

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
 Data File : BF101706.D
 Acq On : 26 Dec 2017 11:03
 Operator : SJ/JU
 Sample : I6848-03
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-9871-01

Manual Integrations
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 12/27/2017 4:14:10 PM

Quant Time: Dec 26 11:36:49 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF121417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 26 10:48:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	152232	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	600372	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	290360	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	561893	20.00	ng	0.00
75) Chrysene-d12	13.96	240	529428	20.00	ng	0.00
86) Perylene-d12	15.43	264	485344	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	1344881	131.60	ng	0.12
7) Phenol-d6	6.50	99	1182768m	92.99	ng	0.06
23) Nitrobenzene-d5	7.37	82	1032706	95.75	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	411532	147.09	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1685244	90.03	ng	0.00
78) Terphenyl-d14	12.90	244	1842961	83.92	ng	0.00
Target Compounds						
3) Pyridine	3.49	79	8072471	553.283	ng	97
10) Phenol	6.52	94	4593537	316.870	ng	95
17) 2-Methylphenol	7.07	107	894420	90.446	ng	99
20) 3+4-Methylphenols	7.24	107	2784721	265.739	ng	87
27) 2,4-Dimethylphenol	7.74	122	671677	77.097	ng	98
31) Naphthalene	8.09	128	1022357	33.825	ng	99
37) 2-Methylnaphthalene	8.78	142	77835	3.953	ng	98
48) Acenaphthylene	9.69	152	89876	2.888	ng	98
54) Dibenzofuran	10.03	168	64273	2.705	ng	98
57) Fluorene	10.37	166	98372	4.894	ng	98
70) Phenanthrene	11.34	178	596174	19.079	ng	100
71) Anthracene	11.39	178	126139m	3.952	ng	
72) Carbazole	11.56	167	1444759	48.345	ng	99
74) Fluoranthene	12.53	202	149633	4.562	ng	96
77) Pyrene	12.76	202	91477	2.302	ng	100

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

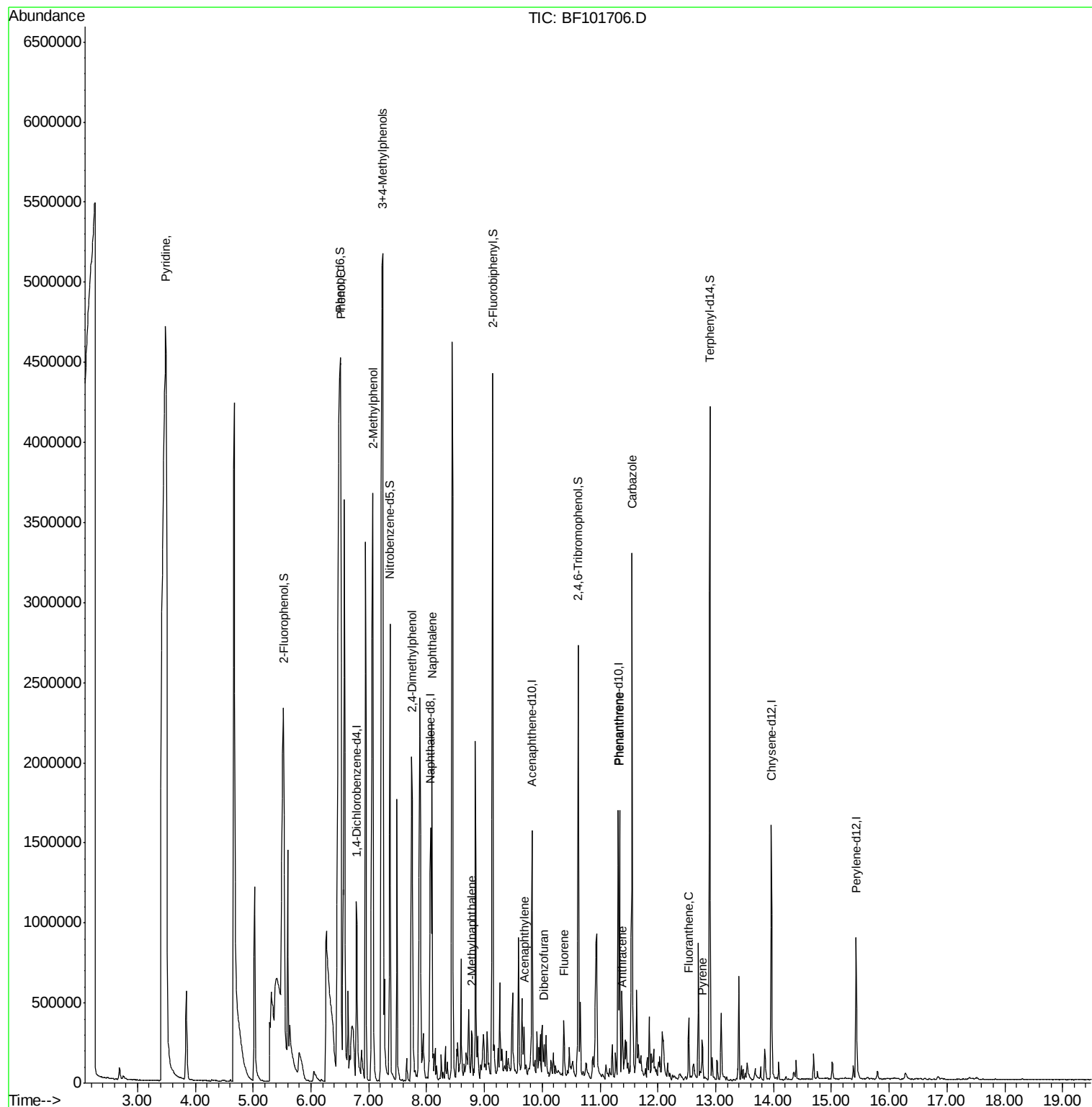
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122617\
Data File : BF101706.D
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Operator : SJ/JU
Sample : I6848-03
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ALS Vial : 5 Sample Multiplier: 1

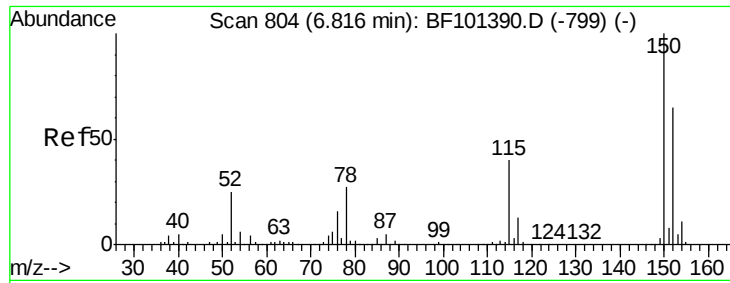
Instrument :
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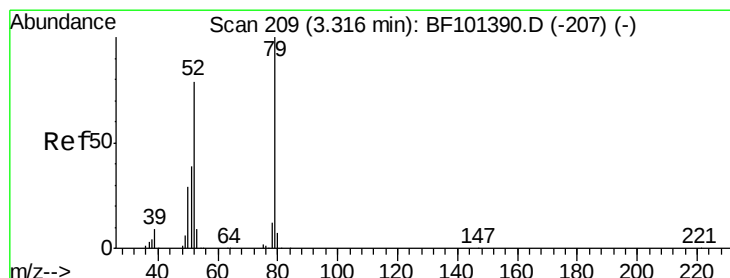
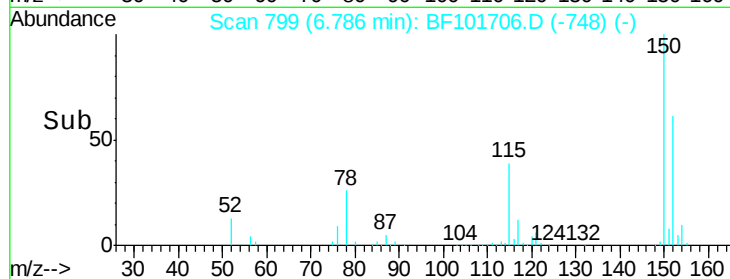
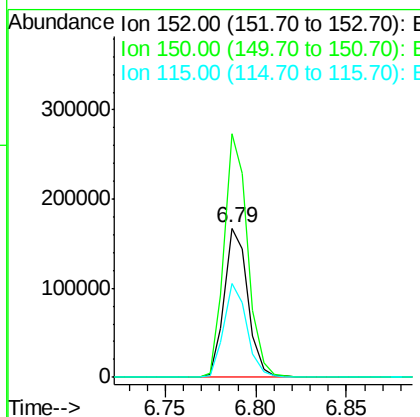
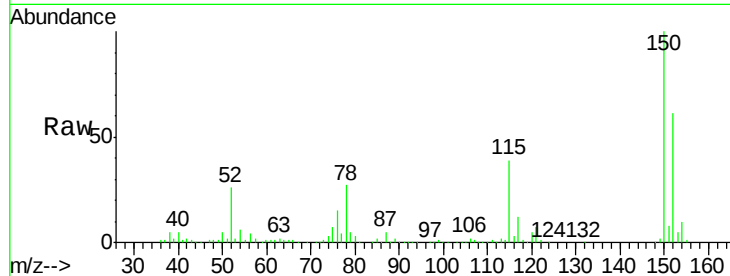
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 799
 Delta R.T. -0.00 min
 Lab File: BF101706.D
 Acq: 26 Dec 2017 11:03

Instrument :
 BNA_F
 ClientSampleId :
 WC-9871-01

Tgt Ion	Ratio	Lower	Upper
152	100		
150	163.4	124.6	186.8
115	63.1	50.1	75.1

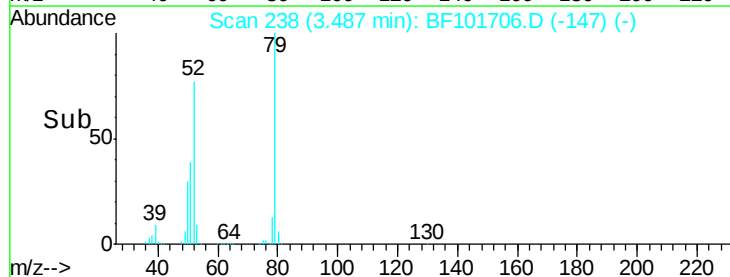
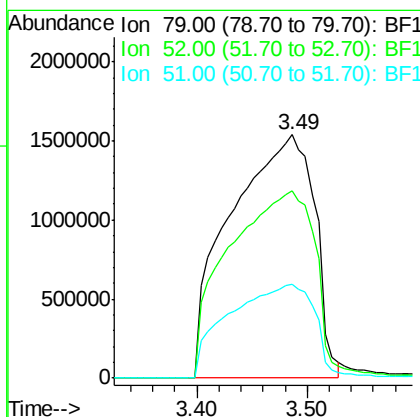
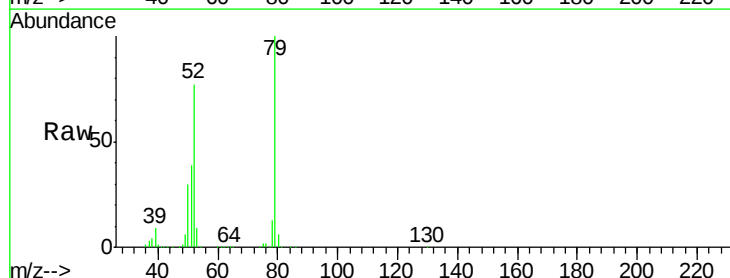
Manual Integrations
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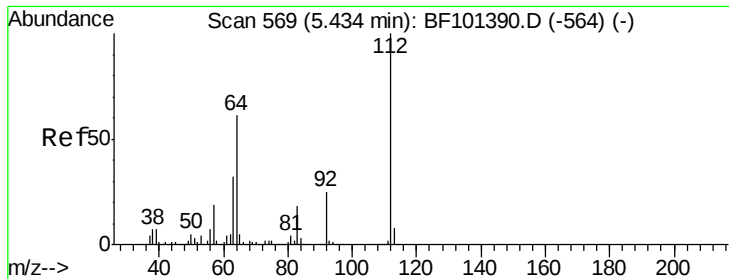
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#3
 Pyridine
 Concen: 553.283 ng
 RT: 3.49 min Scan# 238
 Delta R.T. 0.24 min
 Lab File: BF101706.D
 Acq: 26 Dec 2017 11:03

Tgt Ion	Ratio	Lower	Upper
79	100		
52	77.0	59.8	89.6
51	38.8	29.8	44.8





#5

2-Fluorophenol

Concen: 131.596 ng

RT: 5.53 min Scan# 585

Delta R.T. 0.12 min

Lab File: BF101706.D

Acq: 26 Dec 2017 11:03

Instrument :

BNA_F

ClientSampleId :

WC-9871-01

Tgt Ion:112 Resp: 1344881

Ion Ratio Lower Upper

112 100

64 61.8 47.9 71.9

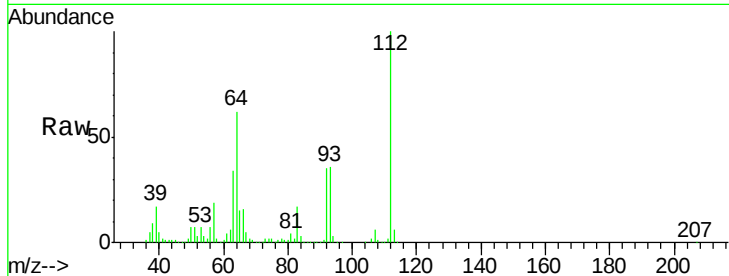
63 34.0 23.7 35.5

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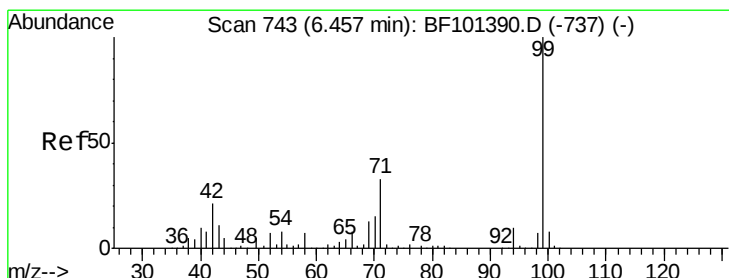
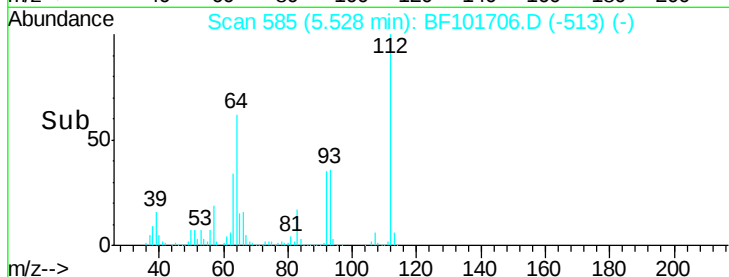
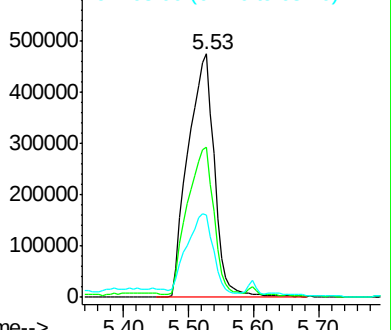
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Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#7

Phenol-d6

Concen: 92.993 ng m

RT: 6.50 min Scan# 750

Delta R.T. 0.06 min

Lab File: BF101706.D

Acq: 26 Dec 2017 11:03

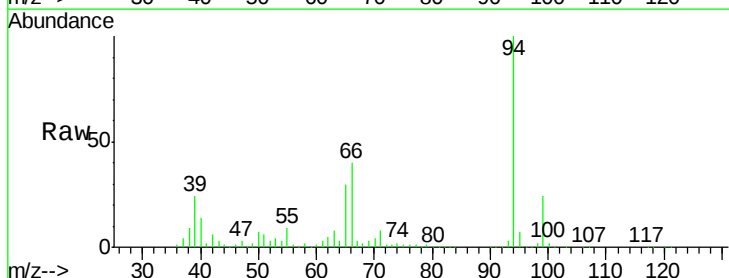
Tgt Ion: 99 Resp: 1182768

Ion Ratio Lower Upper

99 100

42 23.6 14.5 21.7#

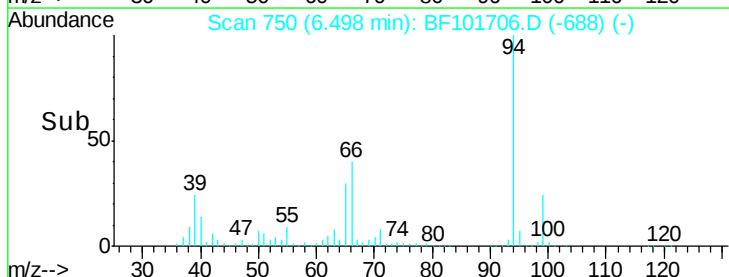
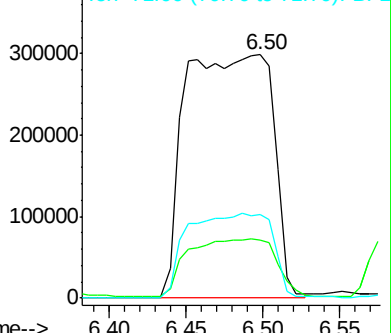
71 34.4 25.4 38.0

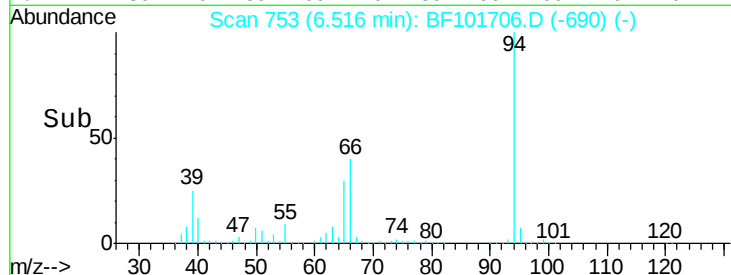
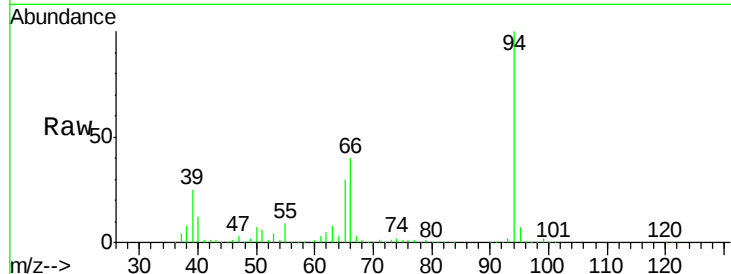
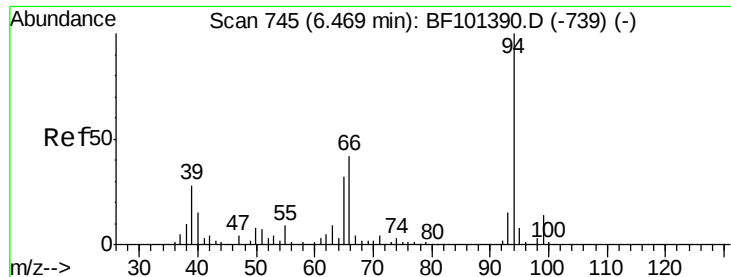


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#10

Phenol

Concen: 316.870 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.07 min

Lab File: BF101706.D

Acq: 26 Dec 2017 11:03

Tgt Ion: 94 Resp: 4593537

Ion Ratio Lower Upper

94 100

65 30.1 7.9 47.9

66 39.6 16.2 56.2

Instrument :

BNA_F

ClientSampleId :

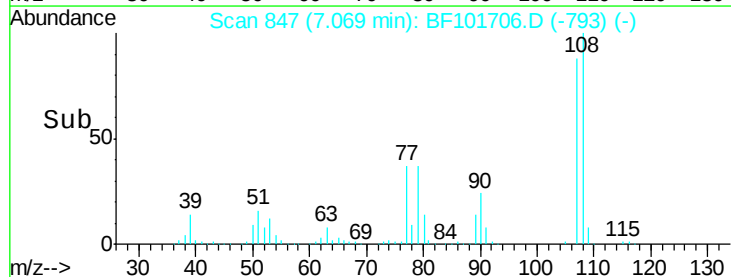
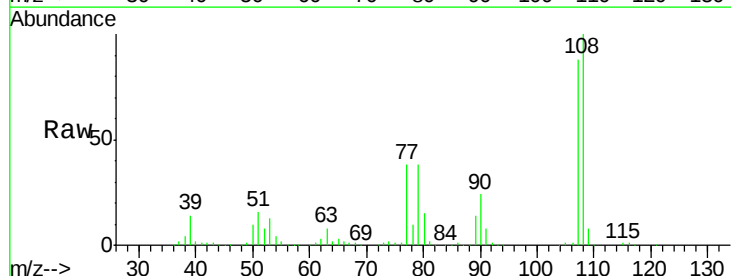
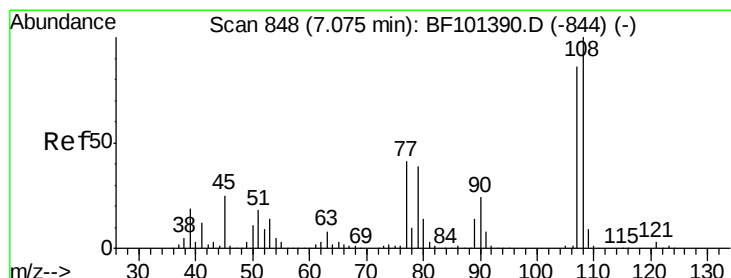
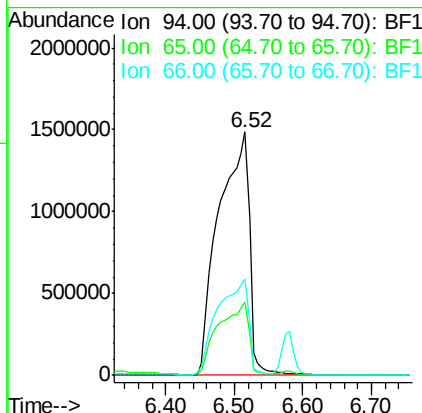
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#17

2-Methylphenol

Concen: 90.446 ng

RT: 7.07 min Scan# 847

Delta R.T. 0.02 min

Lab File: BF101706.D

Acq: 26 Dec 2017 11:03

Tgt Ion: 107 Resp: 894420

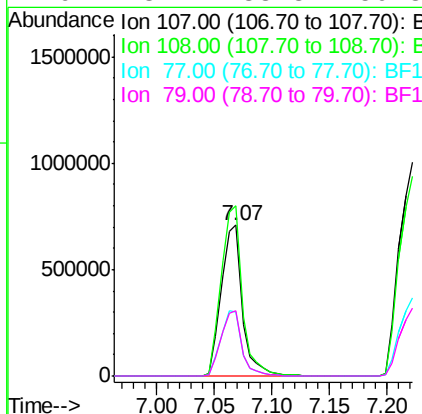
Ion Ratio Lower Upper

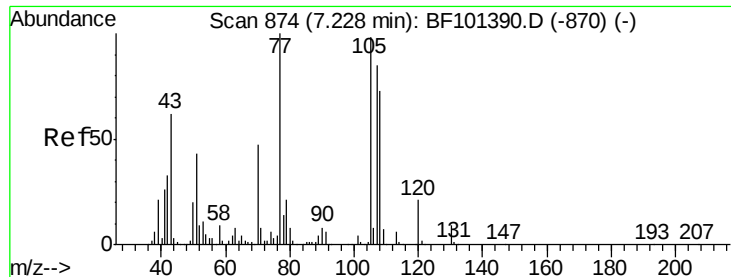
107 100

108 113.1 91.7 137.5

77 42.6 33.8 50.8

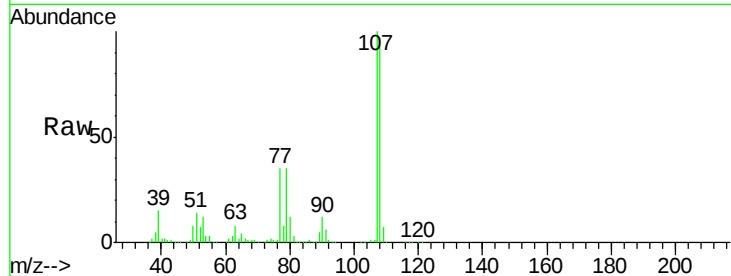
79 43.4 33.8 50.8





#20
3+4-Methylphenols
Concen: 265.739 ng
RT: 7.24 min Scan# 876
Delta R.T. 0.03 min
Lab File: BF101706.D
Acq: 26 Dec 2017 11:03

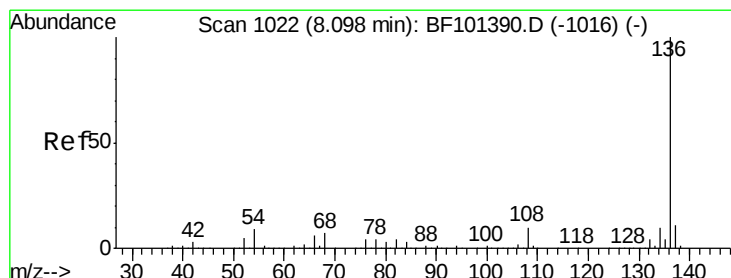
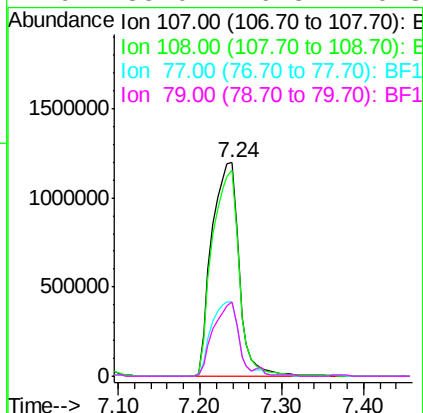
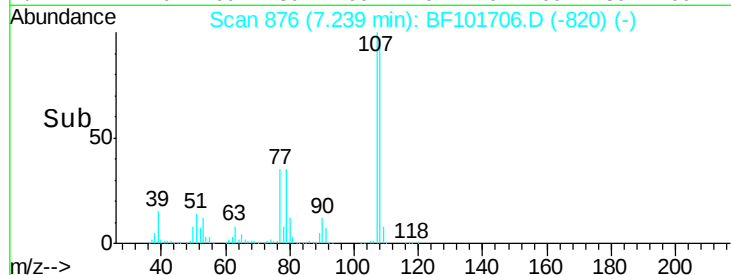
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:	107	Resp:	2784721
Ion	Ratio	Lower	Upper
107	100		
108	96.6	68.2	108.2
77	35.0	26.7	66.7
79	35.0	6.3	46.3

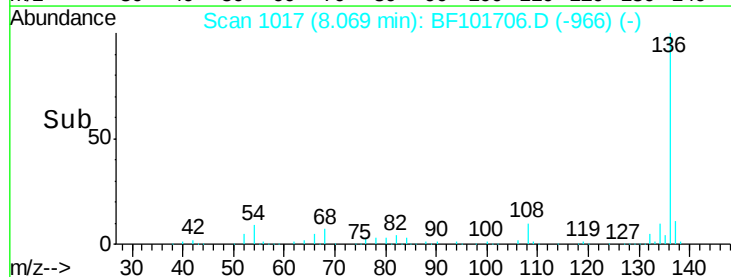
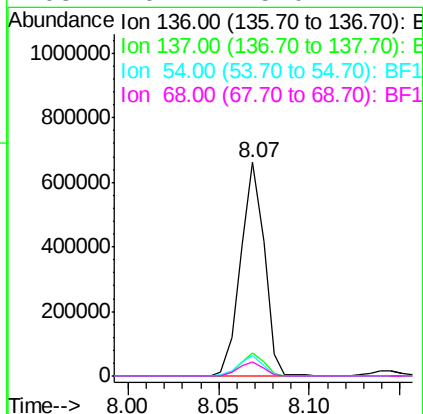
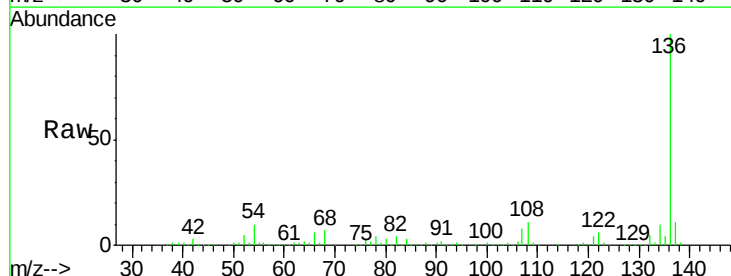
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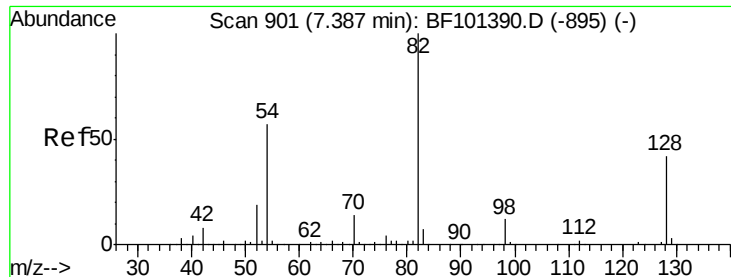
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#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1017
Delta R.T. -0.00 min
Lab File: BF101706.D
Acq: 26 Dec 2017 11:03

Tgt Ion:	136	Resp:	600372
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	9.6	6.6	9.8
68	6.7	5.0	7.4





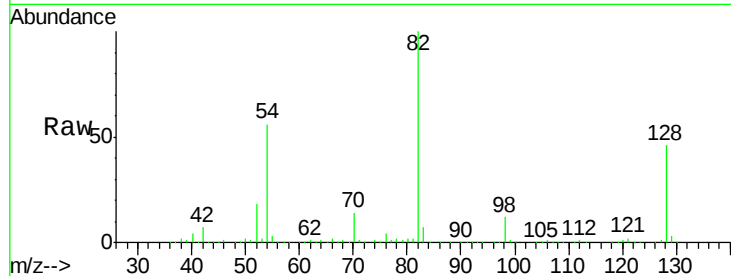
#23
Nitrobenzene-d5
Concen: 95.751 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.01 min
Lab File: BF101706.D
Acq: 26 Dec 2017 11:03

Instrument :
BNA_F
ClientSampleId :
WC-9871-01

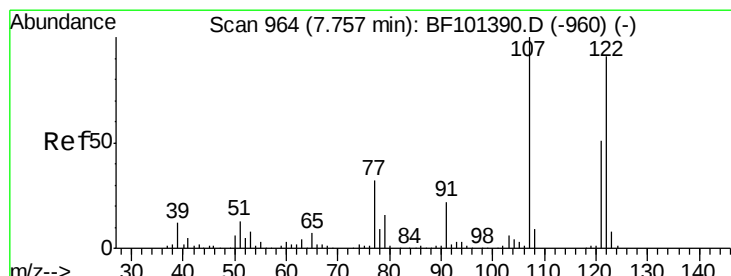
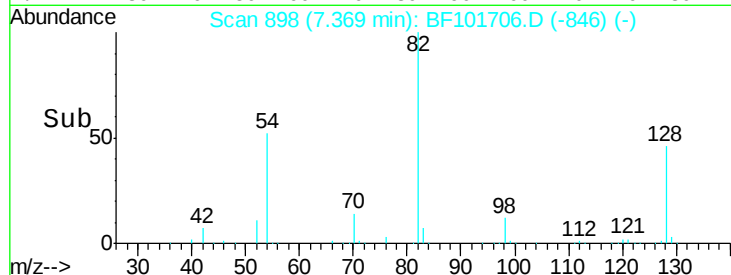
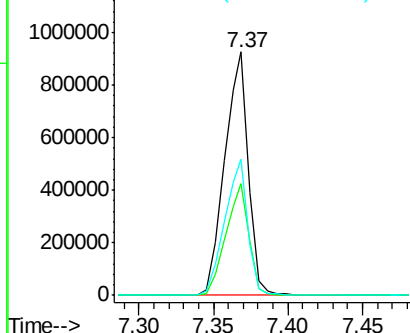
Tgt Ion: 82 Resp: 1032706
Ion Ratio Lower Upper
82 100
128 45.7 36.1 54.1
54 55.8 41.4 62.2

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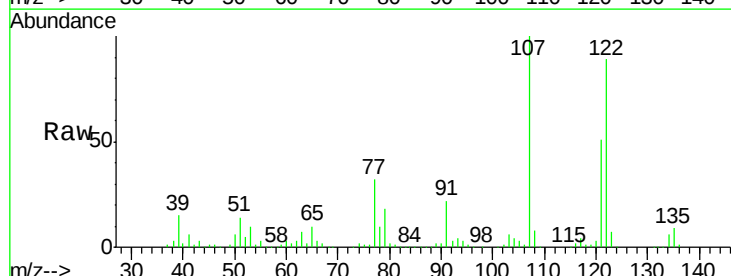


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1

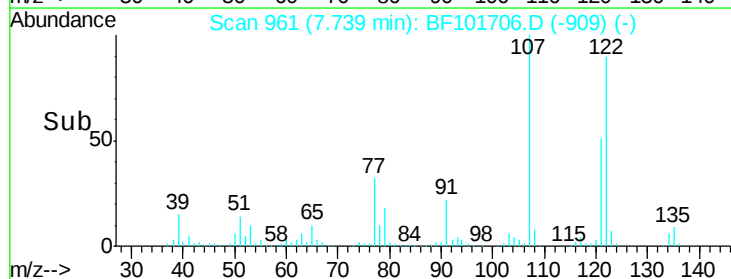
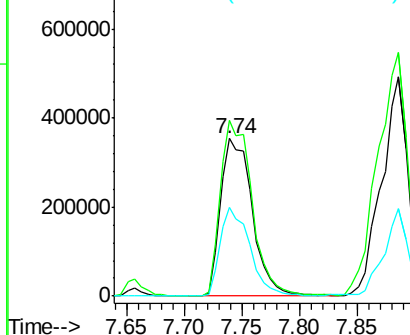


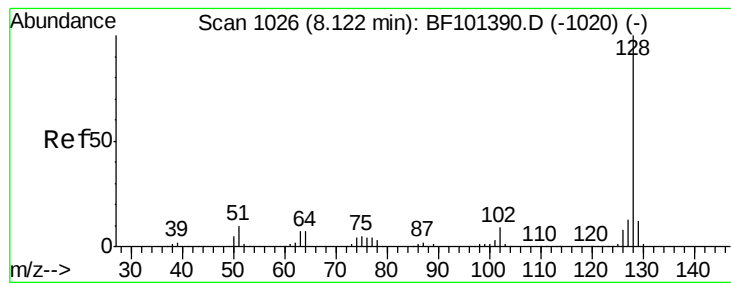
#27
2,4-Dimethylphenol
Concen: 77.097 ng
RT: 7.74 min Scan# 961
Delta R.T. 0.01 min
Lab File: BF101706.D
Acq: 26 Dec 2017 11:03

Tgt Ion: 122 Resp: 671677
Ion Ratio Lower Upper
122 100
107 112.0 91.2 136.8
121 56.7 47.2 70.8



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E





#31

Naphthalene

Concen: 33.825 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.00 min

Lab File: BF101706.D

Acq: 26 Dec 2017 11:03

Instrument :

BNA_F

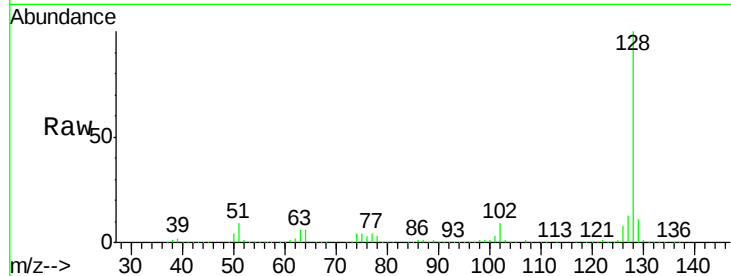
ClientSampleId :

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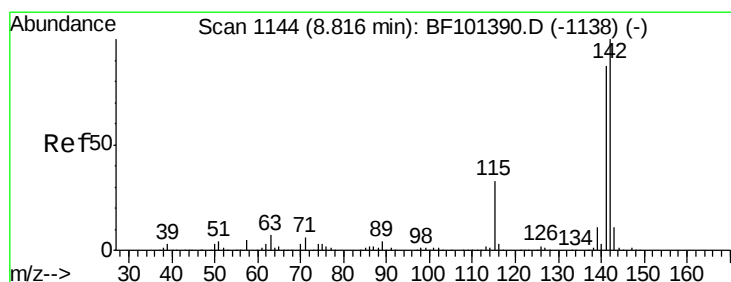
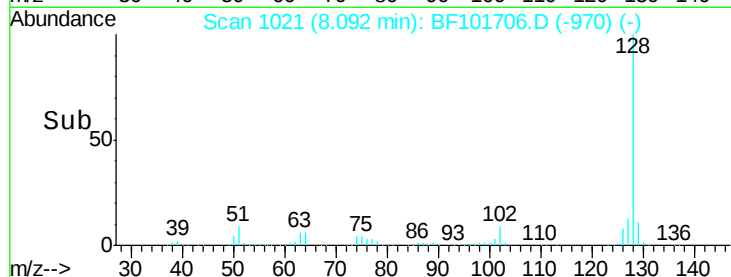
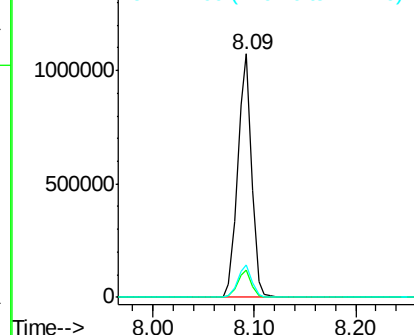
Tgt Ion:	128	Resp:	1022357
Ion Ratio	Lower	Upper	
128	100		
129	11.3	8.8	13.2
127	13.3	10.9	16.3

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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: 3.953 ng

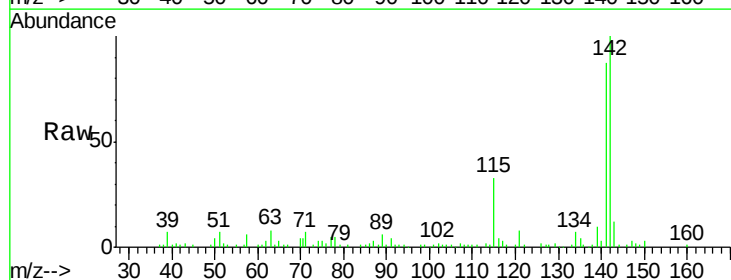
RT: 8.78 min Scan# 1138

Delta R.T. -0.00 min

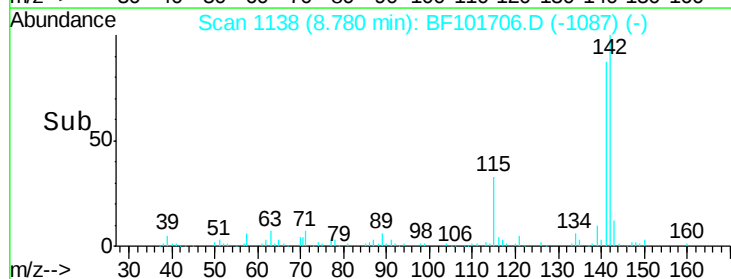
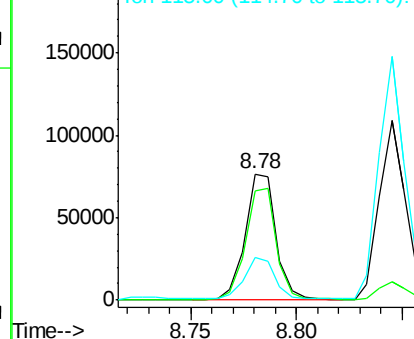
Lab File: BF101706.D

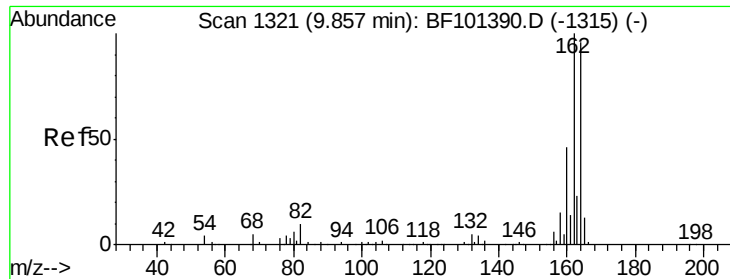
Acq: 26 Dec 2017 11:03

Tgt Ion:	142	Resp:	77835
Ion Ratio	Lower	Upper	
142	100		
141	86.7	70.8	106.2
115	33.4	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





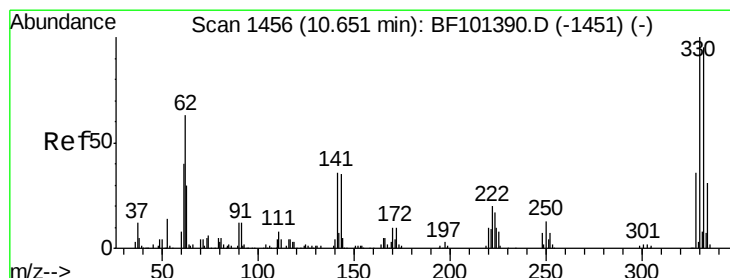
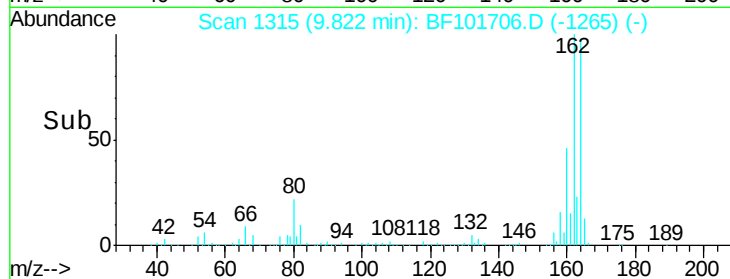
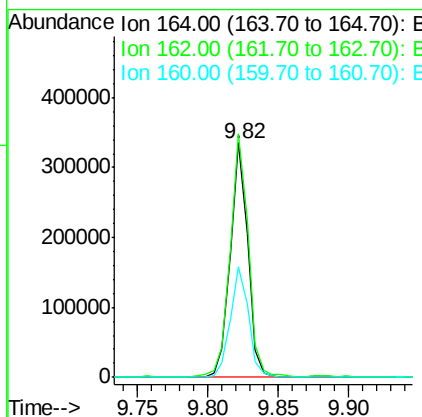
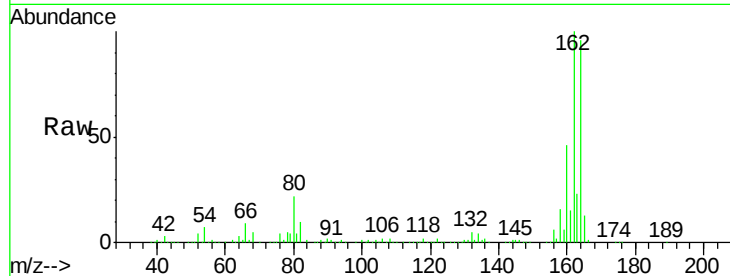
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.82 min Scan# 1315
 Delta R.T. -0.01 min
 Lab File: BF101706.D
 Acq: 26 Dec 2017 11:03

Instrument :
 BNA_F
 ClientSampleId :
 WC-9871-01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	290360		
162	103.8	86.1	129.1	
160	47.2	38.3	57.5	

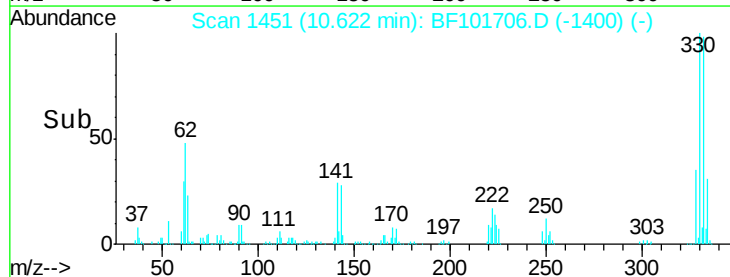
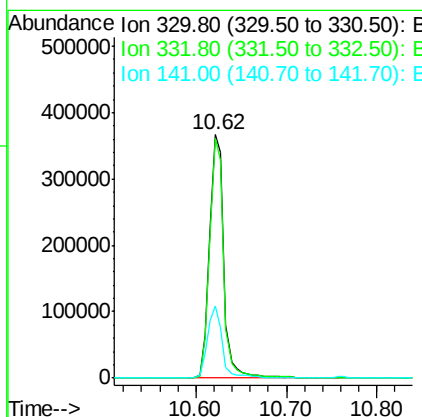
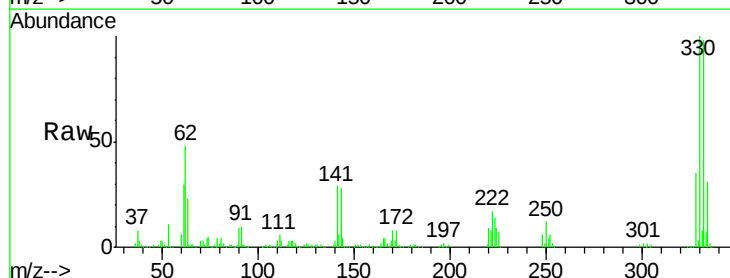
Manual Integrations
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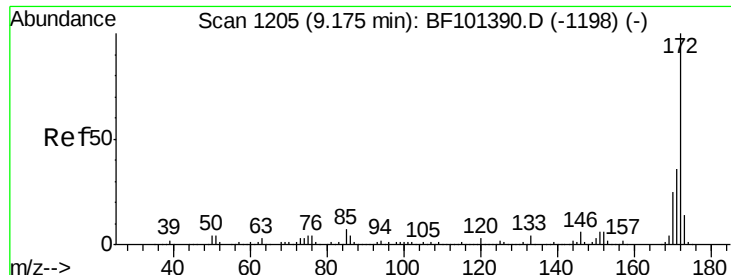
Sohil
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#41
 2,4,6-Tribromophenol
 Concen: 147.089 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.00 min
 Lab File: BF101706.D
 Acq: 26 Dec 2017 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	411532		
332	96.2	77.0	115.6	
141	31.4	29.9	44.9	





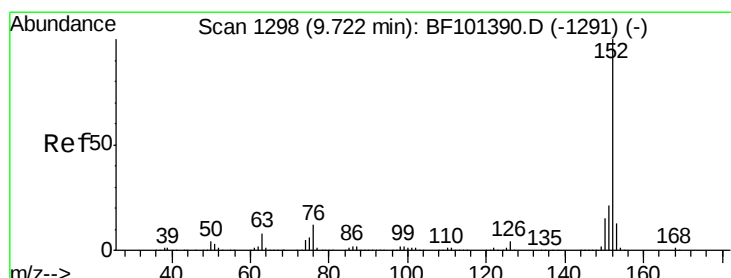
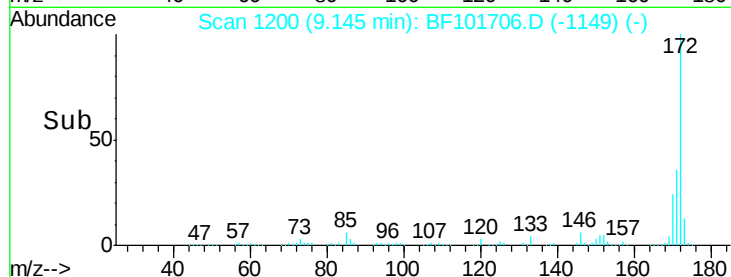
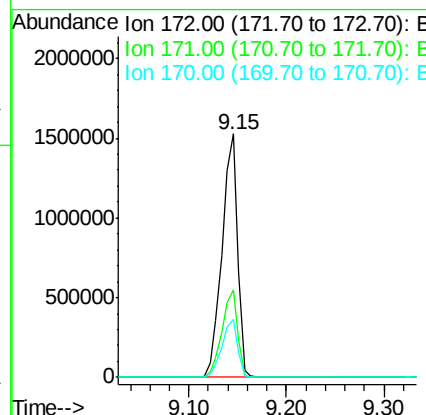
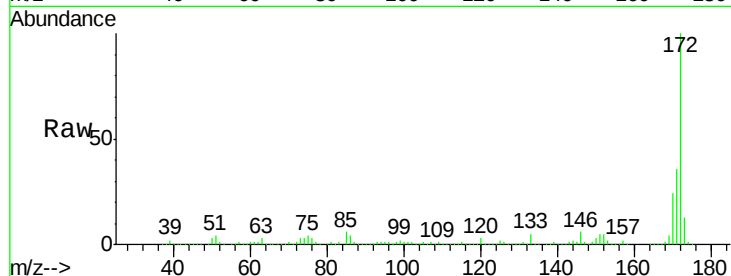
#44
2-Fluorobiphenyl
Concen: 90.034 ng
RT: 9.15 min Scan# 1200
Delta R.T. -0.00 min
Lab File: BF101706.D
Acq: 26 Dec 2017 11:03

Instrument :
BNA_F
ClientSampleId :
WC-9871-01

Tgt Ion:172 Resp: 1685244
Ion Ratio Lower Upper
172 100
171 36.1 29.7 44.5
170 24.0 19.6 29.4

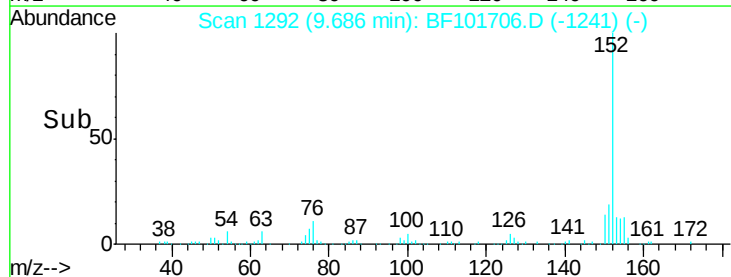
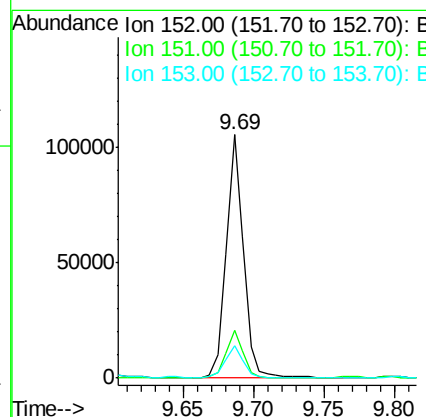
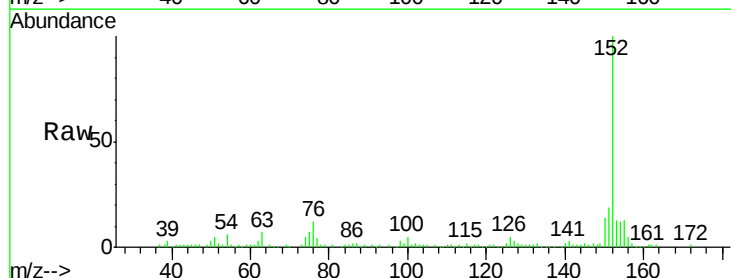
Manual Integrations
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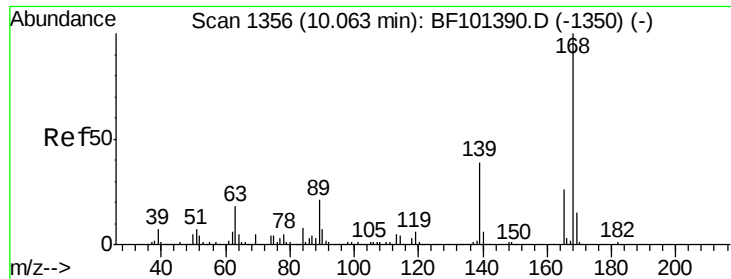
Sohil
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#48
Acenaphthylene
Concen: 2.888 ng
RT: 9.69 min Scan# 1292
Delta R.T. -0.00 min
Lab File: BF101706.D
Acq: 26 Dec 2017 11:03

Tgt Ion:152 Resp: 89876
Ion Ratio Lower Upper
152 100
151 19.4 16.3 24.5
153 13.1 10.7 16.1





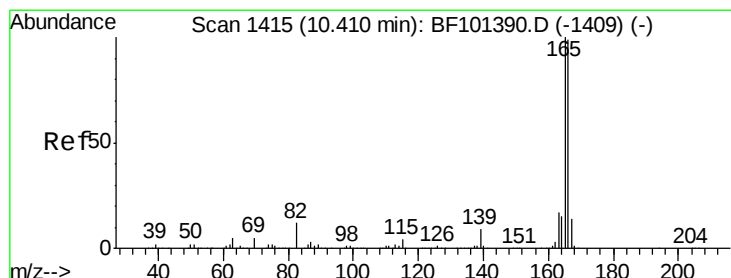
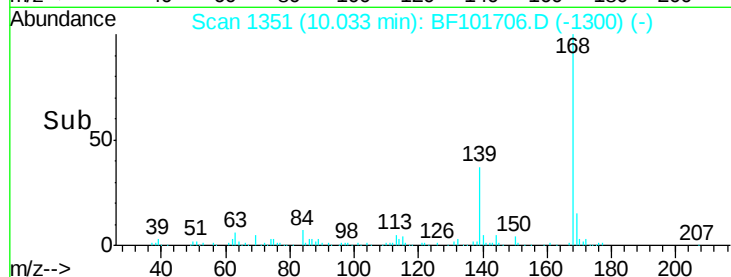
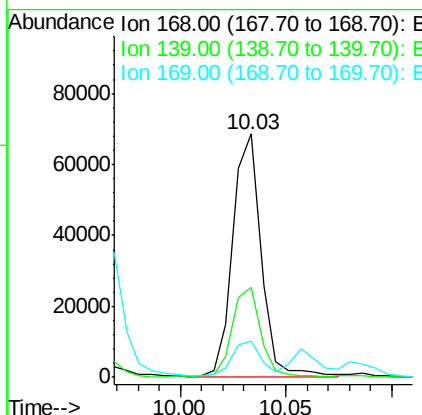
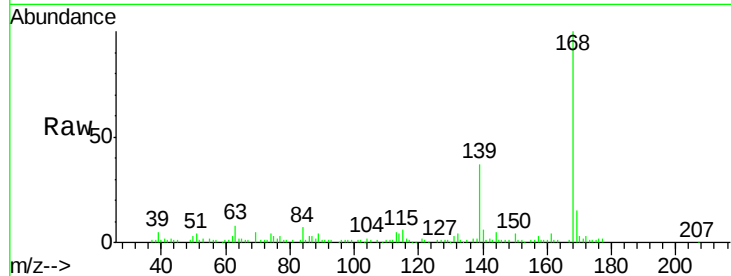
#54
Dibenzenofuran
Concen: 2.705 ng
RT: 10.03 min Scan# 1351
Delta R.T. -0.00 min
Lab File: BF101706.D
Acq: 26 Dec 2017 11:03

Instrument :
BNA_F
ClientSampleId :
WC-9871-01

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	64273		
139	37.0		30.1	45.1
169	14.8		10.9	16.3

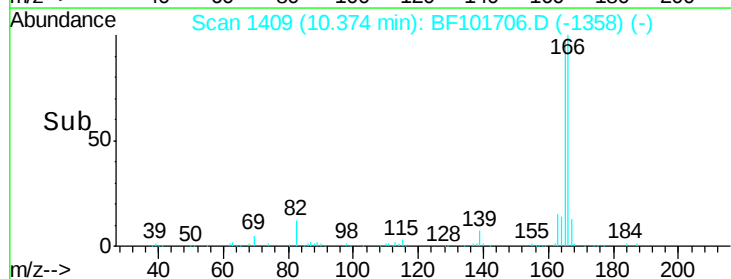
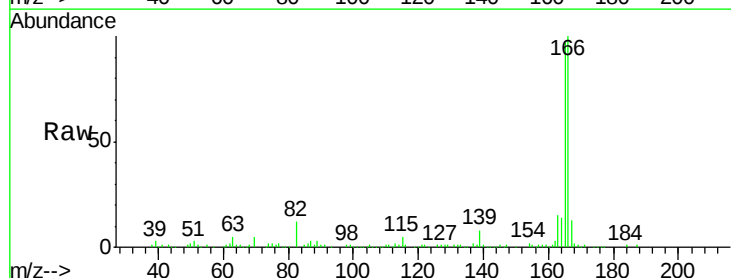
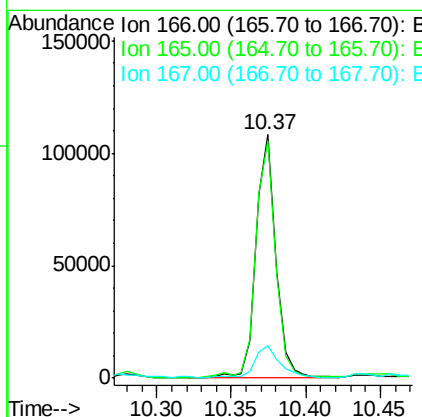
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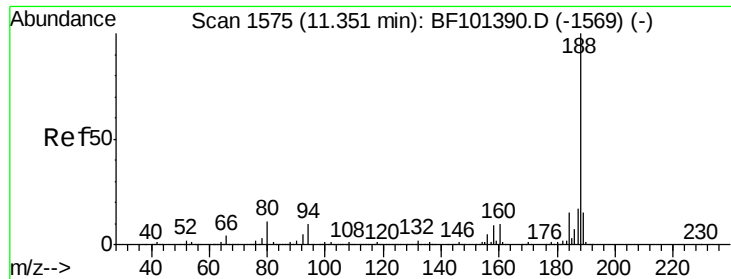
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#57
Fluorene
Concen: 4.894 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.00 min
Lab File: BF101706.D
Acq: 26 Dec 2017 11:03

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	98372		
165	97.3		79.8	119.8
167	13.3		10.6	16.0





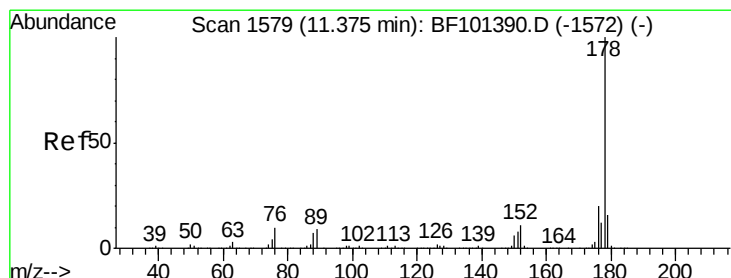
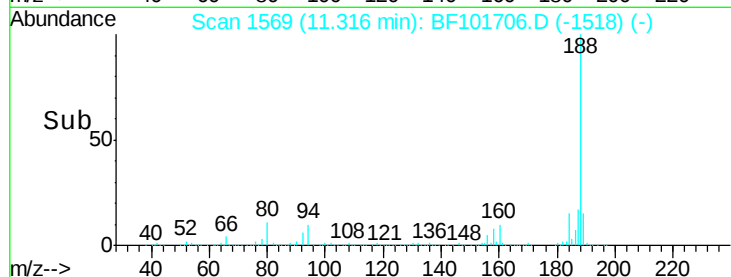
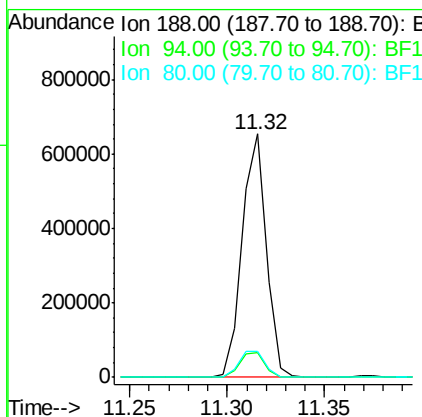
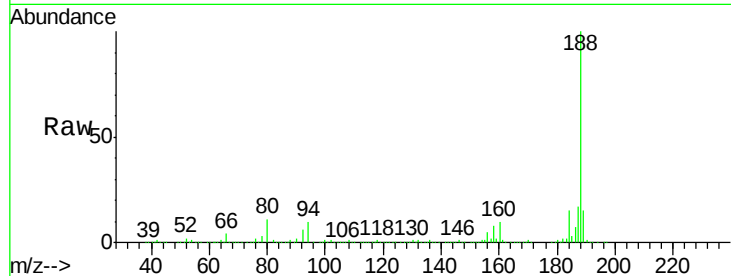
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.00 min
Lab File: BF101706.D
Acq: 26 Dec 2017 11:03

Instrument :
BNA_F
ClientSampleId :
WC-9871-01

Tgt Ion	Ratio	Resp Lower	Resp Upper
188	100		
94	10.2	8.5	12.7
80	10.6	9.2	13.8

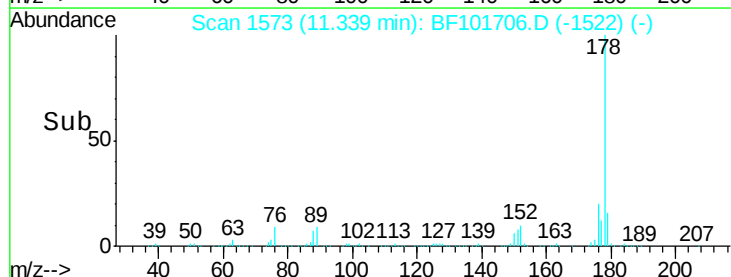
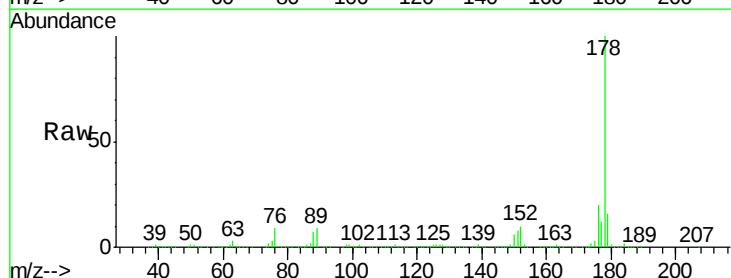
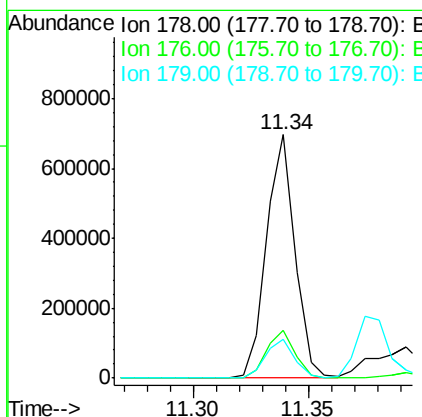
Manual Integrations
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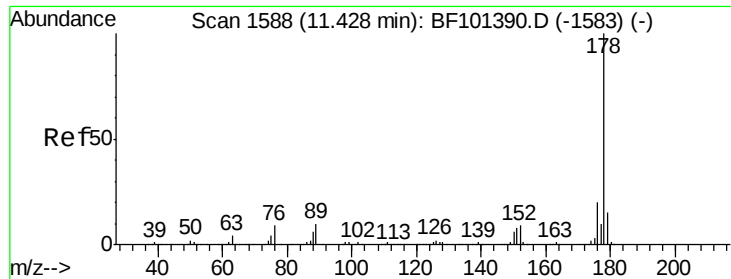
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#70
Phenanthrene
Concen: 19.079 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.00 min
Lab File: BF101706.D
Acq: 26 Dec 2017 11:03

Tgt Ion	Ratio	Resp Lower	Resp Upper
178	100		
176	19.8	15.8	23.8
179	16.1	13.0	19.6





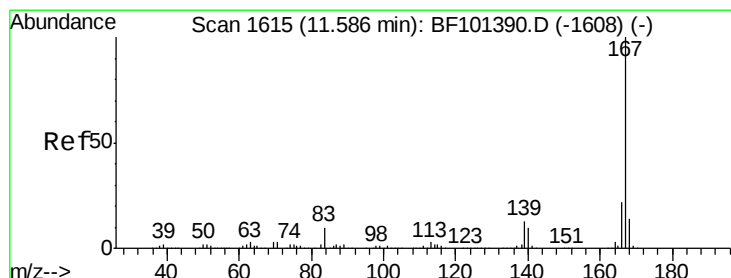
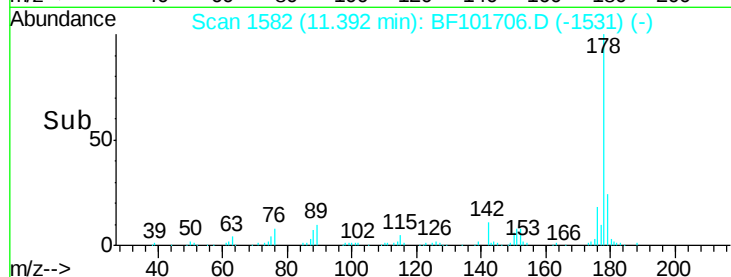
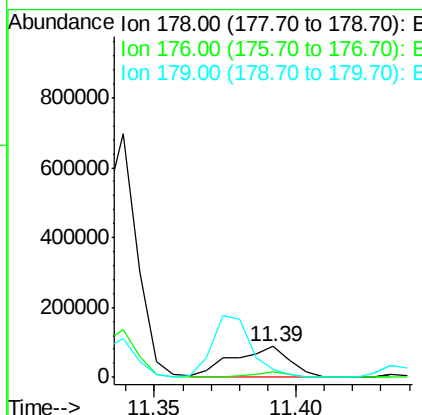
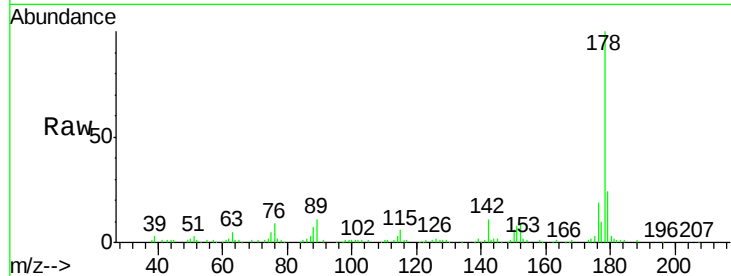
#71
 Anthracene
 Concen: 3.952 ng m
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: BF101706.D
 Acq: 26 Dec 2017 11:03

Instrument :
 BNA_F
 ClientSampleId :
 WC-9871-01

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	24.3	12.6	19.0

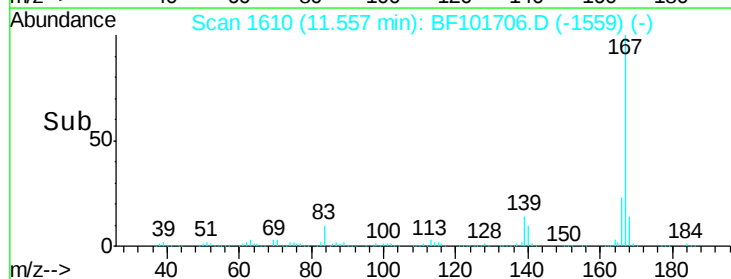
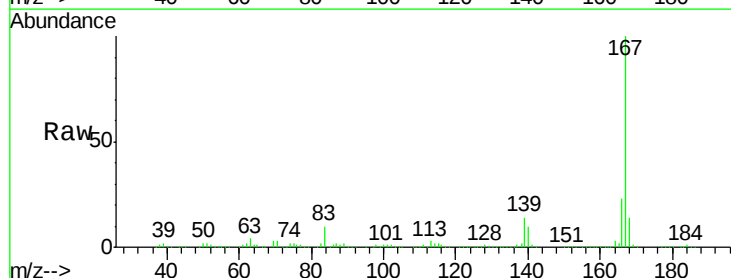
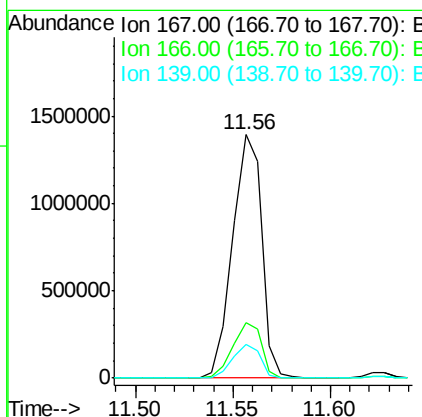
Manual Integrations
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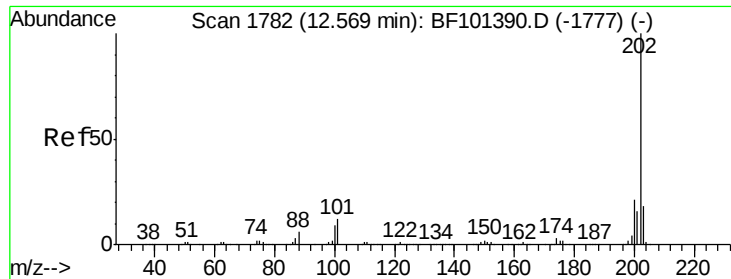
Sohil
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#72
 Carbazole
 Concen: 48.345 ng
 RT: 11.56 min Scan# 1610
 Delta R.T. -0.00 min
 Lab File: BF101706.D
 Acq: 26 Dec 2017 11:03

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.7	17.6	26.4
139	13.6	10.9	16.3





#74

Fluoranthene

Concen: 4.562 ng

RT: 12.53 min Scan# 1776

Delta R.T. -0.00 min

Lab File: BF101706.D

Acq: 26 Dec 2017 11:03

Instrument :

BNA_F

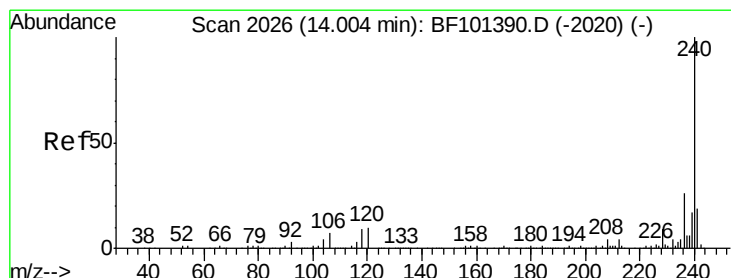
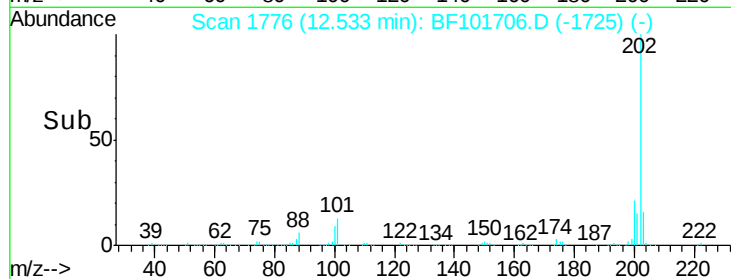
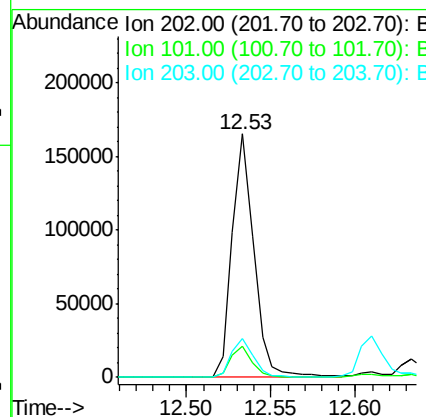
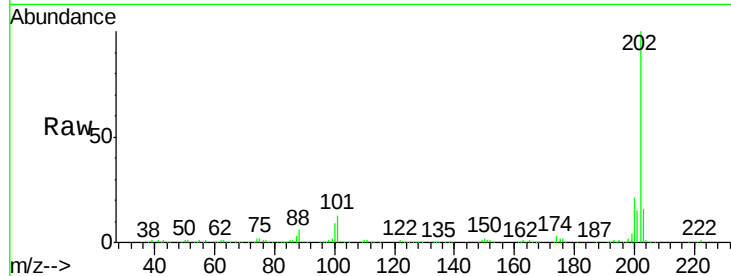
ClientSampleId :

WC-9871-01

Tgt Ion:	202	Resp:	149633
Ion Ratio	Lower	Upper	
202	100		
101	12.7	0.0	34.1
203	16.2	0.0	38.1

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#75

Chrysene-d12

Concen: 20.000 ng

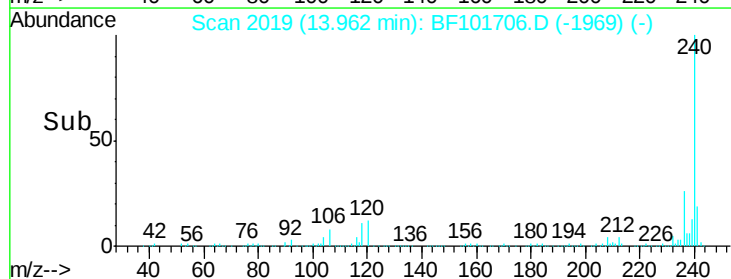
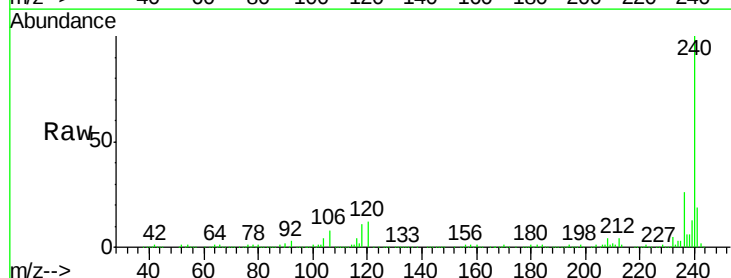
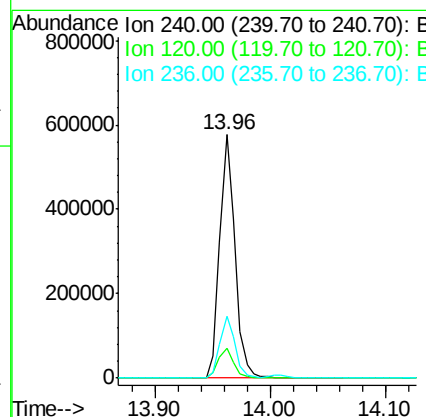
RT: 13.96 min Scan# 2019

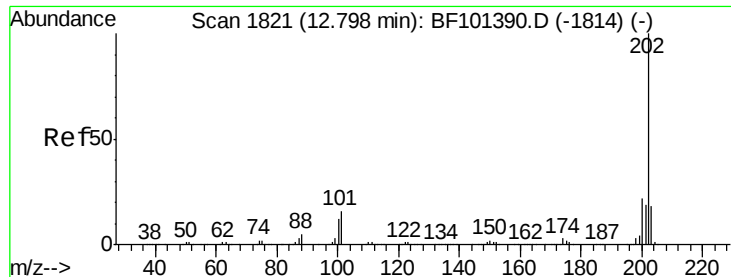
Delta R.T. -0.01 min

Lab File: BF101706.D

Acq: 26 Dec 2017 11:03

Tgt Ion:	240	Resp:	529428
Ion Ratio	Lower	Upper	
240	100		
120	12.5	9.5	14.3
236	25.6	20.7	31.1





#77

Pyrene

Concen: 2.302 ng

RT: 12.76 min Scan# 1815

Delta R.T. -0.00 min

Lab File: BF101706.D

Acq: 26 Dec 2017 11:03

Instrument :

BNA_F

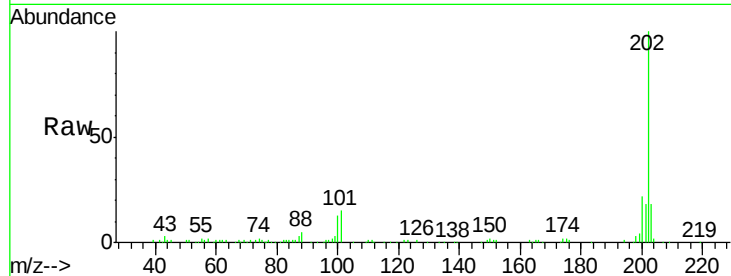
ClientSampleId :

WC-9871-01

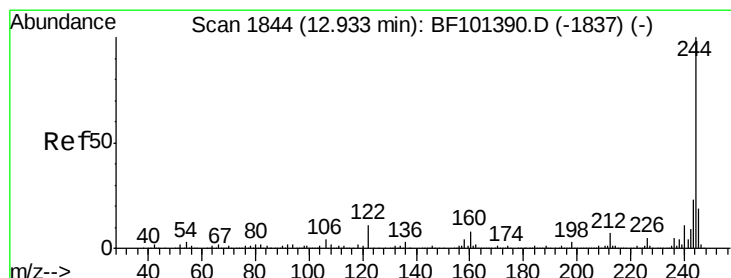
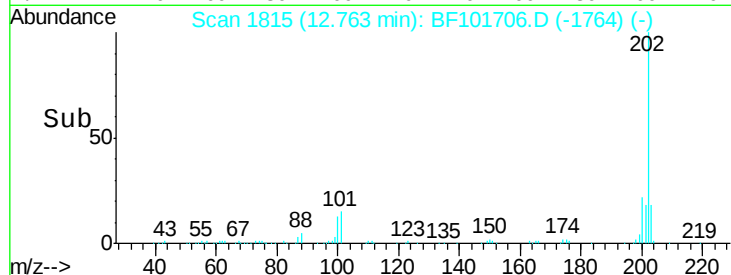
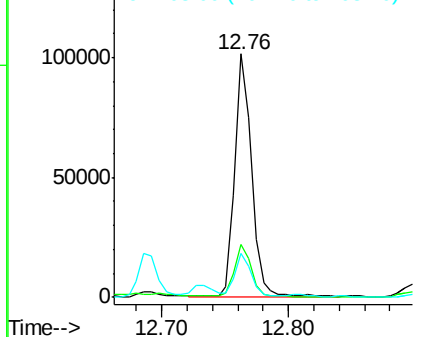
Tgt Ion:	202	Resp:	91477
Ion Ratio	Lower	Upper	
202	100		
200	21.9	17.4	26.2
203	18.0	14.3	21.5

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Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 83.920 ng

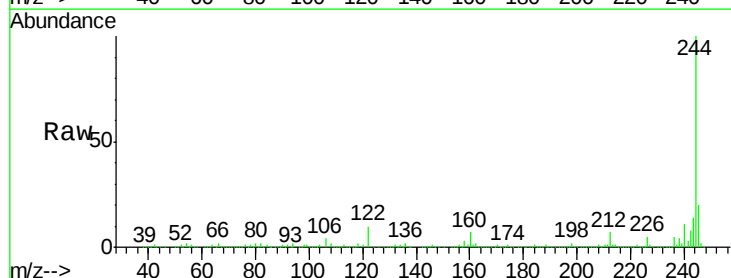
RT: 12.90 min Scan# 1839

Delta R.T. 0.01 min

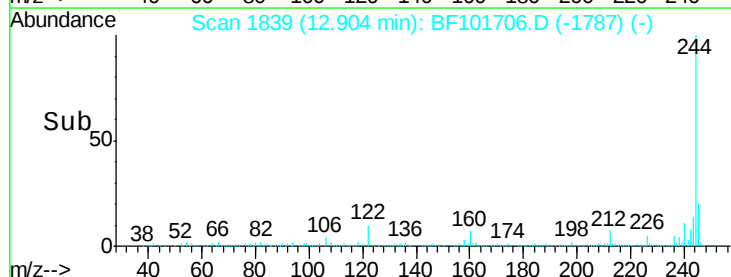
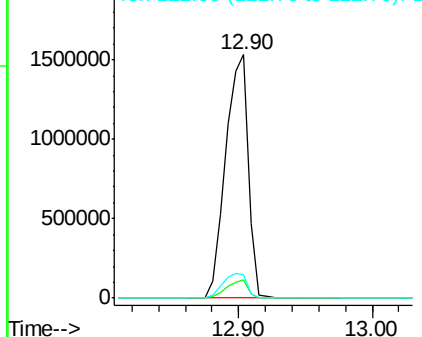
Lab File: BF101706.D

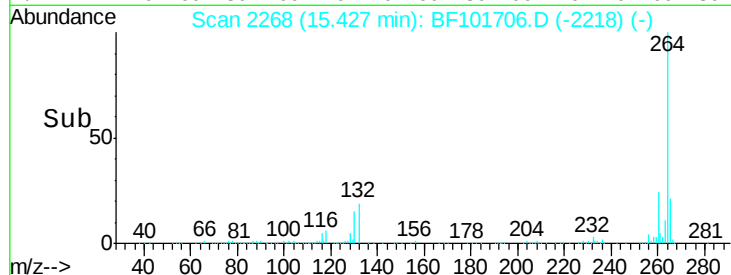
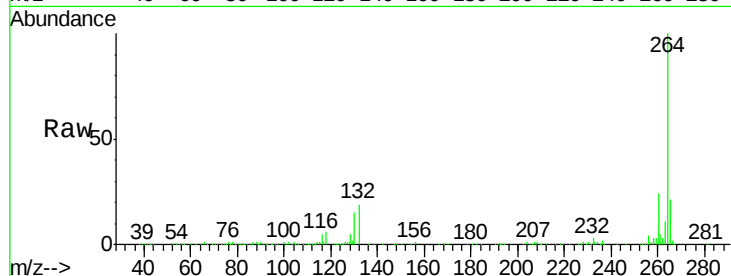
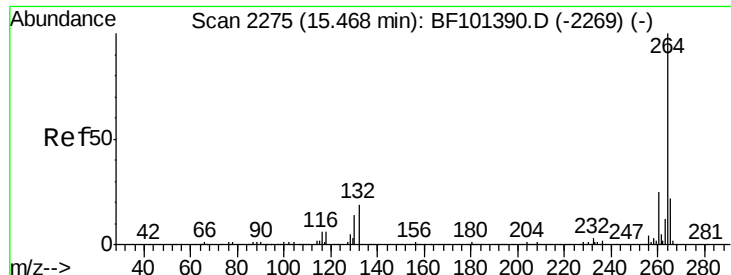
Acq: 26 Dec 2017 11:03

Tgt Ion:	244	Resp:	1842961
Ion Ratio	Lower	Upper	
244	100		
212	7.3	5.4	8.0
122	9.8	11.0	16.4#



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. -0.01 min
Lab File: BF101706.D
Acq: 26 Dec 2017 11:03

Instrument :
BNA_F
ClientSampleId :
WC-9871-01

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.2	28.8
265	21.3	17.5	26.3

Manual Integrations
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