

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122217\
 Data File : BF101689.D
 Acq On : 23 Dec 2017 8:35
 Operator : SJ/JU
 Sample : I6836-03
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-70-01

Manual Integrations
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Sohil
 12/26/2017 1:37:49 PM

Quant Time: Dec 26 10:55:52 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 22 16:07:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	158644	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	556080	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	271376	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	455592	20.00	ng	0.00
75) Chrysene-d12	13.96	240	307124	20.00	ng	0.00
86) Perylene-d12	15.43	264	290769	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1193900	112.10	ng	0.02
7) Phenol-d6	6.46	99	1074435	81.06	ng	0.02
23) Nitrobenzene-d5	7.36	82	904154	90.51	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	296956	113.56	ng	0.00
44) 2-Fluorobiphenyl	9.14	172	1433868	81.96	ng	0.00
78) Terphenyl-d14	12.90	244	1193160	93.66	ng	0.00
Target Compounds						
3) Pyridine	3.49	79	105245m	6.922	ng	Qvalue
10) Phenol	6.49	94	3958495	262.027	ng	94
17) 2-Methylphenol	7.06	107	754232	73.187	ng	98
20) 3+4-Methylphenols	7.23	107	2393027	219.131	ng	86
27) 2,4-Dimethylphenol	7.76	122	481330m	59.649	ng	
31) Naphthalene	8.11	128	5275897	188.458	ng	98
37) 2-Methylnaphthalene	8.79	142	277981	15.241	ng	99
45) 1,1'-Biphenyl	9.24	154	68993	2.867	ng	98
48) Acenaphthylene	9.69	152	603579	20.752	ng	99
51) Acenaphthene	9.86	154	56901	3.256	ng	92
54) Dibenzofuran	10.03	168	189094	8.515	ng	98
57) Fluorene	10.37	166	155945	8.301	ng	# 99
70) Phenanthrene	11.34	178	227697	8.987	ng	98
71) Anthracene	11.39	178	55965m	2.162	ng	
72) Carbazole	11.55	167	707042	29.180	ng	100

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

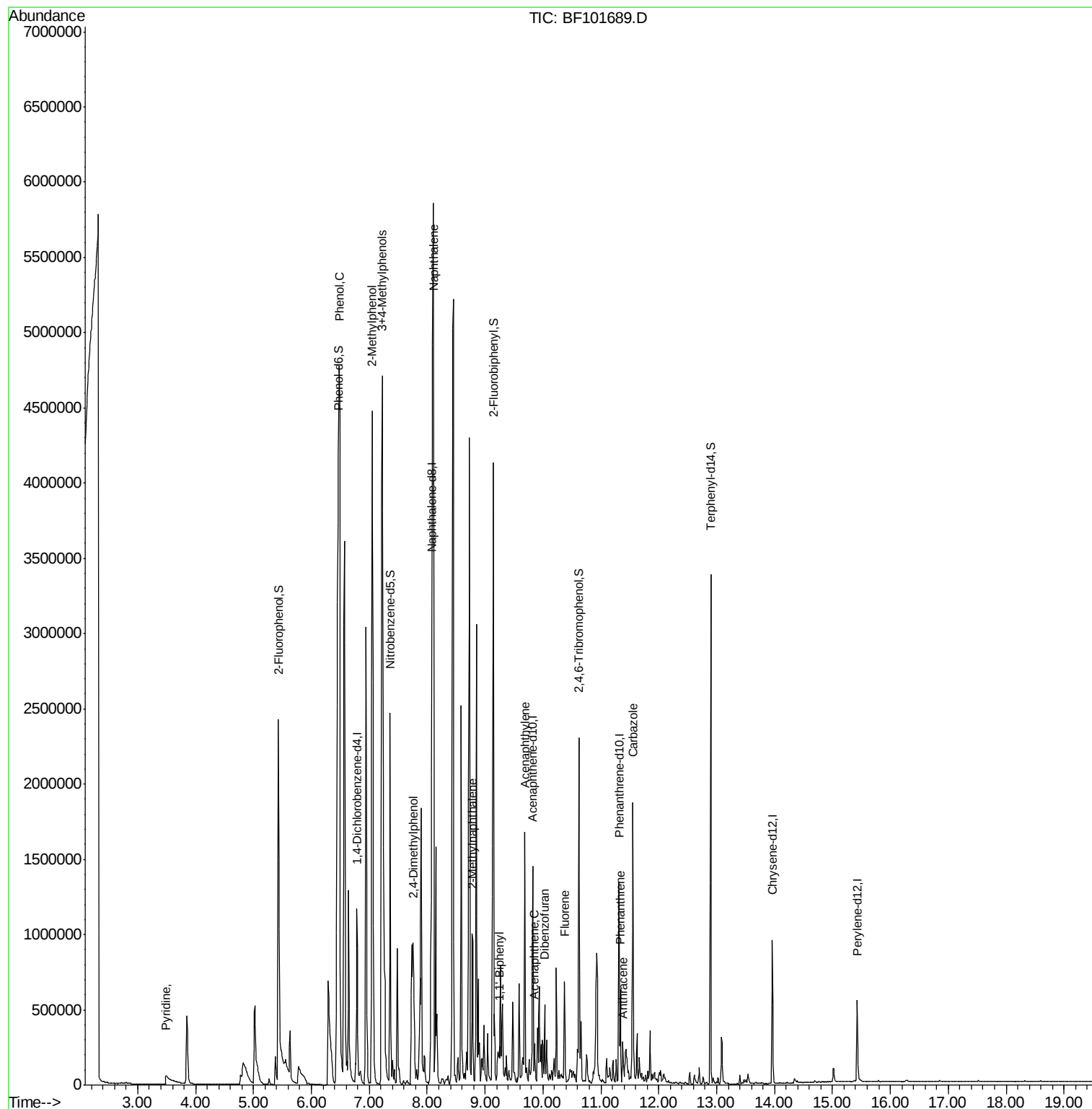
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122217\
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 799

Delta R.T. -0.00 min

Lab File: BF101689.D

Acq: 23 Dec 2017 8:35

Instrument :

BNA_F

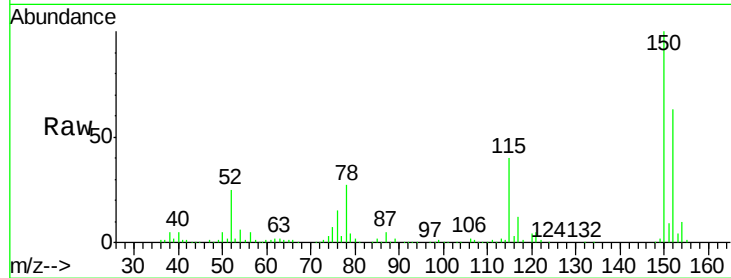
ClientSampleId :

WC-70-01

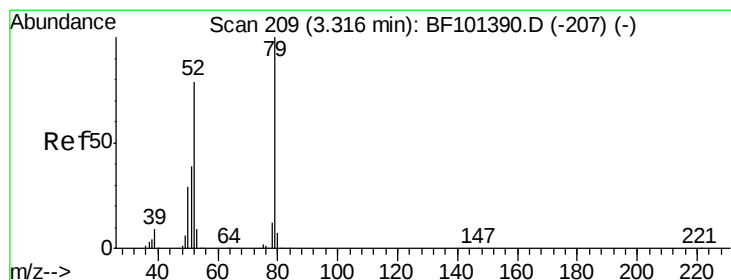
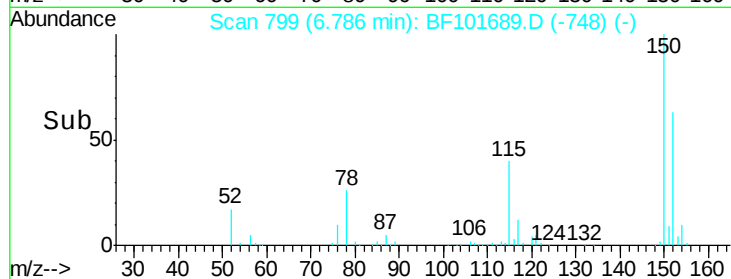
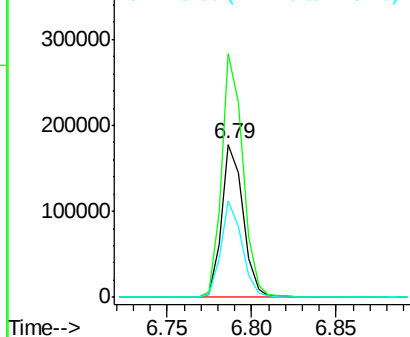
Tgt Ion:	152	Resp:	158644
Ion Ratio	Lower	Upper	
152	100		
150	159.4	124.6	186.8
115	63.5	50.1	75.1

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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



#3

Pyridine

Concen: 6.922 ng m

RT: 3.49 min Scan# 239

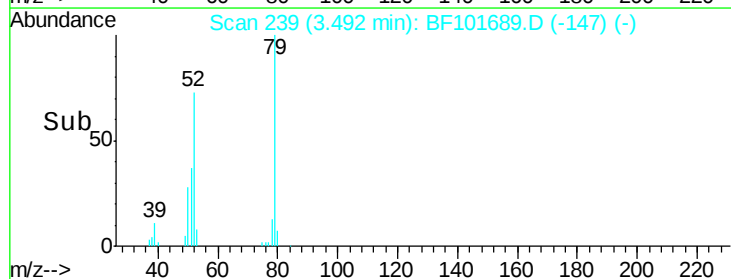
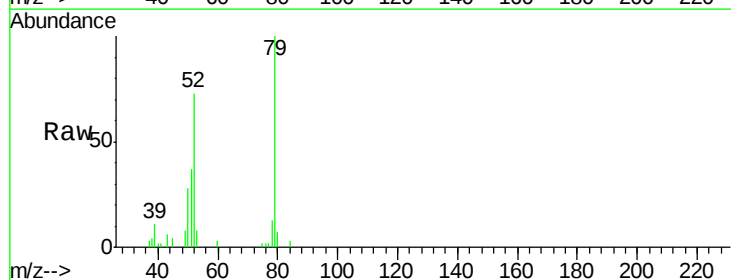
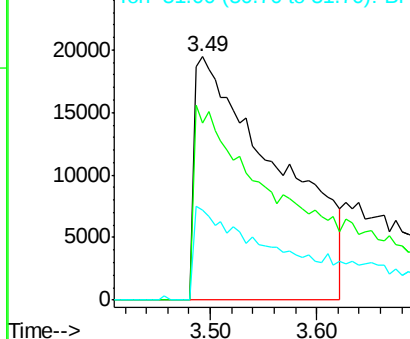
Delta R.T. 0.24 min

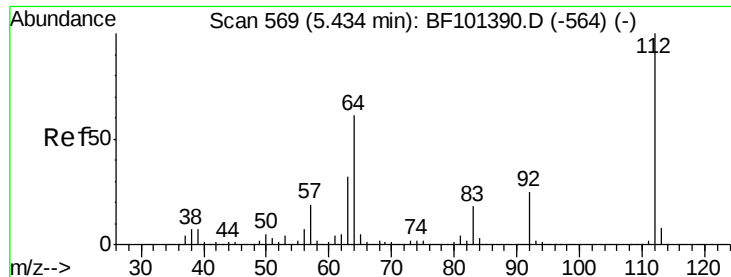
Lab File: BF101689.D

Acq: 23 Dec 2017 8:35

Tgt Ion:	79	Resp:	105245
Ion Ratio	Lower	Upper	
79	100		
52	72.6	59.8	89.6
51	36.9	29.8	44.8

Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 52.00 (51.70 to 52.70): BF1
Ion 51.00 (50.70 to 51.70): BF1





#5

2-Fluorophenol

Concen: 112.101 ng

RT: 5.43 min Scan# 568

Delta R.T. 0.02 min

Lab File: BF101689.D

Acq: 23 Dec 2017 8:35

Instrument :

BNA_F

ClientSampleId :

WC-70-01

Tgt Ion: 112 Resp: 1193900

Ion Ratio Lower Upper

112 100

64 61.0 47.9 71.9

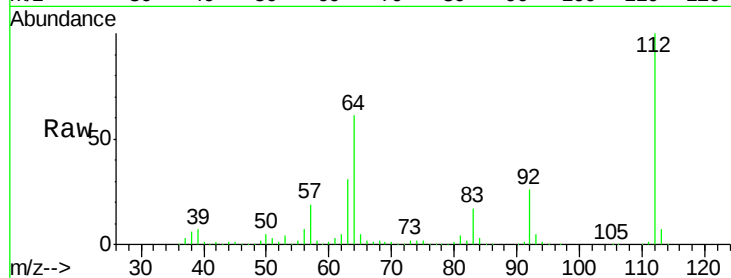
63 31.4 23.7 35.5

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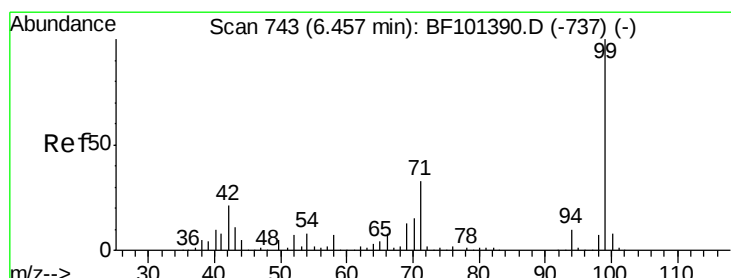
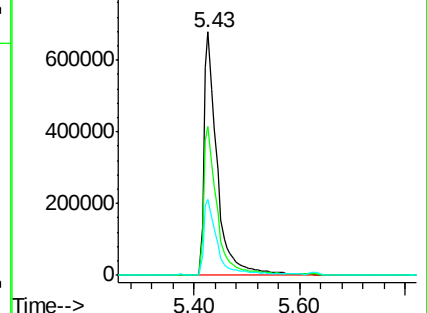
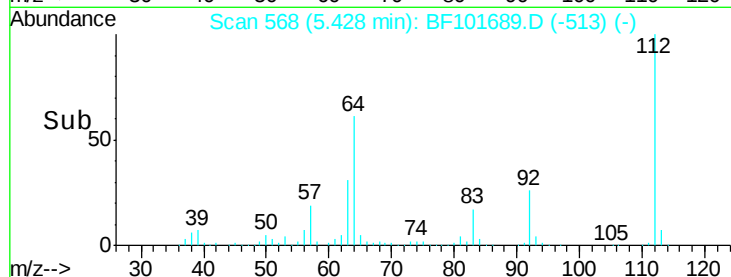
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Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#7

Phenol-d6

Concen: 81.061 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.02 min

Lab File: BF101689.D

Acq: 23 Dec 2017 8:35

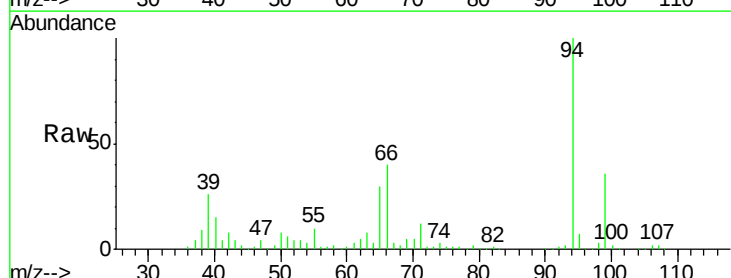
Tgt Ion: 99 Resp: 1074435

Ion Ratio Lower Upper

99 100

42 23.3 14.5 21.7#

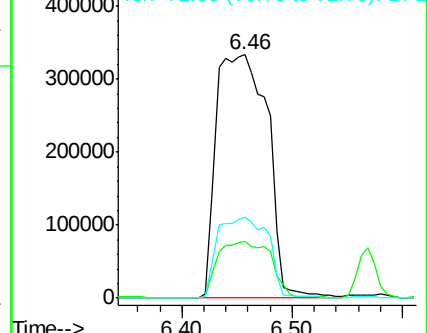
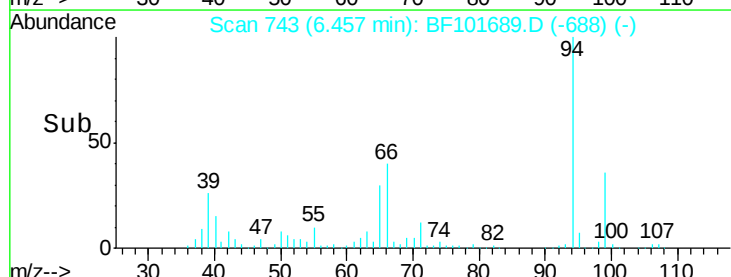
71 33.2 25.4 38.0

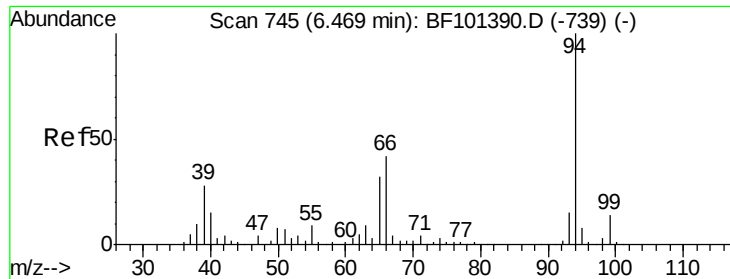


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#10

Phenol

Concen: 262.027 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.04 min

Lab File: BF101689.D

Acq: 23 Dec 2017 8:35

Instrument :

BNA_F

ClientSampleId :

WC-70-01

Tgt Ion: 94 Resp: 3958495

Ion Ratio Lower Upper

94 100

65 29.8 7.9 47.9

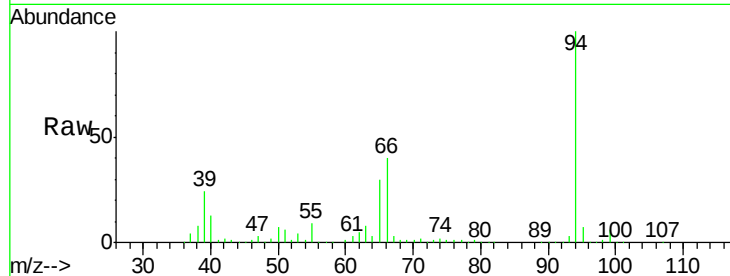
66 40.3 16.2 56.2

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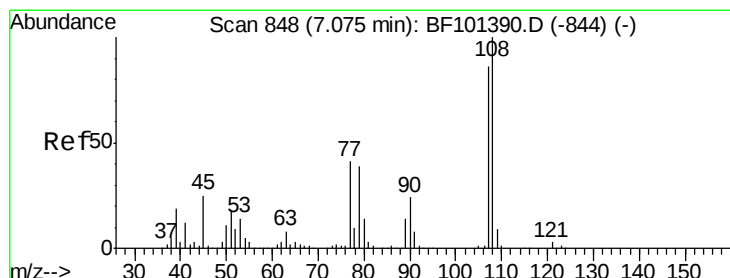
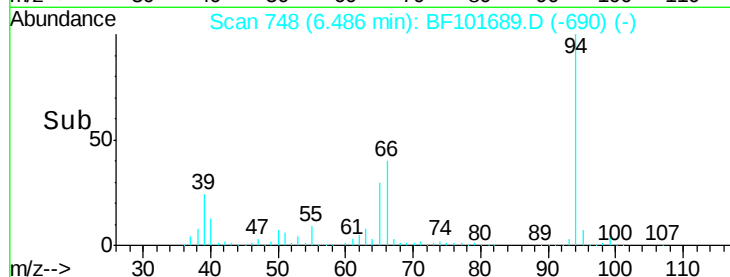
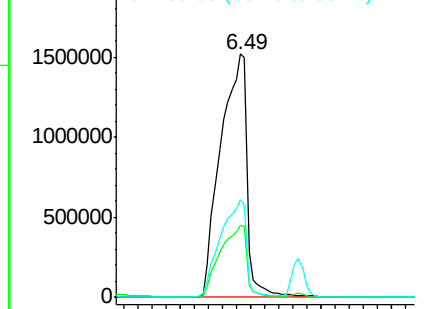


Abundance

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



#17

2-Methylphenol

Concen: 73.187 ng

RT: 7.06 min Scan# 845

Delta R.T. 0.01 min

Lab File: BF101689.D

Acq: 23 Dec 2017 8:35

Tgt Ion: 107 Resp: 754232

Ion Ratio Lower Upper

107 100

108 113.0 91.7 137.5

77 43.8 33.8 50.8

79 43.9 33.8 50.8

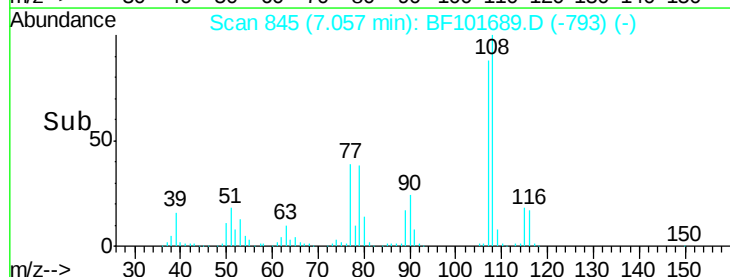
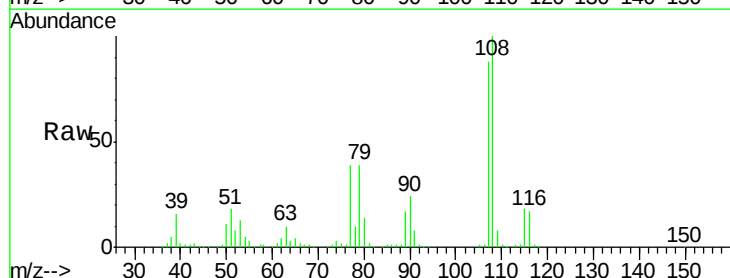
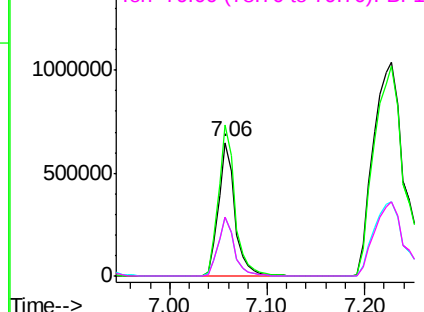
Abundance

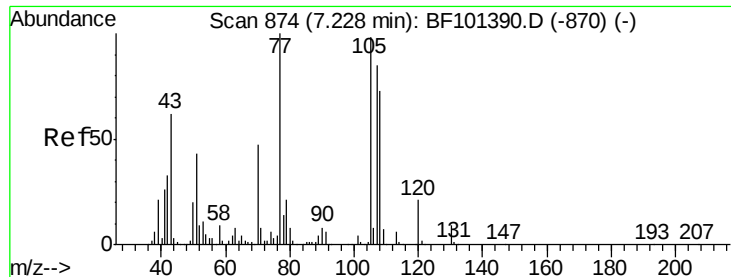
Ion 107.00 (106.70 to 107.70): E

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





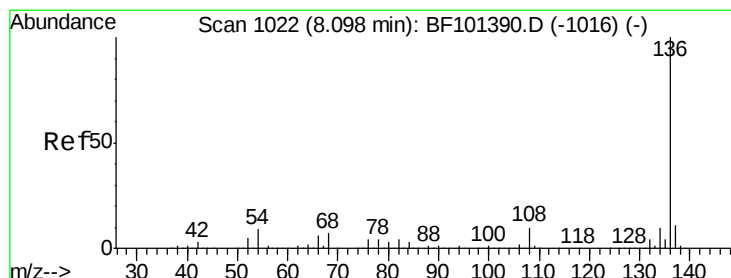
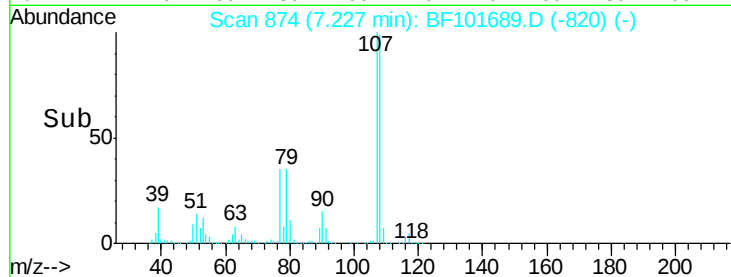
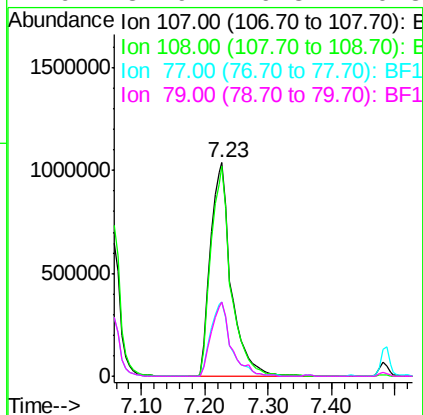
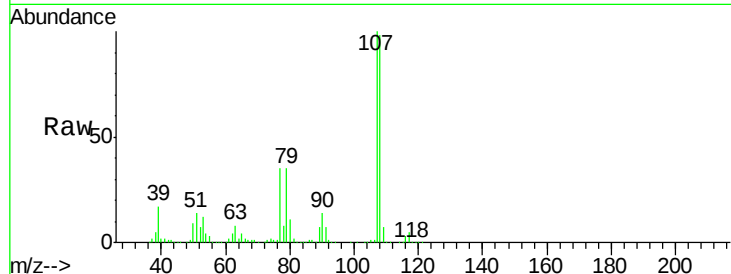
#20
3+4-Methylphenols
Concen: 219.131 ng
RT: 7.23 min Scan# 874
Delta R.T. 0.02 min
Lab File: BF101689.D
Acq: 23 Dec 2017 8:35

Instrument :
BNA_F
ClientSampleId :
WC-70-01

Tgt Ion	Ratio	Lower	Upper
107	100		
108	98.5	68.2	108.2
77	34.9	26.7	66.7
79	34.9	6.3	46.3

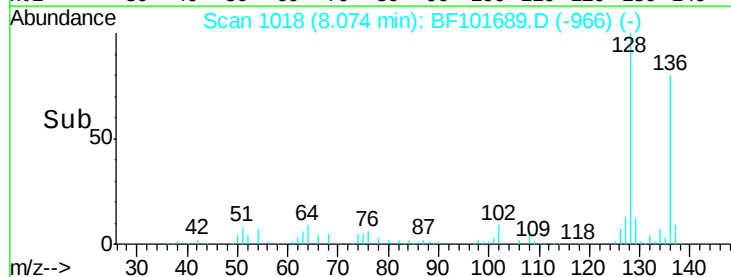
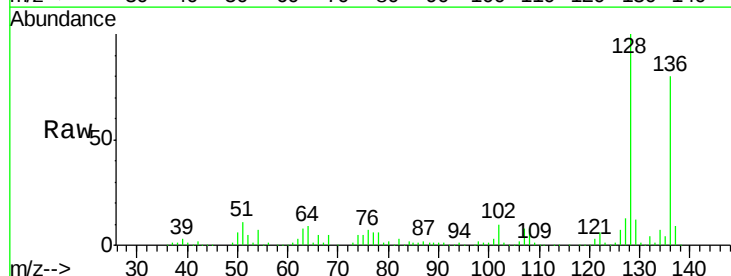
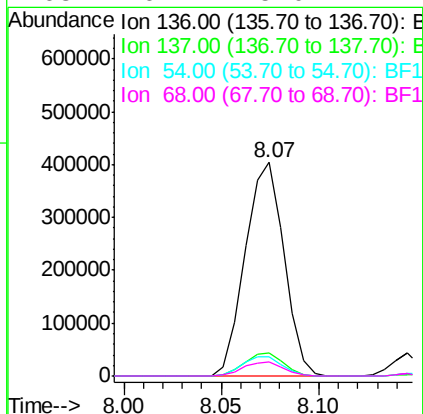
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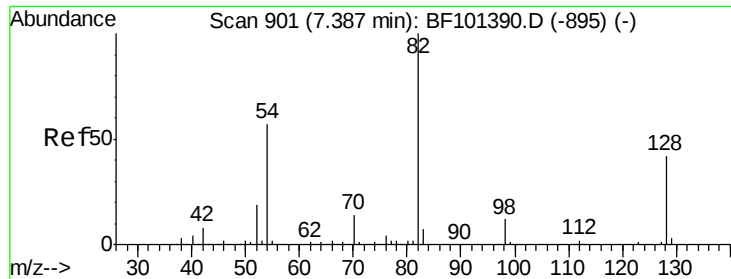
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. 0.01 min
Lab File: BF101689.D
Acq: 23 Dec 2017 8:35

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	9.1	6.6	9.8
68	6.4	5.0	7.4





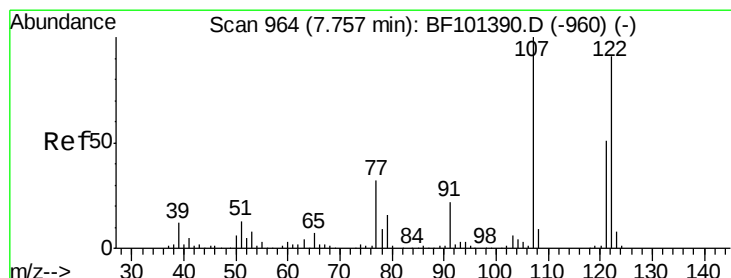
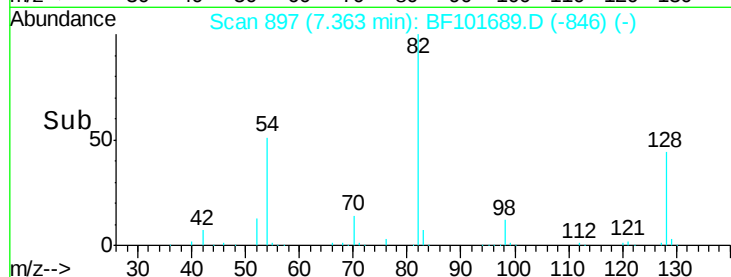
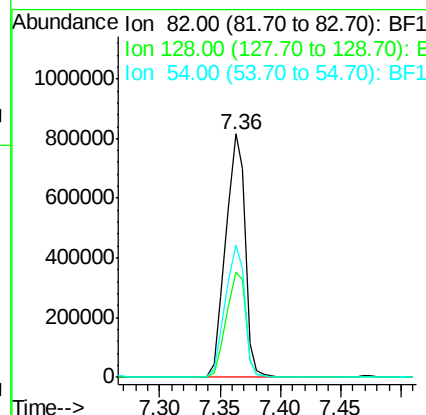
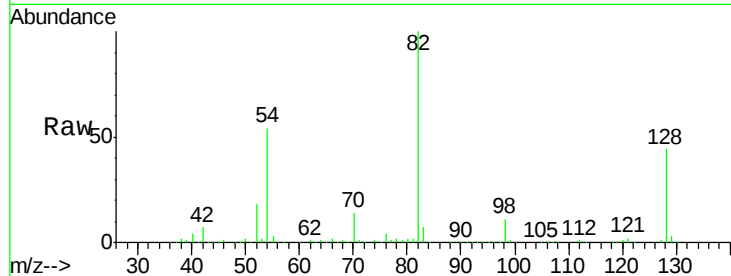
#23
Nitrobenzene-d5
Concen: 90.509 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.00 min
Lab File: BF101689.D
Acq: 23 Dec 2017 8:35

Instrument :
BNA_F
ClientSampled :
WC-70-01

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	904154		
128	43.5	36.1	54.1	
54	54.4	41.4	62.2	

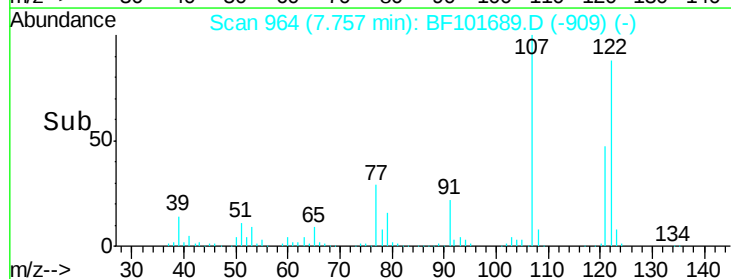
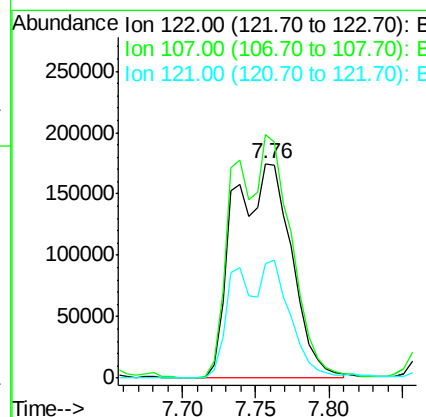
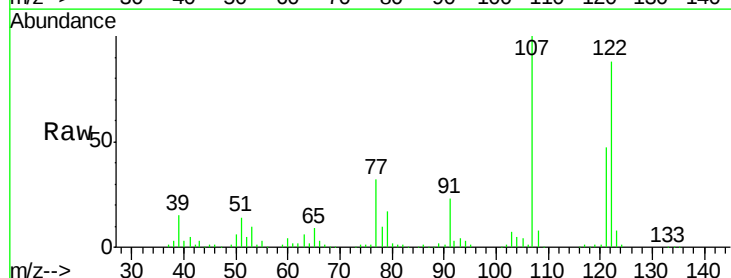
Manual Integrations
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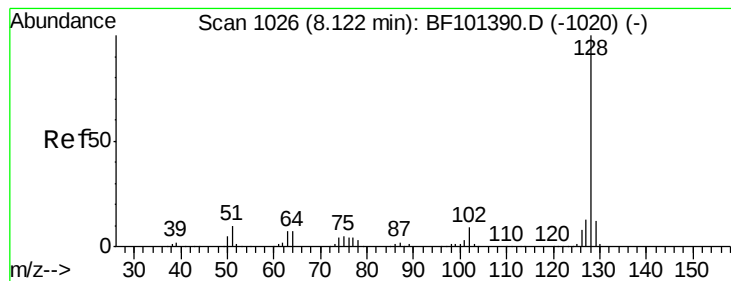
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#27
2,4-Dimethylphenol
Concen: 59.649 ng m
RT: 7.76 min Scan# 964
Delta R.T. 0.02 min
Lab File: BF101689.D
Acq: 23 Dec 2017 8:35

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	481330		
107	113.6	91.2	136.8	
121	53.2	47.2	70.8	





#31

Naphthalene

Concen: 188.458 ng

RT: 8.11 min Scan# 1024

Delta R.T. 0.02 min

Lab File: BF101689.D

Acq: 23 Dec 2017 8:35

Instrument :

BNA_F

ClientSampleId :

WC-70-01

Tgt Ion:128 Resp: 5275897

Ion Ratio Lower Upper

128 100

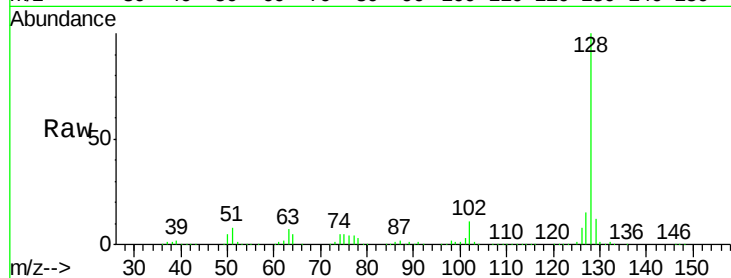
129 11.8 8.8 13.2

127 14.6 10.9 16.3

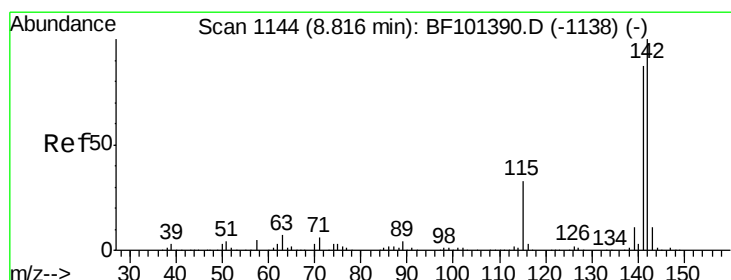
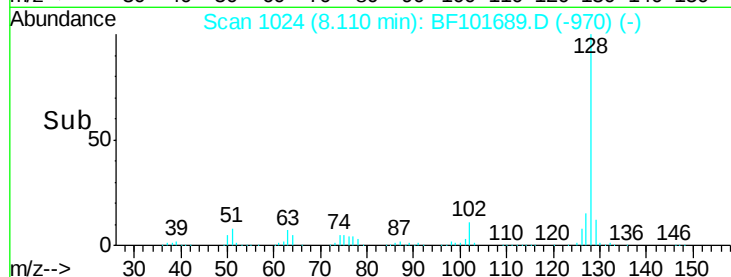
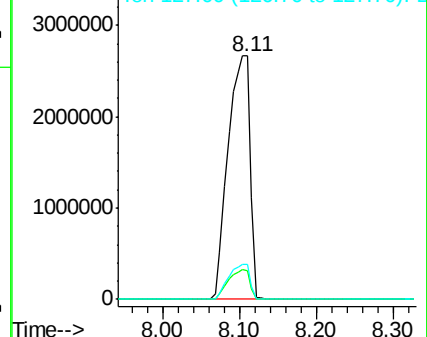
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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 15.241 ng

RT: 8.79 min Scan# 1139

Delta R.T. -0.00 min

Lab File: BF101689.D

Acq: 23 Dec 2017 8:35

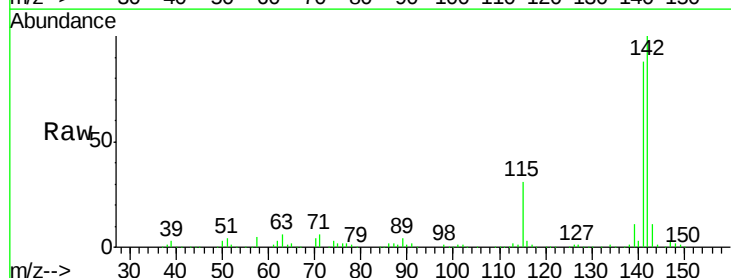
Tgt Ion:142 Resp: 277981

Ion Ratio Lower Upper

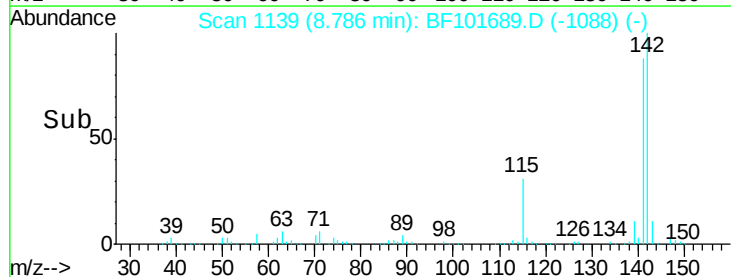
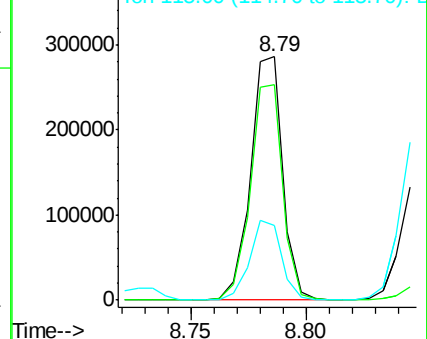
142 100

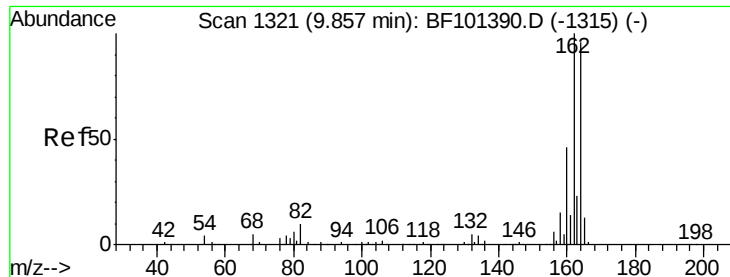
141 88.3 70.8 106.2

115 30.9 26.1 39.1



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





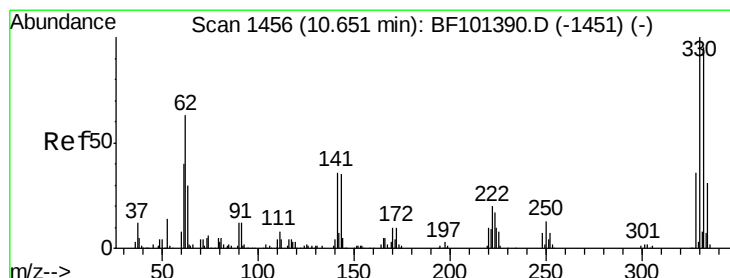
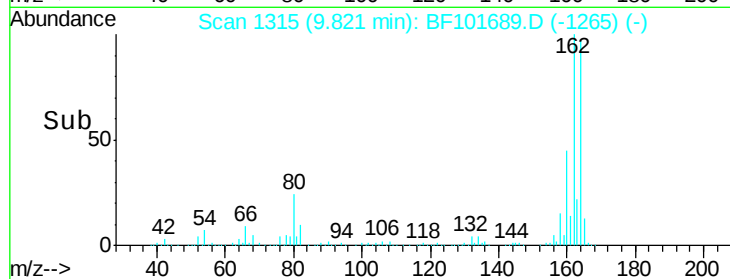
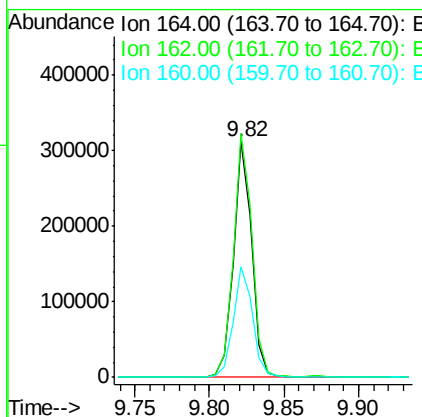
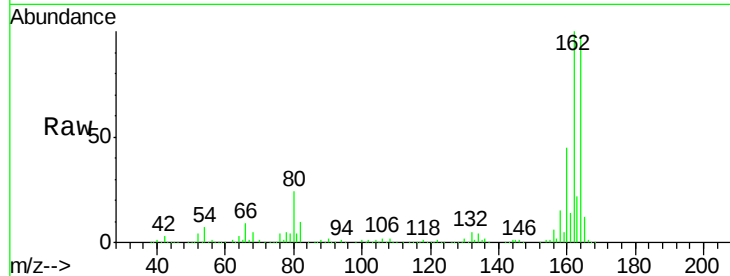
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF101689.D
Acq: 23 Dec 2017 8:35

Instrument :
BNA_F
ClientSampleId :
WC-70-01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	271376		
162	103.2	86.1	129.1	
160	46.6	38.3	57.5	

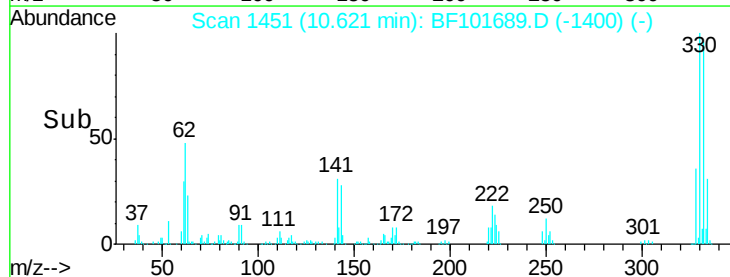
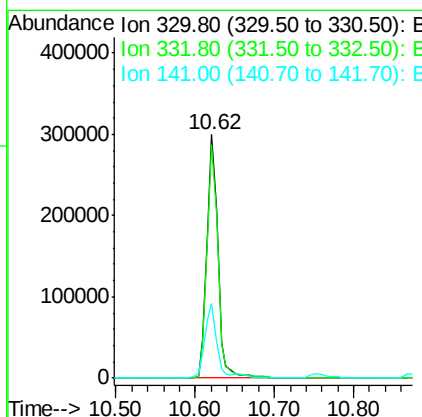
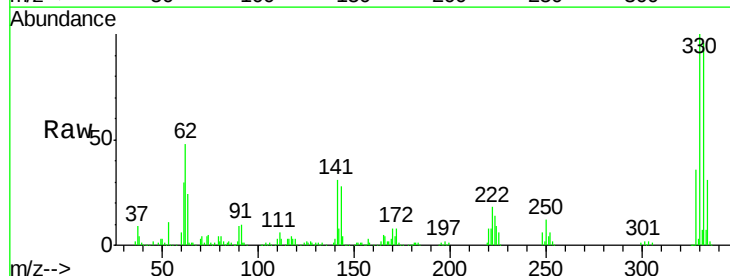
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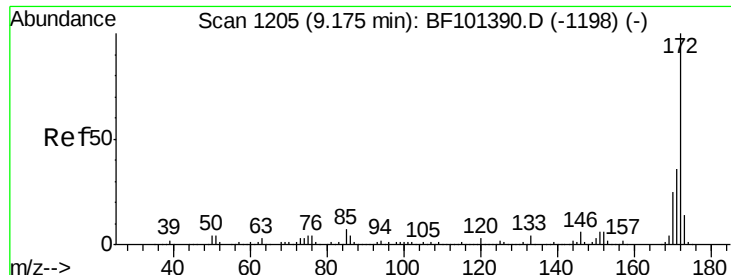
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#41
2,4,6-Tribromophenol
Concen: 113.562 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.00 min
Lab File: BF101689.D
Acq: 23 Dec 2017 8:35

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	296956		
332	96.3	77.0	115.6	
141	31.9	29.9	44.9	





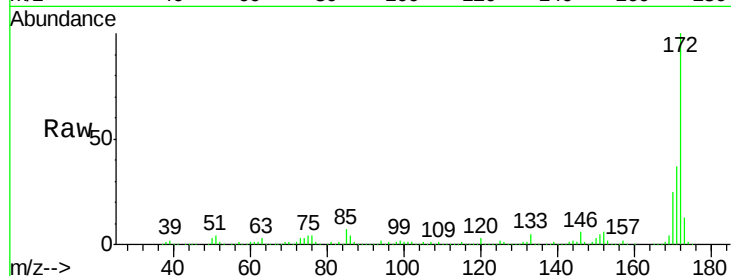
#44
 2-Fluorobiphenyl
 Concen: 81.963 ng
 RT: 9.14 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: BF101689.D
 Acq: 23 Dec 2017 8:35

Instrument :
 BNA_F
 ClientSampleId :
 WC-70-01

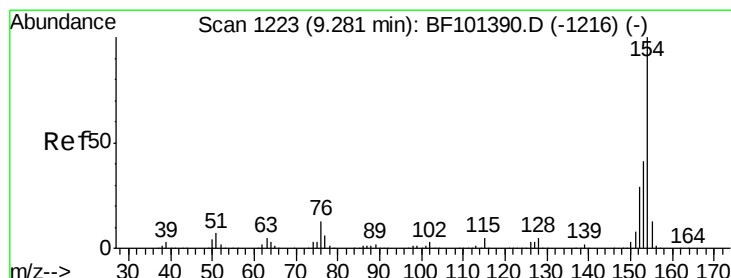
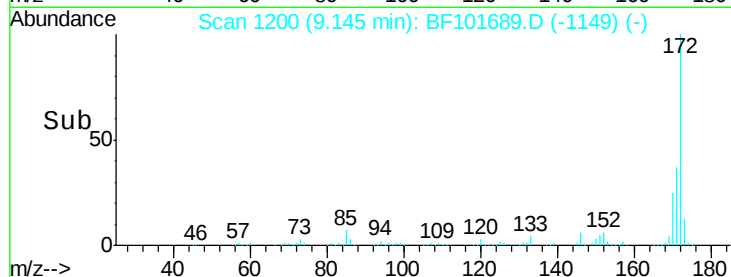
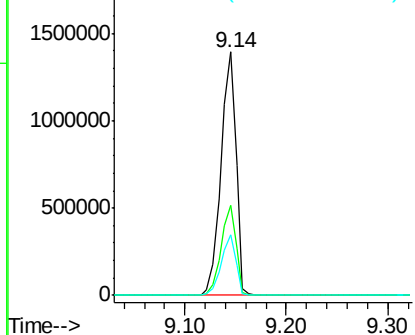
Tgt Ion:172 Resp: 1433868
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.7 44.5
 170 24.9 19.6 29.4

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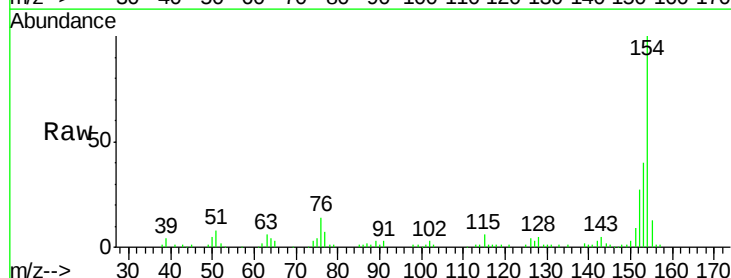


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

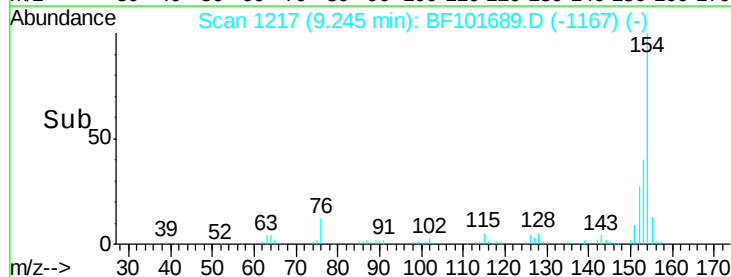
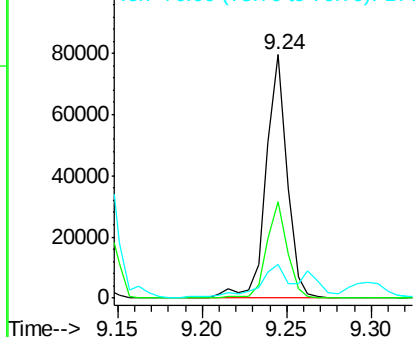


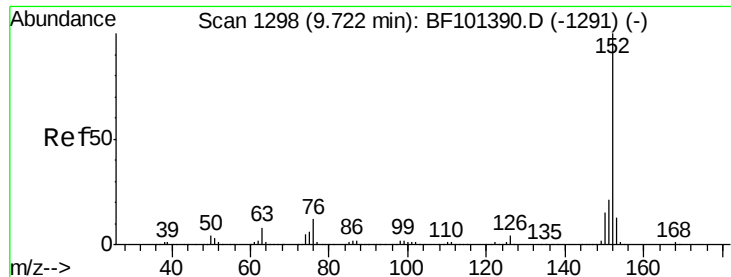
#45
 1,1'-Biphenyl
 Concen: 2.867 ng
 RT: 9.24 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF101689.D
 Acq: 23 Dec 2017 8:35

Tgt Ion:154 Resp: 68993
 Ion Ratio Lower Upper
 154 100
 153 39.6 21.3 61.3
 76 13.9 0.0 34.0



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





#48

Acenaphthylene

Concen: 20.752 ng

RT: 9.69 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BF101689.D

Acq: 23 Dec 2017 8:35

Instrument :

BNA_F

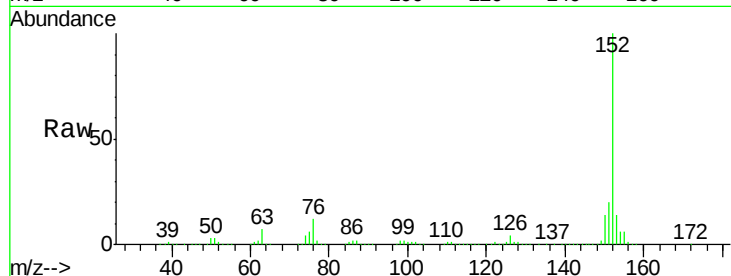
ClientSampled :

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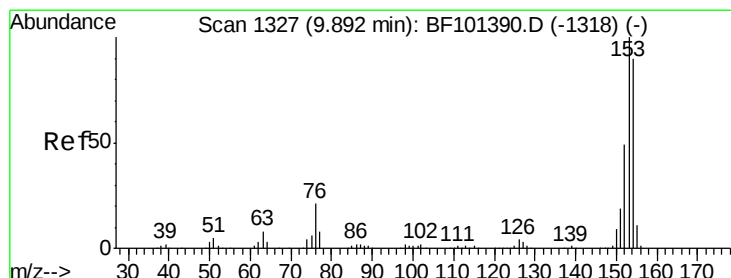
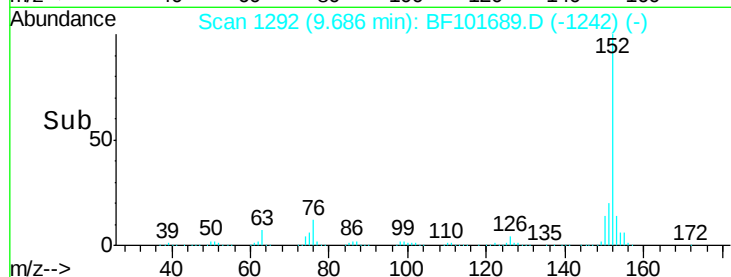
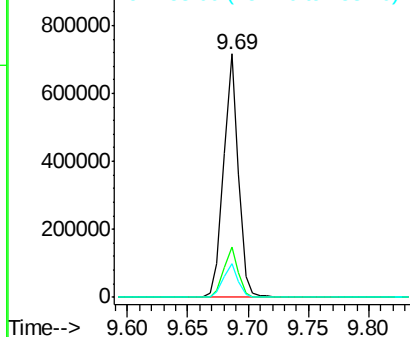
Tgt Ion:	152	Resp:	603579
Ion Ratio	Lower	Upper	
152	100		
151	20.5	16.3	24.5
153	13.8	10.7	16.1

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#51

Acenaphthene

Concen: 3.256 ng

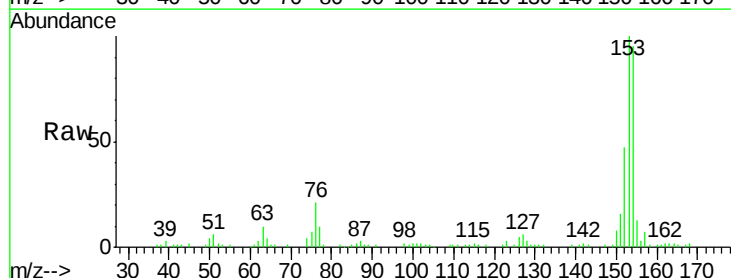
RT: 9.86 min Scan# 1321

Delta R.T. -0.01 min

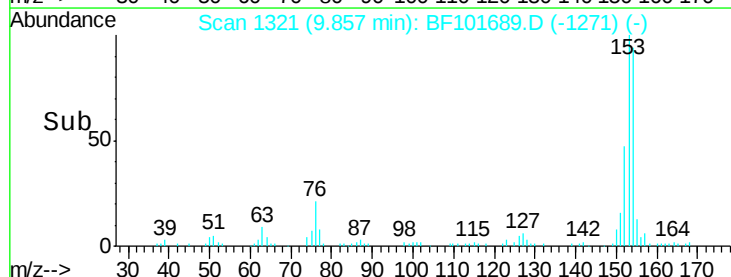
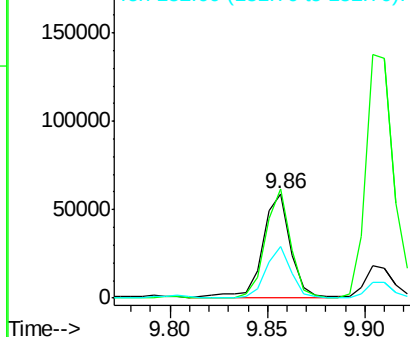
Lab File: BF101689.D

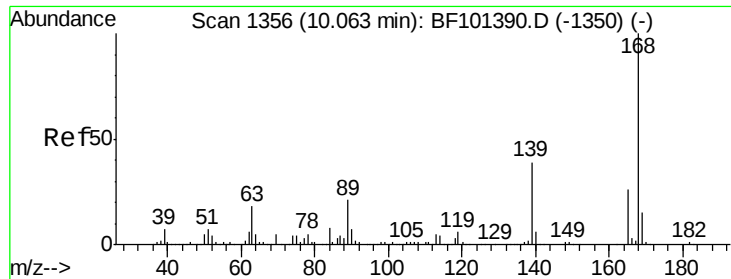
Acq: 23 Dec 2017 8:35

Tgt Ion:	154	Resp:	56901
Ion Ratio	Lower	Upper	
154	100		
153	104.8	91.2	136.8
152	49.6	43.8	65.8



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

Dibenzenofuran

Concen: 8.515 ng

RT: 10.03 min Scan# 1350

Delta R.T. -0.01 min

Lab File: BF101689.D

Acq: 23 Dec 2017 8:35

Instrument :

BNA_F

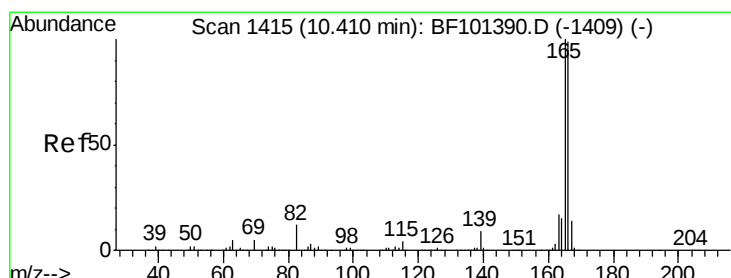
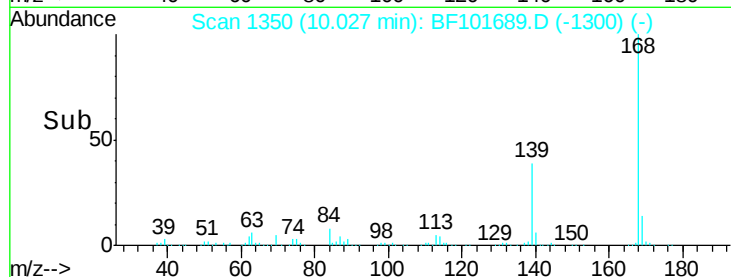
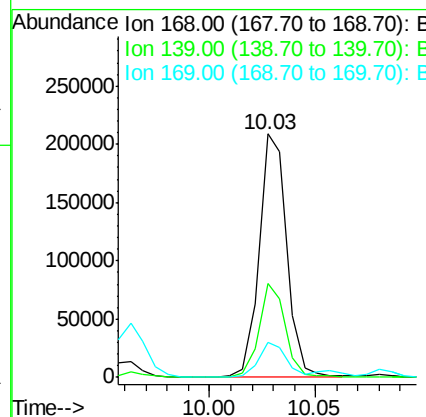
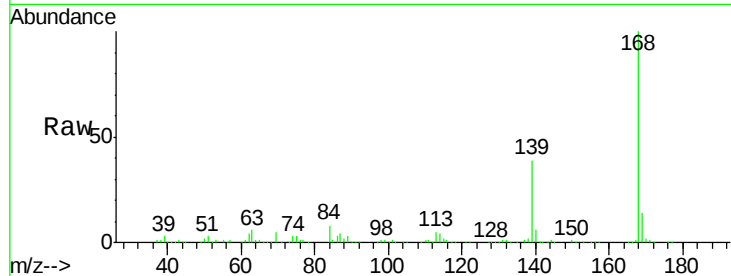
ClientSampleId :

WC-70-01

Tgt Ion:	168	Resp:	189094
Ion Ratio	Lower	Upper	
168	100		
139	38.8	30.1	45.1
169	14.1	10.9	16.3

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#57

Fluorene

Concen: 8.301 ng

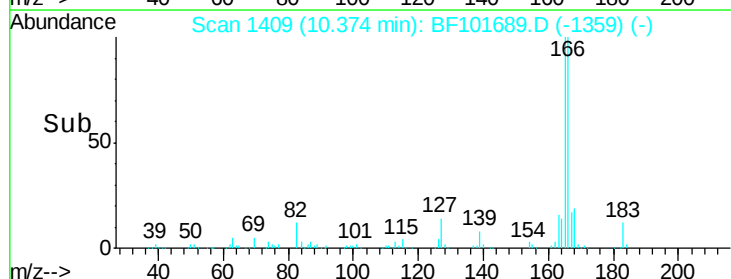
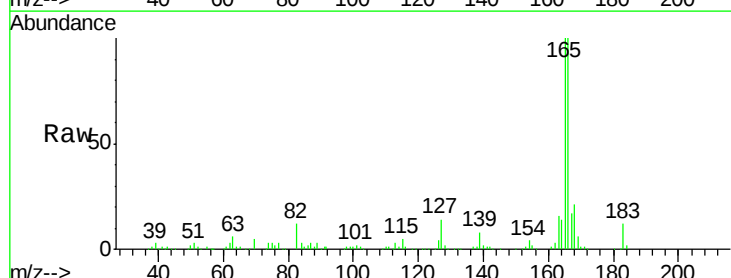
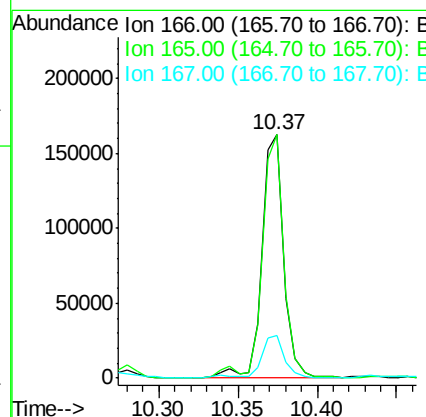
RT: 10.37 min Scan# 1409

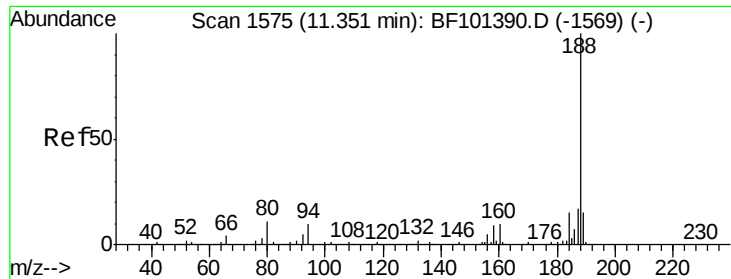
Delta R.T. -0.01 min

Lab File: BF101689.D

Acq: 23 Dec 2017 8:35

Tgt Ion:	166	Resp:	155945
Ion Ratio	Lower	Upper	
166	100		
165	99.8	79.8	119.8
167	17.3	10.6	16.0#





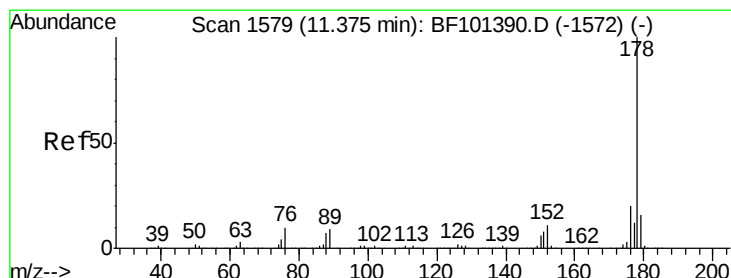
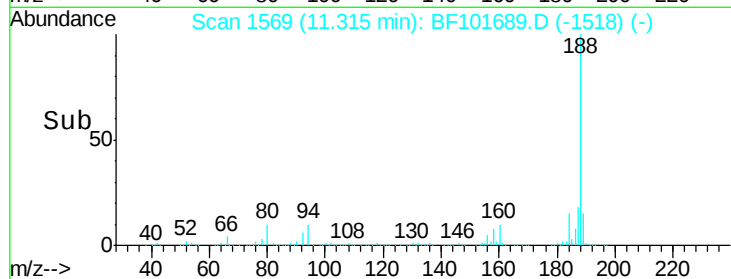
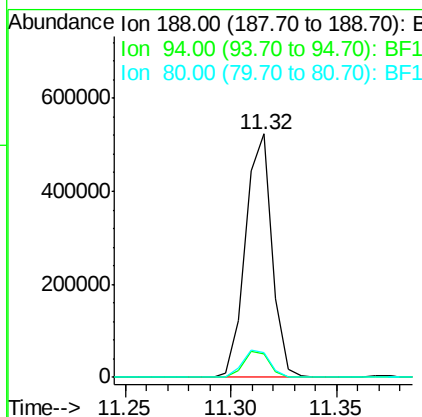
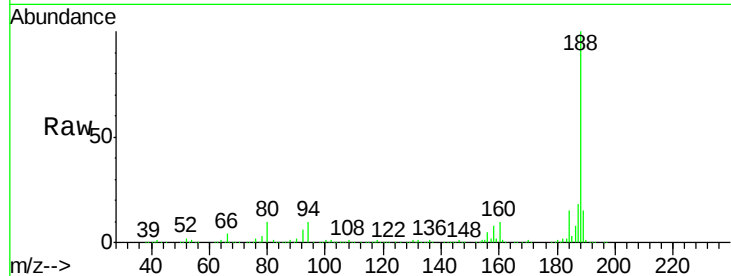
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.00 min
Lab File: BF101689.D
Acq: 23 Dec 2017 8:35

Instrument :
BNA_F
ClientSampleId :
WC-70-01

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	9.6	8.5	12.7
80	10.4	9.2	13.8

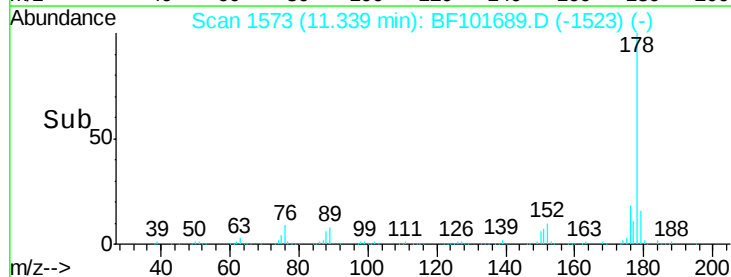
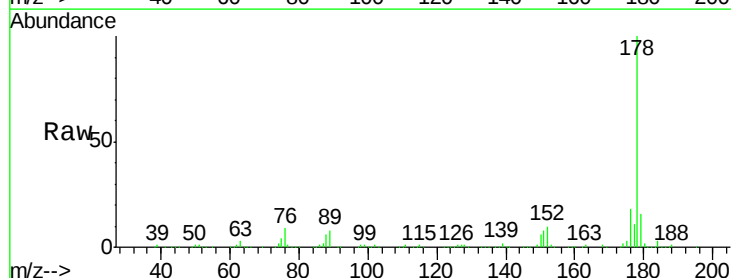
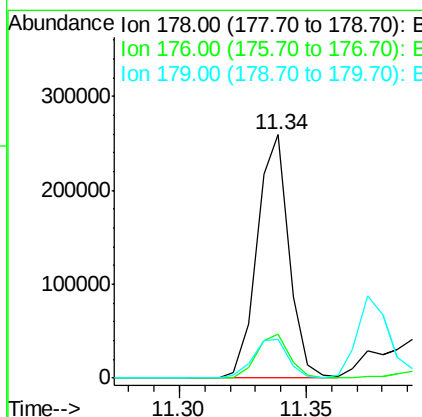
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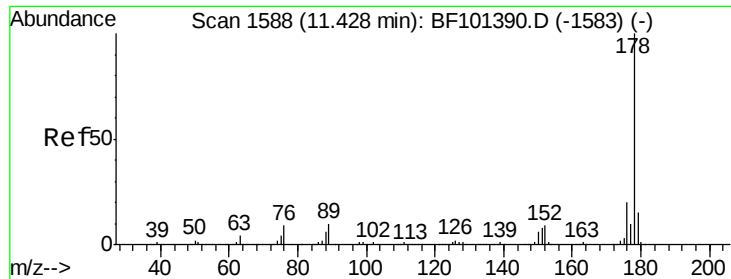
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#70
Phenanthrene
Concen: 8.987 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF101689.D
Acq: 23 Dec 2017 8:35

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	18.1	15.8	23.8
179	15.9	13.0	19.6





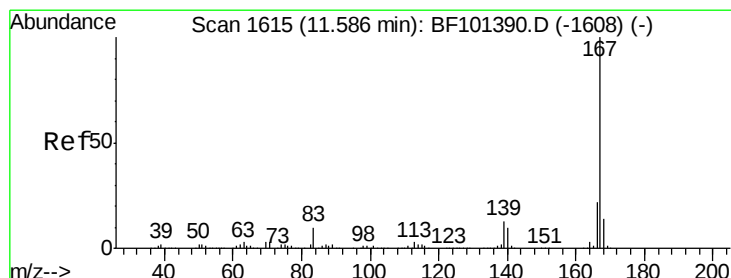
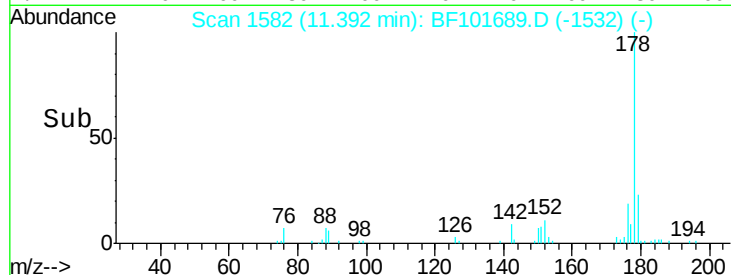
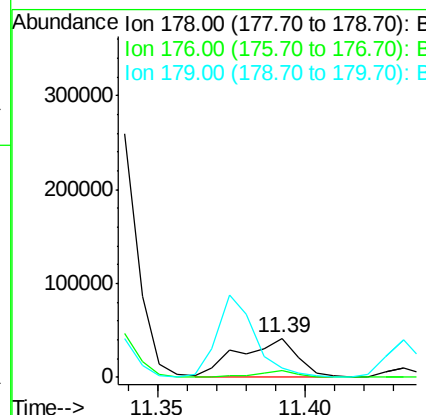
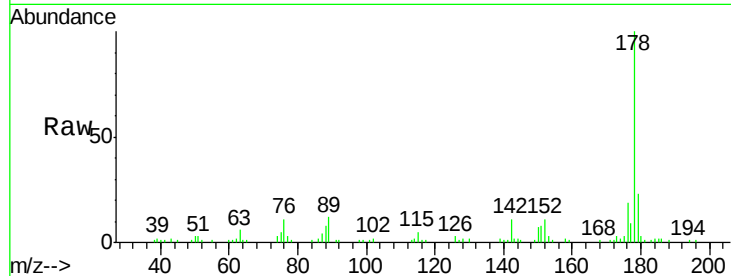
#71
 Anthracene
 Concen: 2.162 ng m
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: BF101689.D
 Acq: 23 Dec 2017 8:35

Instrument :
 BNA_F
 ClientSampleId :
 WC-70-01

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.5	15.4	23.2
179	22.6	12.6	19.0

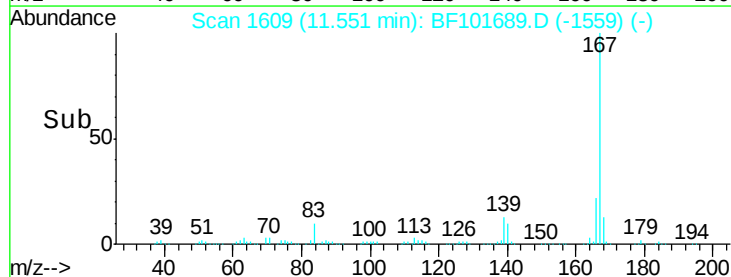
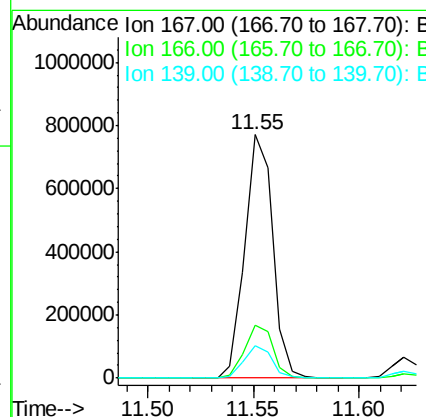
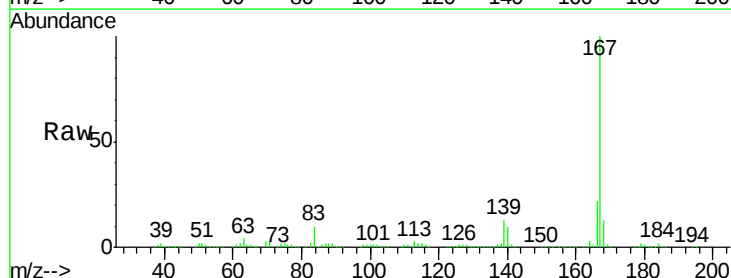
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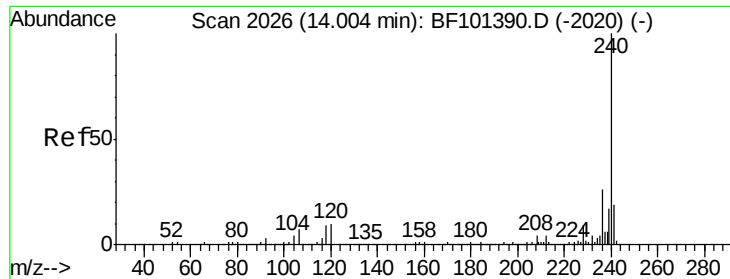
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#72
 Carbazole
 Concen: 29.180 ng
 RT: 11.55 min Scan# 1609
 Delta R.T. -0.01 min
 Lab File: BF101689.D
 Acq: 23 Dec 2017 8:35

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.6	26.4
139	13.4	10.9	16.3





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF101689.D

Acq: 23 Dec 2017 8:35

Instrument :

BNA_F

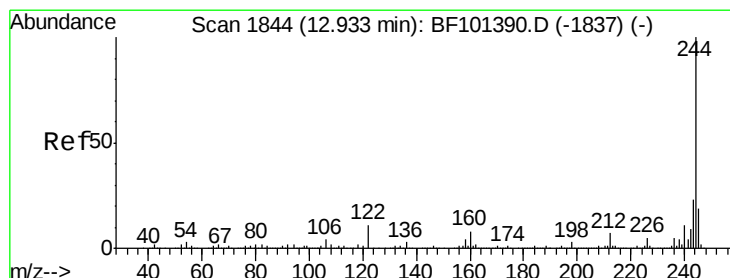
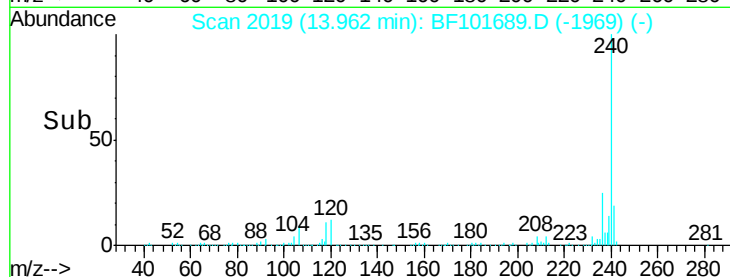
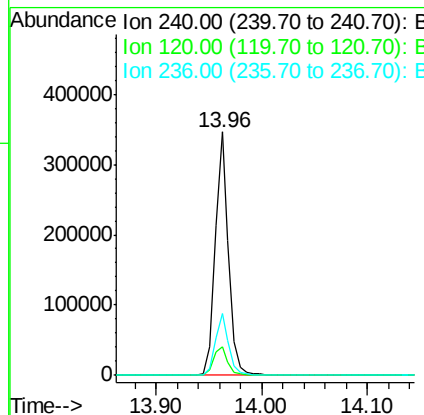
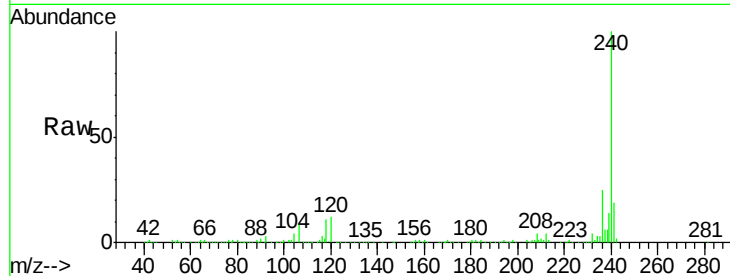
ClientSampleId :

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Tgt Ion	Ratio	Resp	Lower	Upper
240	100	307124		
120	12.0	9.5	14.3	
236	25.5	20.7	31.1	

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#78

Terphenyl-d14

Concen: 93.657 ng

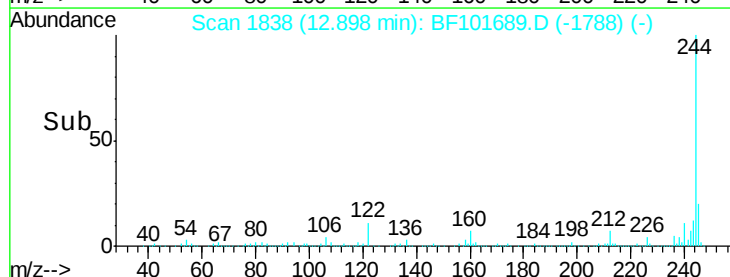
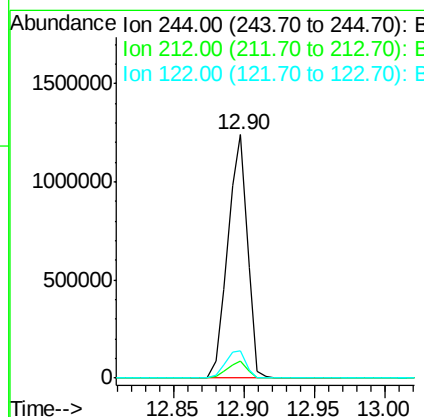
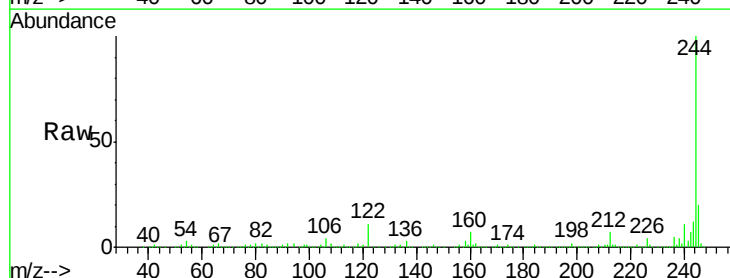
RT: 12.90 min Scan# 1838

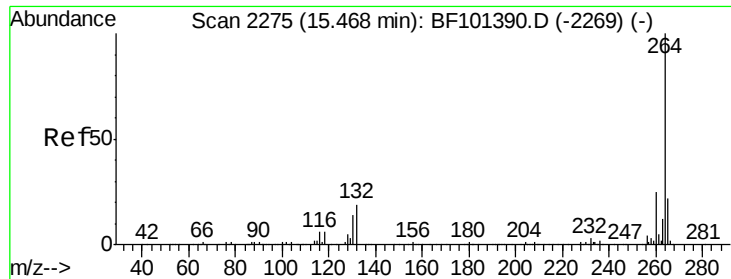
Delta R.T. -0.01 min

Lab File: BF101689.D

Acq: 23 Dec 2017 8:35

Tgt Ion	Ratio	Resp	Lower	Upper
244	100	1193160		
212	7.0	5.4	8.0	
122	11.0	11.0	16.4	





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.00 min
Lab File: BF101689.D
Acq: 23 Dec 2017 8:35

Instrument :
BNA_F
ClientSampleId :
WC-70-01

Tgt Ion	Ratio	Resp	Lower	Upper
264	100	290769		
260	23.3		19.2	28.8
265	20.1		17.5	26.3

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