

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122217\
 Data File : BF101701.D
 Acq On : 23 Dec 2017 13:59
 Operator : SJ/JU
 Sample : I6848-03
 Misc :
 ALS Vial : 51 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-9871-01

Manual Integrations
 APPROVED

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 12/26/2017 1:38:13 PM

Quant Time: Dec 25 03:13:34 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	146639	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	579255	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	257658	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	426751	20.00	ng	0.00
75) Chrysene-d12	13.96	240	291671	20.00	ng	0.00
86) Perylene-d12	15.43	264	273320	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	1296622	131.71	ng	0.12
7) Phenol-d6	6.48	99	1154261	94.21	ng	0.05
23) Nitrobenzene-d5	7.37	82	986340	94.79	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	323204	130.18	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1522865	91.68	ng	0.00
78) Terphenyl-d14	12.90	244	1308910	108.19	ng	0.00
Target Compounds						
3) Pyridine	3.49	79	7920665	563.584	ng	98
10) Phenol	6.52	94	4476079	320.544	ng	96
17) 2-Methylphenol	7.06	107	876486	92.013	ng	96
20) 3+4-Methylphenols	7.23	107	2713278	268.797	ng	89
27) 2,4-Dimethylphenol	7.74	122	635374	75.589	ng	99
31) Naphthalene	8.09	128	975140	33.439	ng	100
37) 2-Methylnaphthalene	8.78	142	72697	3.826	ng	98
48) Acenaphthylene	9.69	152	78619	2.847	ng	98
54) Dibenzofuran	10.03	168	53602	2.542	ng	98
57) Fluorene	10.37	166	83521	4.683	ng	100
70) Phenanthrene	11.34	178	461337	19.439	ng	98
71) Anthracene	11.39	178	86057m	3.550	ng	
72) Carbazole	11.56	167	1085675	47.834	ng	100
74) Fluoranthene	12.53	202	90327	3.626	ng	97
77) Pyrene	12.76	202	53624	2.450	ng	98

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

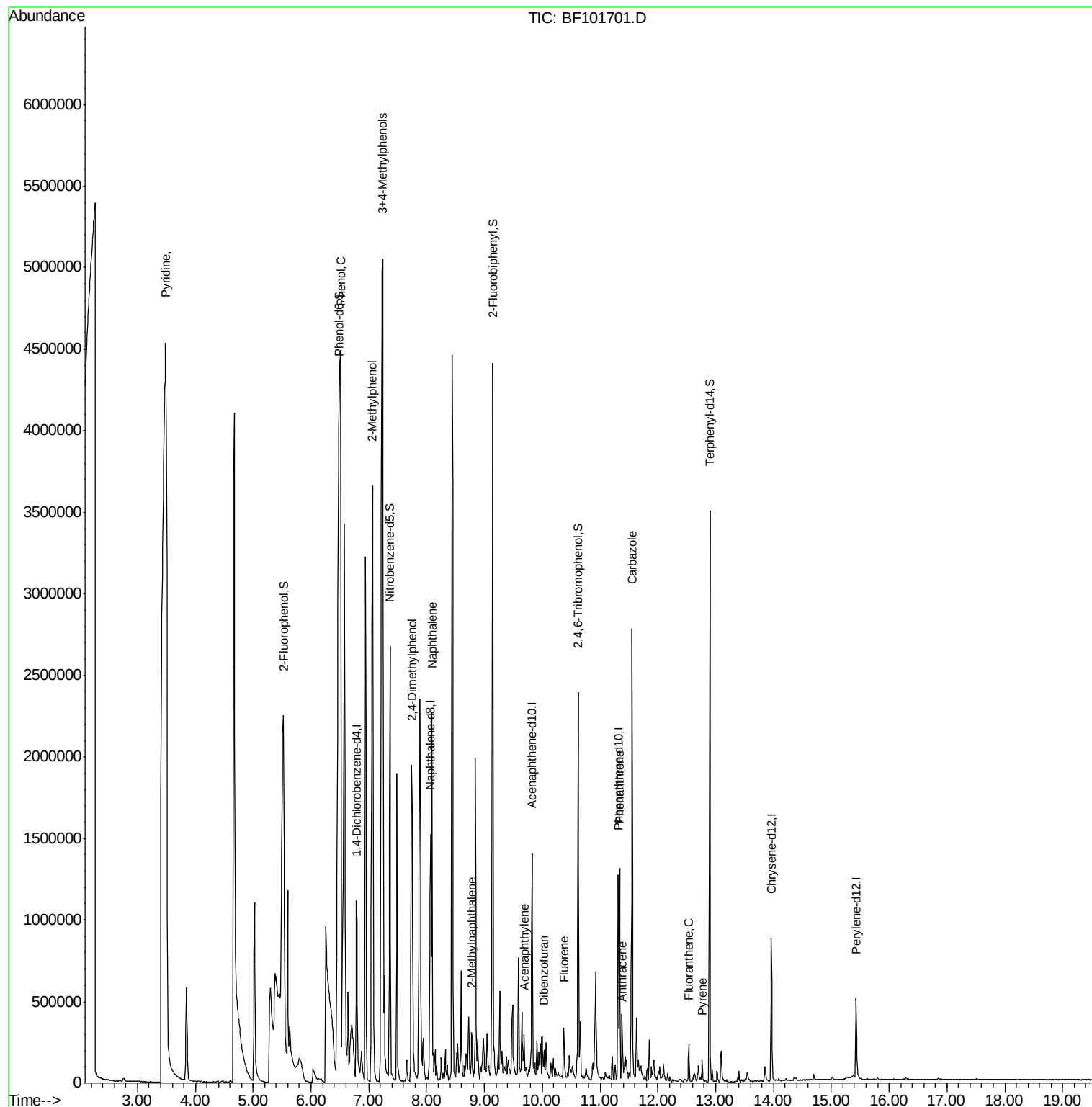
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122217\
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ALS Vial : 51 Sample Multiplier: 1

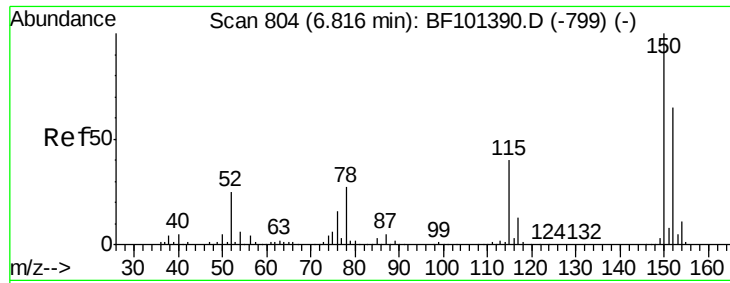
Instrument :
BNA_F
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WC-9871-01

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
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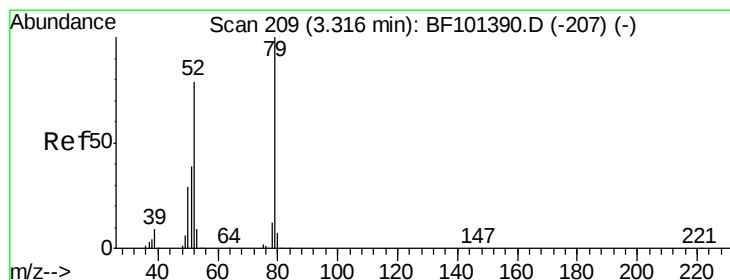
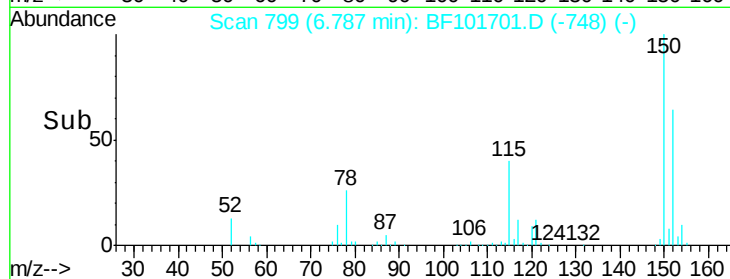
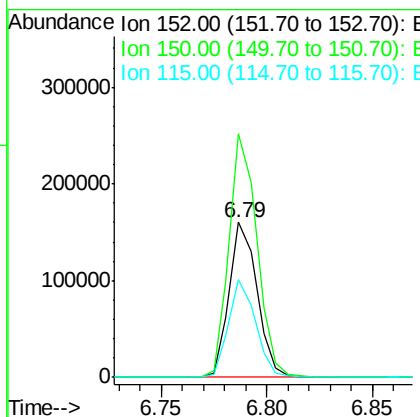
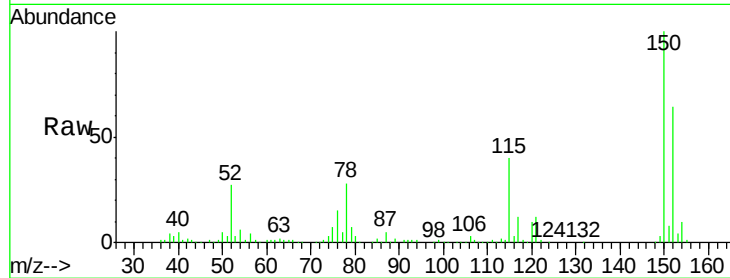
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.00 min
Lab File: BF101701.D
Acq: 23 Dec 2017 13:59

Instrument :
BNA_F
ClientSampleId :
WC-9871-01

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.9	124.6	186.8
115	62.7	50.1	75.1

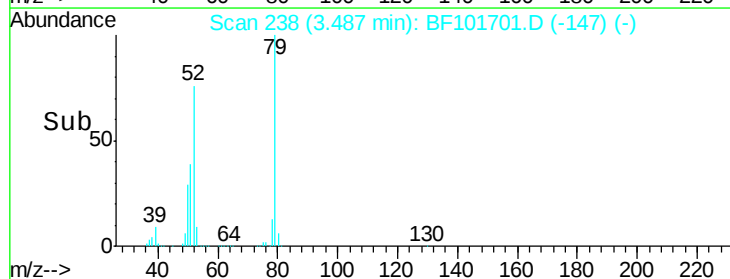
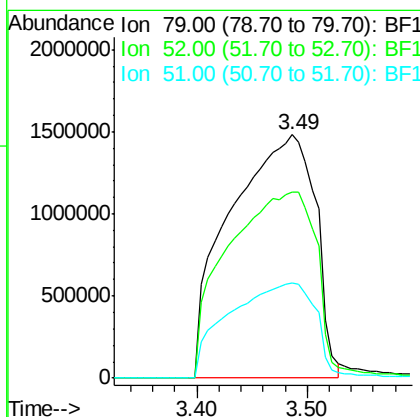
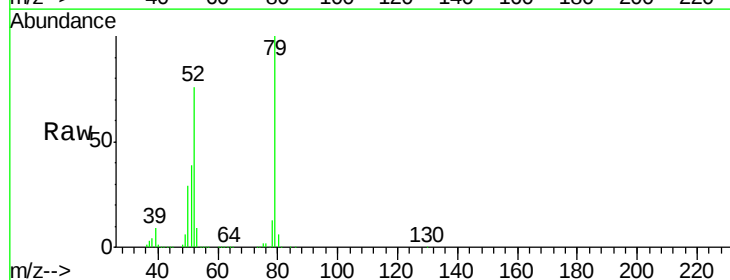
Manual Integrations
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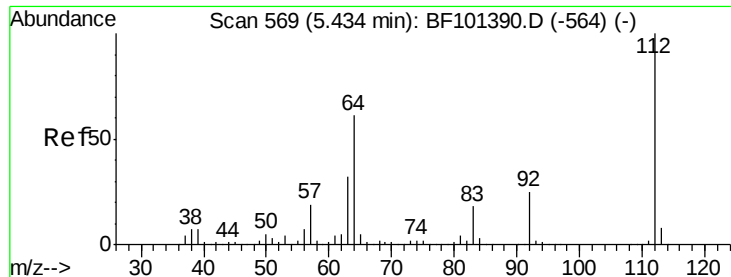
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#3
Pyridine
Concen: 563.584 ng
RT: 3.49 min Scan# 238
Delta R.T. 0.24 min
Lab File: BF101701.D
Acq: 23 Dec 2017 13:59

Tgt Ion	Ratio	Lower	Upper
79	100		
52	76.5	59.8	89.6
51	39.0	29.8	44.8





#5

2-Fluorophenol

Concen: 131.713 ng

RT: 5.53 min Scan# 585

Delta R.T. 0.12 min

Lab File: BF101701.D

Acq: 23 Dec 2017 13:59

Instrument :

BNA_F

ClientSampleId :

WC-9871-01

Tgt Ion: 112 Resp: 1296622

Ion Ratio Lower Upper

112 100

64 62.3 47.9 71.9

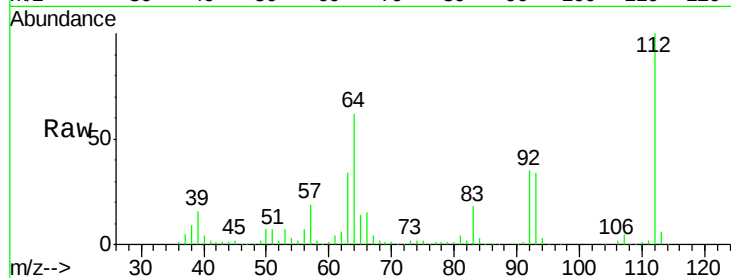
63 33.6 23.7 35.5

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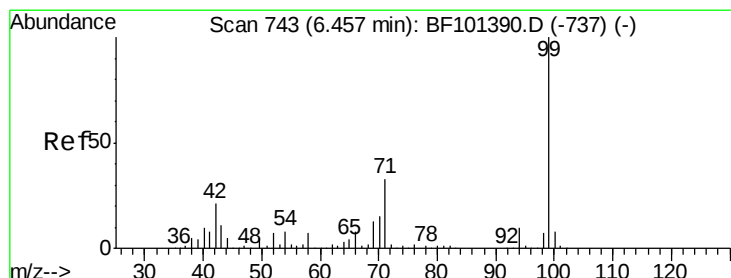
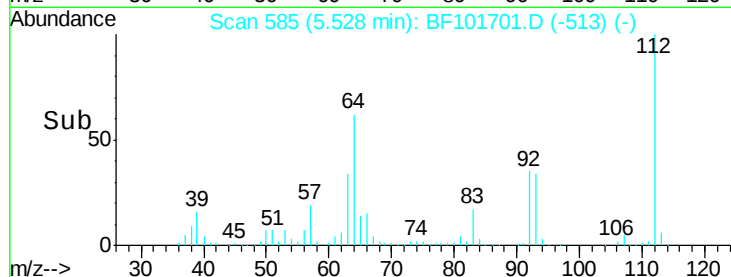
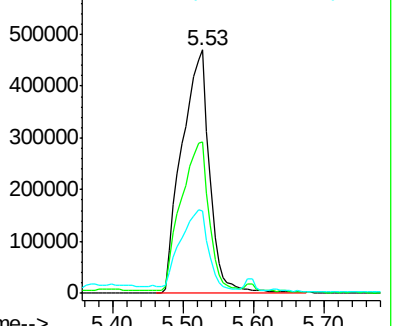
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Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#7

Phenol-d6

Concen: 94.213 ng

RT: 6.48 min Scan# 747

Delta R.T. 0.05 min

Lab File: BF101701.D

Acq: 23 Dec 2017 13:59

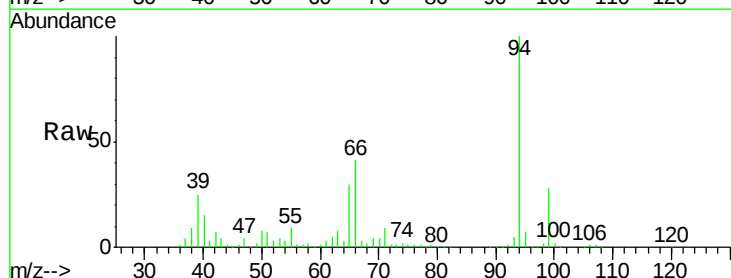
Tgt Ion: 99 Resp: 1154261

Ion Ratio Lower Upper

99 100

42 24.6 14.5 21.7#

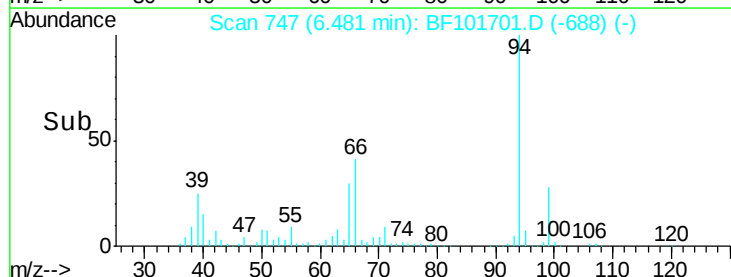
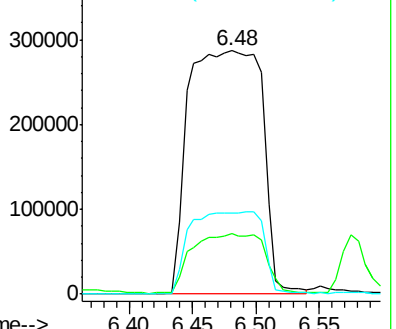
71 33.3 25.4 38.0

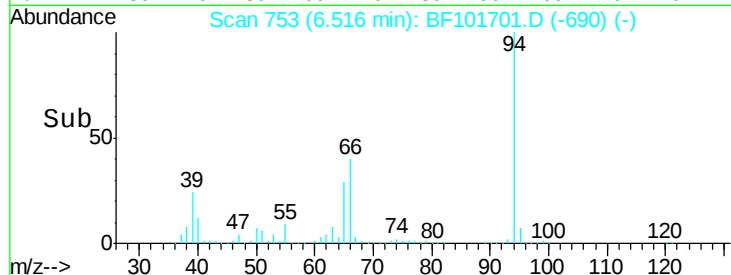
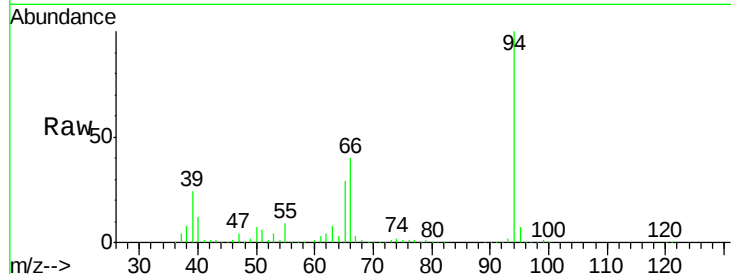
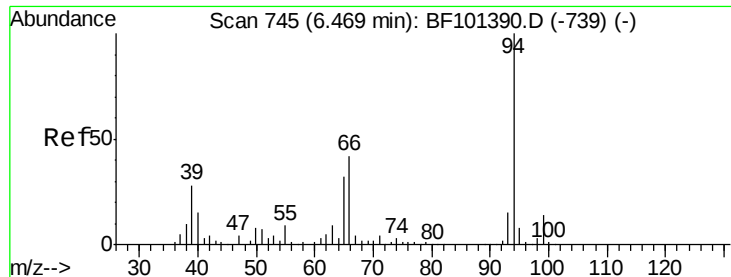


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#10

Phenol

Concen: 320.544 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.07 min

Lab File: BF101701.D

Acq: 23 Dec 2017 13:59

Tgt Ion: 94 Resp: 4476079

Ion Ratio Lower Upper

94 100

65 29.1 7.9 47.9

66 39.5 16.2 56.2

Instrument :

BNA_F

ClientSampleId :

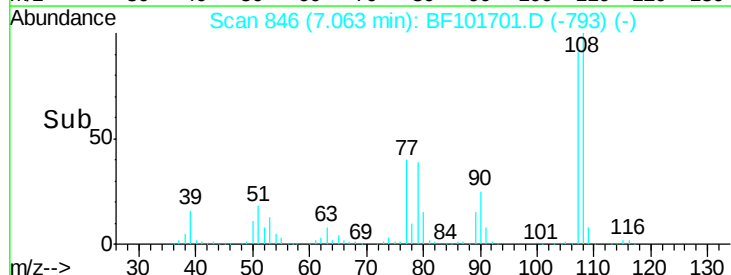
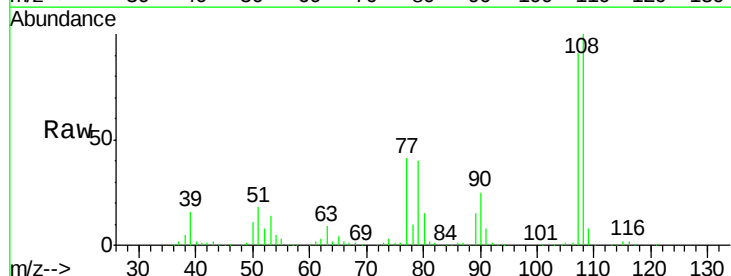
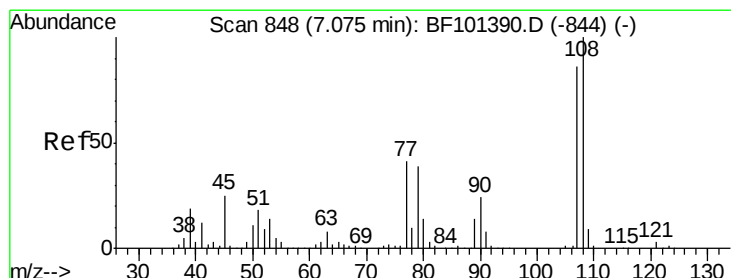
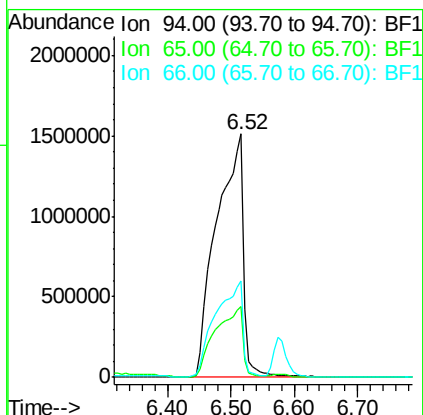
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#17

2-Methylphenol

Concen: 92.013 ng

RT: 7.06 min Scan# 846

Delta R.T. 0.01 min

Lab File: BF101701.D

Acq: 23 Dec 2017 13:59

Tgt Ion: 107 Resp: 876486

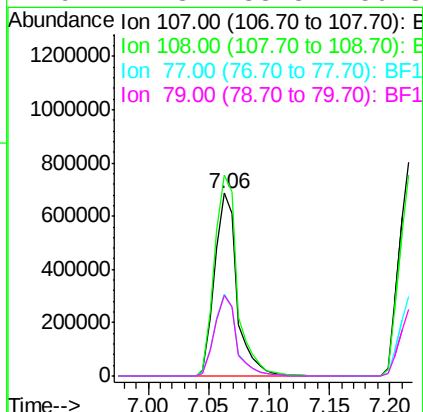
Ion Ratio Lower Upper

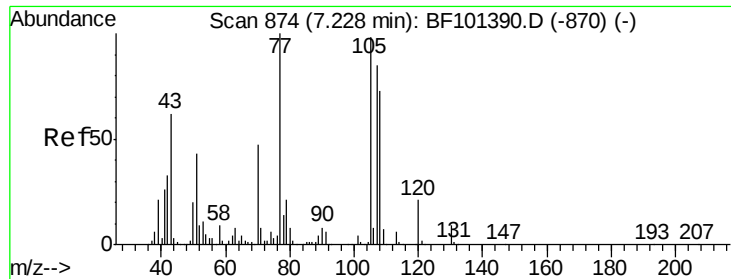
107 100

108 110.3 91.7 137.5

77 44.8 33.8 50.8

79 44.3 33.8 50.8





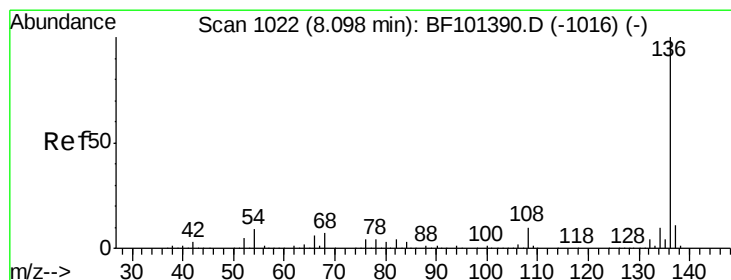
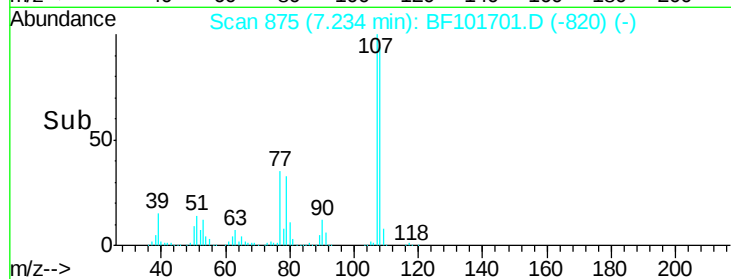
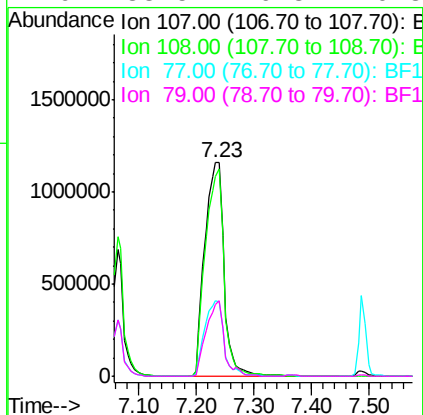
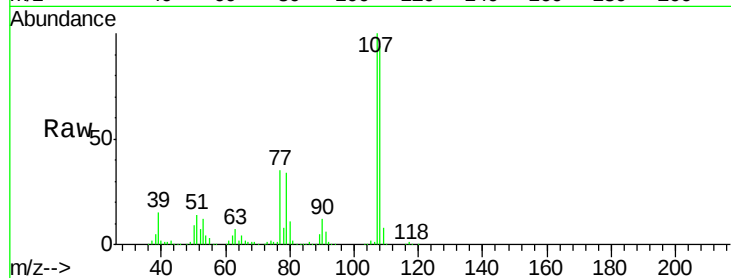
#20
3+4-Methylphenols
Concen: 268.797 ng
RT: 7.23 min Scan# 875
Delta R.T. 0.02 min
Lab File: BF101701.D
Acq: 23 Dec 2017 13:59

Instrument :
BNA_F
ClientSampleId :
WC-9871-01

Tgt Ion:107 Resp: 2713278
Ion Ratio Lower Upper
107 100
108 93.7 68.2 108.2
77 35.3 26.7 66.7
79 33.5 6.3 46.3

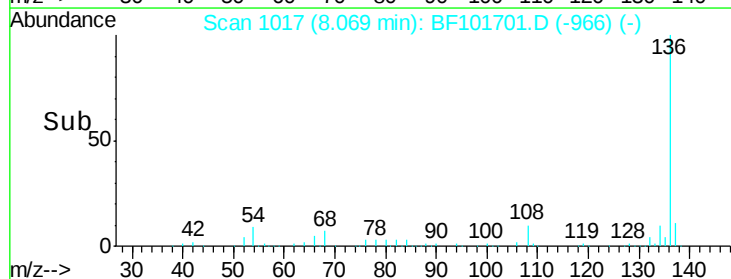
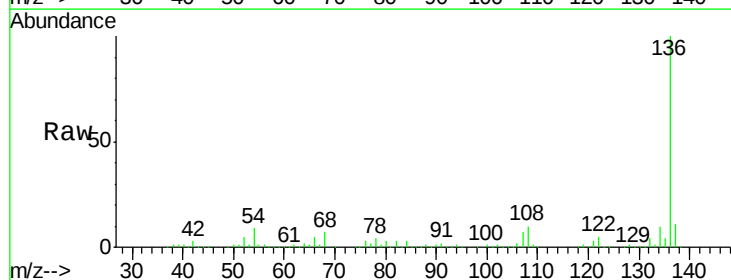
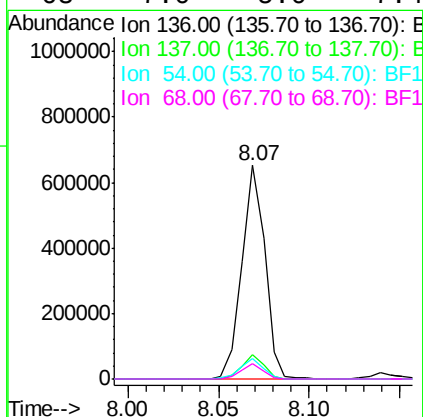
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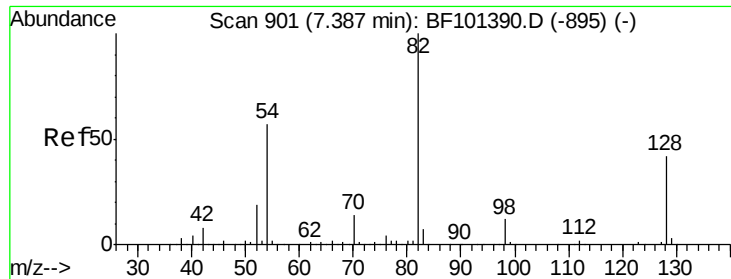
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. 0.00 min
Lab File: BF101701.D
Acq: 23 Dec 2017 13:59

Tgt Ion:136 Resp: 579255
Ion Ratio Lower Upper
136 100
137 11.2 8.9 13.3
54 9.3 6.6 9.8
68 7.0 5.0 7.4





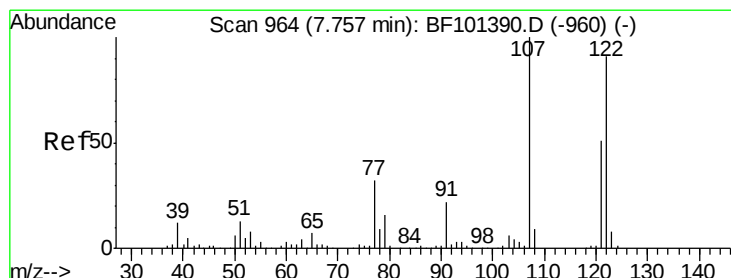
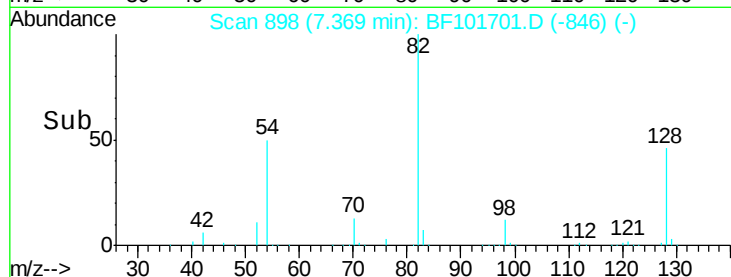
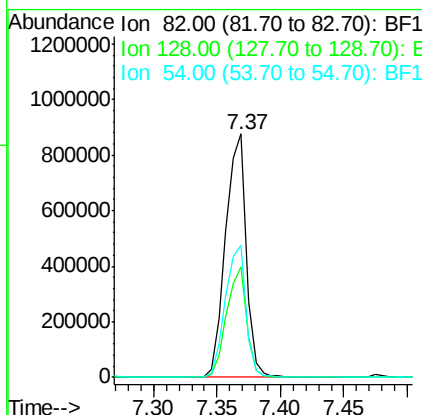
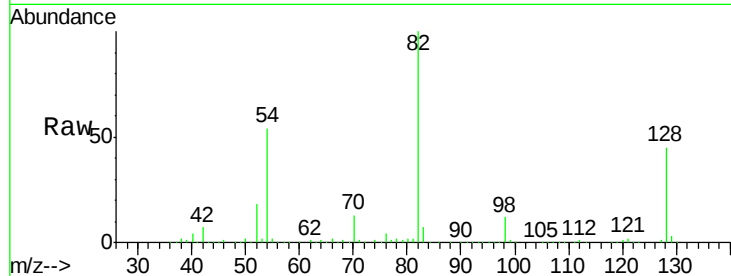
#23
 Nitrobenzene-d5
 Concen: 94.786 ng
 RT: 7.37 min Scan# 898
 Delta R.T. 0.01 min
 Lab File: BF101701.D
 Acq: 23 Dec 2017 13:59

Instrument :
 BNA_F
 ClientSampleID :
 WC-9871-01

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	986340		
128	45.3	36.1	54.1	
54	54.3	41.4	62.2	

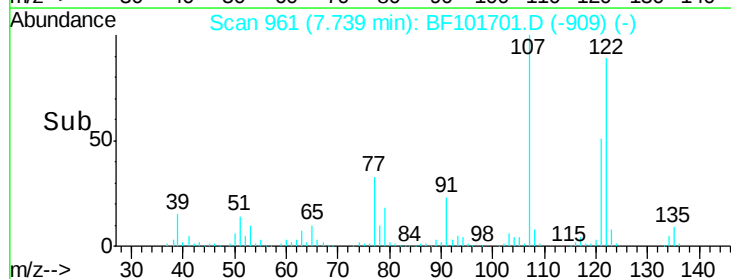
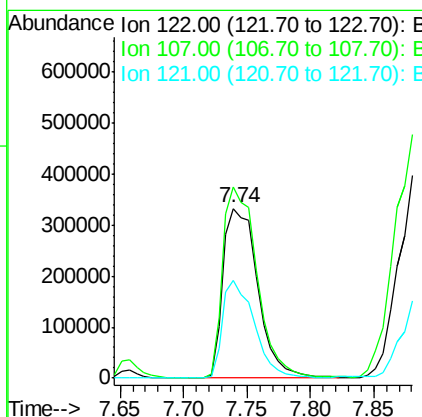
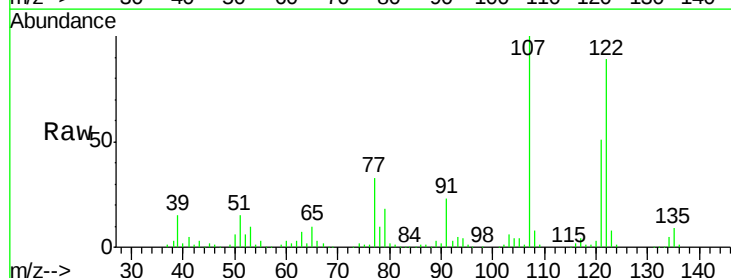
Manual Integrations
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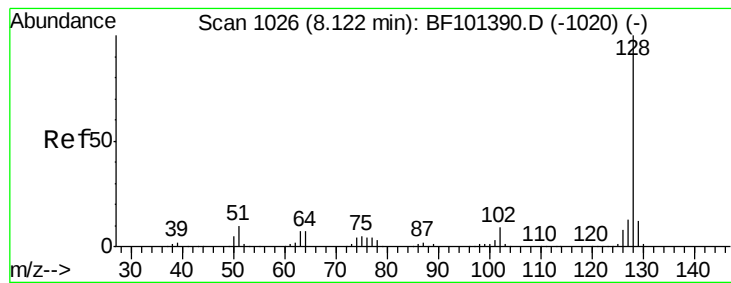
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#27
 2,4-Dimethylphenol
 Concen: 75.589 ng
 RT: 7.74 min Scan# 961
 Delta R.T. 0.01 min
 Lab File: BF101701.D
 Acq: 23 Dec 2017 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
122	100	635374		
107	112.6	91.2	136.8	
121	57.8	47.2	70.8	





#31

Naphthalene

Concen: 33.439 ng

RT: 8.09 min Scan# 1021

Delta R.T. 0.00 min

Lab File: BF101701.D

Acq: 23 Dec 2017 13:59

Instrument :

BNA_F

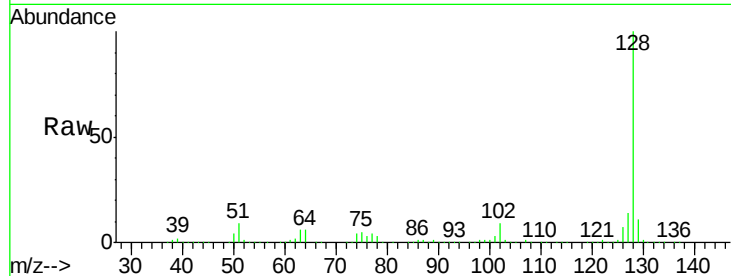
ClientSampleId :

WC-9871-01

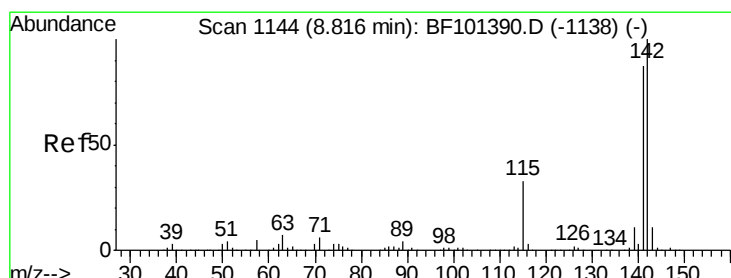
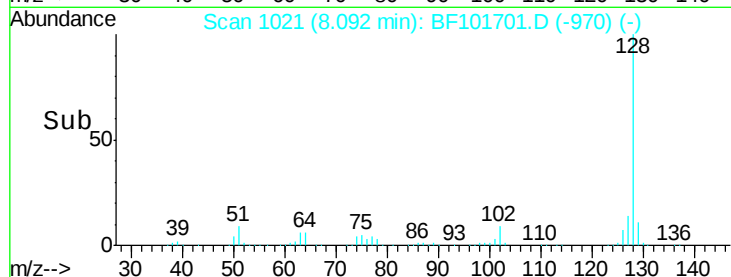
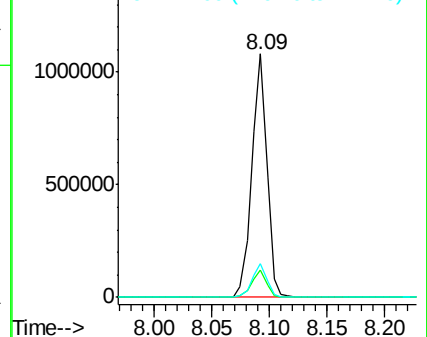
Tgt Ion:	128	Resp:	975140
Ion Ratio		Lower	Upper
128	100		
129	11.2	8.8	13.2
127	13.6	10.9	16.3

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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: 3.826 ng

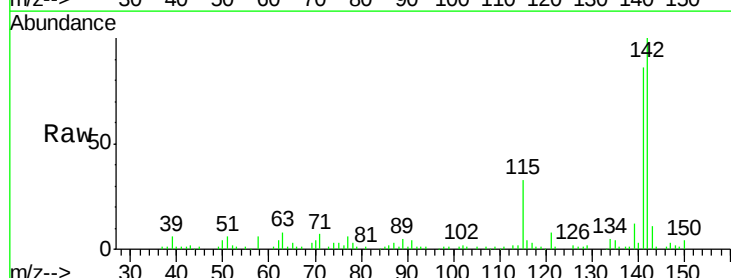
RT: 8.78 min Scan# 1138

Delta R.T. -0.01 min

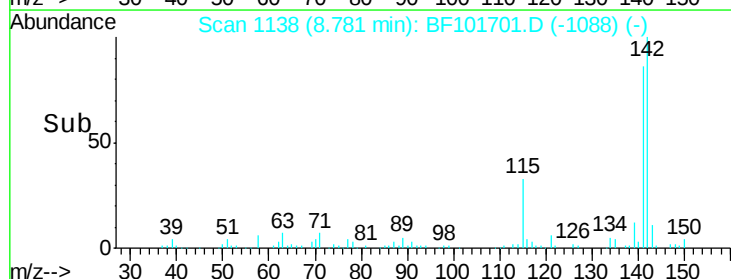
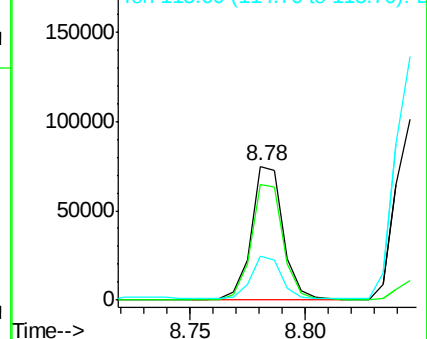
Lab File: BF101701.D

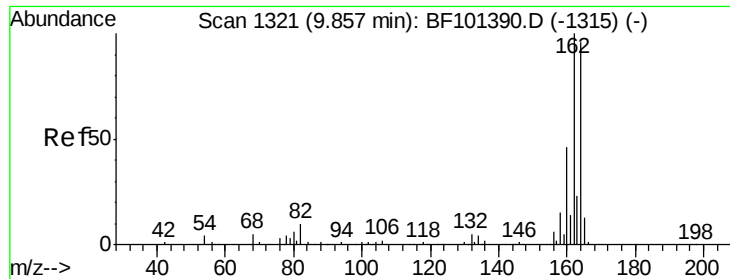
Acq: 23 Dec 2017 13:59

Tgt Ion:	142	Resp:	72697
Ion Ratio		Lower	Upper
142	100		
141	86.1	70.8	106.2
115	33.3	26.1	39.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





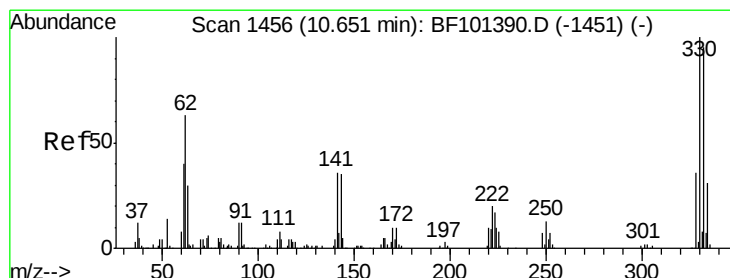
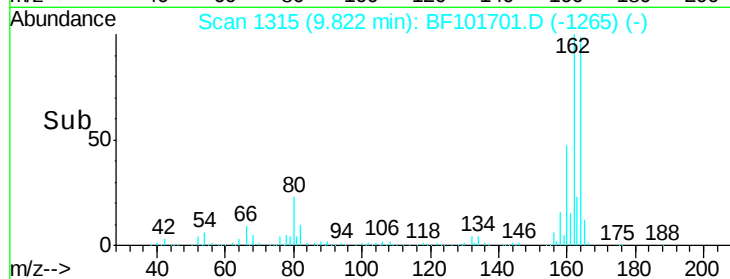
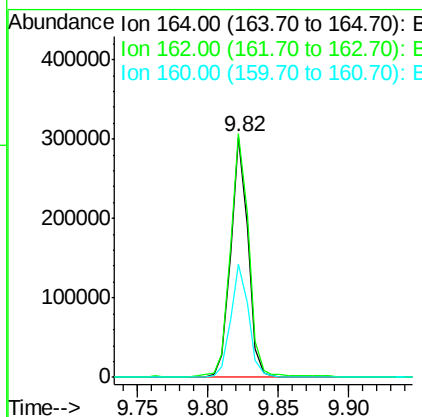
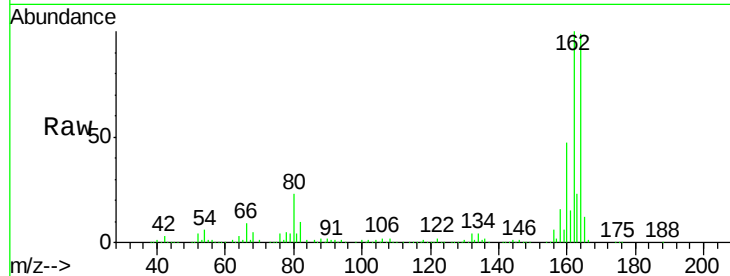
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF101701.D
Acq: 23 Dec 2017 13:59

Instrument :
BNA_F
ClientSampleId :
WC-9871-01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	257658		
162	101.3	86.1	129.1	
160	47.3	38.3	57.5	

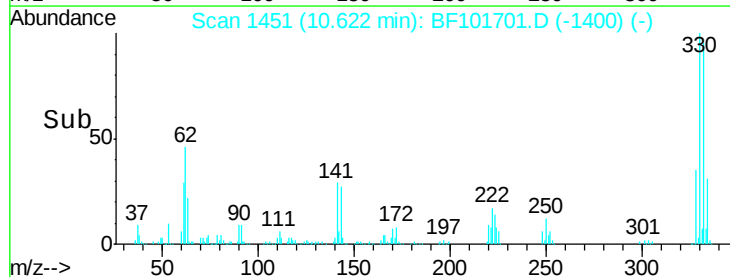
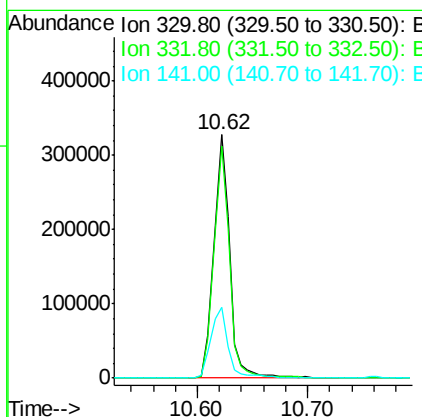
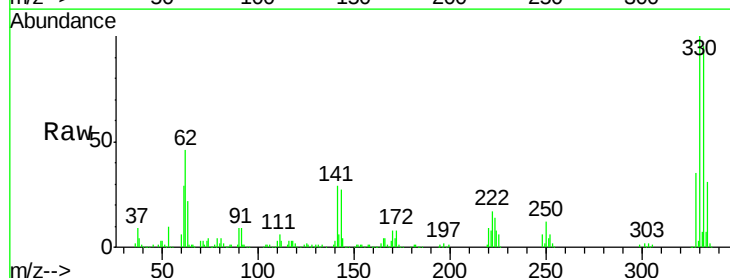
Manual Integrations
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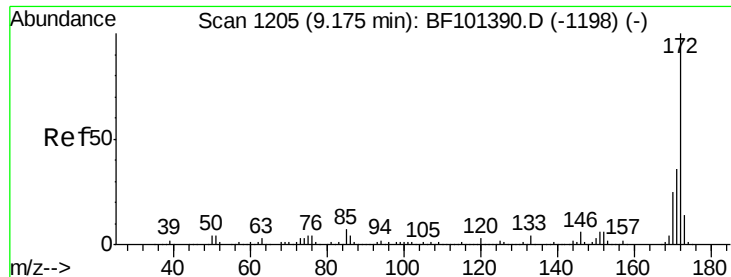
Sohil
12/26/2017 1:38:13 PM



#41
2,4,6-Tribromophenol
Concen: 130.181 ng
RT: 10.62 min Scan# 1451
Delta R.T. 0.00 min
Lab File: BF101701.D
Acq: 23 Dec 2017 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	323204		
332	95.3	77.0	115.6	
141	31.3	29.9	44.9	





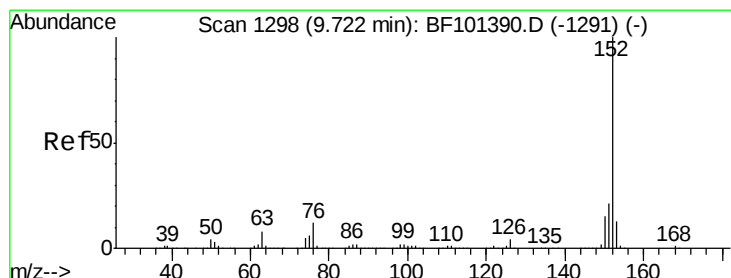
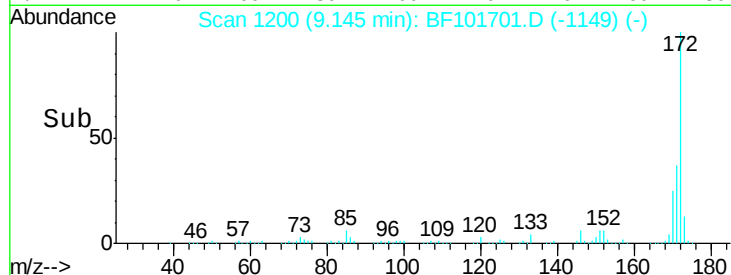
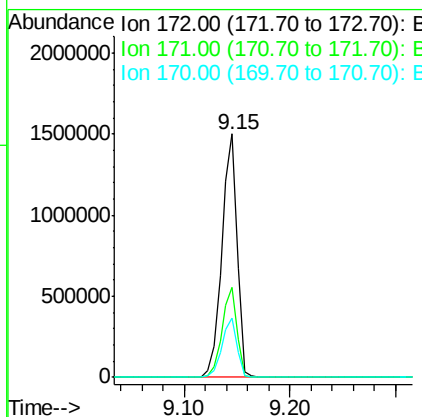
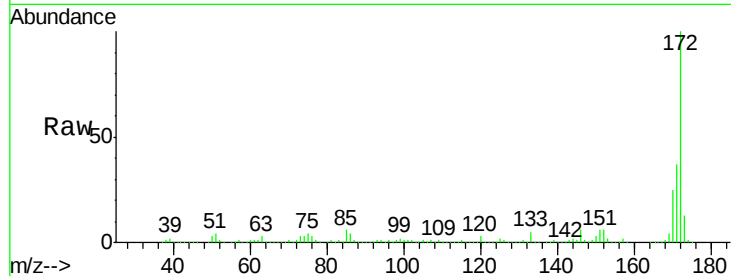
#44
2-Fluorobiphenyl
Concen: 91.685 ng
RT: 9.15 min Scan# 1200
Delta R.T. 0.00 min
Lab File: BF101701.D
Acq: 23 Dec 2017 13:59

Instrument :
BNA_F
ClientSampleId :
WC-9871-01

Tgt Ion:172 Resp: 1522865
Ion Ratio Lower Upper
172 100
171 36.9 29.7 44.5
170 24.6 19.6 29.4

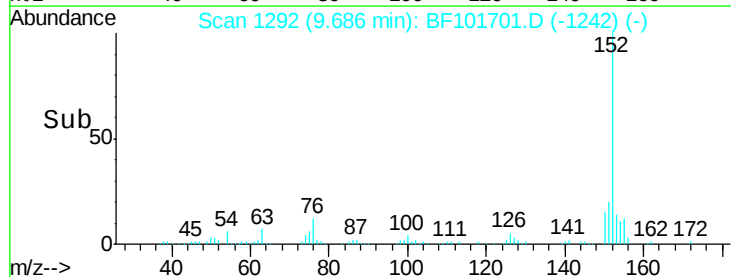
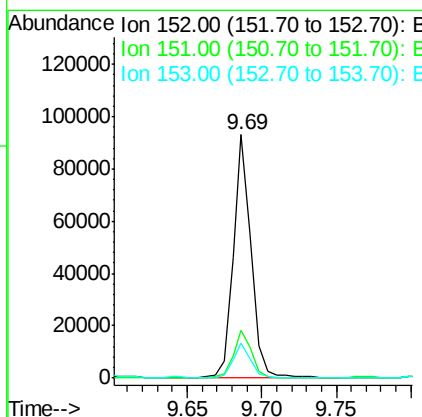
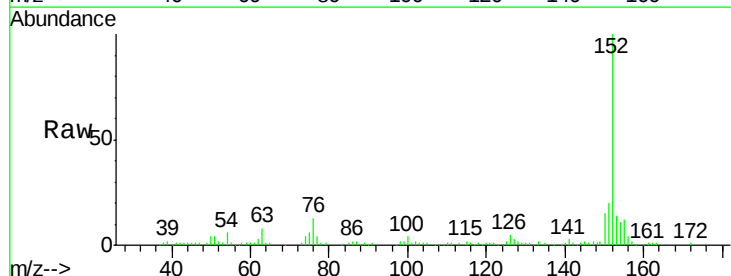
Manual Integrations
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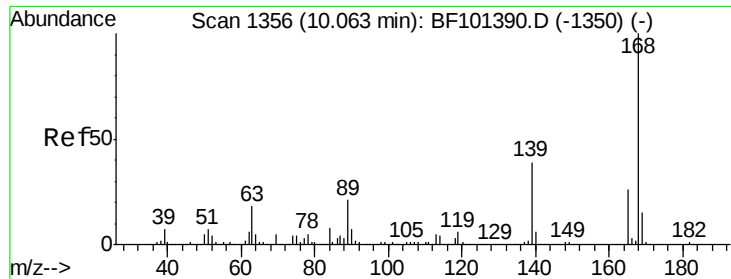
Sohil
12/26/2017 1:38:13 PM



#48
Acenaphthylene
Concen: 2.847 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.01 min
Lab File: BF101701.D
Acq: 23 Dec 2017 13:59

Tgt Ion:152 Resp: 78619
Ion Ratio Lower Upper
152 100
151 19.6 16.3 24.5
153 14.2 10.7 16.1





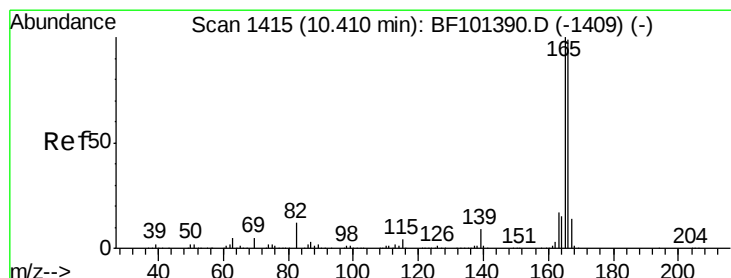
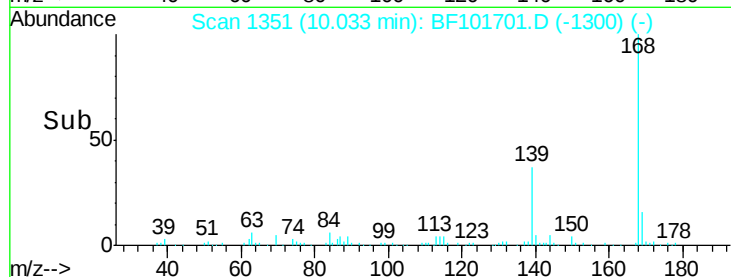
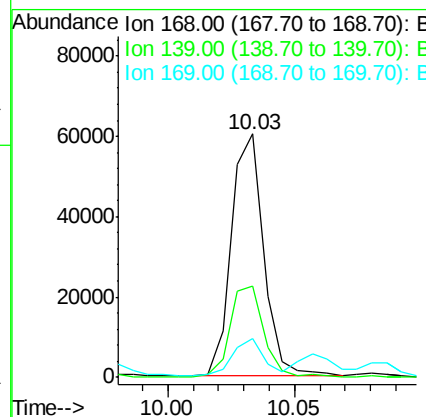
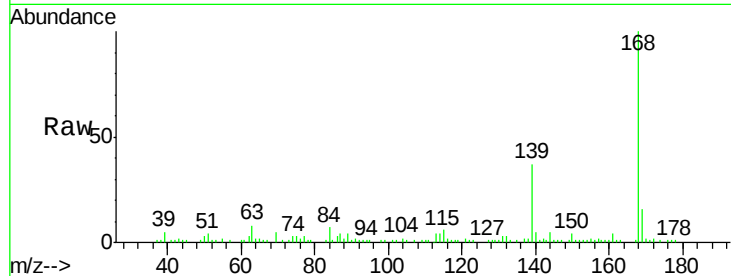
#54
Dibenzenofuran
Concen: 2.542 ng
RT: 10.03 min Scan# 1351
Delta R.T. 0.00 min
Lab File: BF101701.D
Acq: 23 Dec 2017 13:59

Instrument :
BNA_F
ClientSampleId :
WC-9871-01

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	53602		
139	37.4		30.1	45.1
169	15.8		10.9	16.3

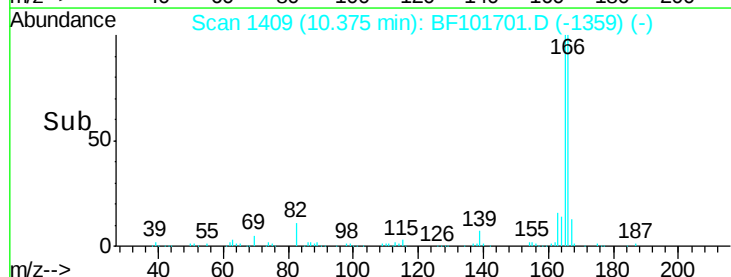
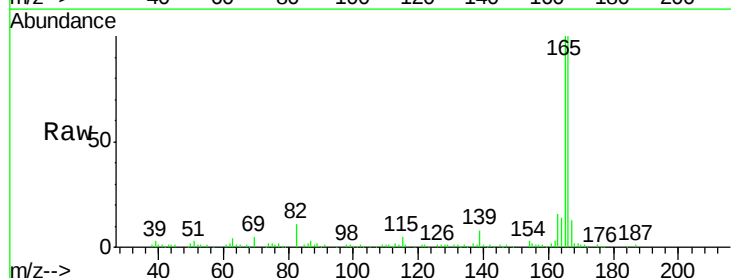
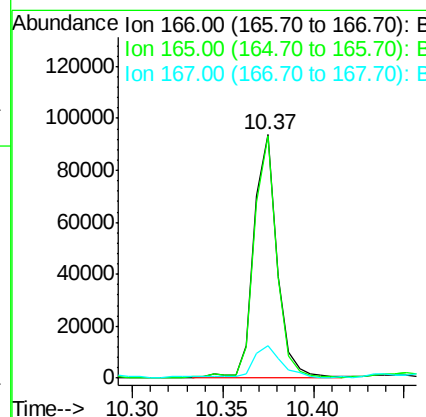
Manual Integrations
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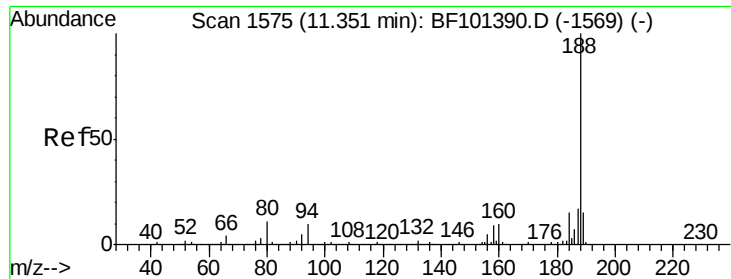
Sohil
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#57
Fluorene
Concen: 4.683 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.01 min
Lab File: BF101701.D
Acq: 23 Dec 2017 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	83521		
165	99.8		79.8	119.8
167	13.2		10.6	16.0





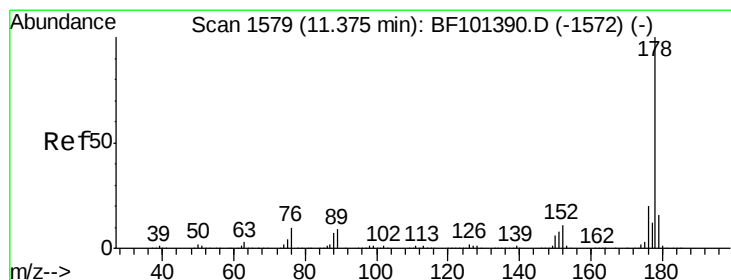
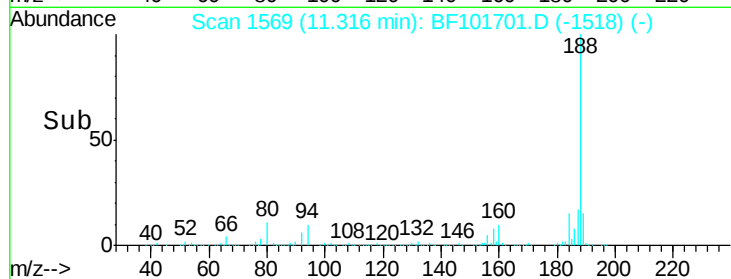
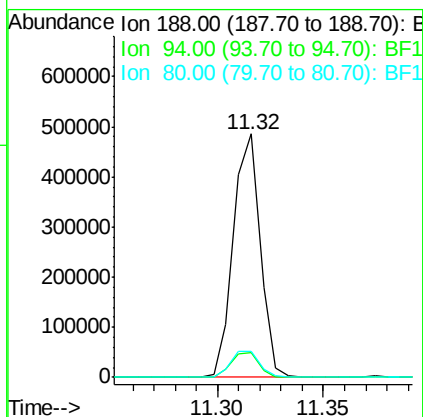
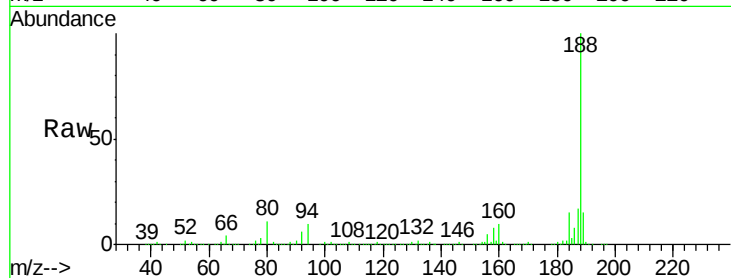
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. 0.00 min
Lab File: BF101701.D
Acq: 23 Dec 2017 13:59

Instrument :
BNA_F
ClientSampleId :
WC-9871-01

Tgt Ion	Ratio	Resp	Lower	Upper
188	100	426751		
94	10.3		8.5	12.7
80	10.9		9.2	13.8

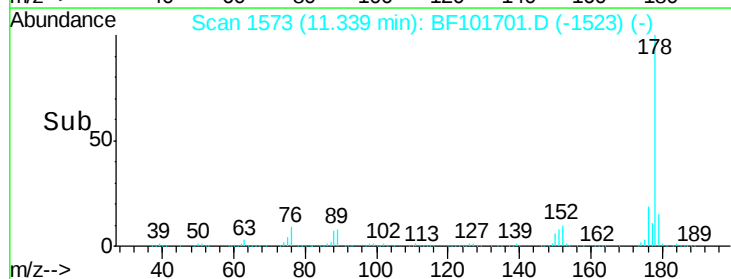
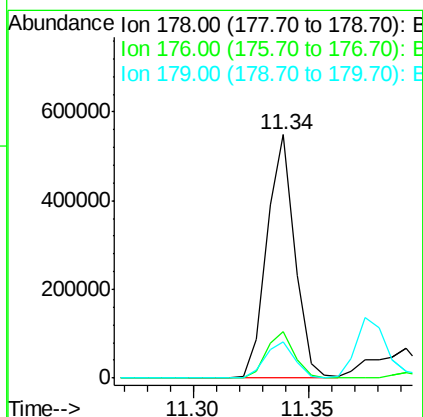
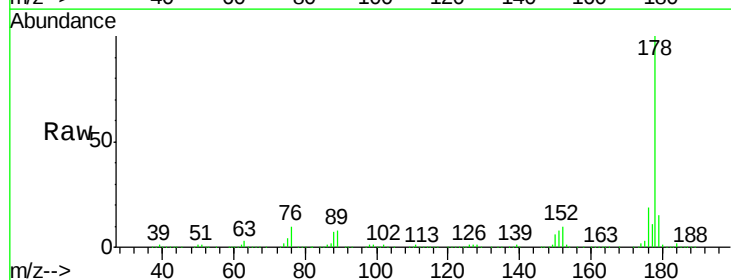
Manual Integrations
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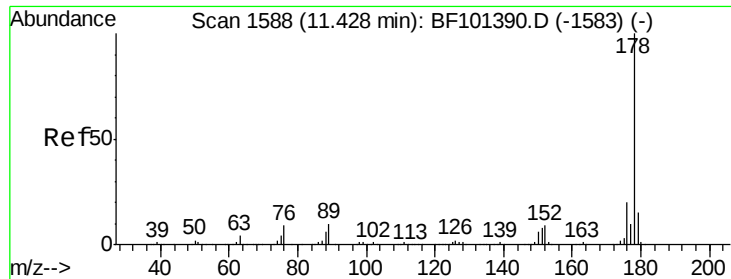
Sohil
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#70
Phenanthrene
Concen: 19.439 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF101701.D
Acq: 23 Dec 2017 13:59

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	461337		
176	19.0		15.8	23.8
179	15.1		13.0	19.6





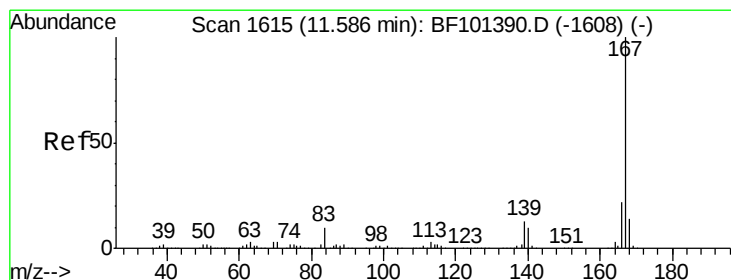
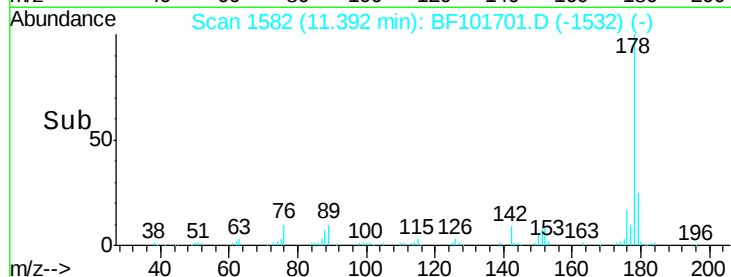
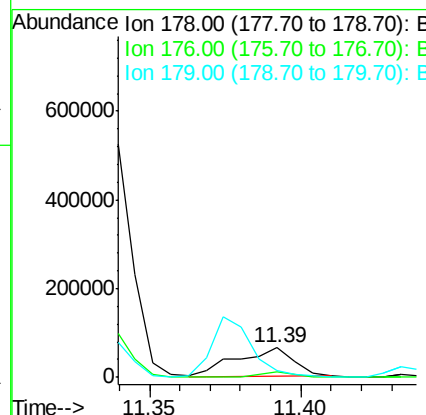
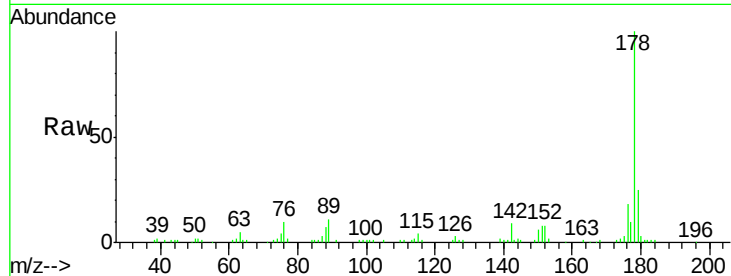
#71
 Anthracene
 Concen: 3.550 ng m
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: BF101701.D
 Acq: 23 Dec 2017 13:59

Instrument :
 BNA_F
 ClientSampleId :
 WC-9871-01

Tgt Ion	Ratio	Lower	Upper
178	100		
176	17.6	15.4	23.2
179	25.2	12.6	19.0

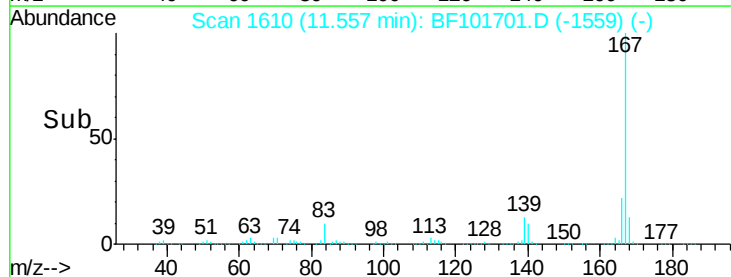
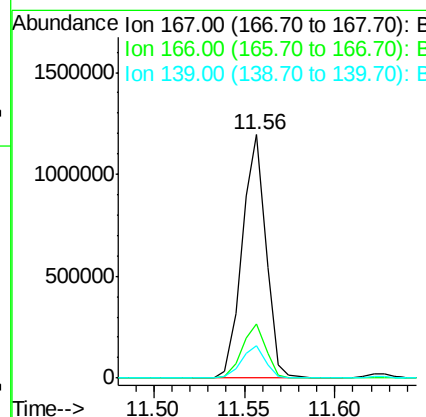
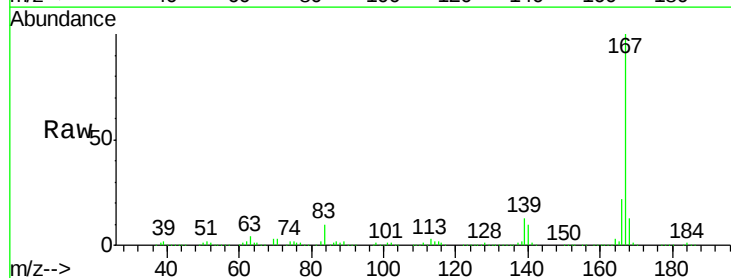
Manual Integrations
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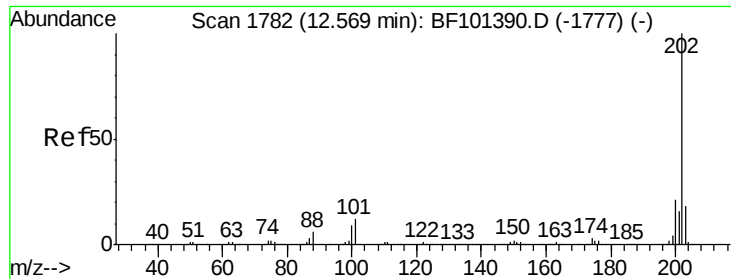
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#72
 Carbazole
 Concen: 47.834 ng
 RT: 11.56 min Scan# 1610
 Delta R.T. 0.00 min
 Lab File: BF101701.D
 Acq: 23 Dec 2017 13:59

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.6	26.4
139	13.3	10.9	16.3





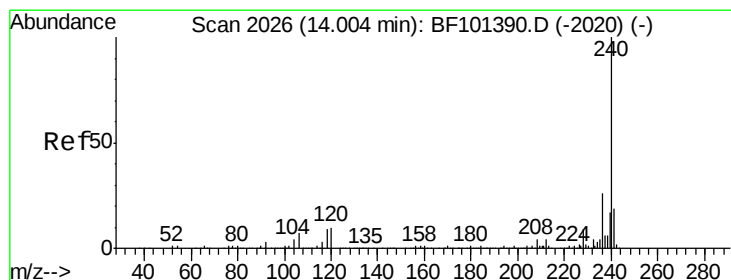
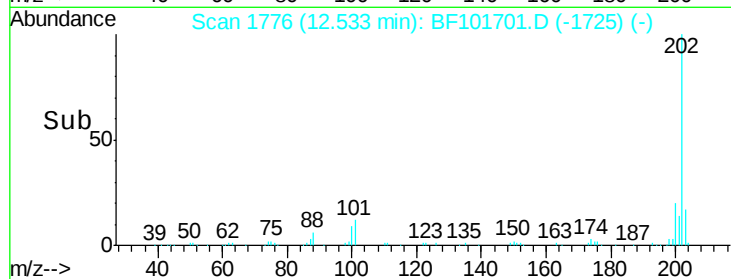
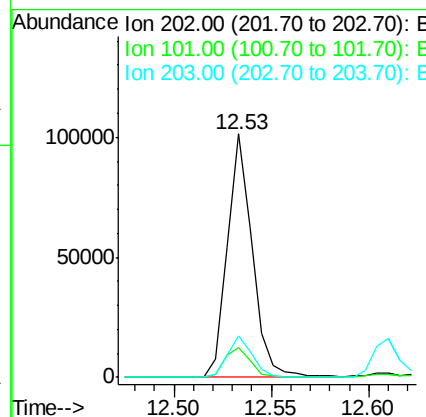
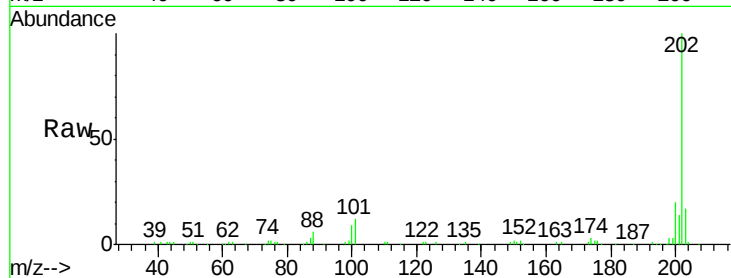
#74
 Fluoranthene
 Concen: 3.626 ng
 RT: 12.53 min Scan# 1776
 Delta R.T. 0.00 min
 Lab File: BF101701.D
 Acq: 23 Dec 2017 13:59

Instrument :
 BNA_F
 ClientSampled :
 WC-9871-01

Tgt Ion	Ratio	Resp Lower	Resp Upper
202	100		
101	12.3	0.0	34.1
203	16.9	0.0	38.1

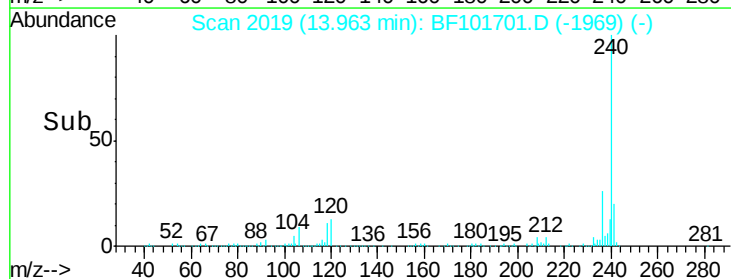
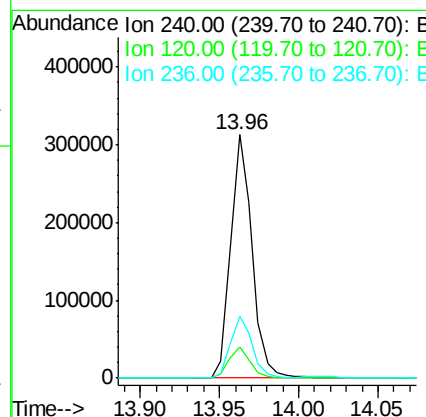
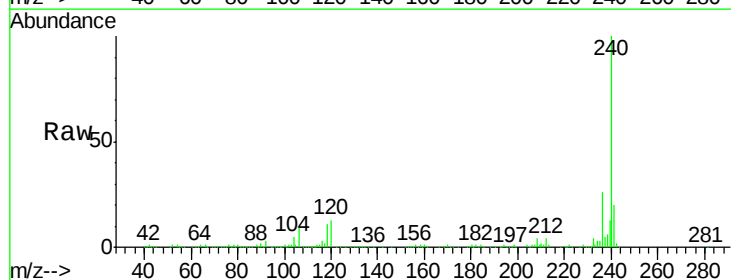
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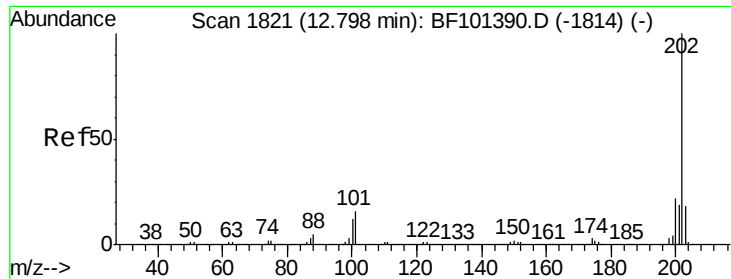
Sohil
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#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.01 min
 Lab File: BF101701.D
 Acq: 23 Dec 2017 13:59

Tgt Ion	Ratio	Resp Lower	Resp Upper
240	100		
120	12.7	9.5	14.3
236	25.6	20.7	31.1





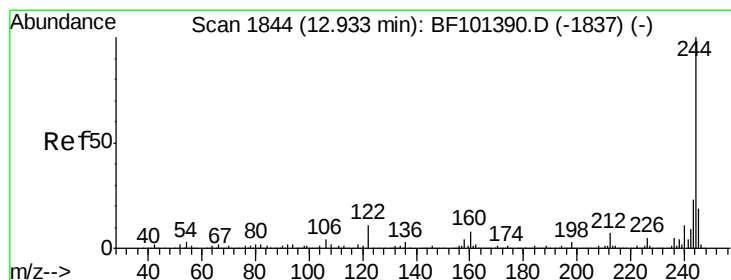
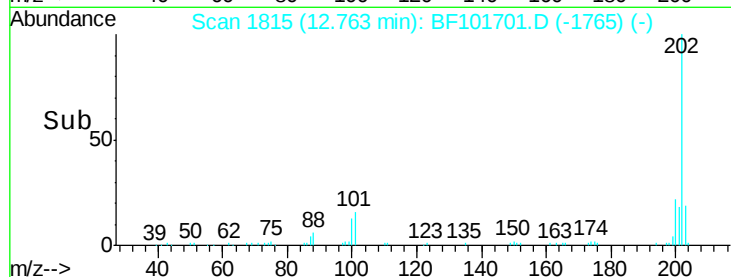
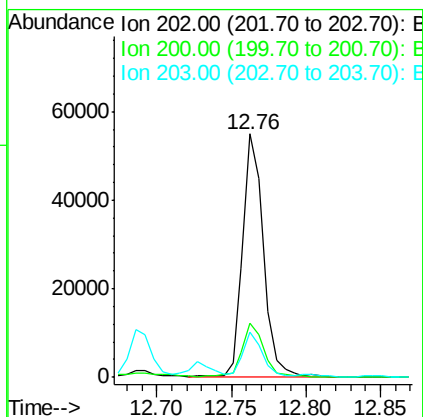
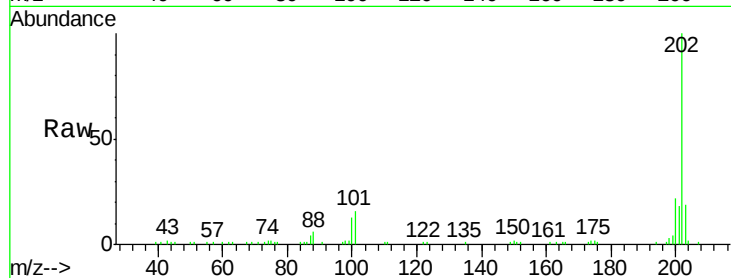
#77
 Pyrene
 Concen: 2.450 ng
 RT: 12.76 min Scan# 1815
 Delta R.T. -0.01 min
 Lab File: BF101701.D
 Acq: 23 Dec 2017 13:59

Instrument :
 BNA_F
 ClientSampleId :
 WC-9871-01

Tgt Ion	Ratio	Lower	Upper
202	100		
200	22.5	17.4	26.2
203	18.8	14.3	21.5

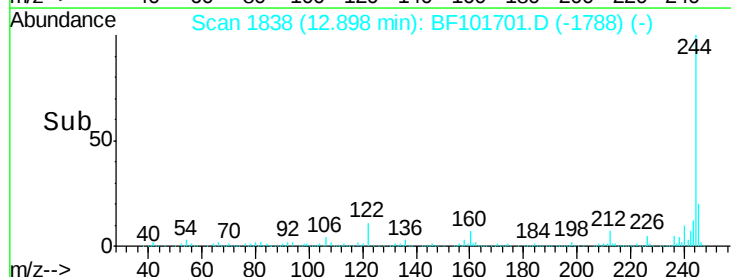
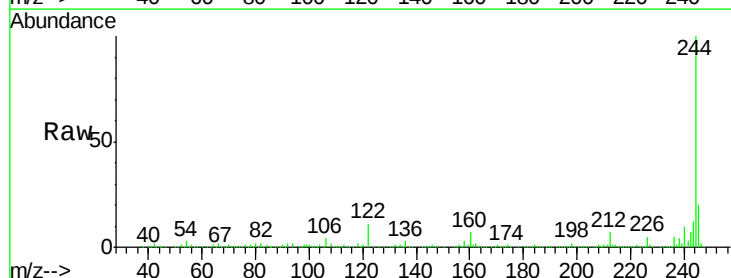
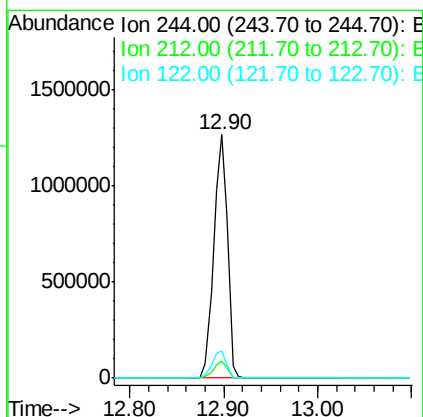
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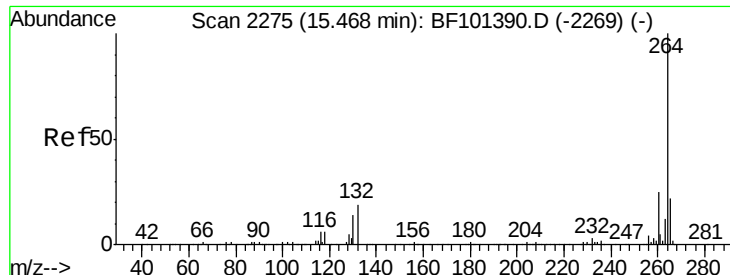
Sohil
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#78
 Terphenyl-d14
 Concen: 108.186 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. -0.01 min
 Lab File: BF101701.D
 Acq: 23 Dec 2017 13:59

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	11.1	11.0	16.4





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.00 min
Lab File: BF101701.D
Acq: 23 Dec 2017 13:59

Instrument :
BNA_F
ClientSampleId :
WC-9871-01

Tgt Ion:	264	Resp:	273320
Ion Ratio	Lower	Upper	
264	100		
260	23.2	19.2	28.8
265	20.4	17.5	26.3

Manual Integrations
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