

Data Path : U:\HPCHEM1\BNA F\DATA\BF010518\
 Data File : BF101922.D
 Acq On : 5 Jan 2018 11:52
 Operator : SJ/JU
 Sample : J1027-03
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR251588

Manual Integrations
 APPROVED

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 1/8/2018 4:21:40 PM

Quant Time: Jan 06 00:47:10 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 29 13:21:45 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	108411	20.00	ng	0.00
21) Naphthalene-d8	8.06	136	361053	20.00	ng	-0.01
38) Acenaphthene-d10	9.81	164	134908	20.00	ng	-0.01
63) Phenanthrene-d10	11.30	188	249908	20.00	ng	-0.01
75) Chrysene-d12	13.96	240	272349	20.00	ng	-0.02
86) Perylene-d12	15.43	264	214888	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	840044	115.42	ng	0.00
7) Phenol-d6	6.42	99	912503	100.74	ng	-0.01
23) Nitrobenzene-d5	7.35	82	514456	79.32	ng	-0.02
41) 2,4,6-Tribromophenol	10.61	330	120046	92.35	ng	-0.01
44) 2-Fluorobiphenyl	9.12	172	689915	79.33	ng	-0.02
78) Terphenyl-d14	12.88	244	713665	63.17	ng	-0.02
Target Compounds						
37) 2-Methylnaphthalene	8.77	142	41852	3.534	ng	Qvalue 94
49) Dimethylphthalate	9.53	163	86432	7.965	ng	98
74) Fluoranthene	12.53	202	55439	3.800	ng	97
77) Pyrene	12.76	202	71426	3.494	ng	97
80) Benzo(a)anthracene	13.94	228	43417m	2.414	ng	
82) Chrysene	13.99	228	42574	2.507	ng	97
87) Benzo(b)fluoranthene	15.01	252	49143m	3.752	ng	
89) Benzo(a)pyrene	15.37	252	38442	3.184	ng	# 91
91) Benzo(g,h,i)perylene	17.39	276	20759	2.022	ng	# 85

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

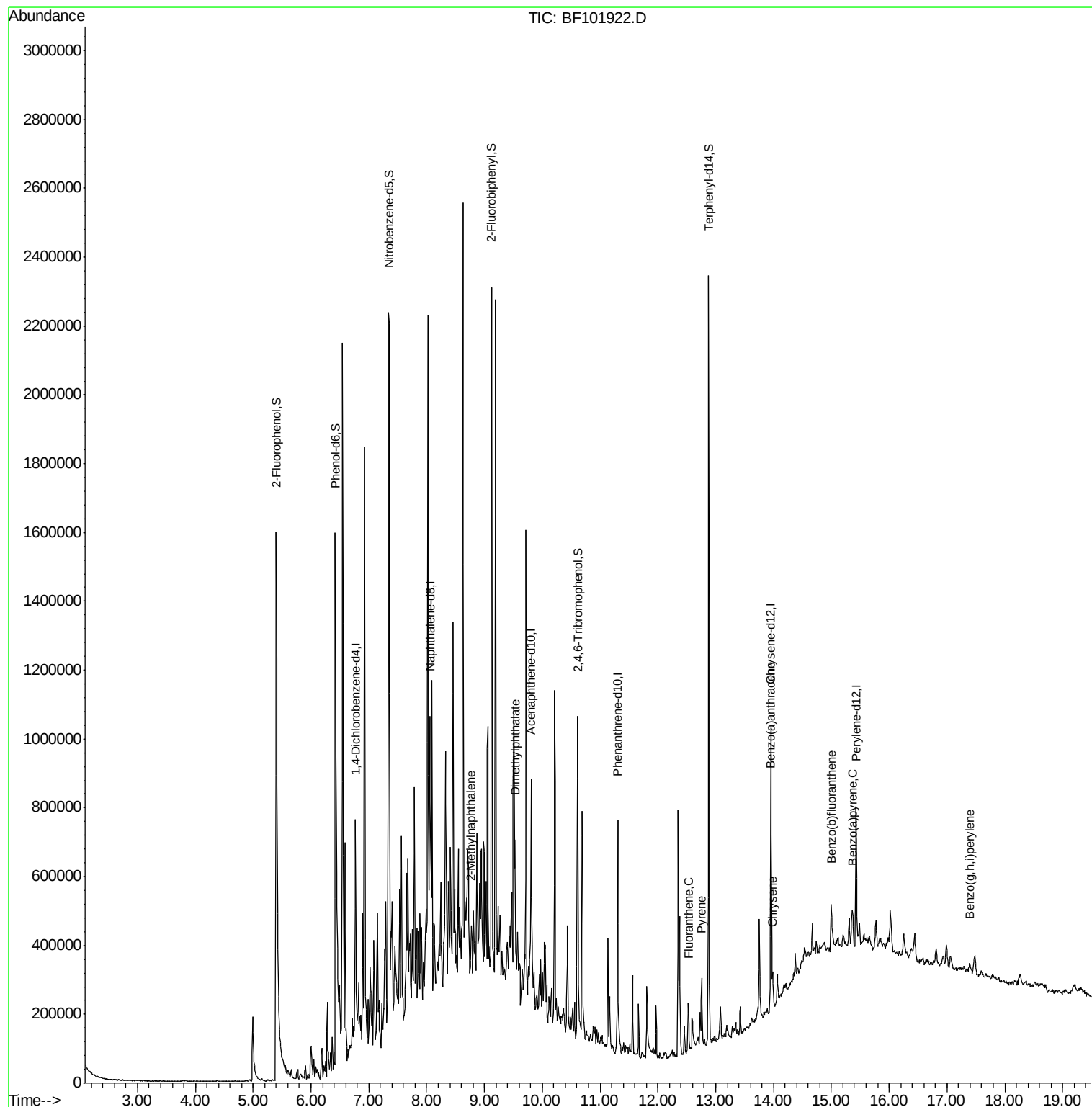
Data Path : U:\HPCHEM1\BNA F\DATA\BF010518\
Data File : BF101922.D
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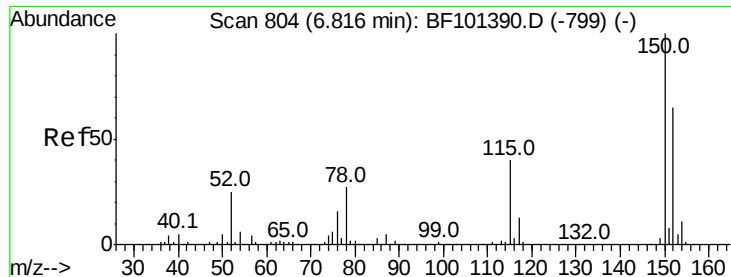
Instrument :
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#1

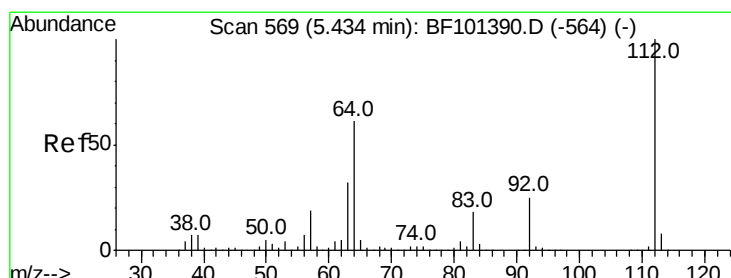
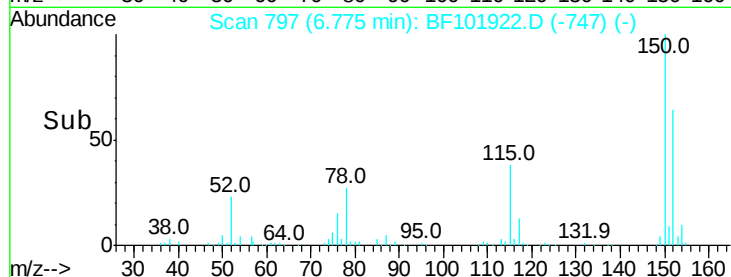
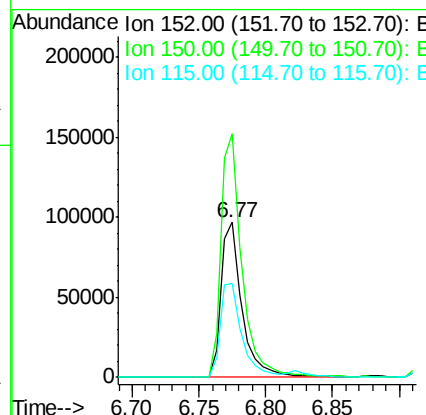
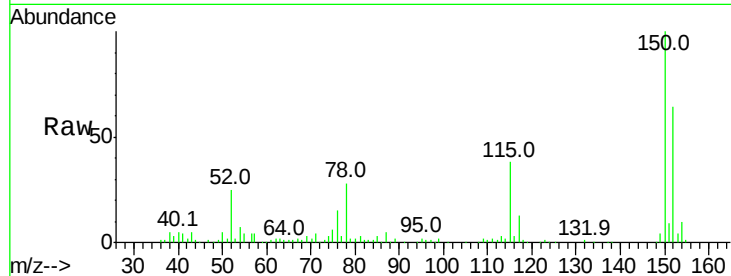
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.01 min
Lab File: BF101922.D
Acq: 5 Jan 2018 11:52

Instrument :
BNA_F
ClientSampleId :
RBR251588

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.3	124.6	186.8
115	60.2	50.1	75.1

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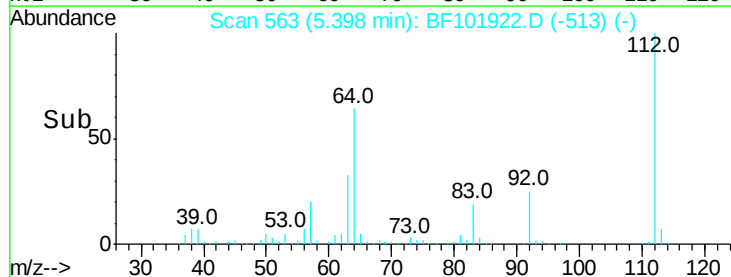
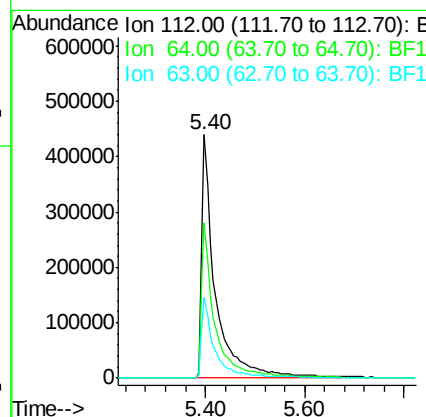
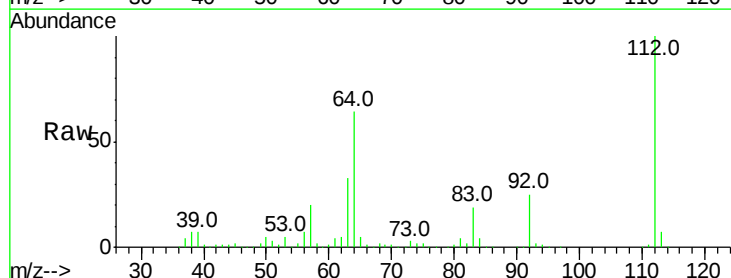
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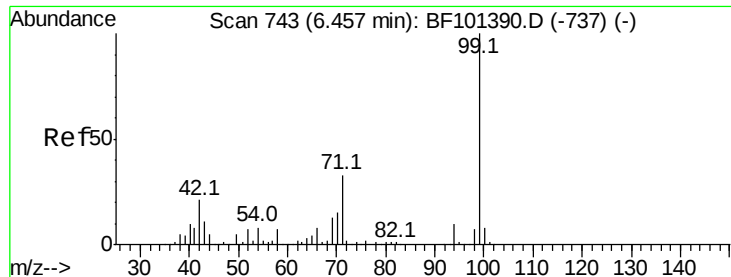


#5

2-Fluorophenol
Concen: 115.423 ng
RT: 5.40 min Scan# 563
Delta R.T. -0.01 min
Lab File: BF101922.D
Acq: 5 Jan 2018 11:52

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.7	47.9	71.9
63	33.2	23.7	35.5





#7

Phenol-d6

Concen: 100.743 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.01 min

Lab File: BF101922.D

Acq: 5 Jan 2018 11:52

Instrument :

BNA_F

ClientSampleId :

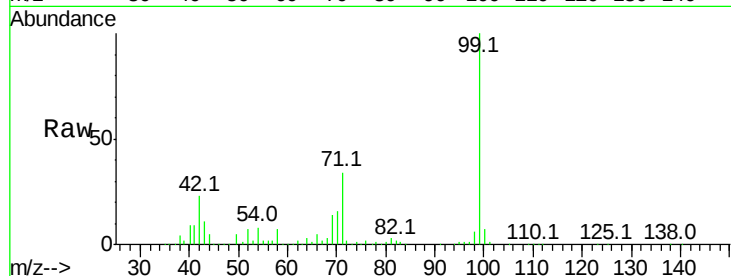
RBR251588

Tot Ion: 99 Resp: 912503

Ion	Ratio	Lower	Upper
99	100		
42	23.1	14.5	21.7#
71	33.6	25.4	38.0

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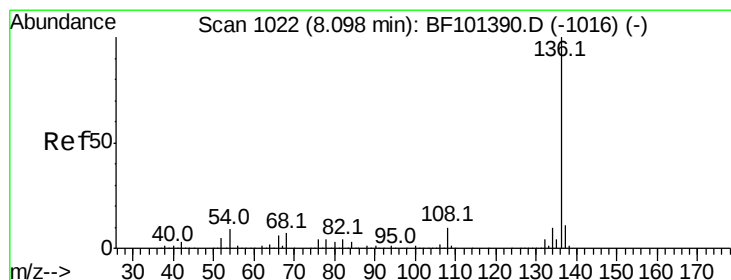
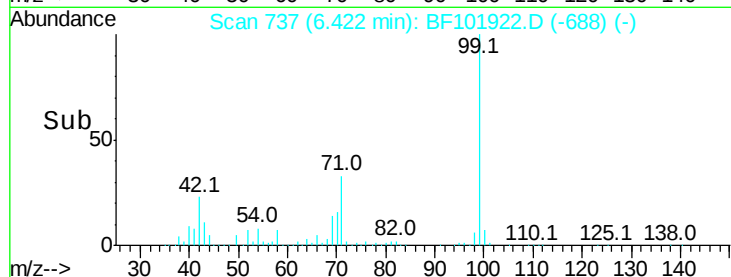
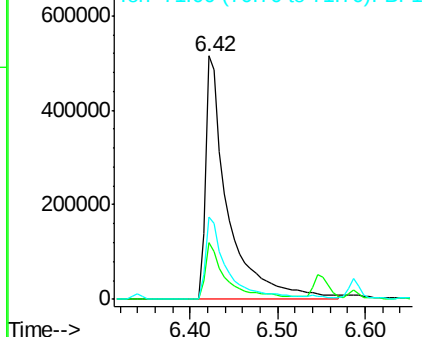
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.06 min Scan# 1015

Delta R.T. -0.01 min

Lab File: BF101922.D

Acq: 5 Jan 2018 11:52

Tgt Ion: 136 Resp: 361053

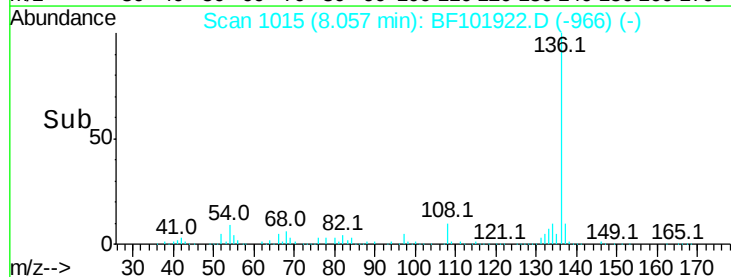
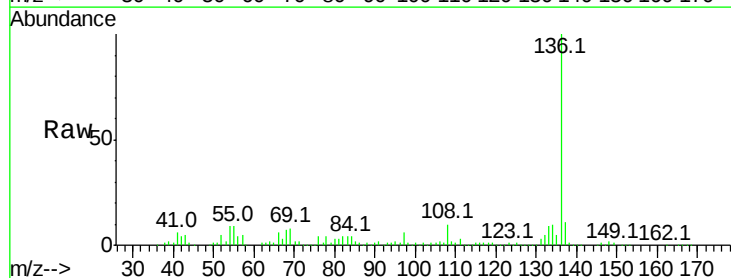
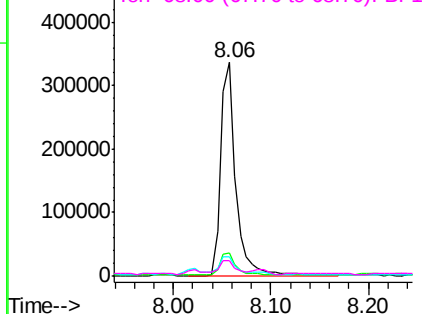
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.2	6.6	9.8
68	7.0	5.0	7.4

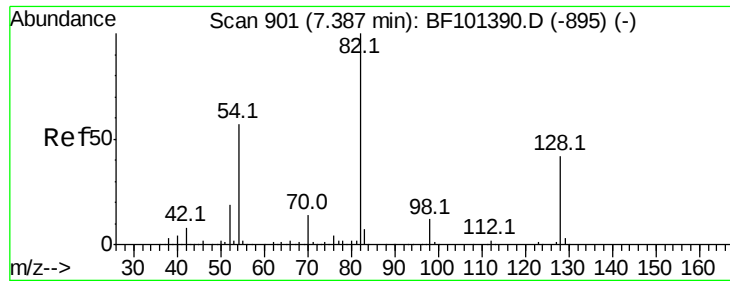
Abundance Ion 136.00 (135.70 to 136.70): E

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





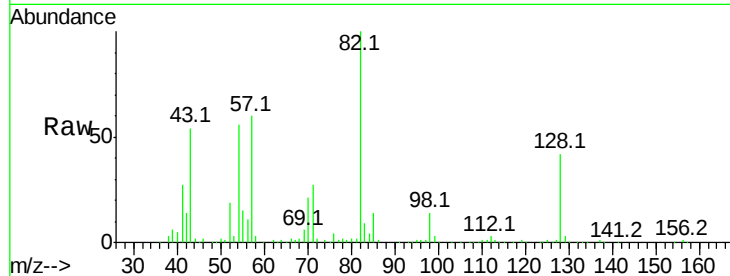
#23
Nitrobenzene-d5
Concen: 79.317 ng
RT: 7.35 min Scan# 894
Delta R.T. -0.02 min
Lab File: BF101922.D
Acq: 5 Jan 2018 11:52

Instrument :
BNA_F
ClientSampleId :
RBR251588

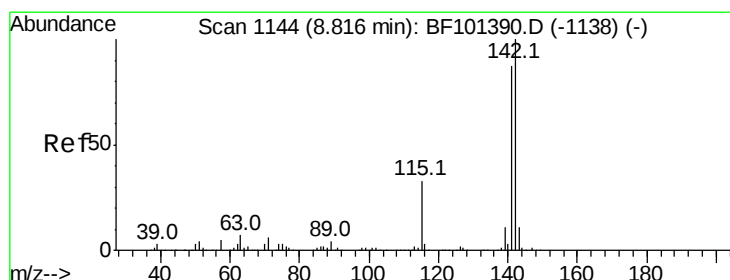
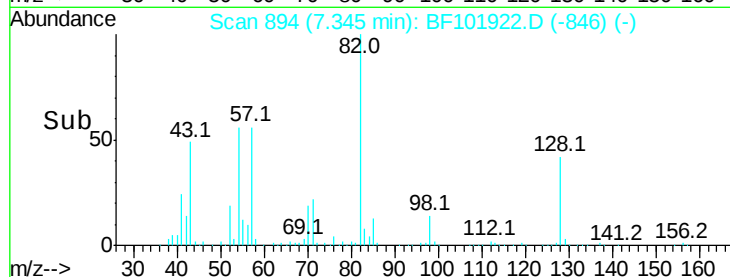
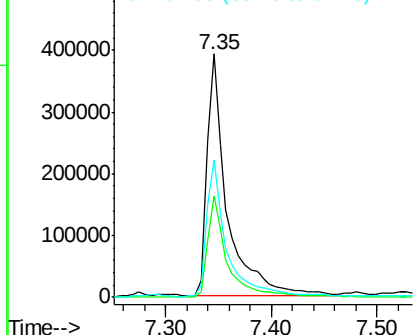
Tot Ion	Ratio	Lower	Upper
82	100		
128	41.8	36.1	54.1
54	56.3	41.4	62.2

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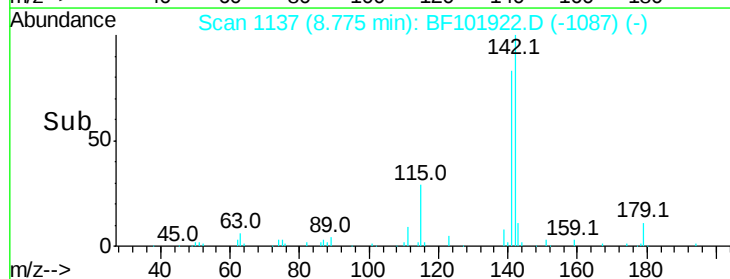
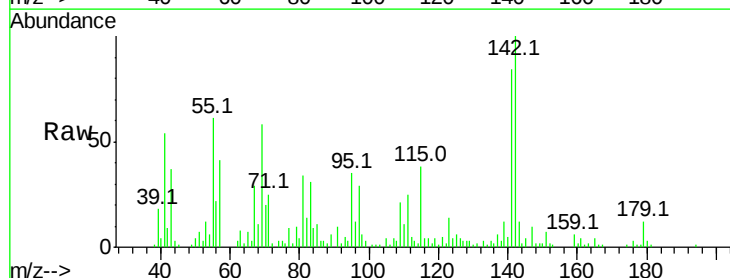
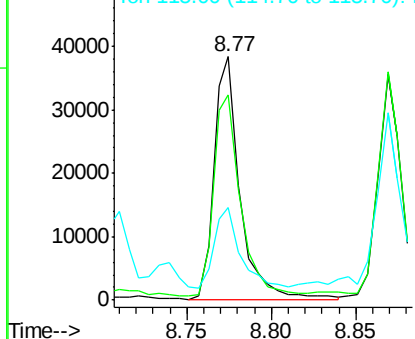
Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): BF1

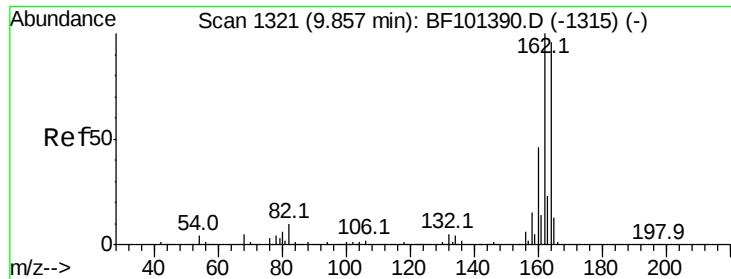


#37
2-Methylnaphthalene
Concen: 3.534 ng
RT: 8.77 min Scan# 1137
Delta R.T. -0.01 min
Lab File: BF101922.D
Acq: 5 Jan 2018 11:52

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.4	70.8	106.2
115	38.2	26.1	39.1

Abundance Ion 142.00 (141.70 to 142.70): B
Ion 141.00 (140.70 to 141.70): B
Ion 115.00 (114.70 to 115.70): B





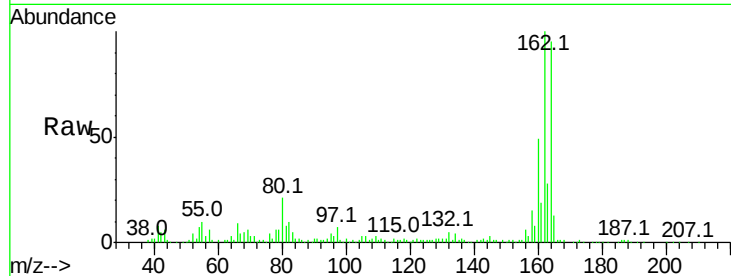
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.81 min Scan# 1313
Delta R.T. -0.01 min
Lab File: BF101922.D
Acq: 5 Jan 2018 11:52

Instrument :
BNA_F
ClientSampleId :
RBR251588

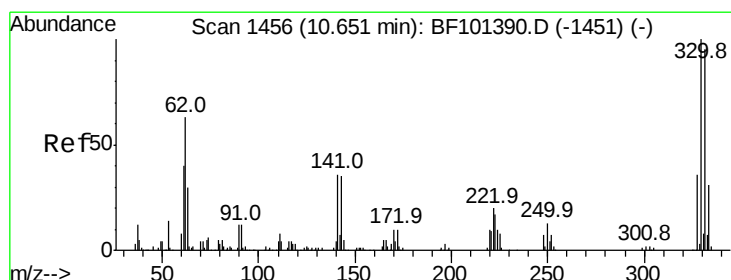
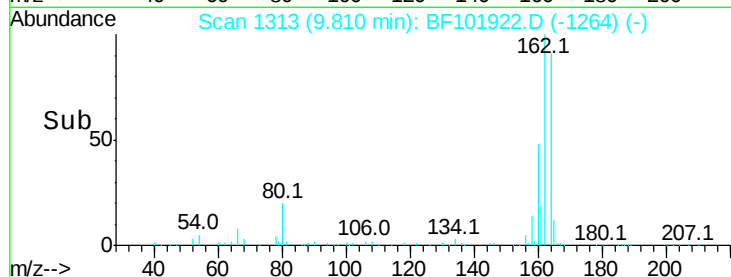
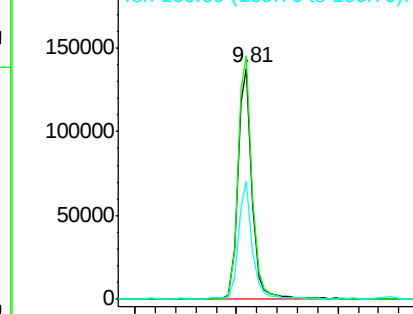
Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	105.2	86.1	129.1	
160	51.2	38.3	57.5	

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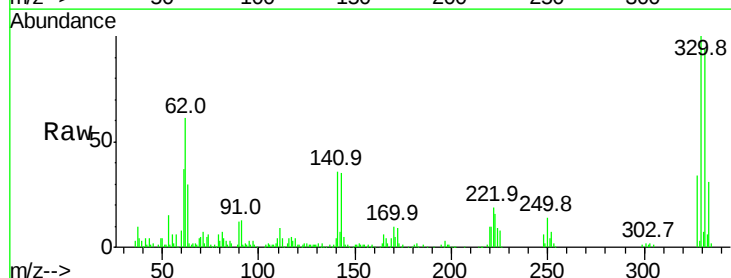


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

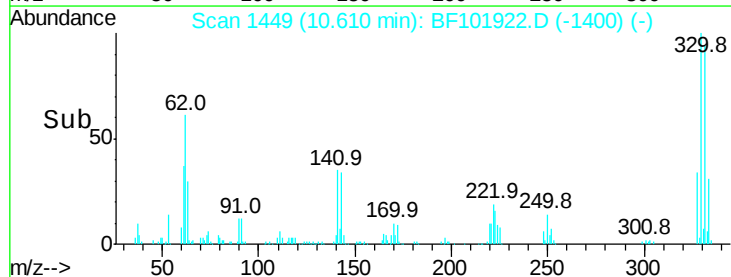
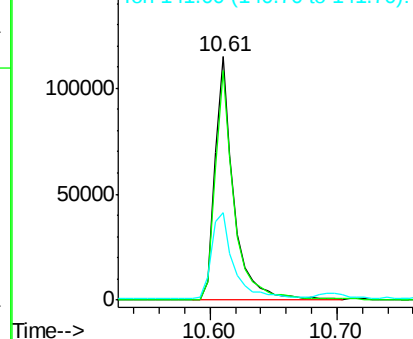


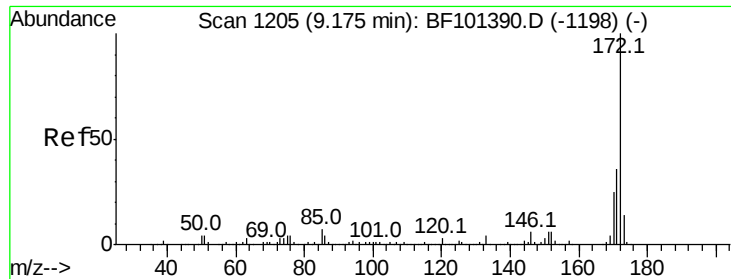
#41
2,4,6-Tribromophenol
Concen: 92.347 ng
RT: 10.61 min Scan# 1449
Delta R.T. -0.01 min
Lab File: BF101922.D
Acq: 5 Jan 2018 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	95.2	77.0	115.6	
141	41.1	29.9	44.9	



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: 79.330 ng

RT: 9.12 min Scan# 1196

Delta R.T. -0.02 min

Lab File: BF101922.D

Acq: 5 Jan 2018 11:52

Instrument :

BNA_F

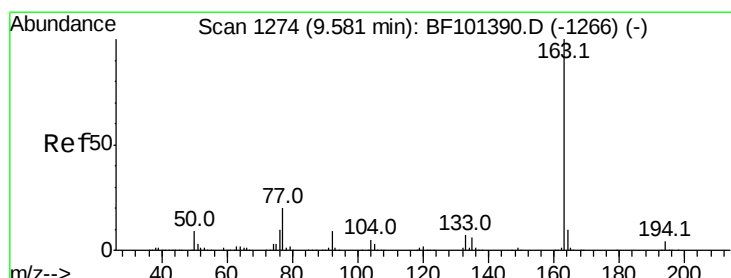
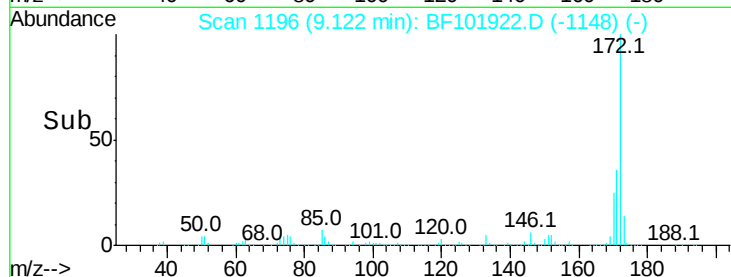
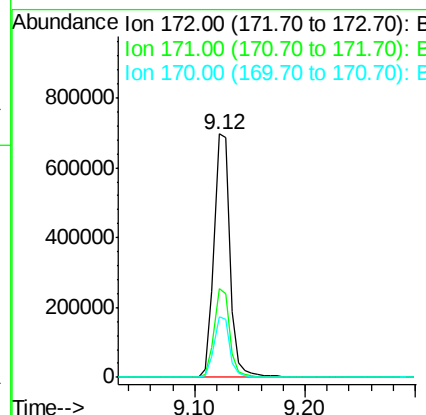
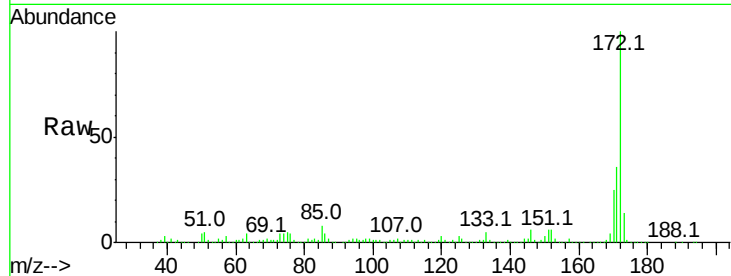
ClientSampleId :

RBR251588

Tot Ion:	172	Resp:	689915
Ion Ratio	Lower	Upper	
172	100		
171	36.2	29.7	44.5
170	24.7	19.6	29.4

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#49

Dimethylphthalate

Concen: 7.965 ng

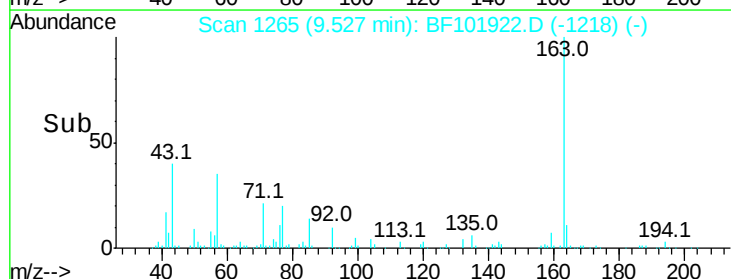
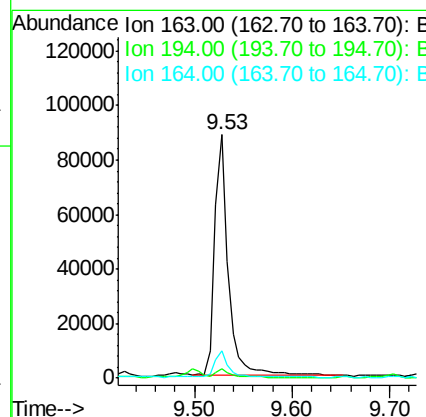
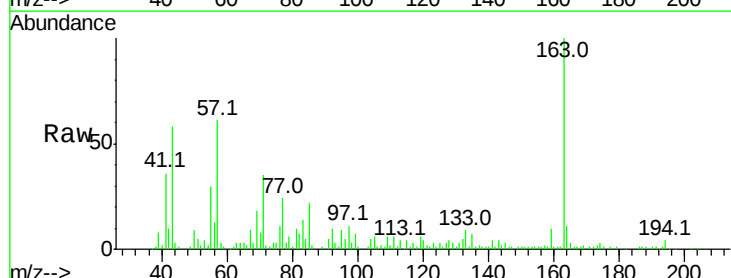
RT: 9.53 min Scan# 1265

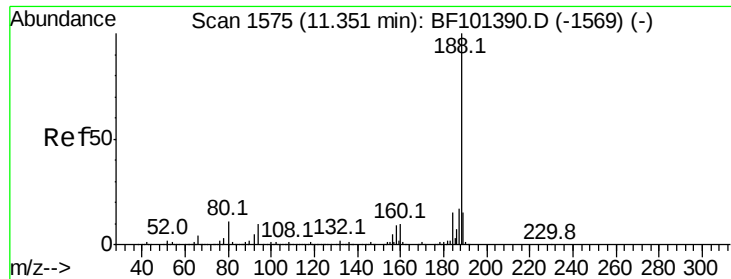
Delta R.T. -0.02 min

Lab File: BF101922.D

Acq: 5 Jan 2018 11:52

Tgt Ion:	163	Resp:	86432
Ion Ratio	Lower	Upper	
163	100		
194	4.0	2.7	4.1
164	11.0	8.2	12.2





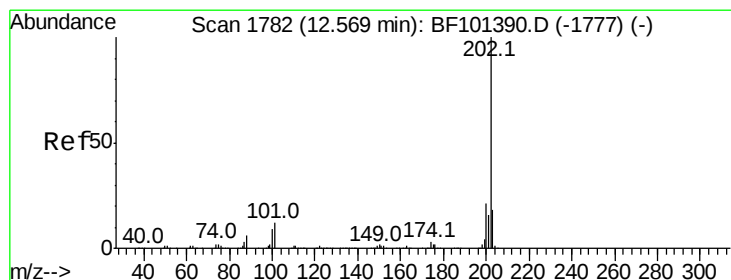
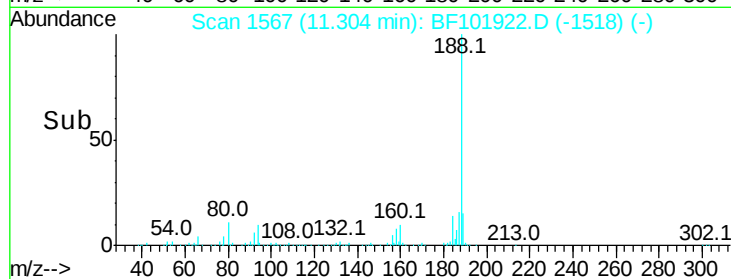
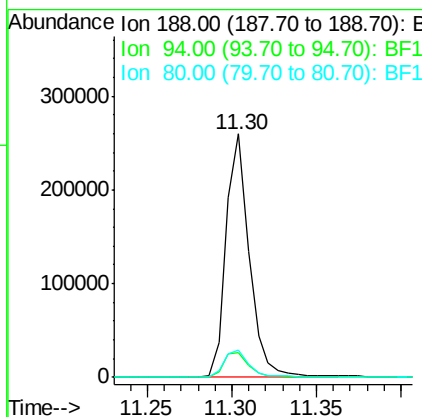
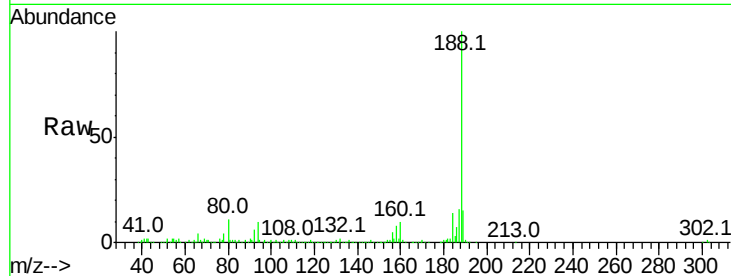
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.30 min Scan# 1567
Delta R.T. -0.01 min
Lab File: BF101922.D
Acq: 5 Jan 2018 11:52

Instrument :
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ClientSampleId :
RBR251588

Tot Ion:	188	Resp:	249908
Ion Ratio	Lower	Upper	
188	100		
94	10.3	8.5	12.7
80	11.2	9.2	13.8

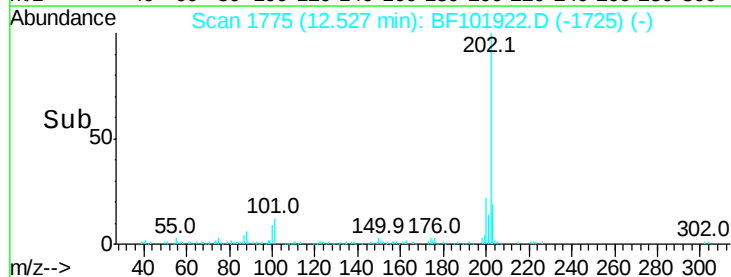
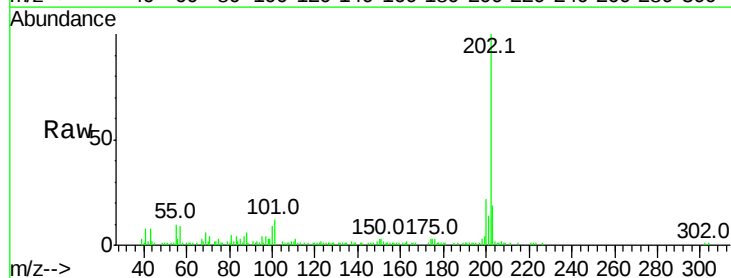
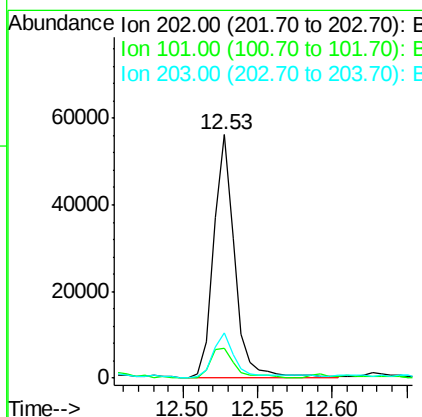
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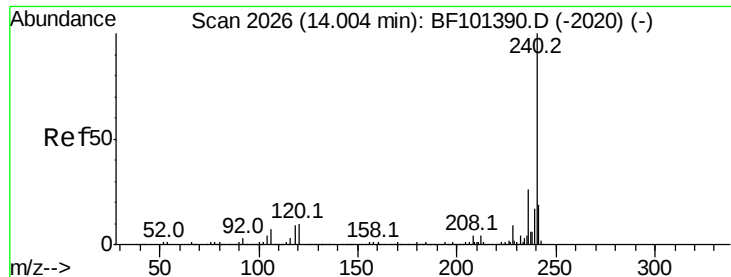
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#74
Fluoranthene
Concen: 3.800 ng
RT: 12.53 min Scan# 1775
Delta R.T. -0.01 min
Lab File: BF101922.D
Acq: 5 Jan 2018 11:52

Tgt Ion:	202	Resp:	55439
Ion Ratio	Lower	Upper	
202	100		
101	12.3	0.0	34.1
203	18.7	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.02 min

Lab File: BF101922.D

Acq: 5 Jan 2018 11:52

Instrument :

BNA_F

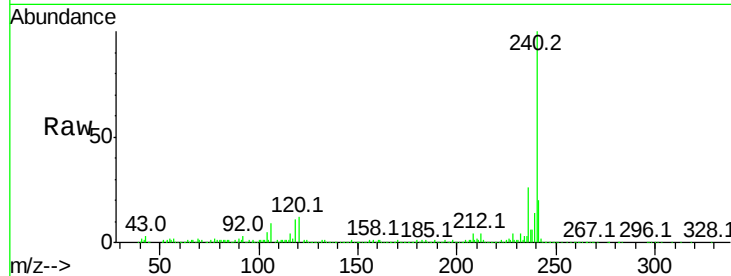
ClientSampleId :

RBR251588

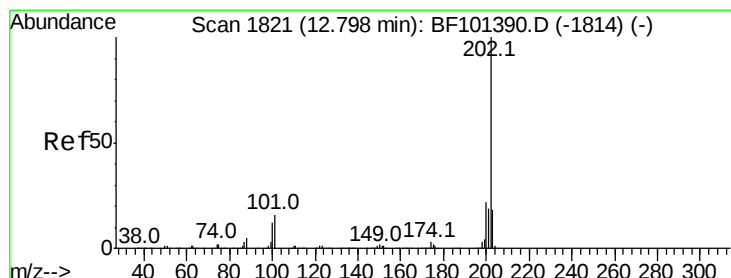
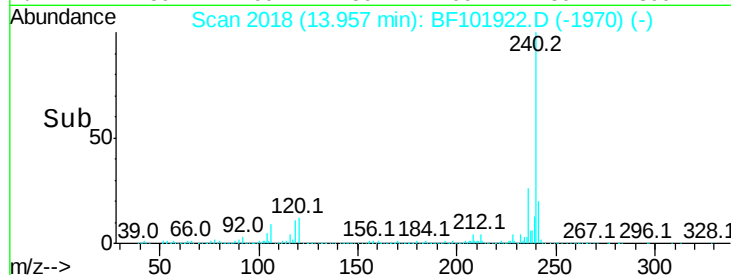
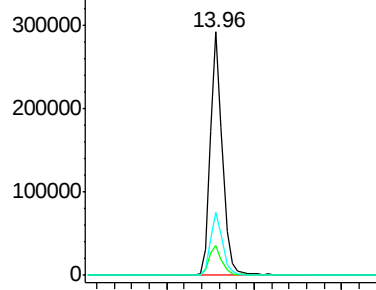
Tot Ion:	240	Resp:	272349
Ion Ratio	Lower	Upper	
240	100		
120	12.3	9.5	14.3
236	26.0	20.7	31.1

Manual Integrations
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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: 3.494 ng

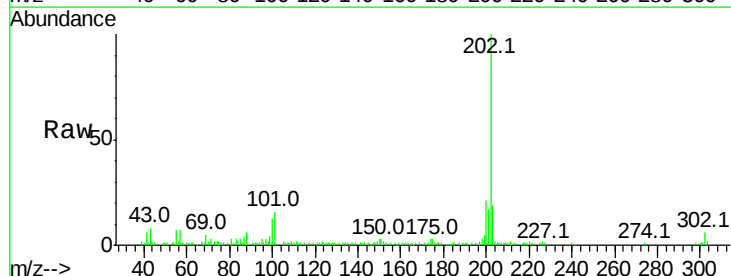
RT: 12.76 min Scan# 1814

Delta R.T. -0.01 min

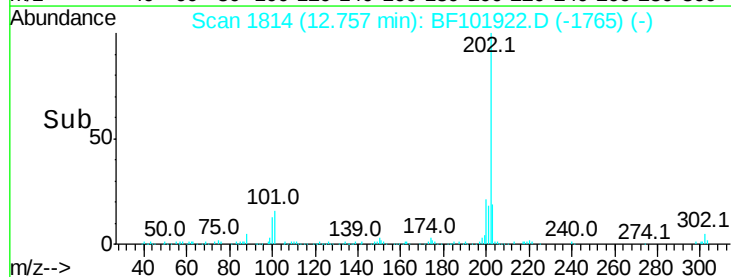
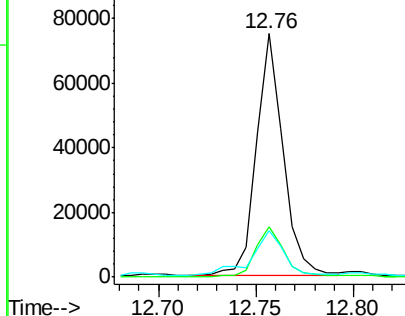
Lab File: BF101922.D

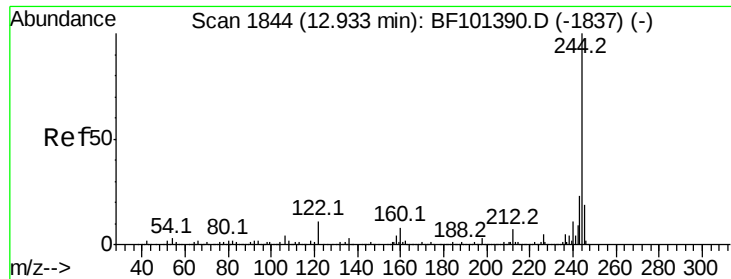
Acq: 5 Jan 2018 11:52

Tgt Ion:	202	Resp:	71426
Ion Ratio	Lower	Upper	
202	100		
200	20.5	17.4	26.2
203	19.2	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





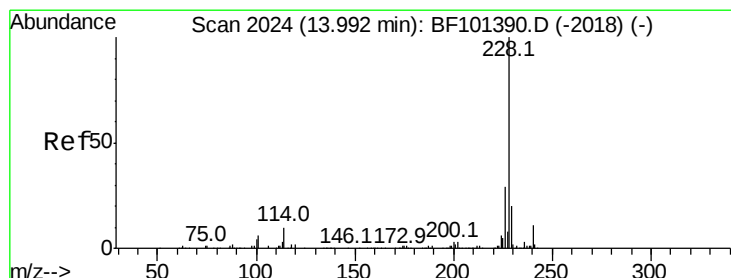
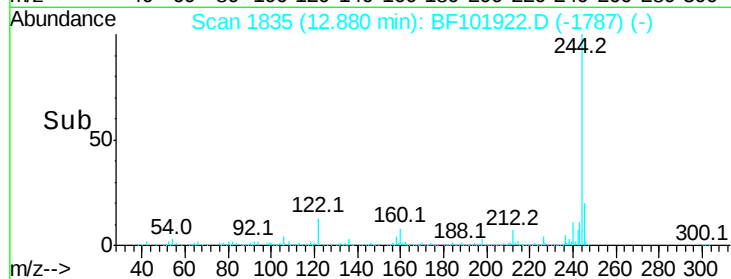
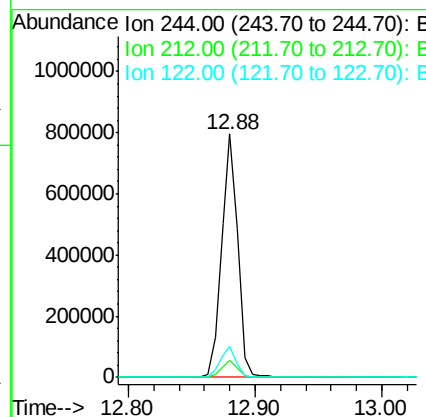
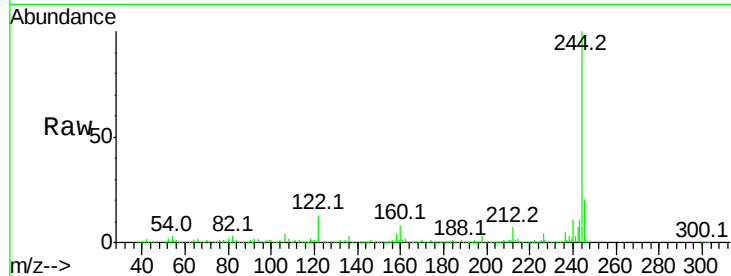
#78
 Terphenyl-d14
 Concen: 63.172 ng
 RT: 12.88 min Scan# 1835
 Delta R.T. -0.02 min
 Lab File: BF101922.D
 Acq: 5 Jan 2018 11:52

Instrument :
 BNA_F
 ClientSampleId :
 RBR251588

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	12.8	11.0	16.4

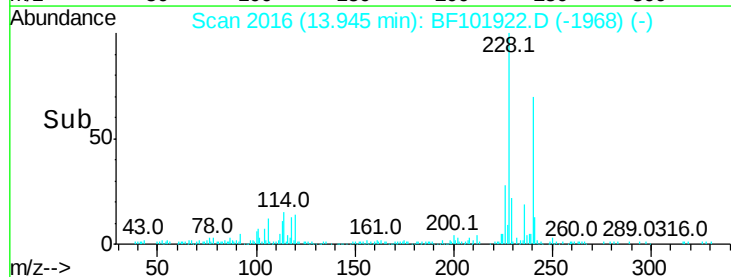
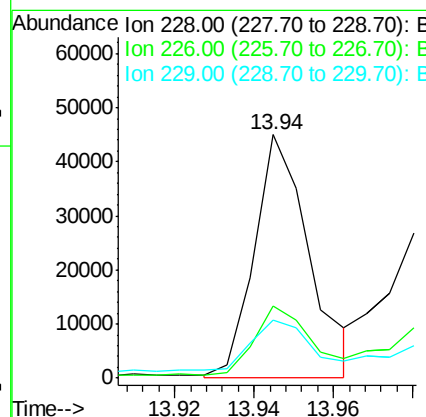
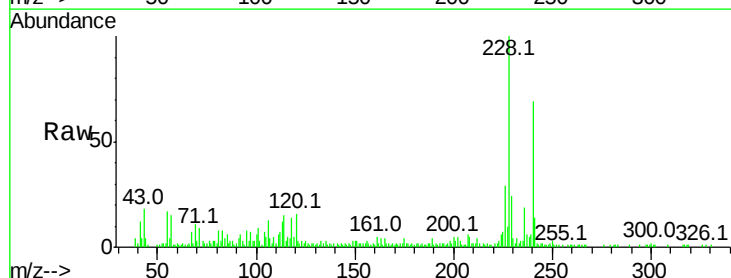
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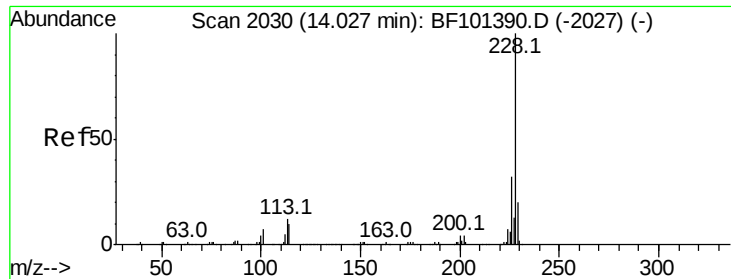
Sohil
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#80
 Benzo(a)anthracene
 Concen: 2.414 ng m
 RT: 13.94 min Scan# 2016
 Delta R.T. -0.02 min
 Lab File: BF101922.D
 Acq: 5 Jan 2018 11:52

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.4	22.6	33.8
229	23.6	15.8	23.6#





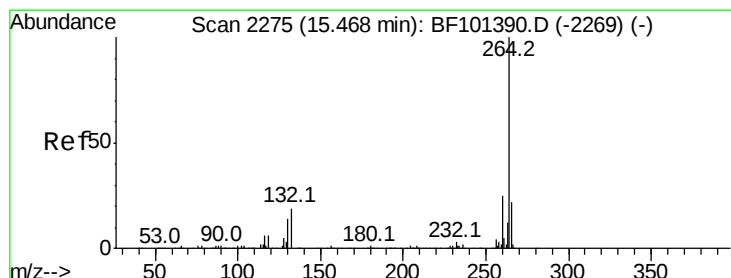
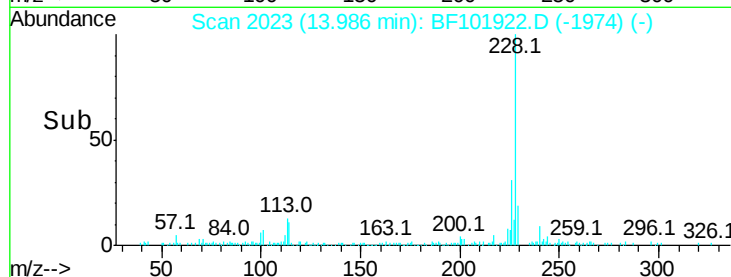
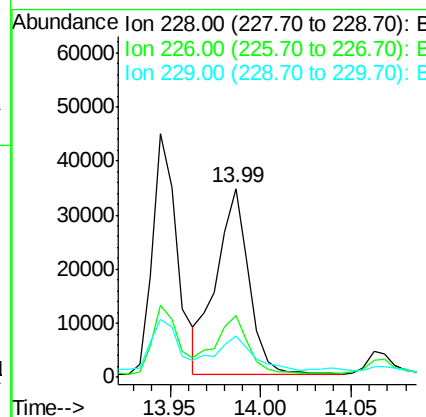
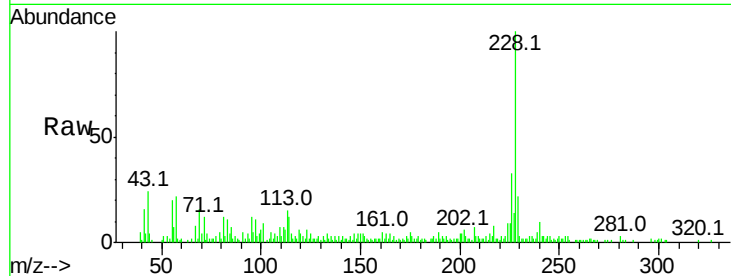
#82
Chrysene
Concen: 2.507 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF101922.D
Acq: 5 Jan 2018 11:52

Instrument :
BNA_F
ClientSampleId :
RBR251588

Tot Ion	Ratio	Lower	Upper
228	100		
226	32.6	25.0	37.6
229	21.8	16.2	24.4

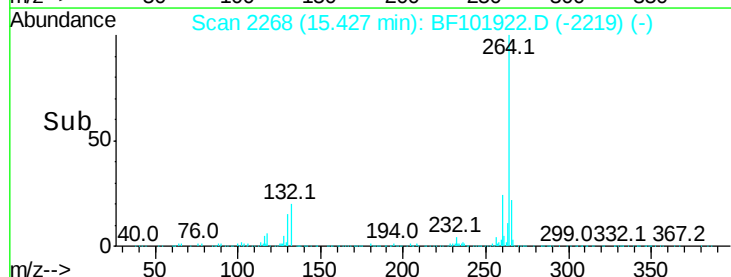
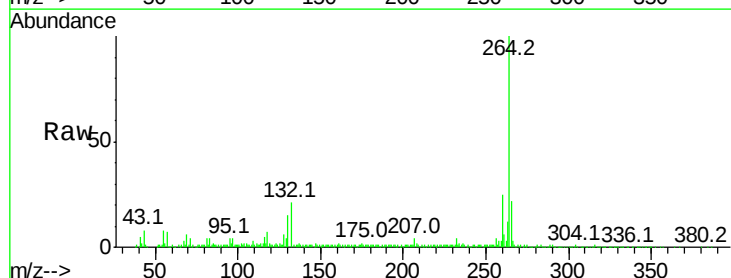
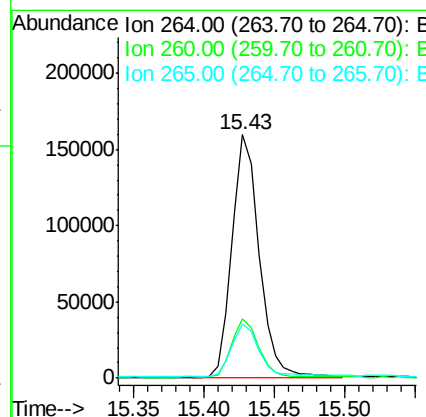
Manual Integrations
APPROVED

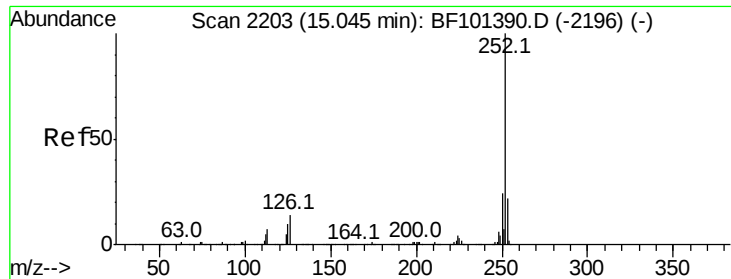
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#86
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF101922.D
Acq: 5 Jan 2018 11:52

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.2	28.8
265	22.3	17.5	26.3





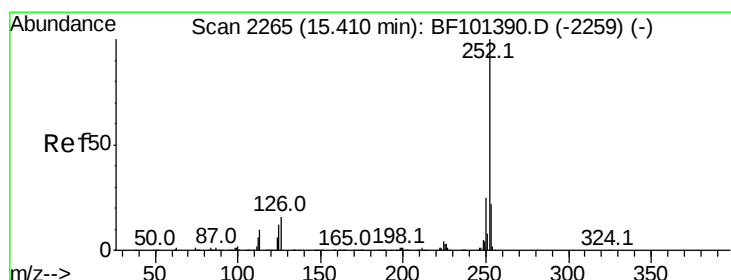
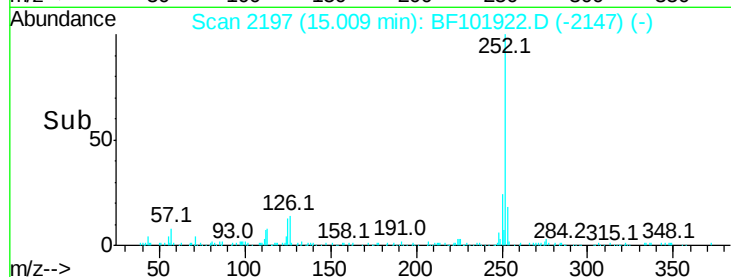
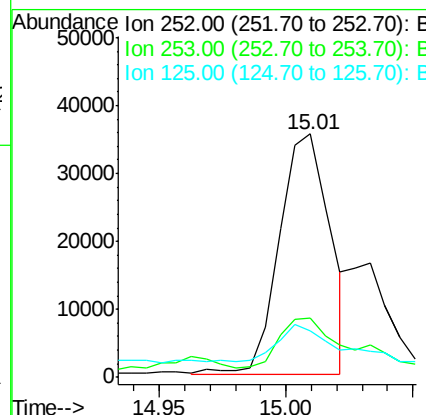
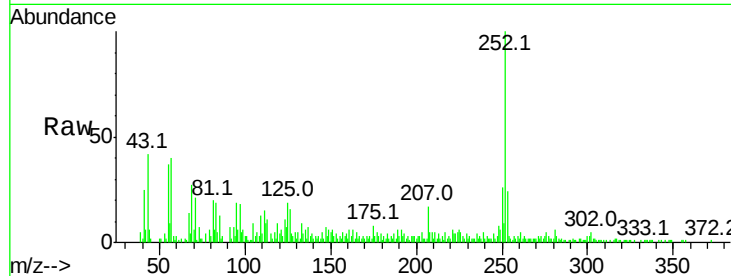
#87
Benzo(b)fluoranthene
Concen: 3.752 ng m
RT: 15.01 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BF101922.D
Acq: 5 Jan 2018 11:52

Instrument :
BNA_F
ClientSampleId :
RBR251588

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.0	25.6
125	19.3	9.0	13.6

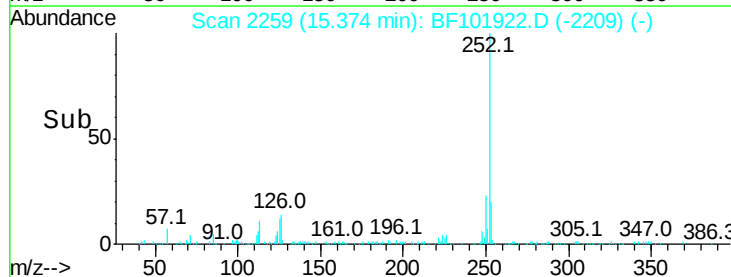
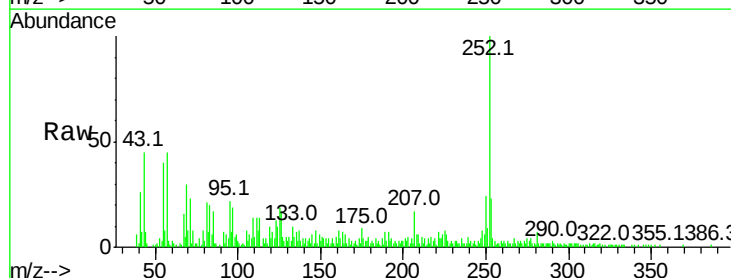
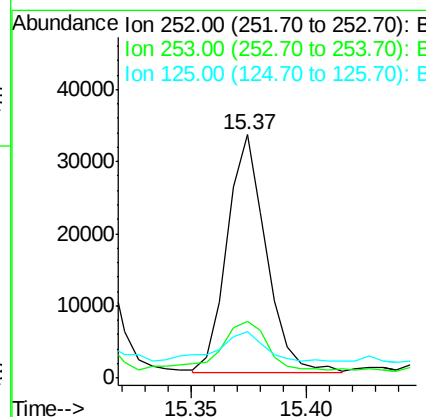
Manual Integrations
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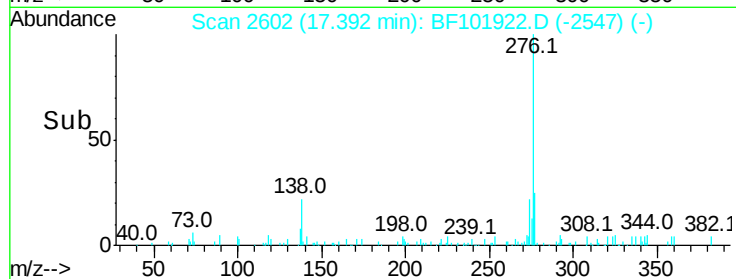
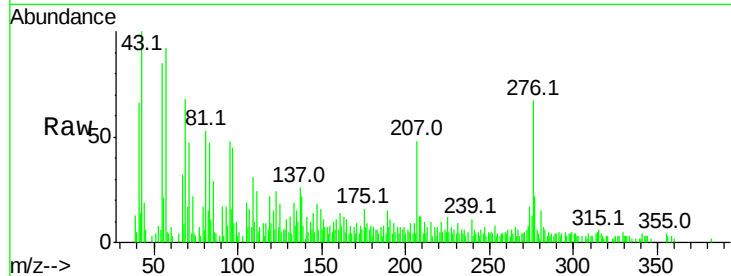
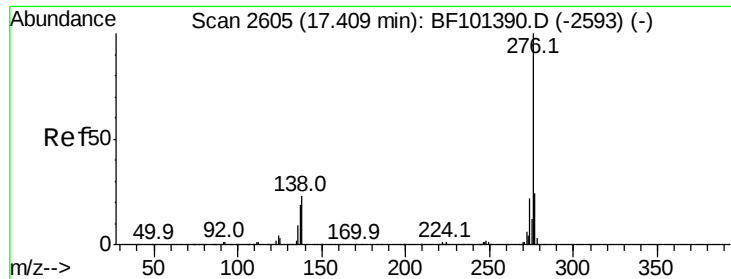
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1/8/2018 4:21:40 PM



#89
Benzo(a)pyrene
Concen: 3.184 ng
RT: 15.37 min Scan# 2259
Delta R.T. -0.01 min
Lab File: BF101922.D
Acq: 5 Jan 2018 11:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.1	25.7
125	19.0	9.8	14.6





#91

Benzo(a,h,i)perylene

Concen: 2.022 ng

RT: 17.39 min Scan# 2602

Delta R.T. 0.02 min

Lab File: BF101922.D

Acq: 5 Jan 2018 11:52

Instrument :

BNA_F

ClientSampleId :

RBR251588

Tot Ion:276 Resp: 20759

Ion Ratio Lower Upper

276 100

277 32.2 17.9 26.9#

138 33.2 21.8 32.8#

Manual Integrations
APPROVED

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