

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122217\
 Data File : BF101685.D
 Acq On : 23 Dec 2017 6:48
 Operator : SJ/JU
 Sample : I6827-18
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-4539-01

Manual Integrations
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 12/26/2017 1:37:42 PM

Quant Time: Dec 26 10:42:45 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	158840	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	385607	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	278421	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	485997	20.00	ng	0.00
75) Chrysene-d12	13.96	240	331496	20.00	ng	0.00
86) Perylene-d12	15.43	264	291450	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	1295532m	121.49	ng	0.06
7) Phenol-d6	6.49	99	1236815m	93.20	ng	0.05
23) Nitrobenzene-d5	7.36	82	997891	144.05	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	329723	122.90	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1578465	87.95	ng	0.00
78) Terphenyl-d14	12.90	244	1373538	99.89	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Pyridine	3.48	79	164668m	10.817	ng	
10) Phenol	6.50	94	2291650	151.505	ng	97
17) 2-Methylphenol	7.08	107	1016150	98.481	ng	98
20) 3+4-Methylphenols	7.25	107	2539836	232.287	ng	87
27) 2,4-Dimethylphenol	7.76	122	1165821	208.346	ng	97
31) Naphthalene	8.12	128	9232559	475.589	ng	97
37) 2-Methylnaphthalene	8.79	142	866846	68.537	ng	99
45) 1,1'-Biphenyl	9.25	154	200288	8.112	ng	97
48) Acenaphthylene	9.69	152	1088936	36.491	ng	98
51) Acenaphthene	9.86	154	252122	14.063	ng	98
54) Dibenzofuran	10.03	168	529748	23.251	ng	99
57) Fluorene	10.37	166	498401	25.859	ng	99
70) Phenanthrene	11.34	178	562210	20.802	ng	99
71) Anthracene	11.39	178	126308	4.575	ng	96
72) Carbazole	11.56	167	1380700	53.417	ng	99
74) Fluoranthene	12.53	202	82271	2.900	ng	97

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

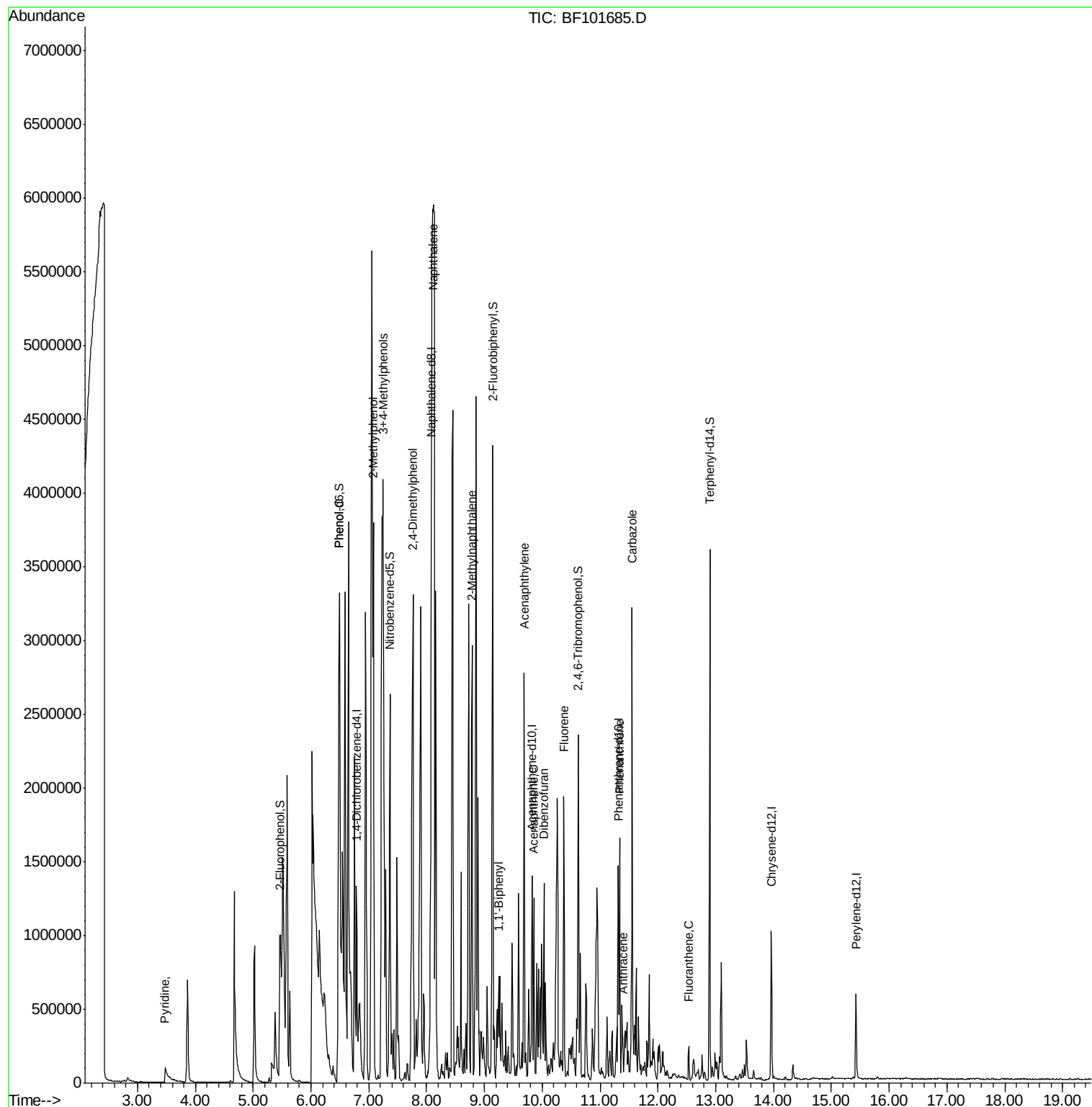
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122217\
Data File : BF101685.D
Acq On : 23 Dec 2017 6:48
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Sample : I6827-18
Misc :
ALS Vial : 35 Sample Multiplier: 1

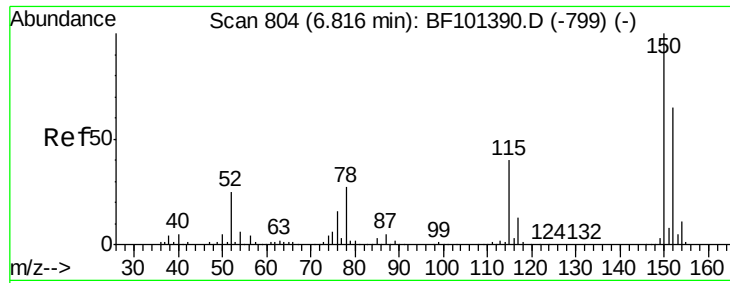
Instrument :
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
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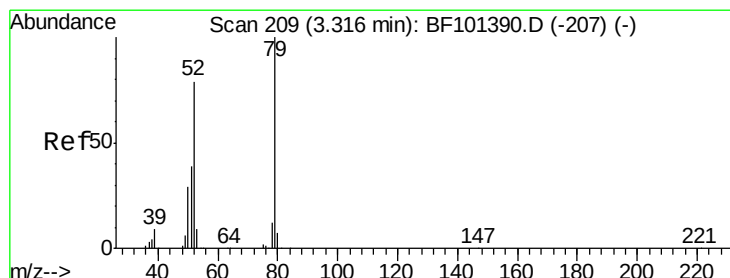
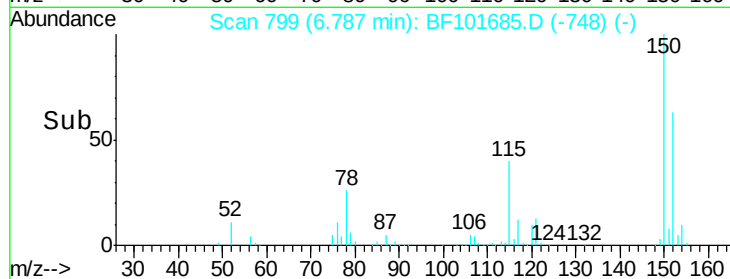
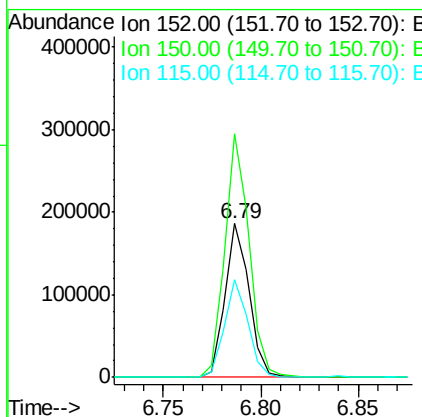
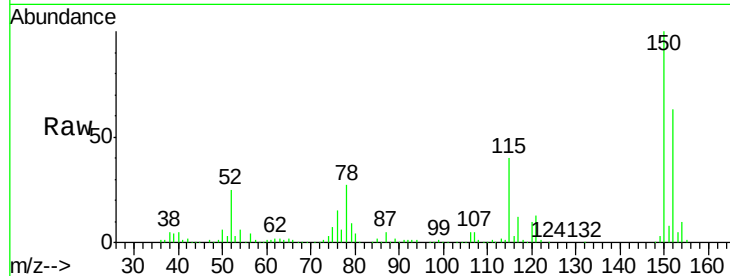
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: BF101685.D
 Acq: 23 Dec 2017 6:48

Instrument :
 BNA_F
 ClientSampleId :
 WC-4539-01

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	158840		
150	158.7	124.6	186.8	
115	63.6	50.1	75.1	

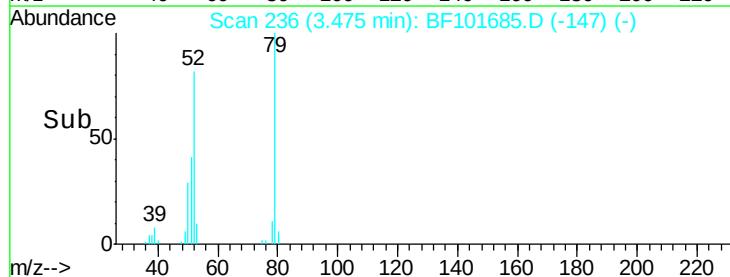
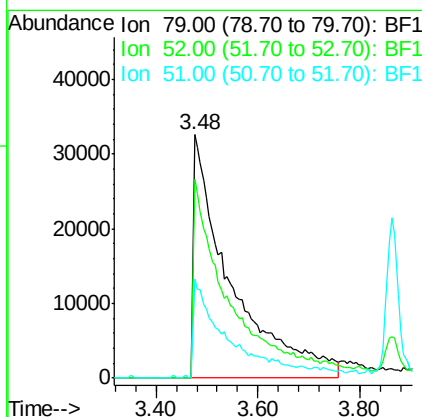
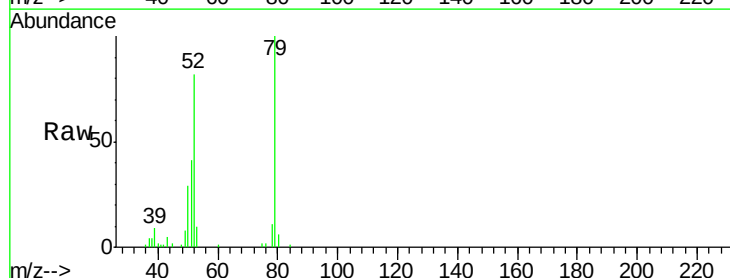
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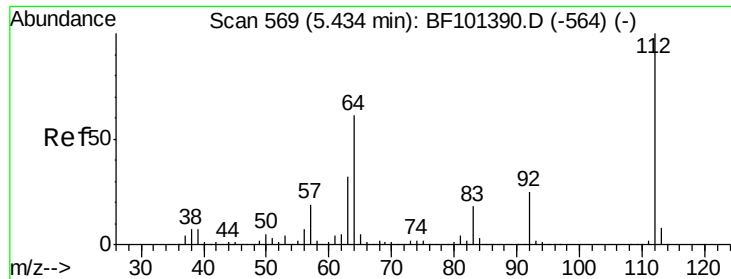
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#3
 Pyridine
 Concen: 10.817 ng m
 RT: 3.48 min Scan# 236
 Delta R.T. 0.22 min
 Lab File: BF101685.D
 Acq: 23 Dec 2017 6:48

Tgt Ion	Ratio	Resp	Lower	Upper
79	100	164668		
52	81.6	59.8	89.6	
51	40.9	29.8	44.8	





#5

2-Fluorophenol

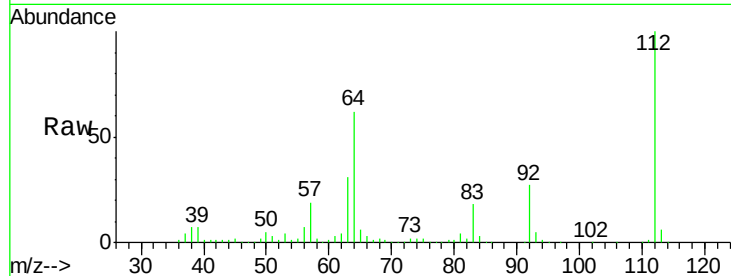
Concen: 121.493 ng m
RT: 5.47 min Scan# 575
Delta R.T. 0.06 min
Lab File: BF101685.D
Acq: 23 Dec 2017 6:48

Instrument :
BNA_F
ClientSampled :
WC-4539-01

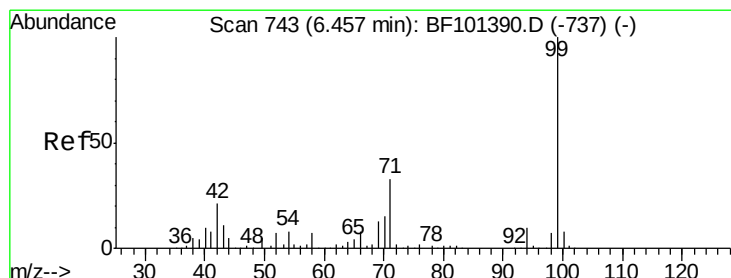
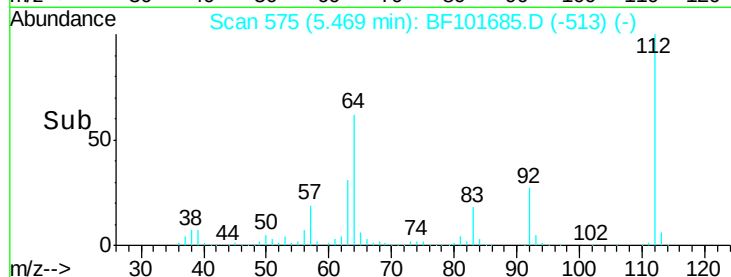
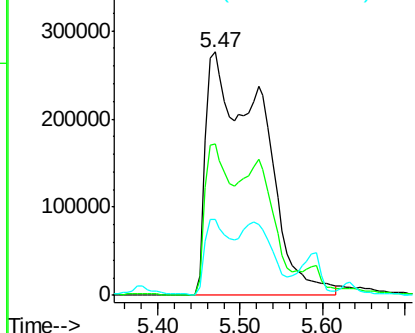
Tgt Ion: 112 Resp: 1295532
Ion Ratio Lower Upper
112 100
64 62.0 47.9 71.9
63 31.4 23.7 35.5

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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

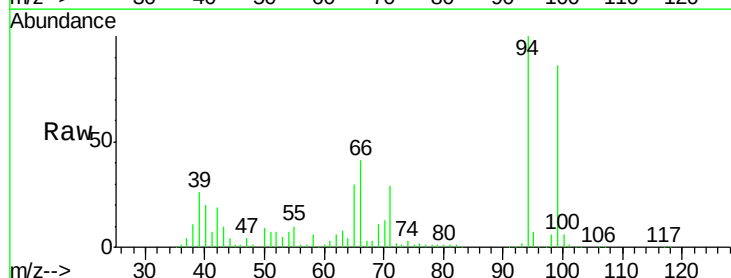


#7

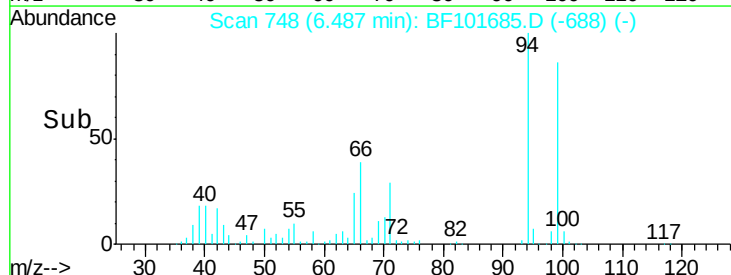
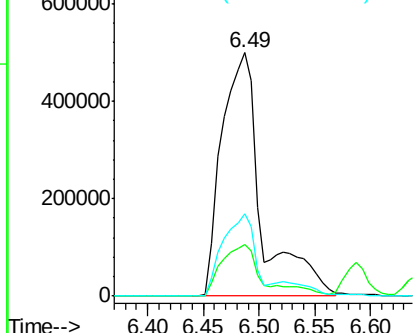
Phenol-d6

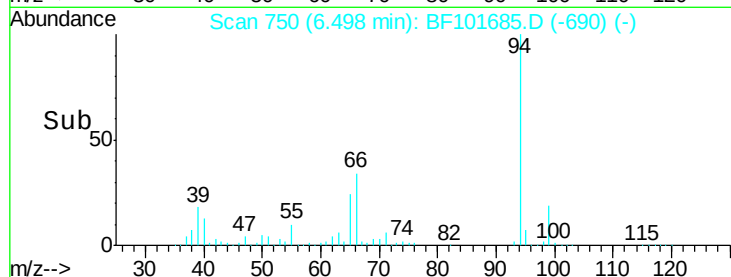
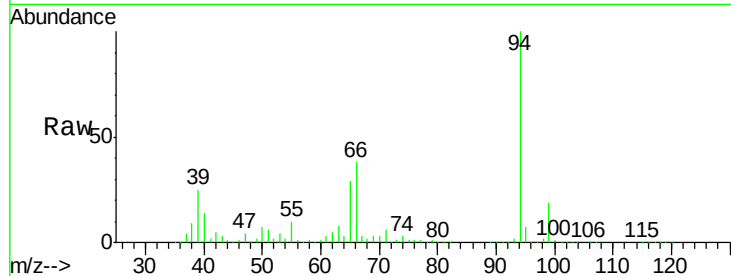
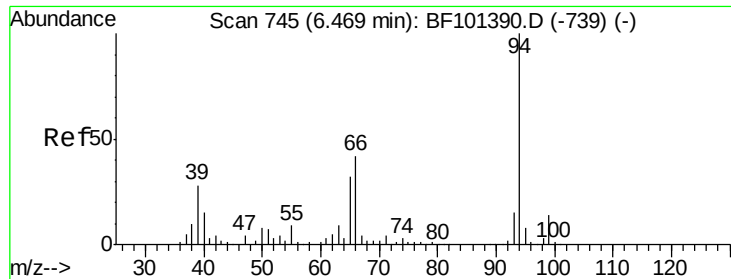
Concen: 93.197 ng m
RT: 6.49 min Scan# 748
Delta R.T. 0.05 min
Lab File: BF101685.D
Acq: 23 Dec 2017 6:48

Tgt Ion: 99 Resp: 1236815
Ion Ratio Lower Upper
99 100
42 21.5 14.5 21.7
71 33.8 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: 151.505 ng

RT: 6.50 min Scan# 750

Delta R.T. 0.05 min

Lab File: BF101685.D

Acq: 23 Dec 2017 6:48

Tgt Ion: 94 Resp: 2291650

Ion Ratio Lower Upper

94 100

65 29.2 7.9 47.9

66 38.0 16.2 56.2

Instrument :

BNA_F

ClientSampleId :

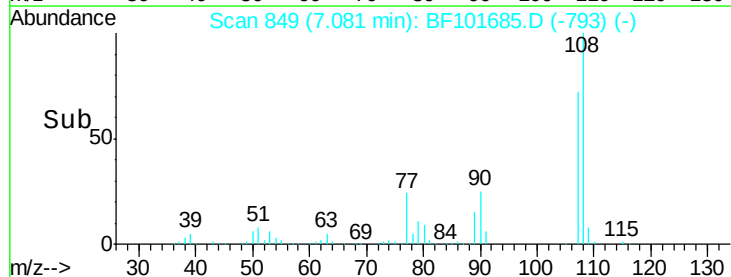
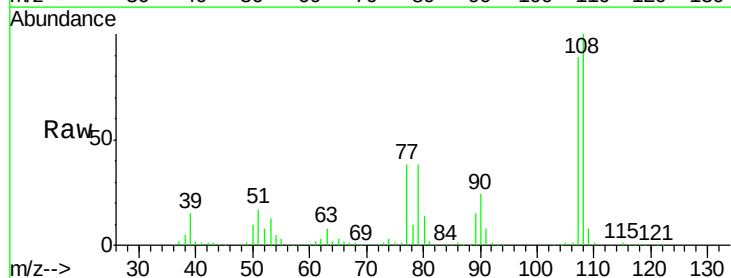
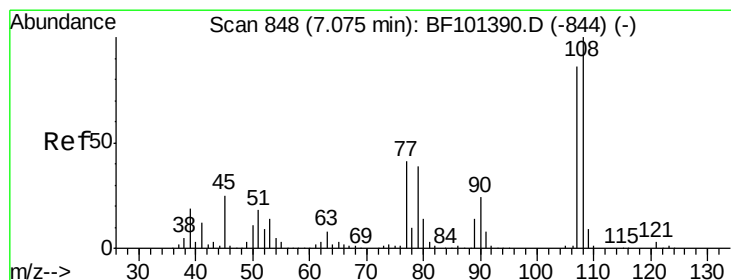
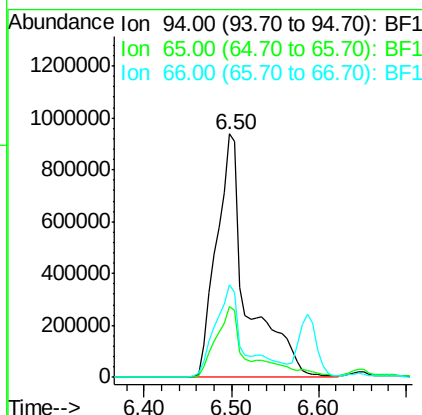
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#17

2-Methylphenol

Concen: 98.481 ng

RT: 7.08 min Scan# 849

Delta R.T. 0.03 min

Lab File: BF101685.D

Acq: 23 Dec 2017 6:48

Tgt Ion: 107 Resp: 1016150

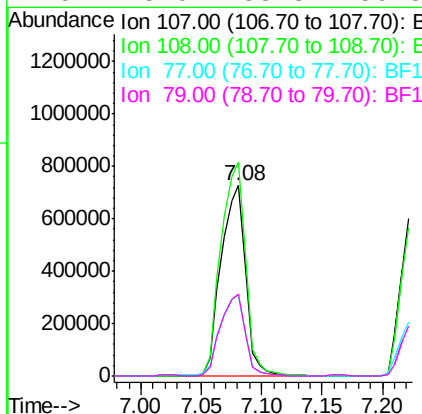
Ion Ratio Lower Upper

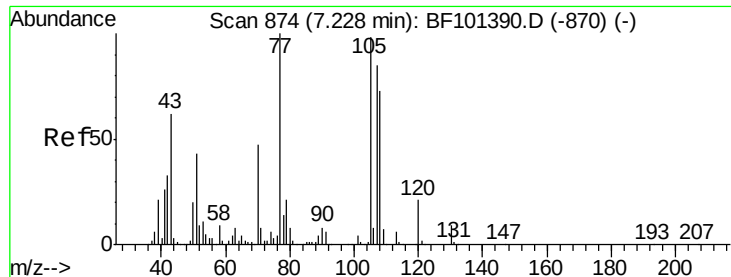
107 100

108 112.2 91.7 137.5

77 42.6 33.8 50.8

79 43.0 33.8 50.8





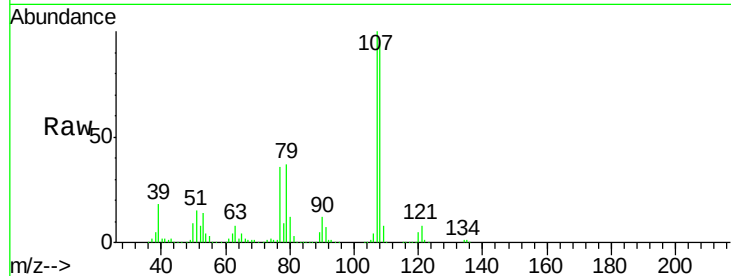
#20
3+4-Methylphenols
Concen: 232.287 ng
RT: 7.25 min Scan# 877
Delta R.T. 0.04 min
Lab File: BF101685.D
Acq: 23 Dec 2017 6:48

Instrument :
BNA_F
ClientSampleId :
WC-4539-01

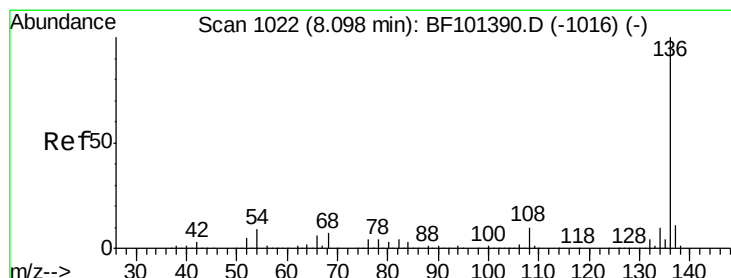
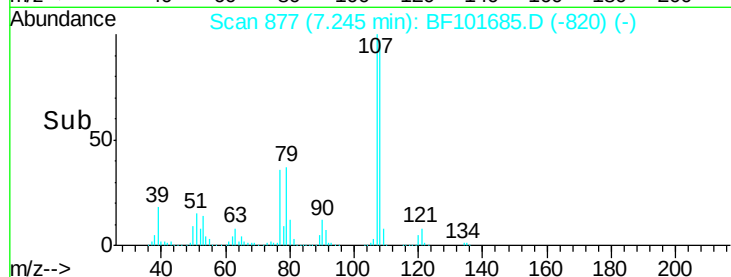
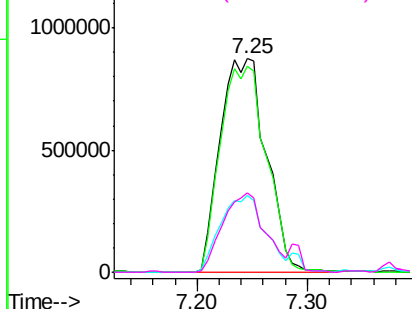
Tgt Ion:107 Resp: 2539836
Ion Ratio Lower Upper
107 100
108 96.5 68.2 108.2
77 36.0 26.7 66.7
79 37.0 6.3 46.3

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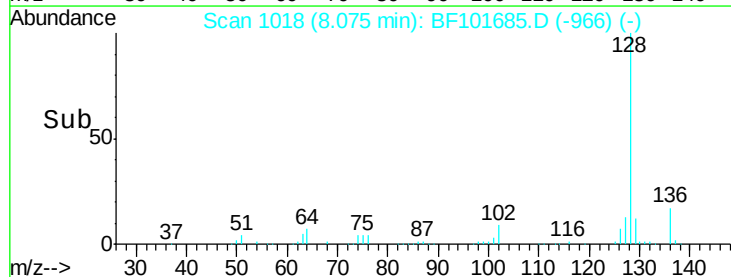
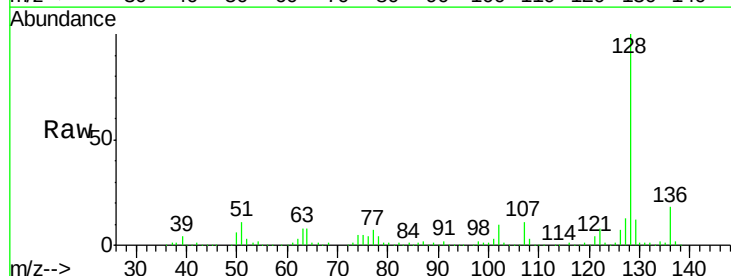
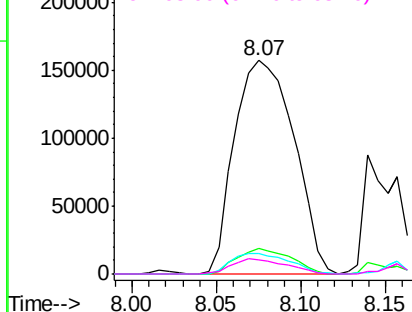
Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

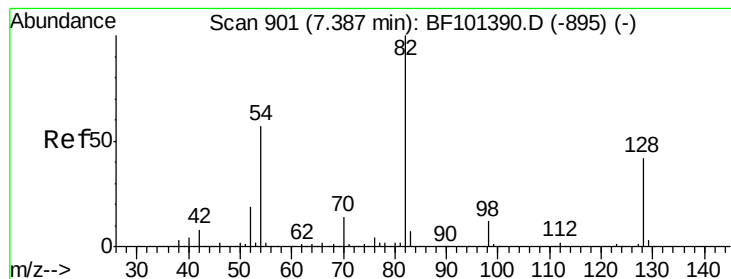


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. 0.01 min
Lab File: BF101685.D
Acq: 23 Dec 2017 6:48

Tgt Ion:136 Resp: 385607
Ion Ratio Lower Upper
136 100
137 11.8 8.9 13.3
54 9.7 6.6 9.8
68 6.9 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: 144.054 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.00 min

Lab File: BF101685.D

Acq: 23 Dec 2017 6:48

Instrument :

BNA_F

ClientSampled :

WC-4539-01

Tgt Ion: 82 Resp: 997891
Ion Ratio Lower Upper

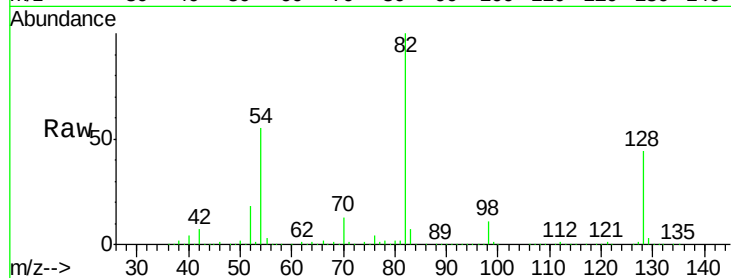
82 100

128 44.1 36.1 54.1

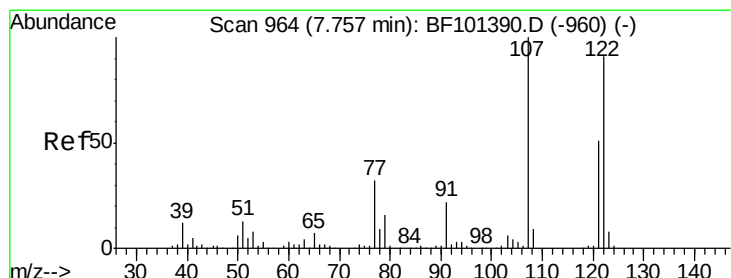
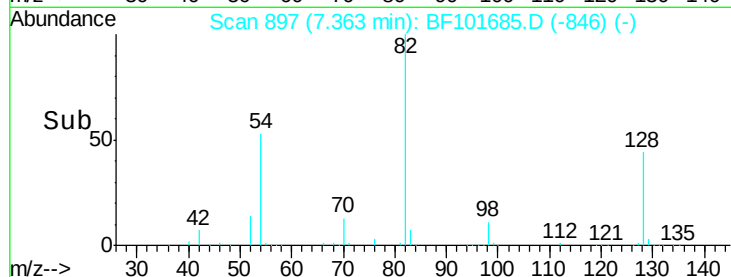
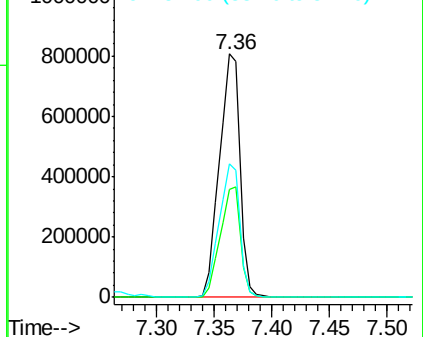
54 54.9 41.4 62.2

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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: 208.346 ng

RT: 7.76 min Scan# 965

Delta R.T. 0.03 min

Lab File: BF101685.D

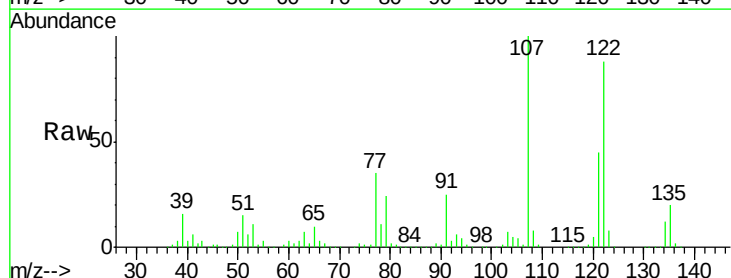
Acq: 23 Dec 2017 6:48

Tgt Ion: 122 Resp: 1165821
Ion Ratio Lower Upper

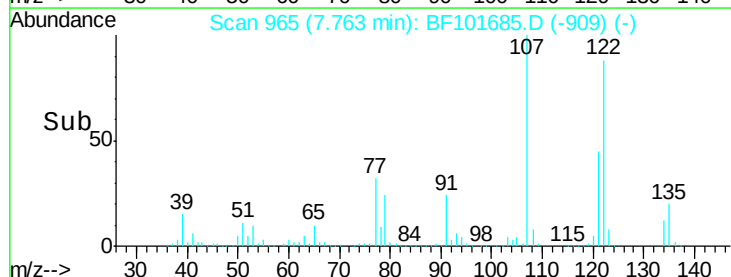
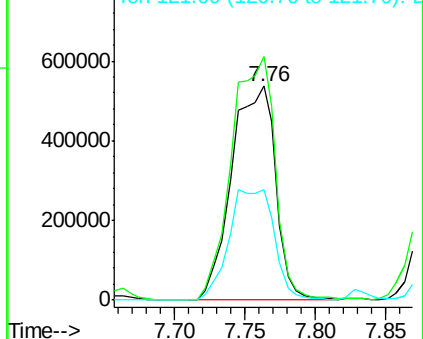
122 100

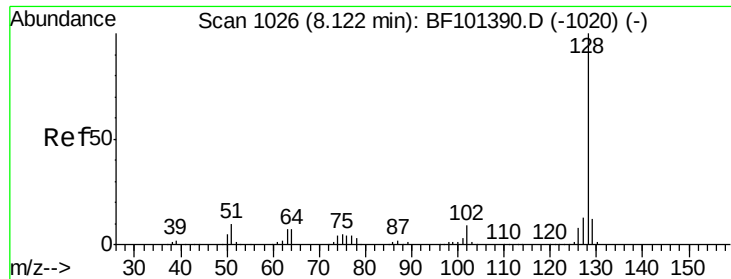
107 114.0 91.2 136.8

121 51.7 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





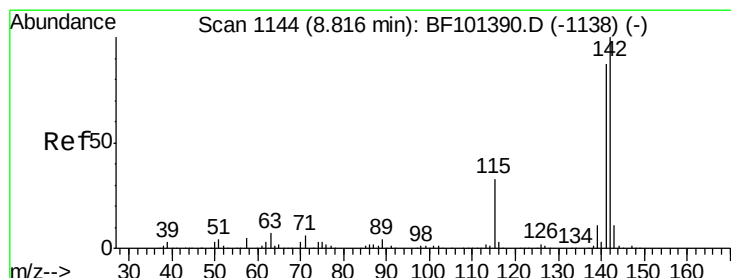
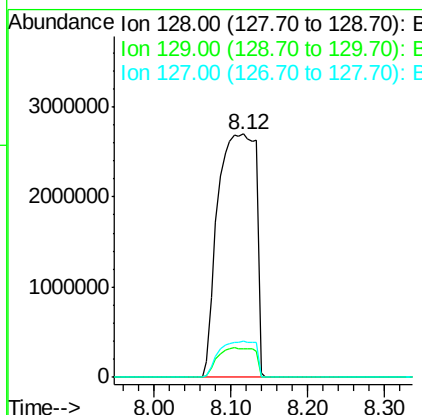
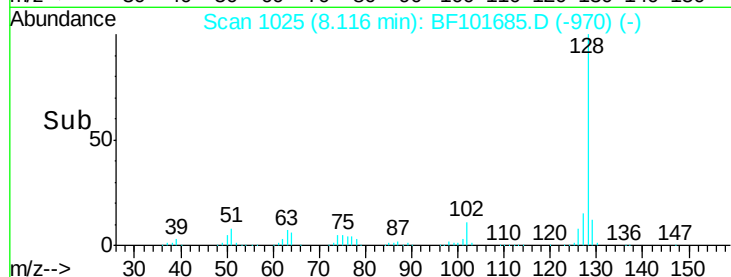
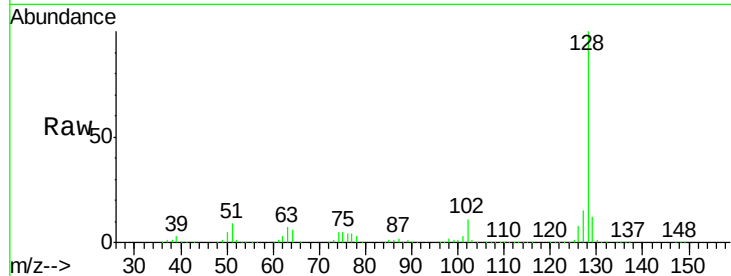
#31
Naphthalene
Concen: 475.589 ng
RT: 8.12 min Scan# 1025
Delta R.T. 0.02 min
Lab File: BF101685.D
Acq: 23 Dec 2017 6:48

Instrument :
BNA_F
ClientSampleId :
WC-4539-01

Tgt Ion:128 Resp: 9232559
Ion Ratio Lower Upper
128 100
129 11.9 8.8 13.2
127 14.7 10.9 16.3

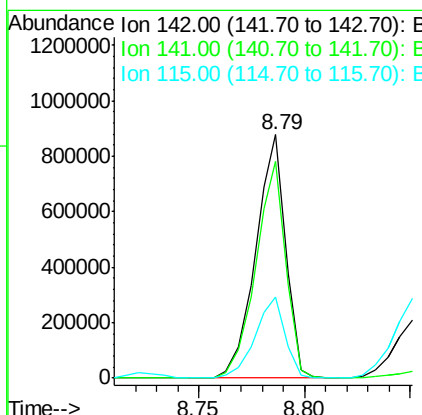
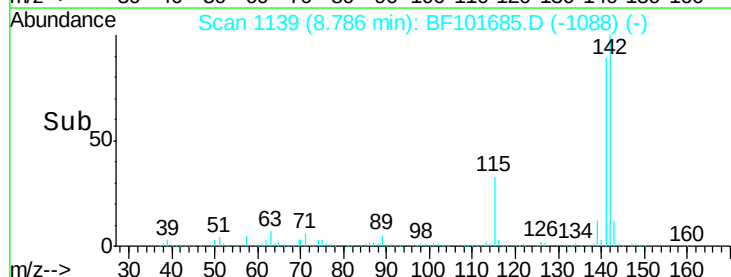
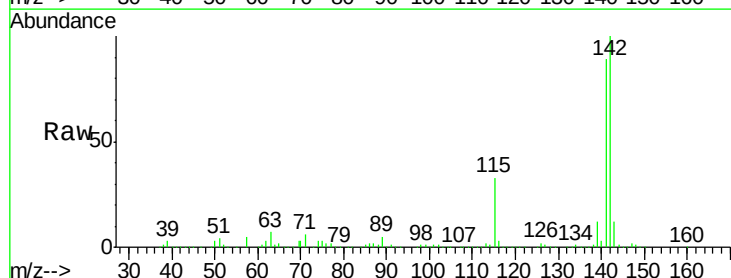
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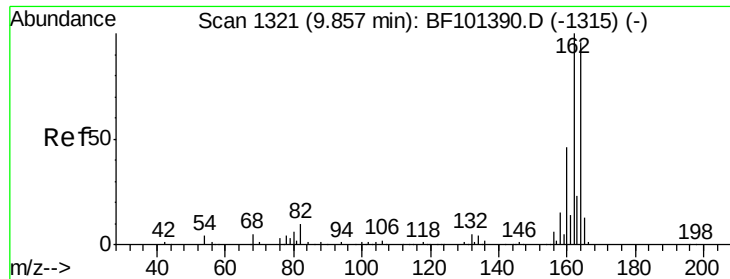
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#37
2-Methylnaphthalene
Concen: 68.537 ng
RT: 8.79 min Scan# 1139
Delta R.T. 0.00 min
Lab File: BF101685.D
Acq: 23 Dec 2017 6:48

Tgt Ion:142 Resp: 866846
Ion Ratio Lower Upper
142 100
141 89.0 70.8 106.2
115 33.3 26.1 39.1





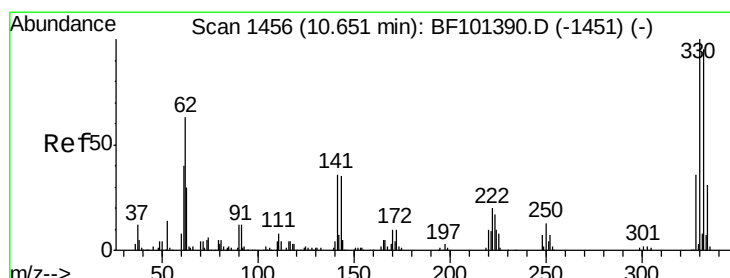
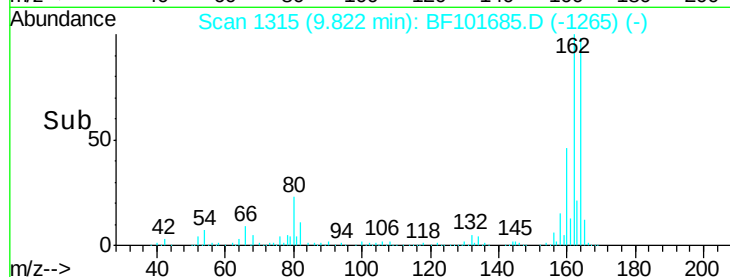
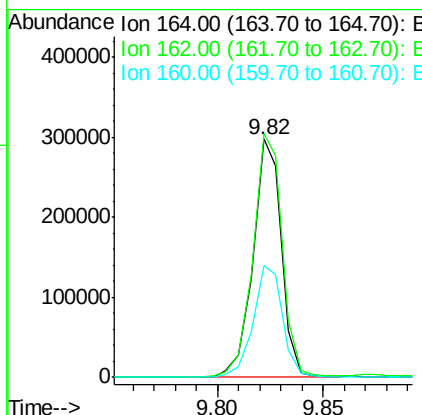
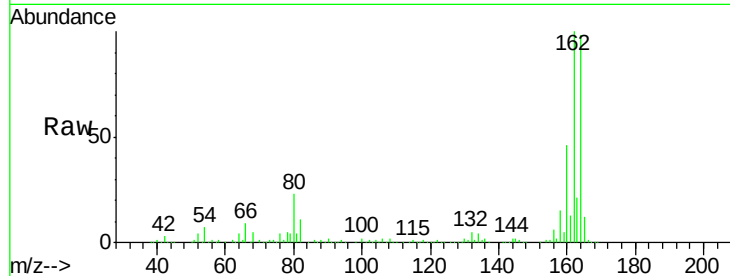
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: BF101685.D
 Acq: 23 Dec 2017 6:48

Instrument :
 BNA_F
 ClientSampleId :
 WC-4539-01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	278421		
162	102.2	86.1	129.1	
160	47.0	38.3	57.5	

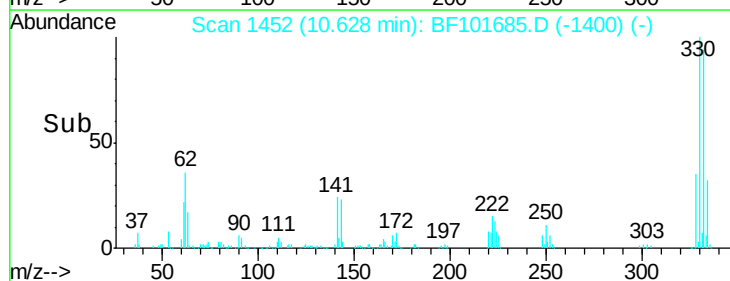
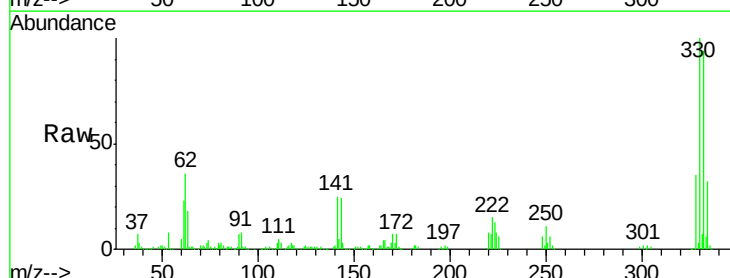
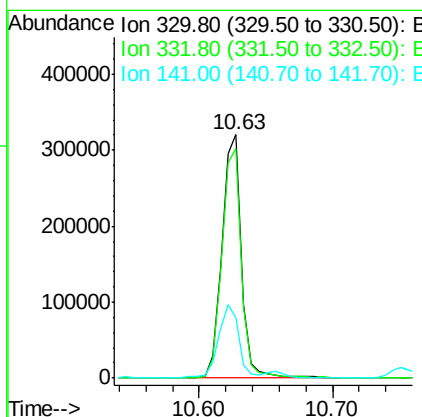
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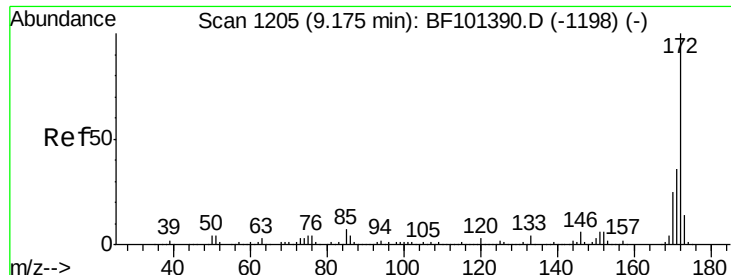
Sohil
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#41
 2,4,6-Tribromophenol
 Concen: 122.902 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.01 min
 Lab File: BF101685.D
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Tgt Ion	Ratio	Resp	Lower	Upper
330	100	329723		
332	95.3	77.0	115.6	
141	31.2	29.9	44.9	





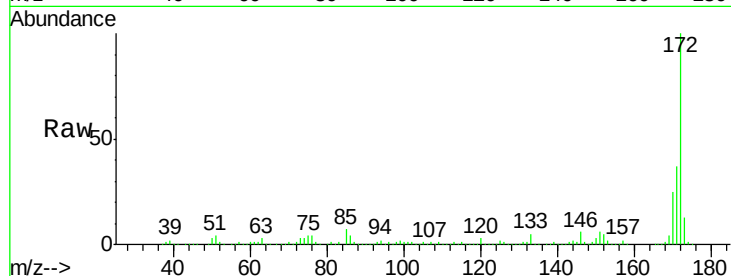
#44
 2-Fluorobiphenyl
 Concen: 87.945 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: BF101685.D
 Acq: 23 Dec 2017 6:48

Instrument :
 BNA_F
 ClientSampleId :
 WC-4539-01

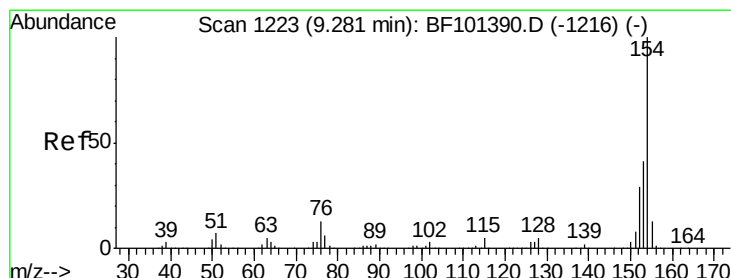
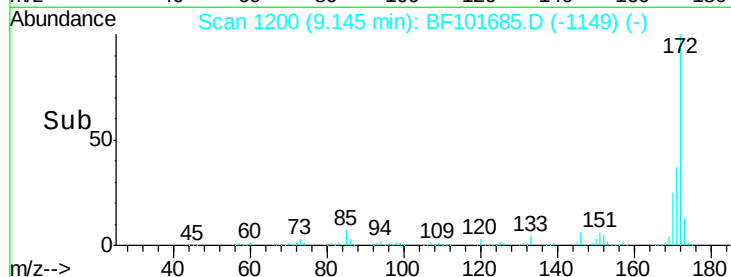
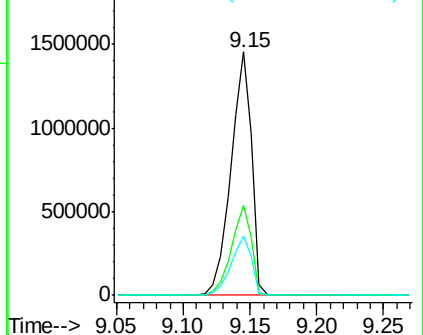
Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.1	29.7	44.5
170	24.6	19.6	29.4

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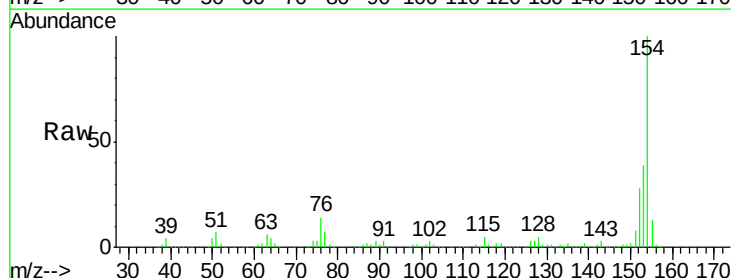


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

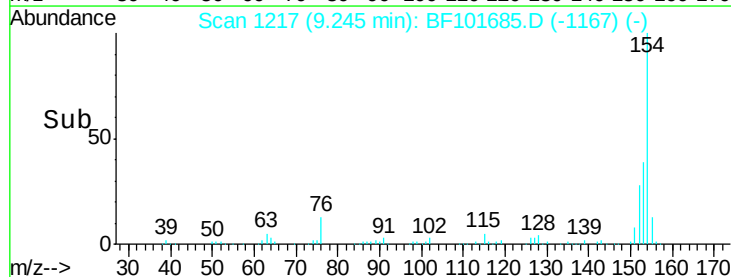
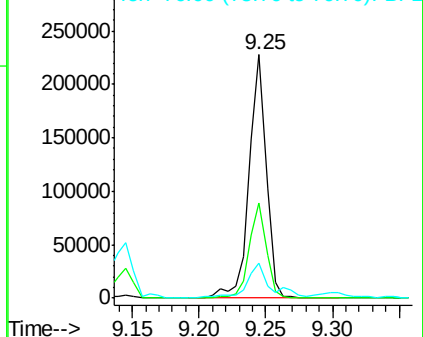


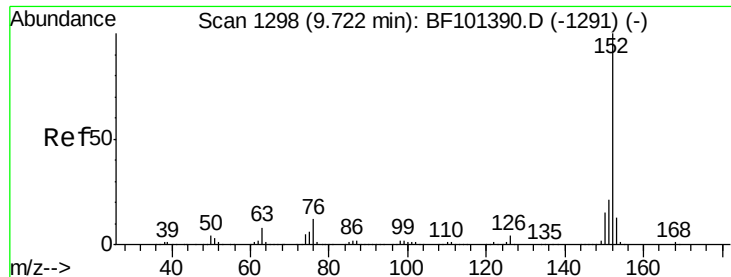
#45
 1,1'-Biphenyl
 Concen: 8.112 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF101685.D
 Acq: 23 Dec 2017 6:48

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.0	21.3	61.3
76	14.1	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: 36.491 ng

RT: 9.69 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BF101685.D

Acq: 23 Dec 2017 6:48

Instrument :

BNA_F

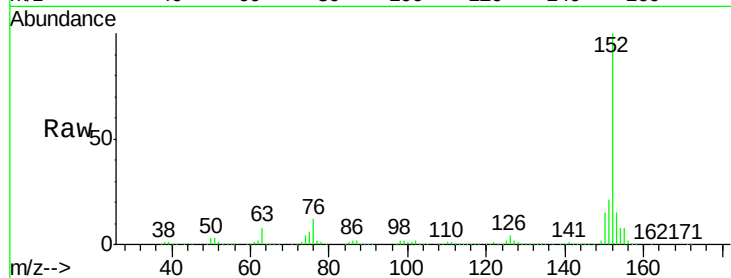
ClientSampleId :

WC-4539-01

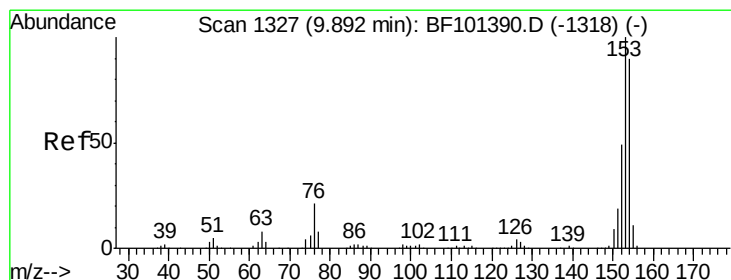
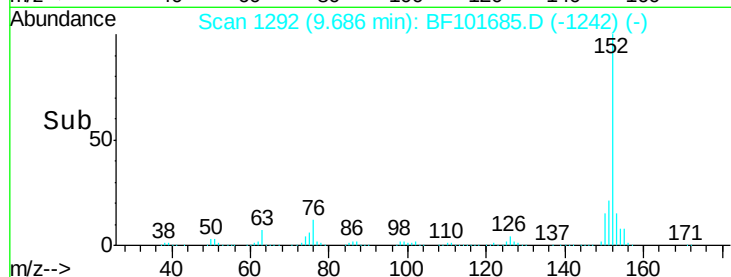
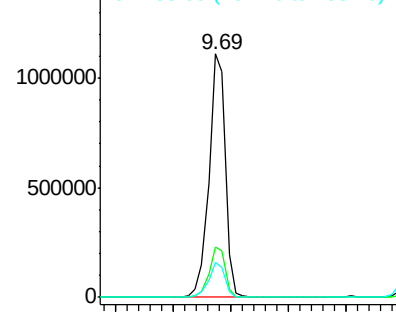
Tgt Ion:	152	Resp:	1088936
Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.3	24.5
153	14.6	10.7	16.1

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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: 14.063 ng

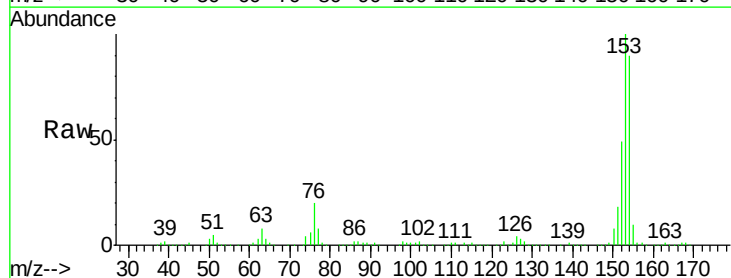
RT: 9.86 min Scan# 1321

Delta R.T. -0.01 min

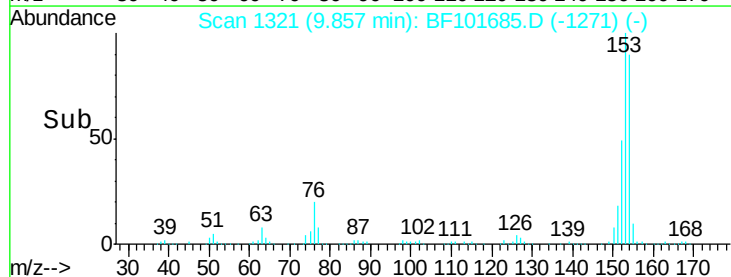
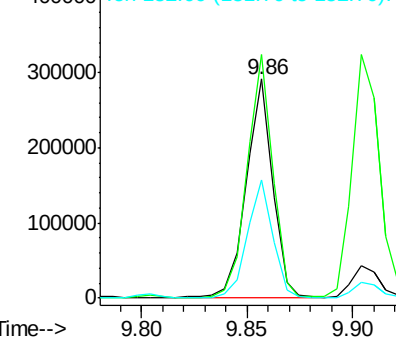
Lab File: BF101685.D

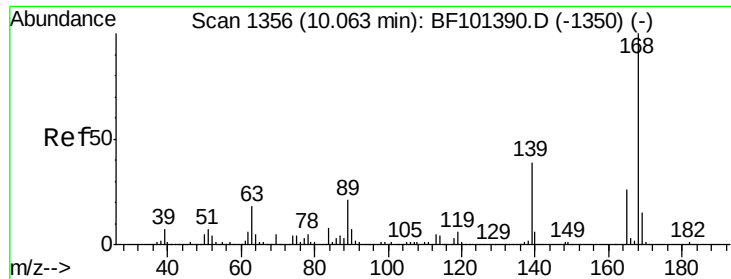
Acq: 23 Dec 2017 6:48

Tgt Ion:	154	Resp:	252122
Ion	Ratio	Lower	Upper
154	100		
153	110.9	91.2	136.8
152	53.9	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





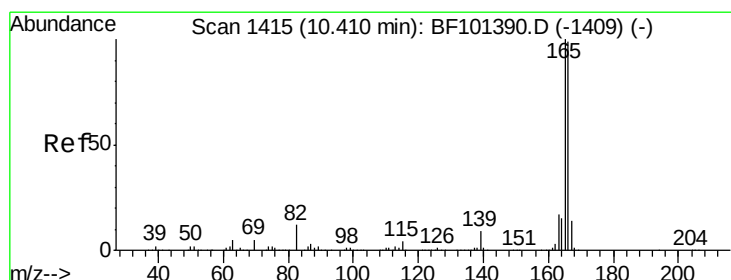
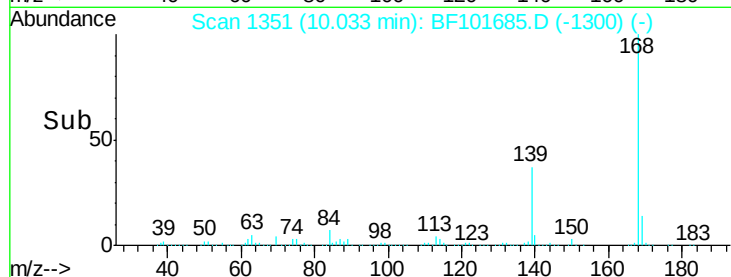
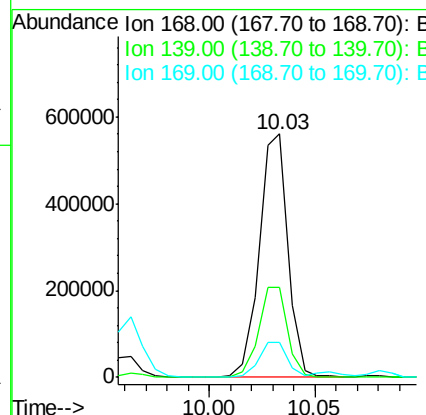
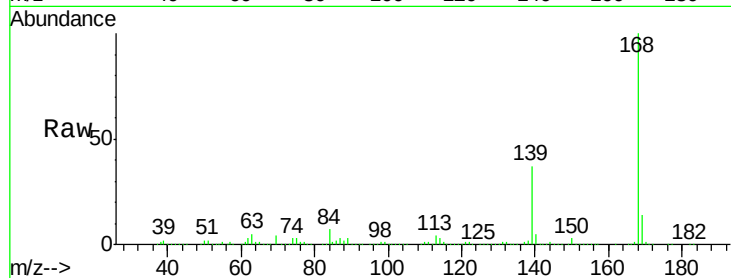
#54
Dibenzofuran
Concen: 23.251 ng
RT: 10.03 min Scan# 1351
Delta R.T. 0.00 min
Lab File: BF101685.D
Acq: 23 Dec 2017 6:48

Instrument :
BNA_F
ClientSampleId :
WC-4539-01

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	529748		
139	37.0		30.1	45.1
169	14.3		10.9	16.3

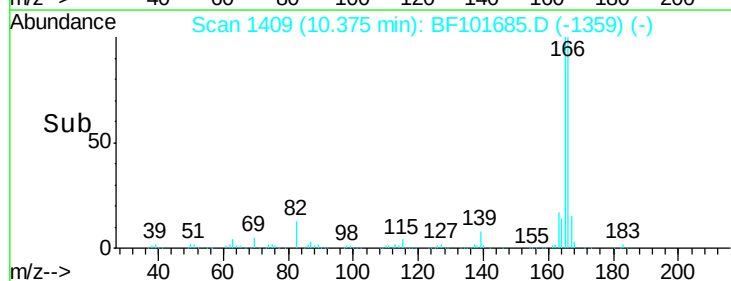
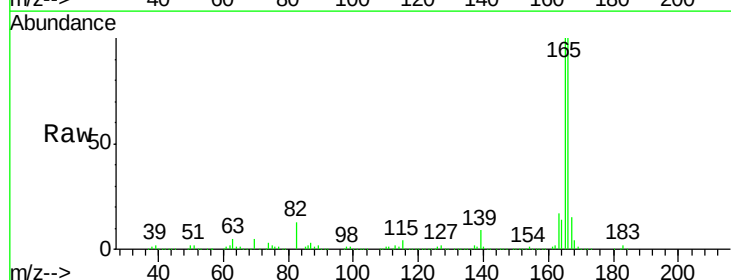
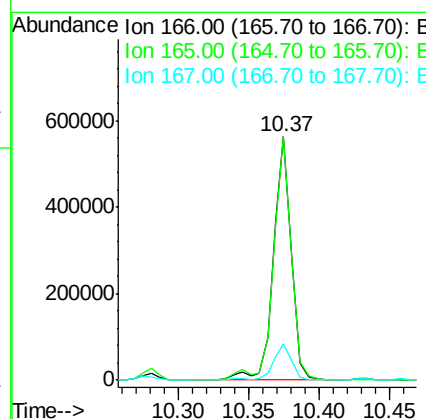
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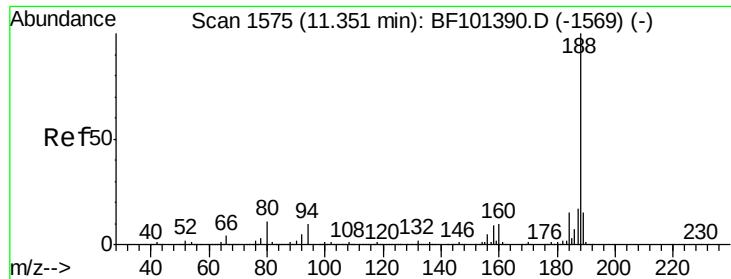
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#57
Fluorene
Concen: 25.859 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.01 min
Lab File: BF101685.D
Acq: 23 Dec 2017 6:48

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	498401		
165	99.9		79.8	119.8
167	14.9		10.6	16.0





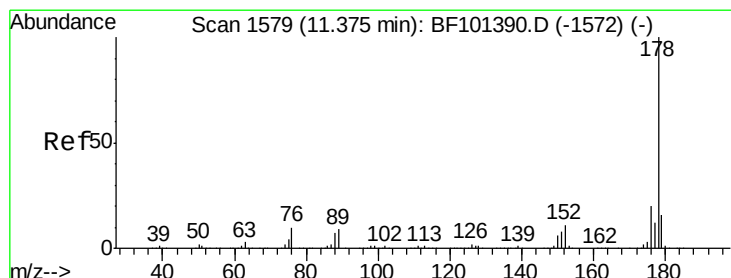
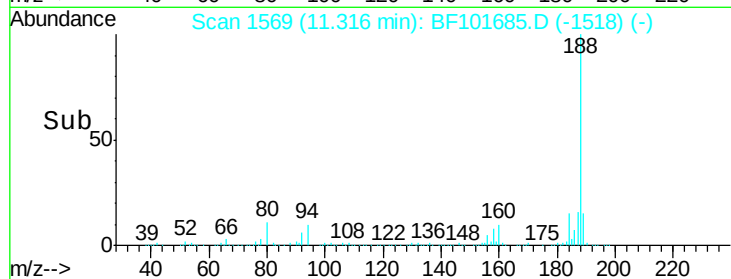
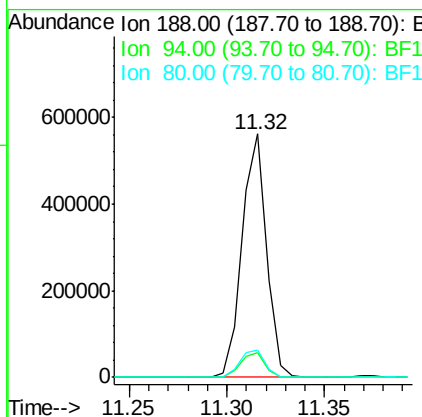
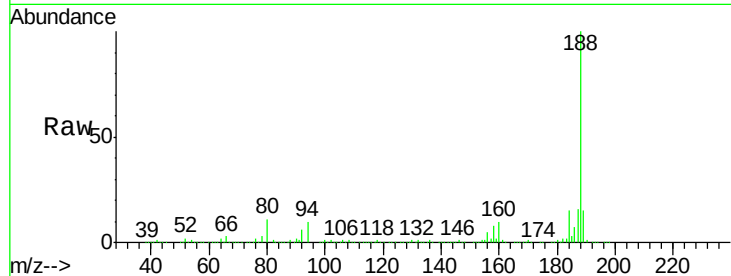
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. 0.00 min
Lab File: BF101685.D
Acq: 23 Dec 2017 6:48

Instrument :
BNA_F
ClientSampleId :
WC-4539-01

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	10.1	8.5	12.7
80	11.0	9.2	13.8

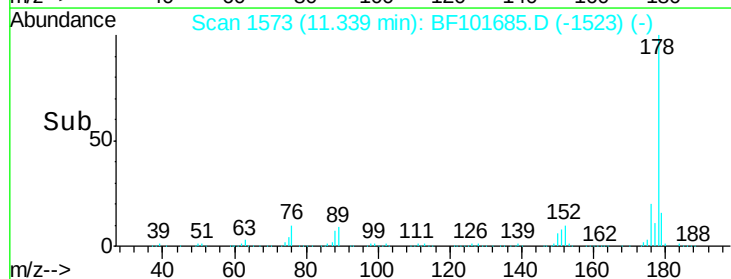
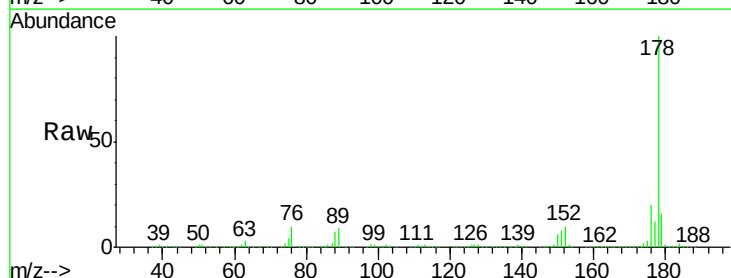
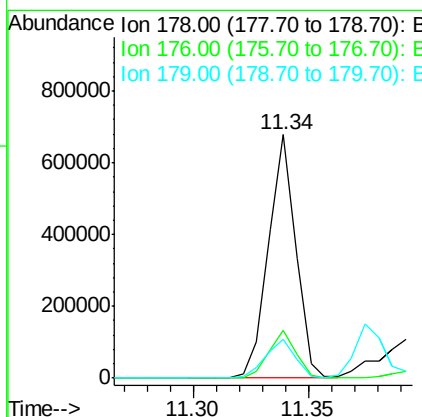
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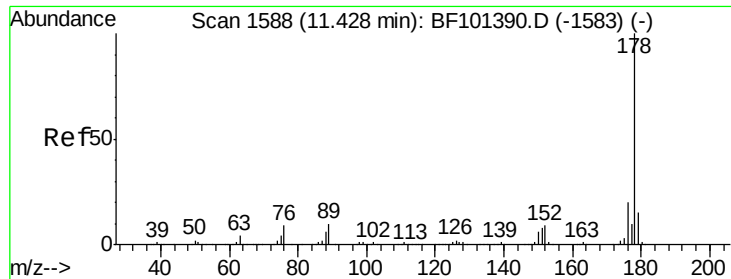
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#70
Phenanthrene
Concen: 20.802 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF101685.D
Acq: 23 Dec 2017 6:48

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.7	13.0	19.6





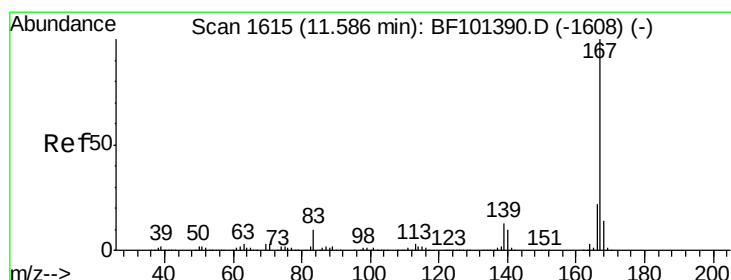
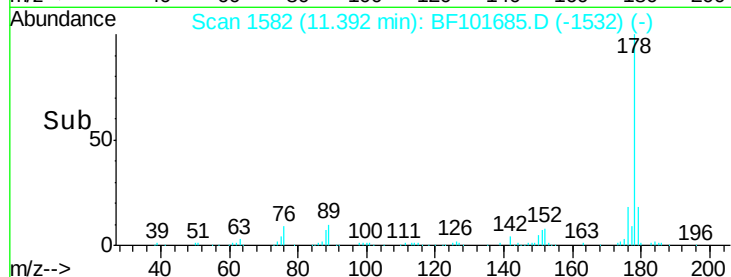
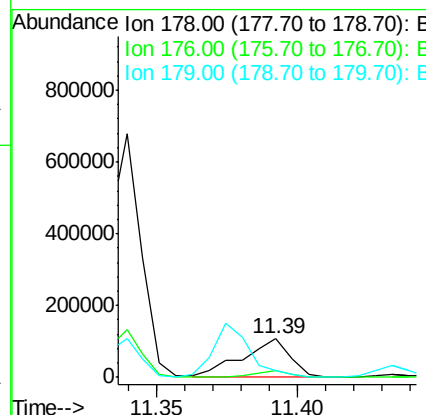
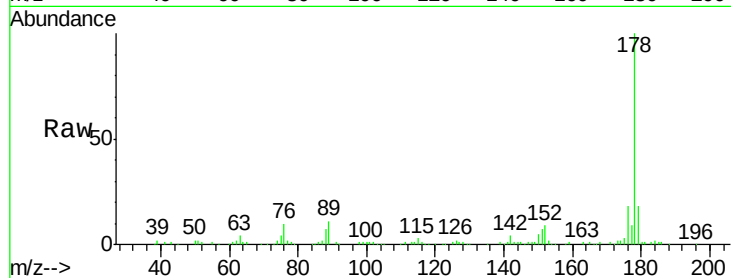
#71
 Anthracene
 Concen: 4.575 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: BF101685.D
 Acq: 23 Dec 2017 6:48

Instrument :
 BNA_F
 ClientSampleId :
 WC-4539-01

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.2
179	18.3	12.6	19.0

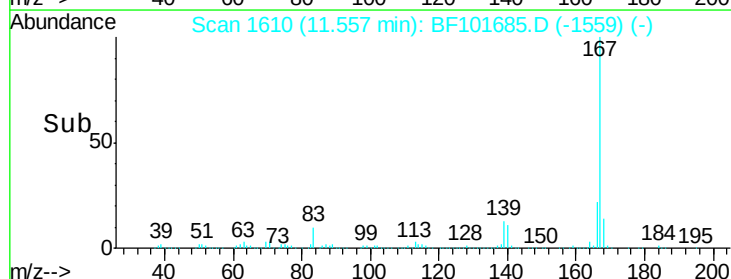
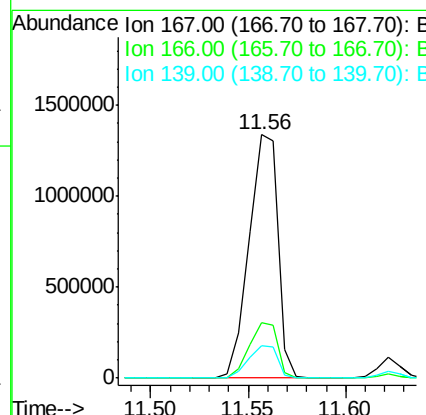
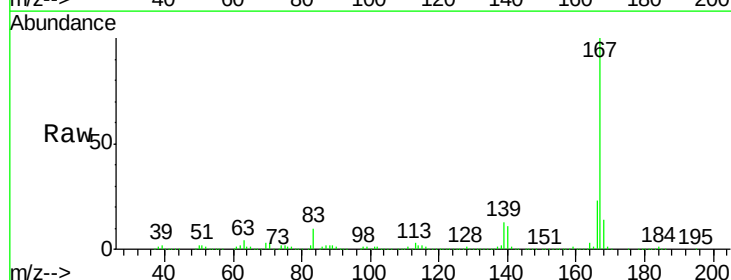
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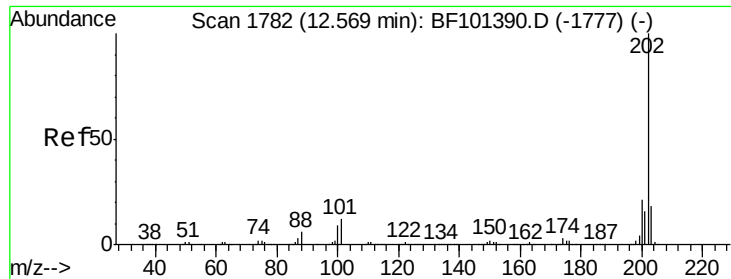
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#72
 Carbazole
 Concen: 53.417 ng
 RT: 11.56 min Scan# 1610
 Delta R.T. 0.00 min
 Lab File: BF101685.D
 Acq: 23 Dec 2017 6:48

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.6	26.4
139	13.4	10.9	16.3





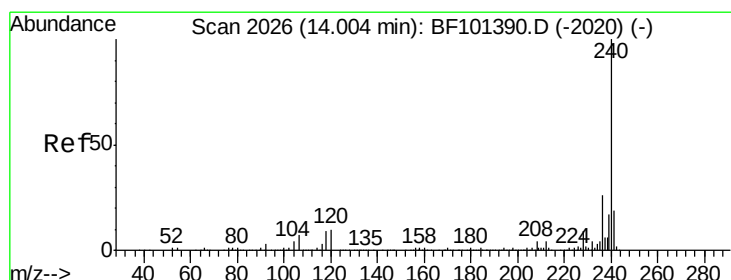
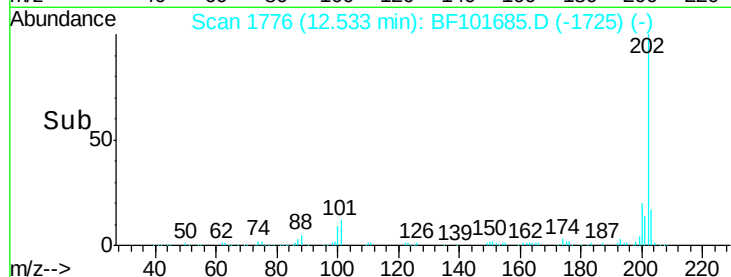
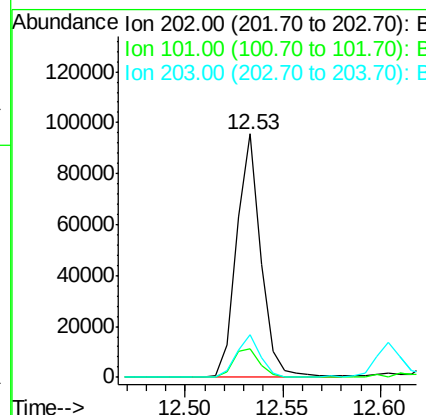
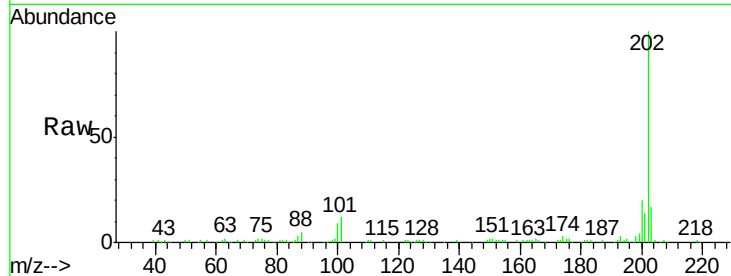
#74
Fluoranthene
Concen: 2.900 ng
RT: 12.53 min Scan# 1776
Delta R.T. 0.00 min
Lab File: BF101685.D
Acq: 23 Dec 2017 6:48

Instrument :
BNA_F
ClientSampleId :
WC-4539-01

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	11.8	0.0	34.1
203	17.5	0.0	38.1

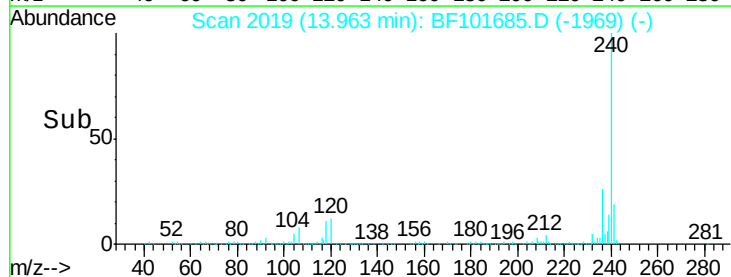
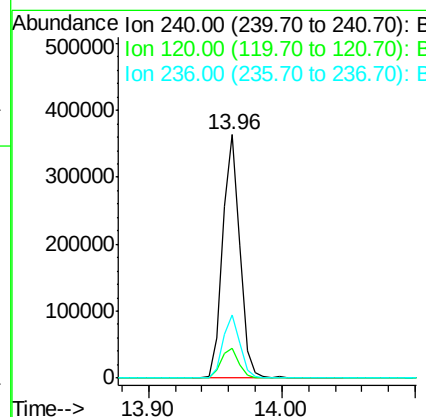
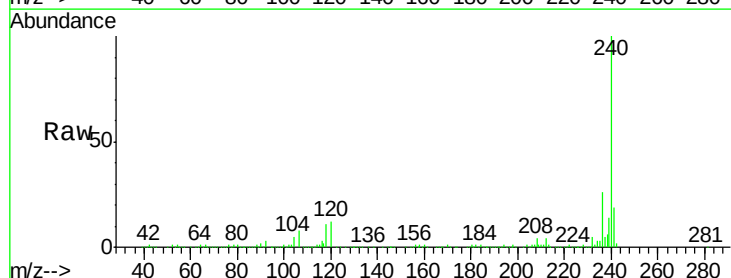
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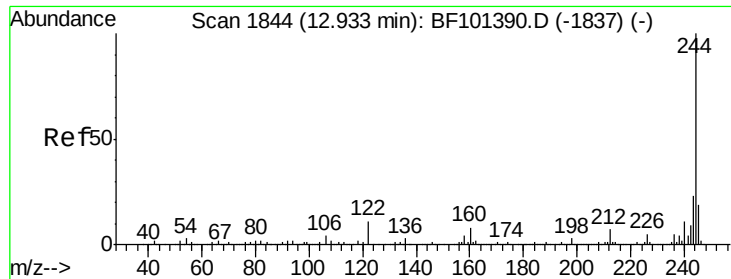
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#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF101685.D
Acq: 23 Dec 2017 6:48

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	12.4	9.5	14.3
236	26.2	20.7	31.1





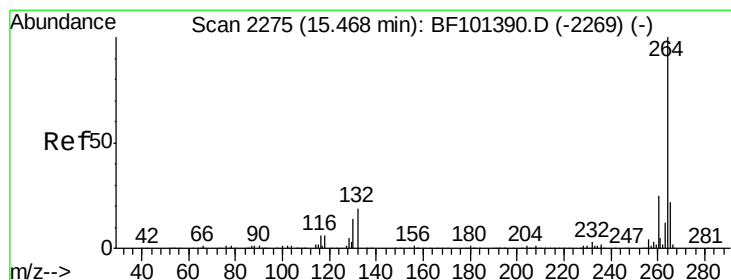
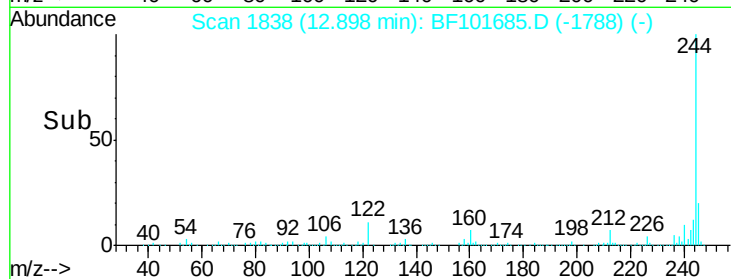
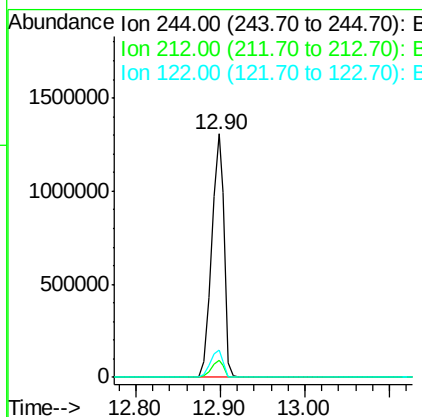
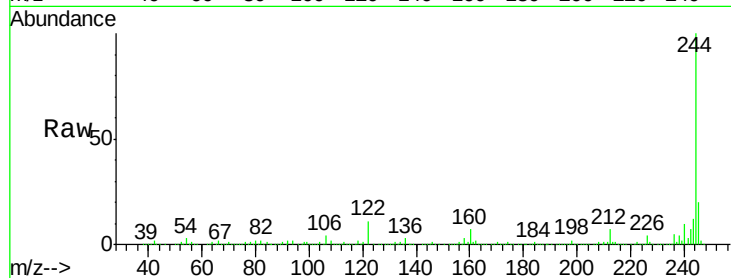
#78
 Terphenyl-d14
 Concen: 99.889 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. -0.01 min
 Lab File: BF101685.D
 Acq: 23 Dec 2017 6:48

Instrument :
 BNA_F
 ClientSampleId :
 WC-4539-01

Tgt Ion:244 Resp: 1373538
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 11.1 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: BF101685.D
 Acq: 23 Dec 2017 6:48

Tgt Ion:264 Resp: 291450
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.2 28.8
 265 22.1 17.5 26.3

