

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100118\
 Data File : BF109488.D
 Acq On : 1 Oct 2018 22:09
 Operator : JU/SJ
 Sample : J5168-01
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW27S-GW

Manual Integrations
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 10/2/2018 1:01:37 PM

Quant Time: Oct 02 10:20:11 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	96460	20.00	ng	0.00
21) Naphthalene-d8	7.99	136	353722	20.00	ng	0.00
38) Acenaphthene-d10	9.73	164	149873	20.00	ng	0.00
63) Phenanthrene-d10	11.22	188	248638	20.00	ng	0.00
75) Chrysene-d12	13.84	240	233488	20.00	ng	0.00
86) Perylene-d12	15.24	264	172086	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.32	112	130732	22.32	ng	0.00
7) Phenol-d6	6.35	99	104953	14.04	ng	0.00
23) Nitrobenzene-d5	7.26	82	279524	46.65	ng	-0.02
41) 2,4,6-Tribromophenol	10.52	330	73386	49.67	ng	-0.01
44) 2-Fluorobiphenyl	9.06	172	507475	51.07	ng	-0.01
78) Terphenyl-d14	12.79	244	400437	42.09	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.37	88	9021	3.345	ng	# 81
10) Phenol	6.36	94	23546	2.782	ng	83
27) 2,4-Dimethylphenol	7.65	122	58445	12.431	ng	96
31) Naphthalene	8.01	128	1187934	71.868	ng	99
37) 2-Methylnaphthalene	8.80	142	420829m	39.493	ng	
45) 1,1'-Biphenyl	9.16	154	59836	4.900	ng	97
48) Acenaphthylene	9.59	152	41067	2.791	ng	# 91
49) Dimethylphthalate	9.46	163	231920	21.276	ng	100
51) Acenaphthene	9.77	154	186932	21.009	ng	99
54) Dibenzofuran	9.94	168	179456	13.562	ng	98
57) Fluorene	10.28	166	121800	12.901	ng	98
70) Phenanthrene	11.24	178	168226	13.551	ng	98
71) Anthracene	11.29	178	32633	2.592	ng	98
72) Carbazole	11.45	167	221540	17.684	ng	99

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

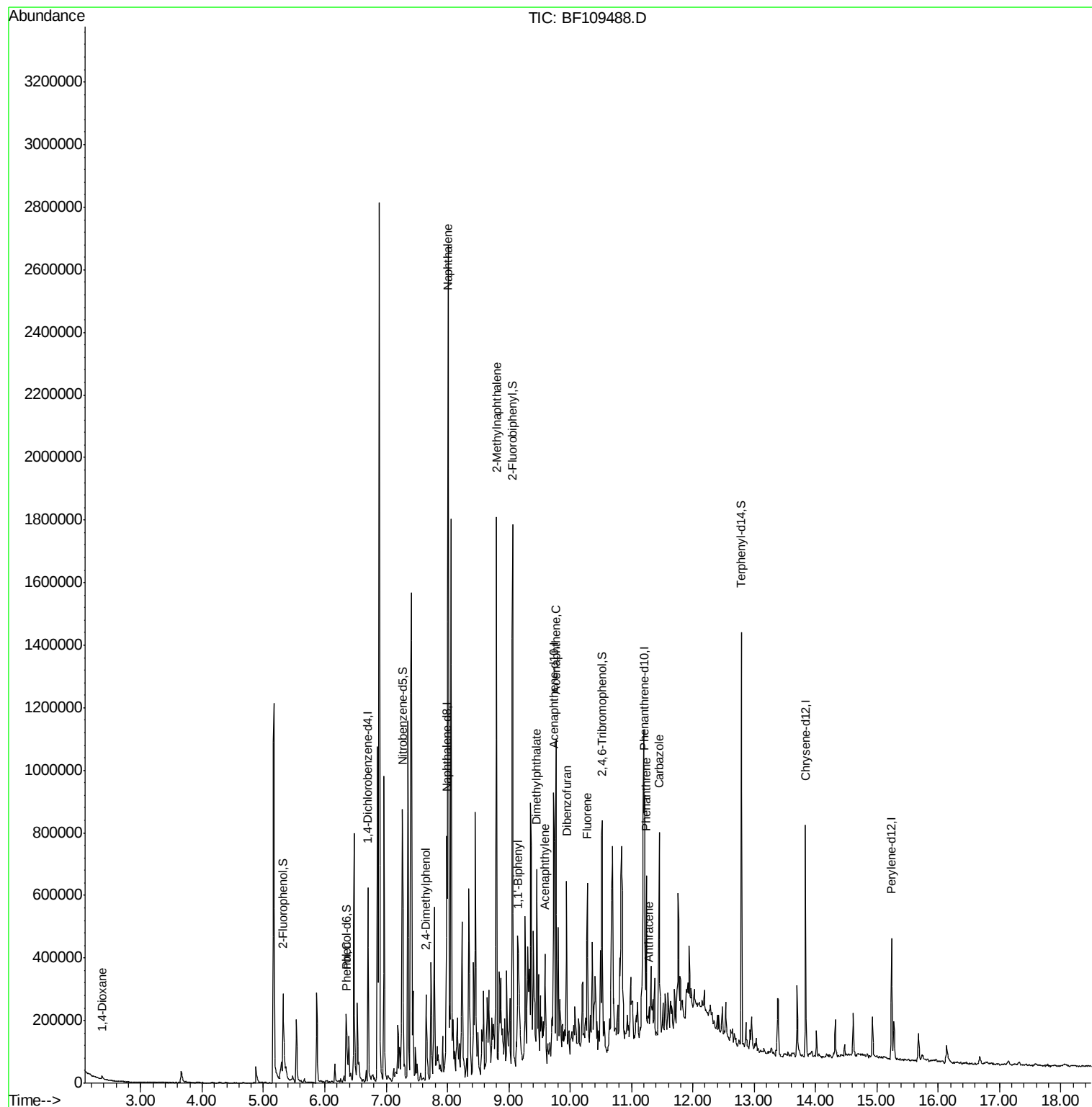
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100118\
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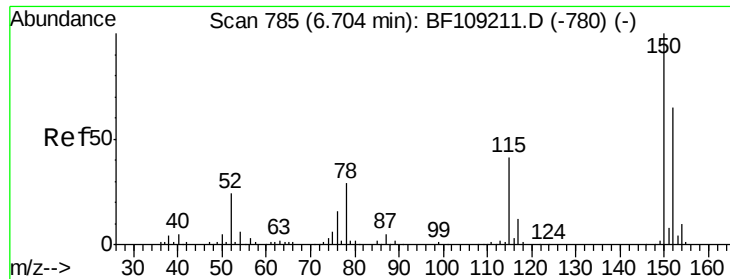
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF092218.M
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#1

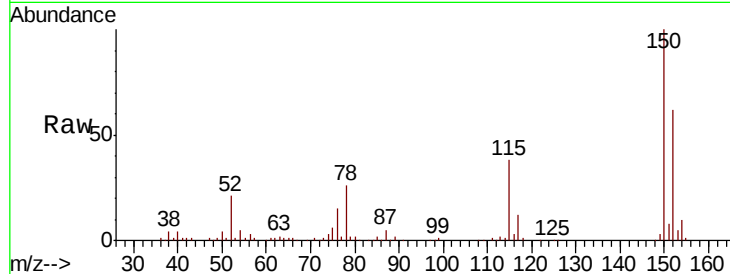
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.70 min Scan# 785
Delta R.T. -0.01 min
Lab File: BF109488.D
Acq: 1 Oct 2018 22:09

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW27S-GW

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.6	124.6	186.8
115	61.4	50.1	75.1

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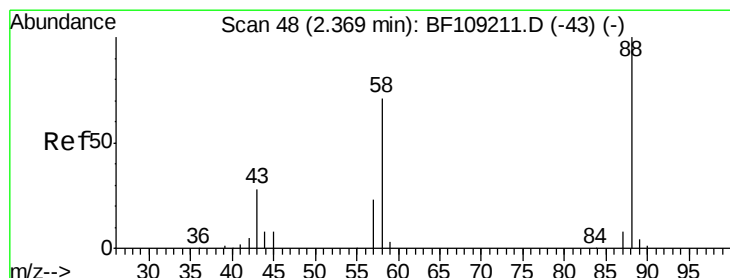
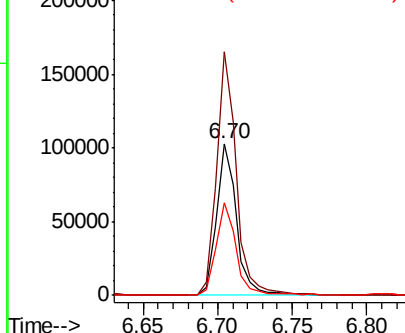
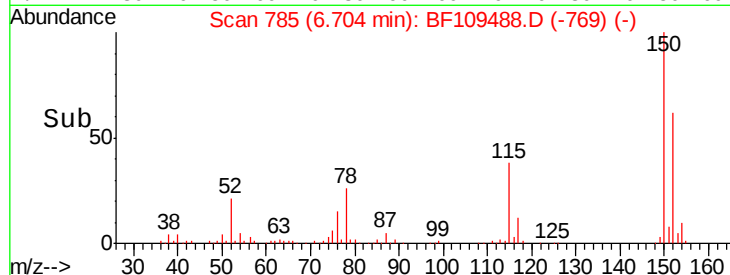


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

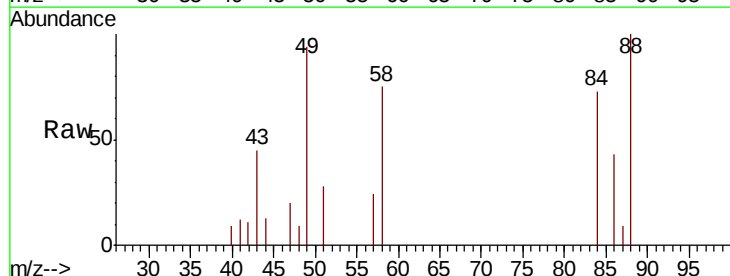
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 3.345 ng
RT: 2.37 min Scan# 48
Delta R.T. 0.00 min
Lab File: BF109488.D
Acq: 1 Oct 2018 22:09

Tgt Ion	Ratio	Lower	Upper
88	100		
58	60.3	62.6	93.8#
43	23.2	24.6	37.0#

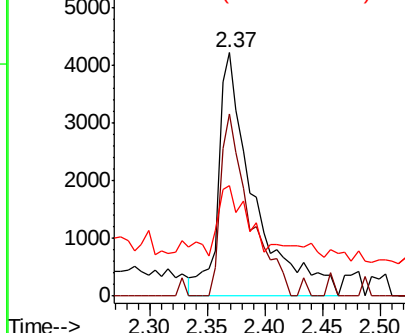
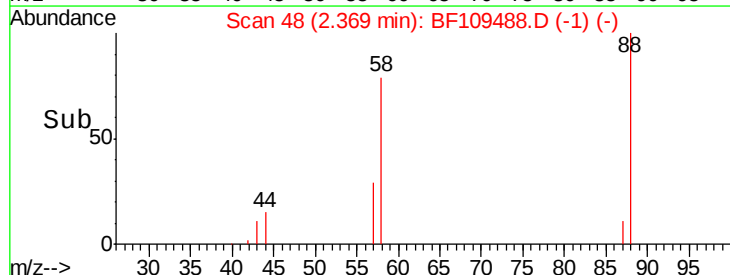


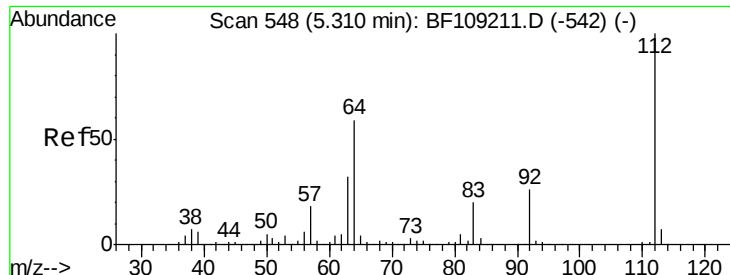
Abundance

Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#5

2-Fluorophenol

Concen: 22.323 ng

RT: 5.32 min Scan# 550

Delta R.T. 0.01 min

Lab File: BF109488.D

Acq: 1 Oct 2018 22:09

Instrument :

BNA_F

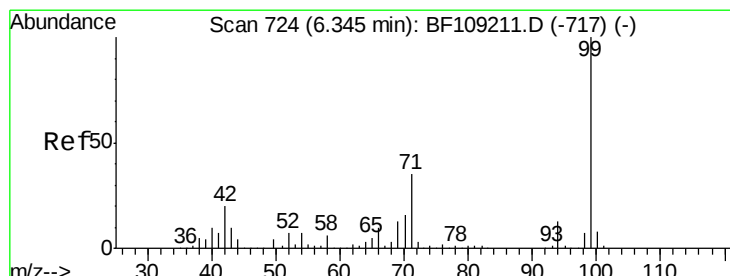
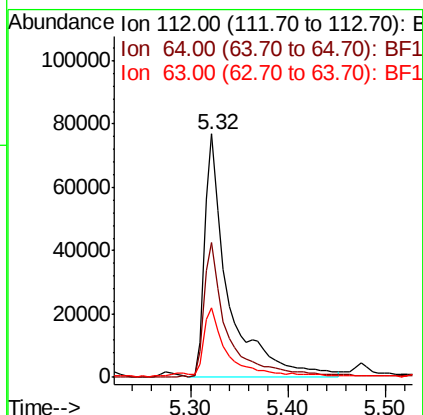
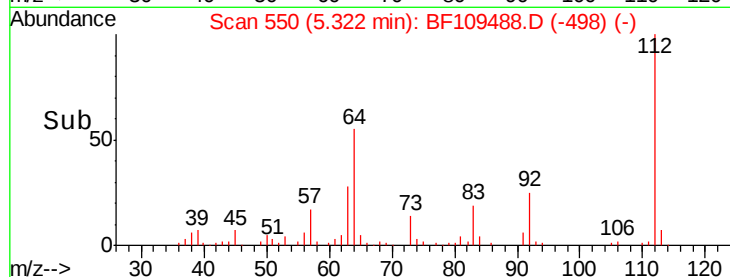
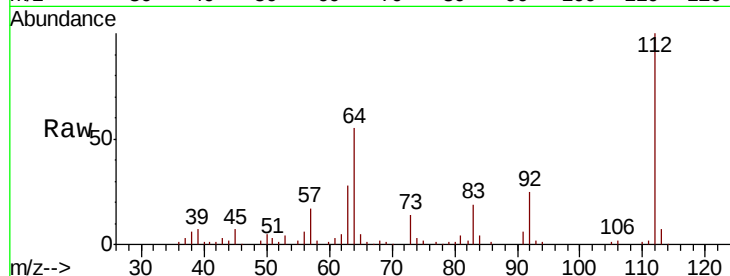
ClientSampleId :

QNWP8-MW27S-GW

Tot Ion:	112	Resp:	130732
Ion Ratio	Lower	Upper	
112	100		
64	55.3	47.9	71.9
63	28.4	23.7	35.5

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#7

Phenol-d6

Concen: 14.044 ng

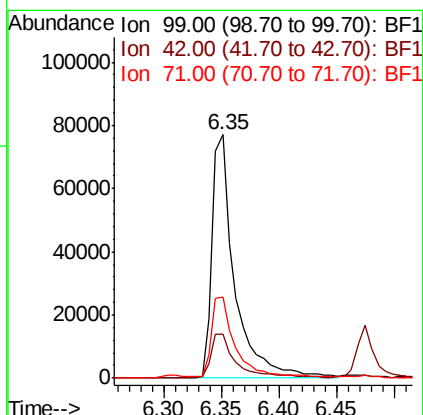
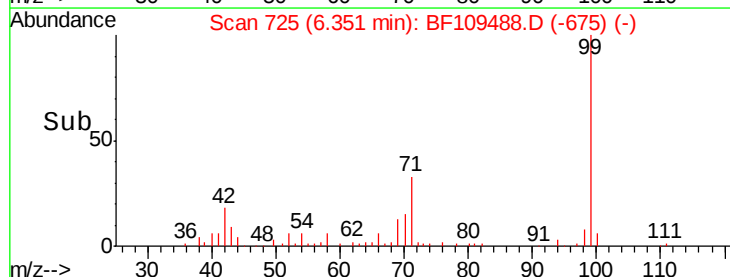
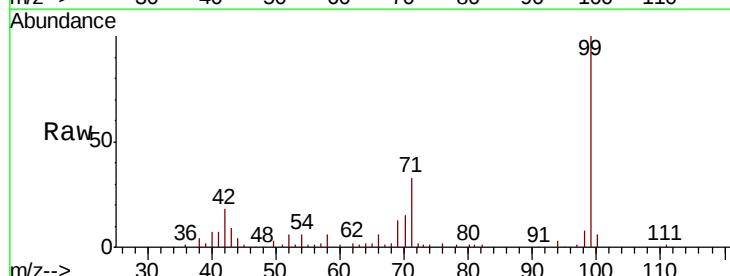
RT: 6.35 min Scan# 725

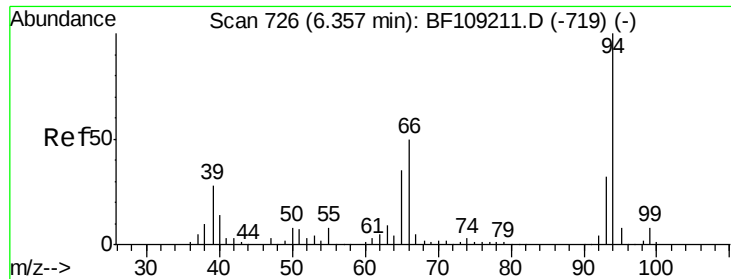
Delta R.T. -0.01 min

Lab File: BF109488.D

Acq: 1 Oct 2018 22:09

Tgt Ion:	99	Resp:	104953
Ion Ratio	Lower	Upper	
99	100		
42	18.1	14.5	21.7
71	33.3	25.4	38.0





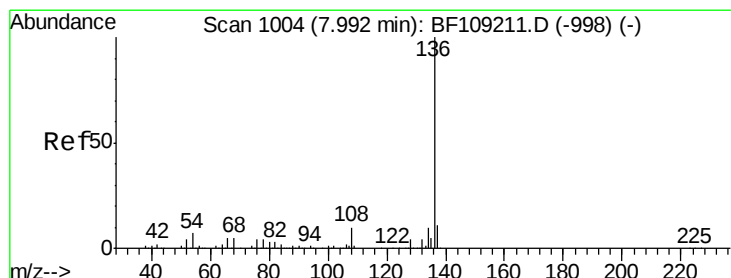
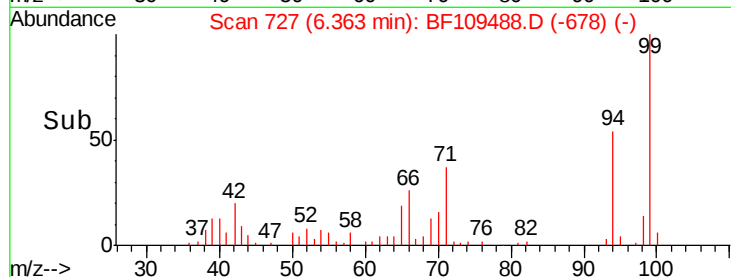
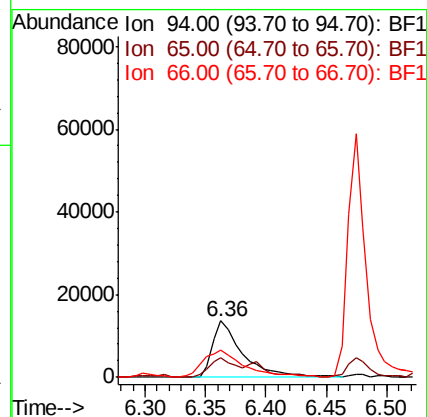
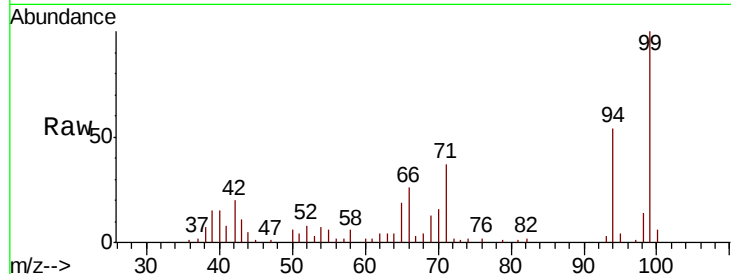
#10
Phenol
Concen: 2.782 ng
RT: 6.36 min Scan# 727
Delta R.T. -0.01 min
Lab File: BF109488.D
Acq: 1 Oct 2018 22:09

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW27S-GW

Tot Ion	Ratio	Lower	Upper
94	100		
65	34.9	7.9	47.9
66	47.8	16.2	56.2

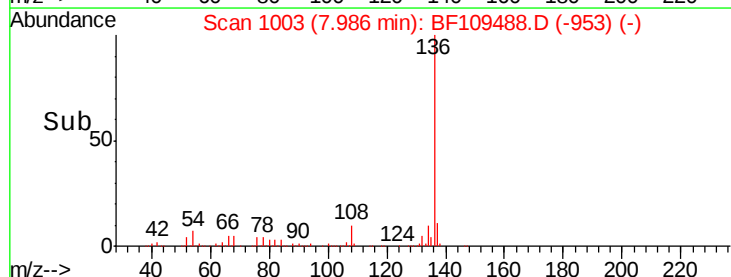
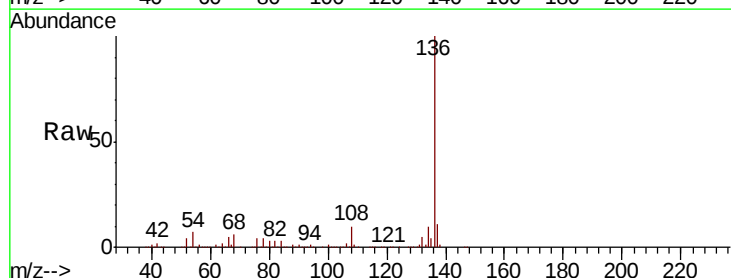
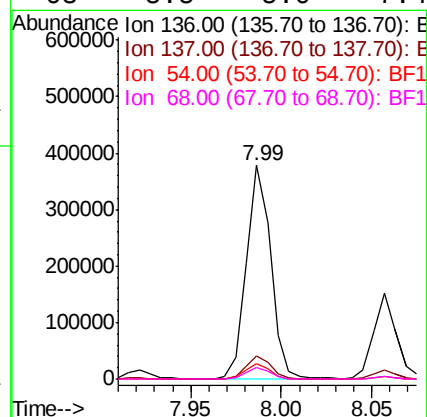
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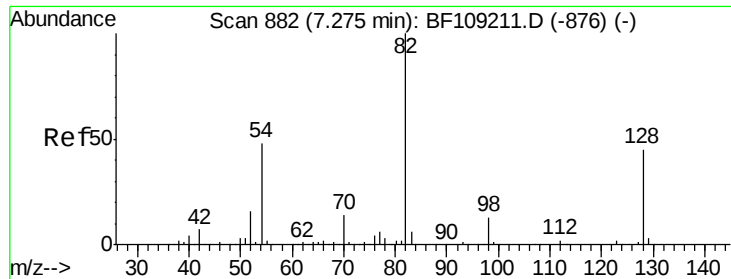
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.99 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF109488.D
Acq: 1 Oct 2018 22:09

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.1	6.6	9.8
68	5.5	5.0	7.4





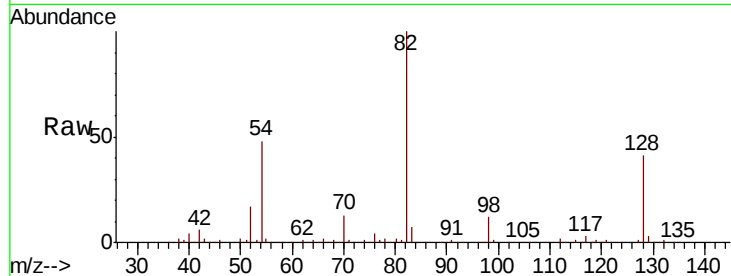
#23
 Nitrobenzene-d5
 Concen: 46.649 ng
 RT: 7.26 min Scan# 880
 Delta R.T. -0.02 min
 Lab File: BF109488.D
 Acq: 1 Oct 2018 22:09

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW27S-GW

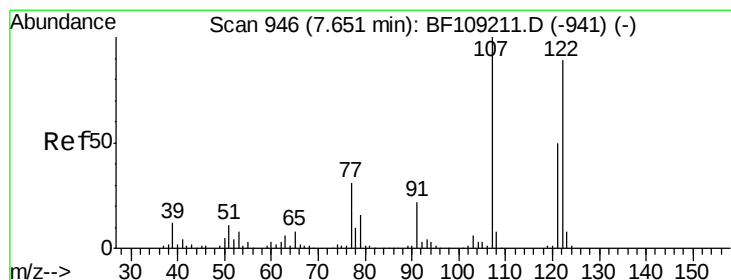
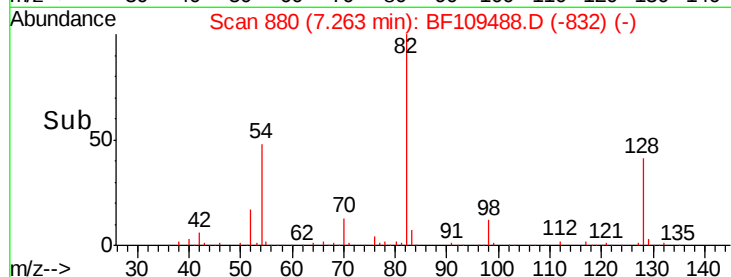
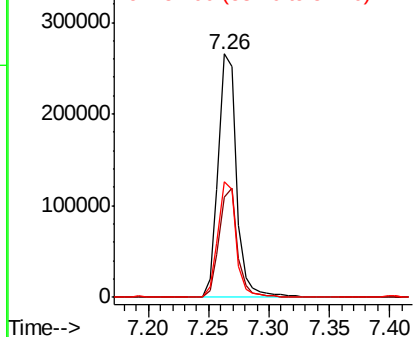
Tot Ion	Ratio	Resp	Lower	Upper
82	100	279524		
128	41.0		36.1	54.1
54	47.7		41.4	62.2

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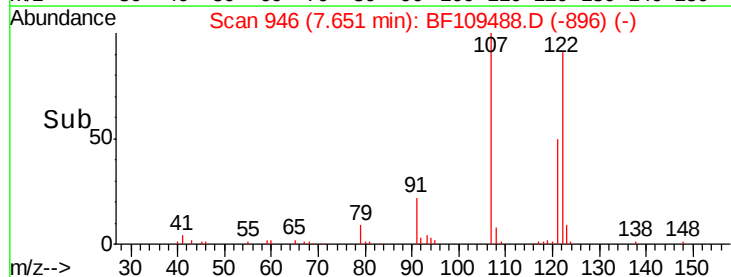
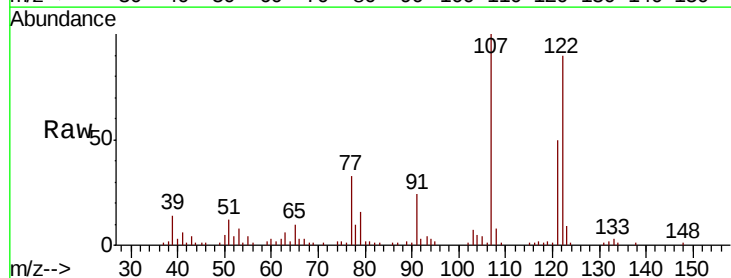
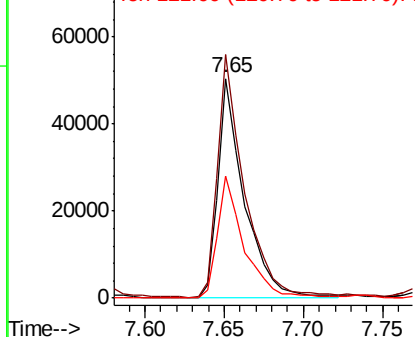
Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

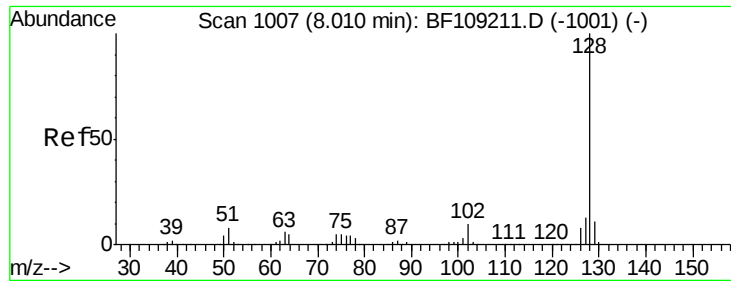


#27
 2,4-Dimethylphenol
 Concen: 12.431 ng
 RT: 7.65 min Scan# 946
 Delta R.T. -0.01 min
 Lab File: BF109488.D
 Acq: 1 Oct 2018 22:09

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	58445		
107	110.7		91.2	136.8
121	55.4		47.2	70.8

Abundance Ion 122.00 (121.70 to 122.70): E
 Ion 107.00 (106.70 to 107.70): E
 Ion 121.00 (120.70 to 121.70): E





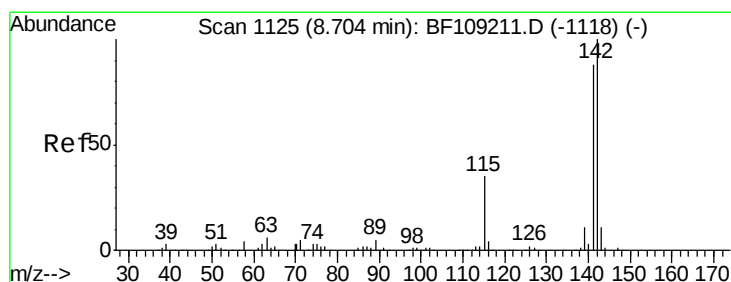
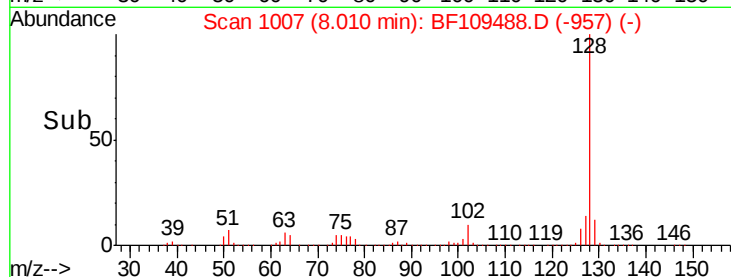
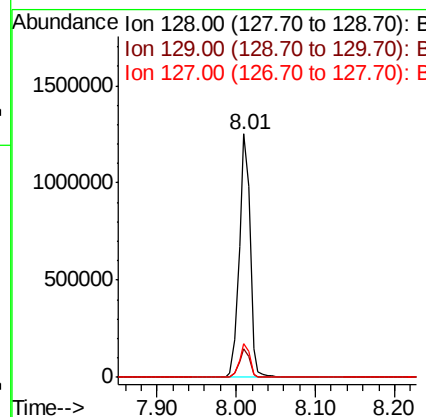
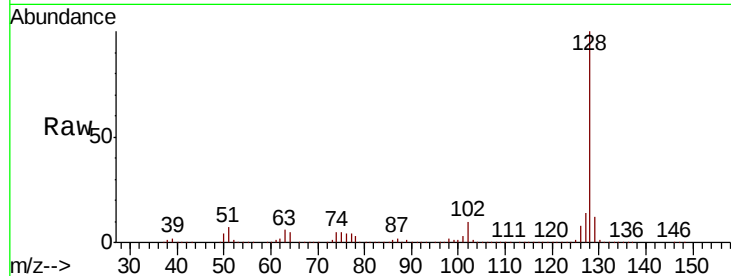
#31
Naphthalene
Concen: 71.868 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF109488.D
Acq: 1 Oct 2018 22:09

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW27S-GW

Tot Ion	Ratio	Lower	Upper
128	100		
129	11.6	8.8	13.2
127	13.7	10.9	16.3

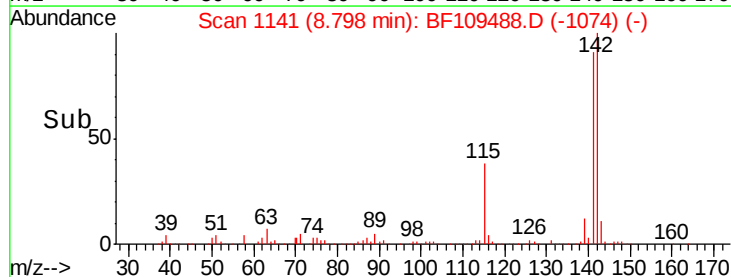
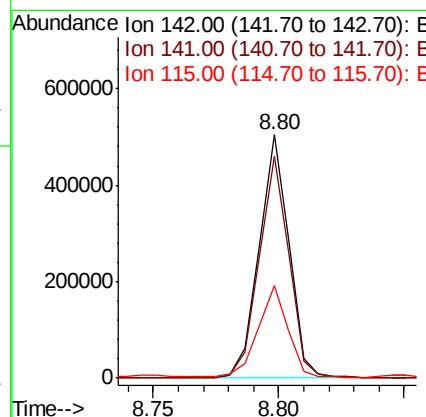
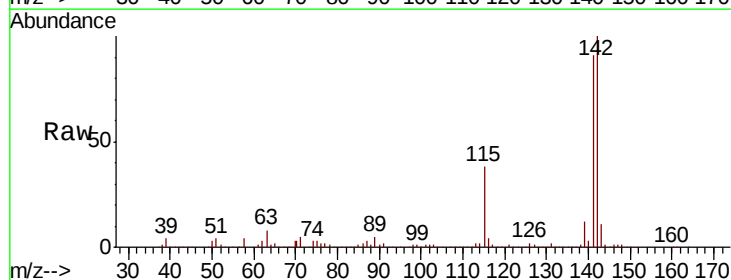
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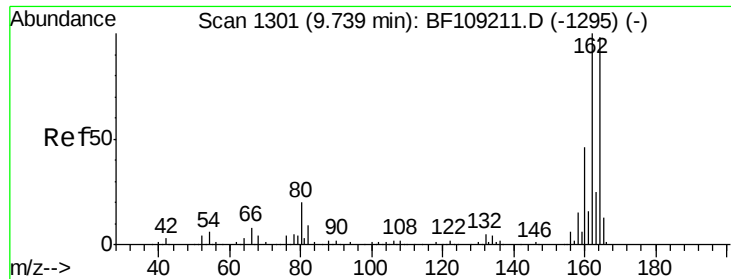
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#37
2-Methylnaphthalene
Concen: 39.493 ng m
RT: 8.80 min Scan# 1141
Delta R.T. 0.09 min
Lab File: BF109488.D
Acq: 1 Oct 2018 22:09

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.0	70.8	106.2
115	38.1	26.1	39.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF109488.D

Acq: 1 Oct 2018 22:09

Instrument :

BNA_F

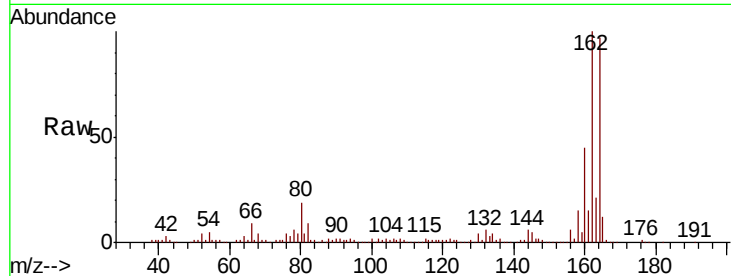
ClientSampleId :

QNWP8-MW27S-GW

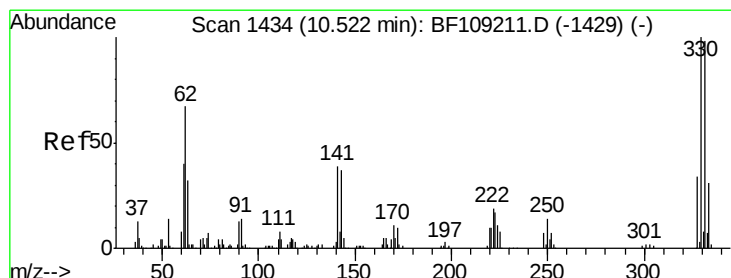
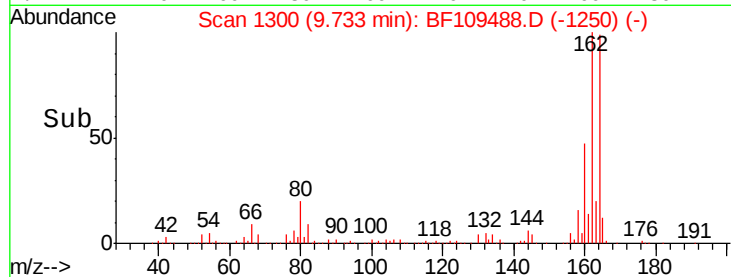
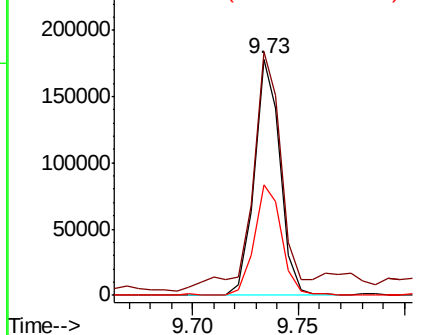
Tot Ion:	164	Resp:	149873
Ion Ratio	Lower	Upper	
164	100		
162	103.2	86.1	129.1
160	46.8	38.3	57.5

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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: 49.671 ng

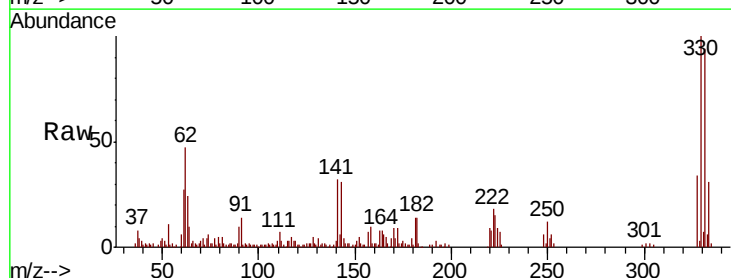
RT: 10.52 min Scan# 1434

Delta R.T. -0.01 min

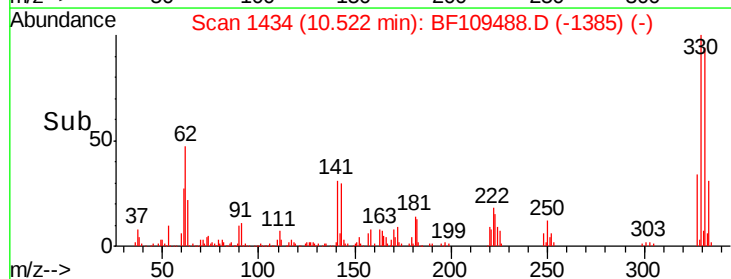
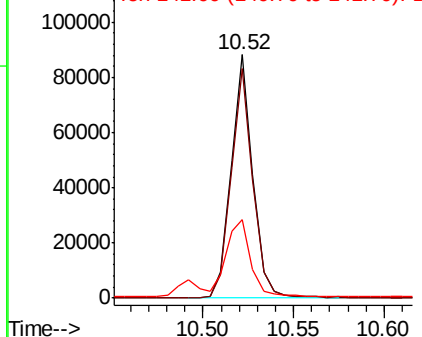
Lab File: BF109488.D

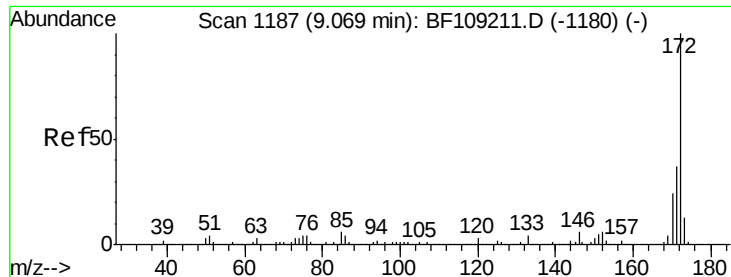
Acq: 1 Oct 2018 22:09

Tgt Ion:	330	Resp:	73386
Ion Ratio	Lower	Upper	
330	100		
332	94.9	77.0	115.6
141	35.3	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: 51.068 ng

RT: 9.06 min Scan# 1186

Delta R.T. -0.01 min

Lab File: BF109488.D

Acq: 1 Oct 2018 22:09

Instrument :

BNA_F

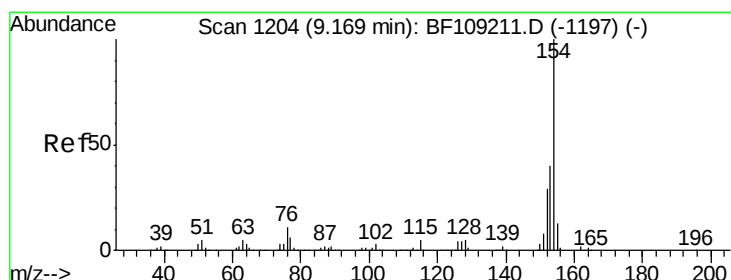
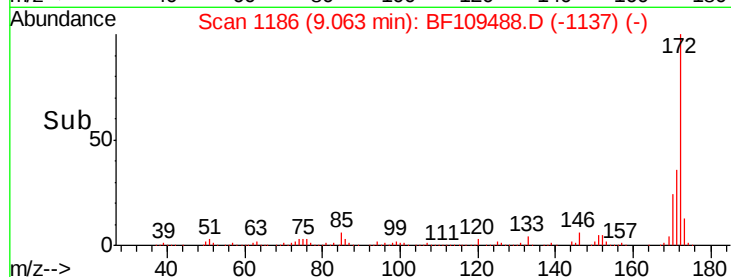
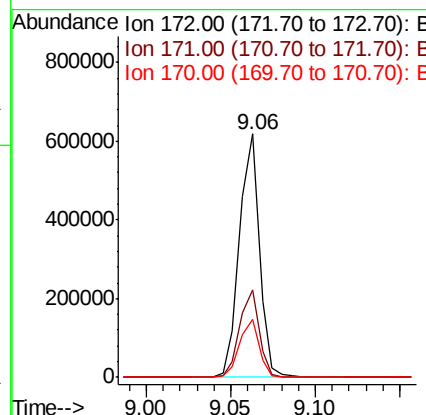
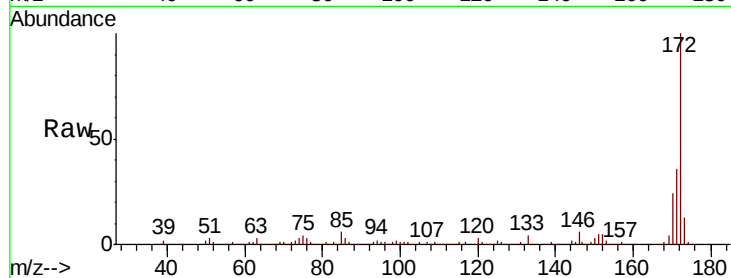
ClientSampleId :

QNWP8-MW27S-GW

Tot Ion:172	Resp:	507475
Ion Ratio	Lower	Upper
172	100	
171	35.7	29.7 44.5
170	23.8	19.6 29.4

Manual Integrations
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#45

1,1'-Biphenyl

Concen: 4.900 ng

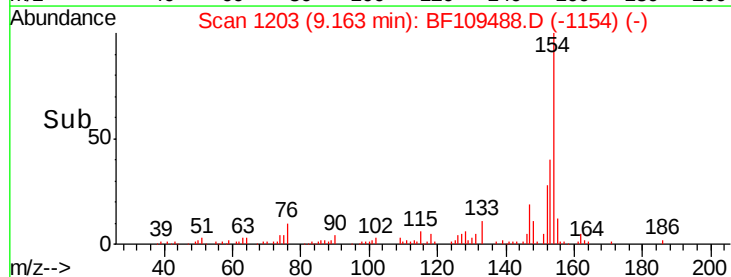
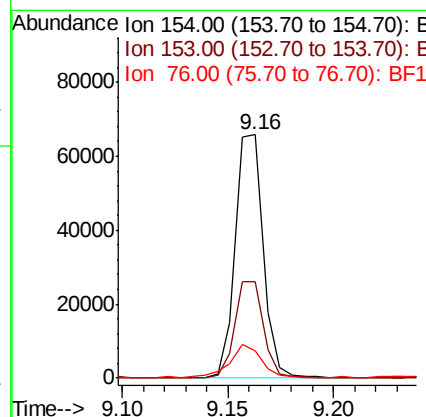
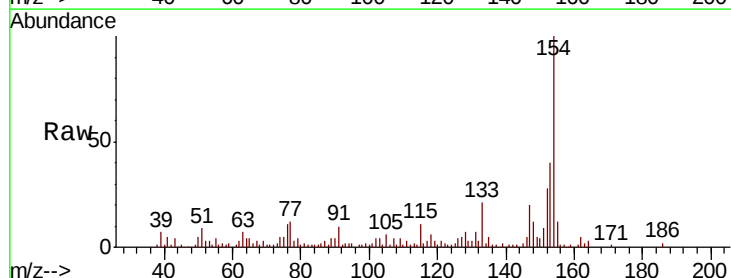
RT: 9.16 min Scan# 1203

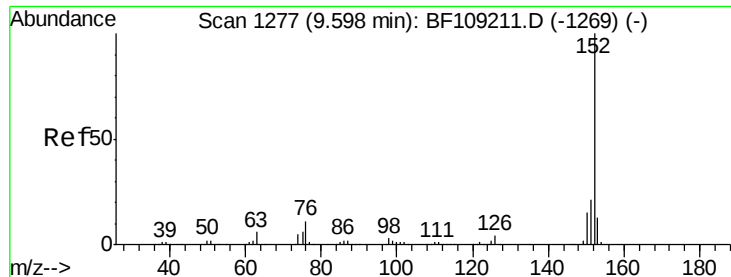
Delta R.T. -0.01 min

Lab File: BF109488.D

Acq: 1 Oct 2018 22:09

Tgt Ion:154	Resp:	59836
Ion Ratio	Lower	Upper
154	100	
153	39.9	21.3 61.3
76	11.2	0.0 34.0





#48

Acenaphthylene

Concen: 2.791 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF109488.D

Acq: 1 Oct 2018 22:09

Instrument :

BNA_F

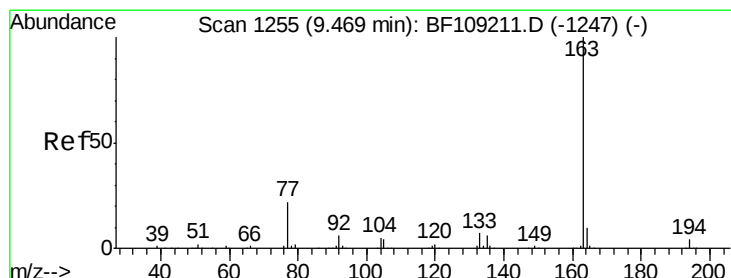
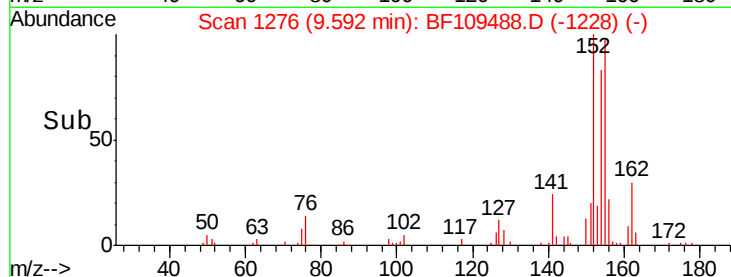
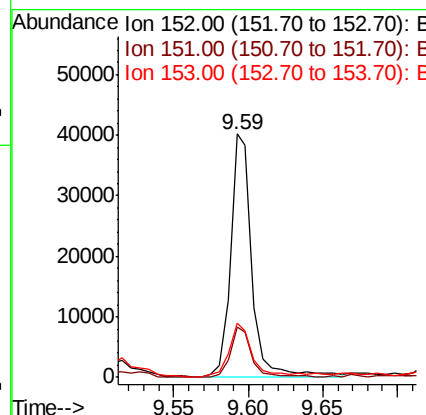
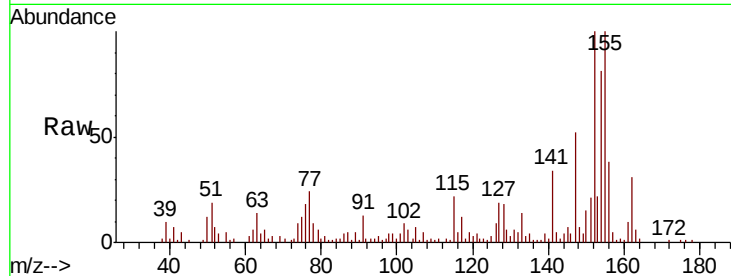
ClientSampleId :

QNWP8-MW27S-GW

Tot Ion:	152	Resp:	41067
Ion Ratio	Lower	Upper	
152	100		
151	20.8	16.3	24.5
153	22.2	10.7	16.1#

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#49

Dimethylphthalate

Concen: 21.276 ng

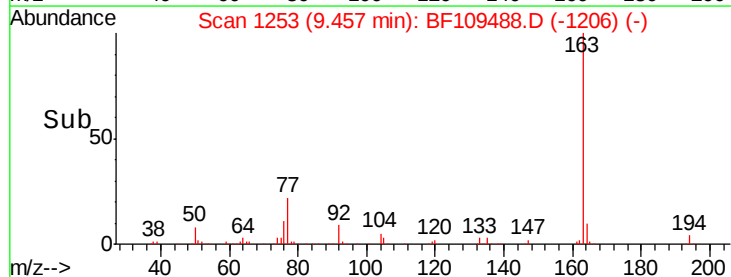
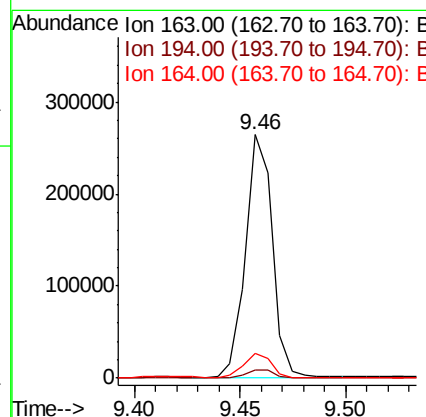
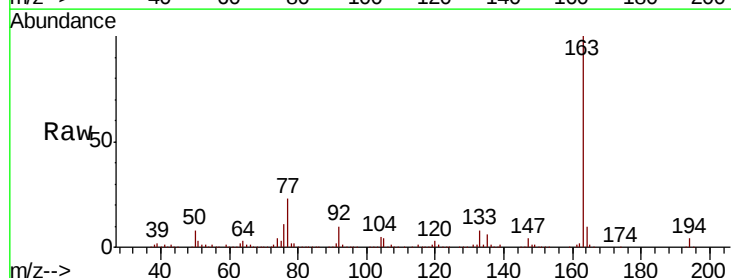
RT: 9.46 min Scan# 1253

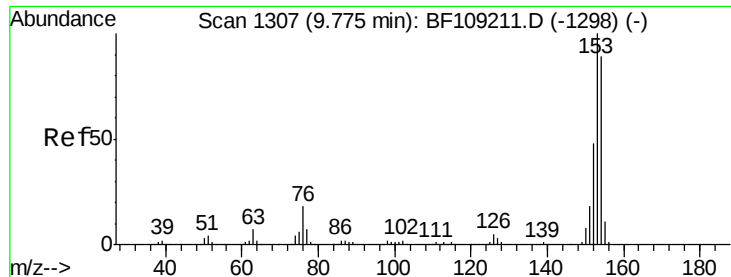
Delta R.T. -0.02 min

Lab File: BF109488.D

Acq: 1 Oct 2018 22:09

Tgt Ion:	163	Resp:	231920
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.7	4.1
164	10.3	8.2	12.2





#51

Acenaphthene

Concen: 21.009 ng

RT: 9.77 min Scan# 1306

Delta R.T. -0.01 min

Lab File: BF109488.D

Acq: 1 Oct 2018 22:09

Instrument :

BNA_F

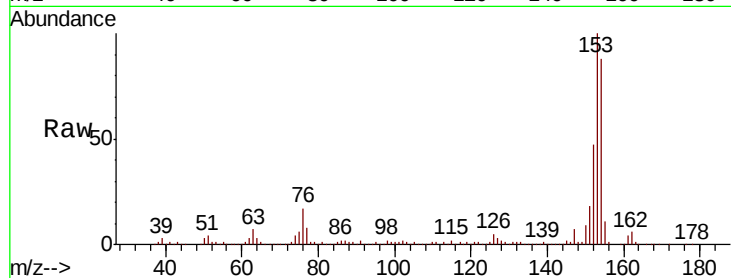
ClientSampleId :

QNWP8-MW27S-GW

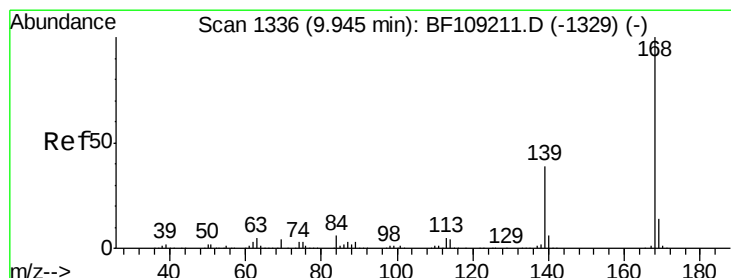
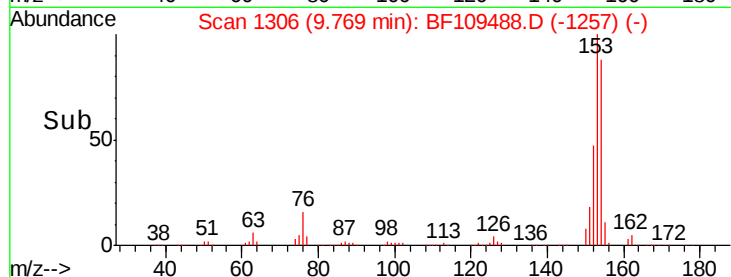
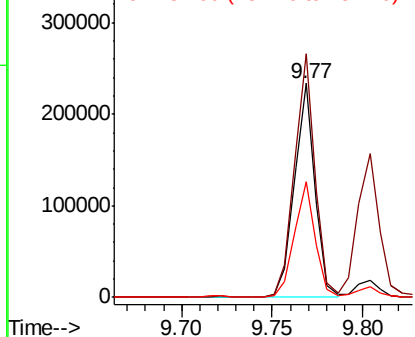
Tot Ion:	154	Resp:	186932
Ion Ratio	Lower	Upper	
154	100		
153	113.8	91.2	136.8
152	53.9	43.8	65.8

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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: 13.562 ng

RT: 9.94 min Scan# 1335

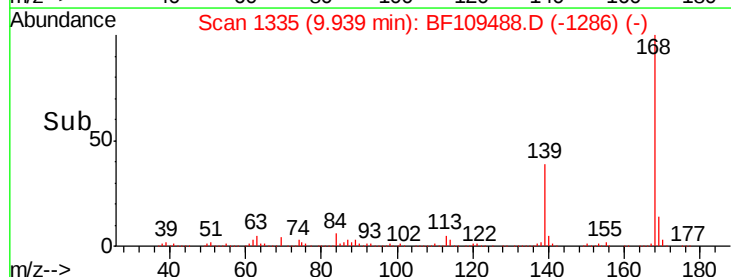
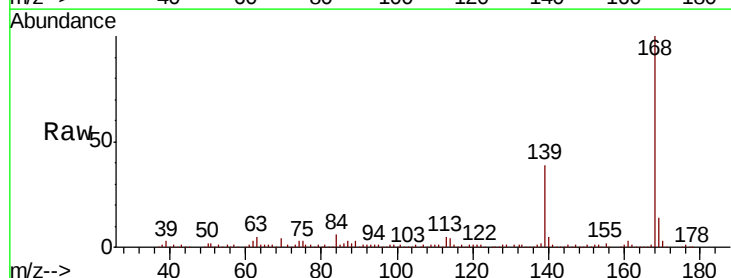
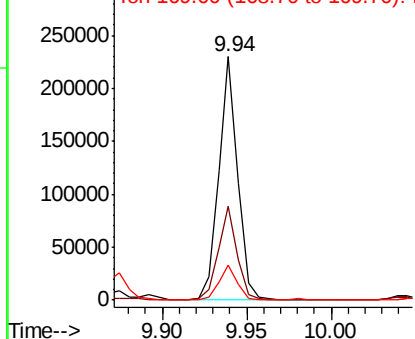
Delta R.T. -0.01 min

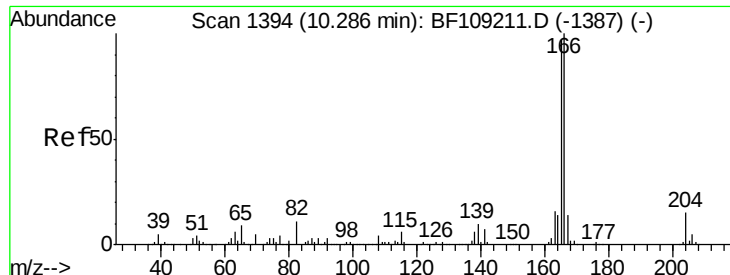
Lab File: BF109488.D

Acq: 1 Oct 2018 22:09

Tgt Ion:	168	Resp:	179456
Ion Ratio	Lower	Upper	
168	100		
139	38.7	30.1	45.1
169	14.3	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: 12.901 ng

RT: 10.28 min Scan# 1393

Delta R.T. -0.01 min

Lab File: BF109488.D

Acq: 1 Oct 2018 22:09

Instrument :

BNA_F

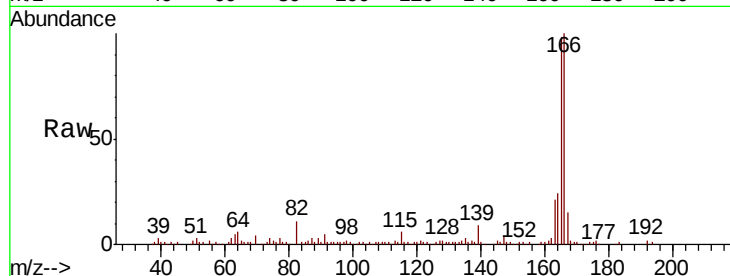
ClientSampleId :

QNWP8-MW27S-GW

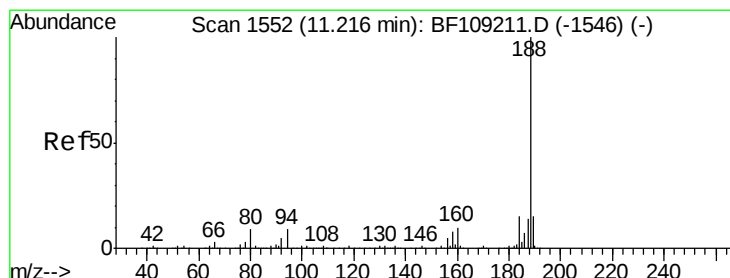
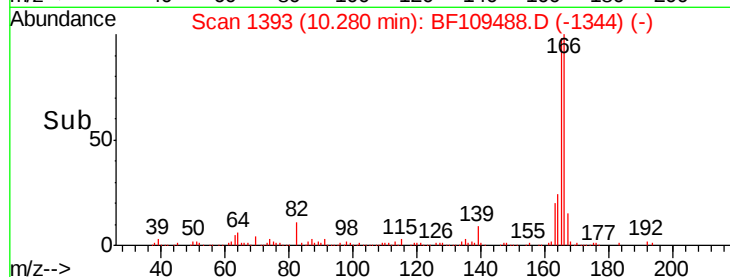
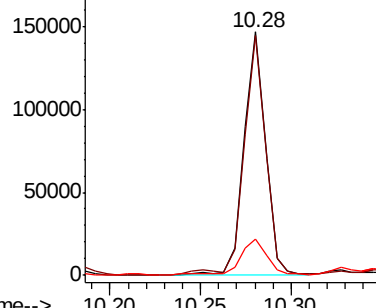
Tot Ion:	166	Resp:	121800
Ion Ratio	Lower	Upper	
166	100		
165	98.3	79.8	119.8
167	15.1	10.6	16.0

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Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E



#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.22 min Scan# 1552

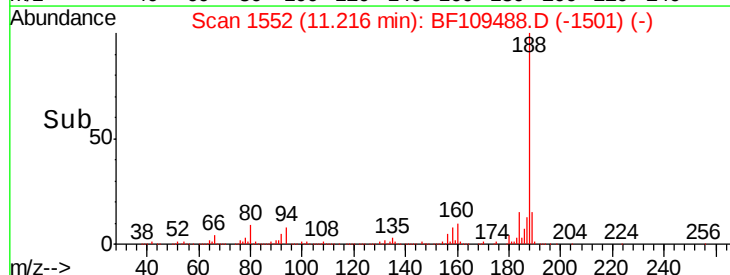
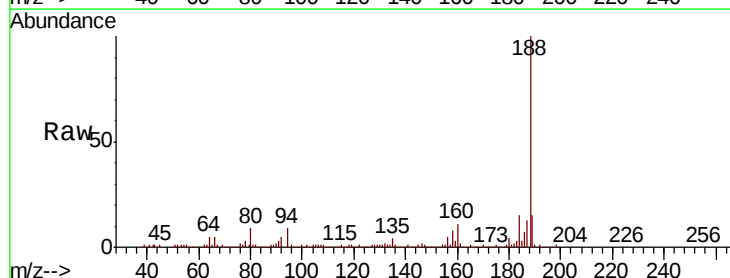
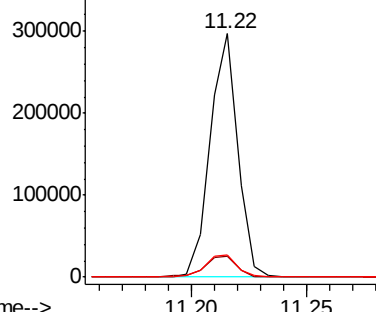
Delta R.T. 0.00 min

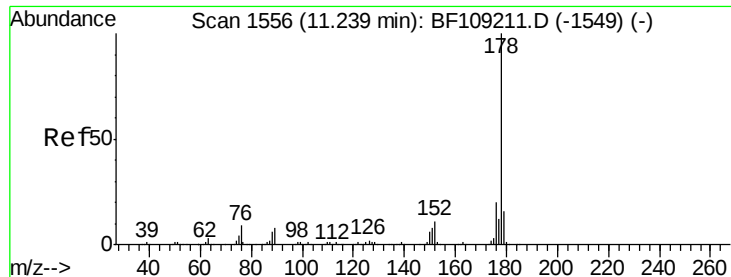
Lab File: BF109488.D

Acq: 1 Oct 2018 22:09

Tgt Ion:	188	Resp:	248638
Ion Ratio	Lower	Upper	
188	100		
94	8.6	8.5	12.7
80	9.1	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





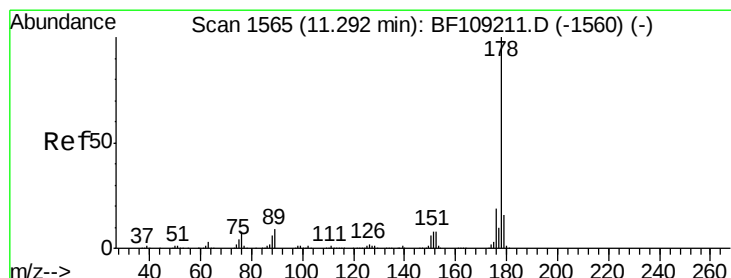
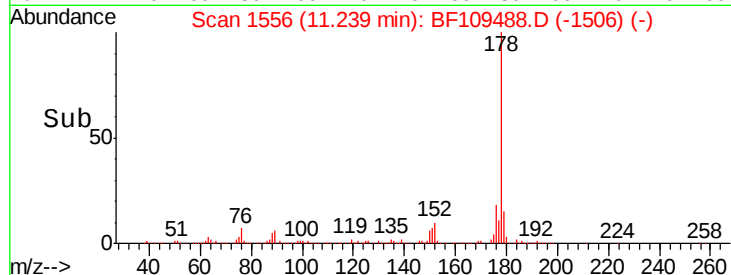
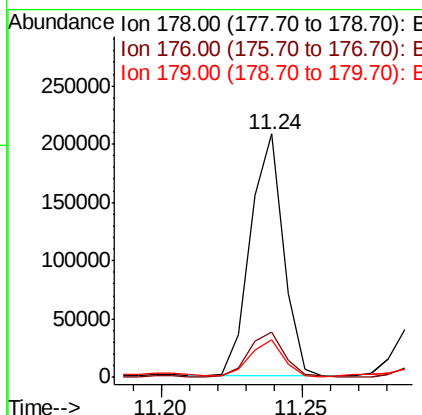
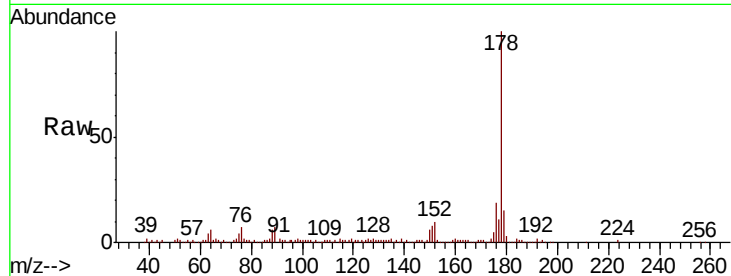
#70
Phenanthrene
Concen: 13.551 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF109488.D
Acq: 1 Oct 2018 22:09

Instrument :
BNA_F
ClientSampleId :
QNWP8-MW27S-GW

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.8	23.8
179	15.4	13.0	19.6

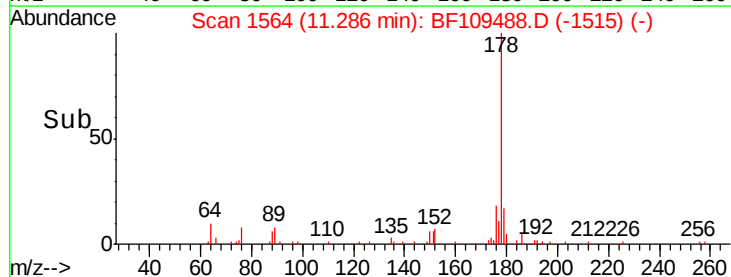
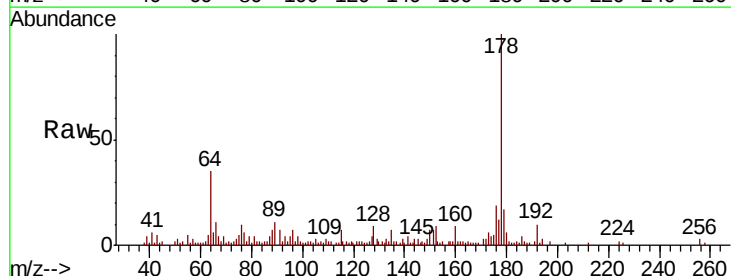
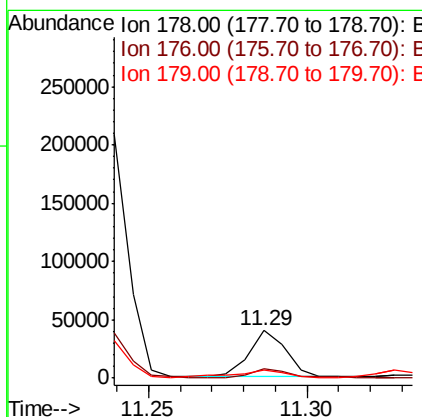
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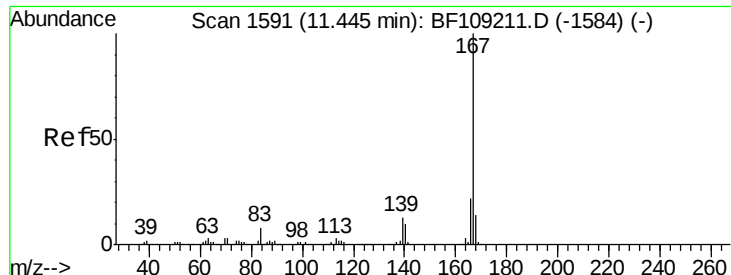
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#71
Anthracene
Concen: 2.592 ng
RT: 11.29 min Scan# 1564
Delta R.T. -0.01 min
Lab File: BF109488.D
Acq: 1 Oct 2018 22:09

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.4	23.2
179	17.4	12.6	19.0





#72

Carbazole

Concen: 17.684 ng

RT: 11.45 min Scan# 1591

Delta R.T. -0.01 min

Lab File: BF109488.D

Acq: 1 Oct 2018 22:09

Instrument :

BNA_F

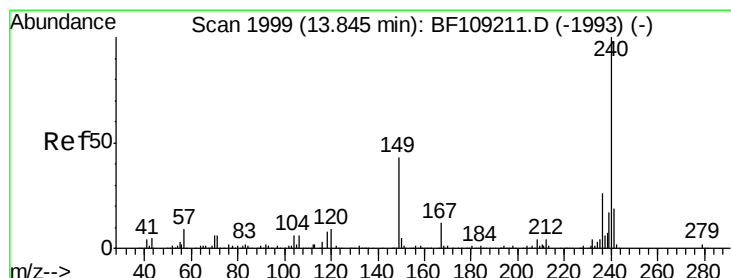
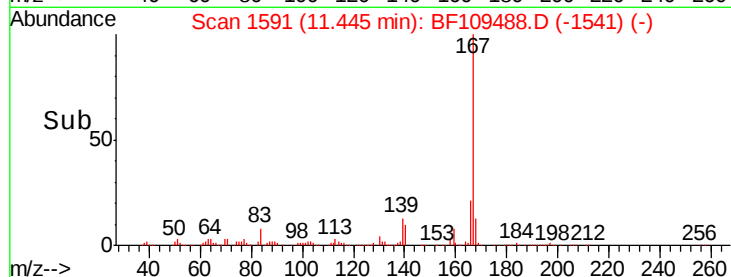
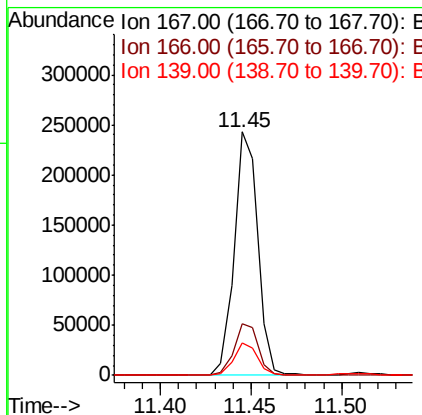
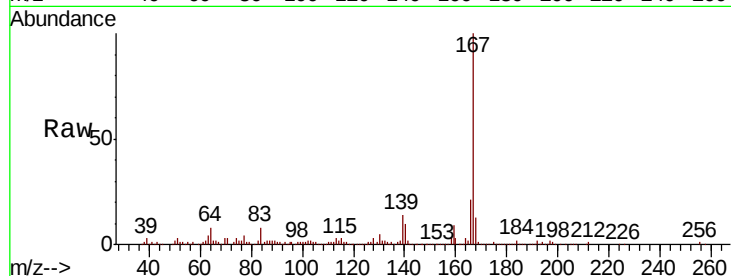
ClientSampleId :

QNWP8-MW27S-GW

Tot Ion:	167	Resp:	221540
Ion Ratio	Lower	Upper	
167	100		
166	21.4	17.6	26.4
139	13.6	10.9	16.3

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#75

Chrysene-d12

Concen: 20.000 ng

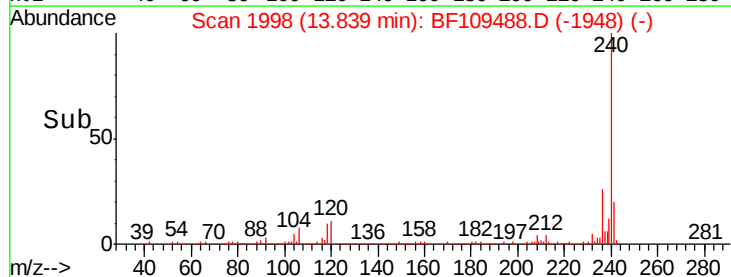
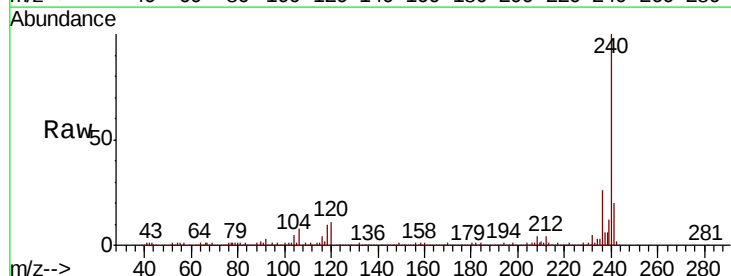
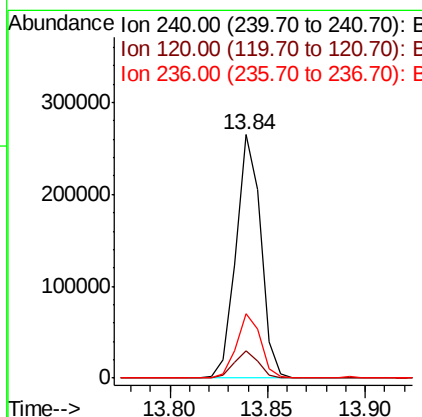
RT: 13.84 min Scan# 1998

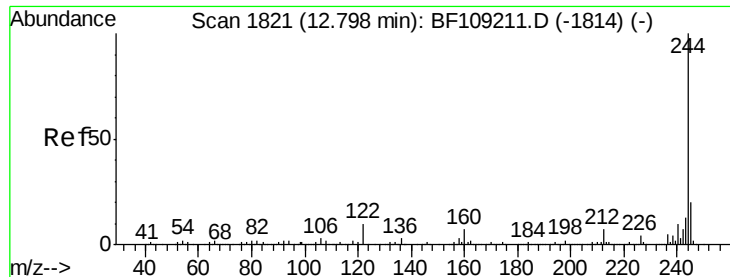
Delta R.T. -0.01 min

Lab File: BF109488.D

Acq: 1 Oct 2018 22:09

Tgt Ion:	240	Resp:	233488
Ion Ratio	Lower	Upper	
240	100		
120	11.4	9.5	14.3
236	26.3	20.7	31.1





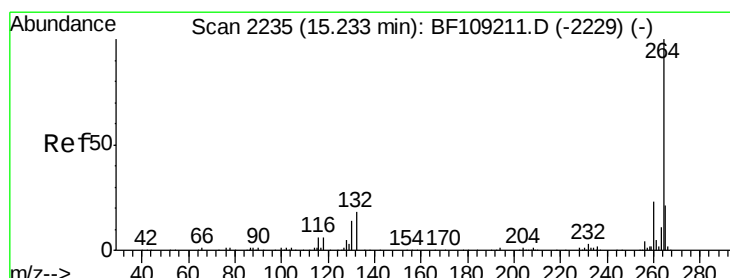
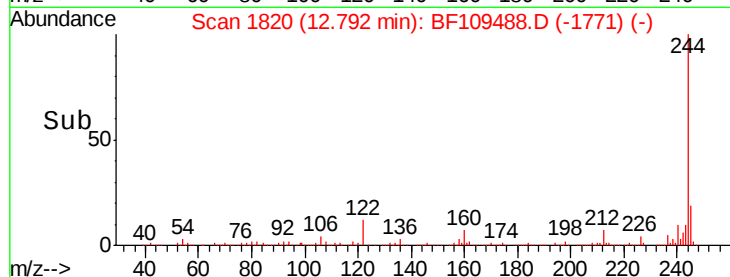
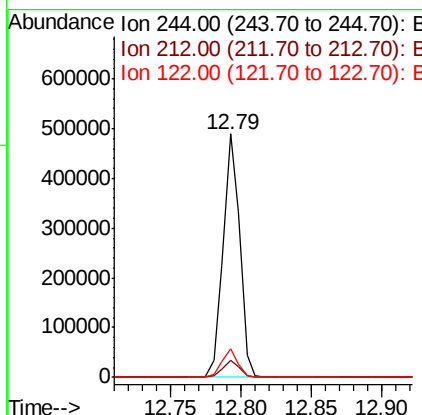
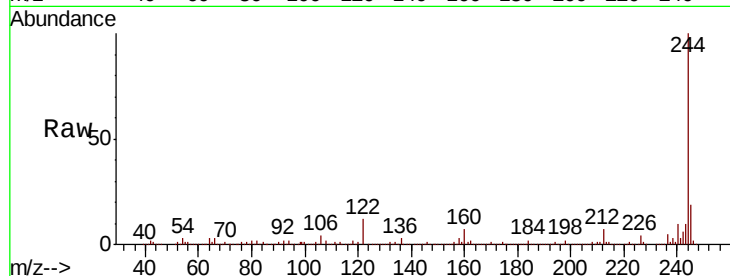
#78
 Terphenyl-d14
 Concen: 42.089 ng
 RT: 12.79 min Scan# 1820
 Delta R.T. -0.01 min
 Lab File: BF109488.D
 Acq: 1 Oct 2018 22:09

Instrument :
 BNA_F
 ClientSampleId :
 QNWP8-MW27S-GW

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	11.7	11.0	16.4

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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.24 min Scan# 2237
 Delta R.T. 0.01 min
 Lab File: BF109488.D
 Acq: 1 Oct 2018 22:09

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.2	17.5	26.3

