Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090718\
Data File : BF108865.D
Acq On : 7 Sep 2018 17:19
Operator : JU/SJ
Sample : J4779-03 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-03-090618-B

Manual Integrations APPROVED
Sohil
9/10/2018 10:39:34 AM

Quant Time: Sep 07 19:04:05 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF090518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 05 18:03:31 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	237475	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	907096	20.00	ng	0.00
38) Acenaphthene-d10	9.77	164	416713	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	659262	20.00	ng	0.00
75) Chrysene-d12	13.87	240	523241	20.00	ng	0.00
86) Perylene-d12	15.28	264	532658	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	456686	31.86	ng	0.00
7) Phenol-d6	6.36	99	597906	32.42	ng	0.00
23) Nitrobenzene-d5	7.29	82	353319	24.38	ng	-0.01
41) 2,4,6-Tribromophenol	10.55	330	117396	29.51	ng	0.00
44) 2-Fluorobiphenyl	9.09	172	697174	28.54	ng	0.00
78) Terphenyl-d14	12.82	244	478454	21.32	ng	0.00
Target Compounds						Qvalue
49) Dimethylphthalate	9.48	163	176517	6.056	ng	99
70) Phenanthrene	11.27	178	280315	8.904	ng	98
71) Anthracene	11.32	178	68829	2.283	ng	100
74) Fluoranthene	12.45	202	326194	10.465	ng	95
77) Pyrene	12.68	202	334124	8.299	ng	99
80) Benzo(a)anthracene	13.86	228	172215	5.135	ng	95
82) Chrysene	13.89	228	148481	4.573	ng	97
85) Indeno(1,2,3-cd)pyrene	16.63	276	62888	2.189	ng	95
87) Benzo(b)fluoranthene	14.88	252	187085m	6.459	ng	
88) Benzo(k)fluoranthene	14.90	252	60392m	2.264	ng	
89) Benzo(a)pyrene	15.22	252	132465	5.069	ng	# 95
91) Benzo(g,h,i)perylene	17.04	276	58429	2.534	ng	# 92

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

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090718\
Data File : BF108865.D
Acq On : 7 Sep 2018 17:19
Operator : JU/SJ
Sample : J4779-03 2X
Misc :
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 07 19:04:05 2018
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Sep 05 18:03:31 2018
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SU-03-090618-B

Manual Integrations APPROVED
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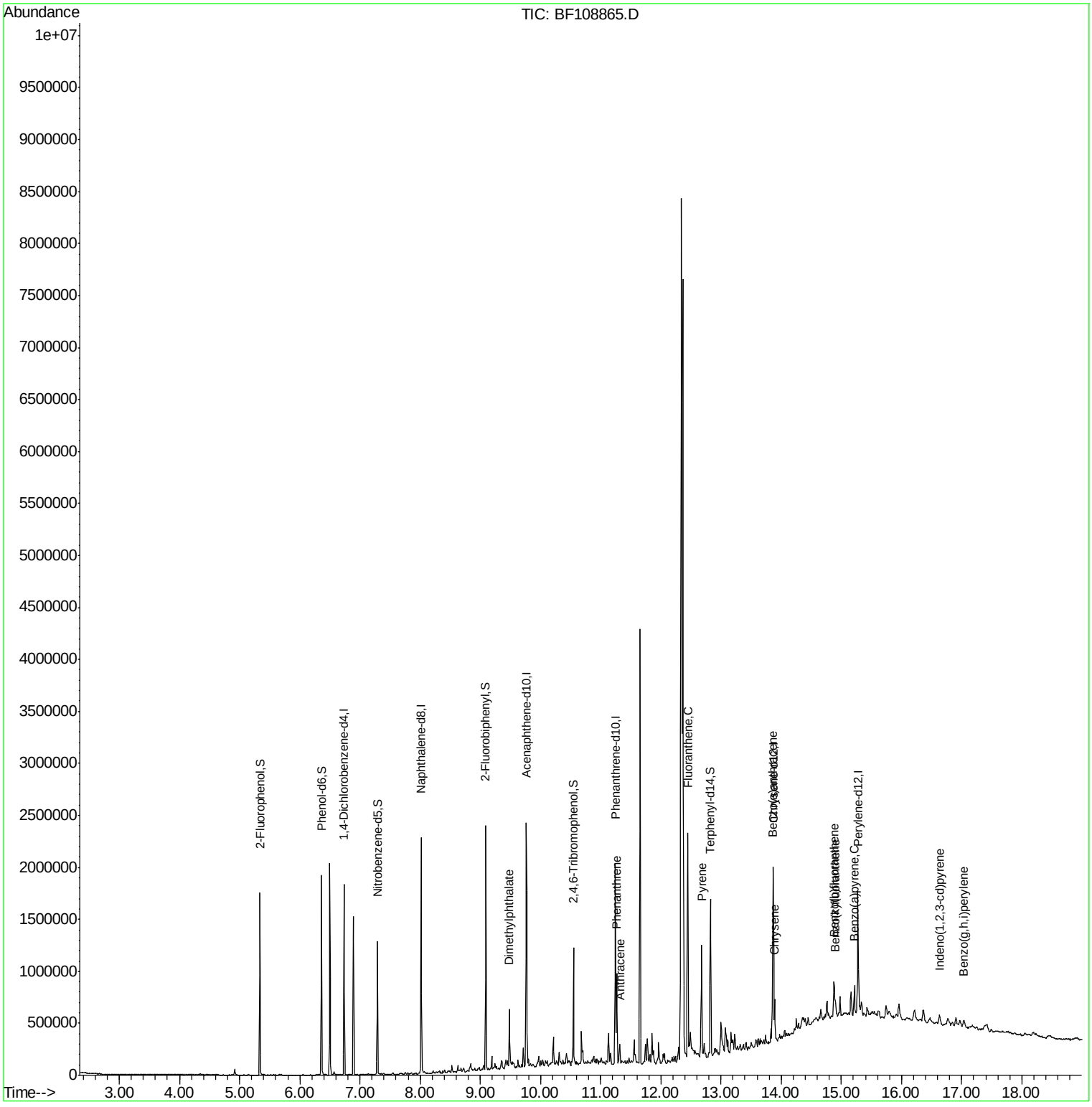
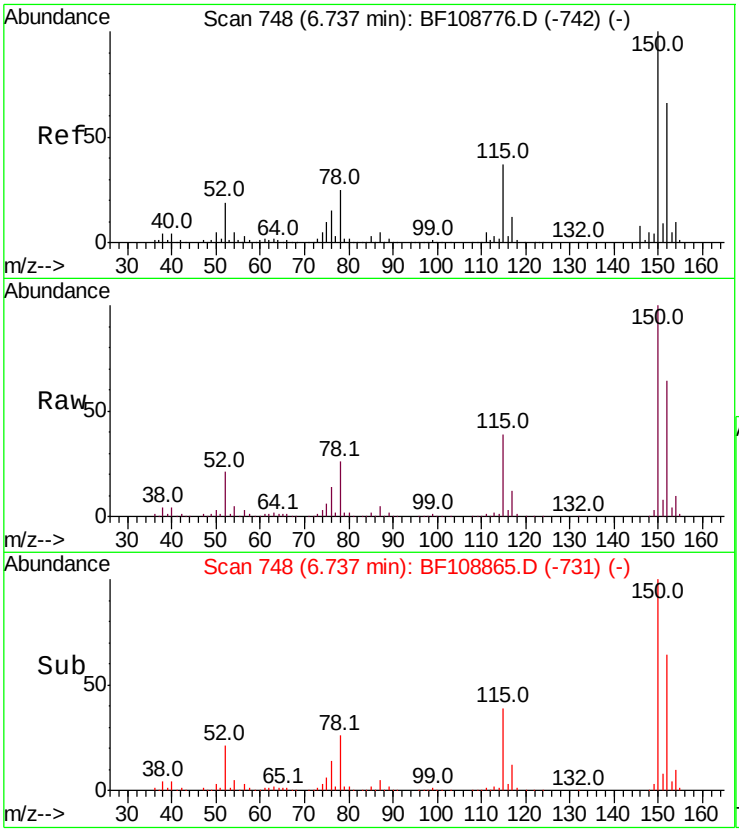
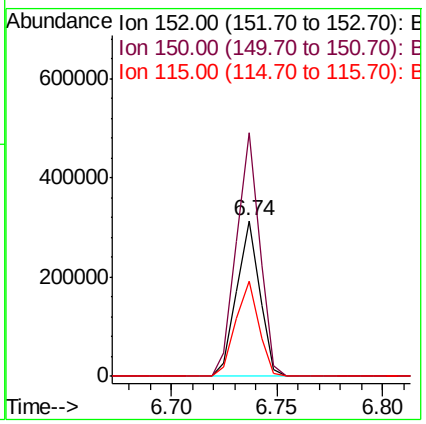




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 748
Delta R.T. -0.00 min
Lab File: BF108865.D
Acq: 7 Sep 2018 17:19

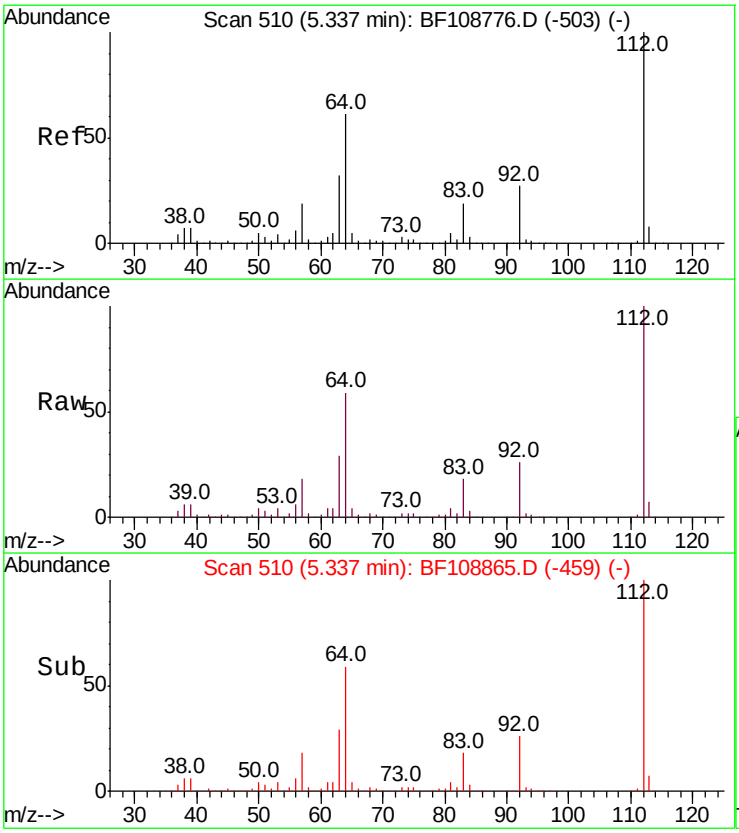
Tgt Ion:152 Resp: 237475

Ion	Ratio	Lower	Upper
152	100		
150	156.4	124.6	186.8
115	61.2	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
SU-03-090618-B

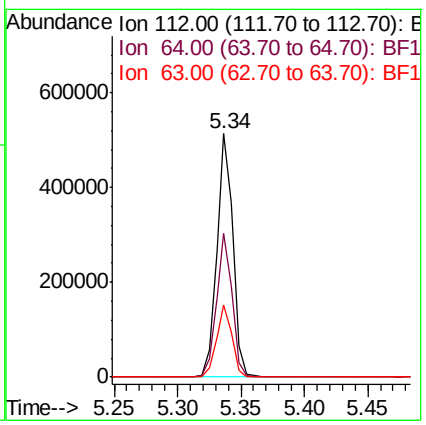
Manual Integrations APPROVED
Sohil
9/10/2018 10:39:34 AM

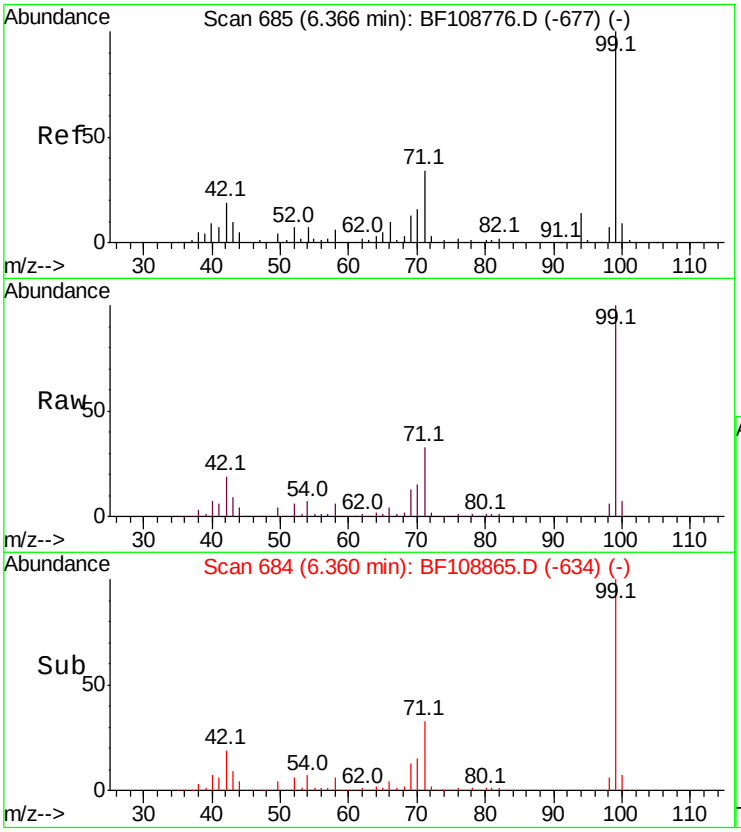


#5
2-Fluorophenol
Concen: 31.859 ng
RT: 5.34 min Scan# 510
Delta R.T. 0.00 min
Lab File: BF108865.D
Acq: 7 Sep 2018 17:19

Tgt Ion:112 Resp: 456686

Ion	Ratio	Lower	Upper
112	100		
64	59.0	47.9	71.9
63	29.4	23.7	35.5

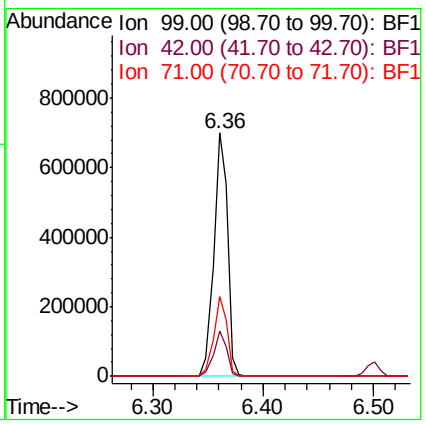




#7
Phenol-d6
Concen: 32.418 ng
RT: 6.36 min Scan# 684
Delta R.T. -0.01 min
Lab File: BF108865.D
Acq: 7 Sep 2018 17:19

Tgt Ion: 99 Resp: 597906

Ion	Ratio	Lower	Upper
99	100		
42	18.7	14.5	21.7
71	33.0	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
SU-03-090618-B

Manual Integrations APPROVED
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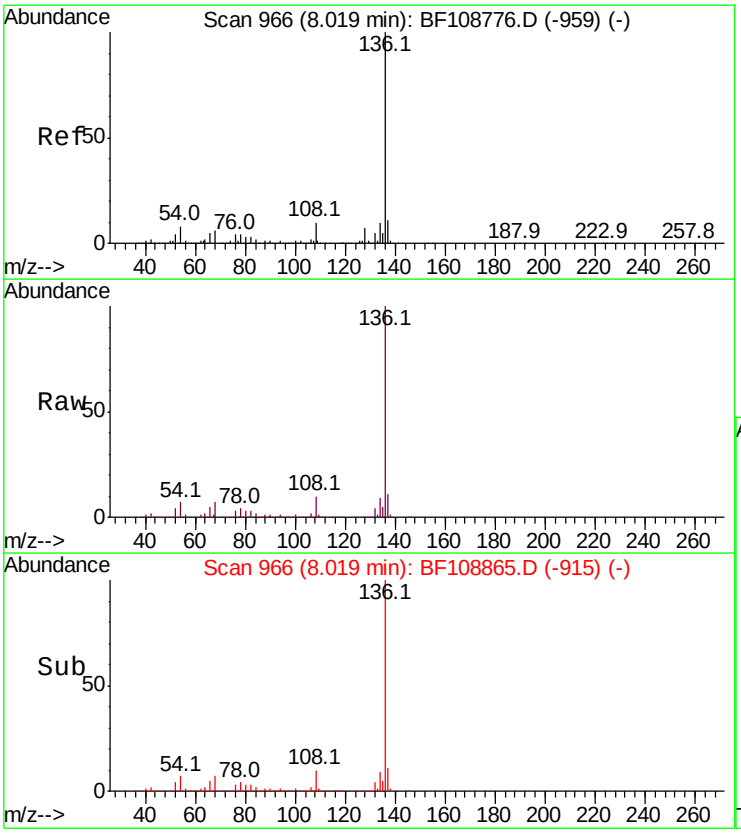
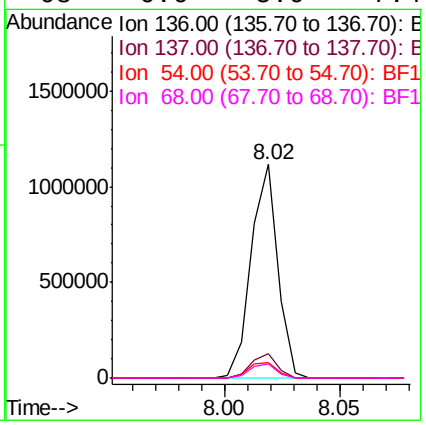
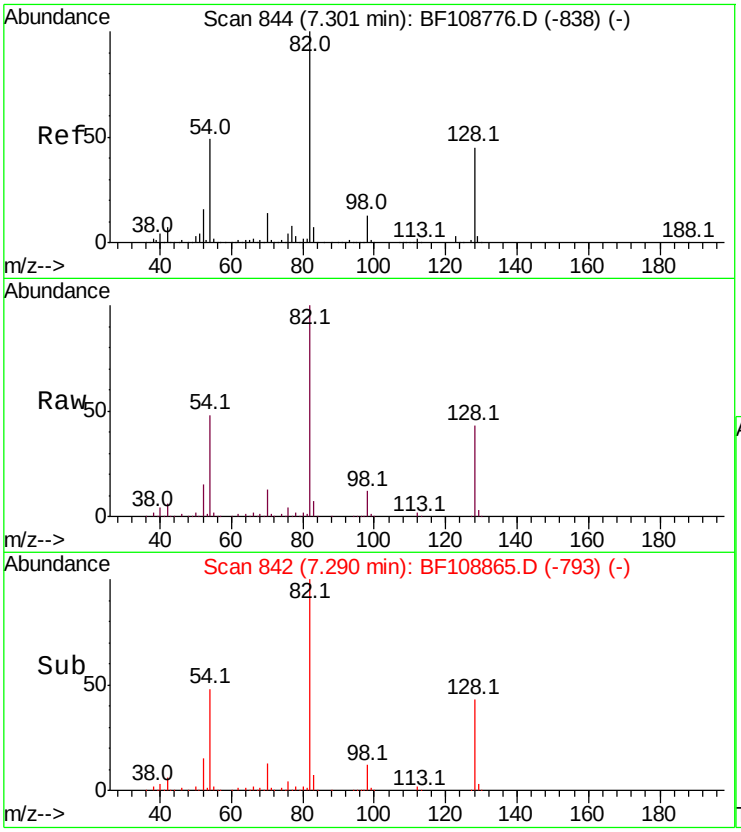


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 966
Delta R.T. -0.00 min
Lab File: BF108865.D
Acq: 7 Sep 2018 17:19

Tgt Ion:136 Resp: 907096

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.4	6.6	9.8
68	6.6	5.0	7.4

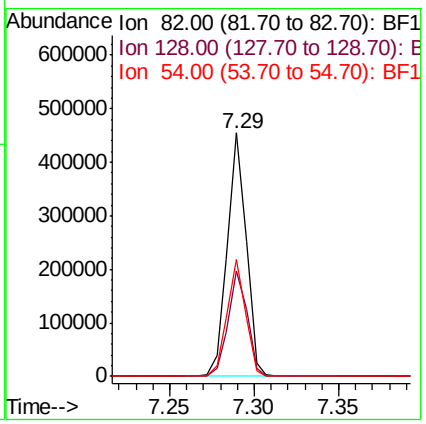




#23
Nitrobenzene-d5
Concen: 24.376 ng
RT: 7.29 min Scan# 842
Delta R.T. -0.01 min
Lab File: BF108865.D
Acq: 7 Sep 2018 17:19

Tgt Ion: 82 Resp: 353319

Ion	Ratio	Lower	Upper
82	100		
128	43.1	36.1	54.1
54	47.9	41.4	62.2



Instrument :
BNA_F
ClientSampleId :
SU-03-090618-B

Manual Integrations APPROVED
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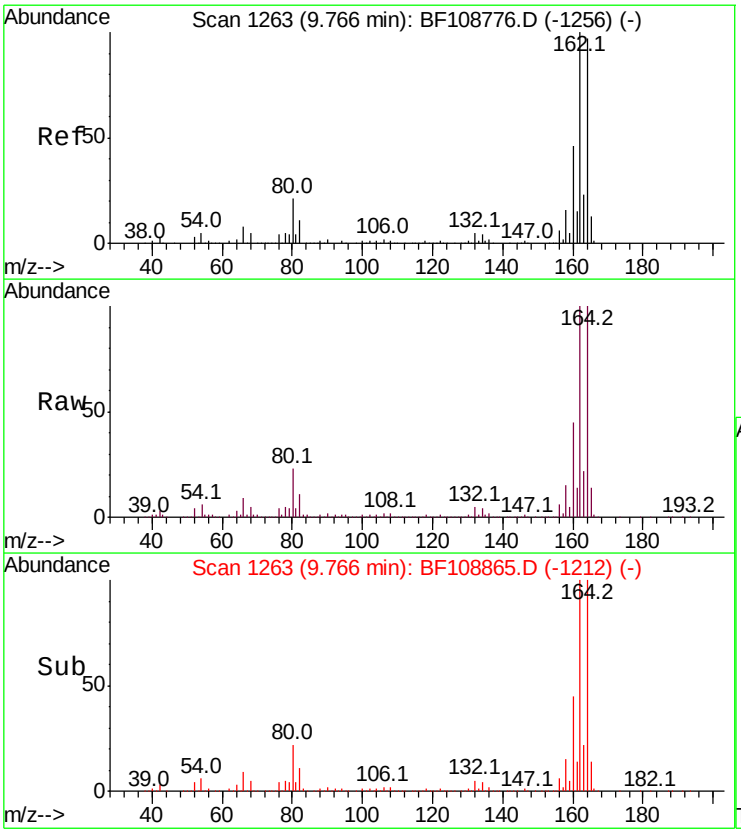
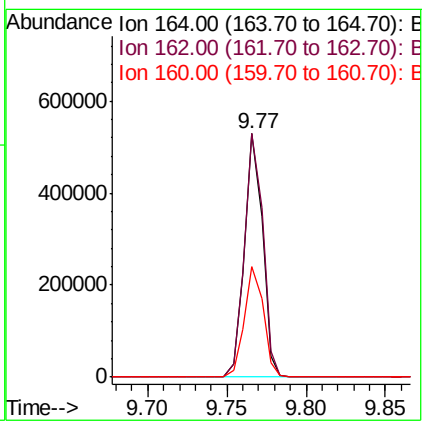
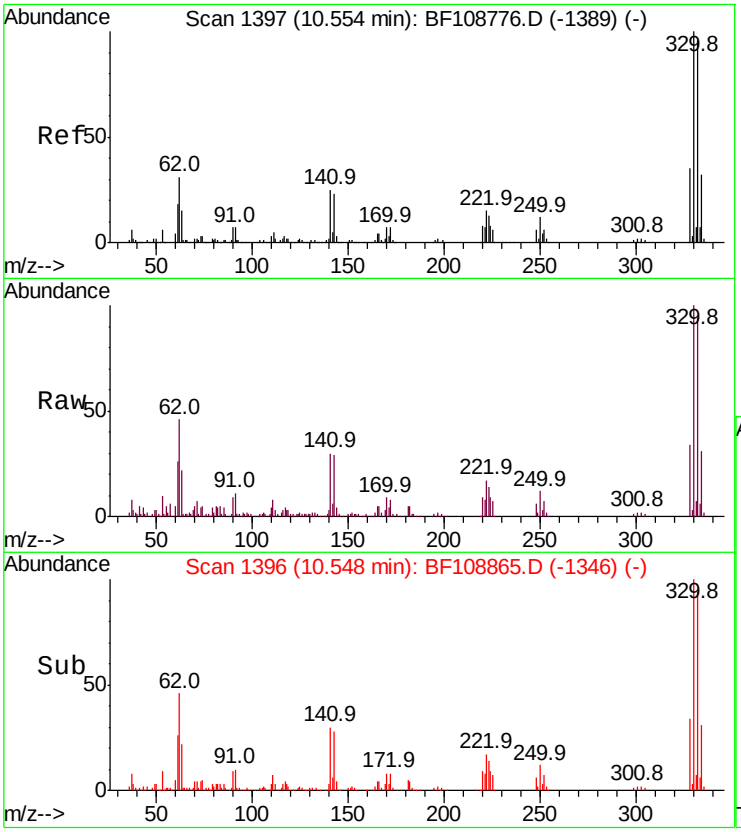


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.00 min
Lab File: BF108865.D
Acq: 7 Sep 2018 17:19

Tgt Ion:164 Resp: 416713

Ion	Ratio	Lower	Upper
164	100		
162	100.1	86.1	129.1
160	45.3	38.3	57.5

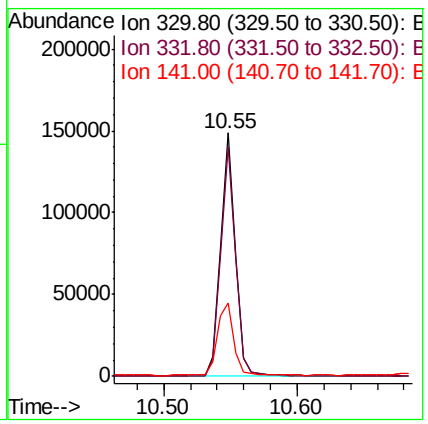




#41
2,4,6-Tribromophenol
Concen: 29.510 ng
RT: 10.55 min Scan# 1396
Delta R.T. -0.01 min
Lab File: BF108865.D
Acq: 7 Sep 2018 17:19

Tgt Ion:330 Resp: 117396

Ion	Ratio	Lower	Upper
330	100		
332	95.3	77.0	115.6
141	33.1	29.9	44.9



Instrument :
BNA_F
ClientSampleId :
SU-03-090618-B

Manual Integrations APPROVED
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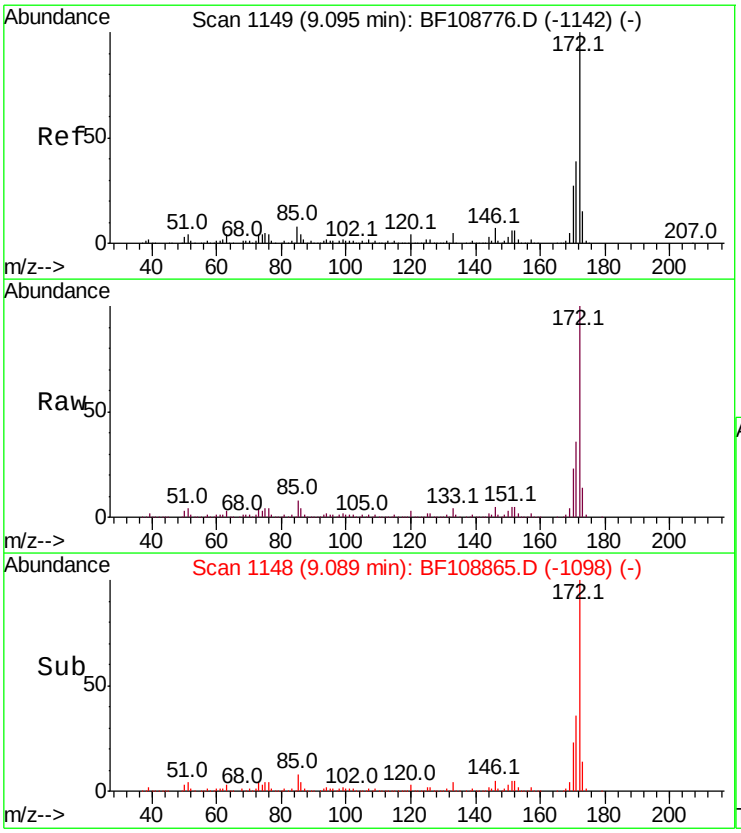
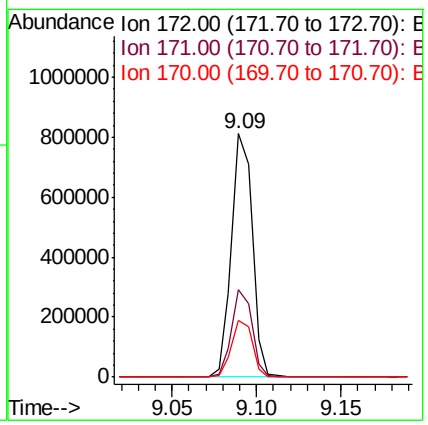
9/10/2018 10:39:34 AM

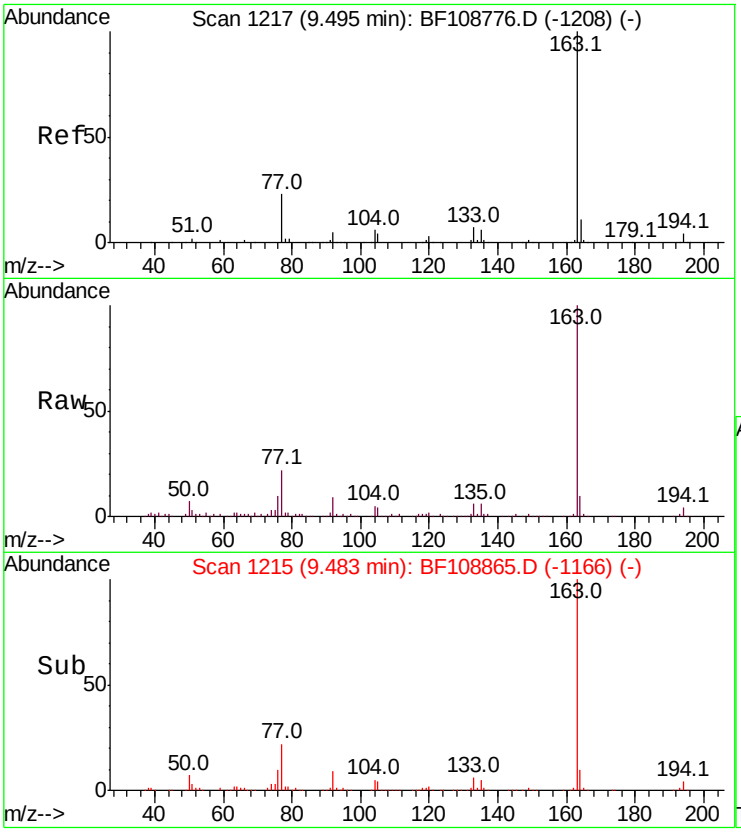


#44
2-Fluorobiphenyl
Concen: 28.542 ng
RT: 9.09 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BF108865.D
Acq: 7 Sep 2018 17:19

Tgt Ion:172 Resp: 697174

Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.7	44.5
170	23.3	19.6	29.4

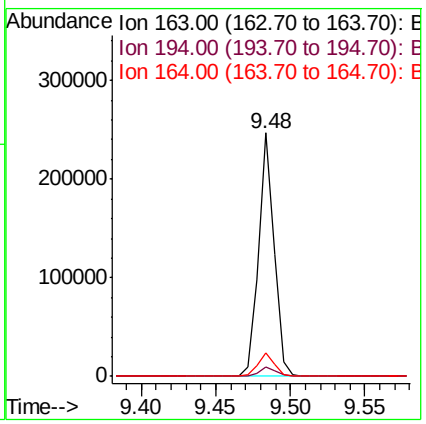




#49
Dimethylphthalate
Concen: 6.056 ng
RT: 9.48 min Scan# 1215
Delta R.T. -0.01 min
Lab File: BF108865.D
Acq: 7 Sep 2018 17:19

Tgt Ion:163 Resp: 176517

Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.7	4.1
164	9.9	8.2	12.2



Instrument :
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ClientSampleId :
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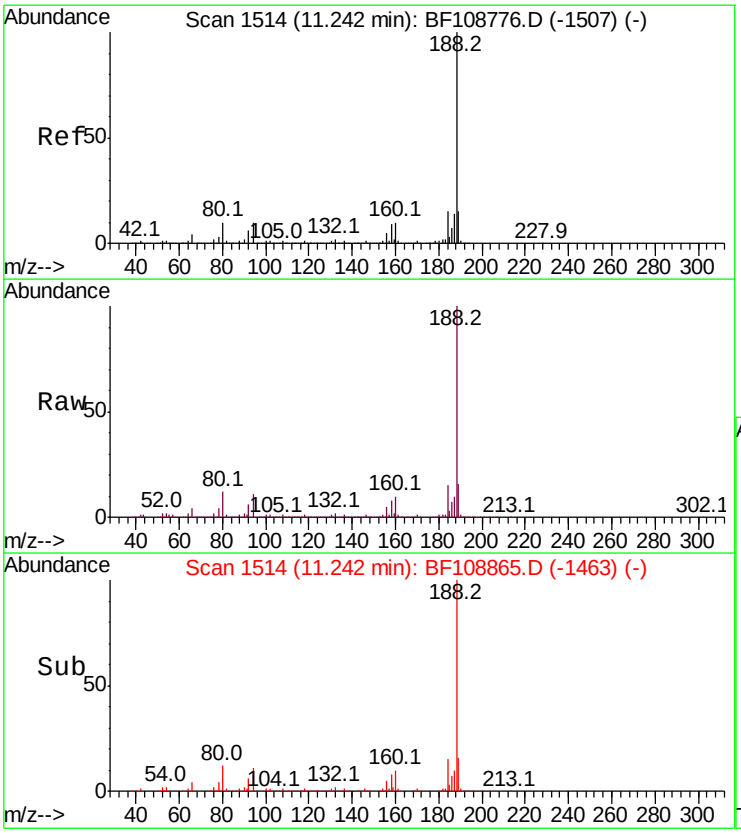
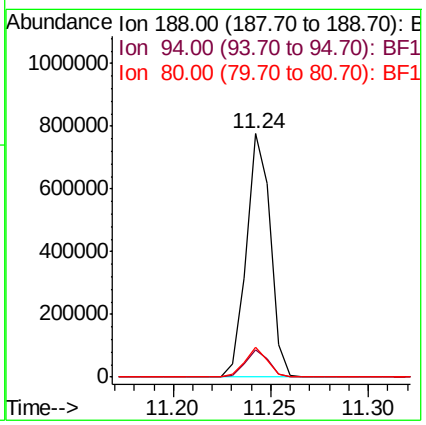
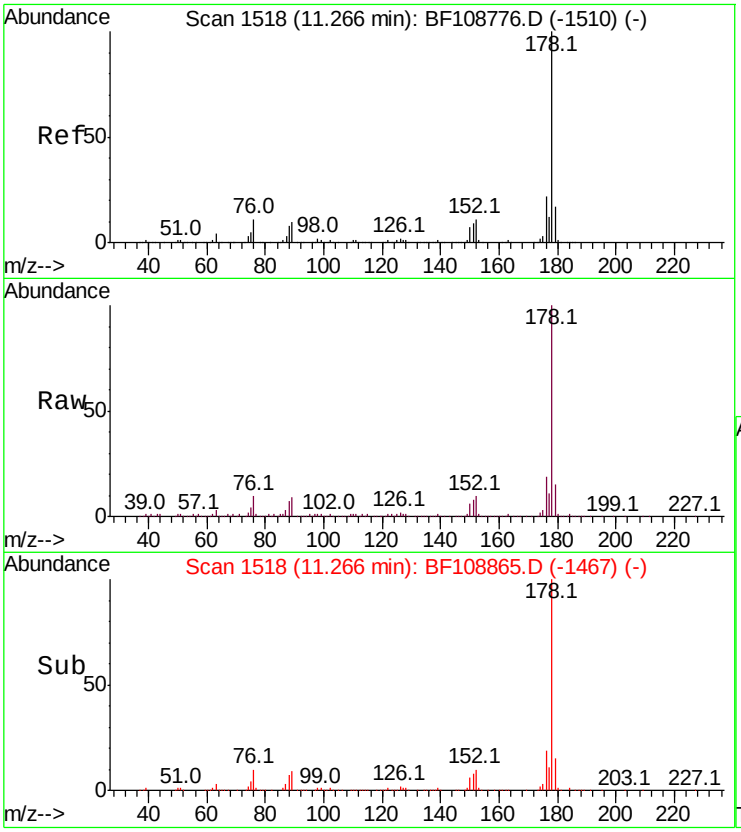


#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1514
Delta R.T. -0.00 min
Lab File: BF108865.D
Acq: 7 Sep 2018 17:19

Tgt Ion:188 Resp: 659262

Ion	Ratio	Lower	Upper
188	100		
94	11.4	8.5	12.7
80	12.2	9.2	13.8

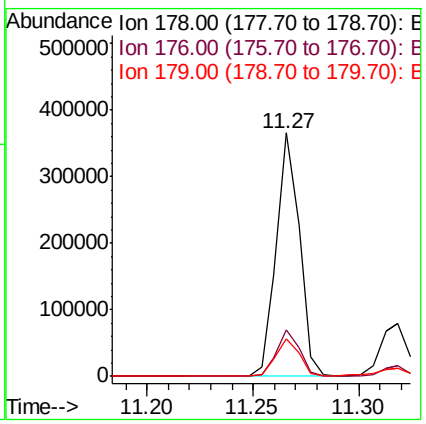




#70
Phenanthrene
Concen: 8.904 ng
RT: 11.27 min Scan# 1518
Delta R.T. -0.00 min
Lab File: BF108865.D
Acq: 7 Sep 2018 17:19

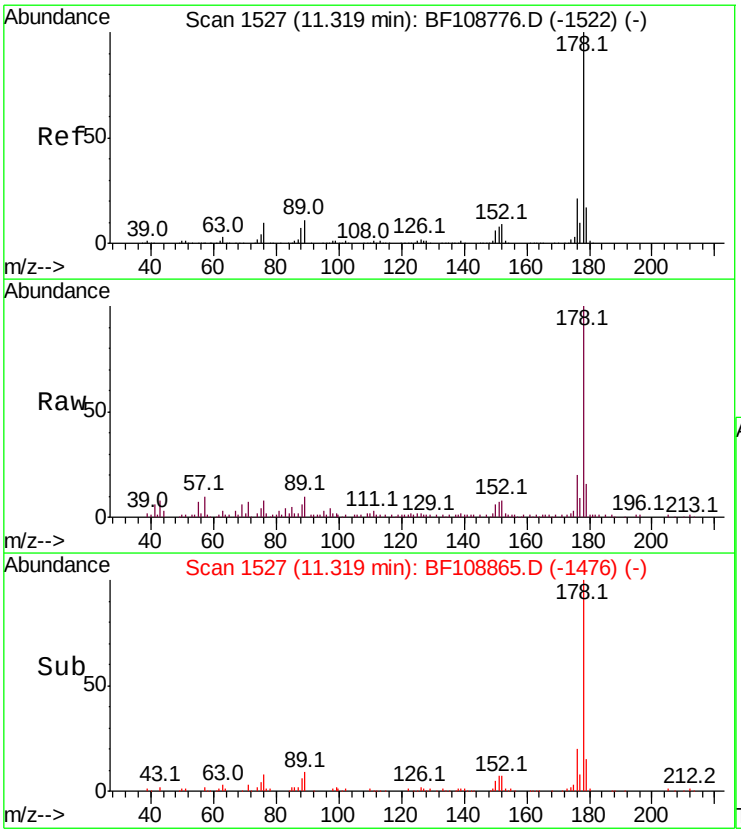
Tgt Ion:178 Resp: 280315

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.8	23.8
179	15.3	13.0	19.6



Instrument :
BNA_F
ClientSampleId :
SU-03-090618-B

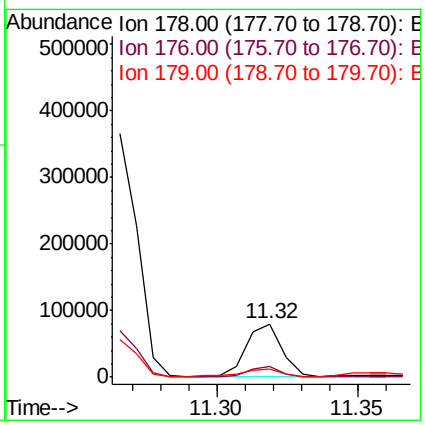
Manual Integrations APPROVED
Sohil
9/10/2018 10:39:34 AM

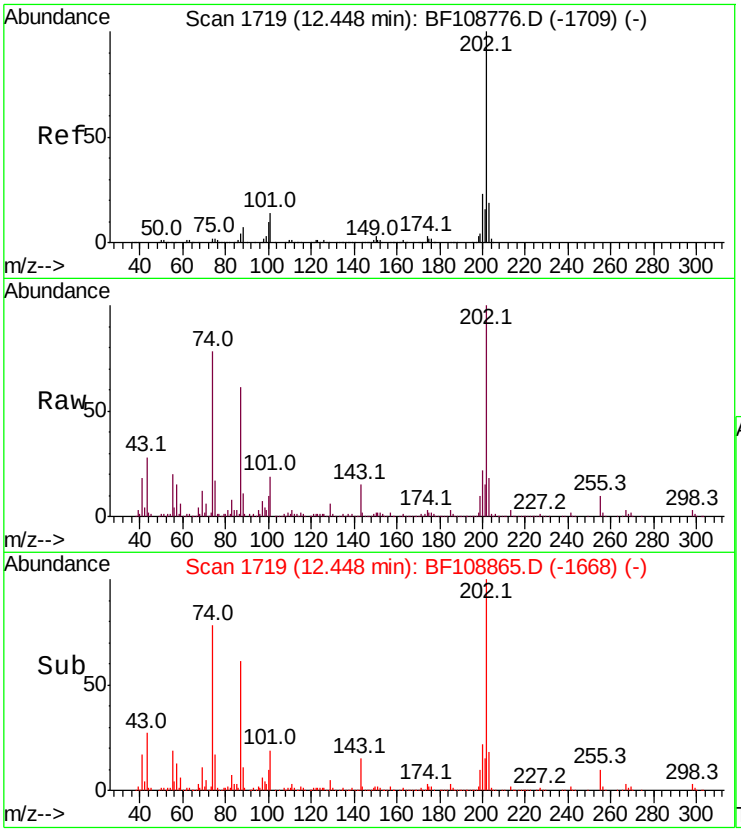


#71
Anthracene
Concen: 2.283 ng
RT: 11.32 min Scan# 1527
Delta R.T. -0.00 min
Lab File: BF108865.D
Acq: 7 Sep 2018 17:19

Tgt Ion:178 Resp: 68829

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.4	23.2
179	15.8	12.6	19.0

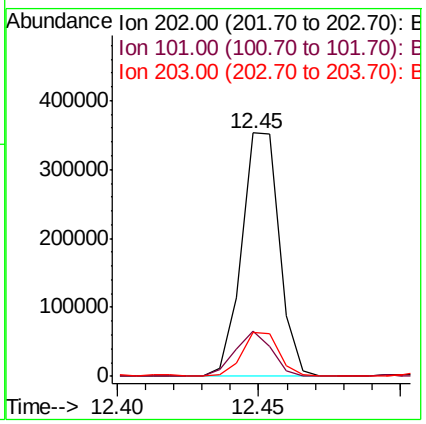




#74
Fluoranthene
Concen: 10.465 ng
RT: 12.45 min Scan# 1719
Delta R.T. 0.00 min
Lab File: BF108865.D
Acq: 7 Sep 2018 17:19

Tgt Ion:202 Resp: 326194

Ion	Ratio	Lower	Upper
202	100		
101	18.6	0.0	34.1
203	17.8	0.0	38.1



Instrument :
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Manual Integrations APPROVED
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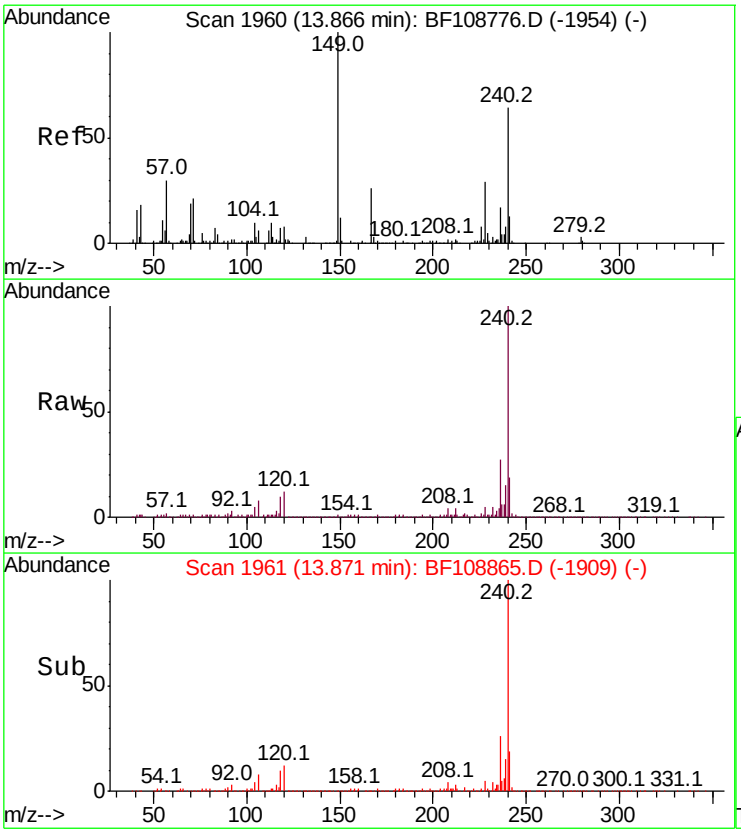
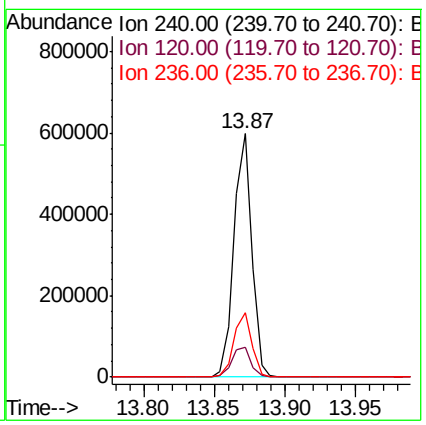
9/10/2018 10:39:34 AM

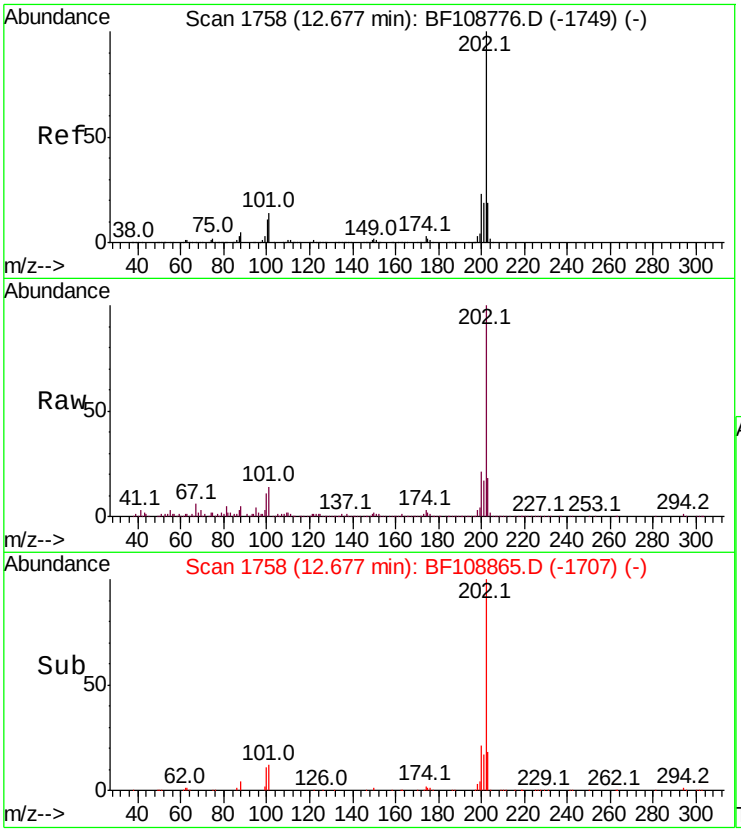


#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 1961
Delta R.T. 0.01 min
Lab File: BF108865.D
Acq: 7 Sep 2018 17:19

Tgt Ion:240 Resp: 523241

Ion	Ratio	Lower	Upper
240	100		
120	12.1	9.5	14.3
236	26.6	20.7	31.1

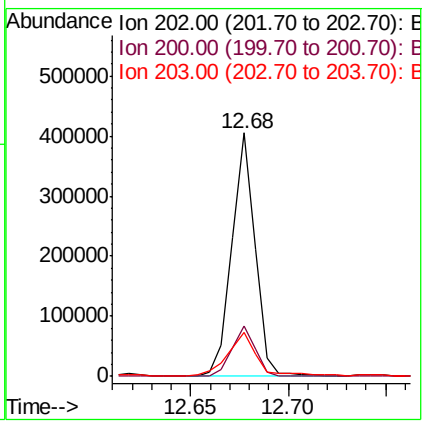




#77
Pyrene
Concen: 8.299 ng
RT: 12.68 min Scan# 1758
Delta R.T. 0.00 min
Lab File: BF108865.D
Acq: 7 Sep 2018 17:19

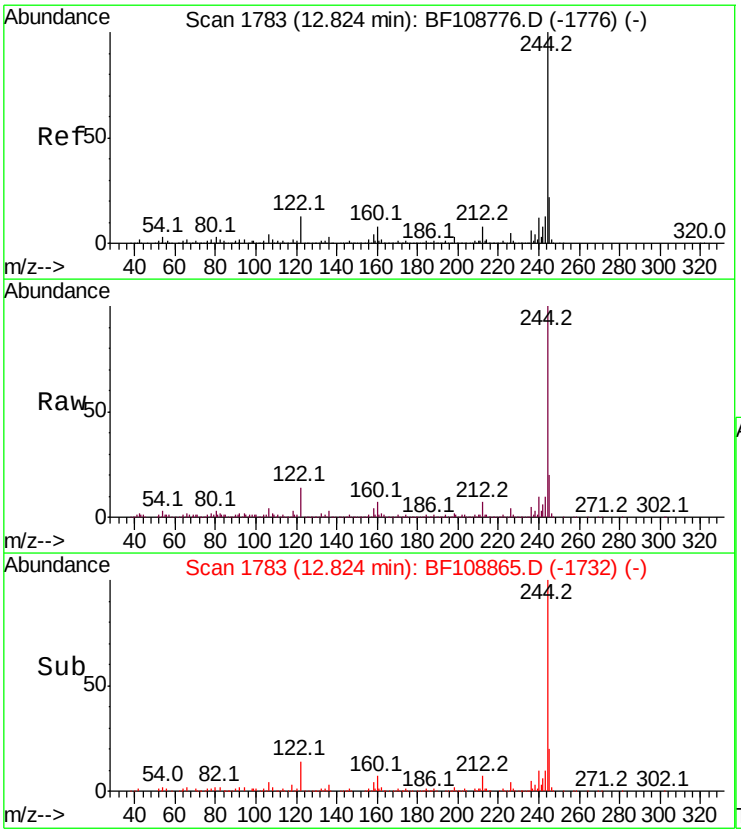
Tgt Ion:202 Resp: 334124

Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.4	26.2
203	17.9	14.3	21.5



Instrument :
BNA_F
ClientSampleId :
SU-03-090618-B

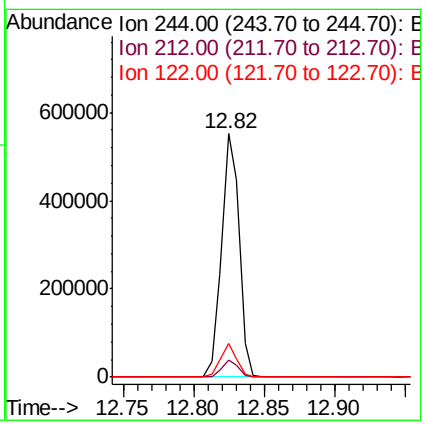
Manual Integrations APPROVED
Sohil
9/10/2018 10:39:34 AM

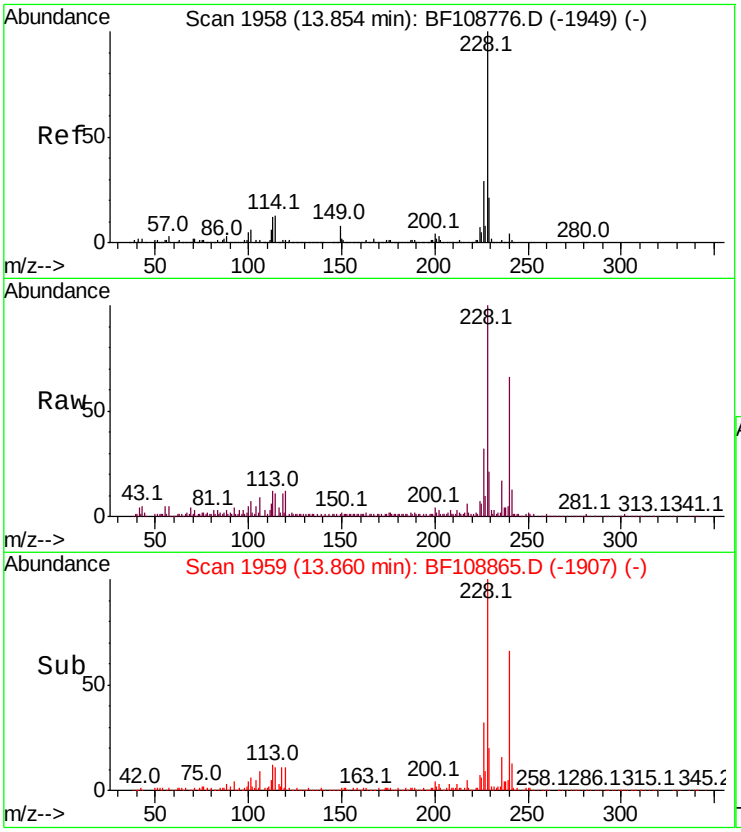


#78
Terphenyl-d14
Concen: 21.323 ng
RT: 12.82 min Scan# 1783
Delta R.T. 0.00 min
Lab File: BF108865.D
Acq: 7 Sep 2018 17:19

Tgt Ion:244 Resp: 478454

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	13.8	11.0	16.4

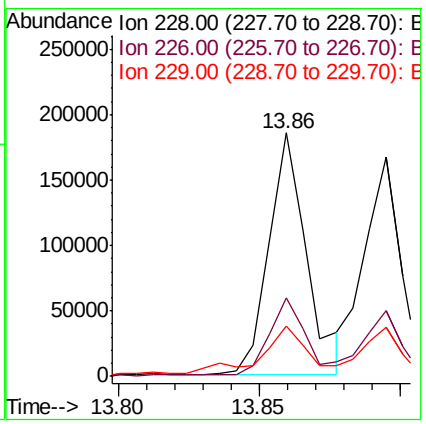




#80
Benzo(a)anthracene
Concen: 5.135 ng
RT: 13.86 min Scan# 1959
Delta R.T. 0.01 min
Lab File: BF108865.D
Acq: 7 Sep 2018 17:19

Tgt Ion:228 Resp: 172215

Ion	Ratio	Lower	Upper
228	100		
226	32.1	22.6	33.8
229	20.7	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
SU-03-090618-B

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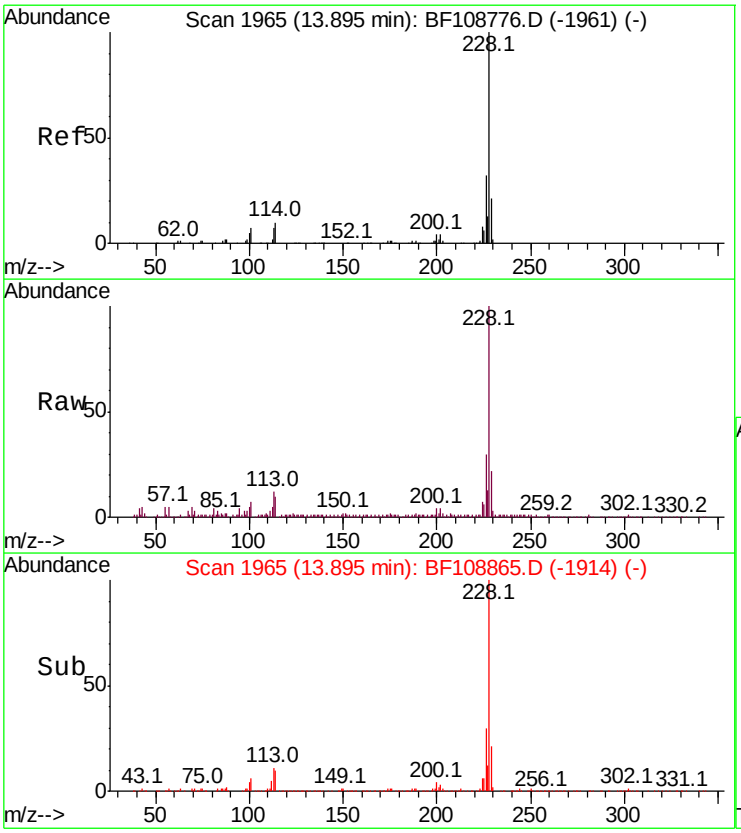
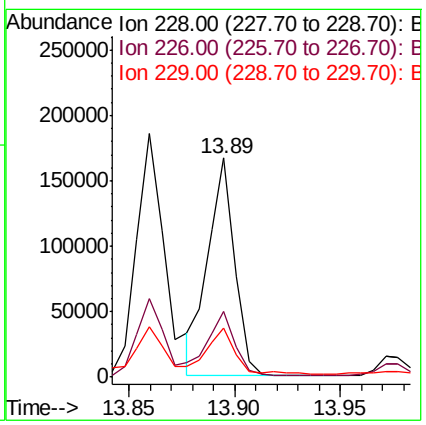
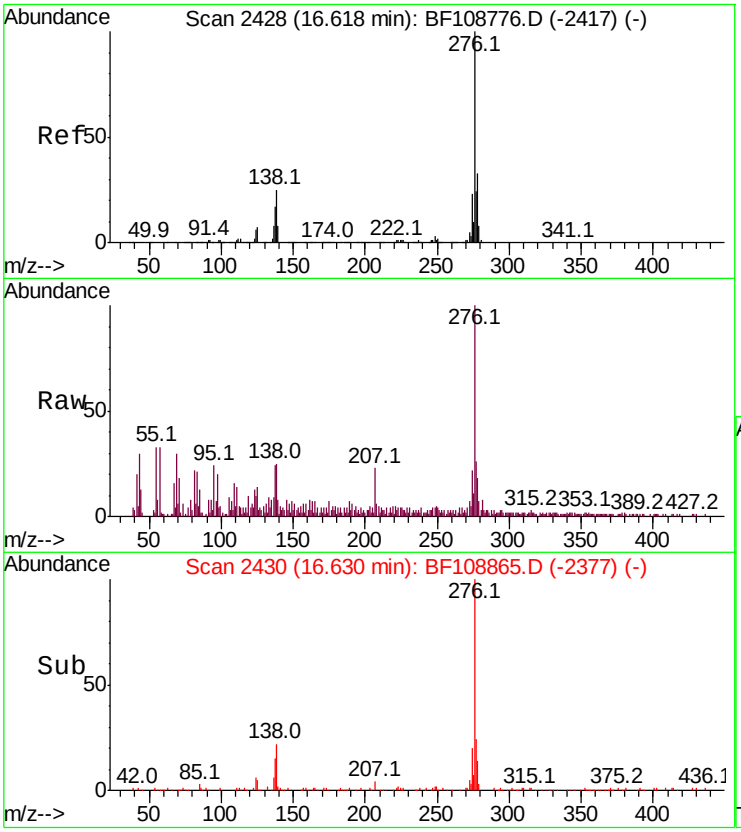


#82
Chrysene
Concen: 4.573 ng
RT: 13.89 min Scan# 1965
Delta R.T. 0.00 min
Lab File: BF108865.D
Acq: 7 Sep 2018 17:19

Tgt Ion:228 Resp: 148481

Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.0	37.6
229	22.1	16.2	24.4

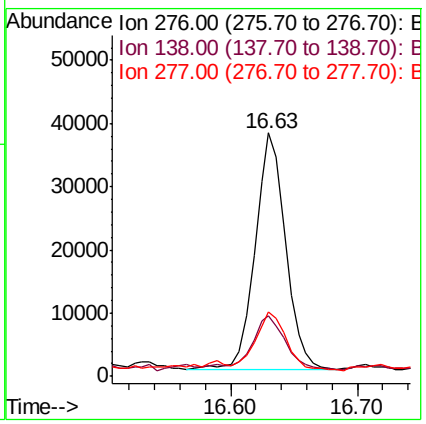




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.189 ng
RT: 16.63 min Scan# 2430
Delta R.T. 0.01 min
Lab File: BF108865.D
Acq: 7 Sep 2018 17:19

Tgt Ion:276 Resp: 62888

Ion	Ratio	Lower	Upper
276	100		
138	26.3	25.0	37.6
277	25.2	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
SU-03-090618-B

Manual Integrations APPROVED
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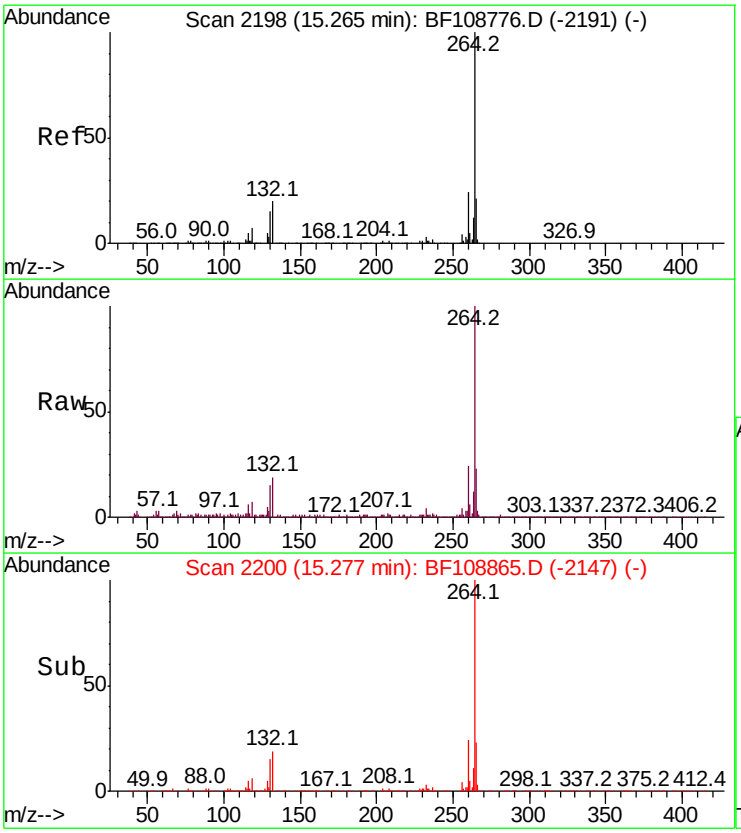
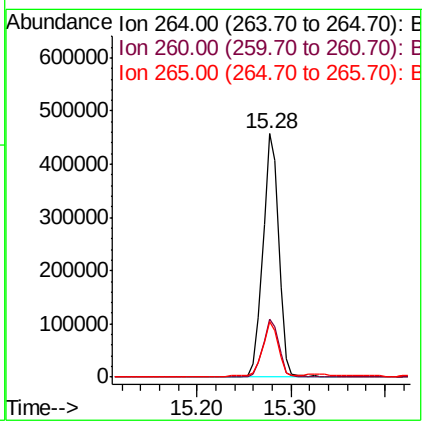
9/10/2018 10:39:34 AM

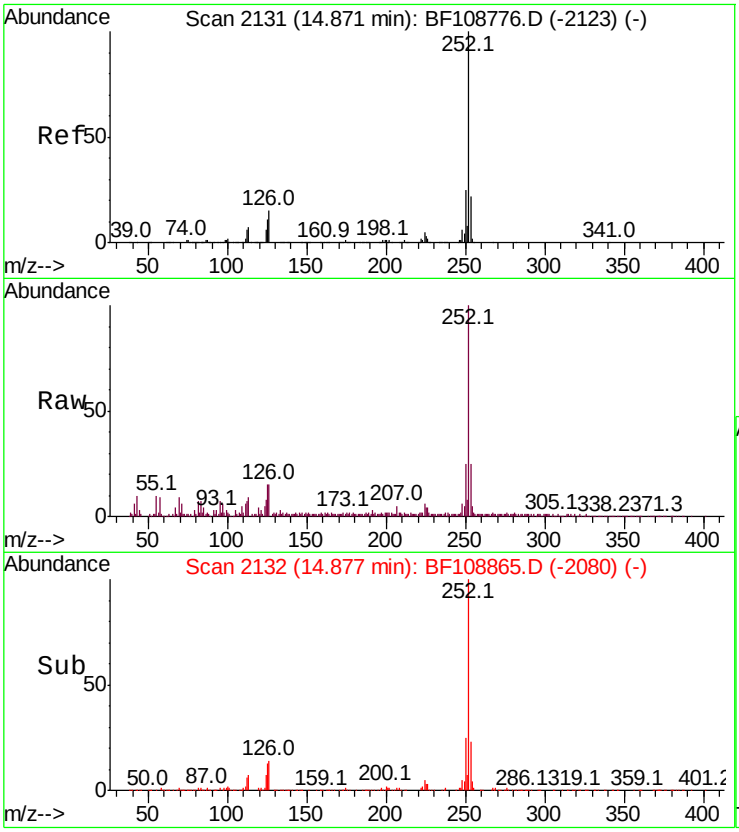


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BF108865.D
Acq: 7 Sep 2018 17:19

Tgt Ion:264 Resp: 532658

Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.2	28.8
265	22.9	17.5	26.3





#87
Benzo(b)fluoranthene
Concen: 6.459 ng m
RT: 14.88 min Scan# 2132
Delta R.T. 0.01 min
Lab File: BF108865.D
Acq: 7 Sep 2018 17:19

Tgt Ion:252 Resp: 187085

Ion	Ratio	Lower	Upper
252	100		
253	24.7	17.0	25.6
125	15.1	9.0	13.6#

Instrument :
BNA_F
ClientSampleId :
SU-03-090618-B

Manual Integrations APPROVED
Sohil
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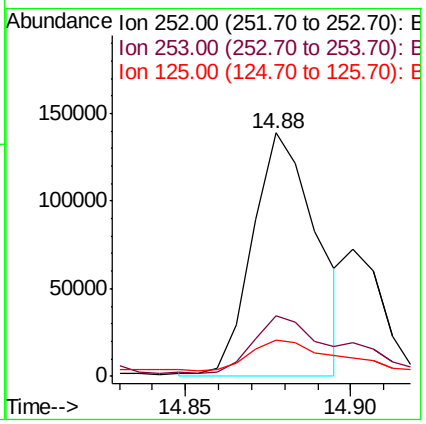
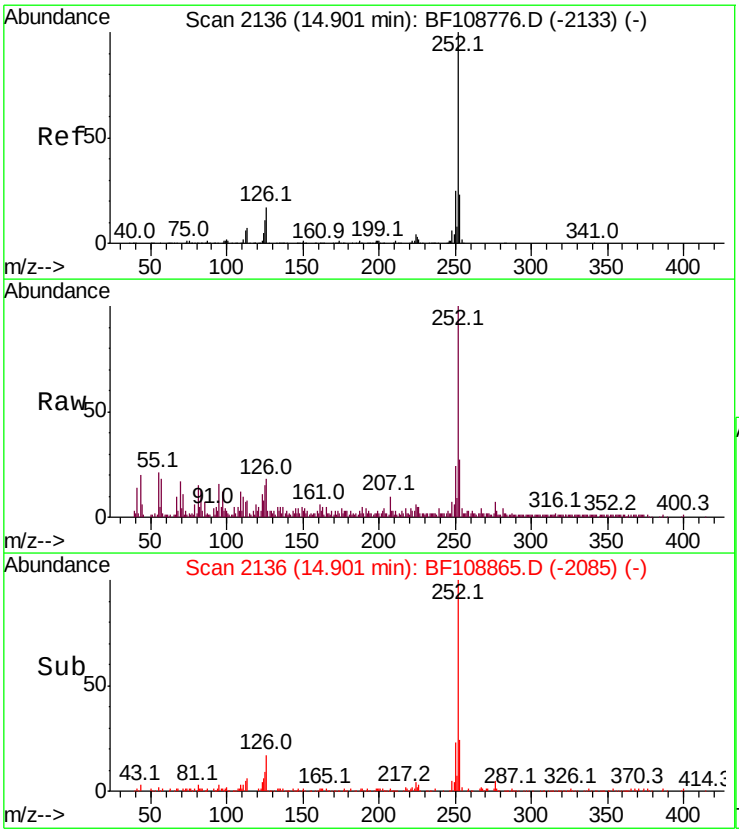
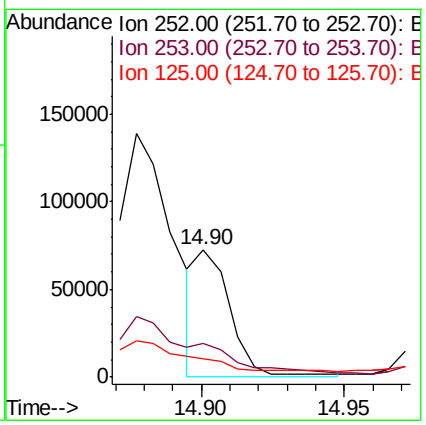


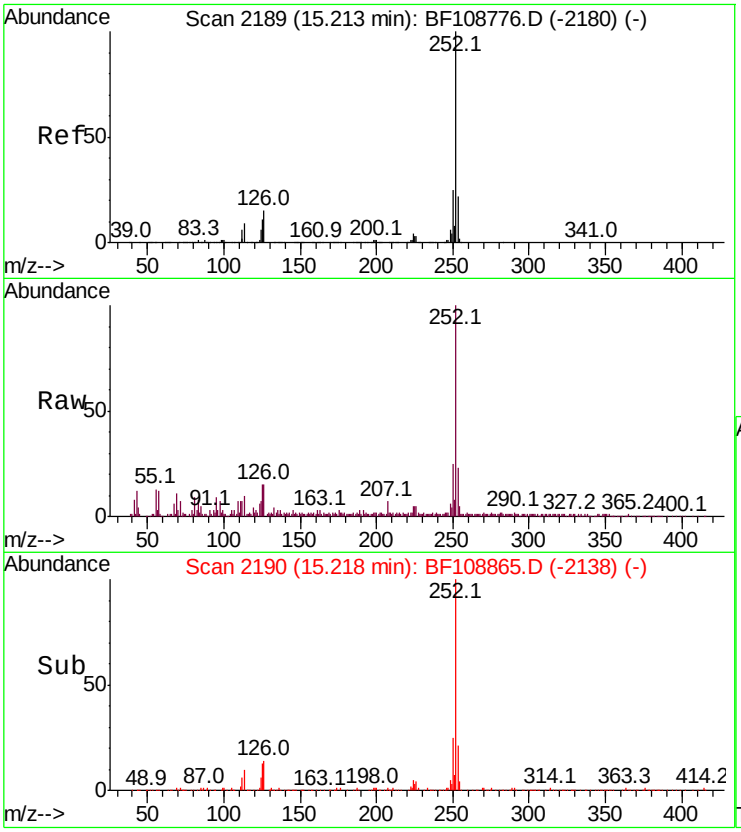


#88
Benzo(k)fluoranthene
Concen: 2.264 ng m
RT: 14.90 min Scan# 2136
Delta R.T. 0.00 min
Lab File: BF108865.D
Acq: 7 Sep 2018 17:19

Tgt Ion:252 Resp: 60392

Ion	Ratio	Lower	Upper
252	100		
253	26.8	17.9	26.9
125	14.8	10.2	15.2





#89
Benzo(a)pyrene
Concen: 5.069 ng
RT: 15.22 min Scan# 2190
Delta R.T. 0.01 min
Lab File: BF108865.D
Acq: 7 Sep 2018 17:19

Tgt Ion:252 Resp: 132465

Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	14.9	9.8	14.6#

Instrument :
BNA_F
ClientSampleId :
SU-03-090618-B

Manual Integrations APPROVED
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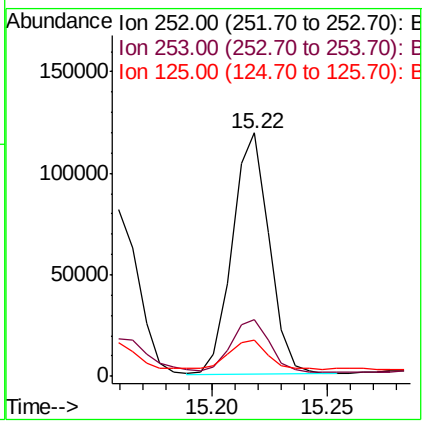
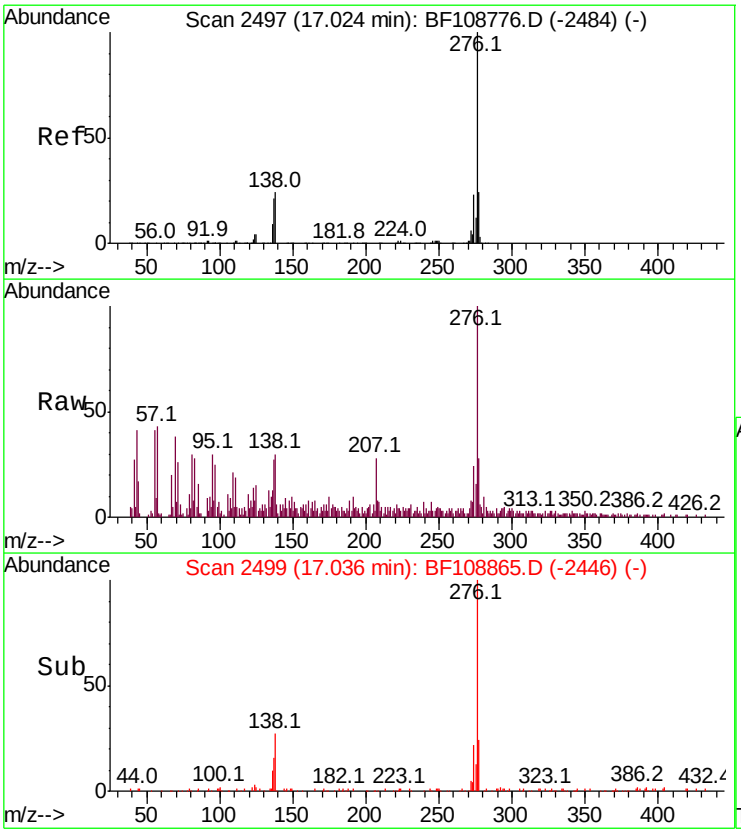
9/10/2018 10:39:34 AM





#91
Benzo(g,h,i)perylene
Concen: 2.534 ng
RT: 17.04 min Scan# 2499
Delta R.T. 0.01 min
Lab File: BF108865.D
Acq: 7 Sep 2018 17:19

Tgt Ion:276 Resp: 58429

Ion	Ratio	Lower	Upper
276	100		
277	28.1	17.9	26.9#
138	30.2	21.8	32.8