

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122217\
 Data File : BF101692.D
 Acq On : 23 Dec 2017 9:56
 Operator : SJ/JU
 Sample : I6839-03
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-41446854-01

Manual Integrations
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 12/26/2017 1:37:56 PM

Quant Time: Dec 26 10:59:53 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	162494	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	523817	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	279869	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	486346	20.00	ng	0.00
75) Chrysene-d12	13.96	240	327905	20.00	ng	0.00
86) Perylene-d12	15.43	264	297492	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	1260344	115.54	ng	0.02
7) Phenol-d6	6.44	99	1305100	96.13	ng	0.00
23) Nitrobenzene-d5	7.36	82	997946	106.05	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	348106	129.08	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1616297	89.59	ng	0.00
78) Terphenyl-d14	12.90	244	1383048	101.68	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Pyridine	3.58	79	68486m	4.398	ng	
10) Phenol	6.46	94	1871769	120.964	ng	97
17) 2-Methylphenol	7.05	107	423270	40.099	ng	99
20) 3+4-Methylphenols	7.22	107	1389939	124.262	ng	85
27) 2,4-Dimethylphenol	7.73	122	332943	43.801	ng	99
31) Naphthalene	8.11	128	6107369	231.595	ng	98
37) 2-Methylnaphthalene	8.78	142	335102	19.504	ng	98
45) 1,1'-Biphenyl	9.25	154	78965	3.181	ng	97
48) Acenaphthylene	9.69	152	262889	8.764	ng	99
51) Acenaphthene	9.86	154	56562	3.139	ng	98
54) Dibenzofuran	10.03	168	214951	9.385	ng	99
57) Fluorene	10.37	166	174077	8.985	ng	98
70) Phenanthrene	11.34	178	241731	8.938	ng	99
72) Carbazole	11.55	167	695304	26.881	ng	99

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

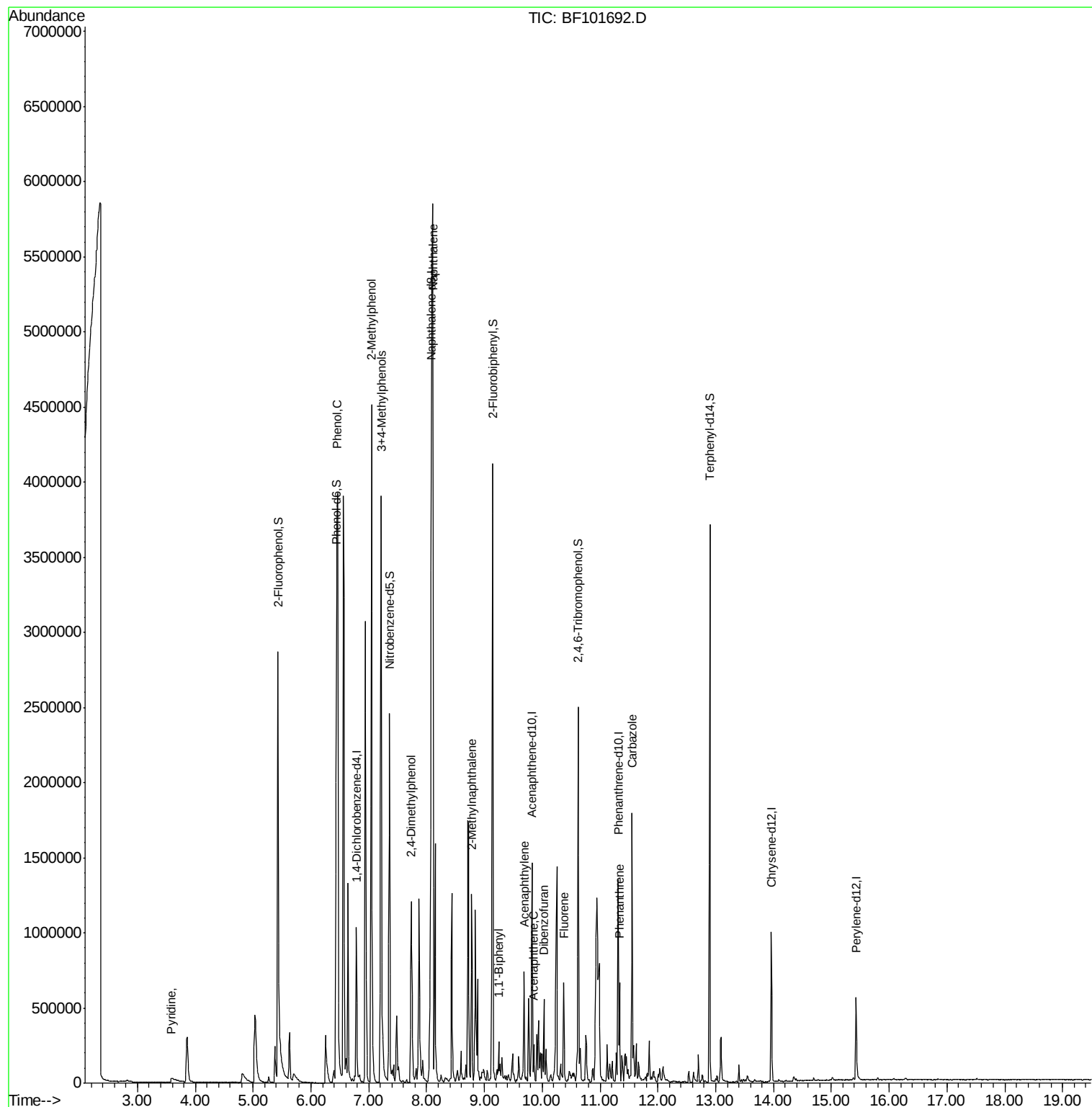
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122217\
Data File : BF101692.D
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ALS Vial : 42 Sample Multiplier: 1

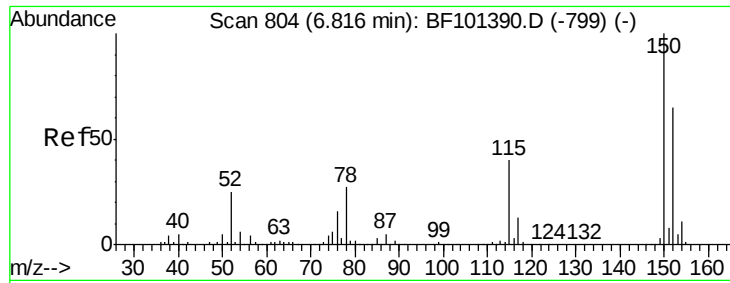
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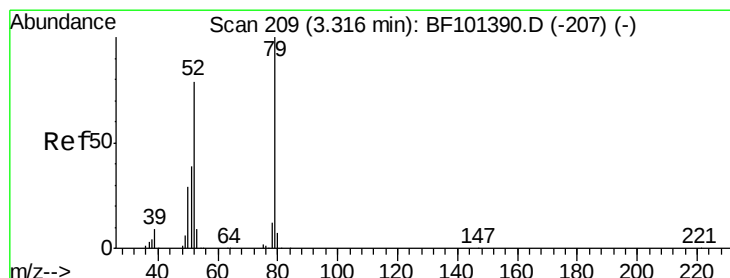
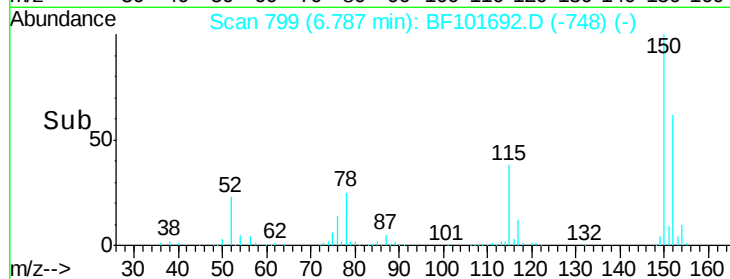
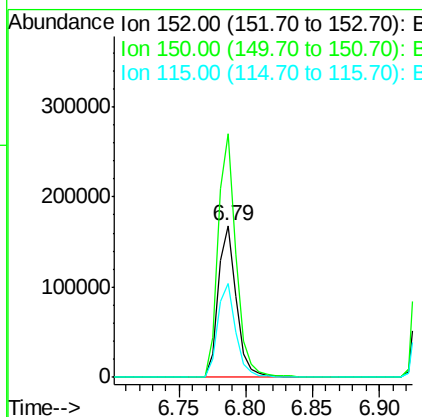
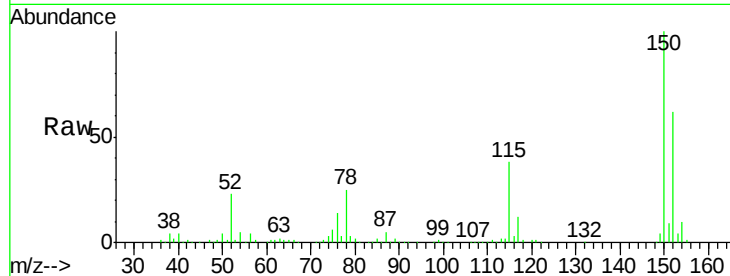
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.00 min
Lab File: BF101692.D
Acq: 23 Dec 2017 9:56

Instrument :
BNA_F
ClientSampled :
WC-41446854-01

Tgt Ion	Ratio	Lower	Upper
152	100		
150	160.5	124.6	186.8
115	61.6	50.1	75.1

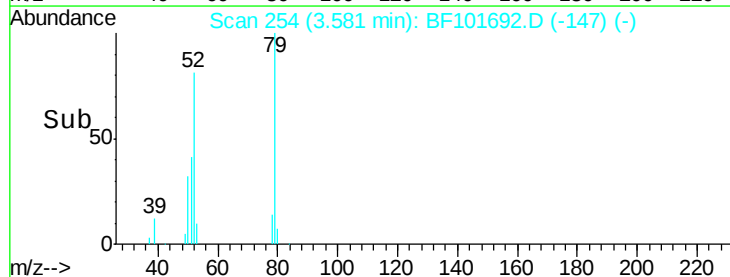
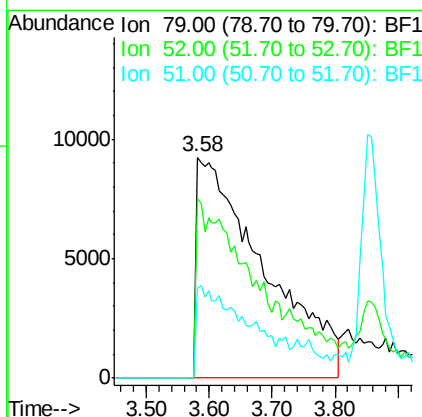
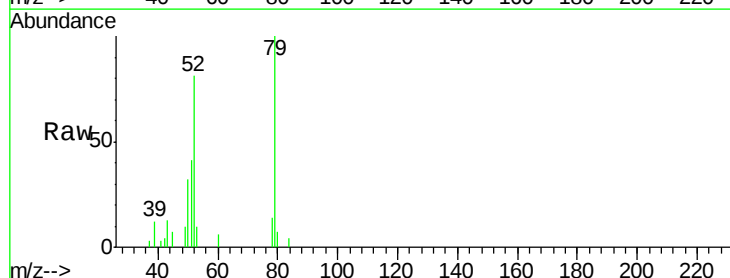
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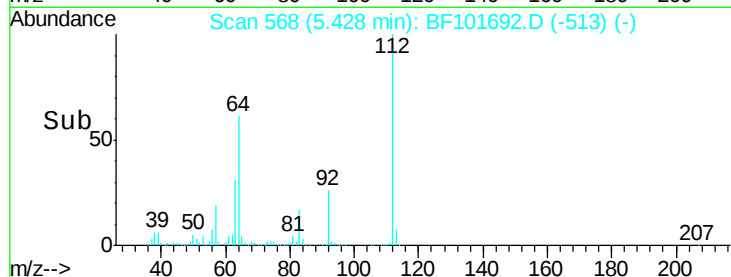
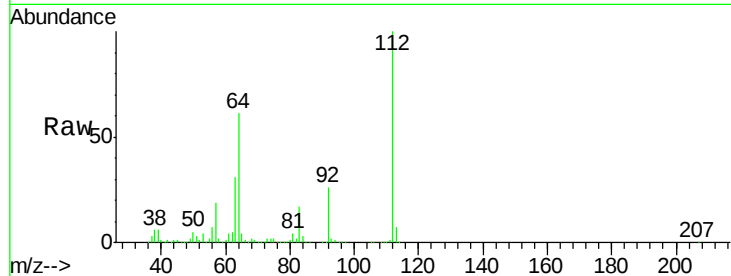
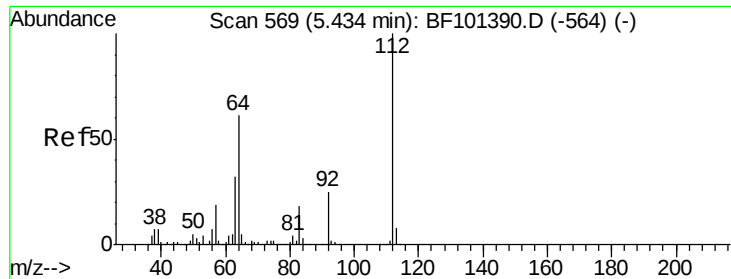
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#3
Pyridine
Concen: 4.398 ng m
RT: 3.58 min Scan# 254
Delta R.T. 0.33 min
Lab File: BF101692.D
Acq: 23 Dec 2017 9:56

Tgt Ion	Ratio	Lower	Upper
79	100		
52	81.5	59.8	89.6
51	41.0	29.8	44.8





#5

2-Fluorophenol

Concen: 115.535 ng

RT: 5.43 min Scan# 568

Delta R.T. 0.02 min

Lab File: BF101692.D

Acq: 23 Dec 2017 9:56

Tgt Ion:	112	Resp:	1260344
Ion	Ratio	Lower	Upper
112	100		
64	60.9	47.9	71.9
63	30.8	23.7	35.5

Instrument :

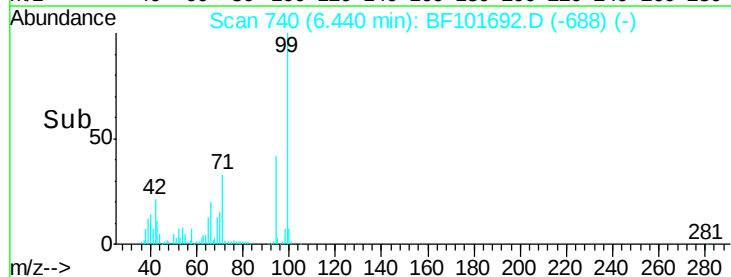
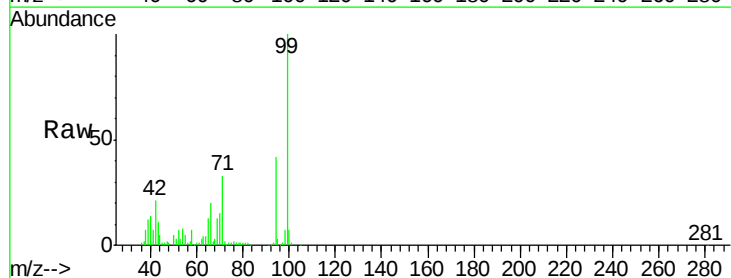
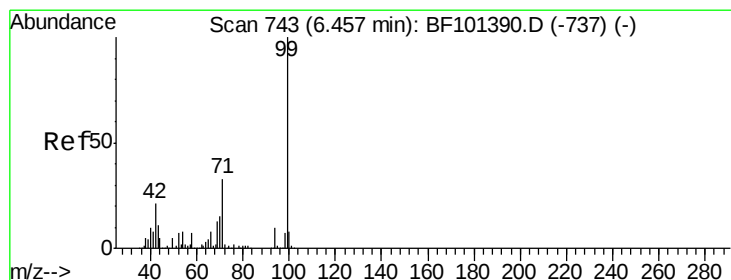
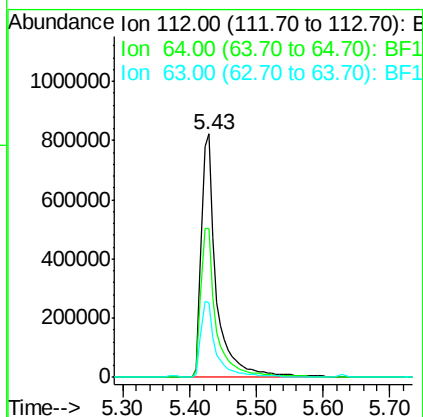
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ClientSampleId :

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#7

Phenol-d6

Concen: 96.131 ng

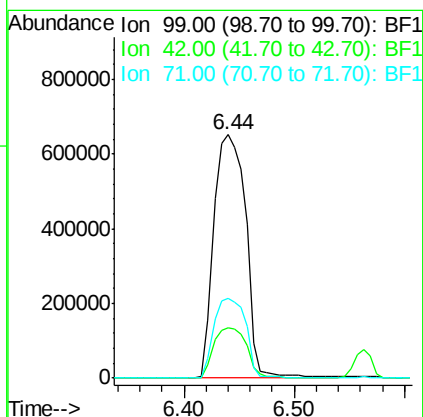
RT: 6.44 min Scan# 740

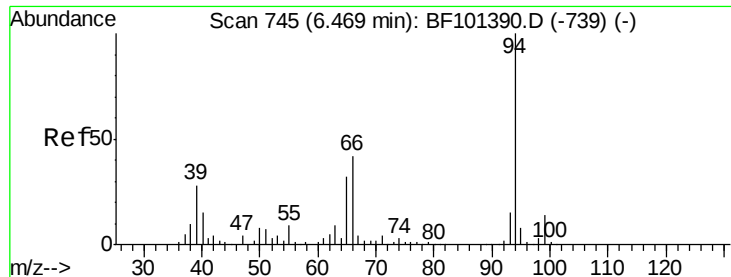
Delta R.T. 0.01 min

Lab File: BF101692.D

Acq: 23 Dec 2017 9:56

Tgt Ion:	99	Resp:	1305100
Ion	Ratio	Lower	Upper
99	100		
42	20.5	14.5	21.7
71	32.8	25.4	38.0





#10

Phenol

Concen: 120.964 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.02 min

Lab File: BF101692.D

Acq: 23 Dec 2017 9:56

Instrument :

BNA_F

ClientSampleId :

WC-41446854-01

Tgt Ion: 94 Resp: 1871769

Ion Ratio Lower Upper

94 100

65 29.1 7.9 47.9

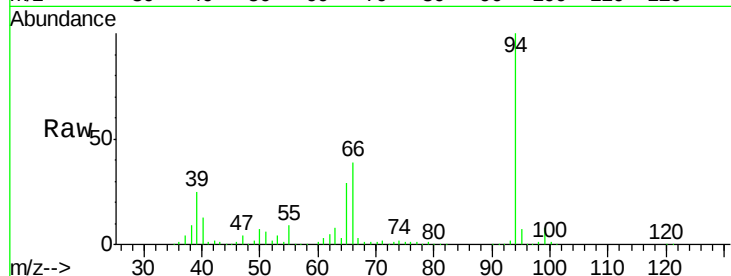
66 38.8 16.2 56.2

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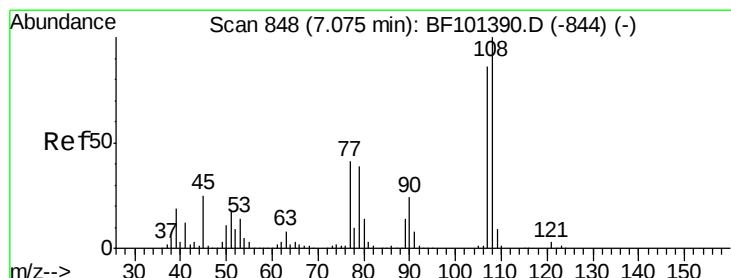
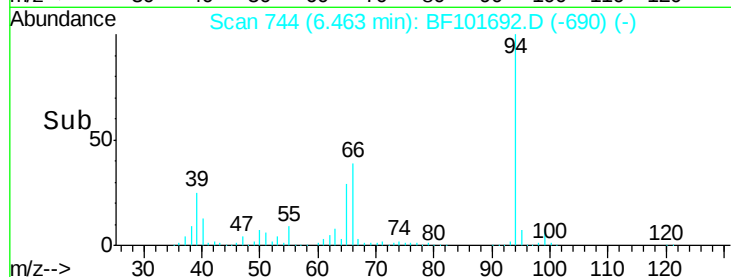
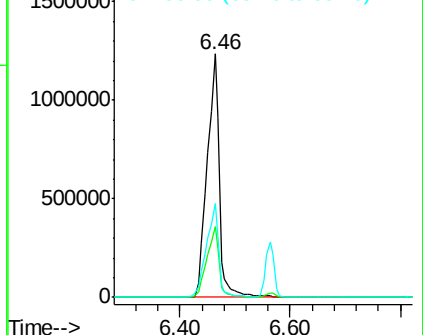
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Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1



#17

2-Methylphenol

Concen: 40.099 ng

RT: 7.05 min Scan# 844

Delta R.T. 0.00 min

Lab File: BF101692.D

Acq: 23 Dec 2017 9:56

Tgt Ion: 107 Resp: 423270

Ion Ratio Lower Upper

107 100

108 113.7 91.7 137.5

77 42.4 33.8 50.8

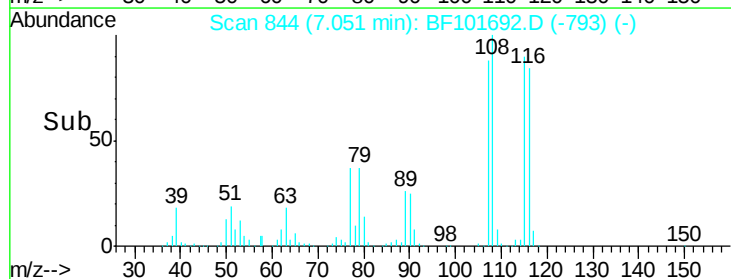
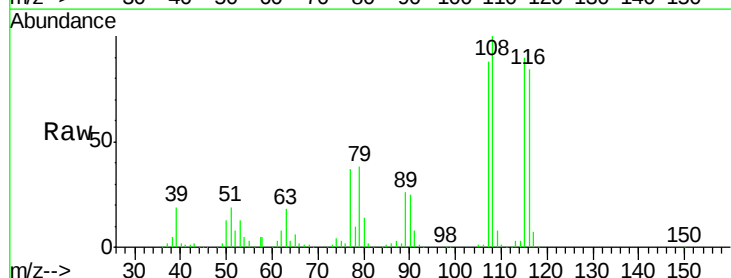
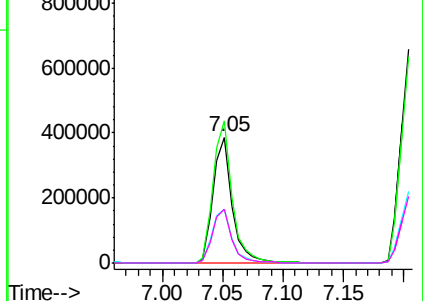
79 42.9 33.8 50.8

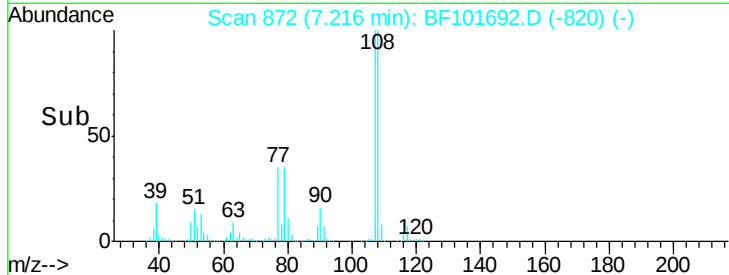
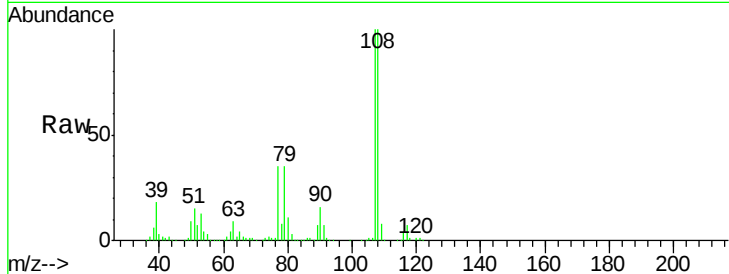
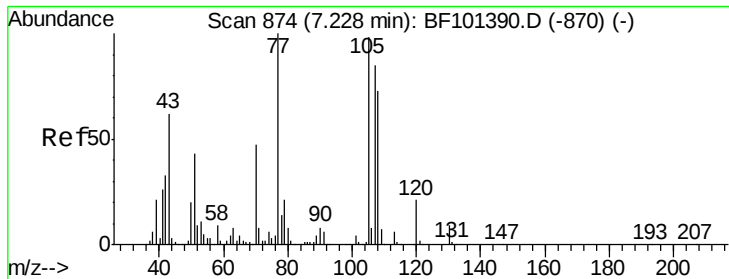
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

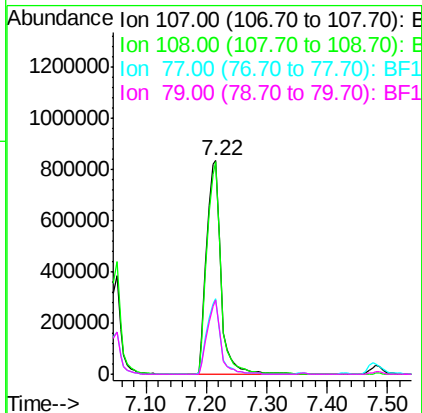
Ion 79.00 (78.70 to 79.70): BF1





#20
3+4-Methylphenols
Concen: 124.262 ng
RT: 7.22 min Scan# 872
Delta R.T. 0.01 min
Lab File: BF101692.D
Acq: 23 Dec 2017 9:56

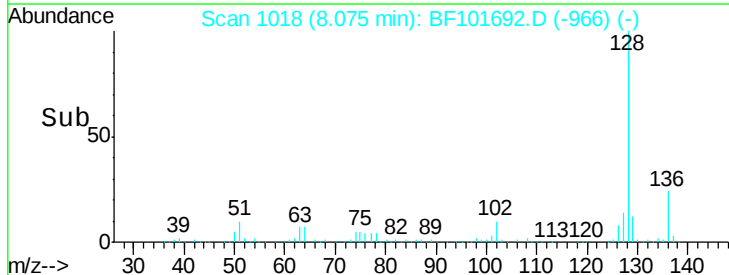
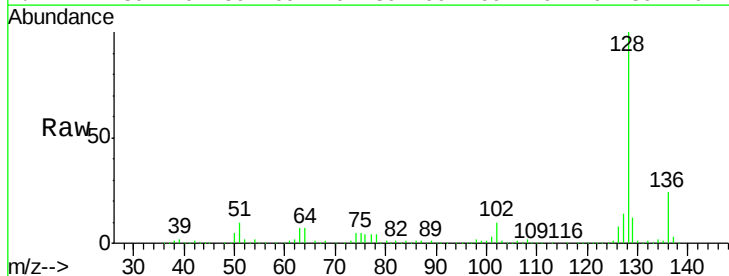
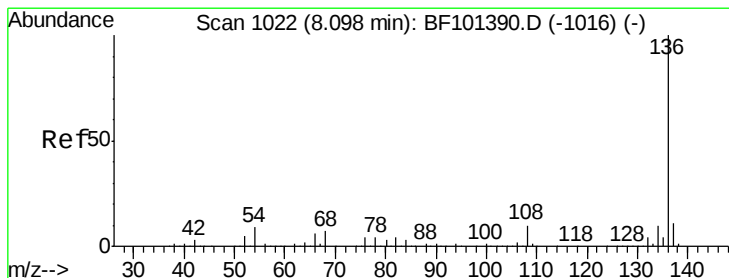
Tgt Ion	Ratio	Lower	Upper
107	100		
108	99.6	68.2	108.2
77	35.1	26.7	66.7
79	34.9	6.3	46.3



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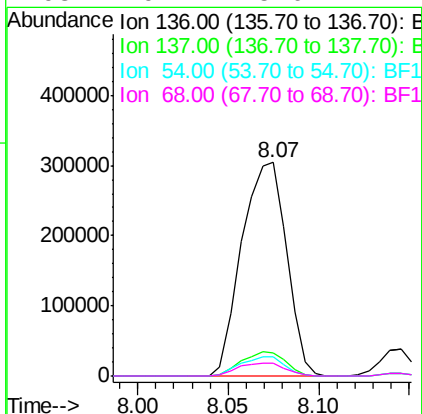
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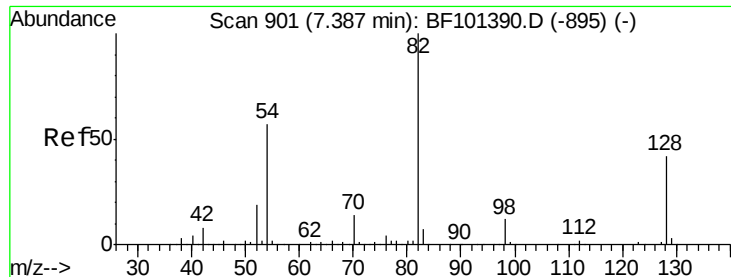
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. 0.01 min
Lab File: BF101692.D
Acq: 23 Dec 2017 9:56

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	8.8	6.6	9.8
68	6.2	5.0	7.4





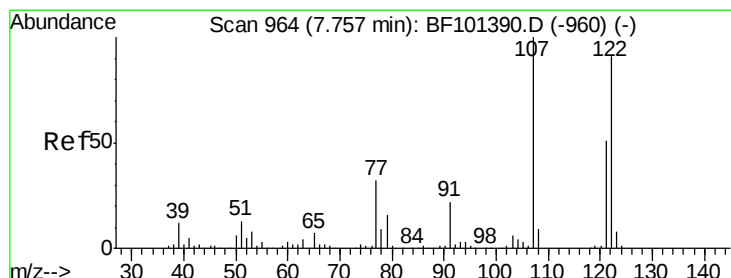
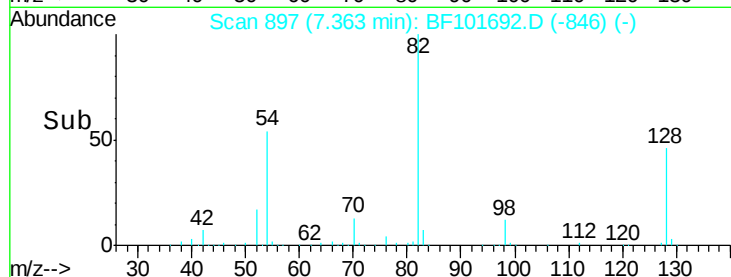
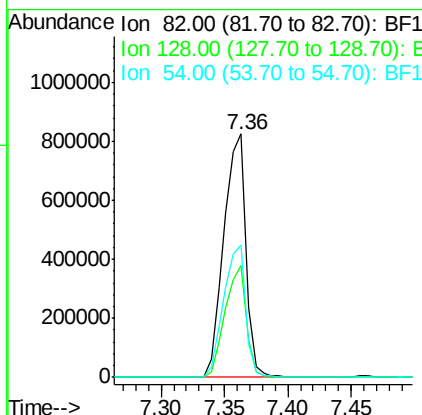
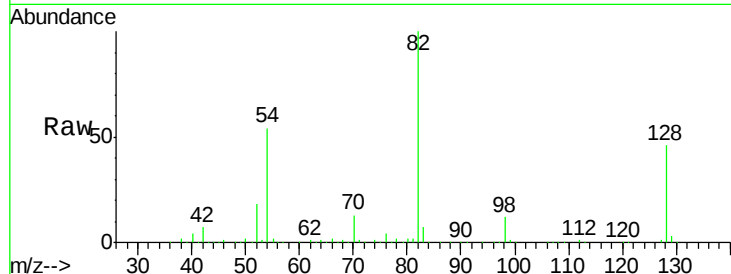
#23
 Nitrobenzene-d5
 Concen: 106.051 ng
 RT: 7.36 min Scan# 897
 Delta R.T. 0.00 min
 Lab File: BF101692.D
 Acq: 23 Dec 2017 9:56

Instrument :
 BNA_F
 ClientSampleId :
 WC-41446854-01

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	997946		
128	46.1	36.1	54.1	
54	54.4	41.4	62.2	

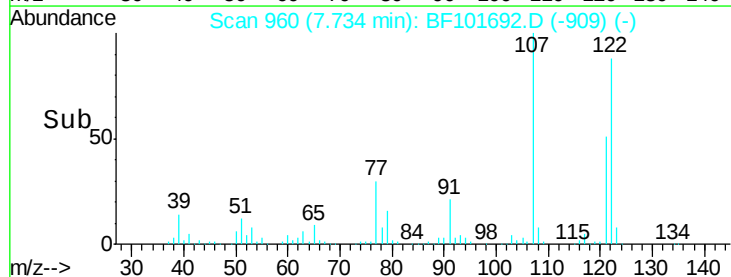
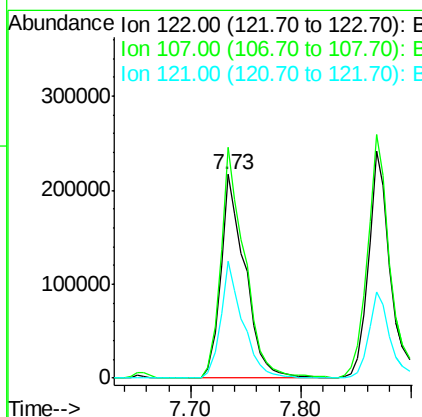
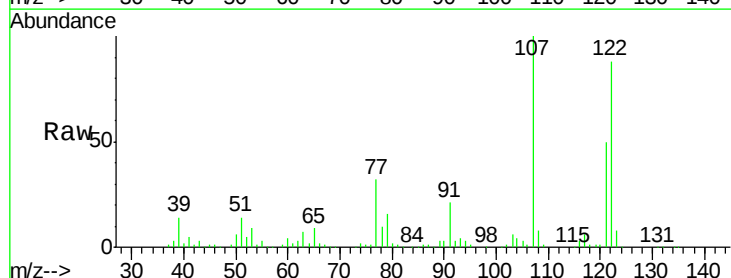
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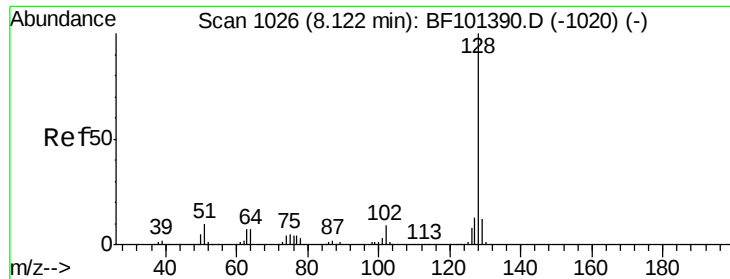
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#27
 2,4-Dimethylphenol
 Concen: 43.801 ng
 RT: 7.73 min Scan# 960
 Delta R.T. 0.00 min
 Lab File: BF101692.D
 Acq: 23 Dec 2017 9:56

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	332943		
107	113.7	91.2	136.8	
121	57.3	47.2	70.8	





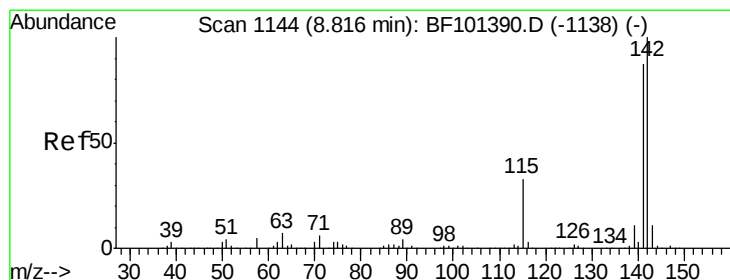
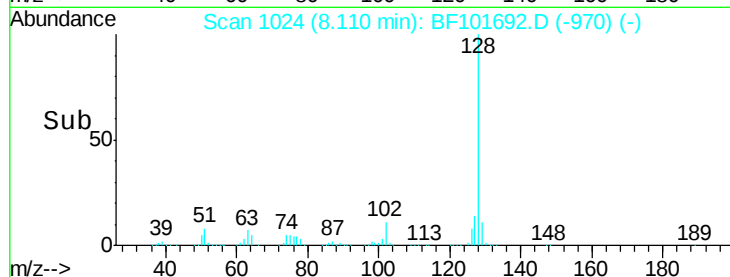
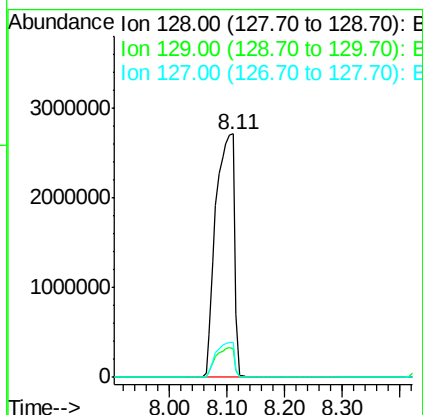
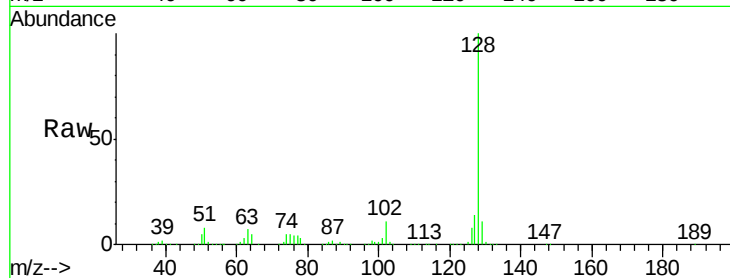
#31
Naphthalene
Concen: 231.595 ng
RT: 8.11 min Scan# 1024
Delta R.T. 0.02 min
Lab File: BF101692.D
Acq: 23 Dec 2017 9:56

Instrument :
BNA_F
ClientSampleId :
WC-41446854-01

Tgt Ion:128 Resp: 6107369
Ion Ratio Lower Upper
128 100
129 11.5 8.8 13.2
127 14.4 10.9 16.3

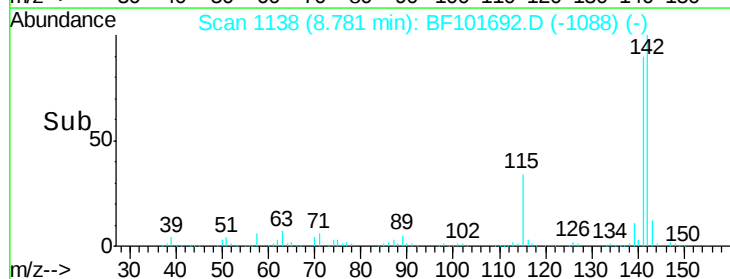
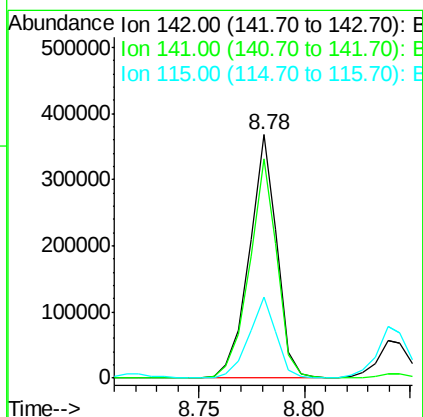
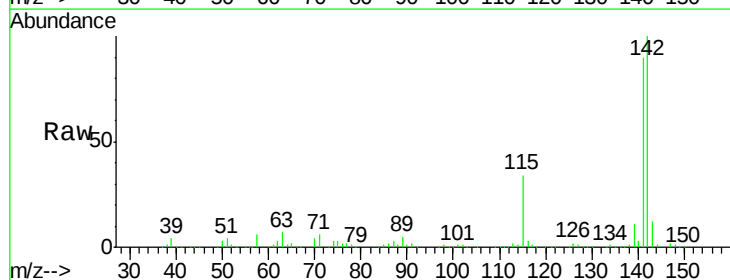
Manual Integrations
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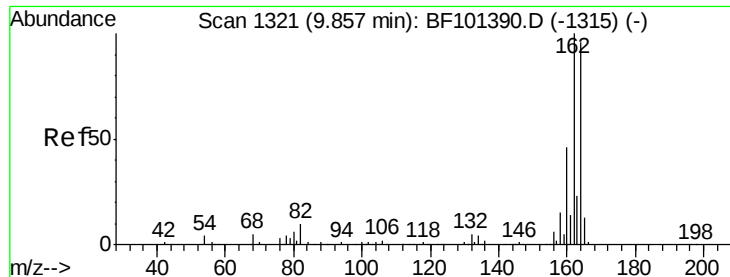
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#37
2-Methylnaphthalene
Concen: 19.504 ng
RT: 8.78 min Scan# 1138
Delta R.T. -0.01 min
Lab File: BF101692.D
Acq: 23 Dec 2017 9:56

Tgt Ion:142 Resp: 335102
Ion Ratio Lower Upper
142 100
141 90.0 70.8 106.2
115 33.5 26.1 39.1





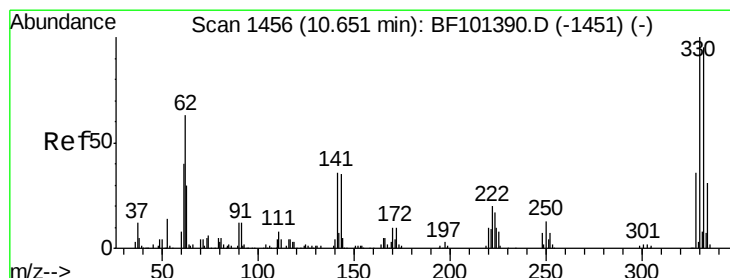
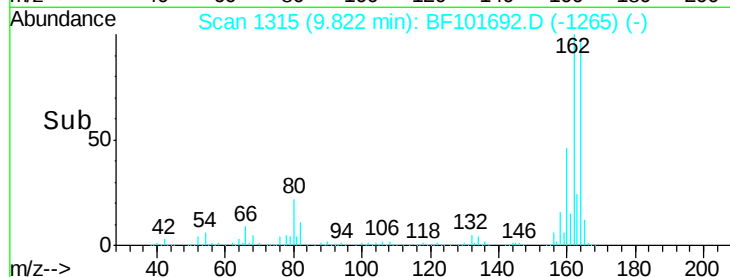
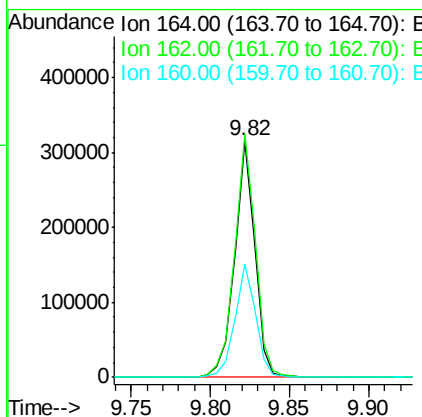
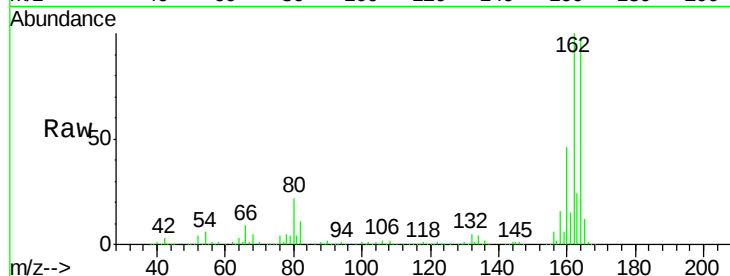
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: BF101692.D
 Acq: 23 Dec 2017 9:56

Instrument :
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 WC-41446854-01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	279869		
162	103.1	86.1	129.1	
160	47.7	38.3	57.5	

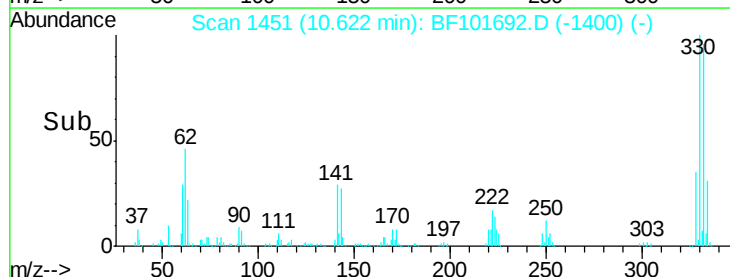
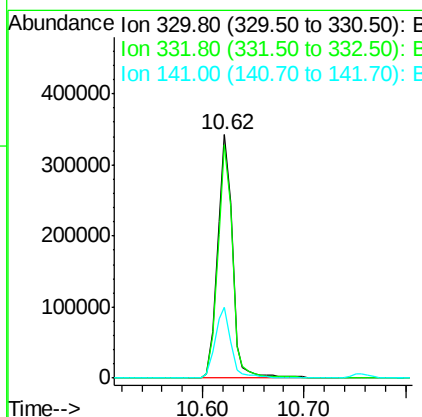
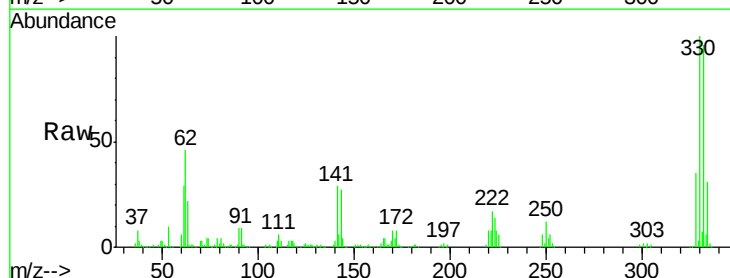
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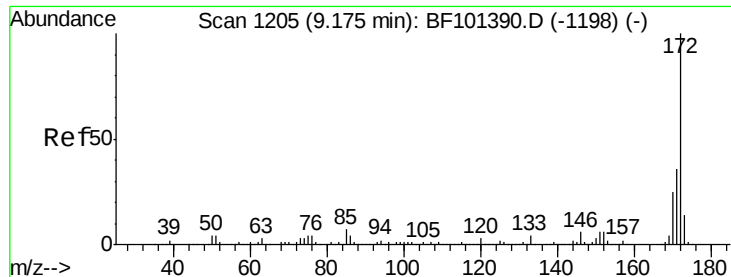
Sohil
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#41
 2,4,6-Tribromophenol
 Concen: 129.083 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. 0.00 min
 Lab File: BF101692.D
 Acq: 23 Dec 2017 9:56

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	348106		
332	95.6	77.0	115.6	
141	31.7	29.9	44.9	





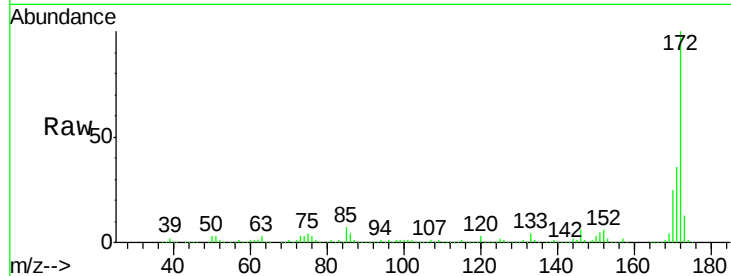
#44
2-Fluorobiphenyl
Concen: 89.587 ng
RT: 9.15 min Scan# 1200
Delta R.T. 0.00 min
Lab File: BF101692.D
Acq: 23 Dec 2017 9:56

Instrument :
BNA_F
ClientSampleId :
WC-41446854-01

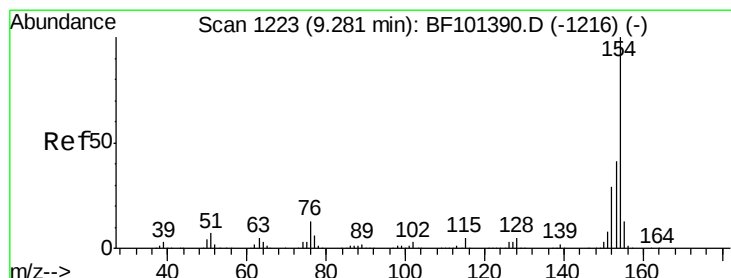
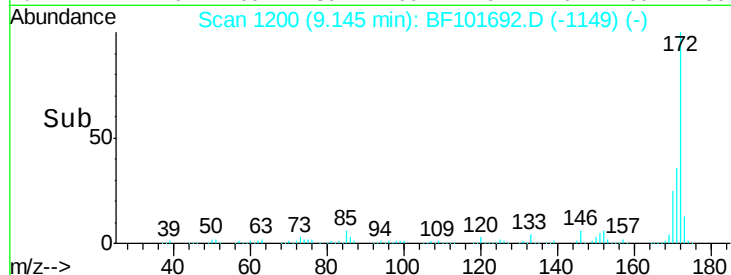
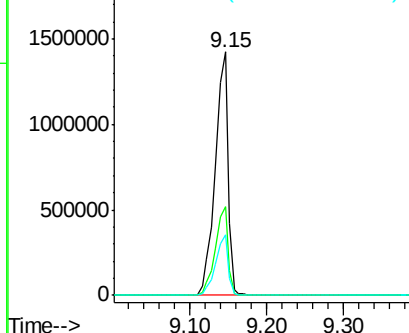
Tgt Ion:172 Resp: 1616297
Ion Ratio Lower Upper
172 100
171 36.5 29.7 44.5
170 24.7 19.6 29.4

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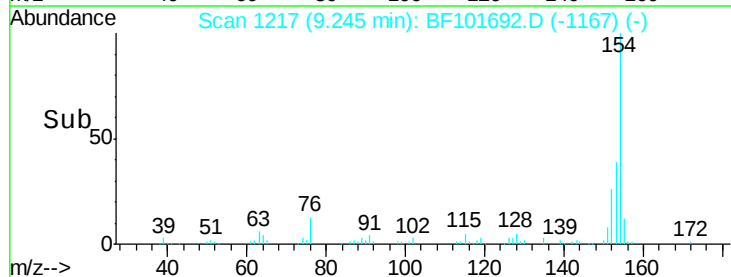
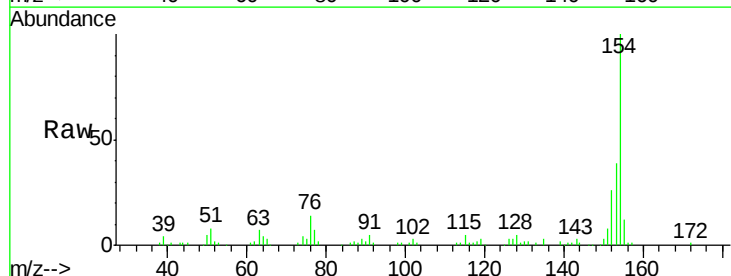
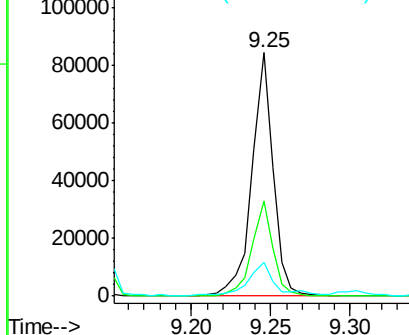
Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

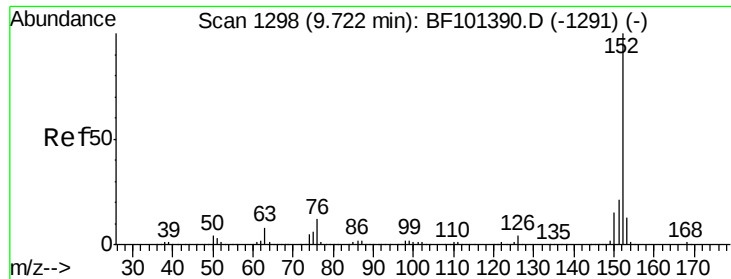


#45
1,1'-Biphenyl
Concen: 3.181 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.01 min
Lab File: BF101692.D
Acq: 23 Dec 2017 9:56

Tgt Ion:154 Resp: 78965
Ion Ratio Lower Upper
154 100
153 39.3 21.3 61.3
76 13.8 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: 8.764 ng

RT: 9.69 min Scan# 1292

Delta R.T. -0.01 min

Lab File: BF101692.D

Acq: 23 Dec 2017 9:56

Instrument :

BNA_F

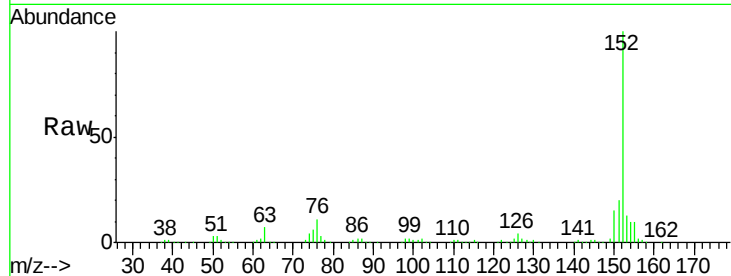
ClientSampleId :

WC-41446854-01

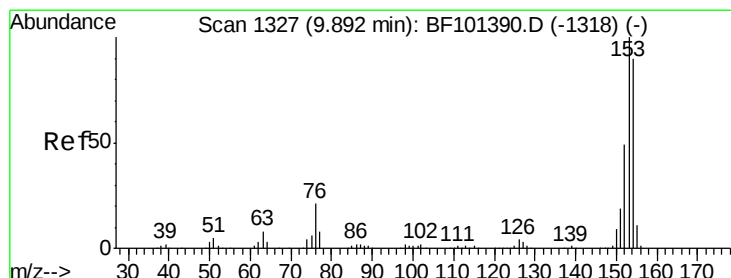
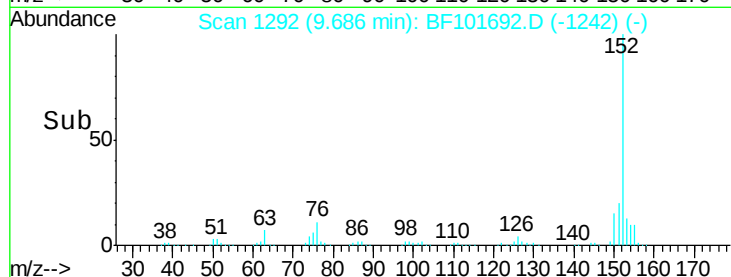
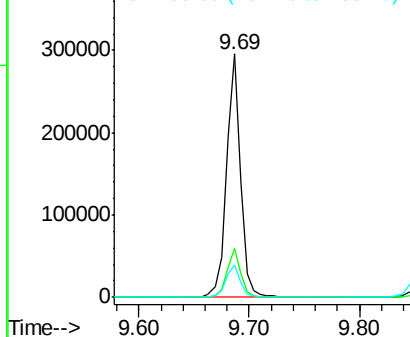
Tgt Ion:	152	Resp:	262889
Ion Ratio		Lower	Upper
152	100		
151	20.0	16.3	24.5
153	13.4	10.7	16.1

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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: 3.139 ng

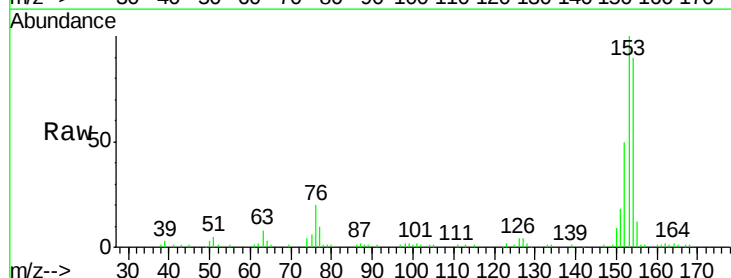
RT: 9.86 min Scan# 1321

Delta R.T. -0.01 min

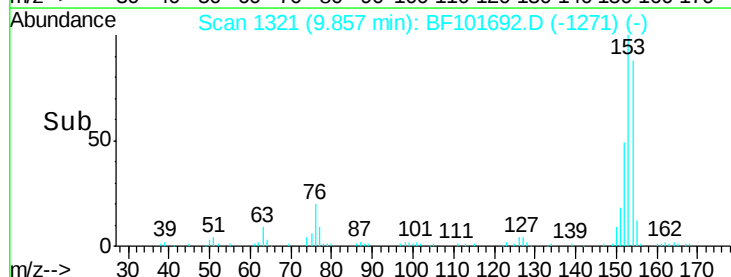
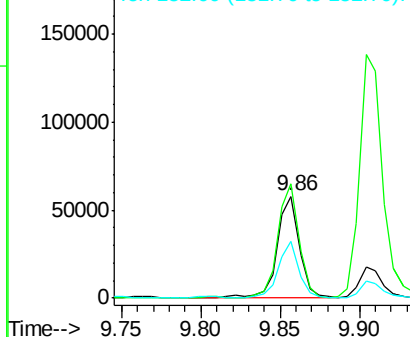
Lab File: BF101692.D

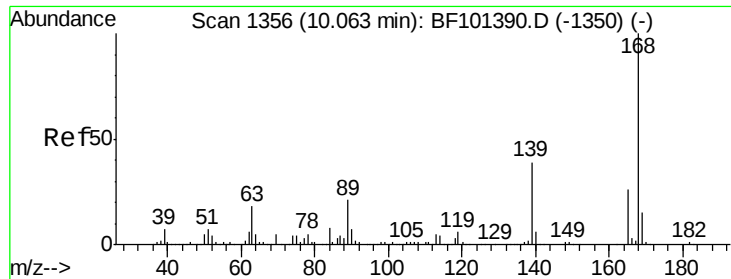
Acq: 23 Dec 2017 9:56

Tgt Ion:	154	Resp:	56562
Ion Ratio		Lower	Upper
154	100		
153	111.6	91.2	136.8
152	55.3	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





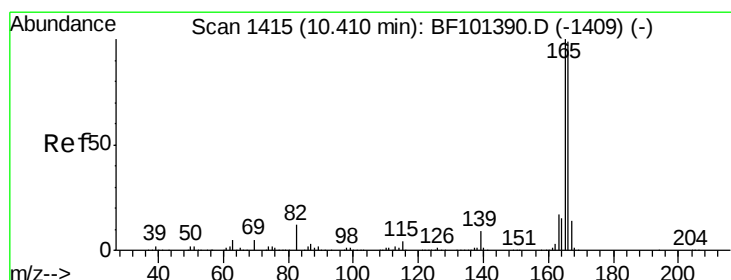
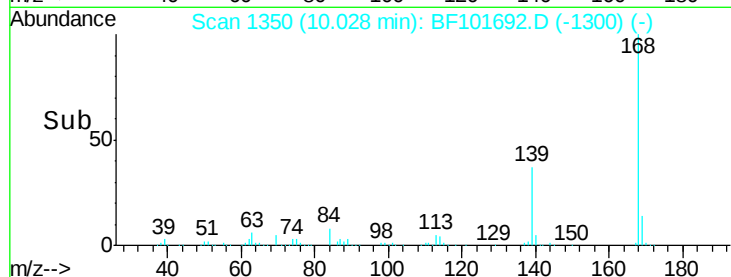
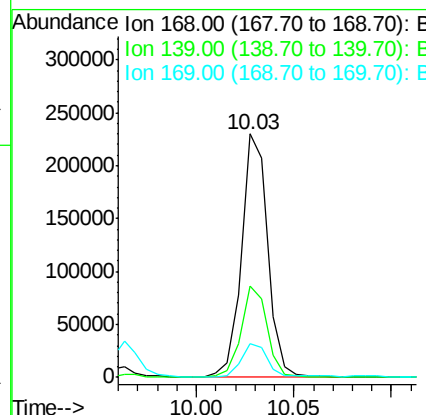
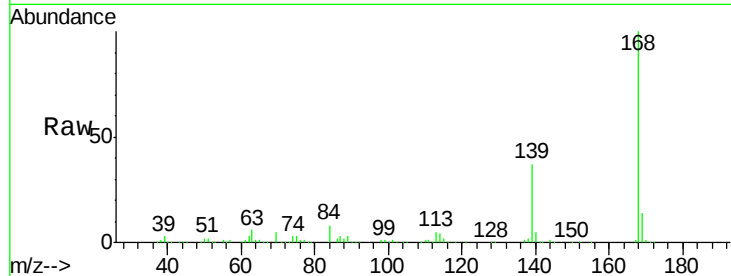
#54
Dibenzenofuran
Concen: 9.385 ng
RT: 10.03 min Scan# 1350
Delta R.T. -0.01 min
Lab File: BF101692.D
Acq: 23 Dec 2017 9:56

Instrument :
BNA_F
ClientSampleId :
WC-41446854-01

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	214951		
139	37.3	30.1	45.1	
169	14.1	10.9	16.3	

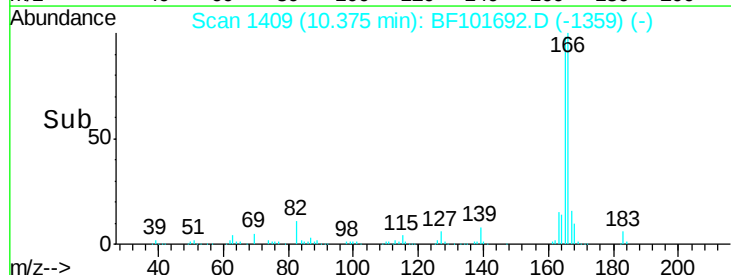
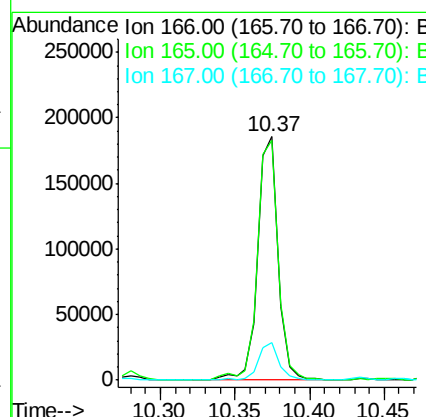
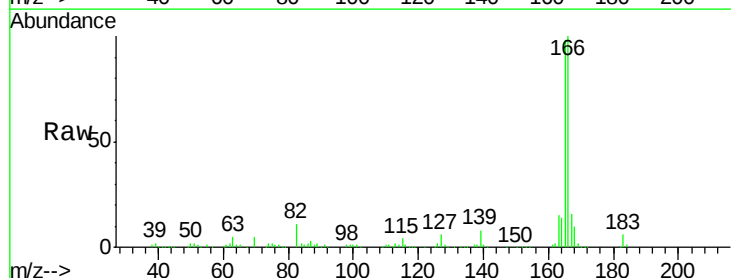
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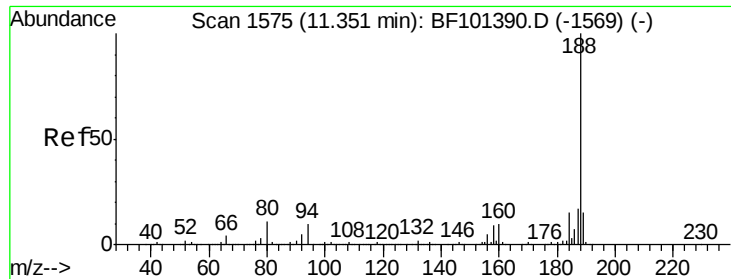
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#57
Fluorene
Concen: 8.985 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.01 min
Lab File: BF101692.D
Acq: 23 Dec 2017 9:56

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	174077		
165	98.5	79.8	119.8	
167	15.6	10.6	16.0	





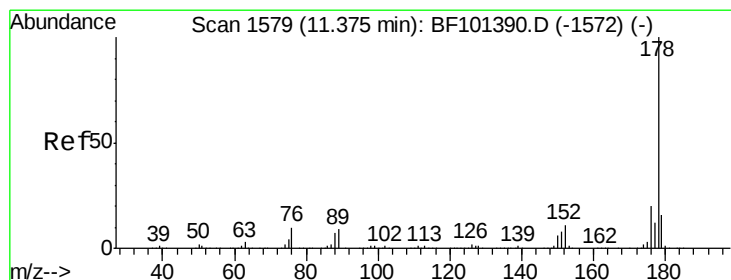
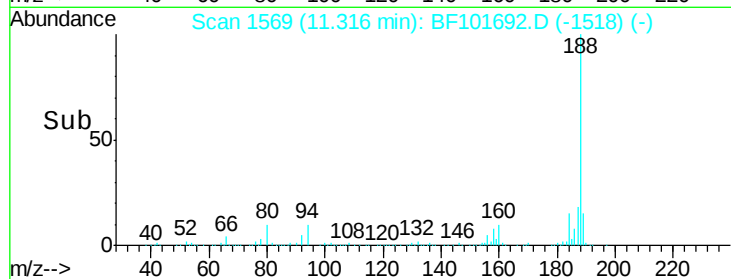
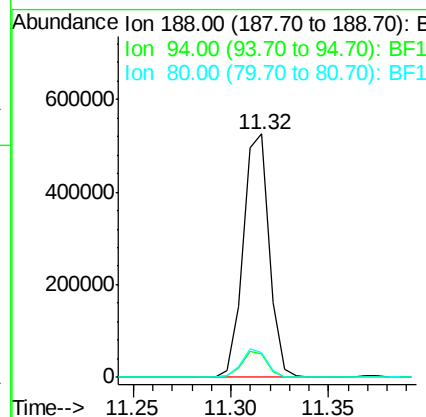
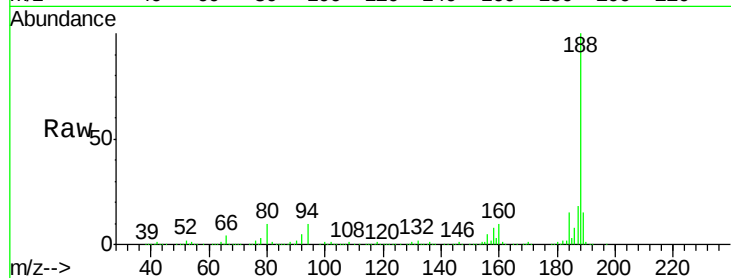
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. 0.00 min
Lab File: BF101692.D
Acq: 23 Dec 2017 9:56

Instrument :
BNA_F
ClientSampleId :
WC-41446854-01

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	9.7	8.5	12.7
80	10.2	9.2	13.8

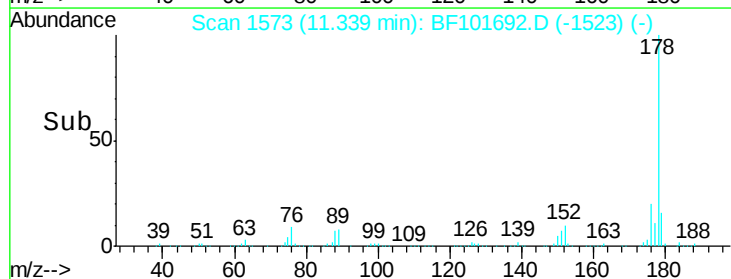
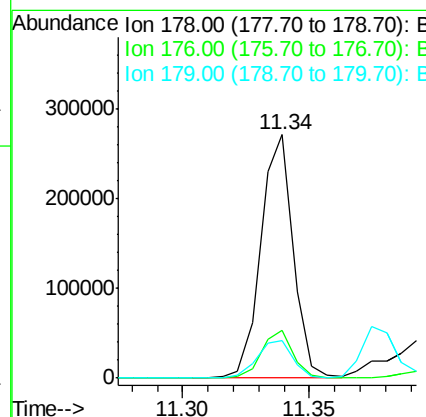
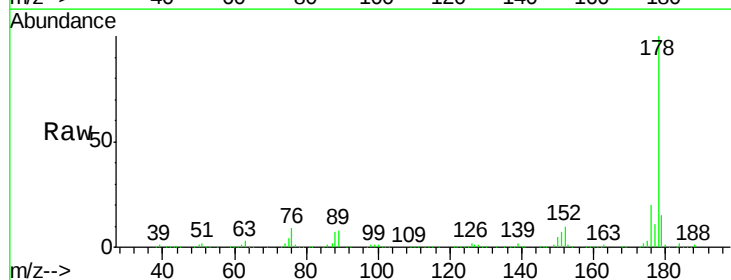
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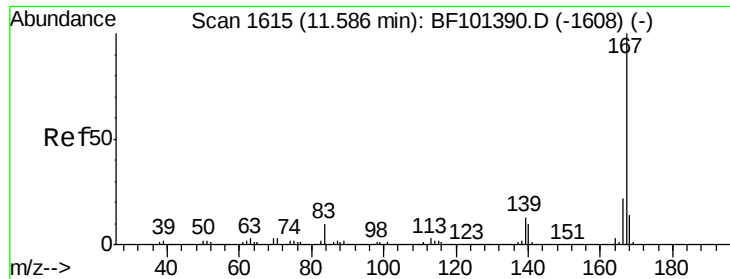
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#70
Phenanthrene
Concen: 8.938 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF101692.D
Acq: 23 Dec 2017 9:56

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.7	15.8	23.8
179	15.5	13.0	19.6





#72

Carbazole

Concen: 26.881 ng

RT: 11.55 min Scan# 1609

Delta R.T. -0.01 min

Lab File: BF101692.D

Acq: 23 Dec 2017 9:56

Instrument :

BNA_F

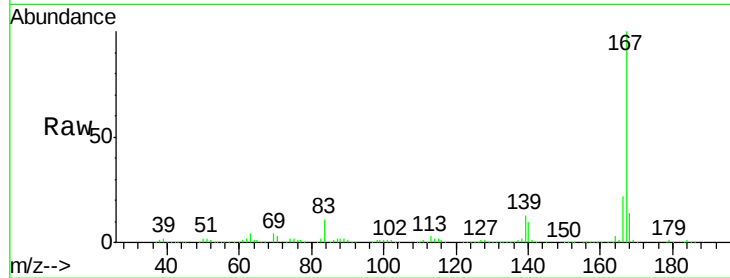
ClientSampled :

WC-41446854-01

Tgt Ion:	167	Resp:	695304
Ion Ratio		Lower	Upper
167	100		
166	21.9	17.6	26.4
139	13.1	10.9	16.3

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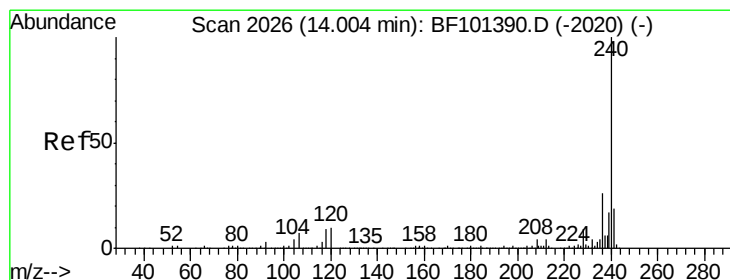
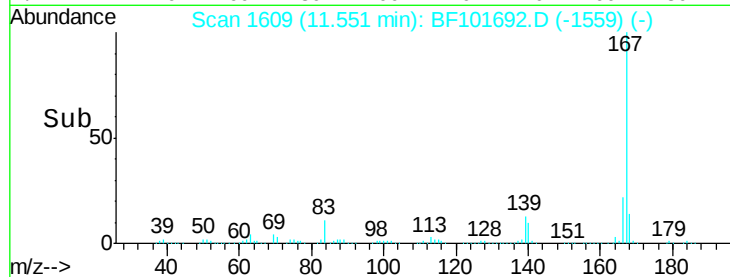
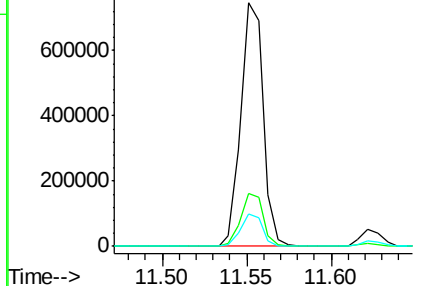
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Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.01 min

Lab File: BF101692.D

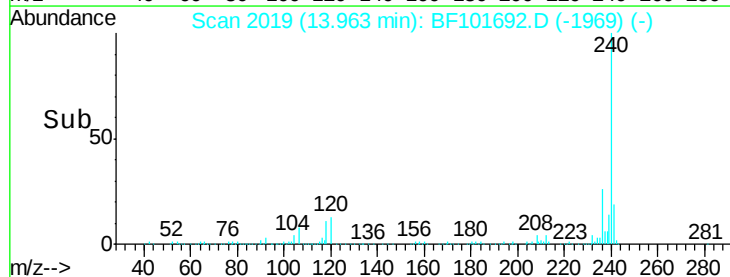
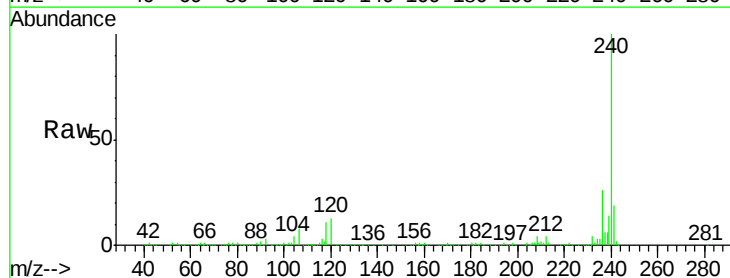
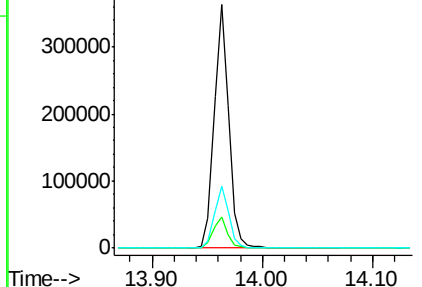
Acq: 23 Dec 2017 9:56

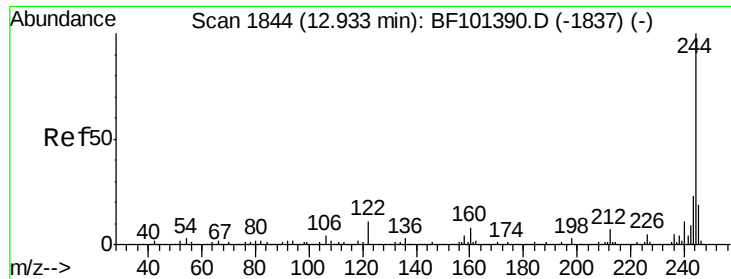
Tgt Ion:	240	Resp:	327905
Ion Ratio		Lower	Upper
240	100		
120	12.5	9.5	14.3
236	25.6	20.7	31.1

Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





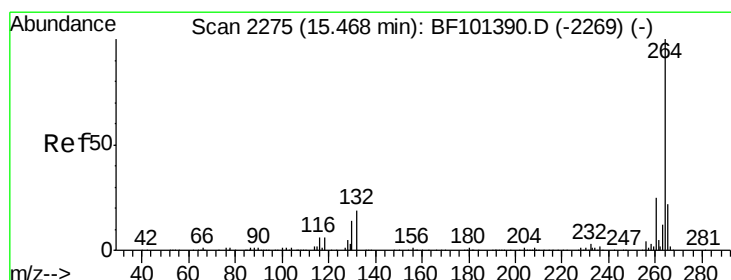
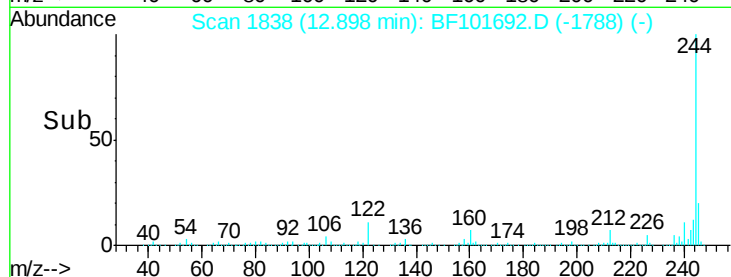
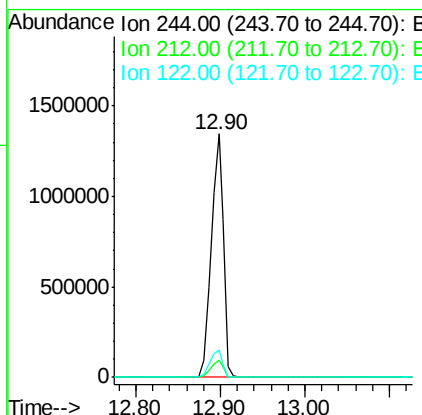
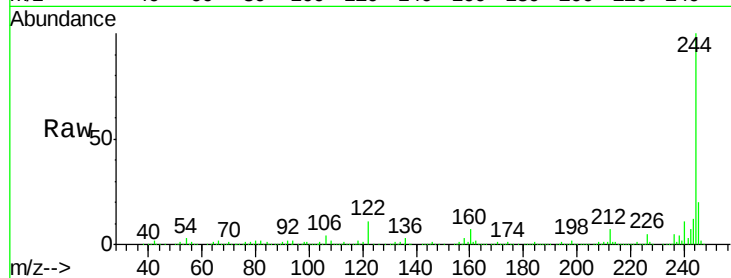
#78
 Terphenyl-d14
 Concen: 101.682 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. -0.01 min
 Lab File: BF101692.D
 Acq: 23 Dec 2017 9:56

Instrument :
 BNA_F
 ClientSampleId :
 WC-41446854-01

Tgt Ion:244 Resp: 1383048
 Ion Ratio Lower Upper
 244 100
 212 7.0 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: BF101692.D
 Acq: 23 Dec 2017 9:56

Tgt Ion:264 Resp: 297492
 Ion Ratio Lower Upper
 264 100
 260 24.3 19.2 28.8
 265 22.9 17.5 26.3

