

Data Path : Z:\HPCHEM1\BNA F\DATA\BF010418\
 Data File : BF101915.D
 Acq On : 5 Jan 2018 5:07
 Operator : SJ/JU
 Sample : J1004-18
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-12-COMP

Manual Integrations
 APPROVED

Sohil
 1/5/2018 10:30:08 AM

Quant Time: Jan 05 06:21:58 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 04 14:22:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	136327	20.00	ng	0.00
21) Naphthalene-d8	8.05	136	491253	20.00	ng	0.00
38) Acenaphthene-d10	9.80	164	169858	20.00	ng	0.00
63) Phenanthrene-d10	11.30	188	263787	20.00	ng	0.00
75) Chrysene-d12	13.96	240	261760	20.00	ng	0.00
86) Perylene-d12	15.43	264	184240	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	957213	104.59	ng	0.00
7) Phenol-d6	6.42	99	1125233	98.79	ng	0.00
23) Nitrobenzene-d5	7.35	82	687868	77.94	ng	0.00
41) 2,4,6-Tribromophenol	10.61	330	119596	73.07	ng	0.00
44) 2-Fluorobiphenyl	9.12	172	687555	62.79	ng	0.00
78) Terphenyl-d14	12.88	244	501418	46.18	ng	0.00
Target Compounds						
10) Phenol	6.44	94	52278	4.027	ng	Qvalue # 51
31) Naphthalene	8.08	128	60619	2.451	ng	99
49) Dimethylphthalate	9.53	163	72266	5.289	ng	99
51) Acenaphthene	9.84	154	28698	2.624	ng	97
57) Fluorene	10.36	166	37172	3.161	ng	97
70) Phenanthrene	11.33	178	351290	23.947	ng	99
71) Anthracene	11.39	178	70861	4.729	ng	97
72) Carbazole	11.56	167	29413	2.097	ng	97
74) Fluoranthene	12.52	202	393338	25.545	ng	98
77) Pyrene	12.75	202	370783	18.874	ng	99
80) Benzo(a)anthracene	13.94	228	197208	11.410	ng	96
82) Chrysene	13.99	228	193347	11.847	ng	99
85) Indeno(1,2,3-cd)pyrene	16.93	276	56868	3.913	ng	# 89
87) Benzo(b)fluoranthene	15.00	252	178008m	15.851	ng	
88) Benzo(k)fluoranthene	15.03	252	54307m	4.974	ng	
89) Benzo(a)pyrene	15.37	252	115369	11.144	ng	97
91) Benzo(a,h,i)perylene	17.38	276	51737	5.878	ng	# 89

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

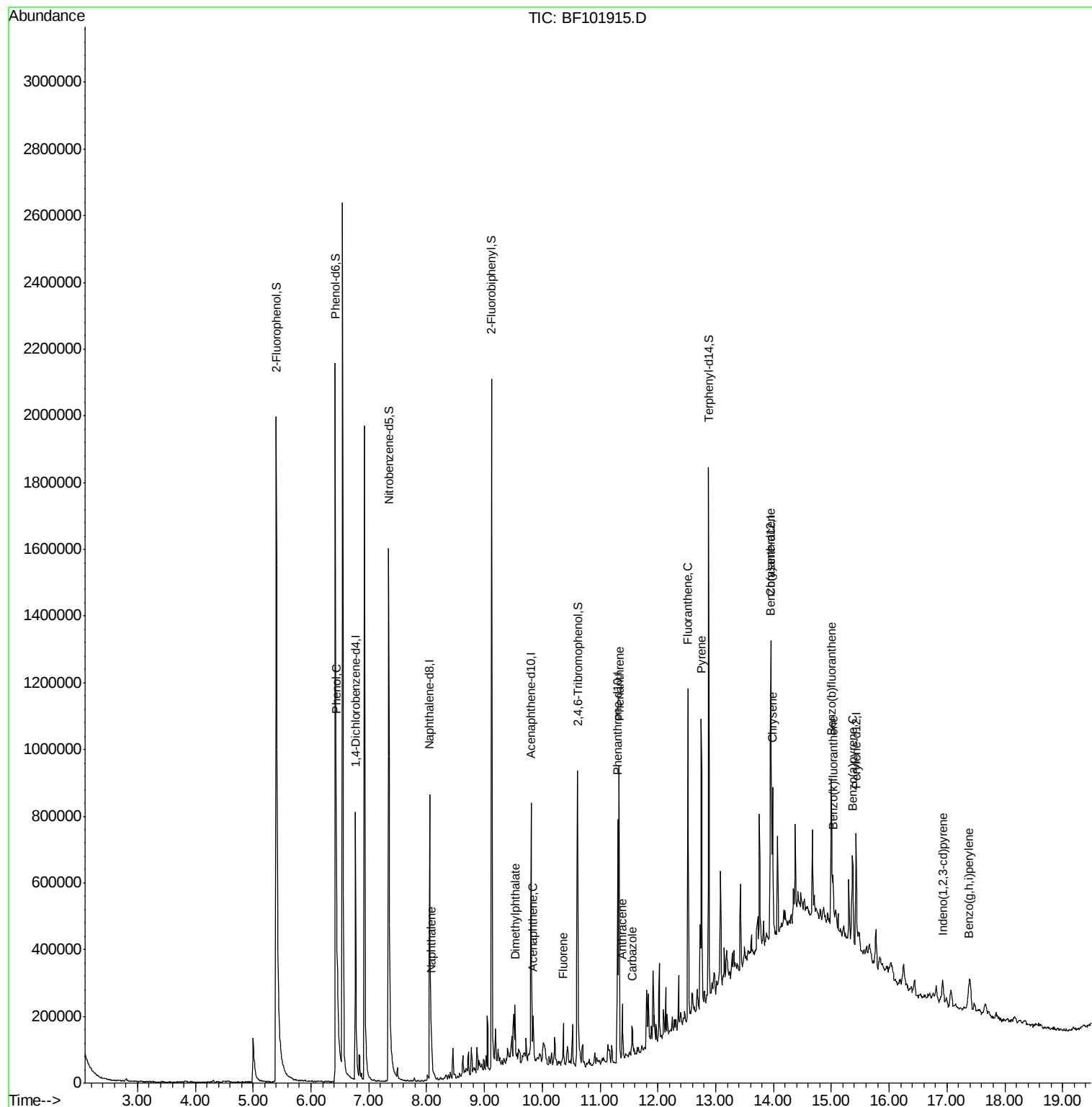
Data Path : Z:\HPCHEM1\BNA F\DATA\BF010418\
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ALS Vial : 29 Sample Multiplier: 1

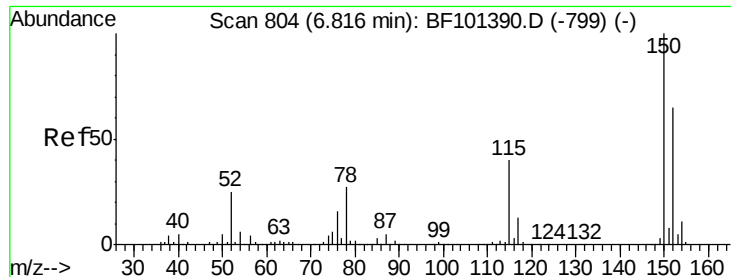
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#1

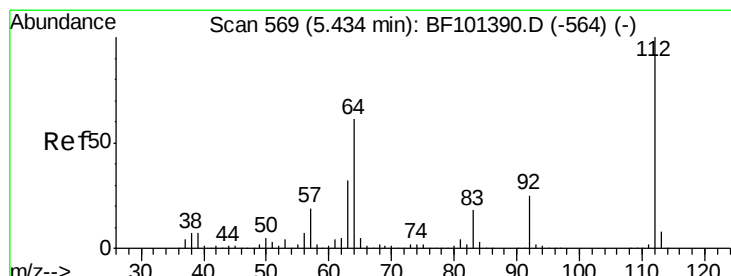
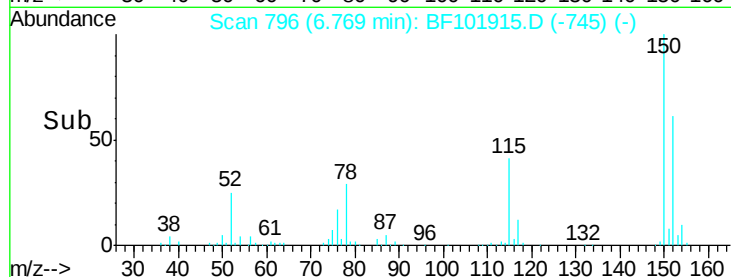
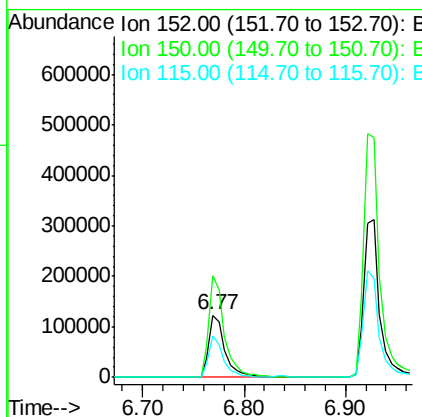
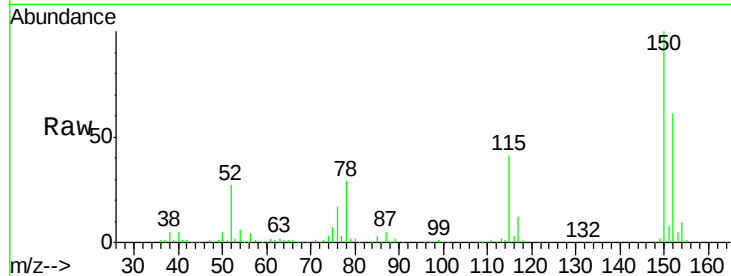
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 796
Delta R.T. 0.00 min
Lab File: BF101915.D
Acq: 5 Jan 2018 5:07

Instrument :
BNA_F
ClientSampleId :
SB-12-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	163.0	124.6	186.8
115	67.0	50.1	75.1

Manual Integrations
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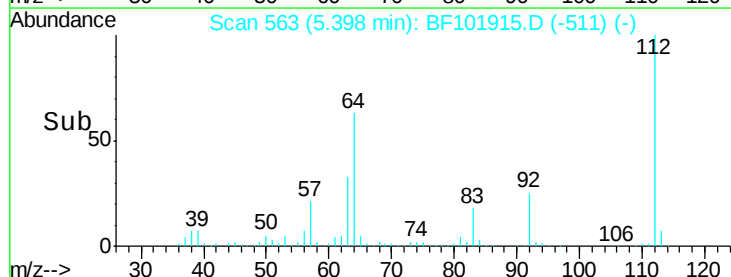
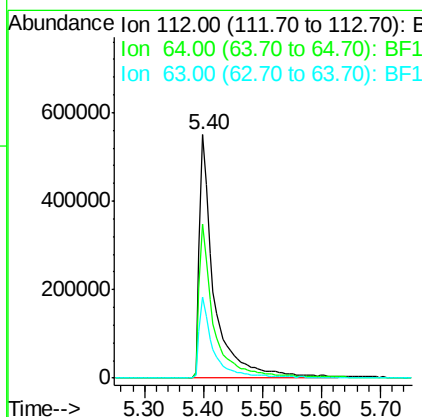
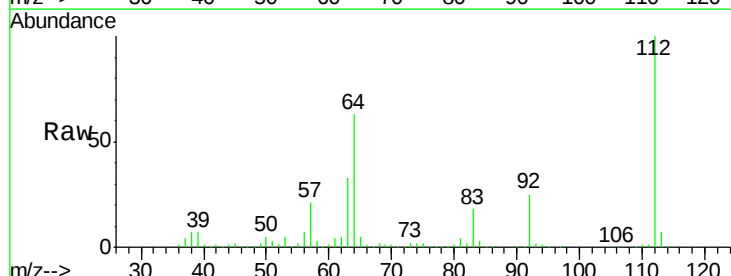
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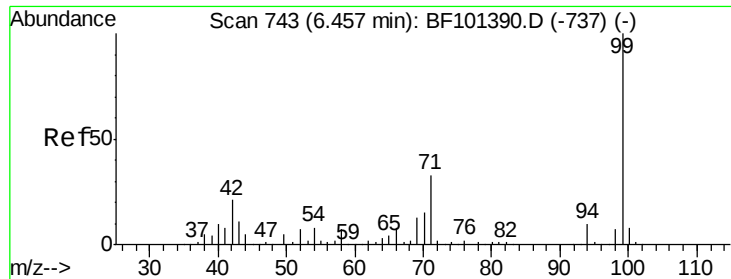


#5

2-Fluorophenol
Concen: 104.590 ng
RT: 5.40 min Scan# 563
Delta R.T. 0.01 min
Lab File: BF101915.D
Acq: 5 Jan 2018 5:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.2	47.9	71.9
63	33.4	23.7	35.5





#7

Phenol-d6

Concen: 98.791 ng

RT: 6.42 min Scan# 737

Delta R.T. 0.00 min

Lab File: BF101915.D

Acq: 5 Jan 2018 5:07

Instrument :

BNA_F

ClientSampleId :

SB-12-COMP

Tot Ion: 99 Resp: 1125233

Ion Ratio Lower Upper

99 100

42 21.3 14.5 21.7

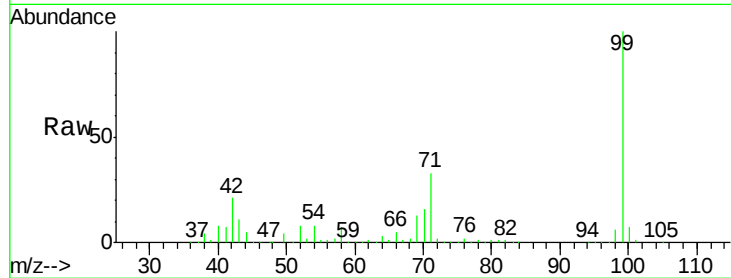
71 33.4 25.4 38.0

Manual Integrations

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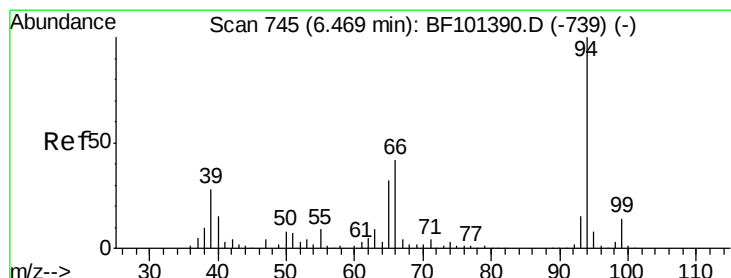
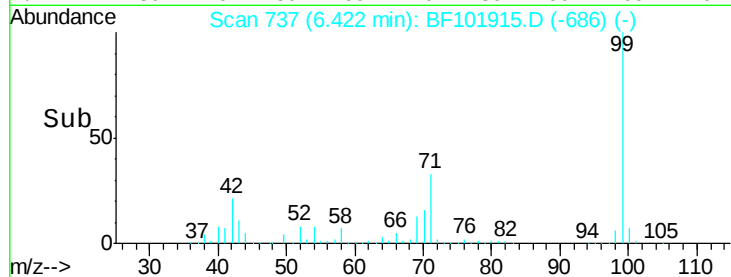
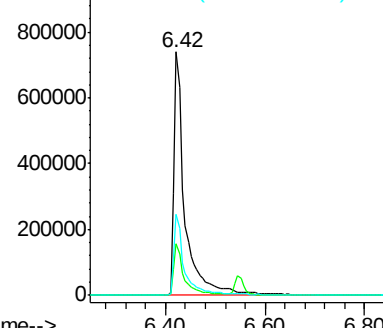
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.027 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF101915.D

Acq: 5 Jan 2018 5:07

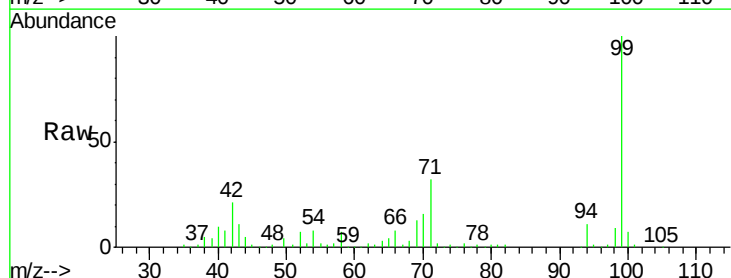
Tgt Ion: 94 Resp: 52278

Ion Ratio Lower Upper

94 100

65 39.2 7.9 47.9

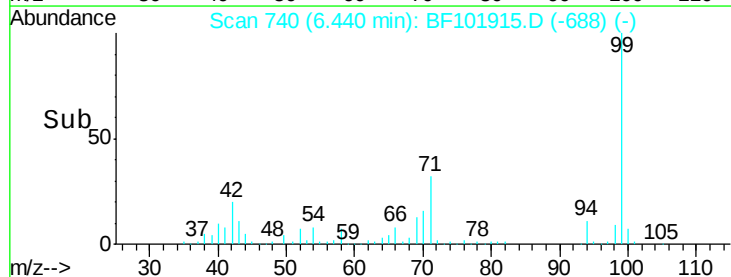
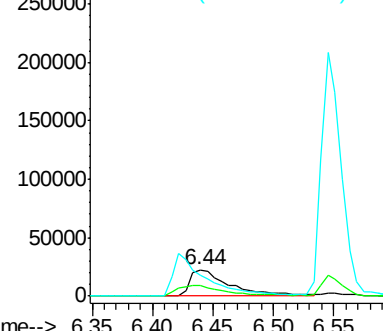
66 77.8 16.2 56.2#

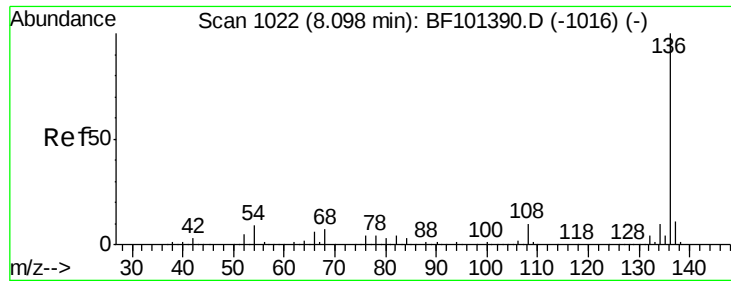


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





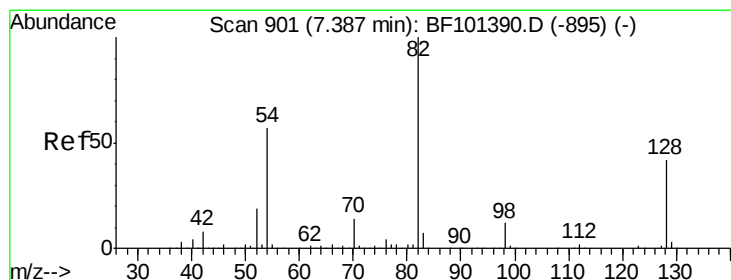
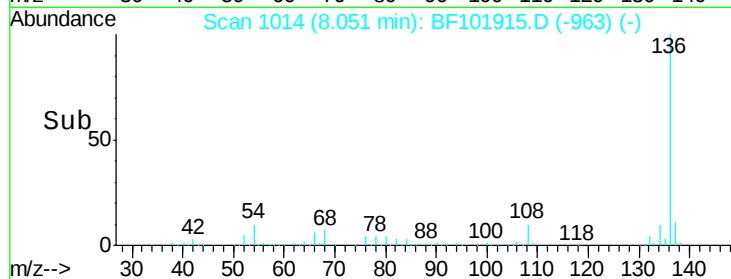
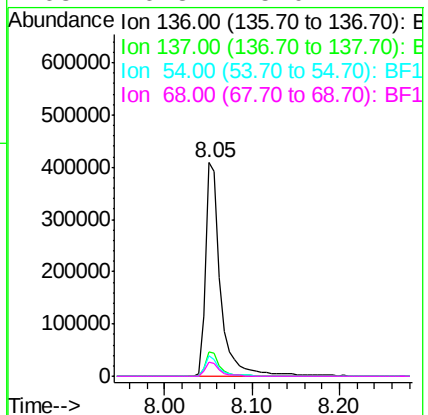
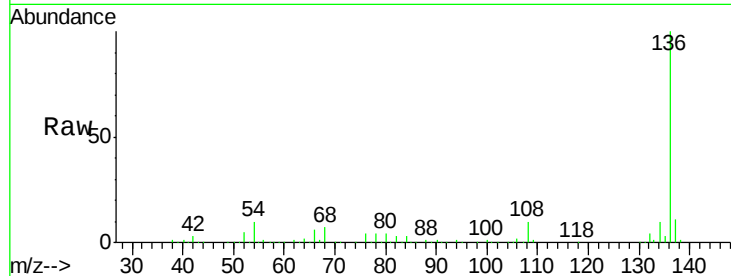
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.05 min Scan# 1014
Delta R.T. 0.00 min
Lab File: BF101915.D
Acq: 5 Jan 2018 5:07

Instrument :
BNA_F
ClientSampleId :
SB-12-COMP

Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100		491253		
137	11.2	8.9	13.3		
54	9.6	6.6	9.8		
68	6.8	5.0	7.4		

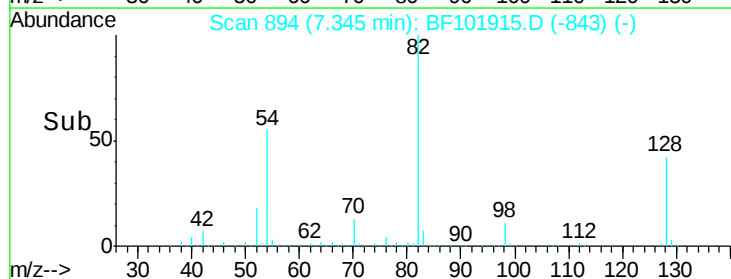
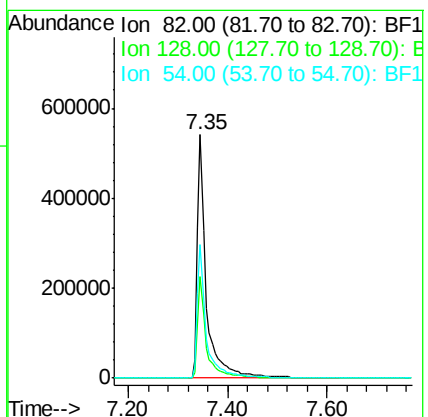
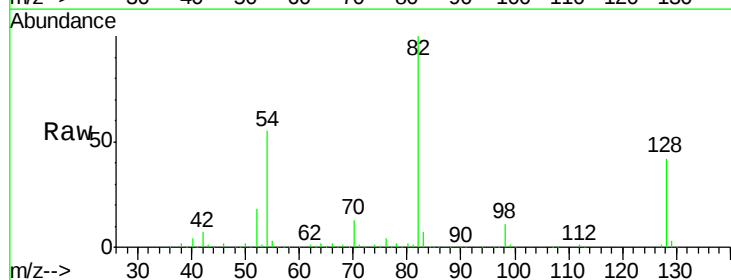
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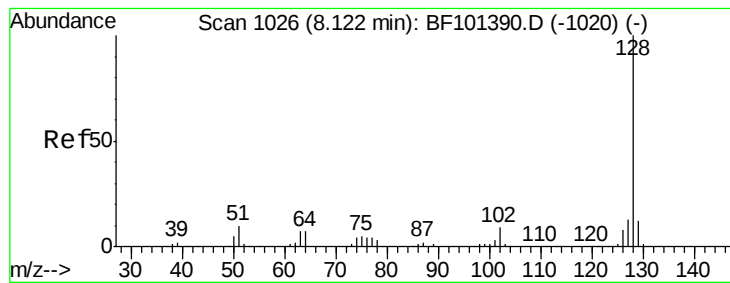
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#23
Nitrobenzene-d5
Concen: 77.945 ng
RT: 7.35 min Scan# 894
Delta R.T. 0.00 min
Lab File: BF101915.D
Acq: 5 Jan 2018 5:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100		687868		
128	41.6	36.1	54.1		
54	54.7	41.4	62.2		





#31

Naphthalene

Concen: 2.451 ng

RT: 8.08 min Scan# 1019

Delta R.T. 0.01 min

Lab File: BF101915.D

Acq: 5 Jan 2018 5:07

Instrument :

BNA_F

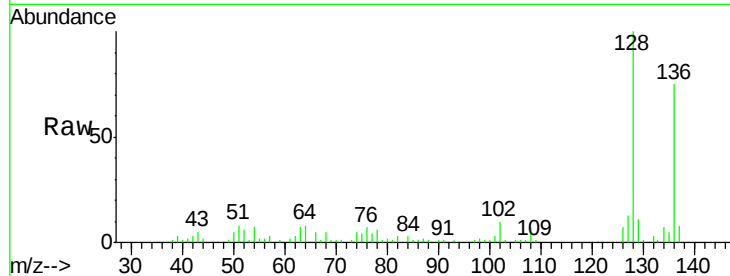
ClientSampled :

SB-12-COMP

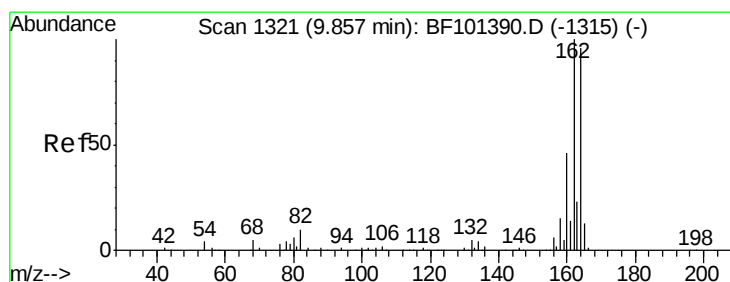
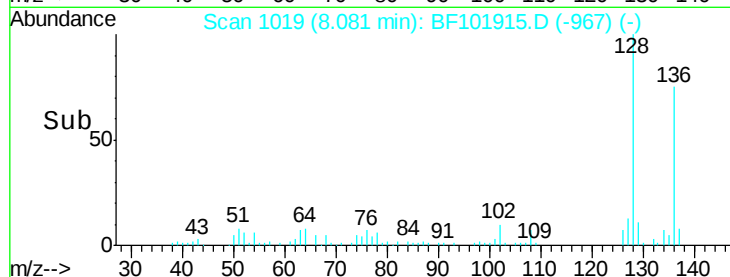
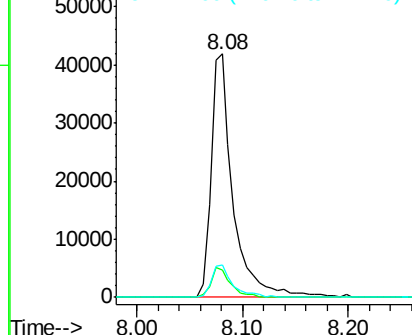
Tot Ion	Ratio	Lower	Upper
128	100		
129	11.4	8.8	13.2
127	13.2	10.9	16.3

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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#38

Acenaphthene-d10

Concen: 20.000 ng

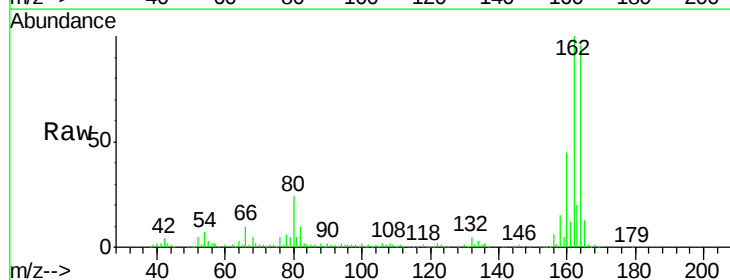
RT: 9.80 min Scan# 1312

Delta R.T. 0.00 min

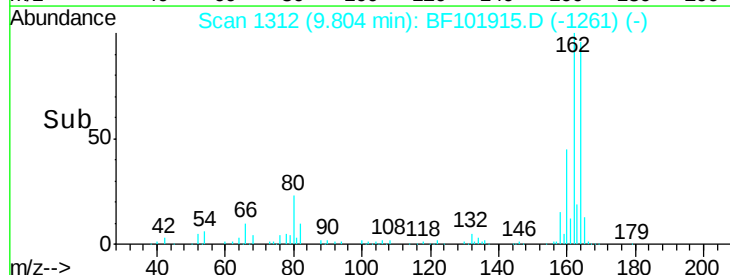
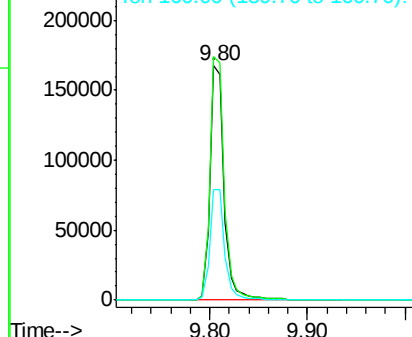
Lab File: BF101915.D

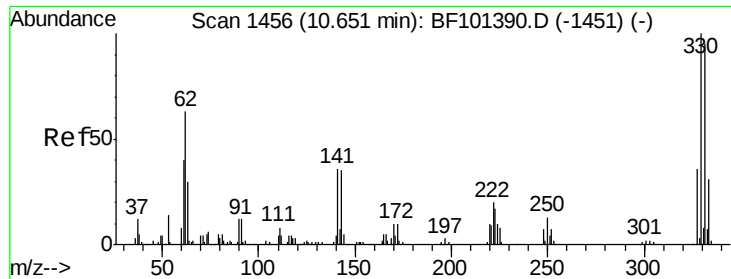
Acq: 5 Jan 2018 5:07

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.9	86.1	129.1
160	47.1	38.3	57.5



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E





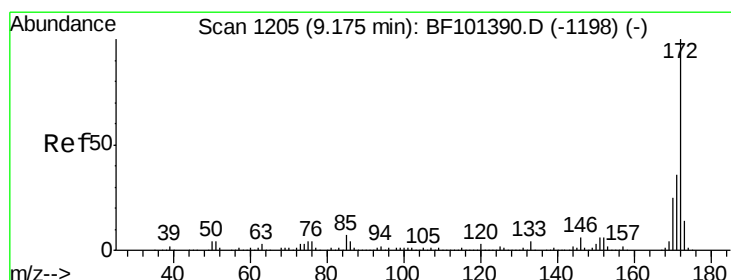
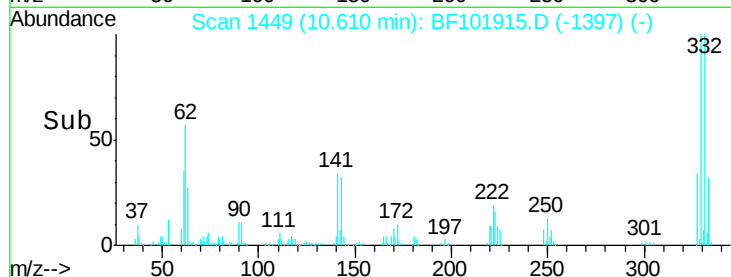
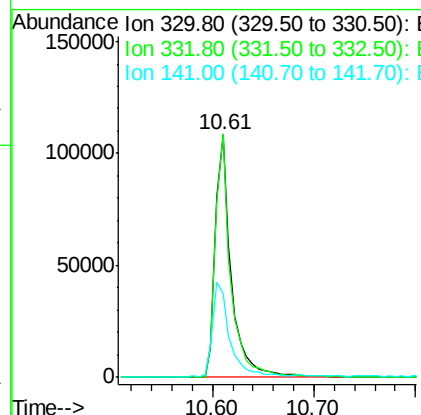
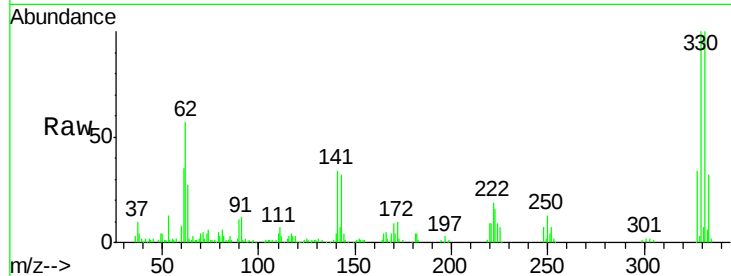
#41
 2,4,6-Tribromophenol
 Concen: 73.071 ng
 RT: 10.61 min Scan# 1449
 Delta R.T. 0.01 min
 Lab File: BF101915.D
 Acq: 5 Jan 2018 5:07

Instrument :
 BNA_F
 ClientSampled :
 SB-12-COMP

Tot Ion	Ratio	Resp	Lower	Upper
330	100	119596		
332	96.4	77.0	115.6	
141	42.9	29.9	44.9	

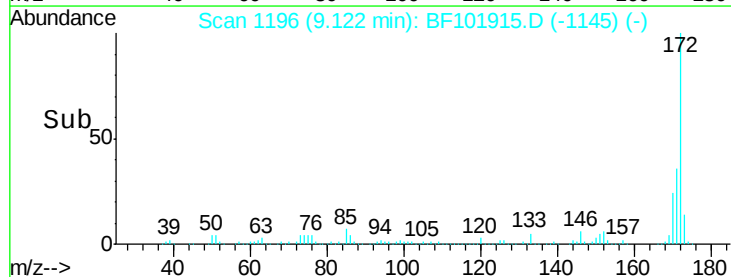
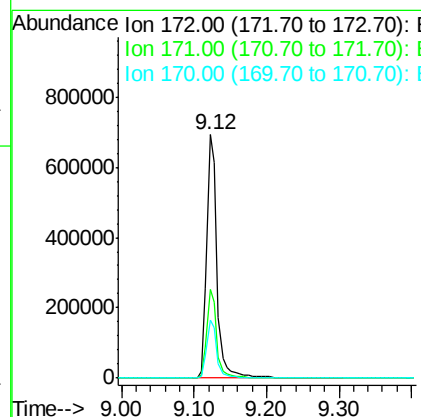
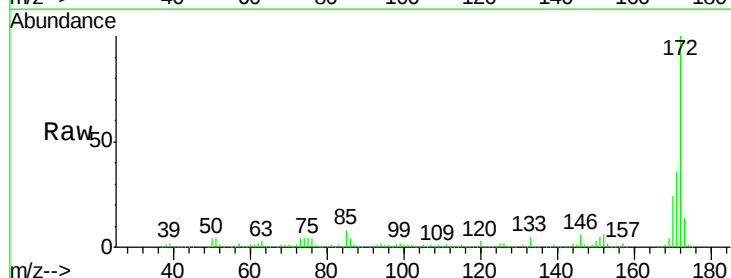
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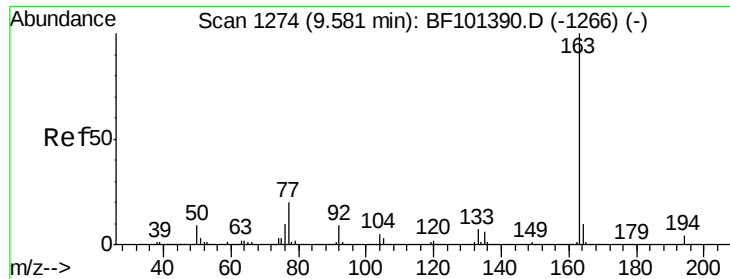
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#44
 2-Fluorobiphenyl
 Concen: 62.791 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. 0.00 min
 Lab File: BF101915.D
 Acq: 5 Jan 2018 5:07

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	687555		
171	36.2	29.7	44.5	
170	23.9	19.6	29.4	





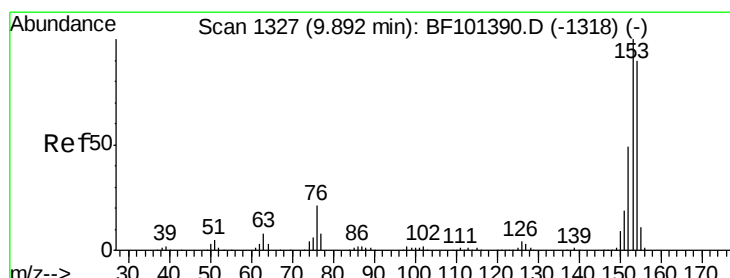
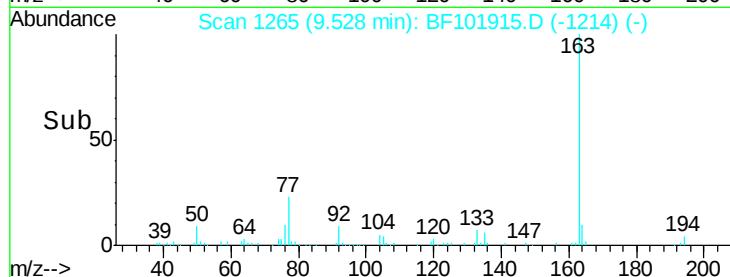
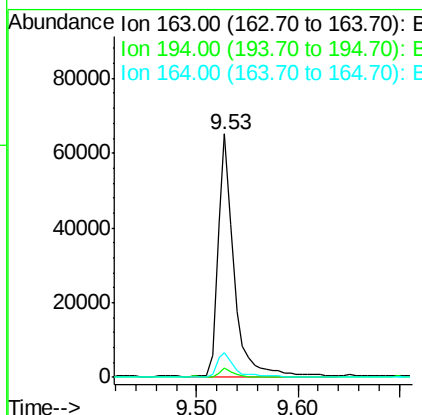
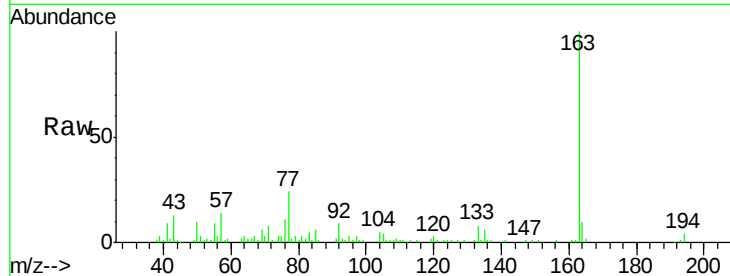
#49
Dimethylphthalate
Concen: 5.289 ng
RT: 9.53 min Scan# 1265
Delta R.T. 0.00 min
Lab File: BF101915.D
Acq: 5 Jan 2018 5:07

Instrument :
BNA_F
ClientSampleId :
SB-12-COMP

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.7	4.1
164	10.3	8.2	12.2

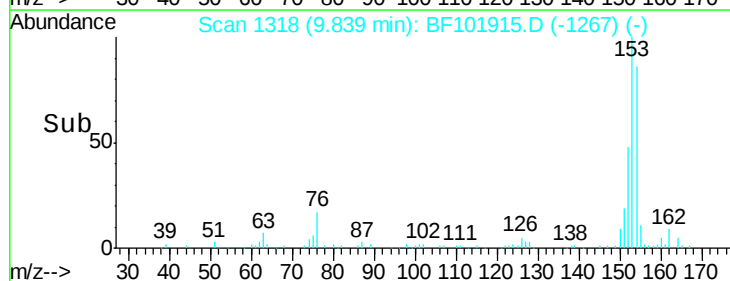
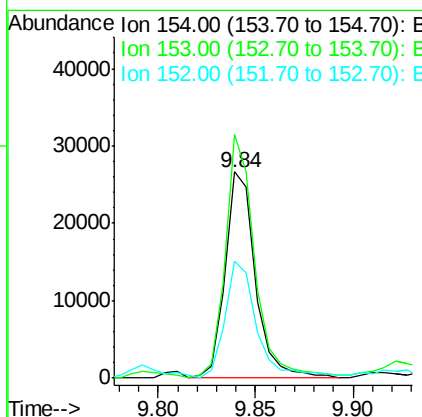
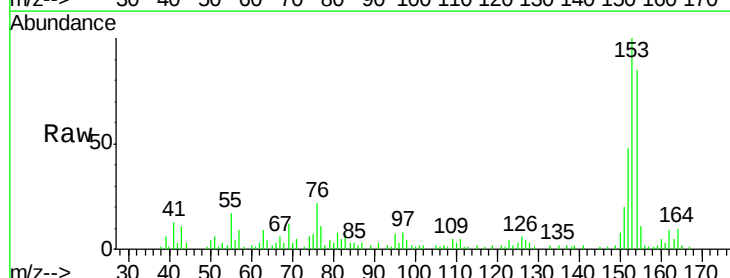
Manual Integrations
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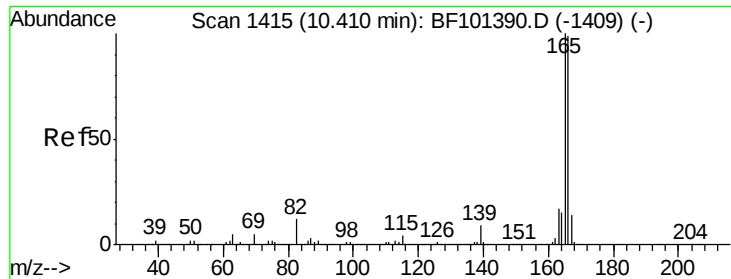
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#51
Acenaphthene
Concen: 2.624 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.00 min
Lab File: BF101915.D
Acq: 5 Jan 2018 5:07

Tgt Ion	Ratio	Lower	Upper
154	100		
153	118.2	91.2	136.8
152	56.5	43.8	65.8





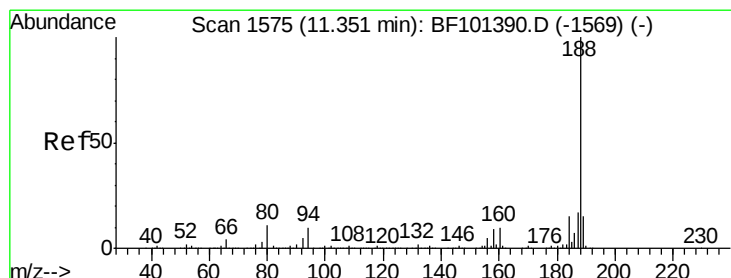
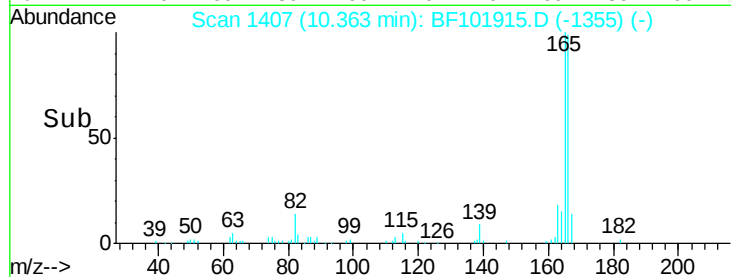
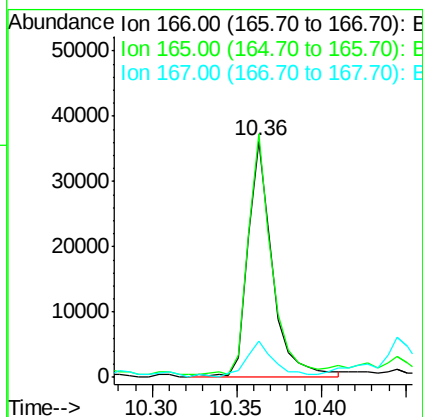
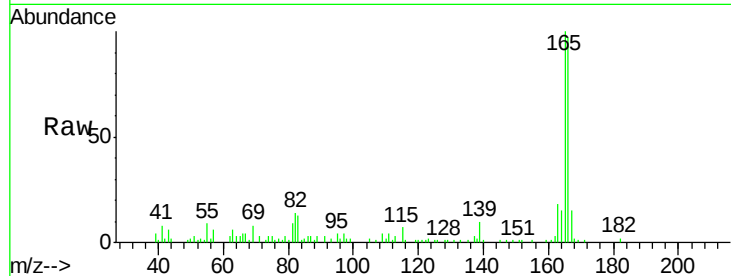
#57
Fluorene
 Concen: 3.161 ng
 RT: 10.36 min Scan# 1407
 Delta R.T. 0.01 min
 Lab File: BF101915.D
 Acq: 5 Jan 2018 5:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-12-COMP

Tot Ion	Ratio	Lower	Upper
166	100		
165	103.0	79.8	119.8
167	15.3	10.6	16.0

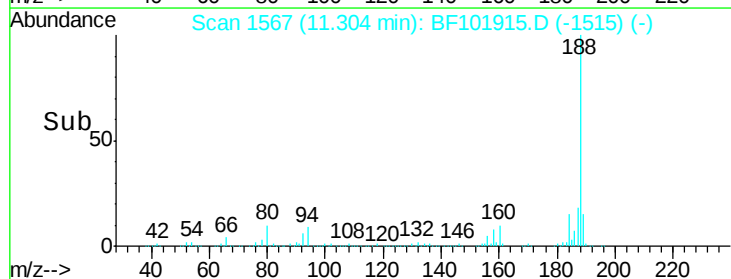
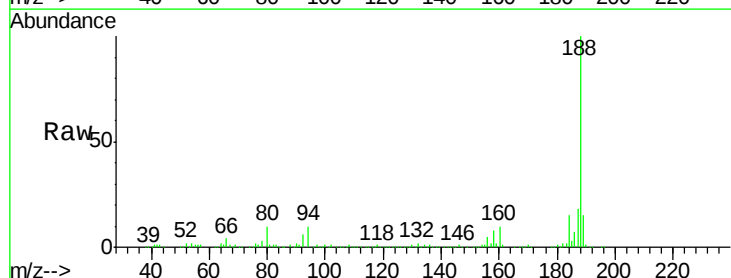
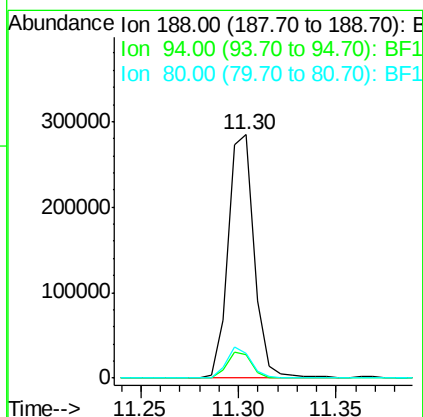
Manual Integrations
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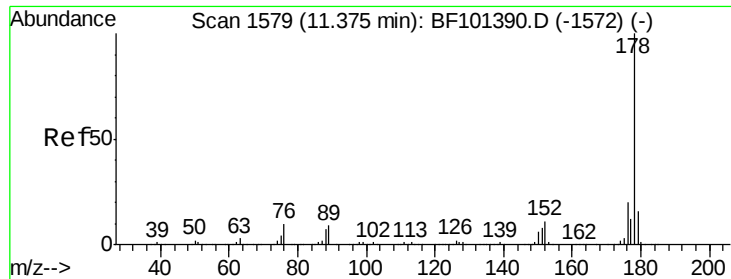
Sohil
 1/5/2018 10:30:08 AM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.30 min Scan# 1567
 Delta R.T. 0.01 min
 Lab File: BF101915.D
 Acq: 5 Jan 2018 5:07

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.5	12.7
80	10.2	9.2	13.8





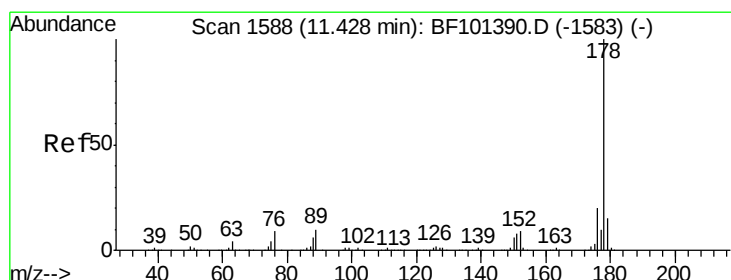
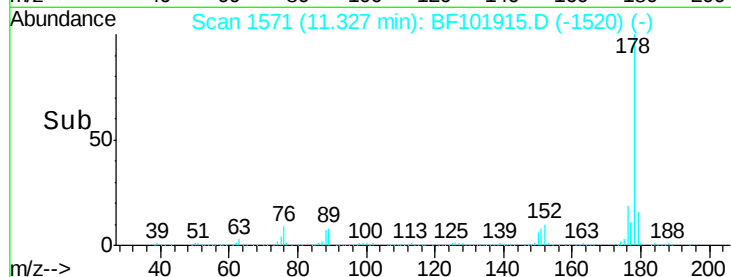
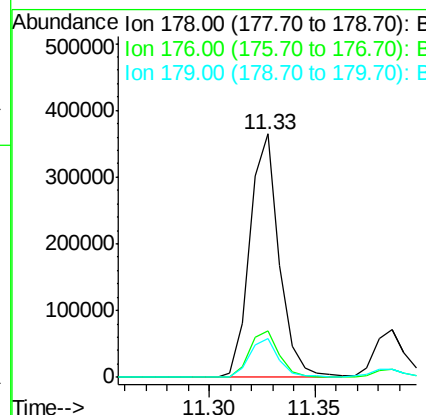
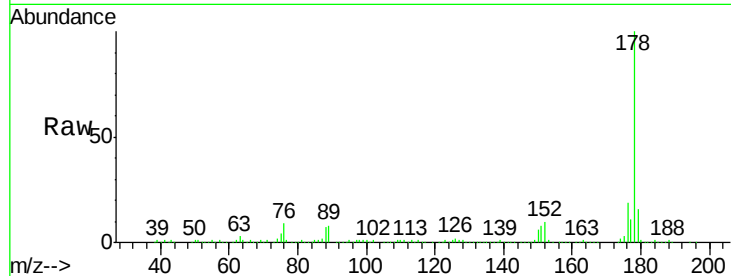
#70
Phenanthrene
Concen: 23.947 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BF101915.D
Acq: 5 Jan 2018 5:07

Instrument :
BNA_F
ClientSampleId :
SB-12-COMP

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.9	13.0	19.6

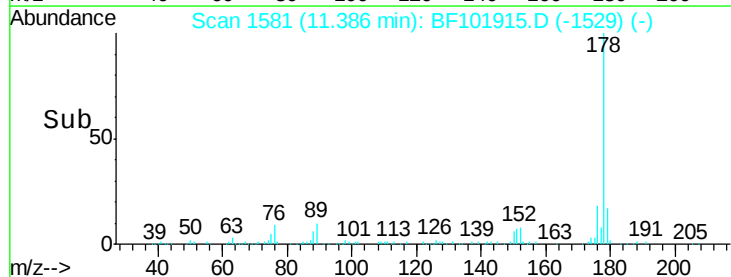
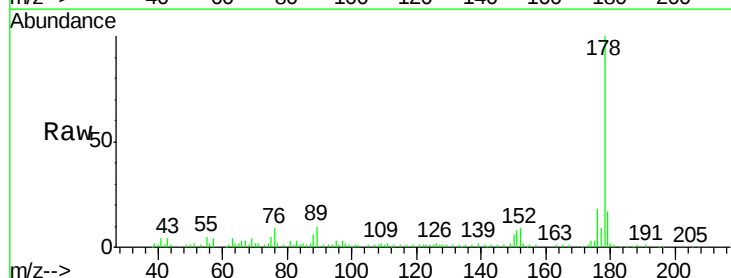
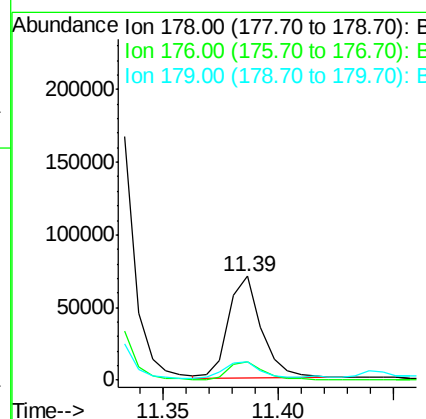
Manual Integrations
APPROVED

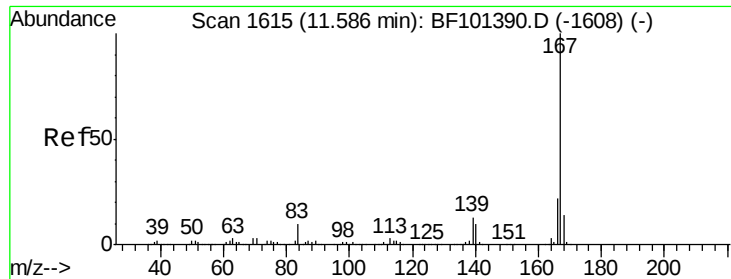
Sohil
1/5/2018 10:30:08 AM



#71
Anthracene
Concen: 4.729 ng
RT: 11.39 min Scan# 1581
Delta R.T. 0.01 min
Lab File: BF101915.D
Acq: 5 Jan 2018 5:07

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.0	15.4	23.2
179	17.4	12.6	19.0





#72

Carbazole

Concen: 2.097 ng

RT: 11.56 min Scan# 1610

Delta R.T. 0.02 min

Lab File: BF101915.D

Acq: 5 Jan 2018 5:07

Instrument :

BNA_F

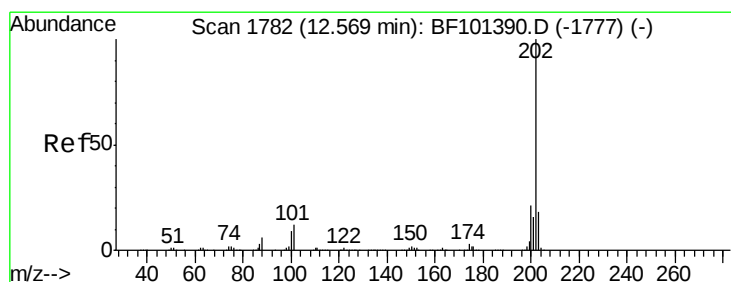
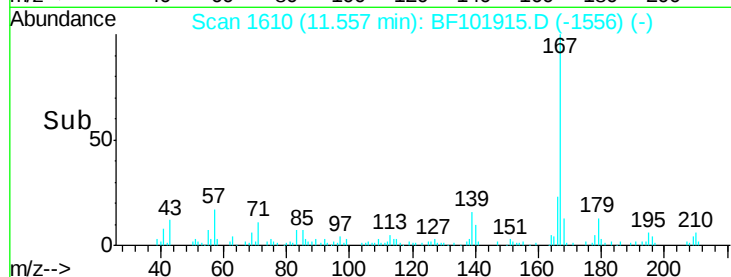
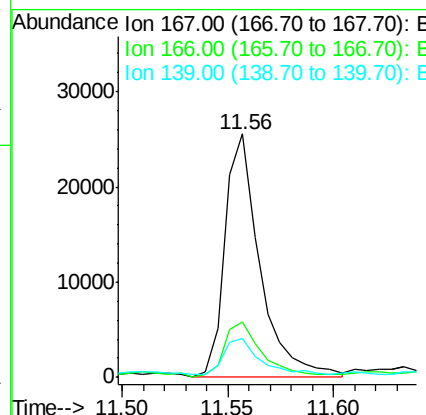
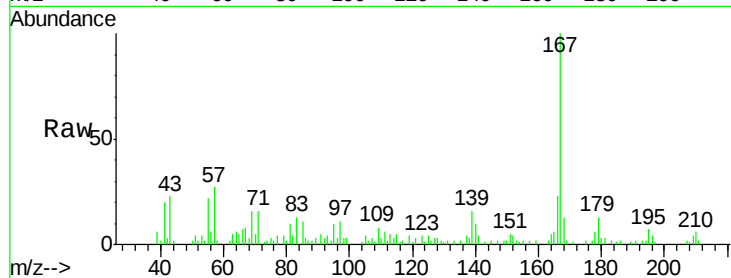
ClientSampleId :

SB-12-COMP

Tot Ion:	167	Resp:	29413
Ion Ratio	Lower	Upper	
167	100		
166	22.6	17.6	26.4
139	15.8	10.9	16.3

Manual Integrations
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#74

Fluoranthene

Concen: 25.545 ng

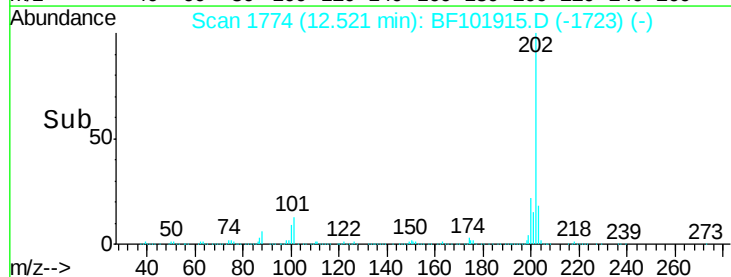
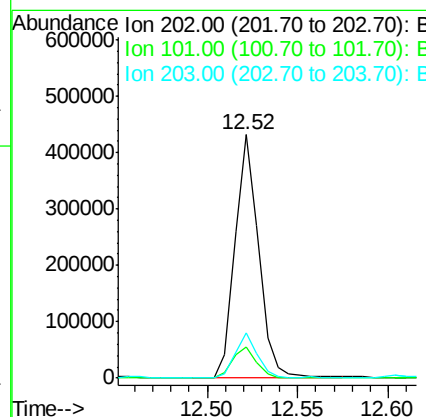
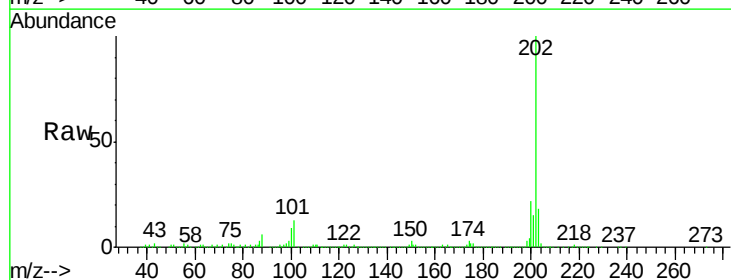
RT: 12.52 min Scan# 1774

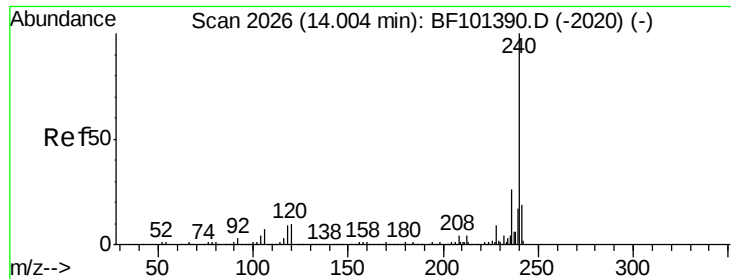
Delta R.T. 0.00 min

Lab File: BF101915.D

Acq: 5 Jan 2018 5:07

Tgt Ion:	202	Resp:	393338
Ion Ratio	Lower	Upper	
202	100		
101	12.9	0.0	34.1
203	18.3	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2018

Delta R.T. 0.00 min

Lab File: BF101915.D

Acq: 5 Jan 2018 5:07

Instrument :

BNA_F

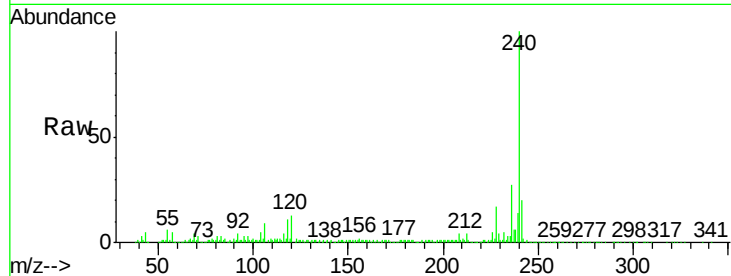
ClientSampleId :

SB-12-COMP

Tot Ion:	240	Resp:	261760
Ion Ratio	Lower	Upper	
240	100		
120	12.8	9.5	14.3
236	26.9	20.7	31.1

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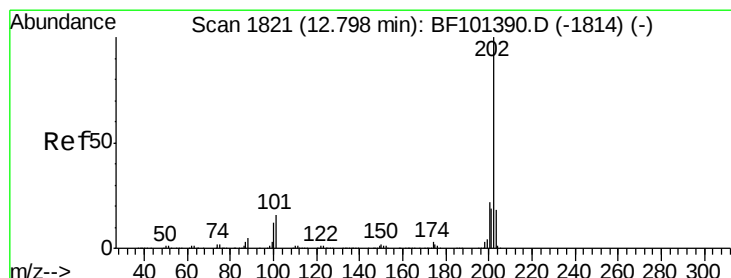
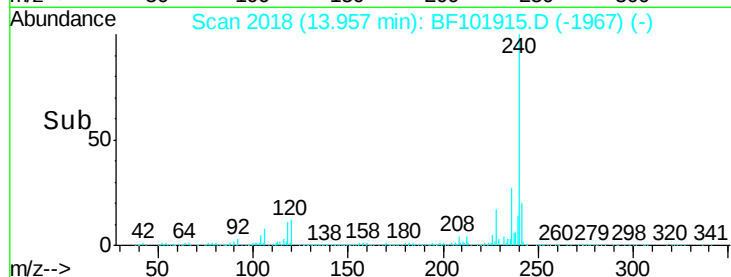
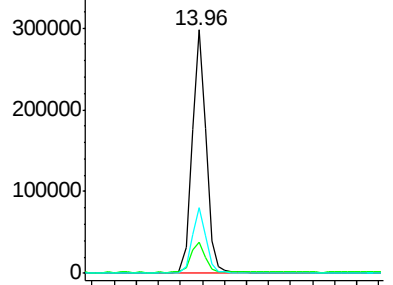
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Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 18.874 ng

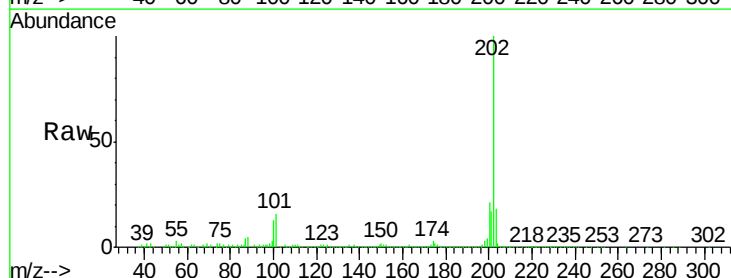
RT: 12.75 min Scan# 1813

Delta R.T. 0.00 min

Lab File: BF101915.D

Acq: 5 Jan 2018 5:07

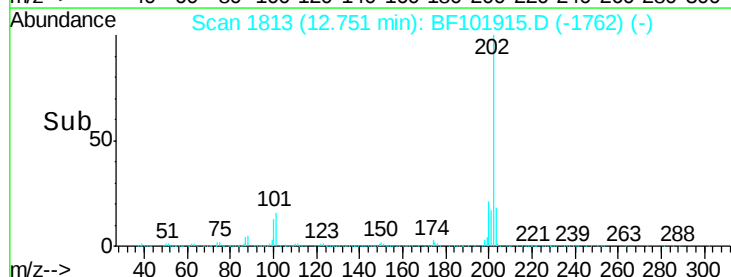
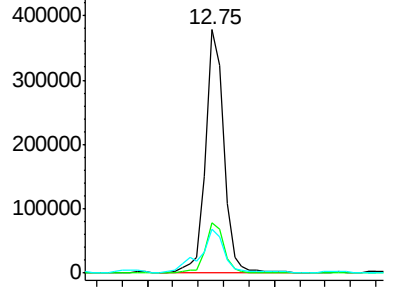
Tgt Ion:	202	Resp:	370783
Ion Ratio	Lower	Upper	
202	100		
200	20.8	17.4	26.2
203	18.2	14.3	21.5

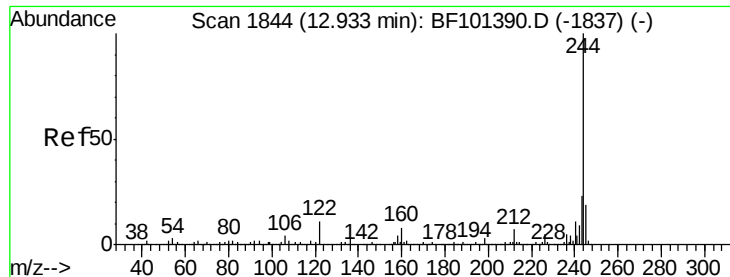


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





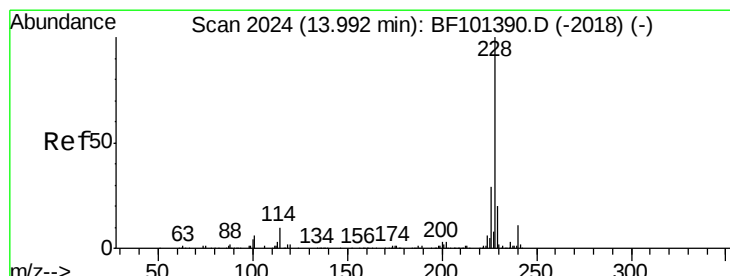
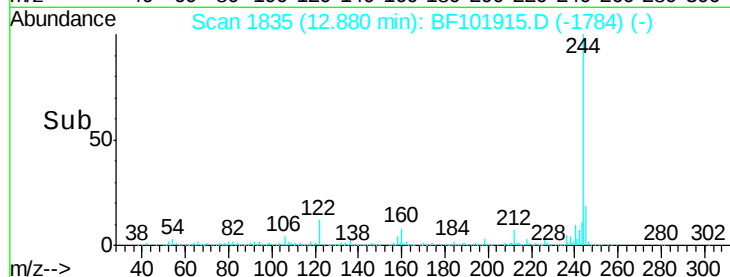
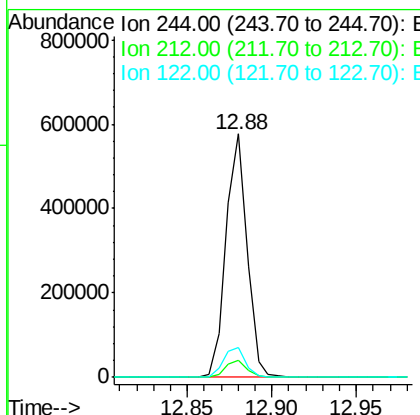
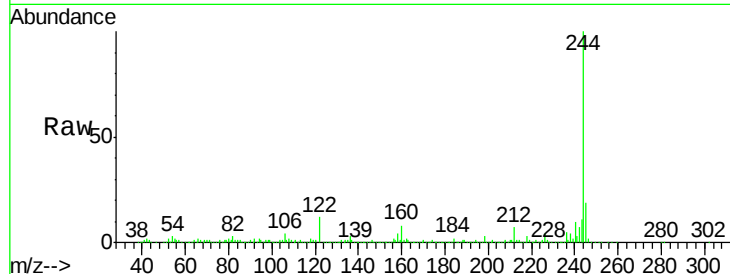
#78
 Terphenyl-d14
 Concen: 46.180 ng
 RT: 12.88 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: BF101915.D
 Acq: 5 Jan 2018 5:07

Instrument :
 BNA_F
 ClientSampleId :
 SB-12-COMP

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.0
122	12.4	11.0	16.4

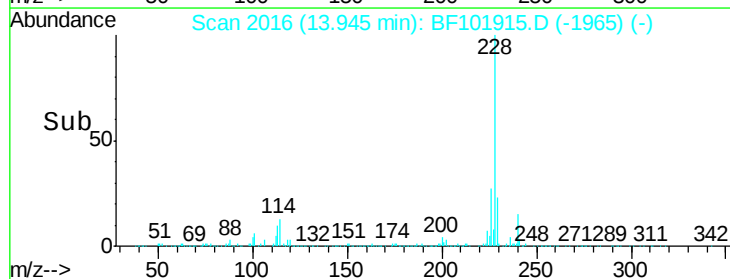
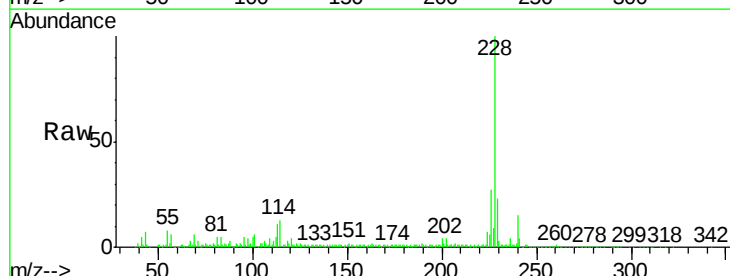
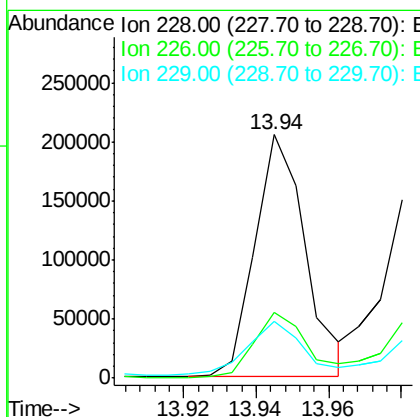
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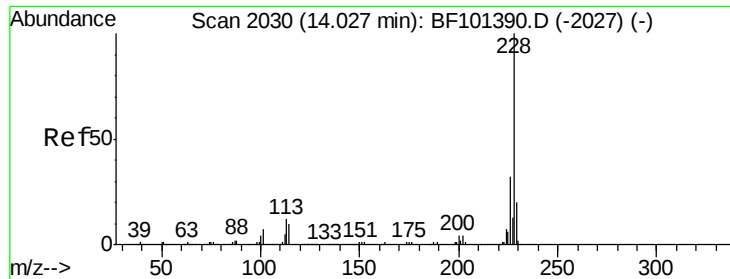
Sohil
 1/5/2018 10:30:08 AM



#80
 Benzo(a)anthracene
 Concen: 11.410 ng
 RT: 13.94 min Scan# 2016
 Delta R.T. 0.00 min
 Lab File: BF101915.D
 Acq: 5 Jan 2018 5:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.6	33.8
229	23.4	15.8	23.6





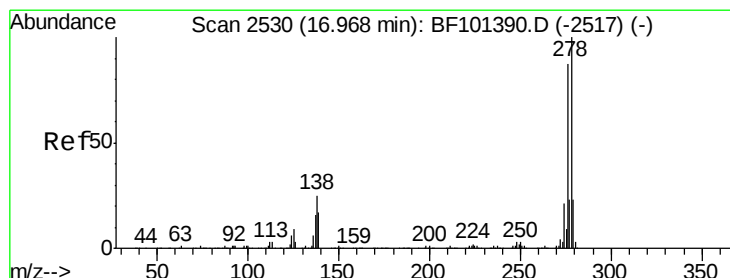
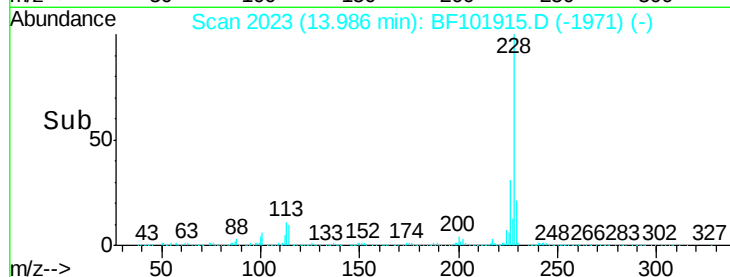
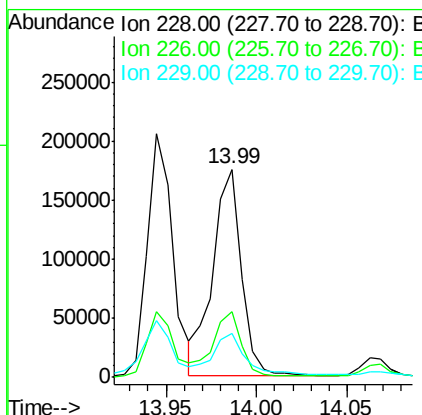
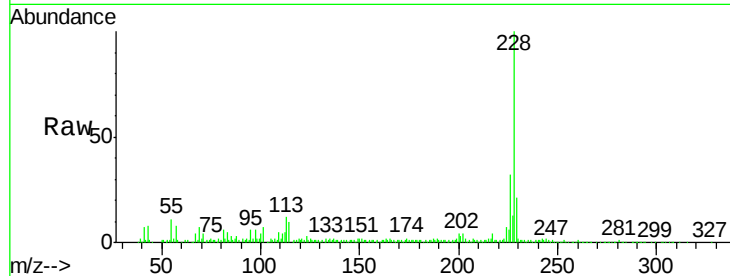
#82
Chrysene
Concen: 11.847 ng
RT: 13.99 min Scan# 2030
Delta R.T. 0.01 min
Lab File: BF101915.D
Acq: 5 Jan 2018 5:07

Instrument :
BNA_F
ClientSampleId :
SB-12-COMP

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.8	25.0	37.6
229	21.4	16.2	24.4

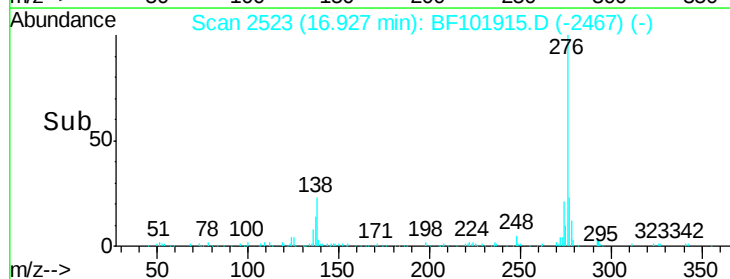
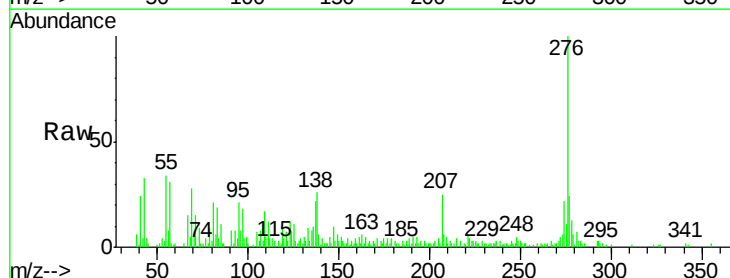
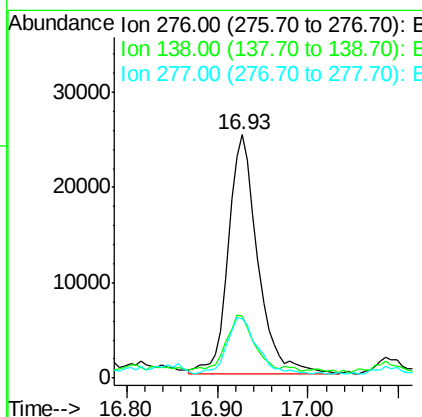
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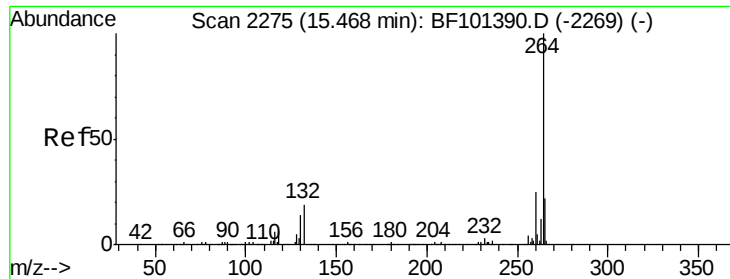
Sohil
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#85
Indeno(1,2,3-cd)pyrene
Concen: 3.913 ng
RT: 16.93 min Scan# 2523
Delta R.T. 0.03 min
Lab File: BF101915.D
Acq: 5 Jan 2018 5:07

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.7	25.0	37.6#
277	24.1	20.1	30.1





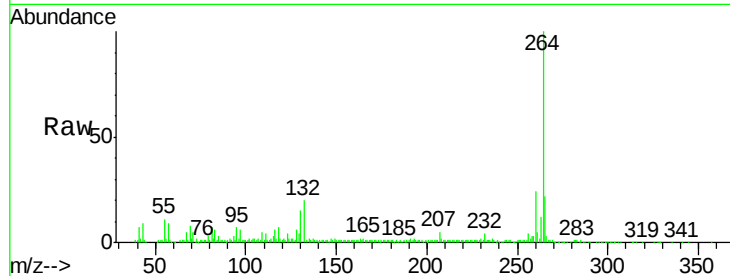
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF101915.D
Acq: 5 Jan 2018 5:07

Instrument :
BNA_F
ClientSampleId :
SB-12-COMP

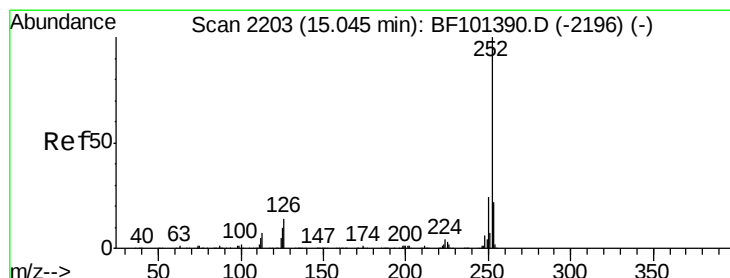
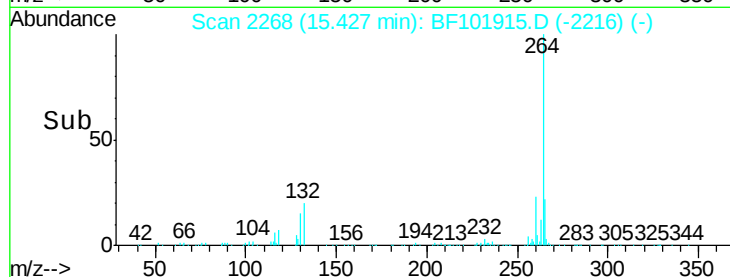
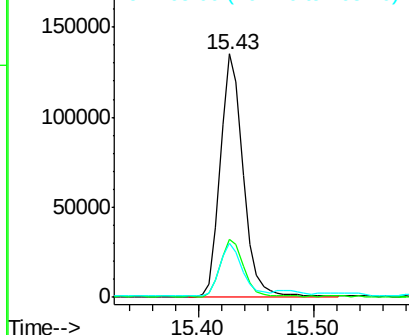
Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.1	17.5	26.3

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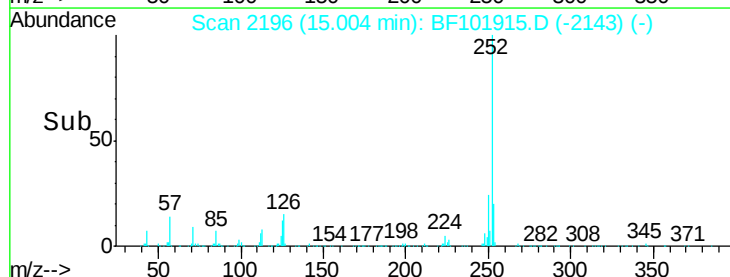
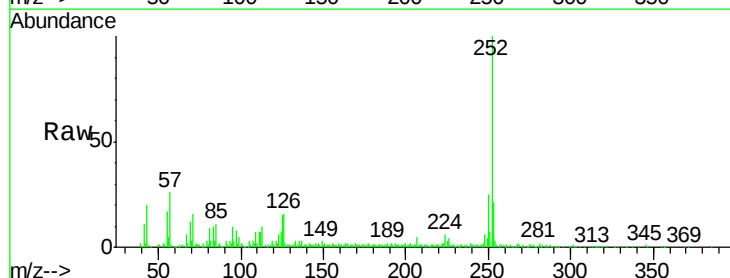
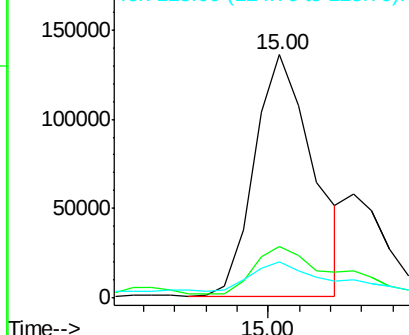
Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

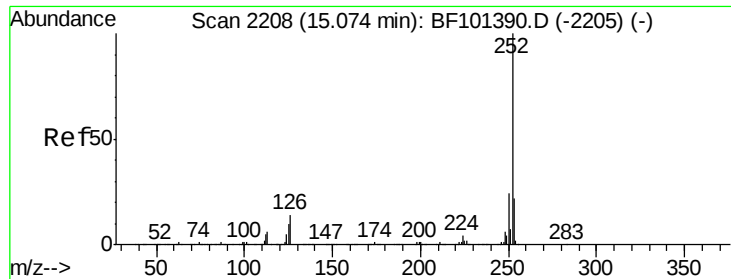


#87
Benzo(b)fluoranthene
Concen: 15.851 ng m
RT: 15.00 min Scan# 2196
Delta R.T. 0.01 min
Lab File: BF101915.D
Acq: 5 Jan 2018 5:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.0	25.6
125	15.2	9.0	13.6

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: 4.974 ng

RT: 15.03 min Scan# 2200

Delta R.T. 0.01 min

Lab File: BF101915.D

Acq: 5 Jan 2018 5:07

Instrument :

BNA_F

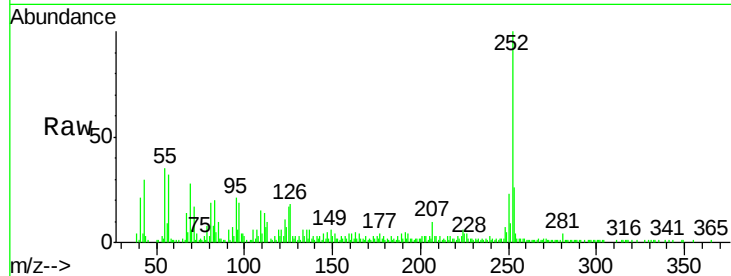
ClientSampleId :

SB-12-COMP

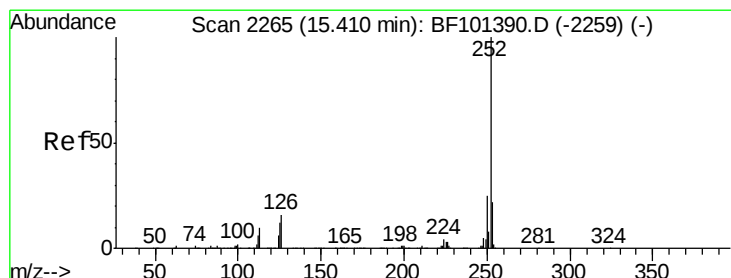
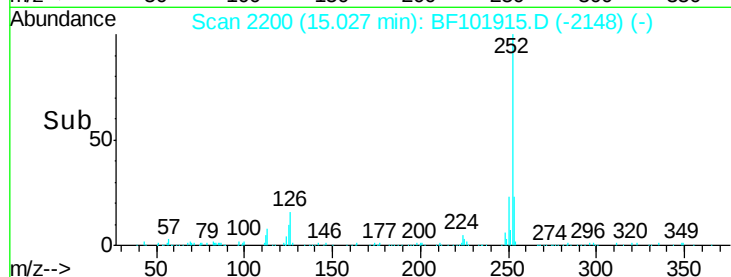
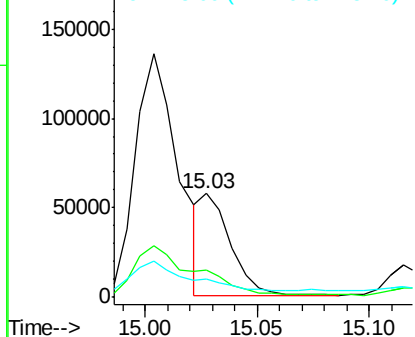
Tot Ion:	252	Resp:	54307
Ion Ratio	Lower	Upper	
252	100		
253	26.0	17.9	26.9
125	17.4	10.2	15.2

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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: 11.144 ng

RT: 15.37 min Scan# 2259

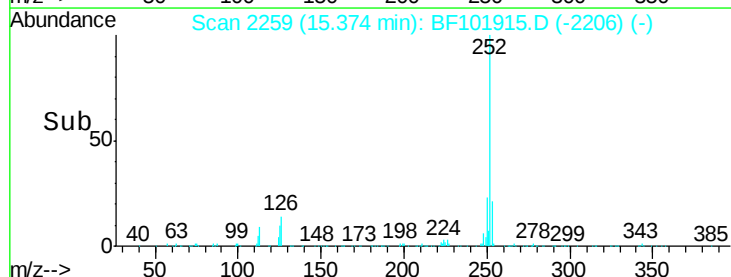
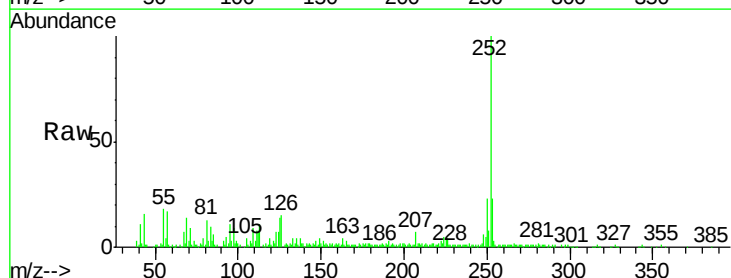
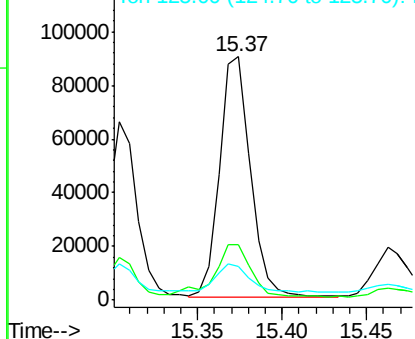
Delta R.T. 0.01 min

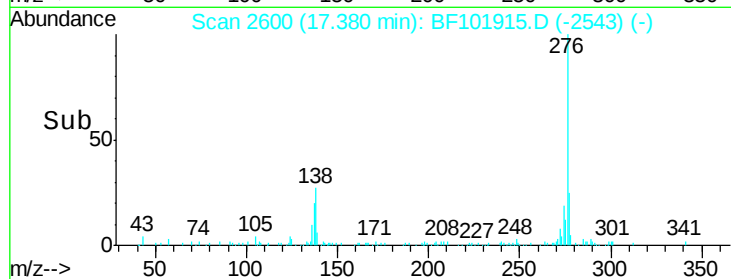
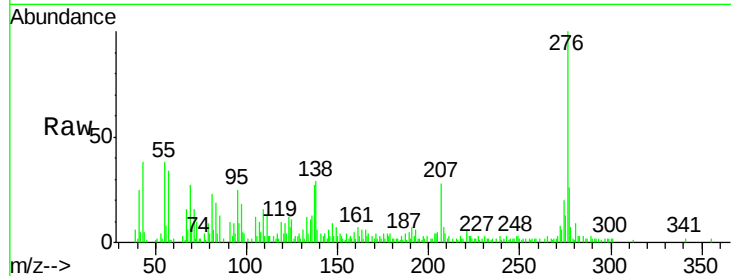
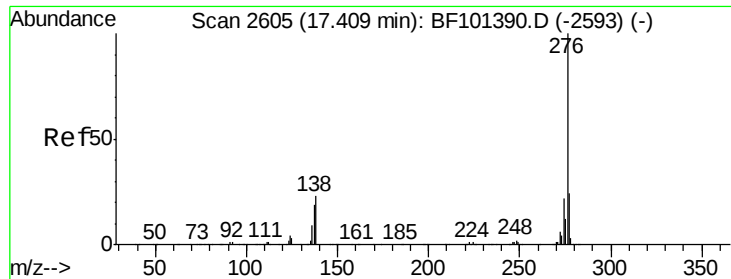
Lab File: BF101915.D

Acq: 5 Jan 2018 5:07

Tgt Ion:	252	Resp:	115369
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.1	25.7
125	13.6	9.8	14.6

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





#91

Benzo(a,h,i)perylene

Concen: 5.878 ng

RT: 17.38 min Scan# 2600

Delta R.T. 0.04 min

Lab File: BF101915.D

Acq: 5 Jan 2018 5:07

Instrument :

BNA_F

ClientSampleId :

SB-12-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
277	26.0	17.9	26.9
138	34.3	21.8	32.8

Manual Integrations
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1/5/2018 10:30:08 AM

