Quantitation Report (QT/LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF121518\
Data File : BF111481.D
Acq On : 15 Dec 2018 21:02
Operator : JU/SJ
Sample : J6303-03 2X
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
NR38-C1-110718

Manual Integrations APPROVED
Sohil
12/17/2018 3:12:24 PM

Quant Time: Dec 16 01:56:13 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121418.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 14 13:26:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units		Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	107433	20.00	ng		0.00
21) Naphthalene-d8	8.07	136	375119	20.00	ng		0.00
39) Acenaphthene-d10	9.83	164	141026	20.00	ng		0.00
64) Phenanthrene-d10	11.32	188	277391	20.00	ng		0.00
76) Chrysene-d12	13.95	240	279936	20.00	ng		0.00
87) Perylene-d12	15.39	264	197523	20.00	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.41	112	228179	35.34	ng		0.00
7) Phenol-d6	6.43	99	268097	31.22	ng		-0.01
23) Nitrobenzene-d5	7.35	82	146628	23.28	ng		0.00
42) 2,4,6-Tribromophenol	10.62	330	48562	38.44	ng		0.00
45) 2-Fluorobiphenyl	9.15	172	248961	27.27	ng		0.00
79) Terphenyl-d14	12.90	244	288750	24.22	ng		0.00
Target Compounds							Qvalue
71) Phenanthrene	11.34	178	72768m	5.091	ng		
75) Fluoranthene	12.53	202	147072	10.518	ng		96
78) Pyrene	12.75	202	151087	7.655	ng		95
81) Benzo(a)anthracene	13.94	228	70419	4.626	ng		99
83) Chrysene	13.97	228	60490	3.772	ng		95
88) Benzo(b)fluoranthene	14.97	252	55736m	4.840	ng		
89) Benzo(k)fluoranthene	15.00	252	22425m	2.038	ng		
90) Benzo(a)pyrene	15.33	252	40358	3.886	ng	#	92
92) Benzo(g,h,i)perylene	17.23	276	23120m	2.875	ng		

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

Quantitation Report (QT/LSC Reviewed)

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Instrument :
BNA_F
ClientSampleId :
NR38-C1-110718

Manual Integrations APPROVED
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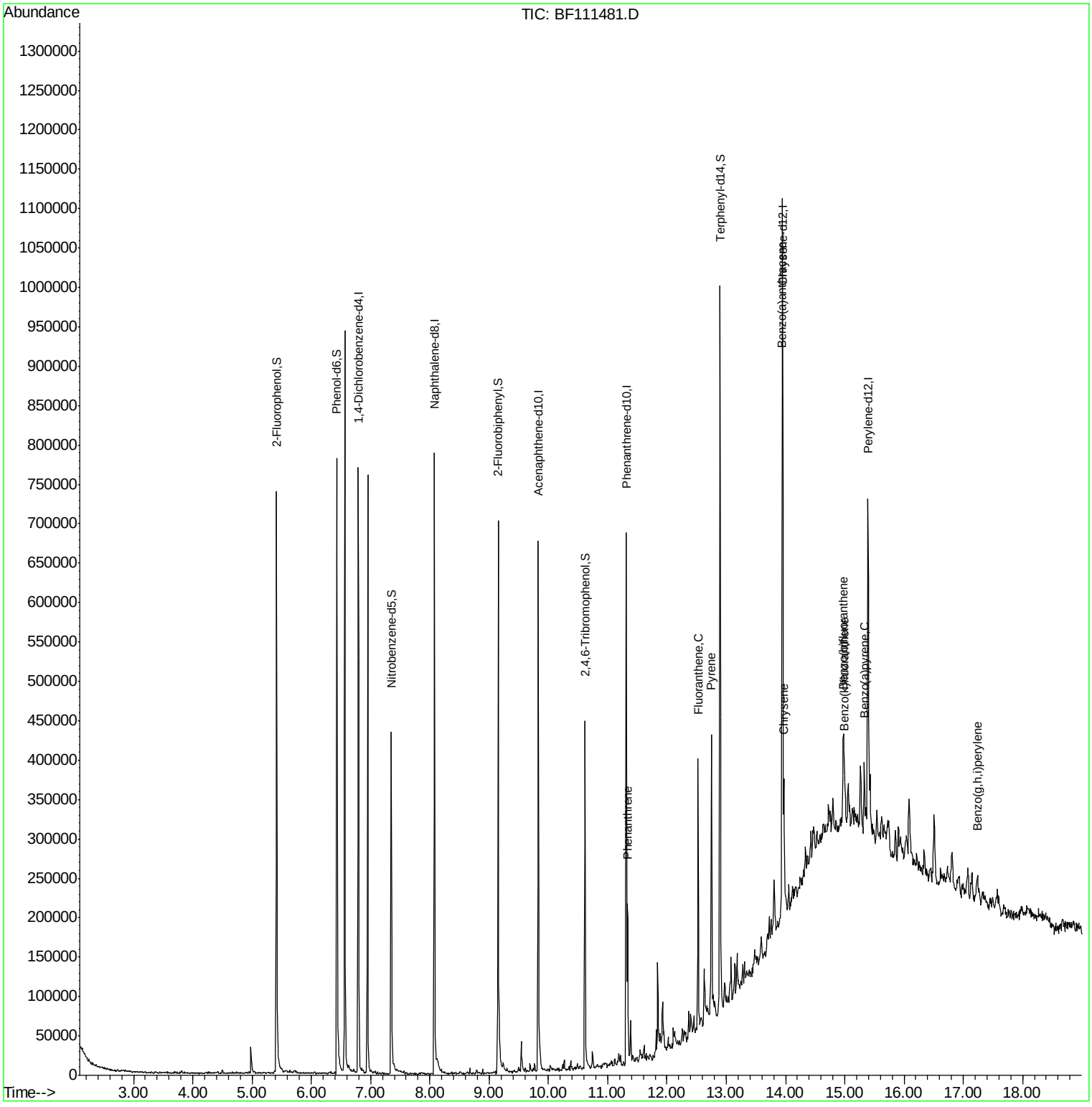
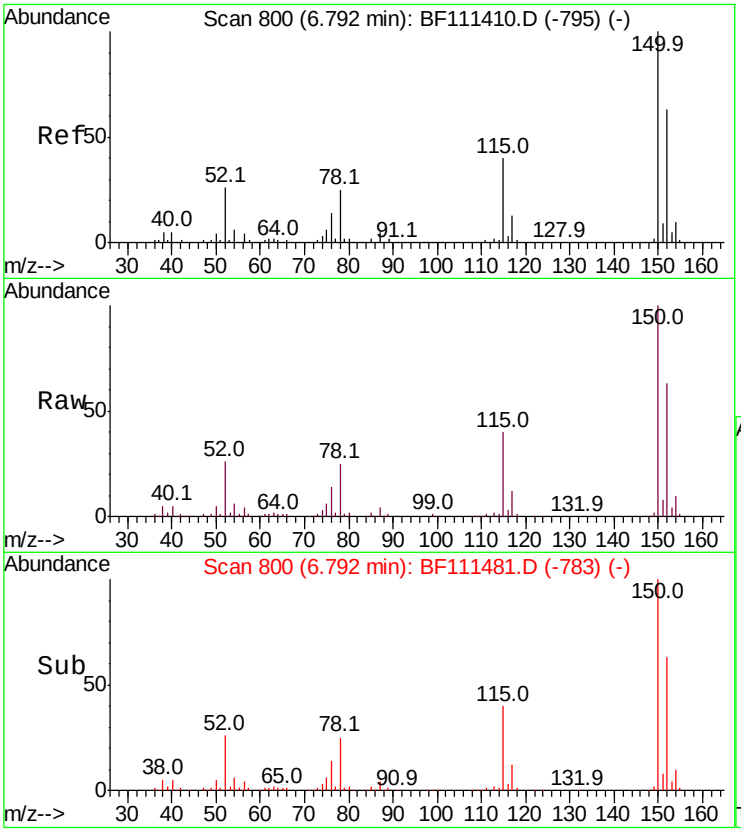
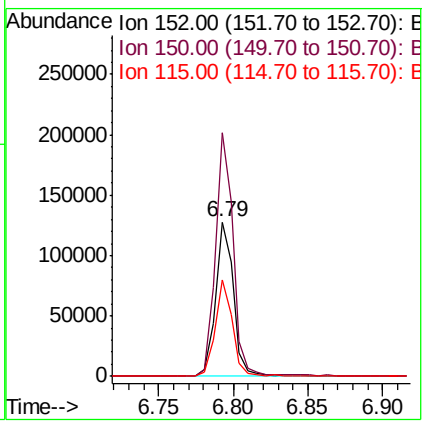




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF111481.D
Acq: 15 Dec 2018 21:02

Tgt Ion:152 Resp: 107433

Ion	Ratio	Lower	Upper
152	100		
150	158.1	126.6	189.8
115	62.7	50.7	76.1



Instrument :
BNA_F
ClientSampleId :
NR38-C1-110718

Manual Integrations APPROVED
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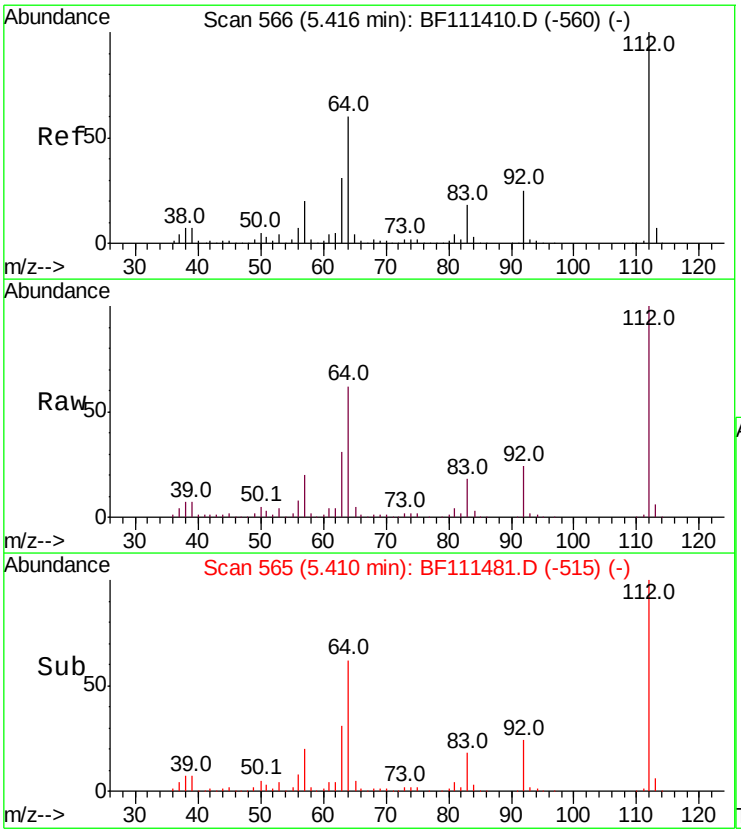
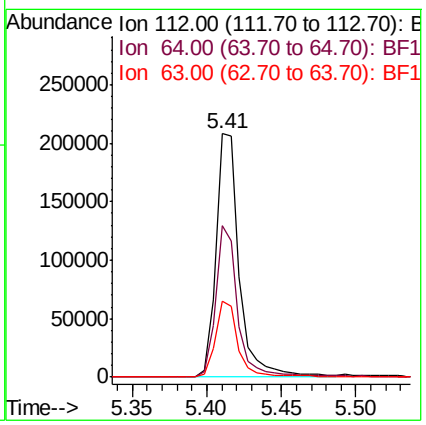
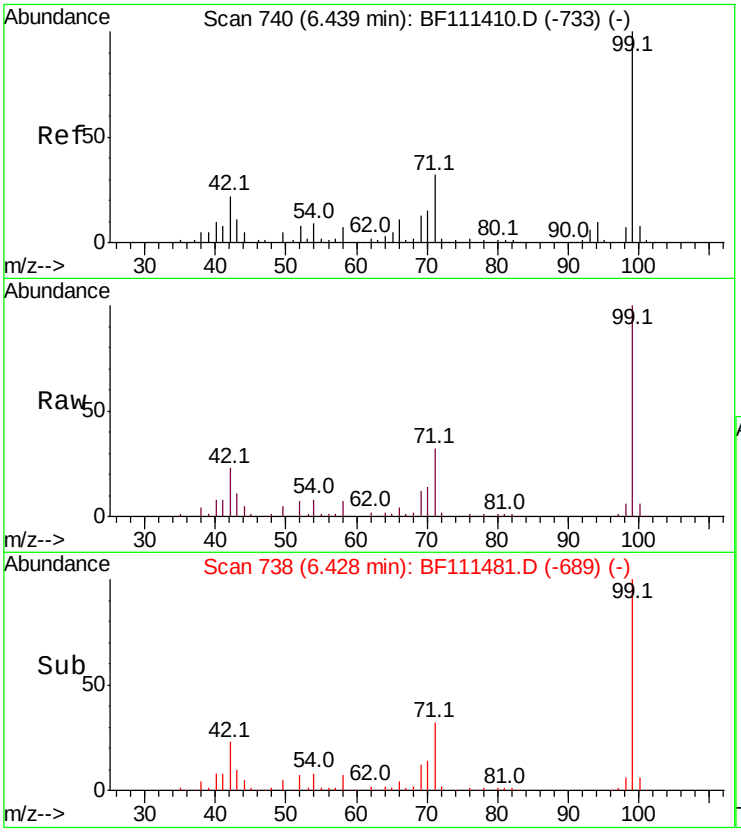


#5
2-Fluorophenol
Concen: 35.343 ng
RT: 5.41 min Scan# 565
Delta R.T. -0.00 min
Lab File: BF111481.D
Acq: 15 Dec 2018 21:02

Tgt Ion:112 Resp: 228179

Ion	Ratio	Lower	Upper
112	100		
64	62.1	51.8	77.6
63	31.1	26.8	40.2

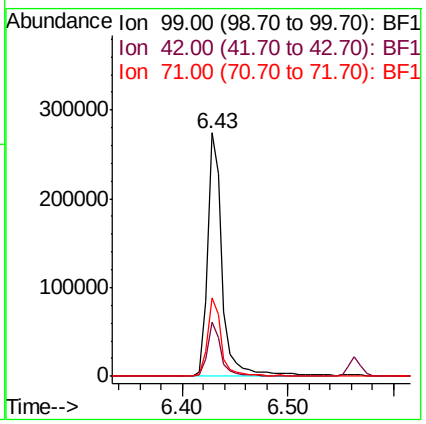




#7
Phenol-d6
Concen: 31.219 ng
RT: 6.43 min Scan# 738
Delta R.T. -0.01 min
Lab File: BF111481.D
Acq: 15 Dec 2018 21:02

Tgt Ion: 99 Resp: 268097

Ion	Ratio	Lower	Upper
99	100		
42	22.5	17.4	26.0
71	32.3	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
NR38-C1-110718

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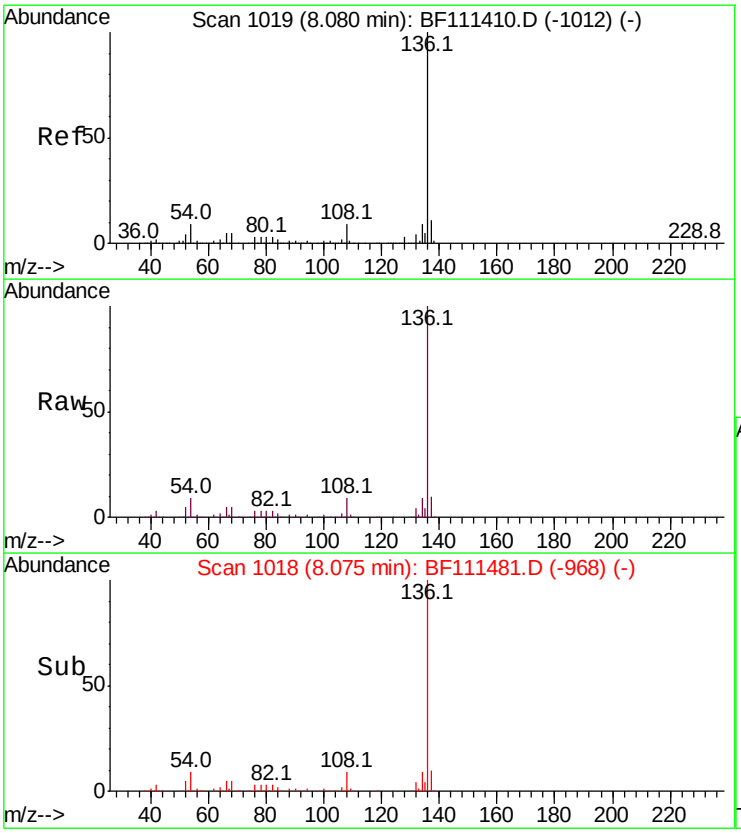
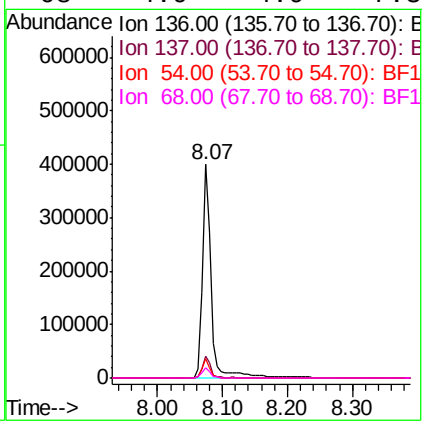
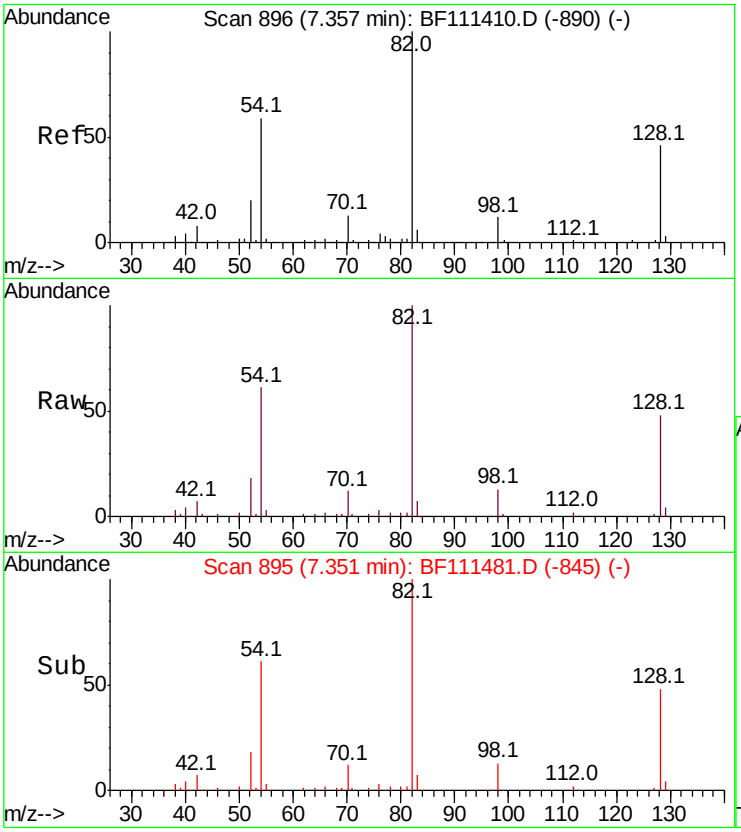


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF111481.D
Acq: 15 Dec 2018 21:02

Tgt Ion:136 Resp: 375119

Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.1	13.7
54	9.0	7.7	11.5
68	4.9	4.9	7.3

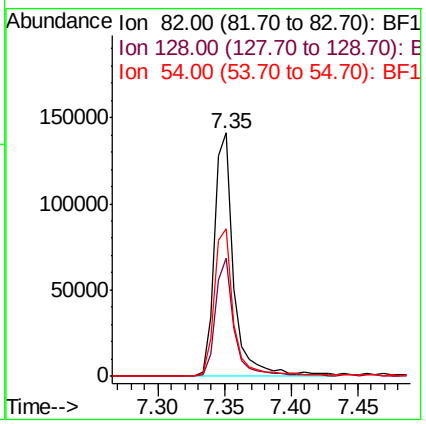




#23
Nitrobenzene-d5
Concen: 23.277 ng
RT: 7.35 min Scan# 895
Delta R.T. -0.01 min
Lab File: BF111481.D
Acq: 15 Dec 2018 21:02

Tgt Ion: 82 Resp: 146628

Ion	Ratio	Lower	Upper
82	100		
128	48.4	37.4	56.2
54	60.8	47.6	71.4



Instrument :
BNA_F
ClientSampleId :
NR38-C1-110718

Manual Integrations APPROVED
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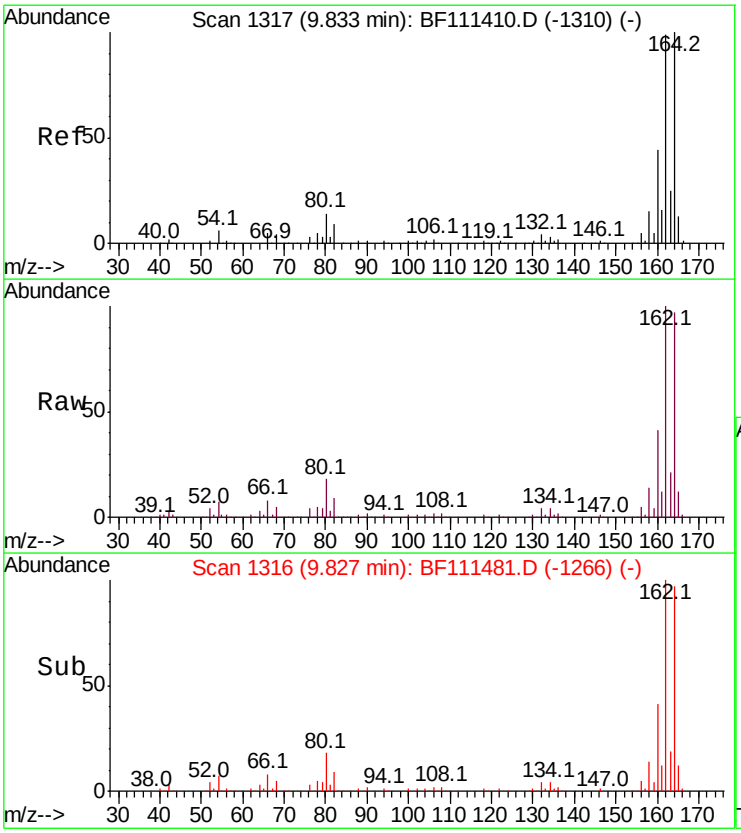
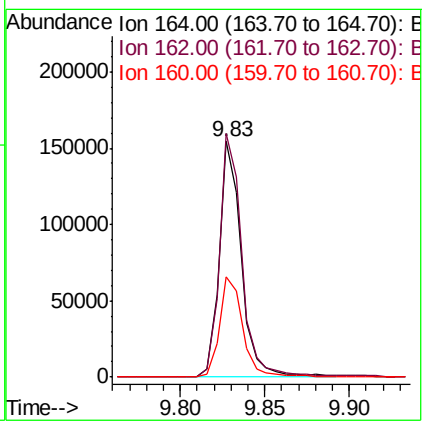
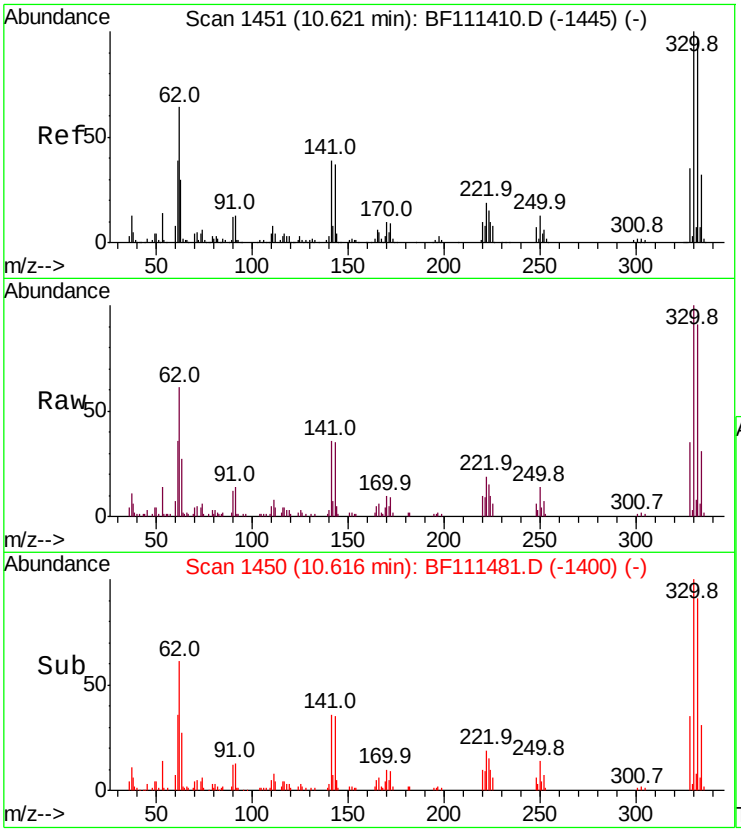


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1316
Delta R.T. -0.01 min
Lab File: BF111481.D
Acq: 15 Dec 2018 21:02

Tgt Ion:164 Resp: 141026

Ion	Ratio	Lower	Upper
164	100		
162	103.4	81.4	122.0
160	42.6	35.7	53.5

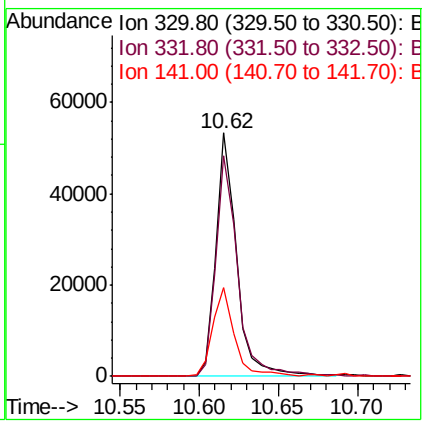




#42
2,4,6-Tribromophenol
Concen: 38.441 ng
RT: 10.62 min Scan# 1450
Delta R.T. -0.01 min
Lab File: BF111481.D
Acq: 15 Dec 2018 21:02

Tgt Ion:330 Resp: 48562

Ion	Ratio	Lower	Upper
330	100		
332	95.0	76.0	114.0
141	37.9	31.0	46.6



Instrument :
BNA_F
ClientSampleId :
NR38-C1-110718

Manual Integrations APPROVED
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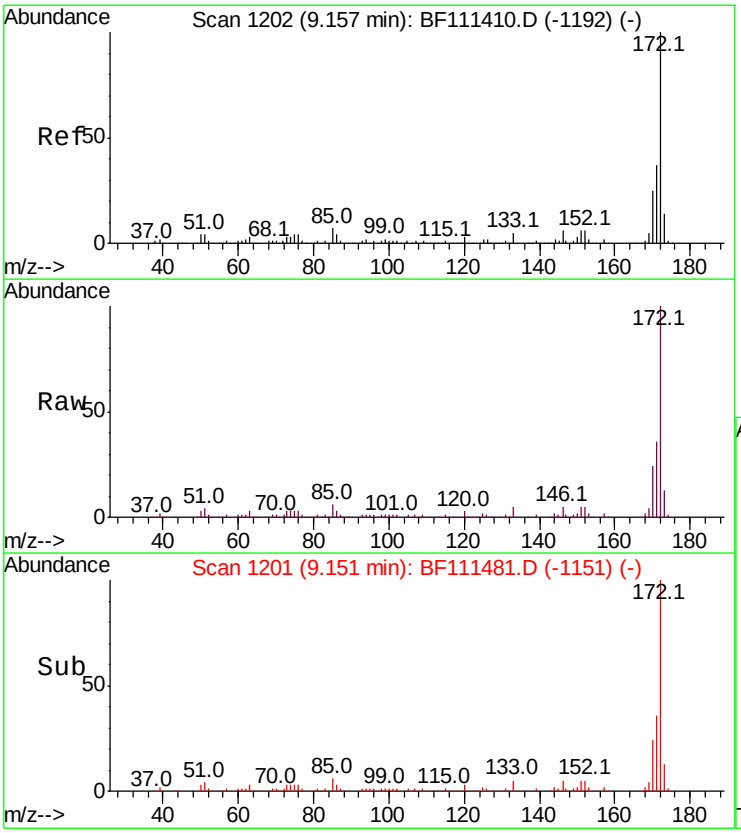
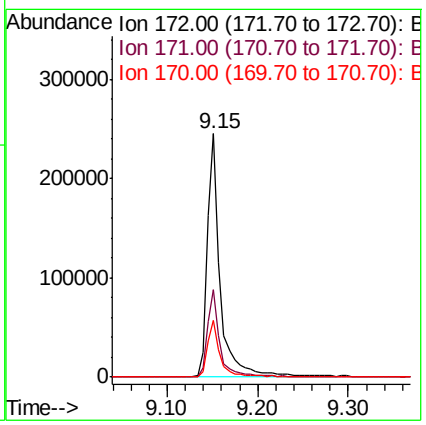
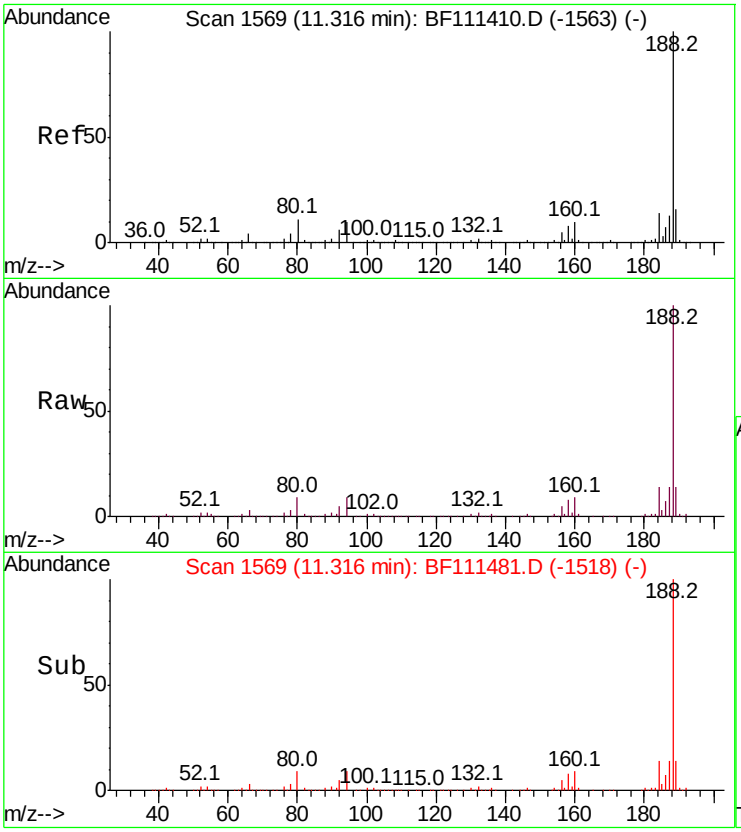


#45
2-Fluorobiphenyl
Concen: 27.268 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.01 min
Lab File: BF111481.D
Acq: 15 Dec 2018 21:02

Tgt Ion:172 Resp: 248961

Ion	Ratio	Lower	Upper
172	100		
171	36.1	33.0	49.4
170	23.5	22.3	33.5





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.00 min
Lab File: BF111481.D
Acq: 15 Dec 2018 21:02

Tgt Ion:188 Resp: 277391

Ion	Ratio	Lower	Upper
188	100		
94	9.3	9.6	14.4#
80	9.3	9.8	14.6#

Instrument :
BNA_F
ClientSampleId :
NR38-C1-110718

Manual Integrations APPROVED
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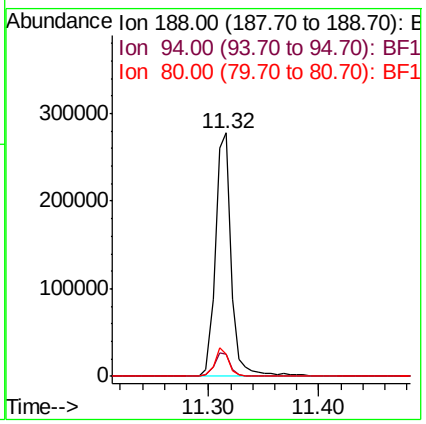
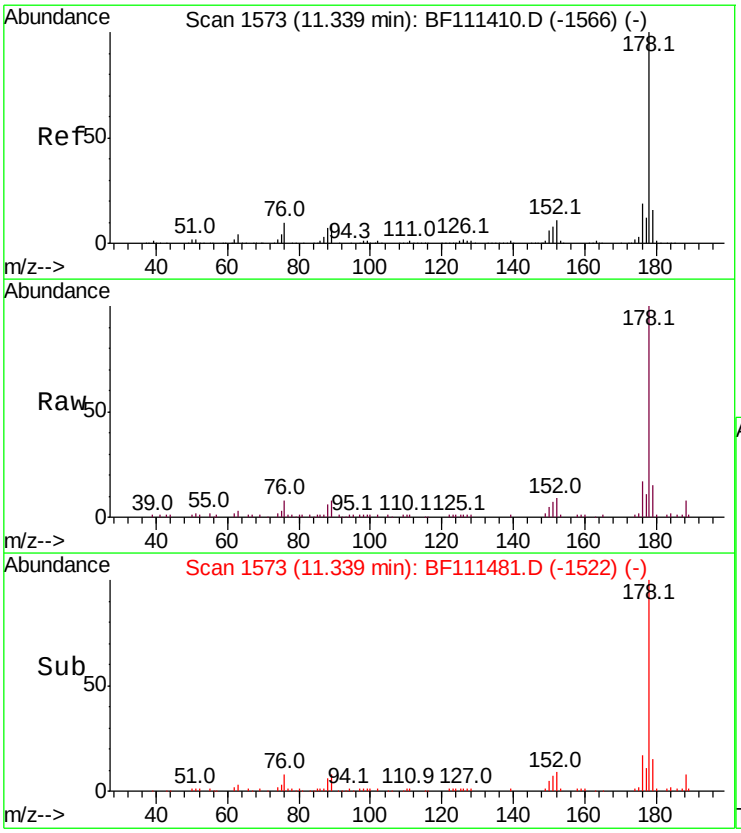
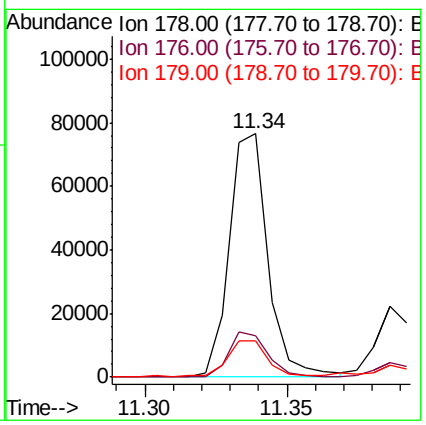


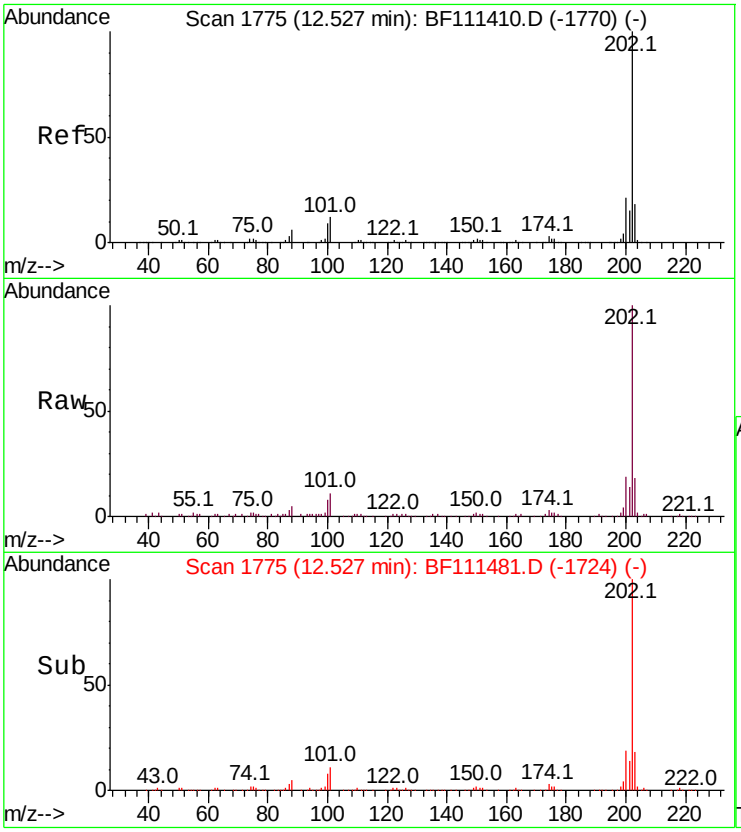


#71
Phenanthrene
Concen: 5.091 ng m
RT: 11.34 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BF111481.D
Acq: 15 Dec 2018 21:02

Tgt Ion:178 Resp: 72768

Ion	Ratio	Lower	Upper
178	100		
176	17.1	18.1	27.1#
179	14.9	14.0	21.0

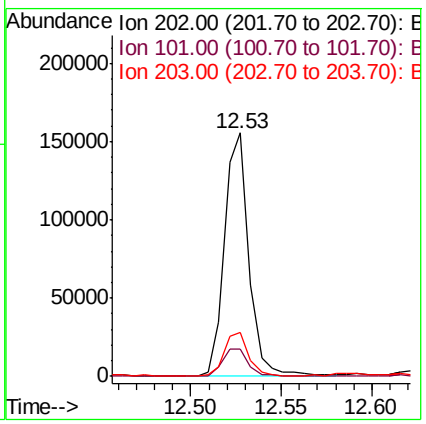




#75
Fluoranthene
Concen: 10.518 ng
RT: 12.53 min Scan# 1775
Delta R.T. 0.00 min
Lab File: BF111481.D
Acq: 15 Dec 2018 21:02

Tgt Ion:202 Resp: 147072

Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	33.8
203	17.9	0.0	38.6



Instrument :
BNA_F
ClientSampleId :
NR38-C1-110718

Manual Integrations APPROVED
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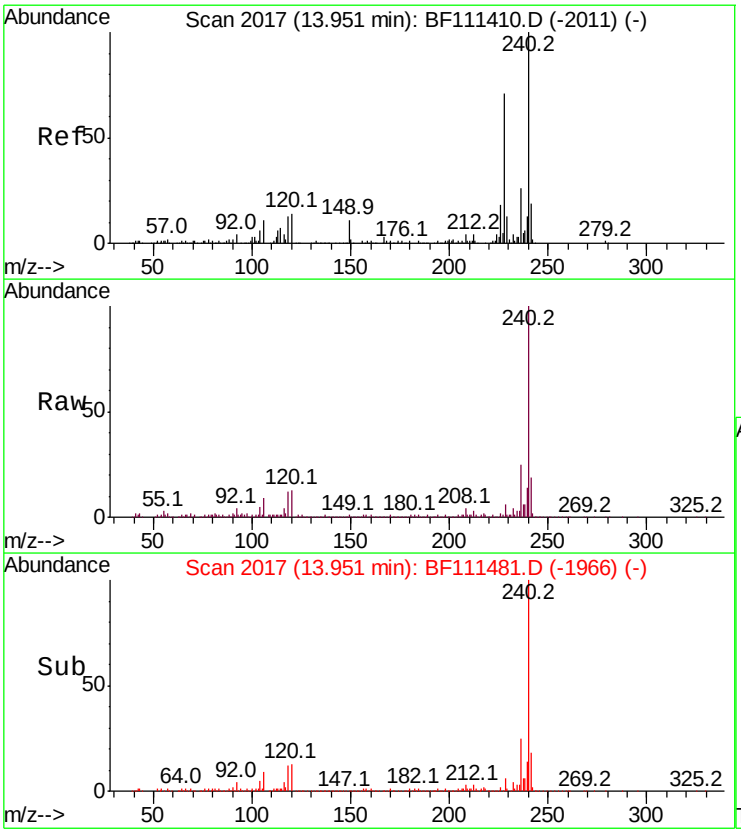
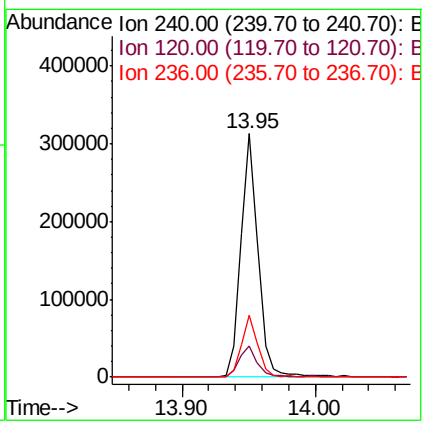
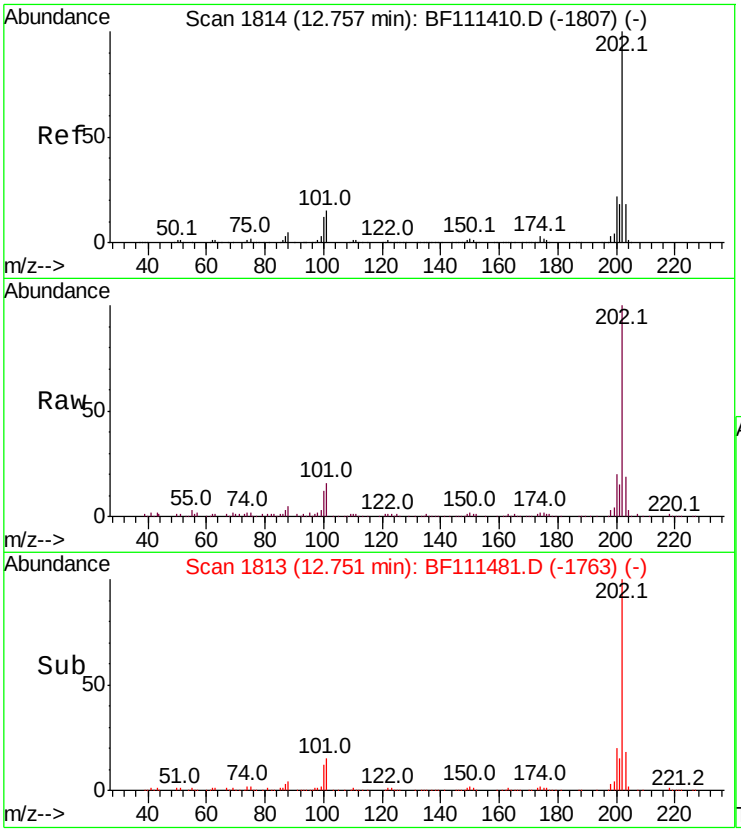


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.00 min
Lab File: BF111481.D
Acq: 15 Dec 2018 21:02

Tgt Ion:240 Resp: 279936

Ion	Ratio	Lower	Upper
240	100		
120	13.0	12.2	18.2
236	25.3	20.2	30.2

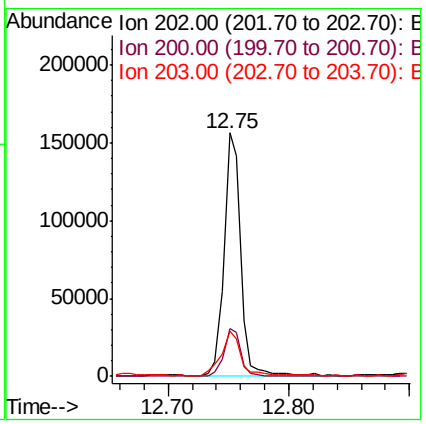




#78
Pyrene
Concen: 7.655 ng
RT: 12.75 min Scan# 1813
Delta R.T. -0.01 min
Lab File: BF111481.D
Acq: 15 Dec 2018 21:02

Tgt Ion:202 Resp: 151087

Ion	Ratio	Lower	Upper
202	100		
200	19.8	19.0	28.4
203	18.6	15.2	22.8



Instrument :
BNA_F
ClientSampleId :
NR38-C1-110718

Manual Integrations APPROVED
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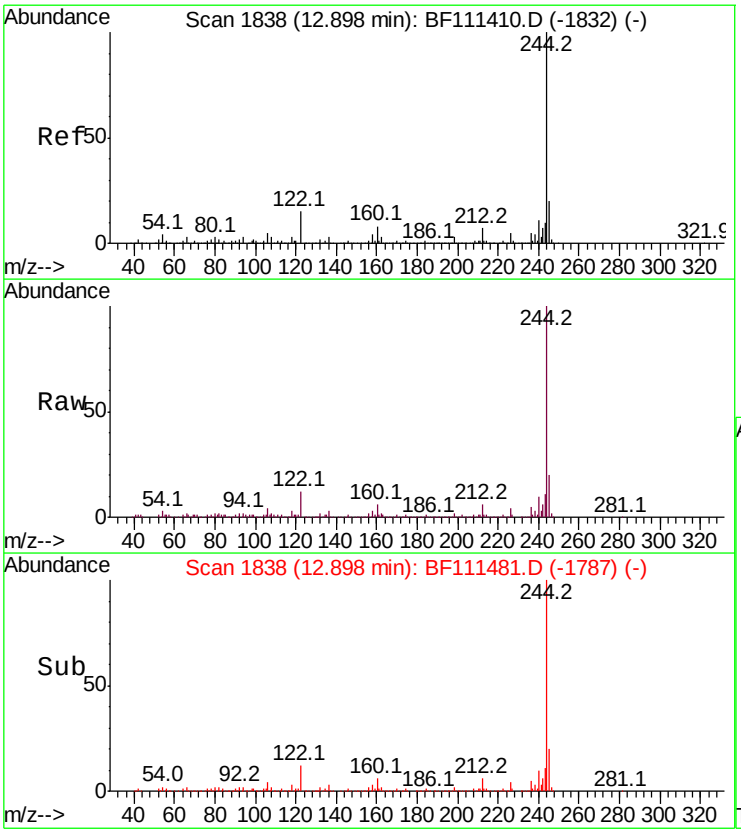
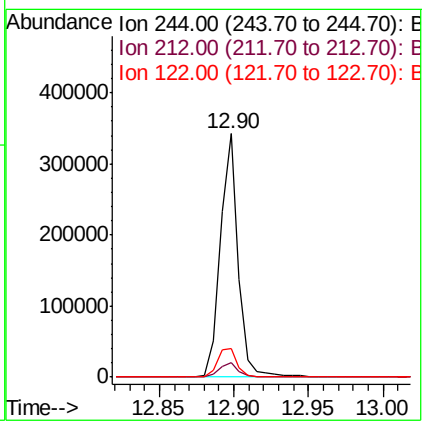
12/17/2018 3:12:24 PM

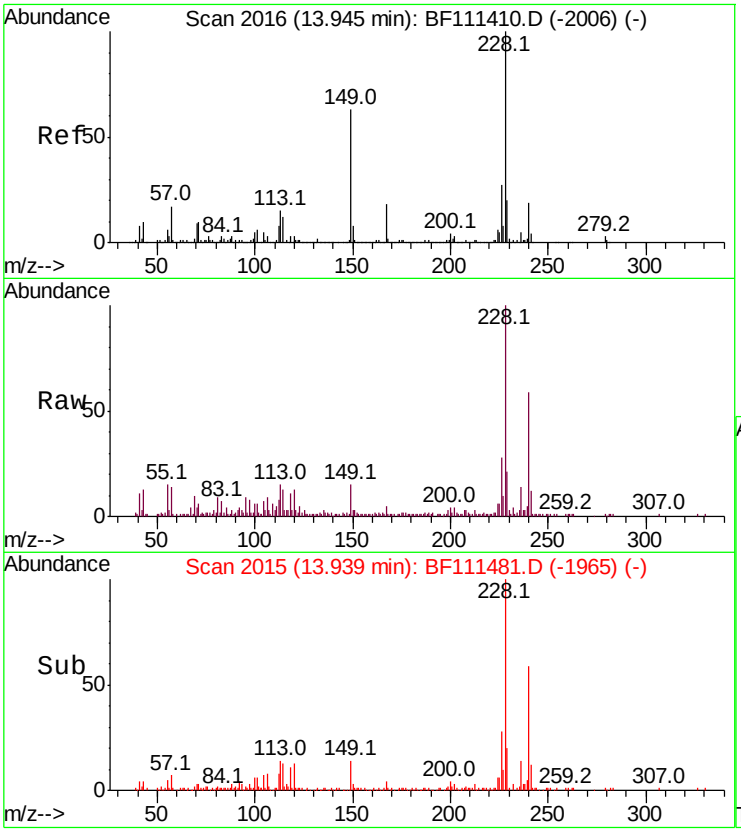


#79
Terphenyl-d14
Concen: 24.222 ng
RT: 12.90 min Scan# 1838
Delta R.T. -0.00 min
Lab File: BF111481.D
Acq: 15 Dec 2018 21:02

Tgt Ion:244 Resp: 288750

Ion	Ratio	Lower	Upper
244	100		
212	6.0	5.7	8.5
122	11.5	13.1	19.7#

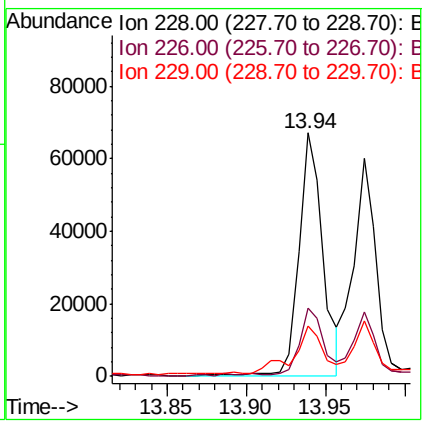




#81
Benzo(a)anthracene
Concen: 4.626 ng
RT: 13.94 min Scan# 2015
Delta R.T. -0.01 min
Lab File: BF111481.D
Acq: 15 Dec 2018 21:02

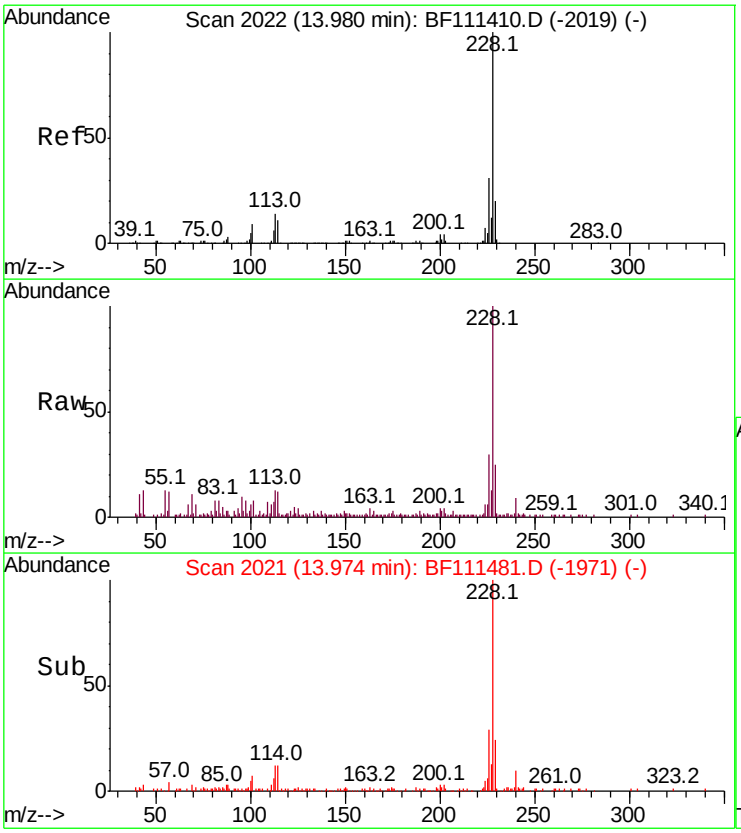
Tgt Ion:228 Resp: 70419

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.6	34.0
229	20.7	16.3	24.5



Instrument :
BNA_F
ClientSampleId :
NR38-C1-110718

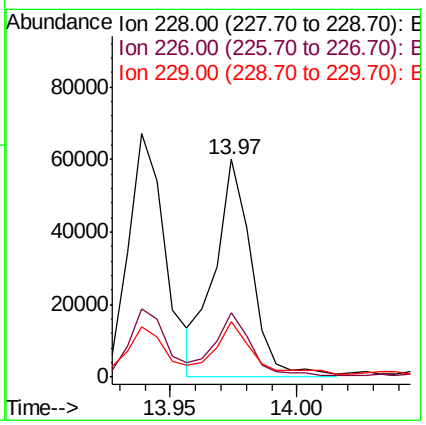
Manual Integrations APPROVED
Sohil
12/17/2018 3:12:24 PM

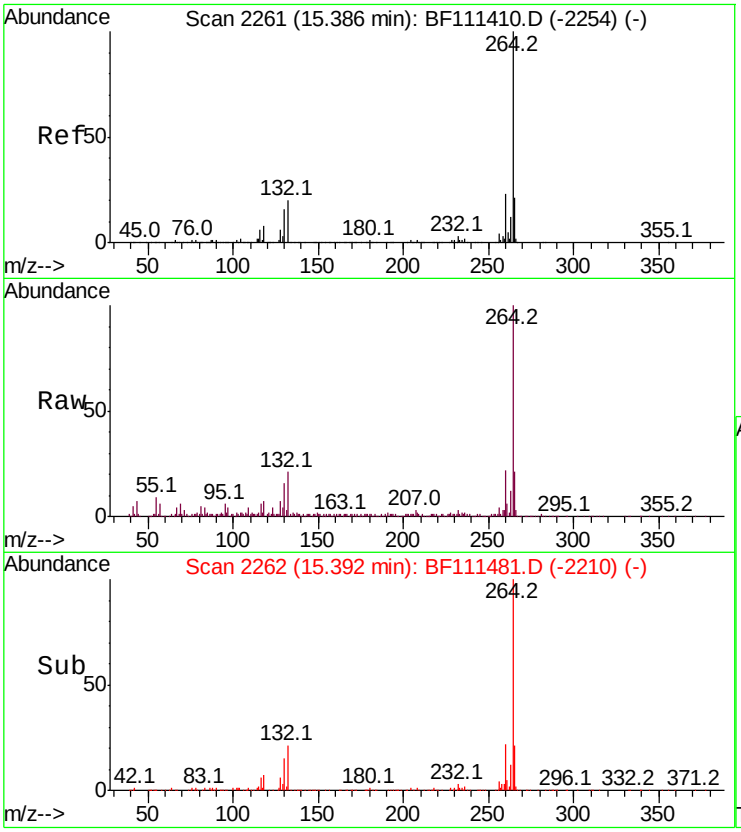


#83
Chrysene
Concen: 3.772 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF111481.D
Acq: 15 Dec 2018 21:02

Tgt Ion:228 Resp: 60490

Ion	Ratio	Lower	Upper
228	100		
226	29.6	25.3	37.9
229	25.2	17.2	25.8

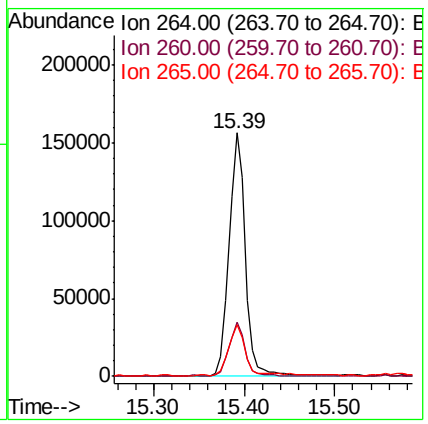




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.39 min Scan# 2262
Delta R.T. 0.01 min
Lab File: BF111481.D
Acq: 15 Dec 2018 21:02

Tgt Ion:264 Resp: 197523

Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.3	27.5
265	21.3	17.7	26.5



Instrument :
BNA_F
ClientSampleId :
NR38-C1-110718

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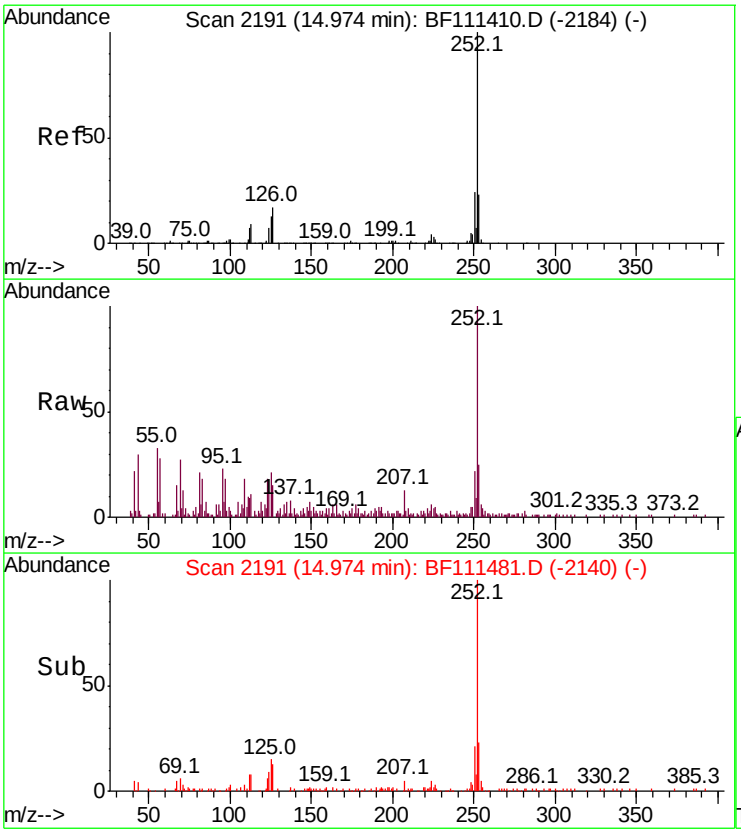
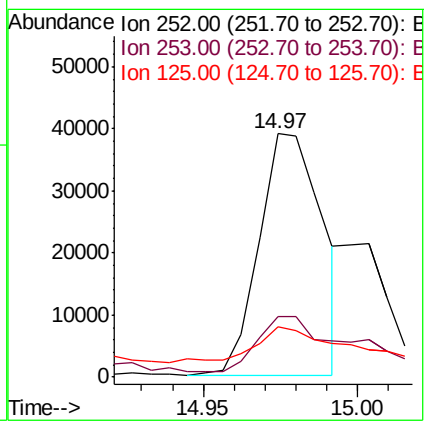
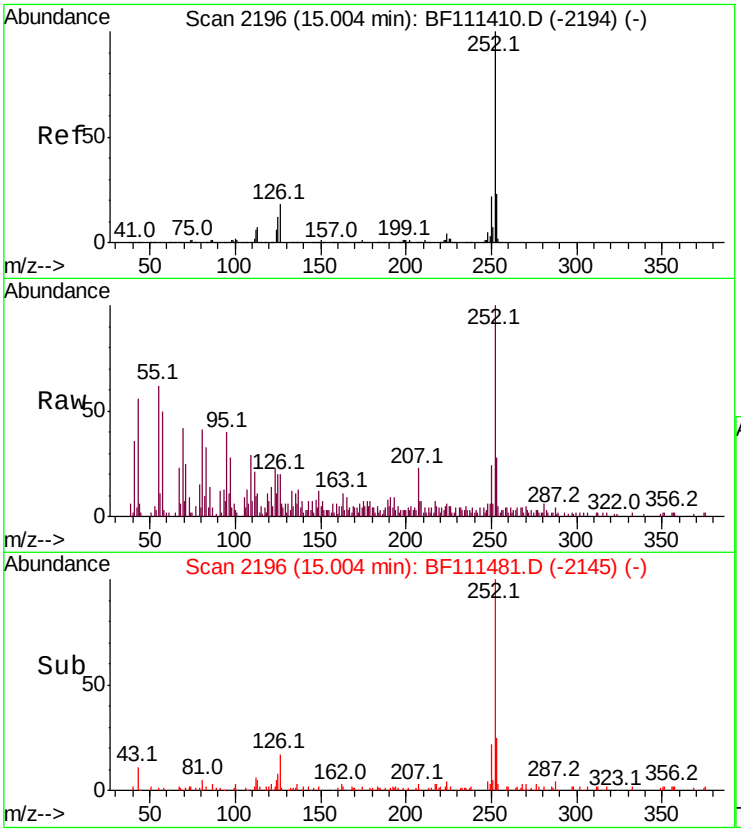


#88
Benzo(b)fluoranthene
Concen: 4.840 ng m
RT: 14.97 min Scan# 2191
Delta R.T. -0.00 min
Lab File: BF111481.D
Acq: 15 Dec 2018 21:02

Tgt Ion:252 Resp: 55736

Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.2	27.2
125	20.7	10.4	15.6#





#89
Benzo(k)fluoranthene
Concen: 2.038 ng m
RT: 15.00 min Scan# 2196
Delta R.T. -0.00 min
Lab File: BF111481.D
Acq: 15 Dec 2018 21:02

Tgt Ion:252 Resp: 22425

Ion	Ratio	Lower	Upper
252	100		
253	28.2	18.1	27.1#
125	20.2	9.8	14.8#

Instrument :
BNA_F
ClientSampleId :
NR38-C1-110718

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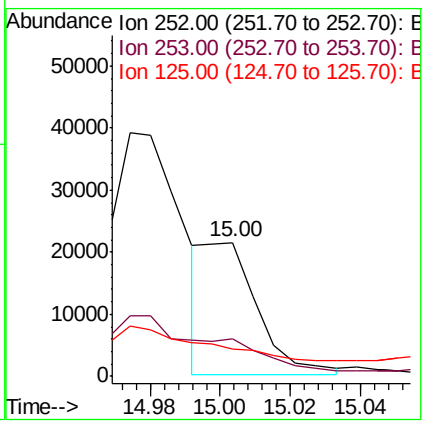
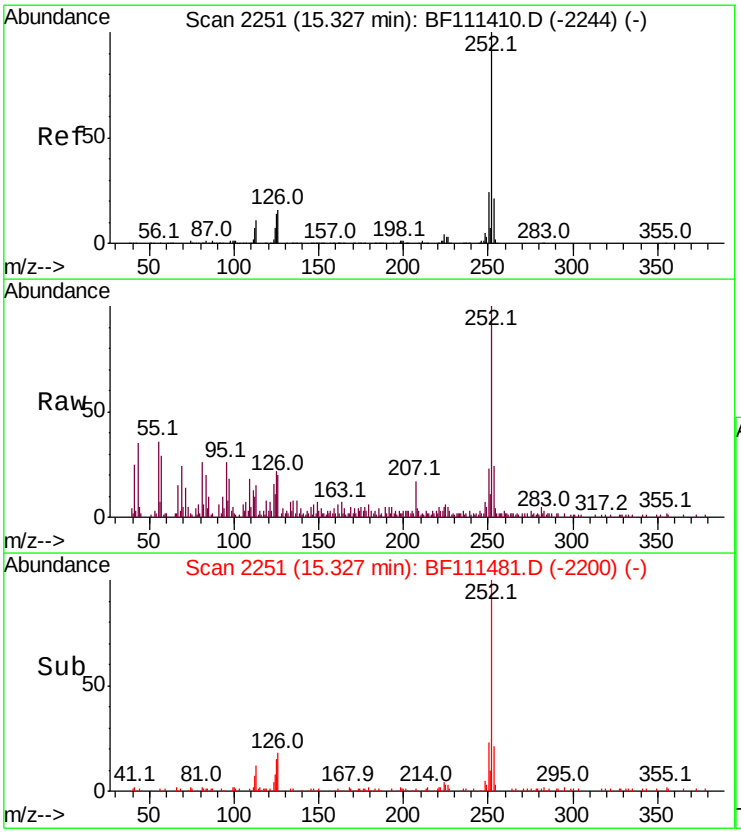
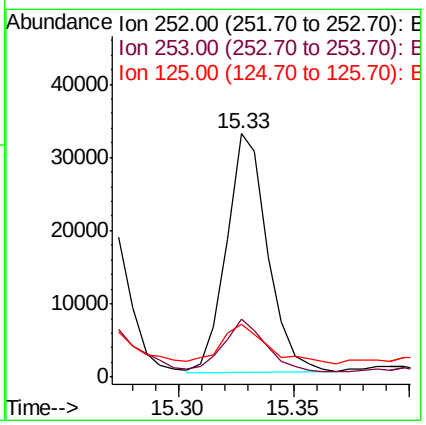


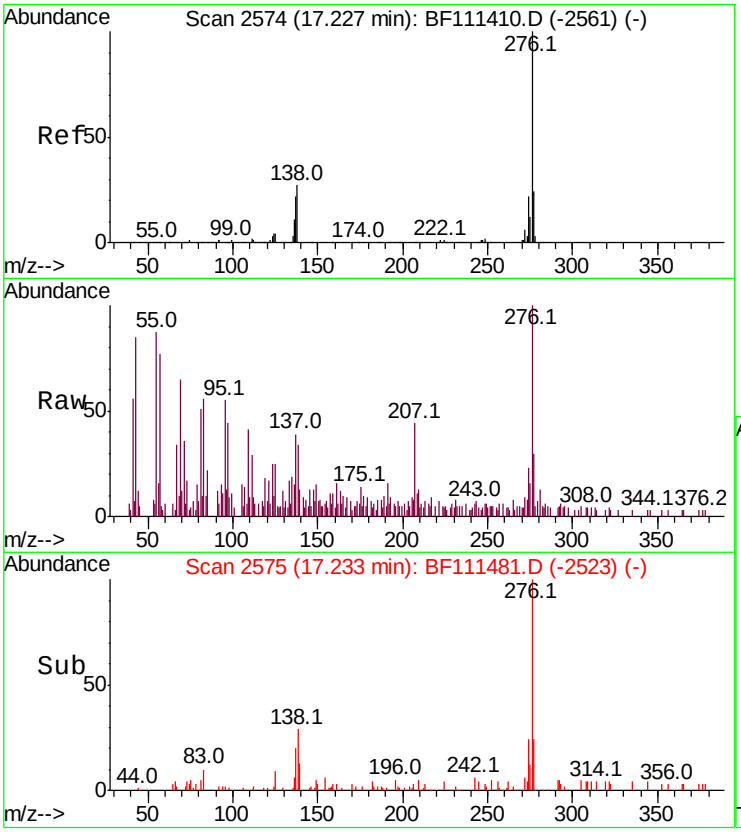


#90
Benzo(a)pyrene
Concen: 3.886 ng
RT: 15.33 min Scan# 2251
Delta R.T. -0.00 min
Lab File: BF111481.D
Acq: 15 Dec 2018 21:02

Tgt Ion:252 Resp: 40358

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.8	26.8
125	21.9	12.3	18.5#

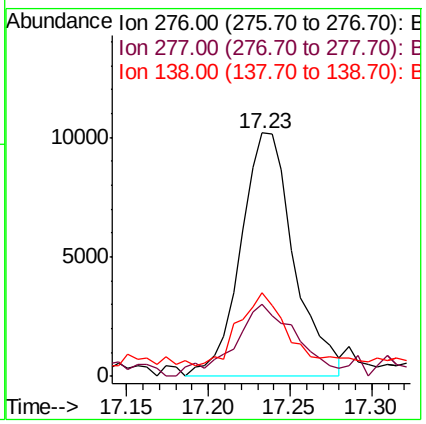




#92
Benzo(g,h,i)perylene
Concen: 2.875 ng m
RT: 17.23 min Scan# 2575
Delta R.T. 0.01 min
Lab File: BF111481.D
Acq: 15 Dec 2018 21:02

Tgt Ion:276 Resp: 23120

Ion	Ratio	Lower	Upper
276	100		
277	29.8	19.2	28.8#
138	34.3	24.9	37.3



Instrument :
BNA_F
ClientSampleId :
NR38-C1-110718

Manual Integrations APPROVED
Sohil
12/17/2018 3:12:24 PM