

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083018\
 Data File : BF108652.D
 Acq On : 30 Aug 2018 20:45
 Operator : JU/SJ
 Sample : J4282-17 5X
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-082918-B

Manual Integrations
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 8/31/2018 12:18:24 PM

Quant Time: Aug 31 09:58:20 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 30 15:06:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.01	152	60907	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	287822	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	136391	20.00	ng	0.00
63) Phenanthrene-d10	11.54	188	243930	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	242539	20.00	ng	-0.01
86) Perylene-d12	15.75	264	221458	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.79	112	27207m	7.76	ng	0.14
7) Phenol-d6	6.70	99	20713	4.12	ng	0.05
23) Nitrobenzene-d5	7.60	82	42160	7.44	ng	0.02
41) 2,4,6-Tribromophenol	10.84	330	16850	9.36	ng	0.00
44) 2-Fluorobiphenyl	9.35	172	92019	9.07	ng	0.00
78) Terphenyl-d14	13.12	244	96616	7.74	ng	-0.01
Target Compounds						
70) Phenanthrene	11.57	178	67101	5.450	ng	99
74) Fluoranthene	12.76	202	167939	12.118	ng	93
77) Pyrene	12.99	202	168442	9.239	ng	99
80) Benzo(a)anthracene	14.18	228	87677	5.930	ng	98
82) Chrysene	14.22	228	100550m	7.071	ng	
85) Indeno(1,2,3-cd)pyrene	17.37	276	34099m	3.449	ng	
87) Benzo(b)fluoranthene	15.28	252	108985m	8.011	ng	
88) Benzo(k)fluoranthene	15.31	252	44132m	3.275	ng	
89) Benzo(a)pyrene	15.68	252	77342	6.291	ng	97
91) Benzo(g,h,i)perylene	17.86	276	36778	3.854	ng	# 85

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

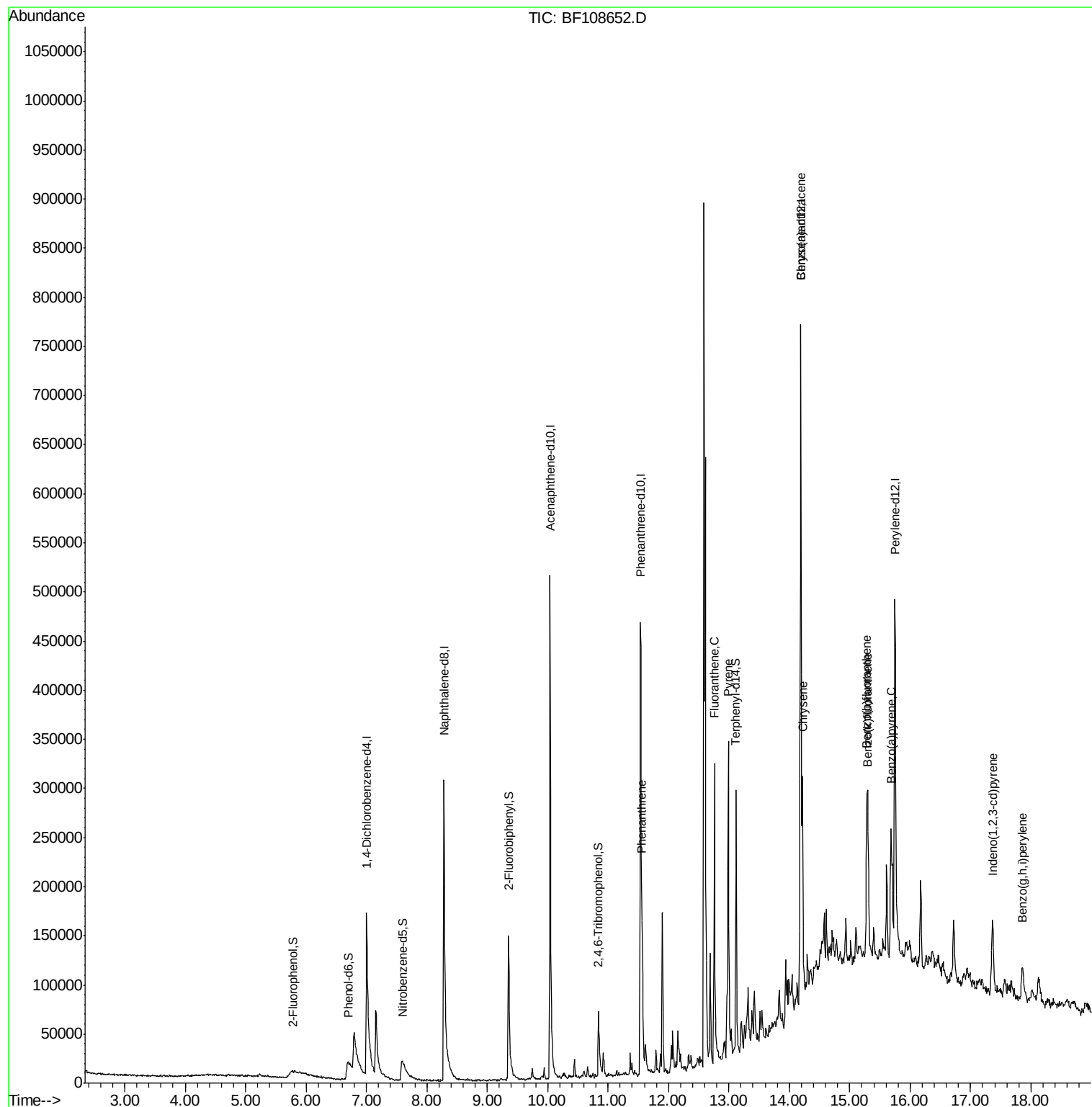
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083018\
Data File : BF108652.D
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Operator : JU/SJ
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Misc :
ALS Vial : 13 Sample Multiplier: 1

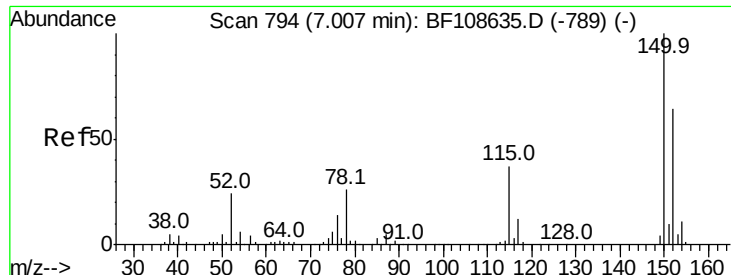
Instrument :
BNA_F
ClientSampleId :
SU-01-082918-B

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#1

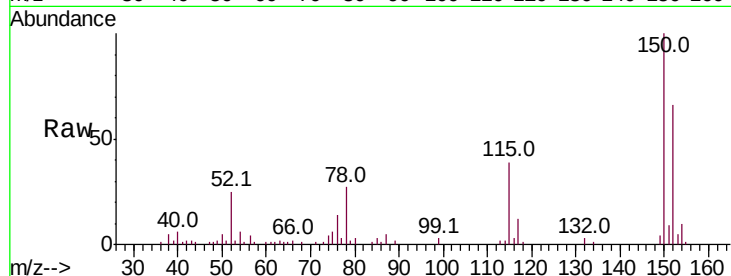
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.01 min Scan# 794
Delta R.T. 0.00 min
Lab File: BF108652.D
Acq: 30 Aug 2018 20:45

Instrument :
BNA_F
ClientSampleId :
SU-01-082918-B

Tot Ion	Ratio	Lower	Upper
152	100		
150	150.8	124.6	186.8
115	59.3	50.1	75.1

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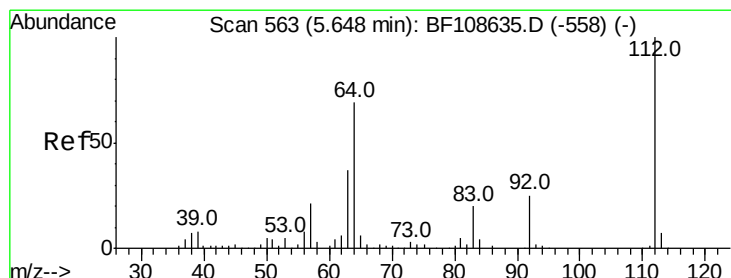
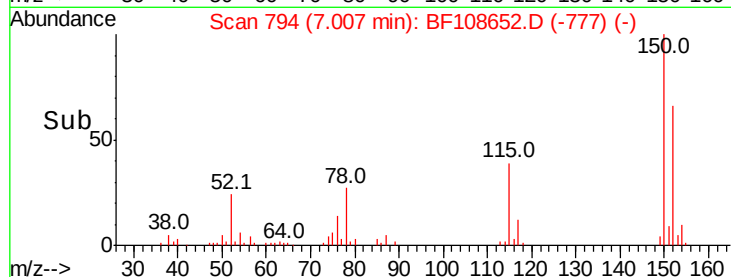
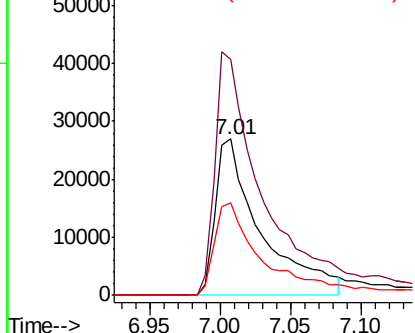


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 7.760 ng m
RT: 5.79 min Scan# 587
Delta R.T. 0.14 min
Lab File: BF108652.D
Acq: 30 Aug 2018 20:45

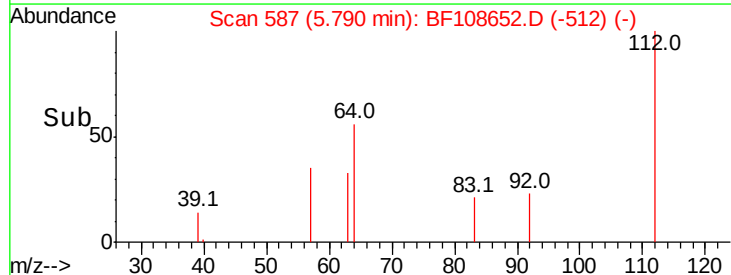
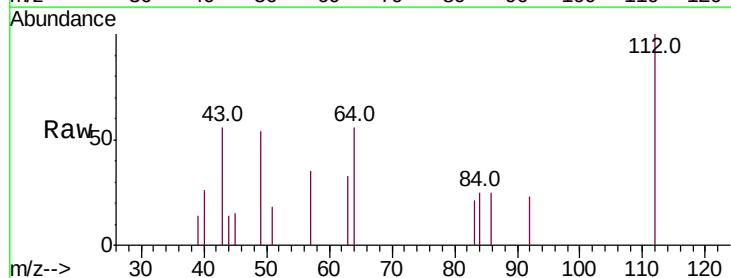
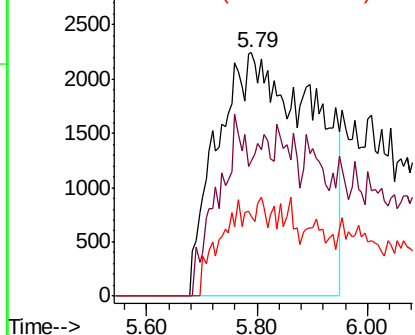
Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.6	47.9	71.9
63	32.9	23.7	35.5

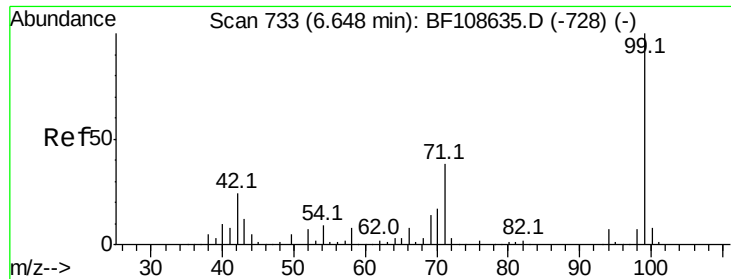
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 4.125 ng

RT: 6.70 min Scan# 741

Delta R.T. 0.05 min

Lab File: BF108652.D

Acq: 30 Aug 2018 20:45

Instrument :

BNA_F

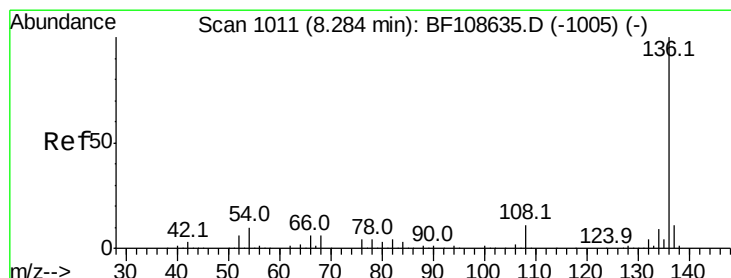
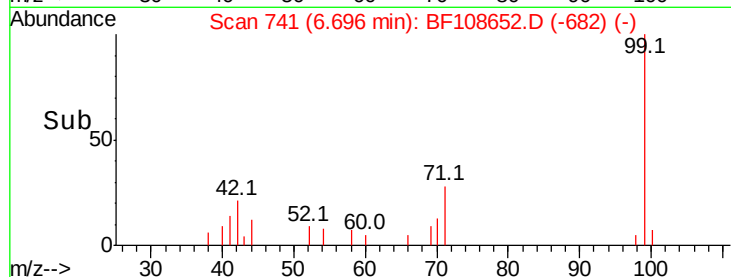
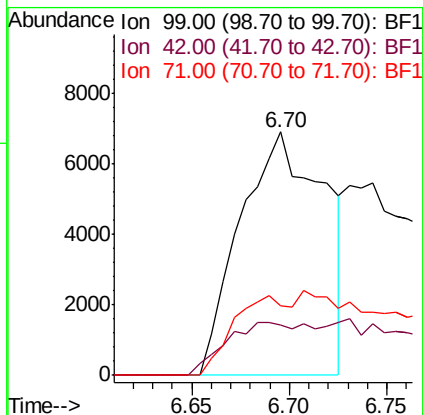
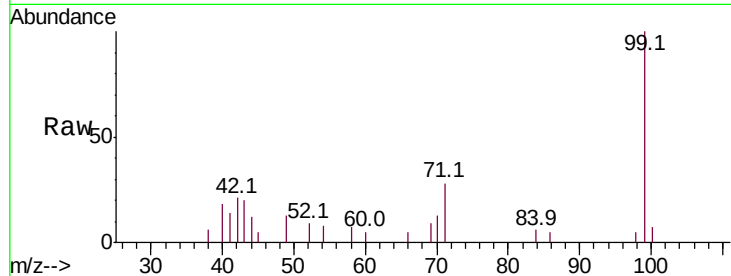
ClientSampleId :

SU-01-082918-B

Tot Ion:	99	Resp:	20713
Ion Ratio	Lower	Upper	
99	100		
42	20.8	14.5	21.7
71	28.5	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

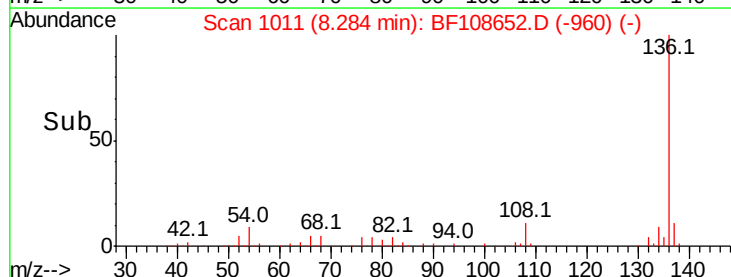
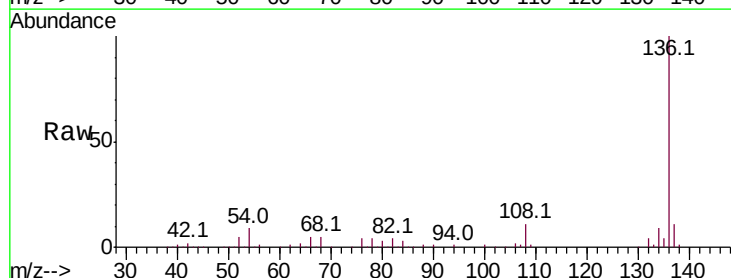
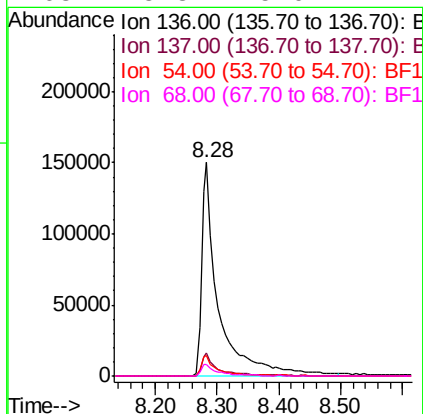
RT: 8.28 min Scan# 1011

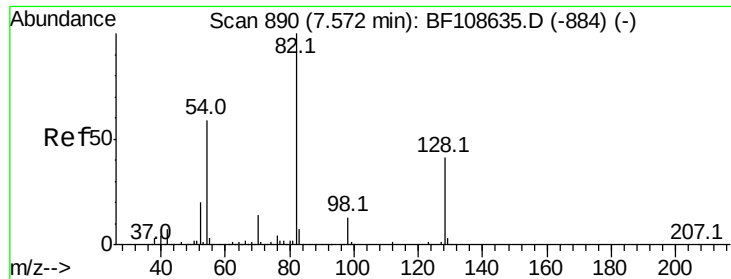
Delta R.T. 0.00 min

Lab File: BF108652.D

Acq: 30 Aug 2018 20:45

Tgt Ion:	136	Resp:	287822
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.9	13.3
54	9.4	6.6	9.8
68	5.3	5.0	7.4





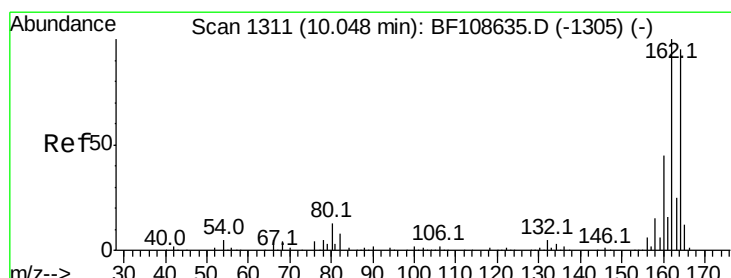
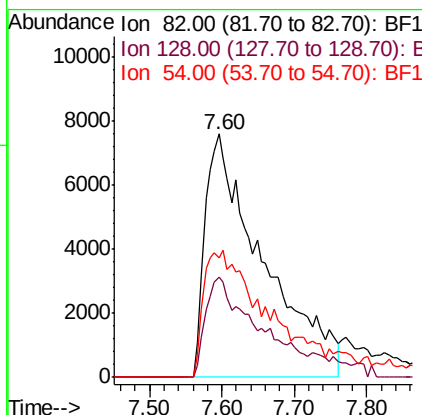
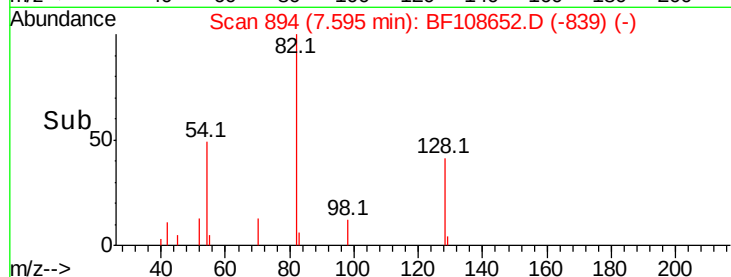
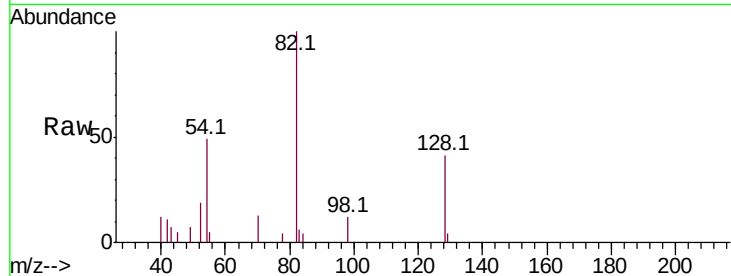
#23
 Nitrobenzene-d5
 Concen: 7.435 ng
 RT: 7.60 min Scan# 894
 Delta R.T. 0.02 min
 Lab File: BF108652.D
 Acq: 30 Aug 2018 20:45

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-082918-B

Tot Ion	Ratio	Lower	Upper
82	100		
128	41.4	36.1	54.1
54	48.9	41.4	62.2

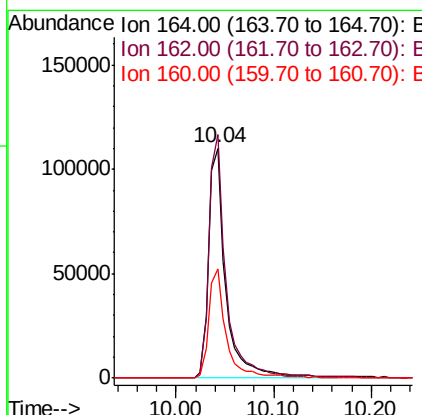
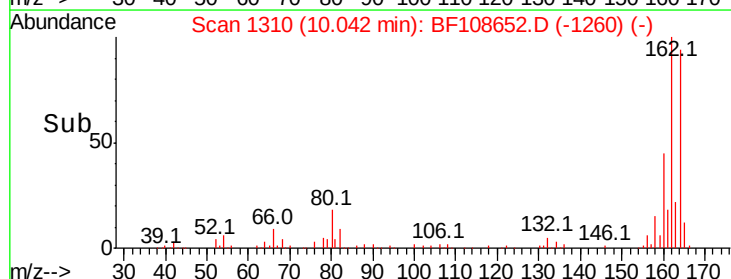
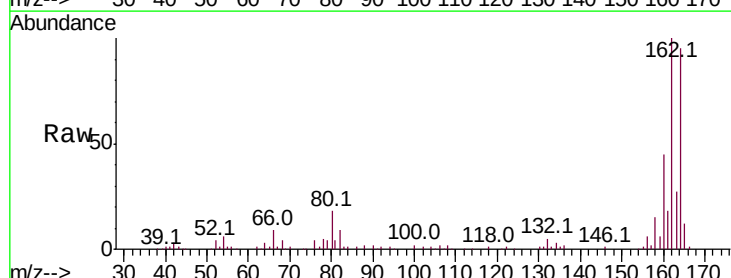
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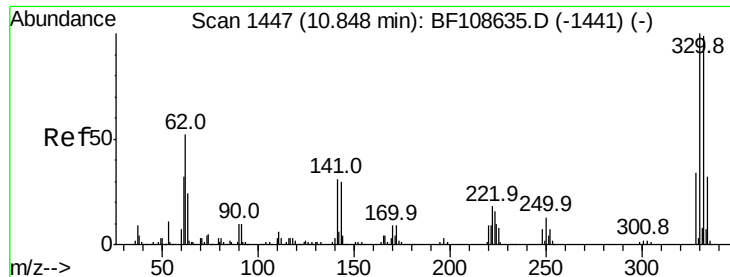
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.01 min
 Lab File: BF108652.D
 Acq: 30 Aug 2018 20:45

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.8	86.1	129.1
160	47.2	38.3	57.5





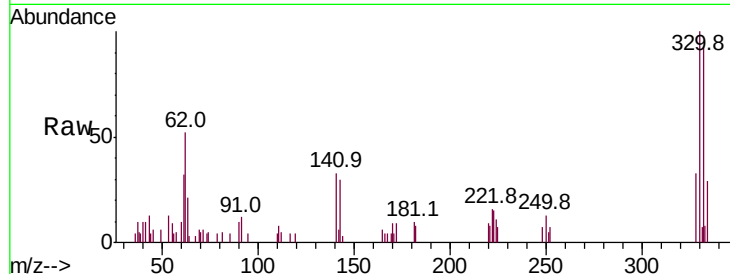
#41
 2,4,6-Tribromophenol
 Concen: 9.358 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF108652.D
 Acq: 30 Aug 2018 20:45

Instrument :
 BNA_F
 ClientSampleId :
 SU-01-082918-B

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	92.3	77.0	115.6	
141	34.7	29.9	44.9	

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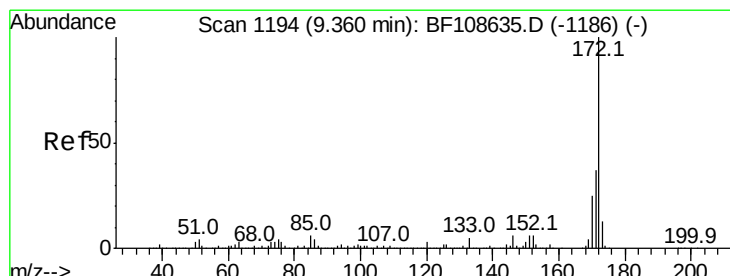
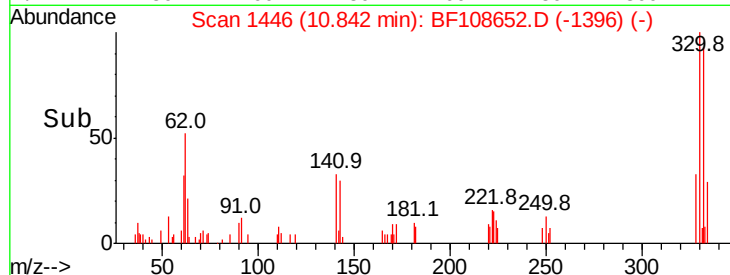
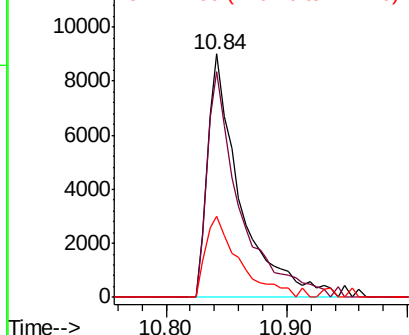


Abundance

Ion 329.80 (329.50 to 330.50): E

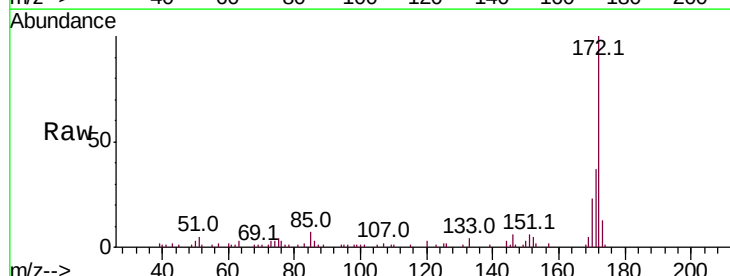
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 9.071 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108652.D
 Acq: 30 Aug 2018 20:45

Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	37.1	29.7	44.5	
170	23.2	19.6	29.4	

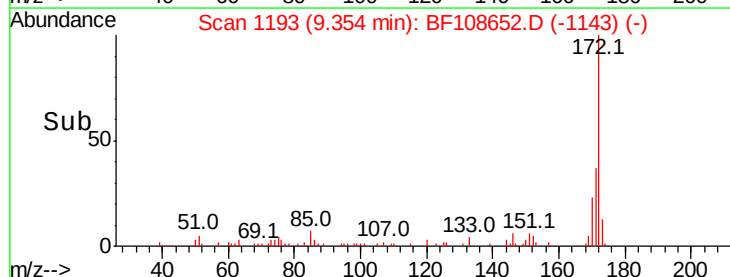
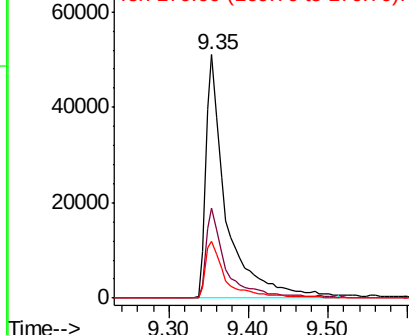


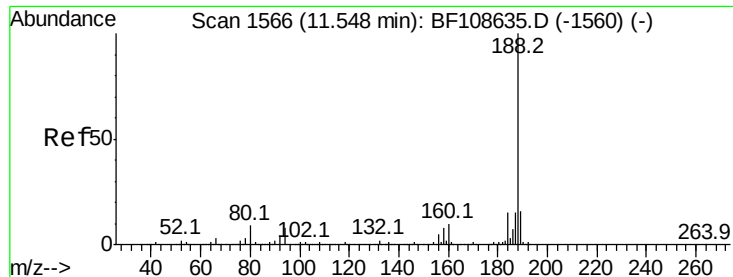
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





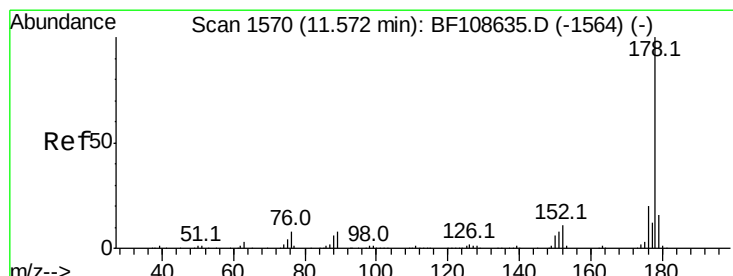
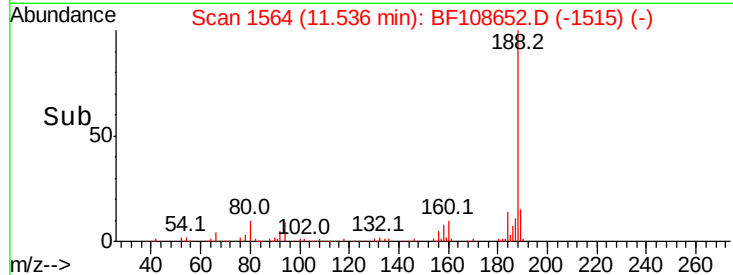
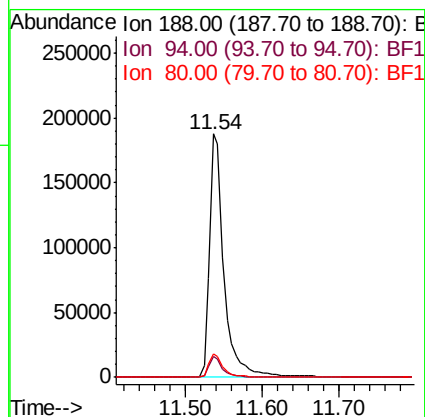
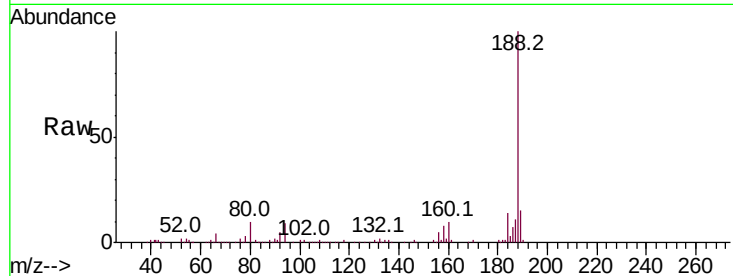
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.54 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF108652.D
Acq: 30 Aug 2018 20:45

Instrument :
BNA_F
ClientSampleId :
SU-01-082918-B

Tot Ion:188	Resp: 243930
Ion Ratio	Lower Upper
188 100	
94 8.7	8.5 12.7
80 9.7	9.2 13.8

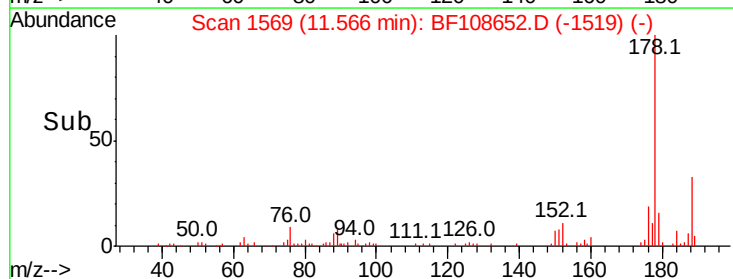
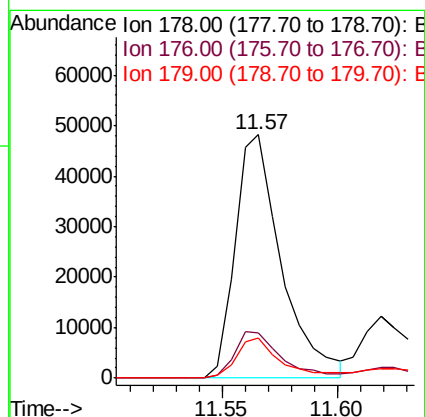
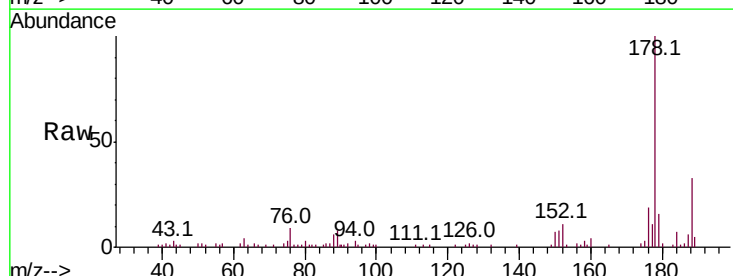
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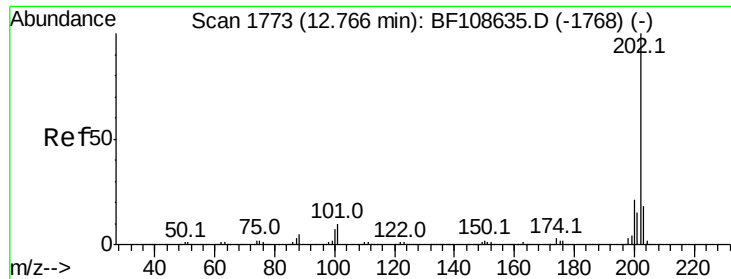
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#70
Phenanthrene
Concen: 5.450 ng
RT: 11.57 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF108652.D
Acq: 30 Aug 2018 20:45

Tgt Ion:178	Resp: 67101
Ion Ratio	Lower Upper
178 100	
176 18.8	15.8 23.8
179 16.3	13.0 19.6





#74

Fluoranthene

Concen: 12.118 ng

RT: 12.76 min Scan# 1772

Delta R.T. -0.01 min

Lab File: BF108652.D

Acq: 30 Aug 2018 20:45

Instrument :

BNA_F

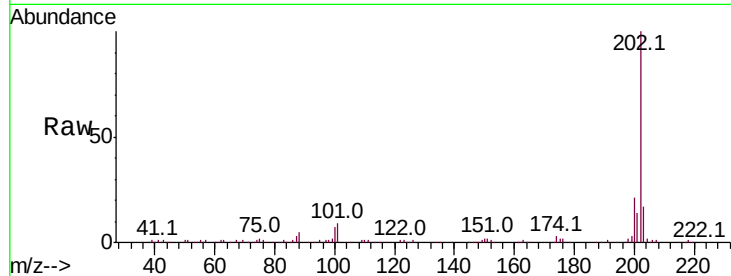
ClientSampleId :

SU-01-082918-B

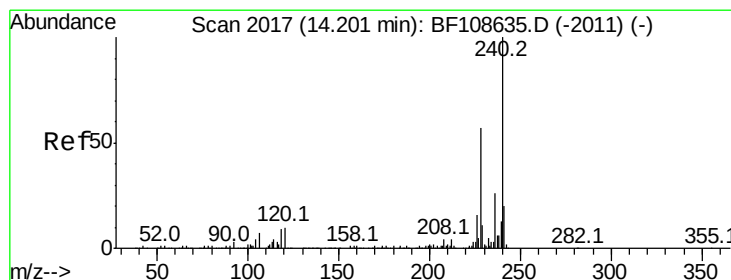
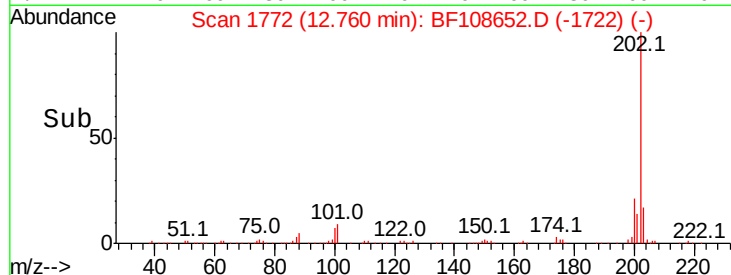
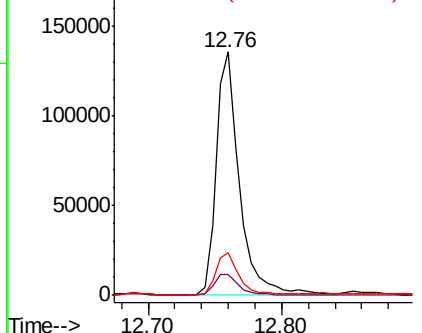
Tot Ion	Ratio	Resp	Lower	Upper
202	100	167939		
101	8.7	0.0	34.1	
203	17.4	0.0	38.1	

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

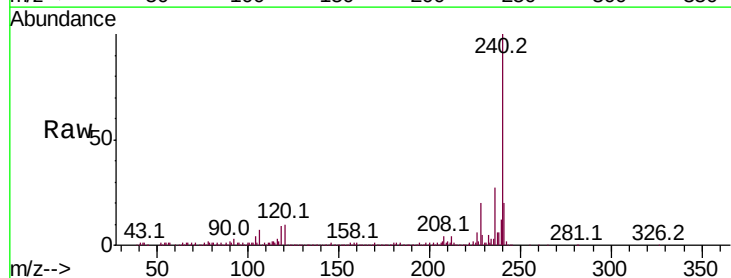
RT: 14.19 min Scan# 2015

Delta R.T. -0.01 min

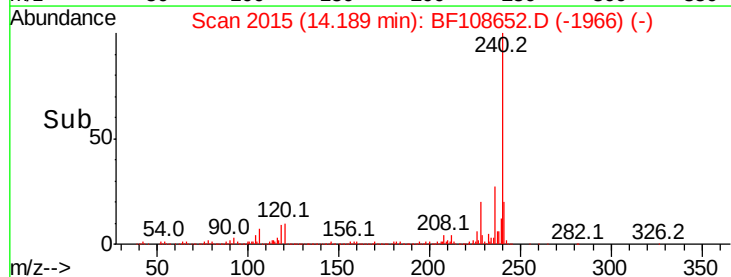
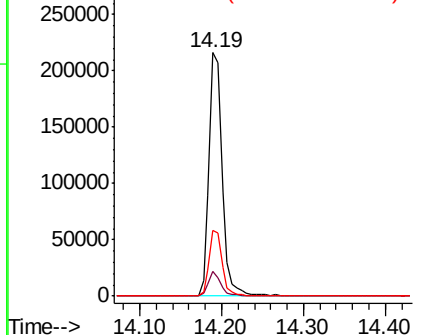
Lab File: BF108652.D

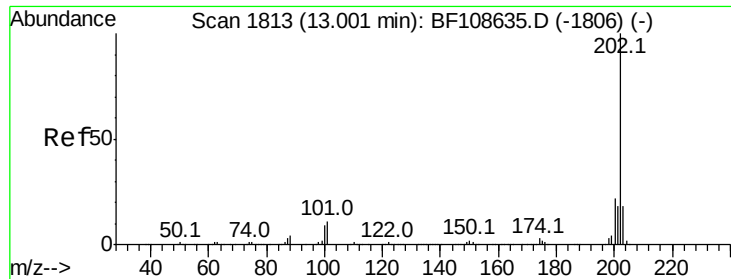
Acq: 30 Aug 2018 20:45

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	242539		
120	10.0	9.5	14.3	
236	26.9	20.7	31.1	



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





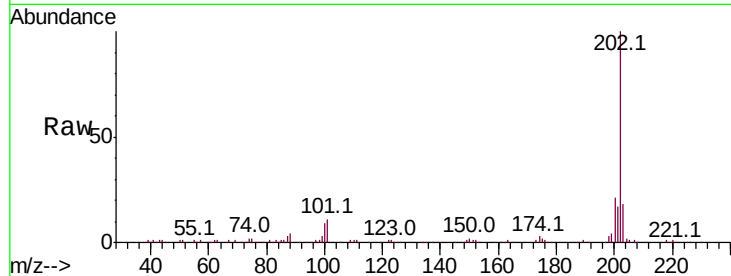
#77
Pvrene
Concen: 9.239 ng
RT: 12.99 min Scan# 1811
Delta R.T. -0.01 min
Lab File: BF108652.D
Acq: 30 Aug 2018 20:45

Instrument :
BNA_F
ClientSampleId :
SU-01-082918-B

Tot Ion	Ratio	Resp Lower	Upper
202	100		
200	21.2	17.4	26.2
203	17.9	14.3	21.5

Manual Integrations
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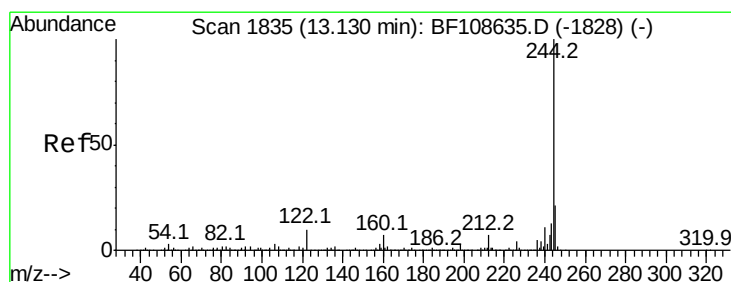
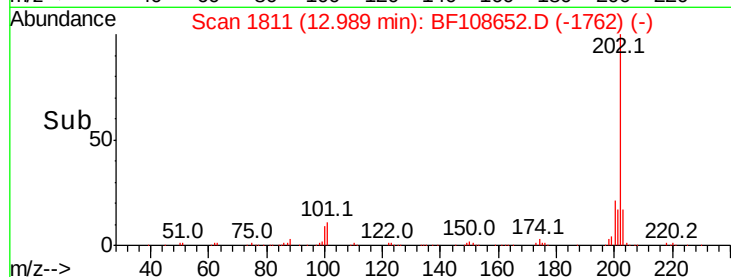
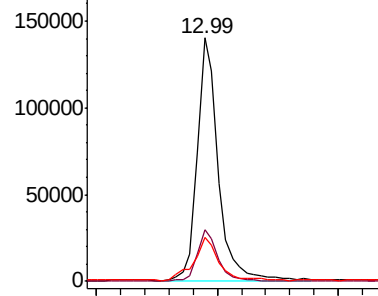


Abundance

Ion 202.00 (201.70 to 202.70): E

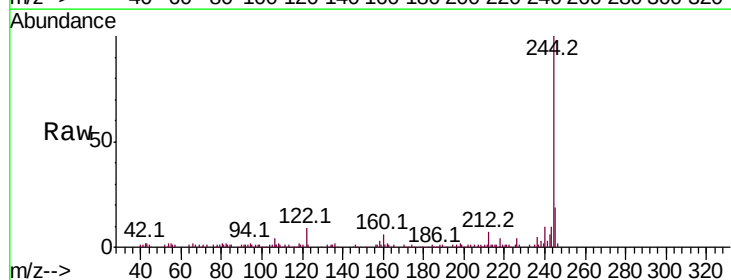
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78
Terphenyl-d14
Concen: 7.740 ng
RT: 13.12 min Scan# 1833
Delta R.T. -0.01 min
Lab File: BF108652.D
Acq: 30 Aug 2018 20:45

Tgt Ion	Ratio	Resp Lower	Upper
244	100		
212	6.6	5.4	8.0
122	8.5	11.0	16.4#

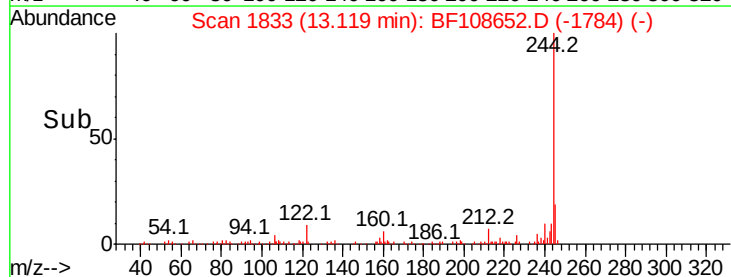
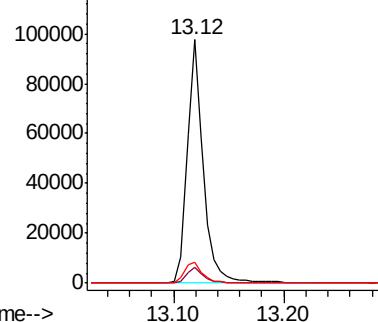


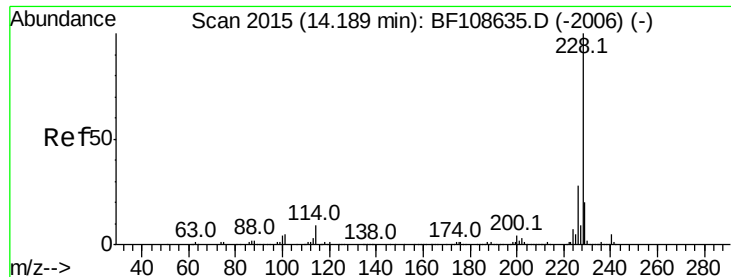
Abundance

Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





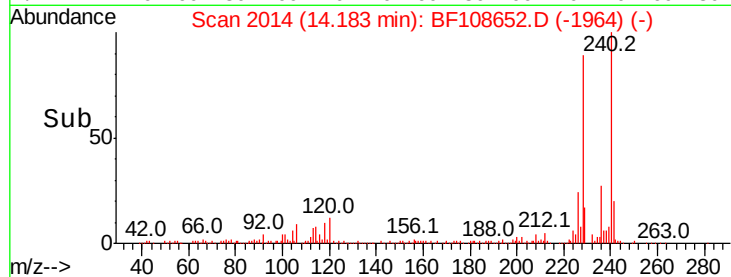
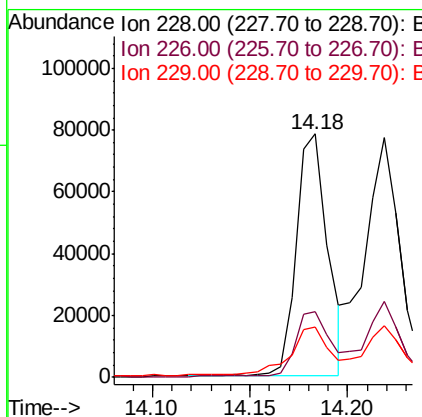
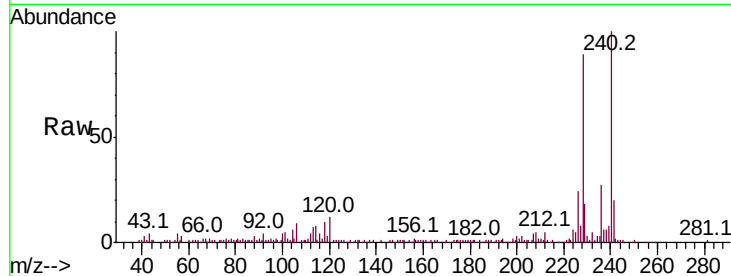
#80
Benzo(a)anthracene
Concen: 5.930 ng
RT: 14.18 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF108652.D
Acq: 30 Aug 2018 20:45

Instrument :
BNA_F
ClientSampleId :
SU-01-082918-B

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.6	33.8
229	20.5	15.8	23.6

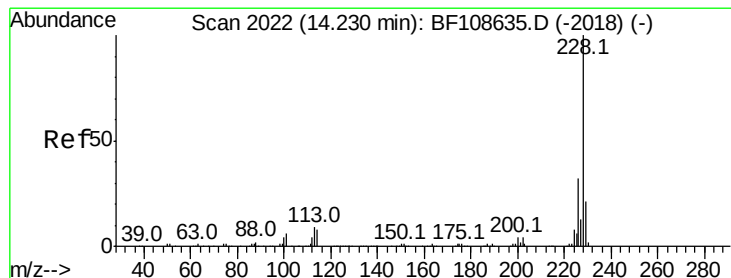
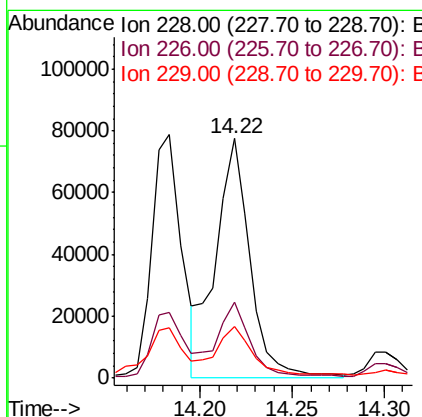
Manual Integrations
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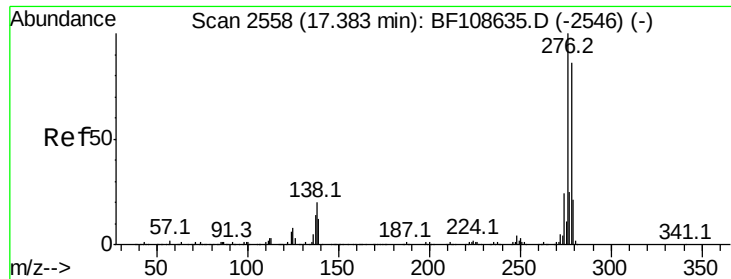
Sohil
8/31/2018 12:18:24 PM



#82
Chrysene
Concen: 7.071 ng m
RT: 14.22 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF108652.D
Acq: 30 Aug 2018 20:45

Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.7	25.0	37.6
229	21.7	16.2	24.4





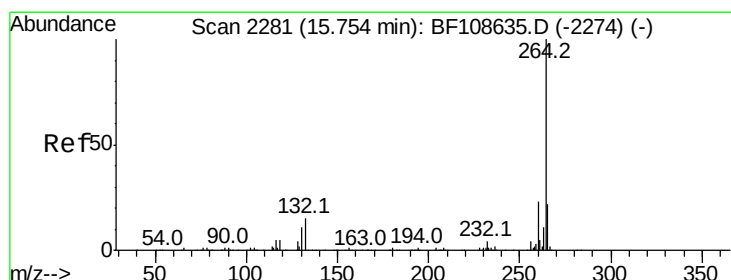
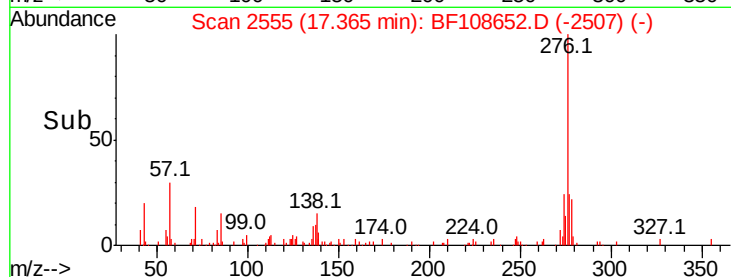
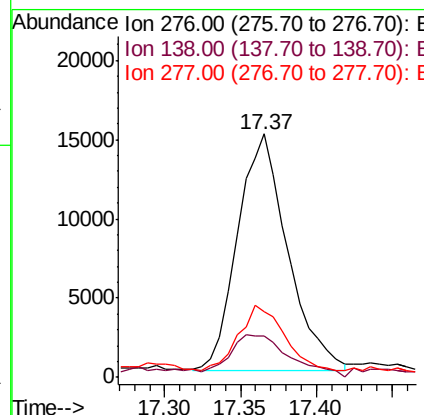
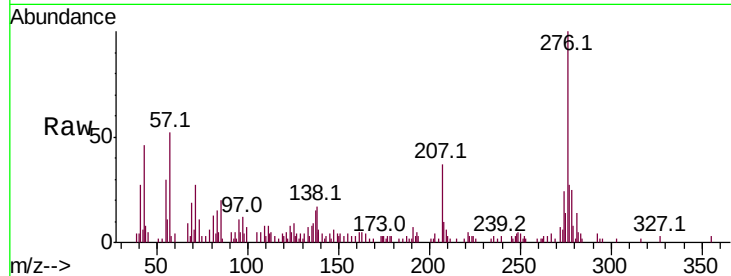
#85
Indeno(1,2,3-cd)pyrene
Concen: 3.449 ng/ml
RT: 17.37 min Scan# 2558
Delta R.T. -0.02 min
Lab File: BF108652.D
Acq: 30 Aug 2018 20:45

Instrument :
BNA_F
ClientSampleId :
SU-01-082918-B

Tot Ion	Ratio	Lower	Upper
276	100		
138	7.0	25.0	37.6#
277	5.3	20.1	30.1#

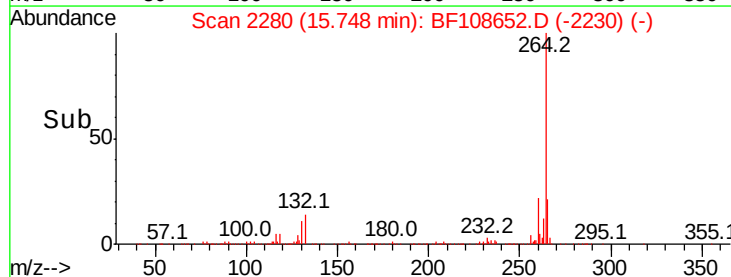
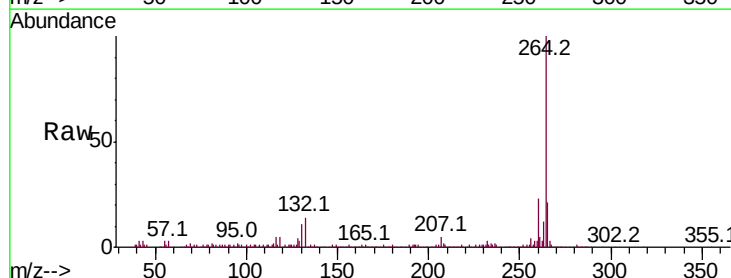
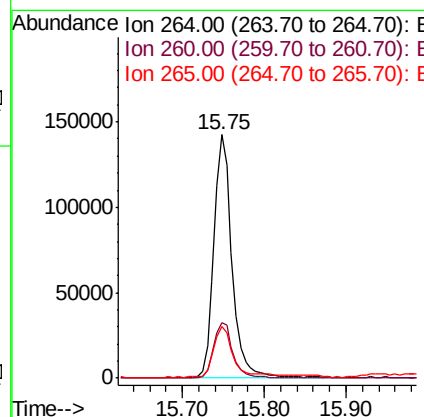
Manual Integrations
APPROVED

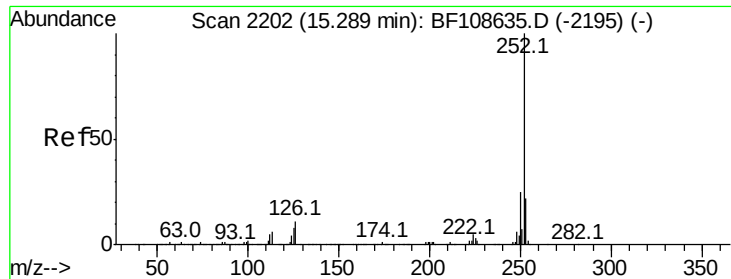
Sohil
8/31/2018 12:18:24 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.75 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF108652.D
Acq: 30 Aug 2018 20:45

Tgt Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	21.4	17.5	26.3





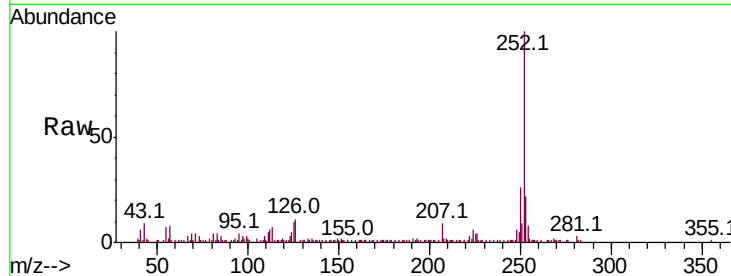
#87
Benzo(b)fluoranthene
Concen: 8.011 ng m
RT: 15.28 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF108652.D
Acq: 30 Aug 2018 20:45

Instrument :
BNA_F
ClientSampleId :
SU-01-082918-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.0	25.6
125	10.5	9.0	13.6

Manual Integrations
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8/31/2018 12:18:24 PM

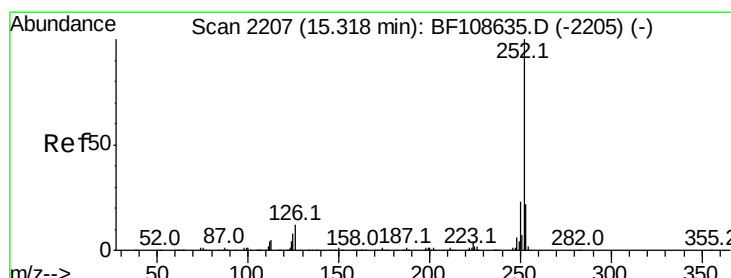
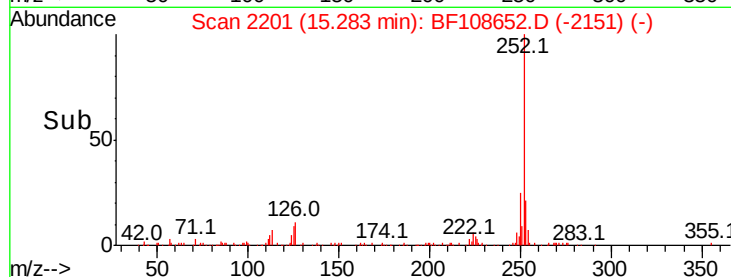
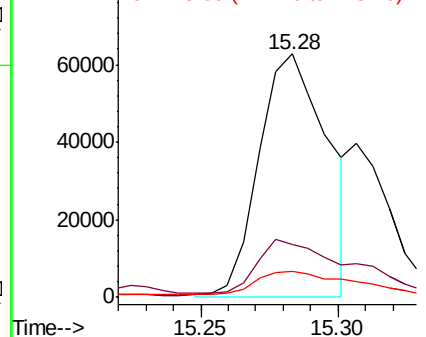


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88
Benzo(k)fluoranthene
Concen: 3.275 ng m
RT: 15.31 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BF108652.D
Acq: 30 Aug 2018 20:45

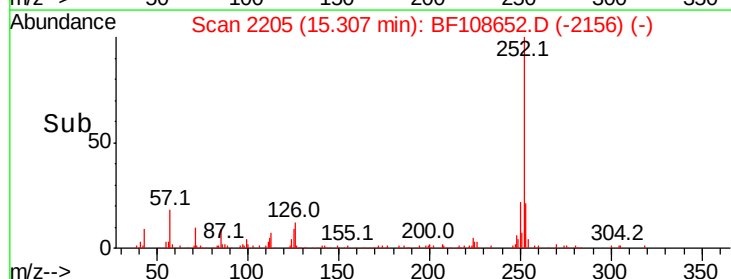
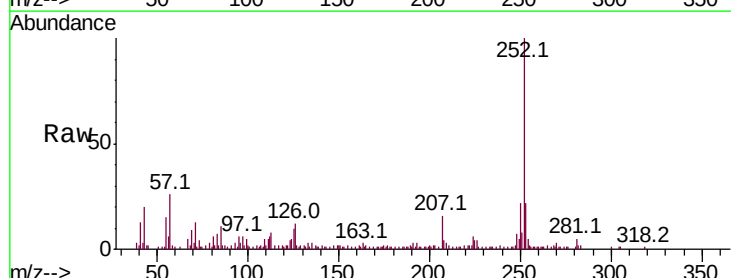
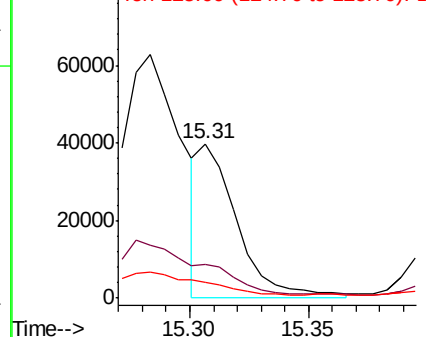
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.9	26.9
125	10.3	10.2	15.2

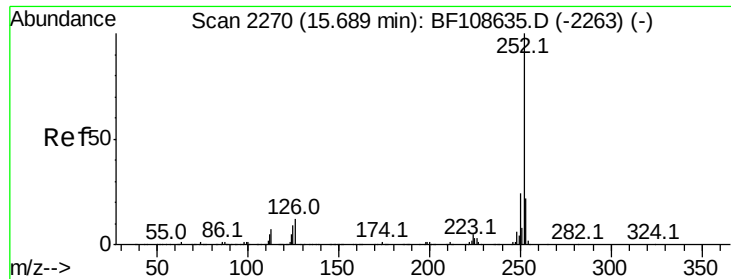
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





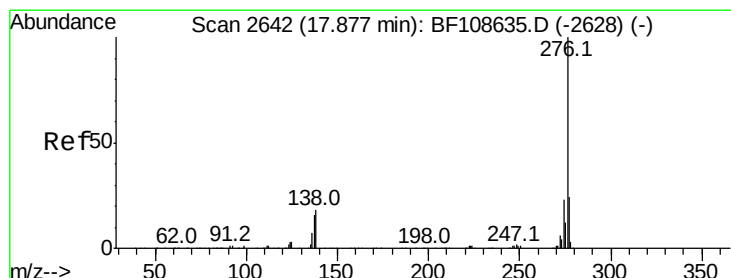
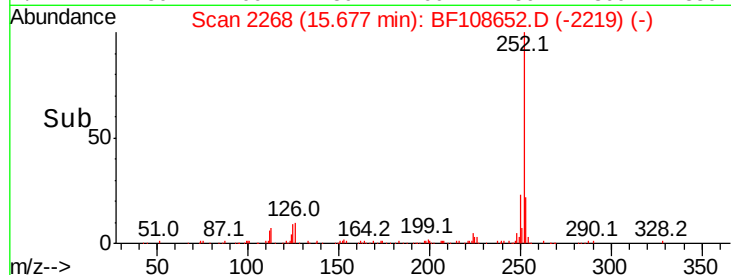
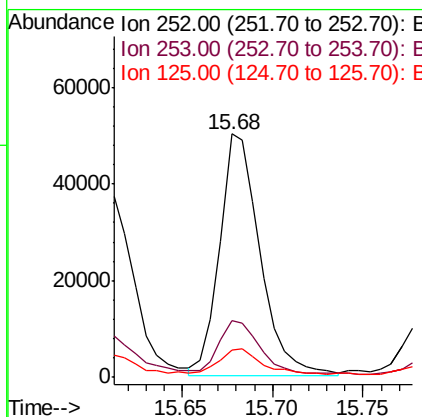
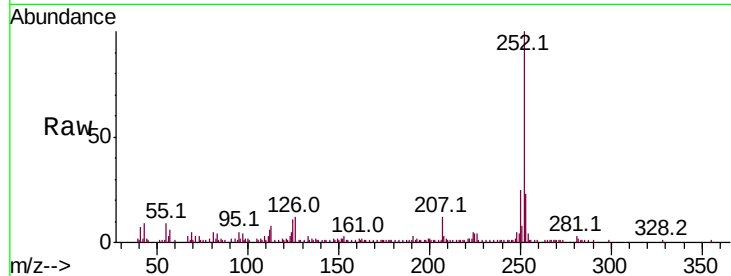
#89
Benzo(a)pyrene
Concen: 6.291 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF108652.D
Acq: 30 Aug 2018 20:45

Instrument :
BNA_F
ClientSampleId :
SU-01-082918-B

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.1	25.7
125	11.2	9.8	14.6

Manual Integrations
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Sohil
8/31/2018 12:18:24 PM



#91
Benzo(g,h,i)perylene
Concen: 3.854 ng
RT: 17.86 min Scan# 2639
Delta R.T. -0.02 min
Lab File: BF108652.D
Acq: 30 Aug 2018 20:45

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.8	17.9	26.9
138	17.2	21.8	32.8#

