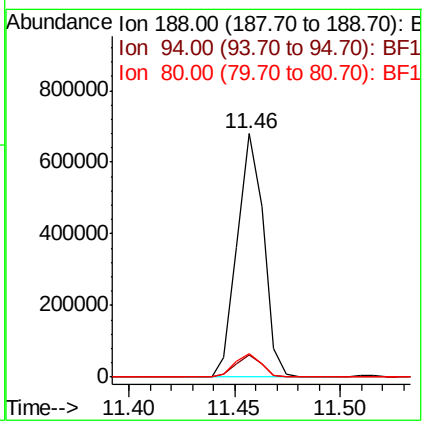
Manual Integrations APPROVED
mohammad
11/21/2019 1:05:18 PM

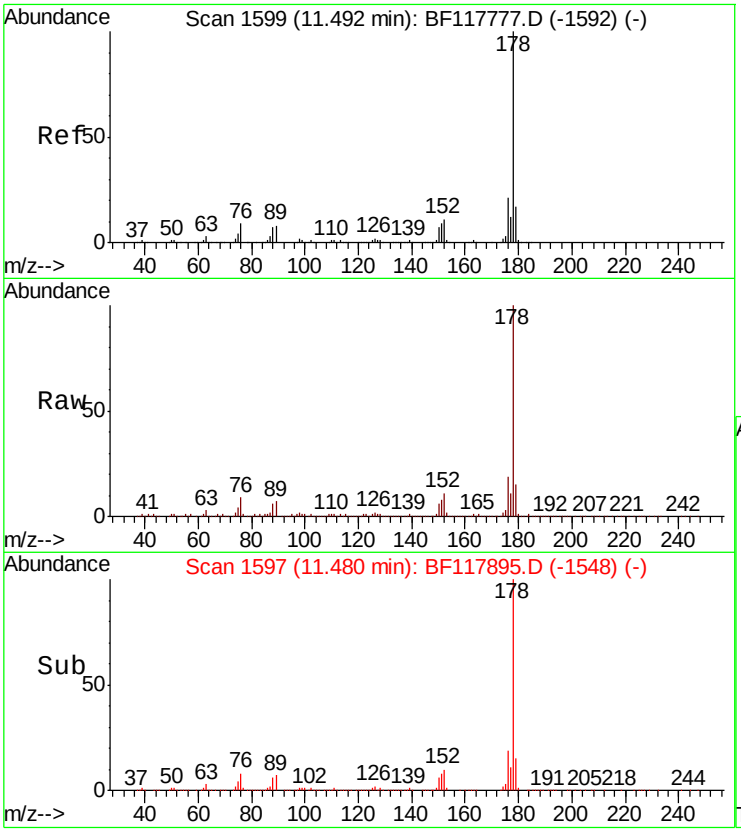


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF117895.D
Acq: 20 Nov 2019 16:12

Tgt Ion:188 Resp: 590333

Ion	Ratio	Lower	Upper
188	100		
94	9.3	6.6	10.0
80	9.8	7.2	10.8

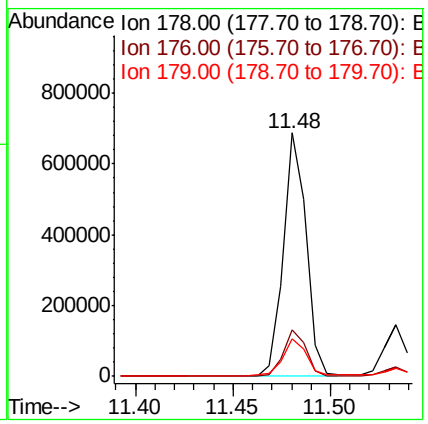




#71
Phenanthrene
Concen: 18.608 ng
RT: 11.48 min Scan# 1597
Delta R.T. -0.01 min
Lab File: BF117895.D
Acq: 20 Nov 2019 16:12

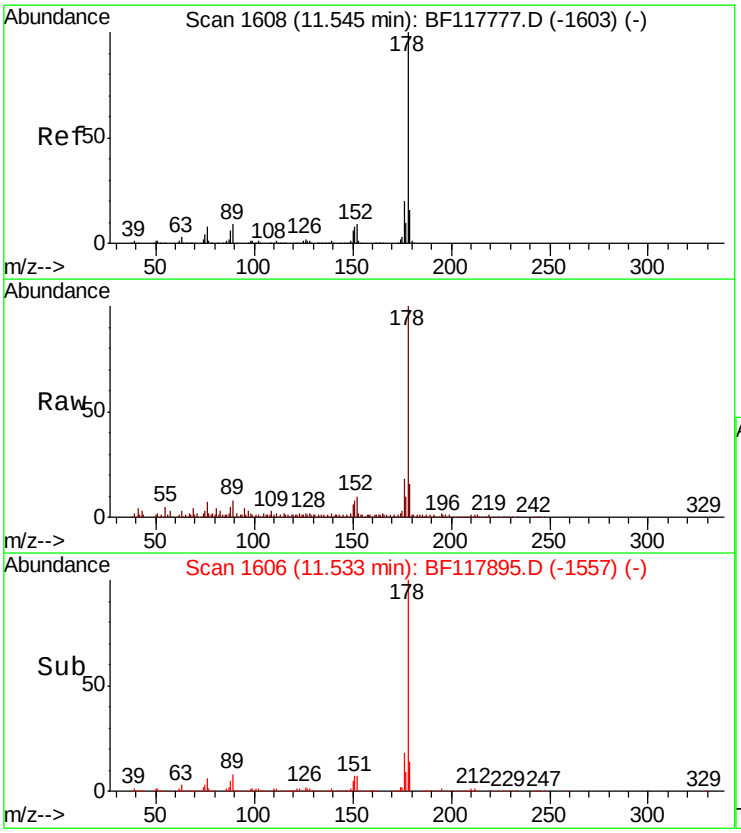
Tgt Ion:178 Resp: 552280

Ion	Ratio	Lower	Upper
178	100		
176	19.1	16.6	25.0
179	15.4	13.2	19.8



Instrument :
BNA_F
ClientSampleId :
600429836

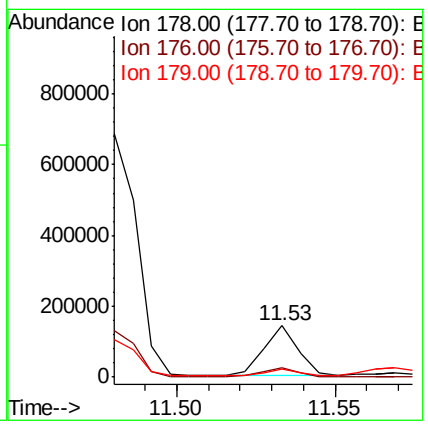
Manual Integrations APPROVED
mohammad
11/21/2019 1:05:18 PM

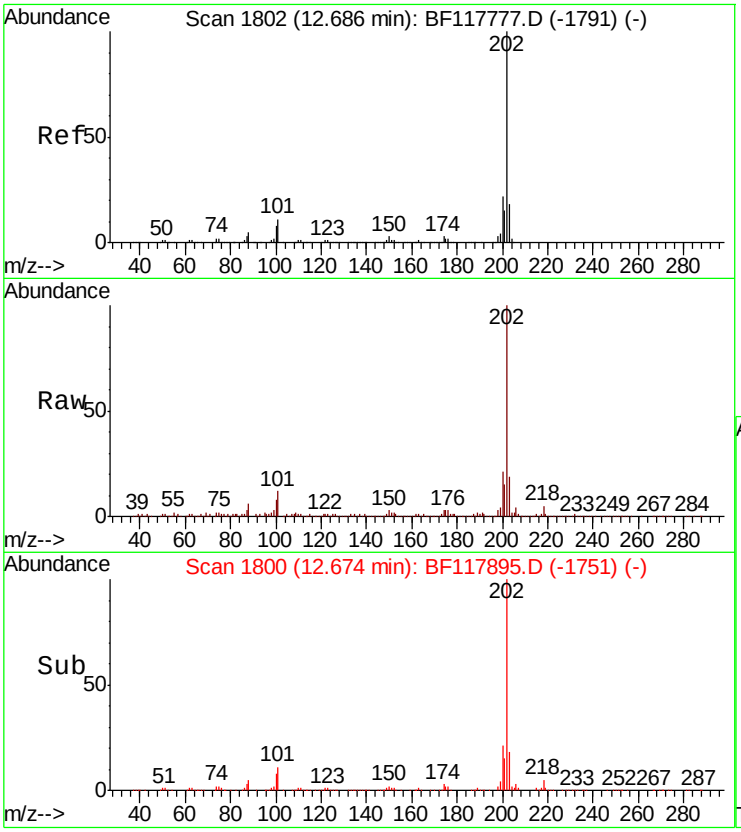


#72
Anthracene
Concen: 3.676 ng
RT: 11.53 min Scan# 1606
Delta R.T. -0.01 min
Lab File: BF117895.D
Acq: 20 Nov 2019 16:12

Tgt Ion:178 Resp: 108178

Ion	Ratio	Lower	Upper
178	100		
176	18.2	16.1	24.1
179	15.8	13.0	19.4

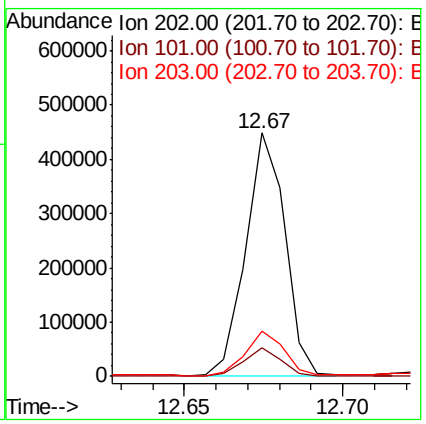




#75
Fluoranthene
Concen: 7.997 ng
RT: 12.67 min Scan# 1800
Delta R.T. -0.01 min
Lab File: BF117895.D
Acq: 20 Nov 2019 16:12

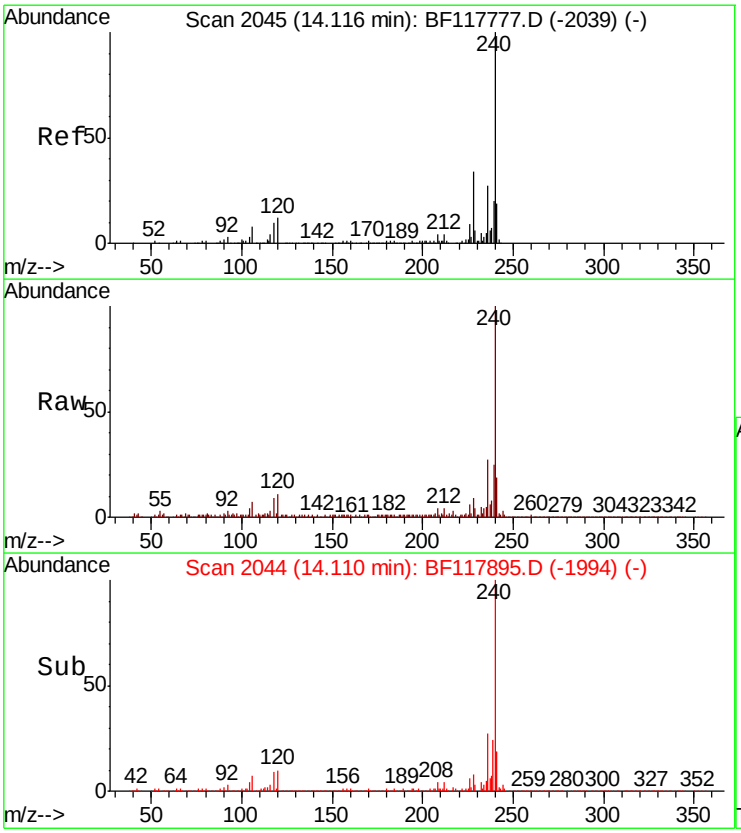
Tgt Ion:202 Resp: 383363

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.1
203	18.7	0.0	38.2



Instrument :
BNA_F
ClientSampleId :
600429836

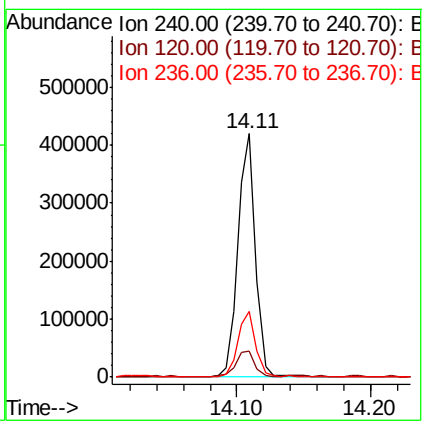
Manual Integrations APPROVED
mohammad
11/21/2019 1:05:18 PM

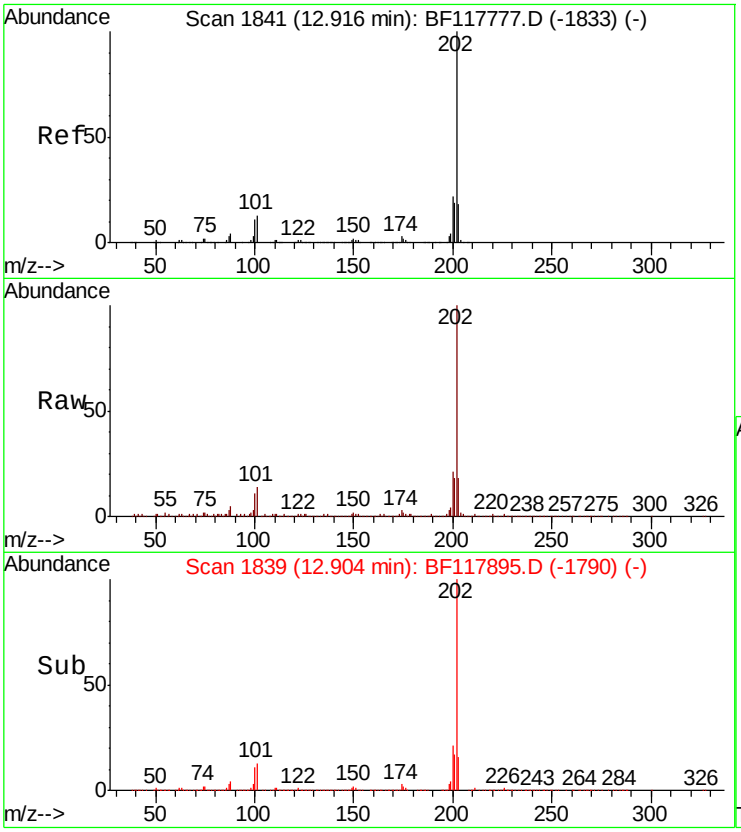


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.11 min Scan# 2044
Delta R.T. -0.01 min
Lab File: BF117895.D
Acq: 20 Nov 2019 16:12

Tgt Ion:240 Resp: 379865

Ion	Ratio	Lower	Upper
240	100		
120	10.6	9.5	14.3
236	27.2	21.3	31.9

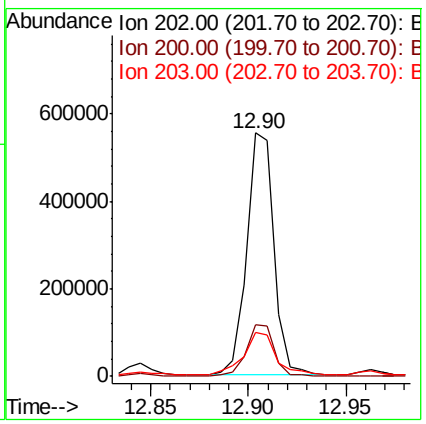




#78
Pyrene
Concen: 17.397 ng
RT: 12.90 min Scan# 1839
Delta R.T. -0.01 min
Lab File: BF117895.D
Acq: 20 Nov 2019 16:12

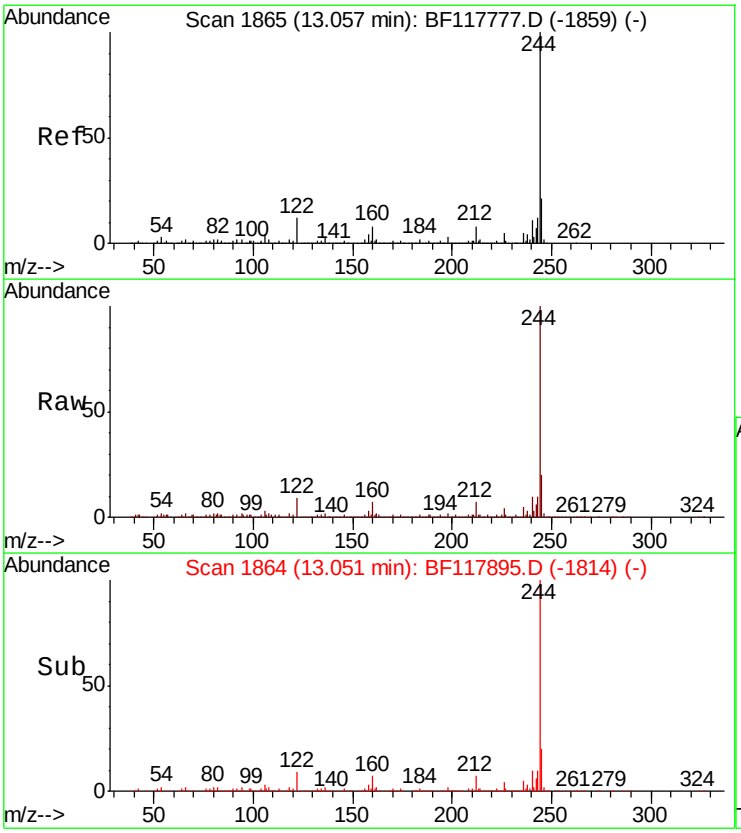
Tgt Ion:202 Resp: 534074

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.8	26.8
203	18.2	14.6	22.0



Instrument :
BNA_F
ClientSampleId :
600429836

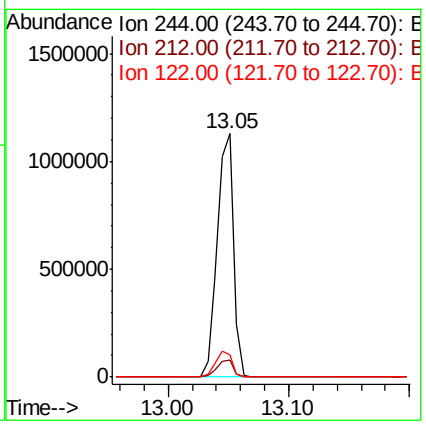
Manual Integrations APPROVED
mohammad
11/21/2019 1:05:18 PM

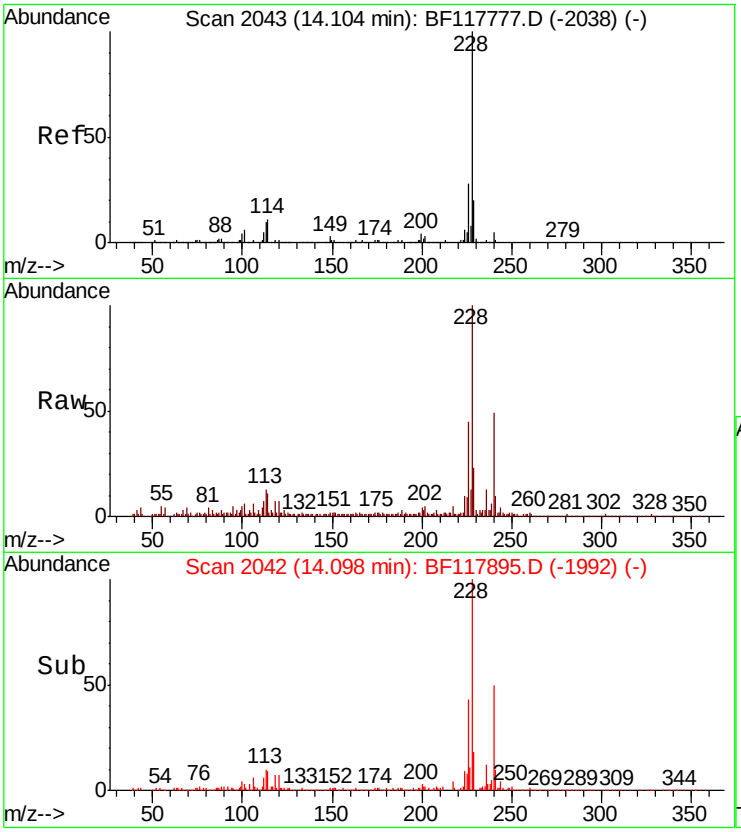


#79
Terphenyl-d14
Concen: 49.947 ng
RT: 13.05 min Scan# 1864
Delta R.T. -0.01 min
Lab File: BF117895.D
Acq: 20 Nov 2019 16:12

Tgt Ion:244 Resp: 1038128

Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.3	9.5
122	9.3	9.4	14.2#

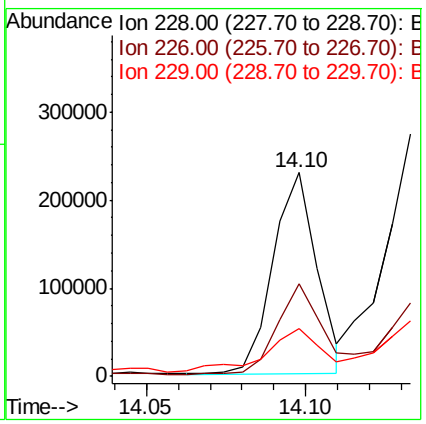




#81
Benzo(a)anthracene
Concen: 8.706 ng m
RT: 14.10 min Scan# 2042
Delta R.T. -0.01 min
Lab File: BF117895.D
Acq: 20 Nov 2019 16:12

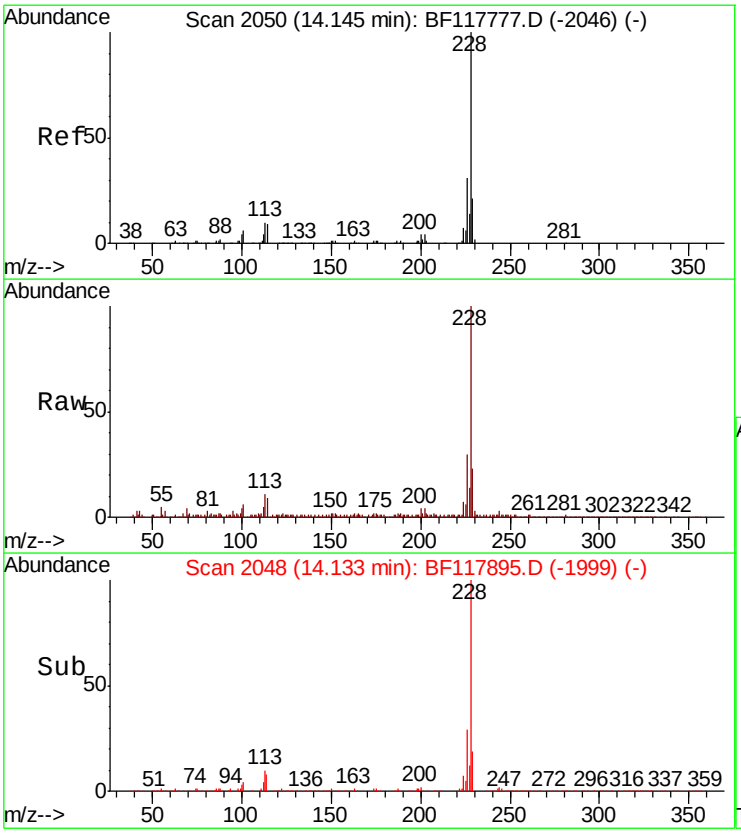
Tgt Ion:228 Resp: 218532

Ion	Ratio	Lower	Upper
228	100		
226	45.3	22.2	33.2#
229	23.5	15.9	23.9



Instrument :
BNA_F
ClientSampleId :
600429836

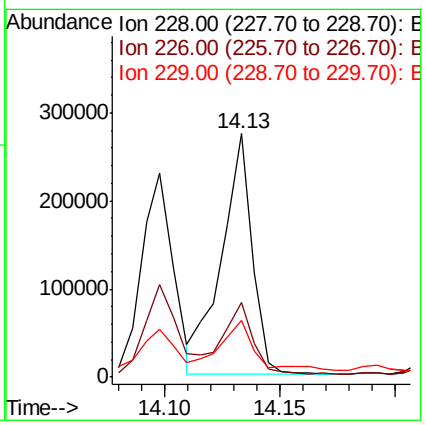
Manual Integrations APPROVED
mohammad
11/21/2019 1:05:18 PM

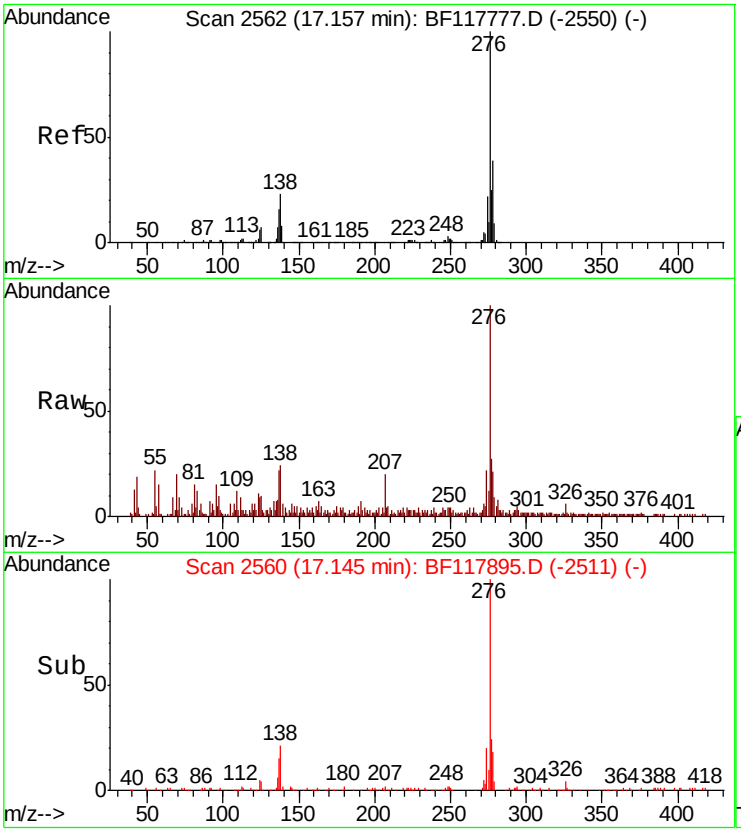


#83
Chrysene
Concen: 10.476 ng
RT: 14.13 min Scan# 2048
Delta R.T. -0.01 min
Lab File: BF117895.D
Acq: 20 Nov 2019 16:12

Tgt Ion:228 Resp: 254821

Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.0	37.4
229	23.1	16.6	25.0

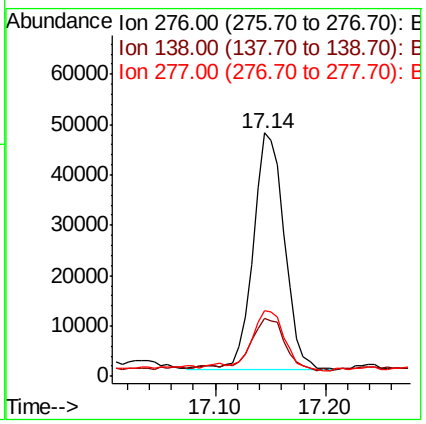




#86
Indeno(1,2,3-cd)pyrene
Concen: 4.468 ng
RT: 17.14 min Scan# 2560
Delta R.T. -0.01 min
Lab File: BF117895.D
Acq: 20 Nov 2019 16:12

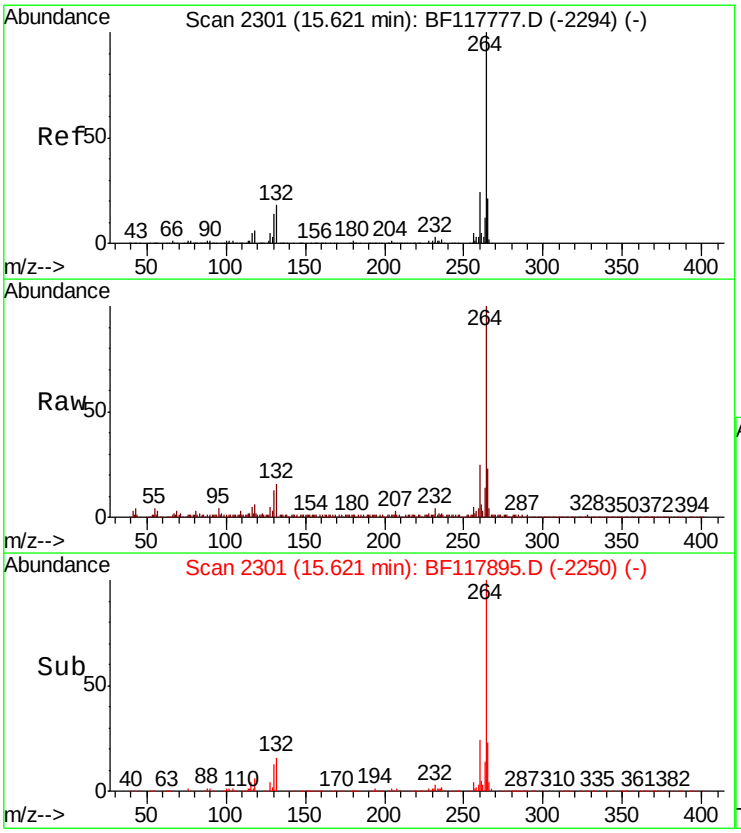
Tgt Ion:276 Resp: 92493

Ion	Ratio	Lower	Upper
276	100		
138	24.3	20.9	31.3
277	27.0	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
600429836

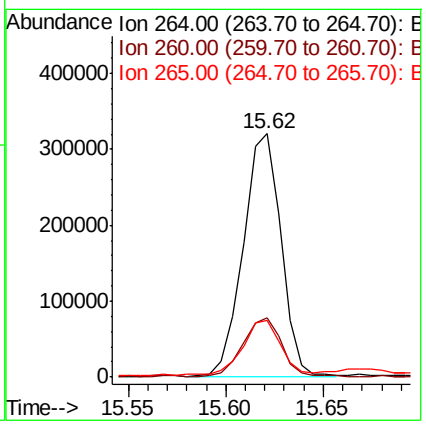
Manual Integrations APPROVED
mohammad
11/21/2019 1:05:18 PM

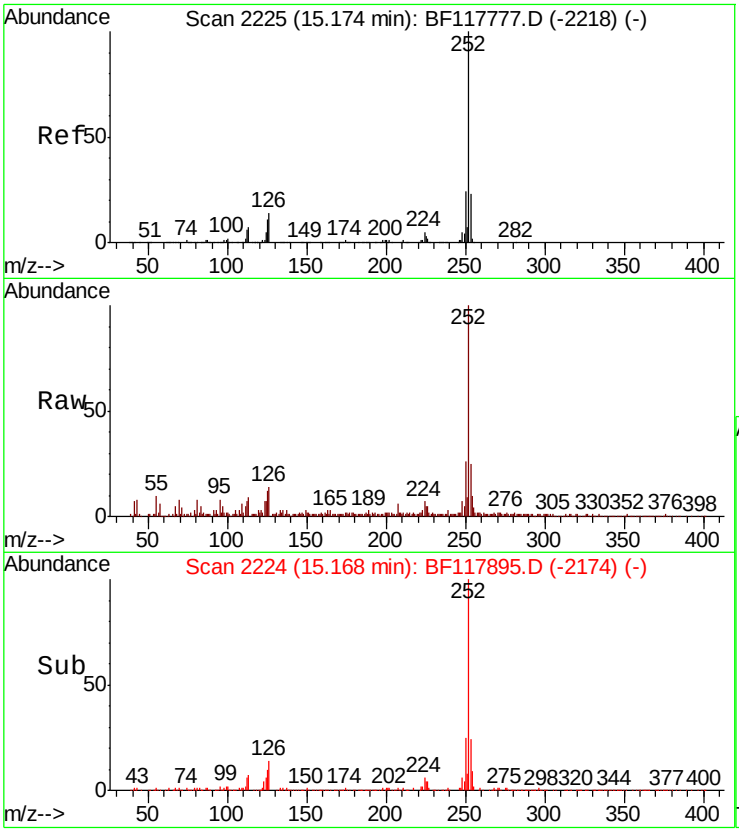


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.62 min Scan# 2301
Delta R.T. -0.00 min
Lab File: BF117895.D
Acq: 20 Nov 2019 16:12

Tgt Ion:264 Resp: 428684

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.4	29.0
265	23.2	17.1	25.7





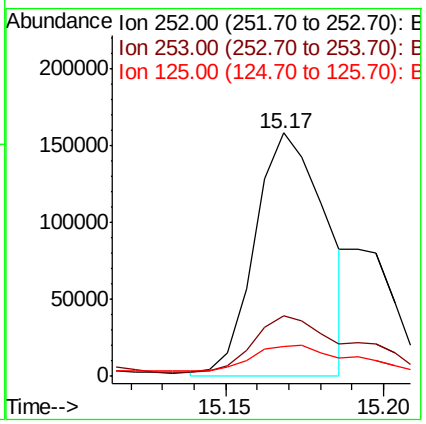
#88
Benzo(b)fluoranthene
Concen: 8.871 ng m
RT: 15.17 min Scan# 2224
Delta R.T. -0.01 min
Lab File: BF117895.D
Acq: 20 Nov 2019 16:12

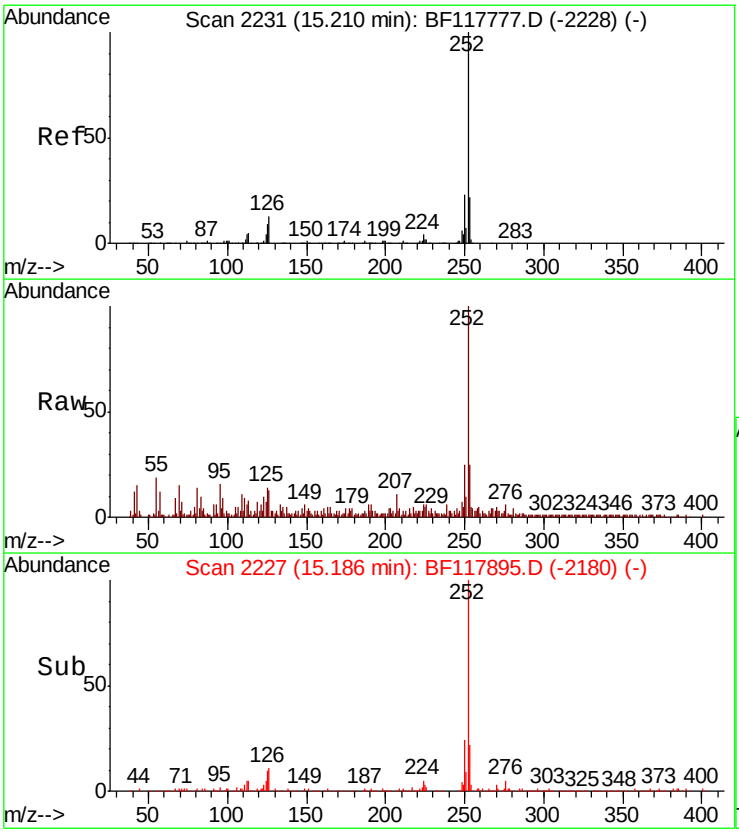
Tgt Ion:252 Resp: 247078

Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.0	27.0
125	12.5	8.6	13.0

Instrument :
BNA_F
ClientSampleId :
600429836

Manual Integrations APPROVED
mohammad
11/21/2019 1:05:18 PM

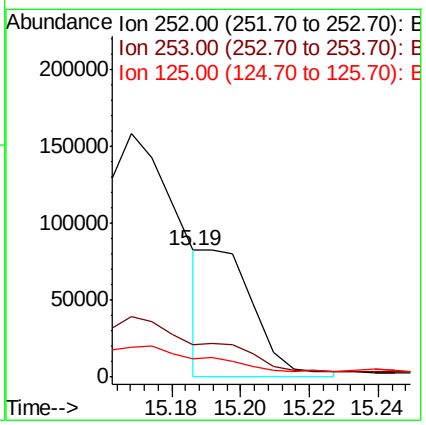


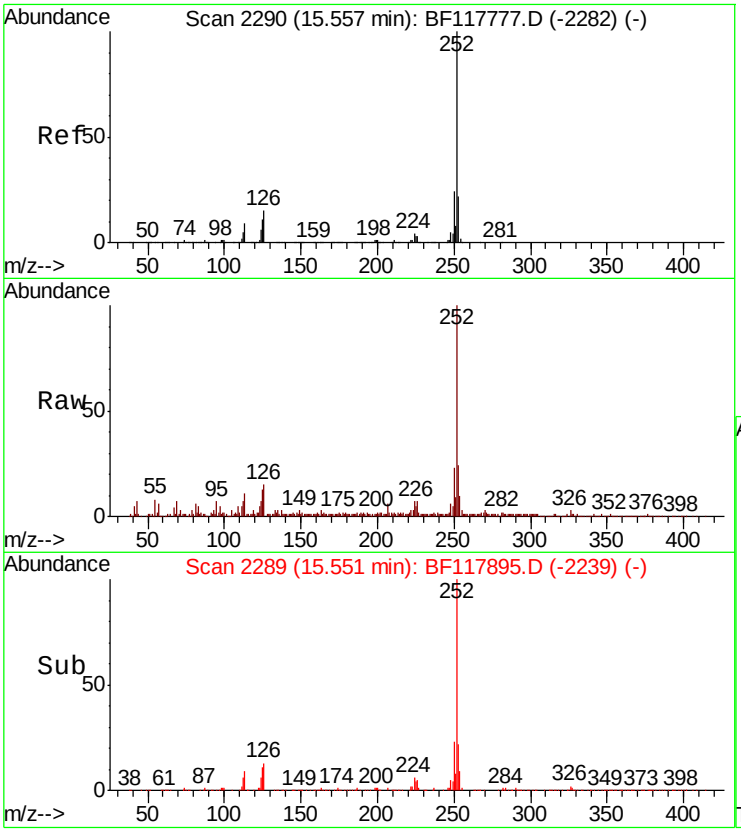


#89
Benzo(k)fluoranthene
Concen: 3.207 ng m
RT: 15.19 min Scan# 2227
Delta R.T. -0.02 min
Lab File: BF117895.D
Acq: 20 Nov 2019 16:12

Tgt Ion:252 Resp: 84165

Ion	Ratio	Lower	Upper
252	100		
253	25.4	17.5	26.3
125	14.4	7.9	11.9#

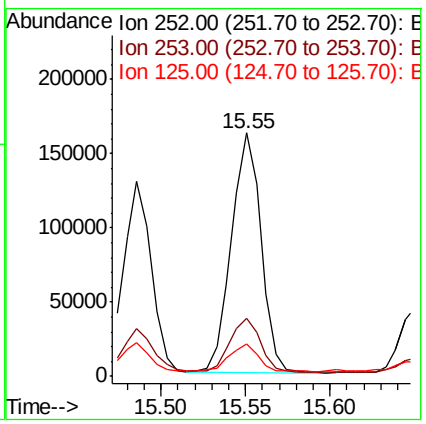




#90
Benzo(a)pyrene
Concen: 8.110 ng
RT: 15.55 min Scan# 2289
Delta R.T. -0.01 min
Lab File: BF117895.D
Acq: 20 Nov 2019 16:12

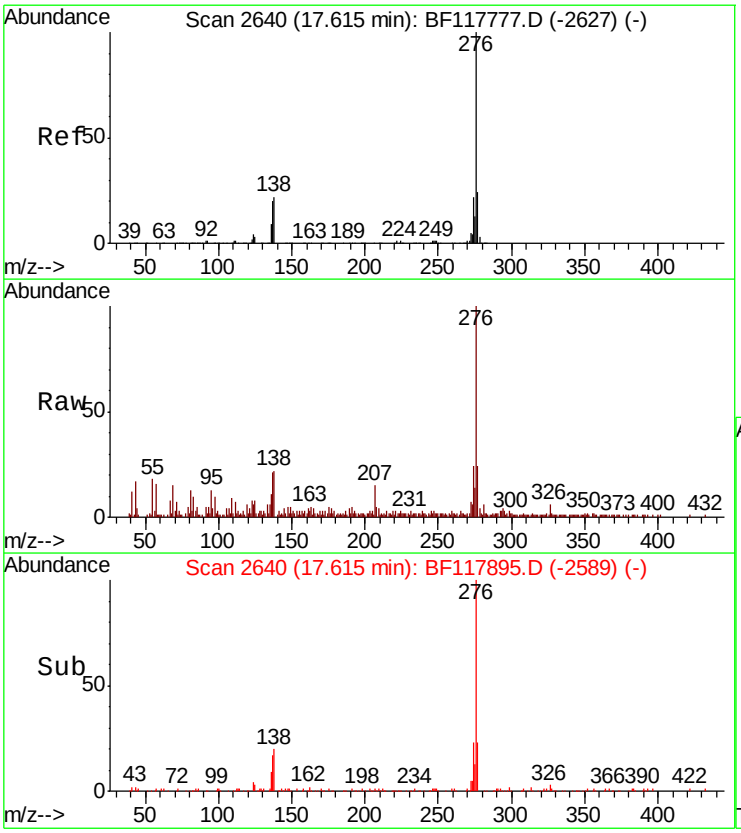
Tgt Ion:252 Resp: 198613

Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.6
125	13.2	9.2	13.8



Instrument :
BNA_F
ClientSampleId :
600429836

Manual Integrations APPROVED
mohammad
11/21/2019 1:05:18 PM



#92
Benzo(g,h,i)perylene
Concen: 5.182 ng
RT: 17.62 min Scan# 2640
Delta R.T. -0.00 min
Lab File: BF117895.D
Acq: 20 Nov 2019 16:12

Tgt Ion:276 Resp: 108805

Ion	Ratio	Lower	Upper
276	100		
277	24.4	18.9	28.3
138	21.9	17.4	26.2