Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082818\
Data File : BF108561.D
Acq On : 28 Aug 2018 17:51
Operator : JU/SJ
Sample : J4276-05 10X
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OK-02-082718

Manual Integrations APPROVED
Sohil
8/29/2018 3:11:31 PM

Quant Time: Aug 29 10:38:16 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF080818.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 22 11:01:45 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	111636	20.00	ng		0.00
21) Naphthalene-d8	8.28	136	434293	20.00	ng		0.00
38) Acenaphthene-d10	10.04	164	200142	20.00	ng		-0.01
63) Phenanthrene-d10	11.54	188	333321	20.00	ng		0.00
75) Chrysene-d12	14.19	240	279463	20.00	ng		0.00
86) Perylene-d12	15.75	264	231862	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.66	112	37065	6.01	ng		0.03
7) Phenol-d6	6.64	99	61145	7.46	ng		0.01
23) Nitrobenzene-d5	7.57	82	38588	4.96	ng		0.00
41) 2,4,6-Tribromophenol	10.84	330	12147	6.08	ng		-0.01
44) 2-Fluorobiphenyl	9.35	172	84118	6.75	ng		-0.01
78) Terphenyl-d14	13.12	244	67350	6.13	ng		0.00
Target Compounds							Qvalue
48) Acenaphthylene	9.91	152	40504	2.197	ng		98
57) Fluorene	10.59	166	54164	4.182	ng		99
70) Phenanthrene	11.57	178	283777	18.050	ng		99
71) Anthracene	11.62	178	82480	5.119	ng		97
74) Fluoranthene	12.76	202	322147	18.775	ng		96
77) Pyrene	12.99	202	329637	18.631	ng		99
80) Benzo(a)anthracene	14.18	228	154774	9.650	ng		98
82) Chrysene	14.22	228	146691	9.976	ng		97
85) Indeno(1,2,3-cd)pyrene	17.37	276	54562	4.283	ng	#	87
87) Benzo(b)fluoranthene	15.29	252	157549m	11.372	ng		
88) Benzo(k)fluoranthene	15.31	252	48320m	3.794	ng		
89) Benzo(a)pyrene	15.69	252	117175m	9.445	ng		
91) Benzo(g,h,i)perylene	17.87	276	56473	5.587	ng	#	89

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

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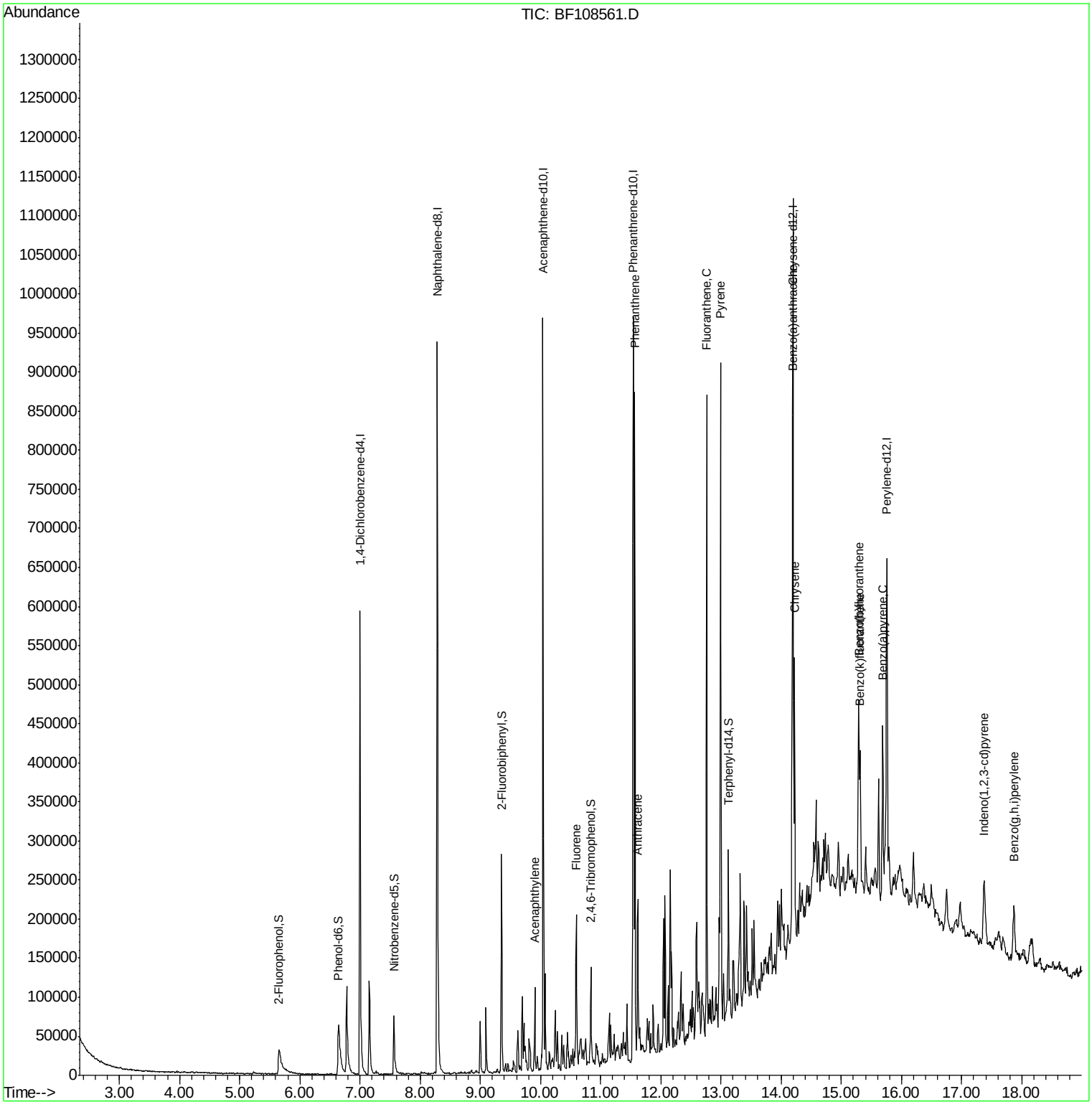
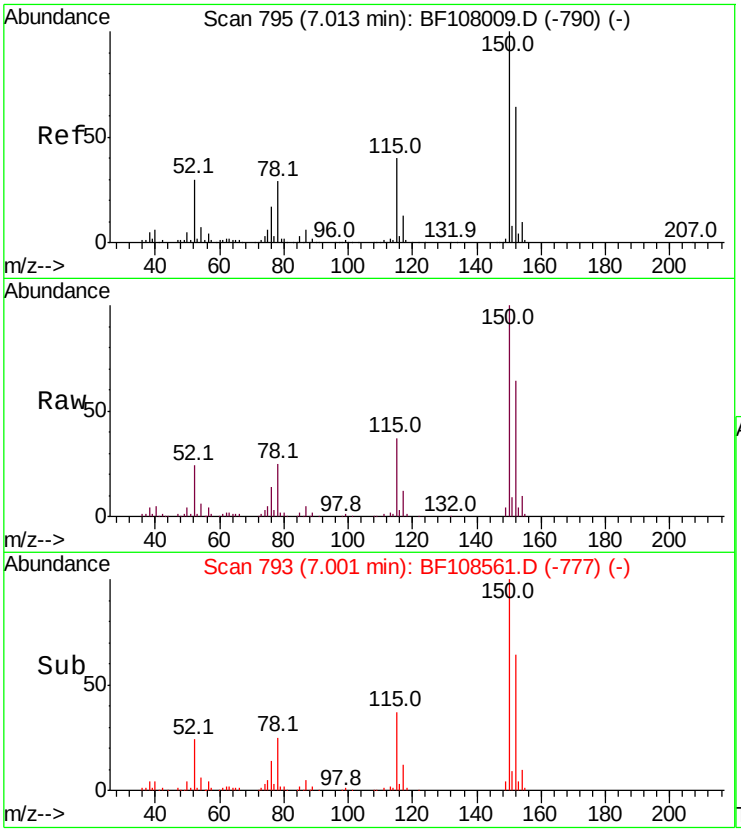
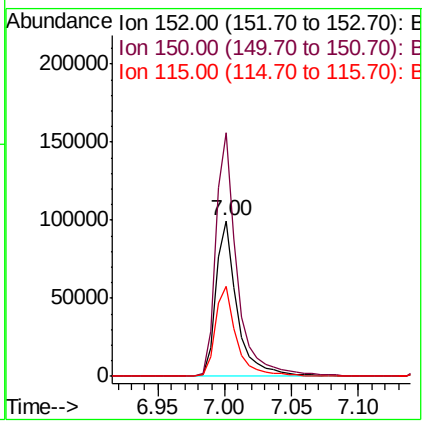




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108561.D
Acq: 28 Aug 2018 17:51

Tgt Ion:152 Resp: 111636

Ion	Ratio	Lower	Upper
152	100		
150	156.8	124.6	186.8
115	57.6	50.1	75.1



Instrument :
BNA_F
ClientSampleId :
OK-02-082718

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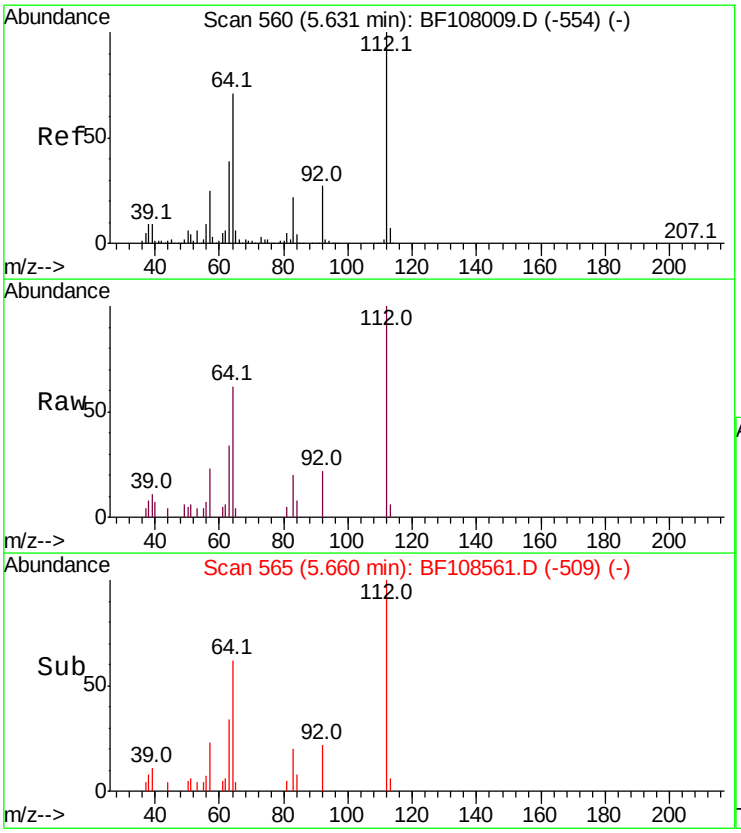
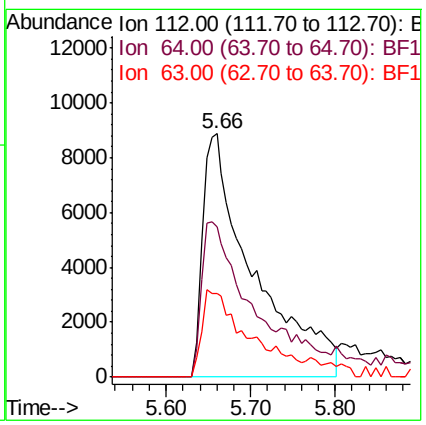
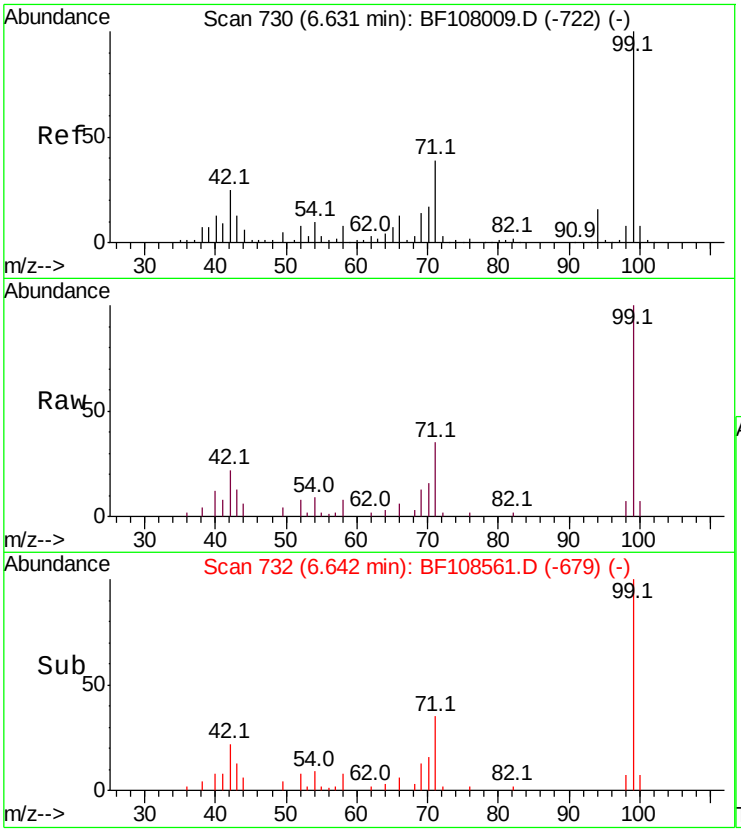


#5
2-Fluorophenol
Concen: 6.011 ng
RT: 5.66 min Scan# 565
Delta R.T. 0.03 min
Lab File: BF108561.D
Acq: 28 Aug 2018 17:51

Tgt Ion:112 Resp: 37065

Ion	Ratio	Lower	Upper
112	100		
64	61.8	47.9	71.9
63	34.5	23.7	35.5





#7
Phenol-d6
Concen: 7.462 ng
RT: 6.64 min Scan# 732
Delta R.T. 0.01 min
Lab File: BF108561.D
Acq: 28 Aug 2018 17:51

Tgt Ion: 99 Resp: 61145

Ion	Ratio	Lower	Upper
99	100		
42	22.0	14.5	21.7#
71	35.1	25.4	38.0

Instrument :
BNA_F
ClientSampleId :
OK-02-082718

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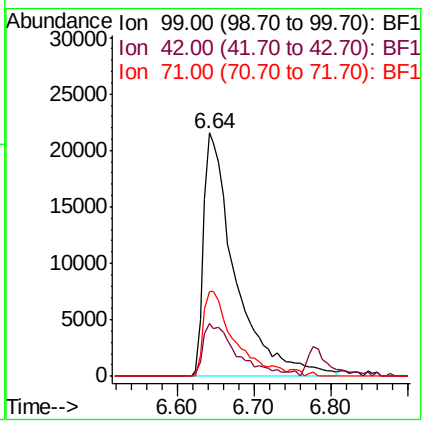
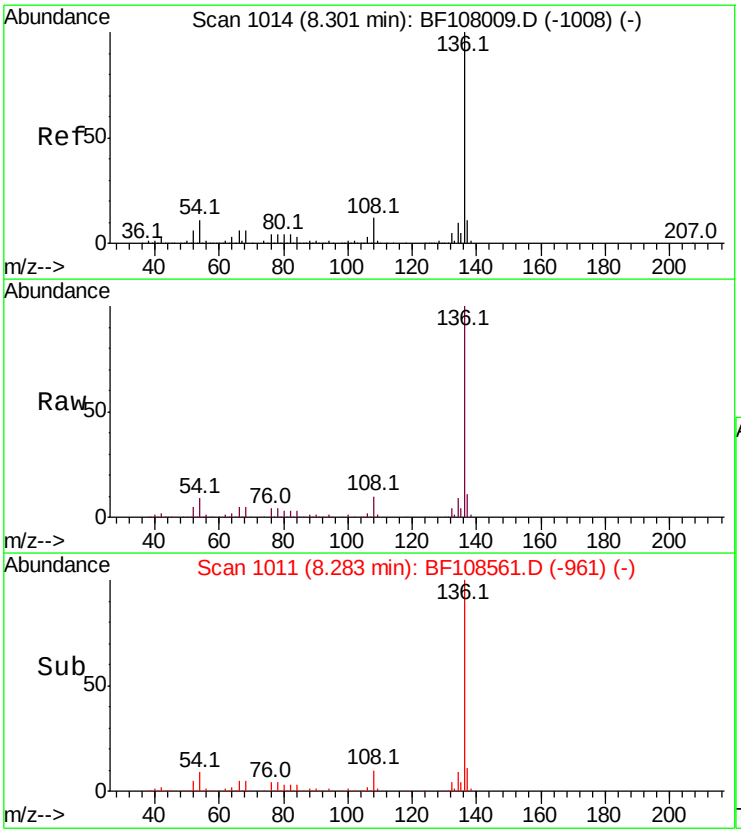
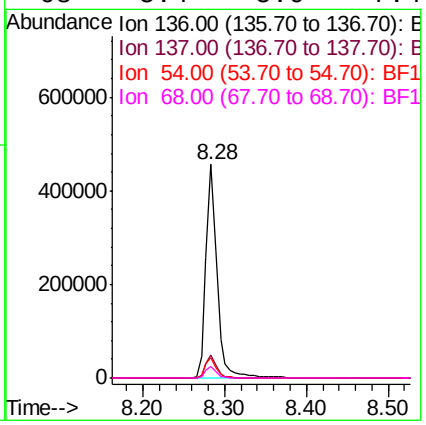


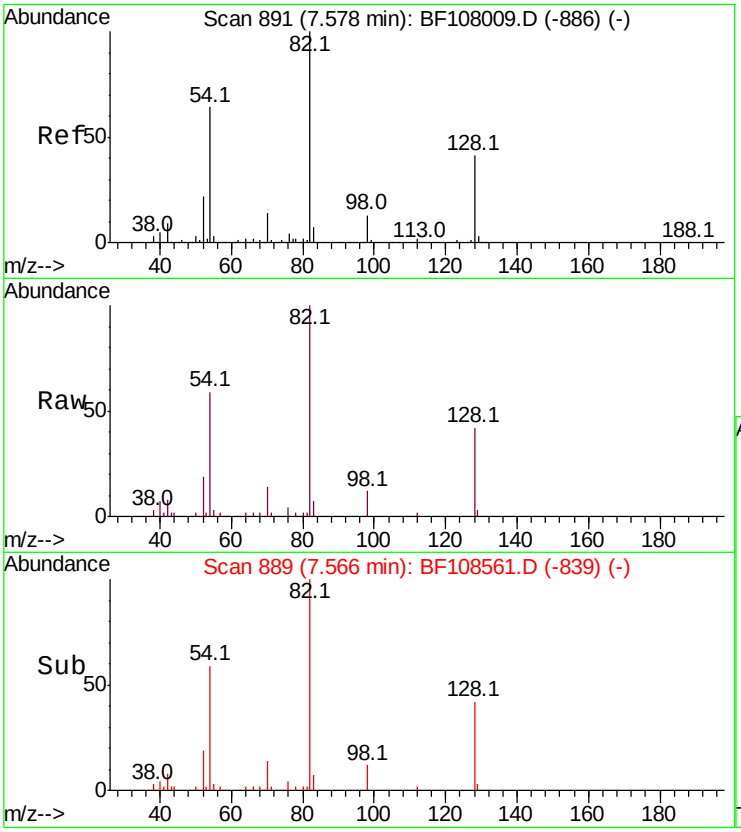


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.28 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF108561.D
Acq: 28 Aug 2018 17:51

Tgt Ion:136 Resp: 434293

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.4	6.6	9.8
68	5.4	5.0	7.4

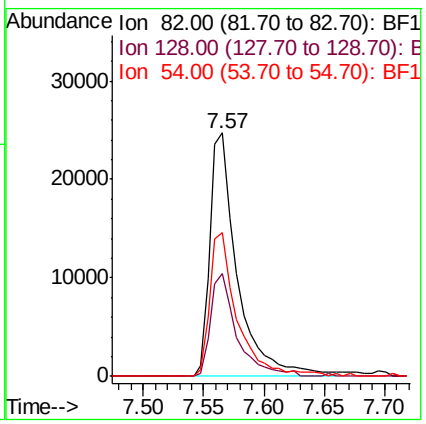




#23
Nitrobenzene-d5
Concen: 4.958 ng
RT: 7.57 min Scan# 889
Delta R.T. -0.01 min
Lab File: BF108561.D
Acq: 28 Aug 2018 17:51

Tgt Ion: 82 Resp: 38588

Ion	Ratio	Lower	Upper
82	100		
128	42.1	36.1	54.1
54	59.2	41.4	62.2



Instrument :
BNA_F
ClientSampleId :
OK-02-082718

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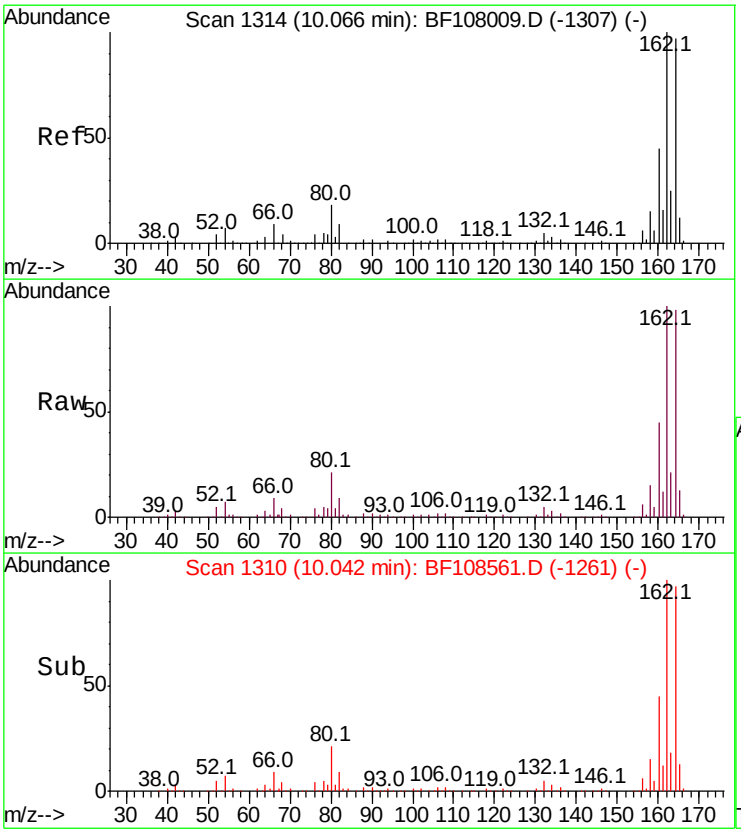
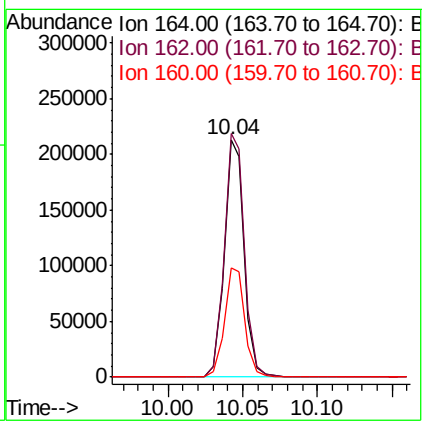
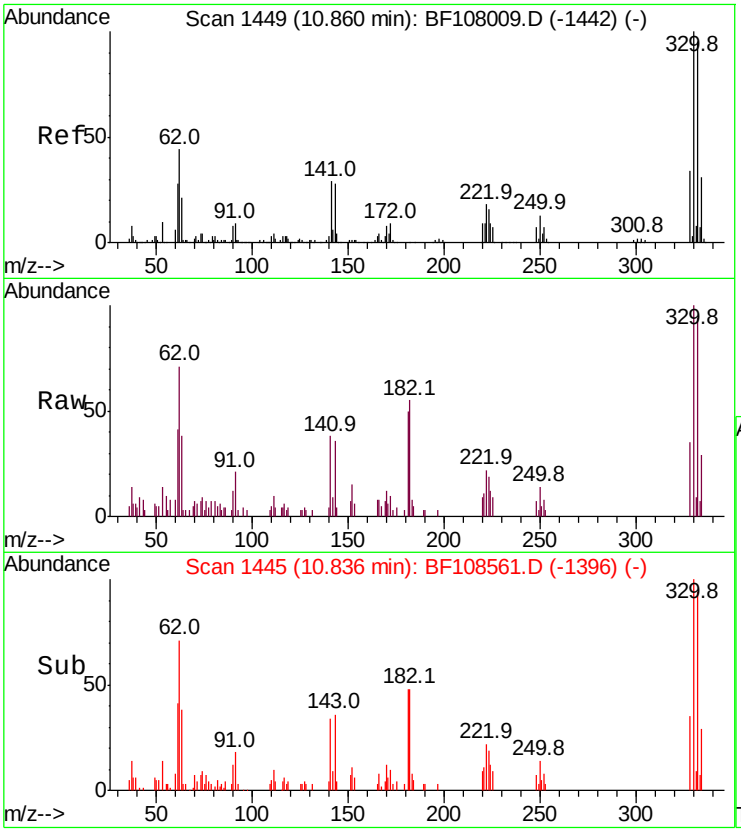


#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.04 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF108561.D
Acq: 28 Aug 2018 17:51

Tgt Ion:164 Resp: 200142

Ion	Ratio	Lower	Upper
164	100		
162	102.4	86.1	129.1
160	46.1	38.3	57.5

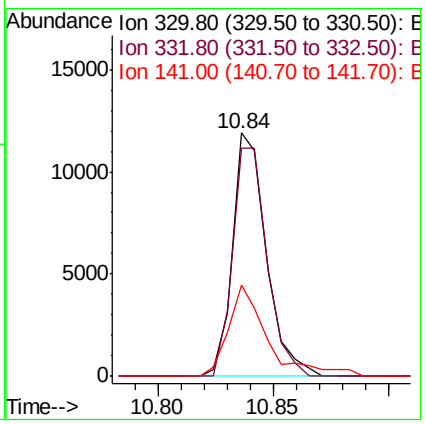




#41
2,4,6-Tribromophenol
Concen: 6.085 ng
RT: 10.84 min Scan# 1445
Delta R.T. -0.01 min
Lab File: BF108561.D
Acq: 28 Aug 2018 17:51

Tgt Ion:330 Resp: 12147

Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.0	115.6
141	43.2	29.9	44.9



Instrument :
BNA_F
ClientSampleId :
OK-02-082718

Manual Integrations APPROVED
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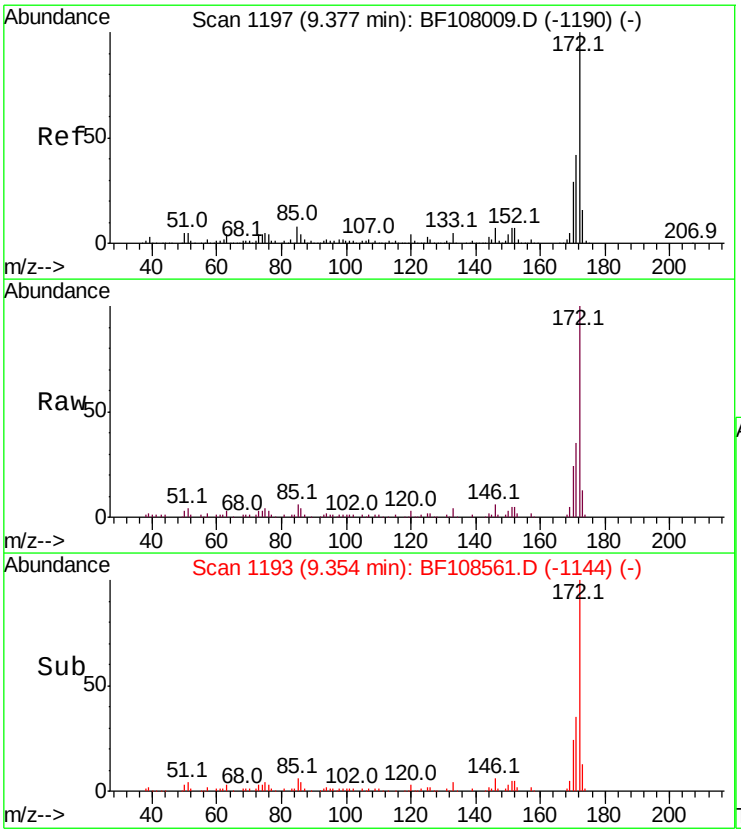
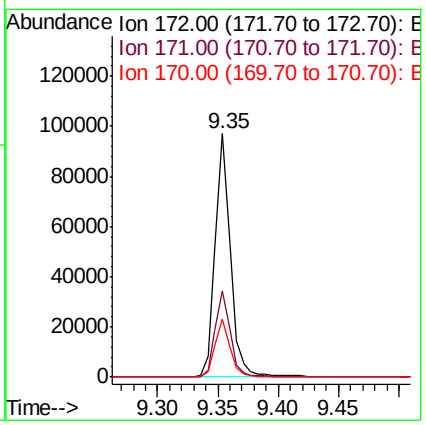
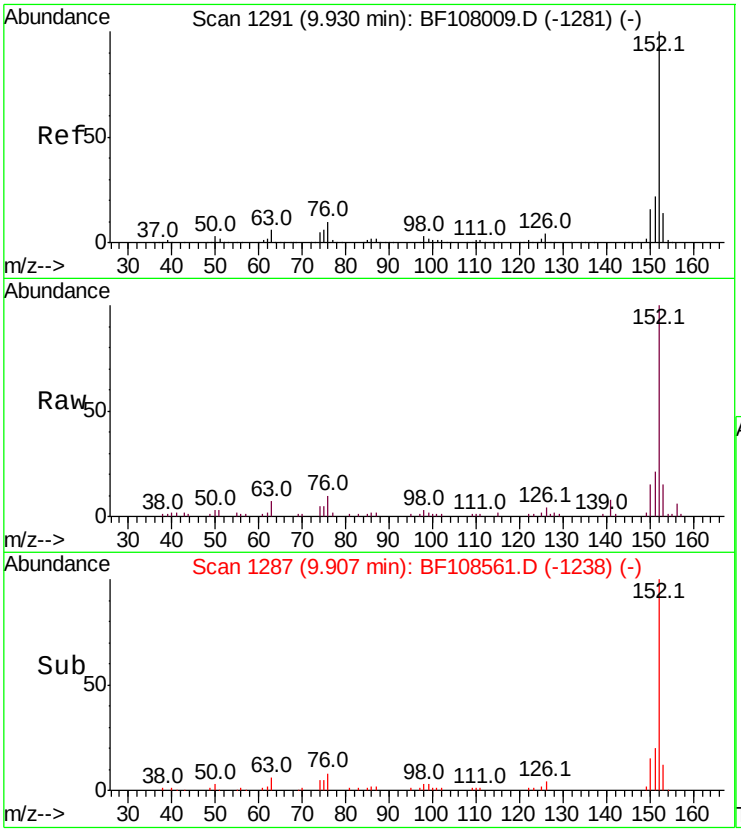


#44
2-Fluorobiphenyl
Concen: 6.748 ng
RT: 9.35 min Scan# 1193
Delta R.T. -0.01 min
Lab File: BF108561.D
Acq: 28 Aug 2018 17:51

Tgt Ion:172 Resp: 84118

Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	23.8	19.6	29.4

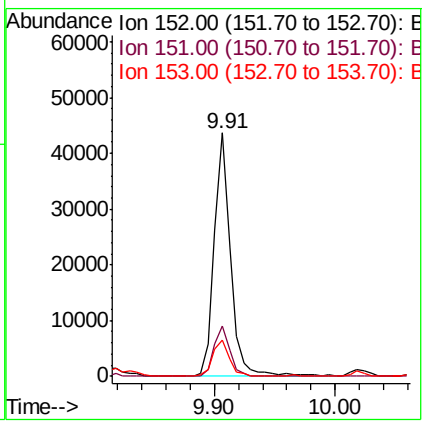




#48
Acenaphthylene
Concen: 2.197 ng
RT: 9.91 min Scan# 1287
Delta R.T. -0.01 min
Lab File: BF108561.D
Acq: 28 Aug 2018 17:51

Tgt Ion:152 Resp: 40504

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.3	24.5
153	14.8	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
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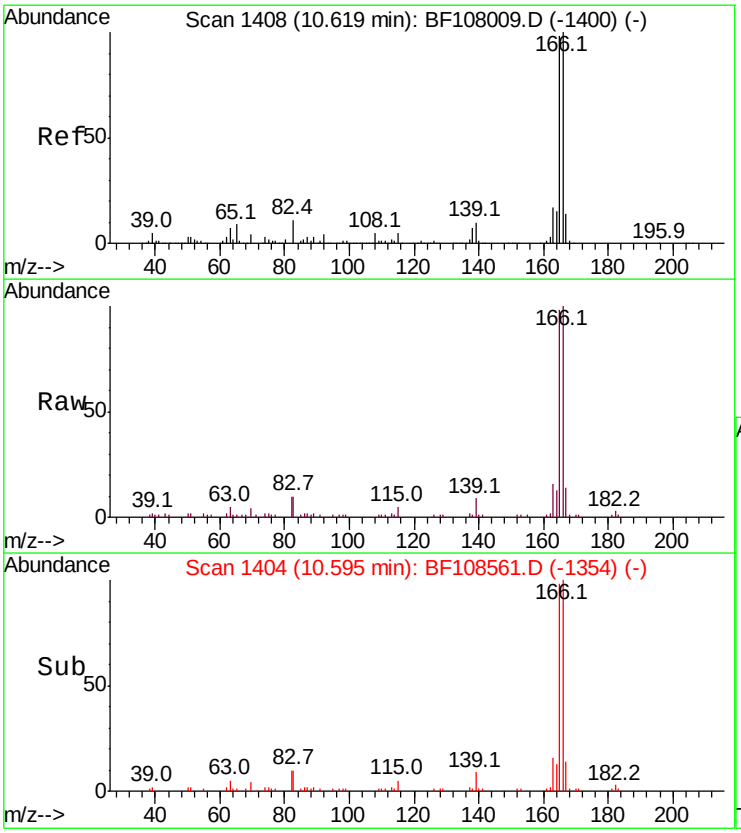
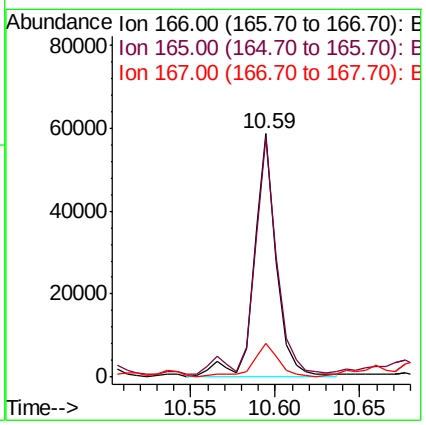
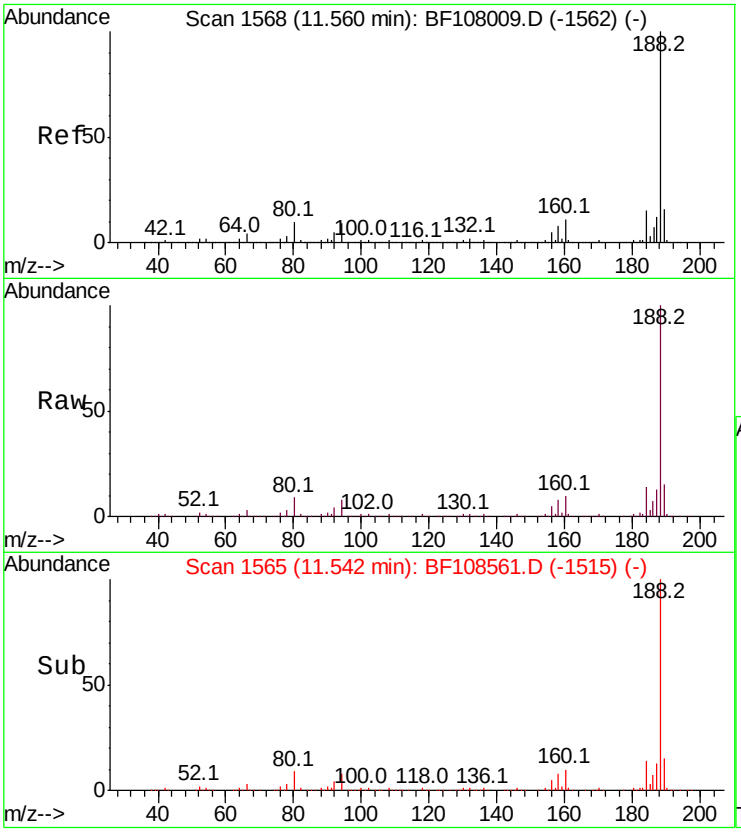


#57
Fluorene
Concen: 4.182 ng
RT: 10.59 min Scan# 1404
Delta R.T. -0.01 min
Lab File: BF108561.D
Acq: 28 Aug 2018 17:51

Tgt Ion:166 Resp: 54164

Ion	Ratio	Lower	Upper
166	100		
165	98.4	79.8	119.8
167	14.1	10.6	16.0

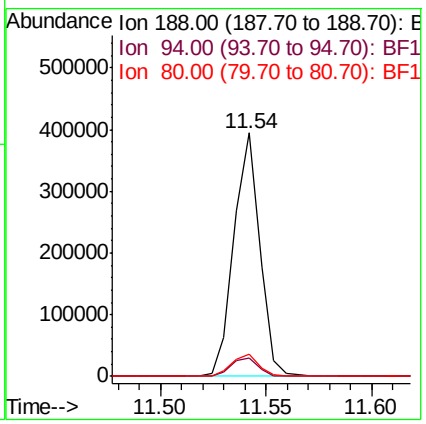




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.54 min Scan# 1565
Delta R.T. -0.01 min
Lab File: BF108561.D
Acq: 28 Aug 2018 17:51

Tgt Ion:188 Resp: 333321

Ion	Ratio	Lower	Upper
188	100		
94	7.6	8.5	12.7#
80	8.9	9.2	13.8#



Instrument :
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ClientSampleId :
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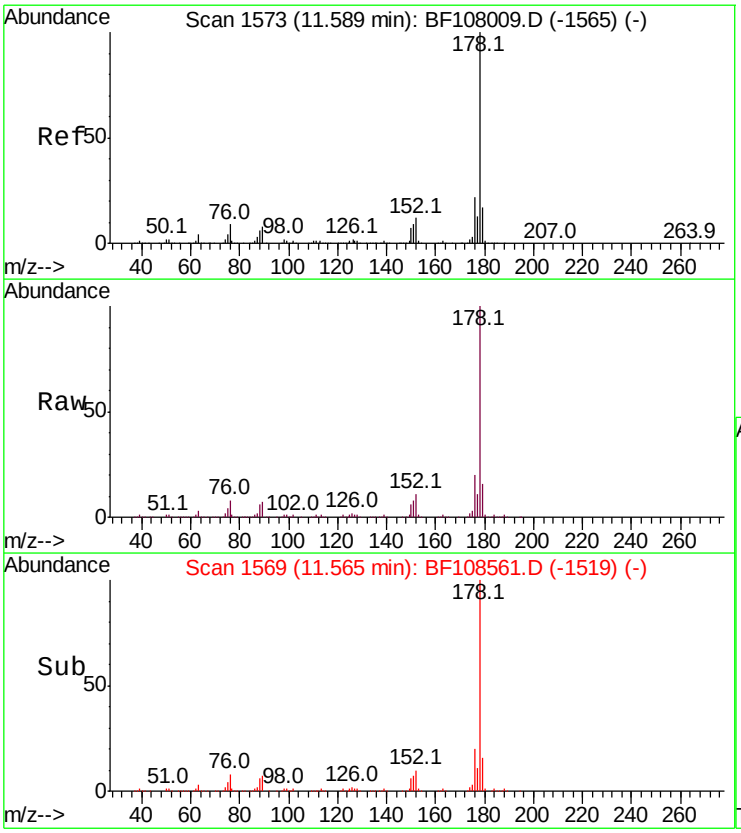
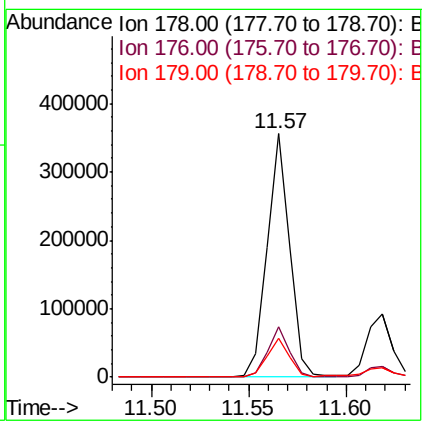
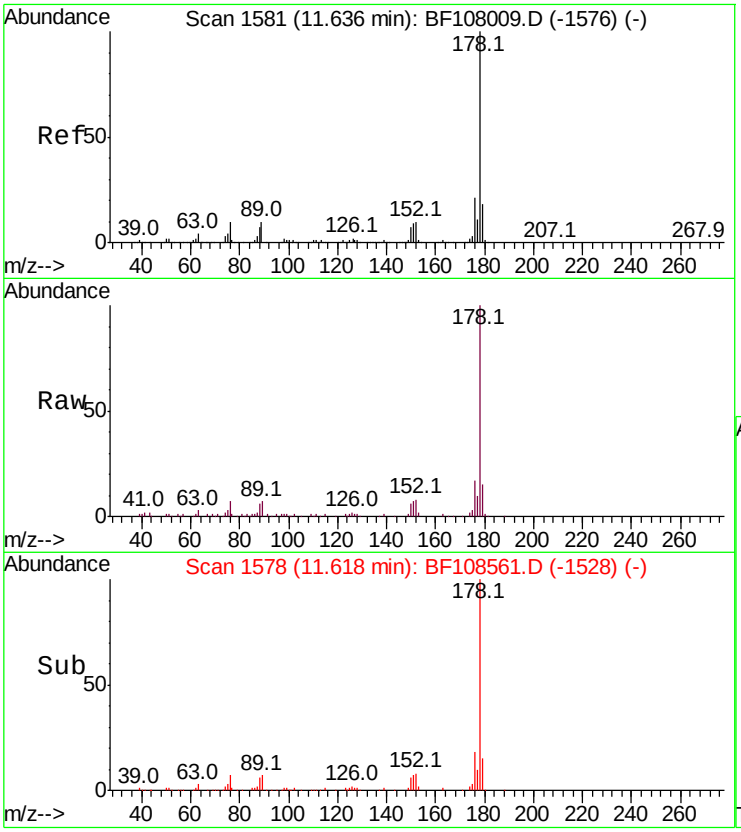


#70
Phenanthrene
Concen: 18.050 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF108561.D
Acq: 28 Aug 2018 17:51

Tgt Ion:178 Resp: 283777

Ion	Ratio	Lower	Upper
178	100		
176	20.4	15.8	23.8
179	16.1	13.0	19.6

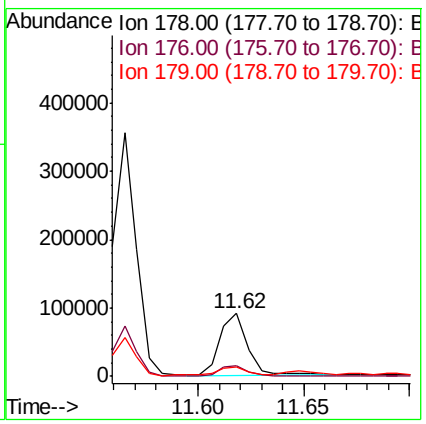




#71
Anthracene
Concen: 5.119 ng
RT: 11.62 min Scan# 1578
Delta R.T. -0.01 min
Lab File: BF108561.D
Acq: 28 Aug 2018 17:51

Tgt Ion:178 Resp: 82480

Ion	Ratio	Lower	Upper
178	100		
176	17.5	15.4	23.2
179	15.3	12.6	19.0



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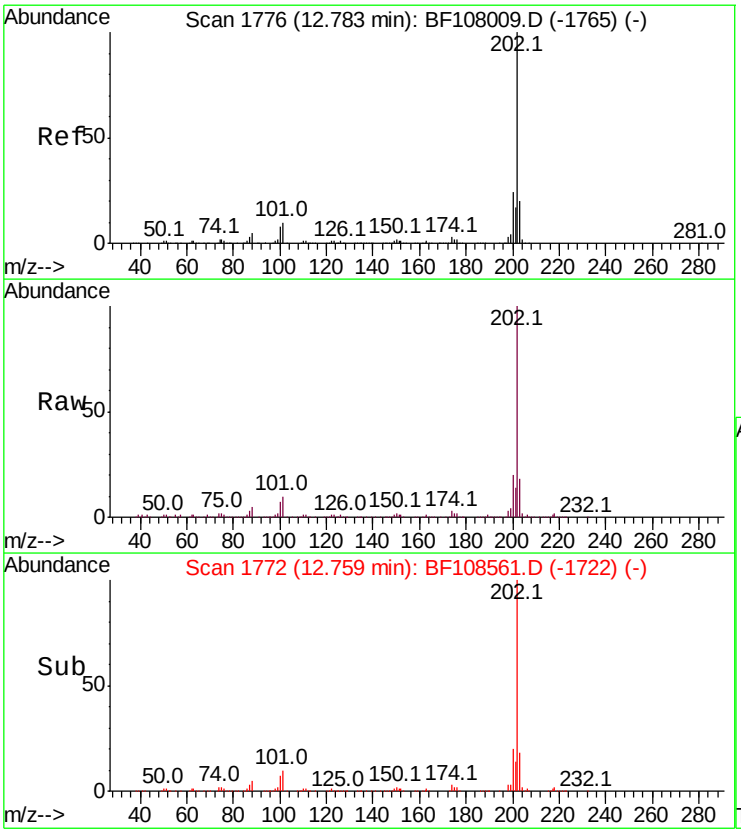
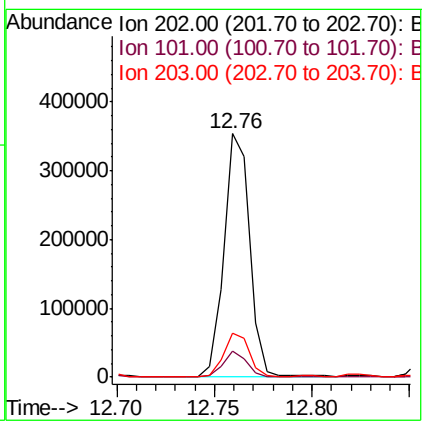
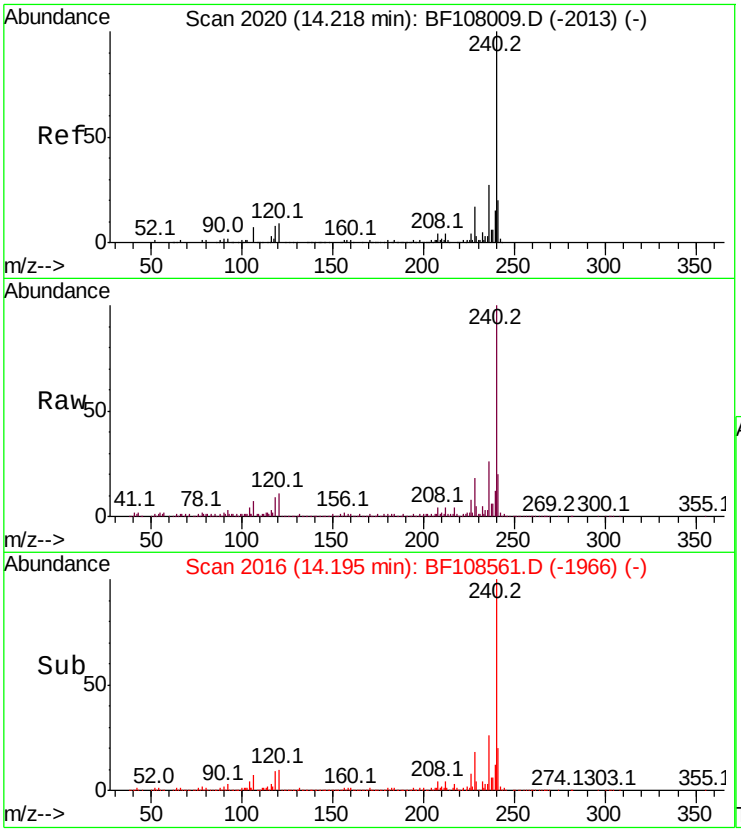


#74
Fluoranthene
Concen: 18.775 ng
RT: 12.76 min Scan# 1772
Delta R.T. -0.01 min
Lab File: BF108561.D
Acq: 28 Aug 2018 17:51

Tgt Ion:202 Resp: 322147

Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	34.1
203	17.8	0.0	38.1

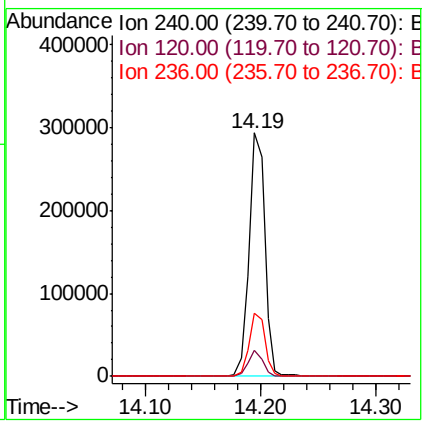




#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.19 min Scan# 2016
Delta R.T. -0.01 min
Lab File: BF108561.D
Acq: 28 Aug 2018 17:51

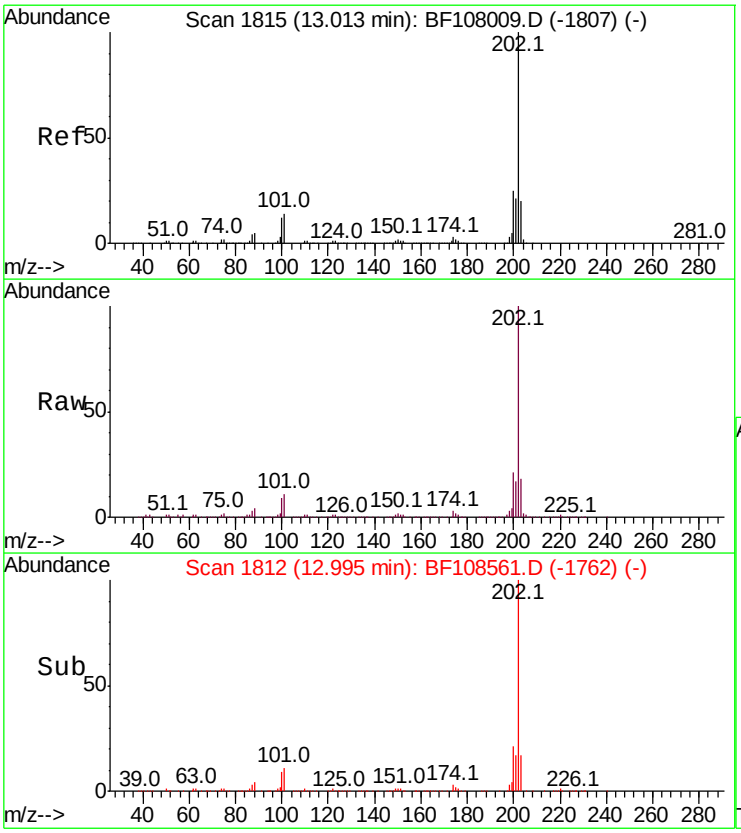
Tgt Ion:240 Resp: 279463

Ion	Ratio	Lower	Upper
240	100		
120	10.5	9.5	14.3
236	26.0	20.7	31.1



Instrument :
BNA_F
ClientSampleId :
OK-02-082718

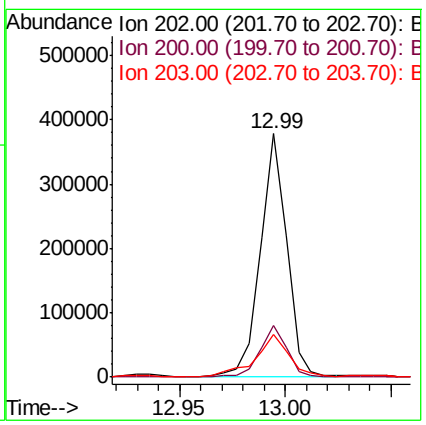
Manual Integrations APPROVED
Sohil
8/29/2018 3:11:31 PM

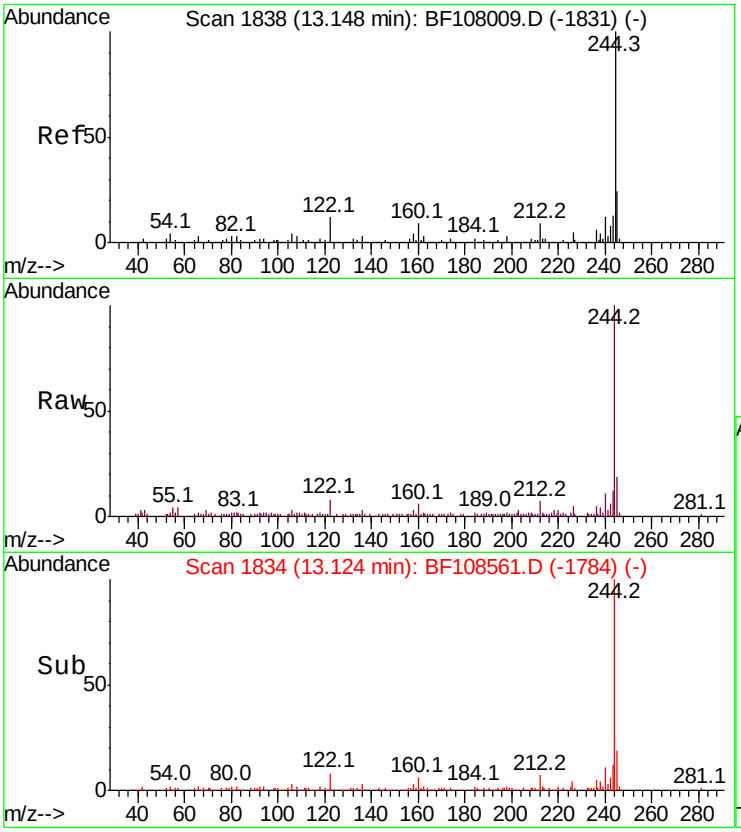


#77
Pyrene
Concen: 18.631 ng
RT: 12.99 min Scan# 1812
Delta R.T. -0.01 min
Lab File: BF108561.D
Acq: 28 Aug 2018 17:51

Tgt Ion:202 Resp: 329637

Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.4	26.2
203	17.6	14.3	21.5





#78
Terphenyl-d14
Concen: 6.128 ng
RT: 13.12 min Scan# 1834
Delta R.T. -0.01 min
Lab File: BF108561.D
Acq: 28 Aug 2018 17:51

Tgt Ion:244 Resp: 67350

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	8.1	11.0	16.4#

Instrument :
BNA_F
ClientSampleId :
OK-02-082718

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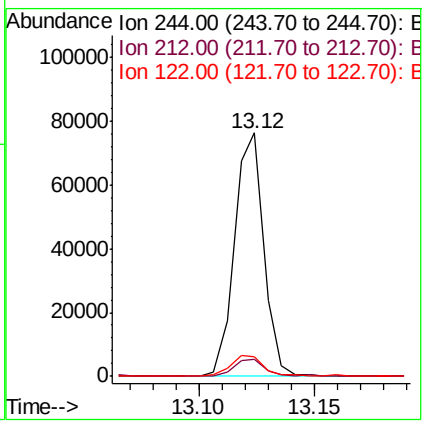
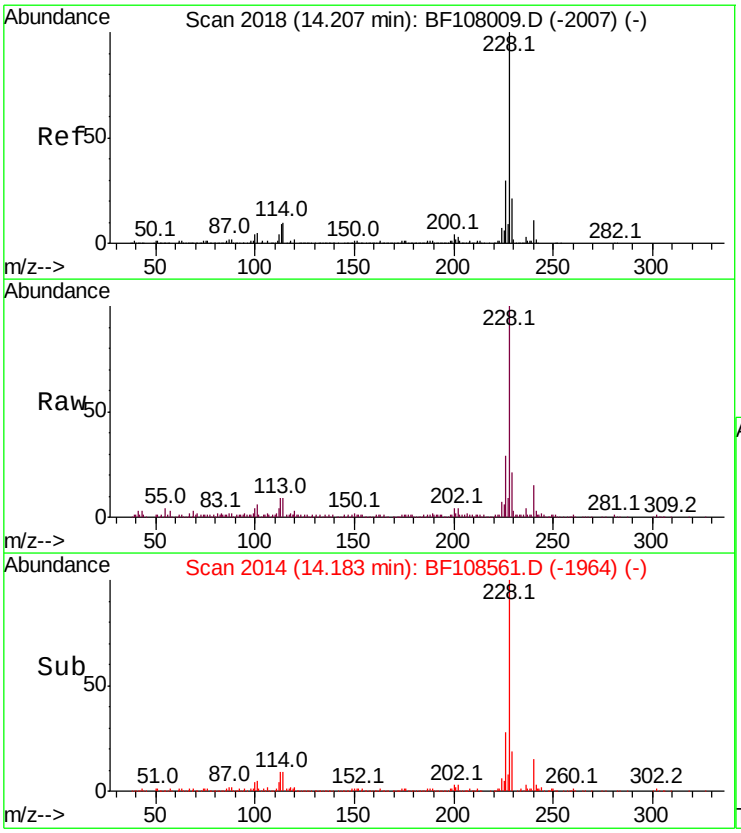
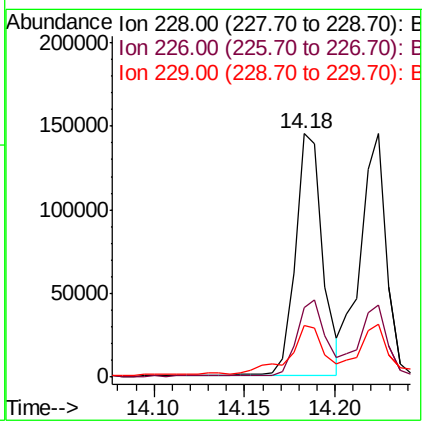


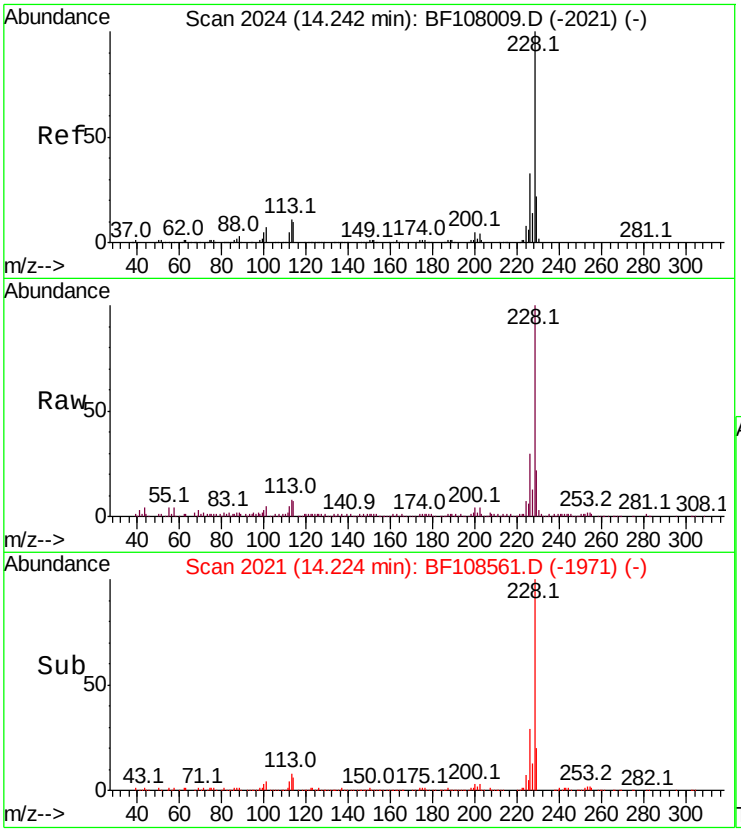


#80
Benzo(a)anthracene
Concen: 9.650 ng
RT: 14.18 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF108561.D
Acq: 28 Aug 2018 17:51

Tgt Ion:228 Resp: 154774

Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.6	33.8
229	21.1	15.8	23.6





#82
Chrysene
Concen: 9.976 ng
RT: 14.22 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF108561.D
Acq: 28 Aug 2018 17:51

Tgt Ion:228 Resp: 146691

Ion	Ratio	Lower	Upper
228	100		
226	29.7	25.0	37.6
229	21.6	16.2	24.4

Instrument :
BNA_F
ClientSampleId :
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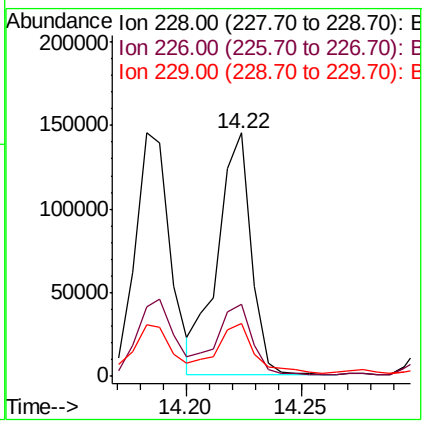
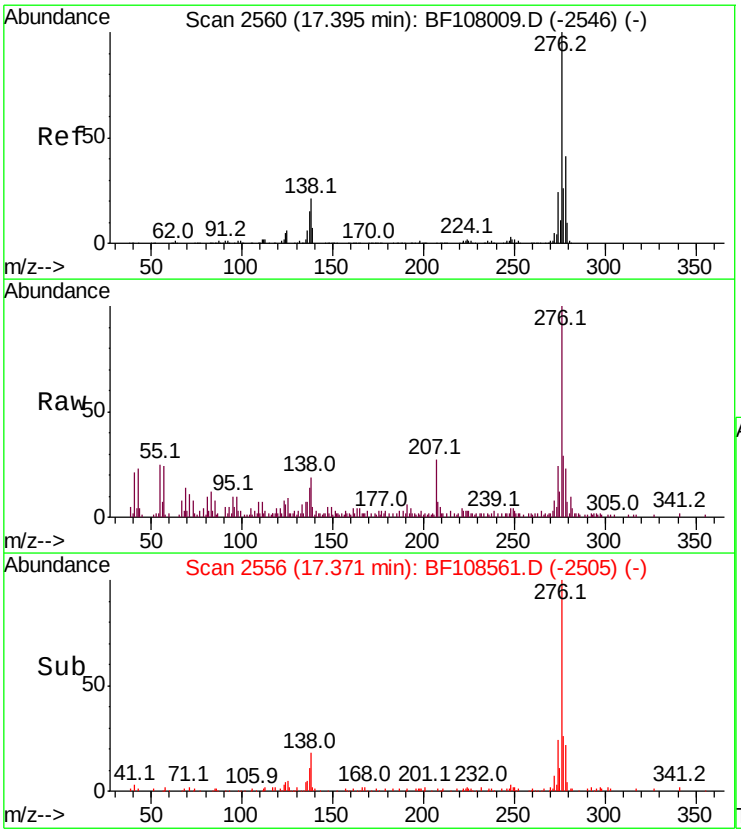
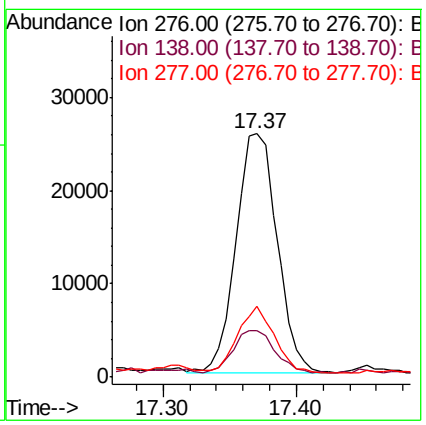


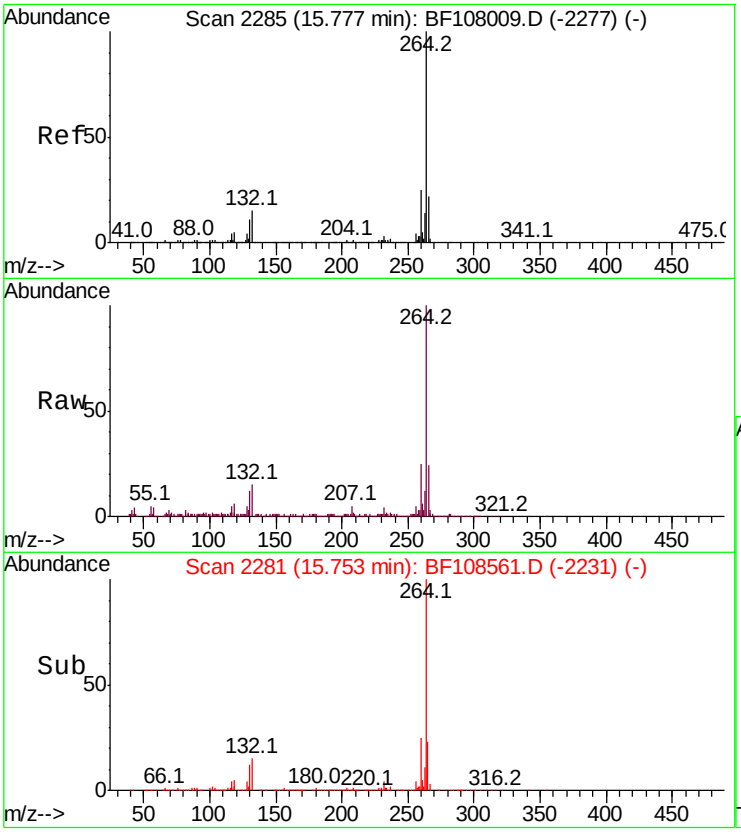


#85
Indeno(1,2,3-cd)pyrene
Concen: 4.283 ng
RT: 17.37 min Scan# 2556
Delta R.T. -0.00 min
Lab File: BF108561.D
Acq: 28 Aug 2018 17:51

Tgt Ion:276 Resp: 54562

Ion	Ratio	Lower	Upper
276	100		
138	18.3	25.0	37.6#
277	25.3	20.1	30.1

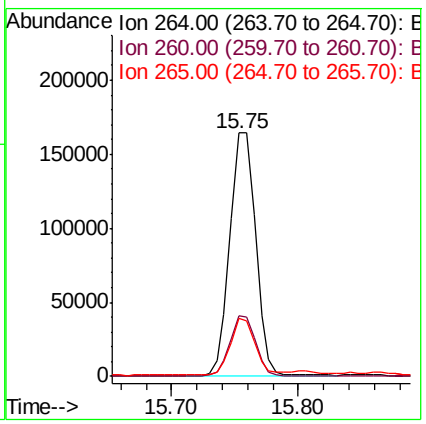




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.75 min Scan# 2281
Delta R.T. -0.01 min
Lab File: BF108561.D
Acq: 28 Aug 2018 17:51

Tgt Ion:264 Resp: 231862

Ion	Ratio	Lower	Upper
264	100		
260	25.0	19.2	28.8
265	23.8	17.5	26.3



Instrument :
BNA_F
ClientSampleId :
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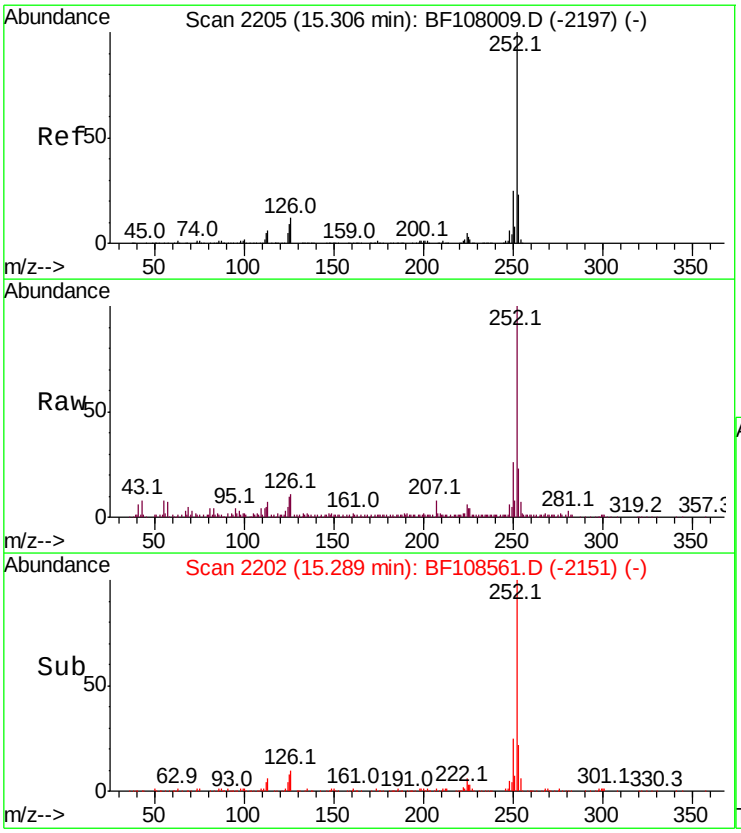
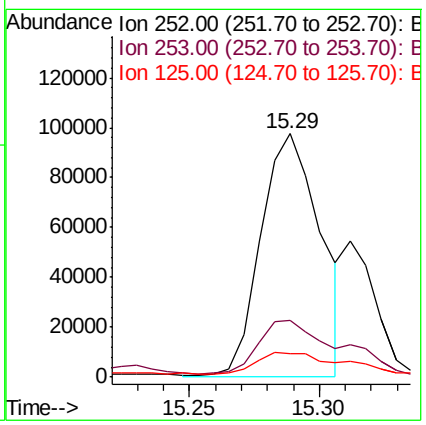
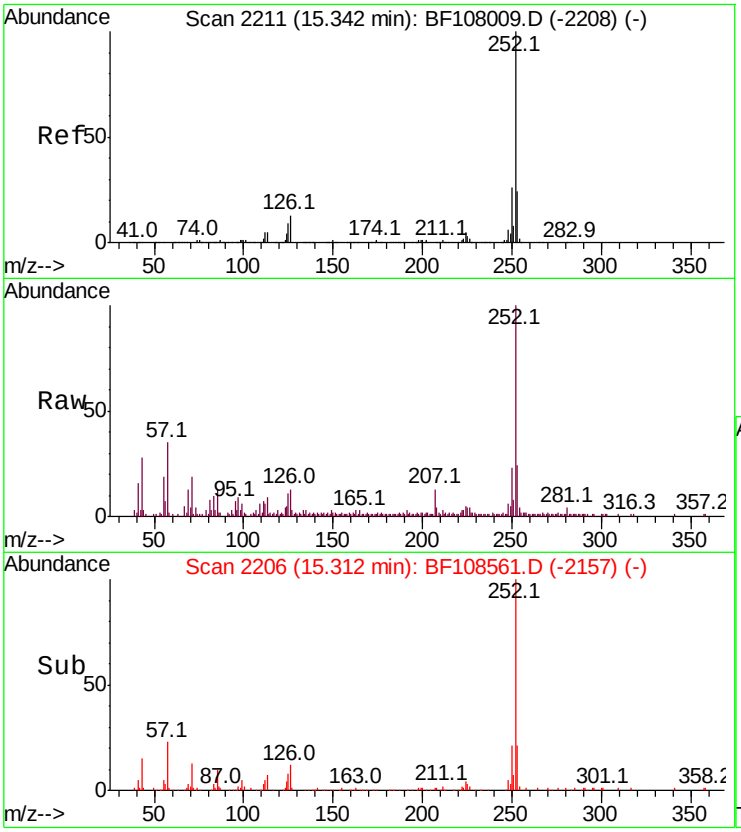


#87
Benzo(b)fluoranthene
Concen: 11.372 ng m
RT: 15.29 min Scan# 2202
Delta R.T. -0.00 min
Lab File: BF108561.D
Acq: 28 Aug 2018 17:51

Tgt Ion:252 Resp: 157549

Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	9.7	9.0	13.6





#88
Benzo(k)fluoranthene
Concen: 3.794 ng m
RT: 15.31 min Scan# 2206
Delta R.T. -0.01 min
Lab File: BF108561.D
Acq: 28 Aug 2018 17:51

Tgt Ion:252 Resp: 48320

Ion	Ratio	Lower	Upper
252	100		
253	24.1	17.9	26.9
125	11.2	10.2	15.2

Instrument :
BNA_F
ClientSampleId :
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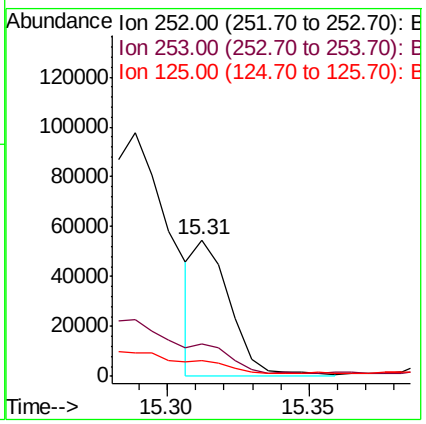
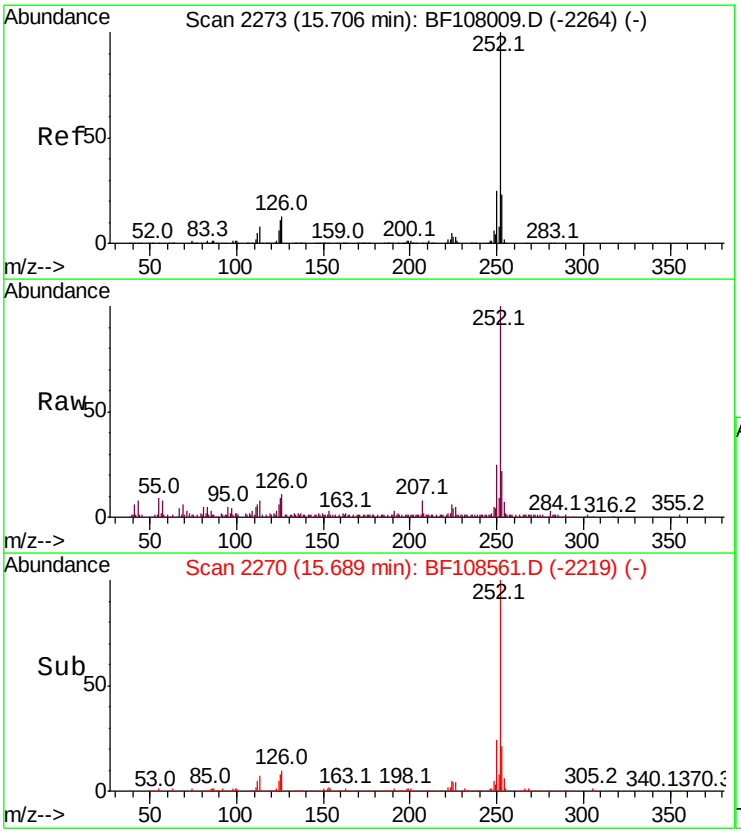
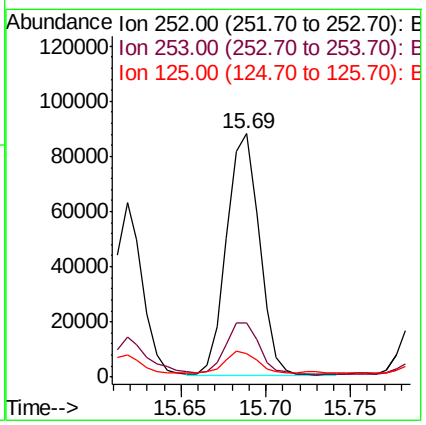


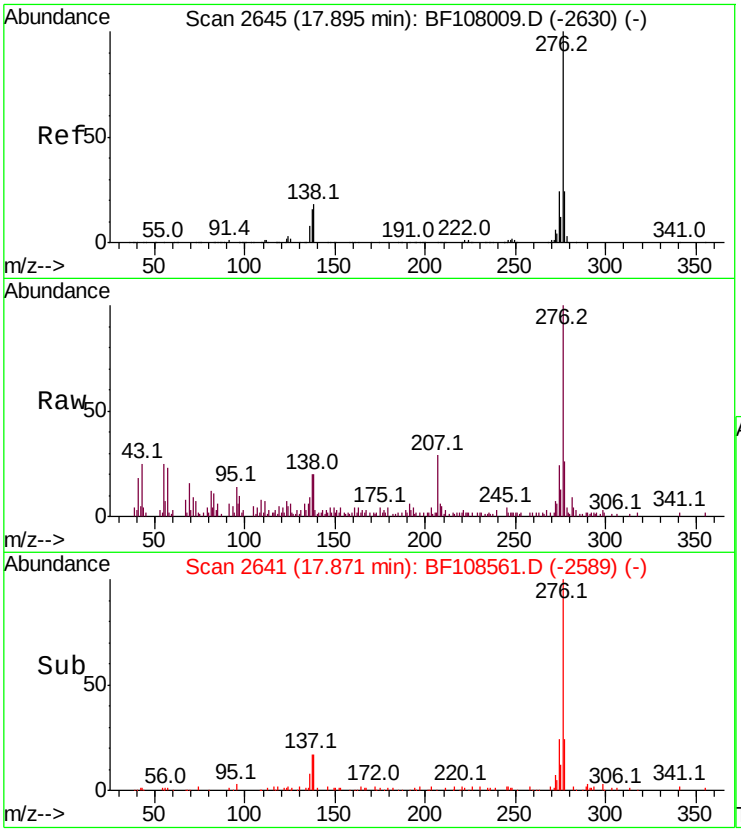


#89
Benzo(a)pyrene
Concen: 9.445 ng m
RT: 15.69 min Scan# 2270
Delta R.T. -0.00 min
Lab File: BF108561.D
Acq: 28 Aug 2018 17:51

Tgt Ion:252 Resp: 117175

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	9.4	9.8	14.6#

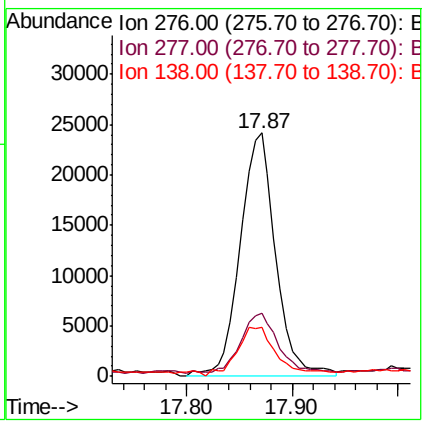




#91
Benzo(g,h,i)perylene
Concen: 5.587 ng
RT: 17.87 min Scan# 2641
Delta R.T. 0.01 min
Lab File: BF108561.D
Acq: 28 Aug 2018 17:51

Tgt Ion:276 Resp: 56473

Ion	Ratio	Lower	Upper
276	100		
277	26.1	17.9	26.9
138	20.1	21.8	32.8#



Instrument :
BNA_F
ClientSampleId :
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