

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122217\
 Data File : BF101691.D
 Acq On : 23 Dec 2017 9:29
 Operator : SJ/JU
 Sample : I6838-03
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-7317-01

Manual Integrations
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 12/26/2017 1:37:54 PM

Quant Time: Dec 26 10:58:17 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	157921	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	546344	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	266262	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	463022	20.00	ng	0.00
75) Chrysene-d12	13.96	240	309311	20.00	ng	0.00
86) Perylene-d12	15.43	264	260073	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	1326724	125.14	ng	0.02
7) Phenol-d6	6.44	99	1322218	100.21	ng	0.00
23) Nitrobenzene-d5	7.36	82	1027754	104.72	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	344386	134.23	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1573108	91.65	ng	0.00
78) Terphenyl-d14	12.90	244	1372122	106.94	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Pyridine	3.62	79	137619m	9.093	ng	
10) Phenol	6.49	94	3489712	232.054	ng	97
17) 2-Methylphenol	7.06	107	623963	60.824	ng	100
20) 3+4-Methylphenols	7.22	107	1905944	175.327	ng	88
27) 2,4-Dimethylphenol	7.74	122	418942	52.843	ng	98
31) Naphthalene	8.10	128	5947977	216.251	ng	98
37) 2-Methylnaphthalene	8.78	142	335576	18.726	ng	98
45) 1,1'-Biphenyl	9.25	154	78636	3.330	ng	97
48) Acenaphthylene	9.69	152	307512	10.776	ng	99
51) Acenaphthene	9.86	154	41446	2.417	ng	98
54) Dibenzofuran	10.03	168	208185	9.555	ng	99
57) Fluorene	10.37	166	166840	9.051	ng	96
70) Phenanthrene	11.34	178	236924	9.201	ng	99
72) Carbazole	11.55	167	488094	19.821	ng	99

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

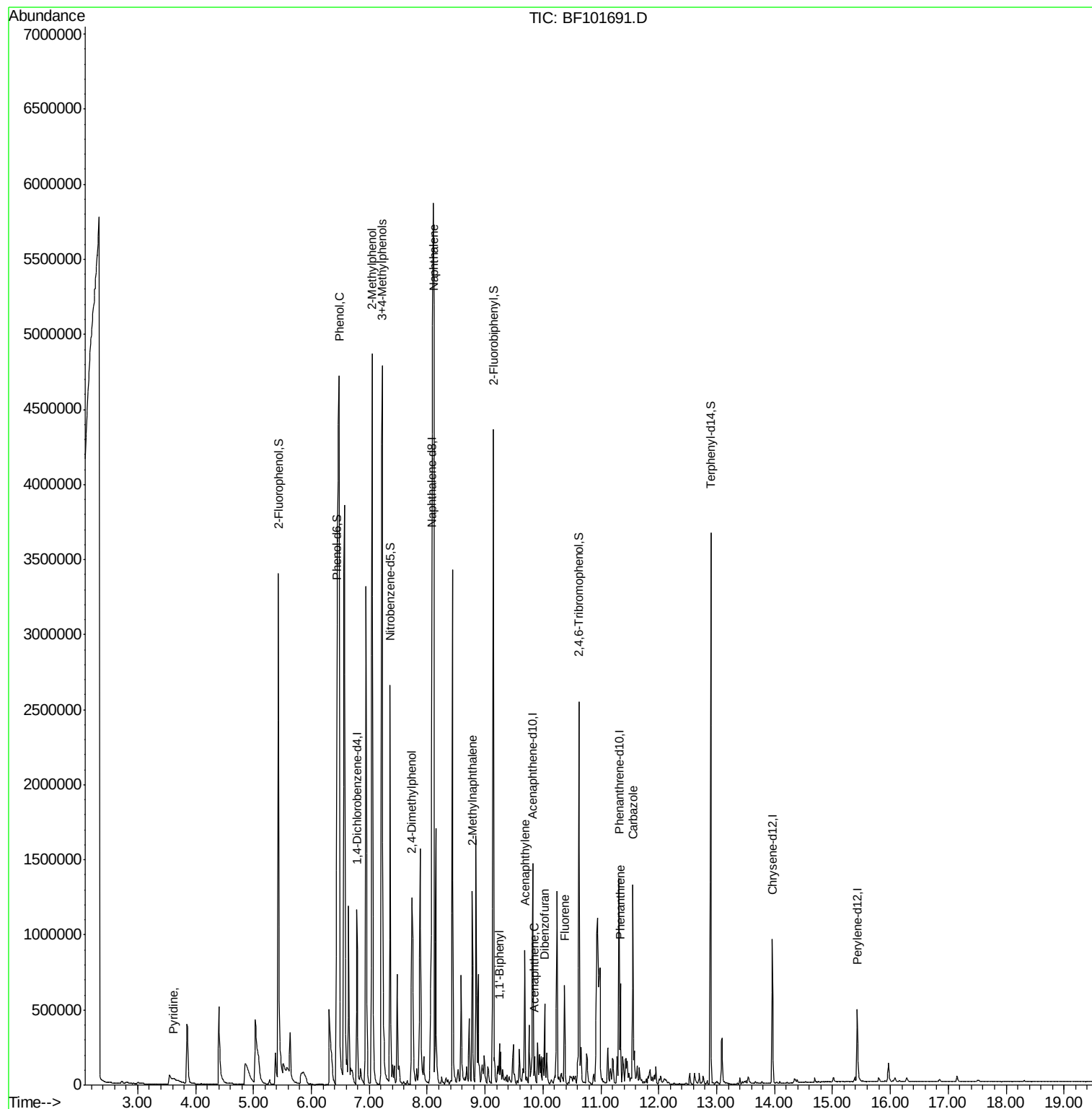
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122217\
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ALS Vial : 41 Sample Multiplier: 1

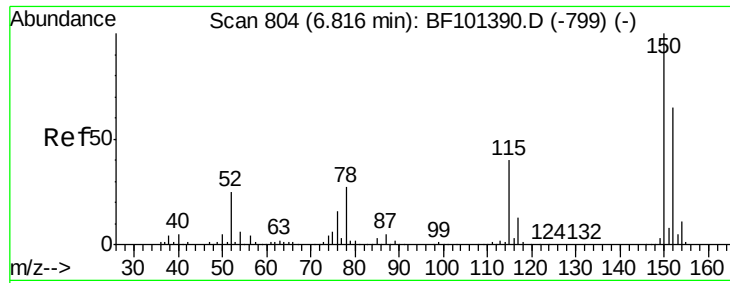
Instrument :
BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
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#1

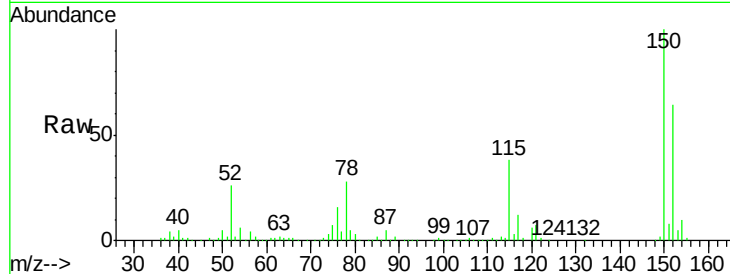
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.00 min
Lab File: BF101691.D
Acq: 23 Dec 2017 9:29

Instrument :
BNA_F
ClientSampleId :
WC-7317-01

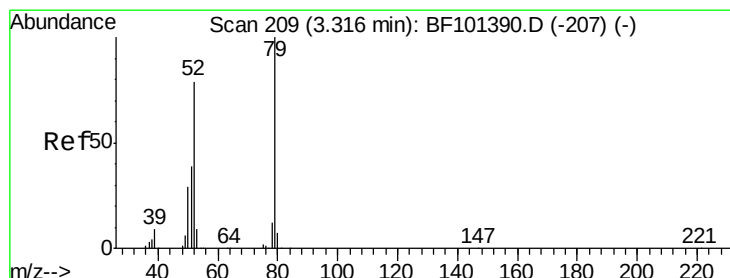
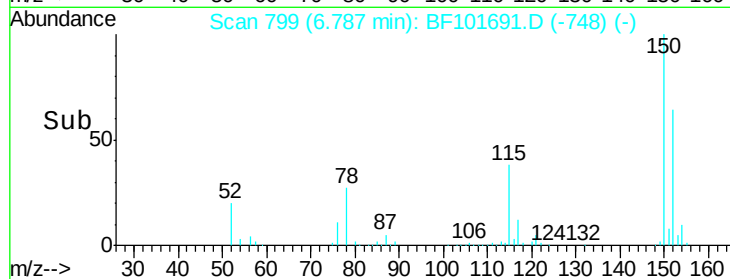
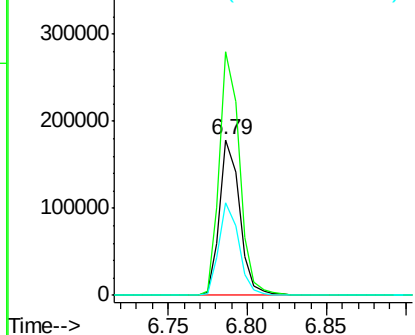
Tgt Ion	Ratio	Resp	Lower	Upper
152	100	157921		
150	156.5	124.6	186.8	
115	59.5	50.1	75.1	

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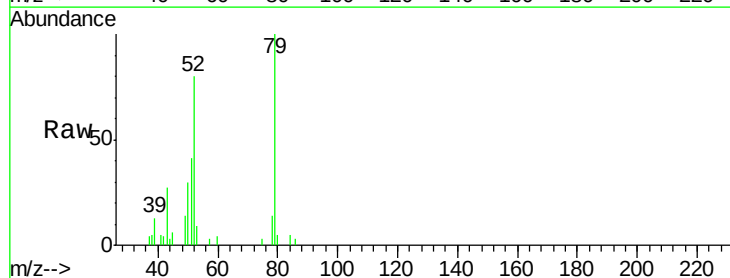
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



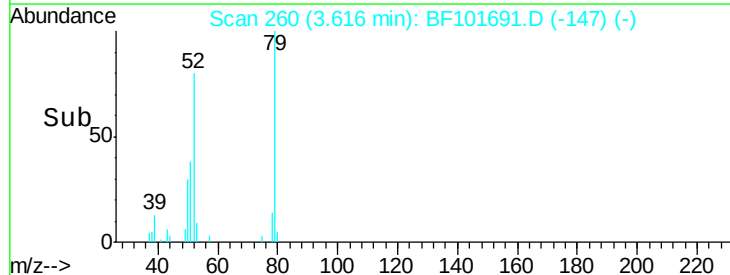
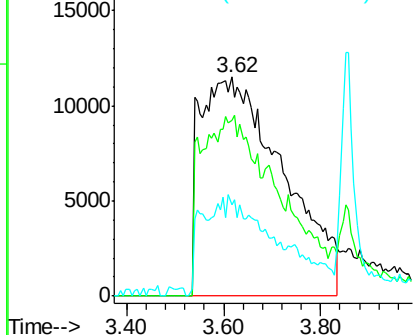
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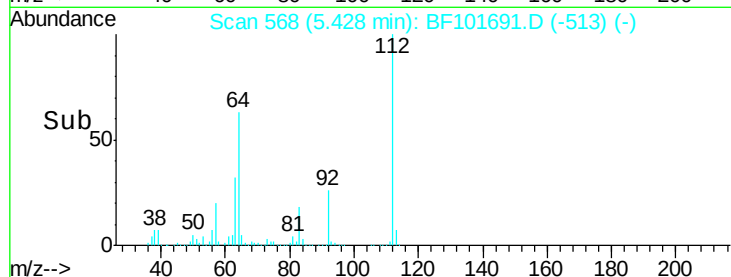
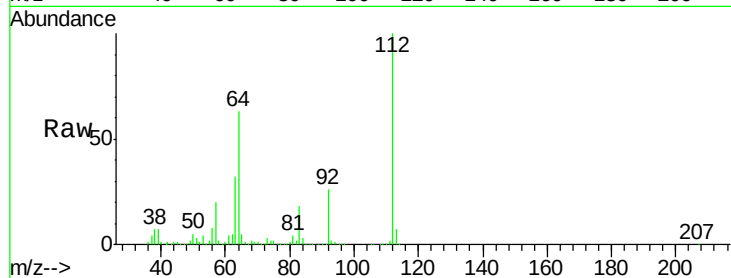
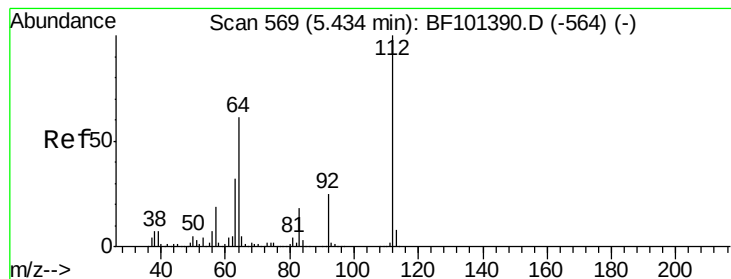
Pyridine
Concen: 9.093 ng m
RT: 3.62 min Scan# 260
Delta R.T. 0.36 min
Lab File: BF101691.D
Acq: 23 Dec 2017 9:29

Tgt Ion	Ratio	Resp	Lower	Upper
79	100	137619		
52	80.4	59.8	89.6	
51	41.4	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: 125.142 ng

RT: 5.43 min Scan# 568

Delta R.T. 0.02 min

Lab File: BF101691.D

Acq: 23 Dec 2017 9:29

Instrument :

BNA_F

ClientSampleId :

WC-7317-01

Tgt Ion: 112 Resp: 1326724

Ion Ratio Lower Upper

112 100

64 62.8 47.9 71.9

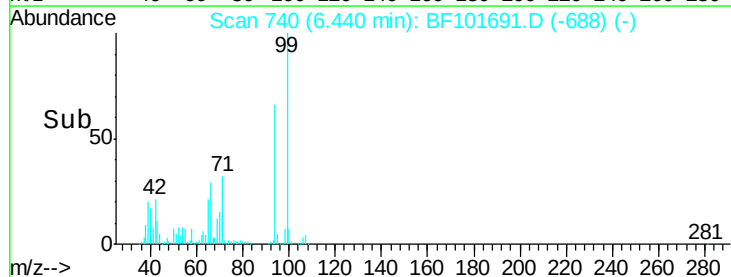
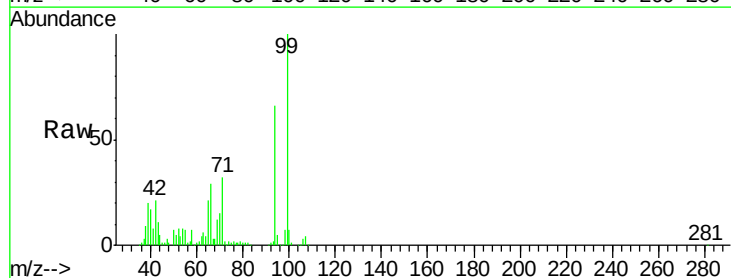
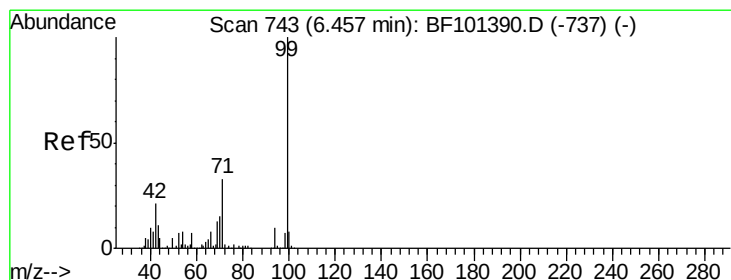
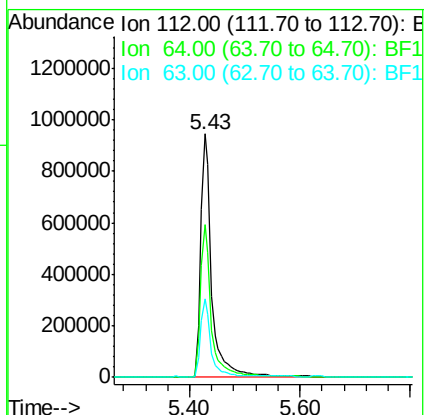
63 32.3 23.7 35.5

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#7

Phenol-d6

Concen: 100.212 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF101691.D

Acq: 23 Dec 2017 9:29

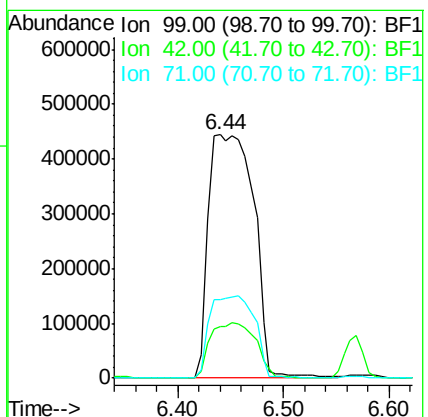
Tgt Ion: 99 Resp: 1322218

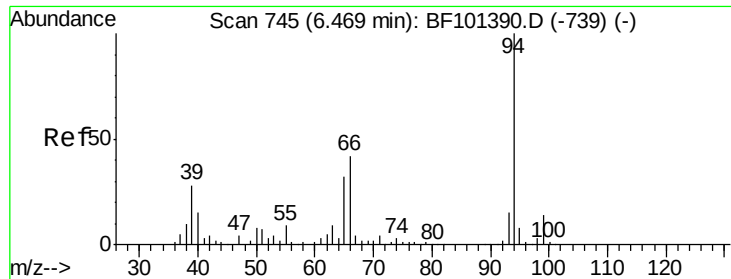
Ion Ratio Lower Upper

99 100

42 21.1 14.5 21.7

71 32.1 25.4 38.0





#10

Phenol

Concen: 232.054 ng

RT: 6.49 min Scan# 748

Delta R.T. 0.04 min

Lab File: BF101691.D

Acq: 23 Dec 2017 9:29

Instrument :

BNA_F

ClientSampleId :

WC-7317-01

Tgt Ion: 94 Resp: 3489712

Ion Ratio Lower Upper

94 100

65 29.4 7.9 47.9

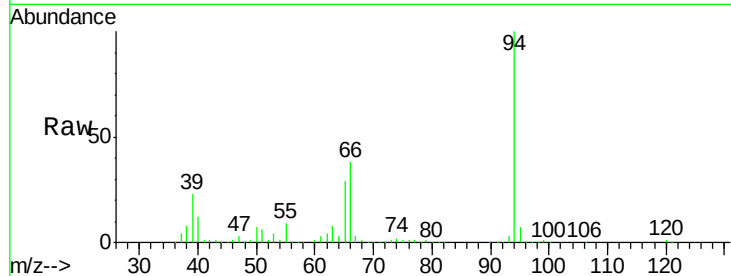
66 38.1 16.2 56.2

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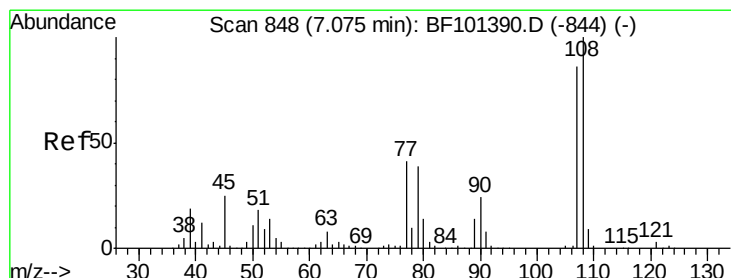
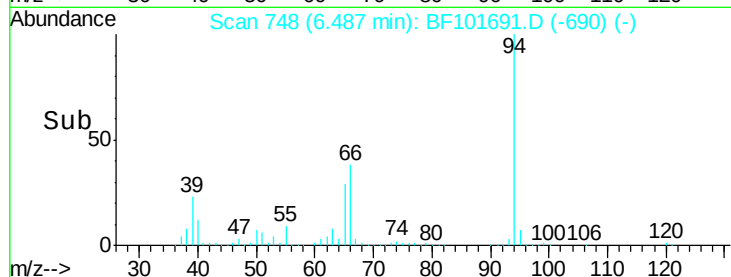
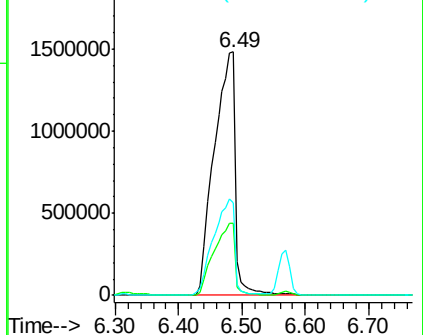
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Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



#17

2-Methylphenol

Concen: 60.824 ng

RT: 7.06 min Scan# 845

Delta R.T. 0.01 min

Lab File: BF101691.D

Acq: 23 Dec 2017 9:29

Tgt Ion: 107 Resp: 623963

Ion Ratio Lower Upper

107 100

108 115.0 91.7 137.5

77 42.3 33.8 50.8

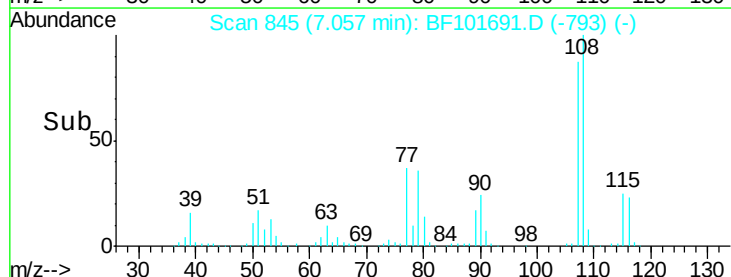
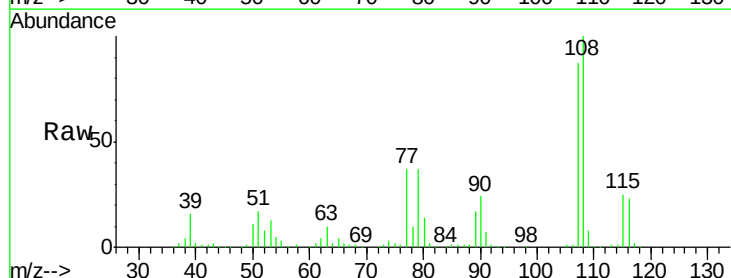
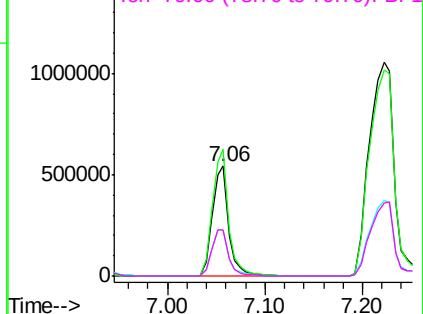
79 42.0 33.8 50.8

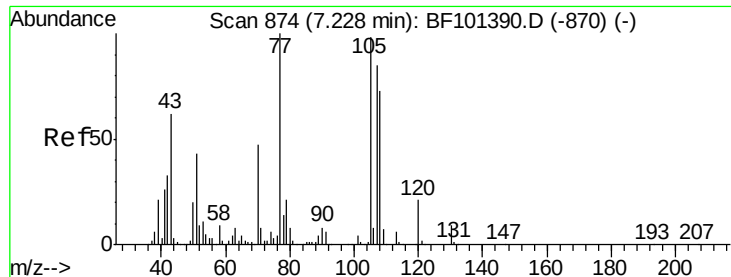
Abundance Ion 107.00 (106.70 to 107.70): E

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





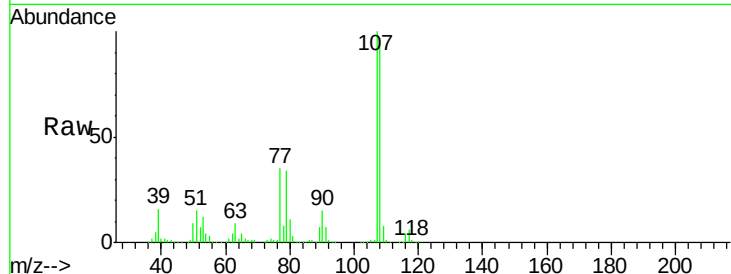
#20
3+4-Methylphenols
Concen: 175.327 ng
RT: 7.22 min Scan# 873
Delta R.T. 0.01 min
Lab File: BF101691.D
Acq: 23 Dec 2017 9:29

Instrument :
BNA_F
ClientSampleId :
WC-7317-01

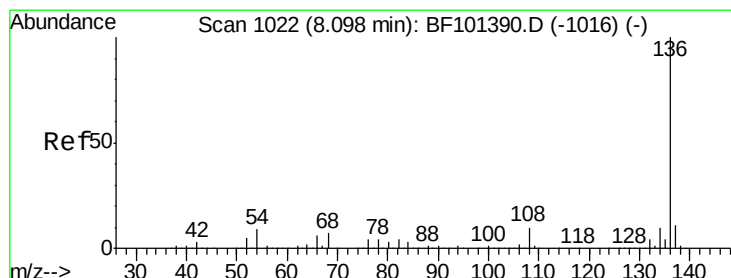
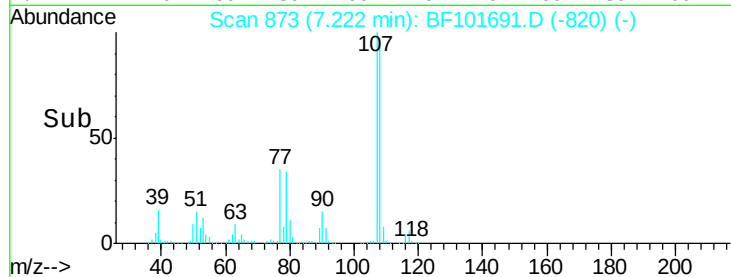
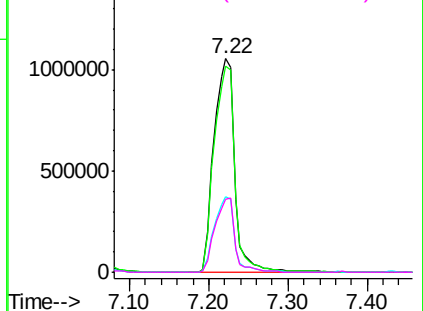
Tgt Ion:107 Resp: 1905944
Ion Ratio Lower Upper
107 100
108 96.6 68.2 108.2
77 35.4 26.7 66.7
79 33.9 6.3 46.3

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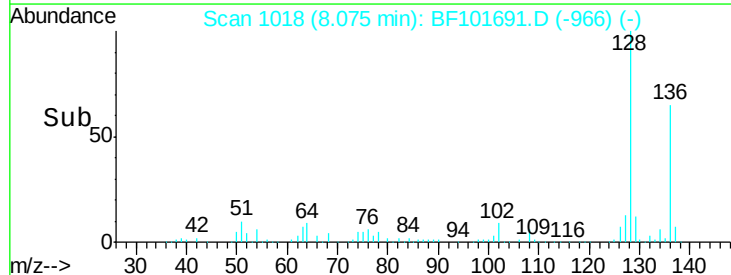
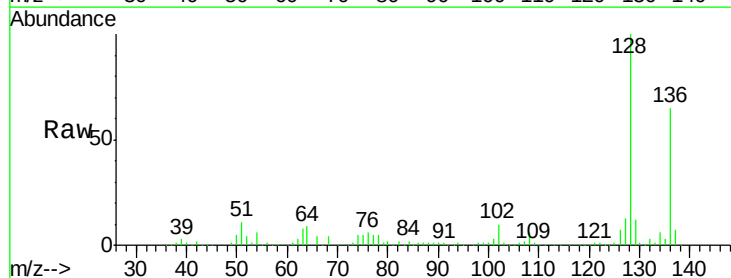
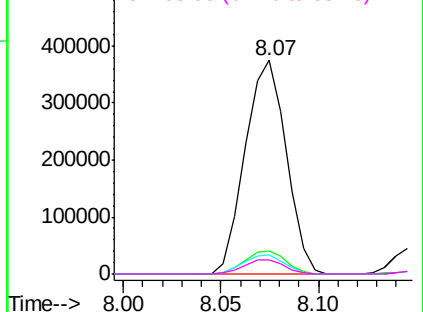
Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

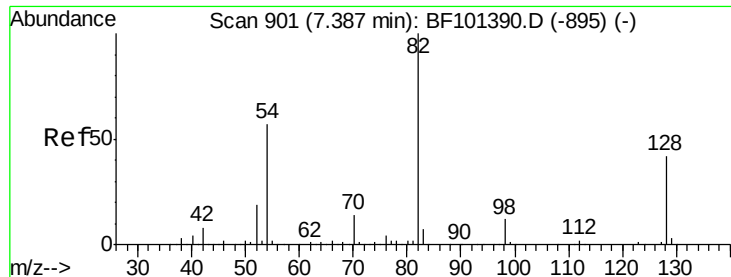


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. 0.01 min
Lab File: BF101691.D
Acq: 23 Dec 2017 9:29

Tgt Ion:136 Resp: 546344
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 9.2 6.6 9.8
68 6.4 5.0 7.4

Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1





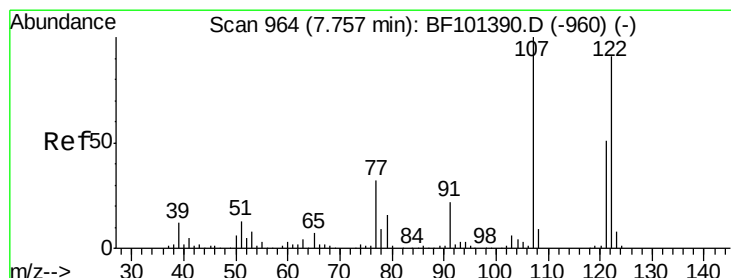
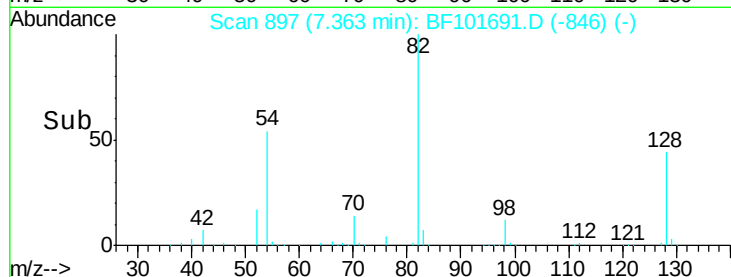
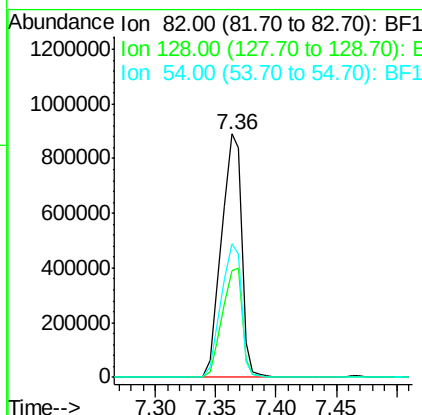
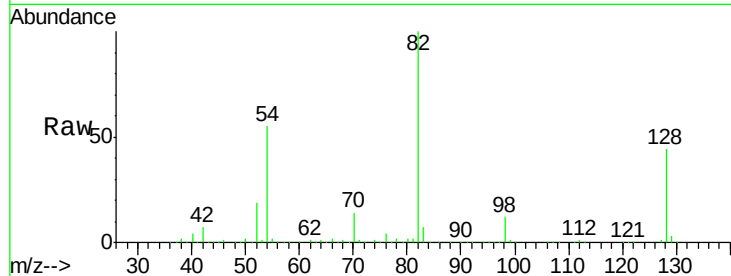
#23
 Nitrobenzene-d5
 Concen: 104.716 ng
 RT: 7.36 min Scan# 897
 Delta R.T. 0.00 min
 Lab File: BF101691.D
 Acq: 23 Dec 2017 9:29

Instrument :
 BNA_F
 ClientSampled :
 WC-7317-01

Tgt Ion: 82 Resp: 1027754
 Ion Ratio Lower Upper
 82 100
 128 44.0 36.1 54.1
 54 54.6 41.4 62.2

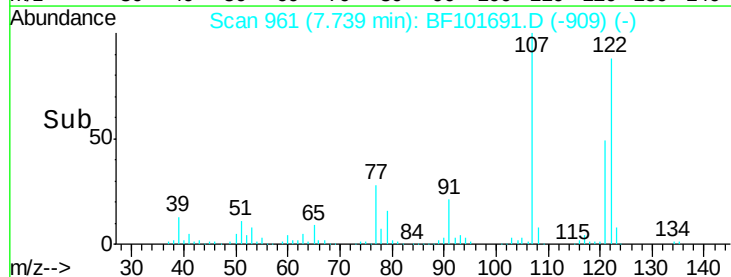
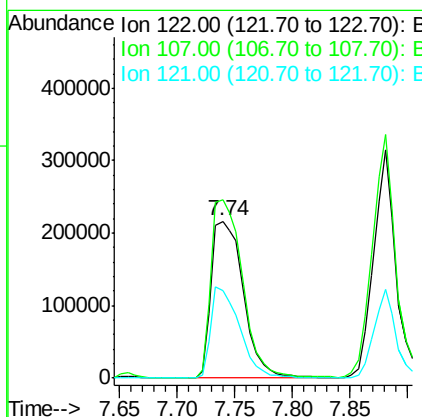
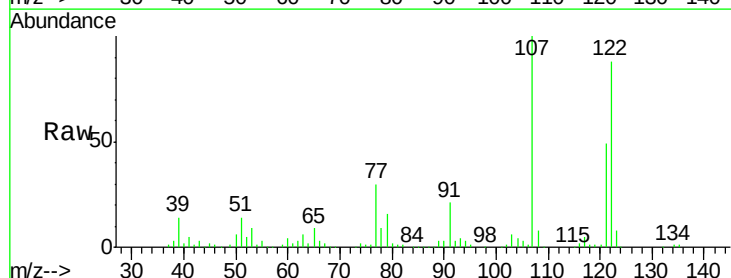
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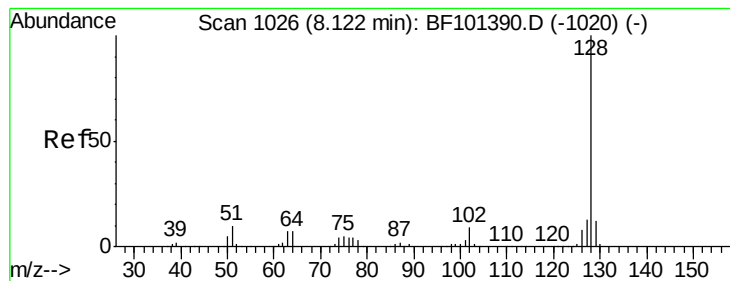
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#27
 2,4-Dimethylphenol
 Concen: 52.843 ng
 RT: 7.74 min Scan# 961
 Delta R.T. 0.01 min
 Lab File: BF101691.D
 Acq: 23 Dec 2017 9:29

Tgt Ion: 122 Resp: 418942
 Ion Ratio Lower Upper
 122 100
 107 113.6 91.2 136.8
 121 55.5 47.2 70.8





#31

Naphthalene

Concen: 216.251 ng

RT: 8.10 min Scan# 1023

Delta R.T. 0.01 min

Lab File: BF101691.D

Acq: 23 Dec 2017 9:29

Instrument :

BNA_F

ClientSampleId :

WC-7317-01

Tgt Ion:128 Resp: 5947977

Ion Ratio Lower Upper

128 100

129 12.0 8.8 13.2

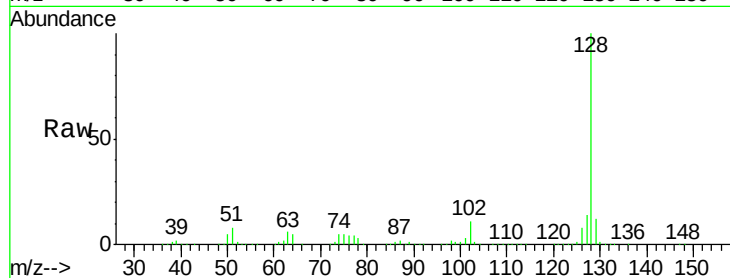
127 14.4 10.9 16.3

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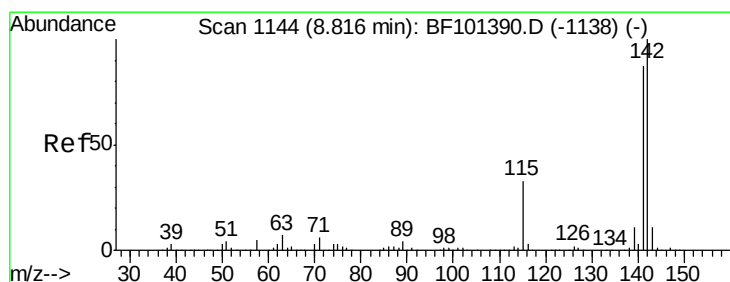
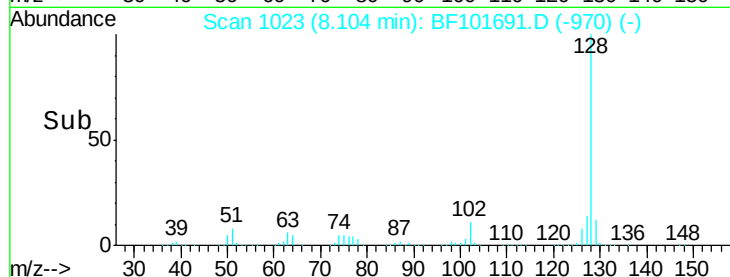
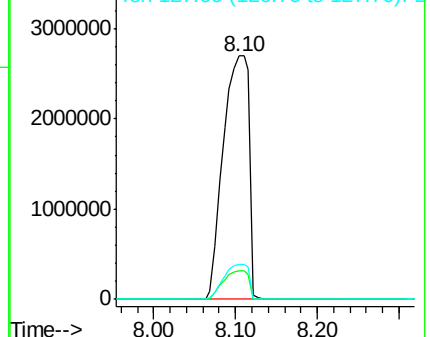
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 18.726 ng

RT: 8.78 min Scan# 1138

Delta R.T. -0.01 min

Lab File: BF101691.D

Acq: 23 Dec 2017 9:29

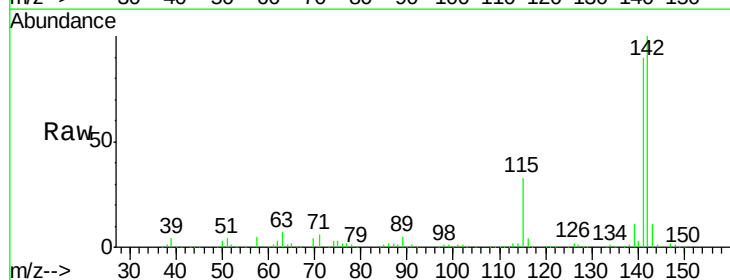
Tgt Ion:142 Resp: 335576

Ion Ratio Lower Upper

142 100

141 90.3 70.8 106.2

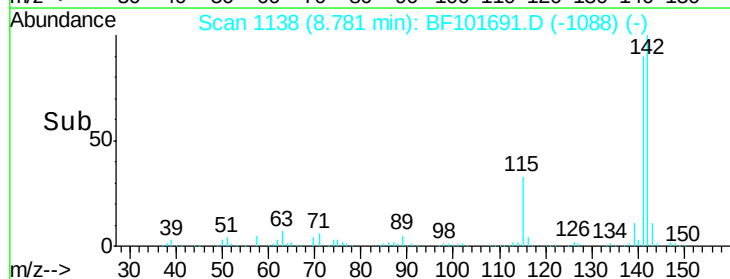
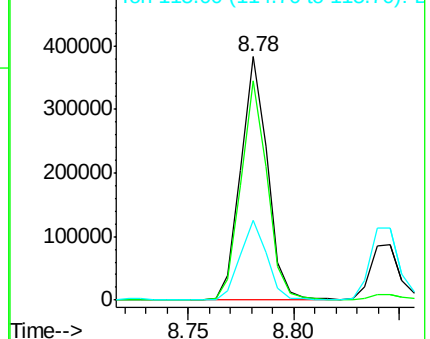
115 33.0 26.1 39.1

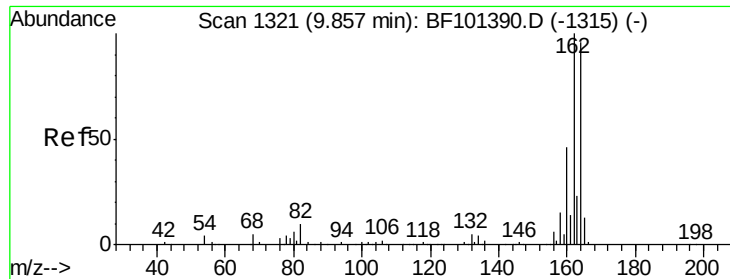


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





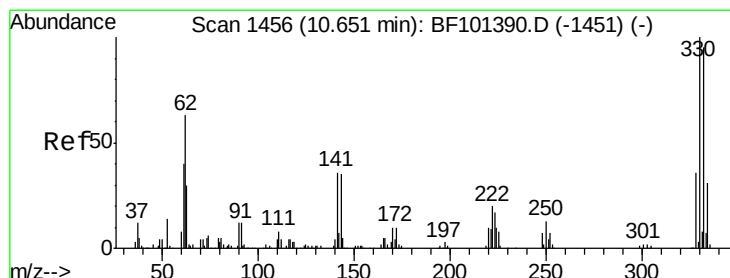
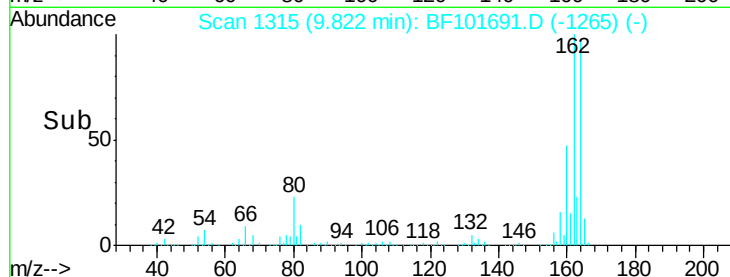
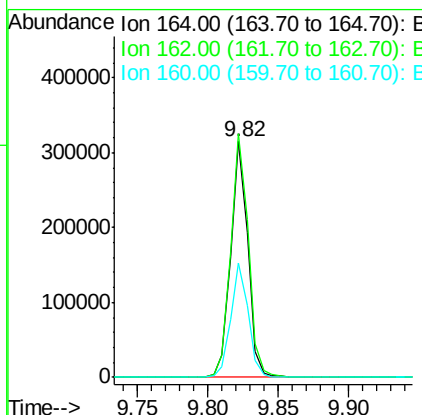
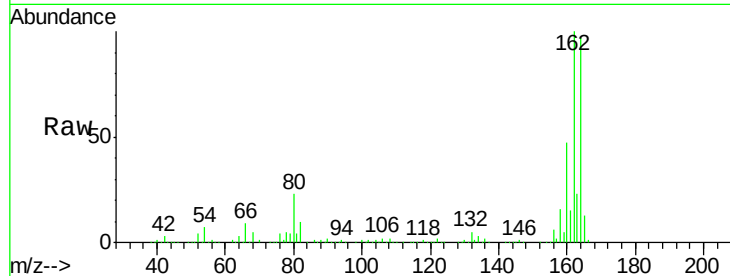
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF101691.D
Acq: 23 Dec 2017 9:29

Instrument :
BNA_F
ClientSampleId :
WC-7317-01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	266262		
162	103.3	86.1	129.1	
160	48.6	38.3	57.5	

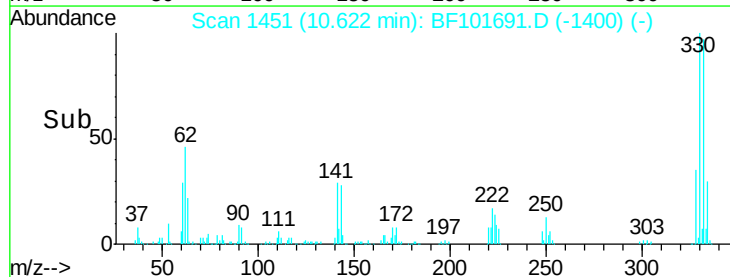
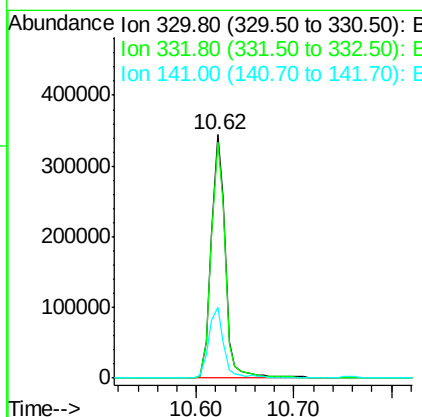
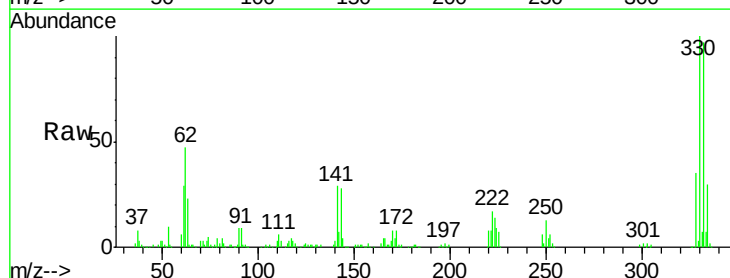
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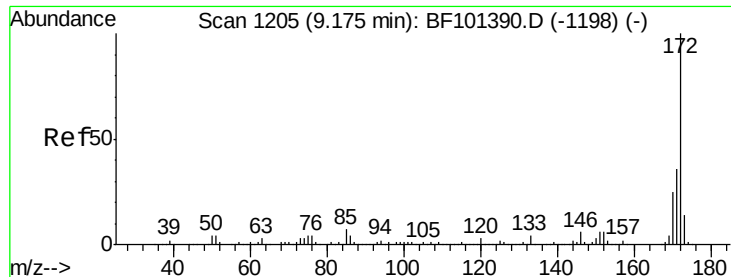
Sohil
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#41
2,4,6-Tribromophenol
Concen: 134.230 ng
RT: 10.62 min Scan# 1451
Delta R.T. 0.00 min
Lab File: BF101691.D
Acq: 23 Dec 2017 9:29

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	344386		
332	96.8	77.0	115.6	
141	31.6	29.9	44.9	





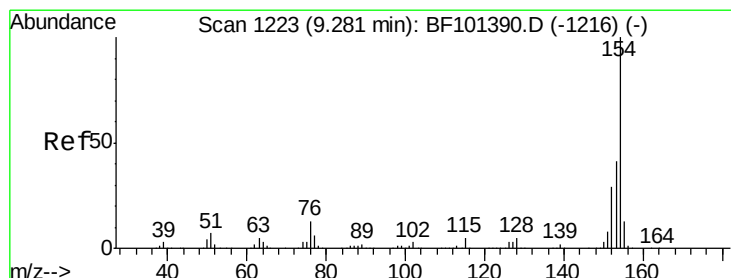
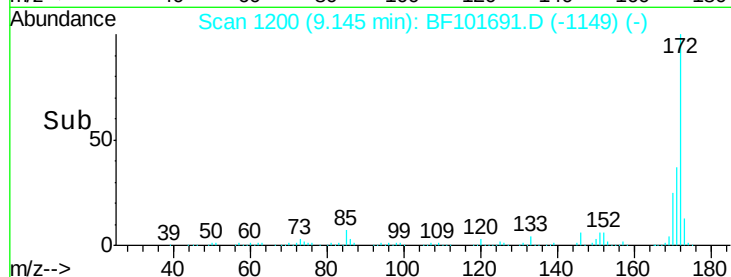
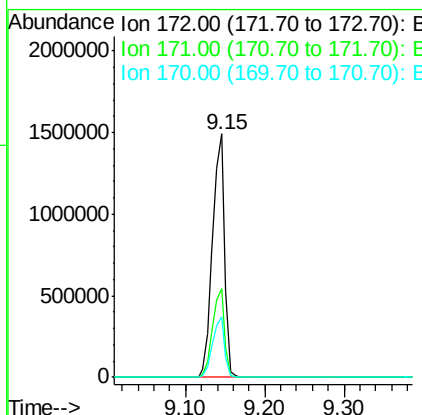
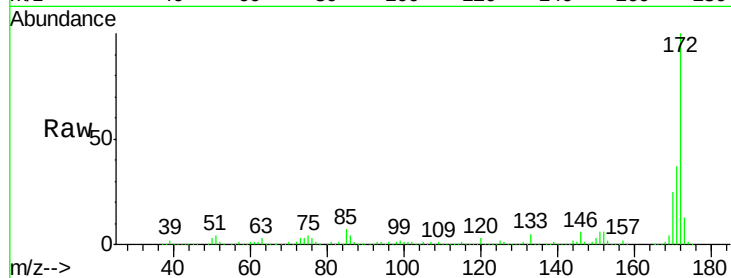
#44
2-Fluorobiphenyl
Concen: 91.649 ng
RT: 9.15 min Scan# 1200
Delta R.T. 0.00 min
Lab File: BF101691.D
Acq: 23 Dec 2017 9:29

Instrument :
BNA_F
ClientSampleId :
WC-7317-01

Tgt Ion:172 Resp: 1573108
Ion Ratio Lower Upper
172 100
171 36.7 29.7 44.5
170 25.0 19.6 29.4

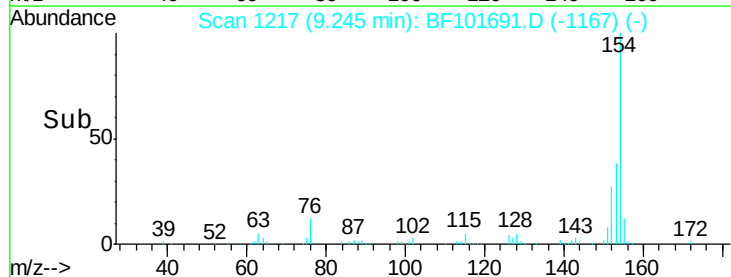
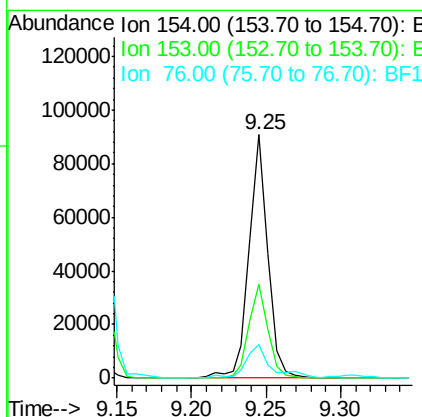
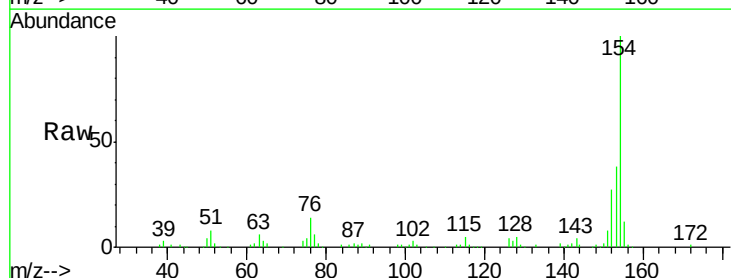
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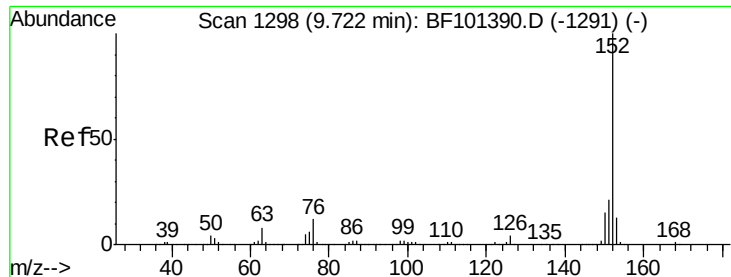
Sohil
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#45
1,1'-Biphenyl
Concen: 3.330 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.01 min
Lab File: BF101691.D
Acq: 23 Dec 2017 9:29

Tgt Ion:154 Resp: 78636
Ion Ratio Lower Upper
154 100
153 38.4 21.3 61.3
76 14.0 0.0 34.0





#48

Acenaphthylene

Concen: 10.776 ng

RT: 9.69 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BF101691.D

Acq: 23 Dec 2017 9:29

Instrument :

BNA_F

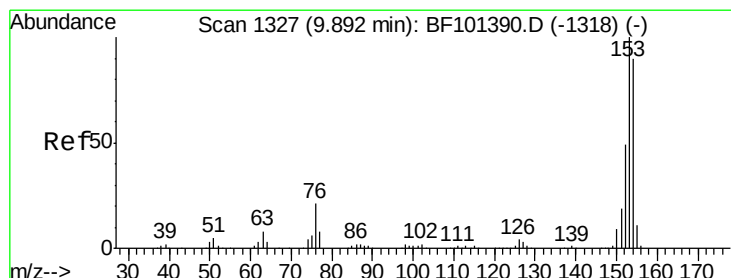
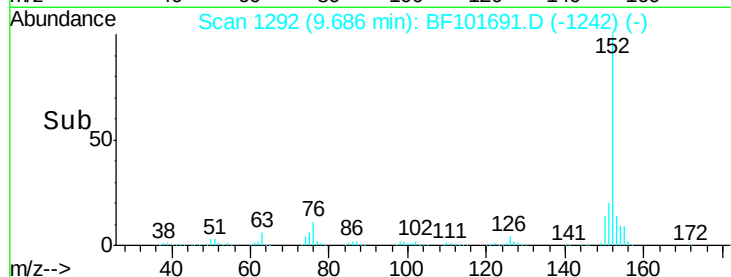
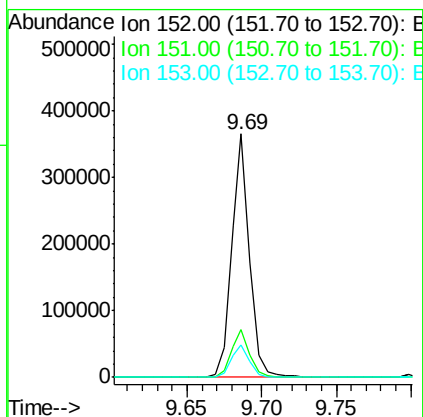
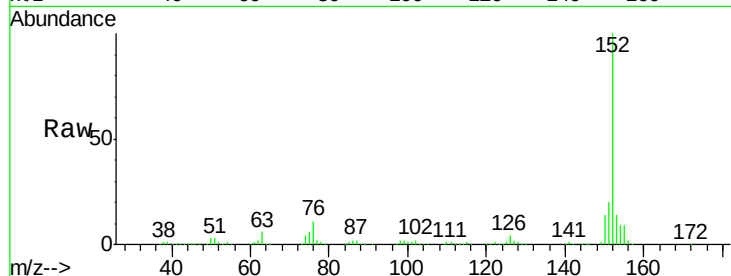
ClientSampled :

WC-7317-01

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	307512		
151	19.5	16.3	24.5	
153	13.5	10.7	16.1	

Manual Integrations
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#51

Acenaphthene

Concen: 2.417 ng

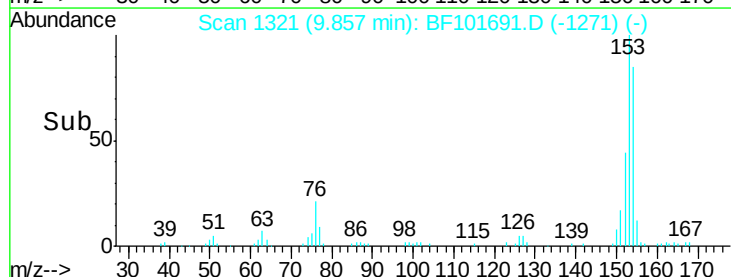
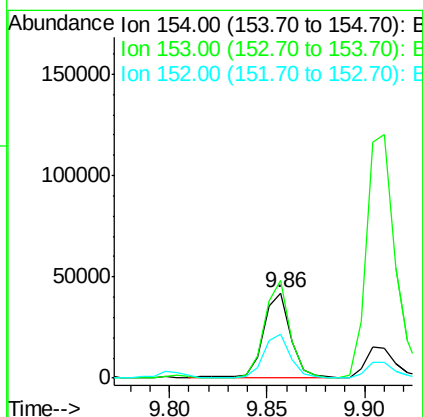
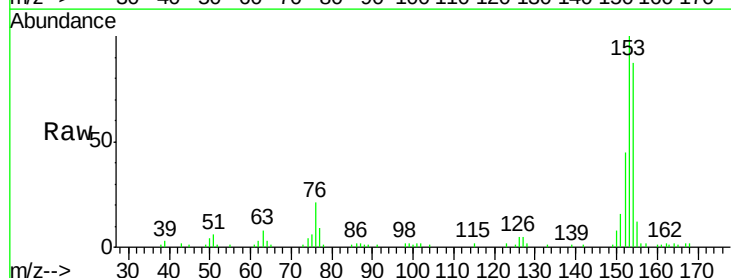
RT: 9.86 min Scan# 1321

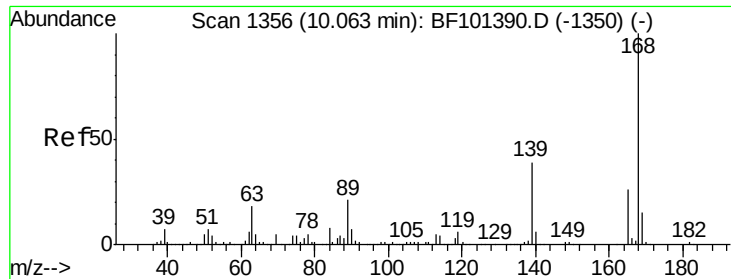
Delta R.T. -0.01 min

Lab File: BF101691.D

Acq: 23 Dec 2017 9:29

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	41446		
153	114.6	91.2	136.8	
152	51.1	43.8	65.8	





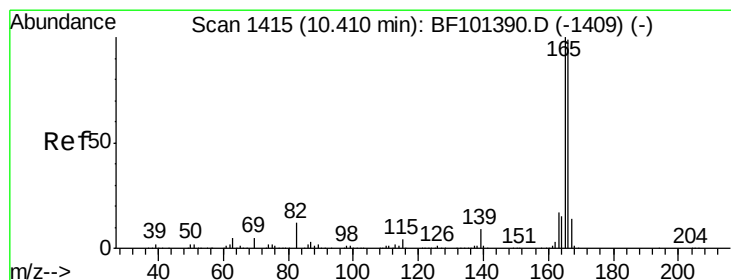
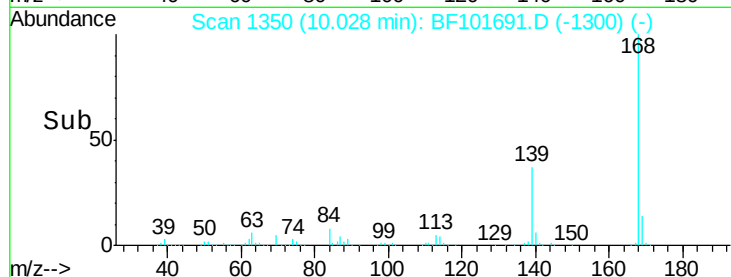
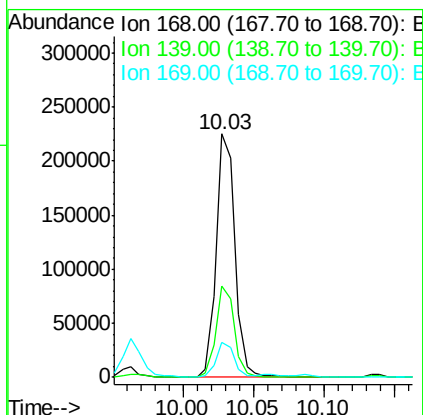
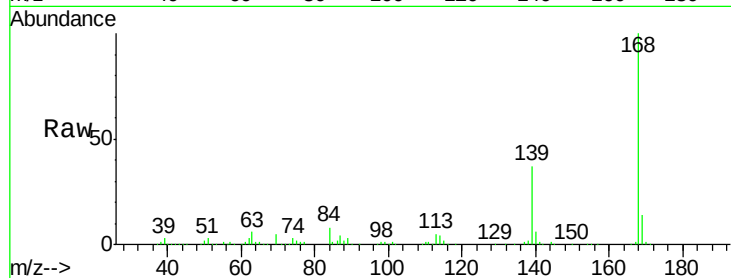
#54
Dibenzenofuran
Concen: 9.555 ng
RT: 10.03 min Scan# 1350
Delta R.T. -0.01 min
Lab File: BF101691.D
Acq: 23 Dec 2017 9:29

Instrument :
BNA_F
ClientSampled :
WC-7317-01

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	208185		
139	37.4	30.1	45.1	
169	14.2	10.9	16.3	

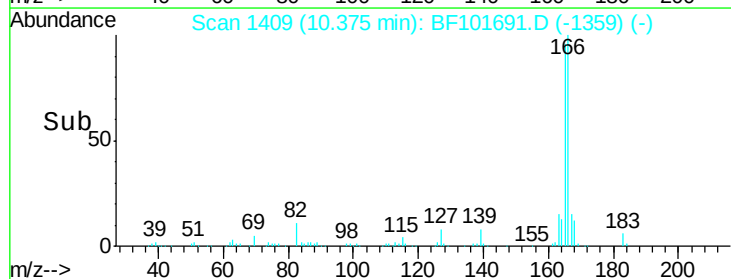
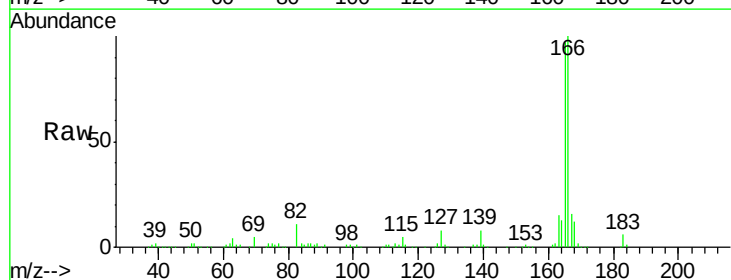
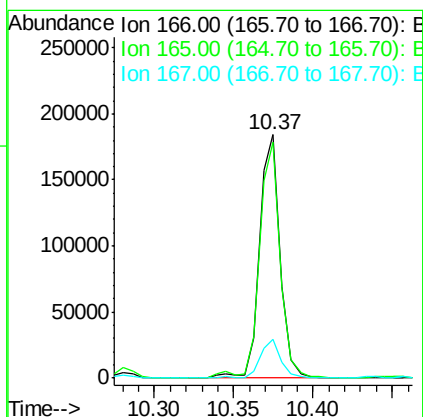
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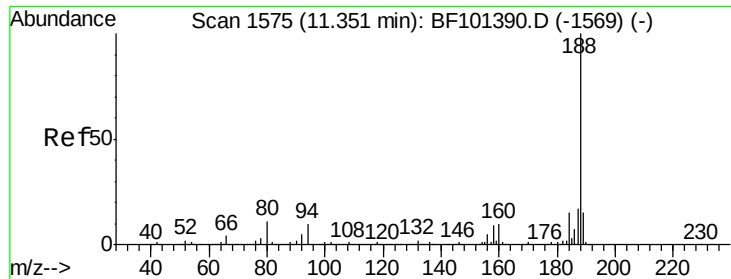
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12/26/2017 1:37:54 PM



#57
Fluorene
Concen: 9.051 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.01 min
Lab File: BF101691.D
Acq: 23 Dec 2017 9:29

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	166840		
165	96.7	79.8	119.8	
167	15.9	10.6	16.0	





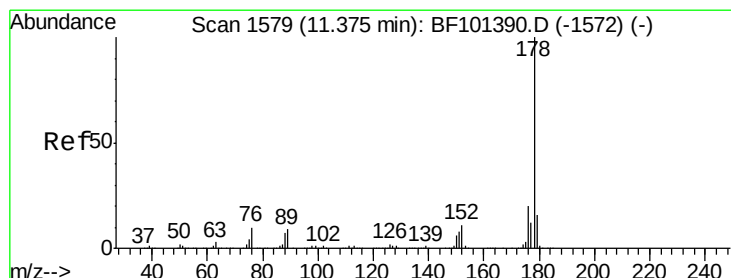
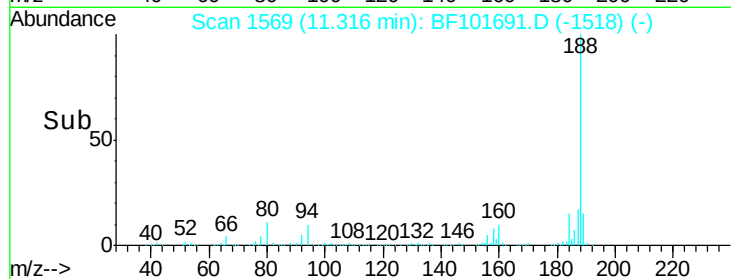
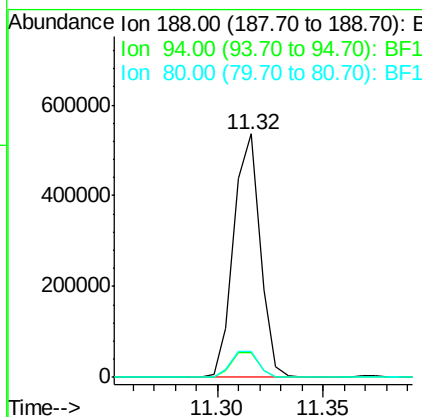
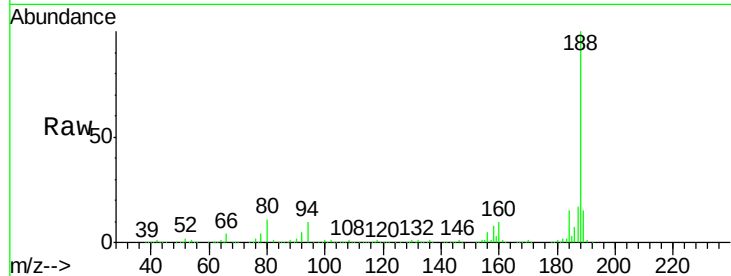
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. 0.00 min
Lab File: BF101691.D
Acq: 23 Dec 2017 9:29

Instrument :
BNA_F
ClientSampleId :
WC-7317-01

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	463022		
94	10.2		8.5	12.7
80	10.7		9.2	13.8

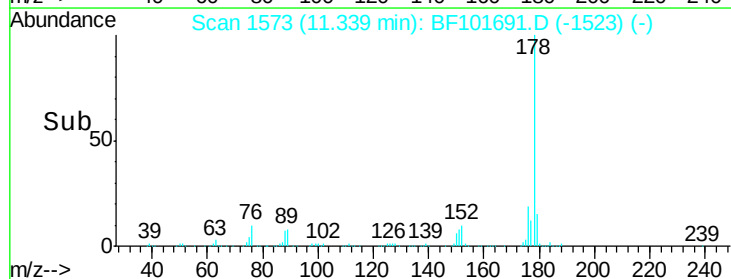
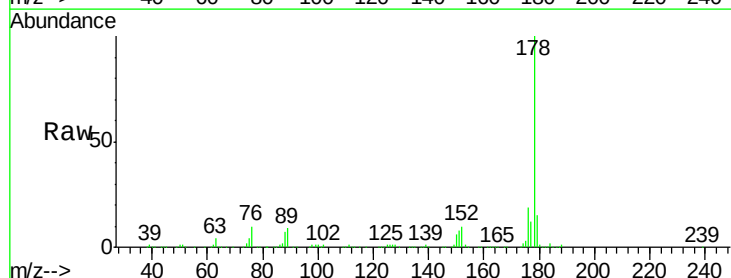
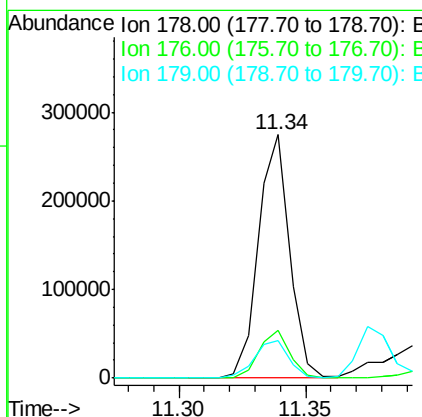
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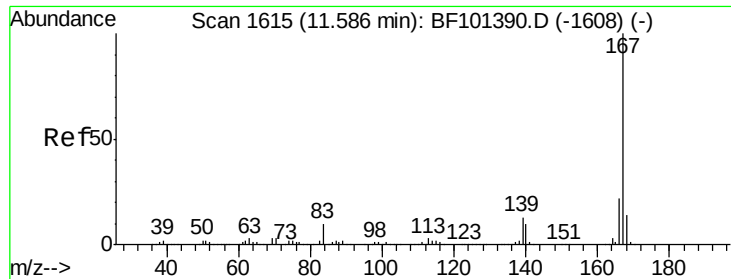
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12/26/2017 1:37:54 PM



#70
Phenanthrene
Concen: 9.201 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF101691.D
Acq: 23 Dec 2017 9:29

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	236924		
176	19.4		15.8	23.8
179	15.4		13.0	19.6





#72

Carbazole

Concen: 19.821 ng

RT: 11.55 min Scan# 1609

Delta R.T. -0.01 min

Lab File: BF101691.D

Acq: 23 Dec 2017 9:29

Instrument :

BNA_F

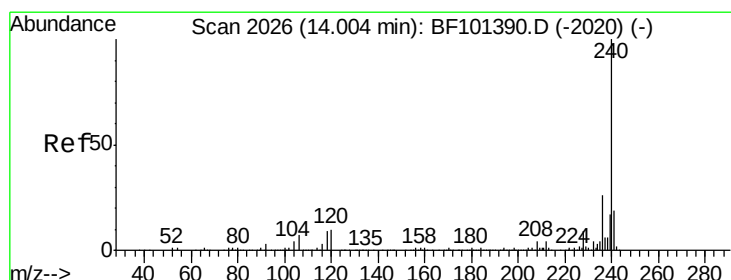
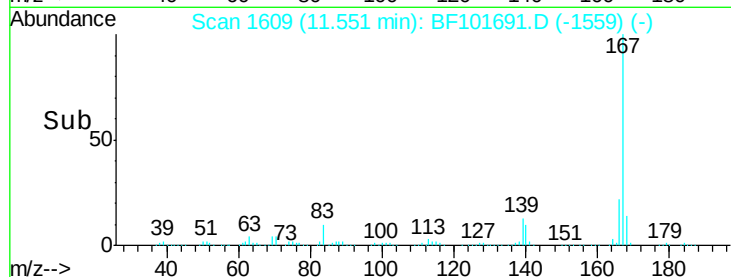
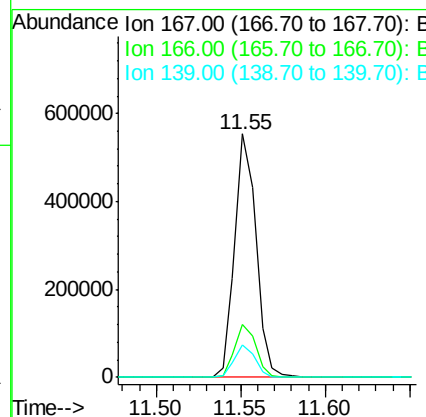
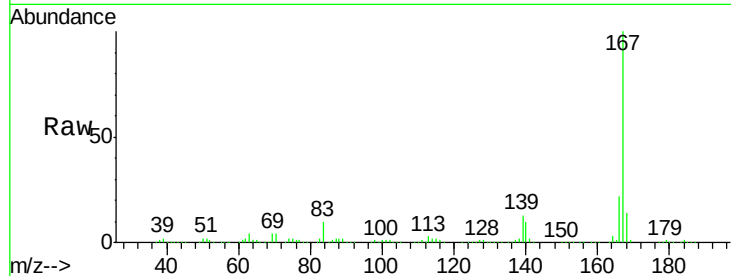
ClientSampleId :

WC-7317-01

Tgt Ion:	167	Resp:	488094
Ion Ratio	Lower	Upper	
167	100		
166	21.8	17.6	26.4
139	13.3	10.9	16.3

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12/26/2017 1:37:54 PM



#75

Chrysene-d12

Concen: 20.000 ng

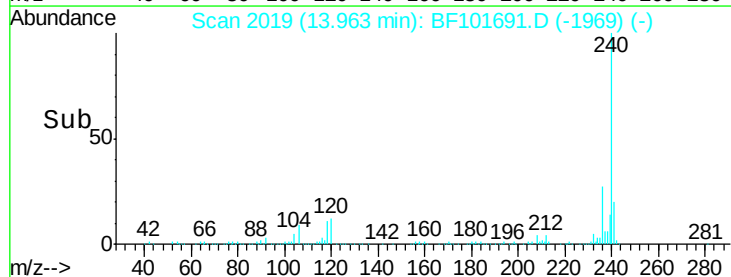
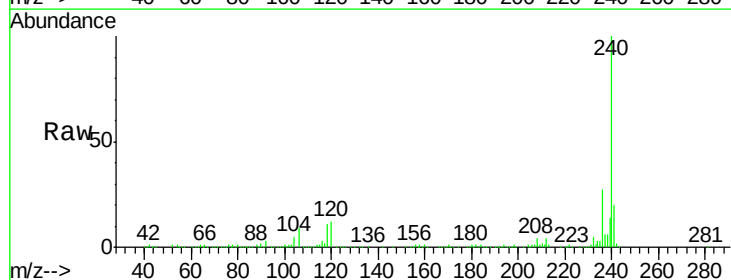
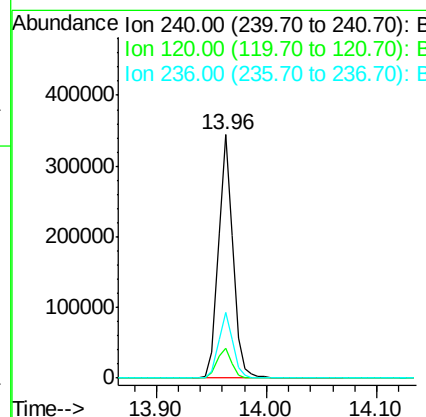
RT: 13.96 min Scan# 2019

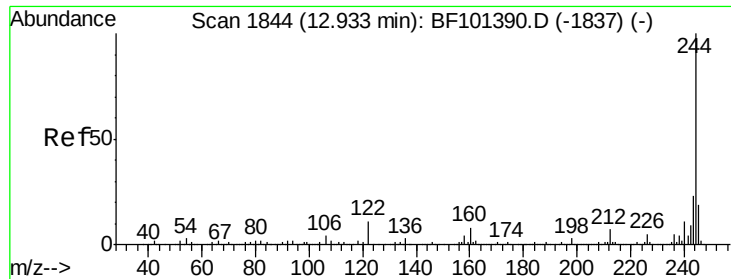
Delta R.T. -0.01 min

Lab File: BF101691.D

Acq: 23 Dec 2017 9:29

Tgt Ion:	240	Resp:	309311
Ion Ratio	Lower	Upper	
240	100		
120	12.0	9.5	14.3
236	26.9	20.7	31.1





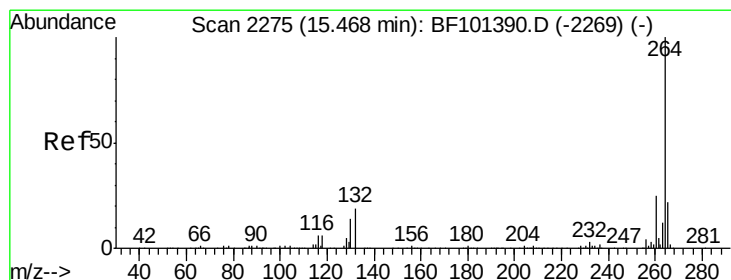
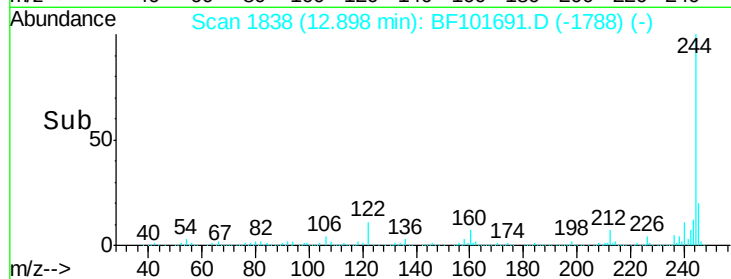
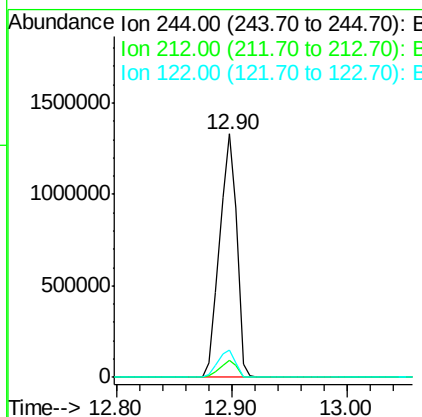
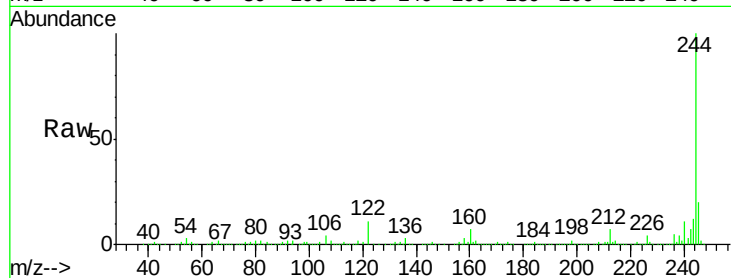
#78
 Terphenyl-d14
 Concen: 106.943 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. -0.01 min
 Lab File: BF101691.D
 Acq: 23 Dec 2017 9:29

Instrument :
 BNA_F
 ClientSampleId :
 WC-7317-01

Tgt Ion: 244 Resp: 1372122
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.0
 122 11.4 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: BF101691.D
 Acq: 23 Dec 2017 9:29

Tgt Ion: 264 Resp: 260073
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.2 28.8
 265 21.6 17.5 26.3

