Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020119\
Data File : BF112354.D
Acq On : 1 Feb 2019 16:30
Operator : JU/SJ
Sample : K1299-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
0038-AMND-COMP-1

Manual Integrations APPROVED
apatel
2/4/2019 12:43:04 PM

Quant Time: Feb 01 23:33:29 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 28 10:38:18 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	159647	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	612586	20.00	ng	-0.01
39) Acenaphthene-d10	9.87	164	298325	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	534295	20.00	ng	-0.01
76) Chrysene-d12	14.00	240	310433	20.00	ng	-0.01
87) Perylene-d12	15.47	264	349533	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	795766	105.87	ng	0.00
7) Phenol-d6	6.49	99	1166769	111.72	ng	0.00
23) Nitrobenzene-d5	7.40	82	753482	70.87	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	283536	81.65	ng	-0.02
45) 2-Fluorobiphenyl	9.19	172	1313934	62.29	ng	-0.01
79) Terphenyl-d14	12.94	244	1158691	70.30	ng	-0.01
Target Compounds						Qvalue
31) Naphthalene	8.14	128	194496	6.789	ng	98
37) 2-Methylnaphthalene	8.83	142	87012	4.437	ng	99
38) 1-Methylnaphthalene	8.93	142	73946	3.934	ng	94
50) Dimethylphthalate	9.59	163	144579	6.238	ng	98
52) Acenaphthene	9.90	154	58538	3.306	ng	99
58) Fluorene	10.42	166	41106	2.030	ng	95
71) Phenanthrene	11.38	178	253236	9.117	ng	98
72) Anthracene	11.43	178	91679	3.313	ng	98
75) Fluoranthene	12.57	202	222281	7.461	ng	98
78) Pyrene	12.80	202	270131	12.569	ng	98
81) Benzo(a)anthracene	13.99	228	132515m	7.262	ng	
83) Chrysene	14.03	228	132569	7.610	ng	97
86) Indeno(1,2,3-cd)pyrene	16.94	276	83725	6.066	ng	95
88) Benzo(b)fluoranthene	15.04	252	155507m	7.439	ng	
89) Benzo(k)fluoranthene	15.07	252	40336m	2.015	ng	
90) Benzo(a)pyrene	15.41	252	158873	8.447	ng	99
92) Benzo(g,h,i)perylene	17.39	276	88037	6.156	ng	96

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

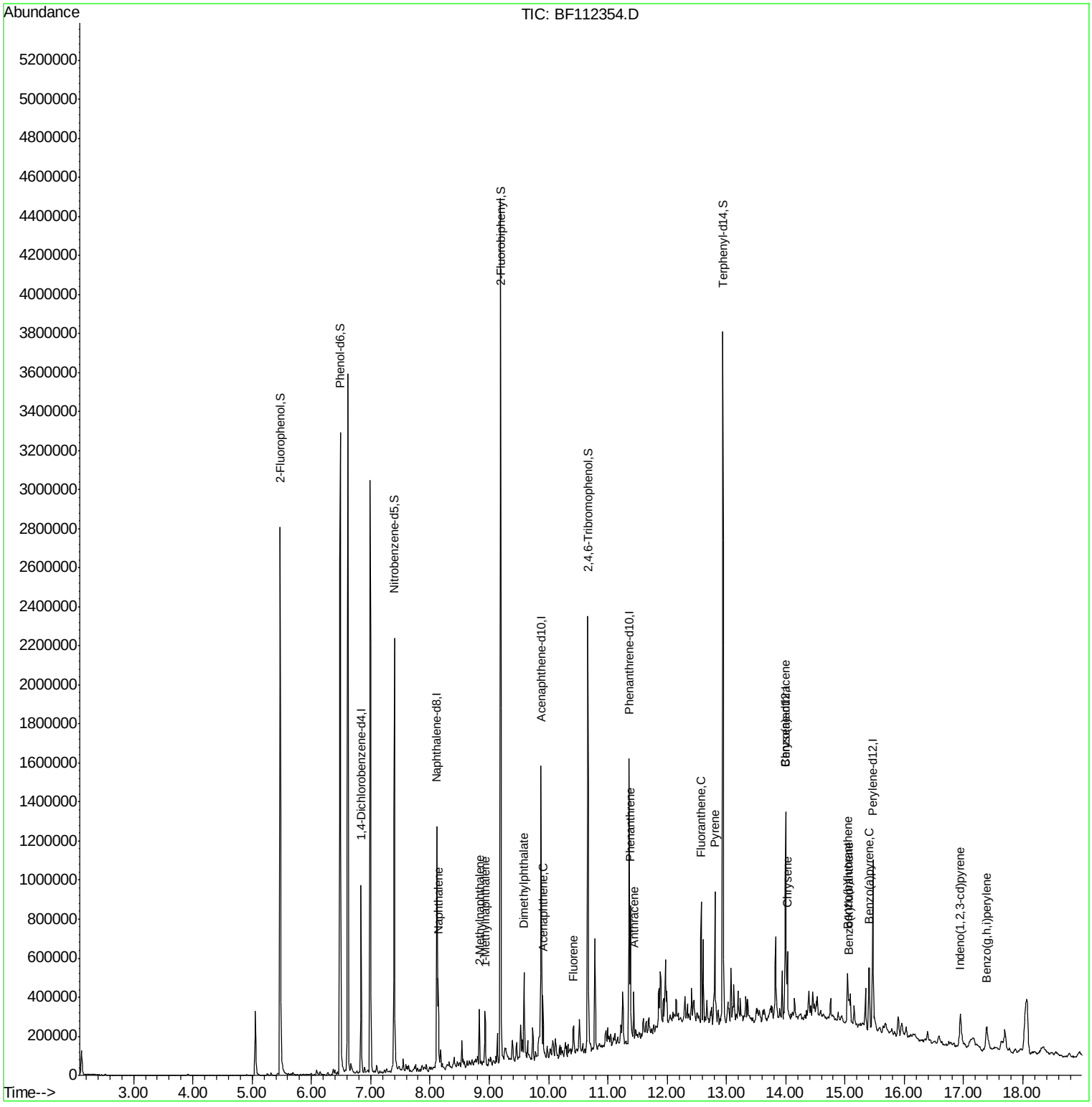
Quantitation Report (LSC Reviewed)

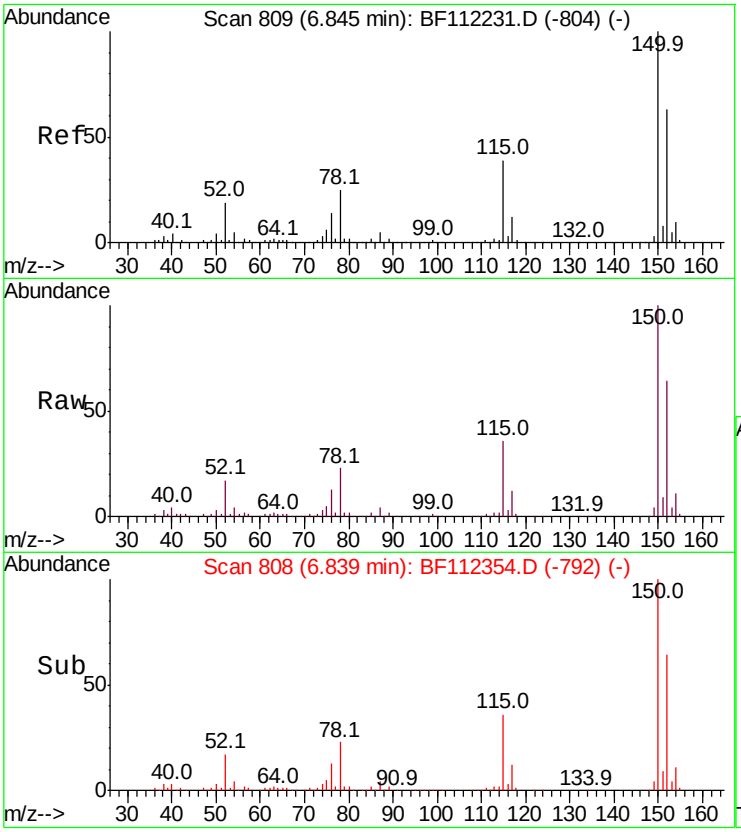
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020119\
Data File : BF112354.D
Acq On : 1 Feb 2019 16:30
Operator : JU/SJ
Sample : K1299-05
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Feb 01 23:33:29 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 28 10:38:18 2019
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
0038-AMND-COMP-1

Manual Integrations APPROVED
apatel
2/4/2019 12:43:04 PM

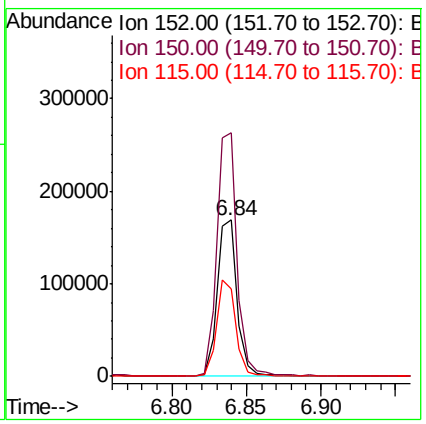




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.01 min
Lab File: BF112354.D
Acq: 1 Feb 2019 16:30

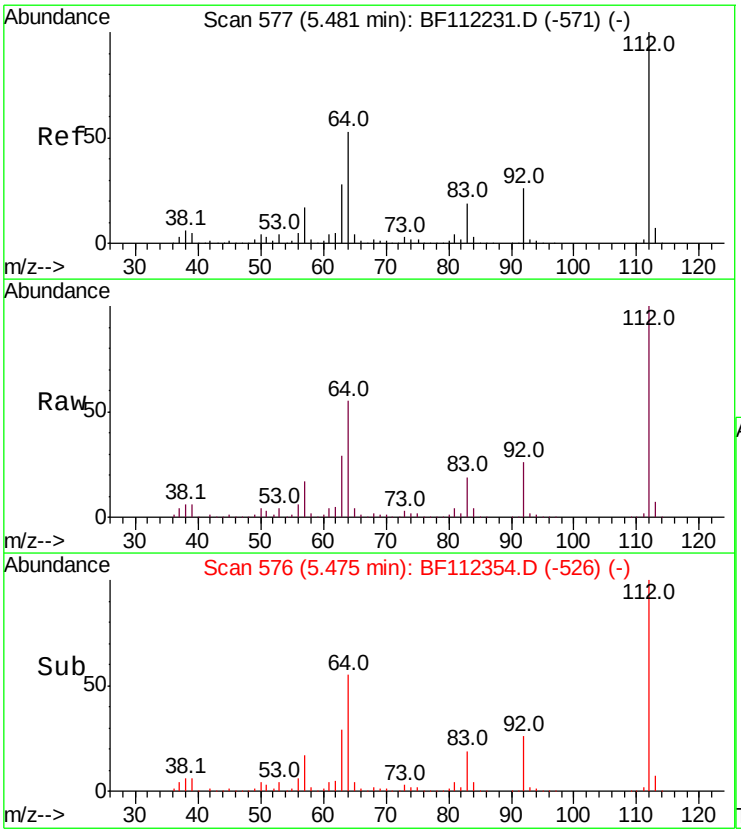
Tgt Ion:152 Resp: 159647

Ion	Ratio	Lower	Upper
152	100		
150	156.1	127.4	191.0
115	56.3	45.5	68.3



Instrument :
BNA_F
ClientSampleId :
0038-AMND-COMP-1

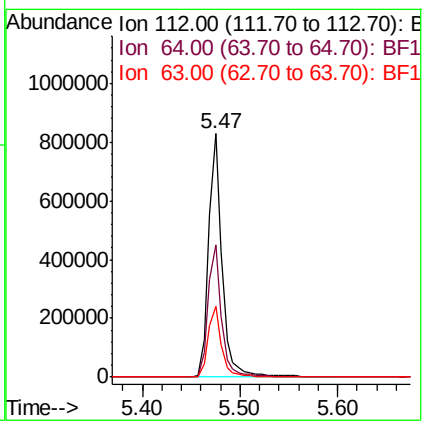
Manual Integrations APPROVED
apatel
2/4/2019 12:43:04 PM

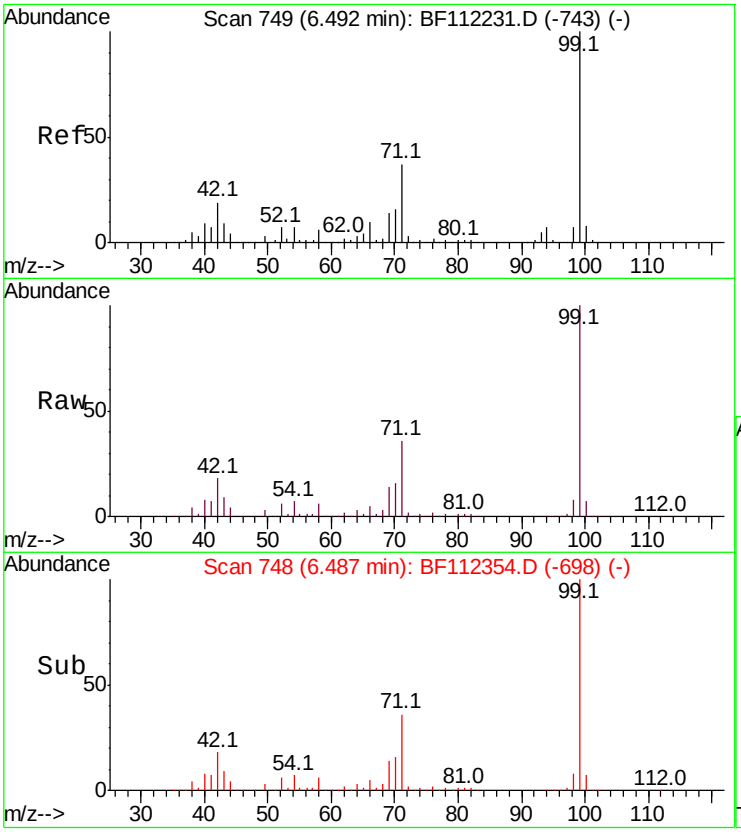


#5
2-Fluorophenol
Concen: 105.875 ng
RT: 5.47 min Scan# 576
Delta R.T. -0.01 min
Lab File: BF112354.D
Acq: 1 Feb 2019 16:30

Tgt Ion:112 Resp: 795766

Ion	Ratio	Lower	Upper
112	100		
64	54.5	45.7	68.5
63	29.2	23.6	35.4

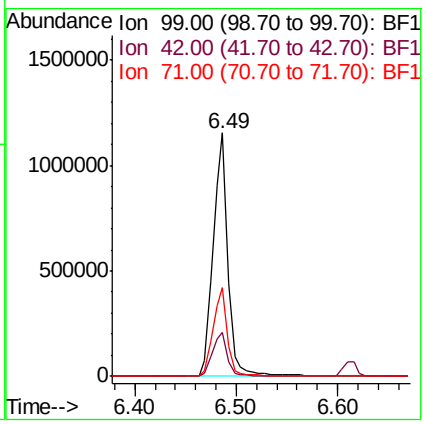




#7
Phenol-d6
Concen: 111.717 ng
RT: 6.49 min Scan# 748
Delta R.T. -0.01 min
Lab File: BF112354.D
Acq: 1 Feb 2019 16:30

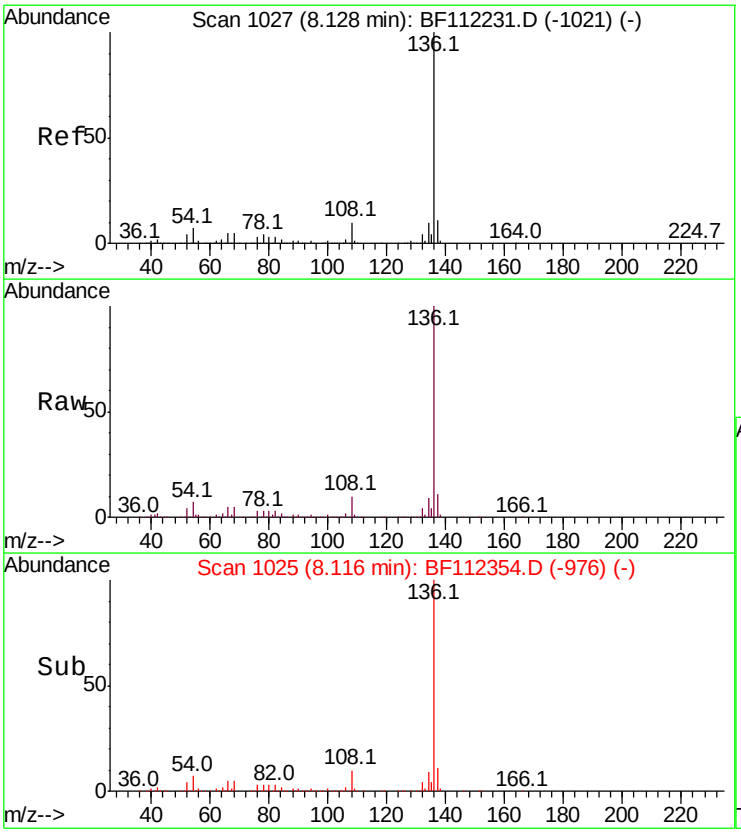
Tgt Ion: 99 Resp: 1166769

Ion	Ratio	Lower	Upper
99	100		
42	18.2	15.1	22.7
71	36.3	26.9	40.3



Instrument :
BNA_F
ClientSampleId :
0038-AMND-COMP-1

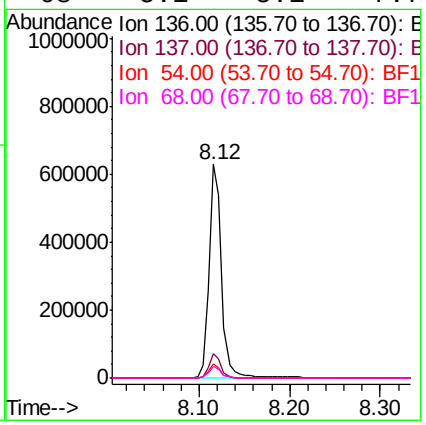
Manual Integrations APPROVED
apatel
2/4/2019 12:43:04 PM

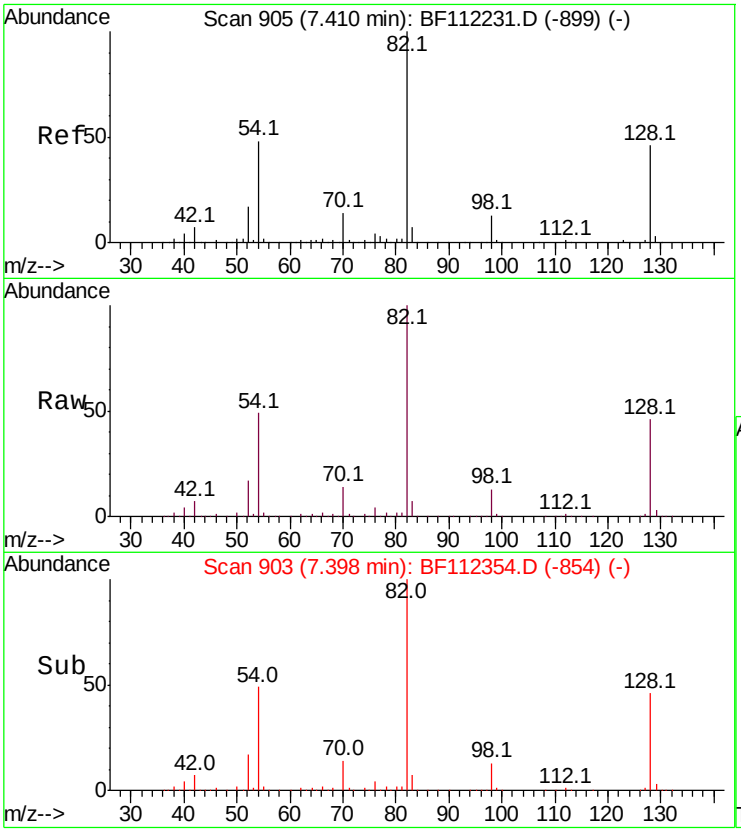


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF112354.D
Acq: 1 Feb 2019 16:30

Tgt Ion:136 Resp: 612586

Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.1	13.7
54	6.7	5.9	8.9
68	5.1	5.1	7.7

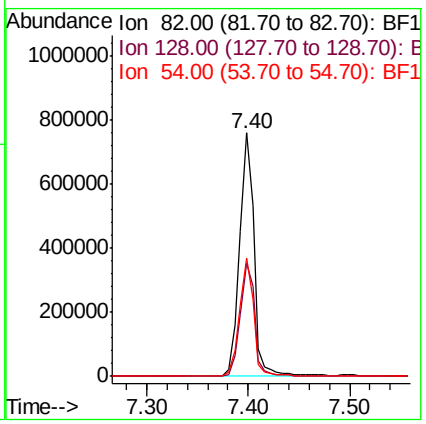




#23
Nitrobenzene-d5
Concen: 70.872 ng
RT: 7.40 min Scan# 903
Delta R.T. -0.01 min
Lab File: BF112354.D
Acq: 1 Feb 2019 16:30

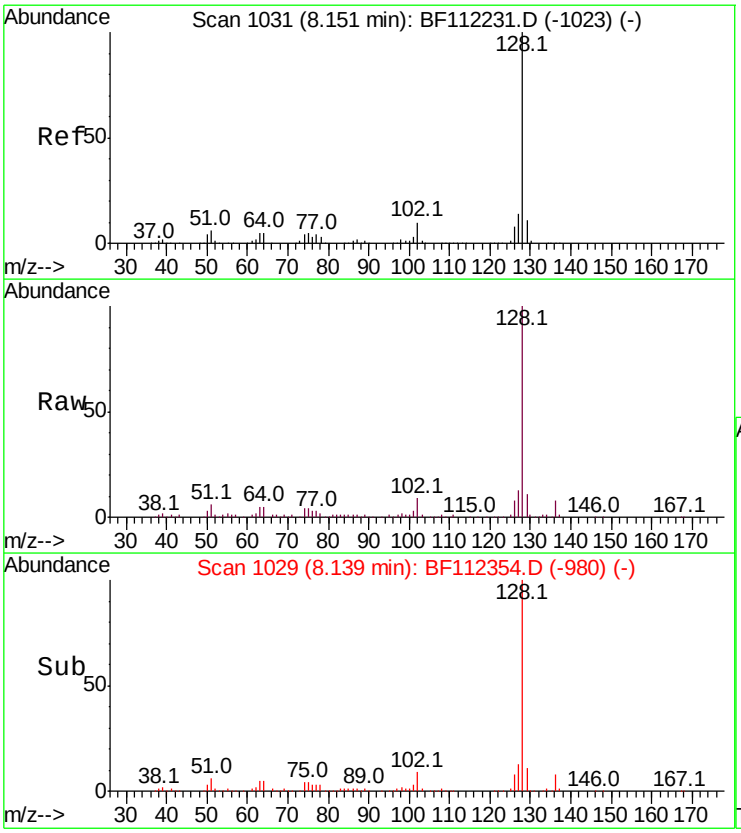
Tgt Ion: 82 Resp: 753482

Ion	Ratio	Lower	Upper
82	100		
128	46.3	37.8	56.8
54	48.6	39.7	59.5



Instrument :
BNA_F
ClientSampleId :
0038-AMND-COMP-1

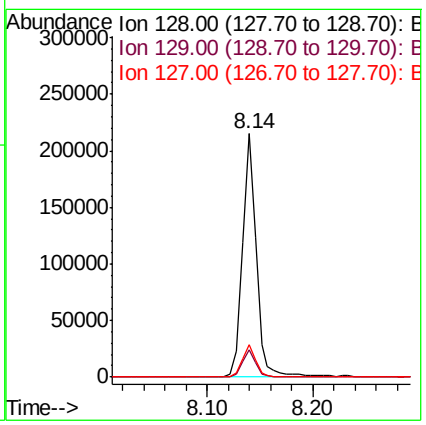
Manual Integrations APPROVED
apatel
2/4/2019 12:43:04 PM

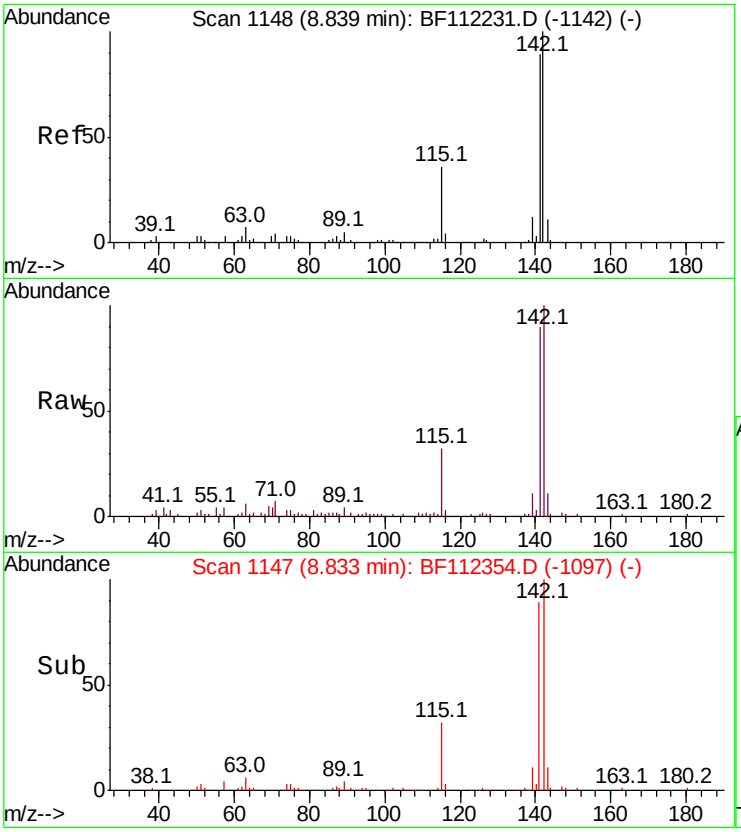


#31
Naphthalene
Concen: 6.789 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.01 min
Lab File: BF112354.D
Acq: 1 Feb 2019 16:30

Tgt Ion:128 Resp: 194496

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.6	14.4
127	13.3	11.1	16.7

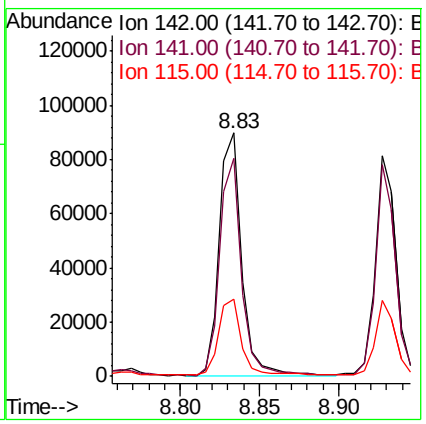




#37
2-Methylnaphthalene
Concen: 4.437 ng
RT: 8.83 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BF112354.D
Acq: 1 Feb 2019 16:30

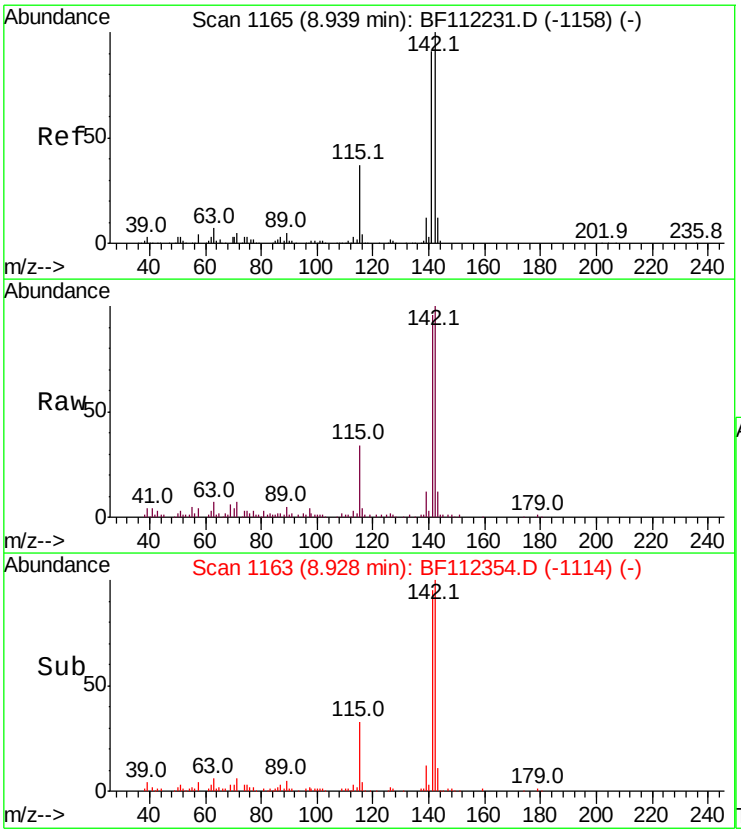
Tgt Ion:142 Resp: 87012

Ion	Ratio	Lower	Upper
142	100		
141	89.7	70.9	106.3
115	31.6	24.9	37.3



Instrument :
BNA_F
ClientSampleId :
0038-AMND-COMP-1

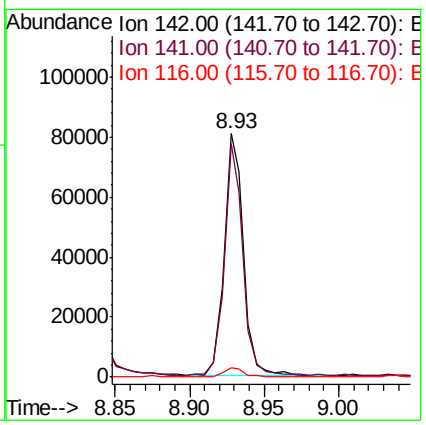
Manual Integrations APPROVED
apatel
2/4/2019 12:43:04 PM

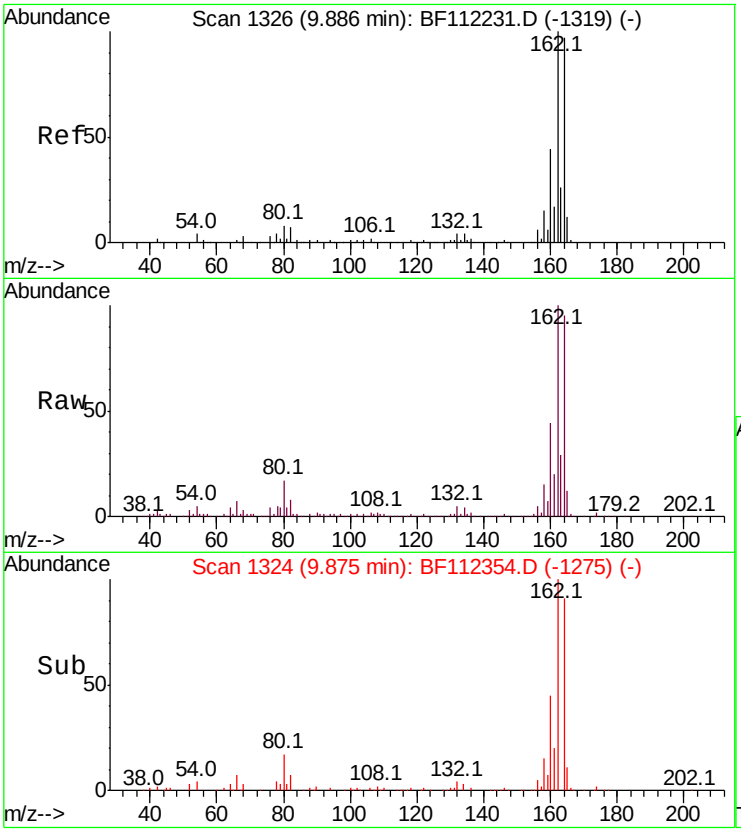


#38
1-Methylnaphthalene
Concen: 3.934 ng
RT: 8.93 min Scan# 1163
Delta R.T. -0.01 min
Lab File: BF112354.D
Acq: 1 Feb 2019 16:30

Tgt Ion:142 Resp: 73946

Ion	Ratio	Lower	Upper
142	100		
141	96.1	72.6	108.8
116	3.9	2.8	4.2

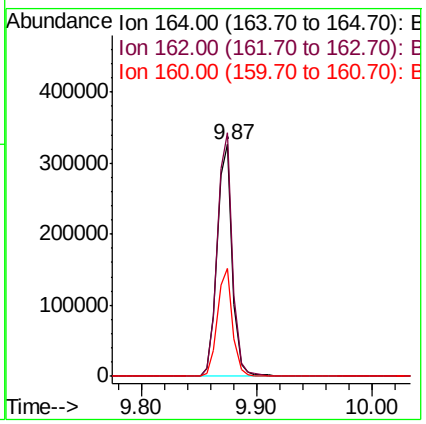




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF112354.D
Acq: 1 Feb 2019 16:30

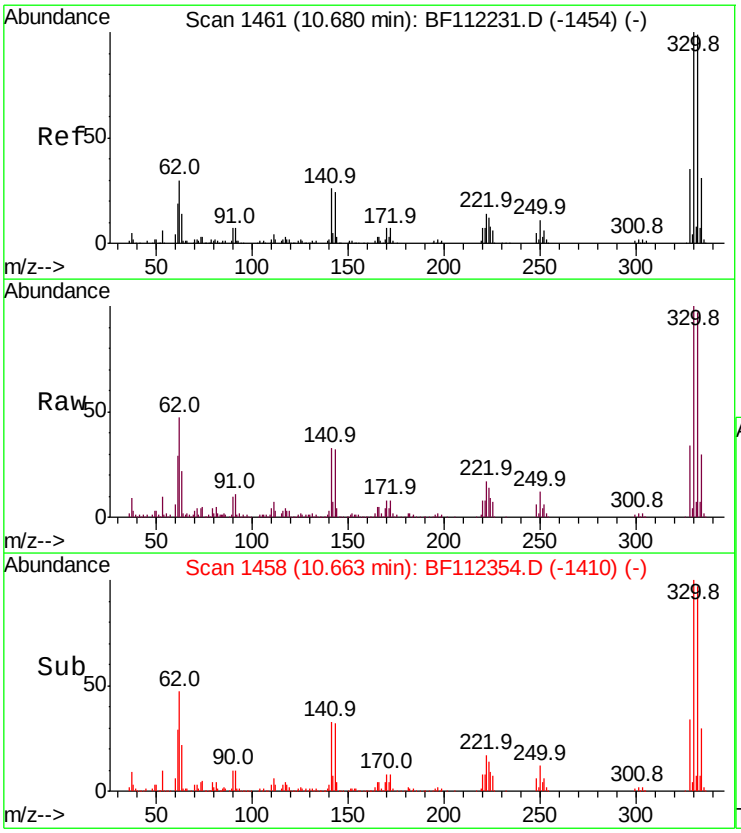
Tgt Ion:164 Resp: 298325

Ion	Ratio	Lower	Upper
164	100		
162	105.1	82.2	123.4
160	46.7	36.2	54.4



Instrument :
BNA_F
ClientSampleId :
0038-AMND-COMP-1

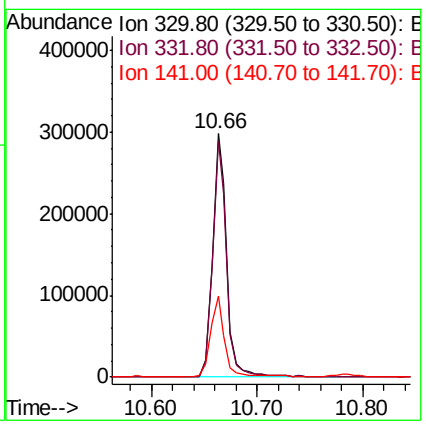
Manual Integrations APPROVED
apatel
2/4/2019 12:43:04 PM

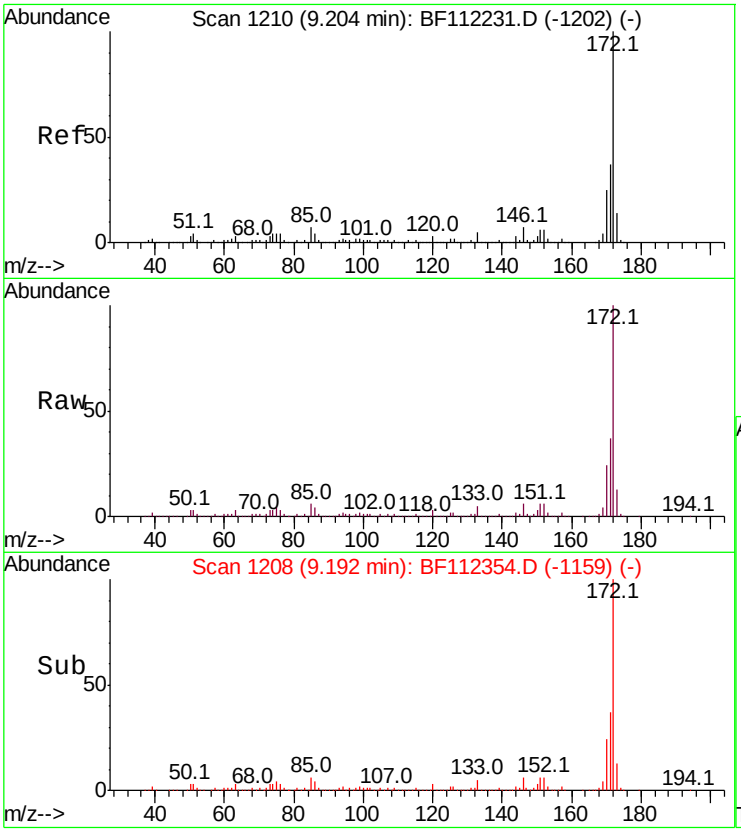


#42
2,4,6-Tribromophenol
Concen: 81.654 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.02 min
Lab File: BF112354.D
Acq: 1 Feb 2019 16:30

Tgt Ion:330 Resp: 283536

Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.6	114.8
141	31.9	24.3	36.5

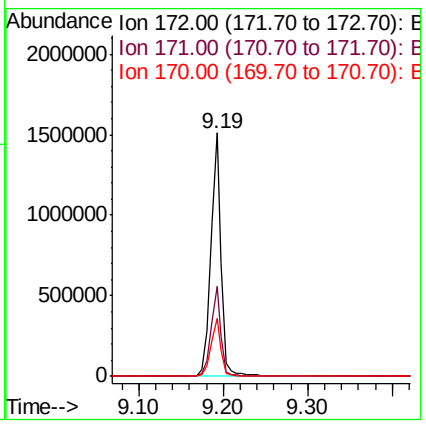




#45
2-Fluorobiphenyl
Concen: 62.293 ng
RT: 9.19 min Scan# 1208
Delta R.T. -0.01 min
Lab File: BF112354.D
Acq: 1 Feb 2019 16:30

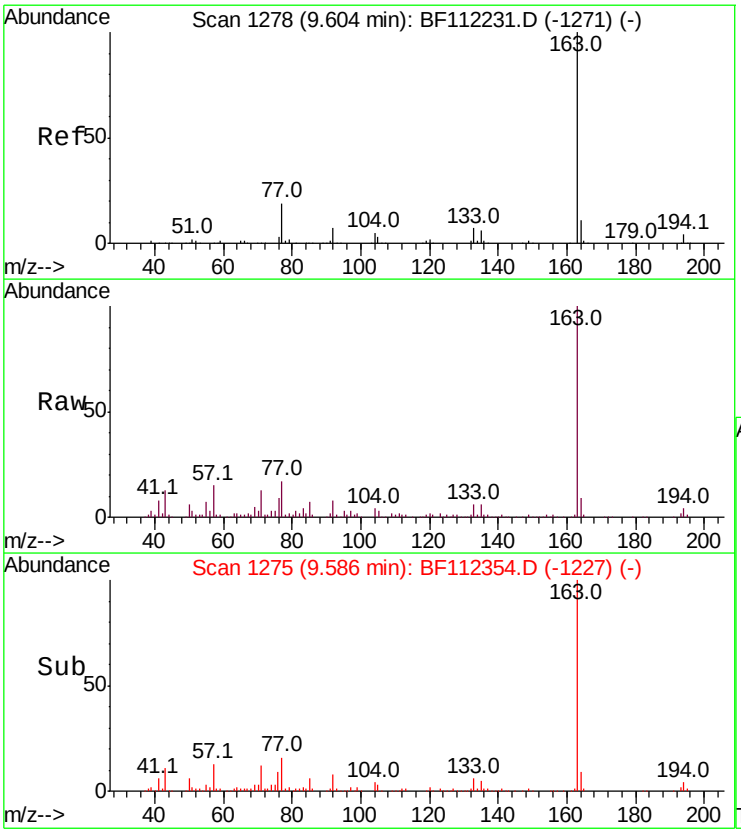
Tgt Ion:172 Resp: 1313934

Ion	Ratio	Lower	Upper
172	100		
171	37.0	30.5	45.7
170	24.0	20.2	30.4



Instrument :
BNA_F
ClientSampleId :
0038-AMND-COMP-1

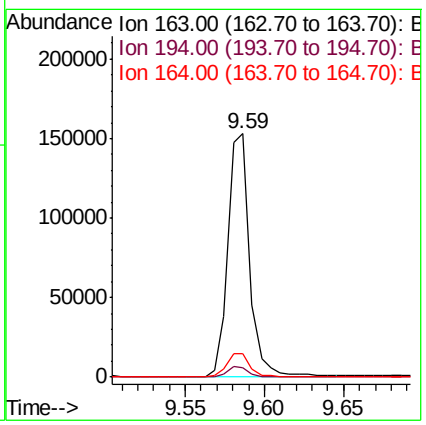
Manual Integrations APPROVED
apatel
2/4/2019 12:43:04 PM

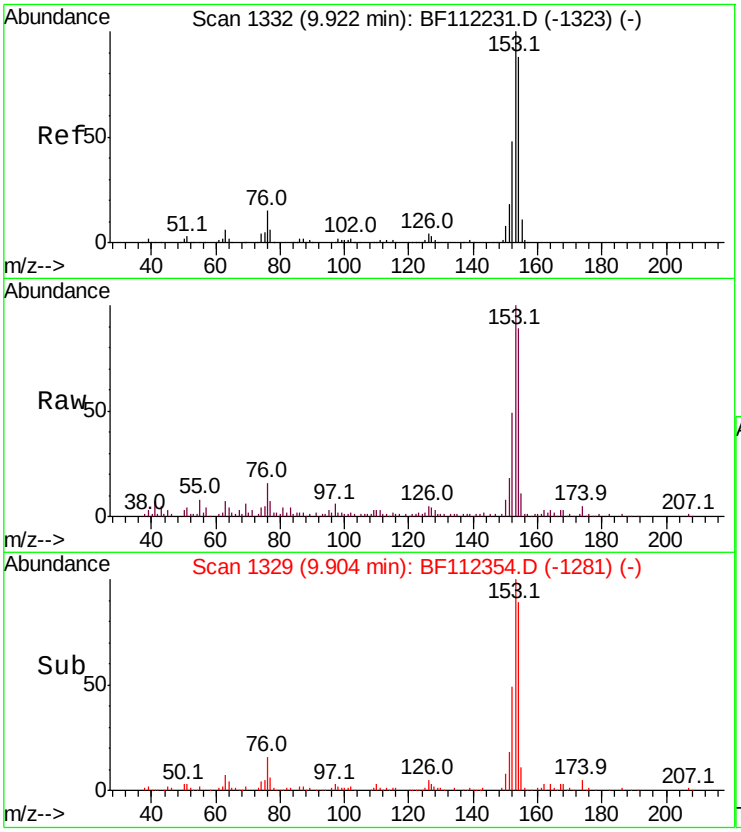


#50
Dimethylphthalate
Concen: 6.238 ng
RT: 9.59 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BF112354.D
Acq: 1 Feb 2019 16:30

Tgt Ion:163 Resp: 144579

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.3	4.9
164	9.4	8.5	12.7

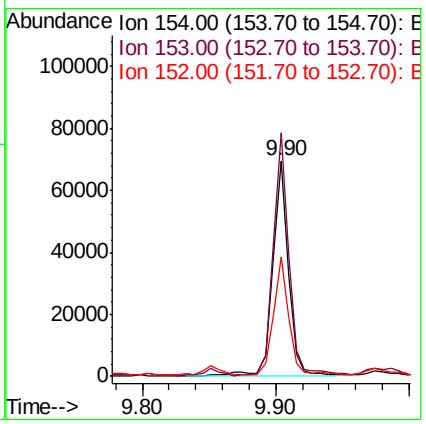




#52
Acenaphthene
Concen: 3.306 ng
RT: 9.90 min Scan# 1329
Delta R.T. -0.02 min
Lab File: BF112354.D
Acq: 1 Feb 2019 16:30

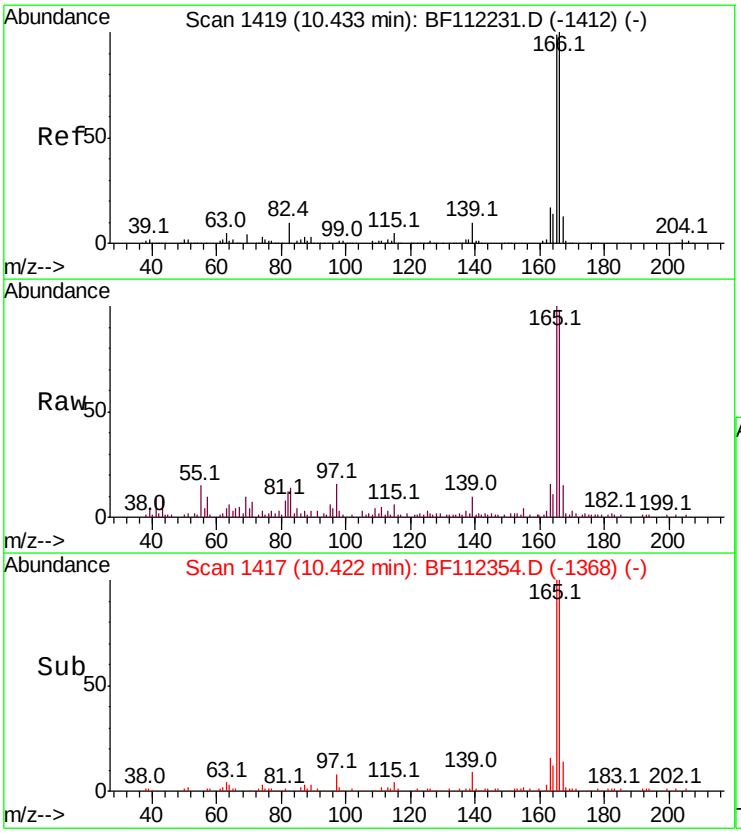
Tgt Ion:154 Resp: 58538

Ion	Ratio	Lower	Upper
154	100		
153	112.9	89.8	134.6
152	55.7	43.5	65.3



Instrument :
BNA_F
ClientSampleId :
0038-AMND-COMP-1

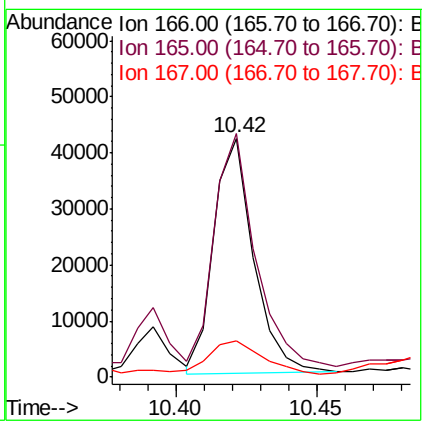
Manual Integrations APPROVED
apatel
2/4/2019 12:43:04 PM

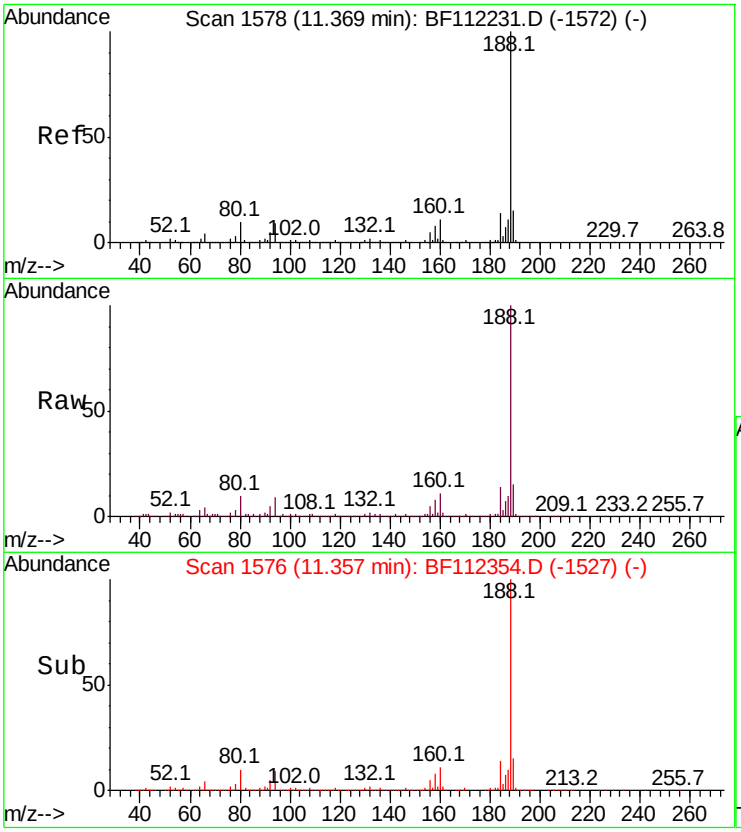


#58
Fluorene
Concen: 2.030 ng
RT: 10.42 min Scan# 1417
Delta R.T. -0.01 min
Lab File: BF112354.D
Acq: 1 Feb 2019 16:30

Tgt Ion:166 Resp: 41106

Ion	Ratio	Lower	Upper
166	100		
165	102.0	77.1	115.7
167	15.2	11.3	16.9

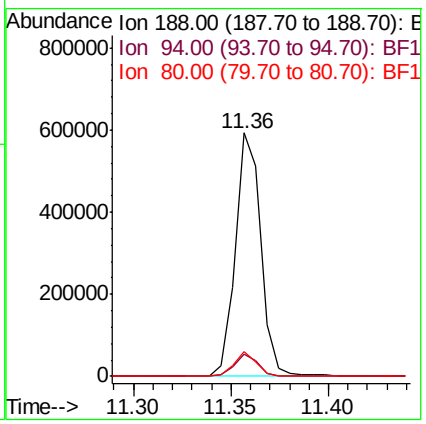




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF112354.D
Acq: 1 Feb 2019 16:30

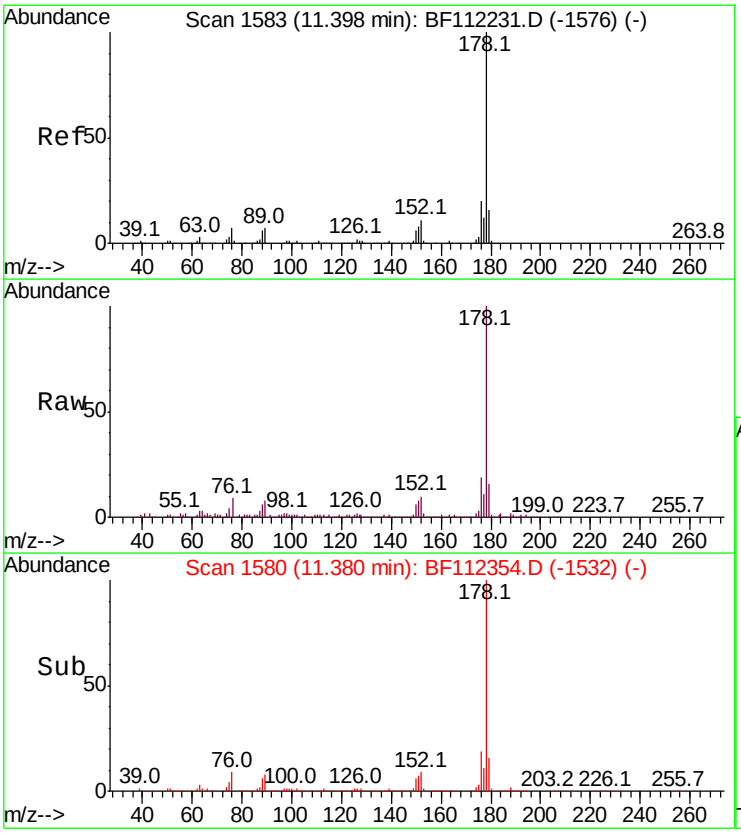
Tgt Ion:188 Resp: 534295

Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.2	12.2
80	10.3	8.9	13.3



Instrument :
BNA_F
ClientSampleId :
0038-AMND-COMP-1

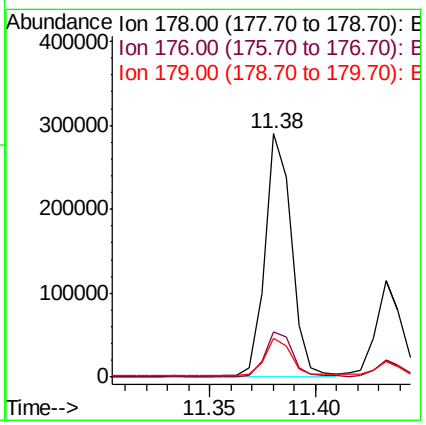
Manual Integrations APPROVED
apatel
2/4/2019 12:43:04 PM

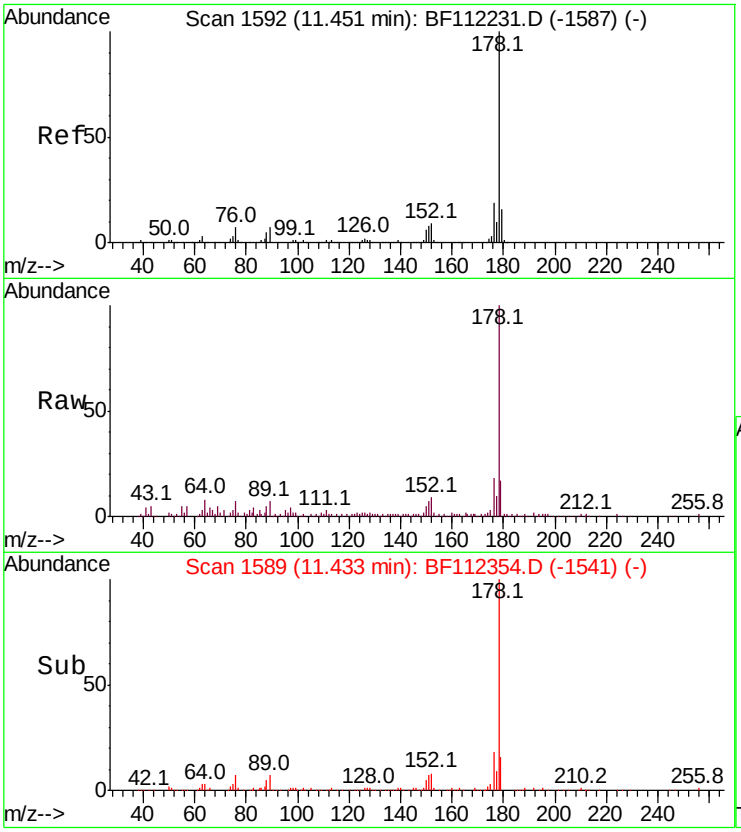


#71
Phenanthrene
Concen: 9.117 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.02 min
Lab File: BF112354.D
Acq: 1 Feb 2019 16:30

Tgt Ion:178 Resp: 253236

Ion	Ratio	Lower	Upper
178	100		
176	18.7	16.3	24.5
179	16.2	13.0	19.4

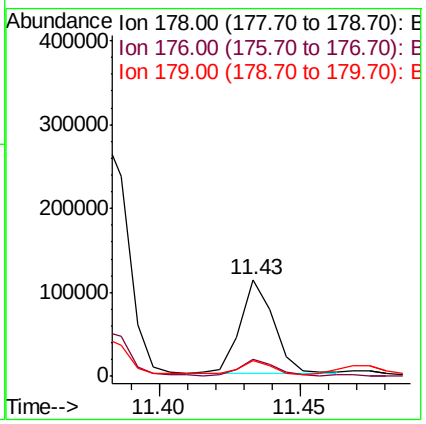




#72
Anthracene
Concen: 3.313 ng
RT: 11.43 min Scan# 1589
Delta R.T. -0.02 min
Lab File: BF112354.D
Acq: 1 Feb 2019 16:30

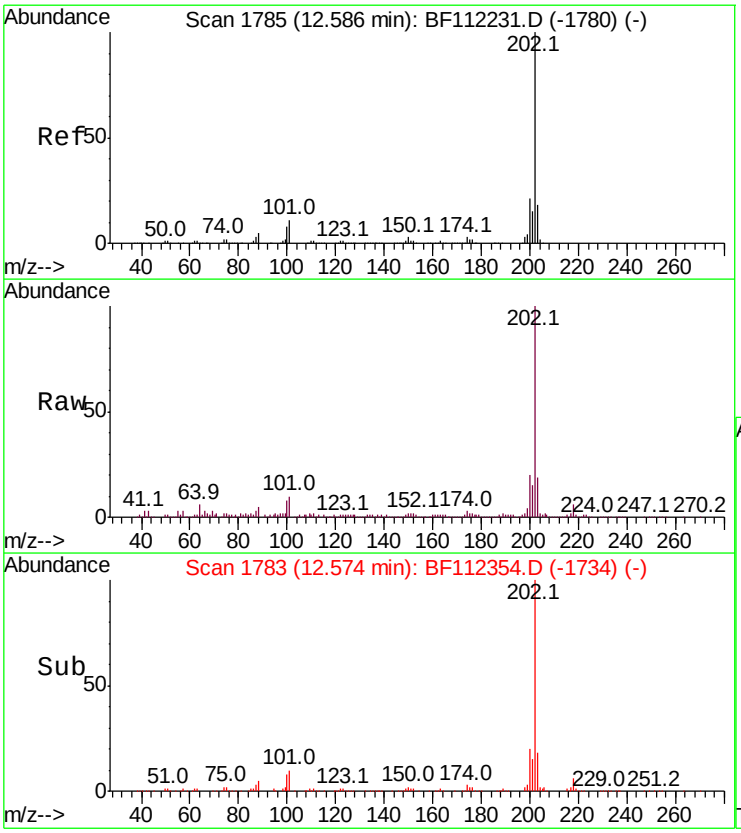
Tgt Ion:178 Resp: 91679

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.5	23.3
179	16.7	12.8	19.2



Instrument :
BNA_F
ClientSampleId :
0038-AMND-COMP-1

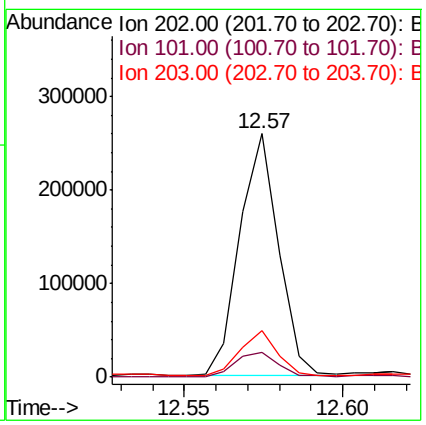
Manual Integrations APPROVED
apatel
2/4/2019 12:43:04 PM

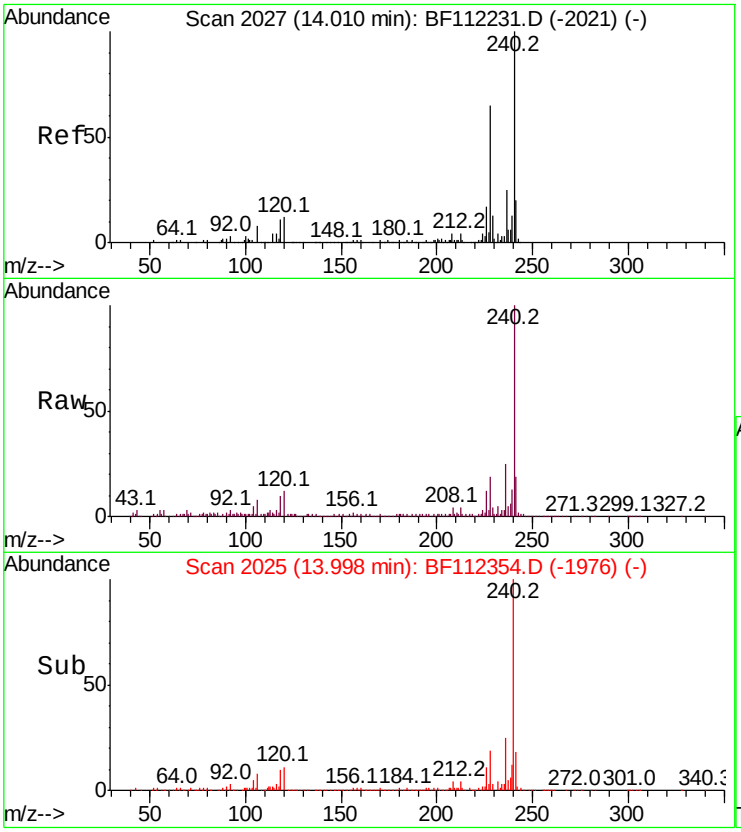


#75
Fluoranthene
Concen: 7.461 ng
RT: 12.57 min Scan# 1783
Delta R.T. -0.01 min
Lab File: BF112354.D
Acq: 1 Feb 2019 16:30

Tgt Ion:202 Resp: 222281

Ion	Ratio	Lower	Upper
202	100		
101	10.4	0.0	31.8
203	18.9	0.0	38.4

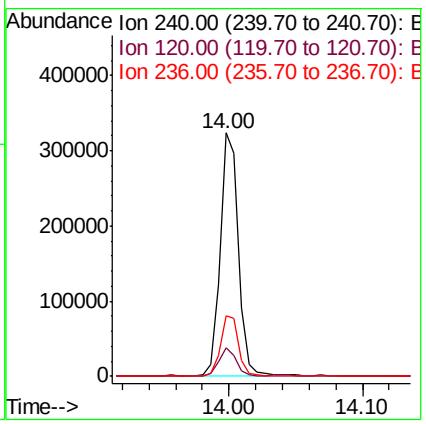




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF112354.D
Acq: 1 Feb 2019 16:30

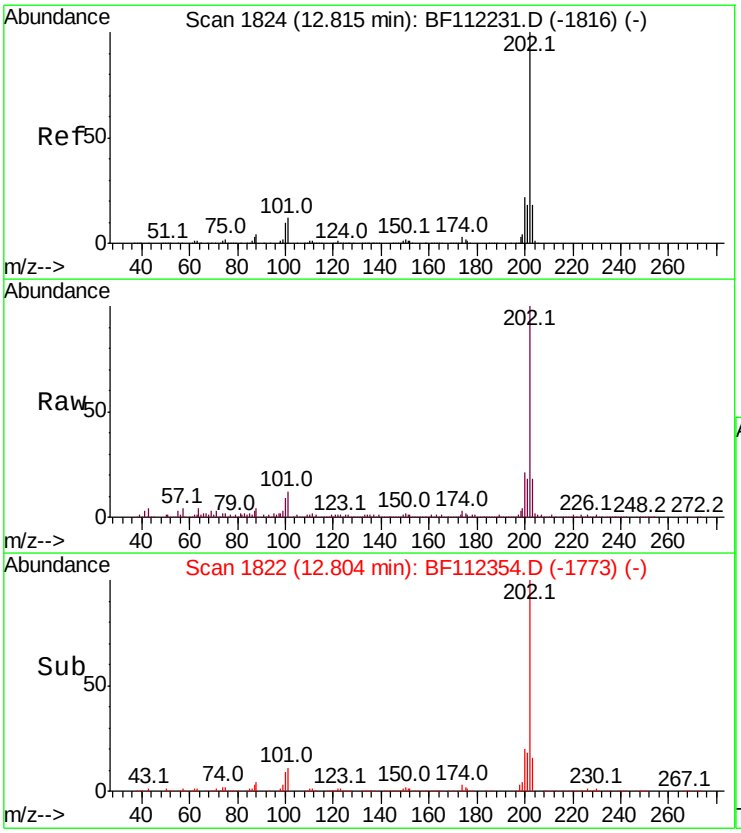
Tgt Ion:240 Resp: 310433

Ion	Ratio	Lower	Upper
240	100		
120	11.6	9.0	13.6
236	24.9	20.7	31.1



Instrument :
BNA_F
ClientSampleId :
0038-AMND-COMP-1

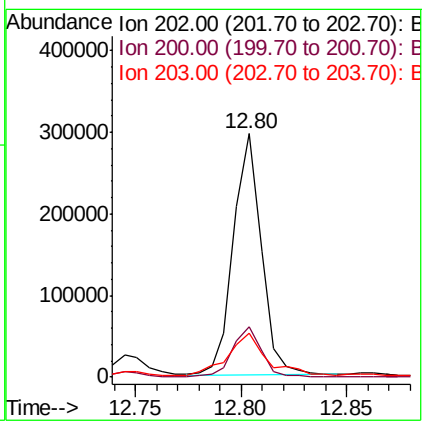
Manual Integrations APPROVED
apatel
2/4/2019 12:43:04 PM

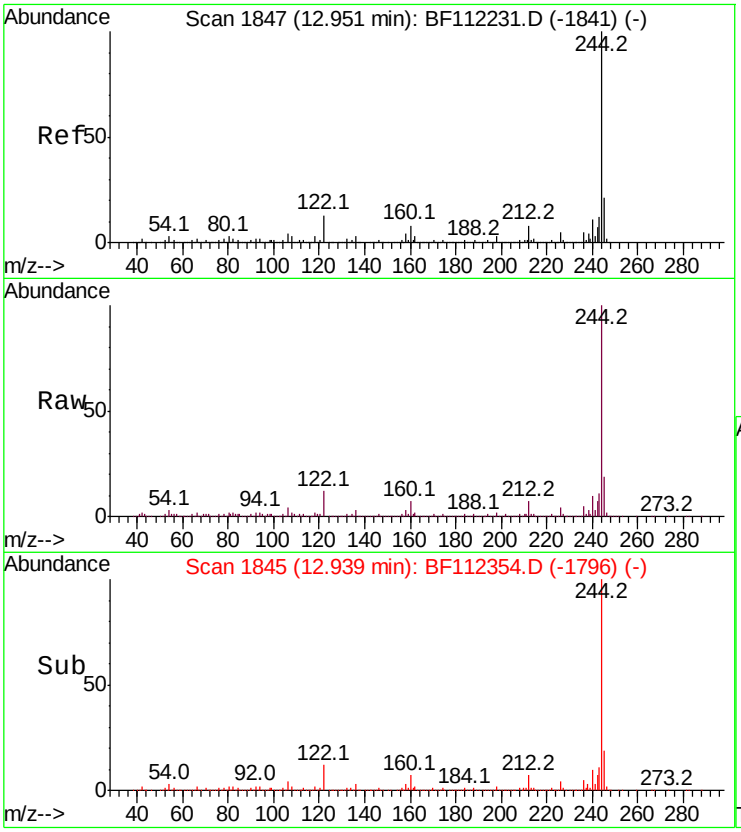


#78
Pyrene
Concen: 12.569 ng
RT: 12.80 min Scan# 1822
Delta R.T. -0.01 min
Lab File: BF112354.D
Acq: 1 Feb 2019 16:30

Tgt Ion:202 Resp: 270131

Ion	Ratio	Lower	Upper
202	100		
200	20.6	17.7	26.5
203	18.0	14.6	22.0

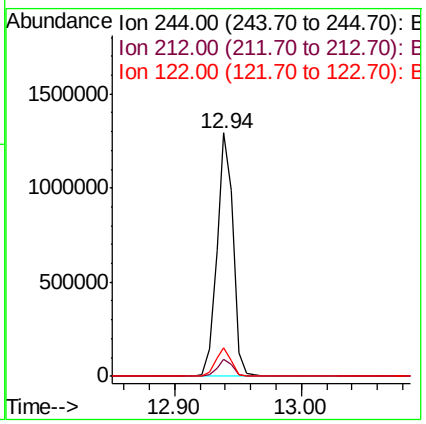




#79
Terphenyl-d14
Concen: 70.300 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.01 min
Lab File: BF112354.D
Acq: 1 Feb 2019 16:30

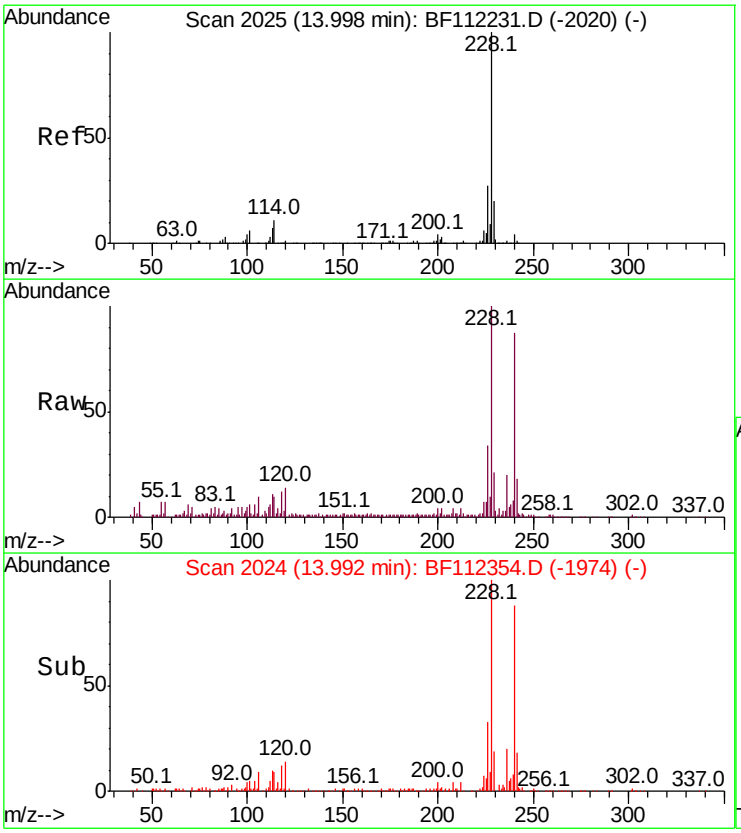
Tgt Ion:244 Resp: 1158691

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.9	8.9
122	11.6	9.8	14.6



Instrument :
BNA_F
ClientSampleId :
0038-AMND-COMP-1

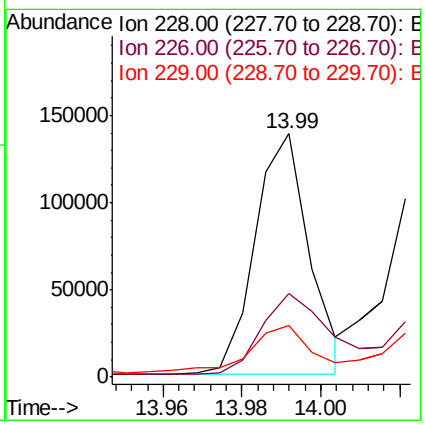
Manual Integrations APPROVED
apatel
2/4/2019 12:43:04 PM

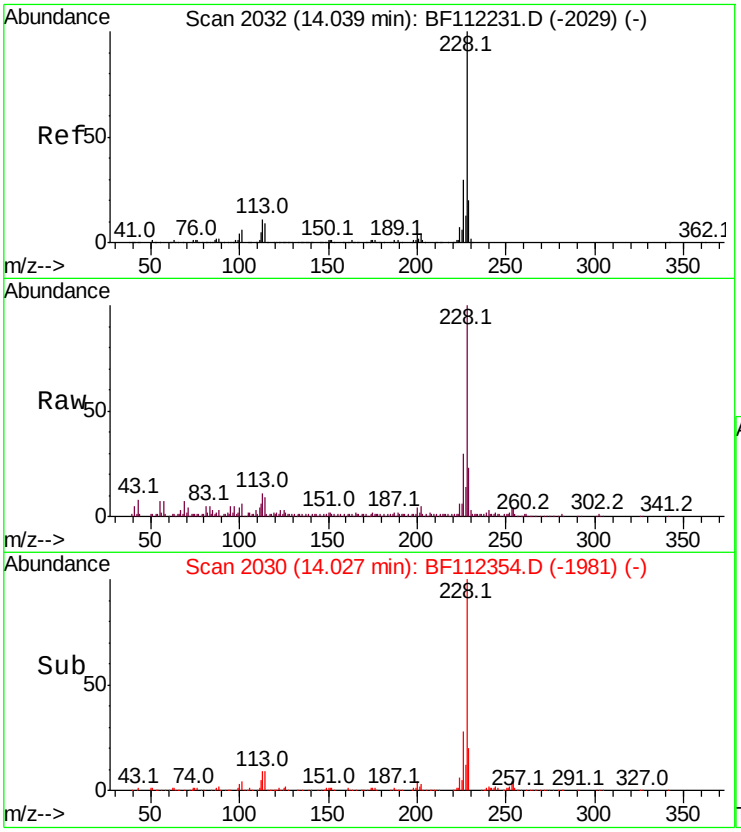


#81
Benzo(a)anthracene
Concen: 7.262 ng m
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF112354.D
Acq: 1 Feb 2019 16:30

Tgt Ion:228 Resp: 132515

Ion	Ratio	Lower	Upper
228	100		
226	34.4	22.6	34.0#
229	21.1	16.5	24.7

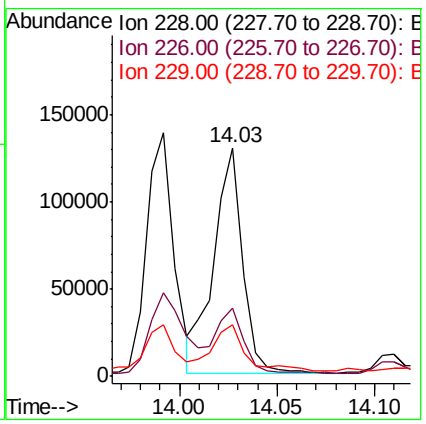




#83
Chrysene
Concen: 7.610 ng
RT: 14.03 min Scan# 2030
Delta R.T. -0.01 min
Lab File: BF112354.D
Acq: 1 Feb 2019 16:30

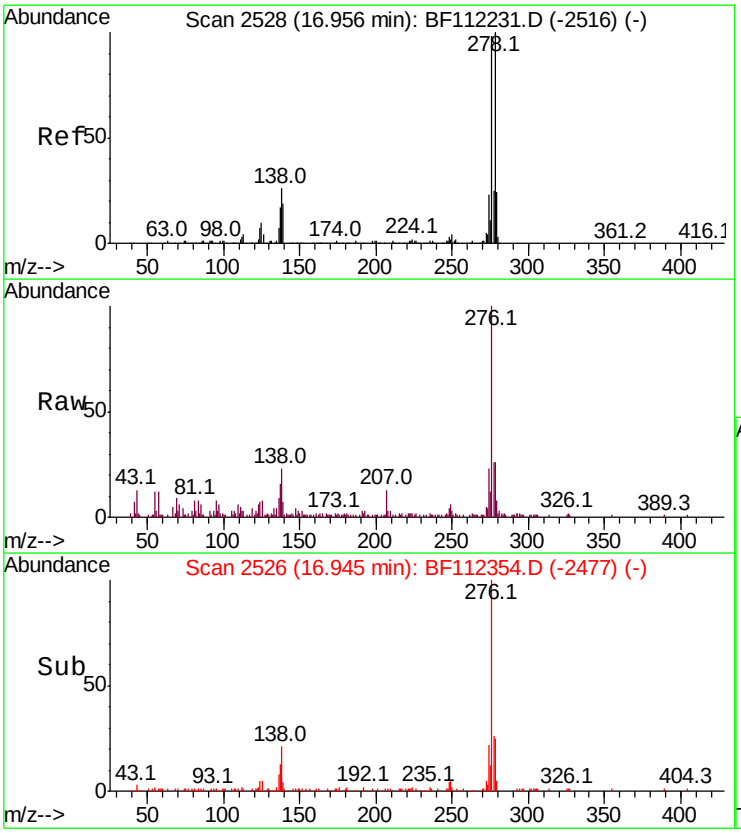
Tgt Ion:228 Resp: 132569

Ion	Ratio	Lower	Upper
228	100		
226	29.9	25.0	37.6
229	22.7	16.6	24.8



Instrument :
BNA_F
ClientSampleId :
0038-AMND-COMP-1

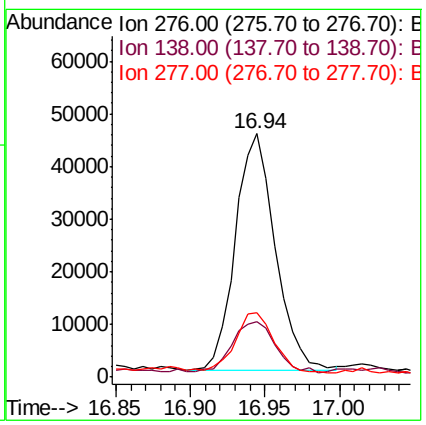
Manual Integrations APPROVED
apatel
2/4/2019 12:43:04 PM

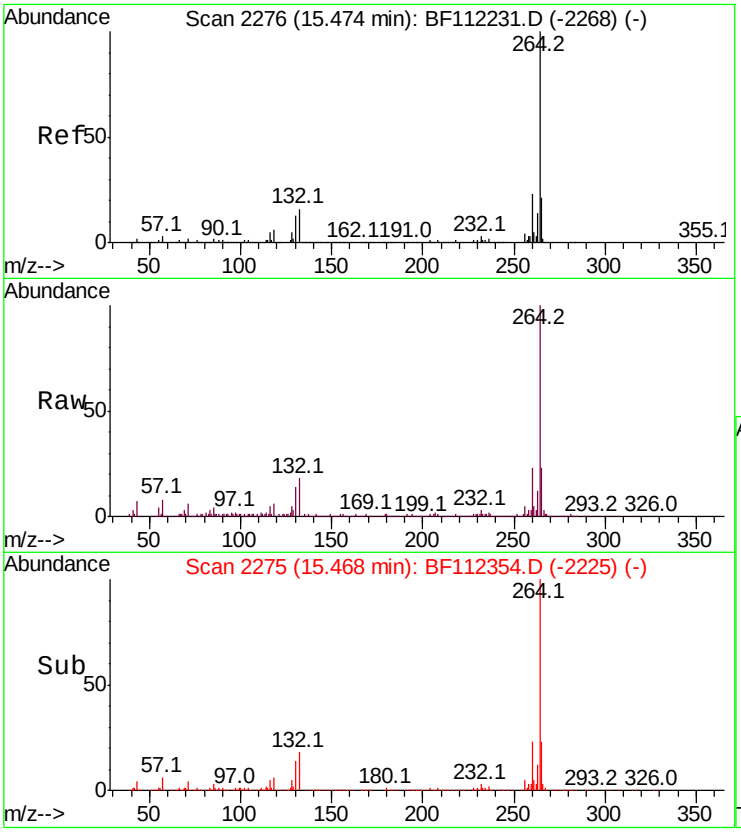


#86
Indeno(1,2,3-cd)pyrene
Concen: 6.066 ng
RT: 16.94 min Scan# 2526
Delta R.T. -0.01 min
Lab File: BF112354.D
Acq: 1 Feb 2019 16:30

Tgt Ion:276 Resp: 83725

Ion	Ratio	Lower	Upper
276	100		
138	23.5	22.6	34.0
277	25.1	20.3	30.5

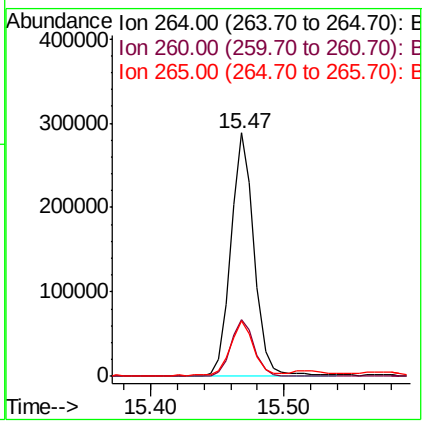




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2275
Delta R.T. -0.01 min
Lab File: BF112354.D
Acq: 1 Feb 2019 16:30

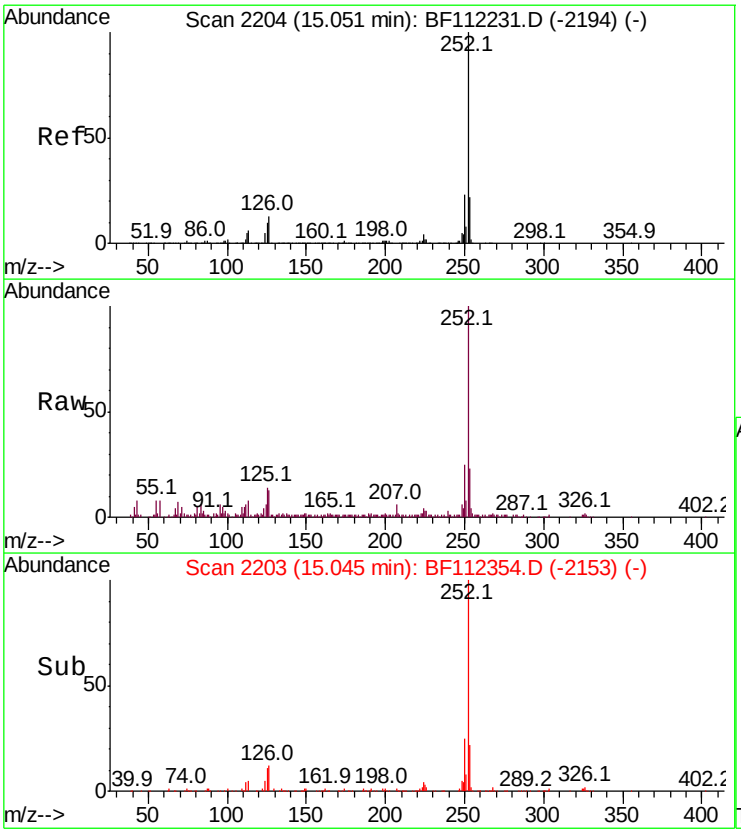
Tgt Ion:264 Resp: 349533

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.2	27.2
265	22.7	17.0	25.4



Instrument :
BNA_F
ClientSampleId :
0038-AMND-COMP-1

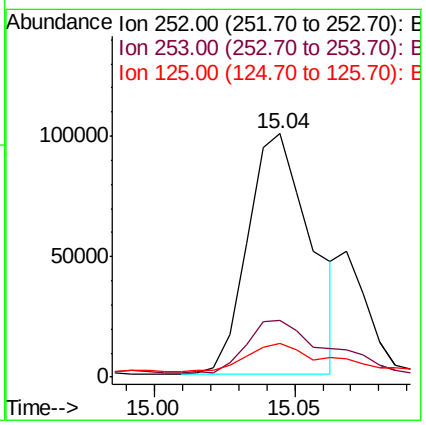
Manual Integrations APPROVED
apatel
2/4/2019 12:43:04 PM

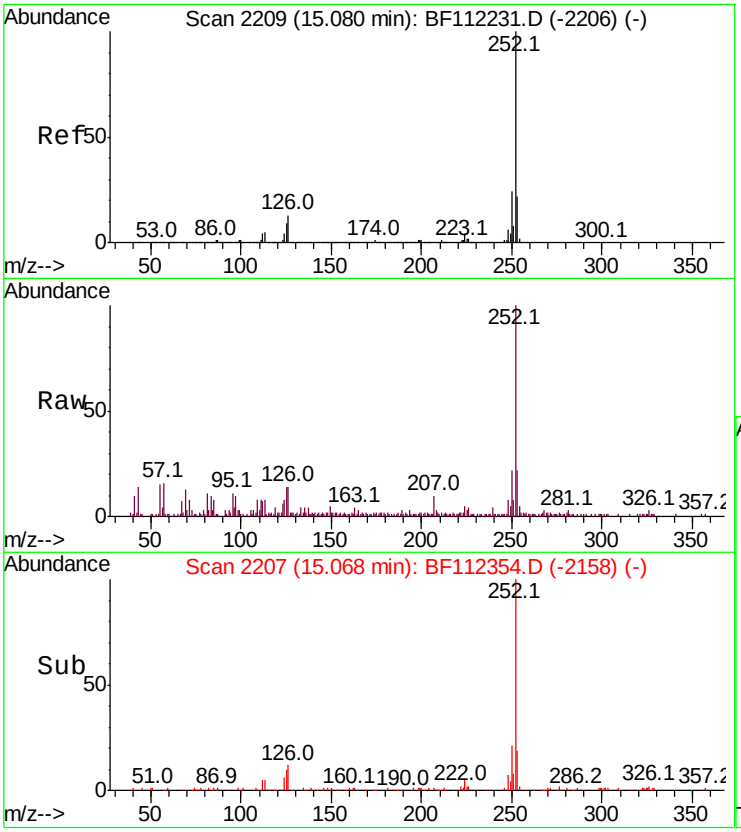


#88
Benzo(b)fluoranthene
Concen: 7.439 ng m
RT: 15.04 min Scan# 2203
Delta R.T. -0.01 min
Lab File: BF112354.D
Acq: 1 Feb 2019 16:30

Tgt Ion:252 Resp: 155507

Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.0	27.0
125	13.7	8.7	13.1#





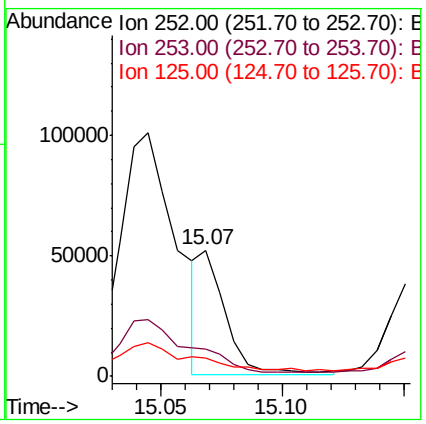
#89
Benzo(k)fluoranthene
Concen: 2.015 ng m
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF112354.D
Acq: 1 Feb 2019 16:30

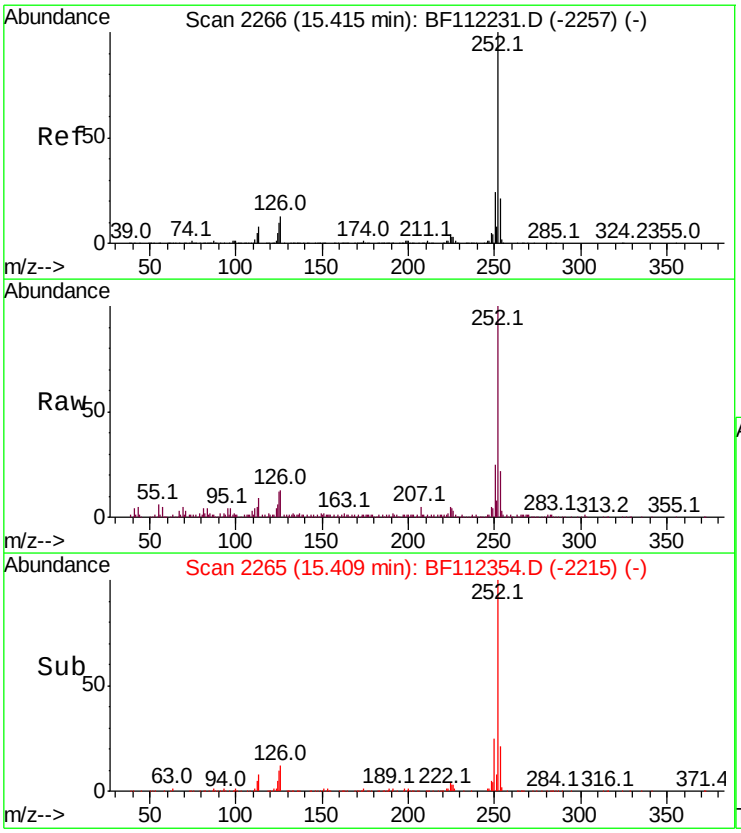
Tgt Ion:252 Resp: 40336

Ion	Ratio	Lower	Upper
252	100		
253	21.8	18.0	27.0
125	14.1	9.1	13.7#

Instrument :
BNA_F
ClientSampleId :
0038-AMND-COMP-1

Manual Integrations APPROVED
apatel
2/4/2019 12:43:04 PM

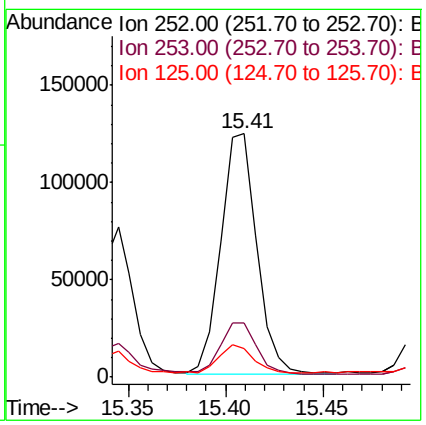


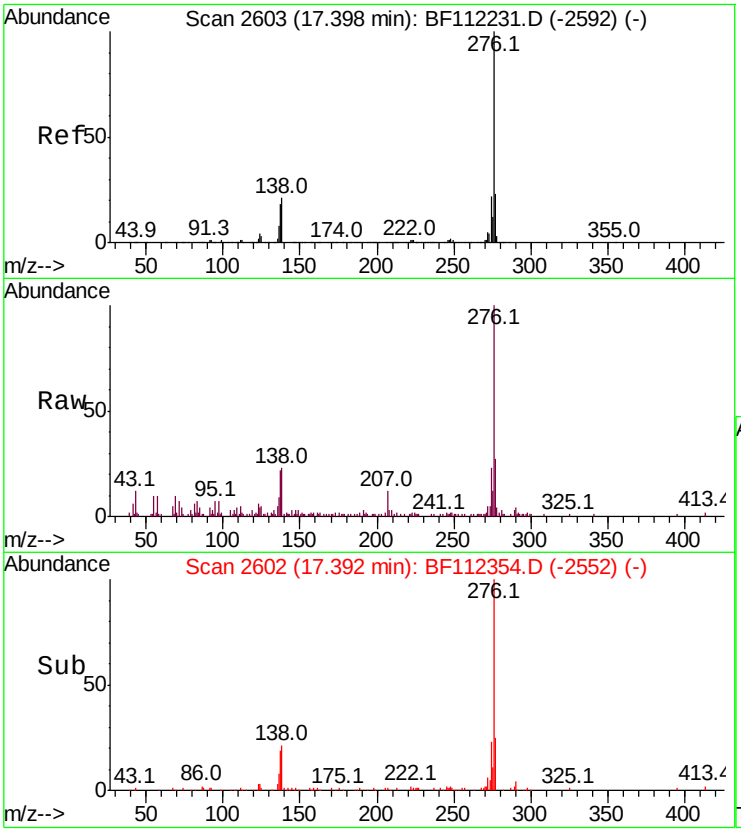


#90
Benzo(a)pyrene
Concen: 8.447 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF112354.D
Acq: 1 Feb 2019 16:30

Tgt Ion:252 Resp: 158873

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.5	26.3
125	11.7	9.0	13.4

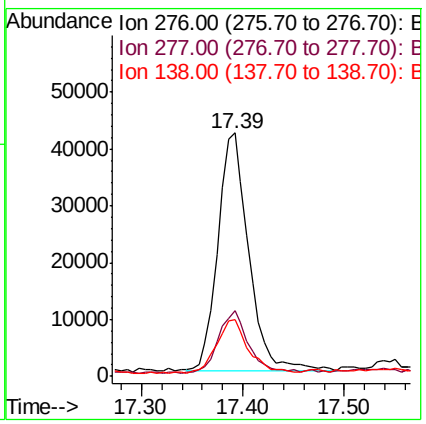




#92
Benzo(g,h,i)perylene
Concen: 6.156 ng
RT: 17.39 min Scan# 2602
Delta R.T. -0.01 min
Lab File: BF112354.D
Acq: 1 Feb 2019 16:30

Tgt Ion:276 Resp: 88037

Ion	Ratio	Lower	Upper
276	100		
277	27.1	19.4	29.0
138	23.3	19.1	28.7



Instrument :
BNA_F
ClientSampleId :
0038-AMND-COMP-1

Manual Integrations APPROVED
apatel
2/4/2019 12:43:04 PM