

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083018\
 Data File : BF108651.D
 Acq On : 30 Aug 2018 20:17
 Operator : JU/SJ
 Sample : J4282-15 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

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

Manual Integrations
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Sohil
 8/31/2018 12:18:21 PM

Quant Time: Aug 31 09:52:51 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	7.00	152	77108	20.00	ng	0.00
21) Naphthalene-d8	8.28	136	355656	20.00	ng	0.00
38) Acenaphthene-d10	10.04	164	171646	20.00	ng	0.00
63) Phenanthrene-d10	11.54	188	294782	20.00	ng	-0.01
75) Chrysene-d12	14.19	240	277310	20.00	ng	0.00
86) Perylene-d12	15.75	264	269325	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.78	112	29246m	6.59	ng	0.13
7) Phenol-d6	6.70	99	66963m	10.53	ng	0.05
23) Nitrobenzene-d5	7.59	82	48626m	6.94	ng	0.02
41) 2,4,6-Tribromophenol	10.84	330	19461	8.59	ng	0.00
44) 2-Fluorobiphenyl	9.35	172	104883	8.22	ng	0.00
78) Terphenyl-d14	13.12	244	94870	6.65	ng	-0.01
Target Compounds						
70) Phenanthrene	11.57	178	52145	3.505	ng	98
74) Fluoranthene	12.76	202	158909	9.488	ng	93
77) Pyrene	12.99	202	172623	8.281	ng	100
80) Benzo(a)anthracene	14.18	228	96503	5.708	ng	98
82) Chrysene	14.22	228	104276	6.414	ng	96
85) Indeno(1,2,3-cd)pyrene	17.36	276	47190	4.175	ng	# 85
87) Benzo(b)fluoranthene	15.28	252	133776m	8.086	ng	
88) Benzo(k)fluoranthene	15.31	252	50343m	3.072	ng	
89) Benzo(a)pyrene	15.68	252	98244	6.571	ng	97
91) Benzo(g,h,i)perylene	17.86	276	44030	3.794	ng	# 90

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

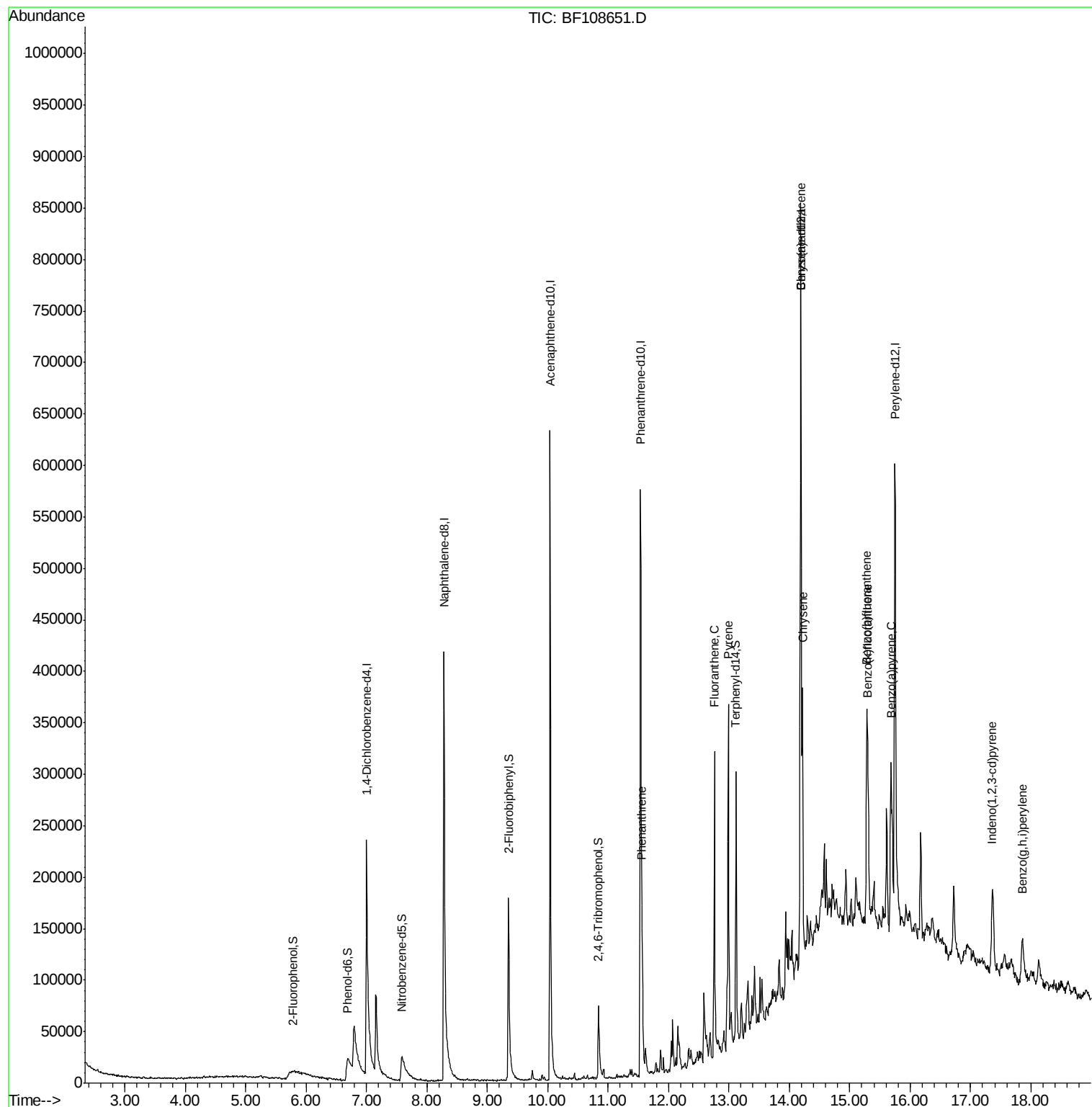
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF083018\
Data File : BF108651.D
Acq On : 30 Aug 2018 20:17
Operator : JU/SJ
Sample : J4282-15 5X
Misc :
ALS Vial : 12 Sample Multiplier: 1

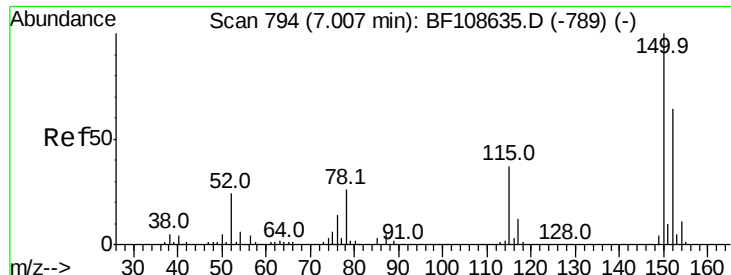
Instrument :
BNA_F
ClientSampleId :
SU-01-082918-A

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration





#1

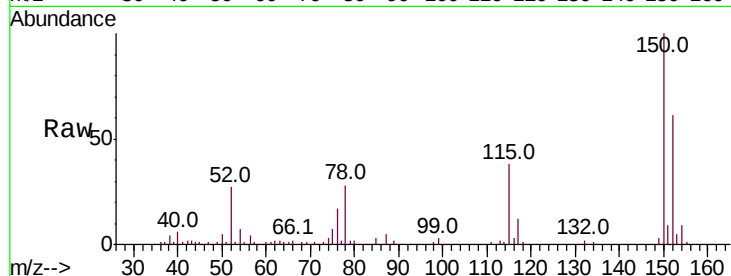
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.00 min Scan# 793
Delta R.T. -0.01 min
Lab File: BF108651.D
Acq: 30 Aug 2018 20:17

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	164.7	124.6	186.8
115	62.3	50.1	75.1

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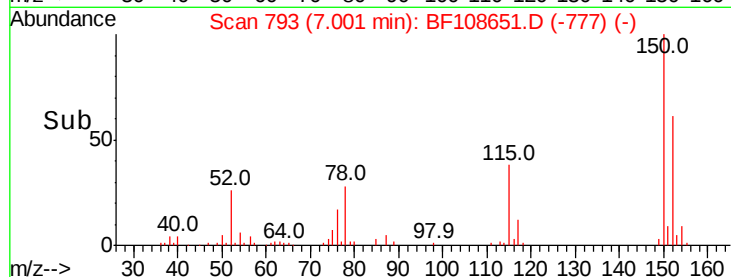
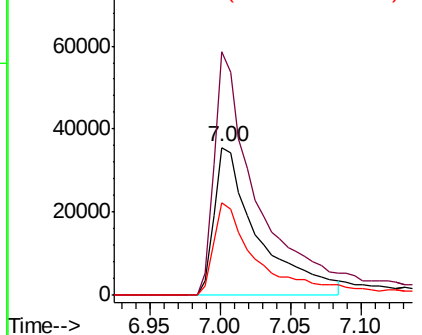


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

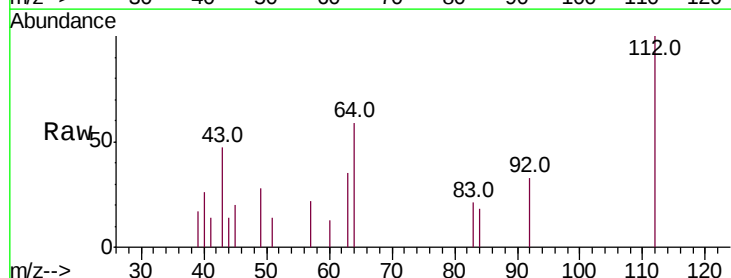
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 6.589 ng m
RT: 5.78 min Scan# 585
Delta R.T. 0.13 min
Lab File: BF108651.D
Acq: 30 Aug 2018 20:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.7	47.9	71.9
63	34.8	23.7	35.5

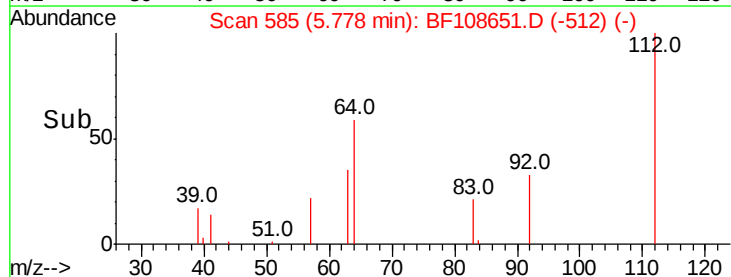
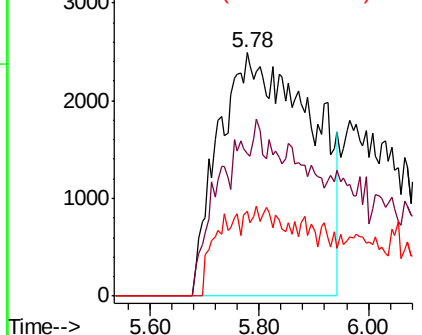


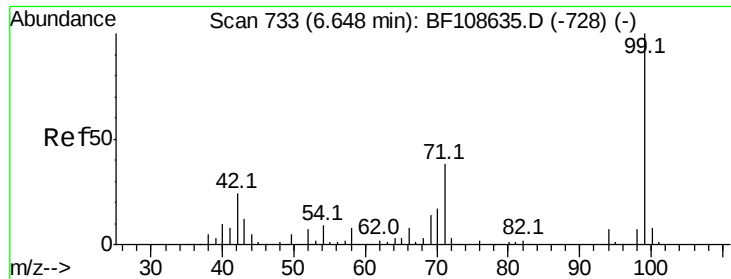
Abundance

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

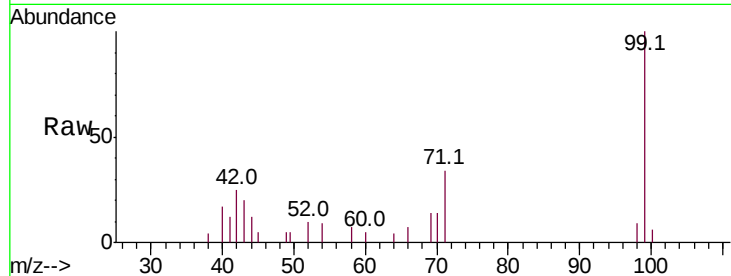
Concen: 10.533 ng/ml
 RT: 6.70 min Scan# 741
 Delta R.T. 0.05 min
 Lab File: BF108651.D
 Acq: 30 Aug 2018 20:17

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

Tot Ion	Ratio	Lower	Upper
99	100		
42	24.8	14.5	21.7#
71	34.4	25.4	38.0

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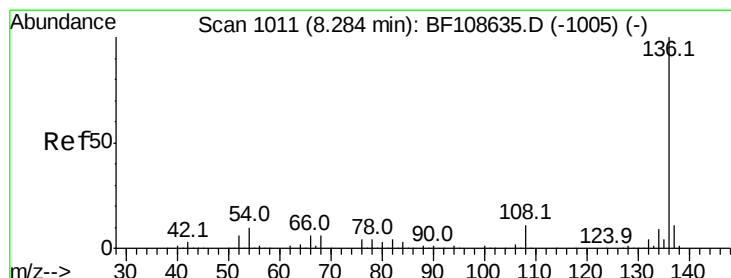
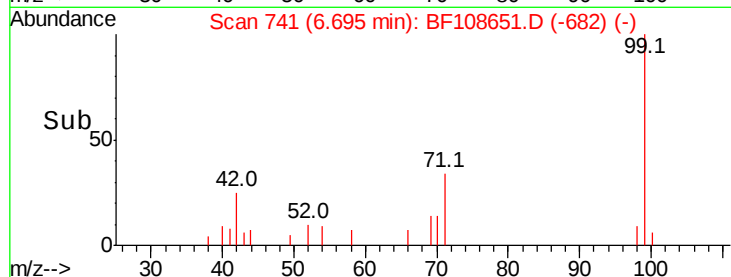
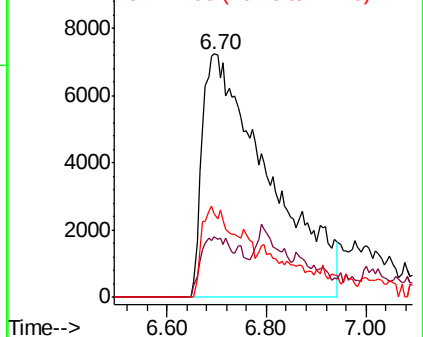


Abundance

Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng
 RT: 8.28 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: BF108651.D
 Acq: 30 Aug 2018 20:17

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.2	8.9	13.3
54	9.0	6.6	9.8
68	5.0	5.0	7.4

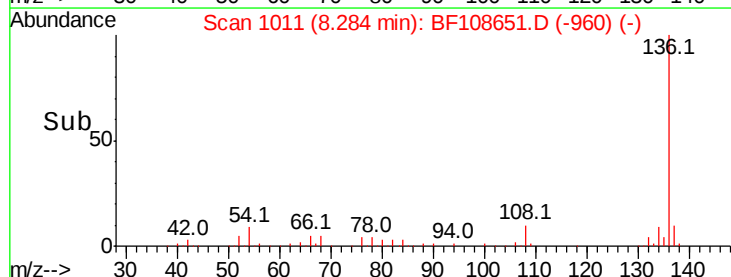
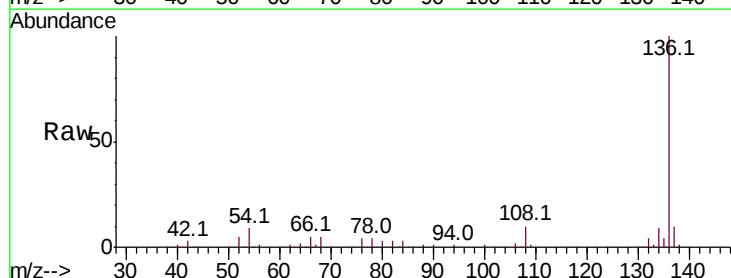
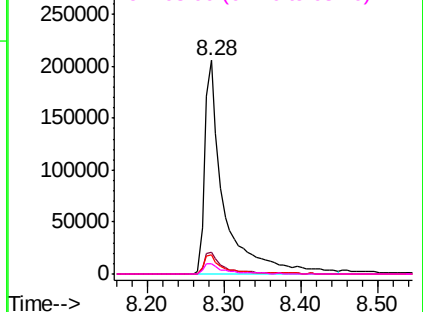
Abundance

Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





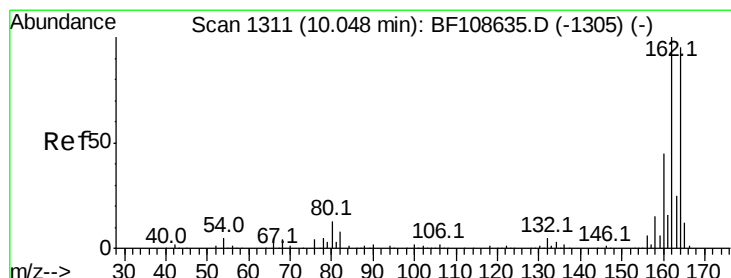
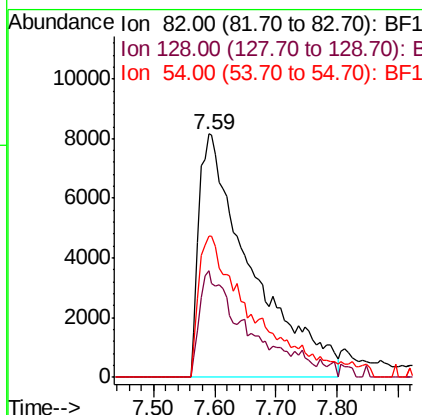
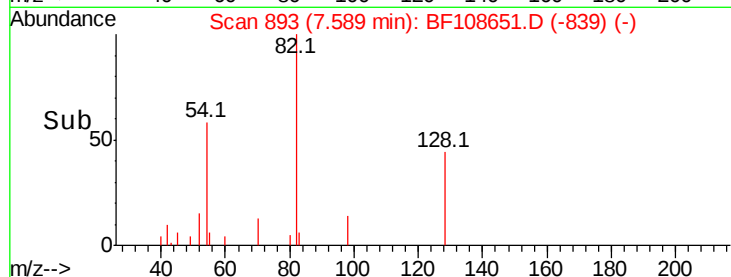
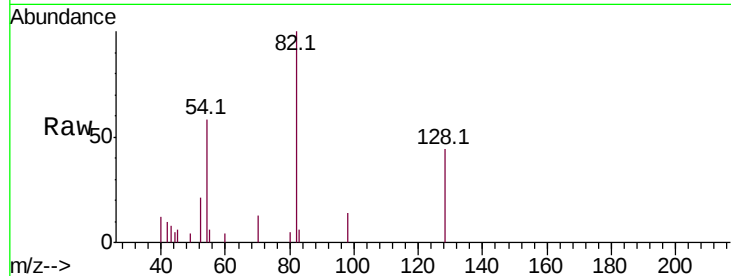
#23
 Nitrobenzene-d5
 Concen: 6.940 ng/ml
 RT: 7.59 min Scan# 893
 Delta R.T. 0.02 min
 Lab File: BF108651.D
 Acq: 30 Aug 2018 20:17

Instrument :
 BNA_F
 ClientSampleID :
 SU-01-082918-A

Tot Ion:	82	Resp:	48626
Ion Ratio	Lower	Upper	
82	100		
128	43.6	36.1	54.1
54	58.0	41.4	62.2

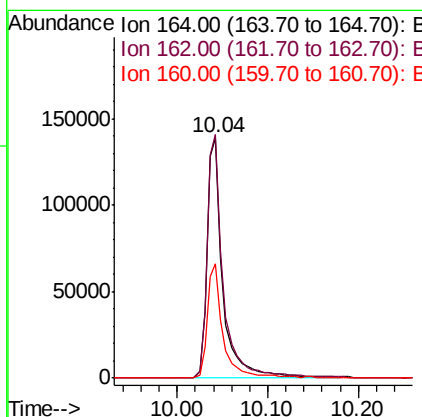
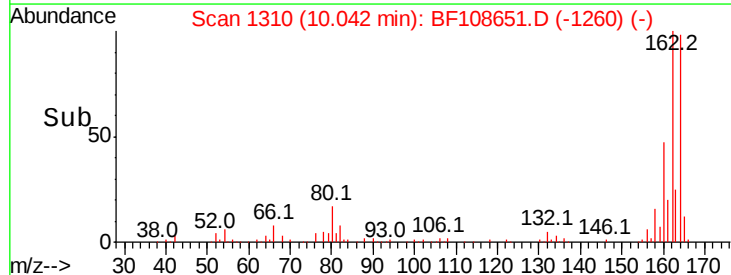
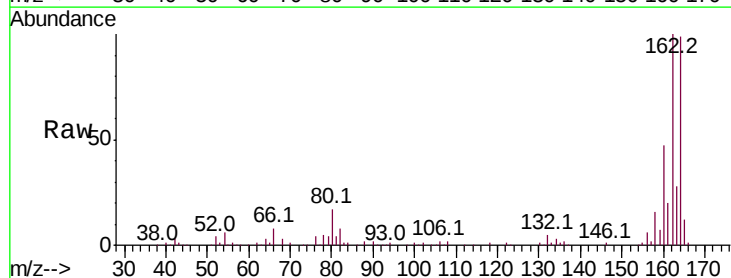
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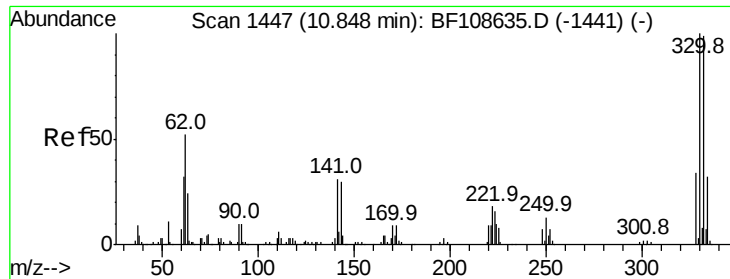
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.04 min Scan# 1310
 Delta R.T. -0.01 min
 Lab File: BF108651.D
 Acq: 30 Aug 2018 20:17

Tgt Ion:	164	Resp:	171646
Ion Ratio	Lower	Upper	
164	100		
162	101.4	86.1	129.1
160	47.8	38.3	57.5





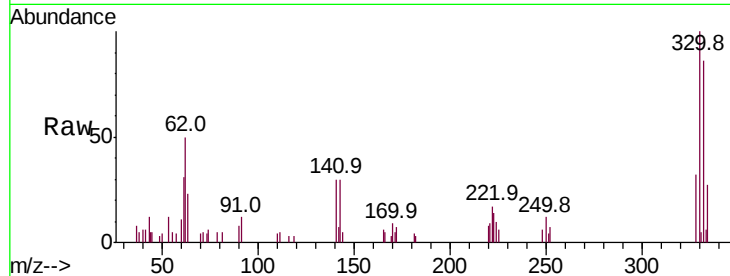
#41
 2,4,6-Tribromophenol
 Concen: 8.588 ng
 RT: 10.84 min Scan# 1446
 Delta R.T. -0.01 min
 Lab File: BF108651.D
 Acq: 30 Aug 2018 20:17

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

Tot Ion	Ratio	Resp	Lower	Upper
330	100			
332	91.1	77.0	115.6	
141	32.9	29.9	44.9	

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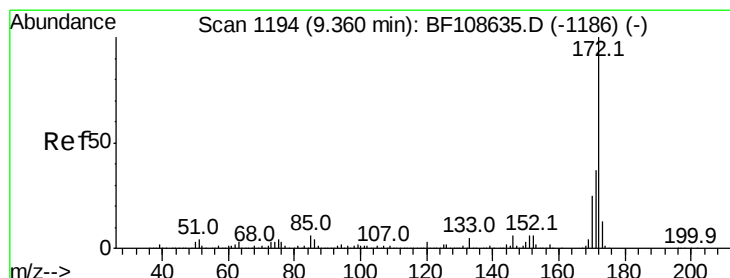
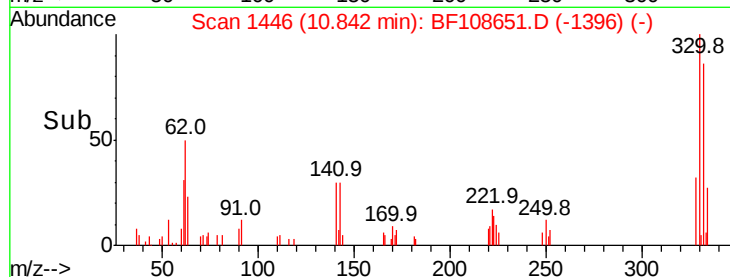
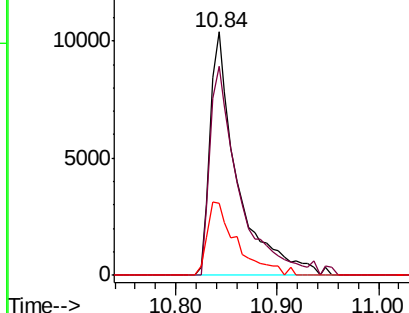


Abundance

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: 8.216 ng
 RT: 9.35 min Scan# 1193
 Delta R.T. -0.01 min
 Lab File: BF108651.D
 Acq: 30 Aug 2018 20:17

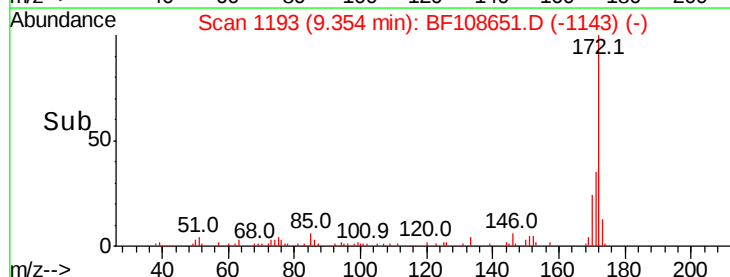
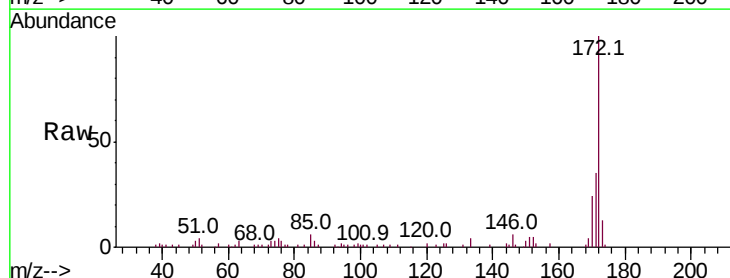
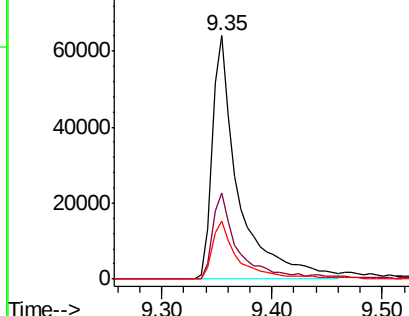
Tgt Ion	Ratio	Resp	Lower	Upper
172	100			
171	35.4	29.7	44.5	
170	23.8	19.6	29.4	

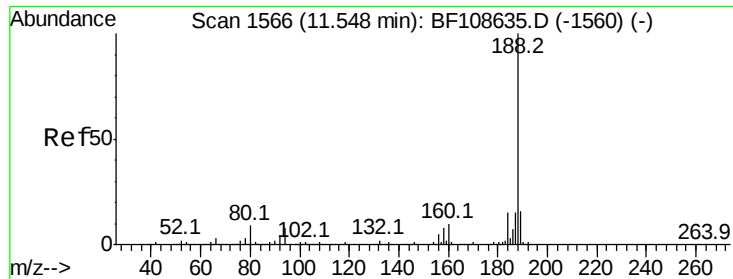
Abundance

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: BF108651.D

Acq: 30 Aug 2018 20:17

Instrument :

BNA_F

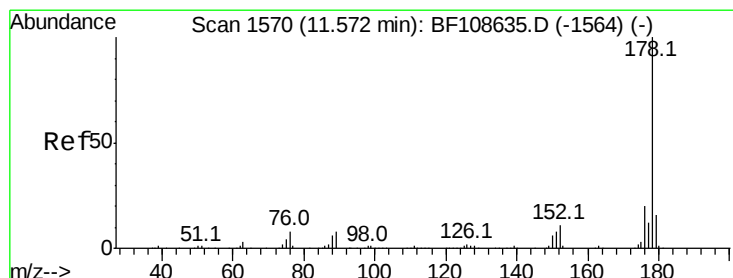
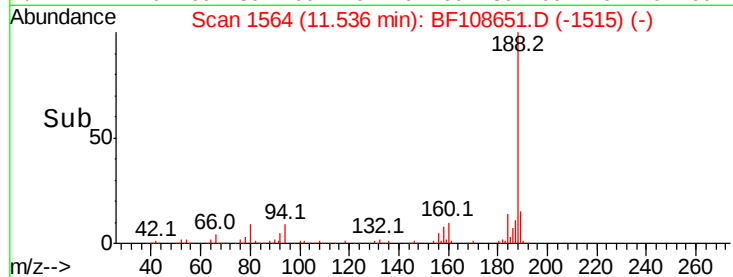
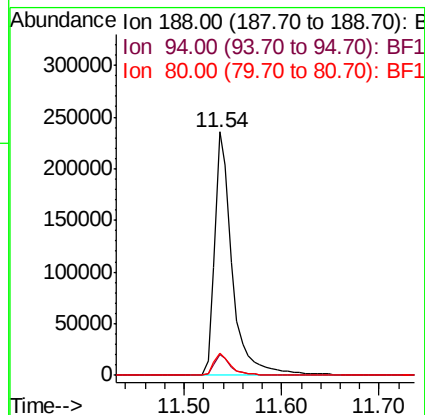
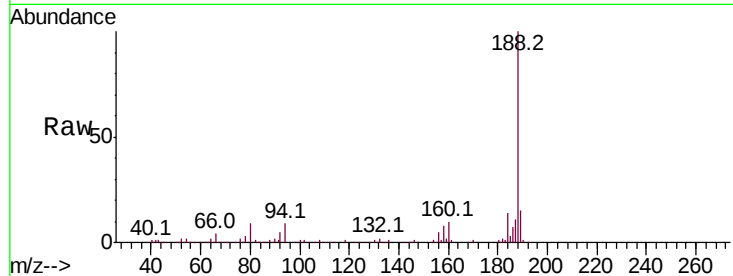
ClientSampleId :

SU-01-082918-A

Tot Ion	188	Resp	294782
Ion Ratio	Lower	Upper	
188	100		
94	8.7	8.5	12.7
80	9.4	9.2	13.8

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#70

Phenanthrene

Concen: 3.505 ng

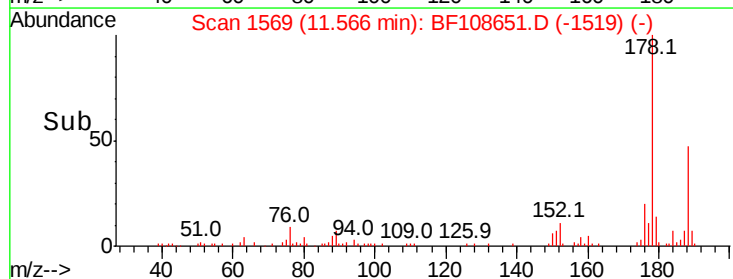
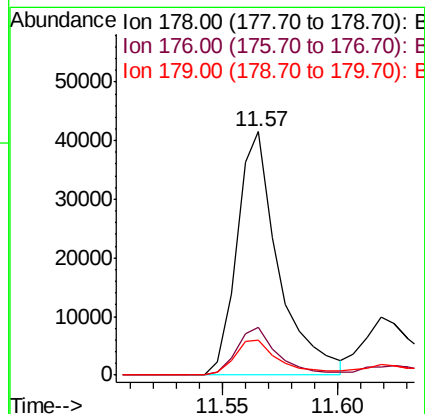
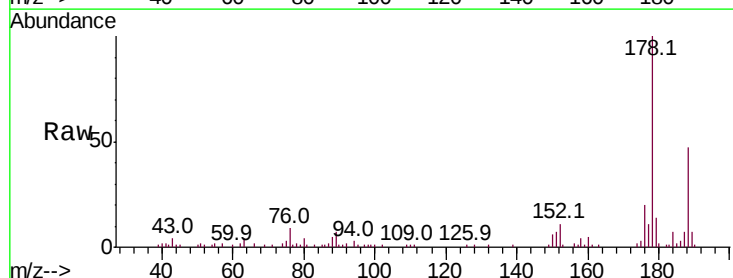
RT: 11.57 min Scan# 1569

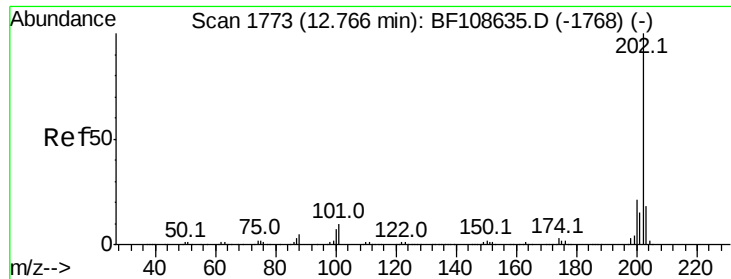
Delta R.T. -0.01 min

Lab File: BF108651.D

Acq: 30 Aug 2018 20:17

Tgt Ion	178	Resp	52145
Ion Ratio	Lower	Upper	
178	100		
176	19.5	15.8	23.8
179	14.5	13.0	19.6





#74

Fluoranthene

Concen: 9.488 ng

RT: 12.76 min Scan# 1772

Delta R.T. -0.01 min

Lab File: BF108651.D

Acq: 30 Aug 2018 20:17

Instrument :

BNA_F

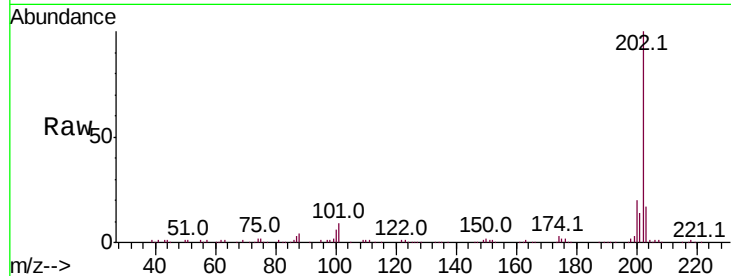
ClientSampleId :

SU-01-082918-A

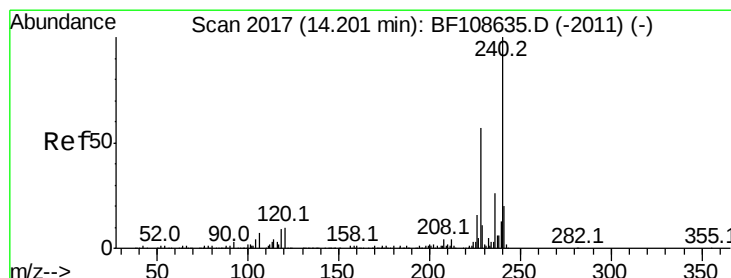
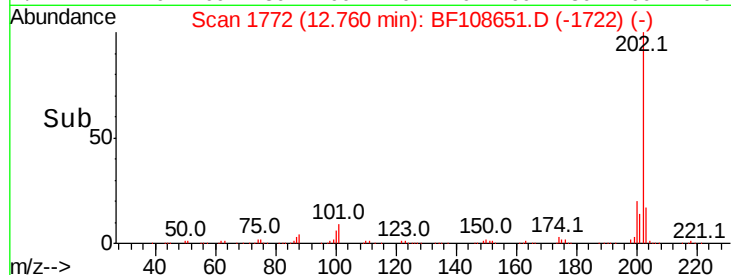
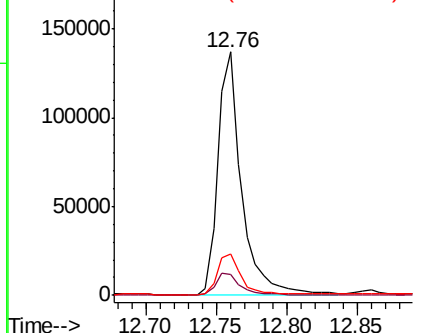
Tot Ion	Ratio	Resp	Lower	Upper
202	100	158909		
101	8.5	0.0	34.1	
203	17.0	0.0	38.1	

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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

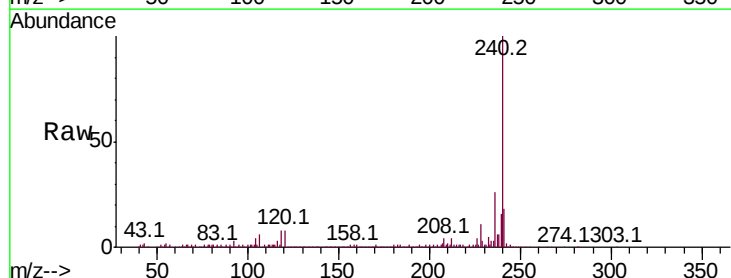
RT: 14.19 min Scan# 2016

Delta R.T. -0.01 min

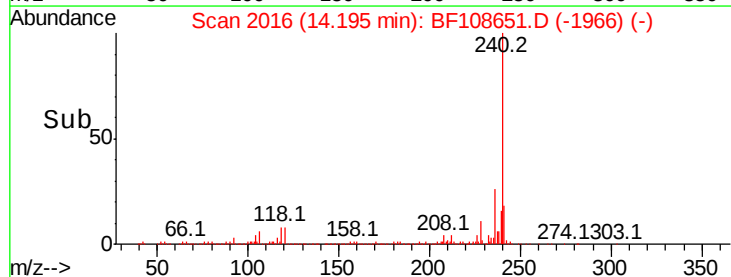
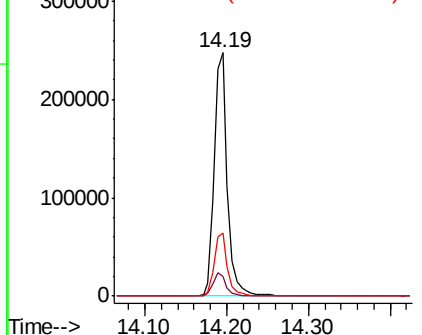
Lab File: BF108651.D

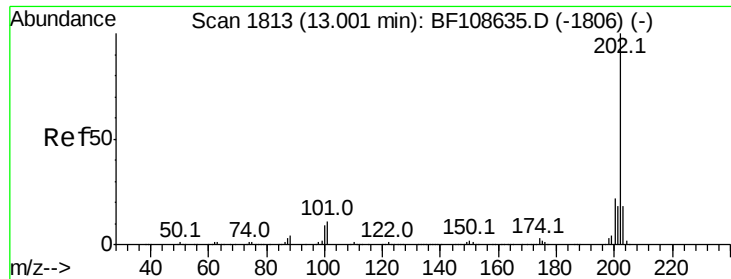
Acq: 30 Aug 2018 20:17

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	277310		
120	8.2	9.5	14.3#	
236	25.8	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





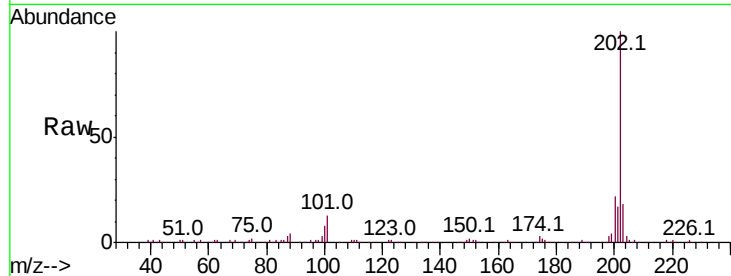
#77
Pvrene
Concen: 8.281 ng
RT: 12.99 min Scan# 1811
Delta R.T. -0.01 min
Lab File: BF108651.D
Acq: 30 Aug 2018 20:17

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

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.4	26.2
203	18.1	14.3	21.5

Manual Integrations
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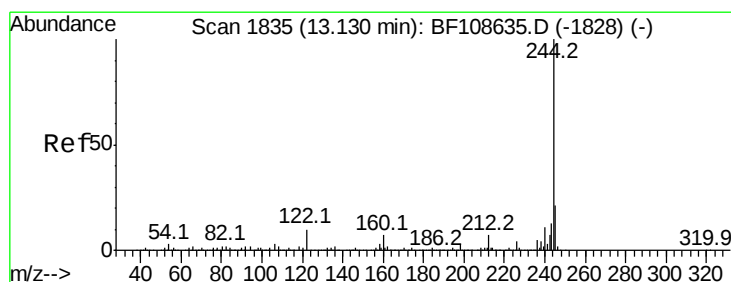
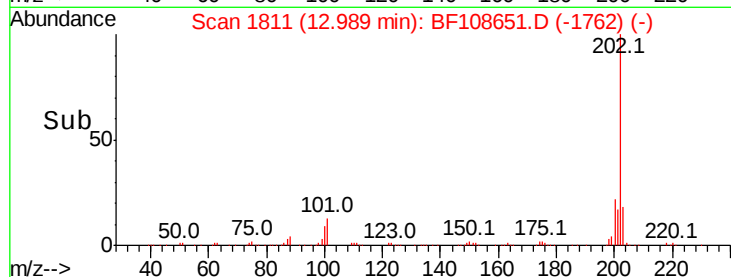
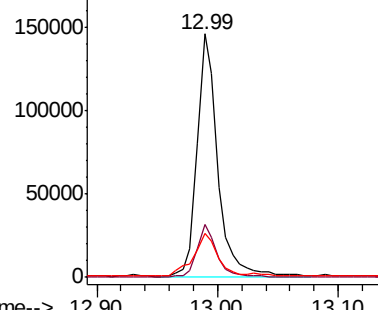


Abundance

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: 6.647 ng
RT: 13.12 min Scan# 1833
Delta R.T. -0.01 min
Lab File: BF108651.D
Acq: 30 Aug 2018 20:17

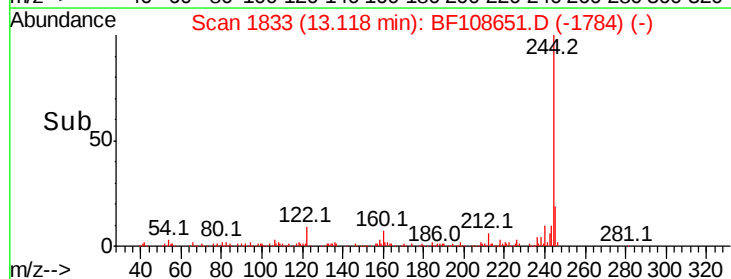
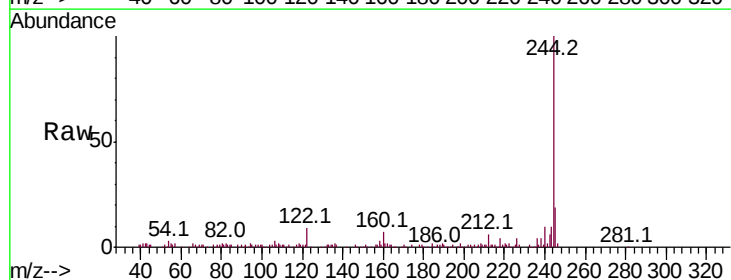
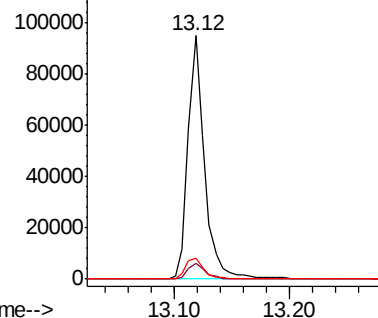
Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	8.6	11.0	16.4

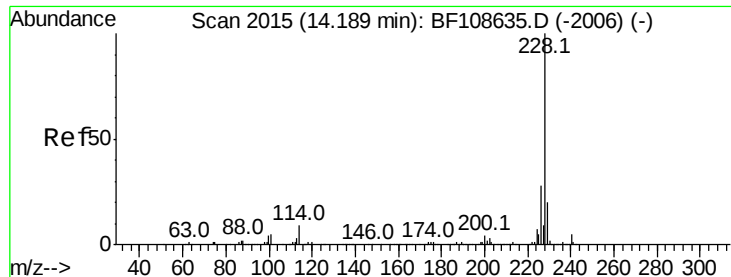
Abundance

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





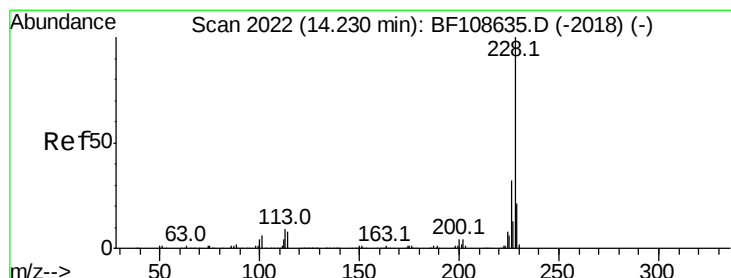
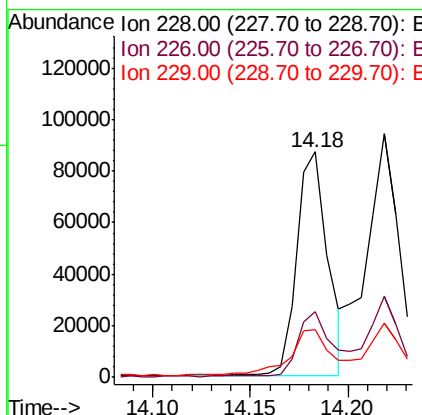
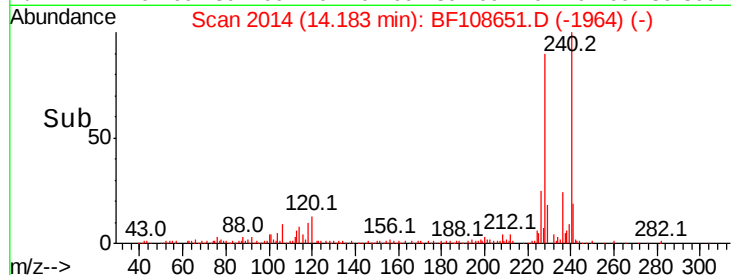
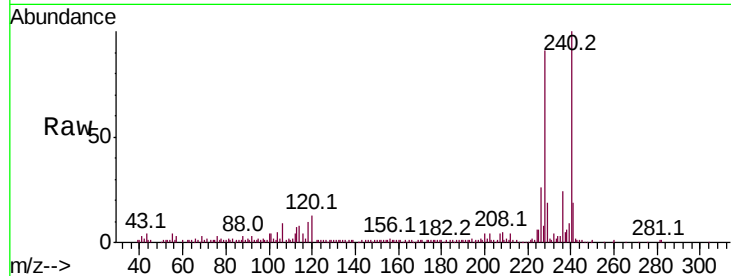
#80
Benzo(a)anthracene
Concen: 5.708 ng
RT: 14.18 min Scan# 2014
Delta R.T. -0.01 min
Lab File: BF108651.D
Acq: 30 Aug 2018 20:17

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

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.0	22.6	33.8
229	21.4	15.8	23.6

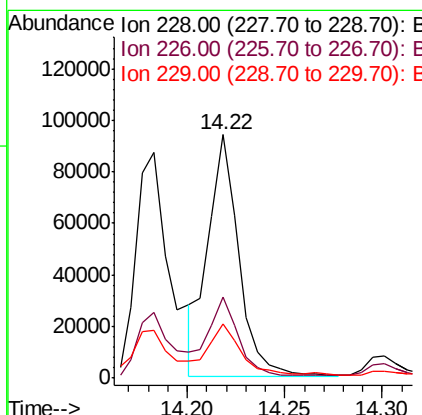
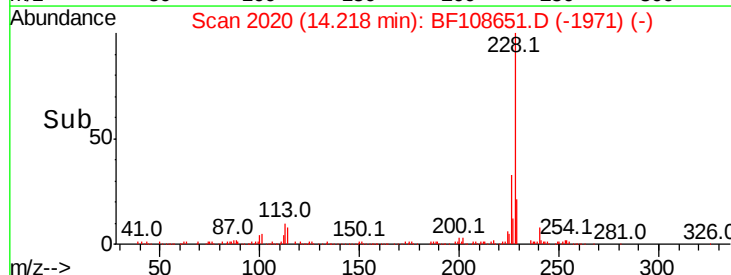
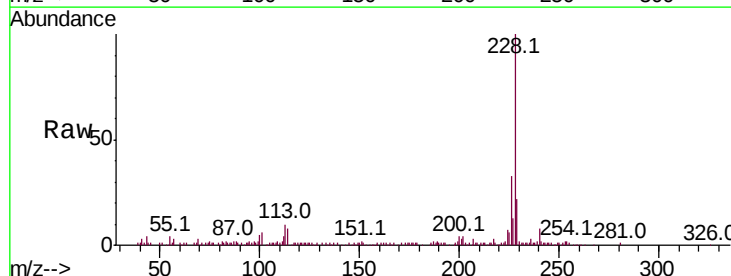
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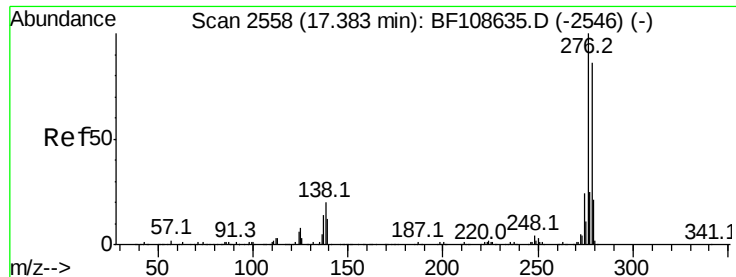
Sohil
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#82
Chrysene
Concen: 6.414 ng
RT: 14.22 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF108651.D
Acq: 30 Aug 2018 20:17

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.2	25.0	37.6
229	22.4	16.2	24.4





#85

Indeno(1,2,3-cd)pyrene

Concen: 4.175 ng

RT: 17.36 min Scan# 2554

Delta R.T. -0.02 min

Lab File: BF108651.D

Acq: 30 Aug 2018 20:17

Instrument :

BNA_F

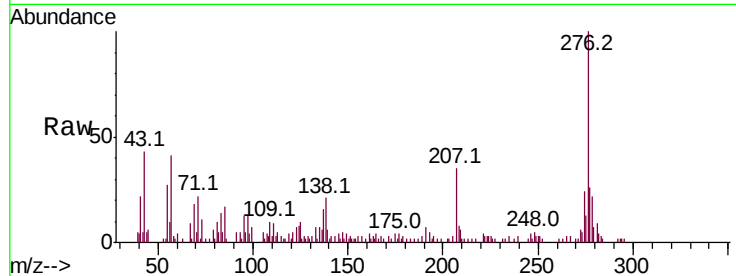
ClientSampleId :

SU-01-082918-A

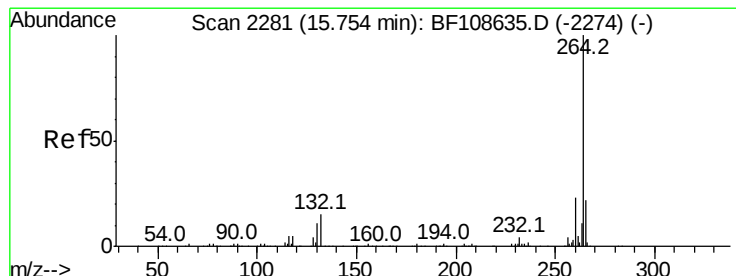
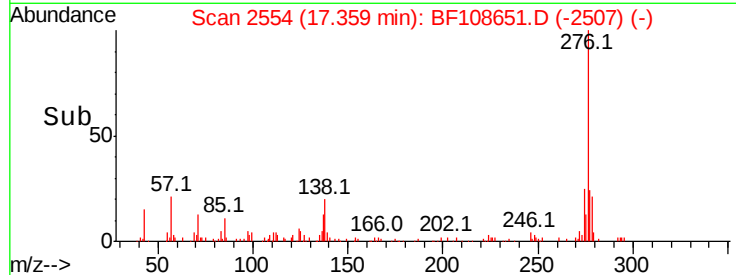
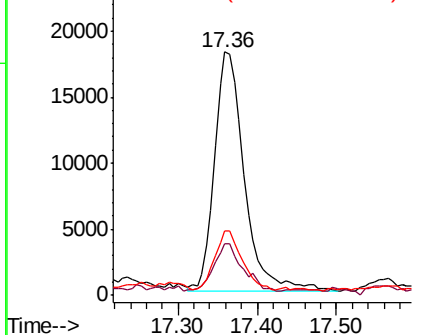
Tot Ion:	276	Resp:	47190
Ion Ratio	Lower	Upper	
276	100		
138	18.6	25.0	37.6#
277	22.2	20.1	30.1

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Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.000 ng

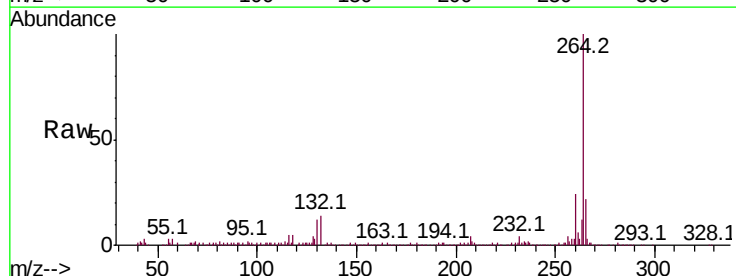
RT: 15.75 min Scan# 2280

Delta R.T. -0.01 min

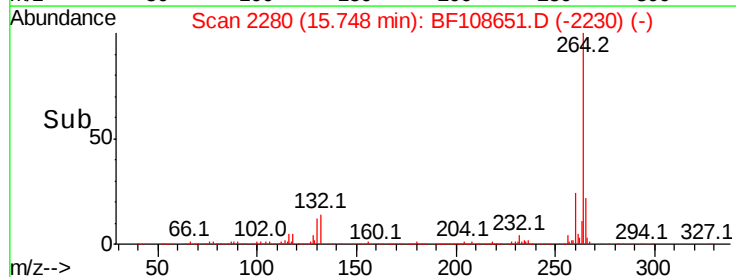
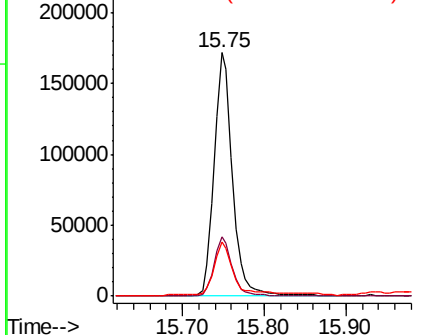
Lab File: BF108651.D

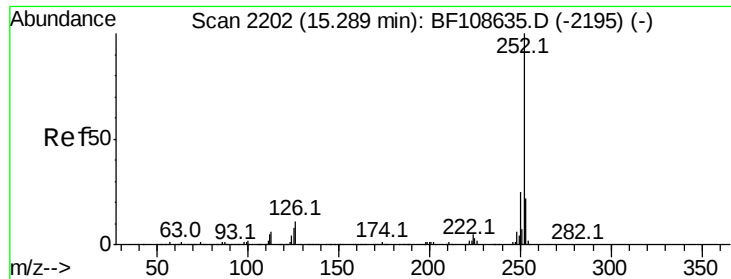
Acq: 30 Aug 2018 20:17

Tgt Ion:	264	Resp:	269325
Ion Ratio	Lower	Upper	
264	100		
260	24.1	19.2	28.8
265	22.2	17.5	26.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





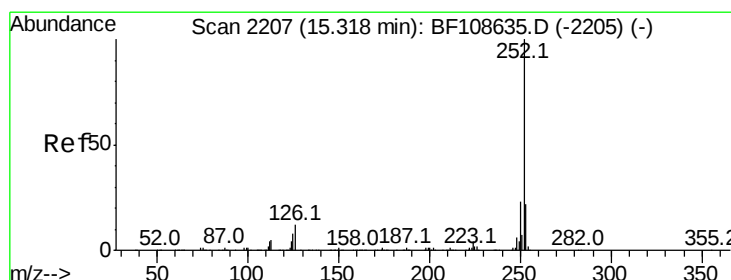
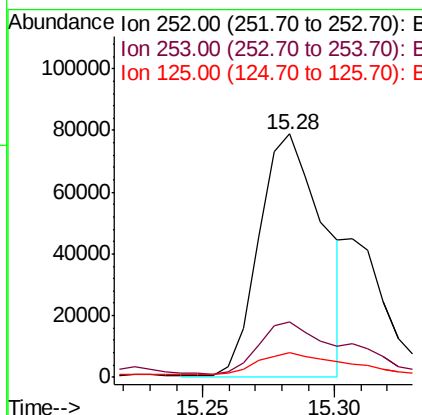
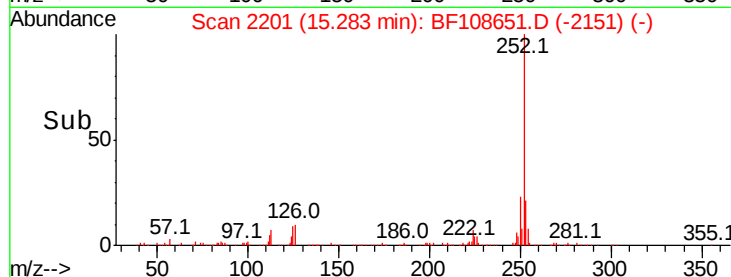
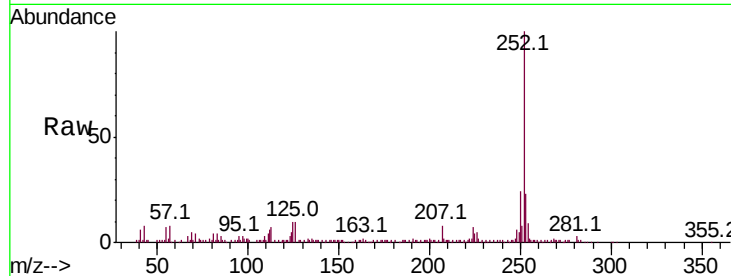
#87
Benzo(b)fluoranthene
Concen: 8.086 ng m
RT: 15.28 min Scan# 2201
Delta R.T. -0.01 min
Lab File: BF108651.D
Acq: 30 Aug 2018 20:17

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.0	25.6
125	10.1	9.0	13.6

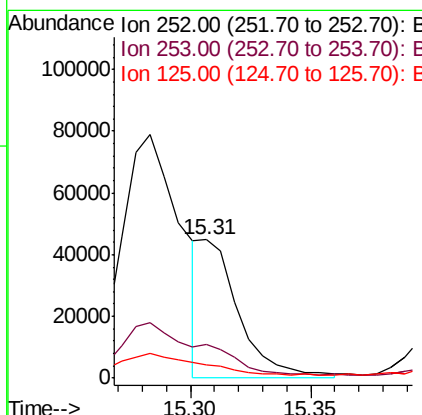
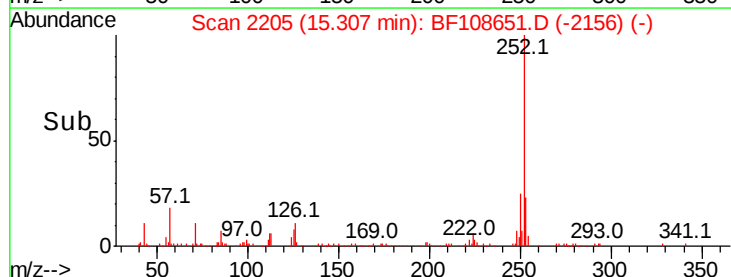
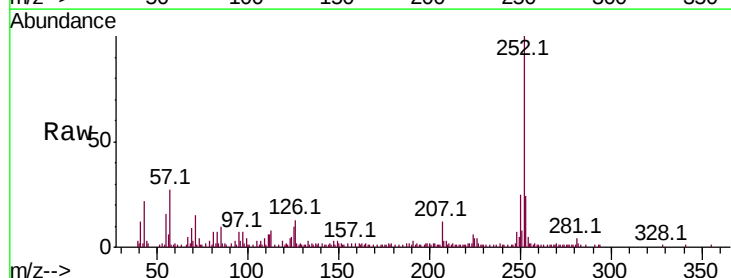
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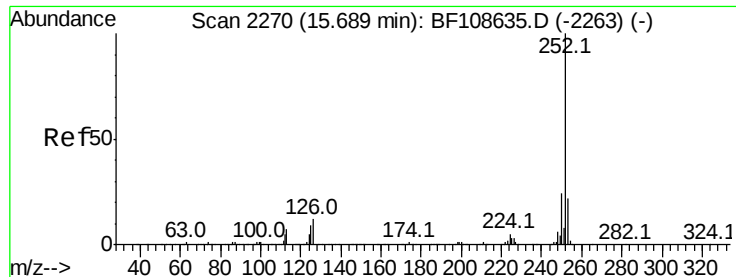
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#88
Benzo(k)fluoranthene
Concen: 3.072 ng m
RT: 15.31 min Scan# 2205
Delta R.T. -0.01 min
Lab File: BF108651.D
Acq: 30 Aug 2018 20:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	9.9	10.2	15.2#





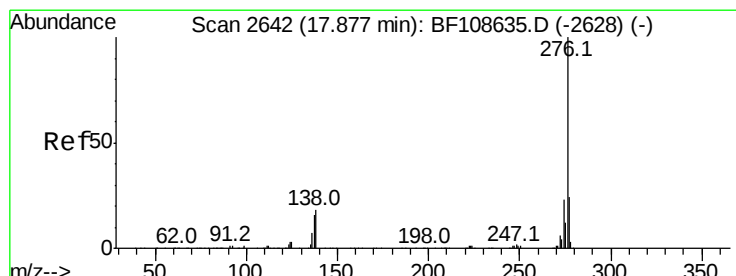
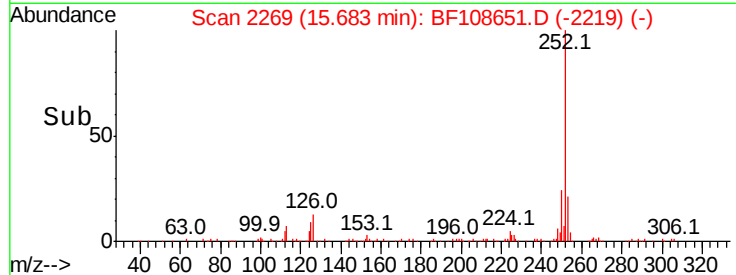
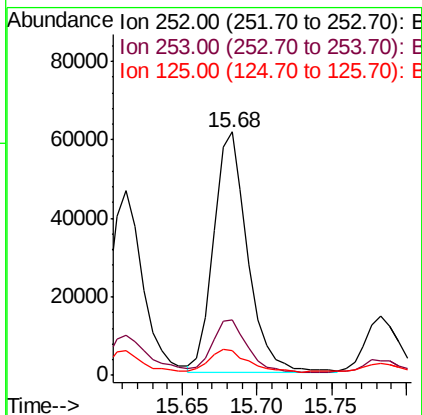
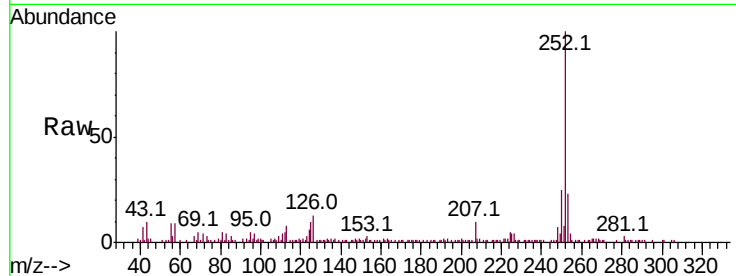
#89
Benzo(a)pyrene
Concen: 6.571 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF108651.D
Acq: 30 Aug 2018 20:17

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

Tot Ion:252	Resp:	98244
Ion Ratio	Lower	Upper
252	100	
253	22.6	17.1 25.7
125	10.4	9.8 14.6

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 3.794 ng
RT: 17.86 min Scan# 2639
Delta R.T. -0.02 min
Lab File: BF108651.D
Acq: 30 Aug 2018 20:17

Tgt Ion:276	Resp:	44030
Ion Ratio	Lower	Upper
276	100	
277	25.5	17.9 26.9
138	20.6	21.8 32.8#

