

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100218\
 Data File : BF109496.D
 Acq On : 2 Oct 2018 13:01
 Operator : JU/SJ
 Sample : J5155-04DL 5X
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW9-GWDL

Manual Integrations
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Sohil
 10/3/2018 9:30:59 AM

Quant Time: Oct 02 13:59:39 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 22 13:32:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.70	152	98882	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	358785	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	193401	20.00	ng	0.00
63) Phenanthrene-d10	11.21	188	376864	20.00	ng	0.00
75) Chrysene-d12	13.84	240	282961	20.00	ng	0.00
86) Perylene-d12	15.24	264	268665	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	6025	1.00	ng	0.01
7) Phenol-d6	6.36	99	16976	2.22	ng	0.00
23) Nitrobenzene-d5	7.26	82	27303	4.49	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	8619	4.52	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	51761	4.04	ng	-0.02
78) Terphenyl-d14	12.79	244	32618	2.83	ng	-0.02
Target Compounds						
6) Aniline	6.37	93	38672	3.946	ng	# 43
10) Phenol	6.37	94	46555	5.366	ng	# 50
17) 2-Methylphenol	6.97	107	47088m	8.717	ng	
20) 3+4-Methylphenols	7.13	107	109927	16.855	ng	# 83
22) Acetophenone	7.12	105	269752	32.520	ng	# 97
27) 2,4-Dimethylphenol	7.66	122	88181	18.491	ng	98
31) Naphthalene	8.03	128	5737516	342.213	ng	95
37) 2-Methylnaphthalene	8.70	142	479580	44.372	ng	98
45) 1,1'-Biphenyl	9.16	154	70399	4.468	ng	97
49) Dimethylphthalate	9.46	163	75327	5.355	ng	100
51) Acenaphthene	9.76	154	98203	8.553	ng	99
54) Dibenzofuran	9.94	168	132497	7.760	ng	98
57) Fluorene	10.28	166	57336	4.706	ng	99
70) Phenanthrene	11.23	178	116885	6.212	ng	99
72) Carbazole	11.44	167	67769	3.569	ng	100

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

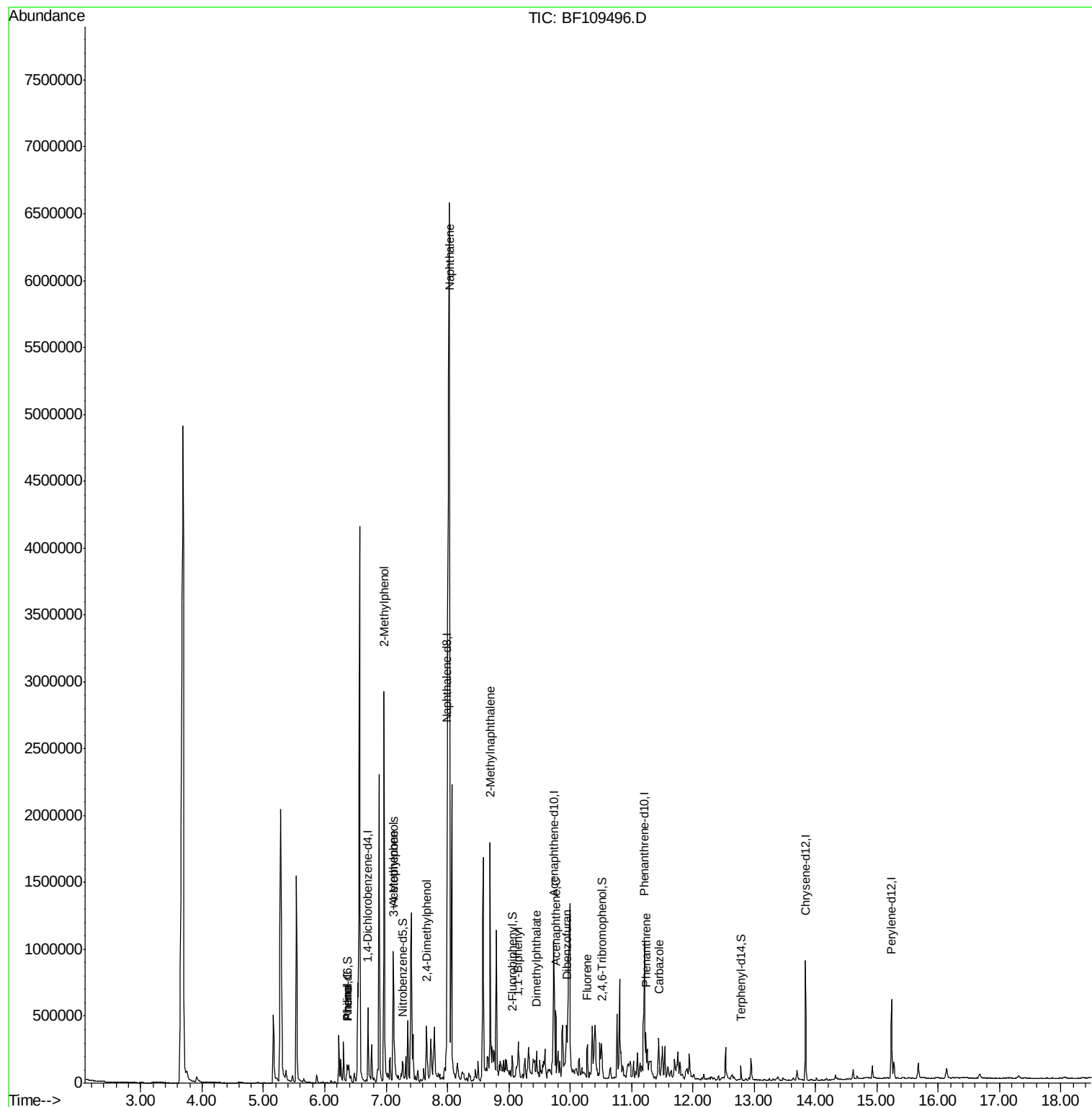
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100218\
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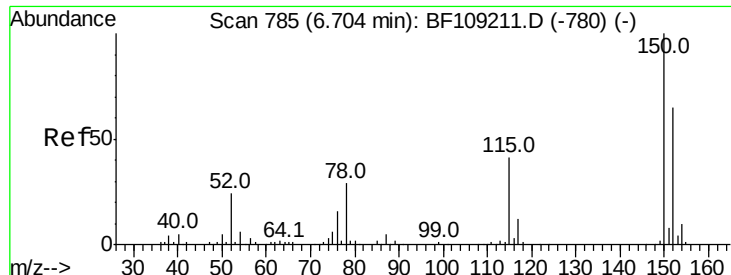
Instrument :
BNA_F
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QNWP8-MW9-GWDL

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

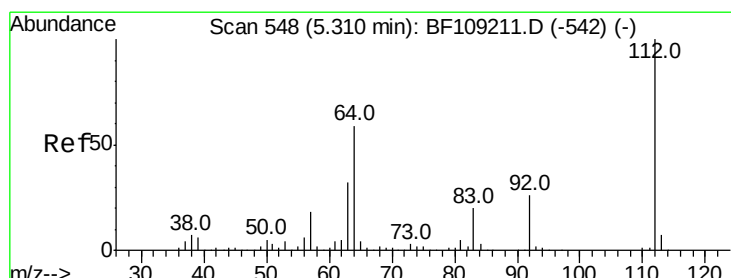
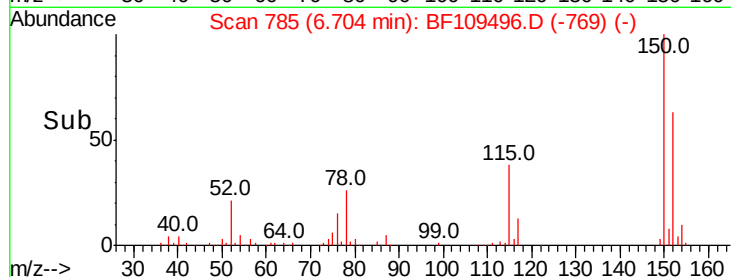
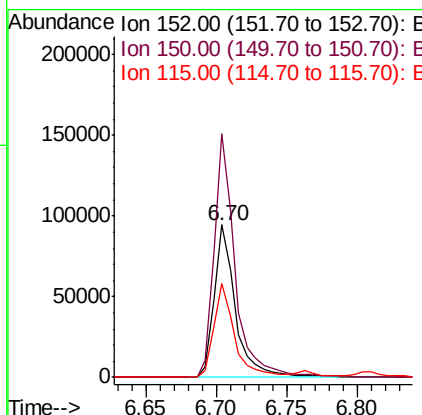
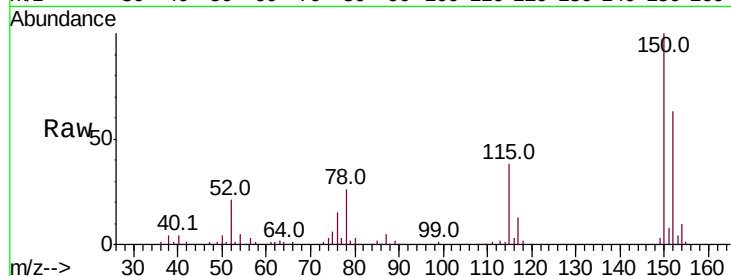
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109496.D
Acq: 2 Oct 2018 13:01

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW9-GWDL

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.0	124.6	186.8
115	61.3	50.1	75.1

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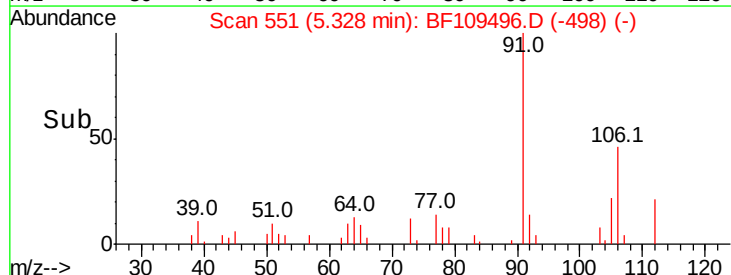
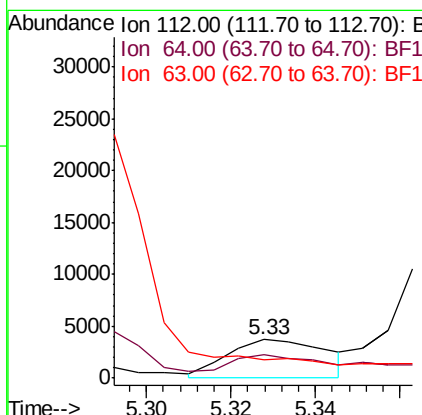
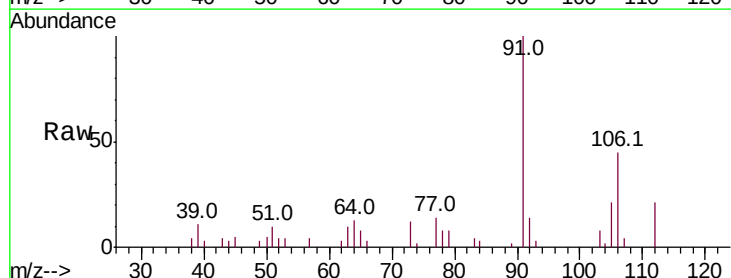
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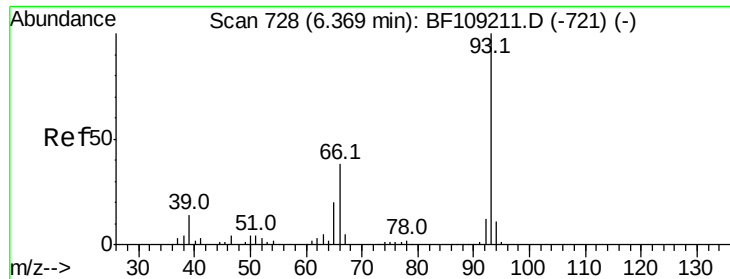


#5

2-Fluorophenol
Concen: 1.004 ng
RT: 5.33 min Scan# 551
Delta R.T. 0.01 min
Lab File: BF109496.D
Acq: 2 Oct 2018 13:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.9	47.9	71.9
63	47.4	23.7	35.5





#6

Aniline

Concen: 3.946 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF109496.D

Acq: 2 Oct 2018 13:01

Instrument :

BNA_F

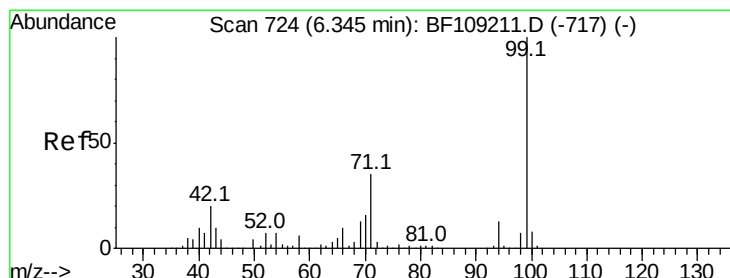
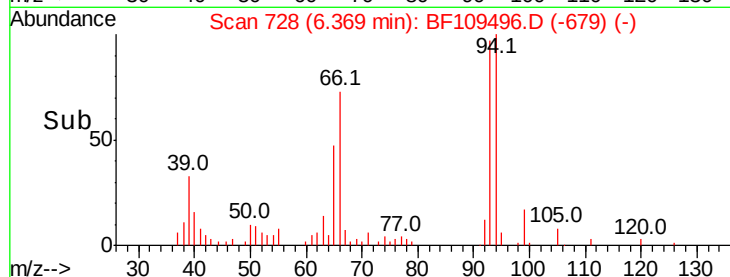
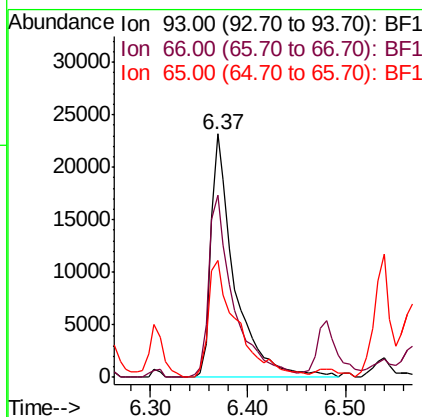
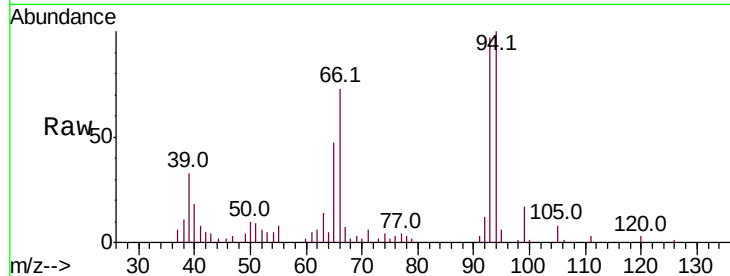
ClientSampleId :

QNWP8-MW9-GWDL

Tot Ion:	93	Resp:	38672
Ion Ratio	Lower	Upper	
93	100		
66	74.8	32.2	48.2#
65	47.9	16.4	24.6#

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#7

Phenol-d6

Concen: 2.216 ng

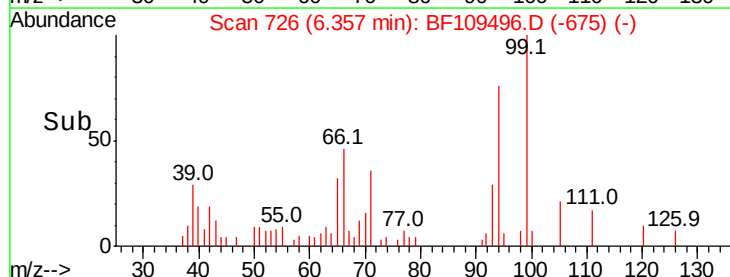
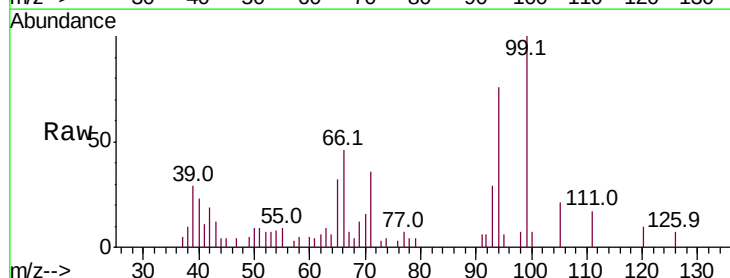
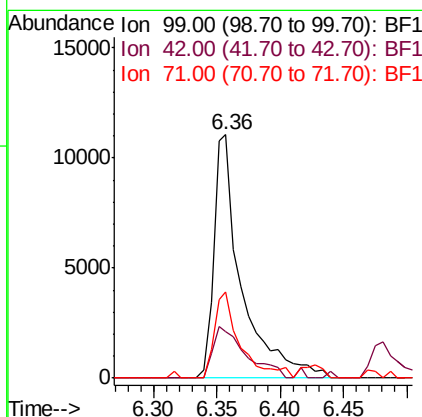
RT: 6.36 min Scan# 726

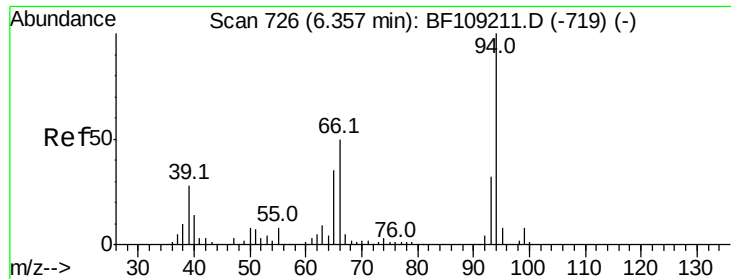
Delta R.T. -0.00 min

Lab File: BF109496.D

Acq: 2 Oct 2018 13:01

Tgt Ion:	99	Resp:	16976
Ion Ratio	Lower	Upper	
99	100		
42	19.1	14.5	21.7
71	35.6	25.4	38.0





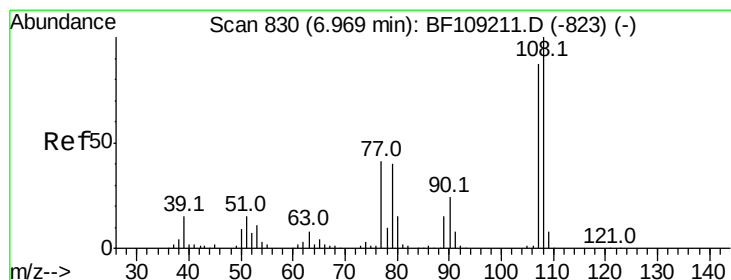
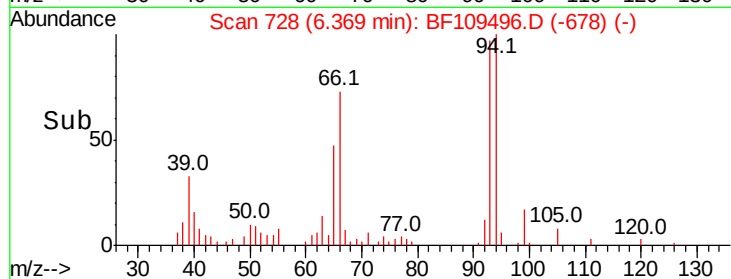
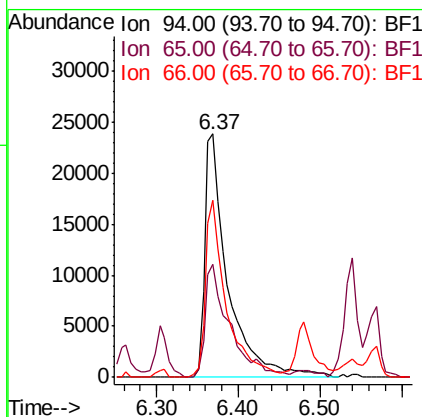
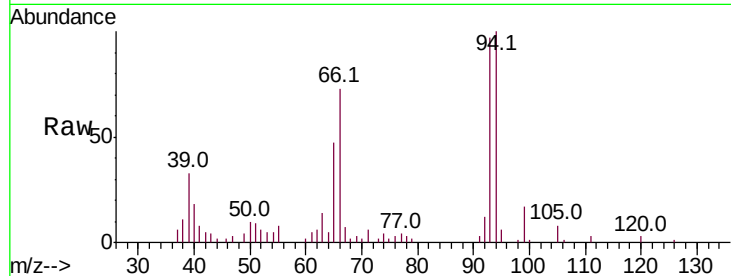
#10
Phenol
Concen: 5.366 ng
RT: 6.37 min Scan# 728
Delta R.T. -0.01 min
Lab File: BF109496.D
Acq: 2 Oct 2018 13:01

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW9-GWDL

Tot Ion	Ratio	Lower	Upper
94	100		
65	46.5	7.9	47.9
66	72.7	16.2	56.2

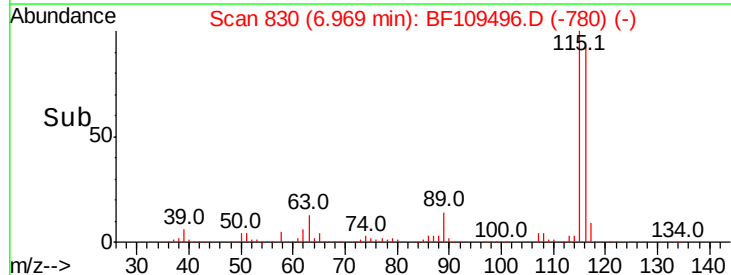
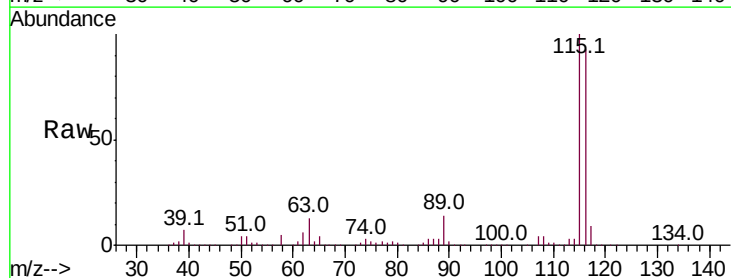
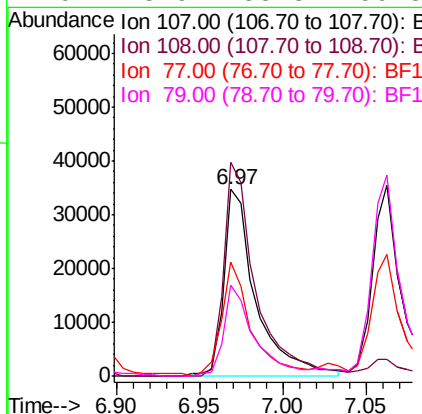
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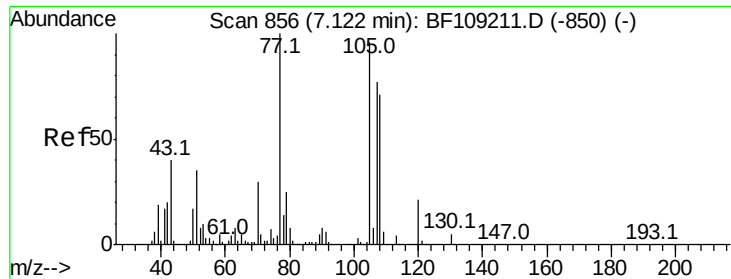
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#17
2-Methylphenol
Concen: 8.717 ng m
RT: 6.97 min Scan# 830
Delta R.T. -0.01 min
Lab File: BF109496.D
Acq: 2 Oct 2018 13:01

Tgt Ion	Ratio	Lower	Upper
107	100		
108	114.5	91.7	137.5
77	61.2	33.8	50.8
79	48.9	33.8	50.8





#20

3+4-Methylphenols

Concen: 16.855 ng

RT: 7.13 min Scan# 857

Delta R.T. -0.01 min

Lab File: BF109496.D

Acq: 2 Oct 2018 13:01

Instrument :

BNA_F

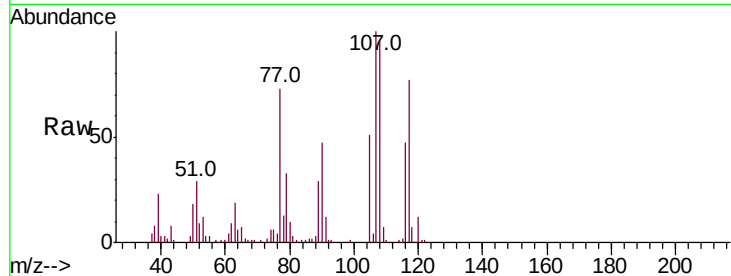
ClientSampleId :

QNWP8-MW9-GWDL

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	94.7	68.2	108.2	
77	72.6	26.7	66.7#	
79	32.6	6.3	46.3	

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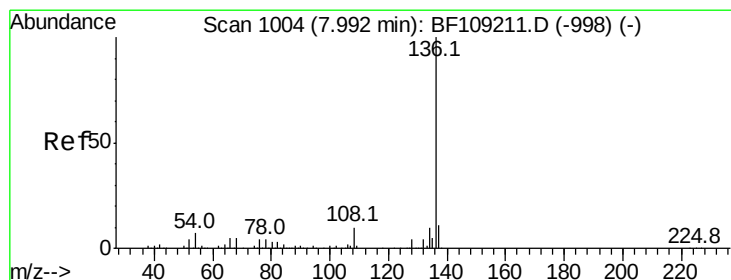
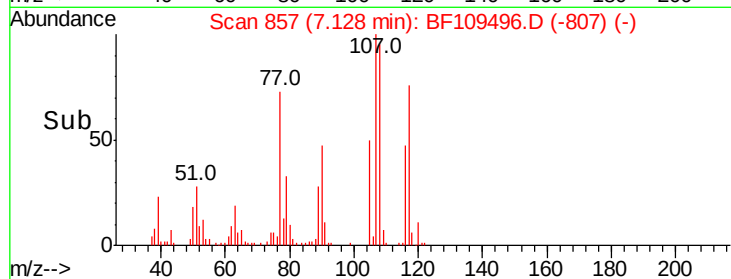
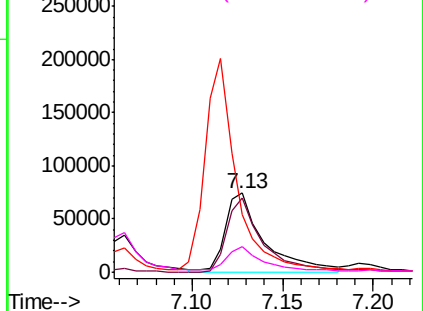
Abundance

Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.99 min Scan# 1004

Delta R.T. -0.00 min

Lab File: BF109496.D

Acq: 2 Oct 2018 13:01

Tgt Ion	Ratio	Resp	Lower	Upper
136	100			
137	10.8	8.9	13.3	
54	6.9	6.6	9.8	
68	5.6	5.0	7.4	

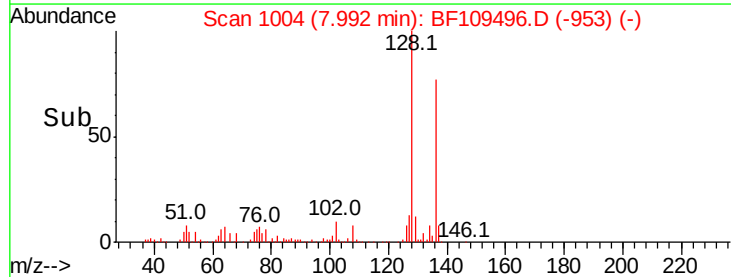
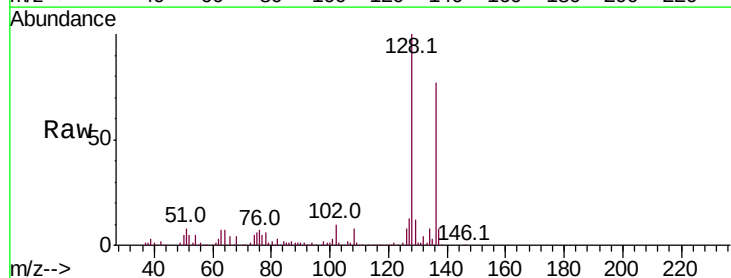
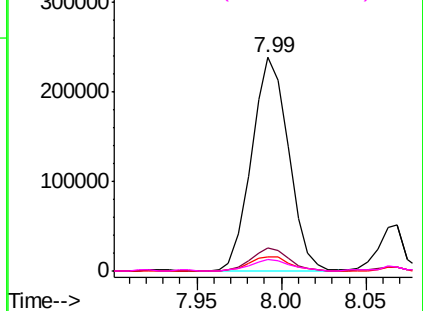
Abundance

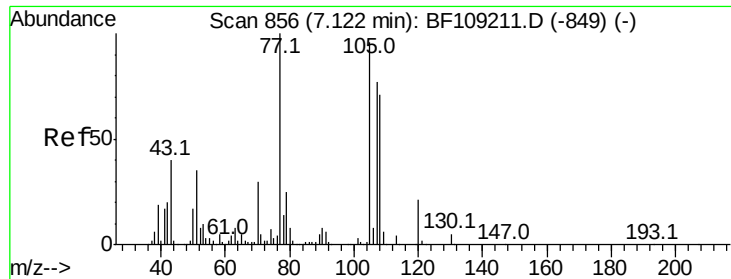
Ion 136.00 (135.70 to 136.70): E

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





#22

Acetophenone

Concen: 32.520 ng

RT: 7.12 min Scan# 855

Delta R.T. -0.01 min

Lab File: BF109496.D

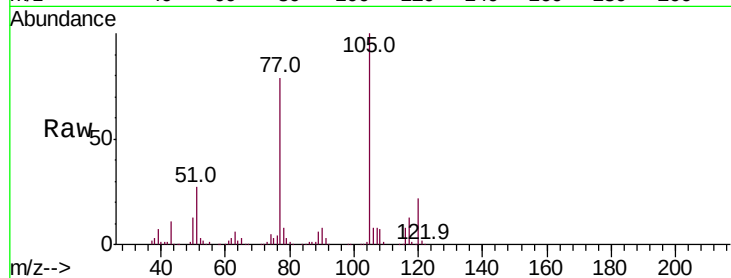
Acq: 2 Oct 2018 13:01

Instrument :

BNA_F

ClientSampleId :

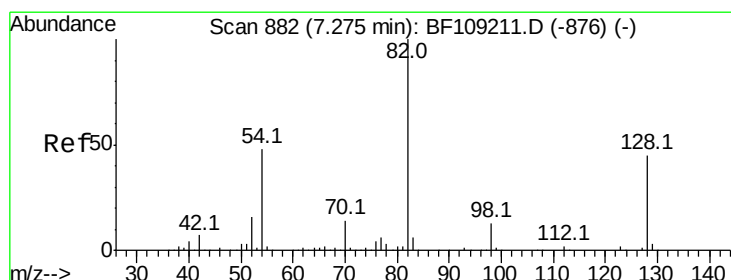
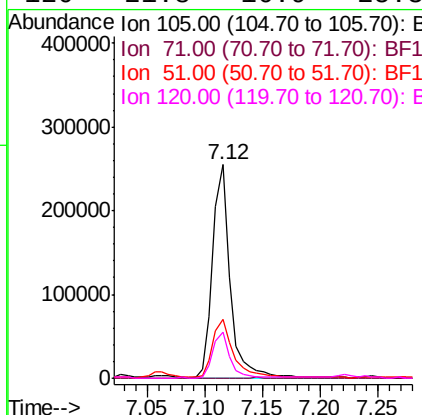
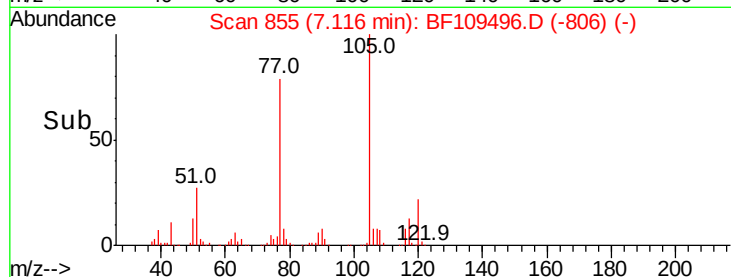
QNWP8-MW9-GWDL



Tot Ion:	105	Resp:	269752
Ion Ratio	Lower	Upper	
105	100		
71	0.2	4.4	6.6#
51	27.5	22.3	33.5
120	21.8	16.9	25.3

Manual Integrations
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#23

Nitrobenzene-d5

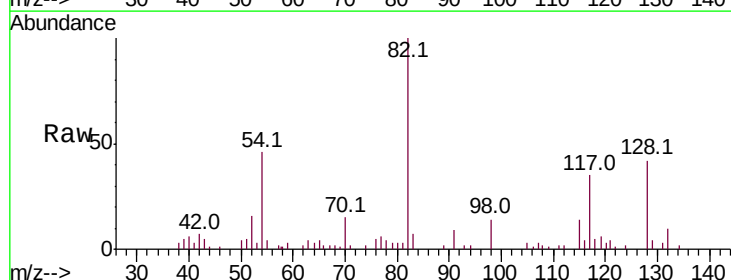
Concen: 4.492 ng

RT: 7.26 min Scan# 880

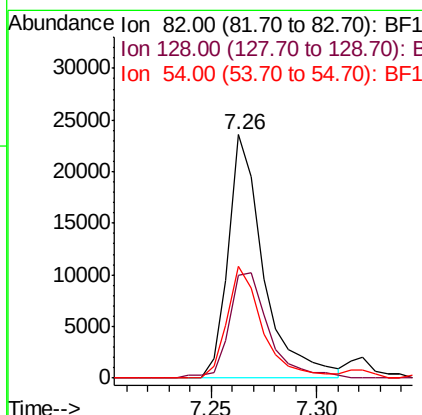
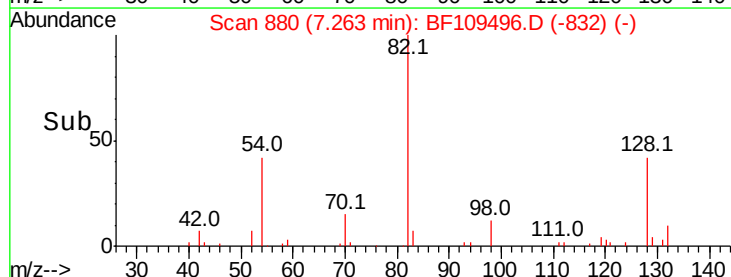
Delta R.T. -0.02 min

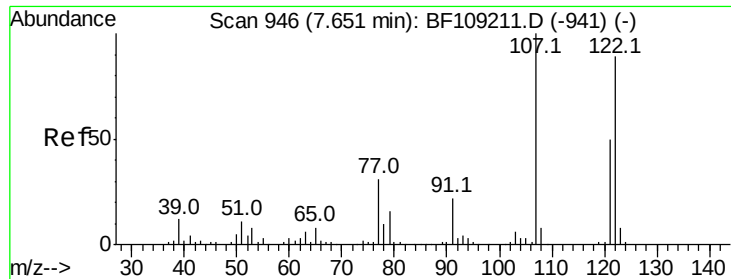
Lab File: BF109496.D

Acq: 2 Oct 2018 13:01



Tgt Ion:	82	Resp:	27303
Ion Ratio	Lower	Upper	
82	100		
128	42.2	36.1	54.1
54	45.7	41.4	62.2





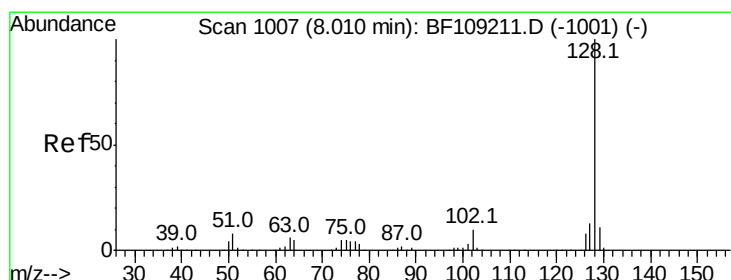
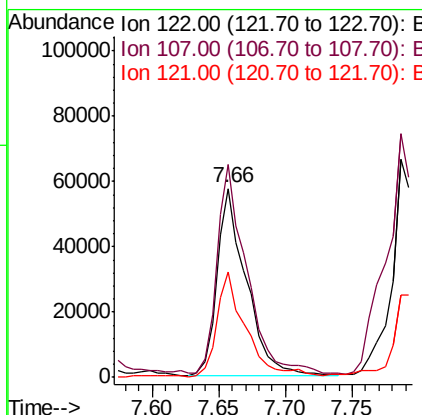
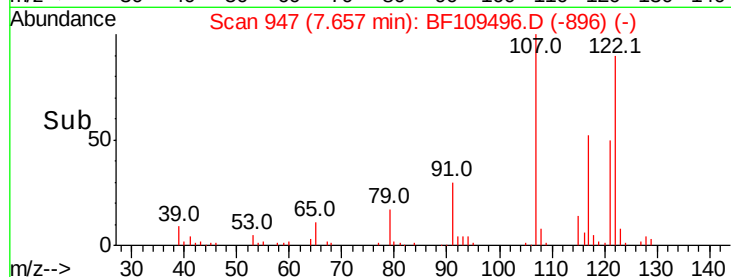
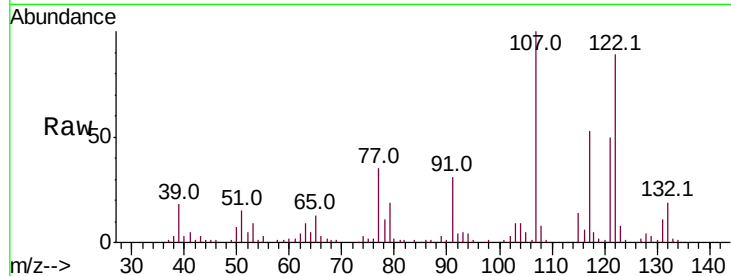
#27
2,4-Dimethylphenol
Concen: 18.491 ng
RT: 7.66 min Scan# 947
Delta R.T. -0.00 min
Lab File: BF109496.D
Acq: 2 Oct 2018 13:01

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW9-GWDL

Tot Ion	Ratio	Lower	Upper
122	100		
107	112.9	91.2	136.8
121	55.9	47.2	70.8

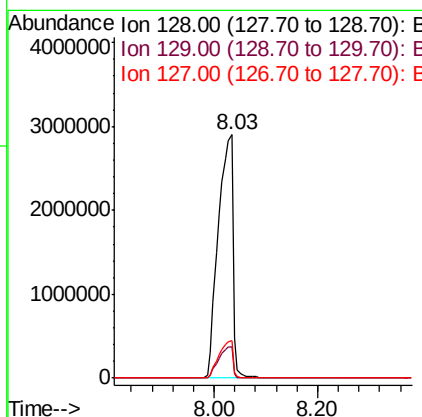
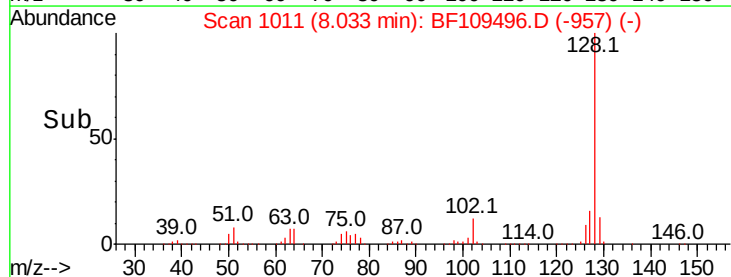
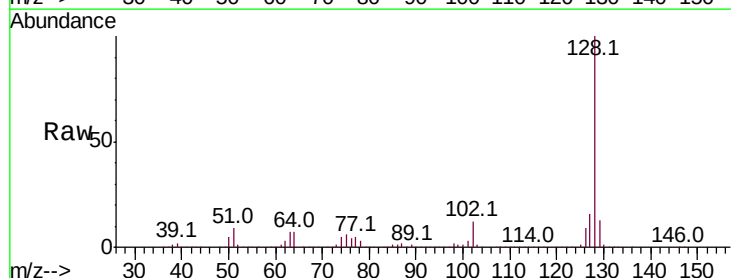
Manual Integrations
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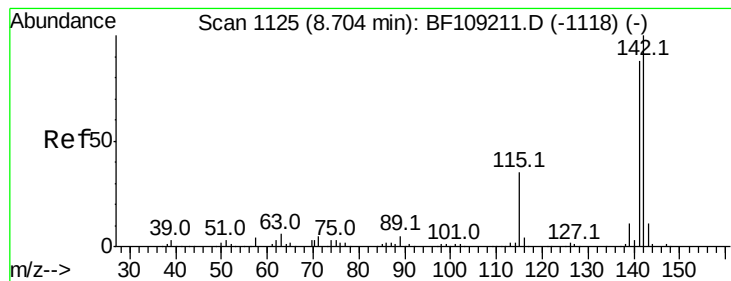
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#31
Naphthalene
Concen: 342.213 ng
RT: 8.03 min Scan# 1011
Delta R.T. 0.02 min
Lab File: BF109496.D
Acq: 2 Oct 2018 13:01

Tgt Ion	Ratio	Lower	Upper
128	100		
129	12.7	8.8	13.2
127	15.5	10.9	16.3





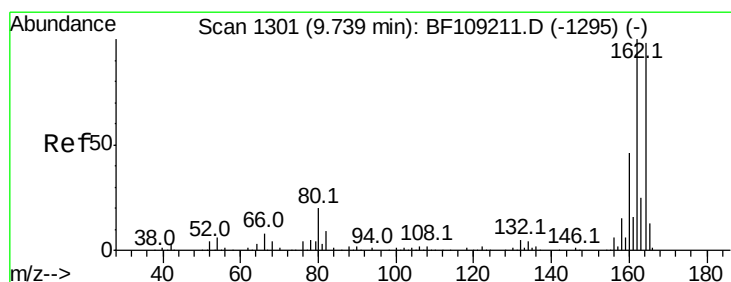
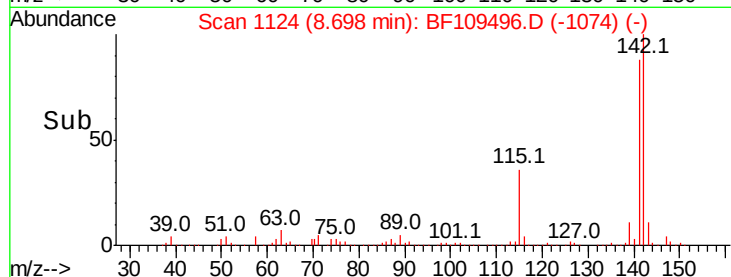
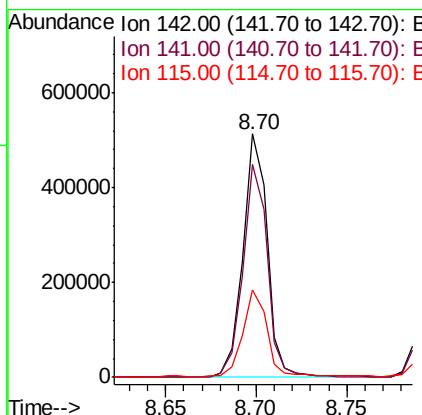
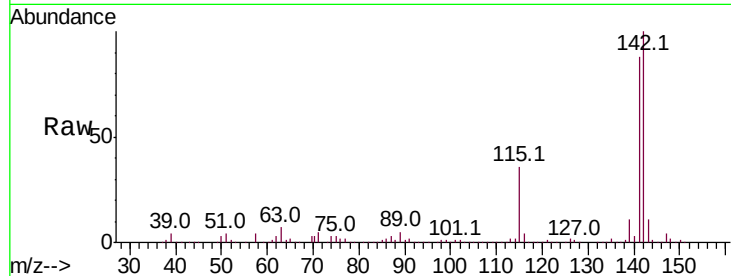
#37
2-Methylnaphthalene
Concen: 44.372 ng
RT: 8.70 min Scan# 1124
Delta R.T. -0.01 min
Lab File: BF109496.D
Acq: 2 Oct 2018 13:01

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW9-GWDL

Tot Ion	Ratio	Lower	Upper
142	100		
141	87.6	70.8	106.2
115	36.0	26.1	39.1

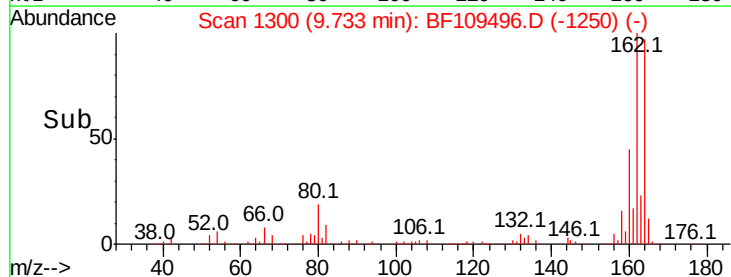
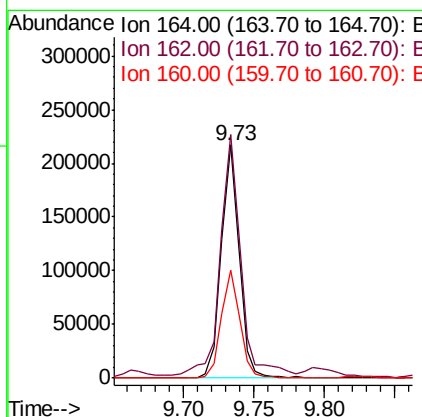
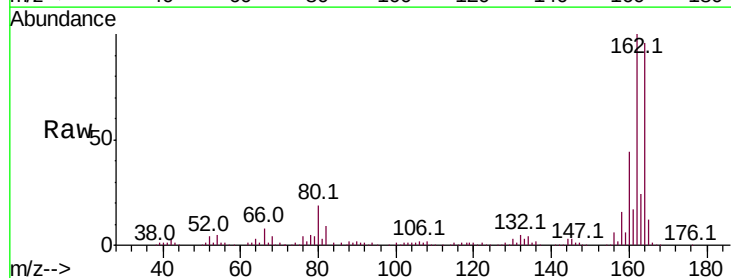
Manual Integrations
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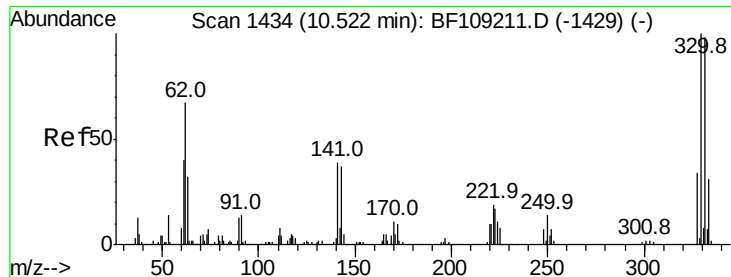
Sohil
10/3/2018 9:30:59 AM



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.01 min
Lab File: BF109496.D
Acq: 2 Oct 2018 13:01

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.4	86.1	129.1
160	46.4	38.3	57.5





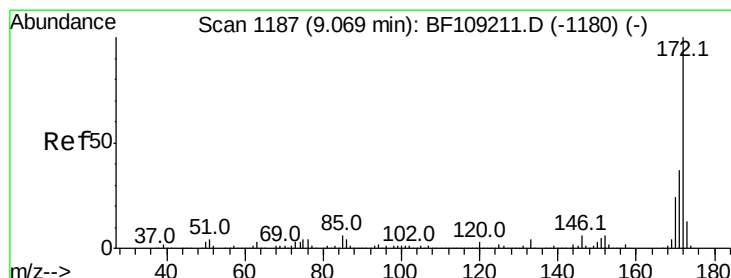
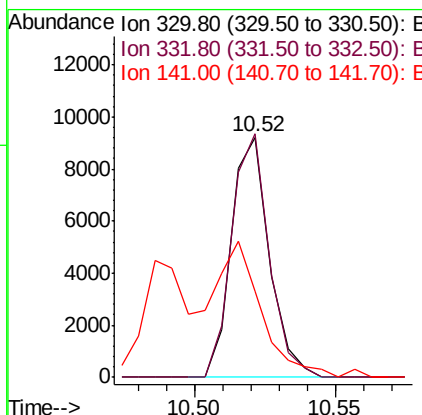
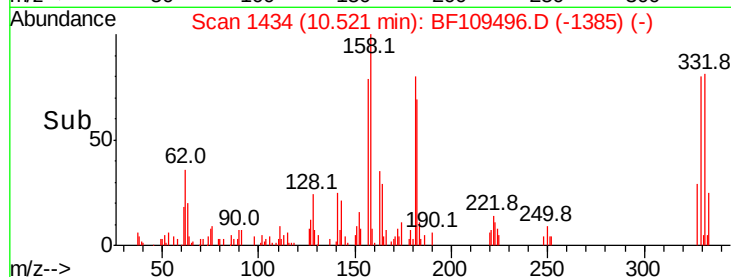
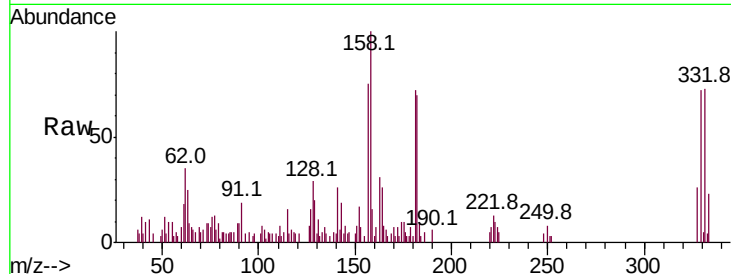
#41
 2,4,6-Tribromophenol
 Concen: 4.521 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF109496.D
 Acq: 2 Oct 2018 13:01

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW9-GWDL

Tot Ion	Ratio	Lower	Upper
330	100		
332	99.9	77.0	115.6
141	74.4	29.9	44.9

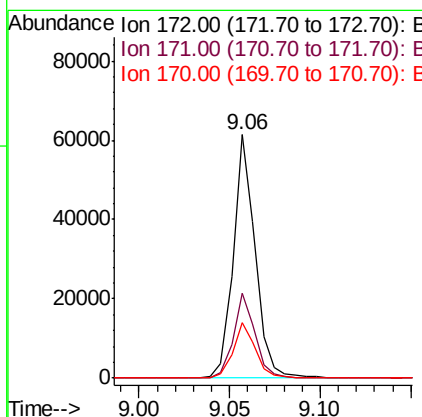
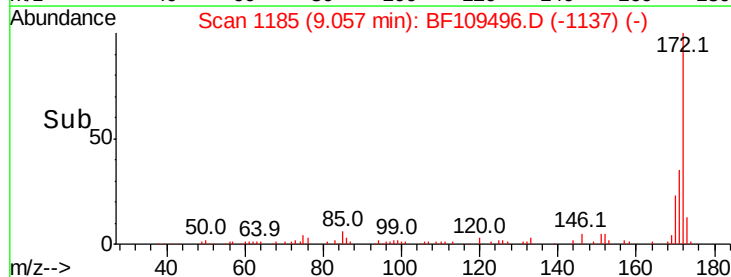
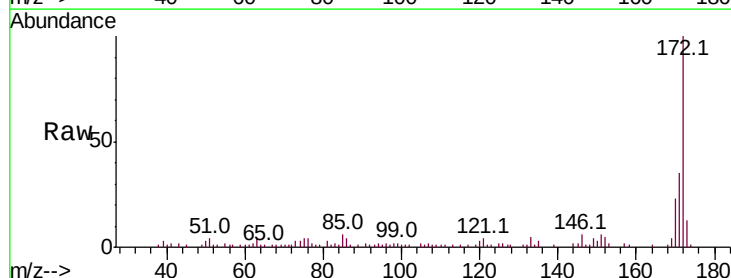
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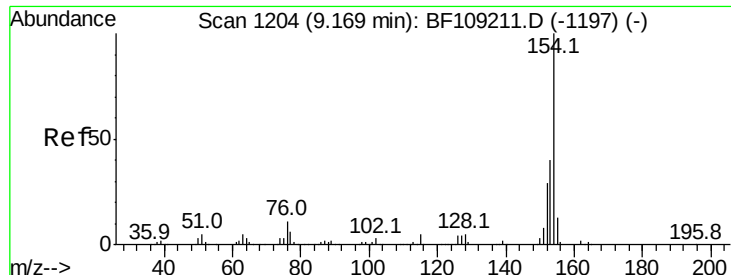
Sohil
 10/3/2018 9:30:59 AM



#44
 2-Fluorobiphenyl
 Concen: 4.036 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.02 min
 Lab File: BF109496.D
 Acq: 2 Oct 2018 13:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.7	29.7	44.5
170	23.0	19.6	29.4





#45

1,1'-Biphenyl

Concen: 4.468 ng

RT: 9.16 min Scan# 1202

Delta R.T. -0.02 min

Lab File: BF109496.D

Acq: 2 Oct 2018 13:01

Instrument :

BNA_F

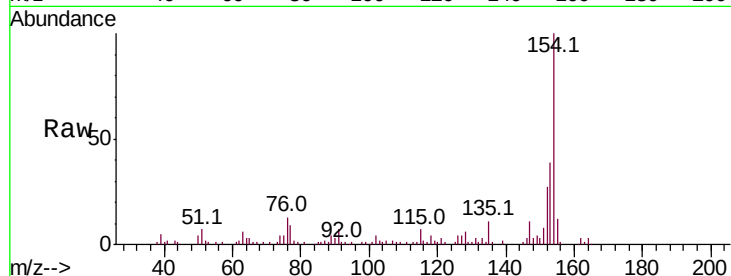
ClientSampleId :

QNWP8-MW9-GWDL

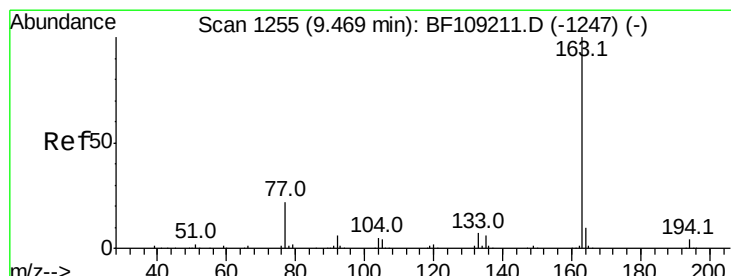
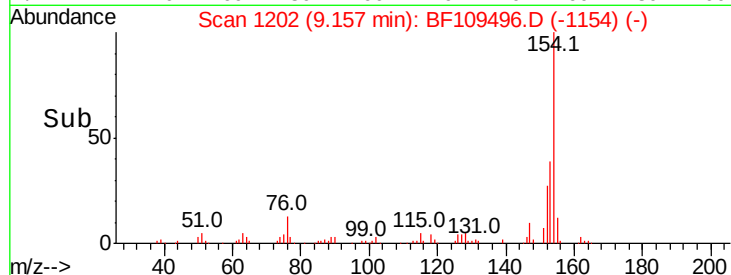
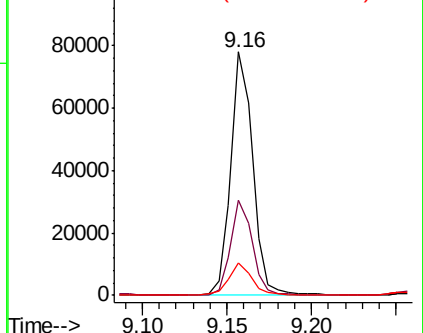
Tot Ion:	154	Resp:	70399
Ion Ratio	Lower	Upper	
154	100		
153	39.1	21.3	61.3
76	13.2	0.0	34.0

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1



#49

Dimethylphthalate

Concen: 5.355 ng

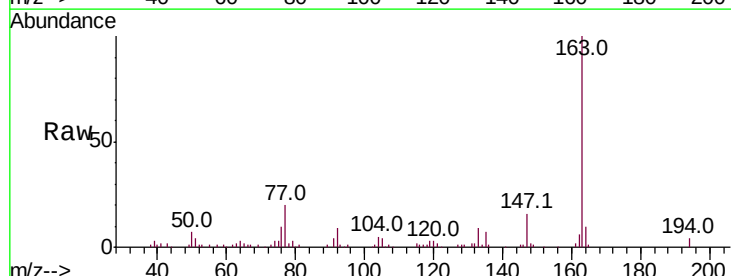
RT: 9.46 min Scan# 1253

Delta R.T. -0.02 min

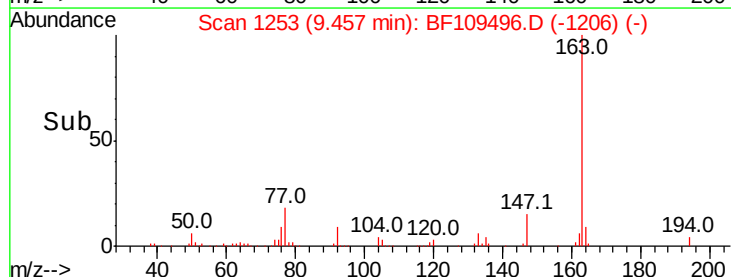
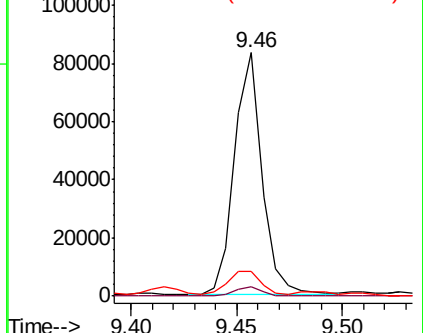
Lab File: BF109496.D

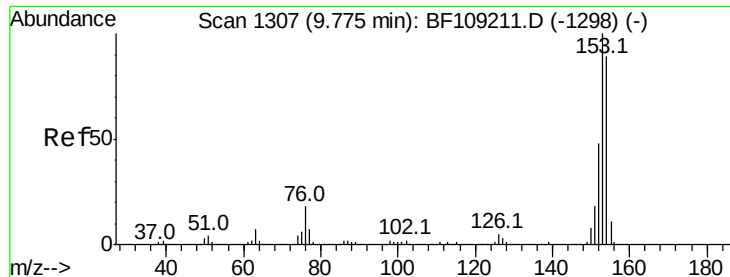
Acq: 2 Oct 2018 13:01

Tgt Ion:	163	Resp:	75327
Ion Ratio	Lower	Upper	
163	100		
194	3.9	2.7	4.1
164	10.2	8.2	12.2



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





#51

Acenaphthene

Concen: 8.553 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.02 min

Lab File: BF109496.D

Acq: 2 Oct 2018 13:01

Instrument :

BNA_F

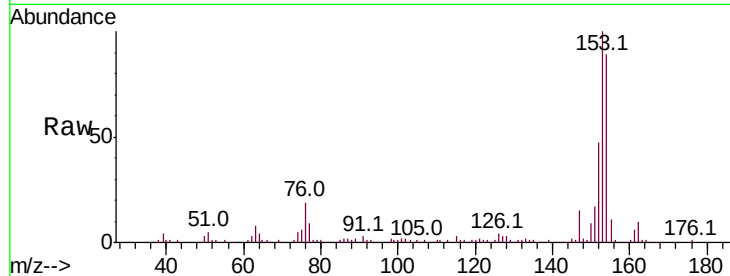
ClientSampleId :

QNWP8-MW9-GWDL

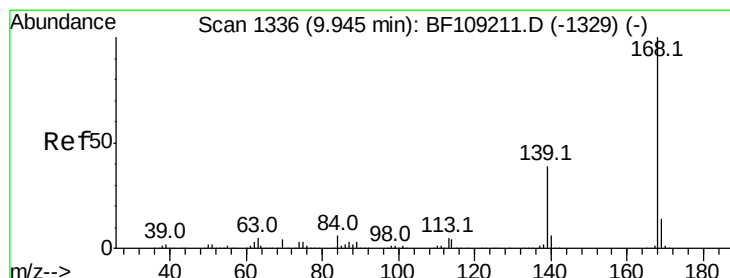
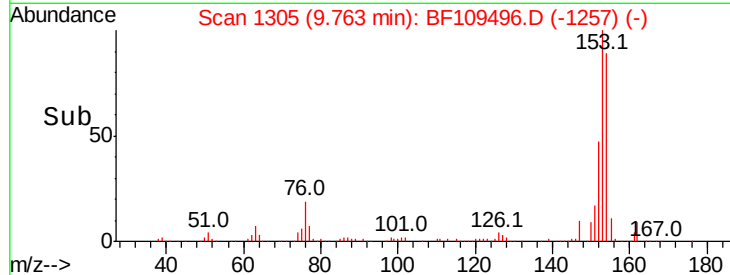
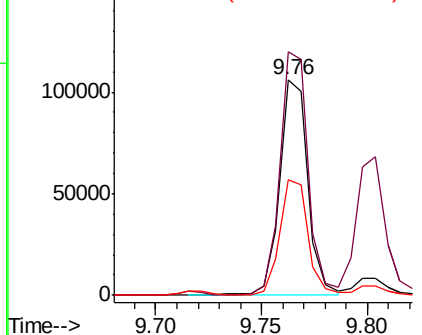
Tot Ion:	154	Resp:	98203
Ion Ratio	Lower	Upper	
154	100		
153	113.0	91.2	136.8
152	53.5	43.8	65.8

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 7.760 ng

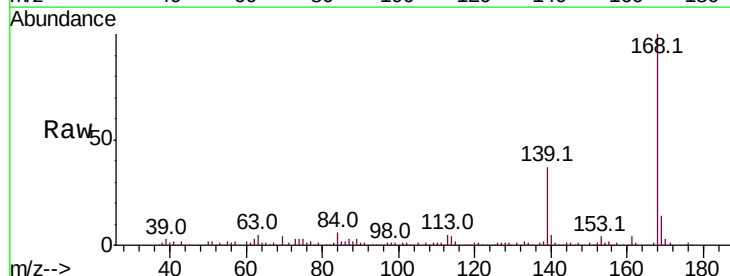
RT: 9.94 min Scan# 1335

Delta R.T. -0.01 min

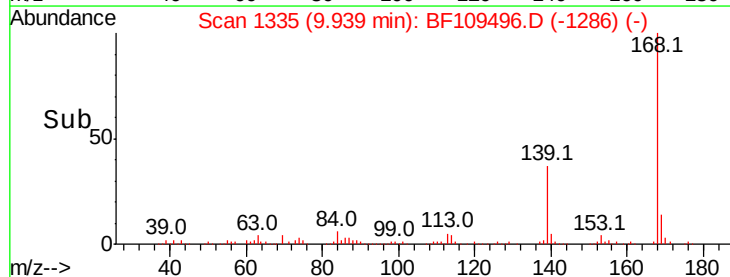
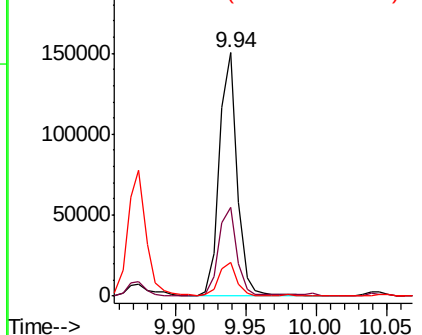
Lab File: BF109496.D

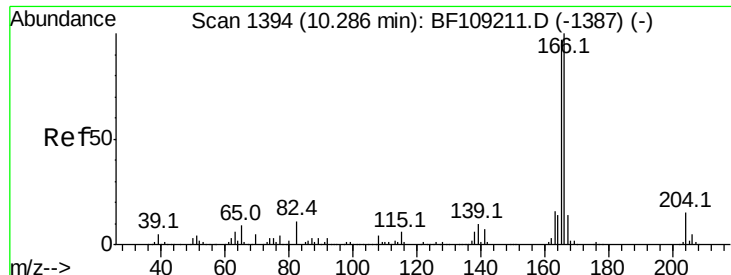
Acq: 2 Oct 2018 13:01

Tgt Ion:	168	Resp:	132497
Ion Ratio	Lower	Upper	
168	100		
139	36.5	30.1	45.1
169	13.9	10.9	16.3



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





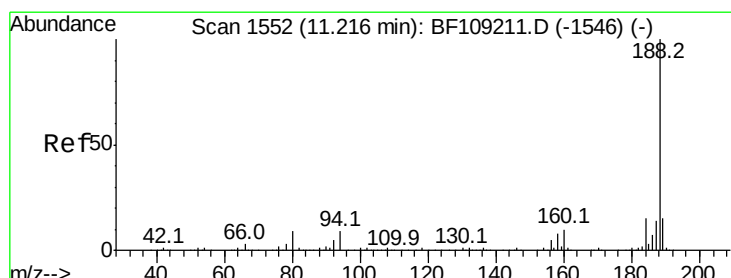
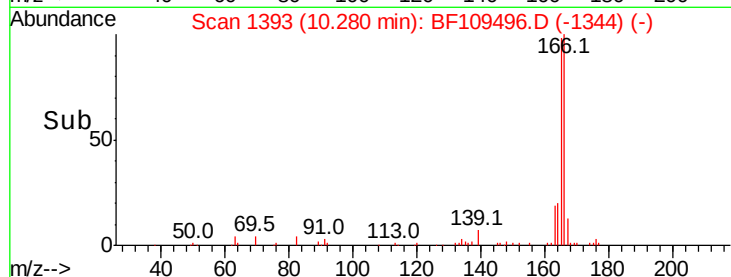
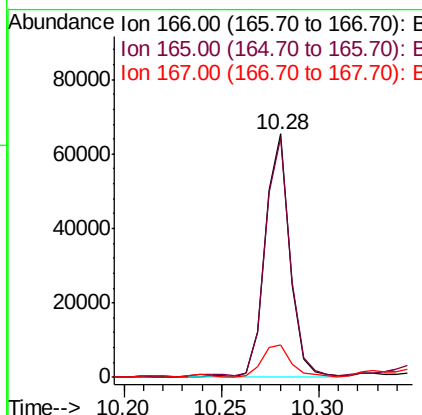
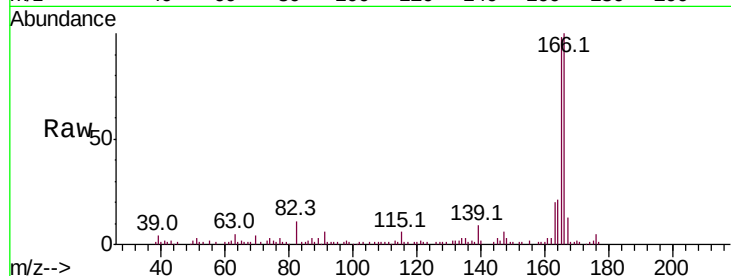
#57
Fluorene
 Concen: 4.706 ng
 RT: 10.28 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: BF109496.D
 Acq: 2 Oct 2018 13:01

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW9-GWDL

Tot Ion	Ratio	Lower	Upper
166	100		
165	98.4	79.8	119.8
167	13.4	10.6	16.0

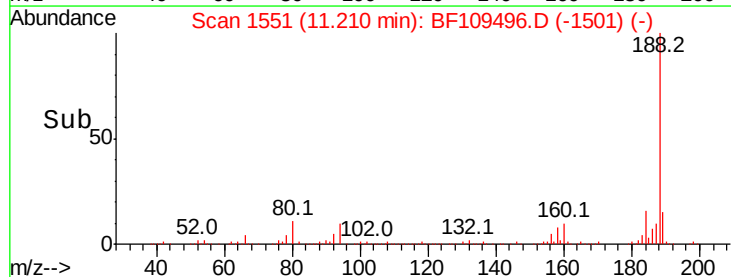
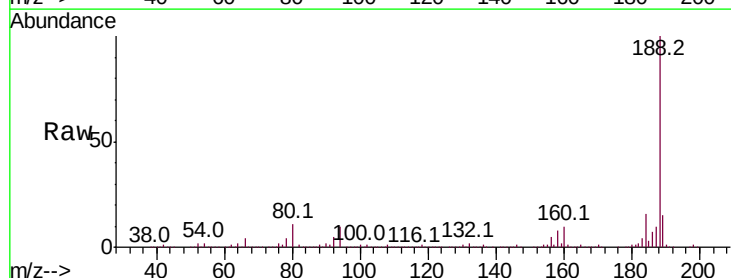
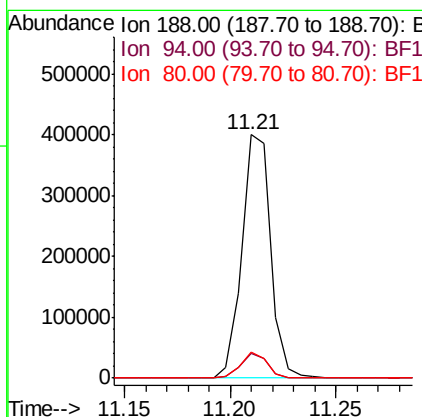
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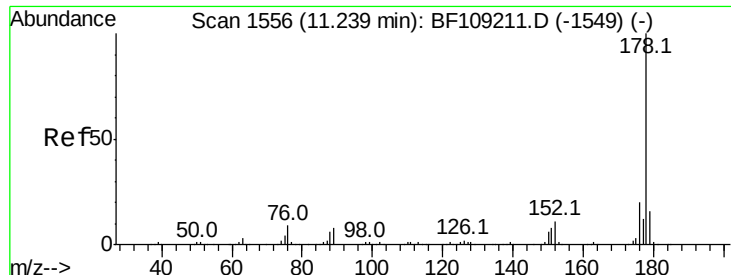
Sohil
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.21 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BF109496.D
 Acq: 2 Oct 2018 13:01

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.5	12.7
80	10.8	9.2	13.8





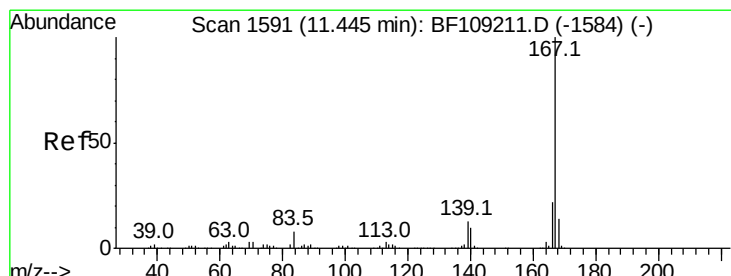
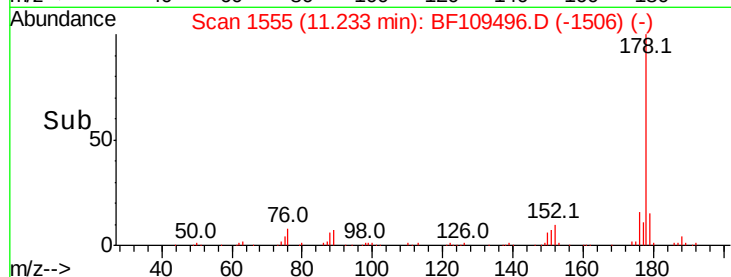
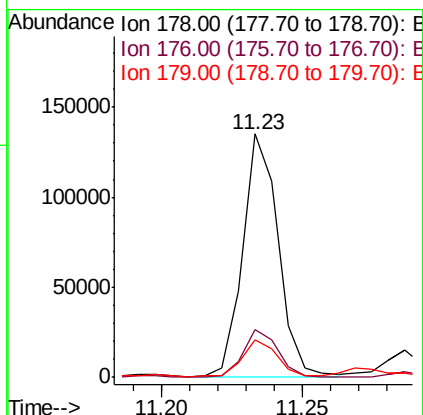
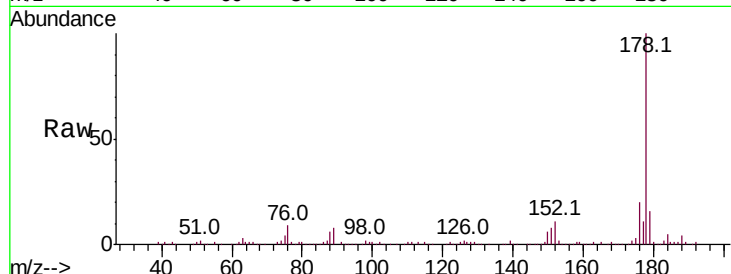
#70
Phenanthrene
Concen: 6.212 ng
RT: 11.23 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF109496.D
Acq: 2 Oct 2018 13:01

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW9-GWDL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.8
179	15.5	13.0	19.6

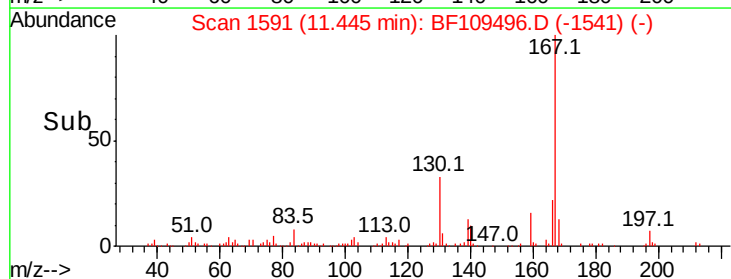
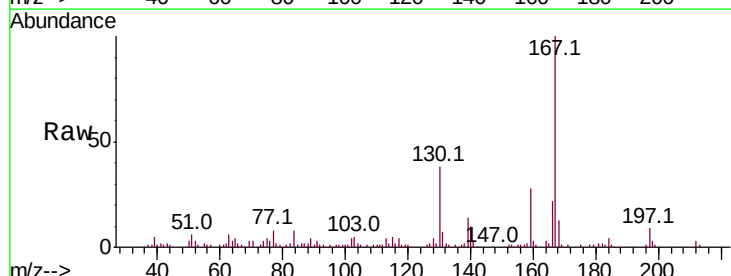
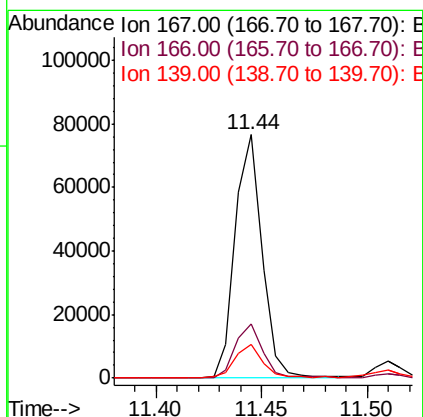
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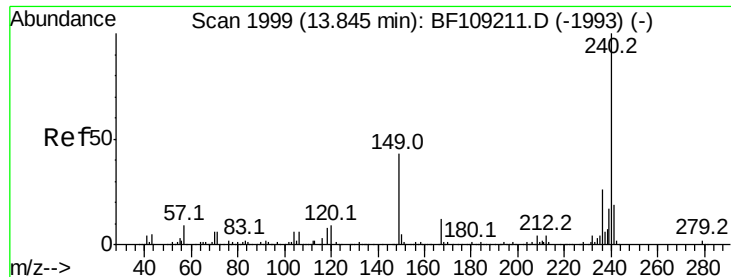
Sohil
10/3/2018 9:30:59 AM



#72
Carbazole
Concen: 3.569 ng
RT: 11.44 min Scan# 1591
Delta R.T. -0.01 min
Lab File: BF109496.D
Acq: 2 Oct 2018 13:01

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.6	26.4
139	13.8	10.9	16.3





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.84 min Scan# 1998

Delta R.T. -0.01 min

Lab File: BF109496.D

Acq: 2 Oct 2018 13:01

Instrument :

BNA_F

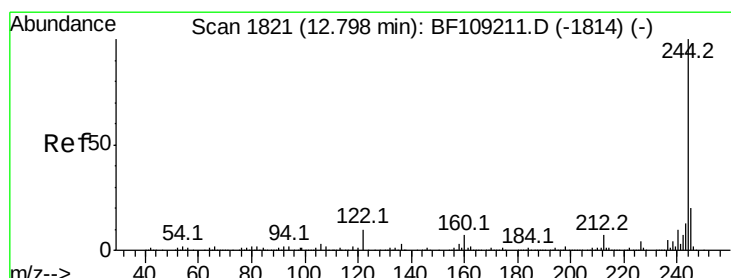
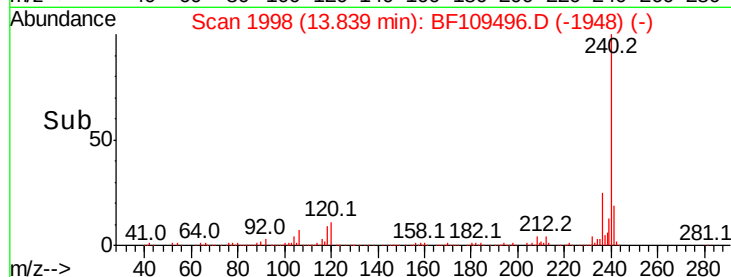
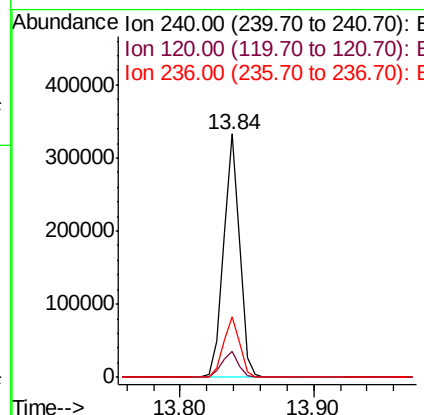
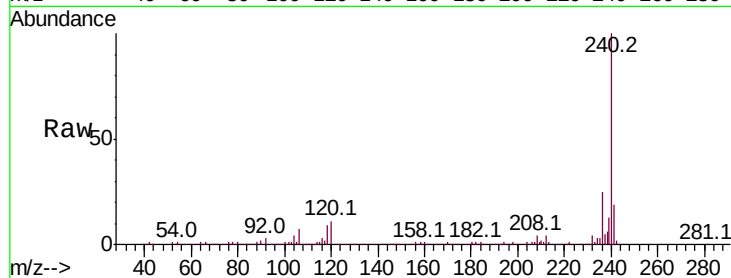
ClientSampleId :

QNWP8-MW9-GWDL

Tot Ion:	240	Resp:	282961
Ion Ratio	Lower	Upper	
240	100		
120	10.6	9.5	14.3
236	25.1	20.7	31.1

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#78

Terphenyl-d14

Concen: 2.829 ng

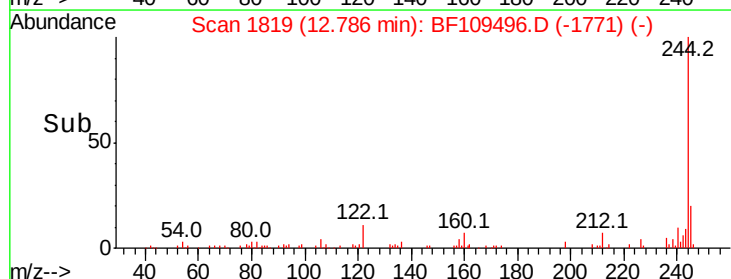
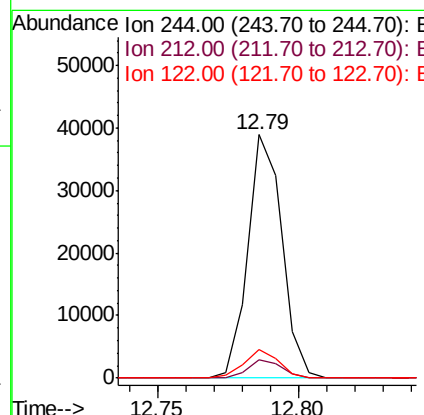
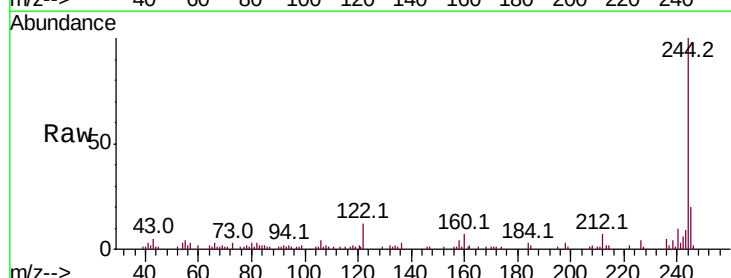
RT: 12.79 min Scan# 1819

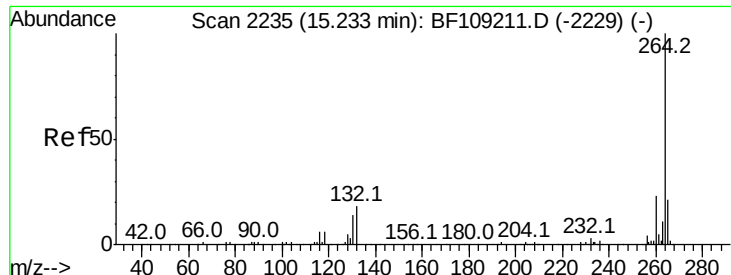
Delta R.T. -0.02 min

Lab File: BF109496.D

Acq: 2 Oct 2018 13:01

Tgt Ion:	244	Resp:	32618
Ion Ratio	Lower	Upper	
244	100		
212	7.3	5.4	8.0
122	12.0	11.0	16.4





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.24 min Scan# 2236
 Delta R.T. -0.00 min
 Lab File: BF109496.D
 Acq: 2 Oct 2018 13:01

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW9-GWDL

Tot Ion:	264	Resp:	268665
Ion Ratio	Lower	Upper	
264	100		
260	23.3	19.2	28.8
265	22.4	17.5	26.3

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