Quantitation Report (LSC Reviewed)

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF110618\
Data File : BF110532.D
Acq On : 6 Nov 2018 23:01
Operator : JU/SJ
Sample : J5764-09 2X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : JC-03-110218-E

Manual Integrations APPROVED
Sohil
11/7/2018 2:54:44 PM

Quant Time: Nov 07 12:52:38 2018
Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF102318.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 01 16:06:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	87646	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	332396	20.00	ng	0.00
39) Acenaphthene-d10	10.00	164	129085	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	211328	20.00	ng	0.00
76) Chrysene-d12	14.14	240	152629	20.00	ng	0.00
87) Perylene-d12	15.67	264	108227	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.57	112	170217	31.63	ng	0.00
7) Phenol-d6	6.57	99	221808	32.22	ng	0.00
23) Nitrobenzene-d5	7.52	82	122283	21.82	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	35724	27.94	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	217428	26.45	ng	0.00
79) Terphenyl-d14	13.07	244	171892	23.42	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.59	94	16672	2.266	ng	# 76
50) Dimethylphthalate	9.70	163	35227	3.697	ng	99
71) Phenanthrene	11.52	178	79552	7.194	ng	100
75) Fluoranthene	12.71	202	119323	10.633	ng	98
78) Pyrene	12.94	202	117728	10.759	ng	98
81) Benzo(a)anthracene	14.13	228	46041	5.087	ng	95
83) Chrysene	14.16	228	41092	4.780	ng	98
86) Indeno(1,2,3-cd)pyrene	17.24	276	15839	2.221	ng	98
88) Benzo(b)fluoranthene	15.21	252	43917m	7.027	ng	
89) Benzo(k)fluoranthene	15.24	252	13474m	2.193	ng	
90) Benzo(a)pyrene	15.60	252	30209	5.253	ng	# 91
92) Benzo(g,h,i)perylene	17.72	276	16938	3.464	ng	# 89

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

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Instrument :
BNA_F
ClientSampleId :
JC-03-110218-E

Manual Integrations APPROVED
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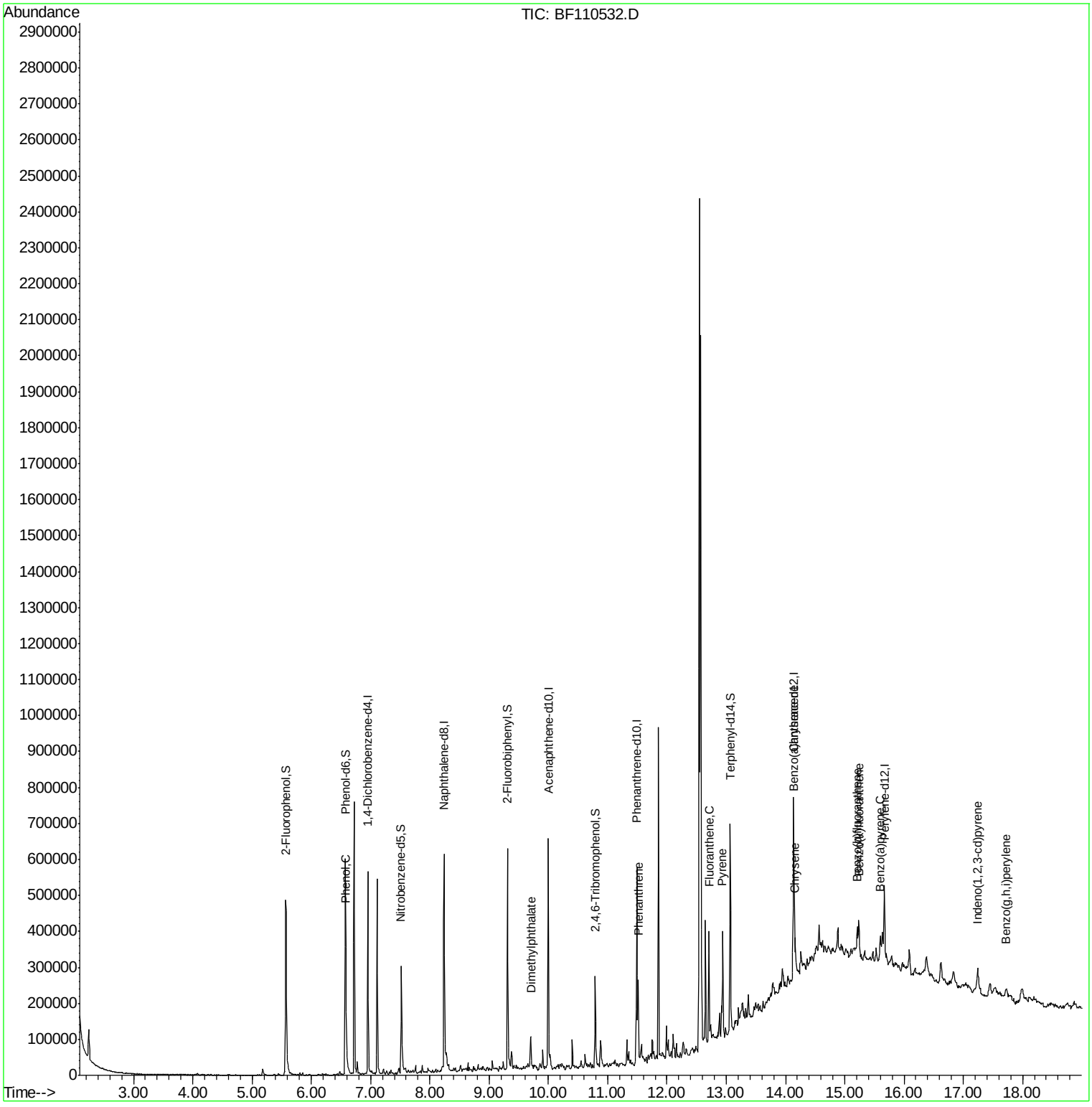
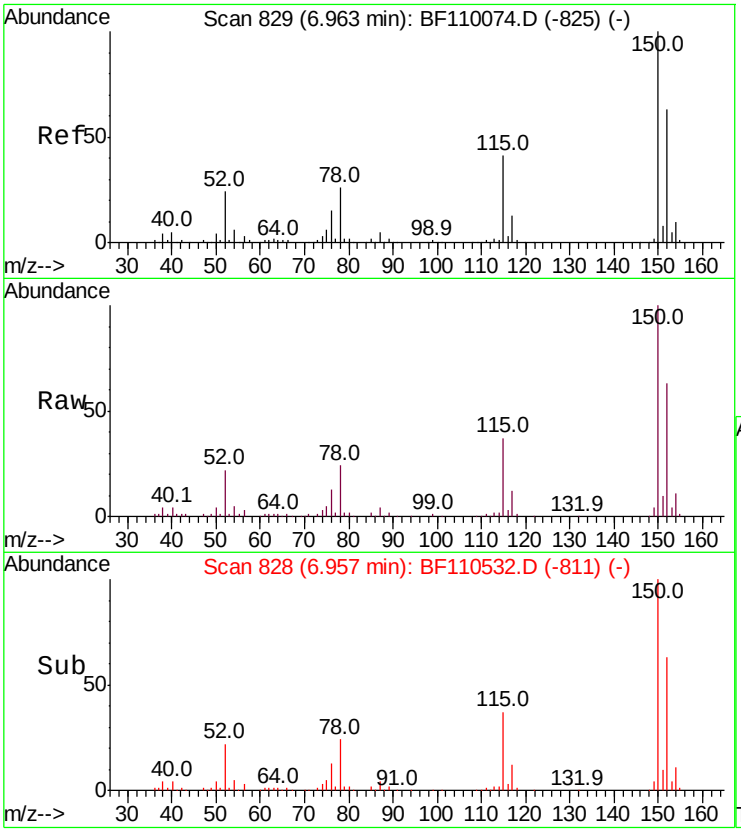
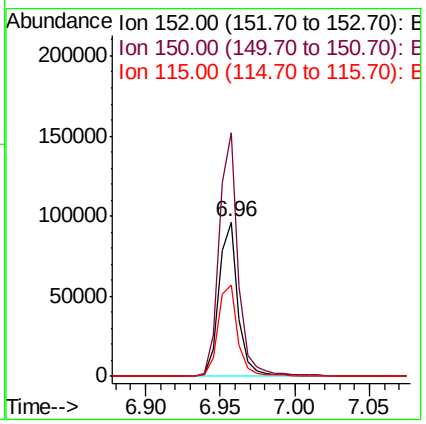




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.00 min
Lab File: BF110532.D
Acq: 6 Nov 2018 23:01

Tgt Ion:152 Resp: 87646

Ion	Ratio	Lower	Upper
152	100		
150	157.7	122.7	184.1
115	58.9	49.1	73.7



Instrument :
BNA_F
ClientSampleId :
JC-03-110218-E

Manual Integrations APPROVED
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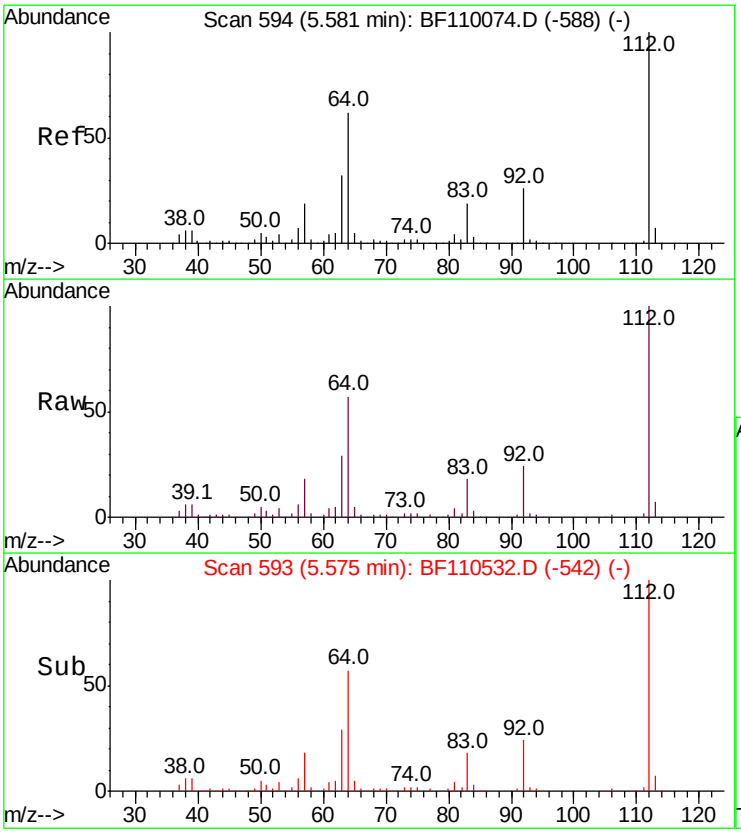
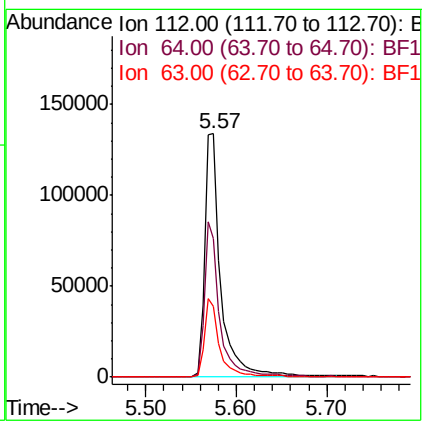
11/7/2018 2:54:44 PM

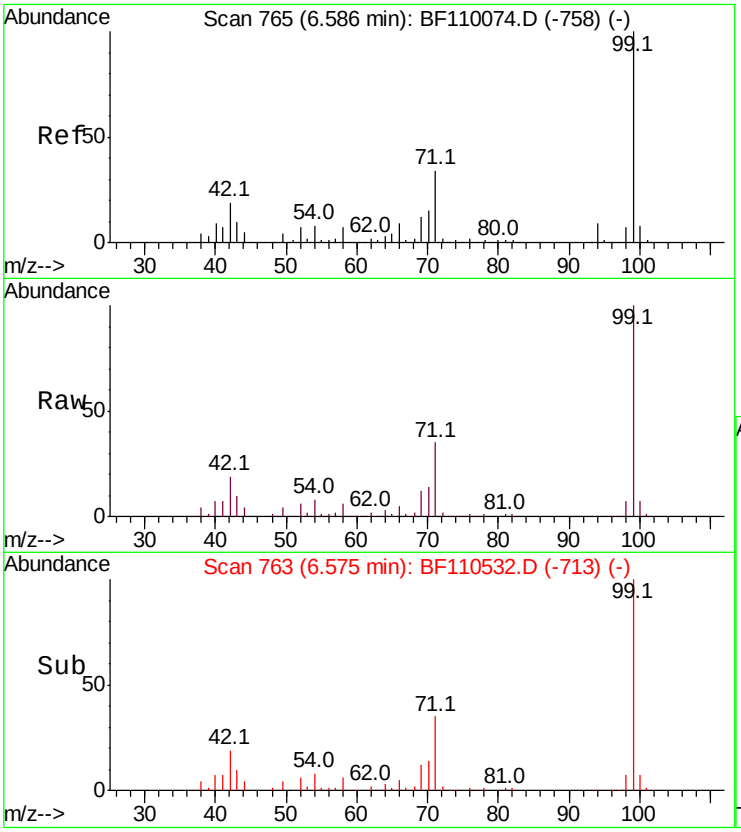


#5
2-Fluorophenol
Concen: 31.626 ng
RT: 5.57 min Scan# 593
Delta R.T. 0.00 min
Lab File: BF110532.D
Acq: 6 Nov 2018 23:01

Tgt Ion:112 Resp: 170217

Ion	Ratio	Lower	Upper
112	100		
64	56.8	44.1	66.1
63	29.3	23.7	35.5

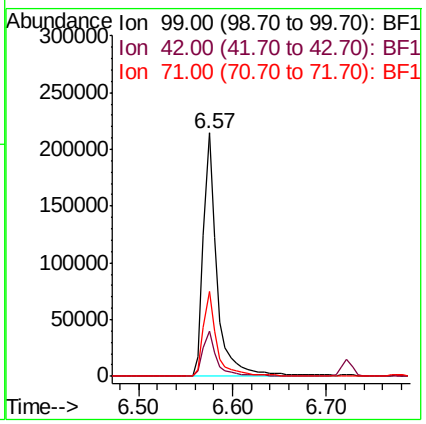




#7
Phenol-d6
Concen: 32.220 ng
RT: 6.57 min Scan# 763
Delta R.T. -0.01 min
Lab File: BF110532.D
Acq: 6 Nov 2018 23:01

Tgt Ion: 99 Resp: 221808

Ion	Ratio	Lower	Upper
99	100		
42	18.7	15.8	23.6
71	34.7	28.0	42.0



Instrument :
BNA_F
ClientSampleId :
JC-03-110218-E

Manual Integrations APPROVED
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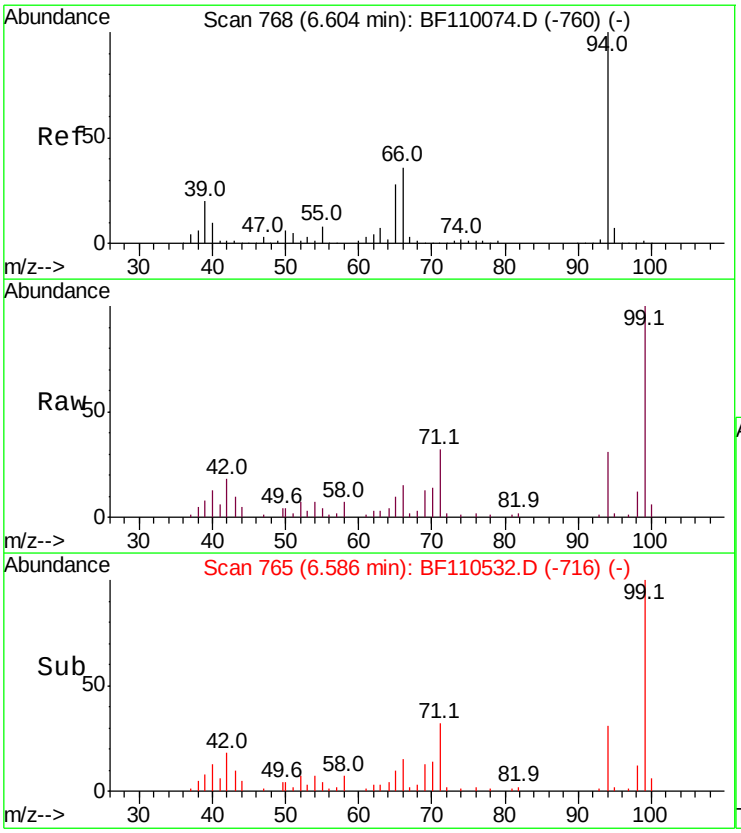
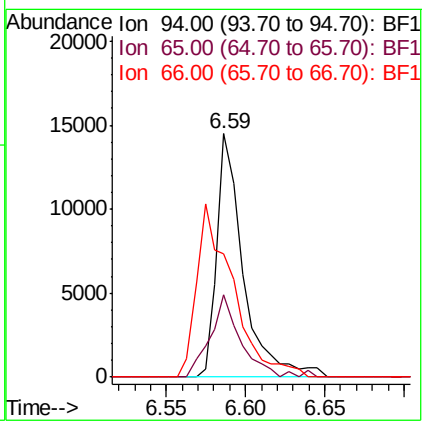
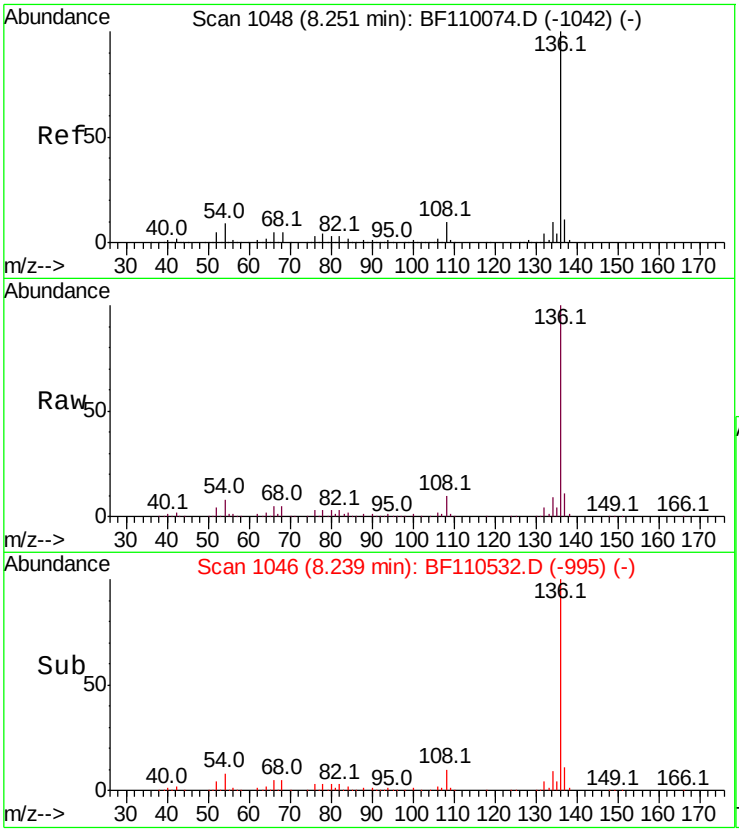


#10
Phenol
Concen: 2.266 ng
RT: 6.59 min Scan# 765
Delta R.T. -0.01 min
Lab File: BF110532.D
Acq: 6 Nov 2018 23:01

Tgt Ion: 94 Resp: 16672

Ion	Ratio	Lower	Upper
94	100		
65	33.7	25.3	65.3
66	50.6	54.5	94.5#

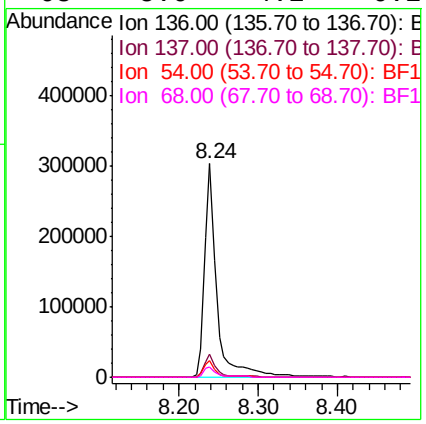




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1046
Delta R.T. 0.00 min
Lab File: BF110532.D
Acq: 6 Nov 2018 23:01

Tgt Ion:136 Resp: 332396

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	7.9	5.4	8.2
68	5.0	4.2	6.2



Instrument :
BNA_F
ClientSampleId :
JC-03-110218-E

Manual Integrations APPROVED
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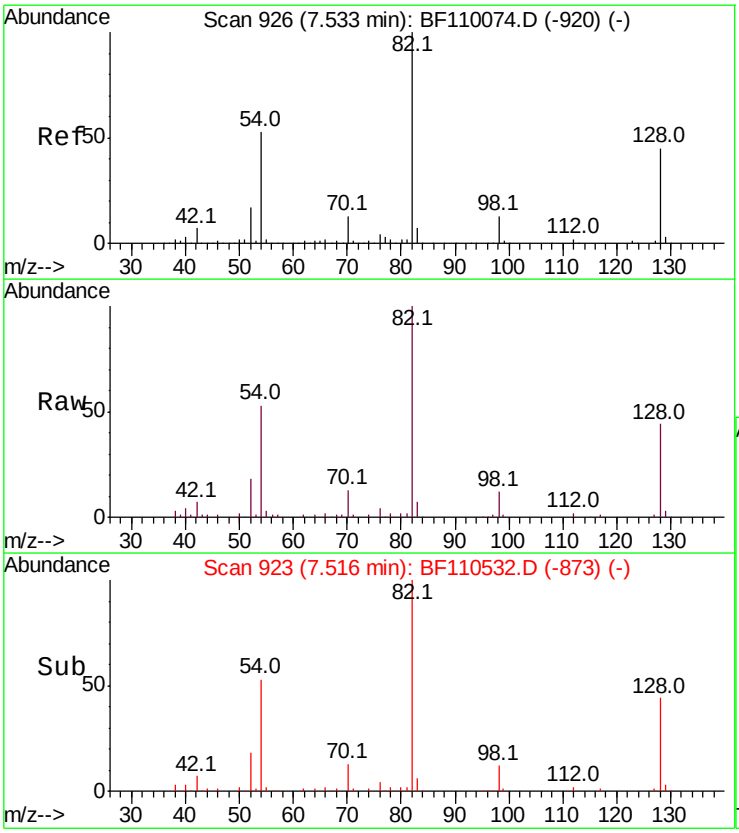
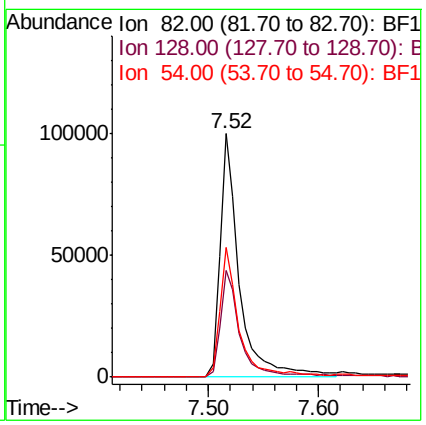
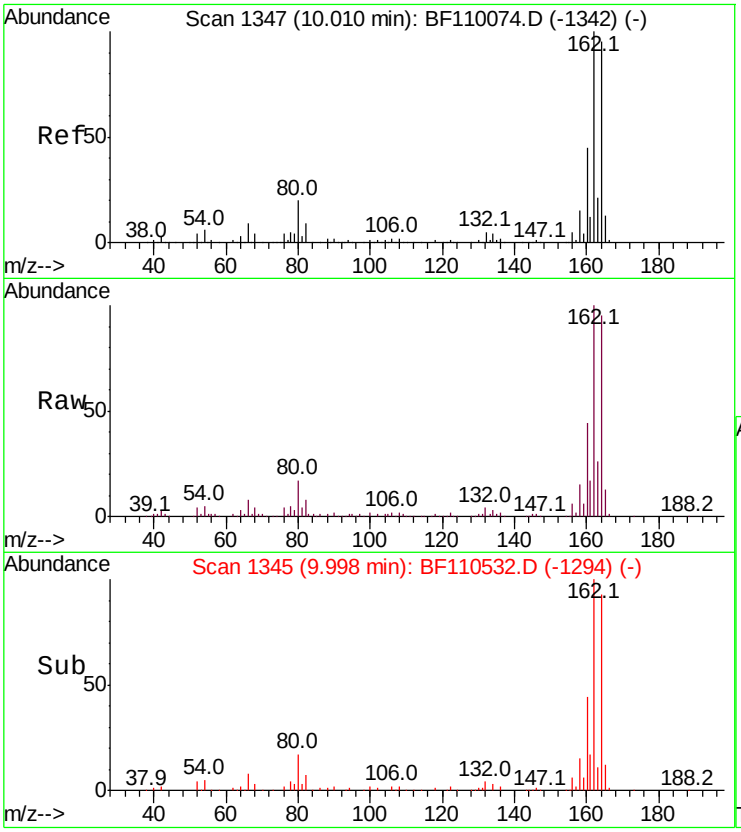


#23
Nitrobenzene-d5
Concen: 21.820 ng
RT: 7.52 min Scan# 923
Delta R.T. -0.01 min
Lab File: BF110532.D
Acq: 6 Nov 2018 23:01

Tgt Ion: 82 Resp: 122283

Ion	Ratio	Lower	Upper
82	100		
128	43.9	34.2	51.2
54	53.1	38.6	58.0

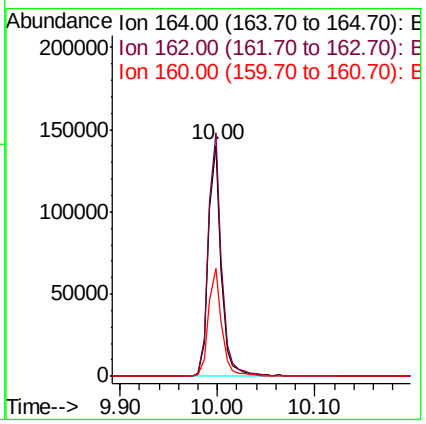




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1345
Delta R.T. -0.00 min
Lab File: BF110532.D
Acq: 6 Nov 2018 23:01

Tgt Ion:164 Resp: 129085

Ion	Ratio	Lower	Upper
164	100		
162	105.5	83.0	124.6
160	46.6	37.0	55.6



Instrument :
BNA_F
ClientSampleId :
JC-03-110218-E

Manual Integrations APPROVED
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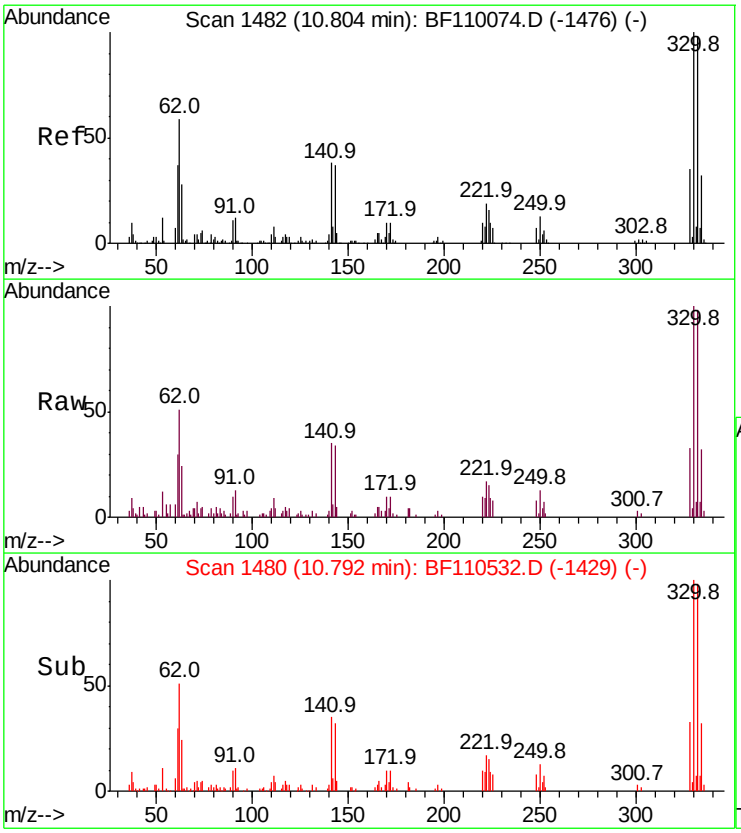
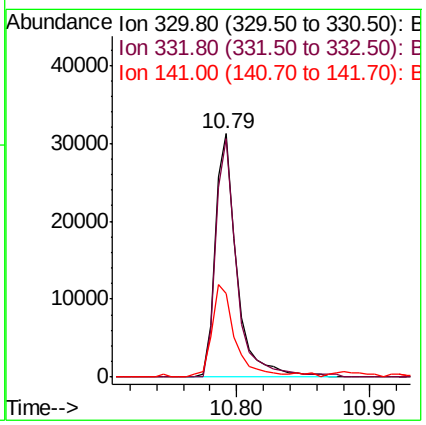
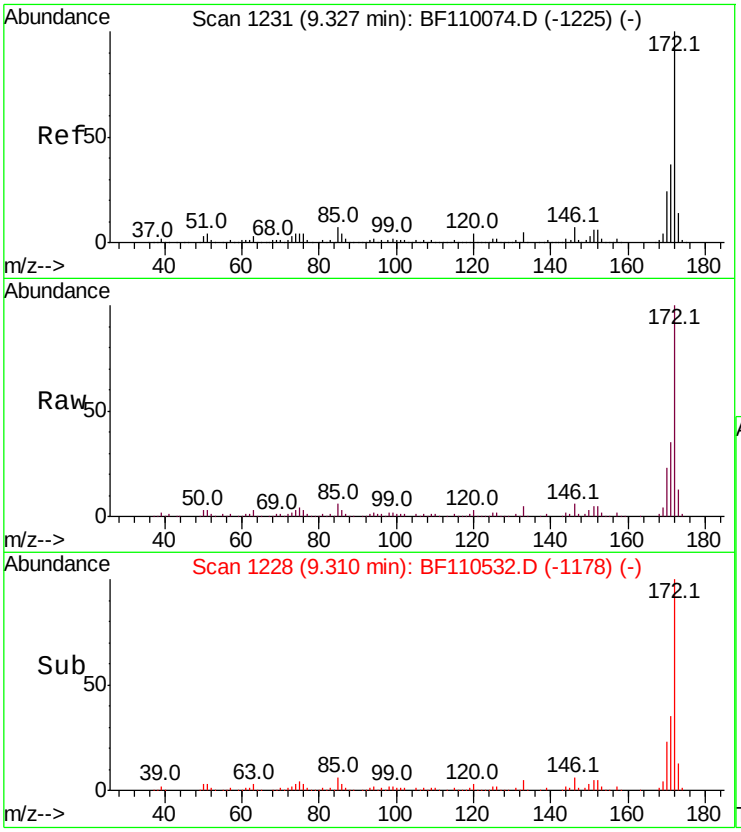


#42
2,4,6-Tribromophenol
Concen: 27.938 ng
RT: 10.79 min Scan# 1480
Delta R.T. -0.00 min
Lab File: BF110532.D
Acq: 6 Nov 2018 23:01

Tgt Ion:330 Resp: 35724

Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.1	115.7
141	40.8	27.0	40.4#

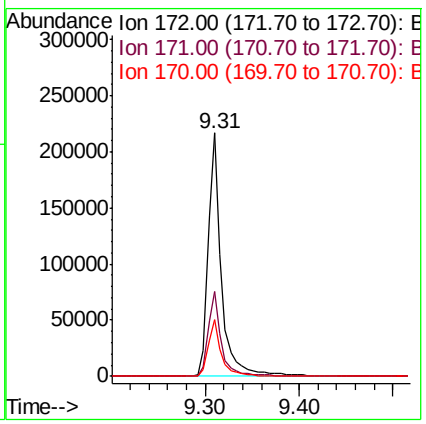




#45
2-Fluorobiphenyl
Concen: 26.449 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BF110532.D
Acq: 6 Nov 2018 23:01

Tgt Ion:172 Resp: 217428

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.6	43.0
170	23.2	19.7	29.5



Instrument :
BNA_F
ClientSampleId :
JC-03-110218-E

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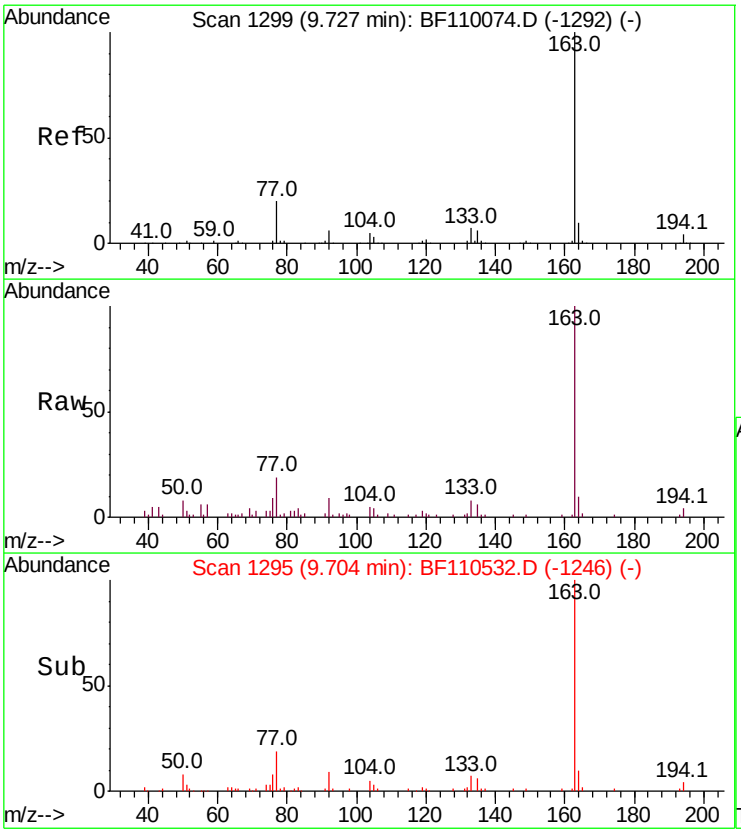
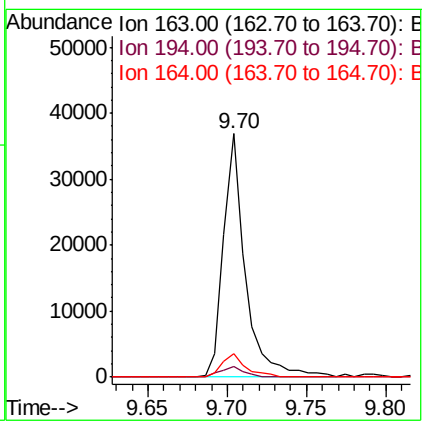
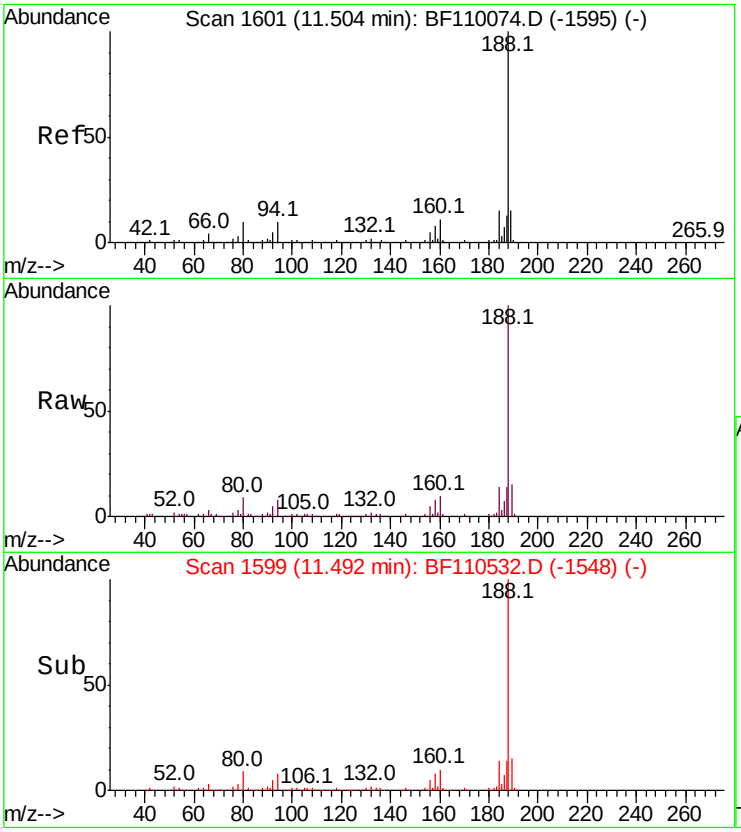


#50
Dimethylphthalate
Concen: 3.697 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF110532.D
Acq: 6 Nov 2018 23:01

Tgt Ion:163 Resp: 35227

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.2	4.8
164	9.5	8.1	12.1

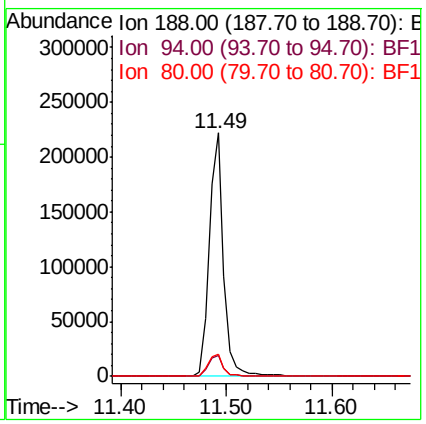




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1599
Delta R.T. -0.00 min
Lab File: BF110532.D
Acq: 6 Nov 2018 23:01

Tgt Ion:188 Resp: 211328

Ion	Ratio	Lower	Upper
188	100		
94	8.4	7.2	10.8
80	9.3	7.9	11.9



Instrument :
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ClientSampleId :
JC-03-110218-E

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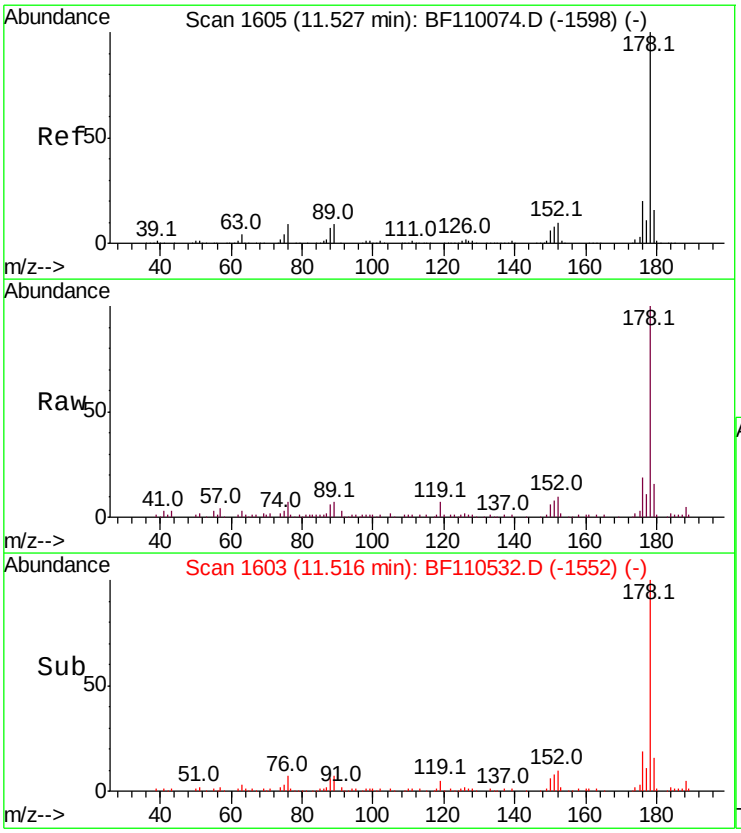
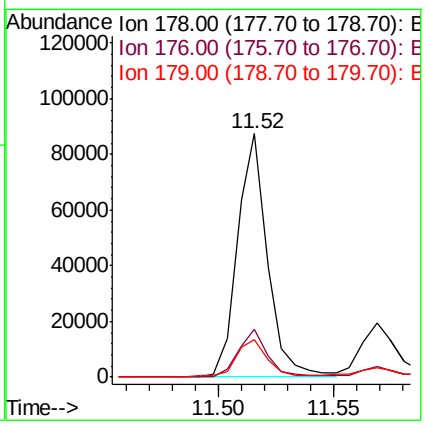
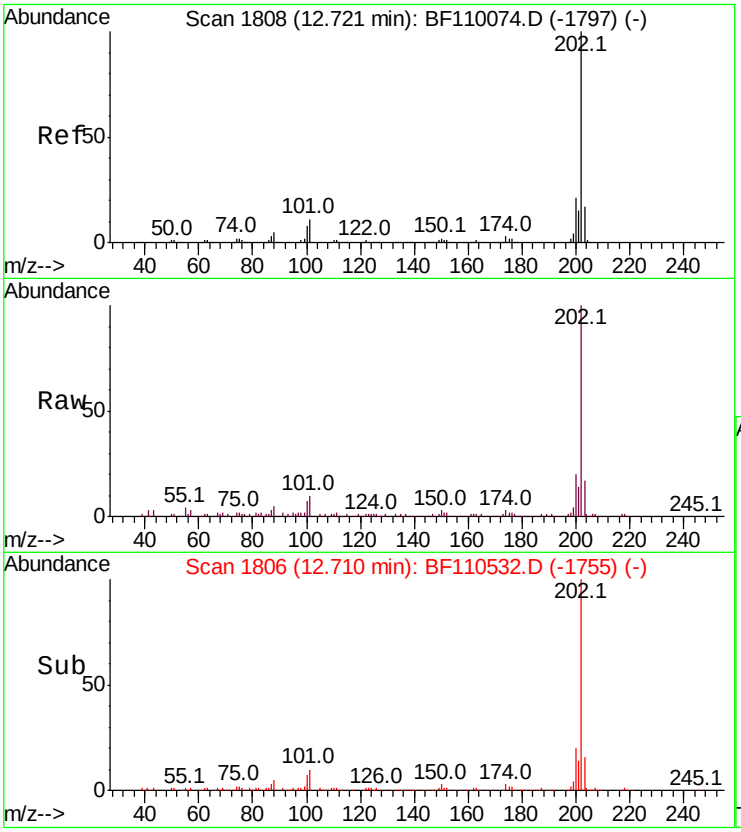


#71
Phenanthrene
Concen: 7.194 ng
RT: 11.52 min Scan# 1603
Delta R.T. -0.00 min
Lab File: BF110532.D
Acq: 6 Nov 2018 23:01

Tgt Ion:178 Resp: 79552

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.6	12.5	18.7

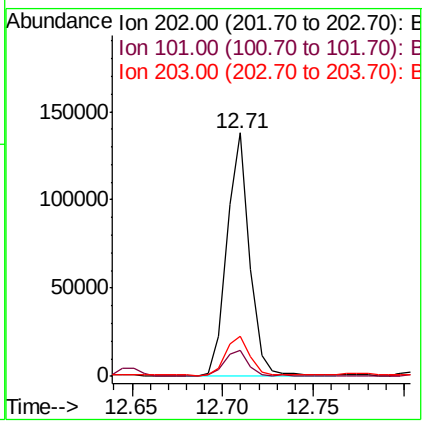




#75
Fluoranthene
Concen: 10.633 ng
RT: 12.71 min Scan# 1806
Delta R.T. 0.00 min
Lab File: BF110532.D
Acq: 6 Nov 2018 23:01

Tgt Ion:202 Resp: 119323

Ion	Ratio	Lower	Upper
202	100		
101	10.5	0.0	31.4
203	16.7	0.0	37.7



Instrument :
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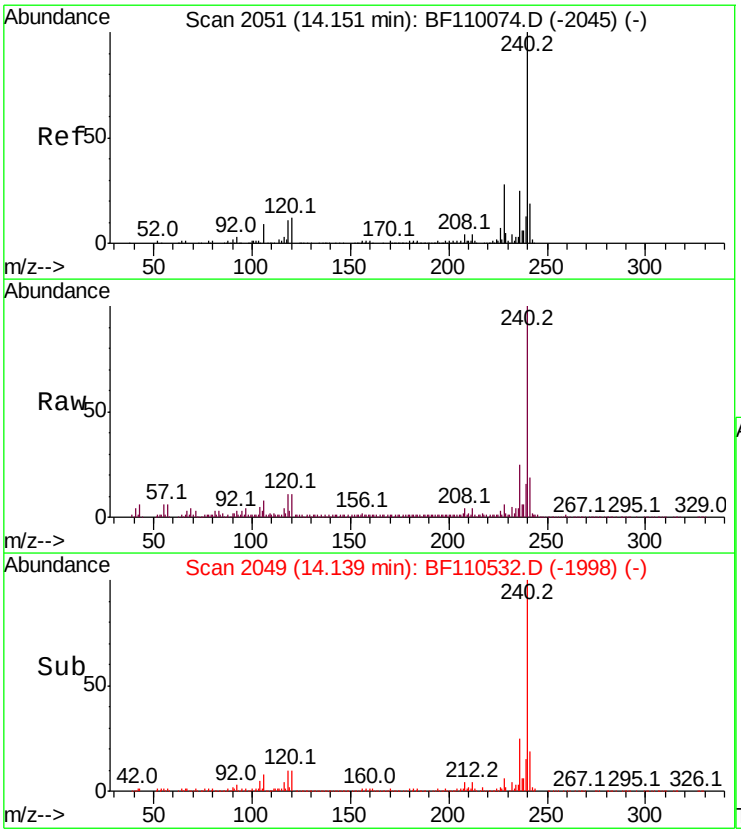
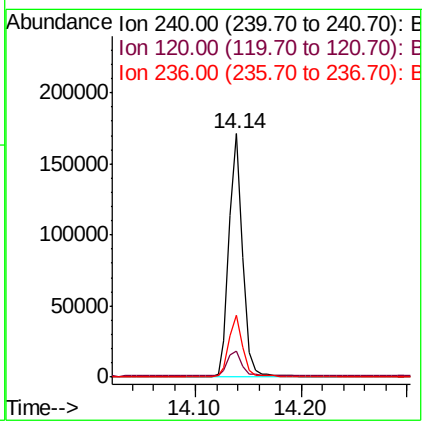
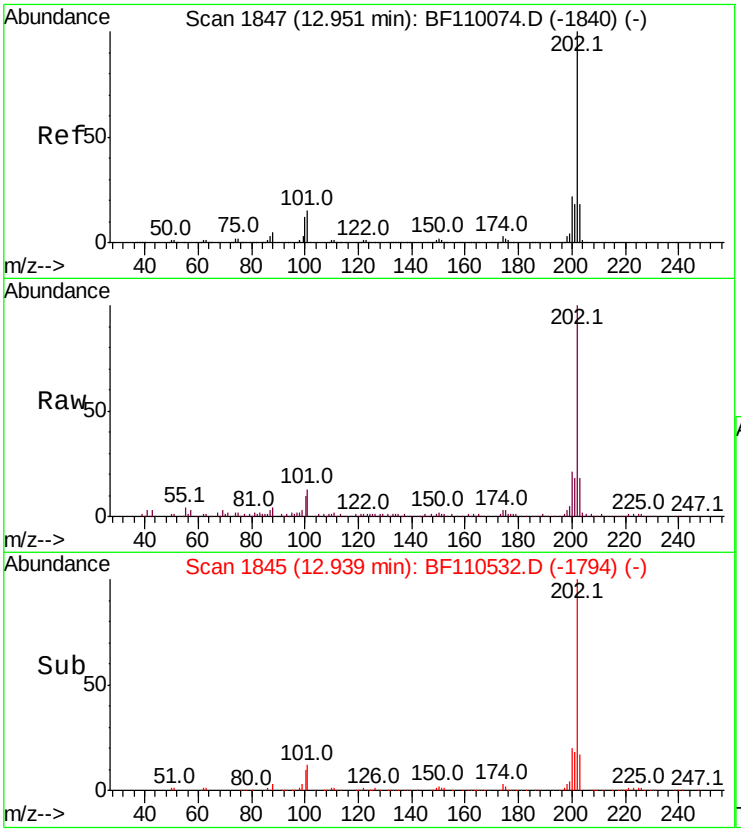


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.14 min Scan# 2049
Delta R.T. 0.00 min
Lab File: BF110532.D
Acq: 6 Nov 2018 23:01

Tgt Ion:240 Resp: 152629

Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.3	12.5
236	25.2	21.2	31.8

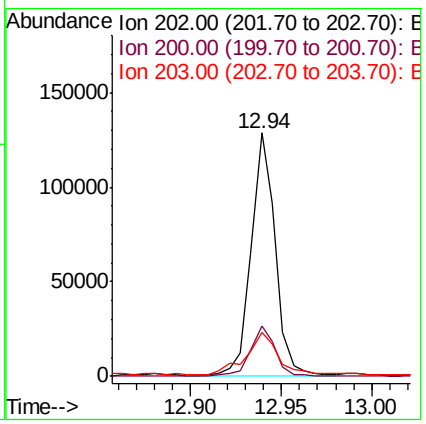




#78
Pyrene
Concen: 10.759 ng
RT: 12.94 min Scan# 1845
Delta R.T. -0.00 min
Lab File: BF110532.D
Acq: 6 Nov 2018 23:01

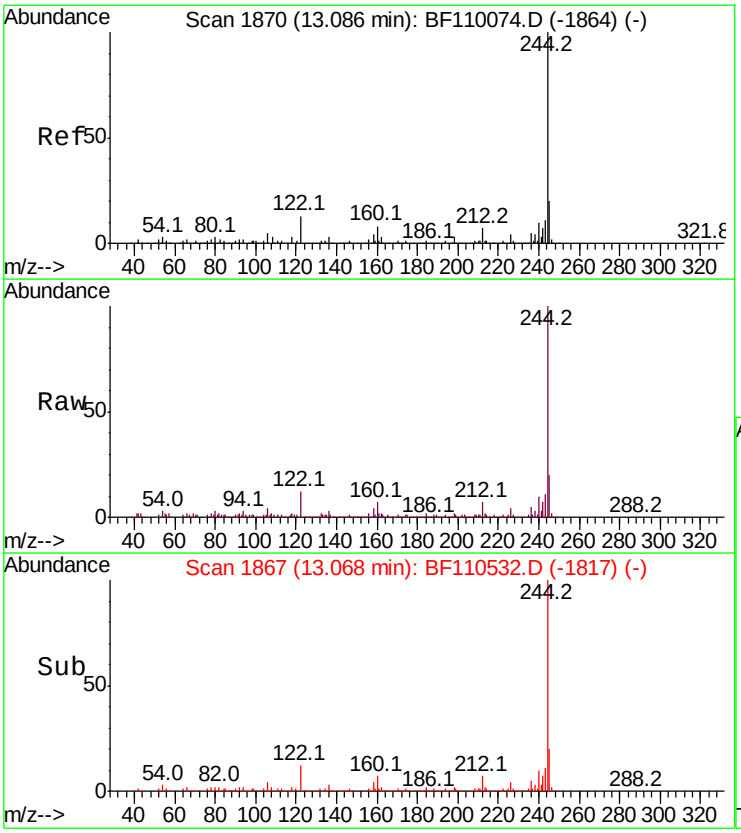
Tgt Ion:202 Resp: 117728

Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.8	26.6
203	18.0	14.2	21.4



Instrument :
BNA_F
ClientSampleId :
JC-03-110218-E

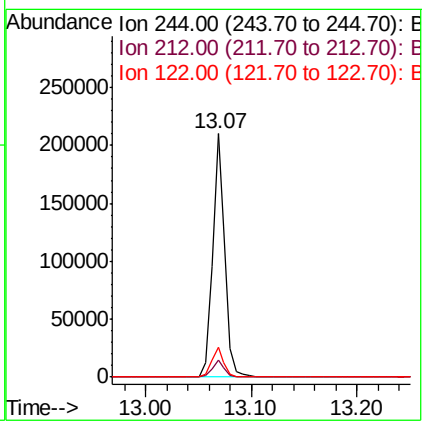
Manual Integrations APPROVED
Sohil
11/7/2018 2:54:44 PM

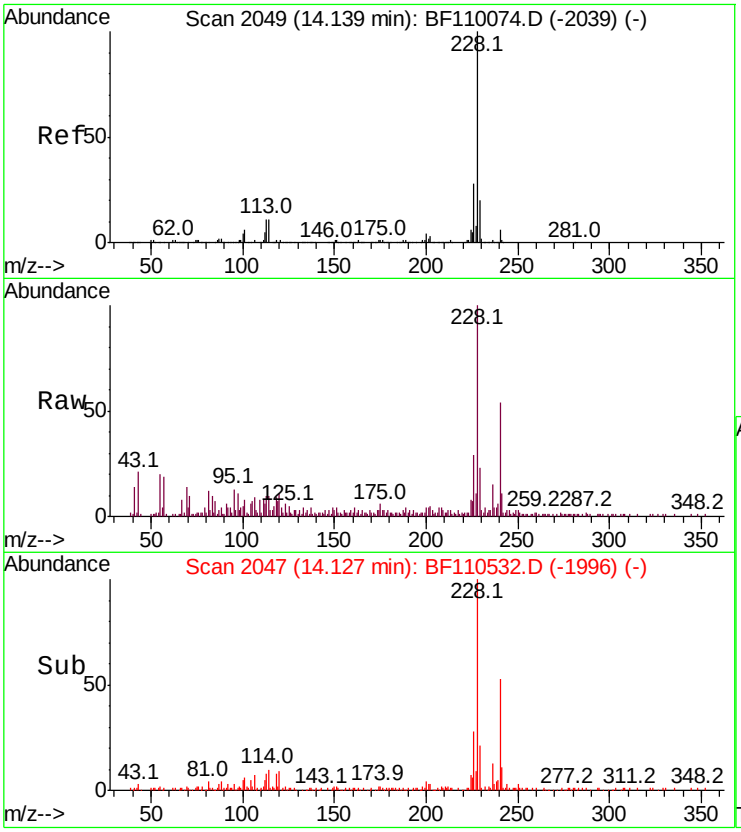


#79
Terphenyl-d14
Concen: 23.422 ng
RT: 13.07 min Scan# 1867
Delta R.T. -0.01 min
Lab File: BF110532.D
Acq: 6 Nov 2018 23:01

Tgt Ion:244 Resp: 171892

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.8	8.8
122	12.1	8.7	13.1

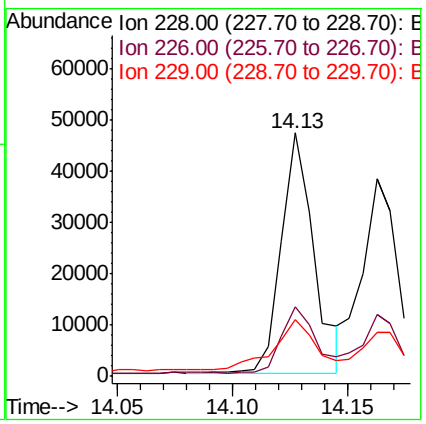




#81
Benzo(a)anthracene
Concen: 5.087 ng
RT: 14.13 min Scan# 2047
Delta R.T. -0.00 min
Lab File: BF110532.D
Acq: 6 Nov 2018 23:01

Tgt Ion:228 Resp: 46041

Ion	Ratio	Lower	Upper
228	100		
226	28.7	22.1	33.1
229	23.4	15.6	23.4



Instrument :
BNA_F
ClientSampleId :
JC-03-110218-E

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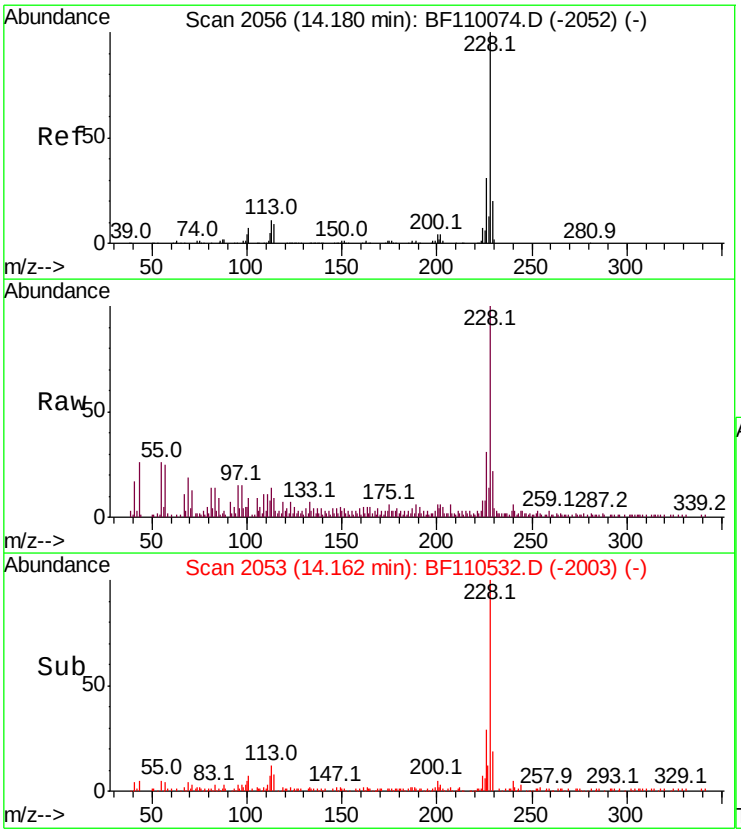
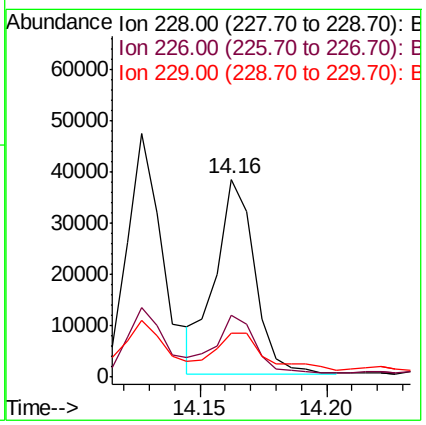
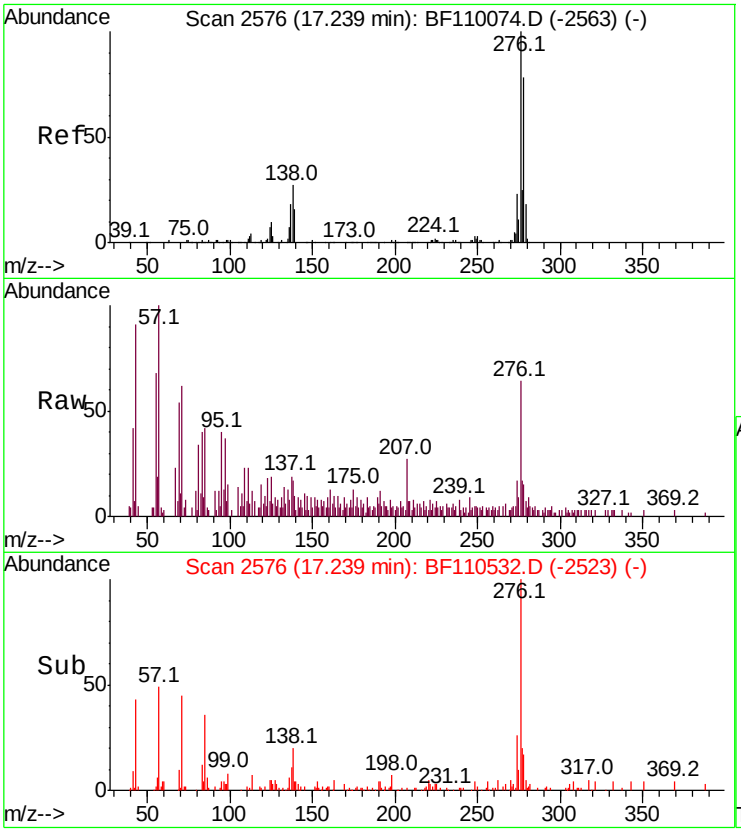


#83
Chrysene
Concen: 4.780 ng
RT: 14.16 min Scan# 2053
Delta R.T. -0.01 min
Lab File: BF110532.D
Acq: 6 Nov 2018 23:01

Tgt Ion:228 Resp: 41092

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.7	37.1
229	22.5	15.9	23.9





#86
Indeno(1,2,3-cd)pyrene
Concen: 2.221 ng
RT: 17.24 min Scan# 2576
Delta R.T. 0.01 min
Lab File: BF110532.D
Acq: 6 Nov 2018 23:01

Tgt Ion:276 Resp: 15839

Ion	Ratio	Lower	Upper
276	100		
138	24.7	18.5	27.7
277	25.4	20.0	30.0

Instrument :
BNA_F
ClientSampleId :
JC-03-110218-E

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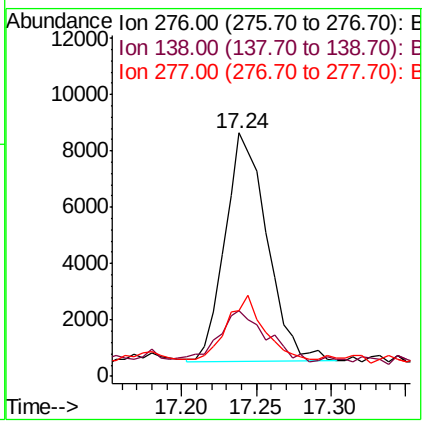
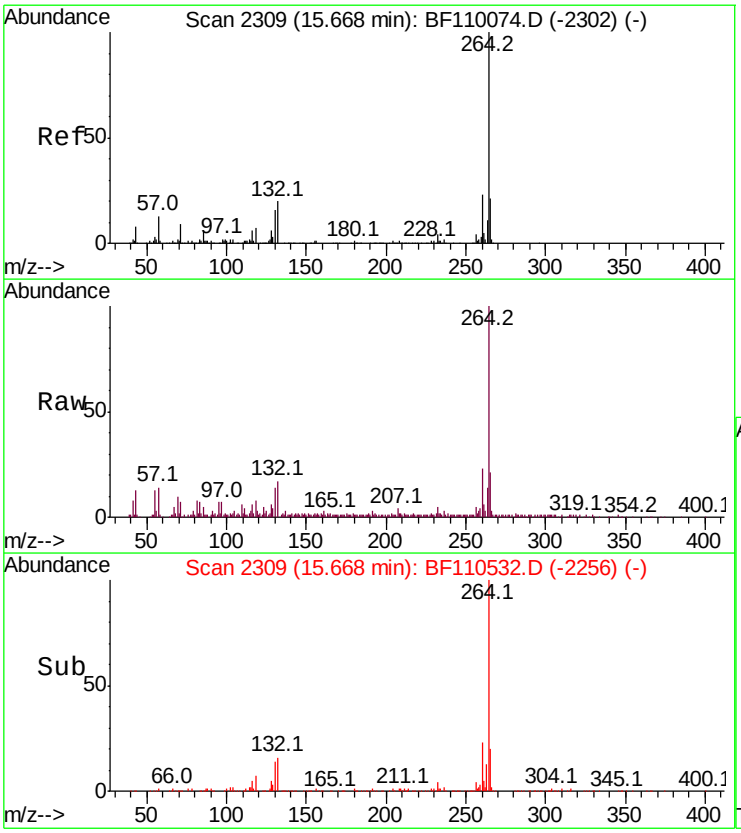
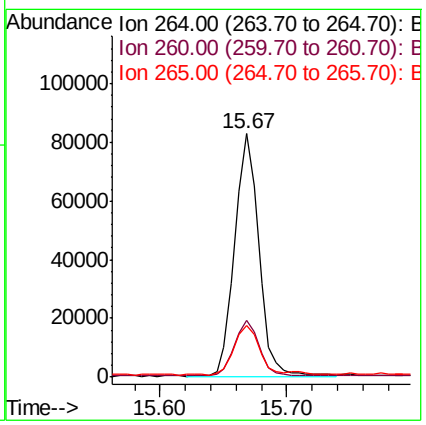


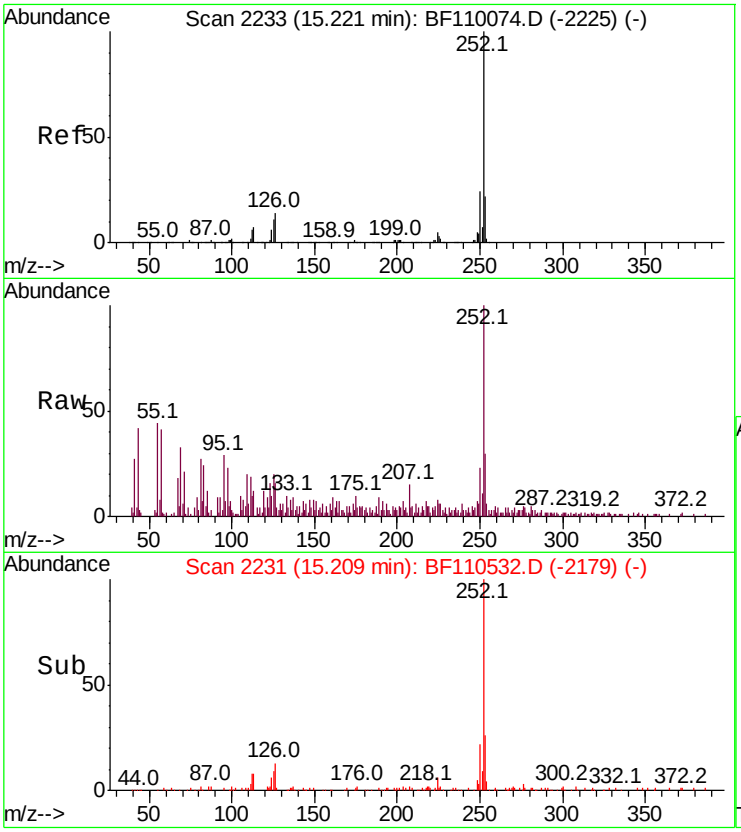


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.67 min Scan# 2309
Delta R.T. 0.01 min
Lab File: BF110532.D
Acq: 6 Nov 2018 23:01

Tgt Ion:264 Resp: 108227

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.7	28.1
265	21.3	16.7	25.1





#88
Benzo(b)fluoranthene
Concen: 7.027 ng m
RT: 15.21 min Scan# 2231
Delta R.T. 0.01 min
Lab File: BF110532.D
Acq: 6 Nov 2018 23:01

Tgt Ion:252 Resp: 43917

Ion	Ratio	Lower	Upper
252	100		
253	30.3	17.2	25.8#
125	19.6	8.2	12.4#

Instrument :
BNA_F
ClientSampleId :
JC-03-110218-E

Manual Integrations APPROVED
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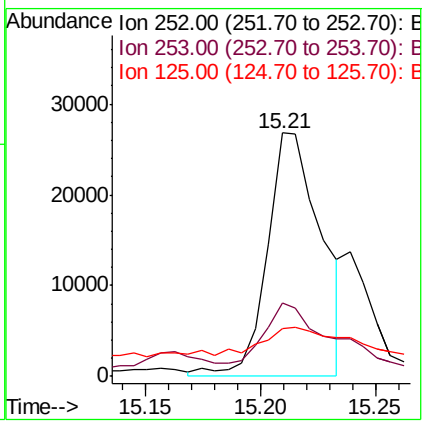
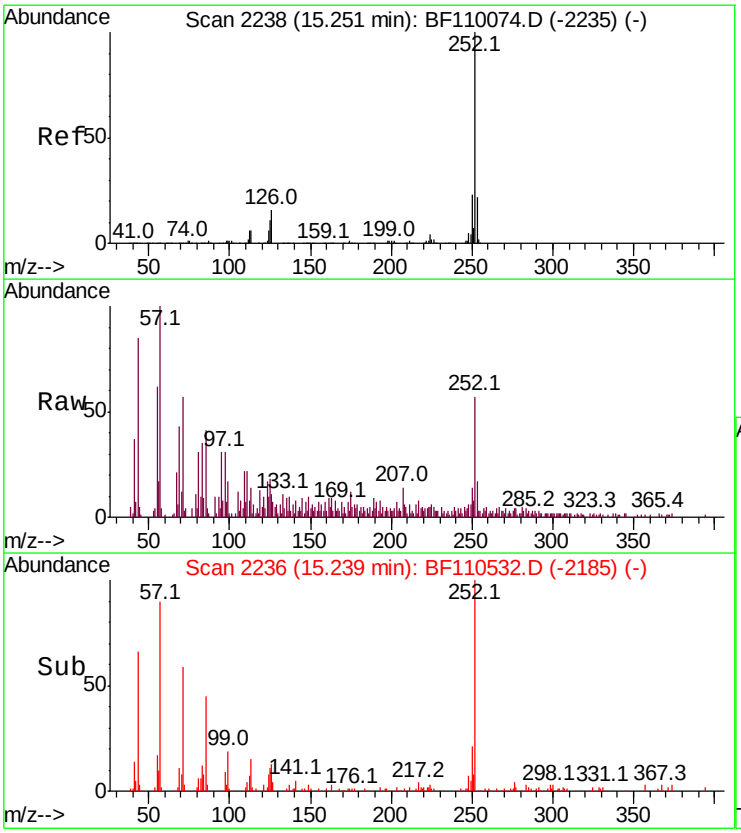
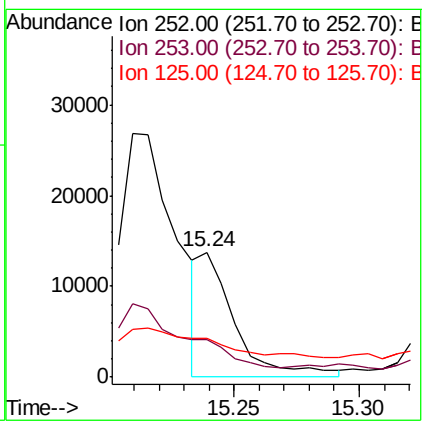


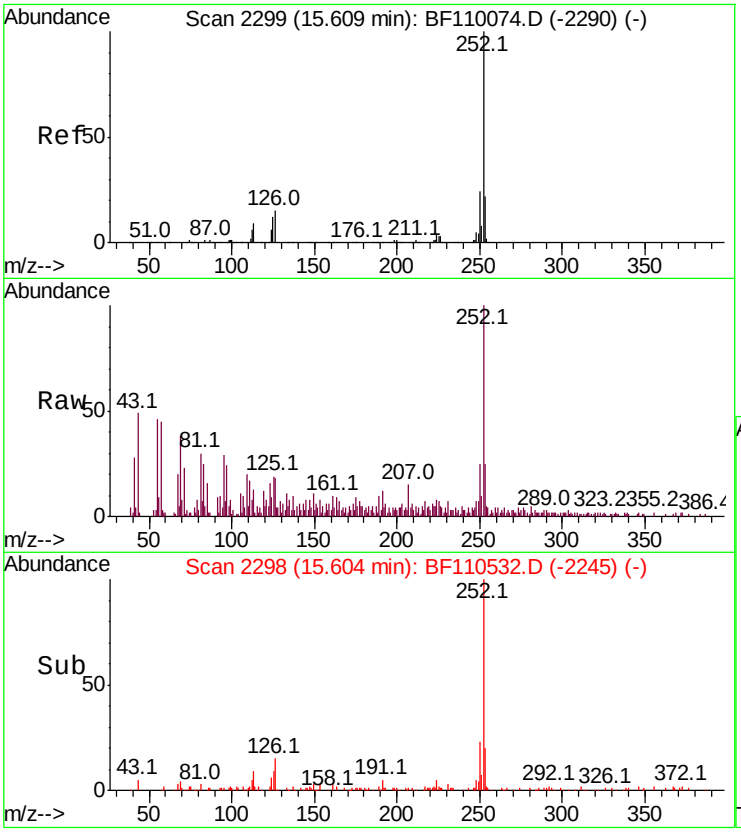


#89
Benzo(k)fluoranthene
Concen: 2.193 ng m
RT: 15.24 min Scan# 2236
Delta R.T. -0.00 min
Lab File: BF110532.D
Acq: 6 Nov 2018 23:01

Tgt Ion:252 Resp: 13474

Ion	Ratio	Lower	Upper
252	100		
253	29.7	17.2	25.8#
125	31.0	7.4	11.0#





#90
Benzo(a)pyrene
Concen: 5.253 ng
RT: 15.60 min Scan# 2298
Delta R.T. 0.01 min
Lab File: BF110532.D
Acq: 6 Nov 2018 23:01

Tgt Ion:252 Resp: 30209

Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.2	27.4
125	18.5	9.0	13.6#

Instrument :
BNA_F
ClientSampleId :
JC-03-110218-E

Manual Integrations APPROVED
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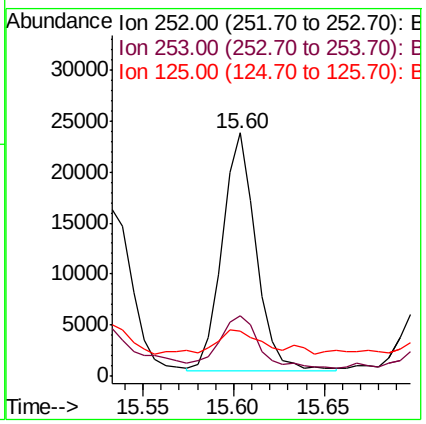

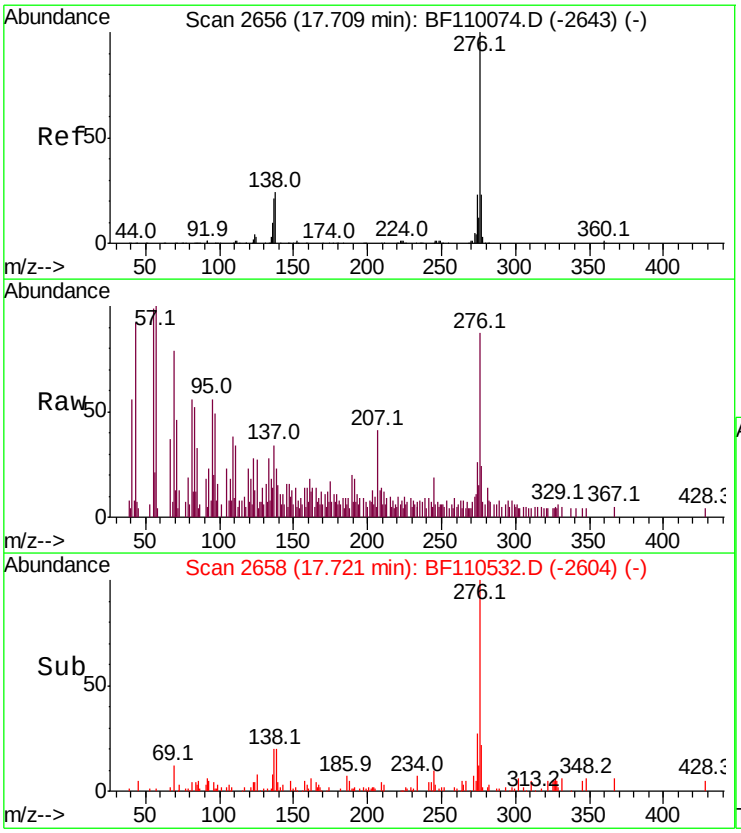

#92
Benzo(g,h,i)perylene
Concen: 3.464 ng
RT: 17.72 min Scan# 2658
Delta R.T. 0.02 min
Lab File: BF110532.D
Acq: 6 Nov 2018 23:01

Tgt Ion:276 Resp: 16938

Ion	Ratio	Lower	Upper
276	100		
277	28.2	18.8	28.2
138	26.1	16.0	24.0#