Quantitation Report (QT Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070219\
Data File : BF115382.D
Acq On : 3 Jul 2019 1:19
Operator : HP/JU
Sample : K3158-09DL 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-01-062819DL

Manual Integrations APPROVED
mohammad
7/3/2019 10:52:13 PM

Quant Time: Jul 03 06:54:32 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 28 05:26:43 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.61	152	195729	20.00	ng	0.00
21) Naphthalene-d8	7.89	136	774094	20.00	ng	0.00
39) Acenaphthene-d10	9.64	164	365734	20.00	ng	0.01
64) Phenanthrene-d10	11.11	188	654957	20.00	ng	0.02
76) Chrysene-d12	13.74	240	435515	20.00	ng	0.02
87) Perylene-d12	15.11	264	346067	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.19	112	130184	10.26	ng	0.00
7) Phenol-d6	6.24	99	174439	11.33	ng	0.00
23) Nitrobenzene-d5	7.17	82	99227	7.89	ng	0.00
42) 2,4,6-Tribromophenol	10.42	330	38400	9.96	ng	0.01
45) 2-Fluorobiphenyl	8.97	172	222435	10.33	ng	0.00
79) Terphenyl-d14	12.70	244	196903	9.61	ng	0.02
Target Compounds						Qvalue
31) Naphthalene	7.91	128	93448	2.459	ng	98
52) Acenaphthene	9.67	154	98925	4.275	ng	99
55) Dibenzofuran	9.84	168	194524	5.856	ng	96
58) Fluorene	10.18	166	286124	7.440	ng	98
71) Phenanthrene	11.14	178	1678424	47.596	ng	100
72) Anthracene	11.19	178	432050	12.137	ng	98
73) Carbazole	11.34	167	163547	5.145	ng	98
75) Fluoranthene	12.32	202	1114128	31.666	ng	98
78) Pyrene	12.55	202	885852	26.467	ng	99
81) Benzo(a)anthracene	13.73	228	333503	10.672	ng	99
83) Chrysene	13.77	228	261797	9.146	ng	96
88) Benzo(b)fluoranthene	14.74	252	203035m	9.403	ng	
89) Benzo(k)fluoranthene	14.76	252	65174m	3.366	ng	
90) Benzo(a)pyrene	15.06	252	140435	7.216	ng	99
92) Benzo(g,h,i)perylene	16.77	276	45257	2.461	ng	95

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

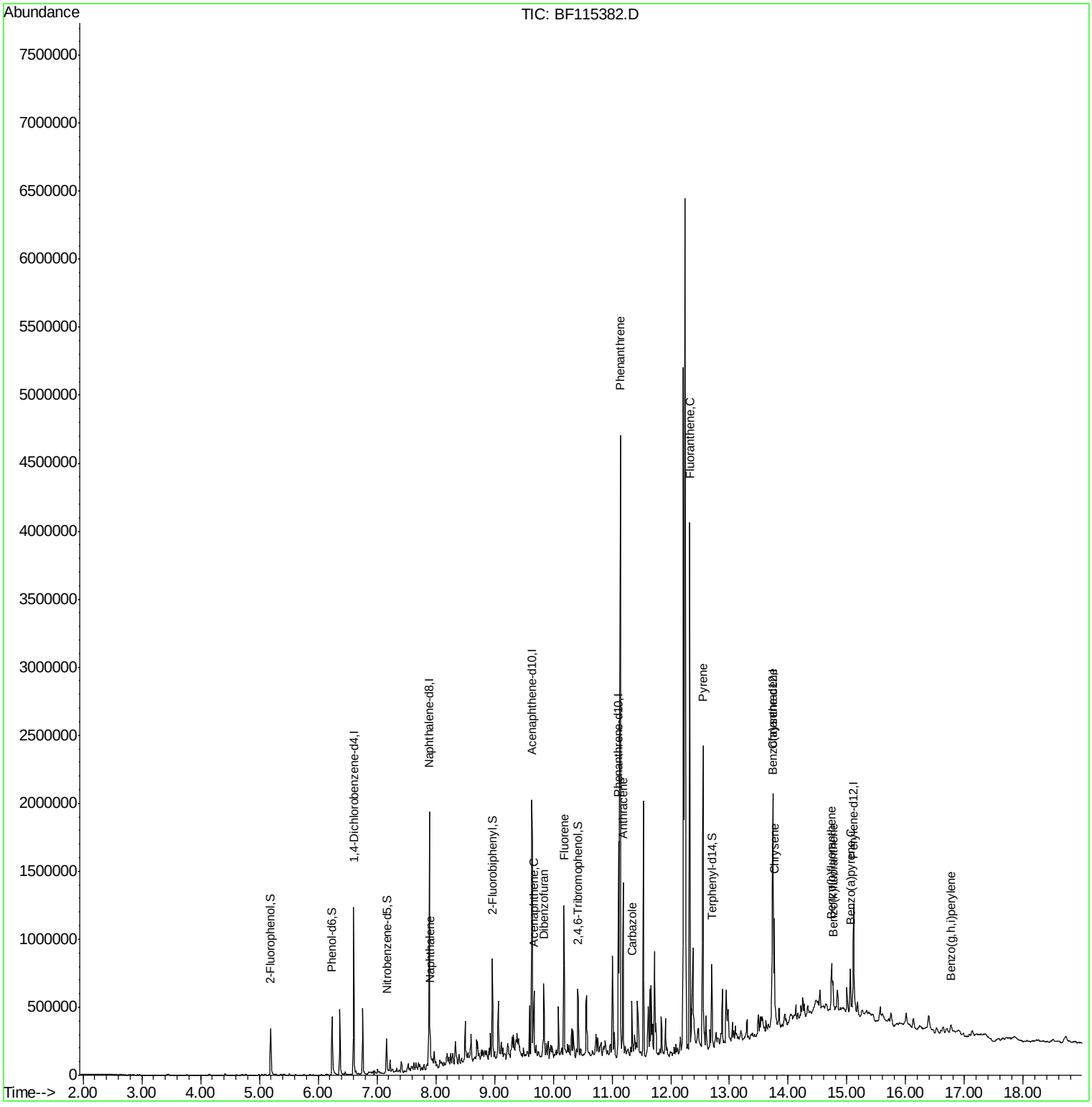
Quantitation Report (QT Reviewed)

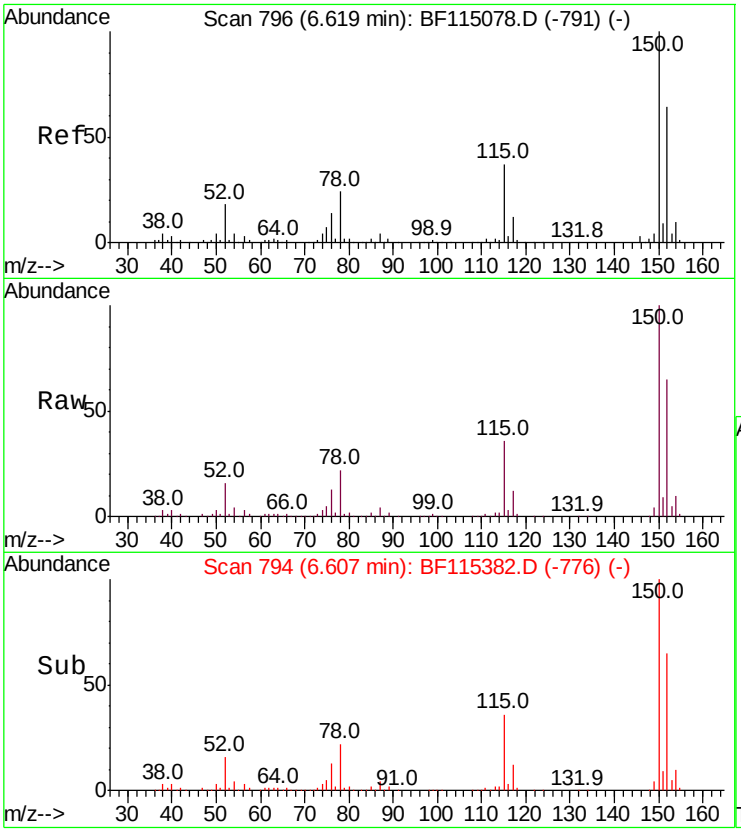
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF070219\
Data File : BF115382.D
Acq On : 3 Jul 2019 1:19
Operator : HP/JU
Sample : K3158-09DL 10X
Misc :
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jul 03 06:54:32 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF062119.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 28 05:26:43 2019
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
OK-01-062819DL

Manual Integrations APPROVED
mohammad
7/3/2019 10:52:13 PM

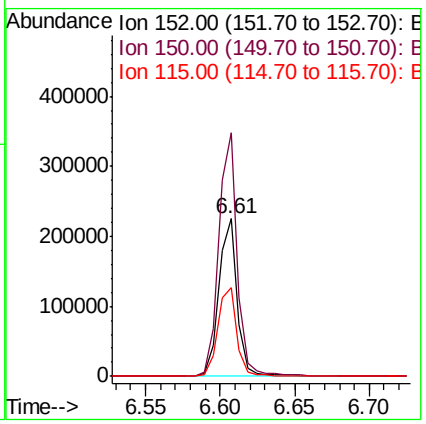




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.61 min Scan# 794
Delta R.T. 0.01 min
Lab File: BF115382.D
Acq: 3 Jul 2019 1:19

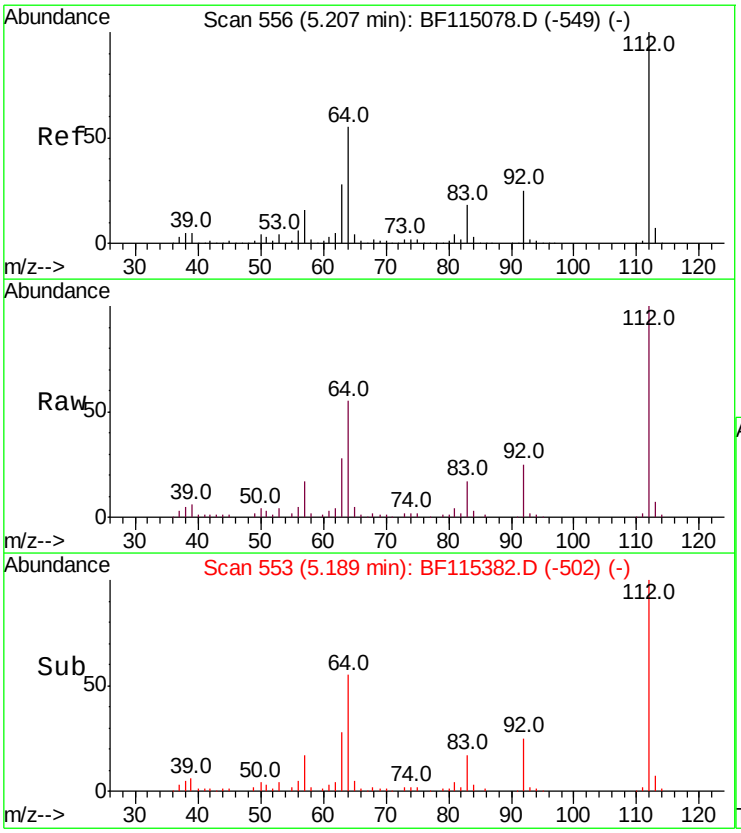
Tgt Ion:152 Resp: 195729

Ion	Ratio	Lower	Upper
152	100		
150	154.4	124.2	186.2
115	56.3	46.1	69.1



Instrument :
BNA_F
ClientSampleId :
OK-01-062819DL

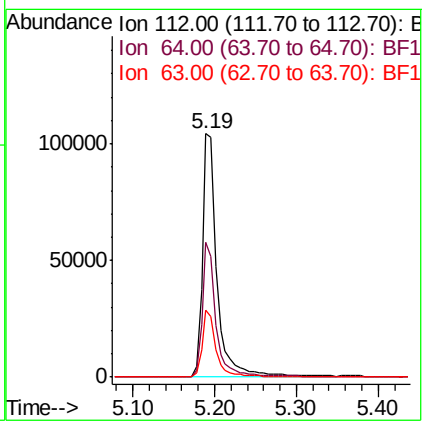
Manual Integrations APPROVED
mohammad
7/3/2019 10:52:13 PM

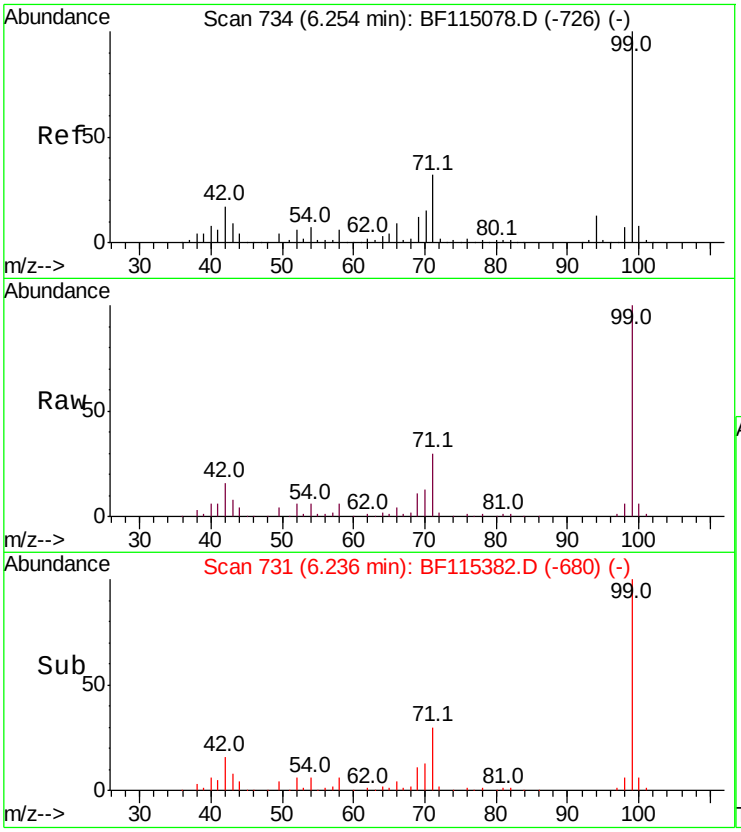


#5
2-Fluorophenol
Concen: 10.264 ng
RT: 5.19 min Scan# 553
Delta R.T. 0.00 min
Lab File: BF115382.D
Acq: 3 Jul 2019 1:19

Tgt Ion:112 Resp: 130184

Ion	Ratio	Lower	Upper
112	100		
64	55.3	43.8	65.6
63	27.6	22.2	33.4

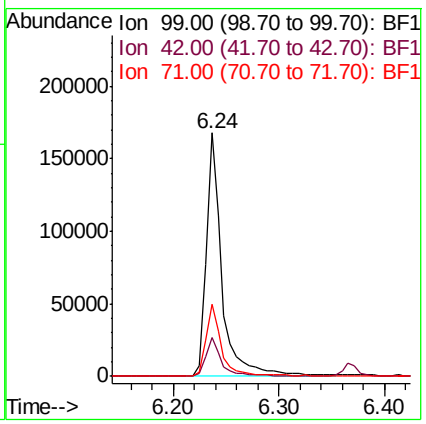




#7
Phenol-d6
Concen: 11.331 ng
RT: 6.24 min Scan# 731
Delta R.T. 0.00 min
Lab File: BF115382.D
Acq: 3 Jul 2019 1:19

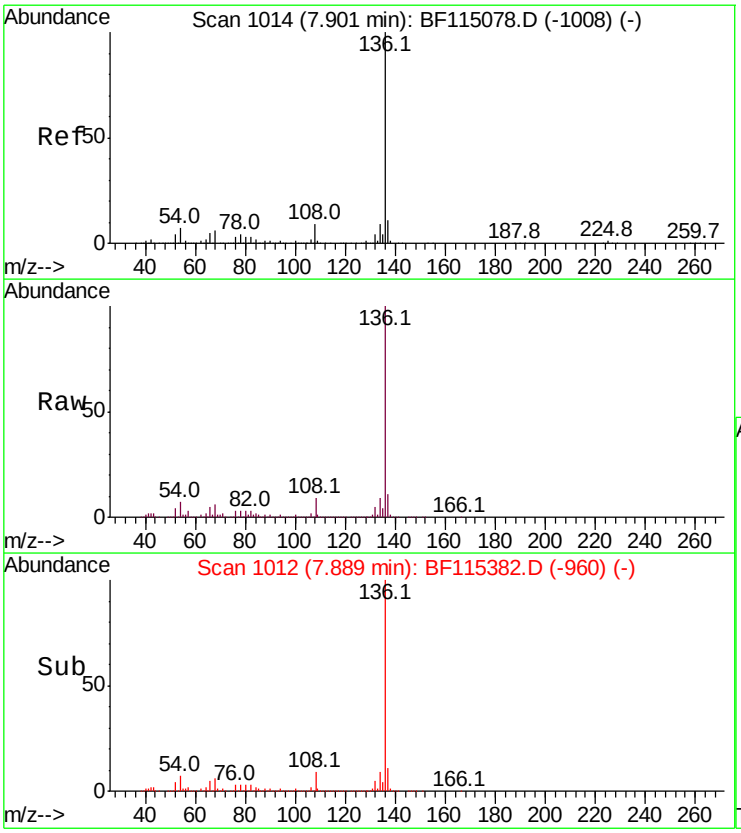
Tgt Ion: 99 Resp: 174439

Ion	Ratio	Lower	Upper
99	100		
42	16.2	13.6	20.4
71	29.7	25.5	38.3



Instrument :
BNA_F
ClientSampleId :
OK-01-062819DL

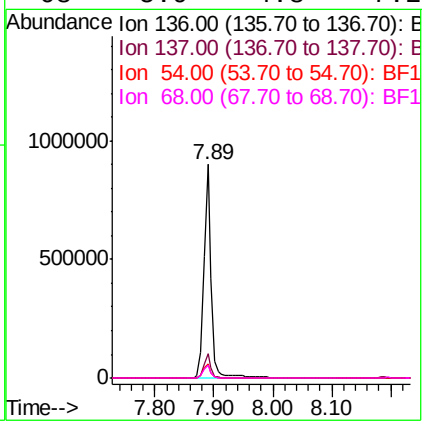
Manual Integrations APPROVED
mohammad
7/3/2019 10:52:13 PM

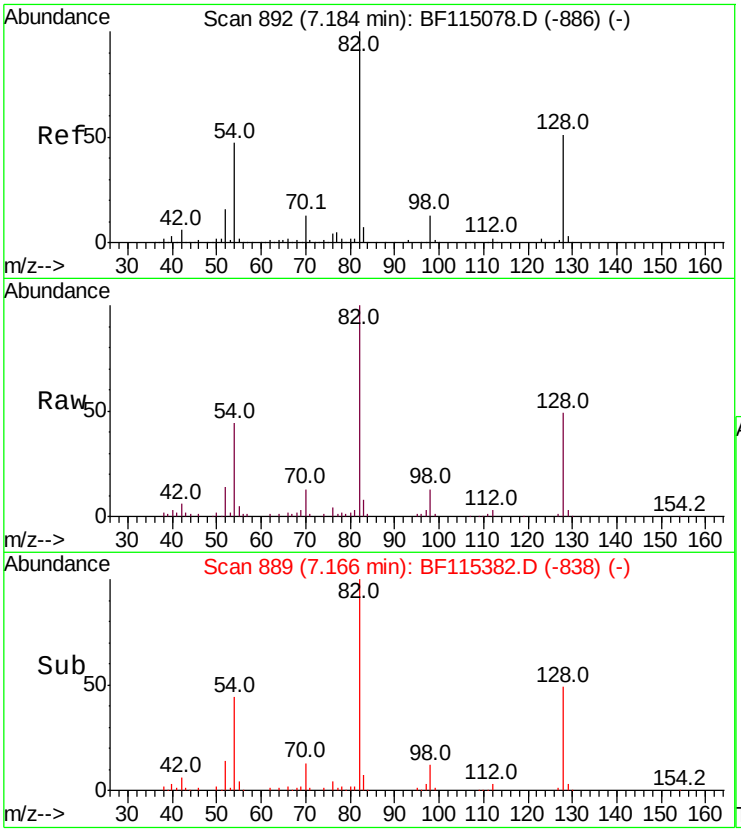


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.89 min Scan# 1012
Delta R.T. 0.01 min
Lab File: BF115382.D
Acq: 3 Jul 2019 1:19

Tgt Ion:136 Resp: 774094

Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.9	13.3
54	6.7	5.6	8.4
68	5.9	4.8	7.2

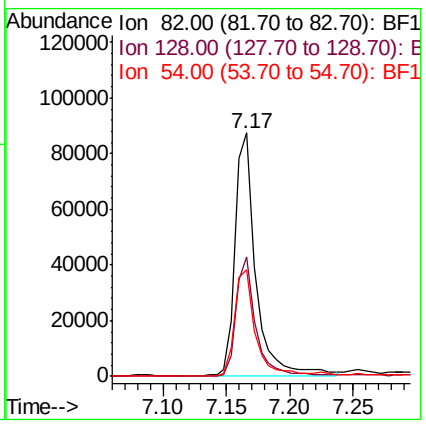




#23
Nitrobenzene-d5
Concen: 7.885 ng
RT: 7.17 min Scan# 889
Delta R.T. 0.00 min
Lab File: BF115382.D
Acq: 3 Jul 2019 1:19

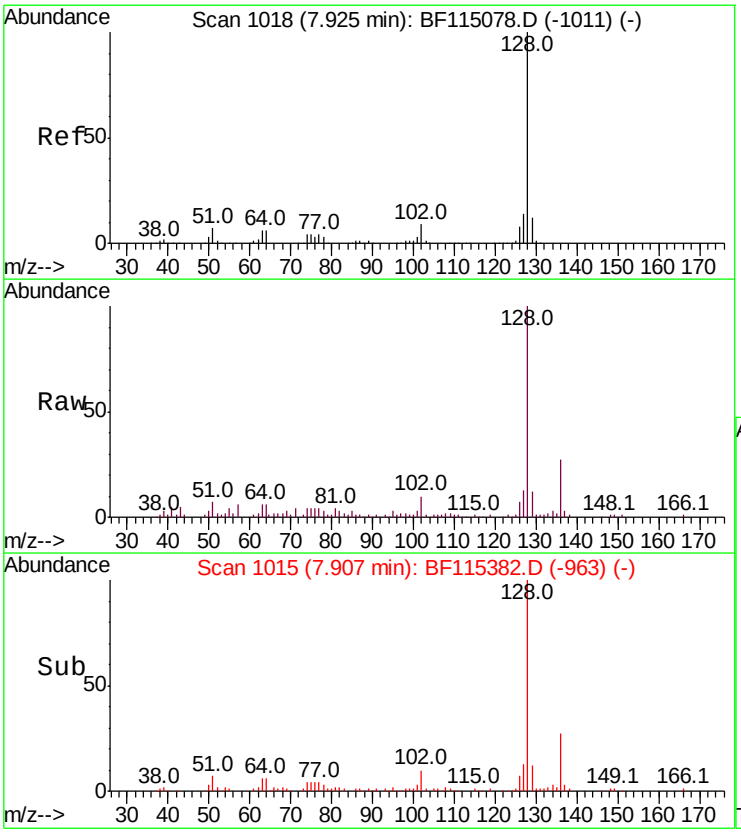
Tgt Ion: 82 Resp: 99227

Ion	Ratio	Lower	Upper
82	100		
128	48.8	40.4	60.6
54	43.8	37.5	56.3



Instrument :
BNA_F
ClientSampleId :
OK-01-062819DL

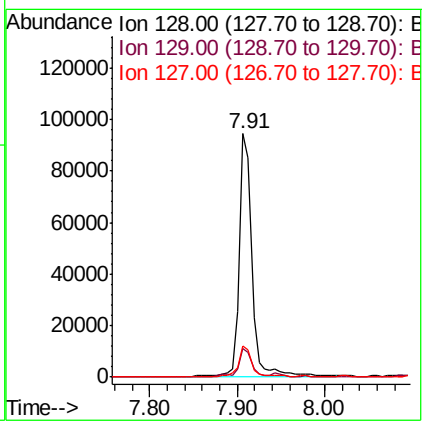
Manual Integrations APPROVED
mohammad
7/3/2019 10:52:13 PM

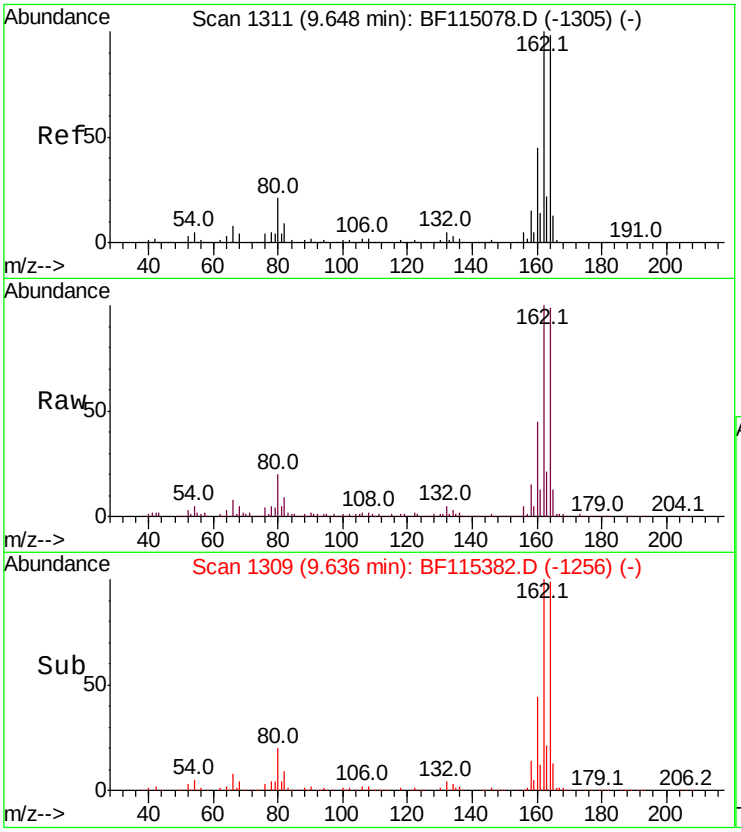


#31
Naphthalene
Concen: 2.459 ng
RT: 7.91 min Scan# 1015
Delta R.T. 0.01 min
Lab File: BF115382.D
Acq: 3 Jul 2019 1:19

Tgt Ion:128 Resp: 93448

Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.6	14.4
127	13.0	11.4	17.0

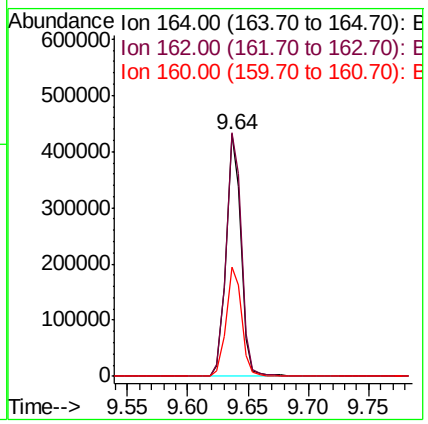




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.64 min Scan# 1309
Delta R.T. 0.01 min
Lab File: BF115382.D
Acq: 3 Jul 2019 1:19

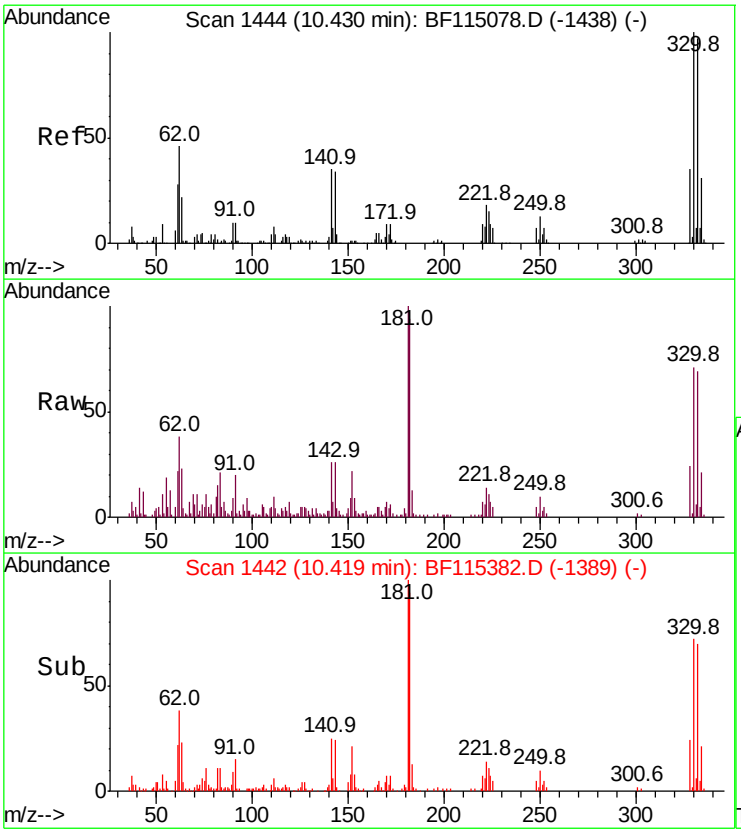
Tgt Ion:164 Resp: 365734

Ion	Ratio	Lower	Upper
164	100		
162	100.7	81.7	122.5
160	45.0	37.0	55.4



Instrument :
BNA_F
ClientSampleId :
OK-01-062819DL

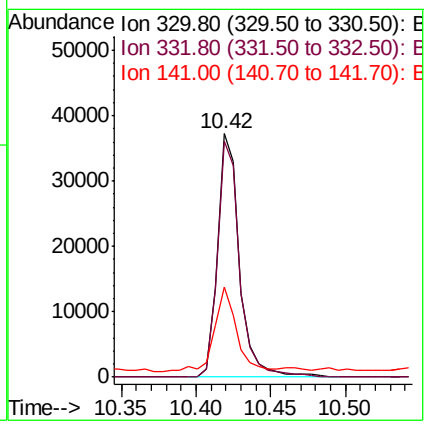
Manual Integrations APPROVED
mohammad
7/3/2019 10:52:13 PM

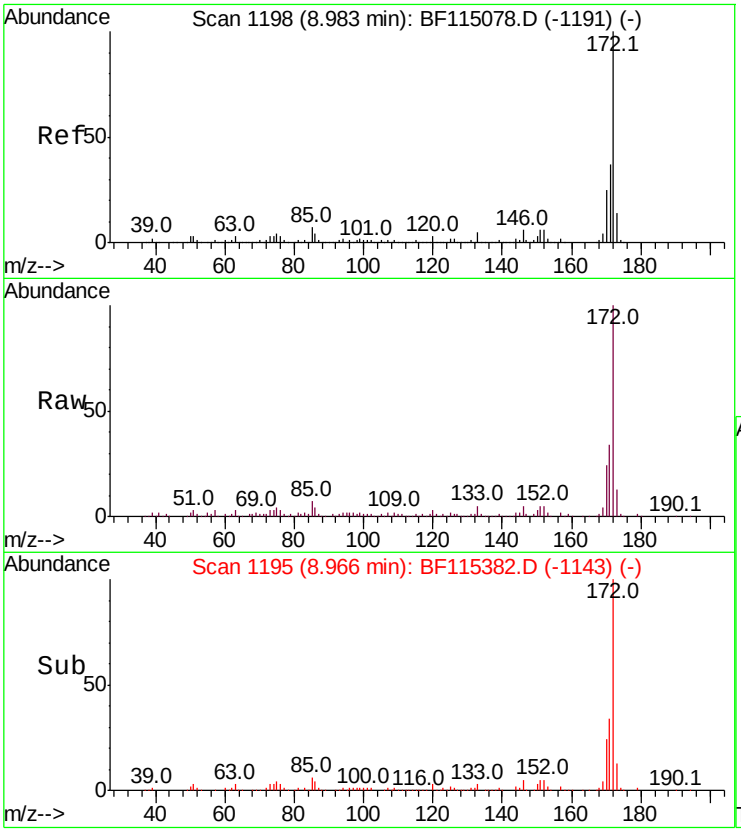


#42
2,4,6-Tribromophenol
Concen: 9.956 ng
RT: 10.42 min Scan# 1442
Delta R.T. 0.01 min
Lab File: BF115382.D
Acq: 3 Jul 2019 1:19

Tgt Ion:330 Resp: 38400

Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.3	115.9
141	34.2	28.2	42.2

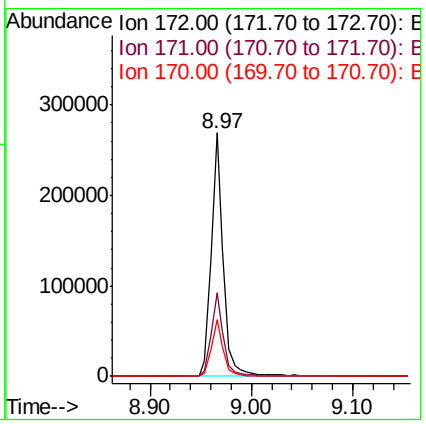




#45
2-Fluorobiphenyl
Concen: 10.331 ng
RT: 8.97 min Scan# 1195
Delta R.T. 0.01 min
Lab File: BF115382.D
Acq: 3 Jul 2019 1:19

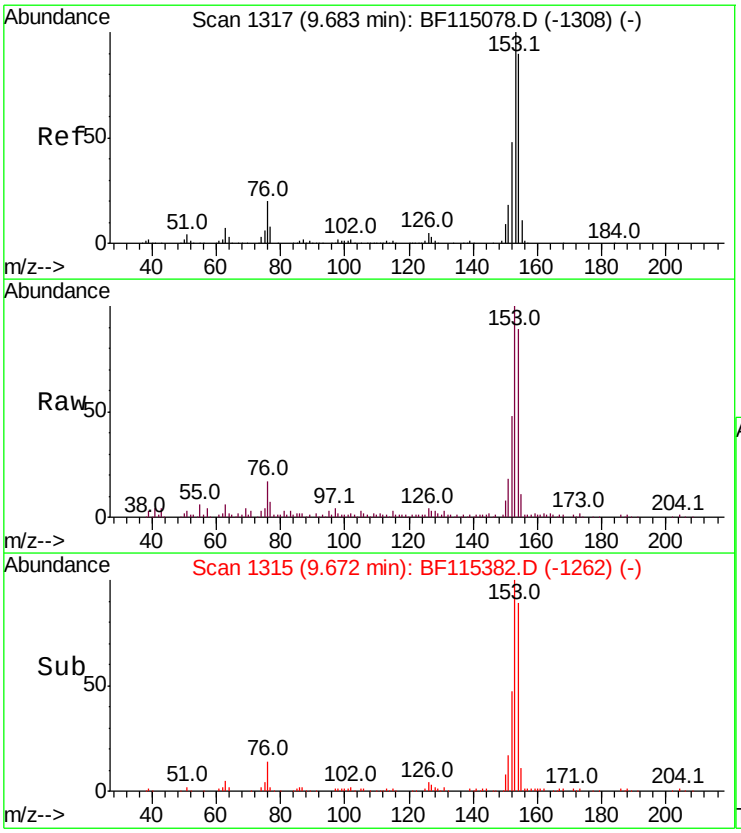
Tgt Ion:172 Resp: 222435

Ion	Ratio	Lower	Upper
172	100		
171	34.5	29.8	44.6
170	23.5	20.3	30.5



Instrument :
BNA_F
ClientSampleId :
OK-01-062819DL

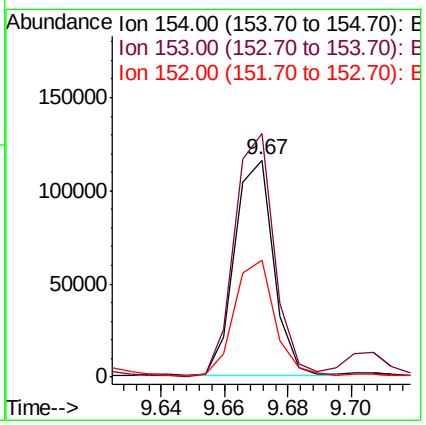
Manual Integrations APPROVED
mohammad
7/3/2019 10:52:13 PM

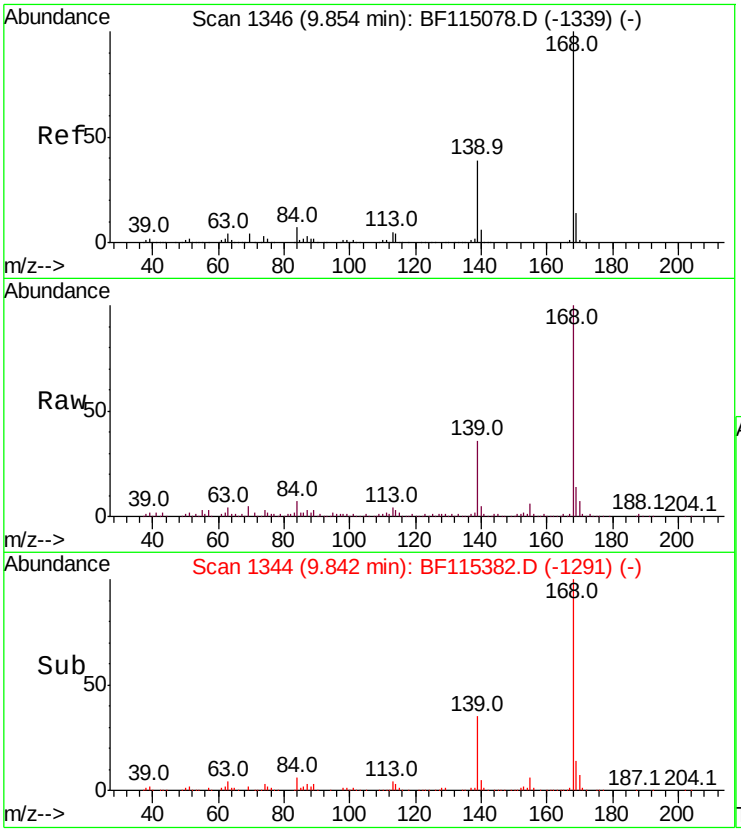


#52
Acenaphthene
Concen: 4.275 ng
RT: 9.67 min Scan# 1315
Delta R.T. 0.01 min
Lab File: BF115382.D
Acq: 3 Jul 2019 1:19

Tgt Ion:154 Resp: 98925

Ion	Ratio	Lower	Upper
154	100		
153	112.1	88.7	133.1
152	53.6	42.6	64.0

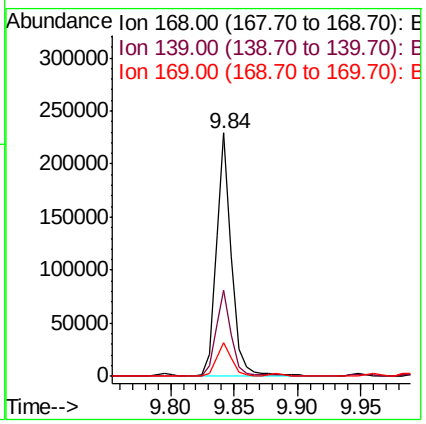




#55
Dibenzofuran
Concen: 5.856 ng
RT: 9.84 min Scan# 1344
Delta R.T. 0.01 min
Lab File: BF115382.D
Acq: 3 Jul 2019 1:19

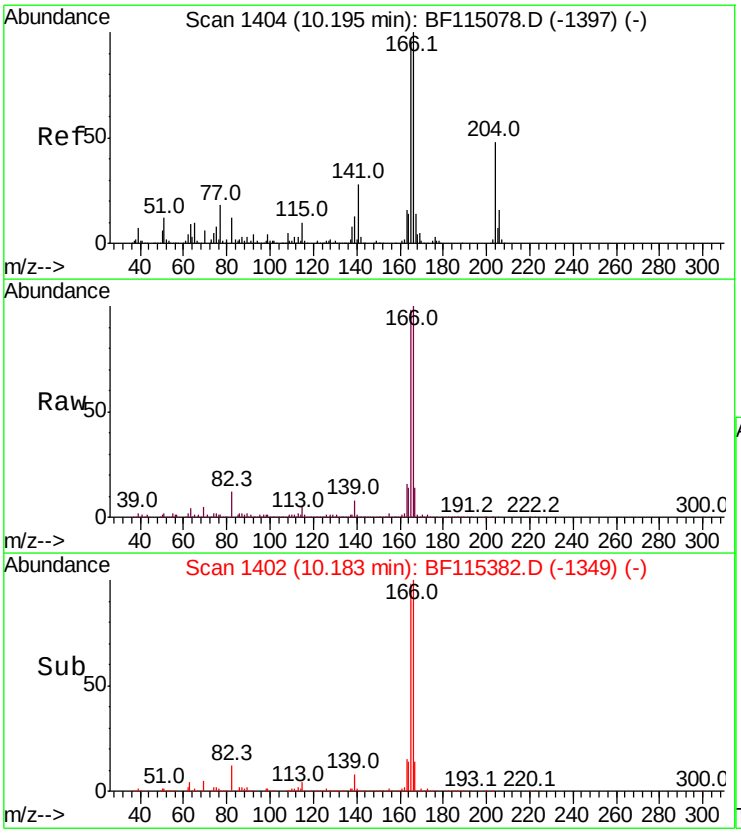
Tgt Ion:168 Resp: 194524

Ion	Ratio	Lower	Upper
168	100		
139	35.6	31.1	46.7
169	13.9	11.3	16.9



Instrument :
BNA_F
ClientSampleId :
OK-01-062819DL

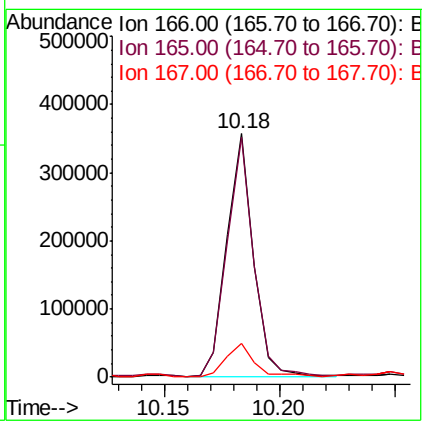
Manual Integrations APPROVED
mohammad
7/3/2019 10:52:13 PM

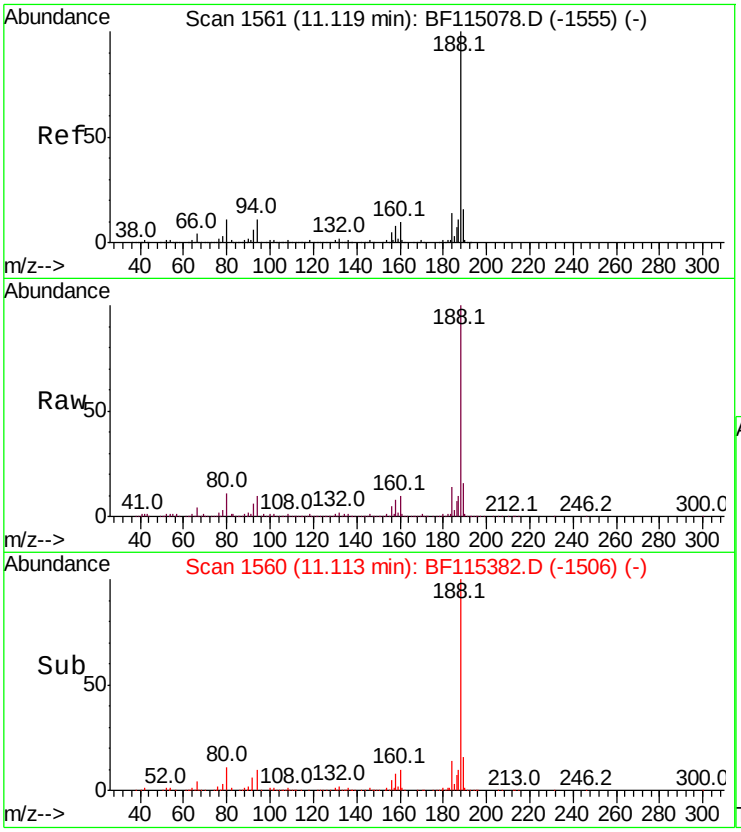


#58
Fluorene
Concen: 7.440 ng
RT: 10.18 min Scan# 1402
Delta R.T. 0.01 min
Lab File: BF115382.D
Acq: 3 Jul 2019 1:19

Tgt Ion:166 Resp: 286124

Ion	Ratio	Lower	Upper
166	100		
165	98.2	76.5	114.7
167	14.0	11.0	16.4

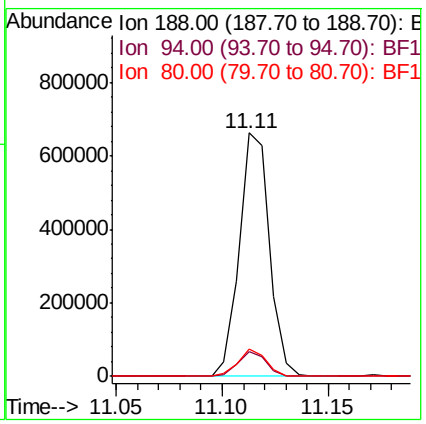




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.11 min Scan# 1560
Delta R.T. 0.02 min
Lab File: BF115382.D
Acq: 3 Jul 2019 1:19

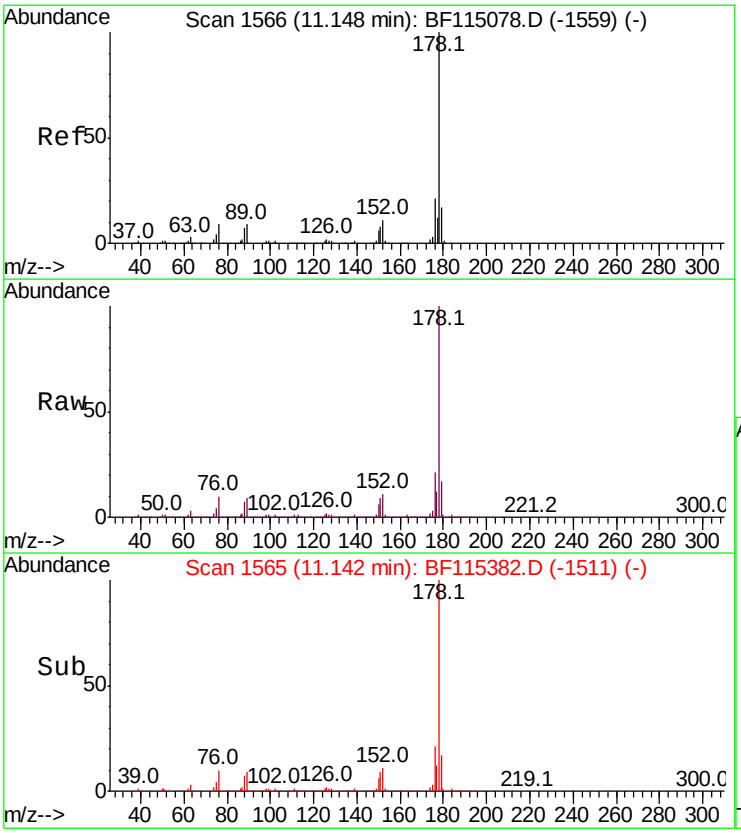
Tgt Ion:188 Resp: 654957

Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.6	12.8
80	11.1	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
OK-01-062819DL

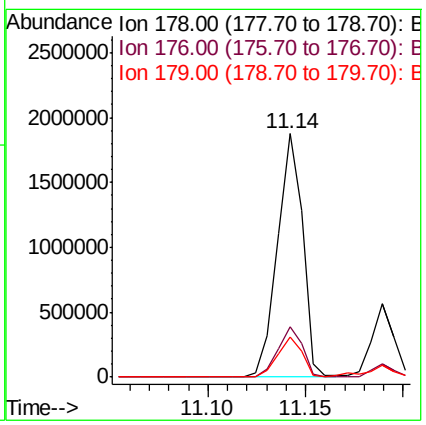
Manual Integrations APPROVED
mohammad
7/3/2019 10:52:13 PM

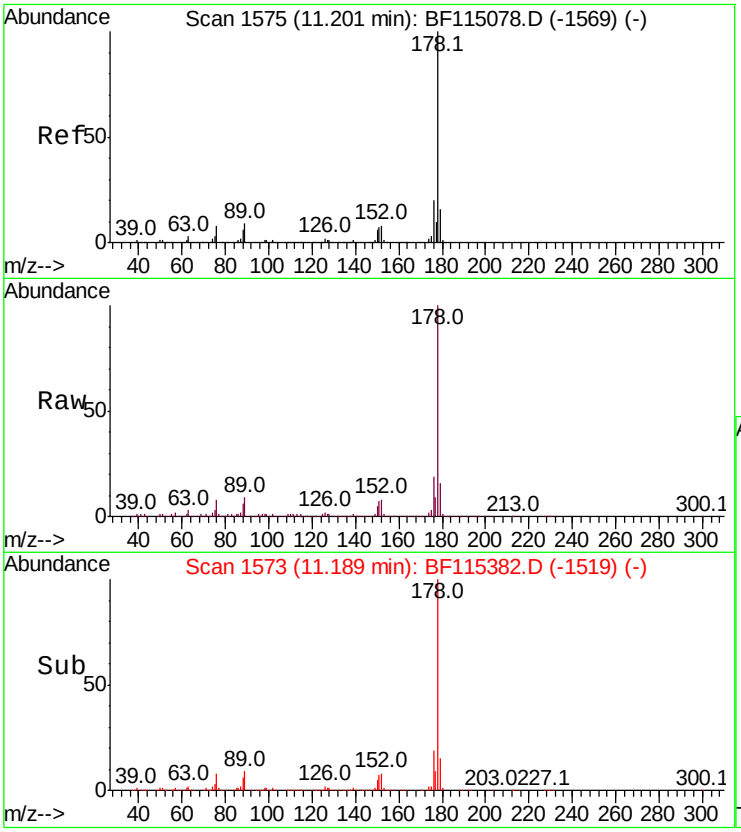


#71
Phenanthrene
Concen: 47.596 ng
RT: 11.14 min Scan# 1565
Delta R.T. 0.02 min
Lab File: BF115382.D
Acq: 3 Jul 2019 1:19

Tgt Ion:178 Resp: 1678424

Ion	Ratio	Lower	Upper
178	100		
176	20.8	16.9	25.3
179	16.6	13.2	19.8

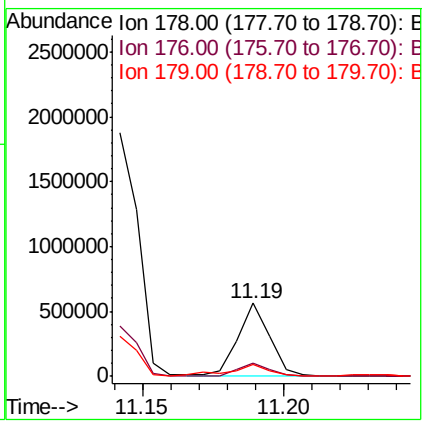




#72
Anthracene
Concen: 12.137 ng
RT: 11.19 min Scan# 1573
Delta R.T. 0.02 min
Lab File: BF115382.D
Acq: 3 Jul 2019 1:19

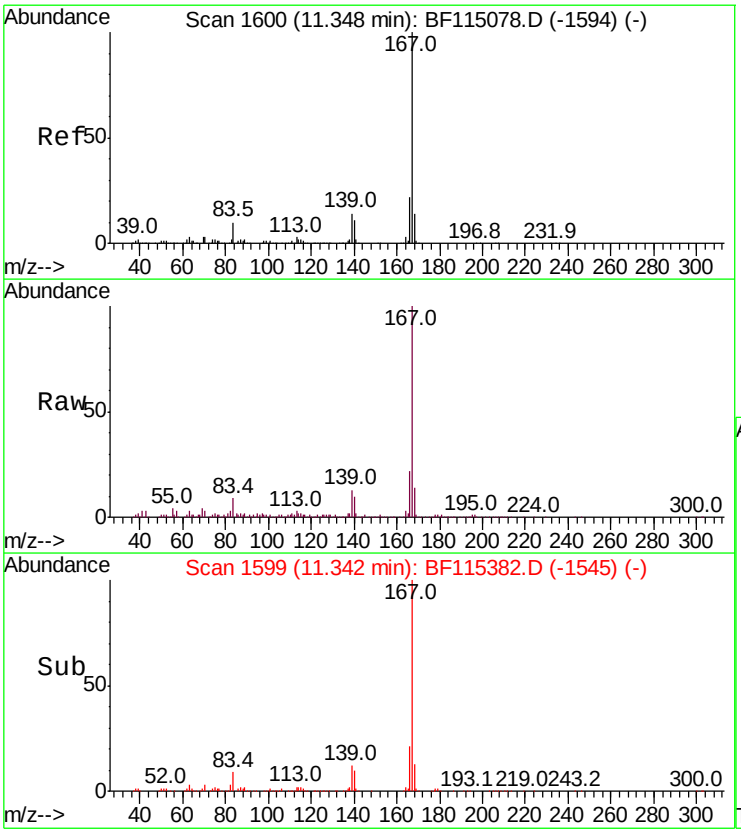
Tgt Ion:178 Resp: 432050

Ion	Ratio	Lower	Upper
178	100		
176	18.8	16.1	24.1
179	15.7	12.9	19.3



Instrument :
BNA_F
ClientSampleId :
OK-01-062819DL

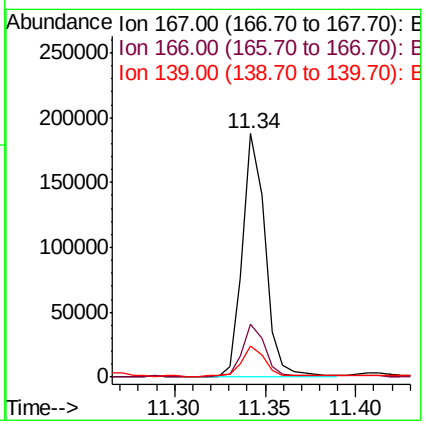
Manual Integrations APPROVED
mohammad
7/3/2019 10:52:13 PM

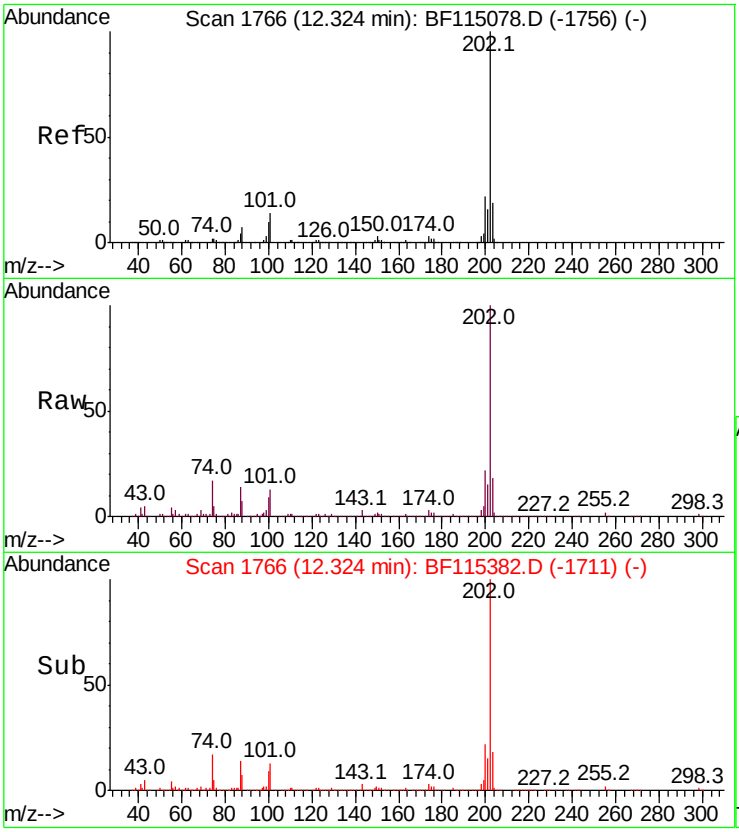


#73
Carbazole
Concen: 5.145 ng
RT: 11.34 min Scan# 1599
Delta R.T. 0.02 min
Lab File: BF115382.D
Acq: 3 Jul 2019 1:19

Tgt Ion:167 Resp: 163547

Ion	Ratio	Lower	Upper
167	100		
166	21.6	18.0	27.0
139	12.9	11.1	16.7

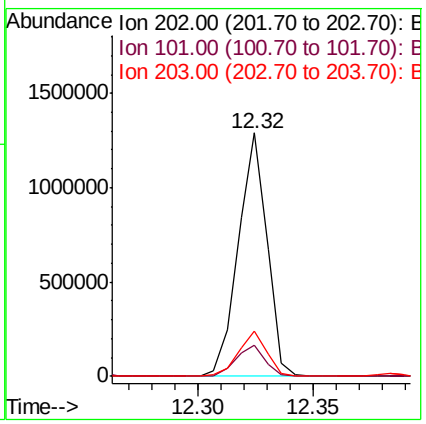




#75
Fluoranthene
Concen: 31.666 ng
RT: 12.32 min Scan# 1766
Delta R.T. 0.02 min
Lab File: BF115382.D
Acq: 3 Jul 2019 1:19

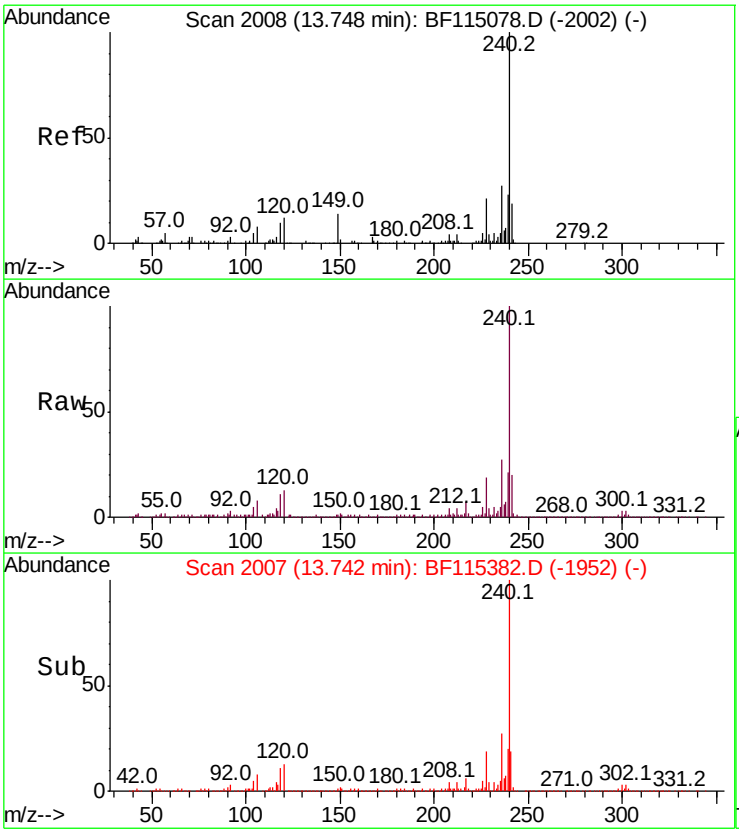
Tgt Ion:202 Resp: 1114128

Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	34.0
203	18.3	0.0	38.8



Instrument :
BNA_F
ClientSampleId :
OK-01-062819DL

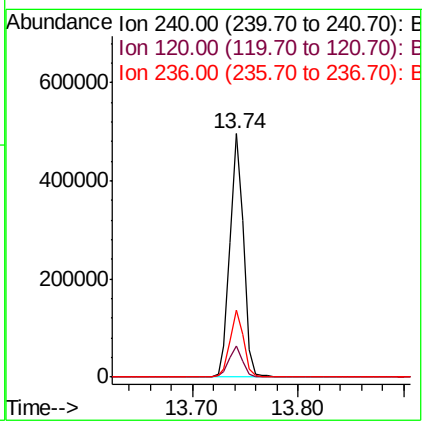
Manual Integrations APPROVED
mohammad
7/3/2019 10:52:13 PM

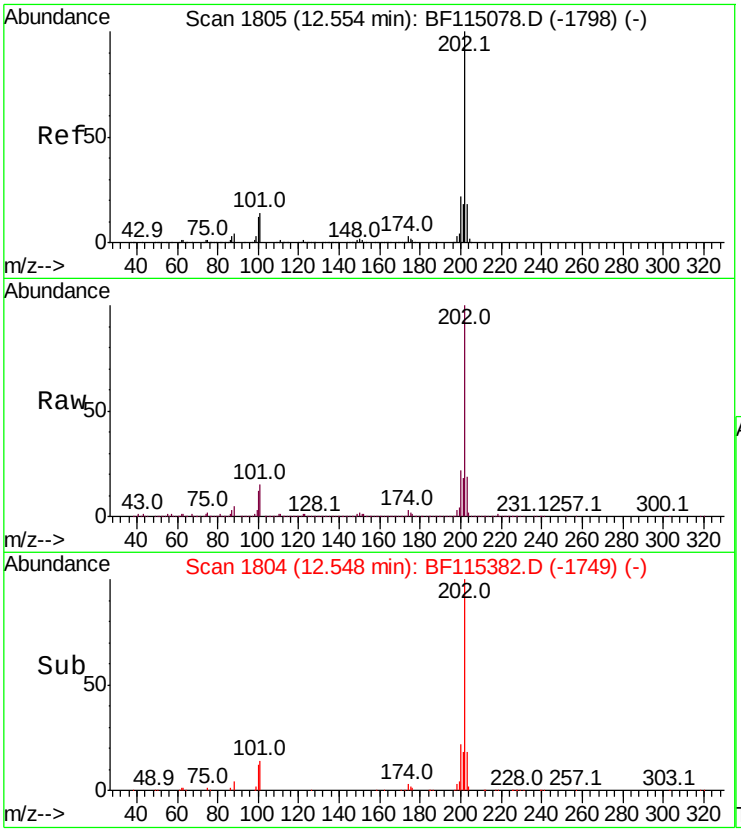


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.74 min Scan# 2007
Delta R.T. 0.02 min
Lab File: BF115382.D
Acq: 3 Jul 2019 1:19

Tgt Ion:240 Resp: 435515

Ion	Ratio	Lower	Upper
240	100		
120	12.8	9.4	14.2
236	27.4	21.7	32.5

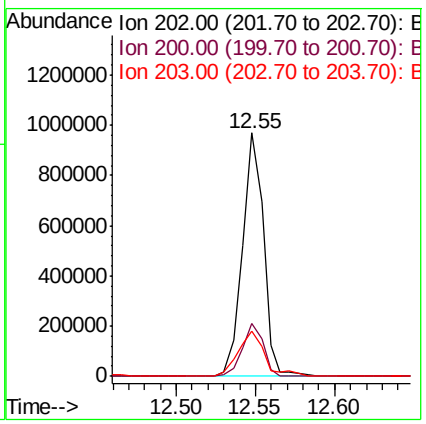




#78
Pyrene
Concen: 26.467 ng
RT: 12.55 min Scan# 1804
Delta R.T. 0.02 min
Lab File: BF115382.D
Acq: 3 Jul 2019 1:19

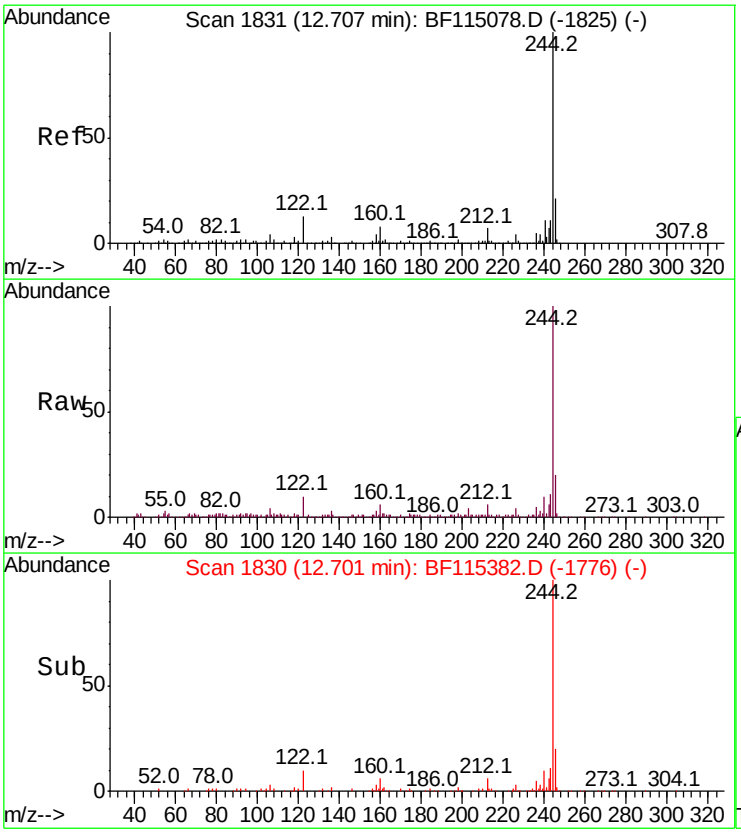
Tgt Ion:202 Resp: 885852

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.9	26.9
203	18.5	14.6	21.8



Instrument :
BNA_F
ClientSampleId :
OK-01-062819DL

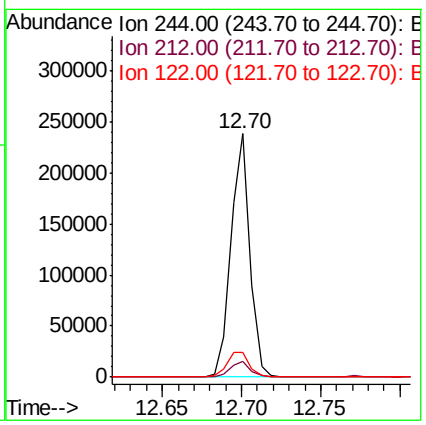
Manual Integrations APPROVED
mohammad
7/3/2019 10:52:13 PM

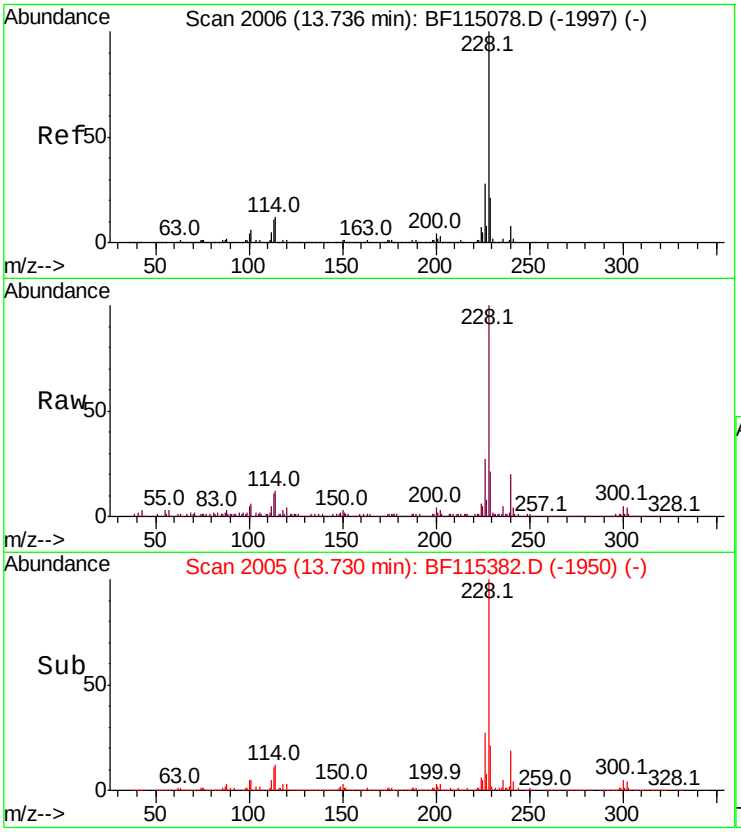


#79
Terphenyl-d14
Concen: 9.613 ng
RT: 12.70 min Scan# 1830
Delta R.T. 0.02 min
Lab File: BF115382.D
Acq: 3 Jul 2019 1:19

Tgt Ion:244 Resp: 196903

Ion	Ratio	Lower	Upper
244	100		
212	6.2	5.8	8.6
122	10.3	10.4	15.6#

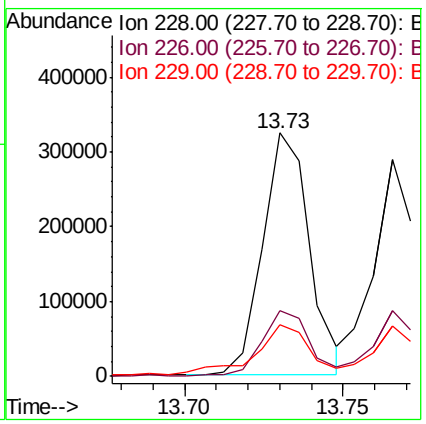




#81
Benzo(a)anthracene
Concen: 10.672 ng
RT: 13.73 min Scan# 2005
Delta R.T. 0.02 min
Lab File: BF115382.D
Acq: 3 Jul 2019 1:19

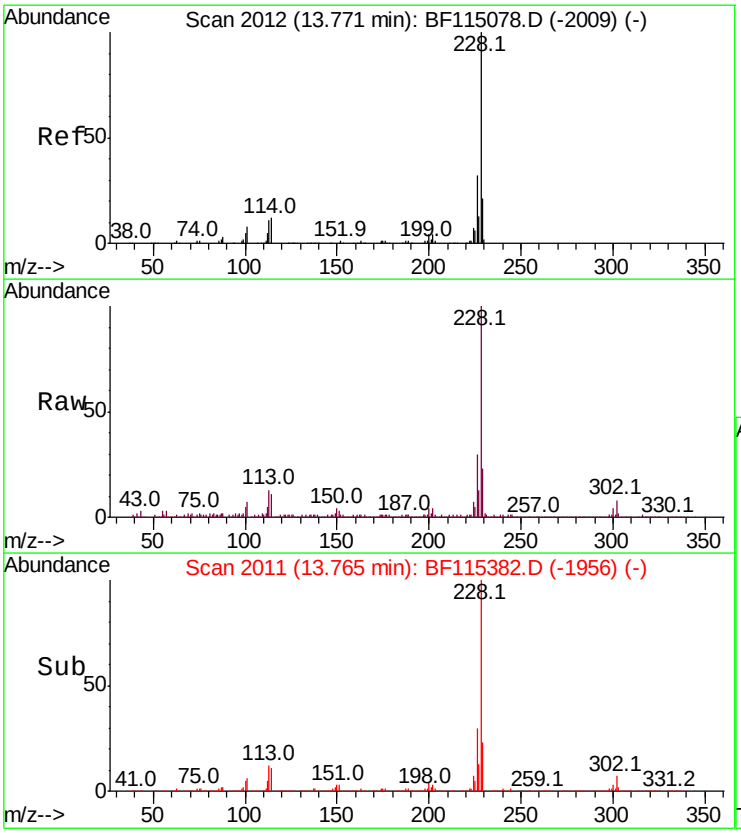
Tgt Ion:228 Resp: 333503

Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.5	33.7
229	21.1	16.6	24.8



Instrument :
BNA_F
ClientSampleId :
OK-01-062819DL

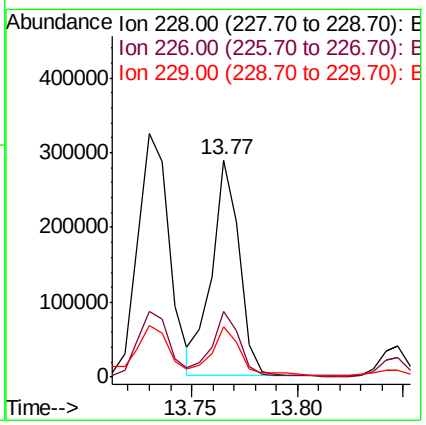
Manual Integrations APPROVED
mohammad
7/3/2019 10:52:13 PM

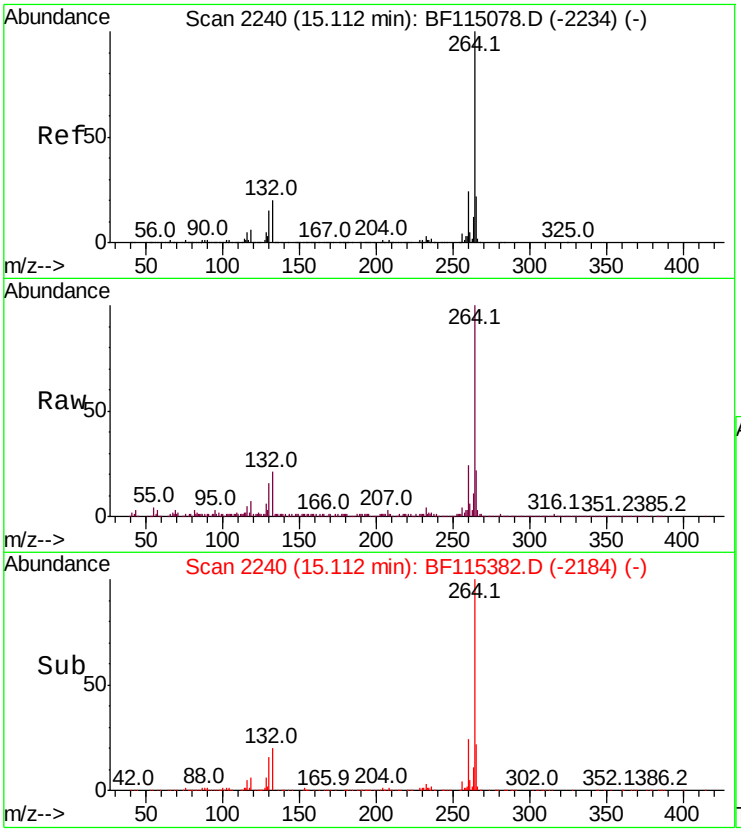


#83
Chrysene
Concen: 9.146 ng
RT: 13.77 min Scan# 2011
Delta R.T. 0.02 min
Lab File: BF115382.D
Acq: 3 Jul 2019 1:19

Tgt Ion:228 Resp: 261797

Ion	Ratio	Lower	Upper
228	100		
226	30.5	25.4	38.0
229	23.4	16.5	24.7

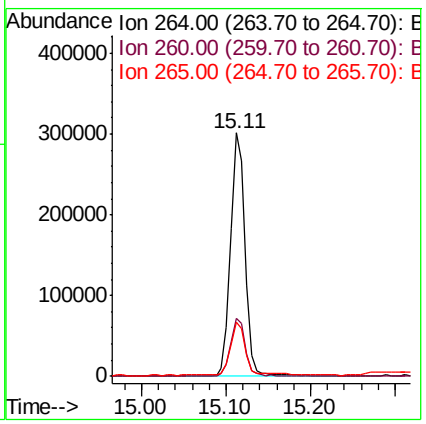




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.11 min Scan# 2240
Delta R.T. 0.03 min
Lab File: BF115382.D
Acq: 3 Jul 2019 1:19

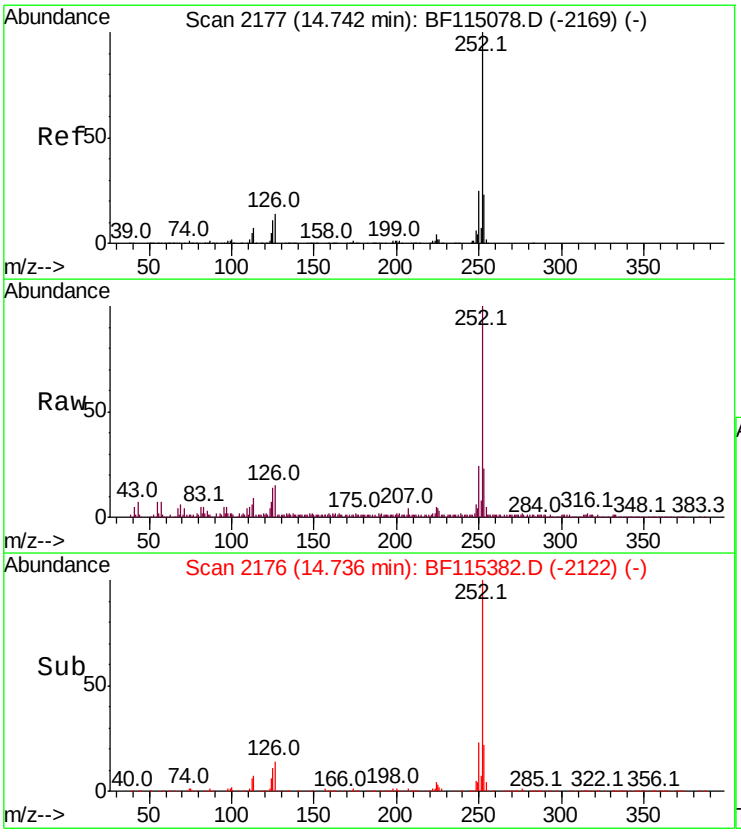
Tgt Ion:264 Resp: 346067

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.6	29.4
265	22.3	17.3	25.9



Instrument :
BNA_F
ClientSampleId :
OK-01-062819DL

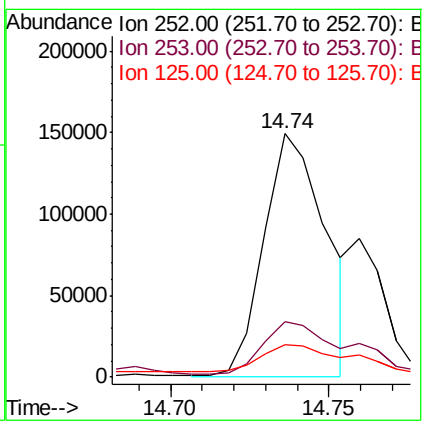
Manual Integrations APPROVED
mohammad
7/3/2019 10:52:13 PM

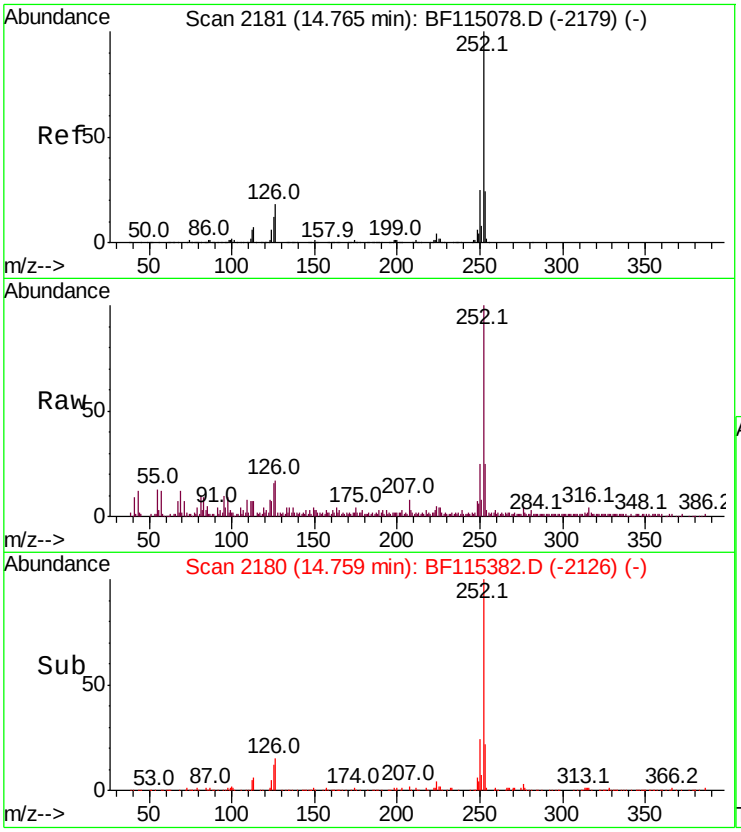


#88
Benzo(b)fluoranthene
Concen: 9.403 ng m
RT: 14.74 min Scan# 2176
Delta R.T. 0.02 min
Lab File: BF115382.D
Acq: 3 Jul 2019 1:19

Tgt Ion:252 Resp: 203035

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	13.6	8.7	13.1#





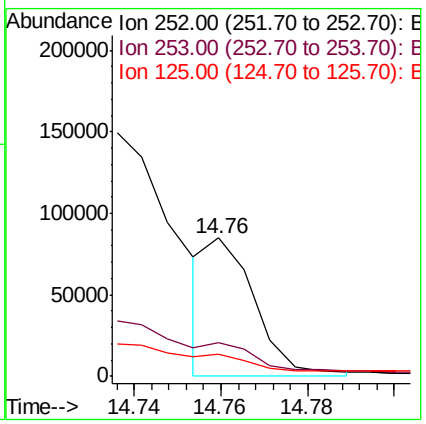
#89
Benzo(k)fluoranthene
Concen: 3.366 ng m
RT: 14.76 min Scan# 2180
Delta R.T. 0.02 min
Lab File: BF115382.D
Acq: 3 Jul 2019 1:19

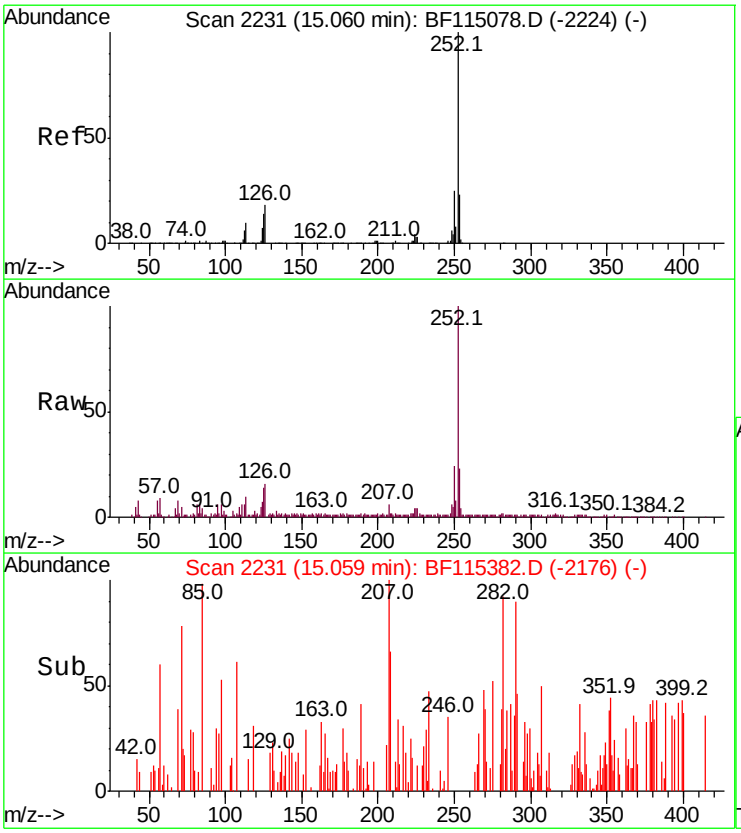
Tgt Ion:252 Resp: 65174

Ion	Ratio	Lower	Upper
252	100		
253	24.7	18.9	28.3
125	16.1	10.2	15.2#

Instrument :
BNA_F
ClientSampleId :
OK-01-062819DL

Manual Integrations APPROVED
mohammad
7/3/2019 10:52:13 PM

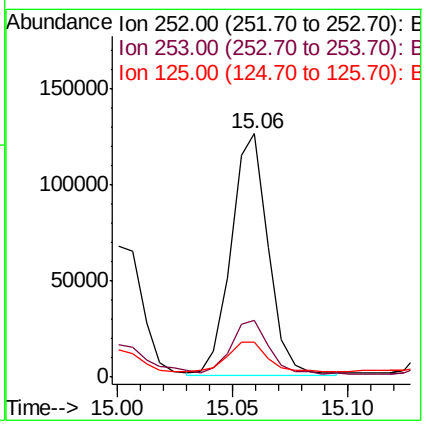


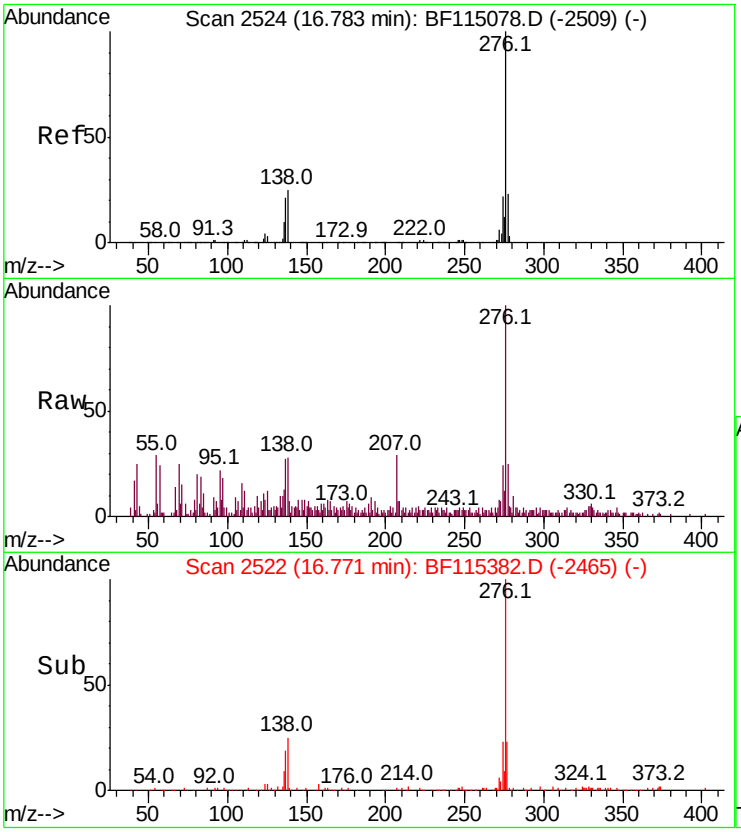


#90
Benzo(a)pyrene
Concen: 7.216 ng
RT: 15.06 min Scan# 2231
Delta R.T. 0.02 min
Lab File: BF115382.D
Acq: 3 Jul 2019 1:19

Tgt Ion:252 Resp: 140435

Ion	Ratio	Lower	Upper
252	100		
253	23.3	18.3	27.5
125	14.3	10.9	16.3

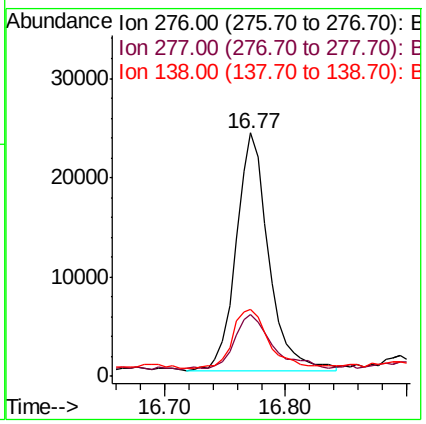




#92
Benzo(g,h,i)perylene
Concen: 2.461 ng
RT: 16.77 min Scan# 2522
Delta R.T. 0.04 min
Lab File: BF115382.D
Acq: 3 Jul 2019 1:19

Tgt Ion:276 Resp: 45257

Ion	Ratio	Lower	Upper
276	100		
277	25.2	18.6	28.0
138	27.8	19.8	29.6



Instrument :
BNA_F
ClientSampleId :
OK-01-062819DL

Manual Integrations APPROVED
mohammad
7/3/2019 10:52:13 PM