

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA_F\DATA\BF012318\
 Data File : BF102343.D
 Acq On : 23 Jan 2018 14:06
 Operator : SJ/JU
 Sample : J1239-16
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-43-01

Manual Integrations
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Sohil
 1/24/2018 2:46:48 PM

Quant Time: Jan 24 01:02:00 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	144560	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	449960	20.00	ng	0.02
38) Acenaphthene-d10	9.75	164	280040	20.00	ng	0.00
63) Phenanthrene-d10	11.24	188	485722	20.00	ng	0.00
75) Chrysene-d12	13.87	240	393062	20.00	ng	0.00
86) Perylene-d12	15.30	264	295133	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.35	112	1201037	125.97	ng	0.02
7) Phenol-d6	6.41	99	963878	83.86	ng	0.05
23) Nitrobenzene-d5	7.31	82	994097	126.96	ng	0.02
41) 2,4,6-Tribromophenol	10.55	330	341585	123.10	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1683871	88.41	ng	0.00
78) Terphenyl-d14	12.83	244	1616999	92.74	ng	0.00
Target Compounds						Qvalue
3) Pyridine	3.20	79	233734	19.744	ng	99
10) Phenol	6.46	94	9066956	722.560	ng	96
17) 2-Methylphenol	7.01	107	1918294	221.008	ng	97
20) 3+4-Methylphenols	7.20	107	5572991	545.925	ng	87
27) 2,4-Dimethylphenol	7.70	122	1434766	234.297	ng	92
31) Naphthalene	8.06	128	9769582	434.864	ng	98
37) 2-Methylnaphthalene	8.72	142	644947	43.107	ng	99
45) 1,1'-Biphenyl	9.17	154	124025	4.953	ng	97
48) Acenaphthylene	9.62	152	932903	30.766	ng	100
54) Dibenzofuran	9.96	168	316912	13.223	ng	98
57) Fluorene	10.30	166	276292	14.548	ng	# 96
70) Phenanthrene	11.26	178	326747	11.544	ng	99
71) Anthracene	11.31	178	83835m	2.902	ng	
72) Carbazole	11.48	167	1127146	39.992	ng	99

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

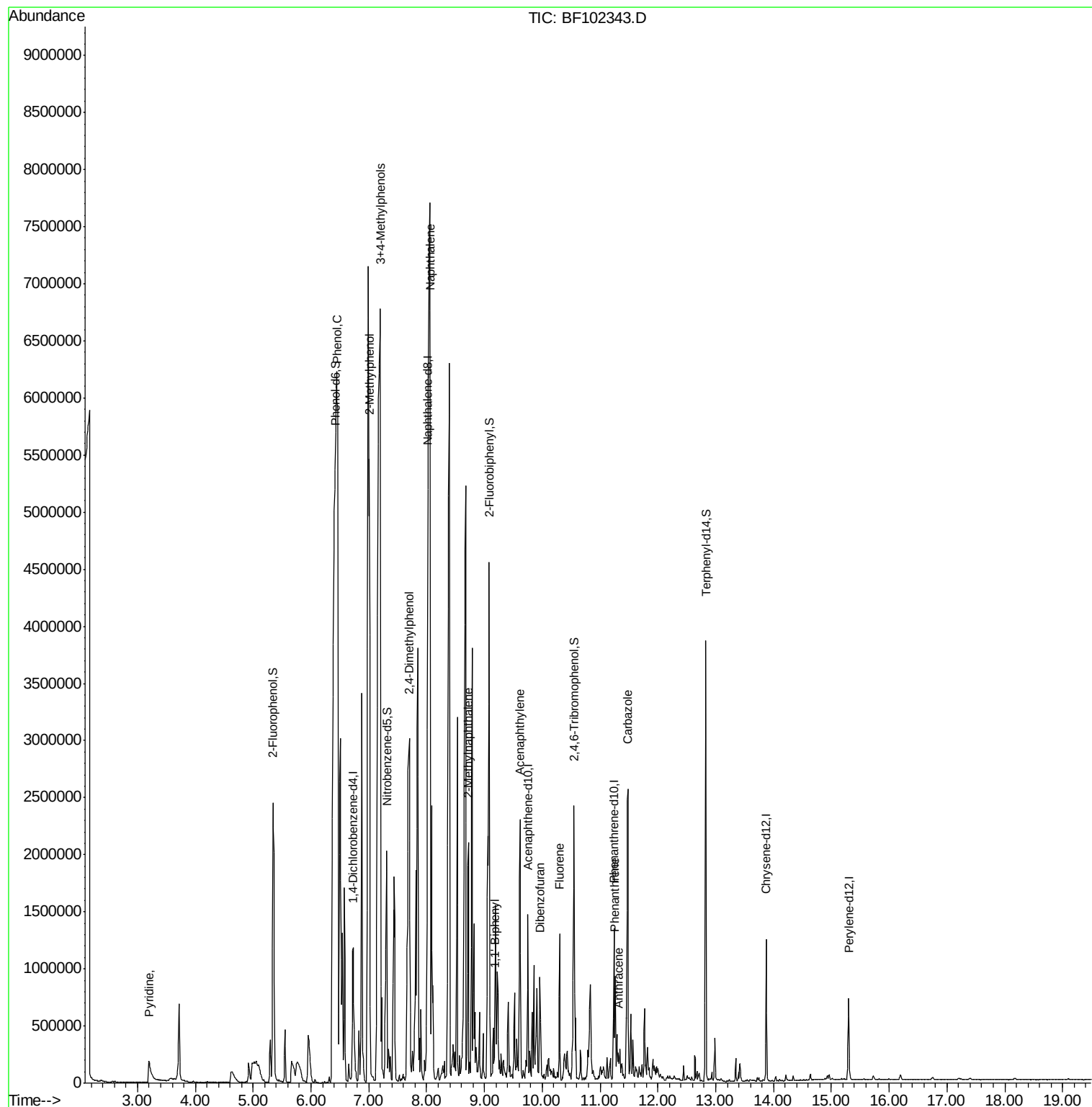
Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF012318\
Data File : BF102343.D
Acq On : 23 Jan 2018 14:06
Operator : SJ/JU
Sample : J1239-16
Misc :
ALS Vial : 11 Sample Multiplier: 1

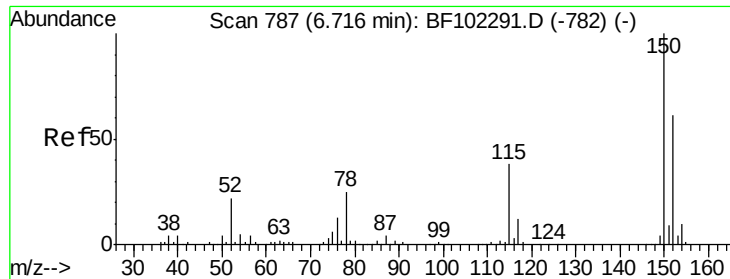
Instrument :
BNA_F
ClientSampleId :
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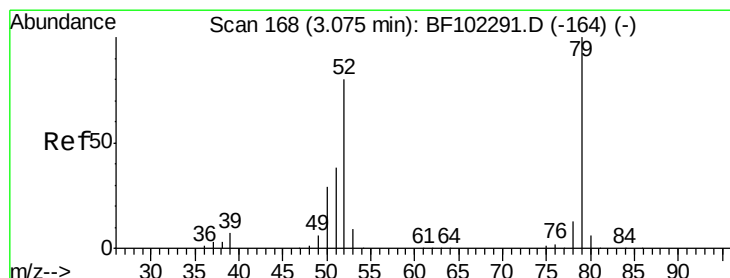
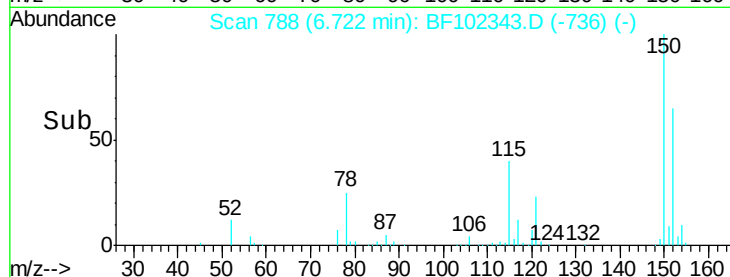
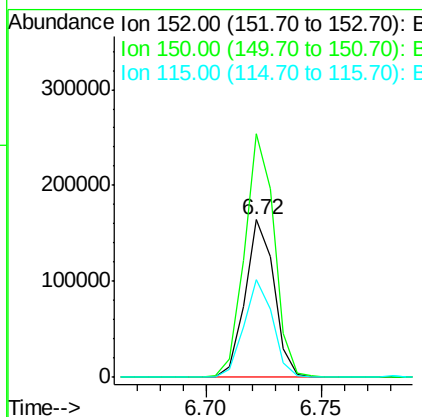
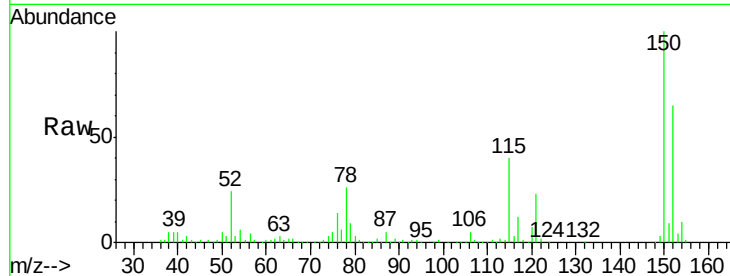
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.72 min Scan# 788
 Delta R.T. 0.01 min
 Lab File: BF102343.D
 Acq: 23 Jan 2018 14:06

Instrument :
 BNA_F
 ClientSampleId :
 WC-43-01

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.8	124.6	186.8
115	62.0	50.1	75.1

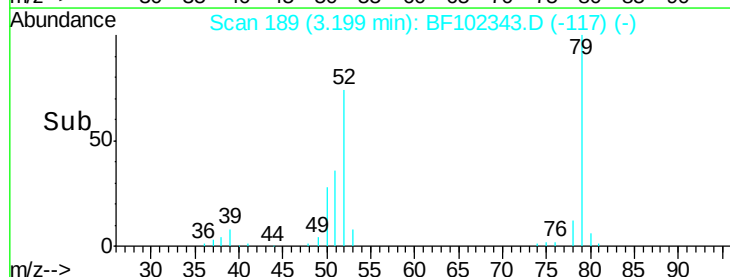
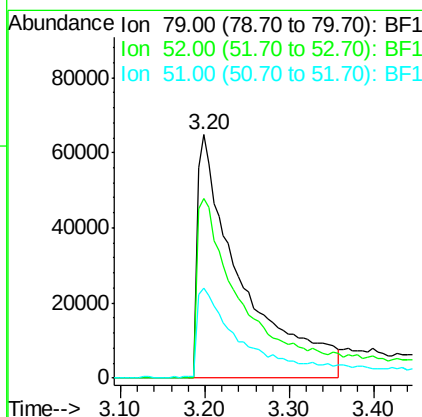
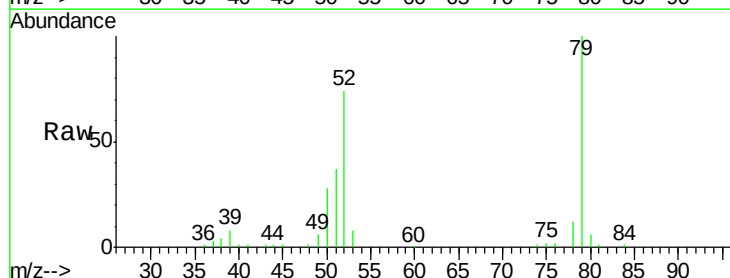
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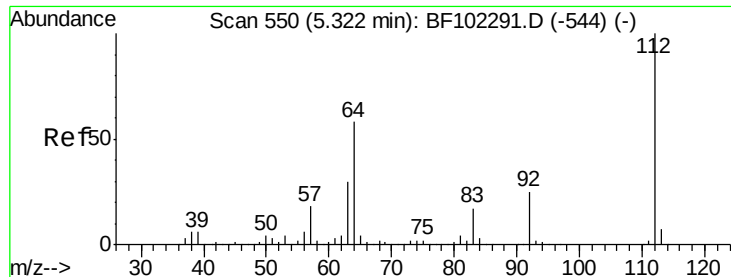
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#3
 Pyridine
 Concen: 19.744 ng
 RT: 3.20 min Scan# 189
 Delta R.T. 0.12 min
 Lab File: BF102343.D
 Acq: 23 Jan 2018 14:06

Tgt Ion	Ratio	Lower	Upper
79	100		
52	73.6	59.8	89.6
51	36.8	29.8	44.8





#5

2-Fluorophenol

Concen: 125.974 ng

RT: 5.35 min Scan# 554

Delta R.T. 0.02 min

Lab File: BF102343.D

Acq: 23 Jan 2018 14:06

Instrument :

BNA_F

ClientSampleId :

WC-43-01

Tgt Ion: 112 Resp: 1201037

Ion Ratio Lower Upper

112 100

64 59.1 47.9 71.9

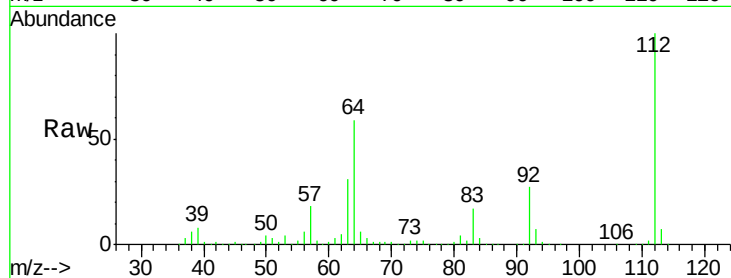
63 30.7 23.7 35.5

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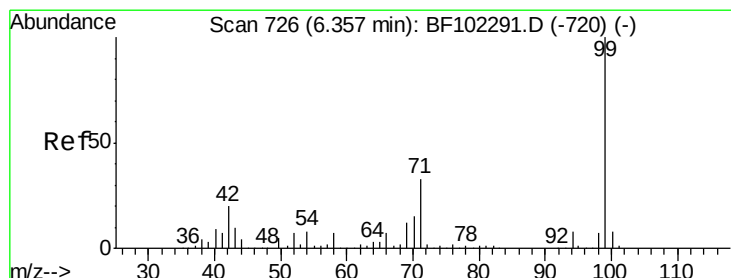
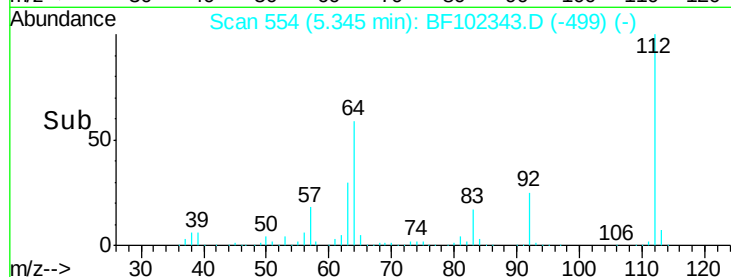
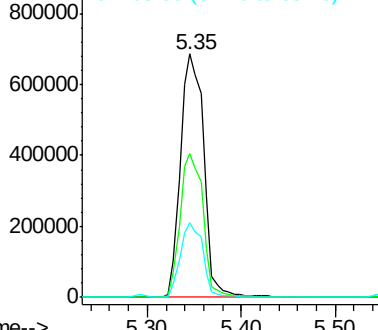
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#7

Phenol-d6

Concen: 83.859 ng

RT: 6.41 min Scan# 735

Delta R.T. 0.05 min

Lab File: BF102343.D

Acq: 23 Jan 2018 14:06

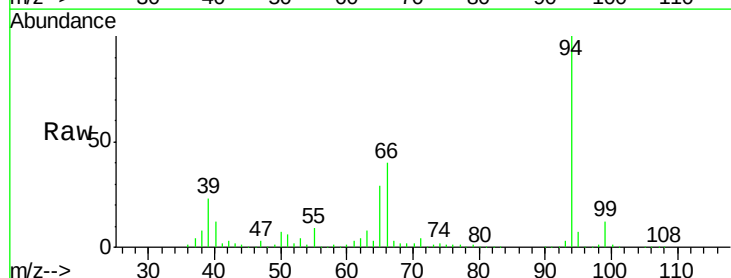
Tgt Ion: 99 Resp: 963878

Ion Ratio Lower Upper

99 100

42 25.9 14.5 21.7#

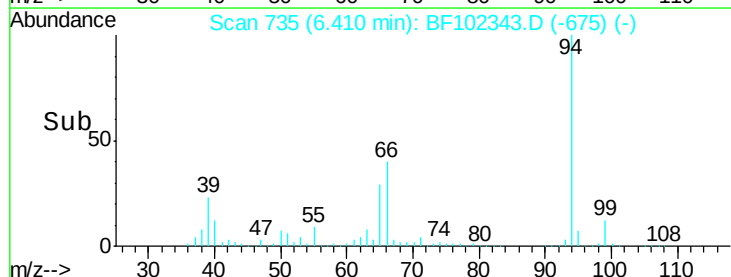
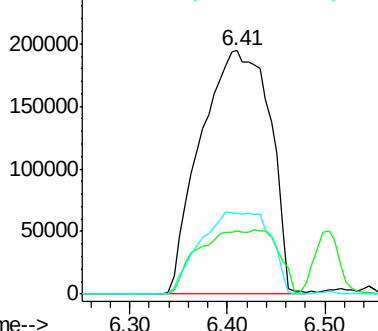
71 33.2 25.4 38.0

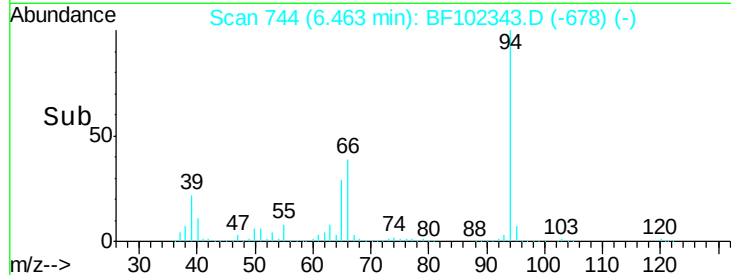
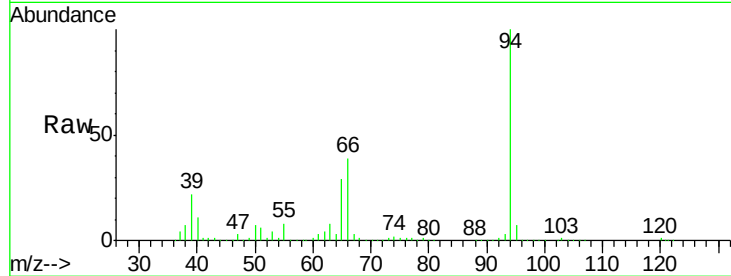
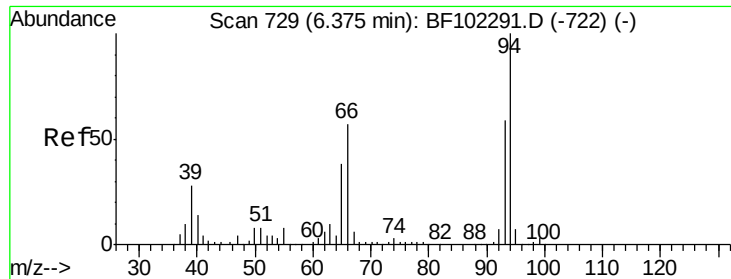


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#10

Phenol

Concen: 722.560 ng

RT: 6.46 min Scan# 744

Delta R.T. 0.09 min

Lab File: BF102343.D

Acq: 23 Jan 2018 14:06

Tgt Ion: 94 Resp: 9066956

Ion Ratio Lower Upper

94 100

65 28.7 7.9 47.9

66 39.5 16.2 56.2

Instrument :

BNA_F

ClientSampled :

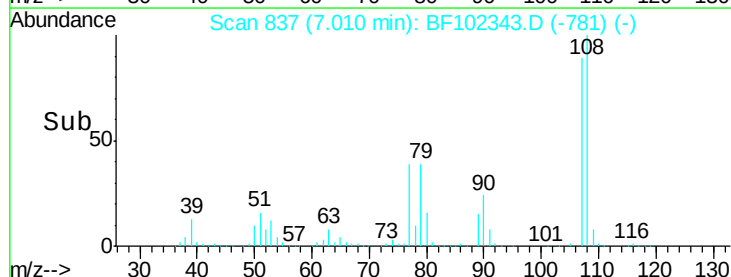
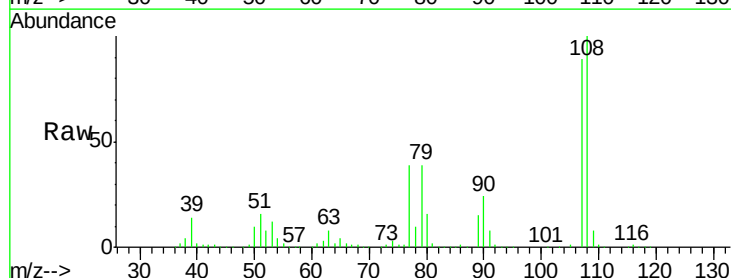
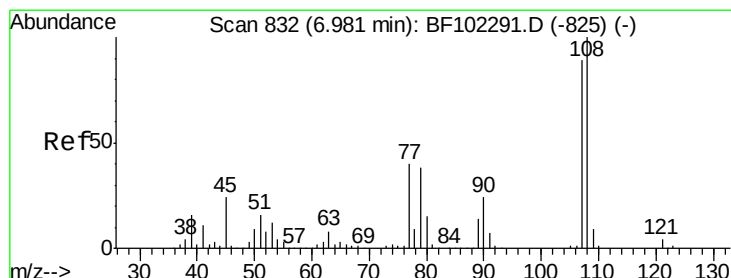
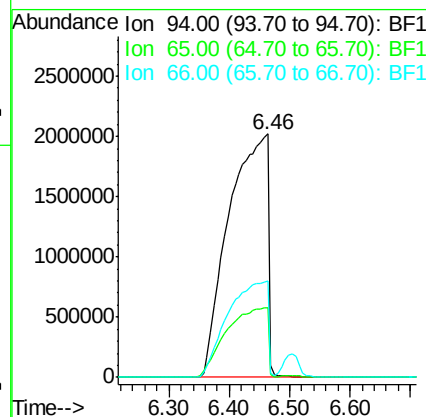
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#17

2-Methylphenol

Concen: 221.008 ng

RT: 7.01 min Scan# 837

Delta R.T. 0.03 min

Lab File: BF102343.D

Acq: 23 Jan 2018 14:06

Tgt Ion: 107 Resp: 1918294

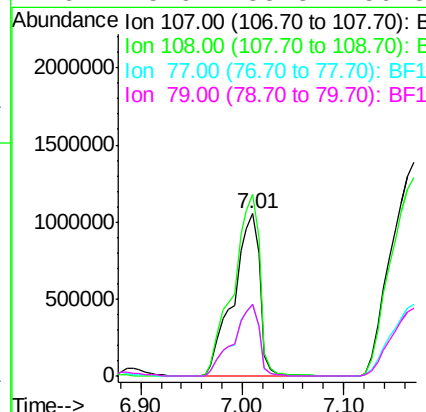
Ion Ratio Lower Upper

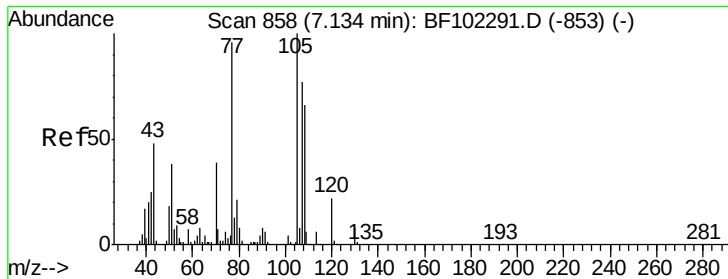
107 100

108 111.9 91.7 137.5

77 43.9 33.8 50.8

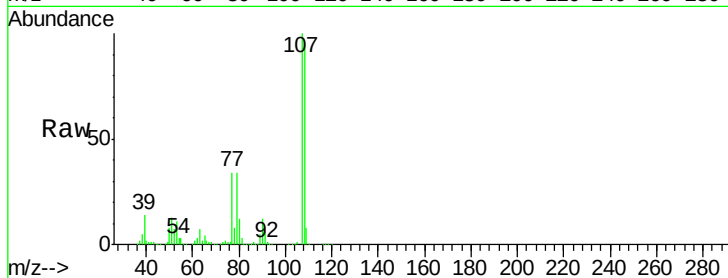
79 43.9 33.8 50.8





#20
3+4-Methylphenols
Concen: 545.925 ng
RT: 7.20 min Scan# 869
Delta R.T. 0.06 min
Lab File: BF102343.D
Acq: 23 Jan 2018 14:06

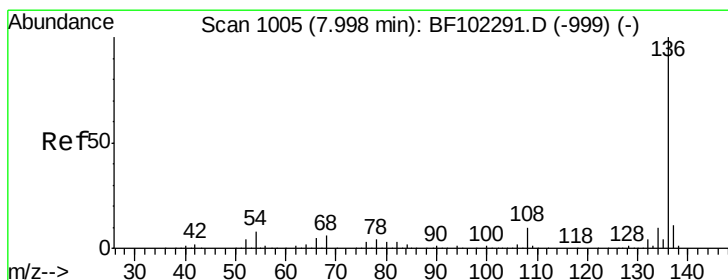
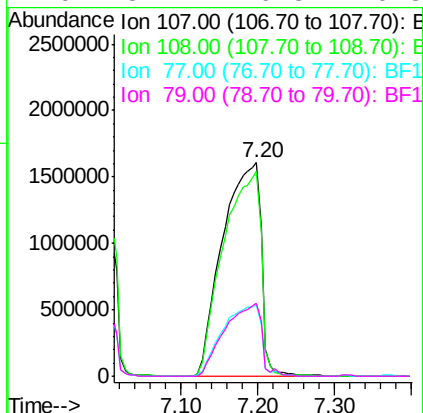
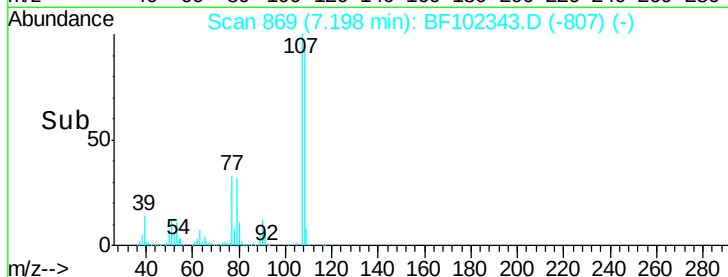
Instrument :
BNA_F
ClientSampleId :
WC-43-01



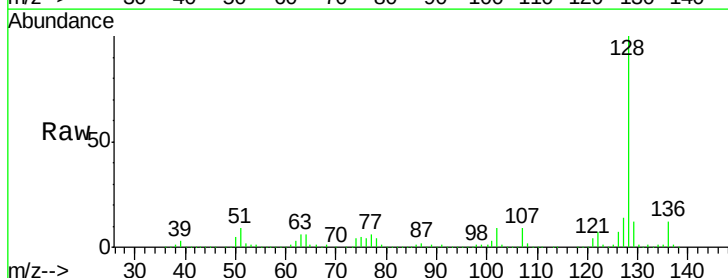
Tgt Ion	Ratio	Lower	Upper
107	100		
108	96.1	68.2	108.2
77	33.7	26.7	66.7
79	34.2	6.3	46.3

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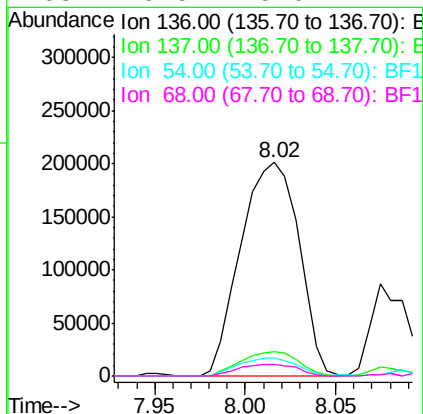
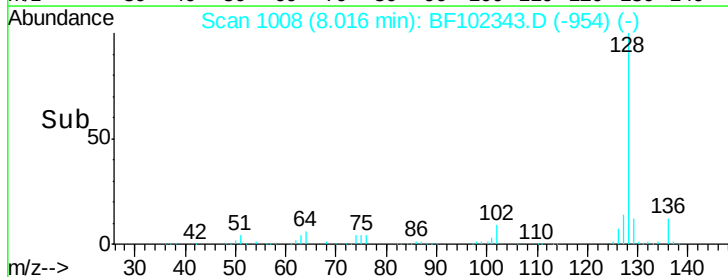
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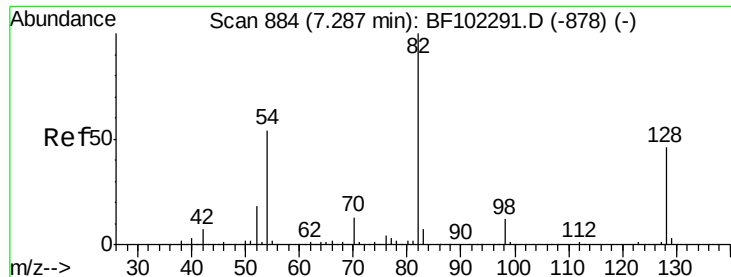


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.02 min Scan# 1008
Delta R.T. 0.02 min
Lab File: BF102343.D
Acq: 23 Jan 2018 14:06



Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	8.4	6.6	9.8
68	5.5	5.0	7.4





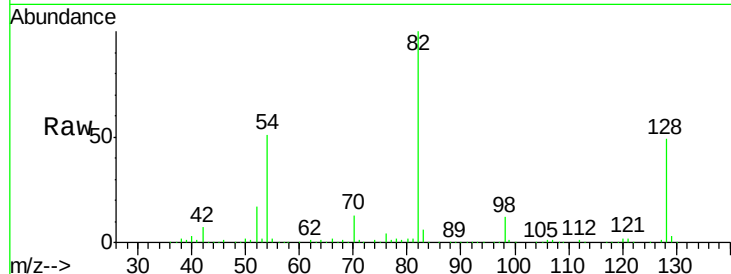
#23
 Nitrobenzene-d5
 Concen: 126.962 ng
 RT: 7.31 min Scan# 888
 Delta R.T. 0.02 min
 Lab File: BF102343.D
 Acq: 23 Jan 2018 14:06

Instrument :
 BNA_F
 ClientSampled :
 WC-43-01

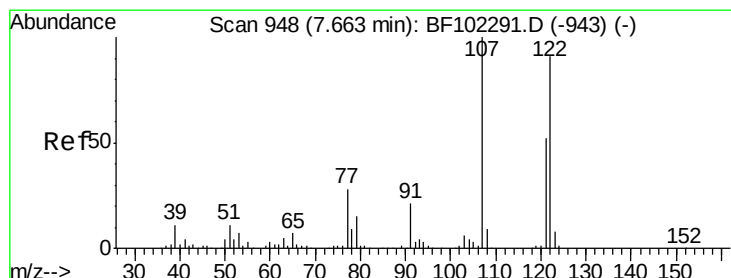
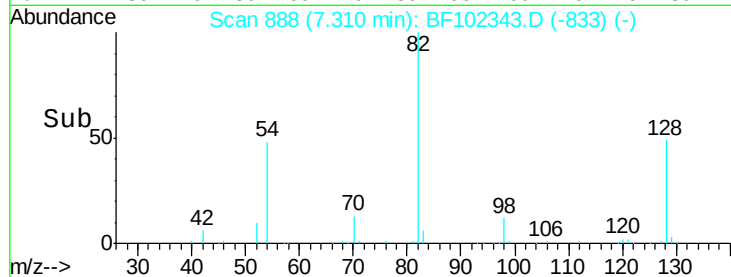
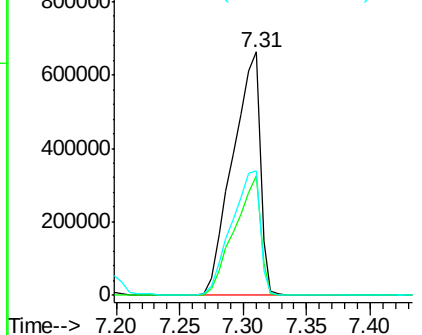
Tgt Ion	Ratio	Resp	Lower	Upper
82	100	994097		
128	48.9	36.1	54.1	
54	51.0	41.4	62.2	

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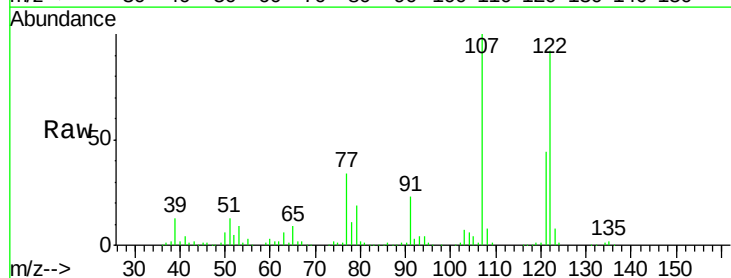


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

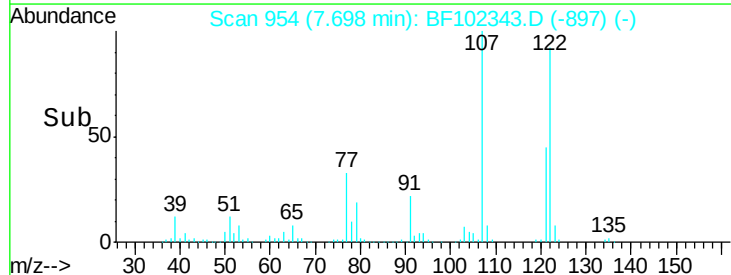
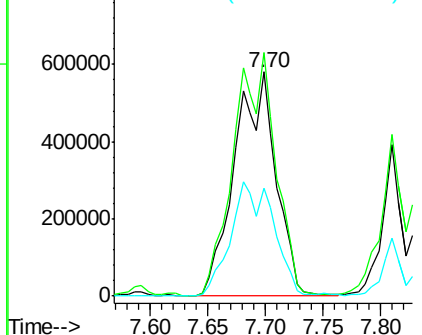


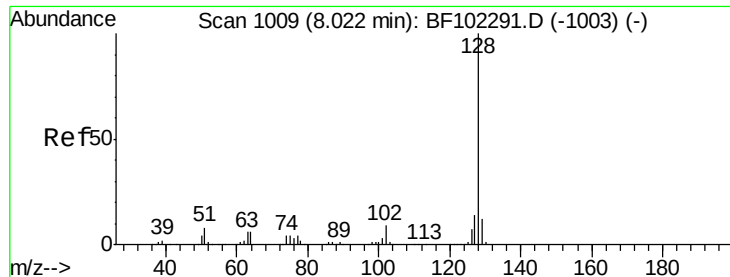
#27
 2,4-Dimethylphenol
 Concen: 234.297 ng
 RT: 7.70 min Scan# 954
 Delta R.T. 0.04 min
 Lab File: BF102343.D
 Acq: 23 Jan 2018 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	1434766		
107	108.8	91.2	136.8	
121	48.4	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: 434.864 ng

RT: 8.06 min Scan# 1015

Delta R.T. 0.04 min

Lab File: BF102343.D

Acq: 23 Jan 2018 14:06

Instrument :

BNA_F

ClientSampleId :

WC-43-01

Tgt Ion:128 Resp: 9769582

Ion Ratio Lower Upper

128 100

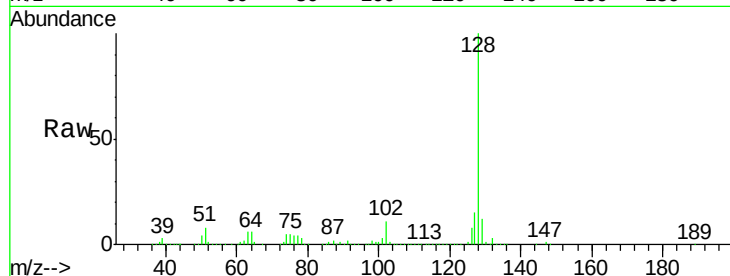
129 11.7 8.8 13.2

127 14.7 10.9 16.3

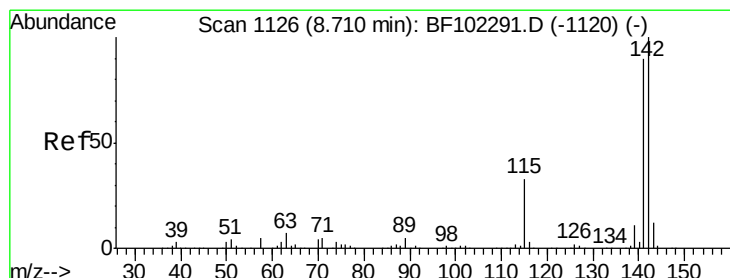
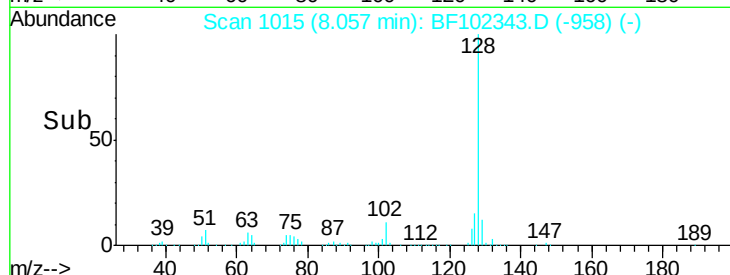
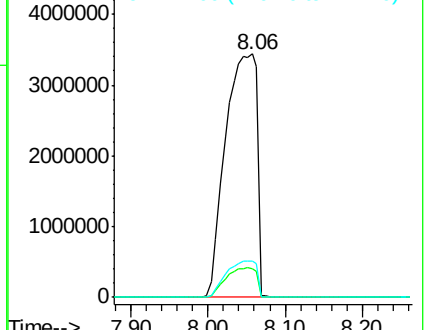
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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 43.107 ng

RT: 8.72 min Scan# 1128

Delta R.T. 0.01 min

Lab File: BF102343.D

Acq: 23 Jan 2018 14:06

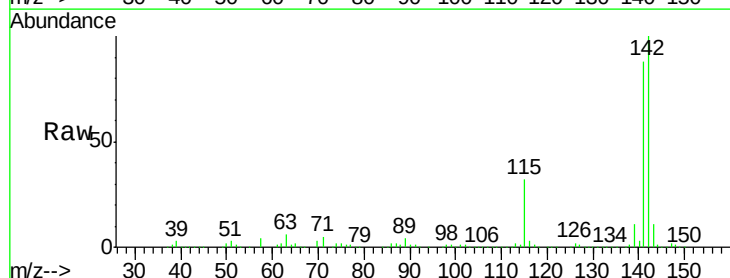
Tgt Ion:142 Resp: 644947

Ion Ratio Lower Upper

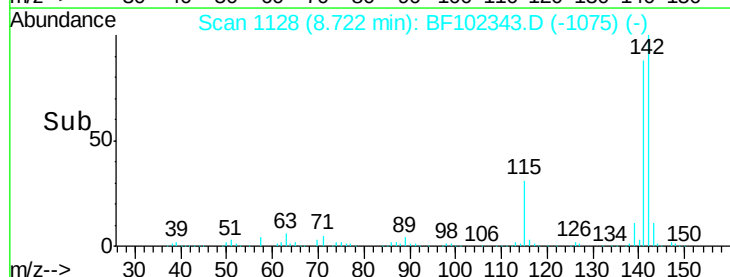
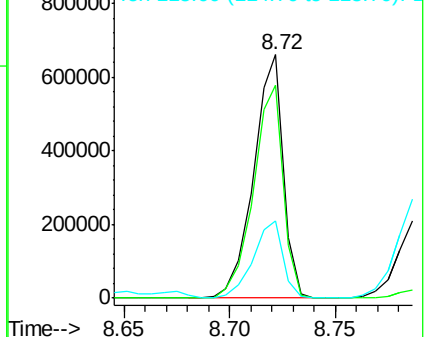
142 100

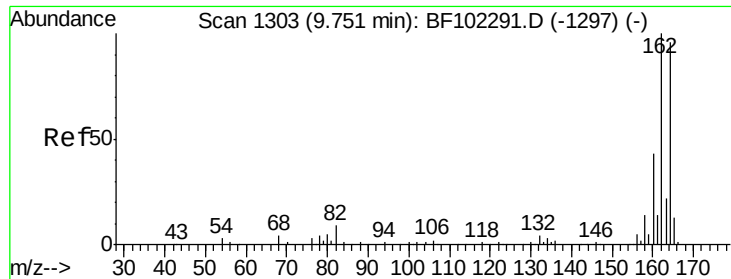
141 87.6 70.8 106.2

115 31.5 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





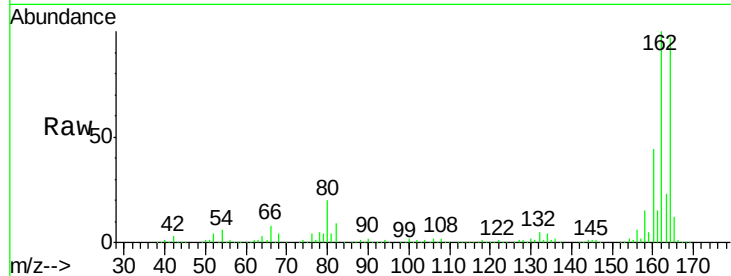
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.00 min
Lab File: BF102343.D
Acq: 23 Jan 2018 14:06

Instrument :
BNA_F
ClientSampleId :
WC-43-01

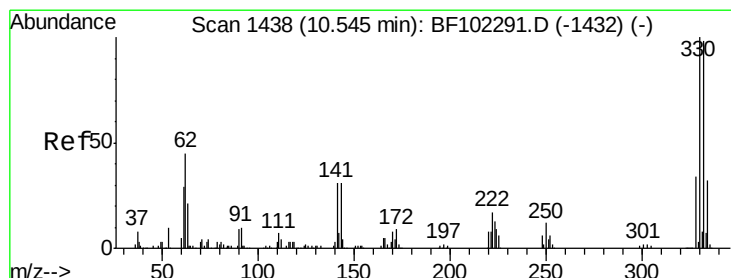
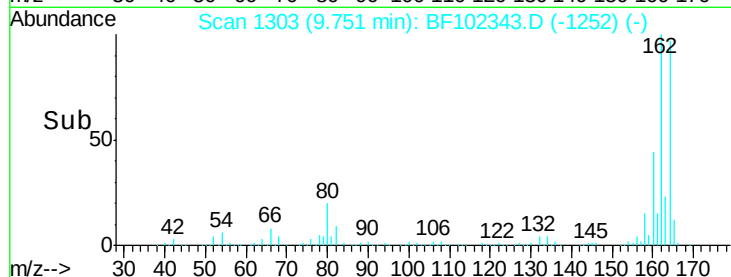
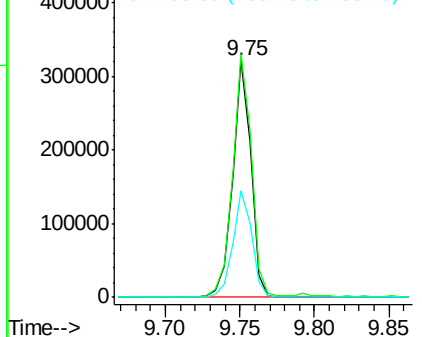
Tgt Ion	Ratio	Resp	Lower	Upper
164	100	280040		
162	102.9	86.1	129.1	
160	44.9	38.3	57.5	

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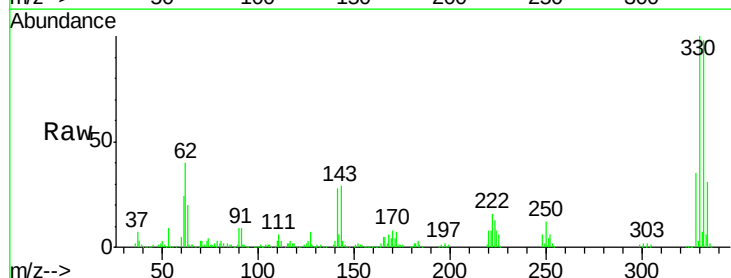


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

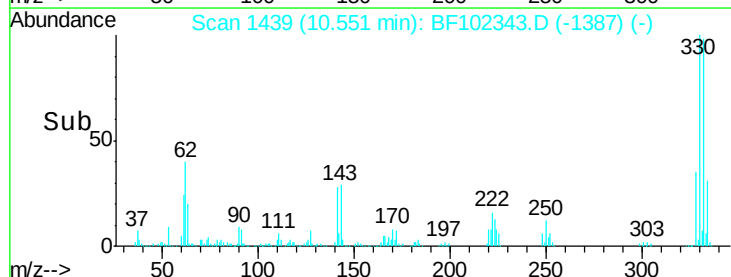
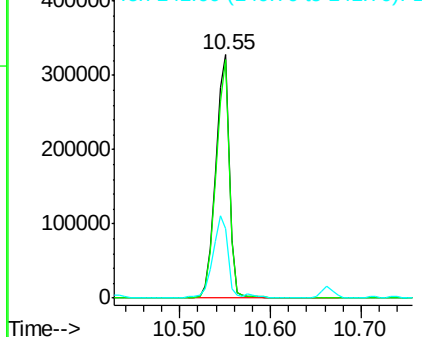


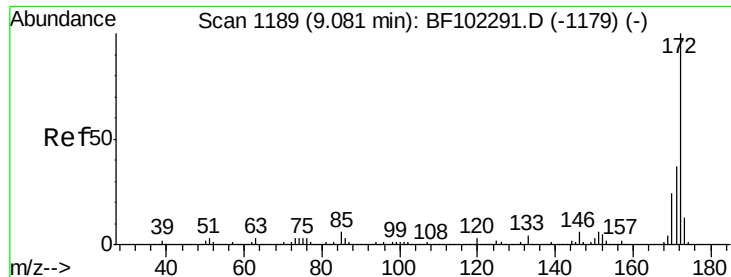
#41
2,4,6-Tribromophenol
Concen: 123.103 ng
RT: 10.55 min Scan# 1439
Delta R.T. 0.01 min
Lab File: BF102343.D
Acq: 23 Jan 2018 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	341585		
332	95.5	77.0	115.6	
141	37.1	29.9	44.9	



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





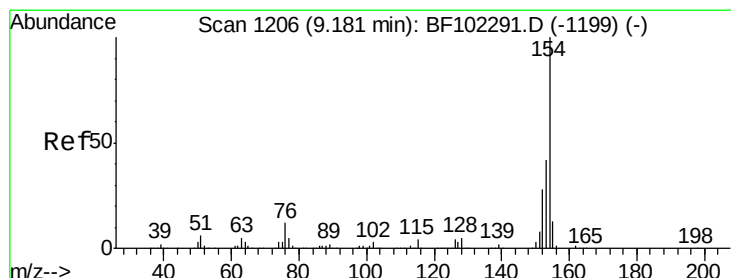
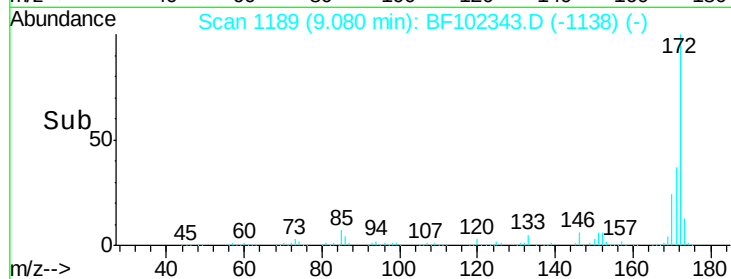
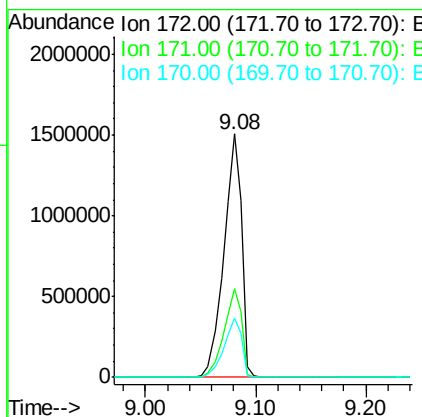
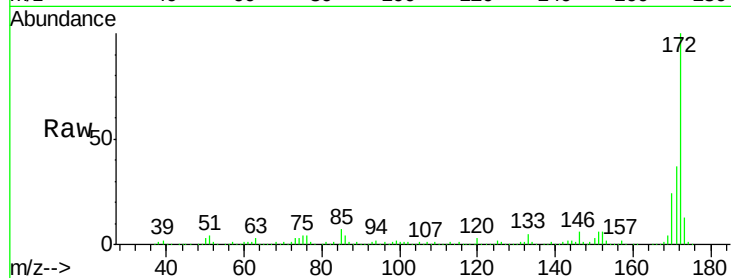
#44
 2-Fluorobiphenyl
 Concen: 88.412 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.00 min
 Lab File: BF102343.D
 Acq: 23 Jan 2018 14:06

Instrument :
 BNA_F
 ClientSampleId :
 WC-43-01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	24.3	19.6	29.4

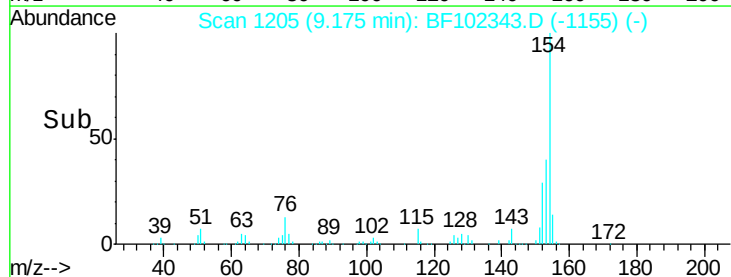
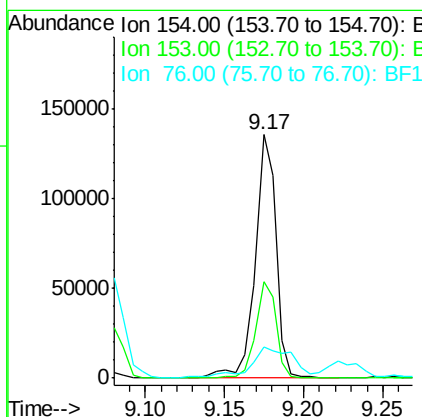
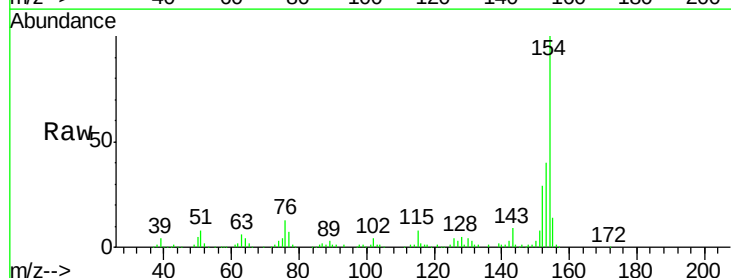
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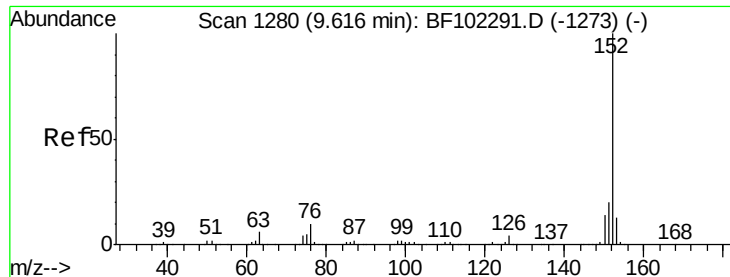
Sohil
 1/24/2018 2:46:48 PM



#45
 1,1'-Biphenyl
 Concen: 4.953 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: BF102343.D
 Acq: 23 Jan 2018 14:06

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.5	21.3	61.3
76	13.0	0.0	34.0





#48

Acenaphthylene

Concen: 30.766 ng

RT: 9.62 min Scan# 1280

Delta R.T. -0.00 min

Lab File: BF102343.D

Acq: 23 Jan 2018 14:06

Instrument :

BNA_F

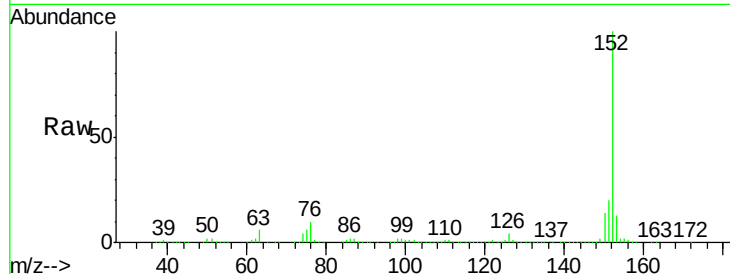
ClientSampled :

WC-43-01

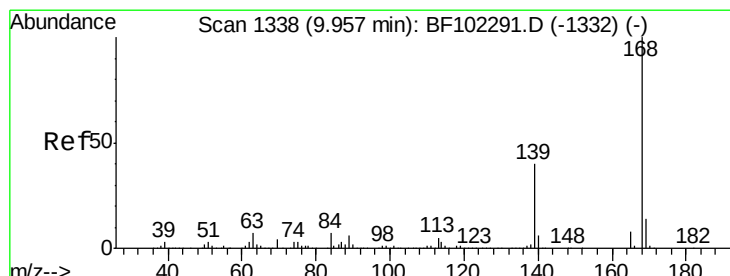
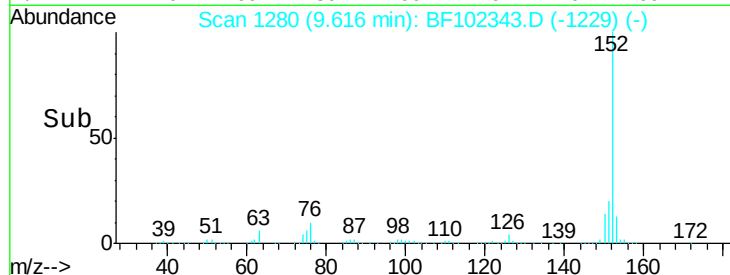
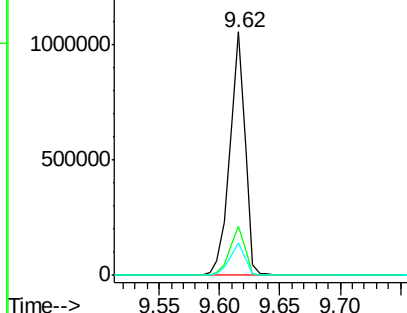
Tgt Ion:	152	Resp:	932903
Ion Ratio	Lower	Upper	
152	100		
151	20.2	16.3	24.5
153	13.3	10.7	16.1

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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



#54

Dibenzofuran

Concen: 13.223 ng

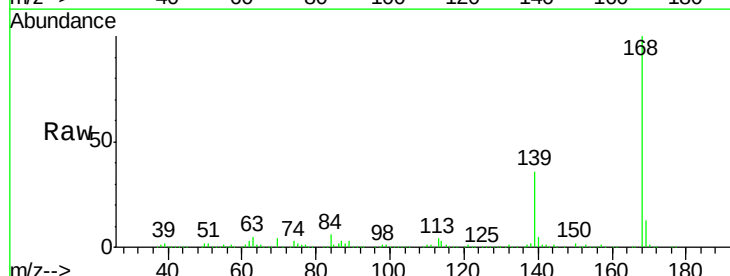
RT: 9.96 min Scan# 1338

Delta R.T. -0.00 min

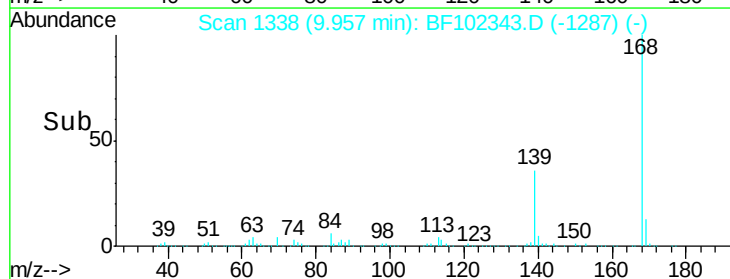
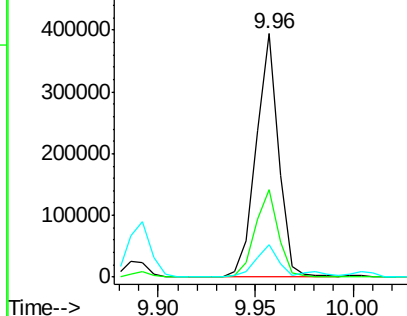
Lab File: BF102343.D

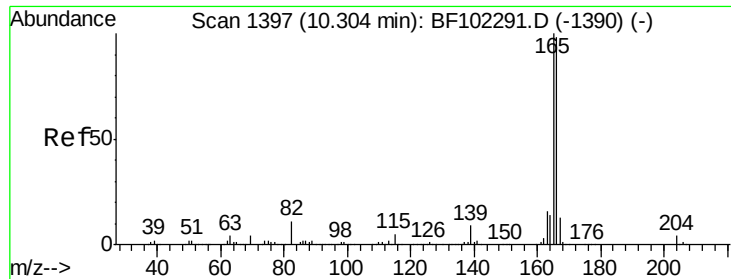
Acq: 23 Jan 2018 14:06

Tgt Ion:	168	Resp:	316912
Ion Ratio	Lower	Upper	
168	100		
139	36.2	30.1	45.1
169	13.5	10.9	16.3



Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





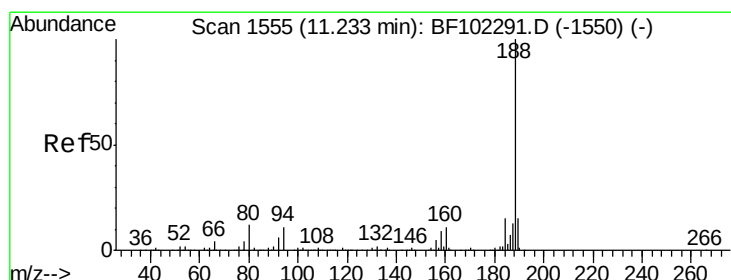
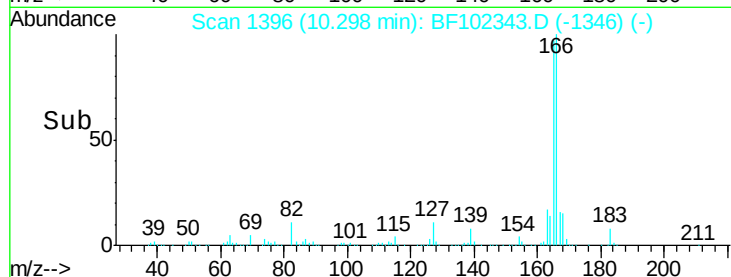
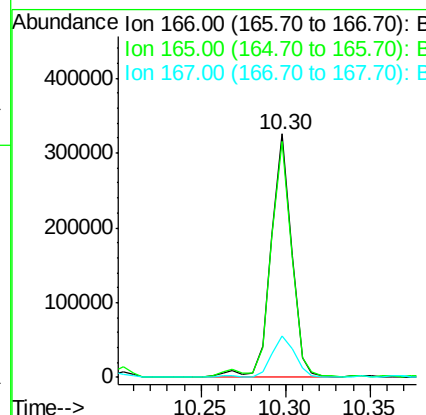
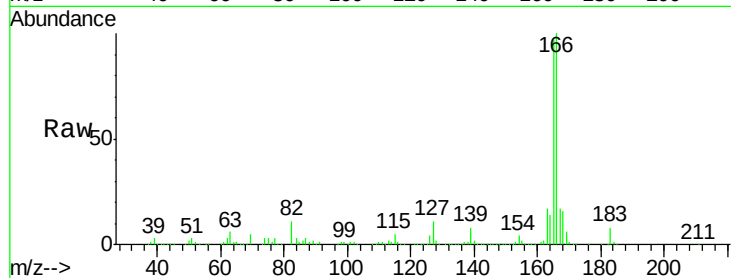
#57
 Fluorene
 Concen: 14.548 ng
 RT: 10.30 min Scan# 1396
 Delta R.T. -0.01 min
 Lab File: BF102343.D
 Acq: 23 Jan 2018 14:06

Instrument :
 BNA_F
 ClientSampleId :
 WC-43-01

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	276292		
165	96.9	79.8	119.8	
167	16.7	10.6	16.0	

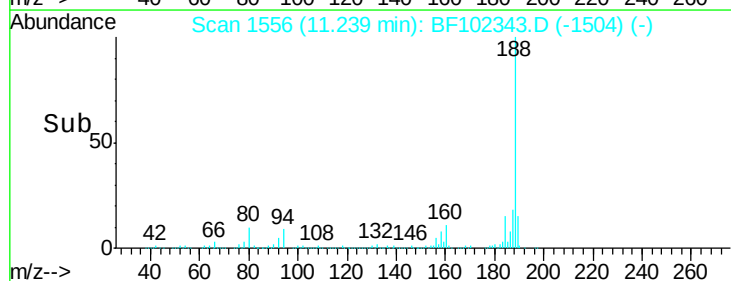
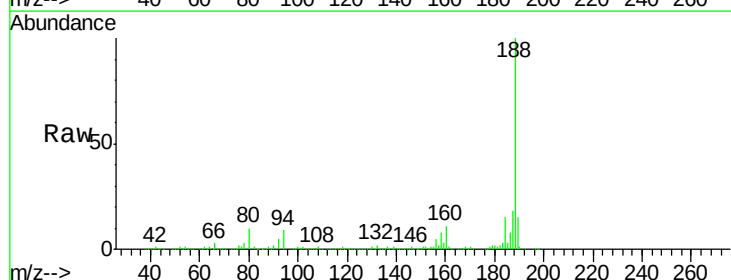
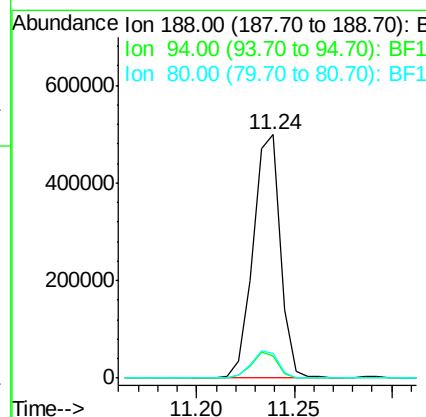
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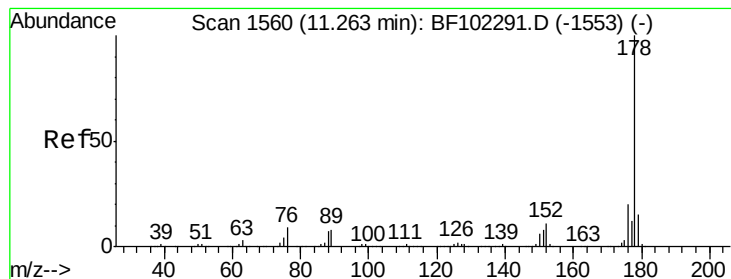
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#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.24 min Scan# 1556
 Delta R.T. 0.01 min
 Lab File: BF102343.D
 Acq: 23 Jan 2018 14:06

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	485722		
94	9.3	8.5	12.7	
80	9.9	9.2	13.8	





#70

Phenanthrene

Concen: 11.544 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF102343.D

Acq: 23 Jan 2018 14:06

Instrument :

BNA_F

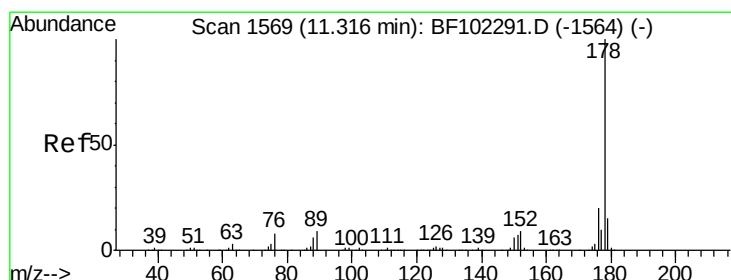
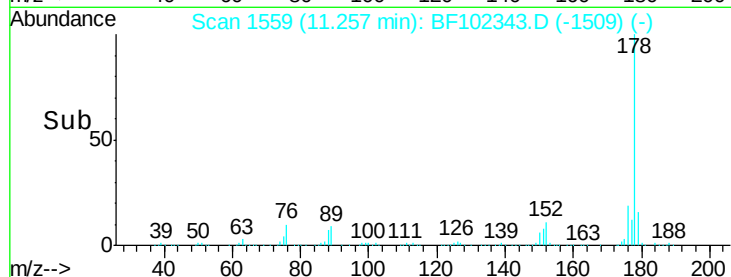
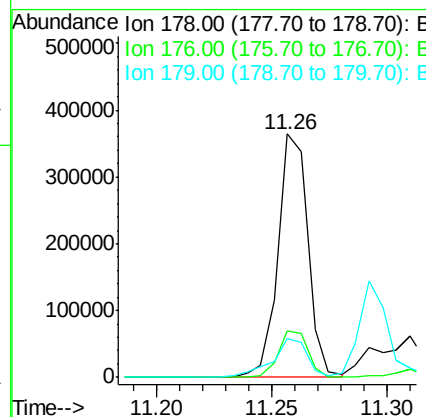
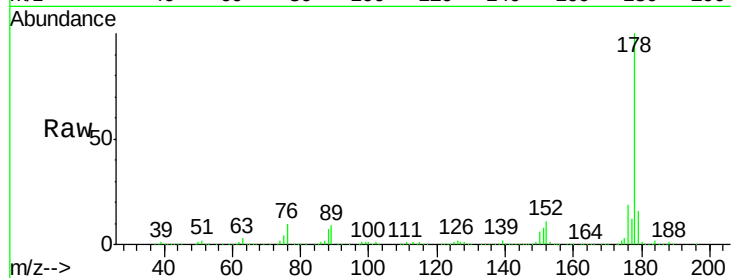
ClientSampleId :

WC-43-01

Tgt Ion:	178	Resp:	326747
Ion Ratio	Lower	Upper	
178	100		
176	19.2	15.8	23.8
179	16.0	13.0	19.6

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#71

Anthracene

Concen: 2.902 ng m

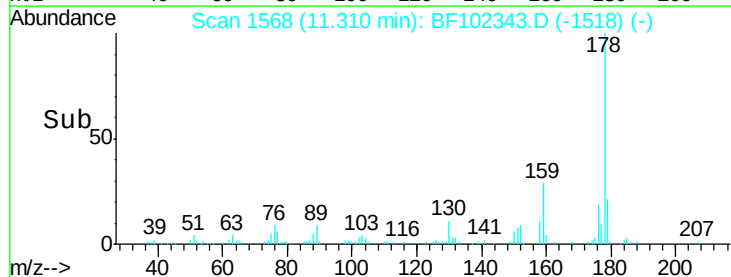
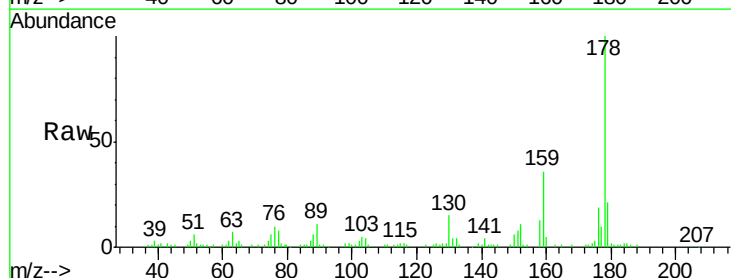
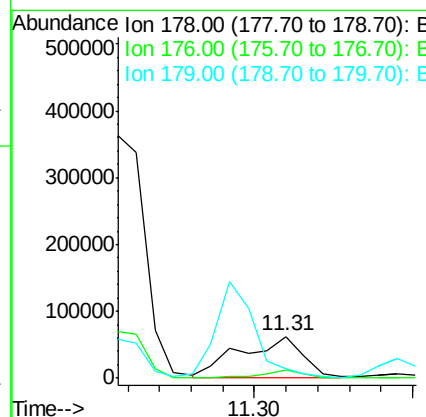
RT: 11.31 min Scan# 1568

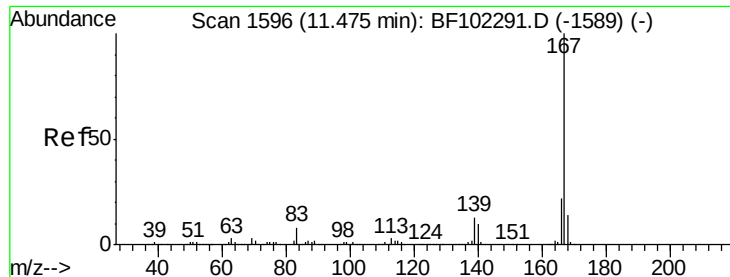
Delta R.T. -0.01 min

Lab File: BF102343.D

Acq: 23 Jan 2018 14:06

Tgt Ion:	178	Resp:	83835
Ion Ratio	Lower	Upper	
178	100		
176	18.7	15.4	23.2
179	21.1	12.6	19.0#





#72

Carbazole

Concen: 39.992 ng

RT: 11.48 min Scan# 1597

Delta R.T. 0.01 min

Lab File: BF102343.D

Acq: 23 Jan 2018 14:06

Instrument :

BNA_F

ClientSampleId :

WC-43-01

Tgt Ion:167 Resp: 1127146

Ion Ratio Lower Upper

167 100

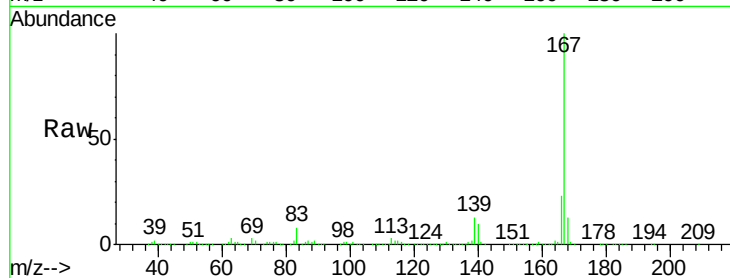
166 22.6 17.6 26.4

139 13.3 10.9 16.3

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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

11.48

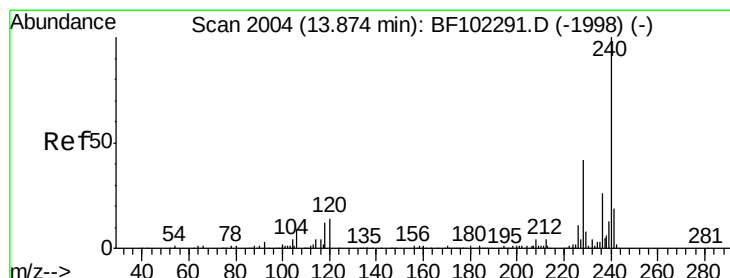
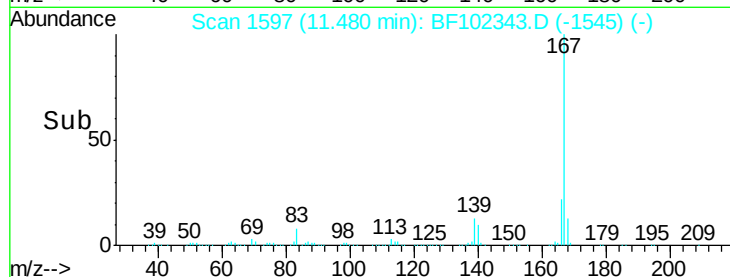
1000000

500000

0

Time-->

11.40 11.45 11.50



#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BF102343.D

Acq: 23 Jan 2018 14:06

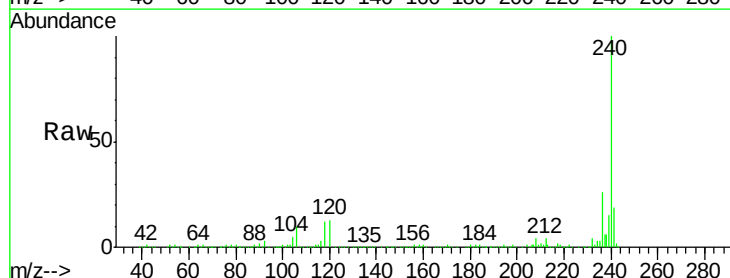
Tgt Ion:240 Resp: 393062

Ion Ratio Lower Upper

240 100

120 13.0 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

13.87

600000

500000

400000

300000

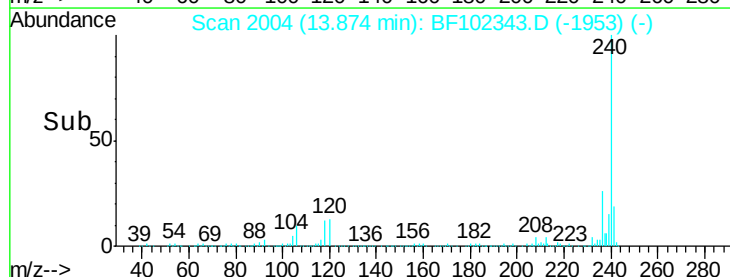
200000

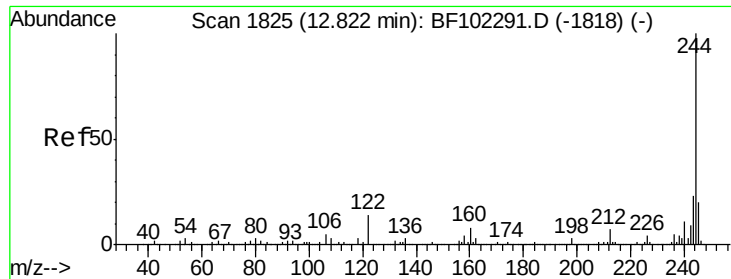
100000

0

Time-->

13.80 13.90 14.00





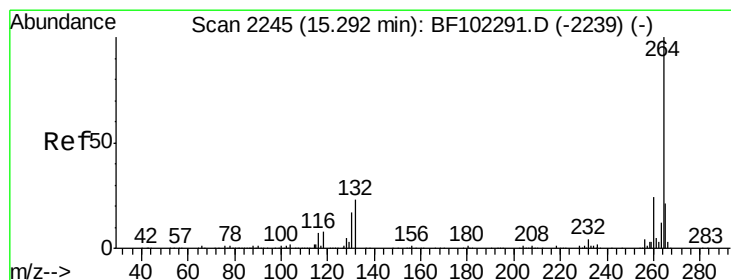
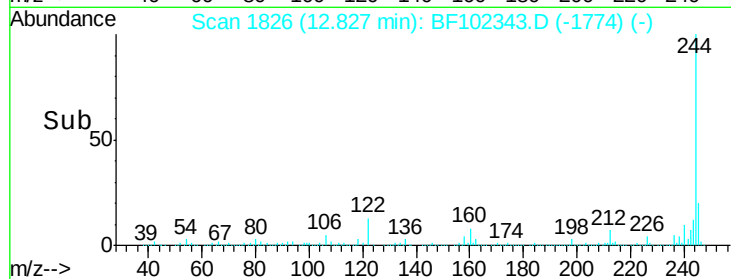
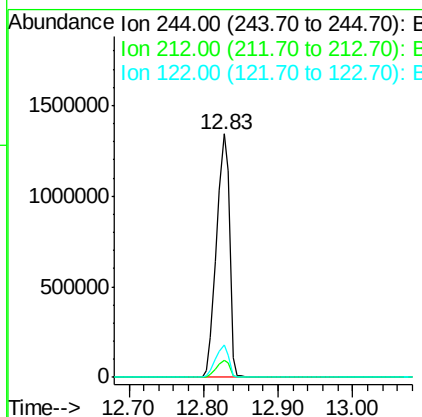
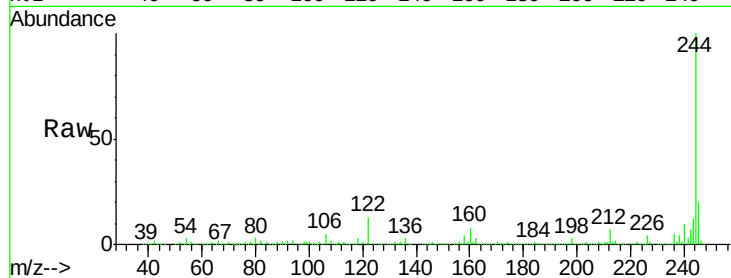
#78
 Terphenyl-d14
 Concen: 92.741 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. 0.01 min
 Lab File: BF102343.D
 Acq: 23 Jan 2018 14:06

Instrument :
 BNA_F
 ClientSampled :
 WC-43-01

Tgt Ion:244 Resp: 1616999
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 13.2 11.0 16.4

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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.30 min Scan# 2246
 Delta R.T. 0.01 min
 Lab File: BF102343.D
 Acq: 23 Jan 2018 14:06

Tgt Ion:264 Resp: 295133
 Ion Ratio Lower Upper
 264 100
 260 23.2 19.2 28.8
 265 20.8 17.5 26.3

