Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090718\
Data File : BF108858.D
Acq On : 7 Sep 2018 14:11
Operator : JU/SJ
Sample : J4774-01 10X
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-03-090618

Manual Integrations APPROVED
Sohil
9/10/2018 10:39:18 AM

Quant Time: Sep 07 14:46:54 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	266103	20.00	ng		0.00
21) Naphthalene-d8	8.02	136	1044452	20.00	ng		0.00
38) Acenaphthene-d10	9.77	164	499282	20.00	ng		0.00
63) Phenanthrene-d10	11.24	188	819344	20.00	ng		0.00
75) Chrysene-d12	13.87	240	591933	20.00	ng		0.00
86) Perylene-d12	15.28	264	556008	20.00	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.33	112	132344	8.24	ng		0.00
7) Phenol-d6	6.36	99	176850	8.56	ng		0.00
23) Nitrobenzene-d5	7.29	82	103324	6.19	ng		-0.01
41) 2,4,6-Tribromophenol	10.55	330	28431	5.96	ng		0.00
44) 2-Fluorobiphenyl	9.09	172	211906	7.24	ng		0.00
78) Terphenyl-d14	12.82	244	161360	6.36	ng		0.00
Target Compounds							Qvalue
70) Phenanthrene	11.27	178	263009	6.722	ng		98
74) Fluoranthene	12.45	202	390915	10.091	ng		98
77) Pyrene	12.68	202	387815	8.514	ng		99
80) Benzo(a)anthracene	13.86	228	186204	4.908	ng	#	92
82) Chrysene	13.89	228	174056	4.739	ng		97
85) Indeno(1,2,3-cd)pyrene	16.62	276	79140	2.435	ng		93
87) Benzo(b)fluoranthene	14.88	252	205309m	6.791	ng		
88) Benzo(k)fluoranthene	14.90	252	80644m	2.896	ng		
89) Benzo(a)pyrene	15.21	252	147031	5.390	ng		96
91) Benzo(g,h,i)perylene	17.03	276	72417	3.009	ng		96

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

Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090718\
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Misc :
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Instrument :
BNA_F
ClientSampleId :
OK-03-090618

Manual Integrations APPROVED
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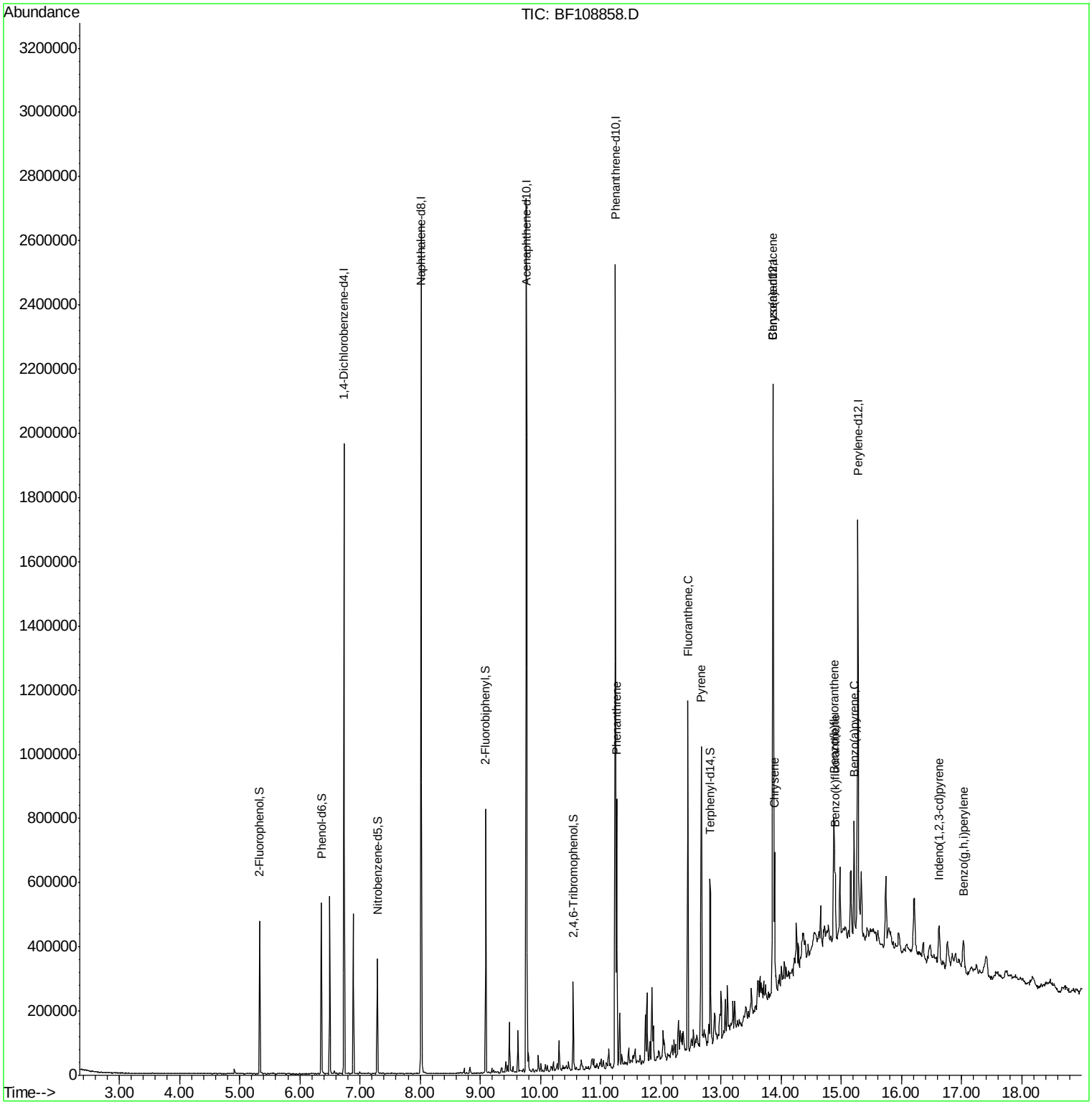
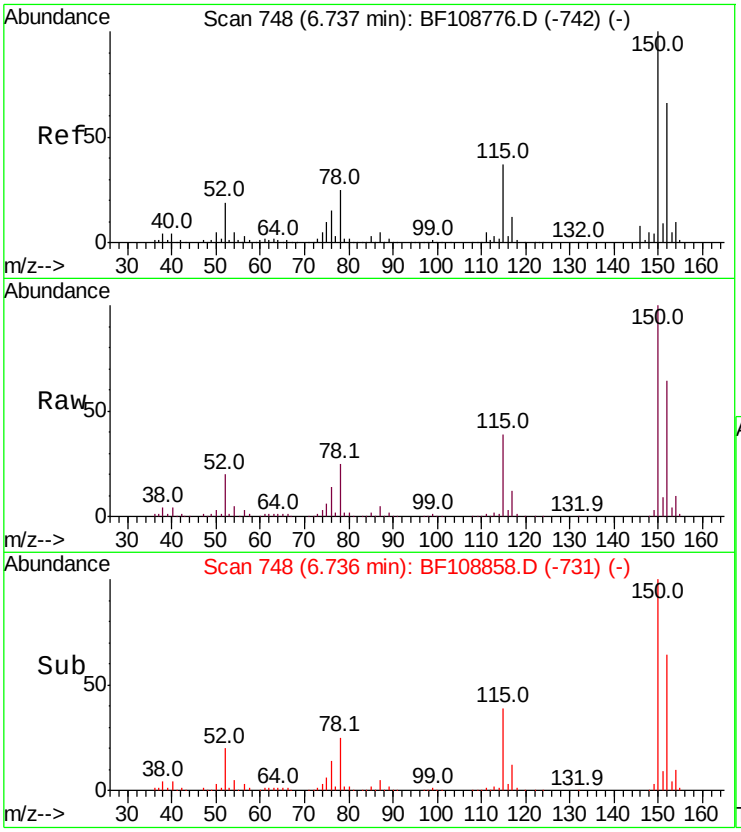
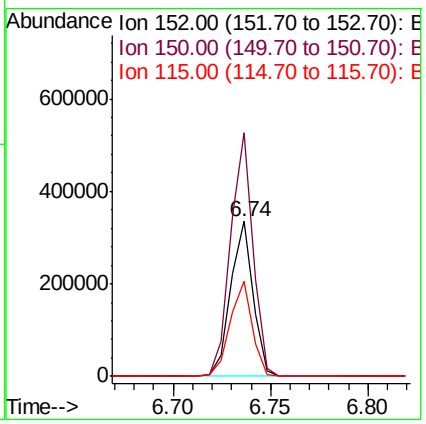




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.74 min Scan# 748
Delta R.T. -0.00 min
Lab File: BF108858.D
Acq: 7 Sep 2018 14:11

Tgt Ion:152 Resp: 266103

Ion	Ratio	Lower	Upper
152	100		
150	156.9	124.6	186.8
115	61.6	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
OK-03-090618

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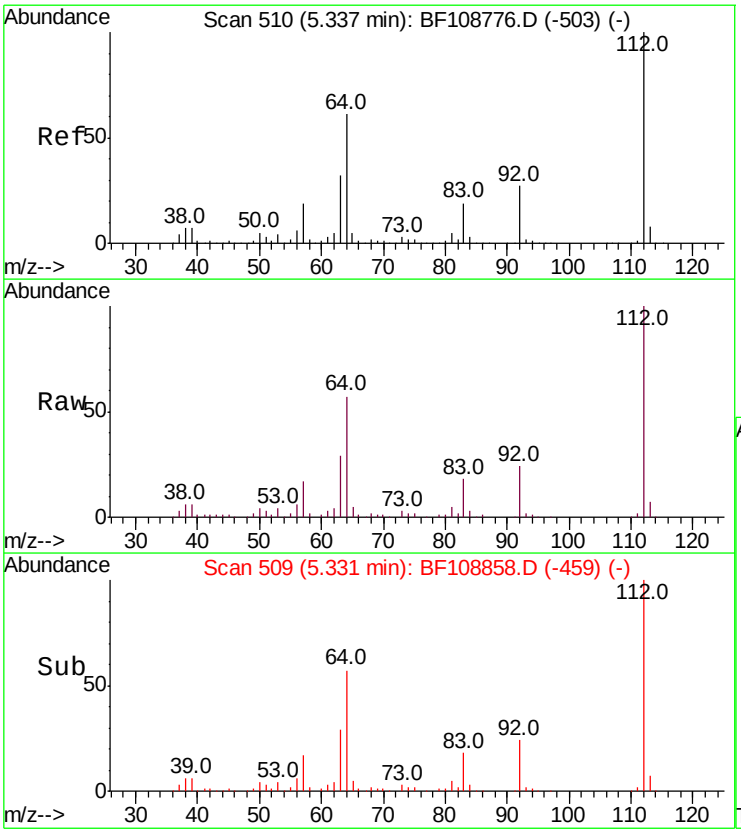
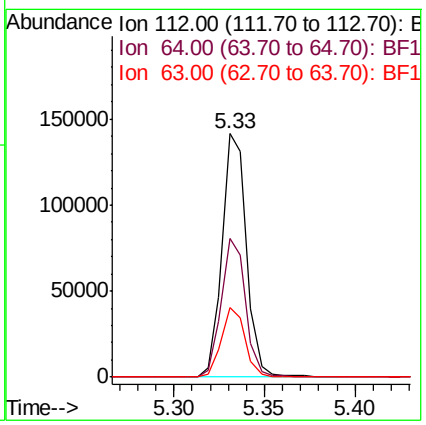
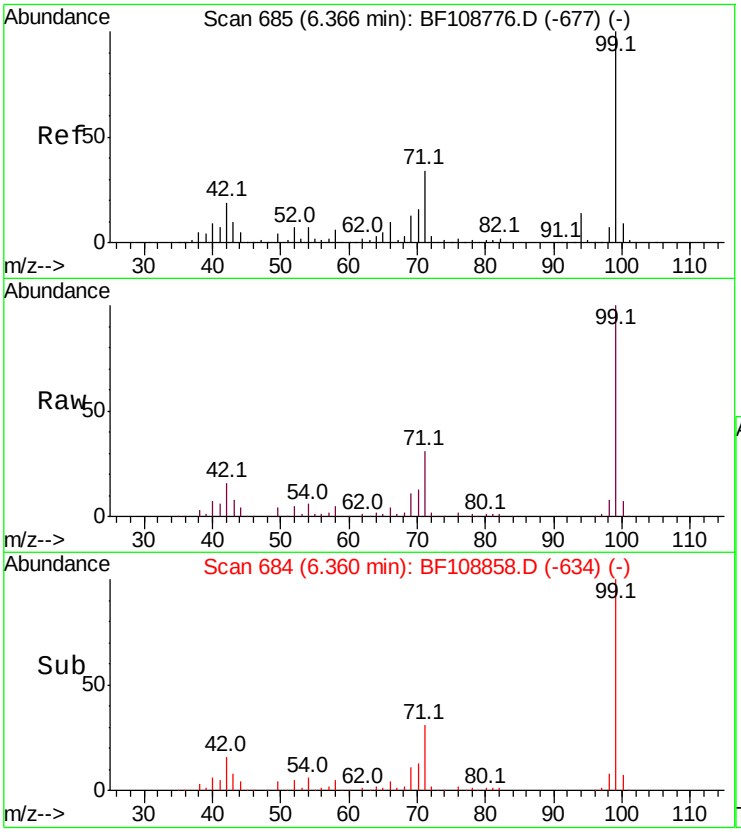


#5
2-Fluorophenol
Concen: 8.239 ng
RT: 5.33 min Scan# 509
Delta R.T. -0.01 min
Lab File: BF108858.D
Acq: 7 Sep 2018 14:11

Tgt Ion:112 Resp: 132344

Ion	Ratio	Lower	Upper
112	100		
64	56.8	47.9	71.9
63	28.5	23.7	35.5

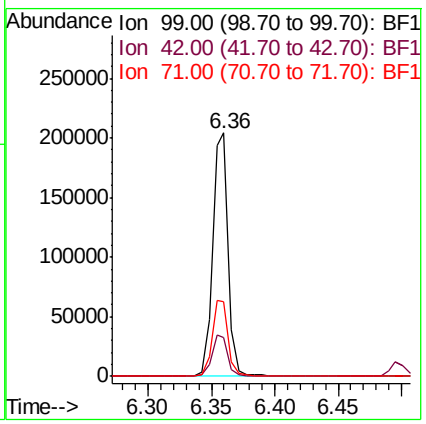




#7
Phenol-d6
Concen: 8.557 ng
RT: 6.36 min Scan# 684
Delta R.T. -0.01 min
Lab File: BF108858.D
Acq: 7 Sep 2018 14:11

Tgt Ion: 99 Resp: 176850

Ion	Ratio	Lower	Upper
99	100		
42	16.1	14.5	21.7
71	30.9	25.4	38.0



Instrument :
BNA_F
ClientSampleId :
OK-03-090618

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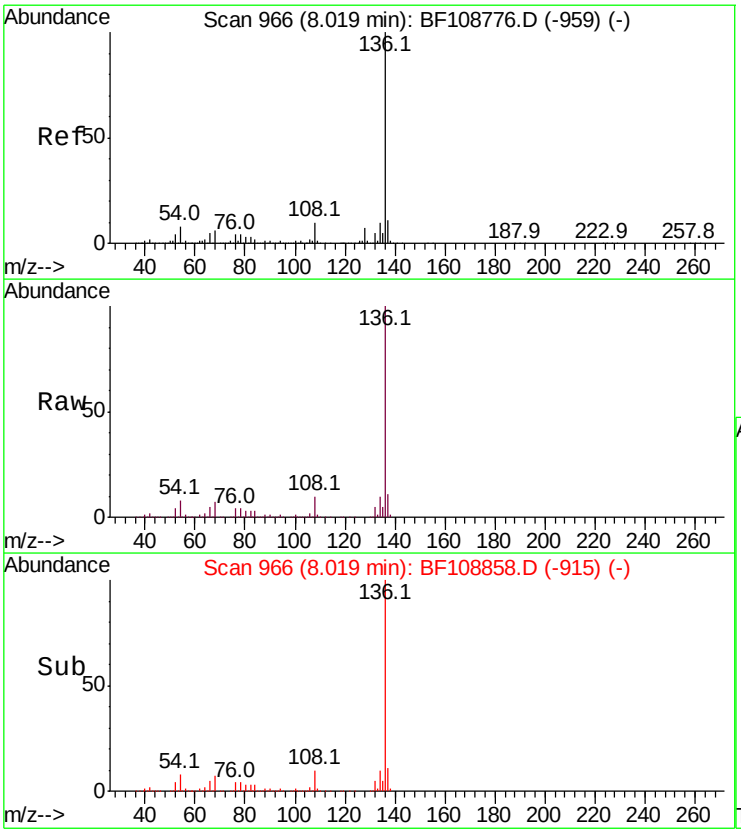
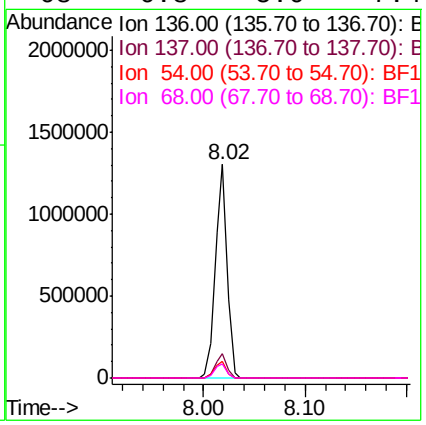
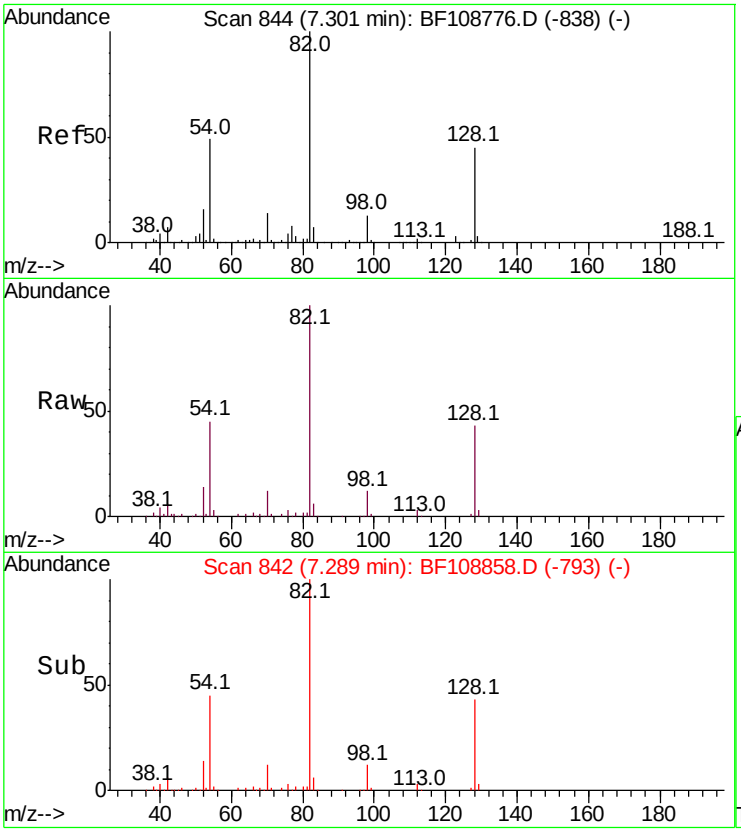


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 966
Delta R.T. -0.00 min
Lab File: BF108858.D
Acq: 7 Sep 2018 14:11

Tgt Ion:136 Resp: 1044452

Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.9	13.3
54	7.6	6.6	9.8
68	6.8	5.0	7.4

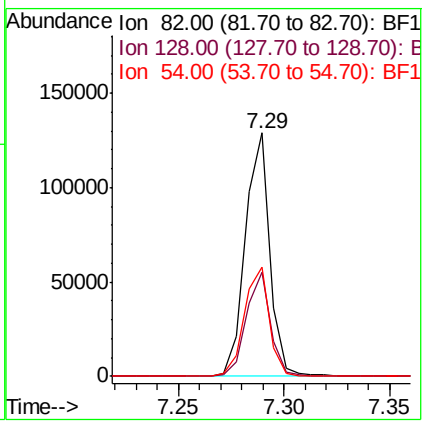




#23
Nitrobenzene-d5
Concen: 6.191 ng
RT: 7.29 min Scan# 842
Delta R.T. -0.01 min
Lab File: BF108858.D
Acq: 7 Sep 2018 14:11

Tgt Ion: 82 Resp: 103324

Ion	Ratio	Lower	Upper
82	100		
128	43.0	36.1	54.1
54	44.9	41.4	62.2



Instrument :
BNA_F
ClientSampleId :
OK-03-090618

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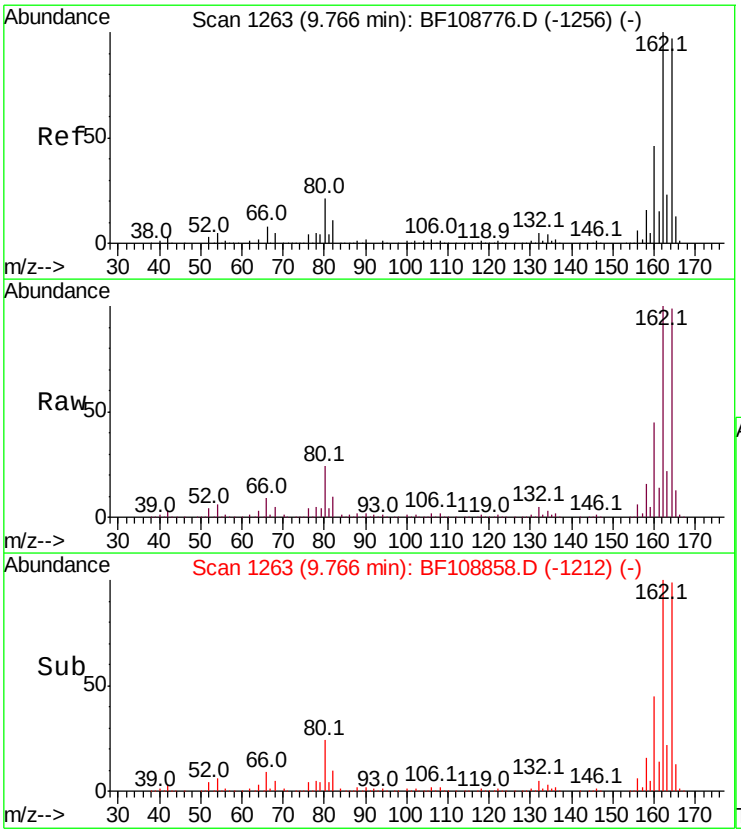
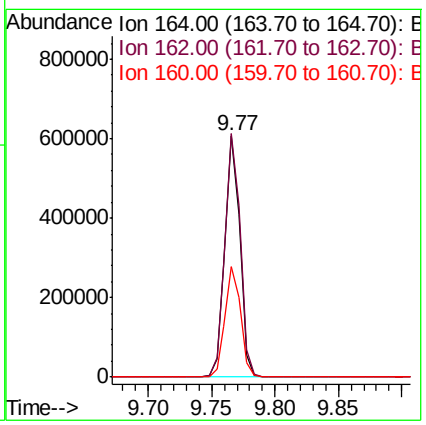
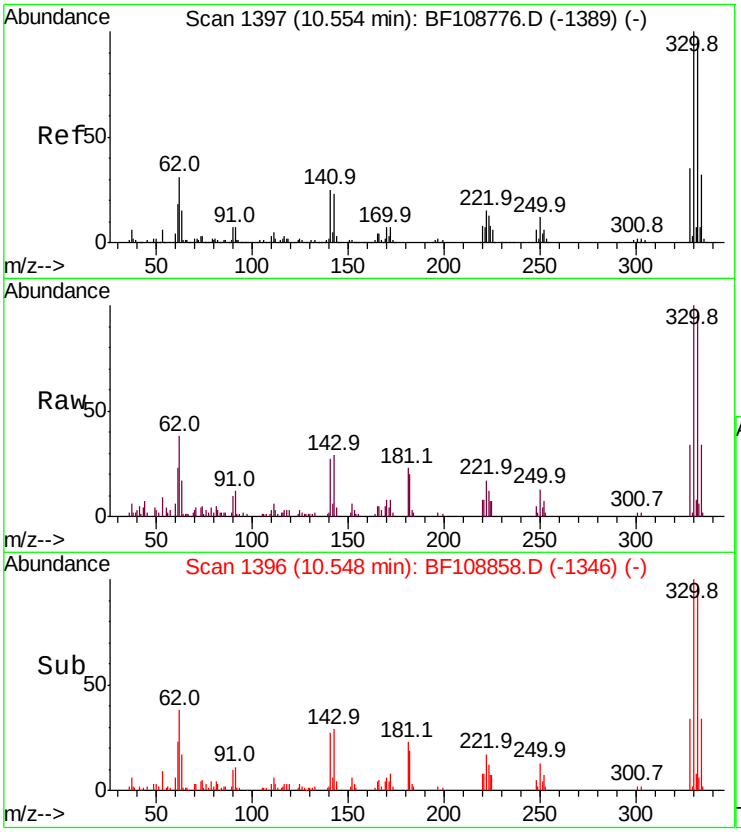


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.77 min Scan# 1263
Delta R.T. -0.00 min
Lab File: BF108858.D
Acq: 7 Sep 2018 14:11

Tgt Ion:164 Resp: 499282

Ion	Ratio	Lower	Upper
164	100		
162	100.9	86.1	129.1
160	45.7	38.3	57.5





#41
2,4,6-Tribromophenol
Concen: 5.965 ng
RT: 10.55 min Scan# 1396
Delta R.T. -0.01 min
Lab File: BF108858.D
Acq: 7 Sep 2018 14:11

Tgt Ion:330 Resp: 28431

Ion	Ratio	Lower	Upper
330	100		
332	99.8	77.0	115.6
141	36.7	29.9	44.9

Instrument :
BNA_F
ClientSampleId :
OK-03-090618

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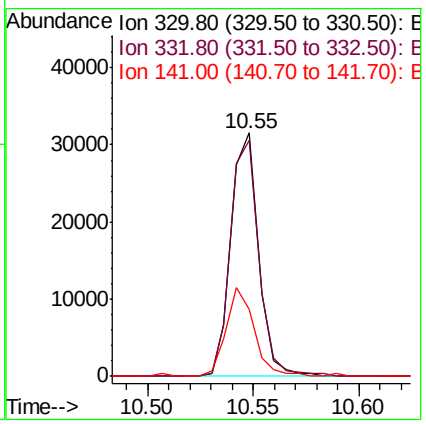
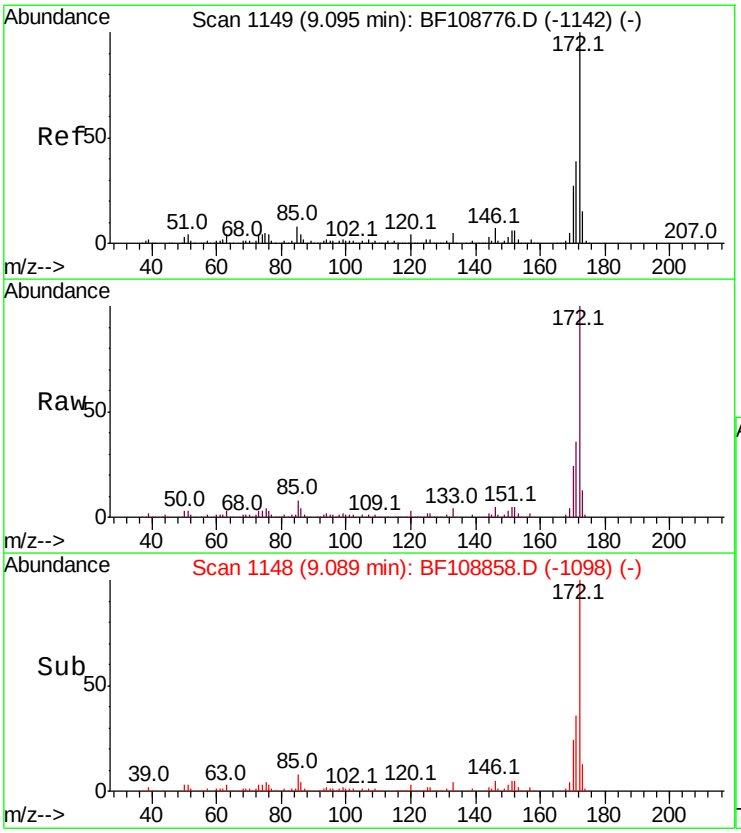
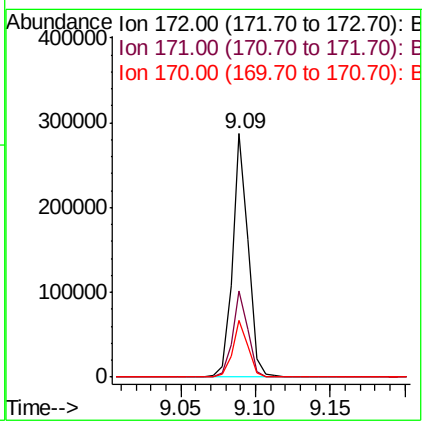


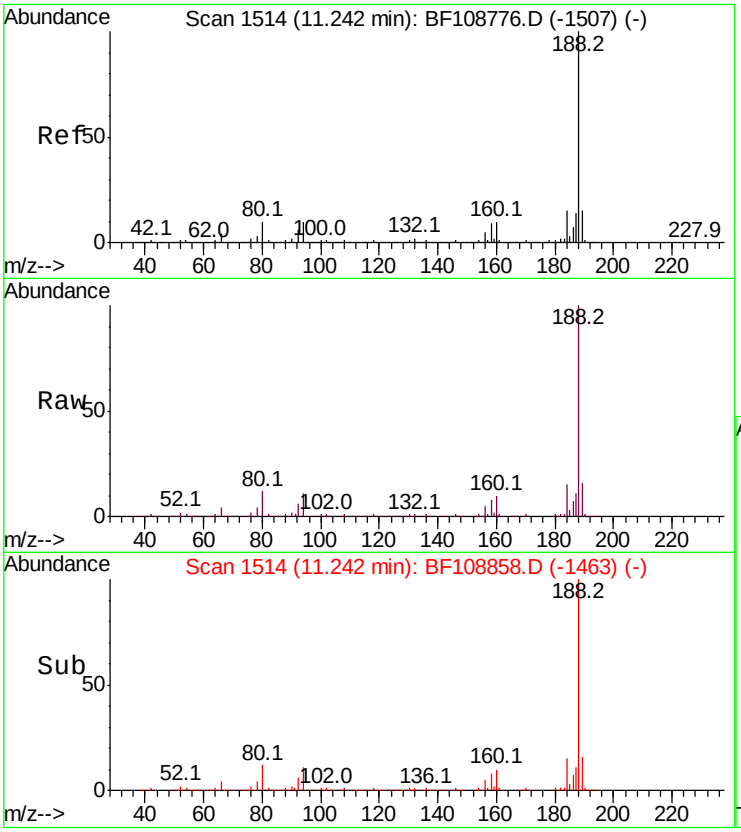


#44
2-Fluorobiphenyl
Concen: 7.241 ng
RT: 9.09 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BF108858.D
Acq: 7 Sep 2018 14:11

Tgt Ion:172 Resp: 211906

Ion	Ratio	Lower	Upper
172	100		
171	35.5	29.7	44.5
170	23.5	19.6	29.4

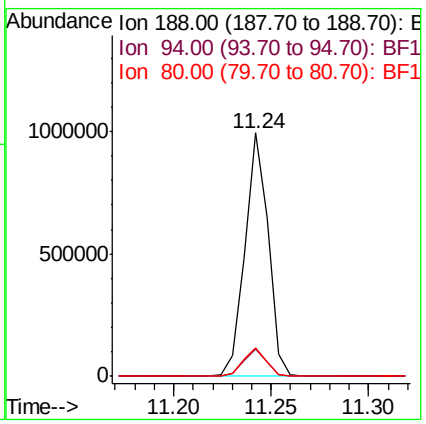




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1514
Delta R.T. -0.00 min
Lab File: BF108858.D
Acq: 7 Sep 2018 14:11

Tgt Ion:188 Resp: 819344

Ion	Ratio	Lower	Upper
188	100		
94	11.1	8.5	12.7
80	11.7	9.2	13.8



Instrument :
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ClientSampleId :
OK-03-090618

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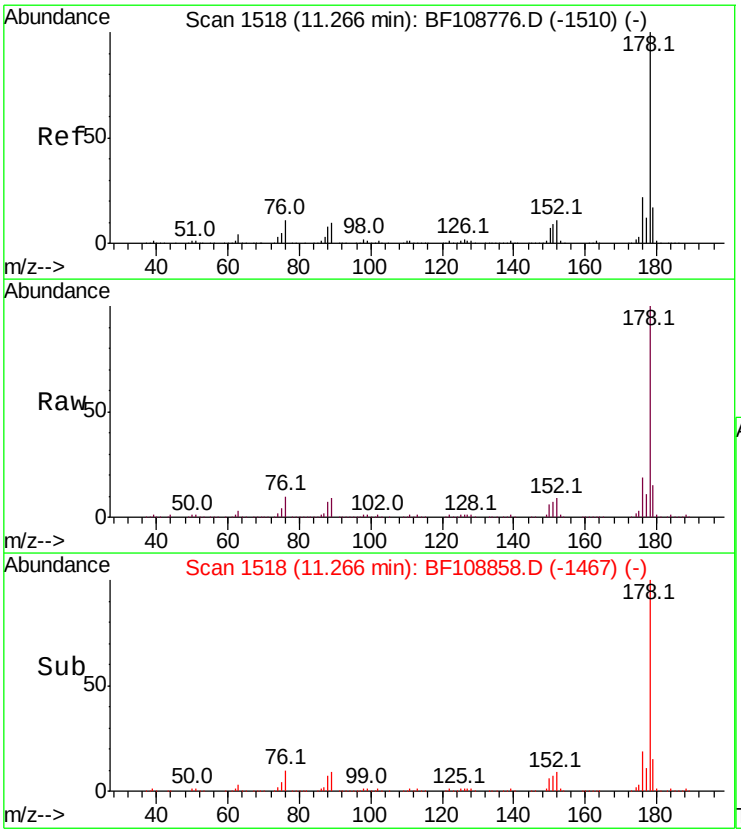
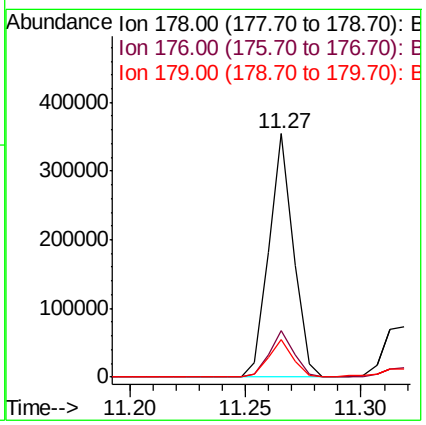
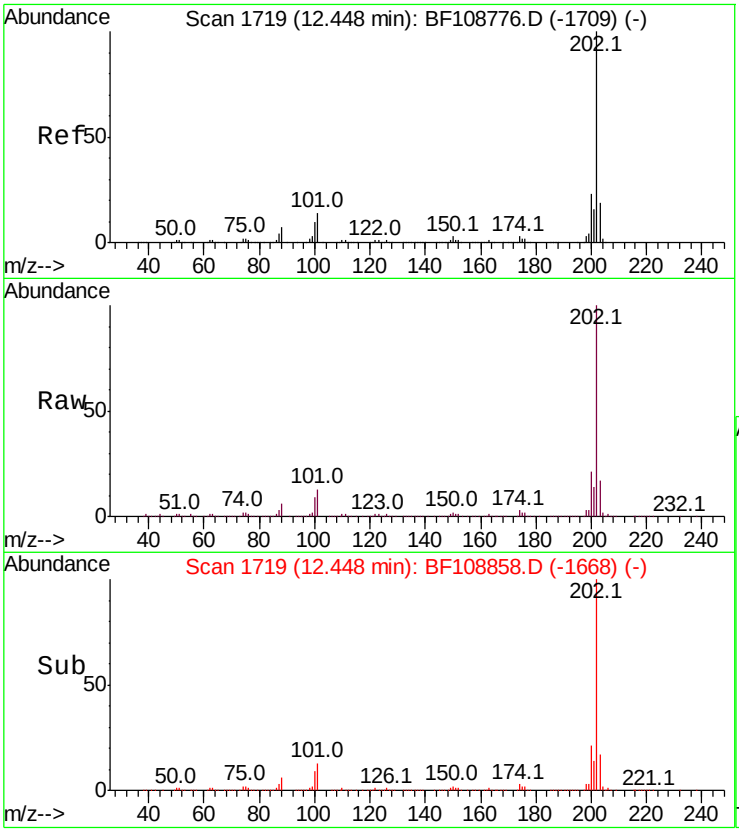


#70
Phenanthrene
Concen: 6.722 ng
RT: 11.27 min Scan# 1518
Delta R.T. -0.00 min
Lab File: BF108858.D
Acq: 7 Sep 2018 14:11

Tgt Ion:178 Resp: 263009

Ion	Ratio	Lower	Upper
178	100		
176	19.0	15.8	23.8
179	15.5	13.0	19.6

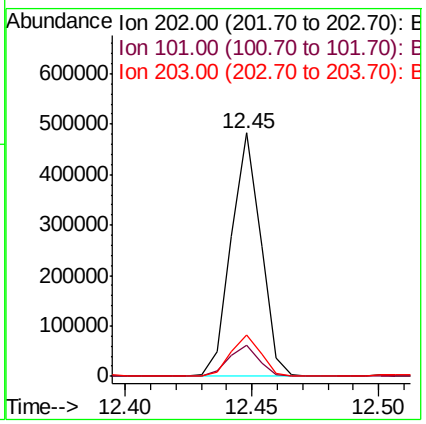




#74
Fluoranthene
Concen: 10.091 ng
RT: 12.45 min Scan# 1719
Delta R.T. -0.00 min
Lab File: BF108858.D
Acq: 7 Sep 2018 14:11

Tgt Ion:202 Resp: 390915

Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	34.1
203	17.2	0.0	38.1



Instrument :
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ClientSampleId :
OK-03-090618

Manual Integrations APPROVED
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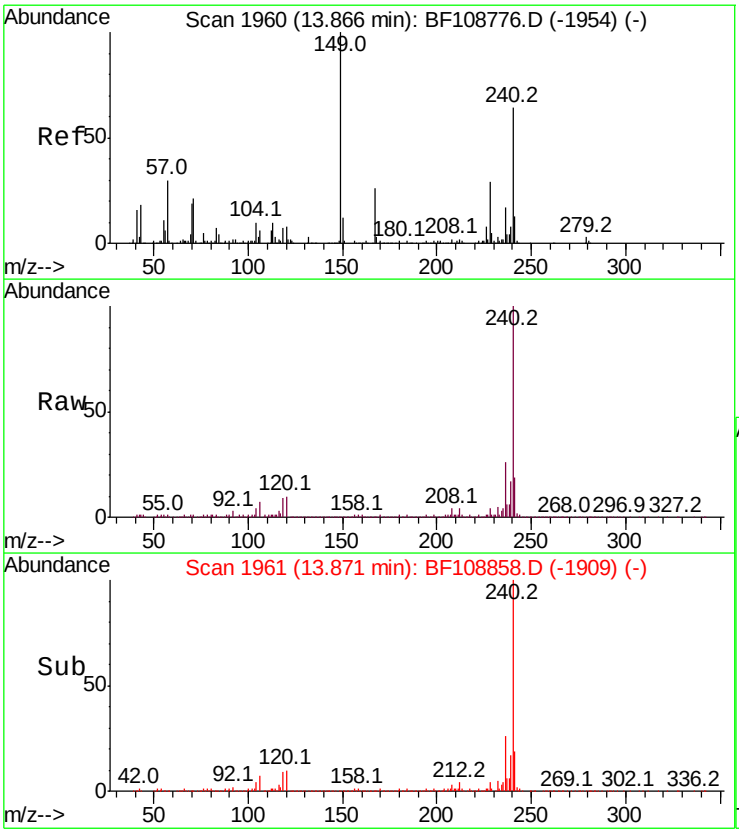
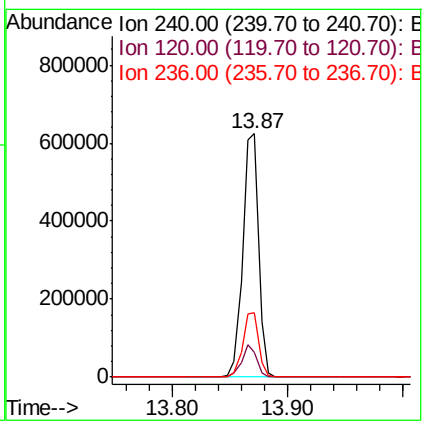
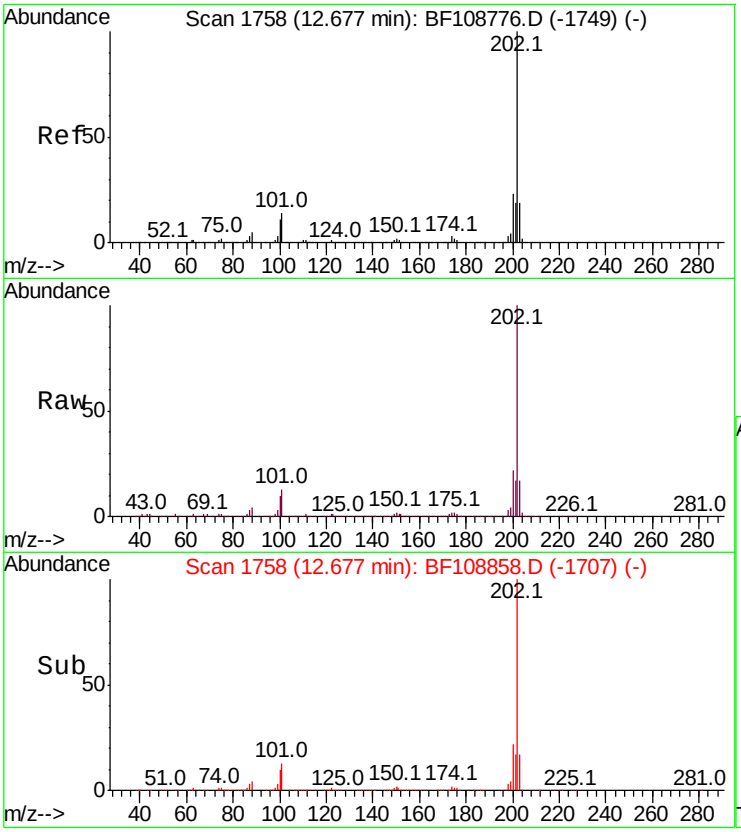


#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 1961
Delta R.T. 0.01 min
Lab File: BF108858.D
Acq: 7 Sep 2018 14:11

Tgt Ion:240 Resp: 591933

Ion	Ratio	Lower	Upper
240	100		
120	10.1	9.5	14.3
236	26.2	20.7	31.1

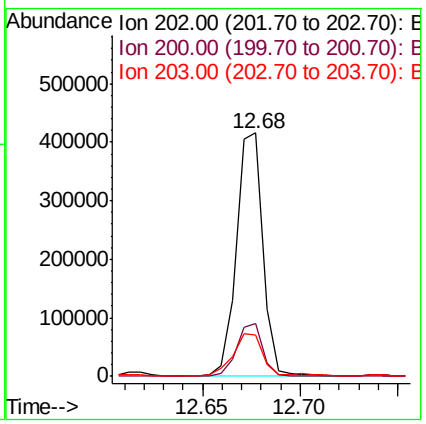




#77
Pyrene
Concen: 8.514 ng
RT: 12.68 min Scan# 1758
Delta R.T. -0.00 min
Lab File: BF108858.D
Acq: 7 Sep 2018 14:11

Tgt Ion:202 Resp: 387815

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.4	26.2
203	17.1	14.3	21.5



Instrument :
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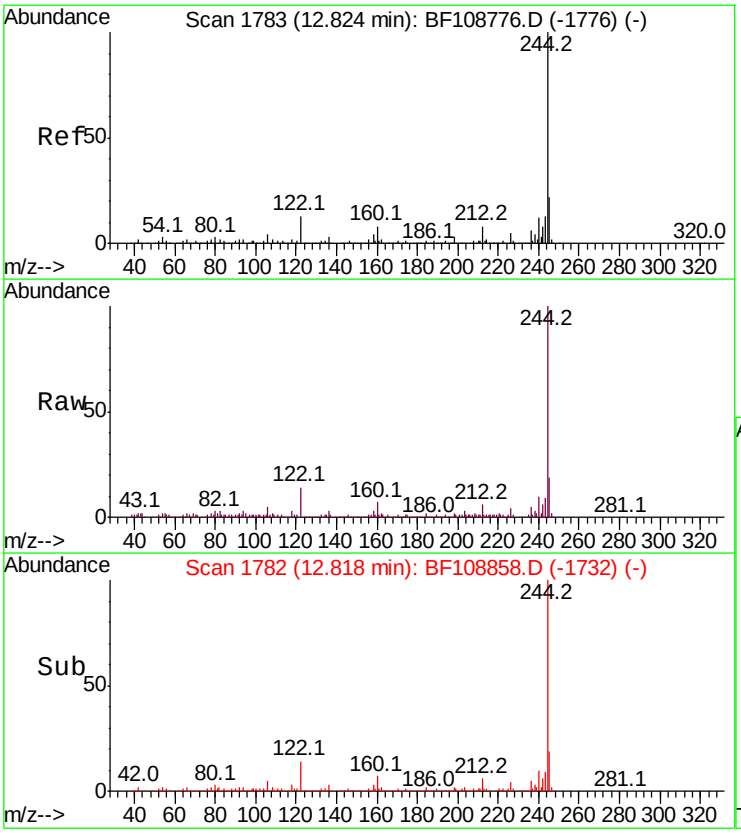
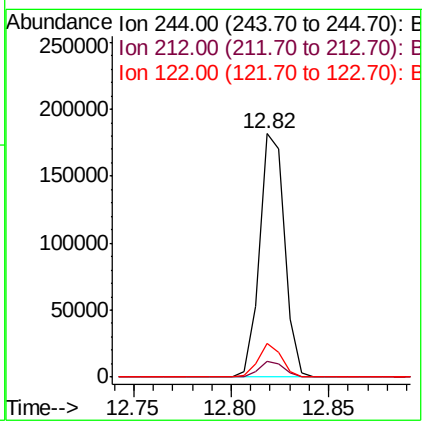
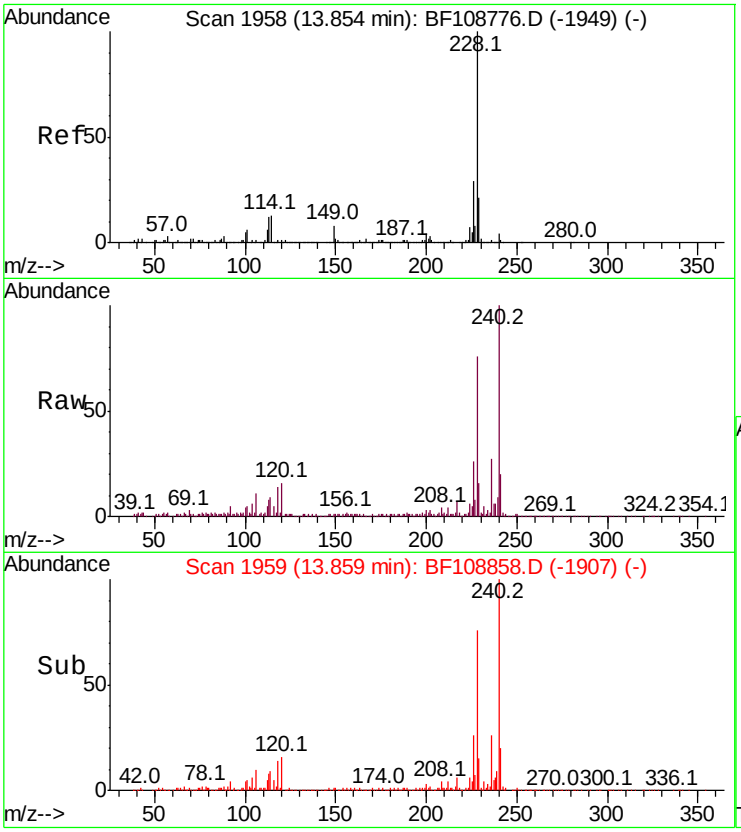


#78
Terphenyl-d14
Concen: 6.357 ng
RT: 12.82 min Scan# 1782
Delta R.T. -0.01 min
Lab File: BF108858.D
Acq: 7 Sep 2018 14:11

Tgt Ion:244 Resp: 161360

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.0
122	13.7	11.0	16.4

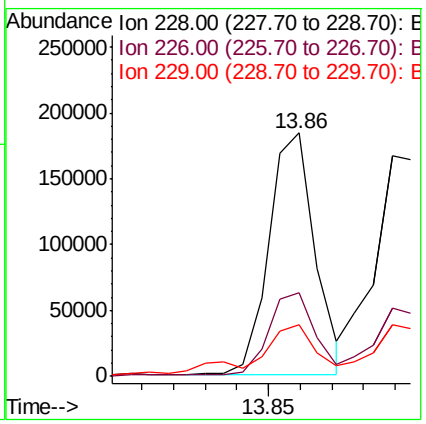




#80
Benzo(a)anthracene
Concen: 4.908 ng
RT: 13.86 min Scan# 1959
Delta R.T. 0.01 min
Lab File: BF108858.D
Acq: 7 Sep 2018 14:11

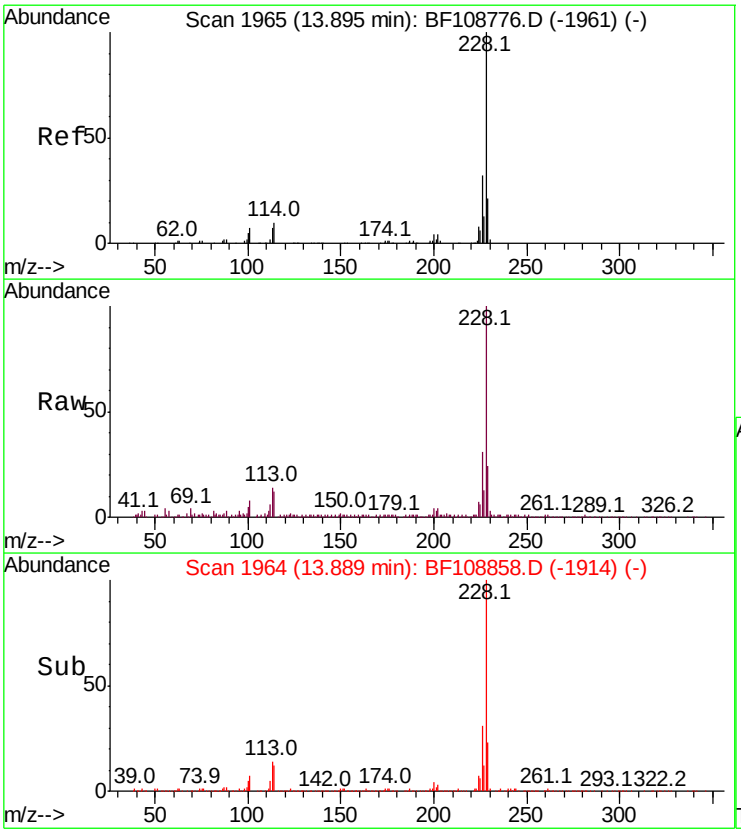
Tgt Ion:228 Resp: 186204

Ion	Ratio	Lower	Upper
228	100		
226	34.3	22.6	33.8#
229	21.0	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
OK-03-090618

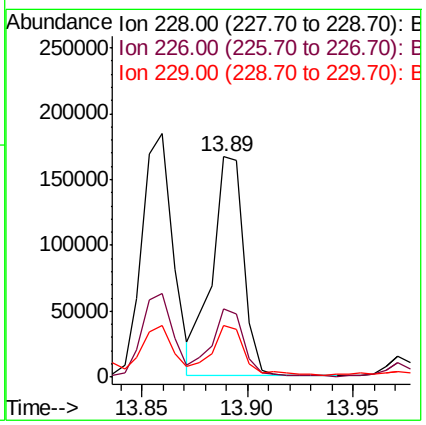
Manual Integrations APPROVED
Sohil
9/10/2018 10:39:18 AM

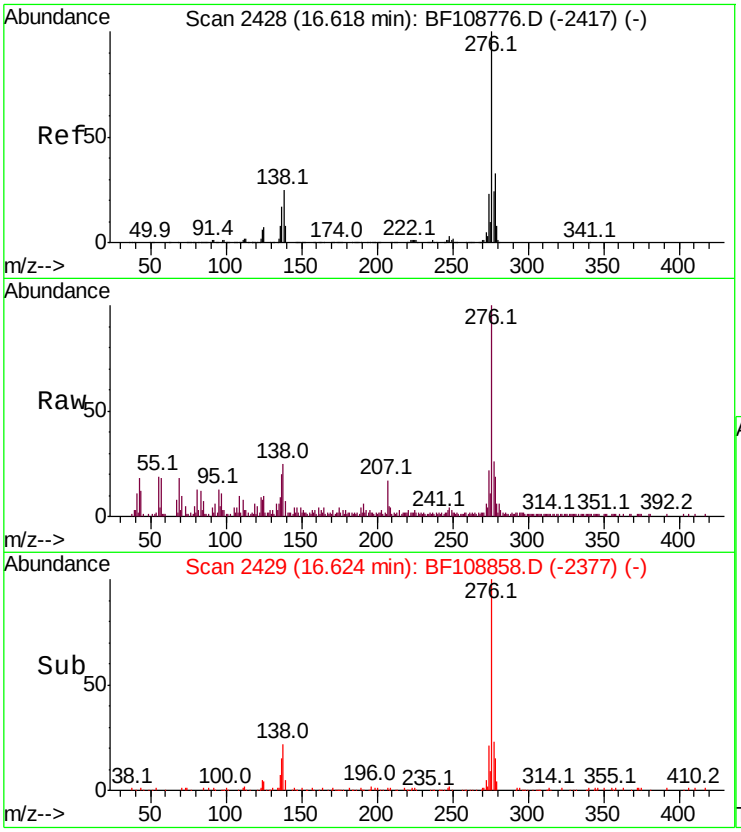


#82
Chrysene
Concen: 4.739 ng
RT: 13.89 min Scan# 1964
Delta R.T. -0.01 min
Lab File: BF108858.D
Acq: 7 Sep 2018 14:11

Tgt Ion:228 Resp: 174056

Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.6
229	23.7	16.2	24.4

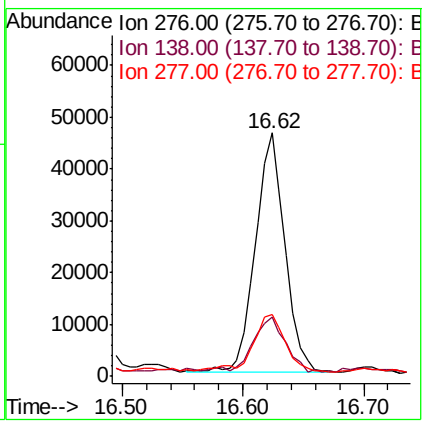




#85
Indeno(1,2,3-cd)pyrene
Concen: 2.435 ng
RT: 16.62 min Scan# 2429
Delta R.T. 0.01 min
Lab File: BF108858.D
Acq: 7 Sep 2018 14:11

Tgt Ion:276 Resp: 79140

Ion	Ratio	Lower	Upper
276	100		
138	26.1	25.0	37.6
277	26.9	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
OK-03-090618

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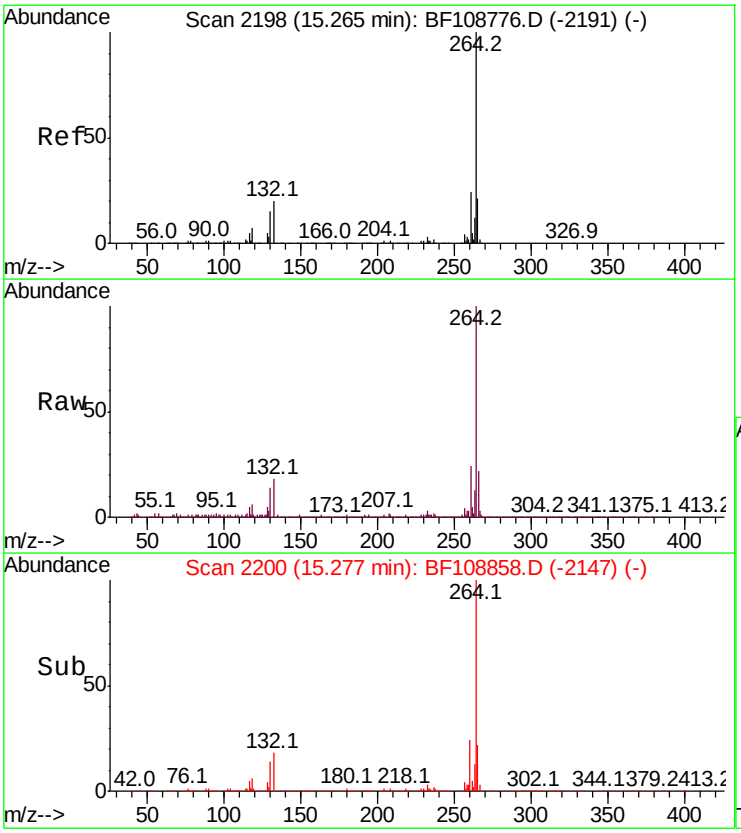
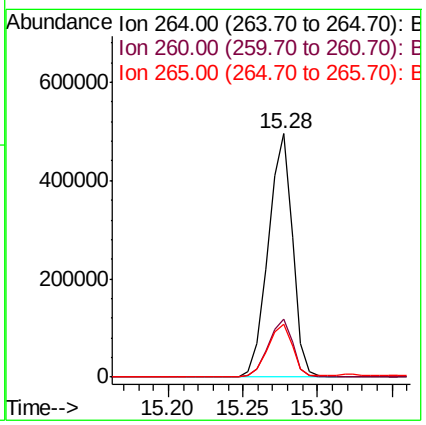
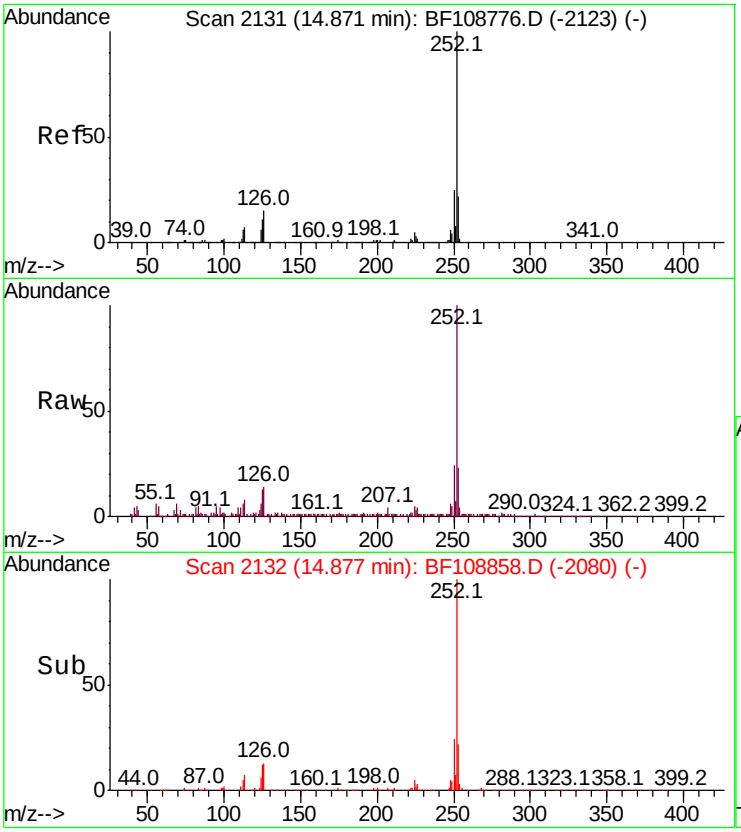


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2200
Delta R.T. 0.01 min
Lab File: BF108858.D
Acq: 7 Sep 2018 14:11

Tgt Ion:264 Resp: 556008

Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.7	17.5	26.3

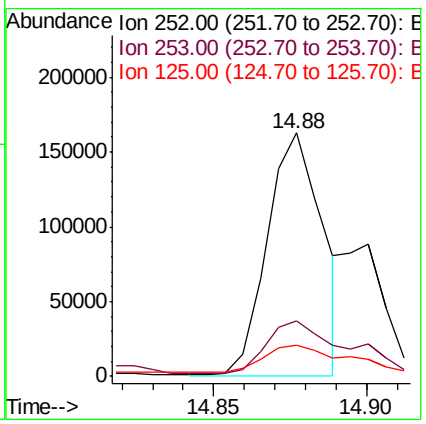




#87
Benzo(b)fluoranthene
Concen: 6.791 ng m
RT: 14.88 min Scan# 2132
Delta R.T. 0.01 min
Lab File: BF108858.D
Acq: 7 Sep 2018 14:11

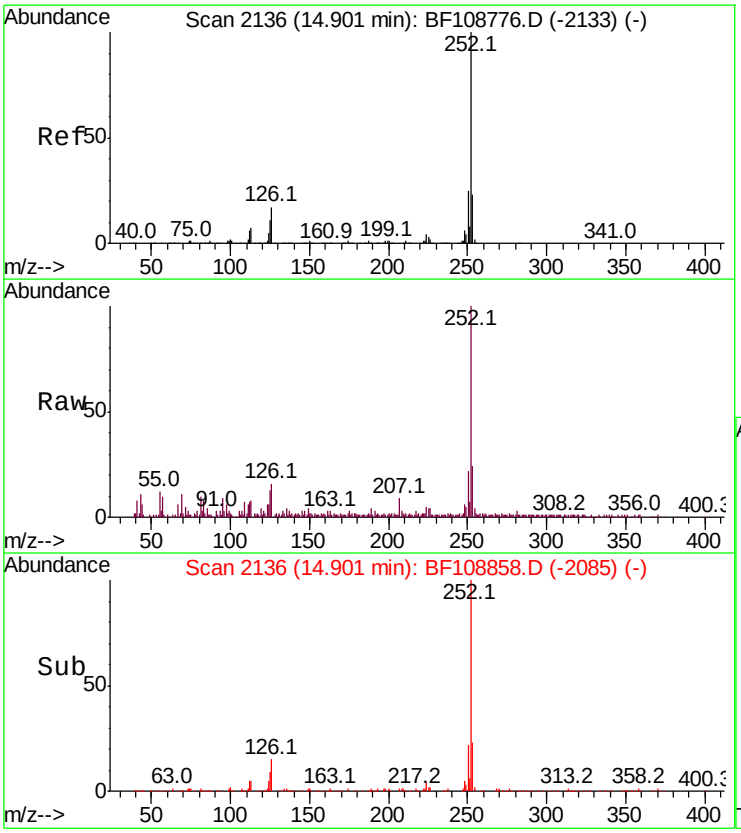
Tgt Ion:252 Resp: 205309

Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.0	25.6
125	13.0	9.0	13.6



Instrument :
BNA_F
ClientSampleId :
OK-03-090618

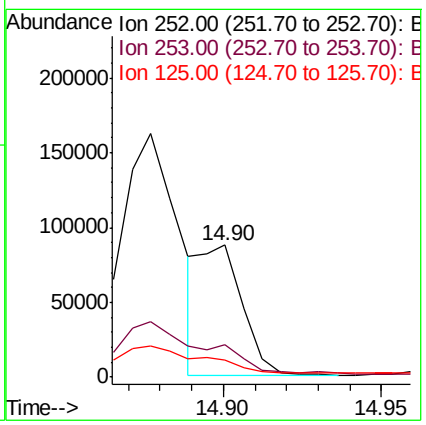
Manual Integrations APPROVED
Sohil
9/10/2018 10:39:18 AM

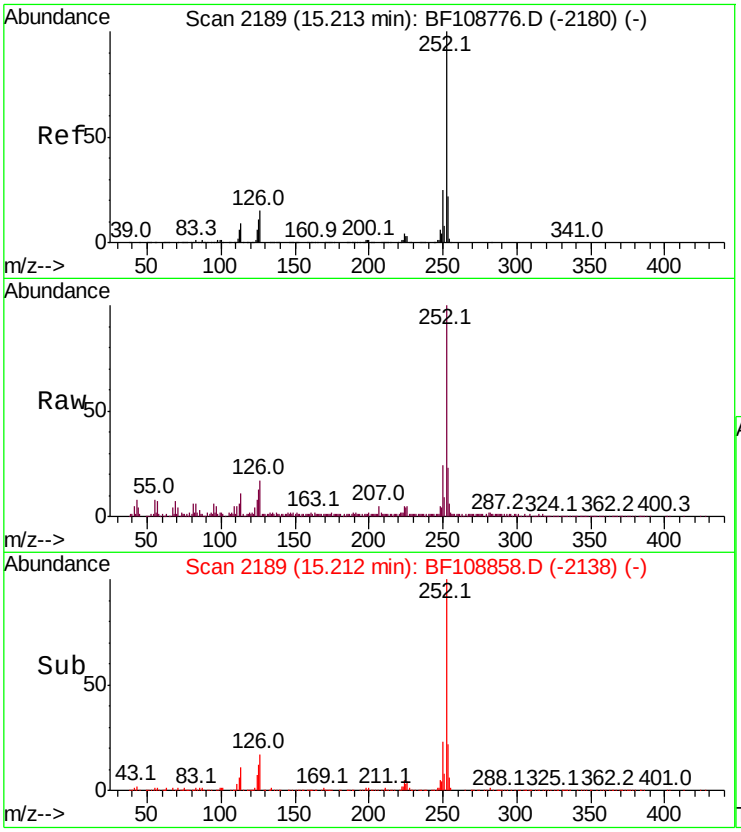


#88
Benzo(k)fluoranthene
Concen: 2.896 ng m
RT: 14.90 min Scan# 2136
Delta R.T. -0.00 min
Lab File: BF108858.D
Acq: 7 Sep 2018 14:11

Tgt Ion:252 Resp: 80644

Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.9	26.9
125	12.8	10.2	15.2

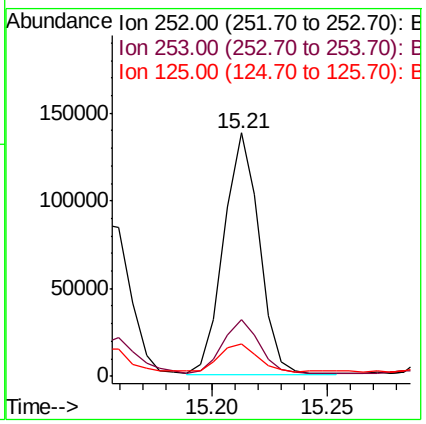




#89
Benzo(a)pyrene
Concen: 5.390 ng
RT: 15.21 min Scan# 2189
Delta R.T. -0.00 min
Lab File: BF108858.D
Acq: 7 Sep 2018 14:11

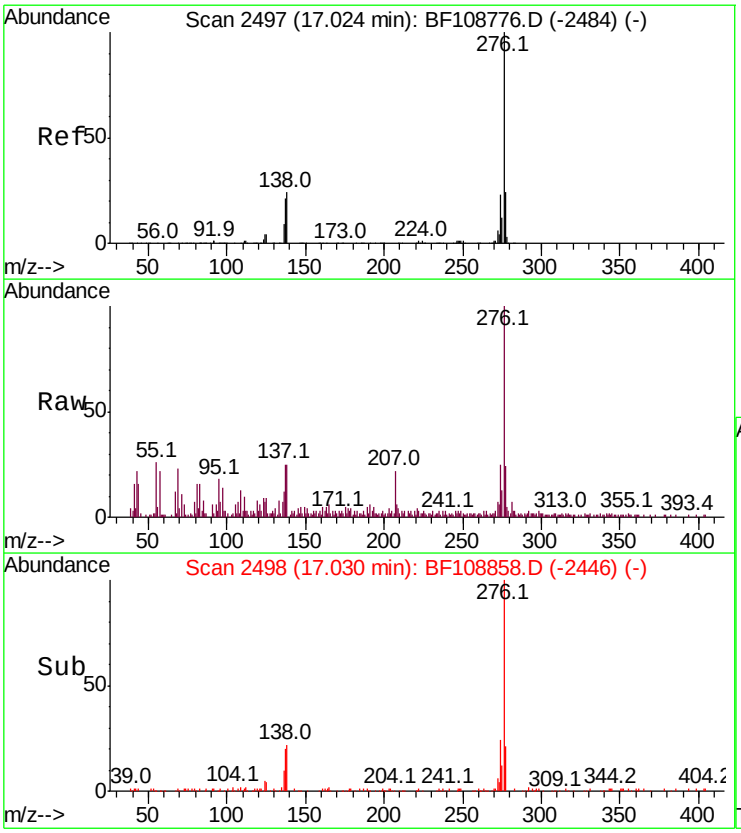
Tgt Ion:252 Resp: 147031

Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.1	25.7
125	13.4	9.8	14.6



Instrument :
BNA_F
ClientSampleId :
OK-03-090618

Manual Integrations APPROVED
Sohil
9/10/2018 10:39:18 AM



#91
Benzo(g,h,i)perylene
Concen: 3.009 ng
RT: 17.03 min Scan# 2498
Delta R.T. 0.01 min
Lab File: BF108858.D
Acq: 7 Sep 2018 14:11

Tgt Ion:276 Resp: 72417

Ion	Ratio	Lower	Upper
276	100		
277	24.1	17.9	26.9
138	25.0	21.8	32.8