

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122217\
 Data File : BF101698.D
 Acq On : 23 Dec 2017 12:38
 Operator : SJ/JU
 Sample : I6845-03
 Misc :
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-10257-01

Manual Integrations
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 12/26/2017 1:38:06 PM

Quant Time: Dec 25 03:00:10 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	158721	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	378417	20.00	ng	0.01
38) Acenaphthene-d10	9.82	164	270678	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	456401	20.00	ng	0.00
75) Chrysene-d12	13.96	240	311480	20.00	ng	0.00
86) Perylene-d12	15.43	264	287482	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	1204740	113.06	ng	0.02
7) Phenol-d6	6.44	99	1120665	84.51	ng	0.00
23) Nitrobenzene-d5	7.37	82	1053174	154.92	ng	0.01
41) 2,4,6-Tribromophenol	10.62	330	321664	123.33	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1541719	88.36	ng	0.00
78) Terphenyl-d14	12.90	244	1329309	102.88	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Pyridine	3.56	79	53499m	3.517	ng	
10) Phenol	6.48	94	3425668	226.647	ng	94
17) 2-Methylphenol	7.07	107	1364766	132.366	ng	97
20) 3+4-Methylphenols	7.25	107	3917227	358.528	ng	87
27) 2,4-Dimethylphenol	7.77	122	1800698	327.920	ng	# 94
31) Naphthalene	8.11	128	8991649	471.980	ng	97
37) 2-Methylnaphthalene	8.79	142	937831	75.558	ng	98
45) 1,1'-Biphenyl	9.25	154	203220	8.466	ng	98
48) Acenaphthylene	9.69	152	1370886	47.254	ng	99
51) Acenaphthene	9.86	154	88338	5.068	ng	95
54) Dibenzofuran	10.03	168	451328	20.376	ng	98
57) Fluorene	10.37	166	405105	21.619	ng	98
70) Phenanthrene	11.34	178	450912	17.766	ng	99
71) Anthracene	11.39	178	112309m	4.332	ng	
72) Carbazole	11.56	167	1043625	42.994	ng	99
74) Fluoranthene	12.53	202	61762	2.318	ng	96

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

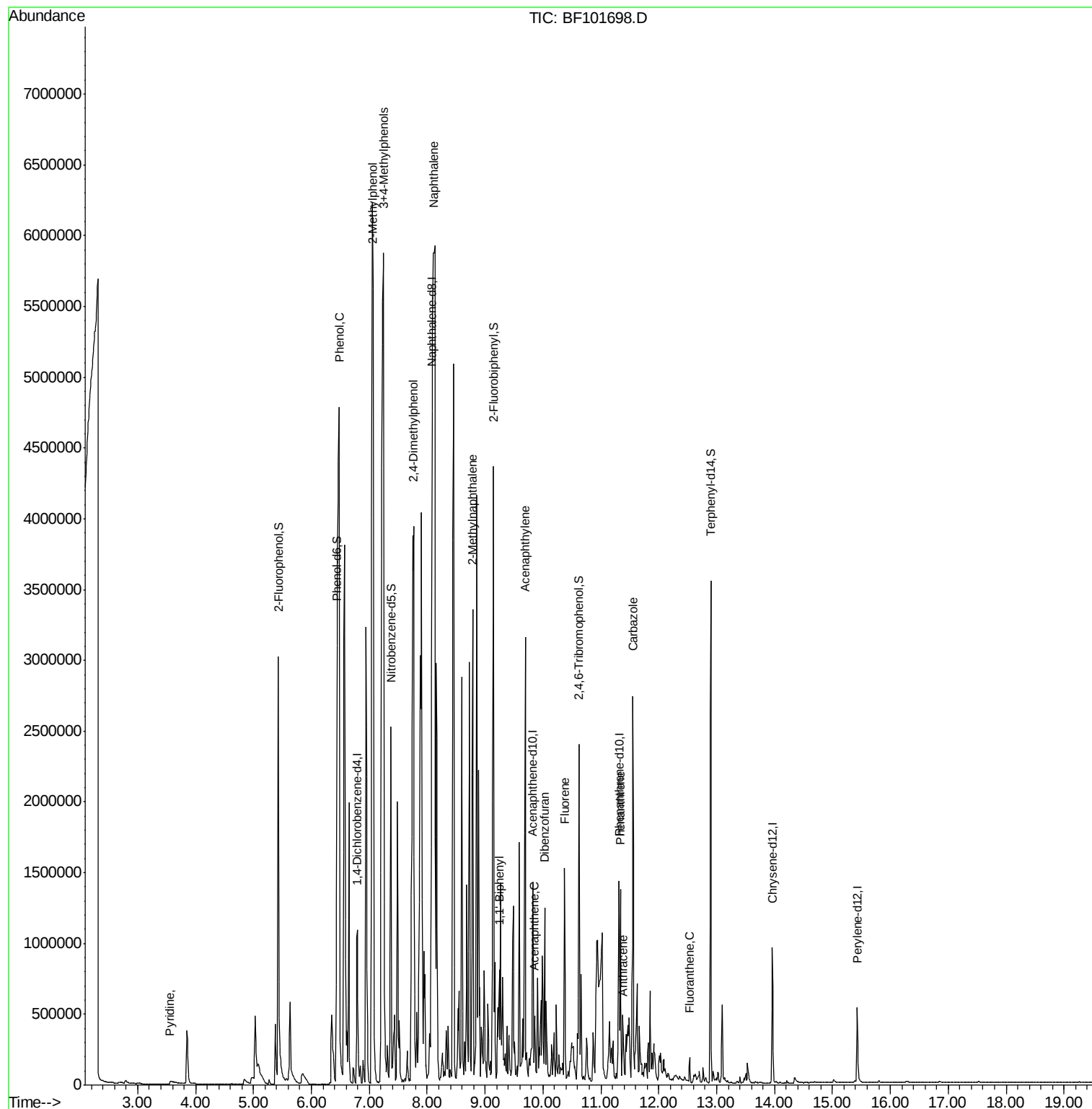
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122217\
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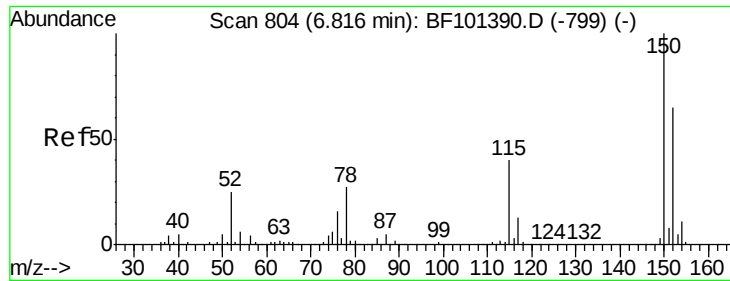
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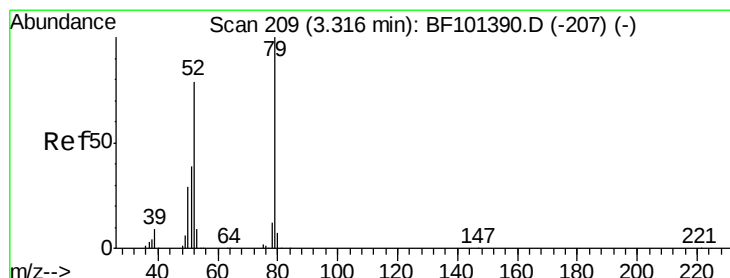
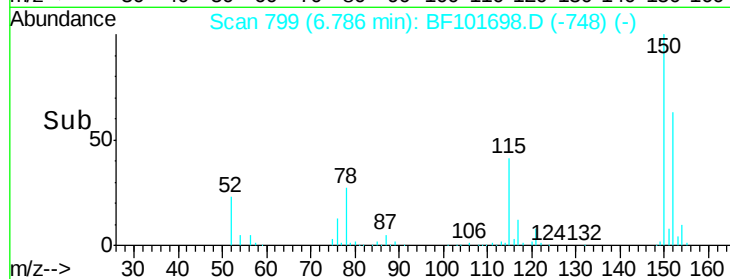
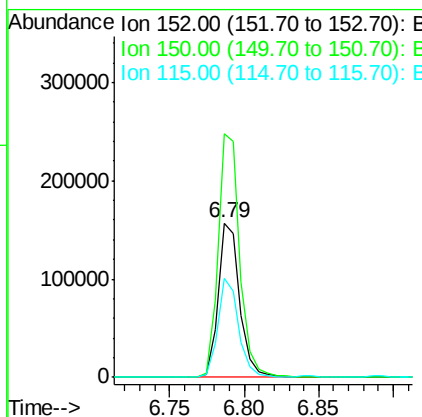
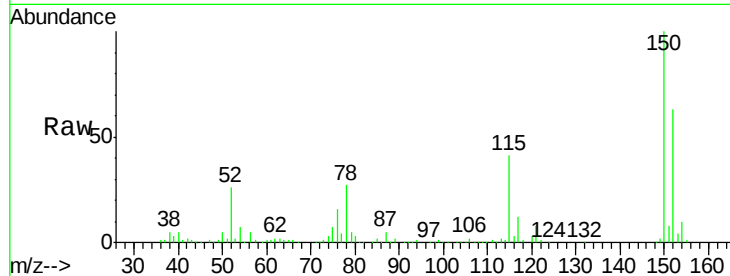
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.00 min
Lab File: BF101698.D
Acq: 23 Dec 2017 12:38

Instrument :
BNA_F
ClientSampleId :
WC-10257-01

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	158721		
150	158.1	124.6	186.8	
115	64.3	50.1	75.1	

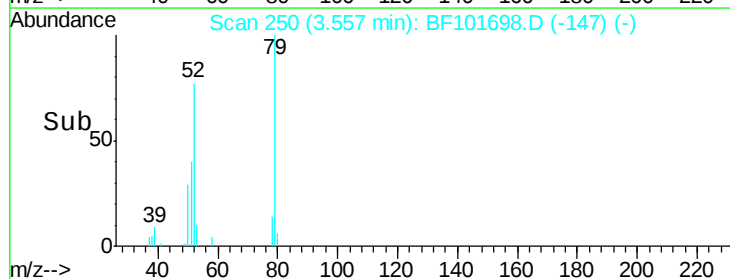
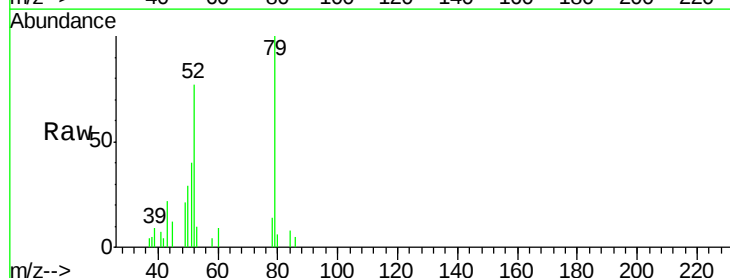
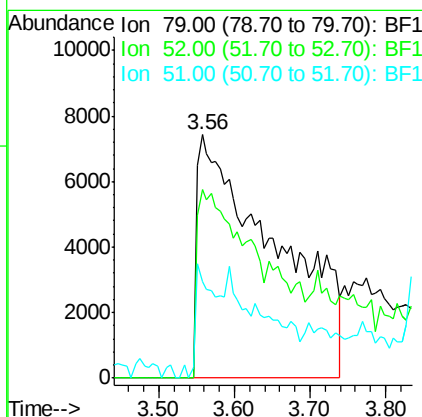
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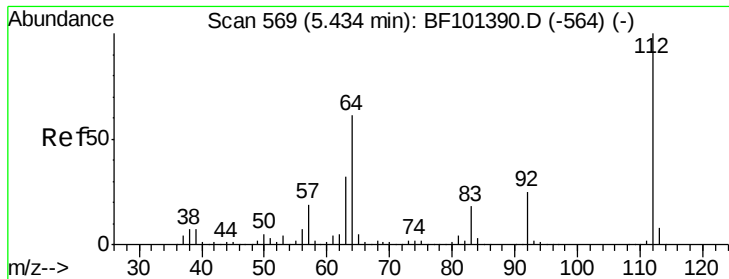
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#3
Pyridine
Concen: 3.517 ng m
RT: 3.56 min Scan# 250
Delta R.T. 0.31 min
Lab File: BF101698.D
Acq: 23 Dec 2017 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
79	100	53499		
52	77.4	59.8	89.6	
51	39.5	29.8	44.8	





#5

2-Fluorophenol

Concen: 113.063 ng

RT: 5.43 min Scan# 568

Delta R.T. 0.02 min

Lab File: BF101698.D

Acq: 23 Dec 2017 12:38

Instrument :

BNA_F

ClientSampled :

WC-10257-01

Tgt Ion: 112 Resp: 1204740

Ion Ratio Lower Upper

112 100

64 60.0 47.9 71.9

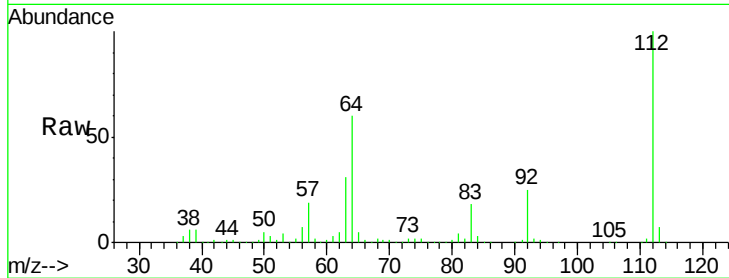
63 31.0 23.7 35.5

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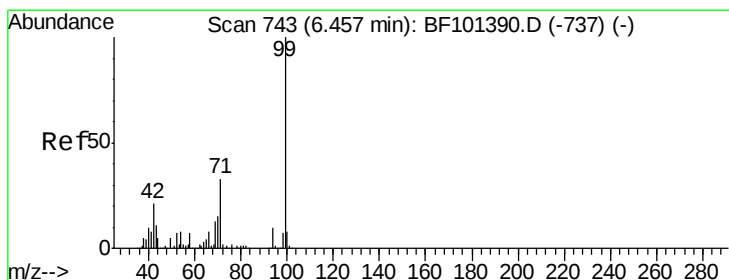
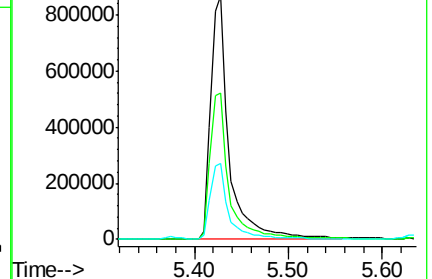
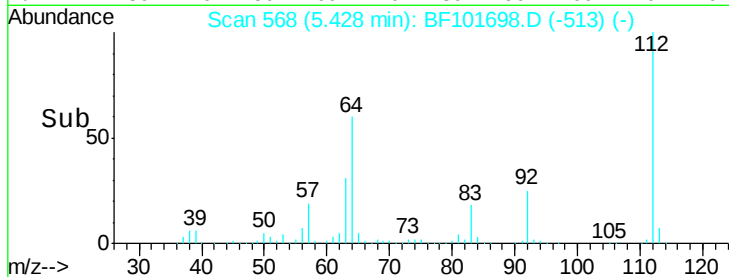
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#7

Phenol-d6

Concen: 84.508 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF101698.D

Acq: 23 Dec 2017 12:38

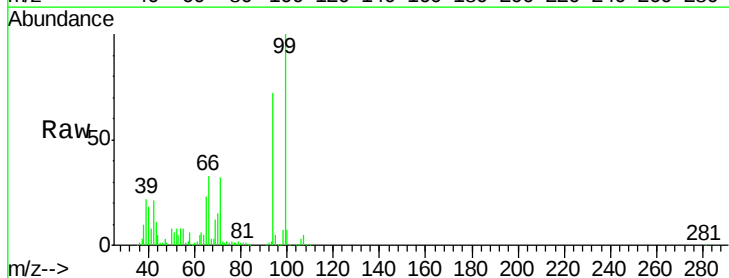
Tgt Ion: 99 Resp: 1120665

Ion Ratio Lower Upper

99 100

42 20.9 14.5 21.7

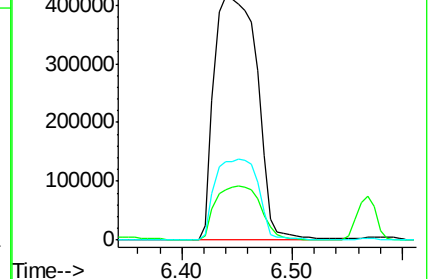
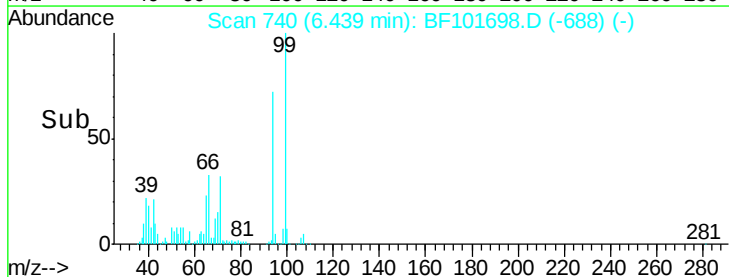
71 32.2 25.4 38.0

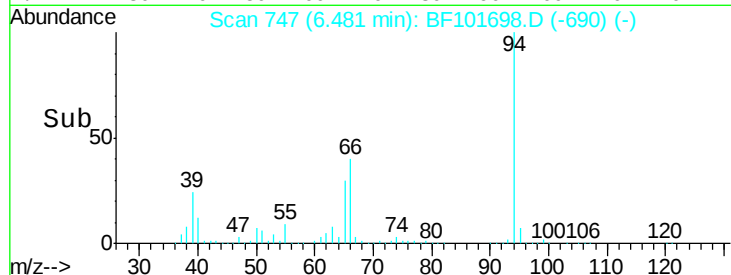
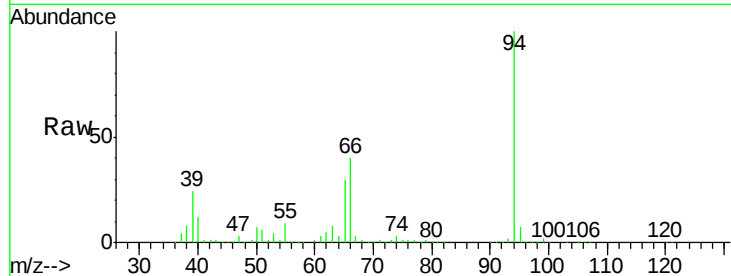
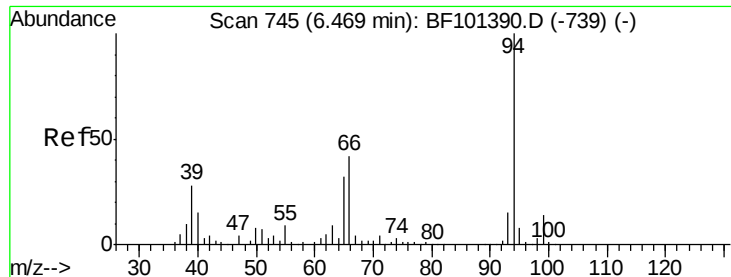


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#10

Phenol

Concen: 226.647 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.04 min

Lab File: BF101698.D

Acq: 23 Dec 2017 12:38

Tgt Ion: 94 Resp: 3425668

Ion Ratio Lower Upper

94 100

65 29.9 7.9 47.9

66 40.3 16.2 56.2

Instrument :

BNA_F

ClientSampleId :

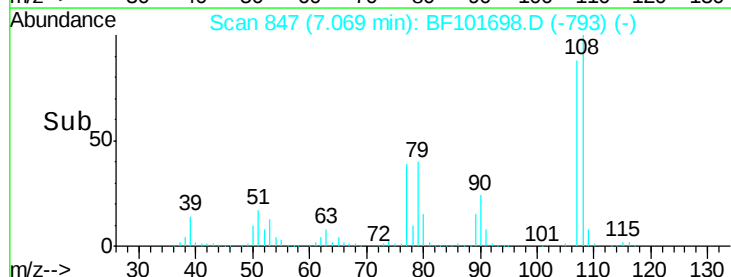
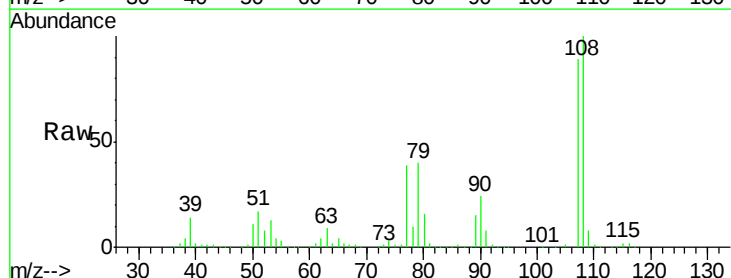
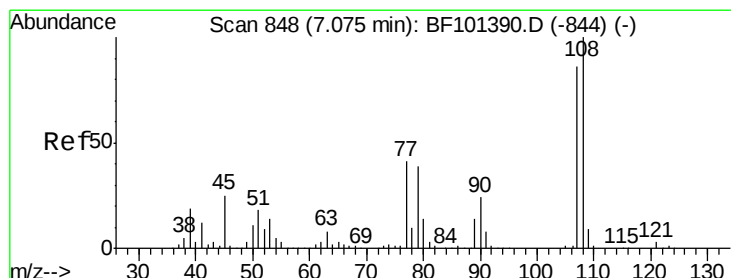
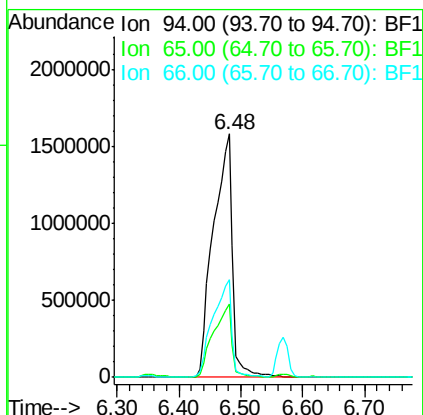
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#17

2-Methylphenol

Concen: 132.366 ng

RT: 7.07 min Scan# 847

Delta R.T. 0.02 min

Lab File: BF101698.D

Acq: 23 Dec 2017 12:38

Tgt Ion: 107 Resp: 1364766

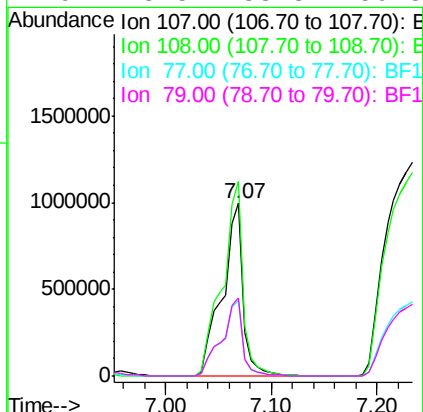
Ion Ratio Lower Upper

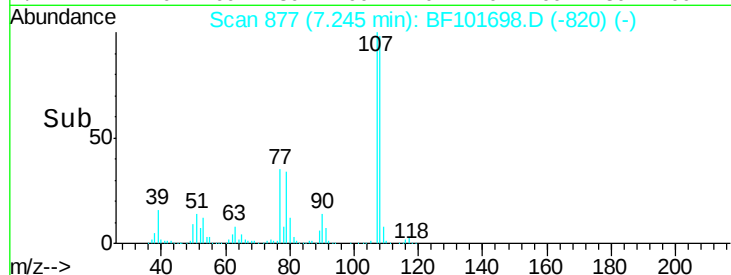
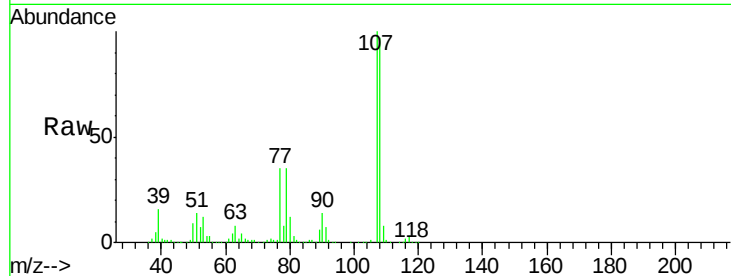
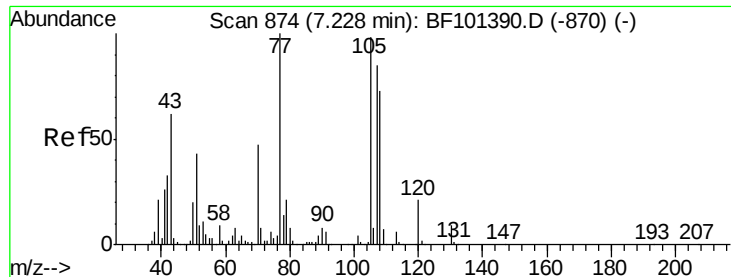
107 100

108 112.7 91.7 137.5

77 44.1 33.8 50.8

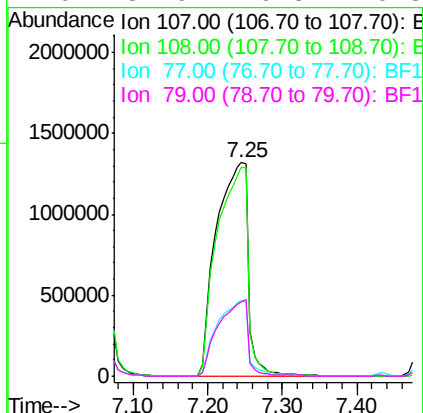
79 45.5 33.8 50.8





#20
3+4-Methylphenols
Concen: 358.528 ng
RT: 7.25 min Scan# 877
Delta R.T. 0.04 min
Lab File: BF101698.D
Acq: 23 Dec 2017 12:38

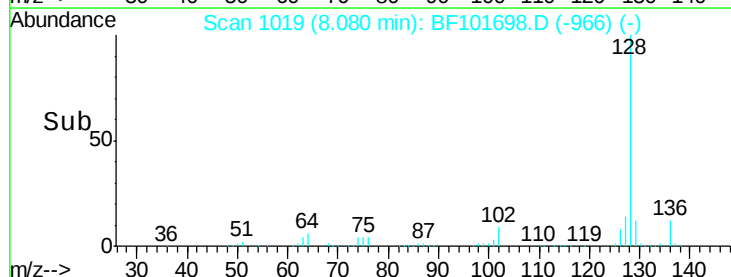
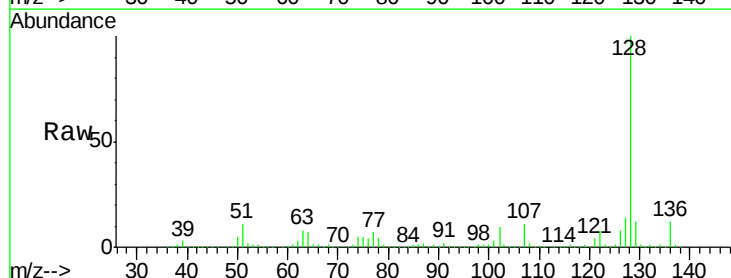
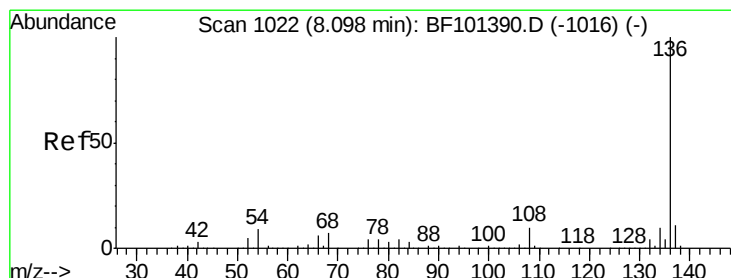
Tgt Ion	Ratio	Lower	Upper
107	100		
108	97.5	68.2	108.2
77	35.2	26.7	66.7
79	34.9	6.3	46.3



Instrument :
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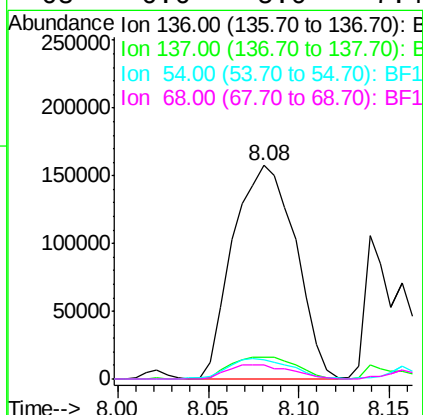
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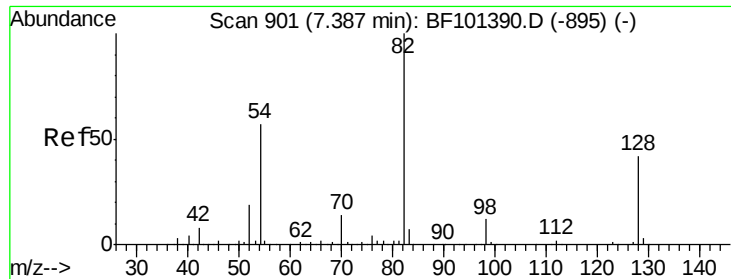
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. 0.01 min
Lab File: BF101698.D
Acq: 23 Dec 2017 12:38

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	9.2	6.6	9.8
68	6.6	5.0	7.4





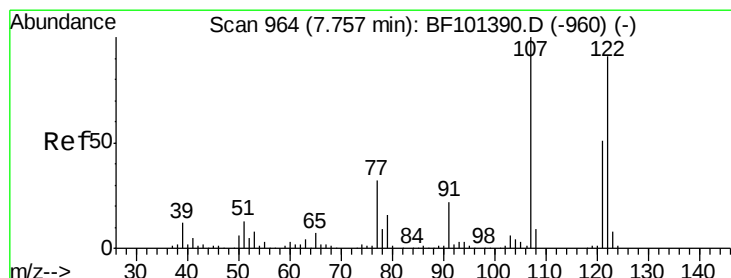
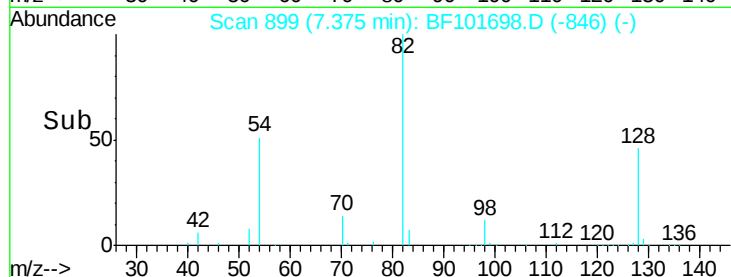
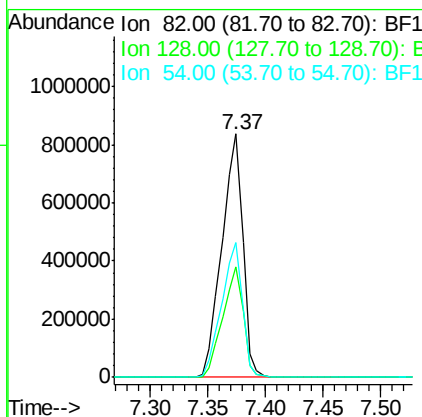
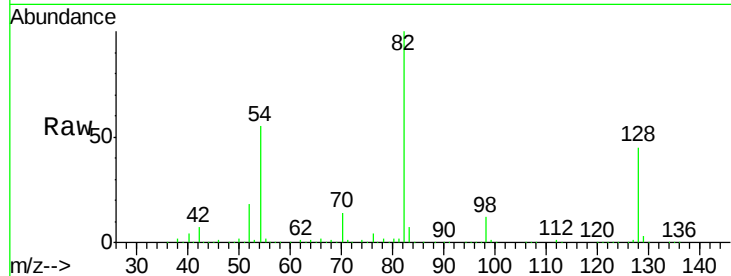
#23
 Nitrobenzene-d5
 Concen: 154.924 ng
 RT: 7.37 min Scan# 899
 Delta R.T. 0.01 min
 Lab File: BF101698.D
 Acq: 23 Dec 2017 12:38

Instrument :
 BNA_F
 ClientSampleId :
 WC-10257-01

Tgt Ion: 82 Resp: 1053174
 Ion Ratio Lower Upper
 82 100
 128 45.2 36.1 54.1
 54 55.3 41.4 62.2

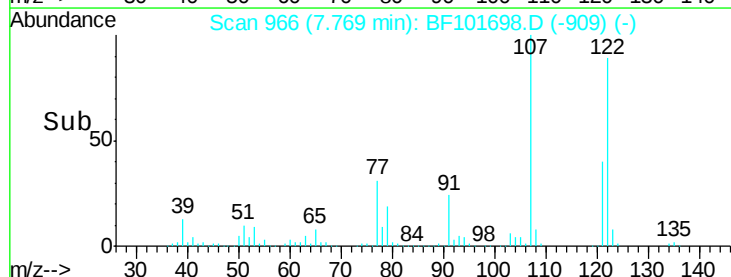
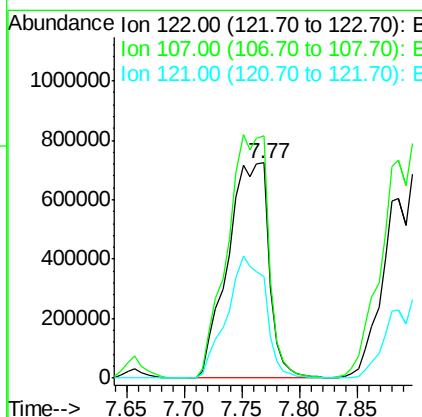
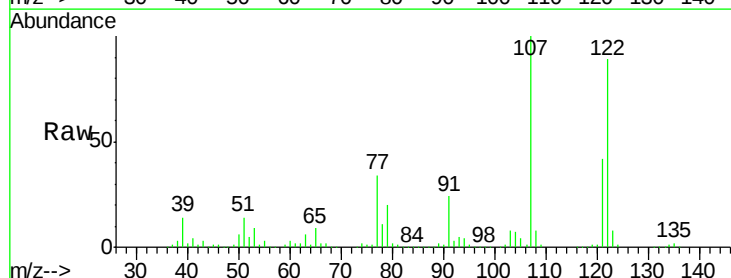
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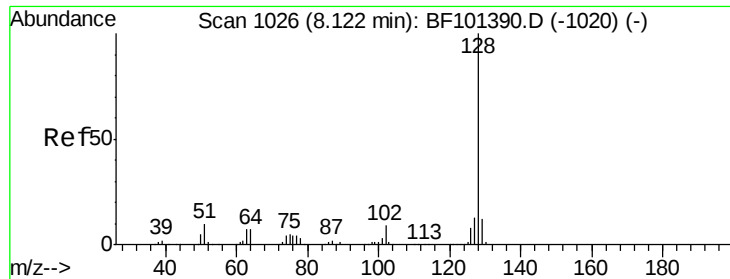
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#27
 2,4-Dimethylphenol
 Concen: 327.920 ng
 RT: 7.77 min Scan# 966
 Delta R.T. 0.04 min
 Lab File: BF101698.D
 Acq: 23 Dec 2017 12:38

Tgt Ion: 122 Resp: 1800698
 Ion Ratio Lower Upper
 122 100
 107 112.5 91.2 136.8
 121 47.0 47.2 70.8#





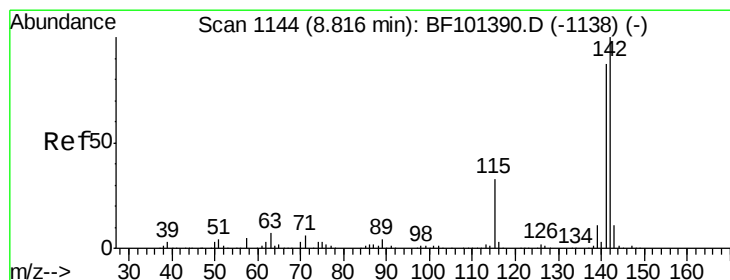
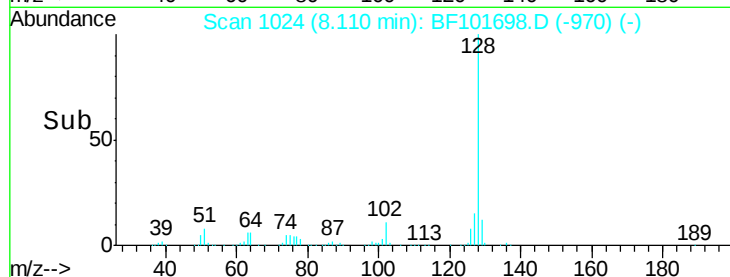
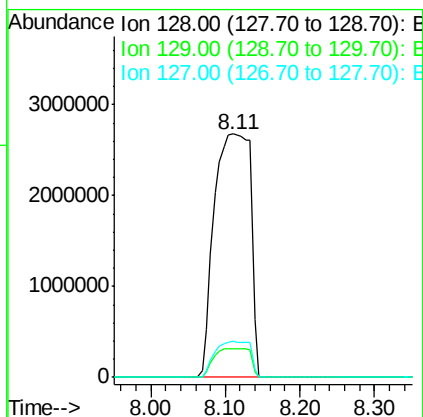
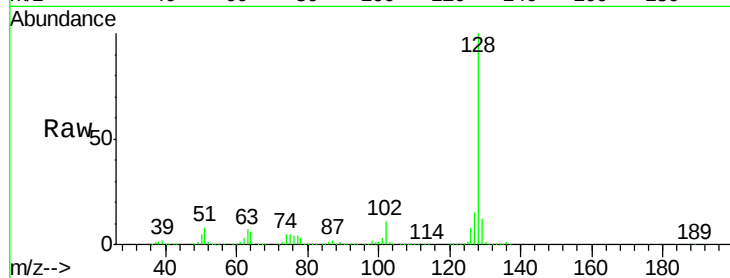
#31
Naphthalene
Concen: 471.980 ng
RT: 8.11 min Scan# 1024
Delta R.T. 0.02 min
Lab File: BF101698.D
Acq: 23 Dec 2017 12:38

Instrument :
BNA_F
ClientSampleId :
WC-10257-01

Tgt Ion:128 Resp: 8991649
Ion Ratio Lower Upper
128 100
129 12.0 8.8 13.2
127 14.7 10.9 16.3

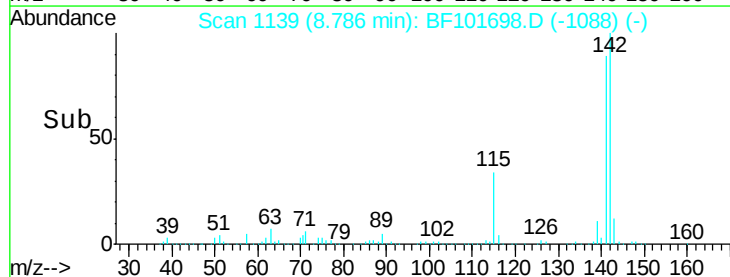
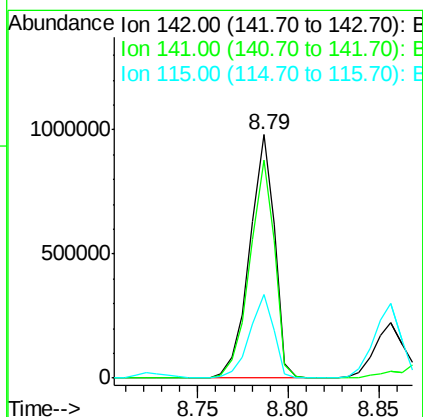
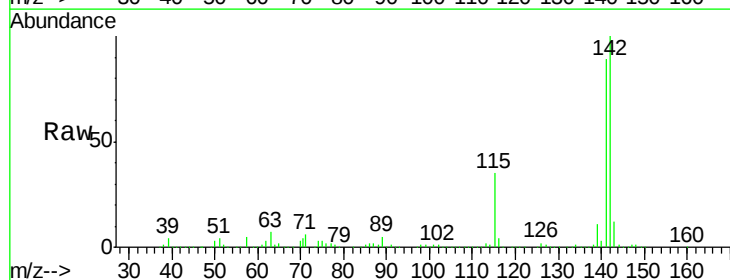
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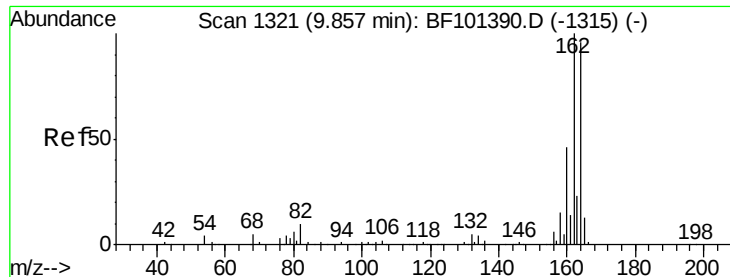
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#37
2-Methylnaphthalene
Concen: 75.558 ng
RT: 8.79 min Scan# 1139
Delta R.T. -0.00 min
Lab File: BF101698.D
Acq: 23 Dec 2017 12:38

Tgt Ion:142 Resp: 937831
Ion Ratio Lower Upper
142 100
141 89.4 70.8 106.2
115 34.5 26.1 39.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF101698.D

Acq: 23 Dec 2017 12:38

Instrument :

BNA_F

ClientSampleId :

WC-10257-01

Tgt Ion:164 Resp: 270678

Ion Ratio Lower Upper

164 100

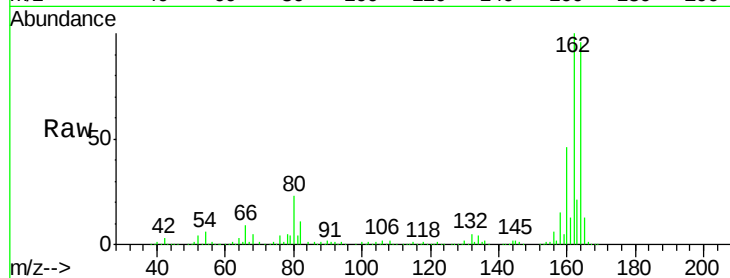
162 104.6 86.1 129.1

160 47.7 38.3 57.5

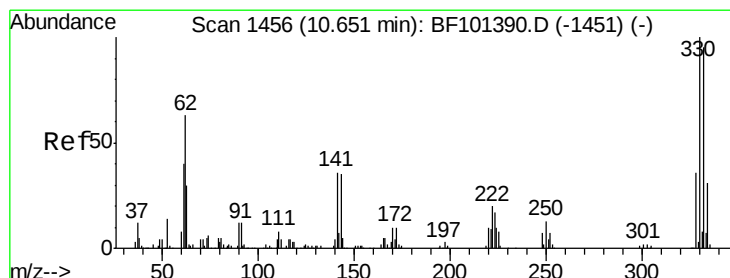
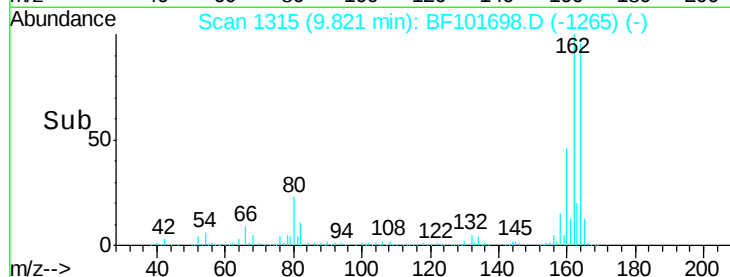
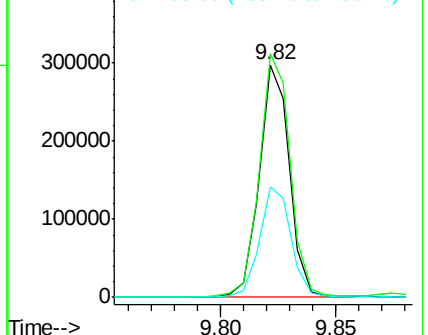
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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 123.328 ng

RT: 10.62 min Scan# 1451

Delta R.T. -0.00 min

Lab File: BF101698.D

Acq: 23 Dec 2017 12:38

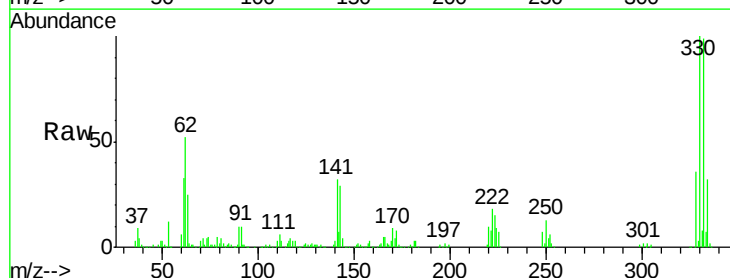
Tgt Ion:330 Resp: 321664

Ion Ratio Lower Upper

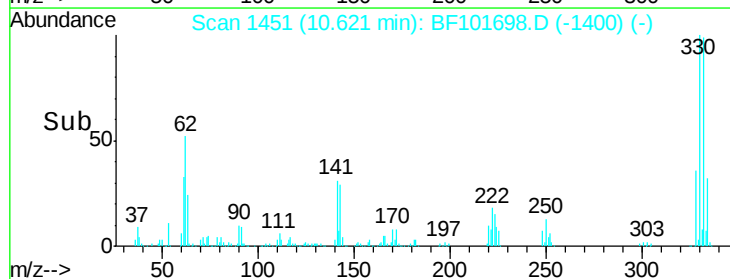
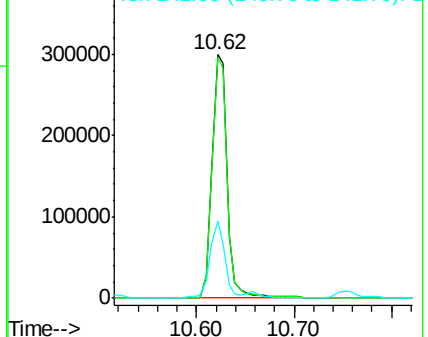
330 100

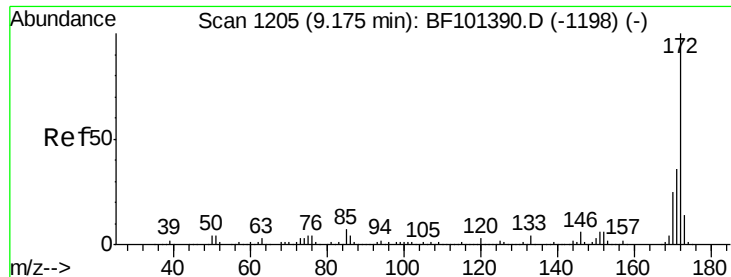
332 98.4 77.0 115.6

141 30.7 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





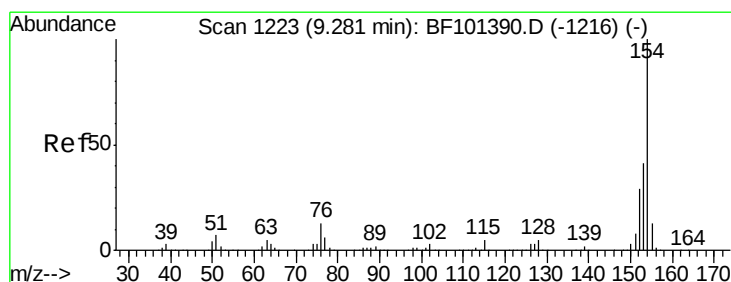
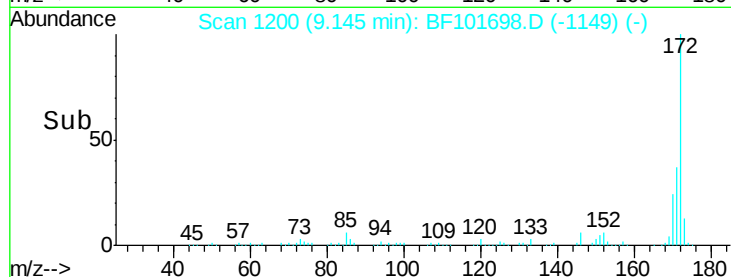
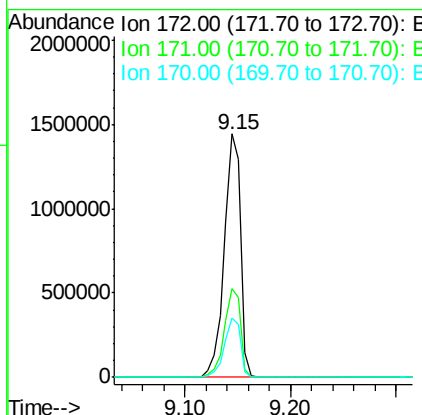
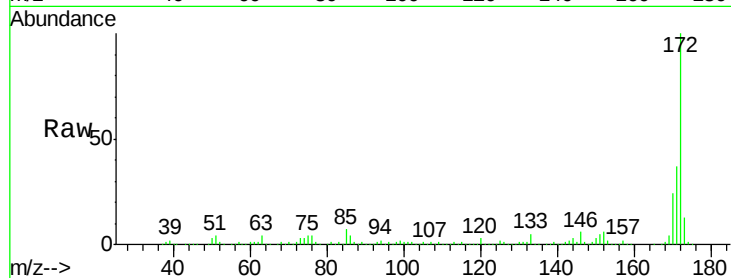
#44
 2-Fluorobiphenyl
 Concen: 88.355 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. -0.00 min
 Lab File: BF101698.D
 Acq: 23 Dec 2017 12:38

Instrument :
 BNA_F
 ClientSampleId :
 WC-10257-01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	24.2	19.6	29.4

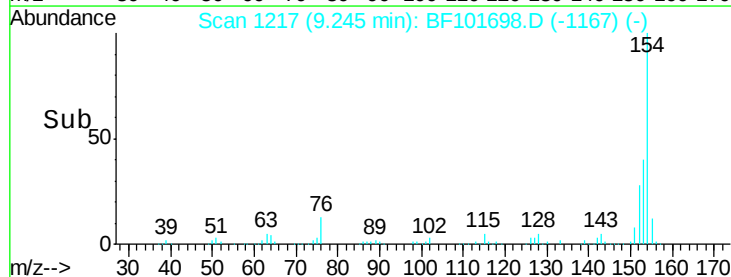
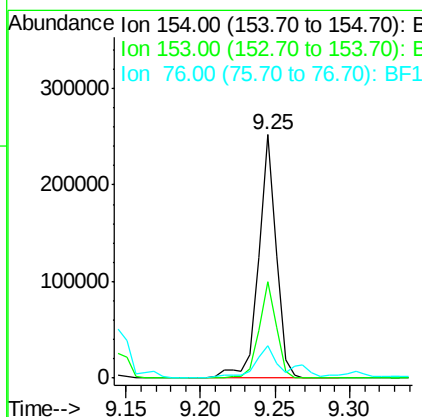
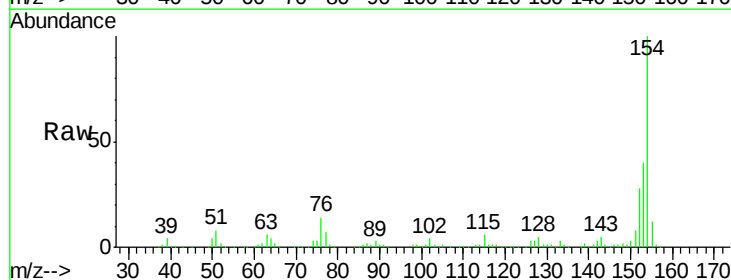
Manual Integrations
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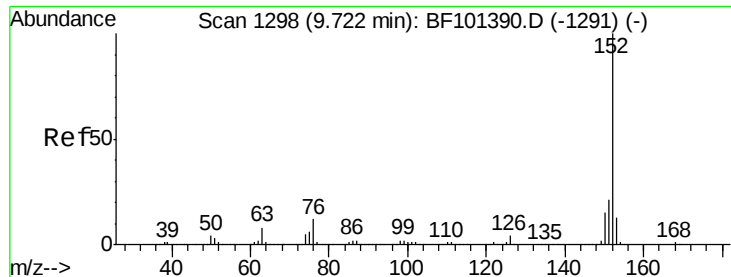
Sohil
 12/26/2017 1:38:06 PM



#45
 1,1'-Biphenyl
 Concen: 8.466 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF101698.D
 Acq: 23 Dec 2017 12:38

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.9	21.3	61.3
76	13.5	0.0	34.0





#48

Acenaphthylene

Concen: 47.254 ng

RT: 9.69 min Scan# 1293

Delta R.T. -0.00 min

Lab File: BF101698.D

Acq: 23 Dec 2017 12:38

Instrument :

BNA_F

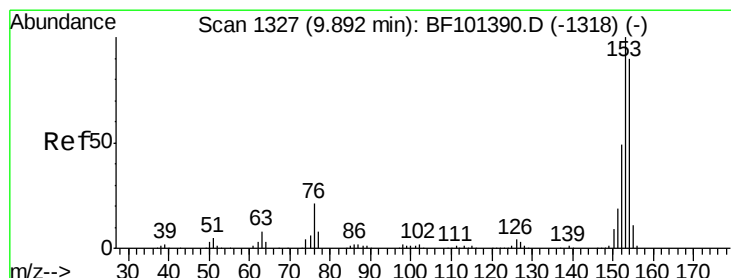
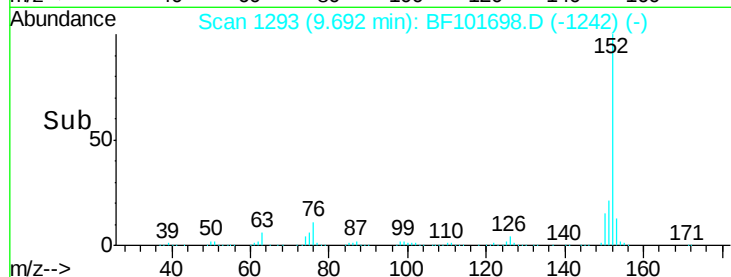
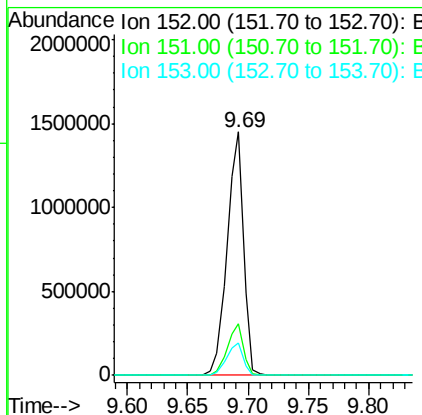
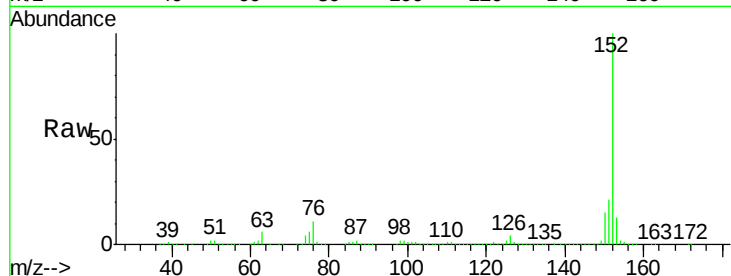
ClientSampleId :

WC-10257-01

Tgt Ion:	152	Resp:	1370886
Ion	Ratio	Lower	Upper
152	100		
151	21.2	16.3	24.5
153	13.4	10.7	16.1

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#51

Acenaphthene

Concen: 5.068 ng

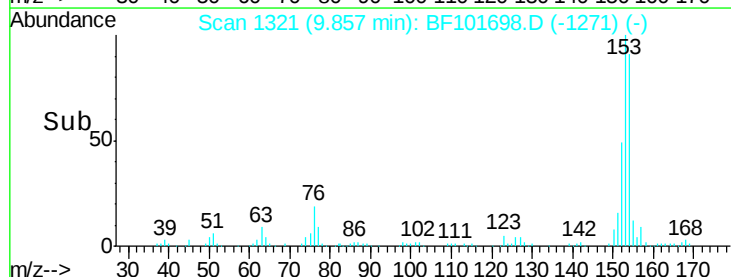
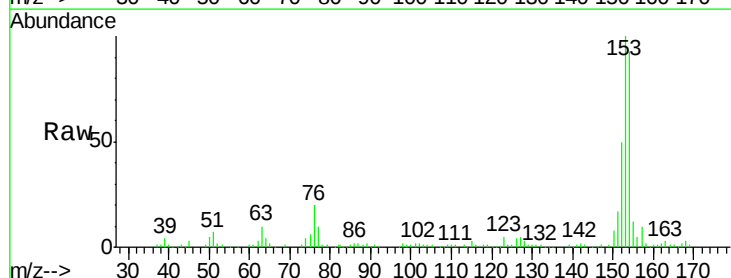
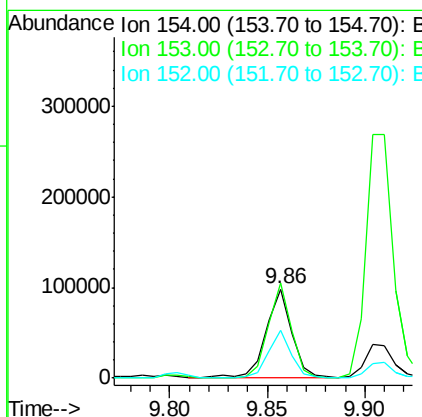
RT: 9.86 min Scan# 1321

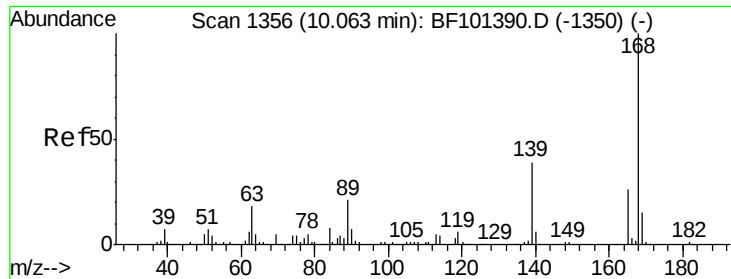
Delta R.T. -0.01 min

Lab File: BF101698.D

Acq: 23 Dec 2017 12:38

Tgt Ion:	154	Resp:	88338
Ion	Ratio	Lower	Upper
154	100		
153	107.6	91.2	136.8
152	53.6	43.8	65.8





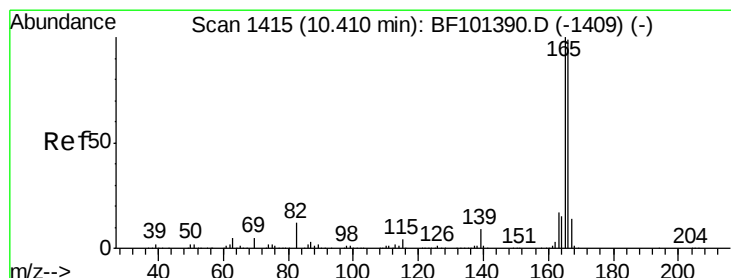
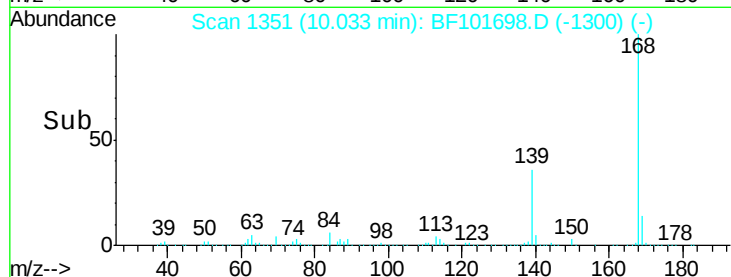
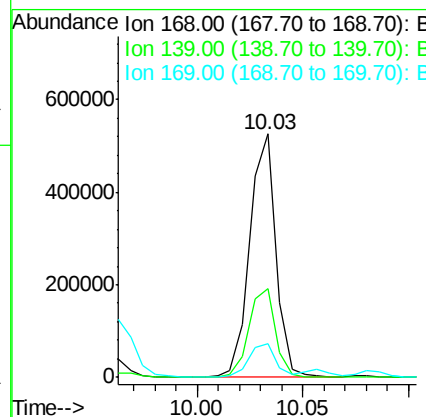
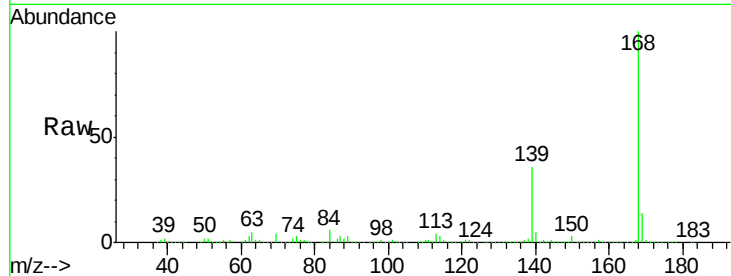
#54
Dibenzofuran
Concen: 20.376 ng
RT: 10.03 min Scan# 1351
Delta R.T. -0.00 min
Lab File: BF101698.D
Acq: 23 Dec 2017 12:38

Instrument :
BNA_F
ClientSampleId :
WC-10257-01

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	451328		
139	36.3	30.1	45.1	
169	13.7	10.9	16.3	

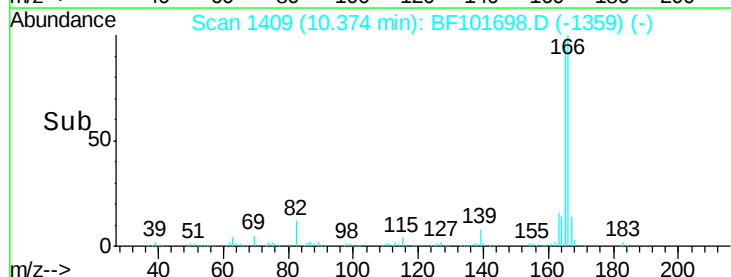
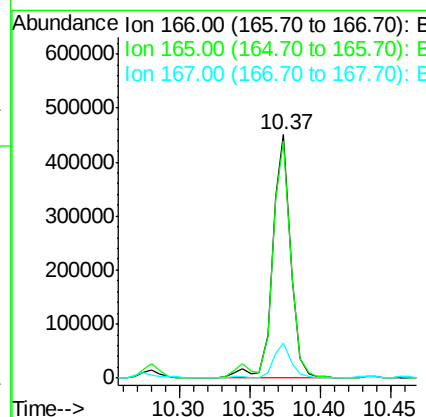
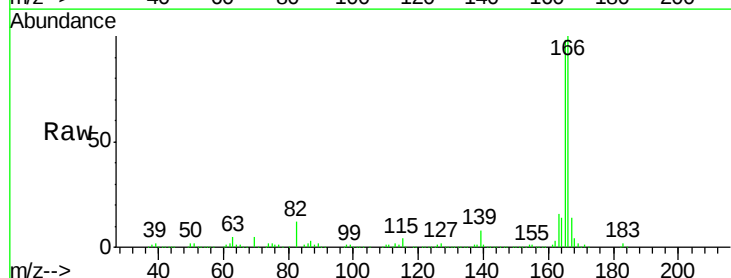
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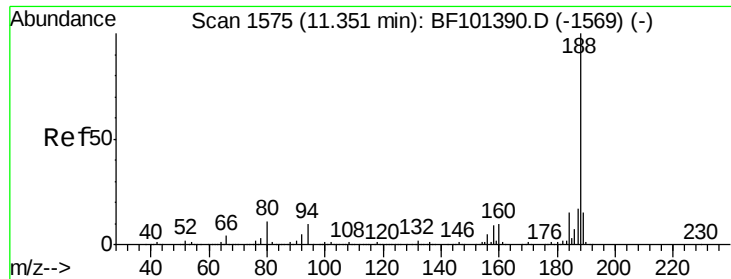
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#57
Fluorene
Concen: 21.619 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.01 min
Lab File: BF101698.D
Acq: 23 Dec 2017 12:38

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	405105		
165	97.5	79.8	119.8	
167	14.3	10.6	16.0	





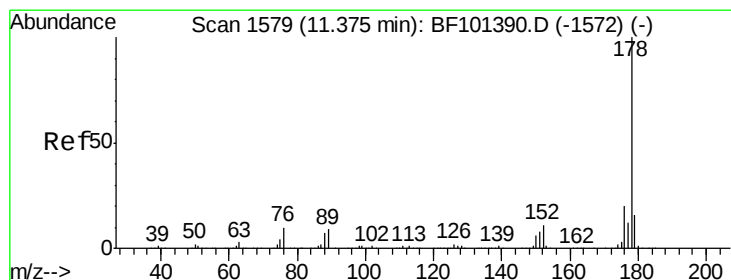
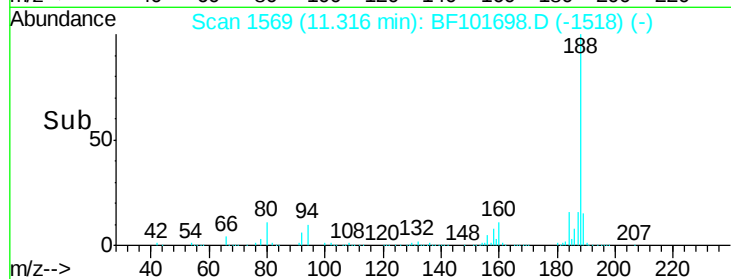
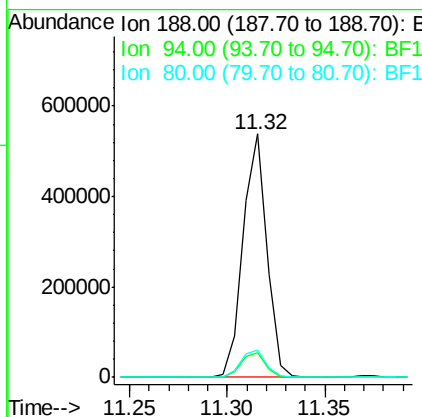
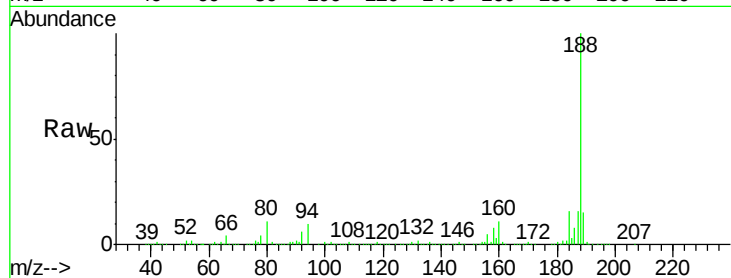
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.00 min
Lab File: BF101698.D
Acq: 23 Dec 2017 12:38

Instrument :
BNA_F
ClientSampleId :
WC-10257-01

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.1	8.5	12.7
80	11.2	9.2	13.8

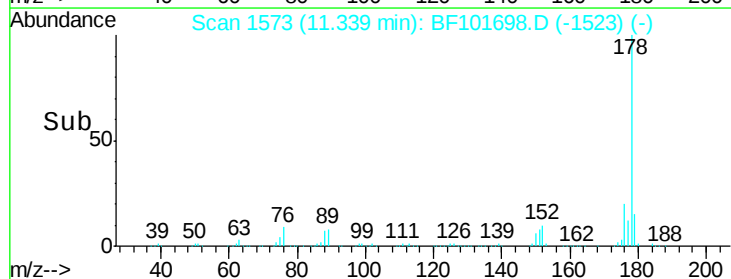
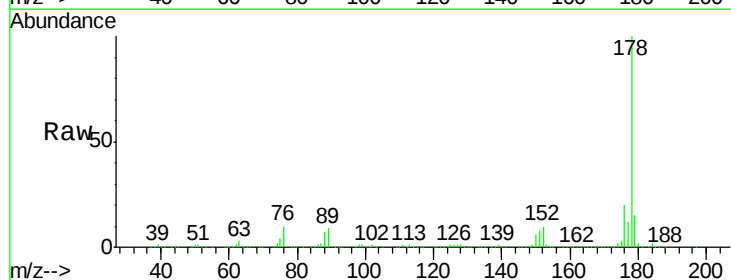
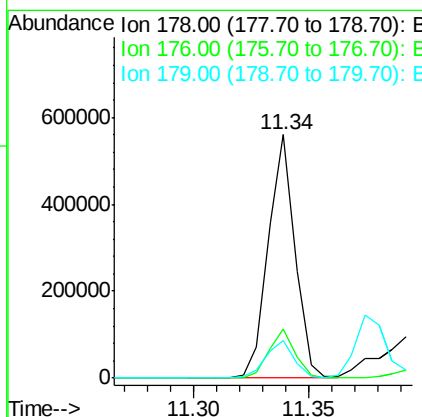
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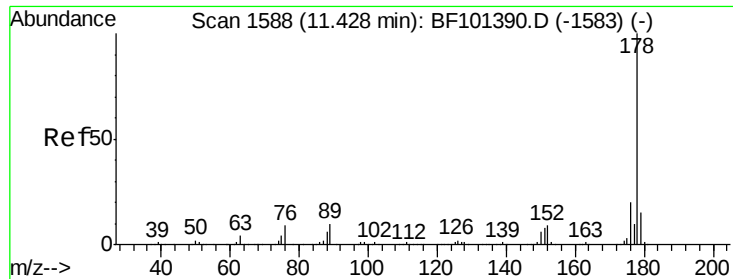
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#70
Phenanthrene
Concen: 17.766 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF101698.D
Acq: 23 Dec 2017 12:38

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.9	15.8	23.8
179	15.5	13.0	19.6





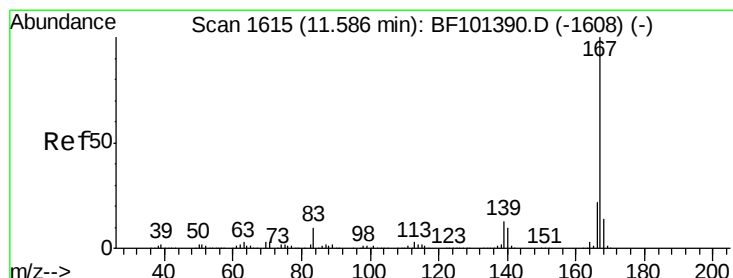
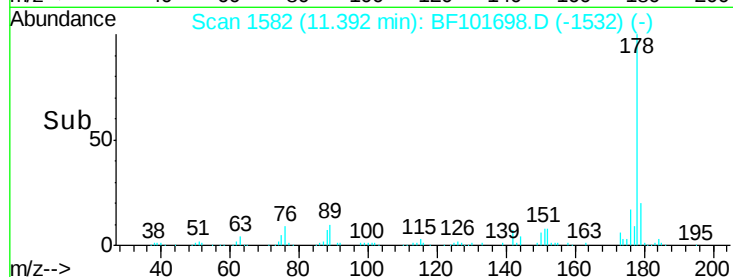
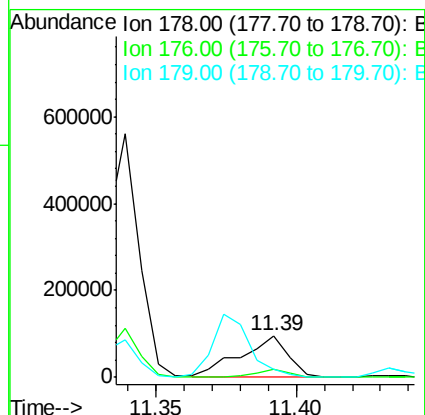
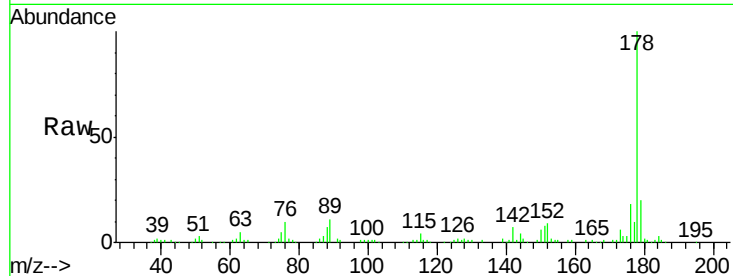
#71
 Anthracene
 Concen: 4.332 ng m
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: BF101698.D
 Acq: 23 Dec 2017 12:38

Instrument :
 BNA_F
 ClientSampleId :
 WC-10257-01

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.9	15.4	23.2
179	20.2	12.6	19.0

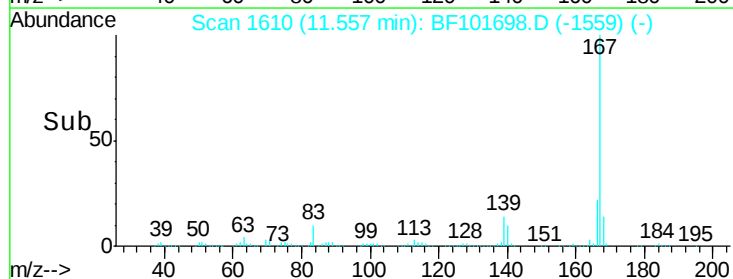
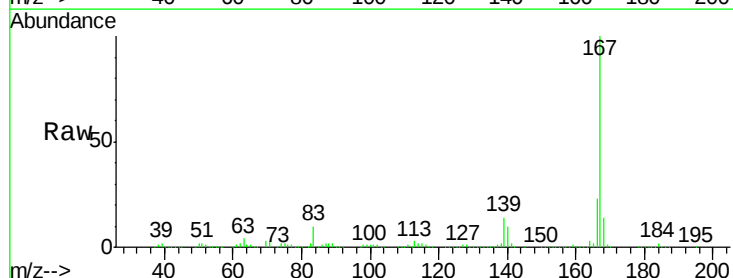
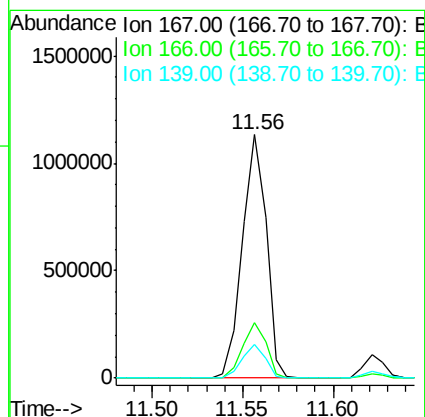
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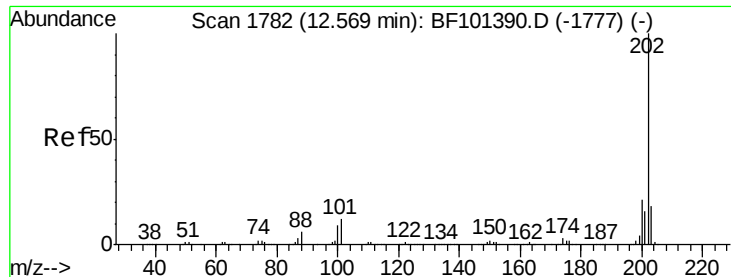
Sohil
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#72
 Carbazole
 Concen: 42.994 ng
 RT: 11.56 min Scan# 1610
 Delta R.T. -0.00 min
 Lab File: BF101698.D
 Acq: 23 Dec 2017 12:38

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.6	17.6	26.4
139	13.6	10.9	16.3





#74

Fluoranthene

Concen: 2.318 ng

RT: 12.53 min Scan# 1776

Delta R.T. -0.00 min

Lab File: BF101698.D

Acq: 23 Dec 2017 12:38

Instrument :

BNA_F

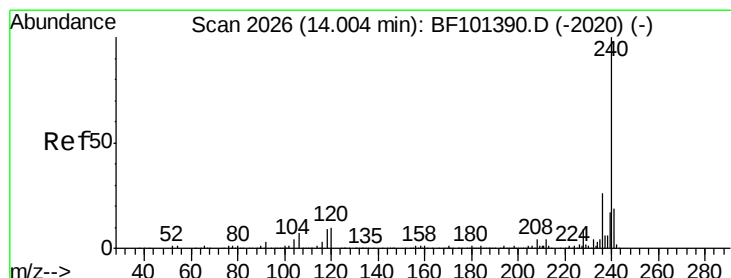
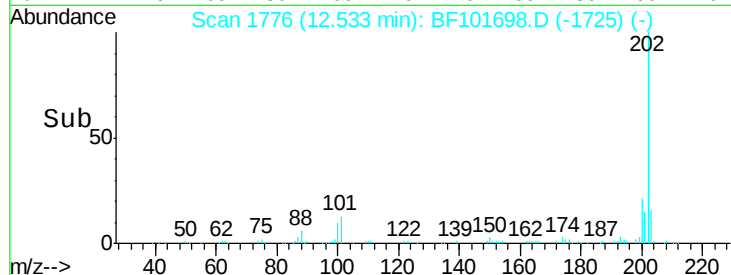
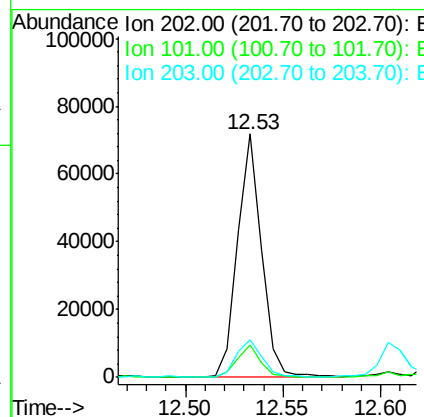
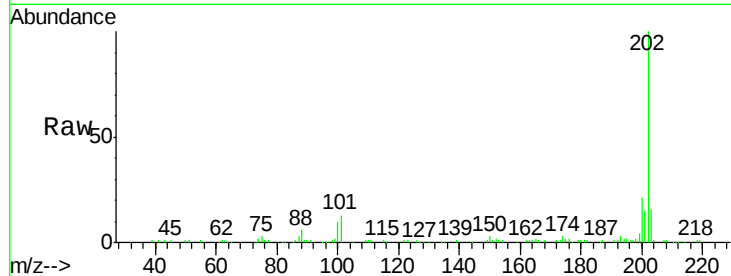
ClientSampled :

WC-10257-01

Tgt Ion:	202	Resp:	61762
Ion Ratio	Lower	Upper	
202	100		
101	13.5	0.0	34.1
203	15.6	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

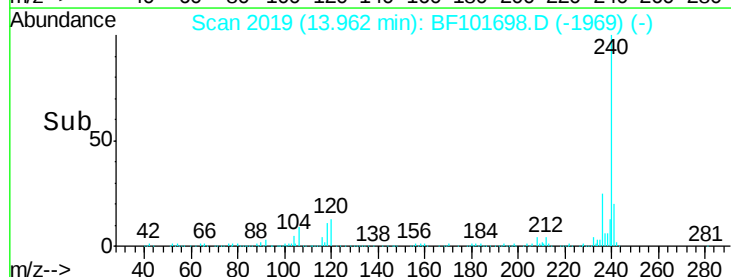
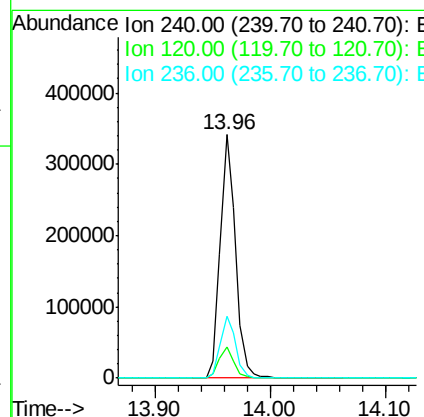
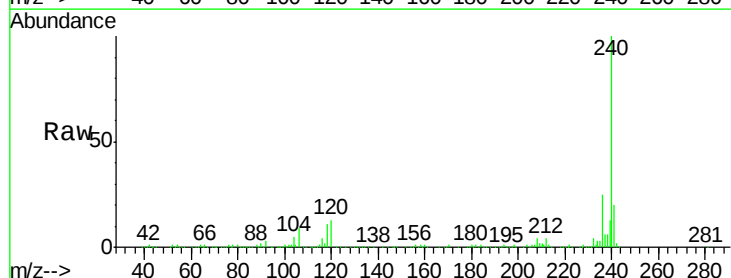
RT: 13.96 min Scan# 2019

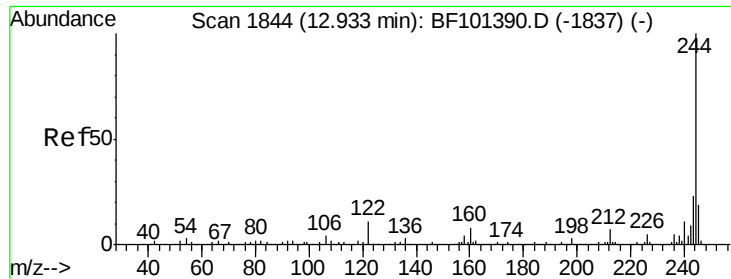
Delta R.T. -0.01 min

Lab File: BF101698.D

Acq: 23 Dec 2017 12:38

Tgt Ion:	240	Resp:	311480
Ion Ratio	Lower	Upper	
240	100		
120	13.0	9.5	14.3
236	25.3	20.7	31.1





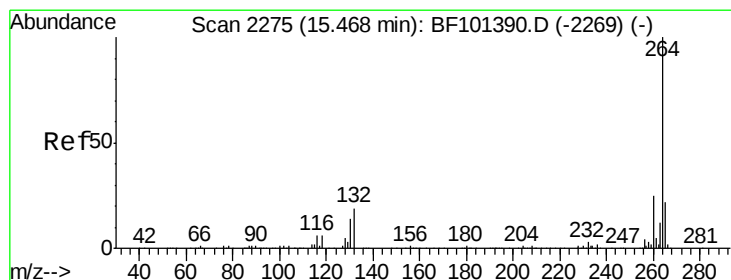
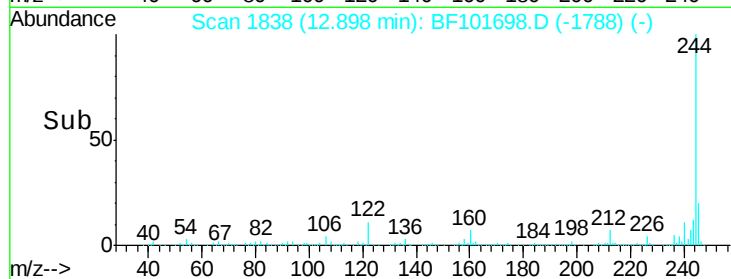
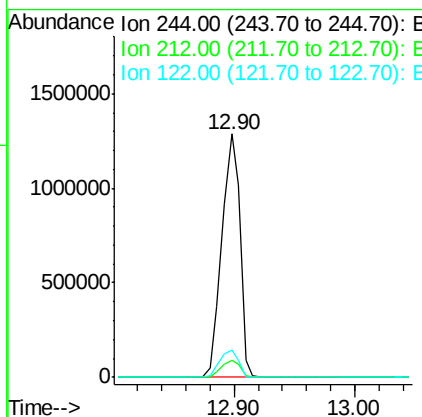
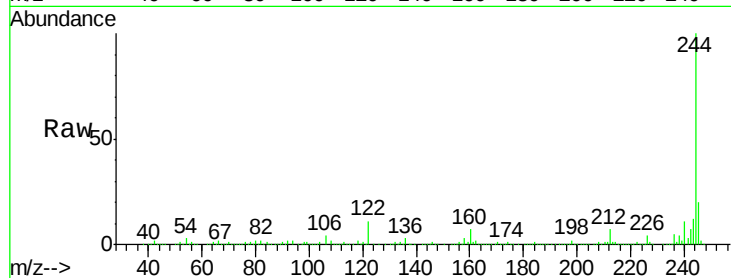
#78
 Terphenyl-d14
 Concen: 102.885 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. -0.01 min
 Lab File: BF101698.D
 Acq: 23 Dec 2017 12:38

Instrument :
 BNA_F
 ClientSampleId :
 WC-10257-01

Tgt Ion: 244 Resp: 1329309
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.0
 122 11.0 11.0 16.4

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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2268
 Delta R.T. -0.00 min
 Lab File: BF101698.D
 Acq: 23 Dec 2017 12:38

Tgt Ion: 264 Resp: 287482
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.2 28.8
 265 21.7 17.5 26.3

