

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
 Data File : BF107716.D
 Acq On : 26 Jul 2018 22:43
 Operator : JU/SJ
 Sample : J4109-07
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-10(3-5)

Manual Integrations
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 7/27/2018 2:54:10 PM

Quant Time: Jul 27 11:55:43 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 16:29:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	184773	20.00	ng	-0.02
21) Naphthalene-d8	8.24	136	771560	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	332203	20.00	ng	-0.02
63) Phenanthrene-d10	11.50	188	570136	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	432183	20.00	ng	-0.02
86) Perylene-d12	15.68	264	478816	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	1058185	92.08	ng	-0.01
7) Phenol-d6	6.60	99	1291653	93.60	ng	-0.02
23) Nitrobenzene-d5	7.52	82	843448	73.78	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	377814	100.01	ng	-0.02
44) 2-Fluorobiphenyl	9.31	172	1493649	74.38	ng	-0.02
78) Terphenyl-d14	13.08	244	1034049	61.25	ng	-0.02
Target Compounds						
49) Dimethylphthalate	9.71	163	152142	6.077	ng	99
70) Phenanthrene	11.52	178	122203	4.398	ng	96
74) Fluoranthene	12.71	202	111717	3.747	ng	96
77) Pyrene	12.94	202	146705	4.963	ng	96
80) Benzo(a)anthracene	14.14	228	55129	2.177	ng	# 60
82) Chrysene	14.17	228	55960	2.300	ng	96
85) Indeno(1,2,3-cd)pyrene	17.24	276	43989	2.133	ng	92
87) Benzo(b)fluoranthene	15.22	252	65699m	2.507	ng	
89) Benzo(a)pyrene	15.61	252	58079	2.423	ng	98
91) Benzo(g,h,i)perylene	17.72	276	67531	3.304	ng	95

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

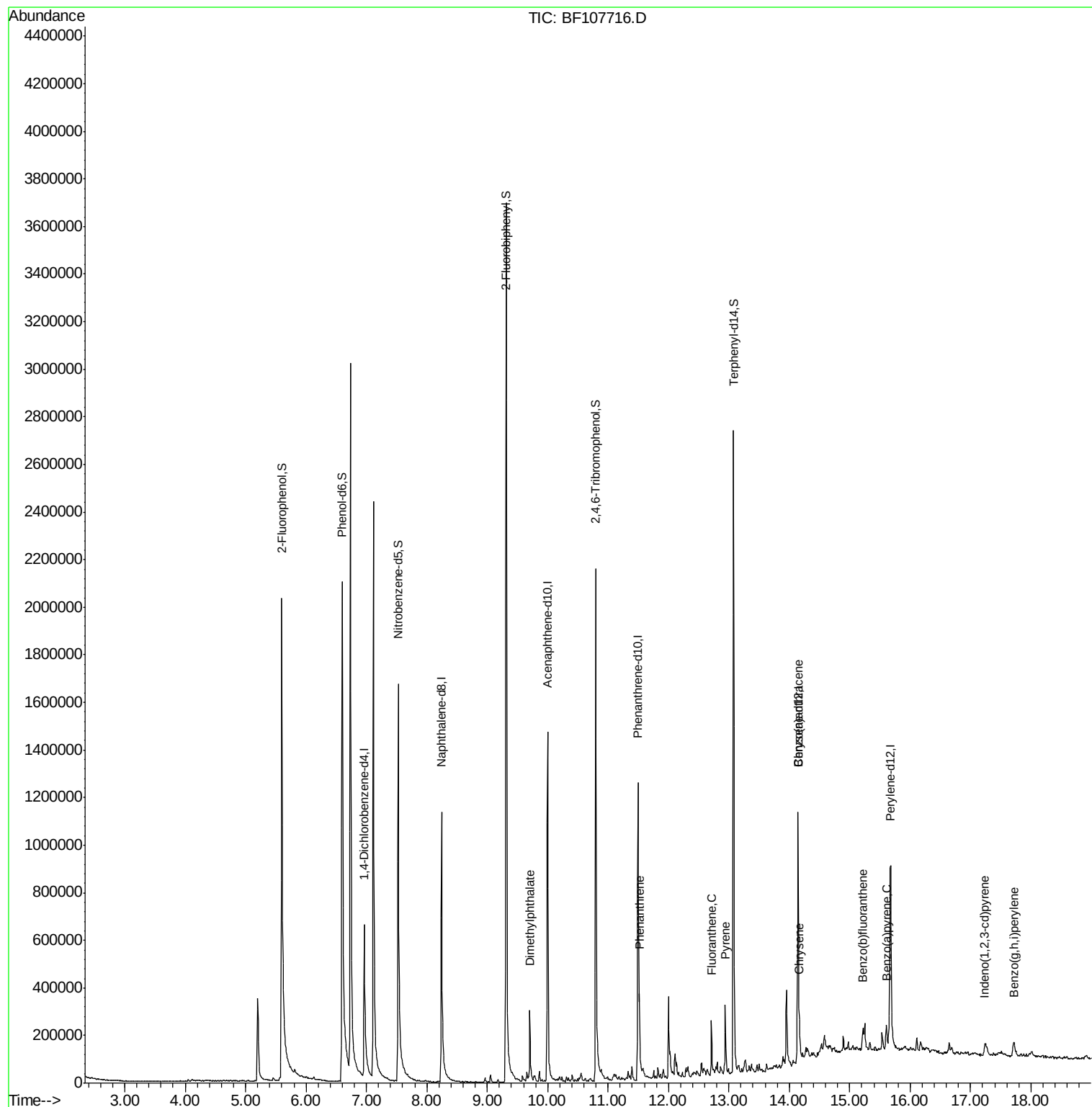
Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072618\
Data File : BF107716.D
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Sample : J4109-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

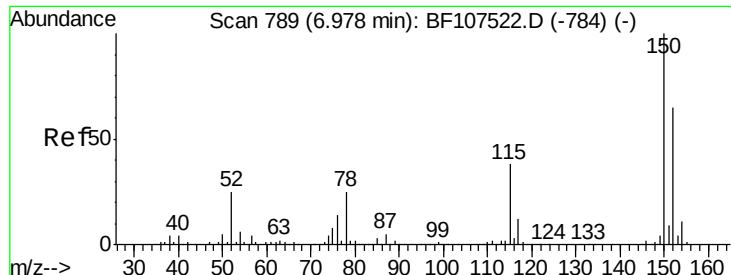
Instrument :
BNA_F
ClientSampleId :
SB-10(3-5)

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#1

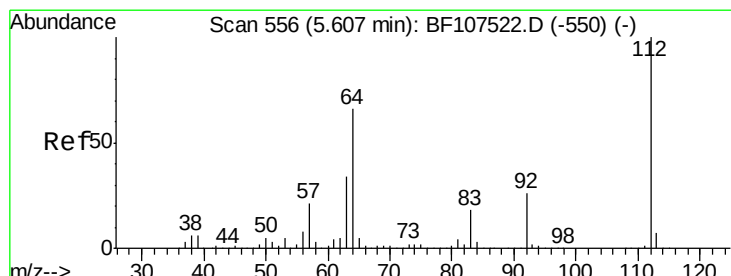
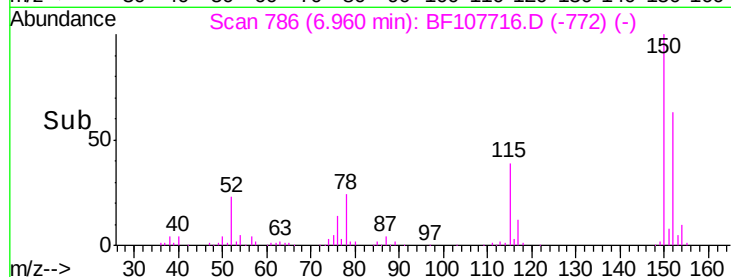
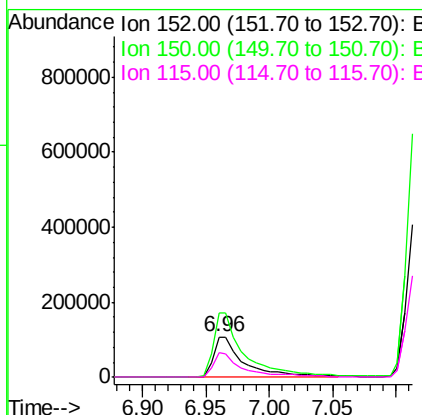
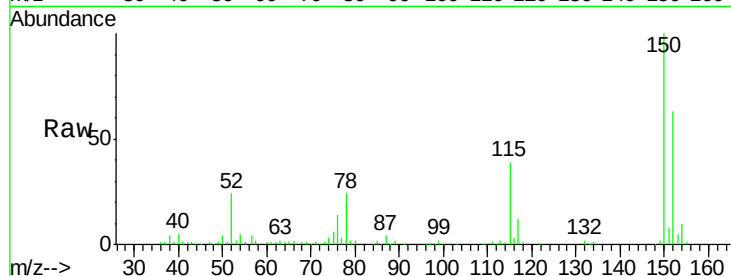
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.02 min
Lab File: BF107716.D
Acq: 26 Jul 2018 22:43

Instrument :
BNA_F
ClientSampleId :
SB-10(3-5)

Tgt Ion	Ratio	Lower	Upper
152	100		
150	158.9	124.6	186.8
115	61.9	50.1	75.1

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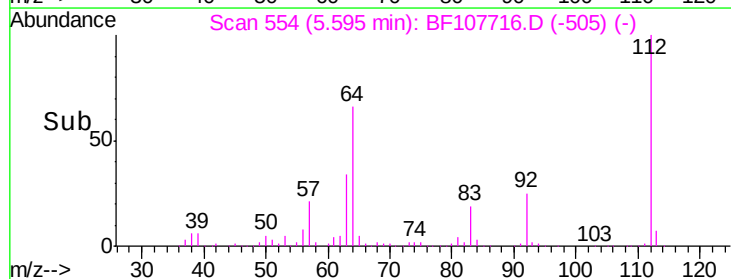
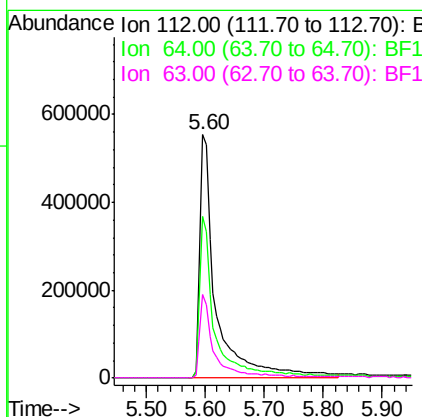
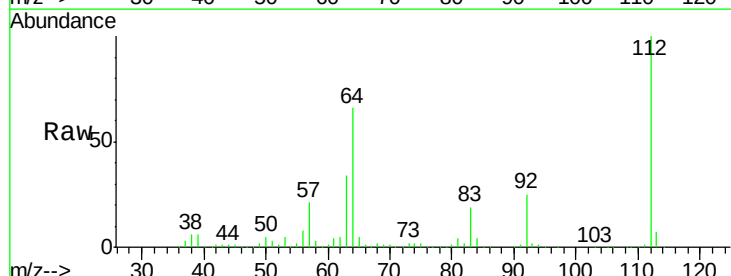
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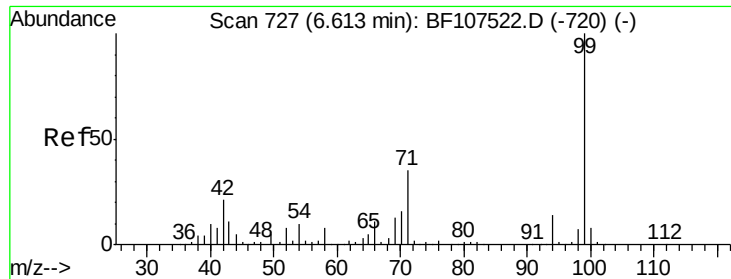


#5

2-Fluorophenol
Concen: 92.078 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107716.D
Acq: 26 Jul 2018 22:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.3	47.9	71.9
63	34.4	23.7	35.5





#7

Phenol-d6

Concen: 93.604 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107716.D

Acq: 26 Jul 2018 22:43

Instrument :

BNA_F

ClientSampleId :

SB-10(3-5)

Tgt Ion: 99 Resp: 1291653

Ion Ratio Lower Upper

99 100

42 19.1 14.5 21.7

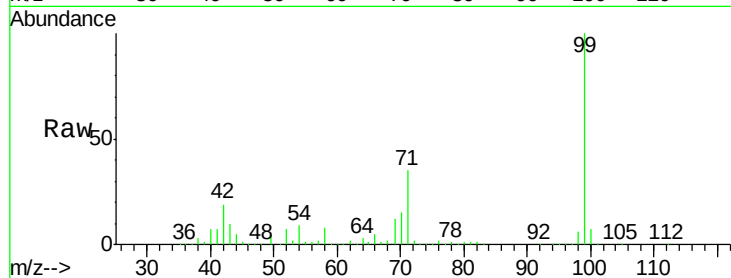
71 34.7 25.4 38.0

Manual Integrations

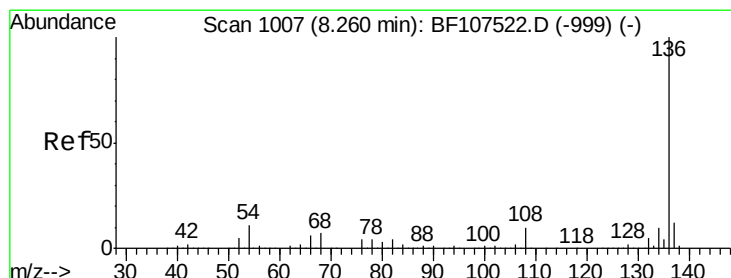
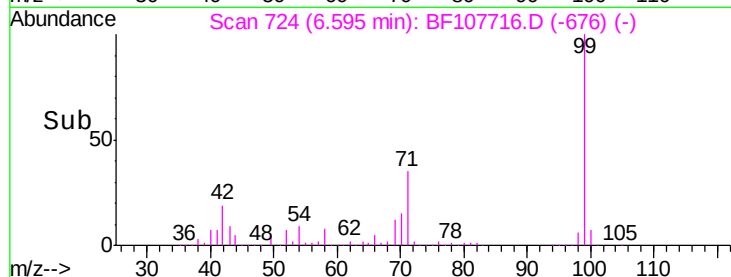
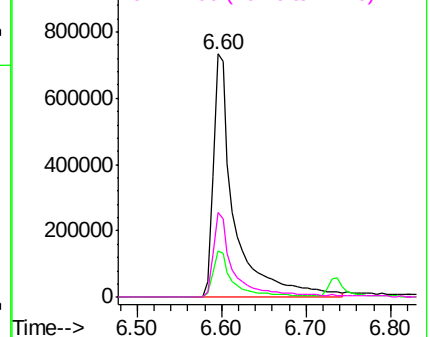
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1004

Delta R.T. -0.02 min

Lab File: BF107716.D

Acq: 26 Jul 2018 22:43

Tgt Ion: 136 Resp: 771560

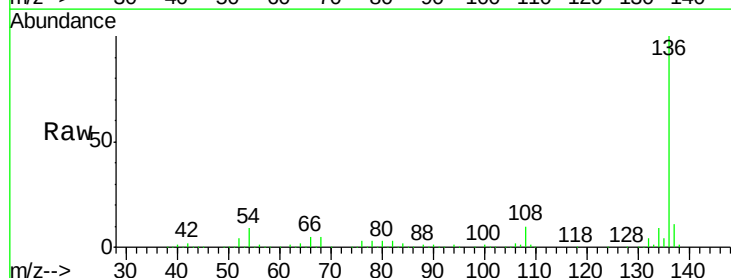
Ion Ratio Lower Upper

136 100

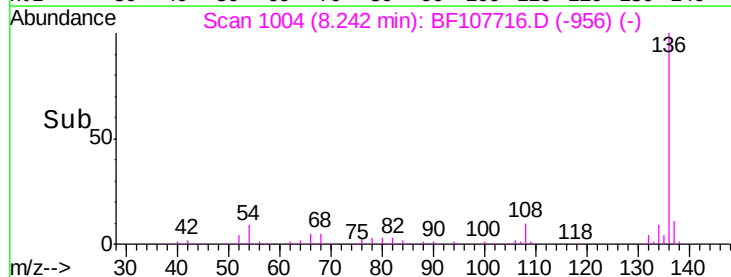
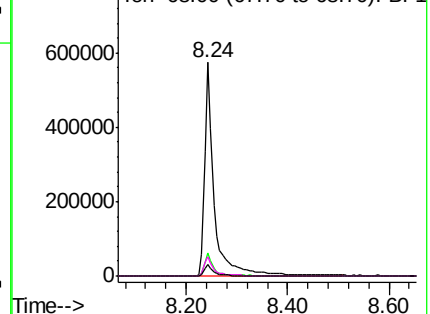
137 11.0 8.9 13.3

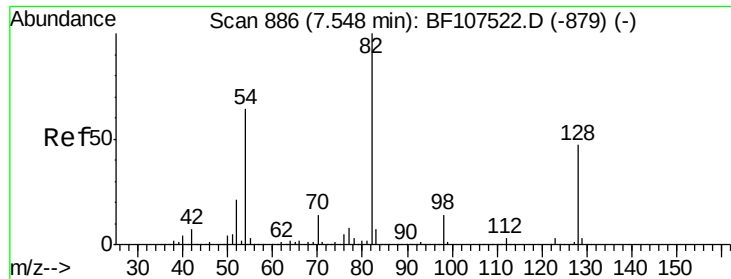
54 8.8 6.6 9.8

68 5.3 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





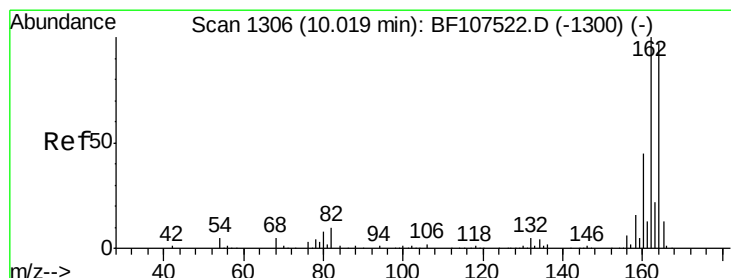
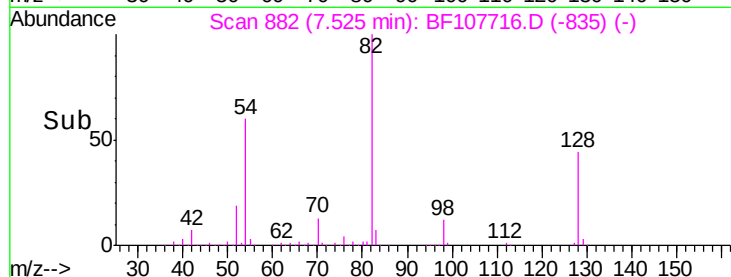
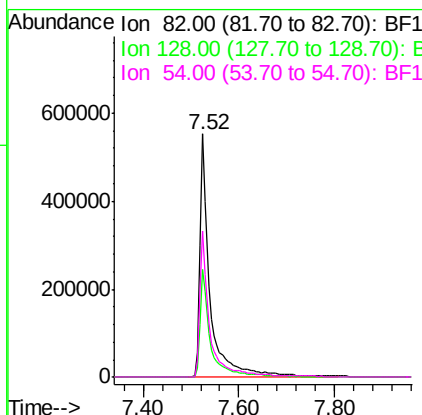
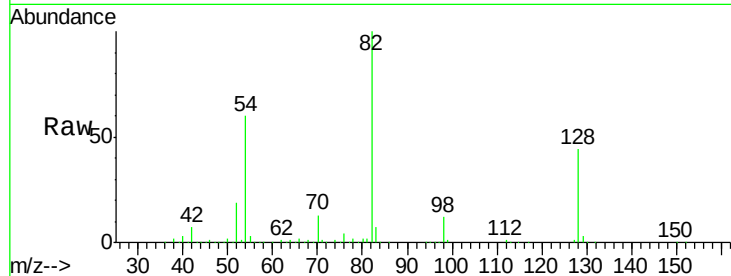
#23
 Nitrobenzene-d5
 Concen: 73.776 ng
 RT: 7.52 min Scan# 882
 Delta R.T. -0.02 min
 Lab File: BF107716.D
 Acq: 26 Jul 2018 22:43

Instrument :
 BNA_F
 ClientSampleId :
 SB-10(3-5)

Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.5	36.1	54.1
54	59.9	41.4	62.2

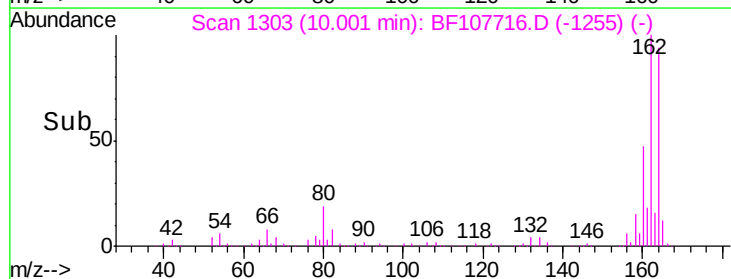
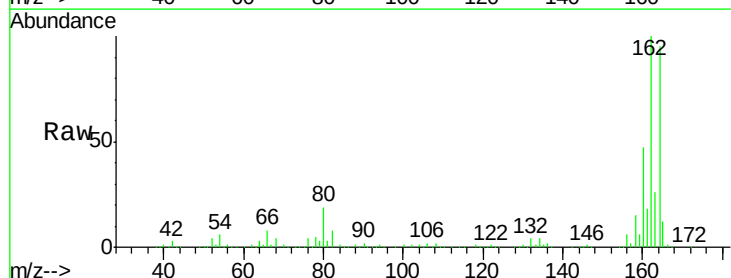
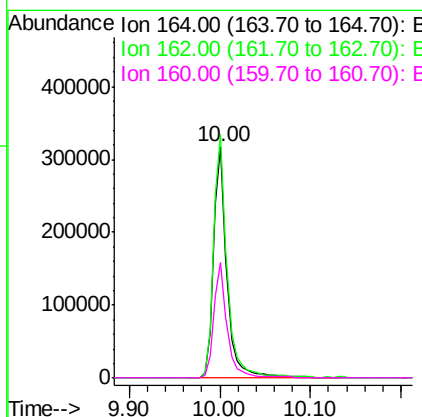
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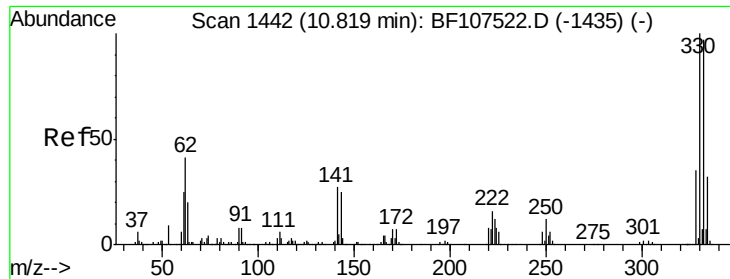
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. -0.02 min
 Lab File: BF107716.D
 Acq: 26 Jul 2018 22:43

Tgt Ion	Ratio	Lower	Upper
164	100		
162	105.4	86.1	129.1
160	49.8	38.3	57.5





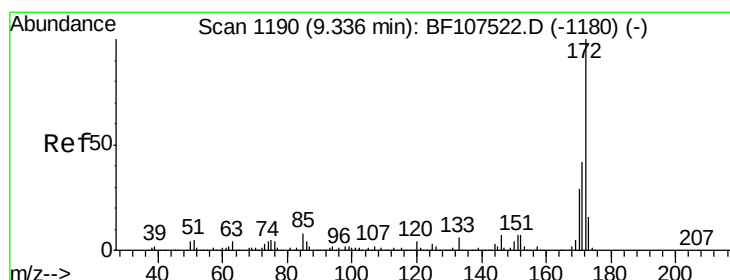
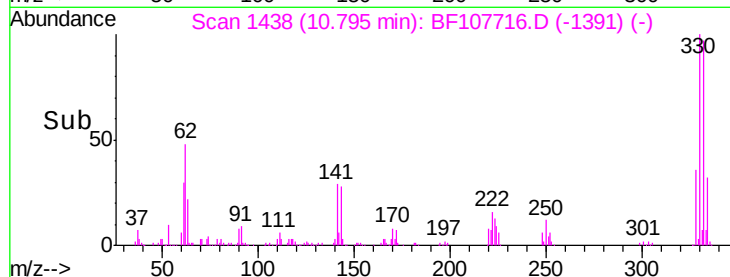
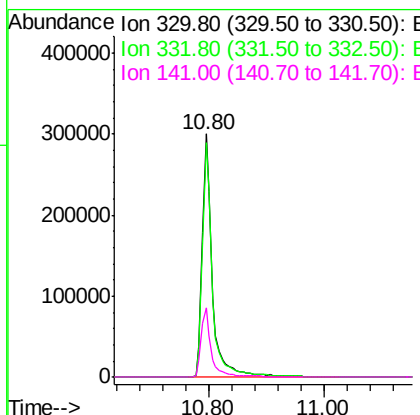
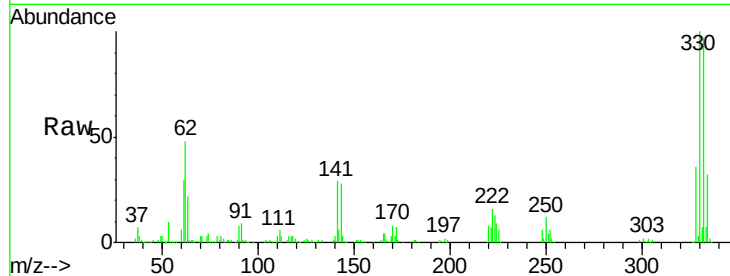
#41
 2,4,6-Tribromophenol
 Concen: 100.013 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.02 min
 Lab File: BF107716.D
 Acq: 26 Jul 2018 22:43

Instrument :
 BNA_F
 ClientSampleId :
 SB-10(3-5)

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	377814		
332	95.8	77.0	115.6	
141	28.0	29.9	44.9#	

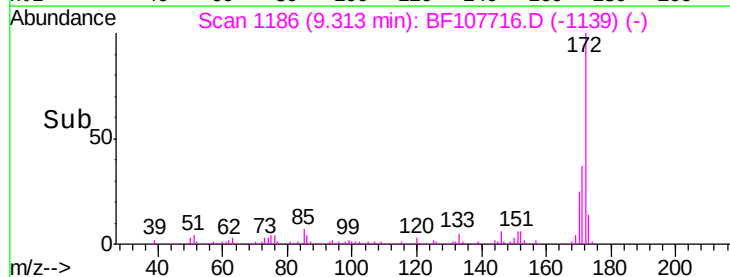
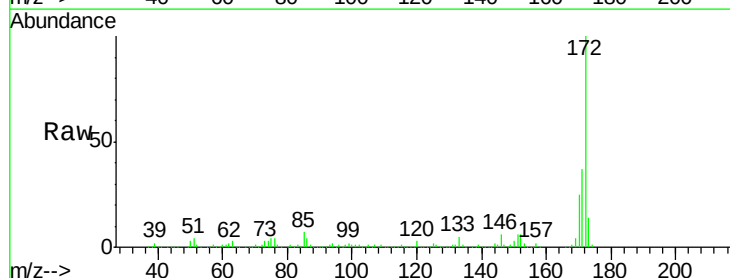
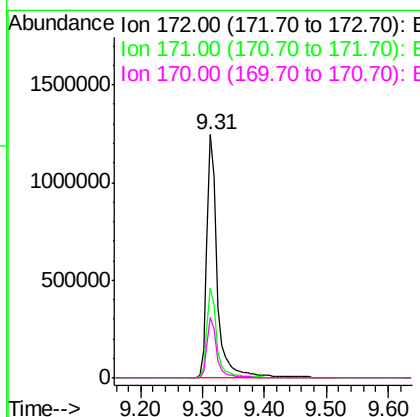
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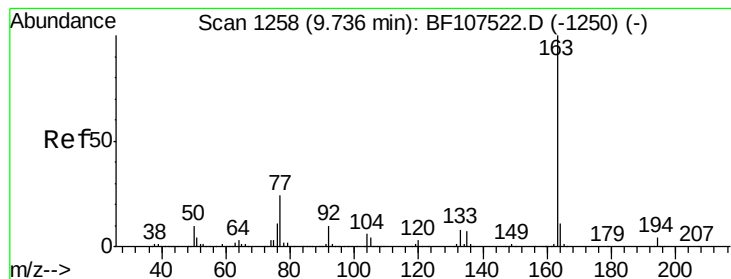
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#44
 2-Fluorobiphenyl
 Concen: 74.380 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.02 min
 Lab File: BF107716.D
 Acq: 26 Jul 2018 22:43

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	1493649		
171	36.9	29.7	44.5	
170	25.0	19.6	29.4	





#49

Dimethylphthalate

Concen: 6.077 ng

RT: 9.71 min Scan# 1253

Delta R.T. -0.03 min

Lab File: BF107716.D

Acq: 26 Jul 2018 22:43

Instrument :

BNA_F

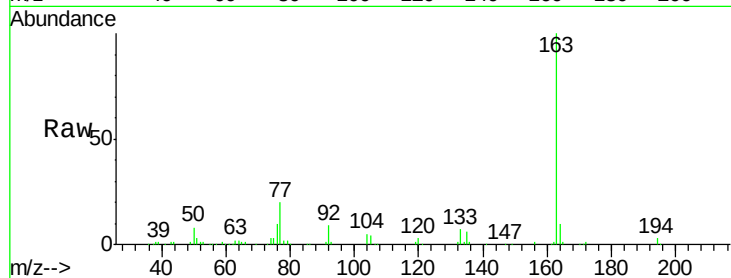
ClientSampleId :

SB-10(3-5)

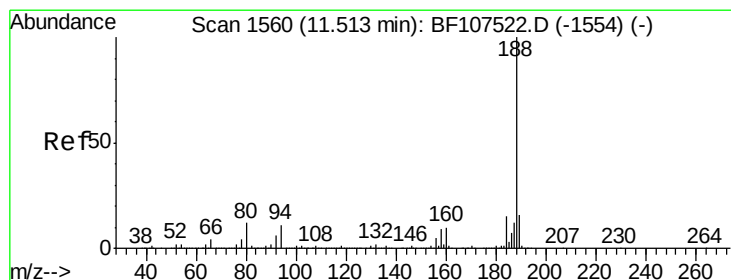
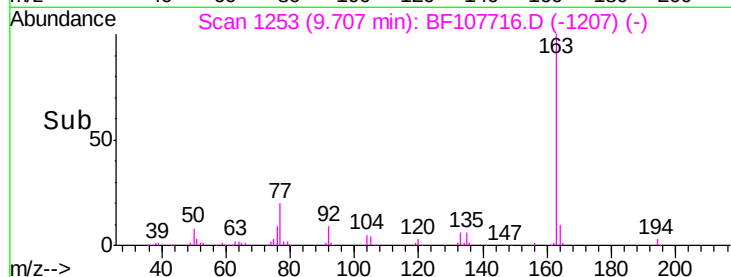
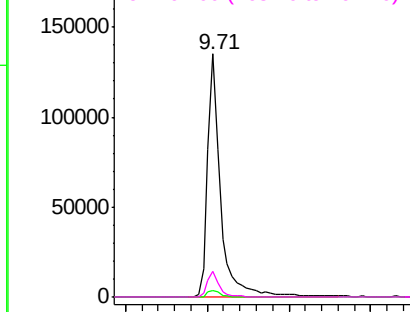
Tgt Ion:	163	Resp:	152142
Ion Ratio	Lower	Upper	
163	100		
194	2.9	2.7	4.1
164	10.5	8.2	12.2

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Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

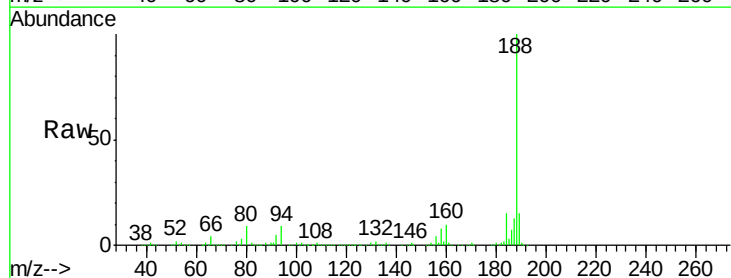
RT: 11.50 min Scan# 1557

Delta R.T. -0.02 min

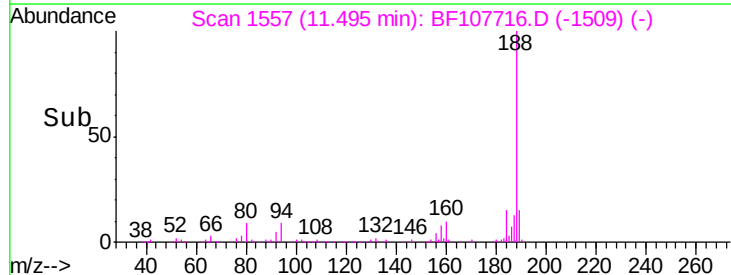
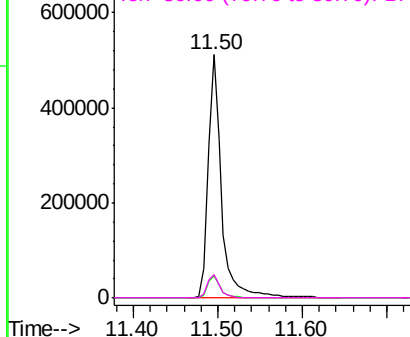
Lab File: BF107716.D

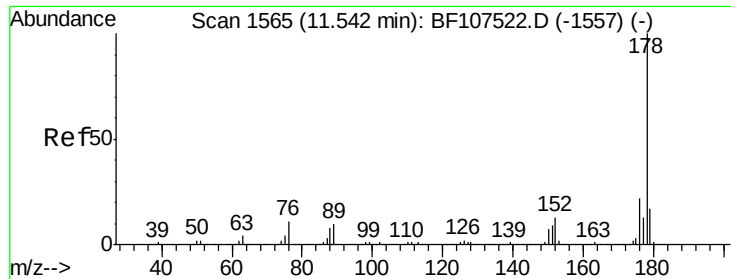
Acq: 26 Jul 2018 22:43

Tgt Ion:	188	Resp:	570136
Ion Ratio	Lower	Upper	
188	100		
94	8.9	8.5	12.7
80	9.5	9.2	13.8



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1





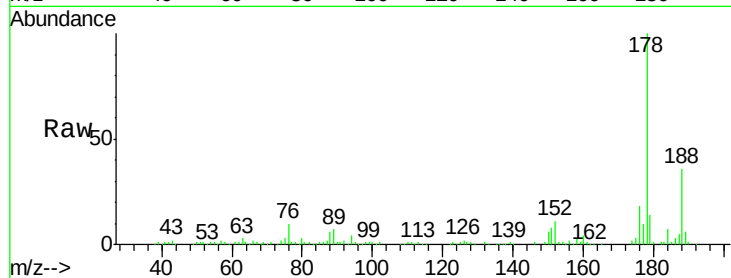
#70
Phenanthrene
Concen: 4.398 ng
RT: 11.52 min Scan# 1561
Delta R.T. -0.02 min
Lab File: BF107716.D
Acq: 26 Jul 2018 22:43

Instrument :
BNA_F
ClientSampled :
SB-10(3-5)

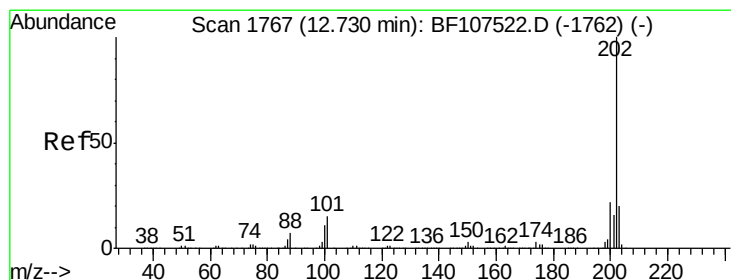
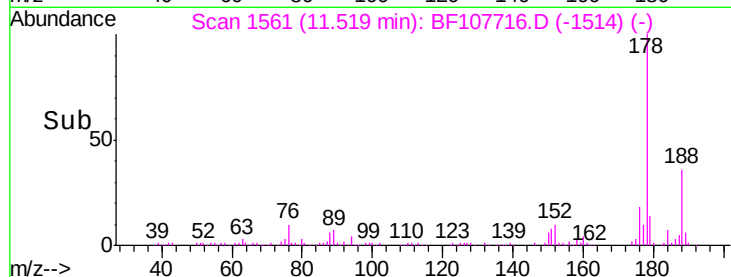
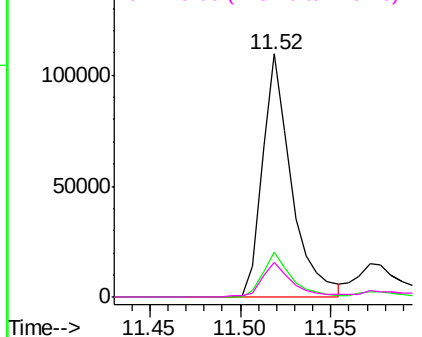
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.8	23.8
179	14.2	13.0	19.6

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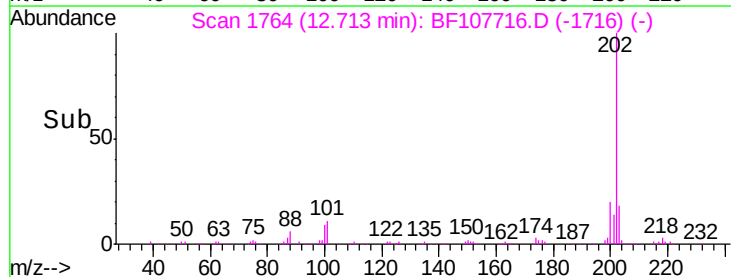
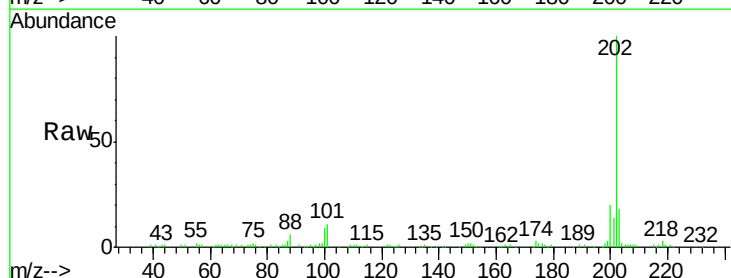
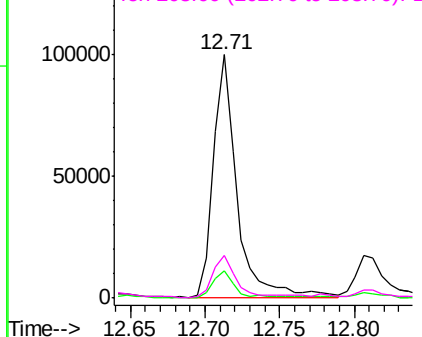
Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

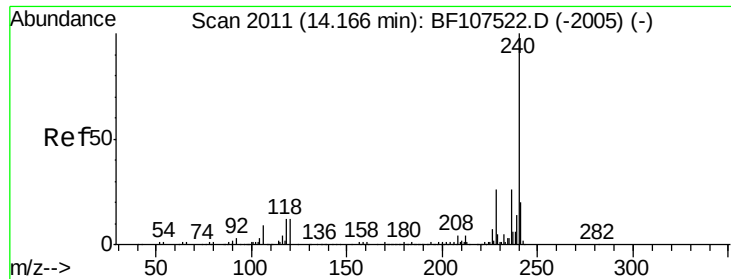


#74
Fluoranthene
Concen: 3.747 ng
RT: 12.71 min Scan# 1764
Delta R.T. -0.02 min
Lab File: BF107716.D
Acq: 26 Jul 2018 22:43

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	34.1
203	17.6	0.0	38.1

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: 14.14 min Scan# 2007

Delta R.T. -0.02 min

Lab File: BF107716.D

Acq: 26 Jul 2018 22:43

Instrument :

BNA_F

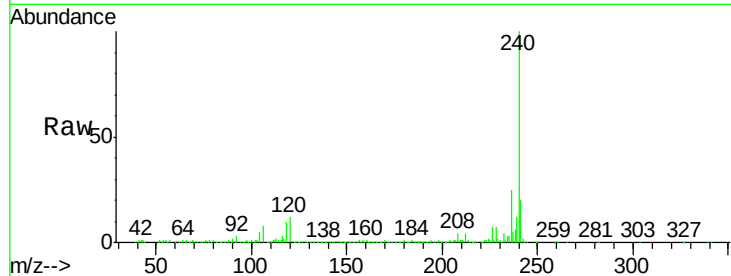
ClientSampleId :

SB-10(3-5)

Tgt	Ion	240	Resp:	432183
Ion	Ratio	Lower	Upper	
240	100			
120	12.0	9.5	14.3	
236	25.1	20.7	31.1	

Manual Integrations
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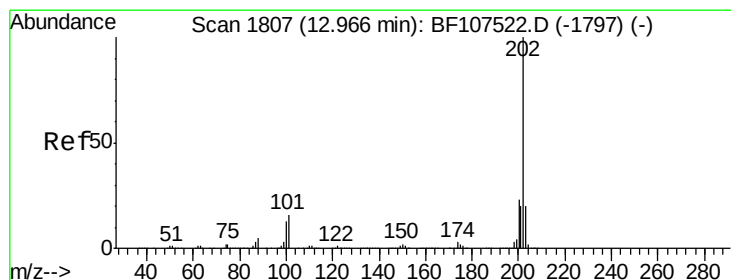
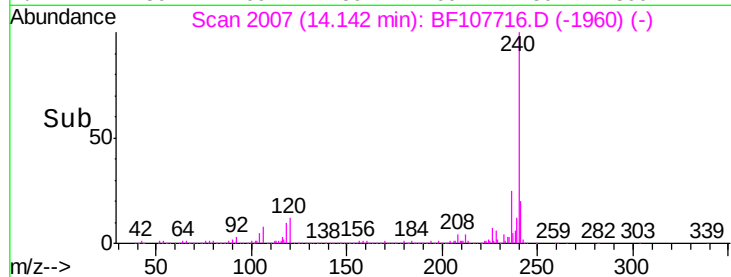
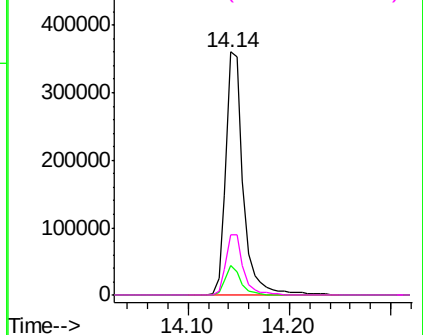
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 4.963 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.02 min

Lab File: BF107716.D

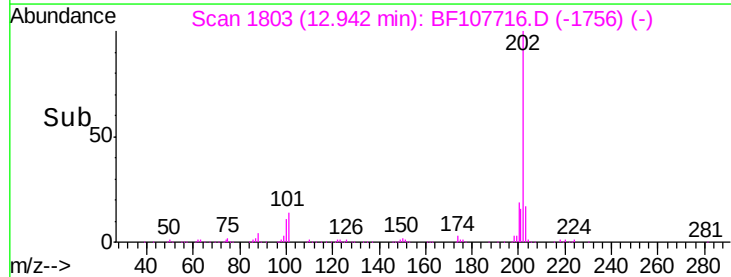
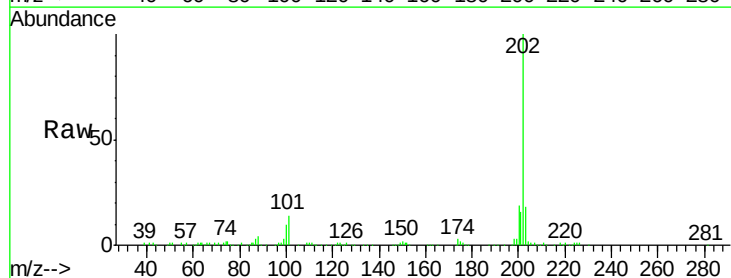
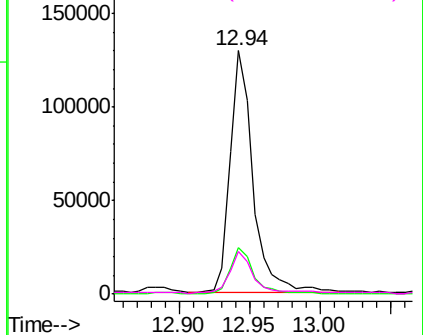
Acq: 26 Jul 2018 22:43

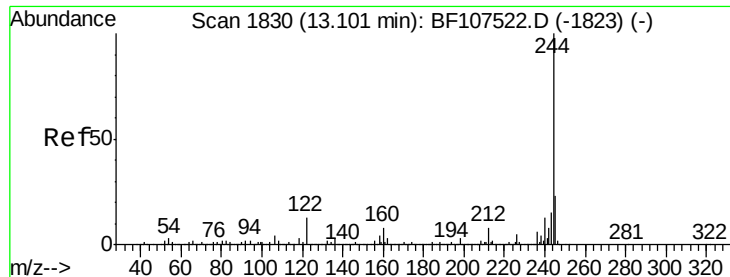
Tgt	Ion	202	Resp:	146705
Ion	Ratio	Lower	Upper	
202	100			
200	19.0	17.4	26.2	
203	17.5	14.3	21.5	

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: 61.253 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.02 min

Lab File: BF107716.D

Acq: 26 Jul 2018 22:43

Instrument :

BNA_F

ClientSampleId :

SB-10(3-5)

Tgt Ion:244 Resp: 1034049

Ion Ratio Lower Upper

244 100

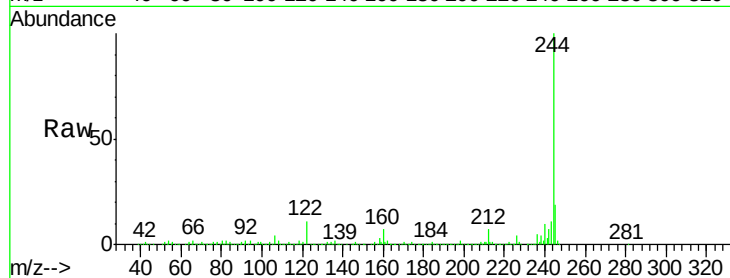
212 6.6 5.4 8.0

122 10.9 11.0 16.4#

Manual Integrations
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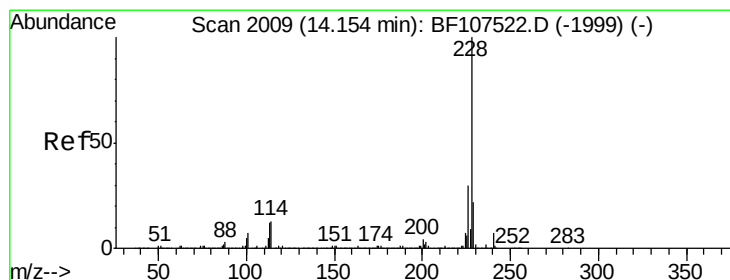
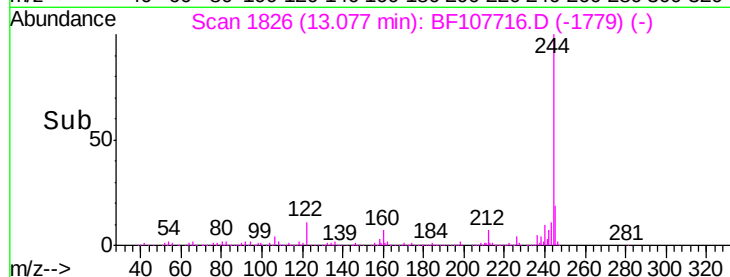
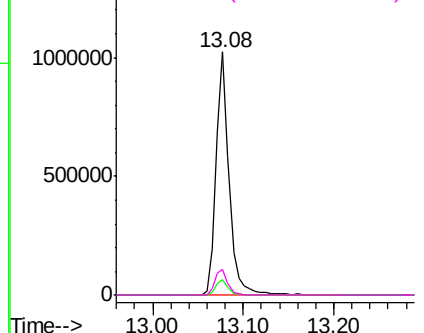
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Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 2.177 ng

RT: 14.14 min Scan# 2006

Delta R.T. -0.02 min

Lab File: BF107716.D

Acq: 26 Jul 2018 22:43

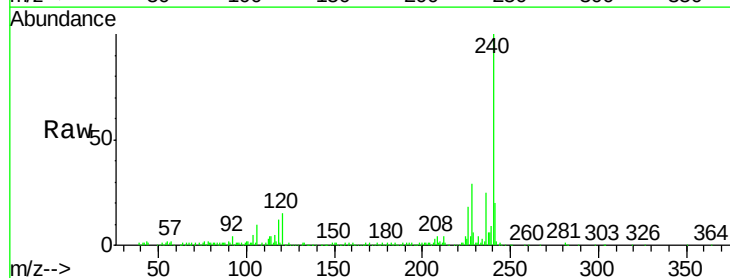
Tgt Ion:228 Resp: 55129

Ion Ratio Lower Upper

228 100

226 63.1 22.6 33.8#

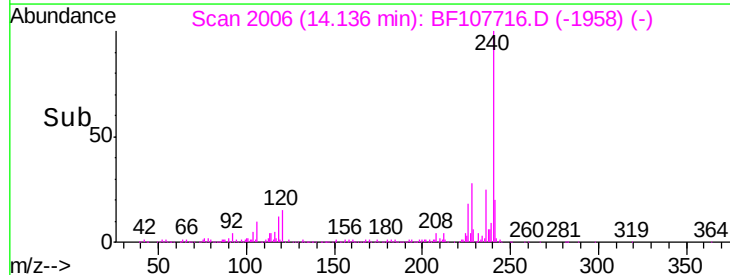
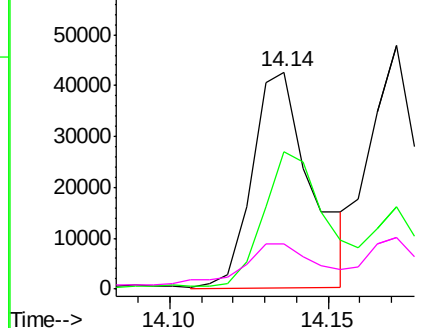
229 21.0 15.8 23.6

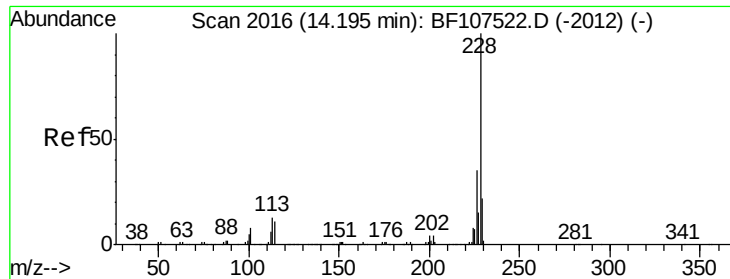


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





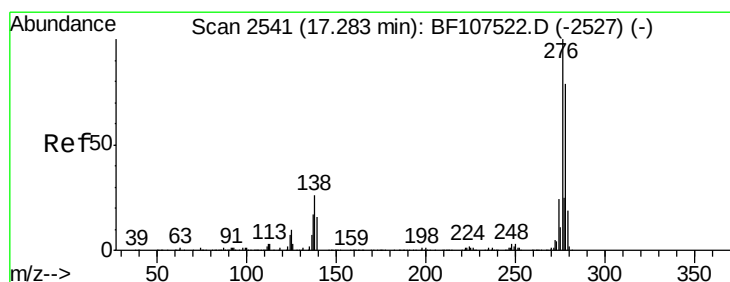
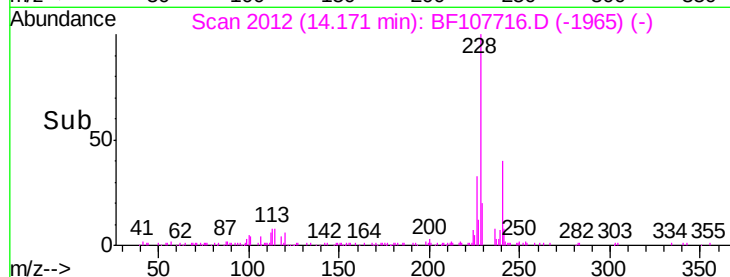
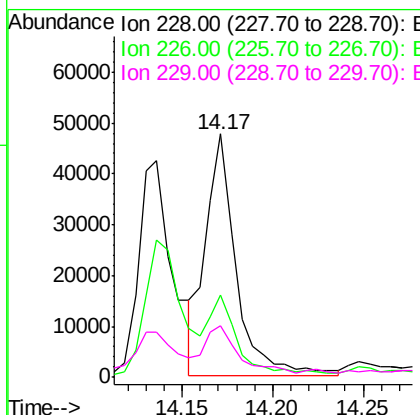
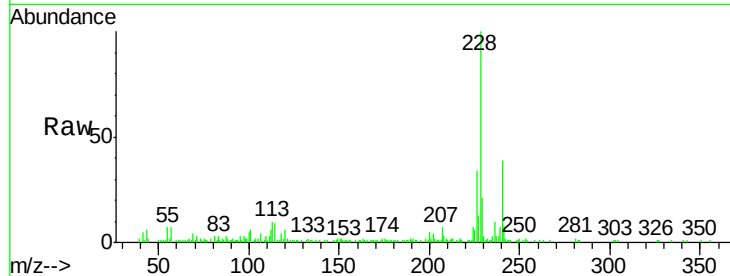
#82
Chrysene
Concen: 2.300 ng
RT: 14.17 min Scan# 2012
Delta R.T. -0.02 min
Lab File: BF107716.D
Acq: 26 Jul 2018 22:43

Instrument :
BNA_F
ClientSampleId :
SB-10(3-5)

Tgt Ion: 228 Resp: 55960
Ion Ratio Lower Upper
228 100
226 33.9 25.0 37.6
229 21.3 16.2 24.4

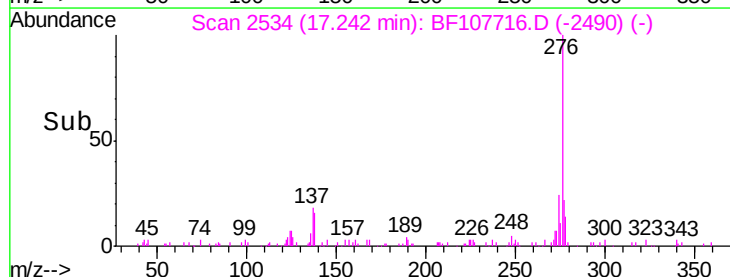
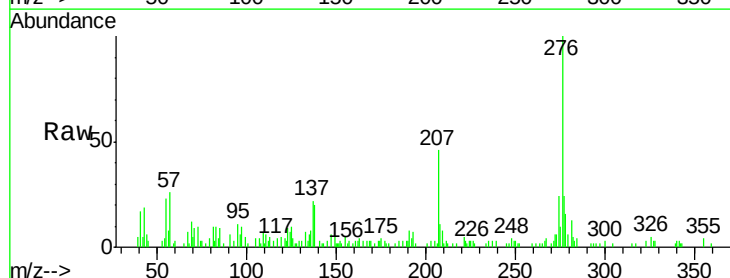
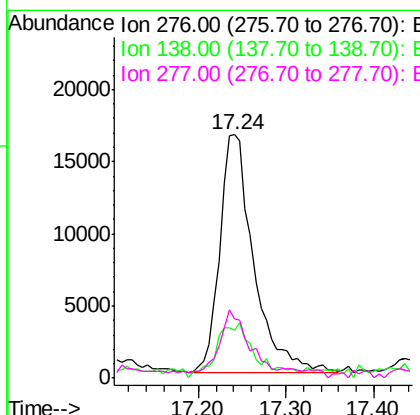
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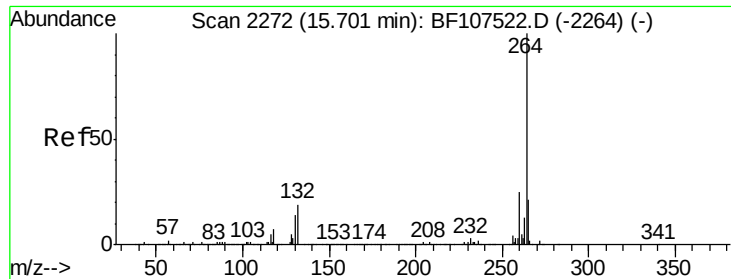
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#85
Indeno(1,2,3-cd)pyrene
Concen: 2.133 ng
RT: 17.24 min Scan# 2534
Delta R.T. -0.04 min
Lab File: BF107716.D
Acq: 26 Jul 2018 22:43

Tgt Ion: 276 Resp: 43989
Ion Ratio Lower Upper
276 100
138 27.1 25.0 37.6
277 21.3 20.1 30.1





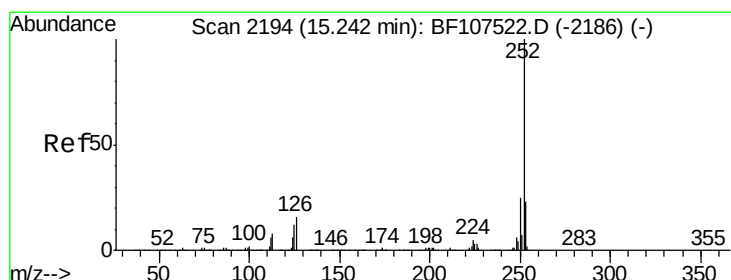
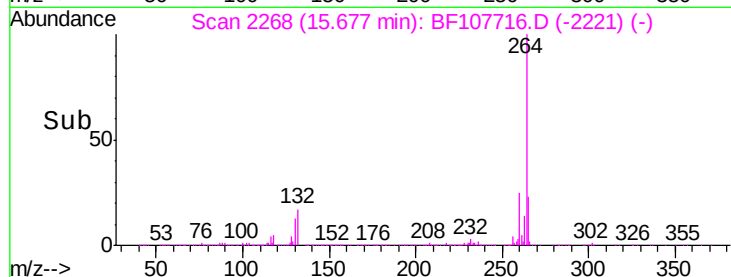
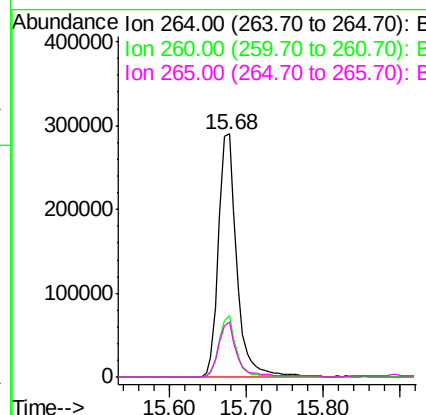
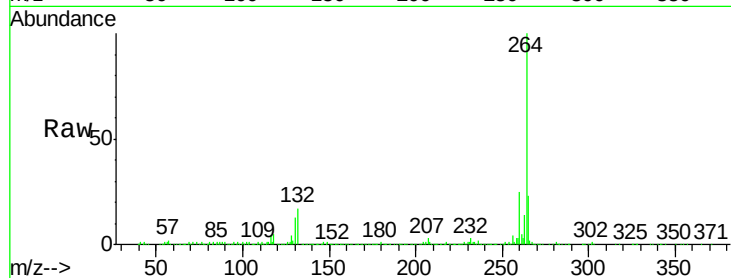
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2268
Delta R.T. -0.02 min
Lab File: BF107716.D
Acq: 26 Jul 2018 22:43

Instrument :
BNA_F
ClientSampleId :
SB-10(3-5)

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.2	28.8
265	22.7	17.5	26.3

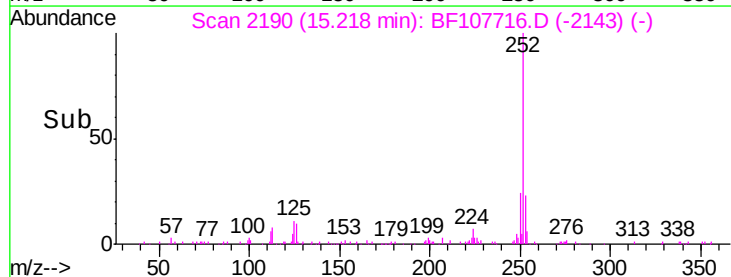
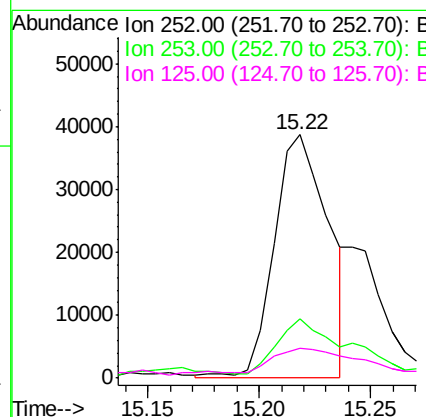
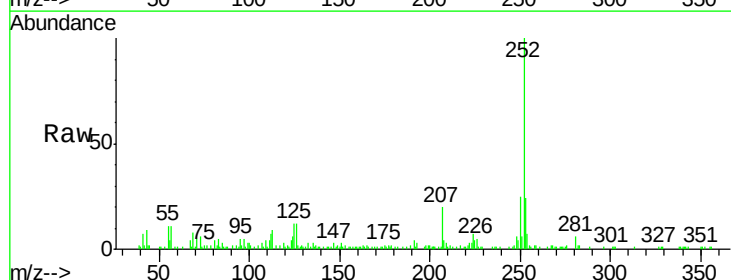
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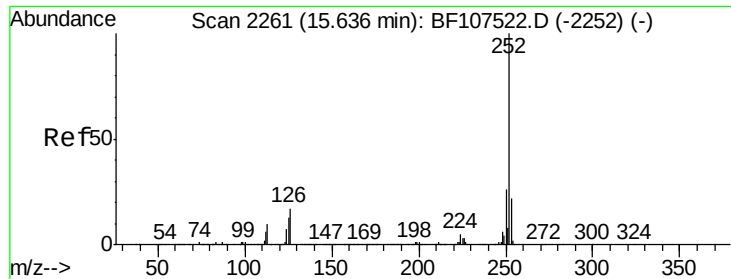
Sohil
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#87
Benzo(b)fluoranthene
Concen: 2.507 ng m
RT: 15.22 min Scan# 2190
Delta R.T. -0.02 min
Lab File: BF107716.D
Acq: 26 Jul 2018 22:43

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.0	25.6
125	12.4	9.0	13.6





#89

Benzo(a)pyrene

Concen: 2.423 ng

RT: 15.61 min Scan# 2256

Delta R.T. -0.03 min

Lab File: BF107716.D

Acq: 26 Jul 2018 22:43

Instrument :

BNA_F

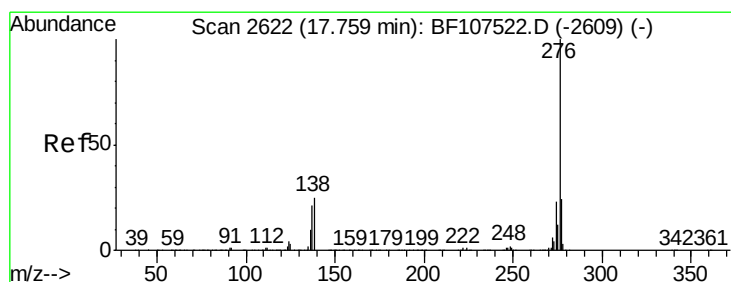
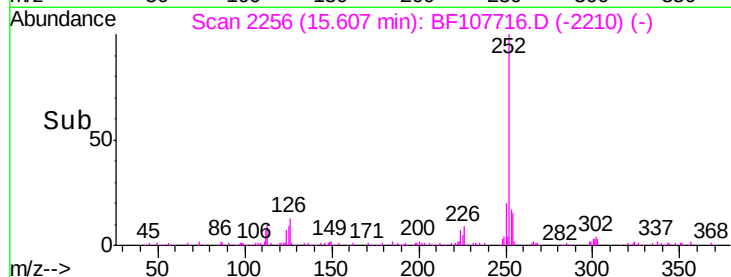
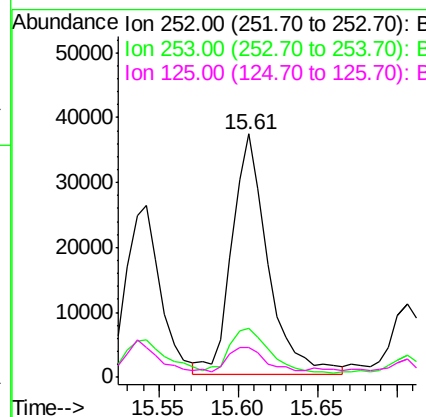
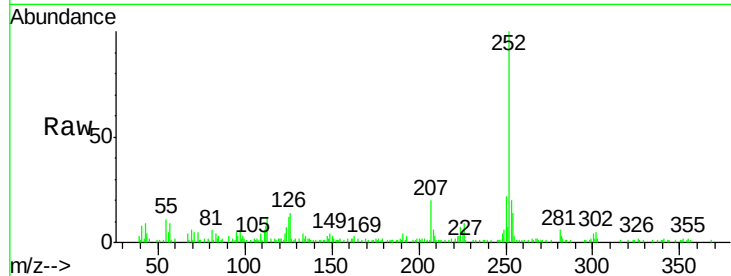
ClientSampleId :

SB-10(3-5)

Tgt Ion:	252	Resp:	58079
Ion Ratio	Lower	Upper	
252	100		
253	20.0	17.1	25.7
125	12.3	9.8	14.6

Manual Integrations
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#91

Benzo(g,h,i)perylene

Concen: 3.304 ng

RT: 17.72 min Scan# 2615

Delta R.T. -0.04 min

Lab File: BF107716.D

Acq: 26 Jul 2018 22:43

Tgt Ion:	276	Resp:	67531
Ion Ratio	Lower	Upper	
276	100		
277	23.6	17.9	26.9
138	23.3	21.8	32.8

