

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF012318\
 Data File : BF102336.D
 Acq On : 23 Jan 2018 10:55
 Operator : SJ/JU
 Sample : J1239-06
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-14R30-02

Manual Integrations
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 1/24/2018 2:46:27 PM

Quant Time: Jan 24 11:07:17 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 23 00:43:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	149883	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	539958	20.00	ng	0.01
38) Acenaphthene-d10	9.75	164	286300	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	493552	20.00	ng	0.00
75) Chrysene-d12	13.87	240	389183	20.00	ng	0.00
86) Perylene-d12	15.30	264	271341	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	1167573	118.12	ng	0.04
7) Phenol-d6	6.41	99	1085097	91.05	ng	0.05
23) Nitrobenzene-d5	7.30	82	933988	99.40	ng	0.01
41) 2,4,6-Tribromophenol	10.55	330	345509	121.79	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1631356	83.78	ng	0.00
78) Terphenyl-d14	12.83	244	1565730	90.70	ng	0.01

Target Compounds					Qvalue
3) Pyridine	3.20	79	123911	10.096	ng 96
10) Phenol	6.43	94	4242502	326.084	ng 97
17) 2-Methylphenol	7.00	107	1065096	118.352	ng 98
20) 3+4-Methylphenols	7.17	107	3098646	292.760	ng 87
27) 2,4-Dimethylphenol	7.67	122	759228m	103.317	ng
31) Naphthalene	8.05	128	7410646	274.883	ng 98
37) 2-Methylnaphthalene	8.72	142	427537	23.813	ng 99
45) 1,1'-Biphenyl	9.17	154	103300	4.035	ng 99
48) Acenaphthylene	9.62	152	970564	31.308	ng 98
51) Acenaphthene	9.79	154	57702	3.187	ng 98
54) Dibenzofuran	9.96	168	315613	12.881	ng 98
57) Fluorene	10.30	166	269341	13.872	ng 98
70) Phenanthrene	11.26	178	383201	13.324	ng 99
71) Anthracene	11.31	178	110098m	3.751	ng
72) Carbazole	11.48	167	1083042	37.818	ng 99

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

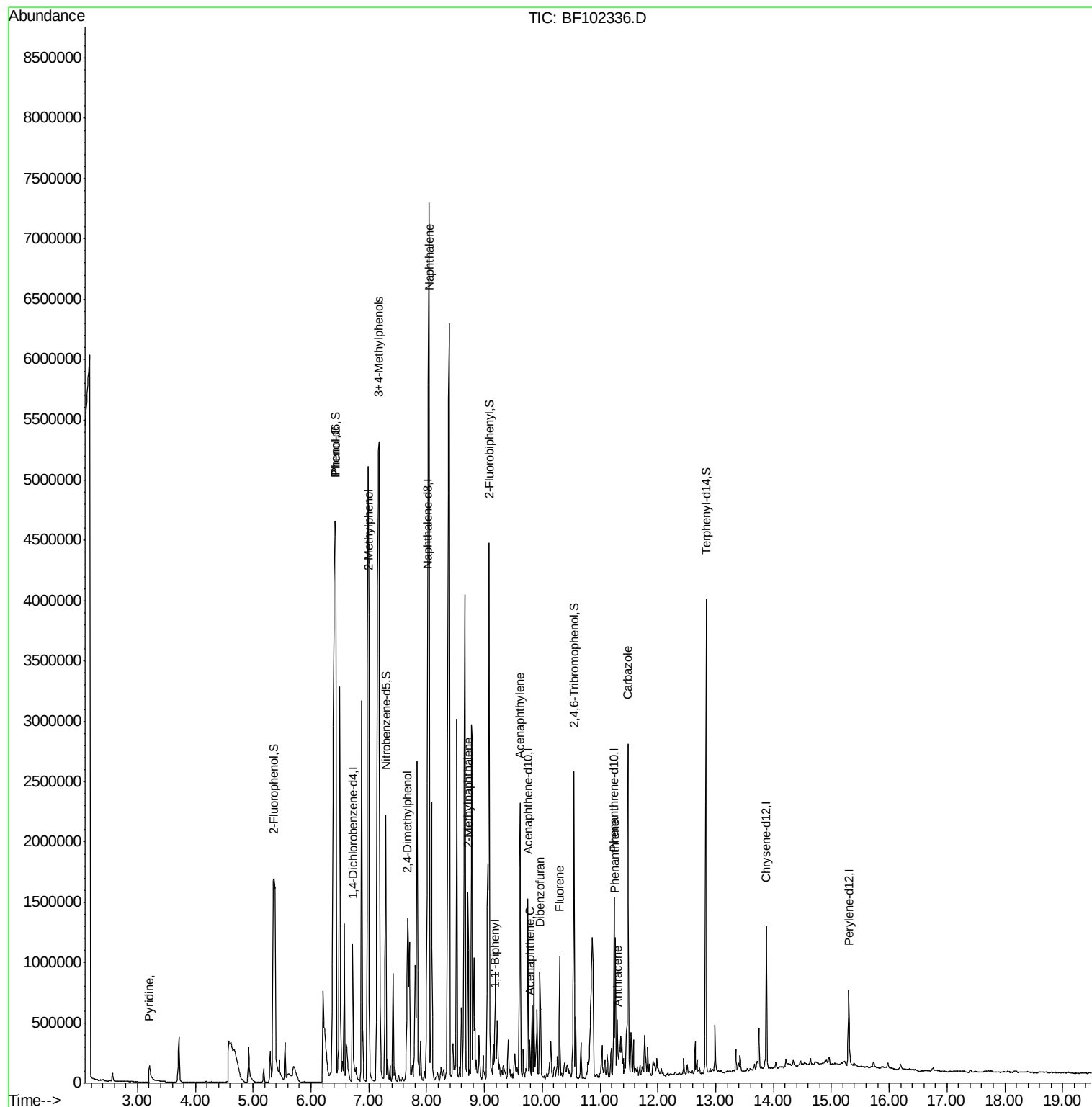
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Data File : BF102336.D
Acq On : 23 Jan 2018 10:55
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ALS Vial : 4 Sample Multiplier: 1

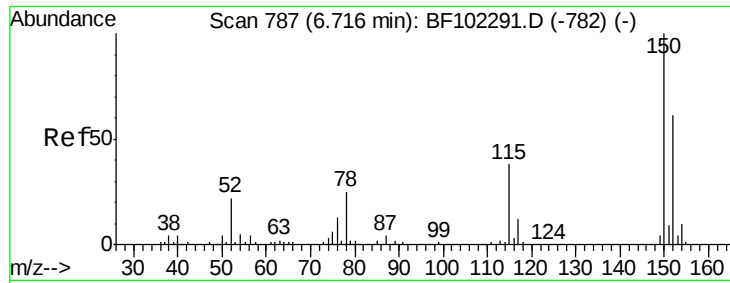
Instrument :
BNA_F
ClientSampleId :
WC-14R30-02

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Quant Time: Jan 24 11:07:17 2018
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF012218.M
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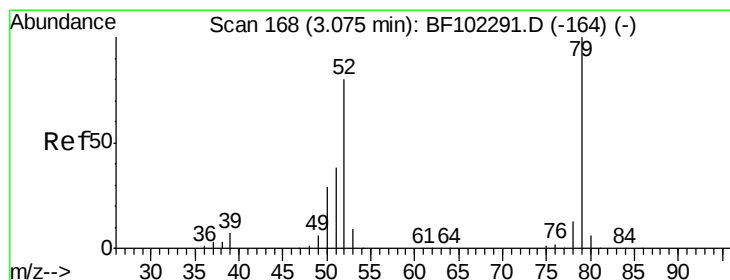
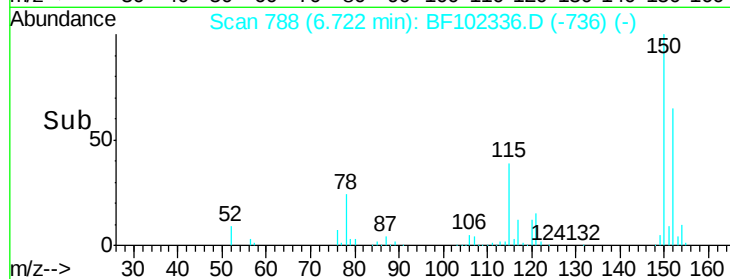
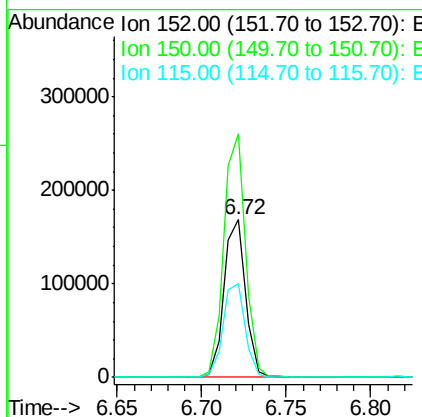
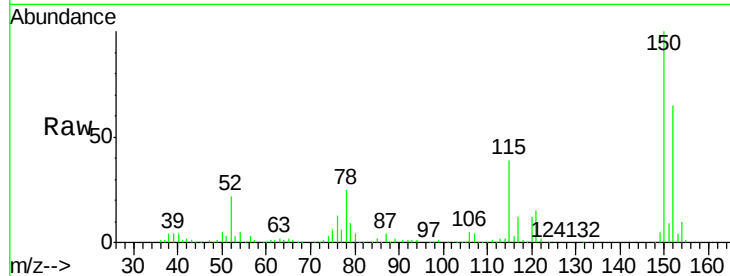
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. 0.01 min
 Lab File: BF102336.D
 Acq: 23 Jan 2018 10:55

Instrument :
 BNA_F
 ClientSampleId :
 WC-14R30-02

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.7	124.6	186.8
115	60.0	50.1	75.1

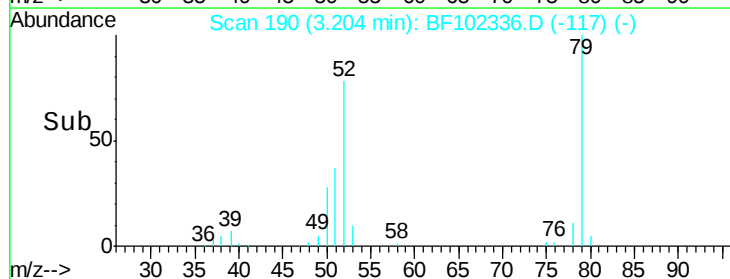
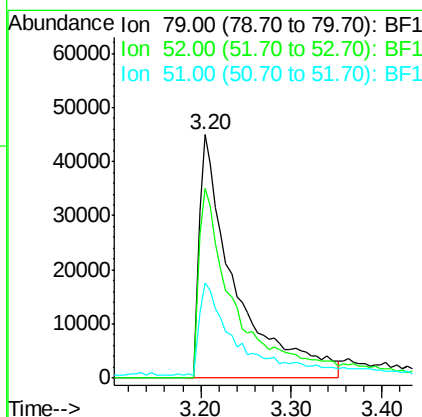
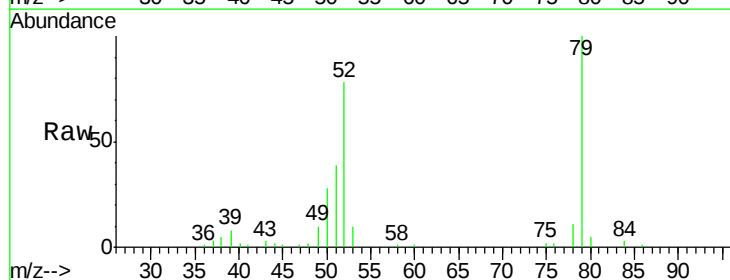
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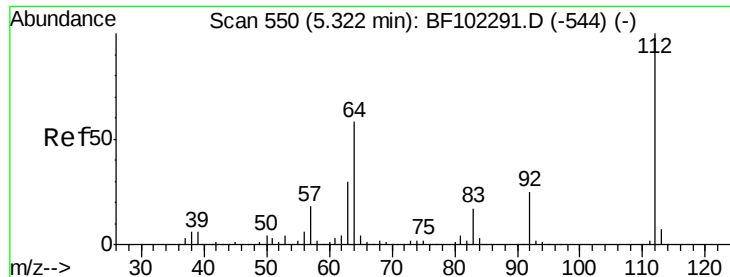
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#3
 Pyridine
 Concen: 10.096 ng
 RT: 3.20 min Scan# 190
 Delta R.T. 0.13 min
 Lab File: BF102336.D
 Acq: 23 Jan 2018 10:55

Tgt Ion	Ratio	Lower	Upper
79	100		
52	78.2	59.8	89.6
51	39.2	29.8	44.8





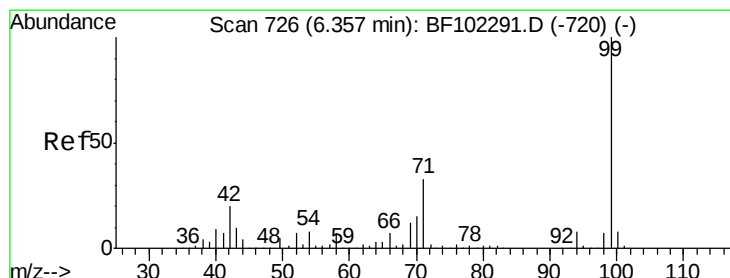
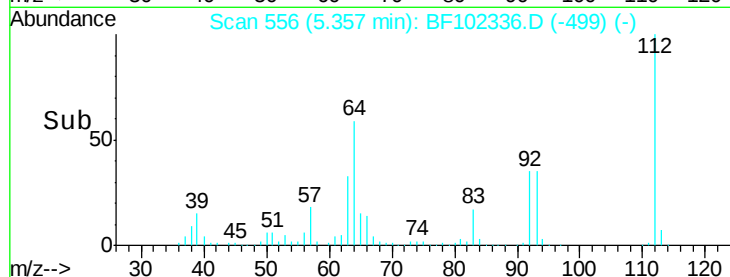
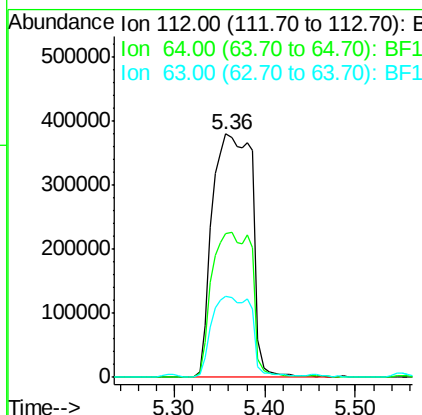
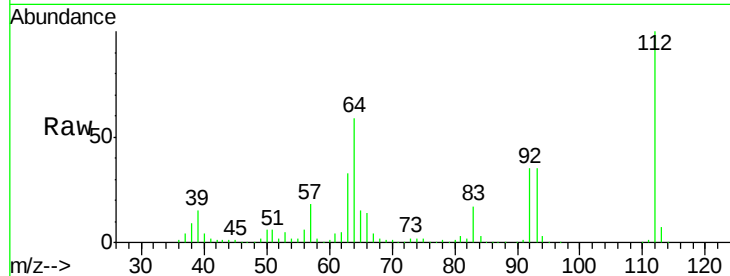
#5
 2-Fluorophenol
 Concen: 118.115 ng
 RT: 5.36 min Scan# 556
 Delta R.T. 0.04 min
 Lab File: BF102336.D
 Acq: 23 Jan 2018 10:55

Instrument :
 BNA_F
 ClientSampleID :
 WC-14R30-02

Tgt Ion: 112 Resp: 1167573
 Ion Ratio Lower Upper
 112 100
 64 59.1 47.9 71.9
 63 33.0 23.7 35.5

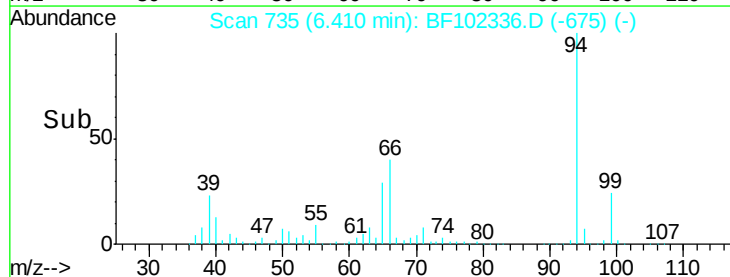
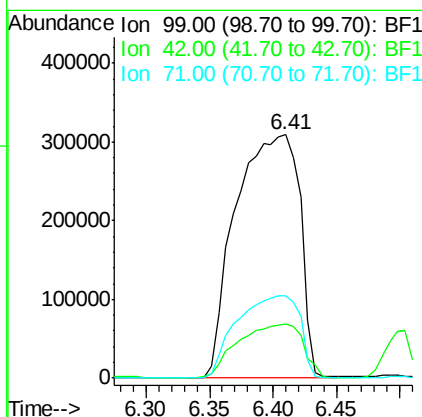
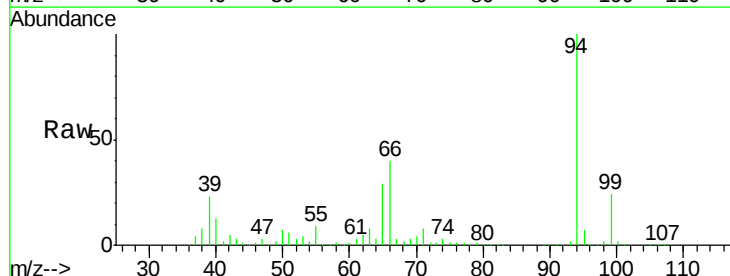
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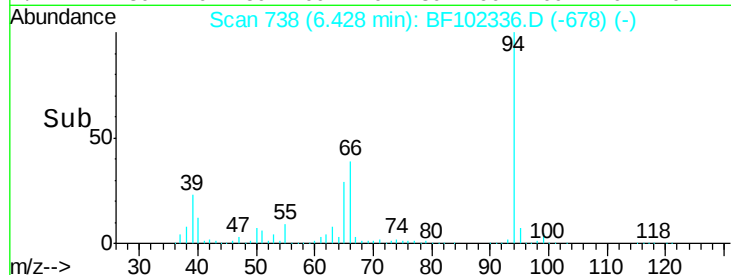
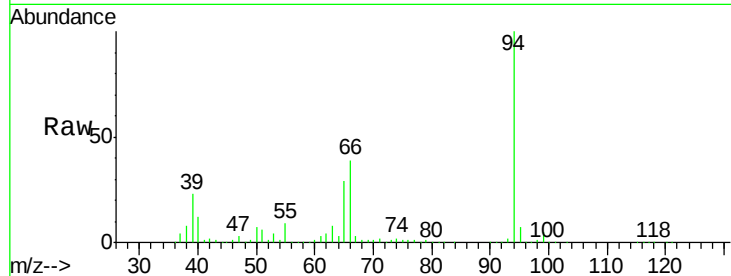
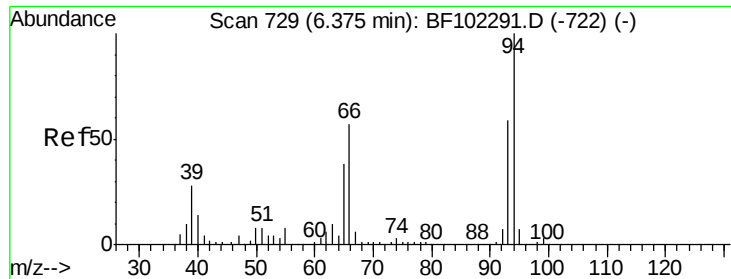
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#7
 Phenol-d6
 Concen: 91.052 ng
 RT: 6.41 min Scan# 735
 Delta R.T. 0.05 min
 Lab File: BF102336.D
 Acq: 23 Jan 2018 10:55

Tgt Ion: 99 Resp: 1085097
 Ion Ratio Lower Upper
 99 100
 42 22.1 14.5 21.7#
 71 33.7 25.4 38.0





#10

Phenol

Concen: 326.084 ng

RT: 6.43 min Scan# 738

Delta R.T. 0.05 min

Lab File: BF102336.D

Acq: 23 Jan 2018 10:55

Tgt Ion: 94 Resp: 4242502

Ion Ratio Lower Upper

94 100

65 28.7 7.9 47.9

66 38.7 16.2 56.2

Instrument :

BNA_F

ClientSampleId :

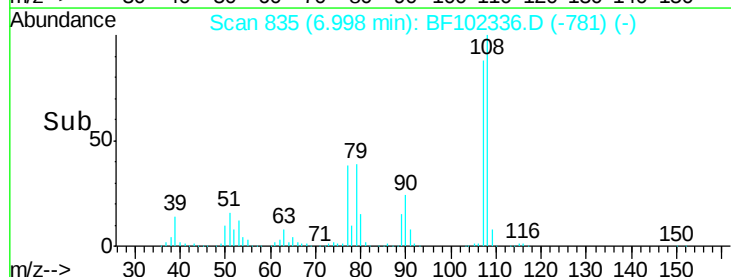
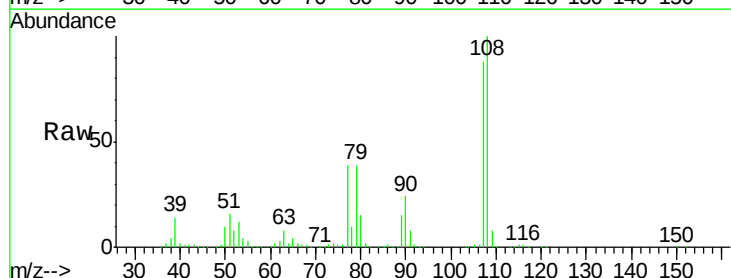
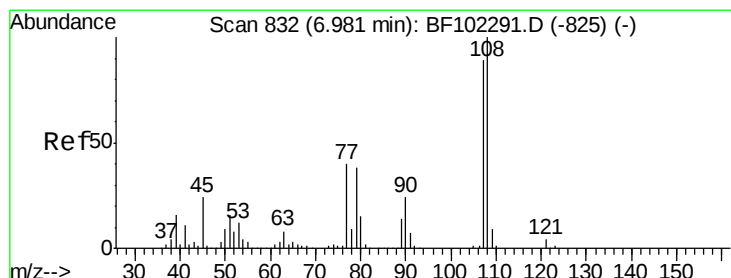
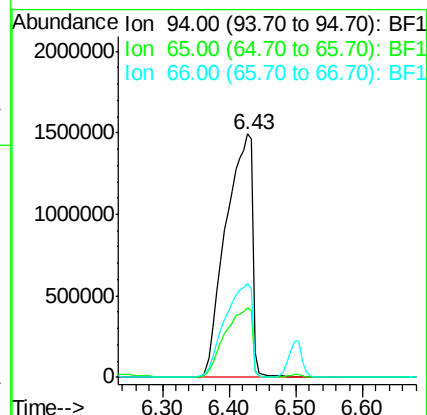
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#17

2-Methylphenol

Concen: 118.352 ng

RT: 7.00 min Scan# 835

Delta R.T. 0.02 min

Lab File: BF102336.D

Acq: 23 Jan 2018 10:55

Tgt Ion: 107 Resp: 1065096

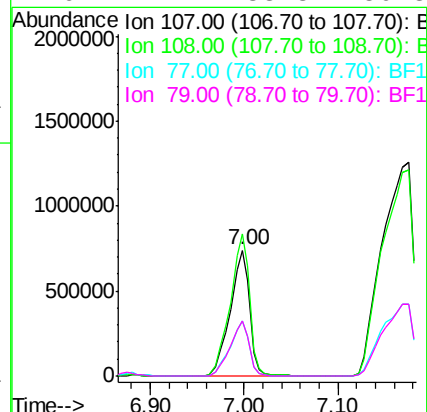
Ion Ratio Lower Upper

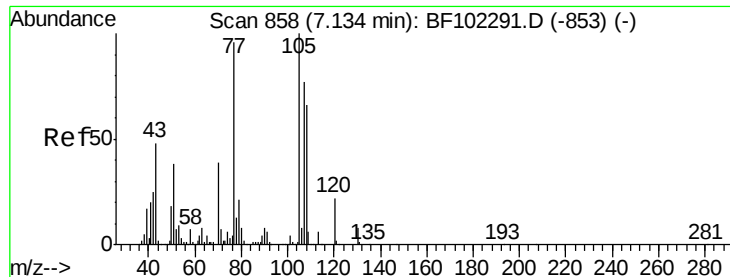
107 100

108 113.1 91.7 137.5

77 43.6 33.8 50.8

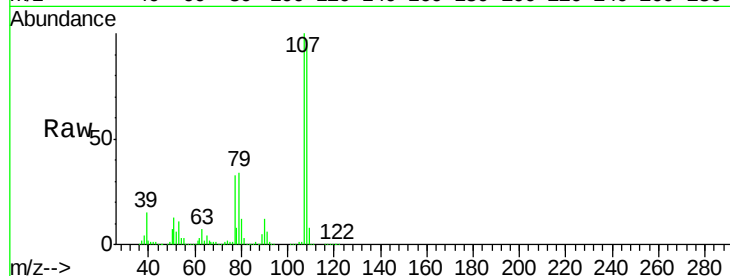
79 44.2 33.8 50.8





#20
3+4-Methylphenols
Concen: 292.760 ng
RT: 7.17 min Scan# 865
Delta R.T. 0.04 min
Lab File: BF102336.D
Acq: 23 Jan 2018 10:55

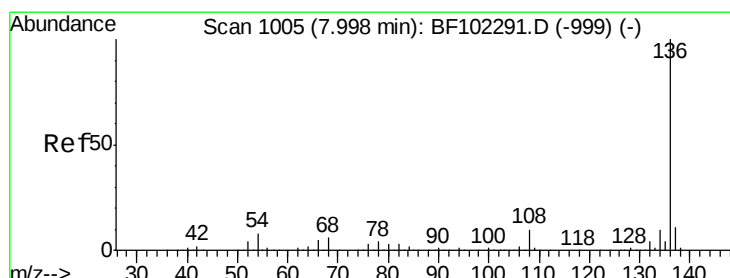
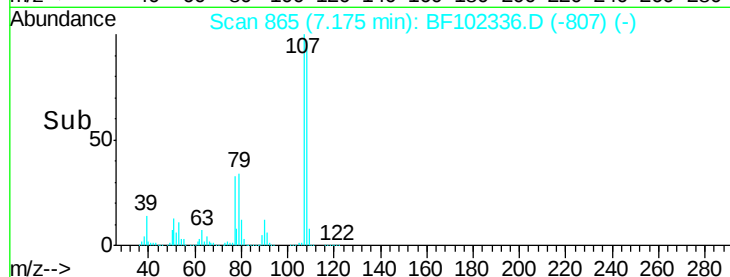
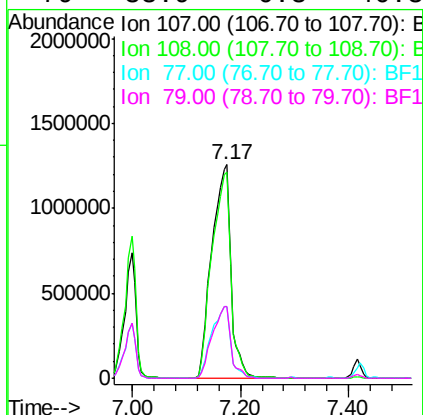
Instrument :
BNA_F
ClientSampleId :
WC-14R30-02



Tgt Ion	Ratio	Lower	Upper
107	100		
108	96.8	68.2	108.2
77	33.5	26.7	66.7
79	33.9	6.3	46.3

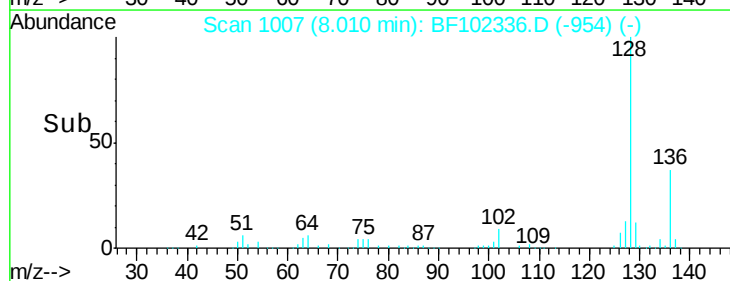
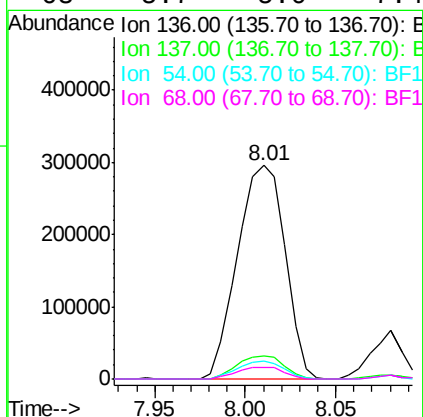
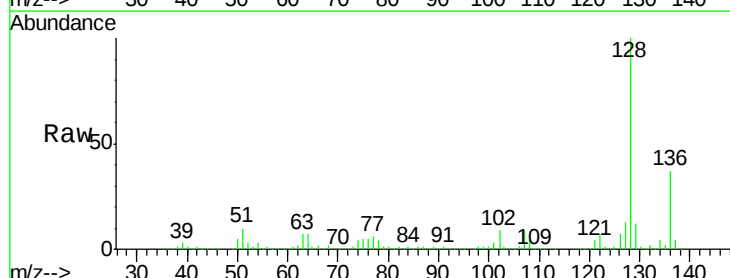
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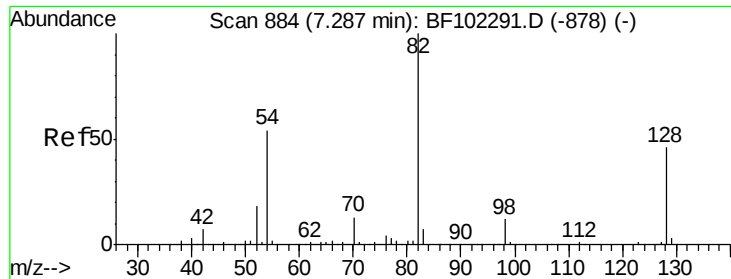
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. 0.01 min
Lab File: BF102336.D
Acq: 23 Jan 2018 10:55

Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	8.2	6.6	9.8
68	5.7	5.0	7.4





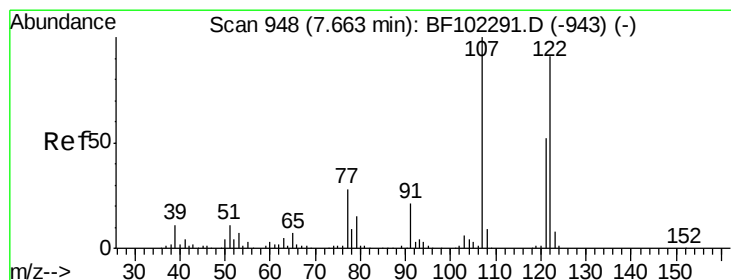
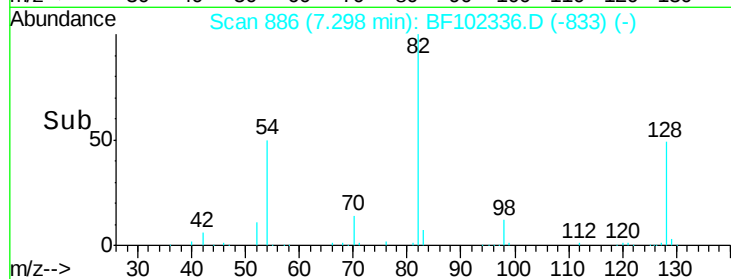
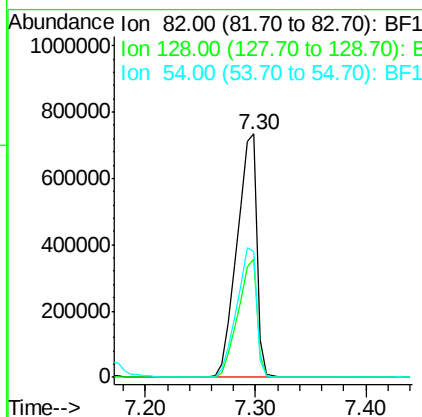
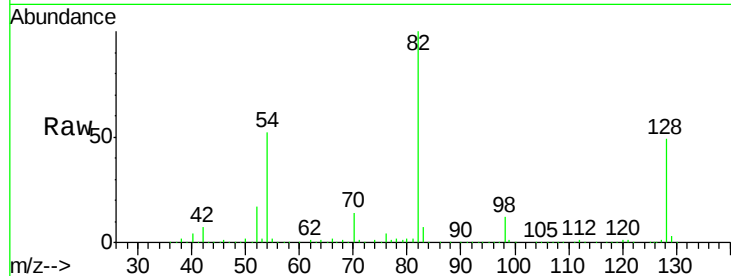
#23
Nitrobenzene-d5
Concen: 99.403 ng
RT: 7.30 min Scan# 886
Delta R.T. 0.01 min
Lab File: BF102336.D
Acq: 23 Jan 2018 10:55

Instrument :
BNA_F
ClientSampleId :
WC-14R30-02

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	933988		
128	48.6	36.1	54.1	
54	51.9	41.4	62.2	

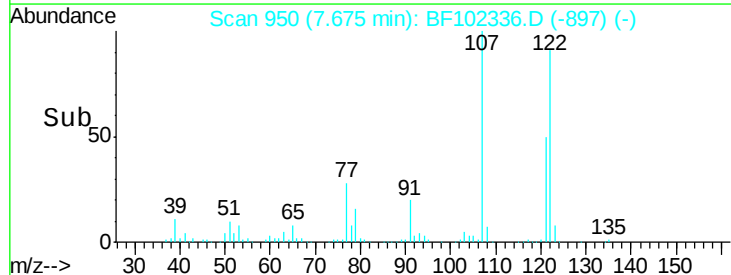
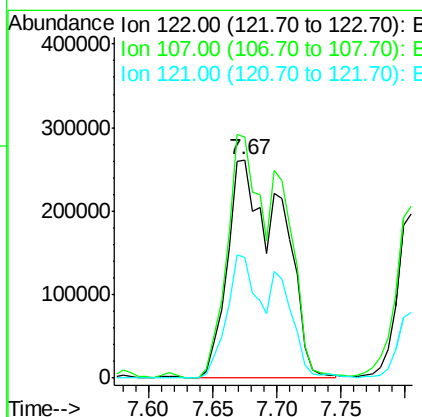
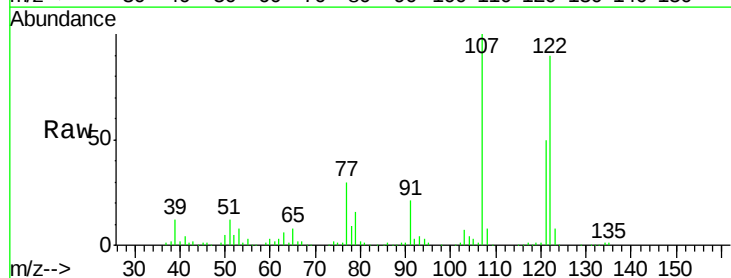
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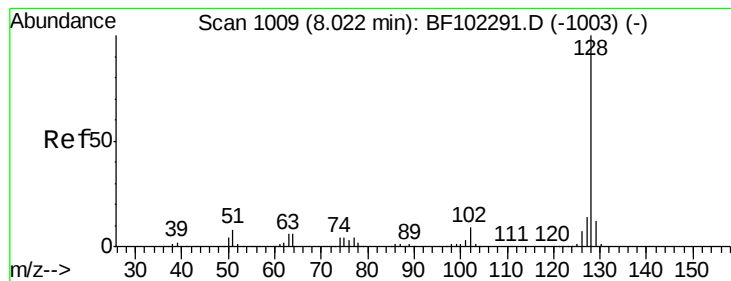
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#27
2,4-Dimethylphenol
Concen: 103.317 ng m
RT: 7.67 min Scan# 950
Delta R.T. 0.01 min
Lab File: BF102336.D
Acq: 23 Jan 2018 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	759228		
107	110.5	91.2	136.8	
121	55.6	47.2	70.8	





#31

Naphthalene

Concen: 274.883 ng

RT: 8.05 min Scan# 1014

Delta R.T. 0.03 min

Lab File: BF102336.D

Acq: 23 Jan 2018 10:55

Instrument :

BNA_F

ClientSampleId :

WC-14R30-02

Tgt Ion:128 Resp: 7410646

Ion Ratio Lower Upper

128 100

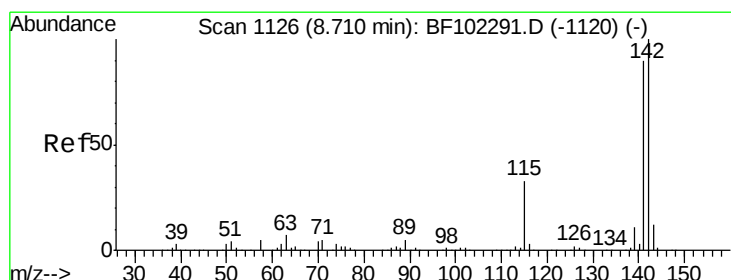
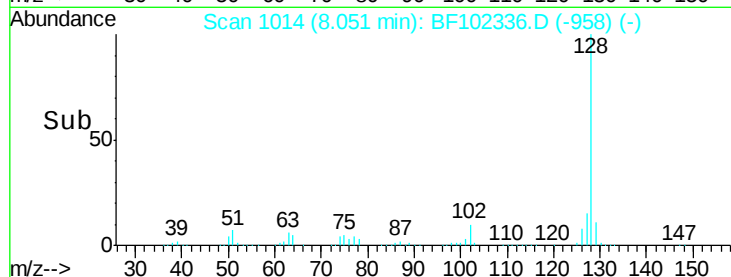
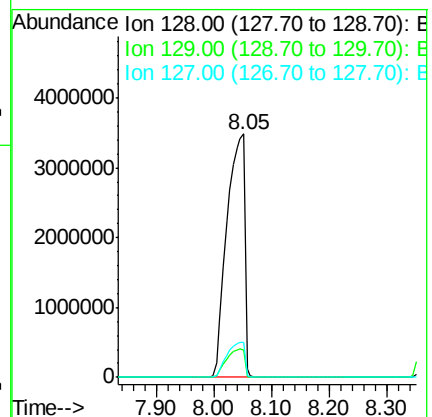
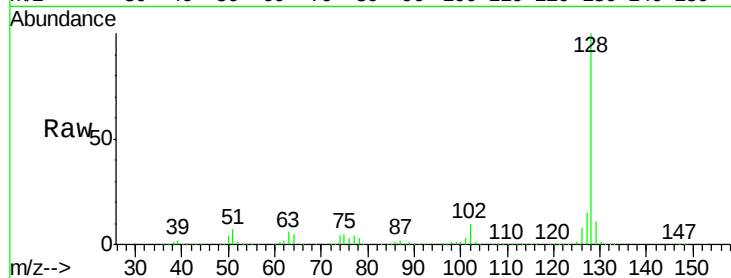
129 11.3 8.8 13.2

127 14.6 10.9 16.3

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#37

2-Methylnaphthalene

Concen: 23.813 ng

RT: 8.72 min Scan# 1127

Delta R.T. 0.01 min

Lab File: BF102336.D

Acq: 23 Jan 2018 10:55

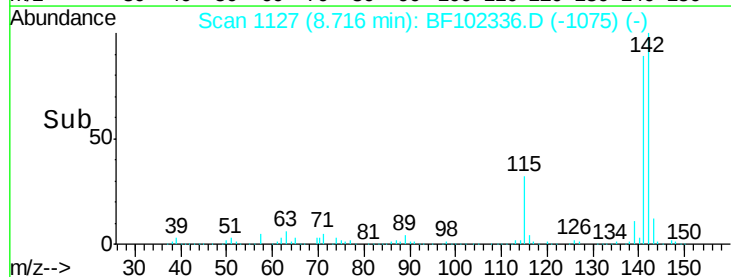
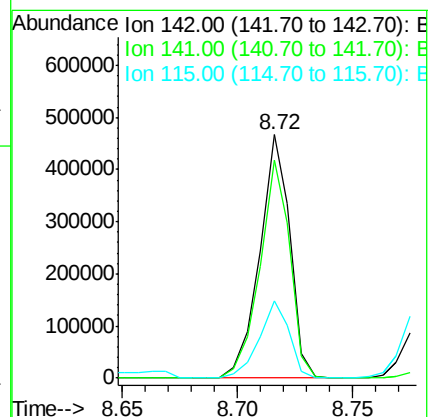
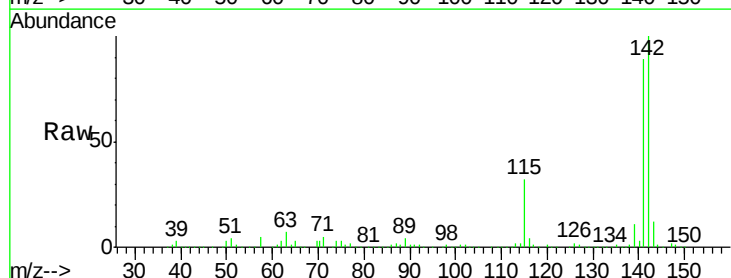
Tgt Ion:142 Resp: 427537

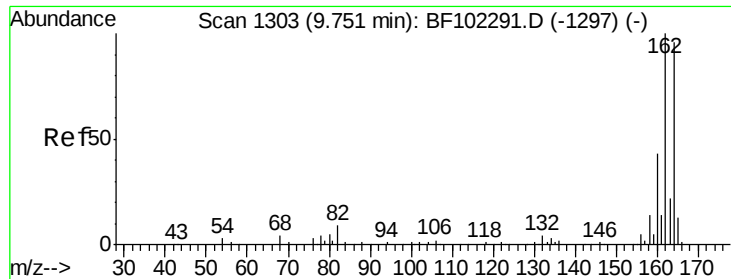
Ion Ratio Lower Upper

142 100

141 89.4 70.8 106.2

115 31.6 26.1 39.1





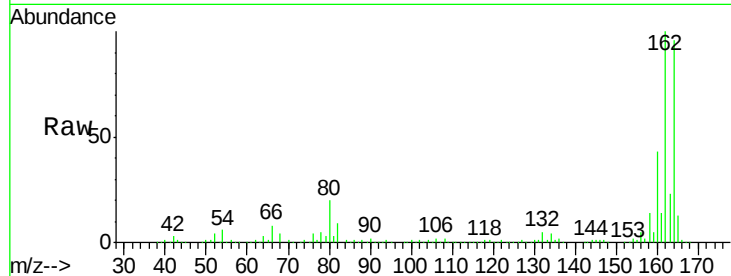
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.00 min
Lab File: BF102336.D
Acq: 23 Jan 2018 10:55

Instrument :
BNA_F
ClientSampleId :
WC-14R30-02

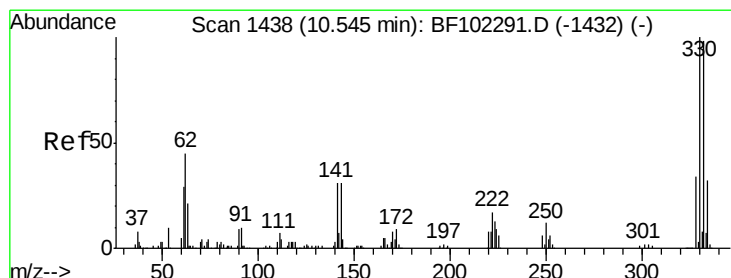
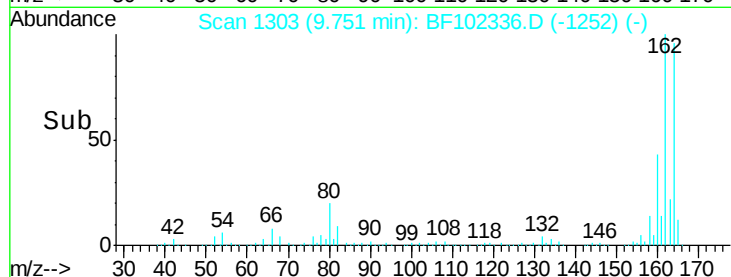
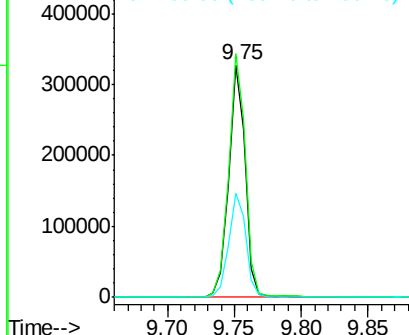
Tgt Ion	Ratio	Resp	Lower	Upper
164	100	286300		
162	104.7	86.1	129.1	
160	44.8	38.3	57.5	

Manual Integrations
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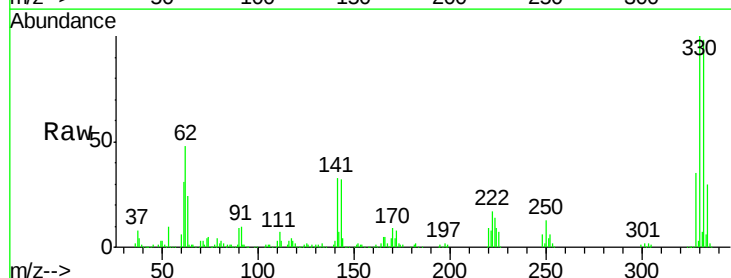


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

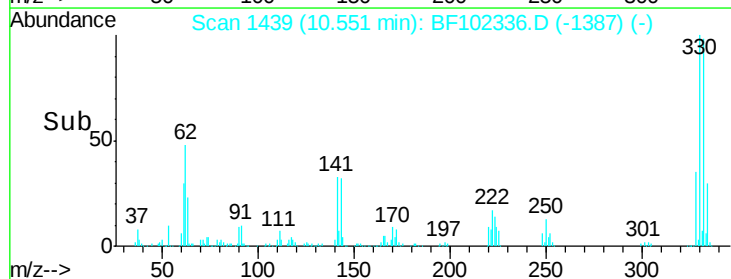
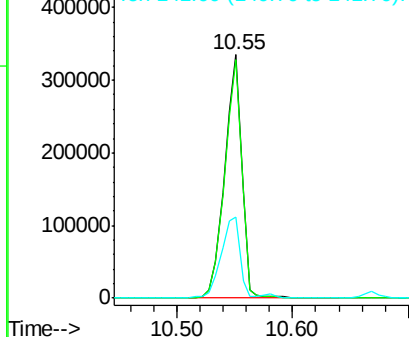


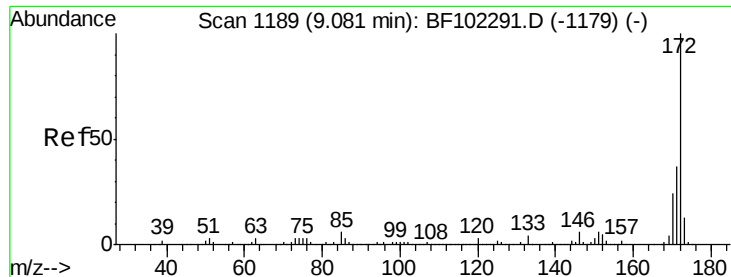
#41
2,4,6-Tribromophenol
Concen: 121.794 ng
RT: 10.55 min Scan# 1439
Delta R.T. 0.01 min
Lab File: BF102336.D
Acq: 23 Jan 2018 10:55

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	345509		
332	98.1	77.0	115.6	
141	36.3	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





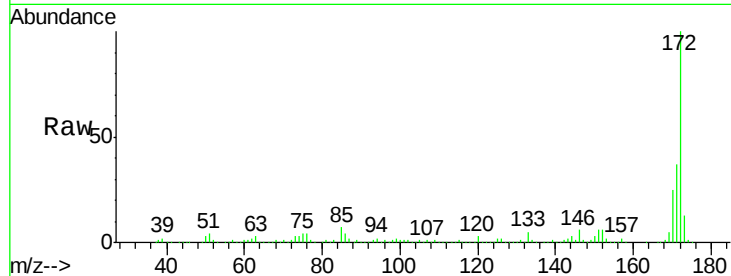
#44
 2-Fluorobiphenyl
 Concen: 83.782 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.00 min
 Lab File: BF102336.D
 Acq: 23 Jan 2018 10:55

Instrument :
 BNA_F
 ClientSampleId :
 WC-14R30-02

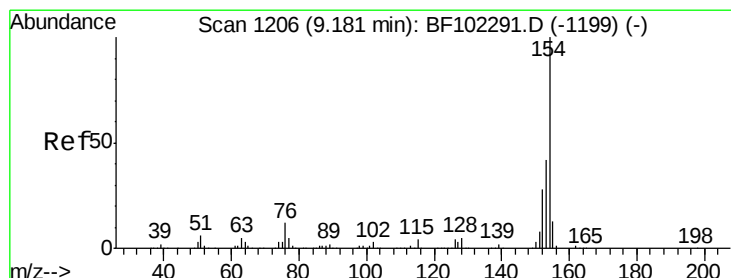
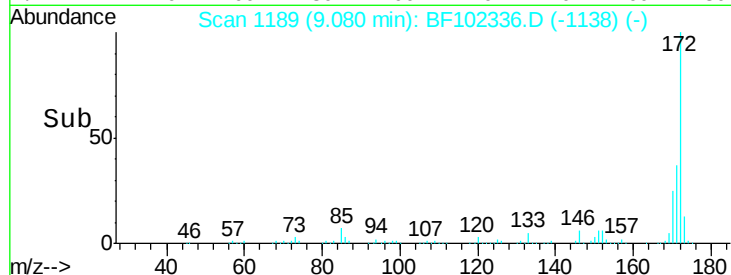
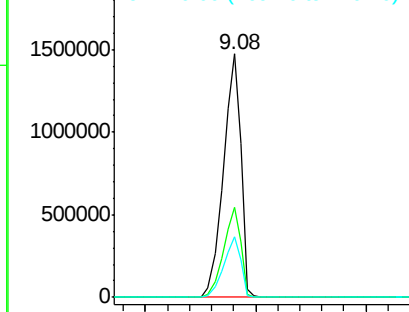
Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.9	29.7	44.5
170	24.6	19.6	29.4

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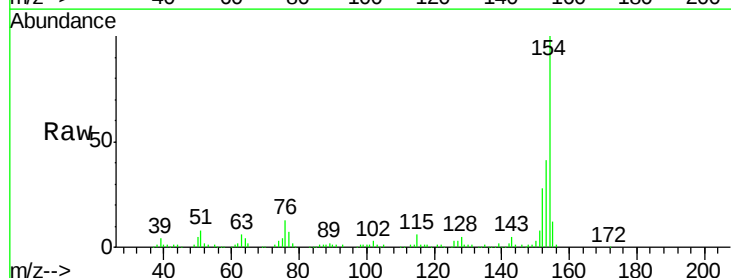


Abundance Ion 172.00 (171.70 to 172.70): E
 2000000
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

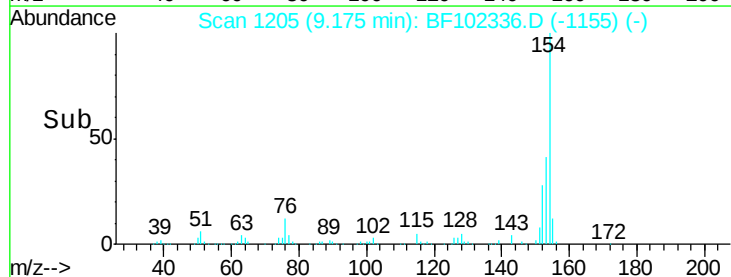
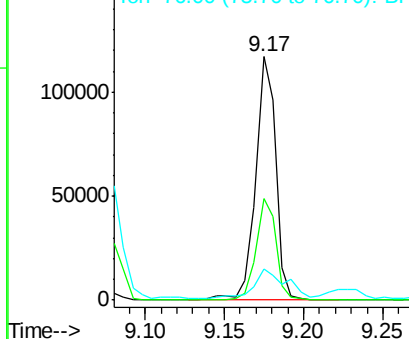


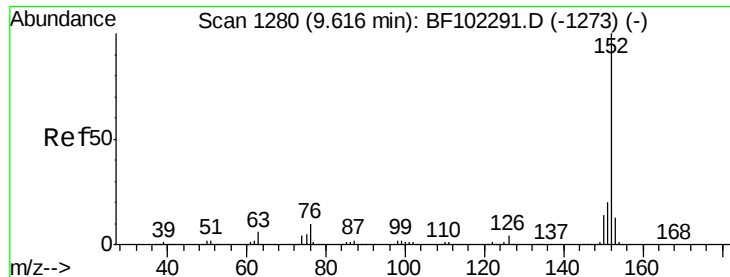
#45
 1,1'-Biphenyl
 Concen: 4.035 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: BF102336.D
 Acq: 23 Jan 2018 10:55

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.5	21.3	61.3
76	12.7	0.0	34.0



Abundance Ion 154.00 (153.70 to 154.70): E
 150000
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1





#48

Acenaphthylene

Concen: 31.308 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.00 min

Lab File: BF102336.D

Acq: 23 Jan 2018 10:55

Instrument :

BNA_F

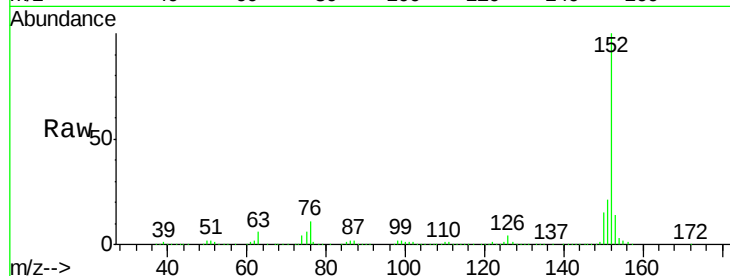
ClientSampleId :

WC-14R30-02

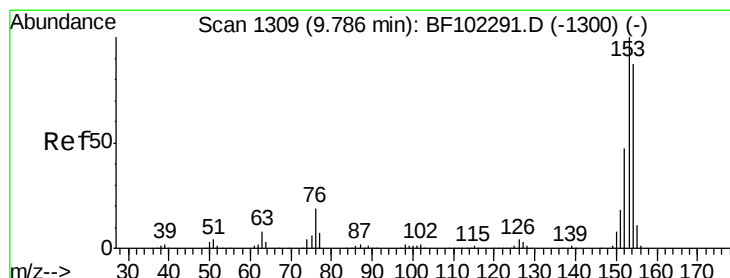
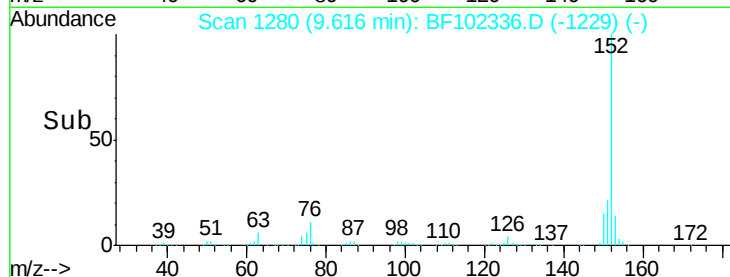
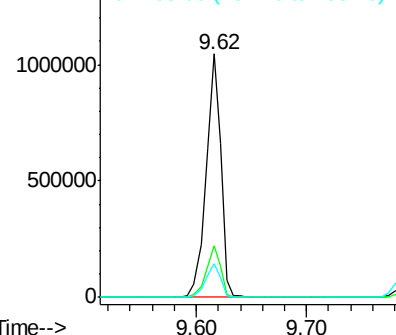
Tgt Ion:	152	Resp:	970564
Ion Ratio	Lower	Upper	
152	100		
151	21.3	16.3	24.5
153	13.9	10.7	16.1

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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: 3.187 ng

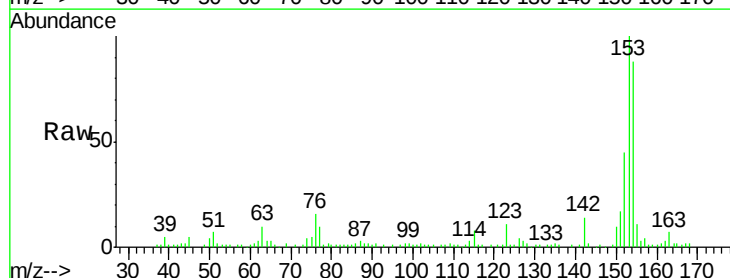
RT: 9.79 min Scan# 1309

Delta R.T. -0.00 min

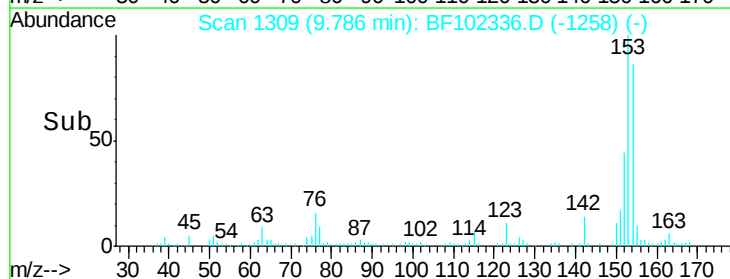
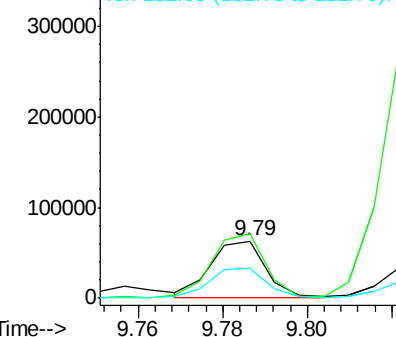
Lab File: BF102336.D

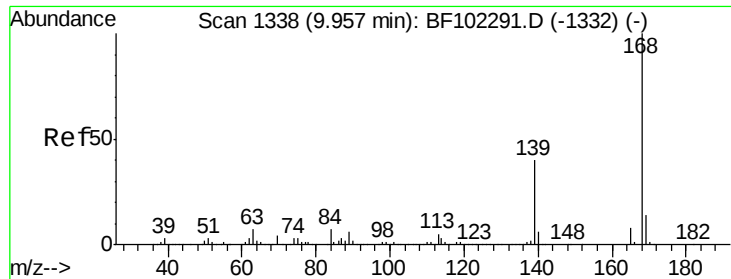
Acq: 23 Jan 2018 10:55

Tgt Ion:	154	Resp:	57702
Ion Ratio	Lower	Upper	
154	100		
153	113.5	91.2	136.8
152	51.6	43.8	65.8



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





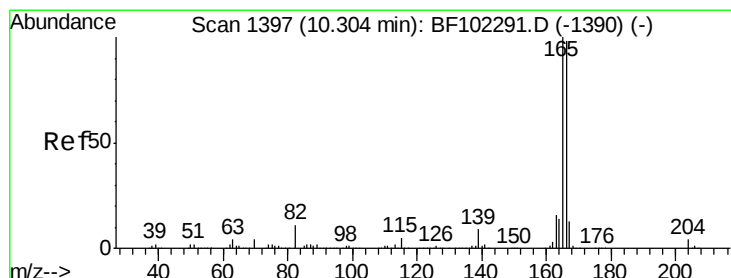
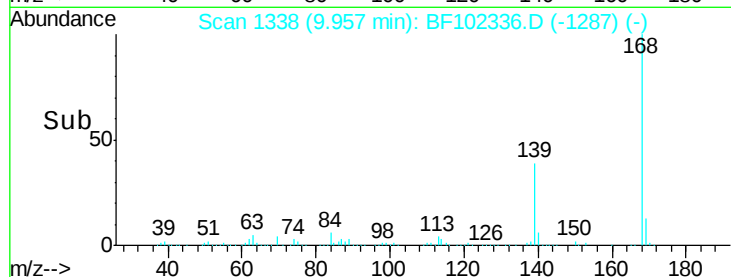
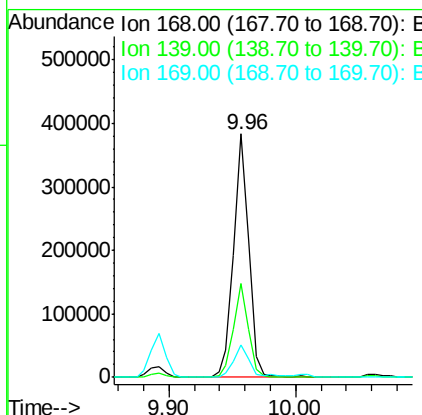
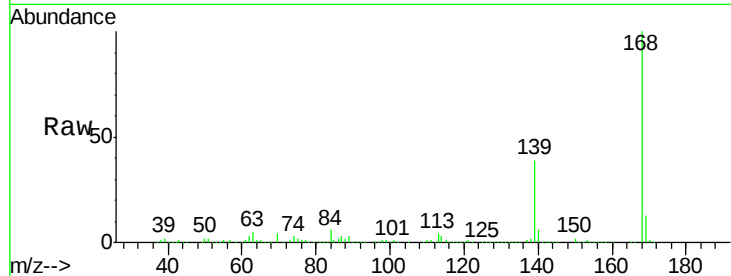
#54
Dibenzofuran
Concen: 12.881 ng
RT: 9.96 min Scan# 1338
Delta R.T. -0.00 min
Lab File: BF102336.D
Acq: 23 Jan 2018 10:55

Instrument :
BNA_F
ClientSampleId :
WC-14R30-02

Tgt Ion	Ratio	Resp Lower	Resp Upper
168	100		
139	38.7	30.1	45.1
169	13.2	10.9	16.3

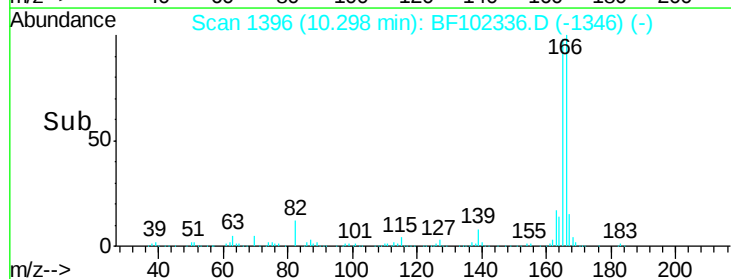
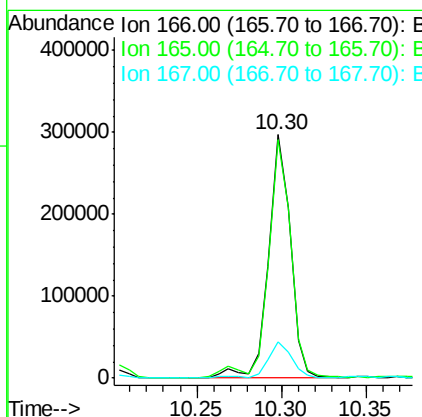
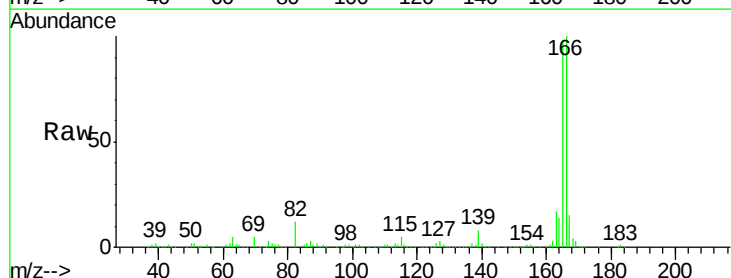
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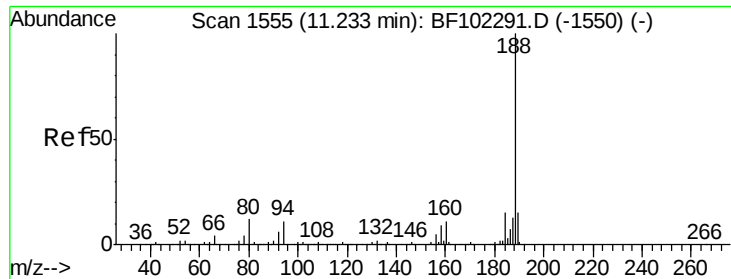
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#57
Fluorene
Concen: 13.872 ng
RT: 10.30 min Scan# 1396
Delta R.T. -0.01 min
Lab File: BF102336.D
Acq: 23 Jan 2018 10:55

Tgt Ion	Ratio	Resp Lower	Resp Upper
166	100		
165	97.7	79.8	119.8
167	15.2	10.6	16.0





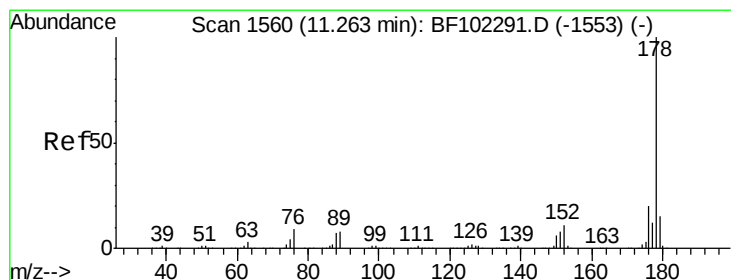
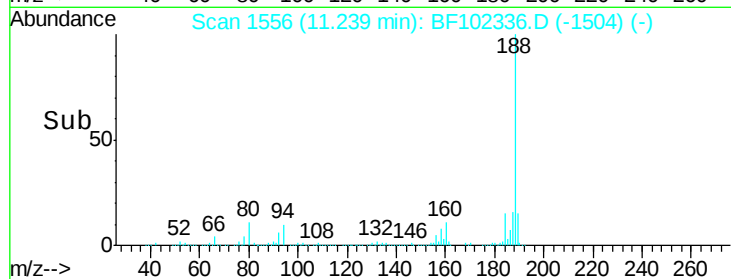
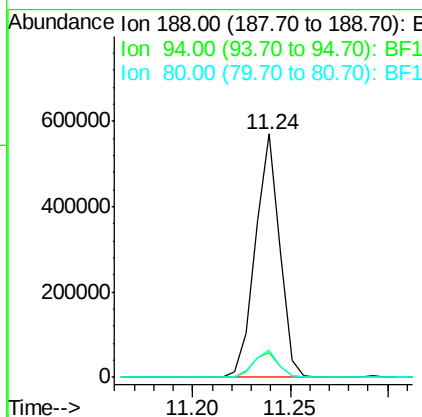
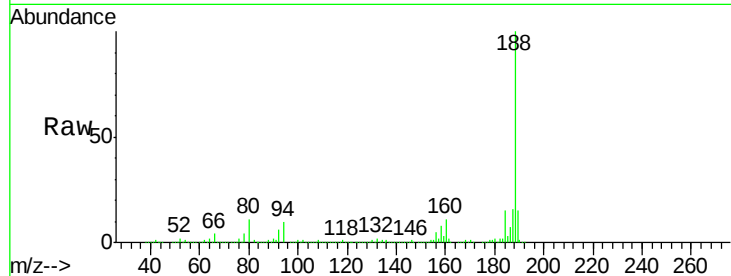
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. 0.01 min
Lab File: BF102336.D
Acq: 23 Jan 2018 10:55

Instrument :
BNA_F
ClientSampleId :
WC-14R30-02

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.4	8.5	12.7
80	11.2	9.2	13.8

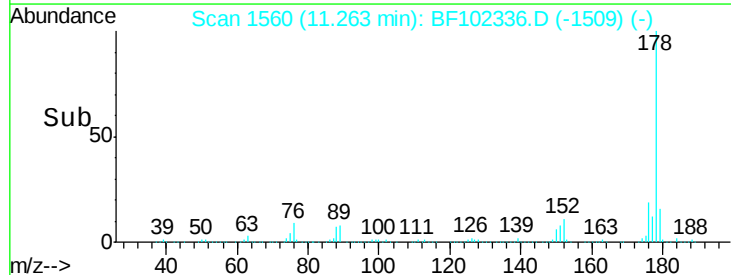
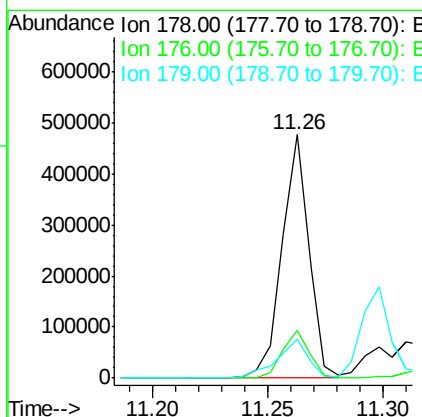
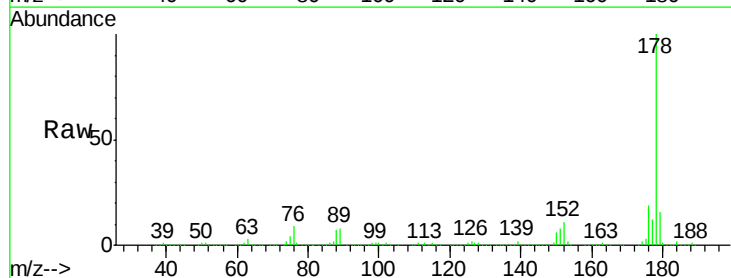
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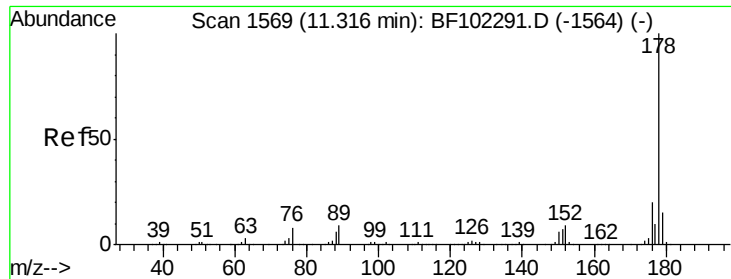
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#70
Phenanthrene
Concen: 13.324 ng
RT: 11.26 min Scan# 1560
Delta R.T. -0.00 min
Lab File: BF102336.D
Acq: 23 Jan 2018 10:55

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.4	15.8	23.8
179	15.9	13.0	19.6





#71

Anthracene

Concen: 3.751 ng m

RT: 11.31 min Scan# 1568

Delta R.T. -0.01 min

Lab File: BF102336.D

Acq: 23 Jan 2018 10:55

Instrument :

BNA_F

ClientSampleId :

WC-14R30-02

Tgt Ion:178 Resp: 110098

Ion Ratio Lower Upper

178 100

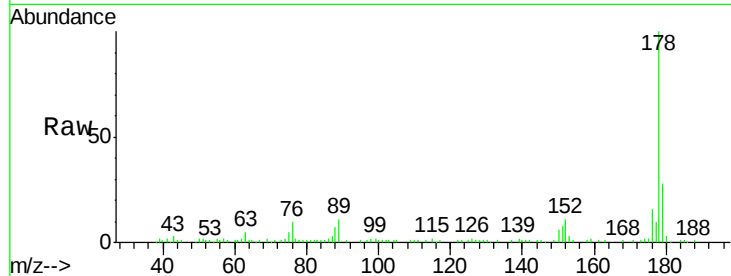
176 16.4 15.4 23.2

179 27.5 12.6 19.0#

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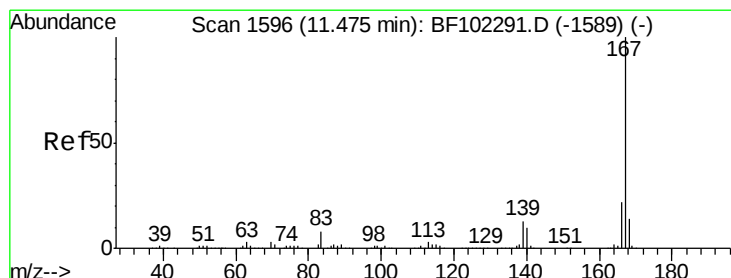
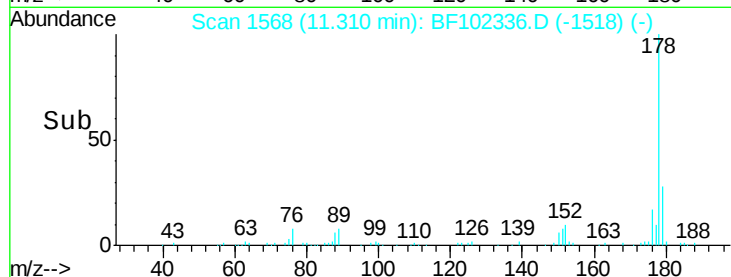
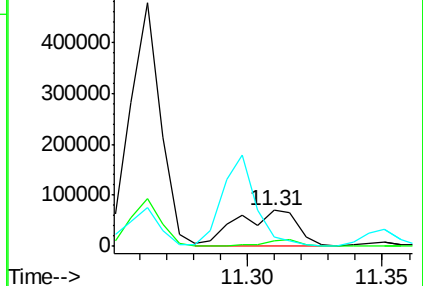
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Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 37.818 ng

RT: 11.48 min Scan# 1597

Delta R.T. 0.01 min

Lab File: BF102336.D

Acq: 23 Jan 2018 10:55

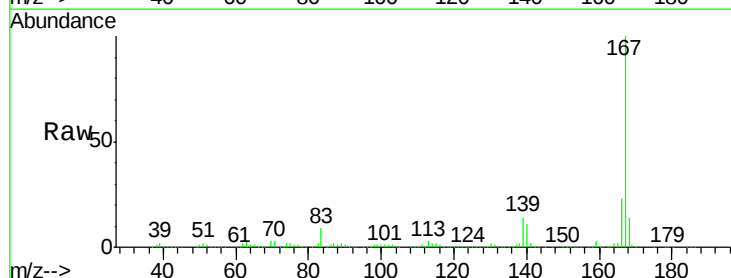
Tgt Ion:167 Resp: 1083042

Ion Ratio Lower Upper

167 100

166 22.6 17.6 26.4

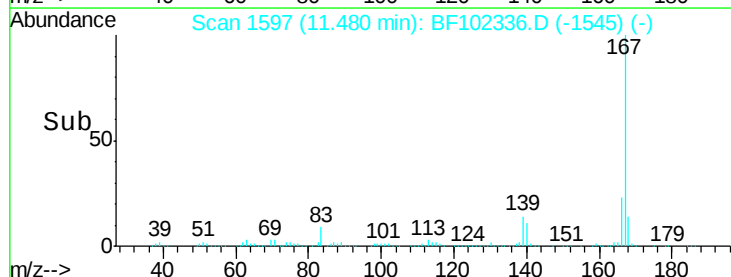
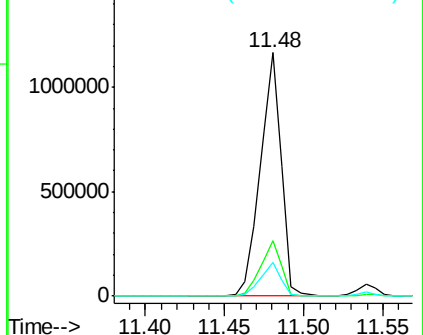
139 13.8 10.9 16.3

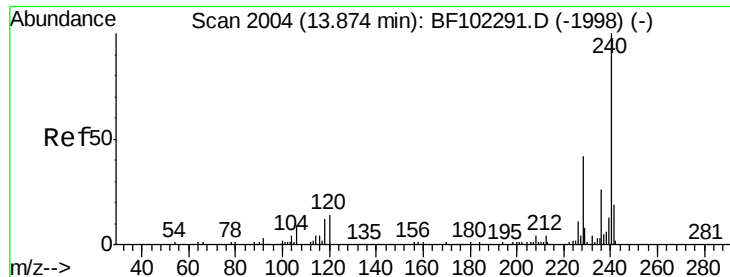


Abundance Ion 167.00 (166.70 to 167.70): E

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: 13.87 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BF102336.D

Acq: 23 Jan 2018 10:55

Instrument :

BNA_F

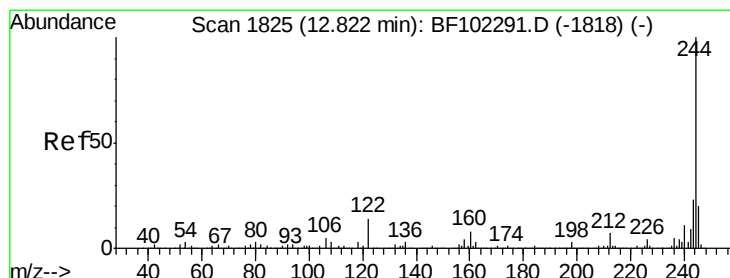
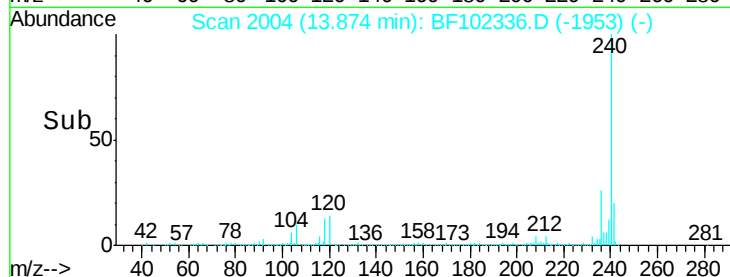
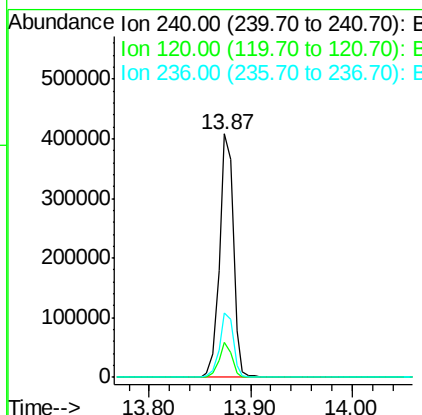
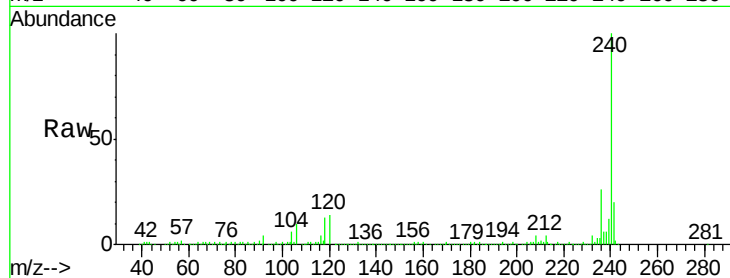
ClientSampleId :

WC-14R30-02

Tgt Ion:	240	Resp:	389183
Ion Ratio		Lower	Upper
240	100		
120	14.3	9.5	14.3
236	26.2	20.7	31.1

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#78

Terphenyl-d14

Concen: 90.696 ng

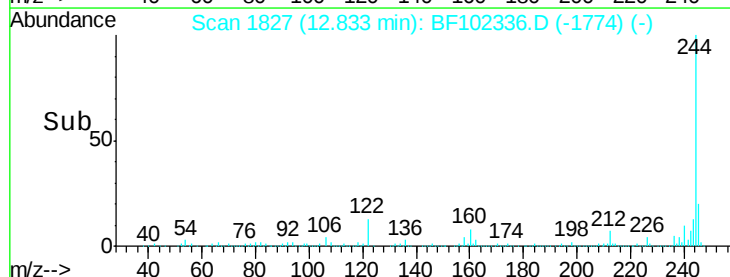
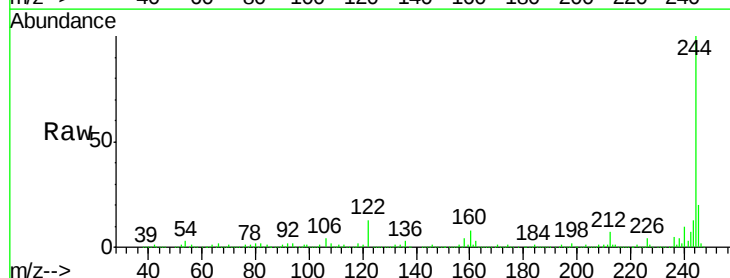
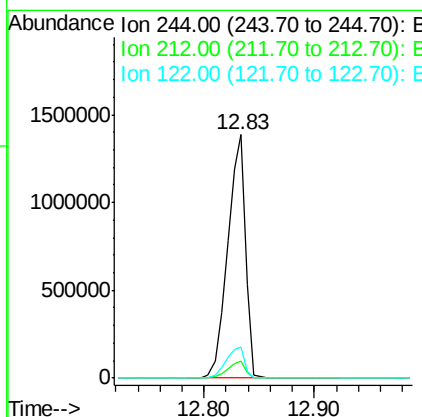
RT: 12.83 min Scan# 1827

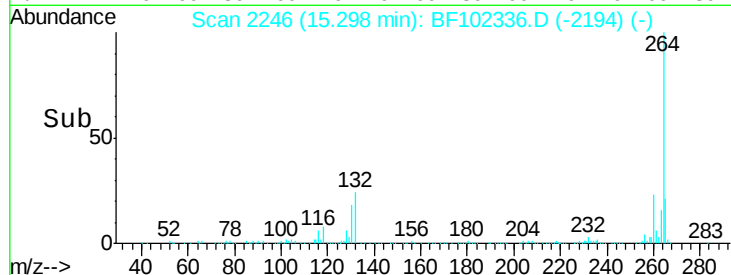
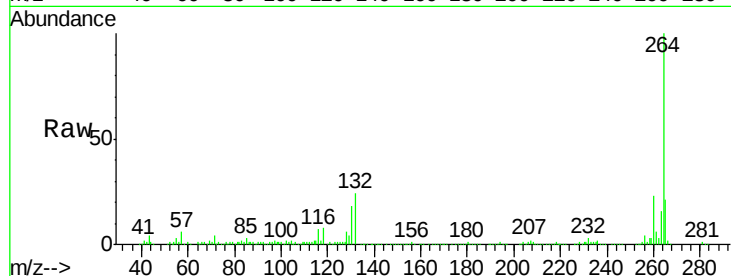
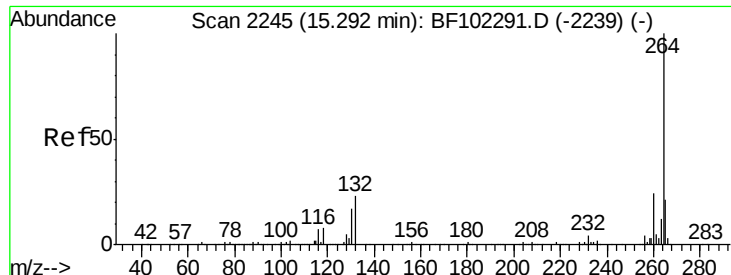
Delta R.T. 0.01 min

Lab File: BF102336.D

Acq: 23 Jan 2018 10:55

Tgt Ion:	244	Resp:	1565730
Ion Ratio		Lower	Upper
244	100		
212	7.1	5.4	8.0
122	12.8	11.0	16.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.30 min Scan# 2246
Delta R.T. 0.01 min
Lab File: BF102336.D
Acq: 23 Jan 2018 10:55

Instrument :
BNA_F
ClientSampled :
WC-14R30-02

Tgt Ion	Ratio	Resp Lower	Upper
264	100		
260	23.5	19.2	28.8
265	20.6	17.5	26.3

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