

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122217\
 Data File : BF101700.D
 Acq On : 23 Dec 2017 13:32
 Operator : SJ/JU
 Sample : I6847-03
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-646507-01

Manual Integrations
 APPROVED

Sohil
 12/26/2017 1:38:10 PM

Quant Time: Dec 25 03:10:54 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	163702	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	473745	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	271698	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	458495	20.00	ng	0.00
75) Chrysene-d12	13.96	240	311213	20.00	ng	0.00
86) Perylene-d12	15.43	264	301173	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1339671	121.90	ng	0.02
7) Phenol-d6	6.44	99	1570714	114.84	ng	0.00
23) Nitrobenzene-d5	7.36	82	1074725	126.28	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	352698	134.72	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	1636032	93.41	ng	0.00
78) Terphenyl-d14	12.90	244	1351108	104.66	ng	0.00
Target Compounds						
10) Phenol	6.45	94	49201m	3.156	ng	Qvalue # 90 98 99 97 99 98 99 99 99 99
20) 3+4-Methylphenols	7.25	107	31281	2.776	ng	
22) Acetophenone	7.21	105	30433	2.815	ng	
31) Naphthalene	8.10	128	7551664	316.631	ng	
37) 2-Methylnaphthalene	8.78	142	588262	37.858	ng	
45) 1,1'-Biphenyl	9.25	154	118074	4.900	ng	
54) Dibenzofuran	10.03	168	226527	10.188	ng	
57) Fluorene	10.37	166	100863	5.363	ng	
70) Phenanthrene	11.34	178	271054	10.631	ng	
71) Anthracene	11.39	178	53446m	2.052	ng	
72) Carbazole	11.55	167	296056	12.141	ng	
74) Fluoranthene	12.53	202	70677	2.641	ng	

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

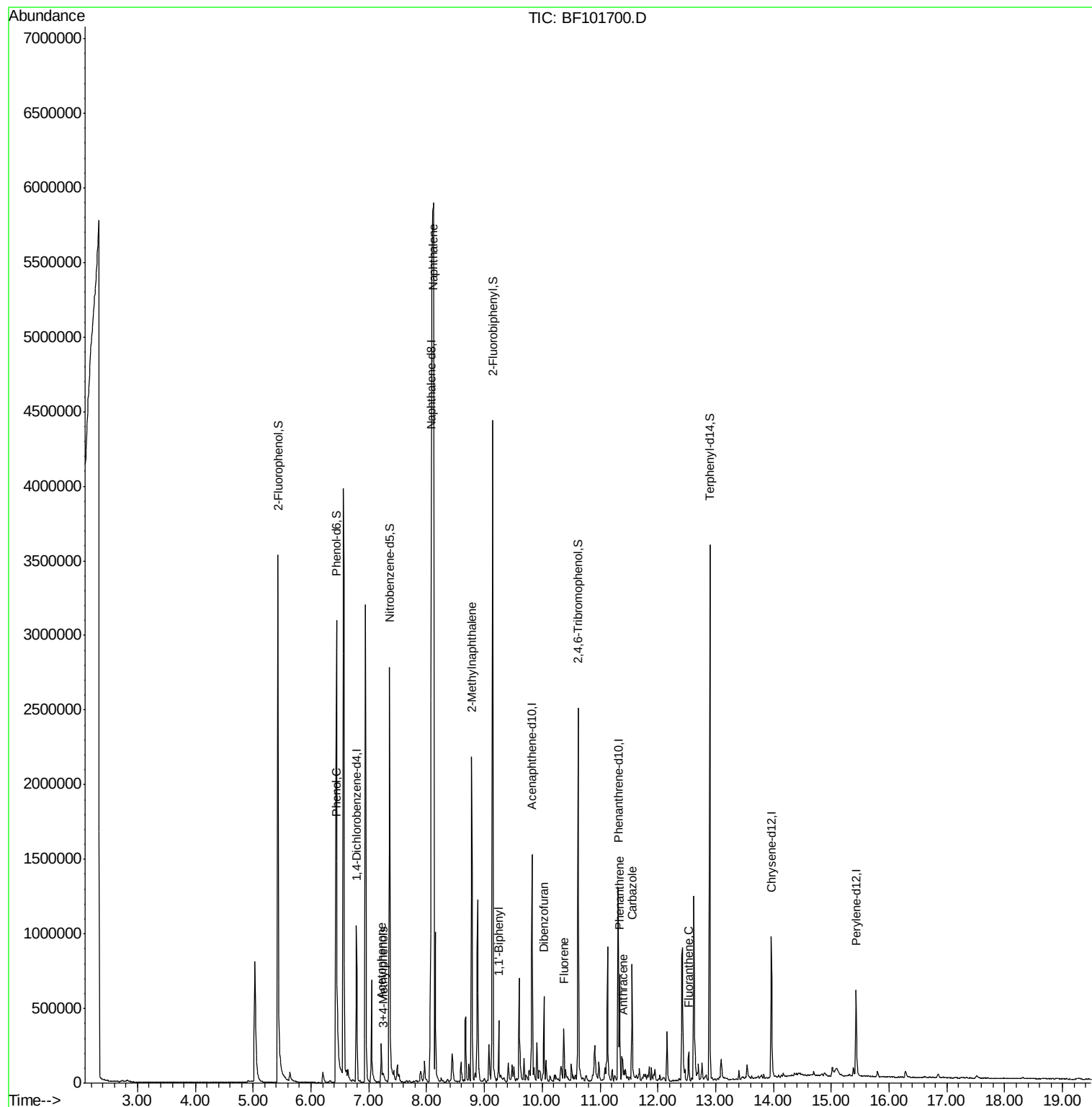
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF122217\
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Sample : I6847-03
Misc :
ALS Vial : 50 Sample Multiplier: 1

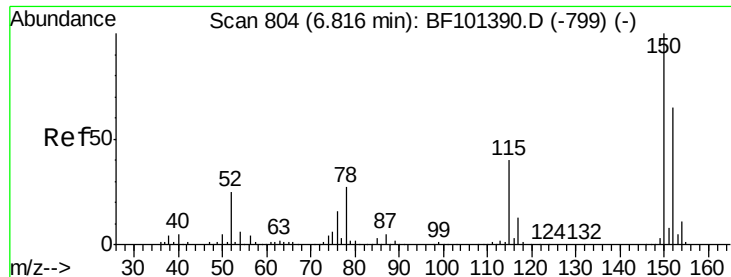
Instrument :
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#1

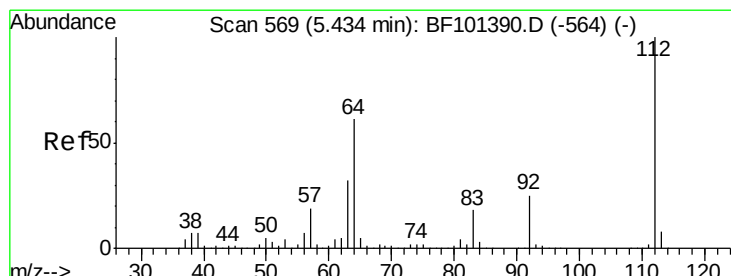
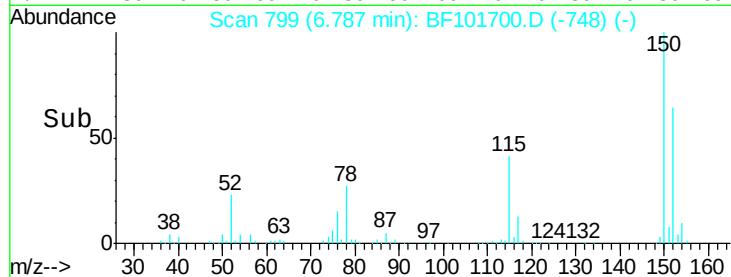
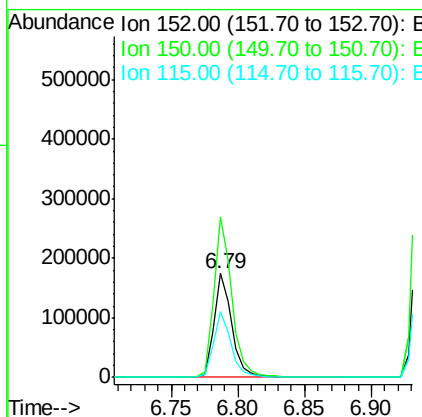
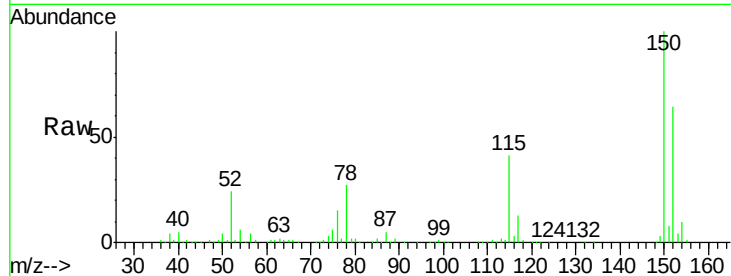
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. 0.00 min
Lab File: BF101700.D
Acq: 23 Dec 2017 13:32

Instrument :
BNA_F
ClientSampled :
WC-646507-01

Tgt Ion	Ratio	Lower	Upper
152	100		
150	155.2	124.6	186.8
115	63.4	50.1	75.1

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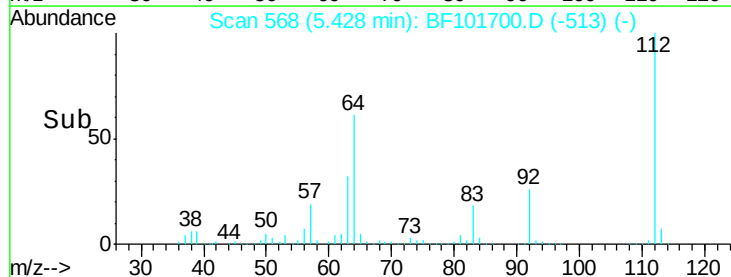
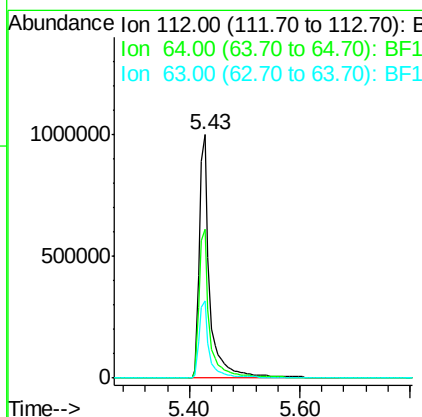
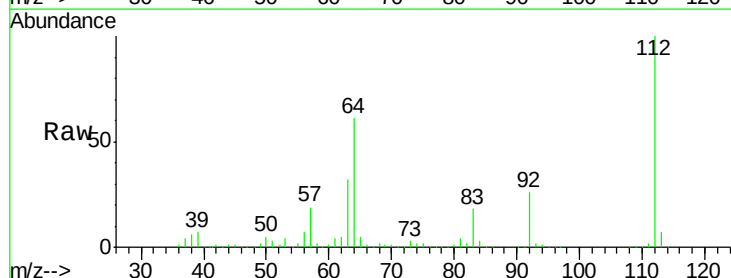
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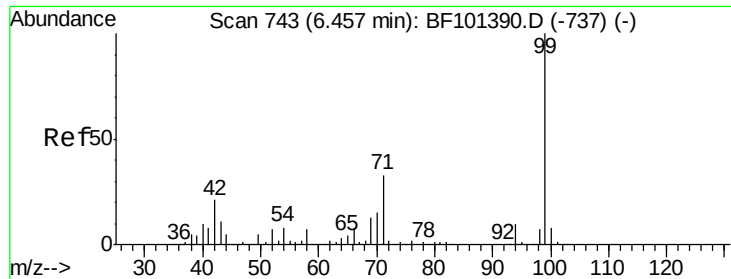


#5

2-Fluorophenol
Concen: 121.901 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.02 min
Lab File: BF101700.D
Acq: 23 Dec 2017 13:32

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.9	47.9	71.9
63	31.7	23.7	35.5





#7

Phenol-d6

Concen: 114.841 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF101700.D

Acq: 23 Dec 2017 13:32

Instrument :

BNA_F

ClientSampleId :

WC-646507-01

Tgt Ion: 99 Resp: 1570714

Ion Ratio Lower Upper

99 100

42 20.1 14.5 21.7

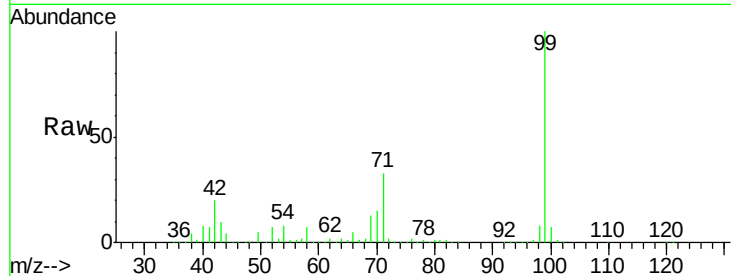
71 33.3 25.4 38.0

Manual Integrations

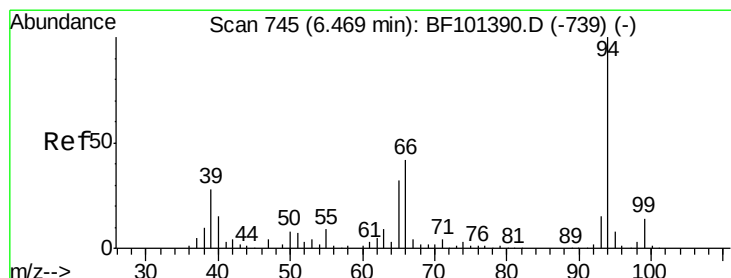
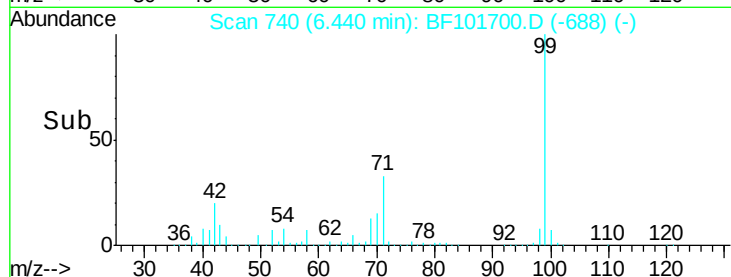
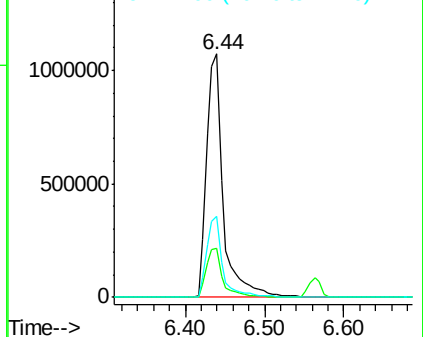
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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 3.156 ng m

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF101700.D

Acq: 23 Dec 2017 13:32

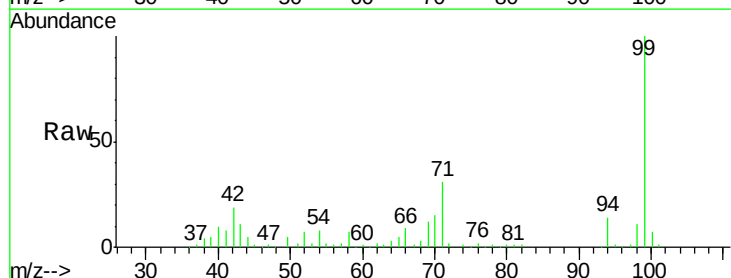
Tgt Ion: 94 Resp: 49201

Ion Ratio Lower Upper

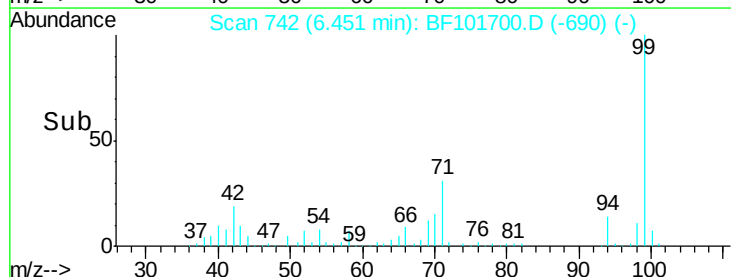
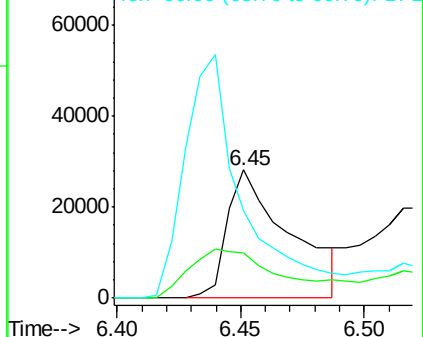
94 100

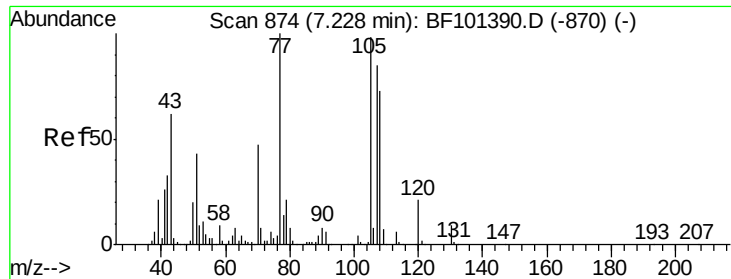
65 35.8 7.9 47.9

66 68.4 16.2 56.2#



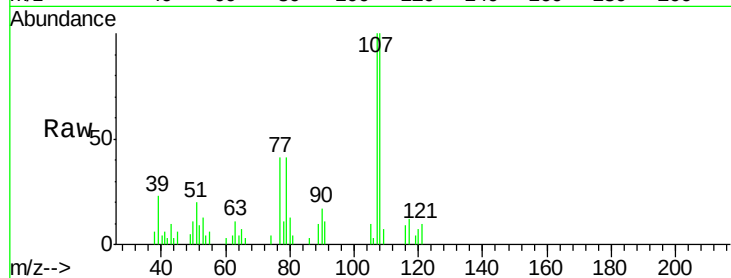
Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





#20
3+4-Methylphenols
Concen: 2.776 ng
RT: 7.25 min Scan# 878
Delta R.T. 0.04 min
Lab File: BF101700.D
Acq: 23 Dec 2017 13:32

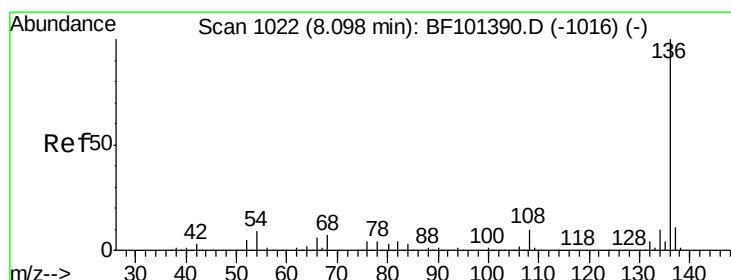
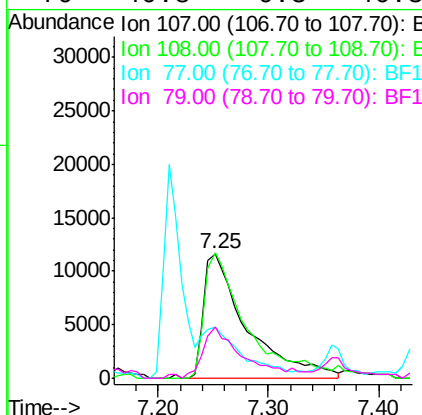
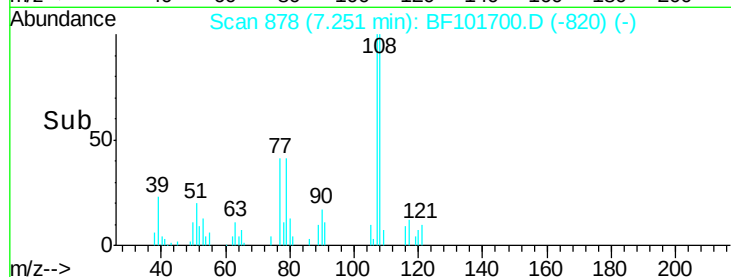
Instrument :
BNA_F
ClientSampleId :
WC-646507-01



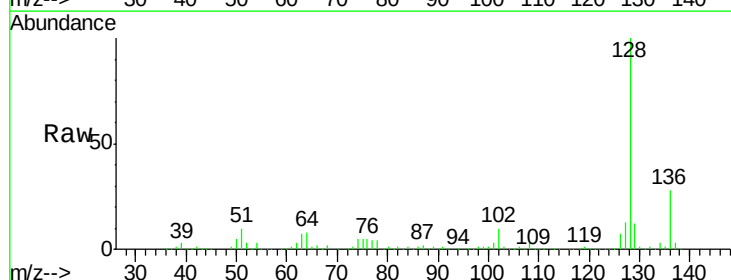
Tgt Ion	Ratio	Lower	Upper
107	100		
108	100.1	68.2	108.2
77	41.1	26.7	66.7
79	40.8	6.3	46.3

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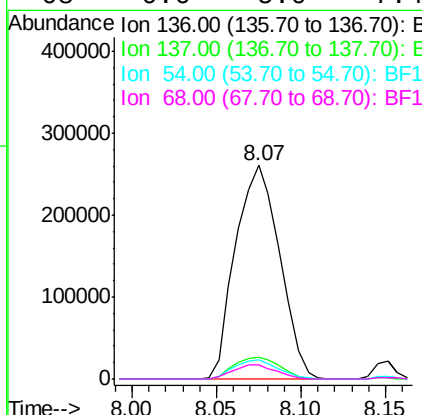
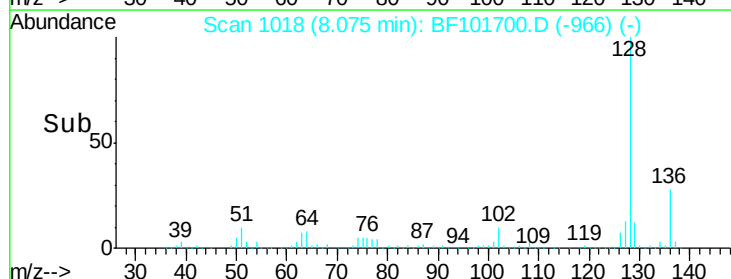
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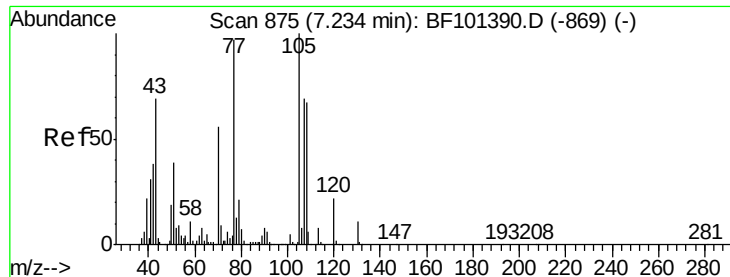


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. 0.01 min
Lab File: BF101700.D
Acq: 23 Dec 2017 13:32



Tgt Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	9.1	6.6	9.8
68	6.6	5.0	7.4





#22

Acetophenone

Concen: 2.815 ng

RT: 7.21 min Scan# 871

Delta R.T. 0.01 min

Lab File: BF101700.D

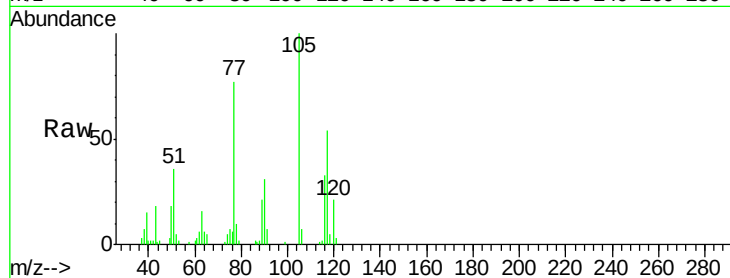
Acq: 23 Dec 2017 13:32

Instrument :

BNA_F

ClientSampleId :

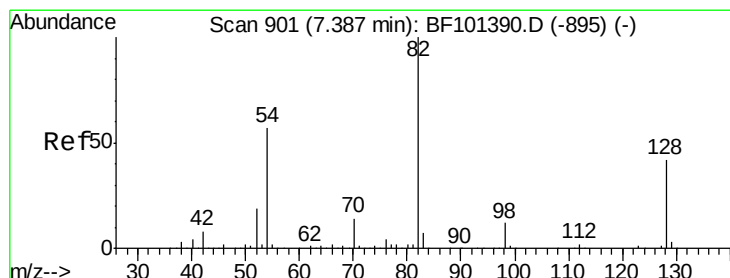
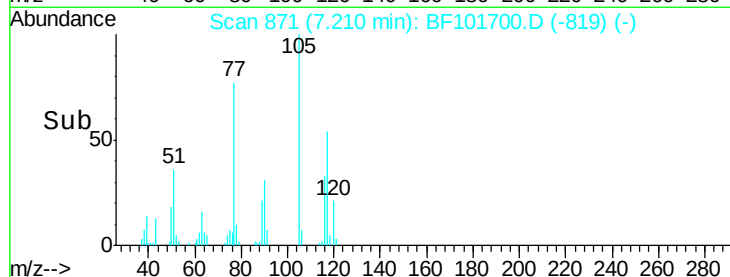
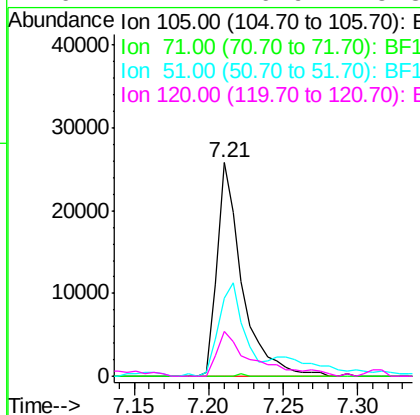
WC-646507-01



Tgt Ion:	105	Resp:	30433
Ion Ratio	Lower	Upper	
105	100		
71	0.0	4.4	6.6#
51	36.3	22.3	33.5#
120	21.1	16.9	25.3

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#23

Nitrobenzene-d5

Concen: 126.282 ng

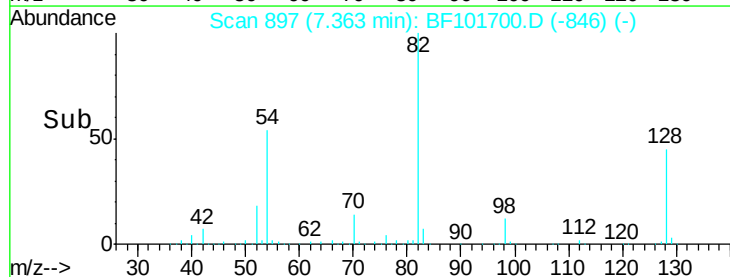
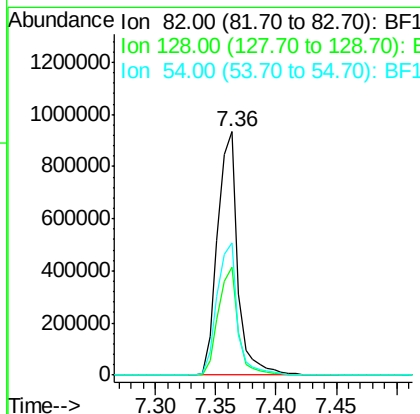
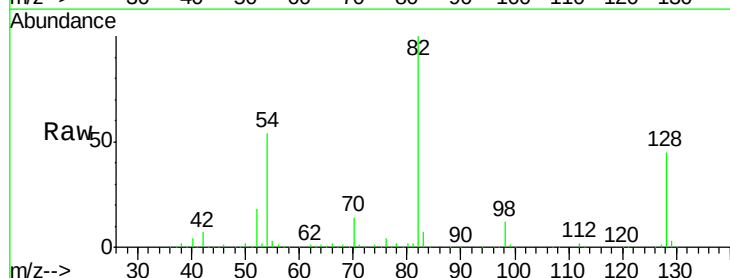
RT: 7.36 min Scan# 897

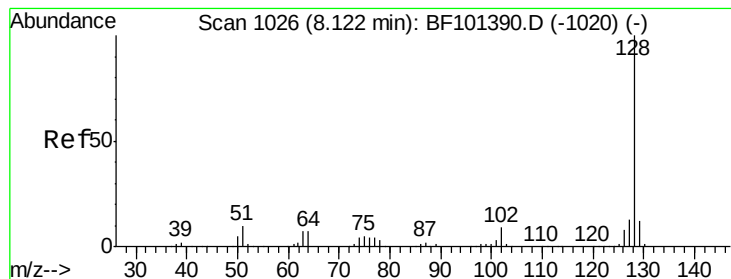
Delta R.T. 0.00 min

Lab File: BF101700.D

Acq: 23 Dec 2017 13:32

Tgt Ion:	82	Resp:	1074725
Ion Ratio	Lower	Upper	
82	100		
128	44.5	36.1	54.1
54	54.5	41.4	62.2





#31

Naphthalene

Concen: 316.631 ng

RT: 8.10 min Scan# 1023

Delta R.T. 0.01 min

Lab File: BF101700.D

Acq: 23 Dec 2017 13:32

Instrument :

BNA_F

ClientSampleId :

WC-646507-01

Tgt Ion:128 Resp: 7551664

Ion Ratio Lower Upper

128 100

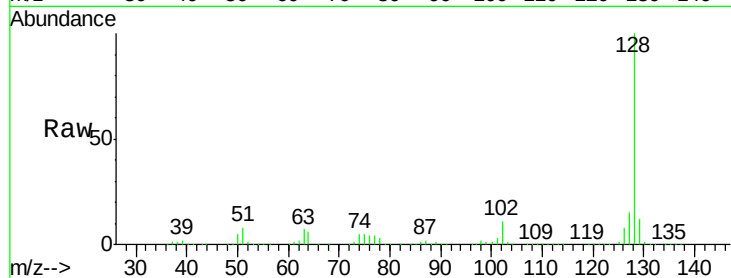
129 12.0 8.8 13.2

127 14.5 10.9 16.3

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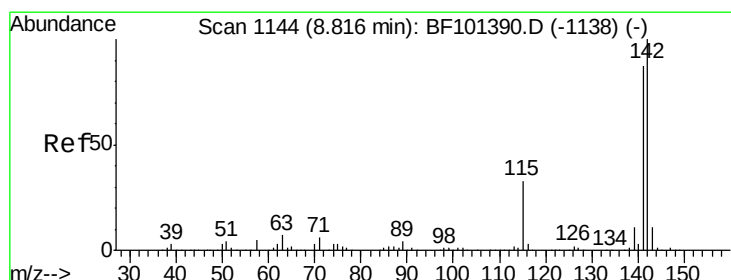
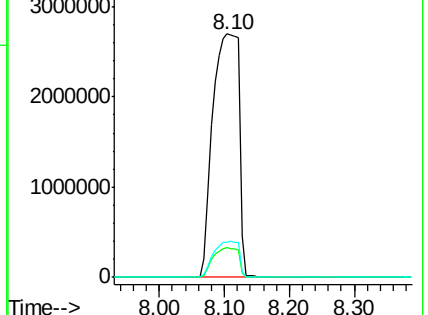
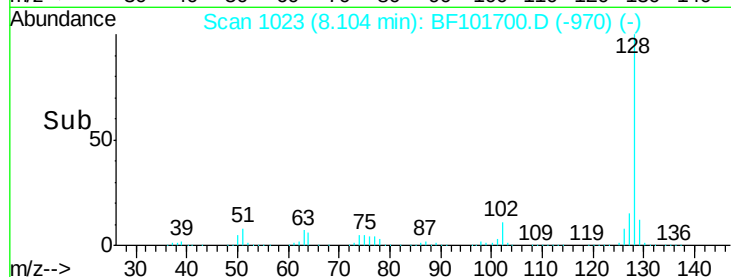
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#37

2-Methylnaphthalene

Concen: 37.858 ng

RT: 8.78 min Scan# 1138

Delta R.T. -0.01 min

Lab File: BF101700.D

Acq: 23 Dec 2017 13:32

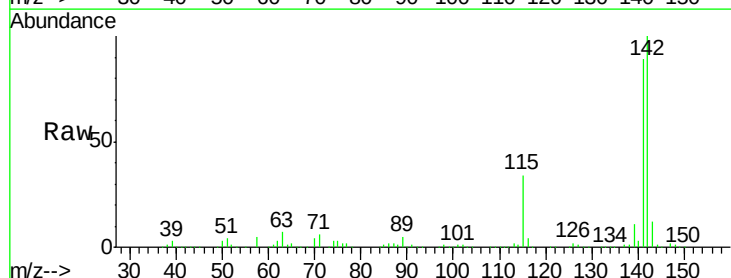
Tgt Ion:142 Resp: 588262

Ion Ratio Lower Upper

142 100

141 88.8 70.8 106.2

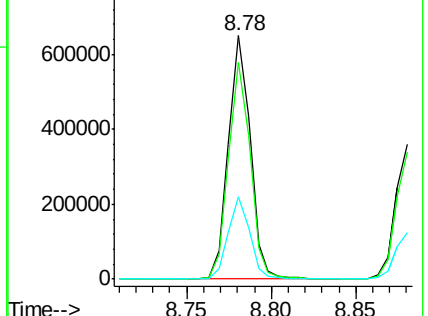
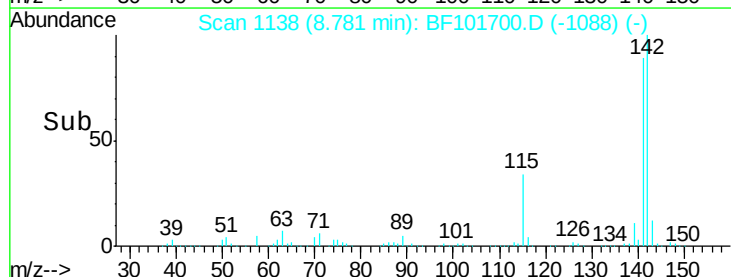
115 33.6 26.1 39.1

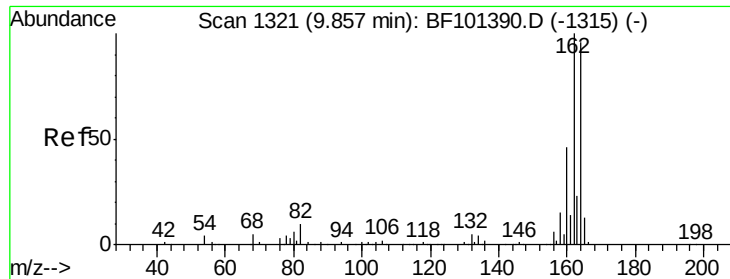


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E





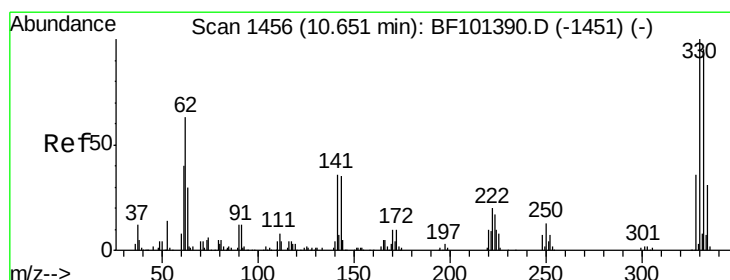
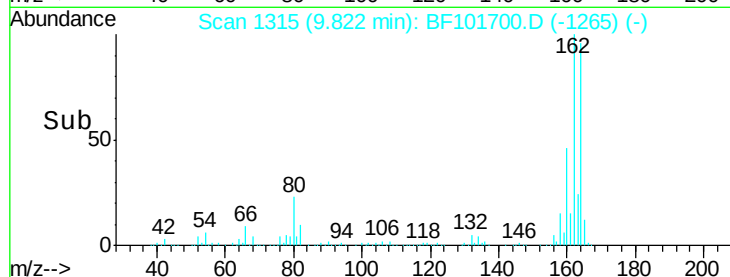
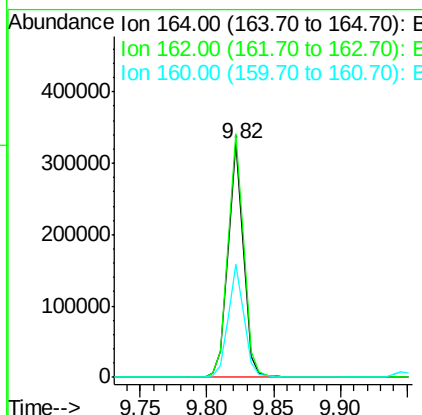
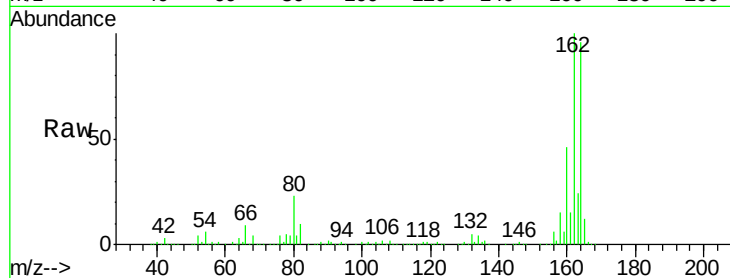
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.82 min Scan# 1315
Delta R.T. -0.01 min
Lab File: BF101700.D
Acq: 23 Dec 2017 13:32

Instrument :
BNA_F
ClientSampleId :
WC-646507-01

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	271698		
162	104.0	86.1	129.1	
160	48.1	38.3	57.5	

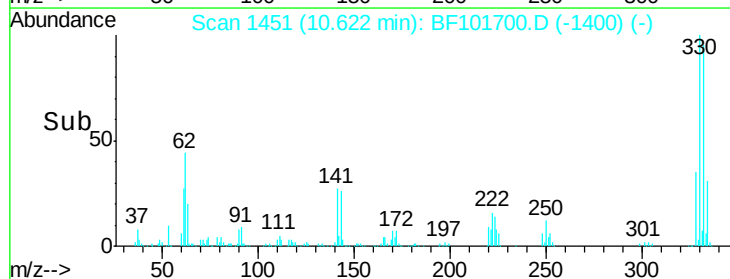
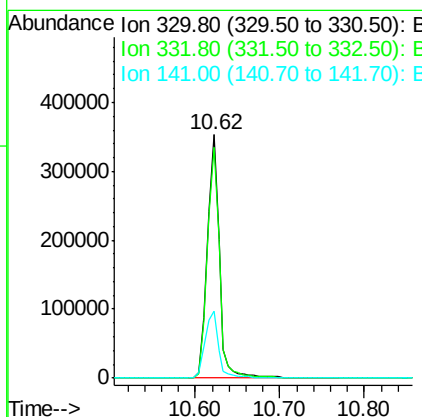
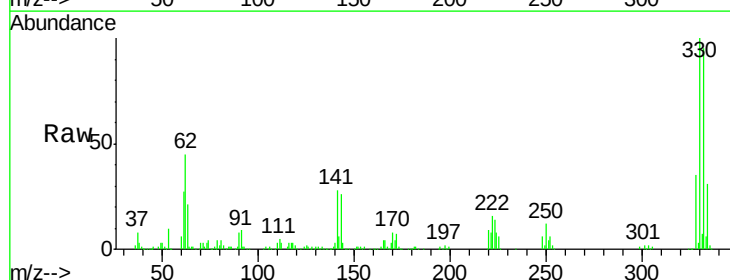
Manual Integrations
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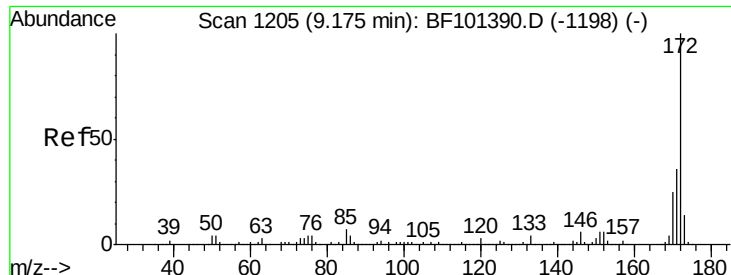
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#41
2,4,6-Tribromophenol
Concen: 134.719 ng
RT: 10.62 min Scan# 1451
Delta R.T. 0.00 min
Lab File: BF101700.D
Acq: 23 Dec 2017 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	352698		
332	96.1	77.0	115.6	
141	30.9	29.9	44.9	





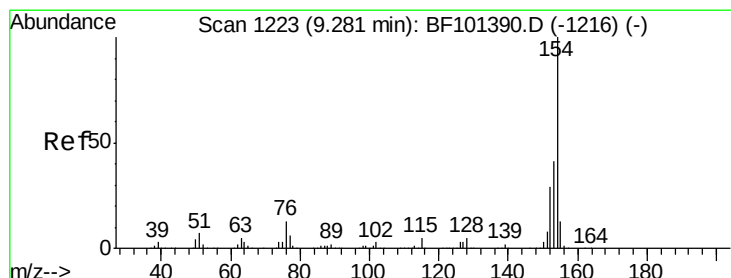
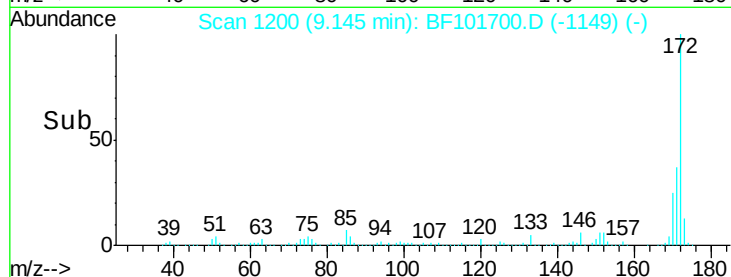
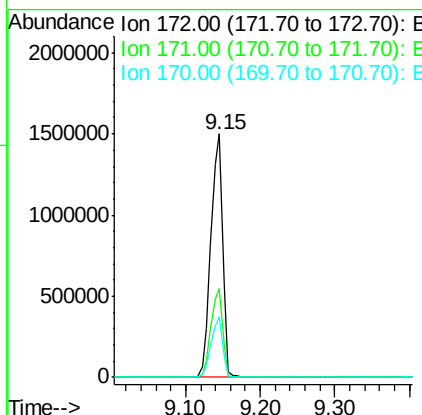
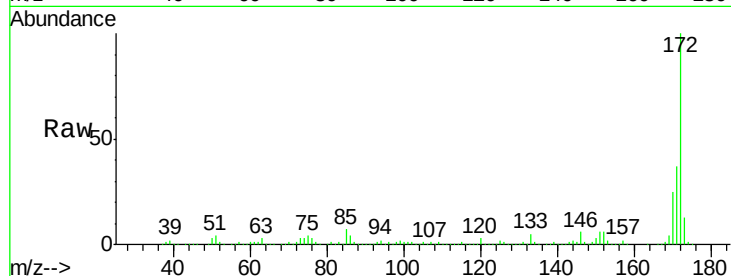
#44
 2-Fluorobiphenyl
 Concen: 93.408 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: BF101700.D
 Acq: 23 Dec 2017 13:32

Instrument :
 BNA_F
 ClientSampleId :
 WC-646507-01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	25.0	19.6	29.4

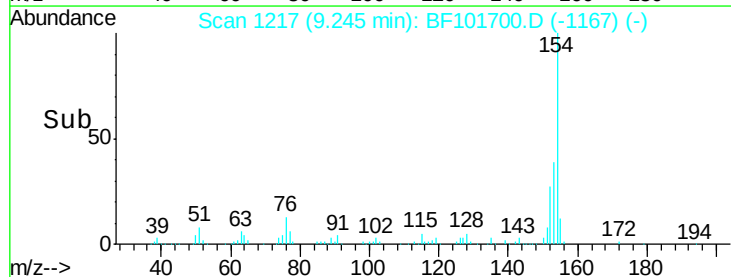
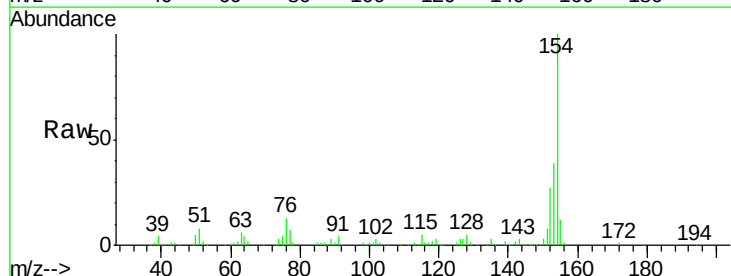
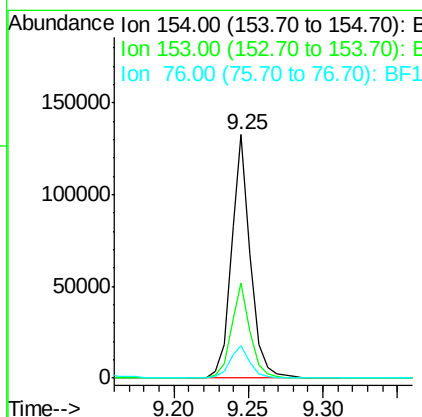
Manual Integrations
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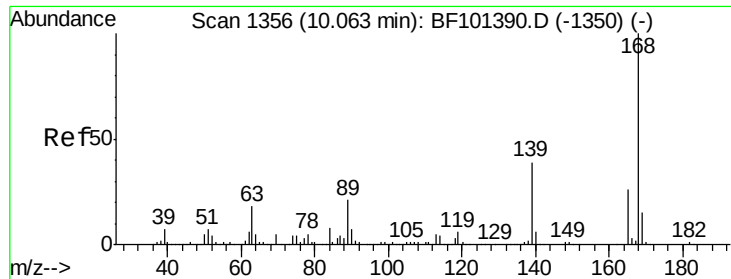
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#45
 1,1'-Biphenyl
 Concen: 4.900 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: BF101700.D
 Acq: 23 Dec 2017 13:32

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.2	21.3	61.3
76	13.1	0.0	34.0





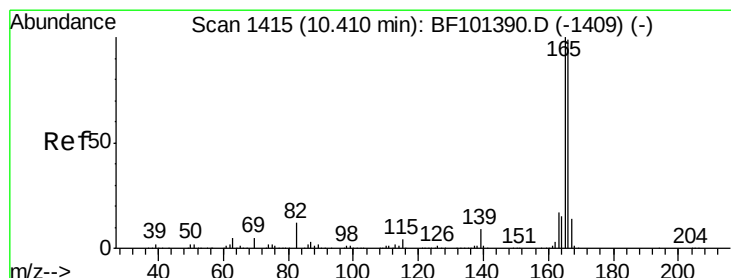
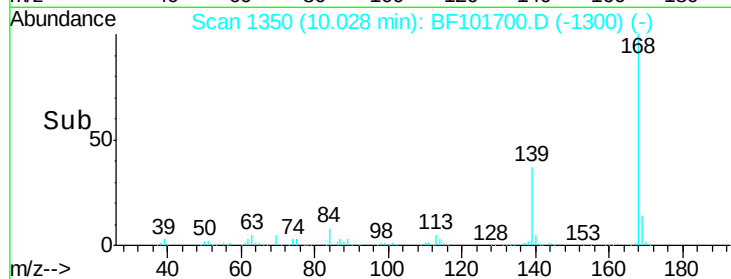
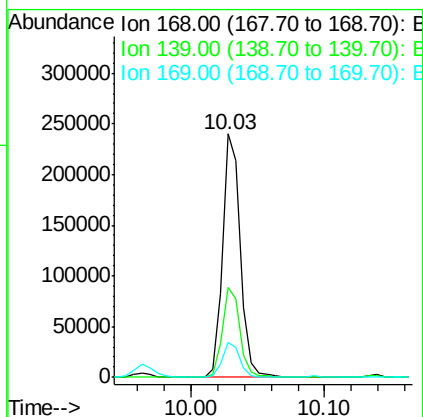
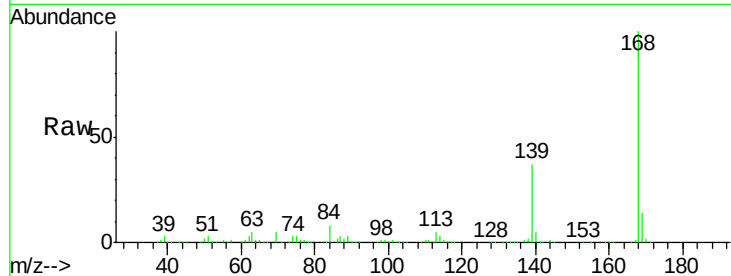
#54
Dibenzenofuran
Concen: 10.188 ng
RT: 10.03 min Scan# 1350
Delta R.T. -0.01 min
Lab File: BF101700.D
Acq: 23 Dec 2017 13:32

Instrument :
BNA_F
ClientSampleId :
WC-646507-01

Tgt Ion	Ratio	Resp	Lower	Upper
168	100	226527		
139	36.9	30.1	45.1	
169	14.4	10.9	16.3	

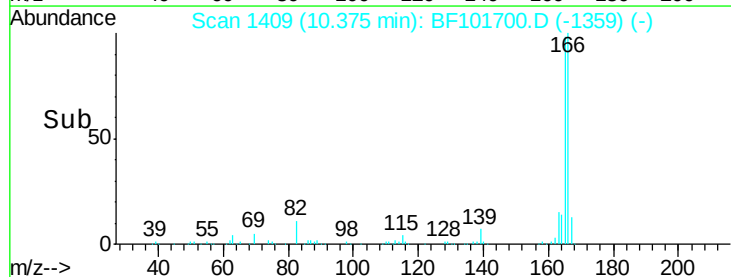
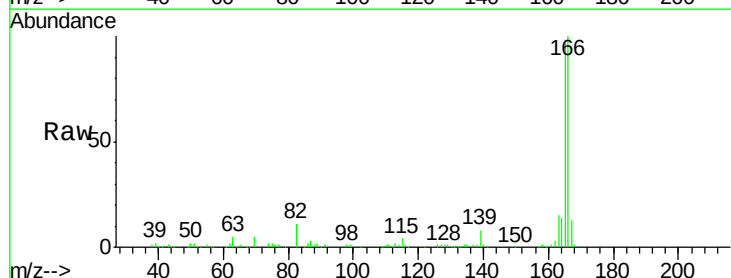
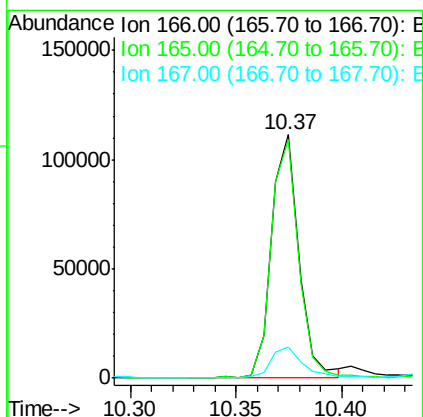
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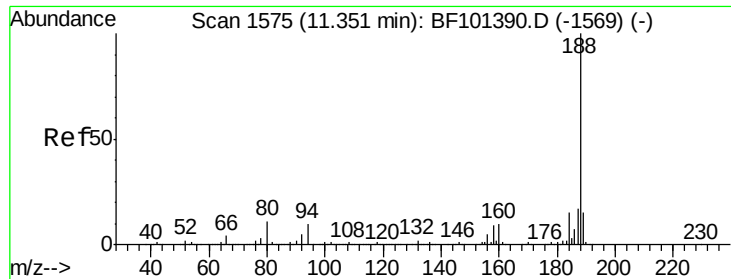
Sohil
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#57
Fluorene
Concen: 5.363 ng
RT: 10.37 min Scan# 1409
Delta R.T. -0.01 min
Lab File: BF101700.D
Acq: 23 Dec 2017 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	100863		
165	98.2	79.8	119.8	
167	13.0	10.6	16.0	





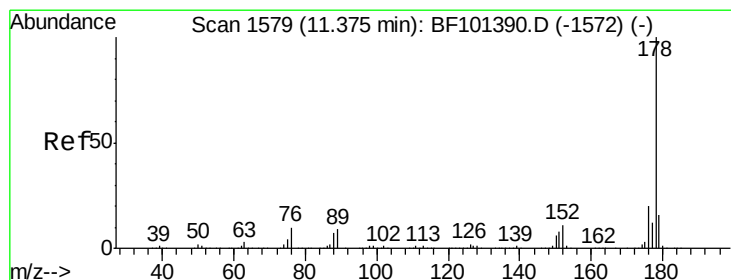
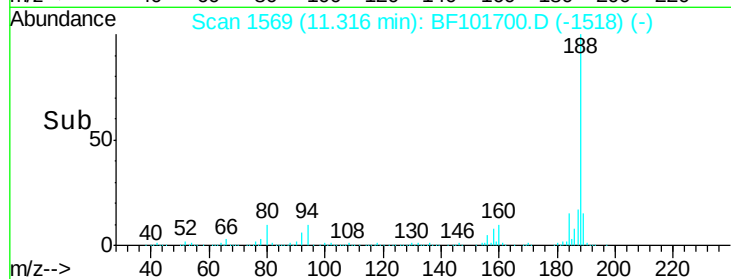
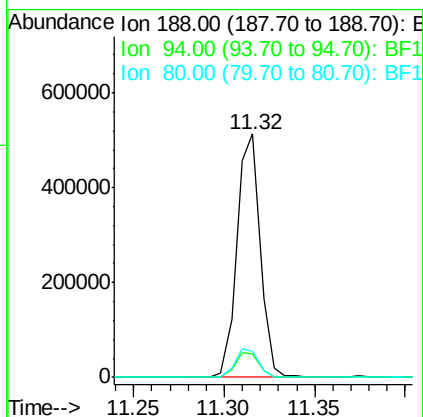
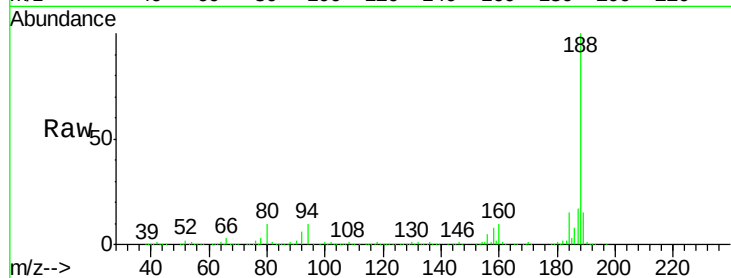
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. 0.00 min
Lab File: BF101700.D
Acq: 23 Dec 2017 13:32

Instrument :
BNA_F
ClientSampleId :
WC-646507-01

Tgt Ion	Ratio	Resp Lower	Upper
188	100		
94	9.9	8.5	12.7
80	10.5	9.2	13.8

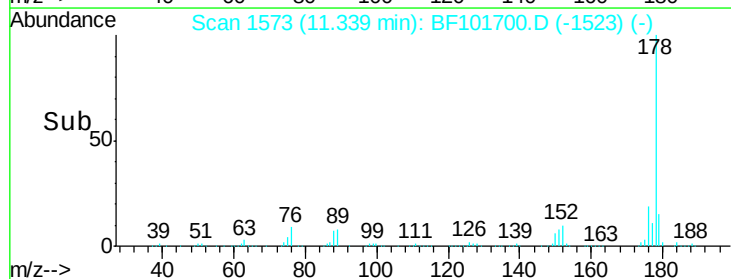
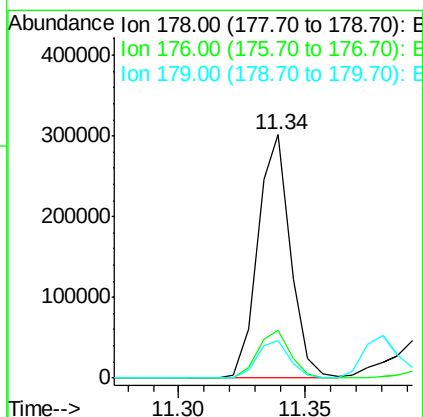
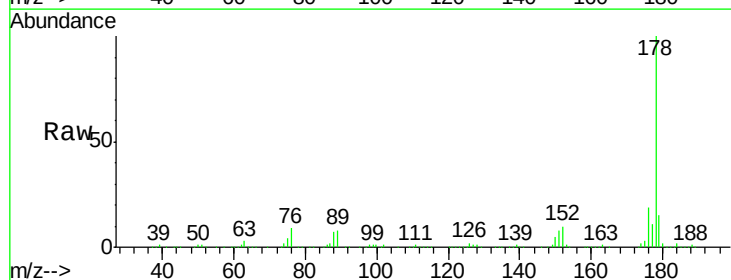
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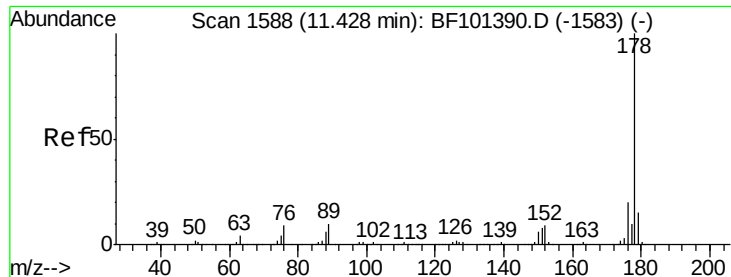
Sohil
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#70
Phenanthrene
Concen: 10.631 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF101700.D
Acq: 23 Dec 2017 13:32

Tgt Ion	Ratio	Resp Lower	Upper
178	100		
176	19.5	15.8	23.8
179	15.4	13.0	19.6





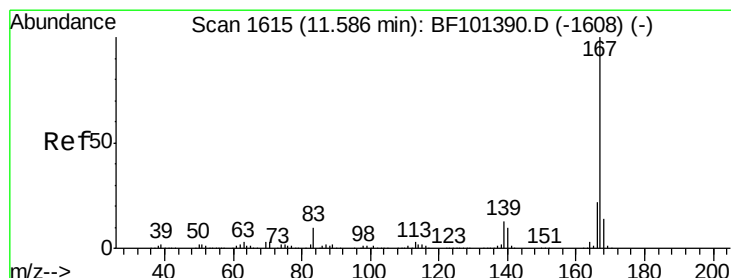
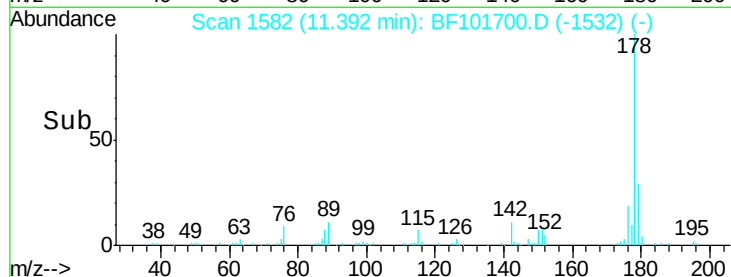
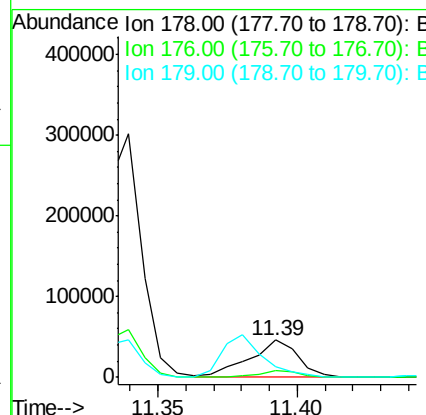
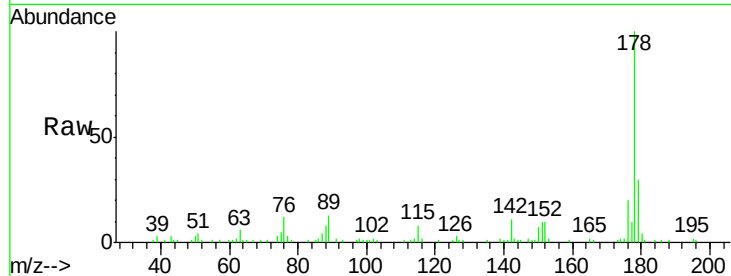
#71
 Anthracene
 Concen: 2.052 ng m
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: BF101700.D
 Acq: 23 Dec 2017 13:32

Instrument :
 BNA_F
 ClientSampleId :
 WC-646507-01

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.4	23.2
179	29.9	12.6	19.0

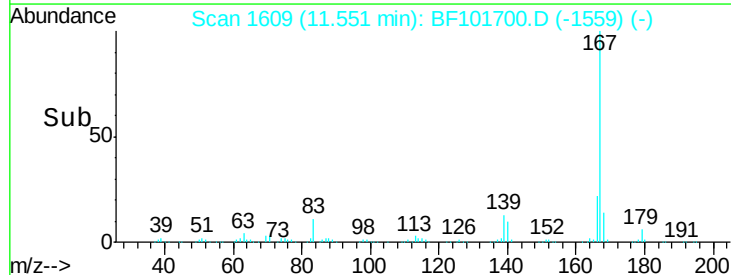
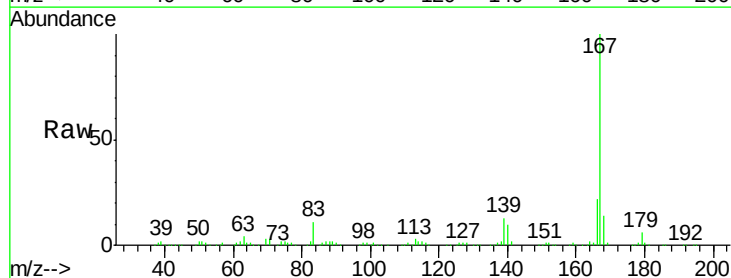
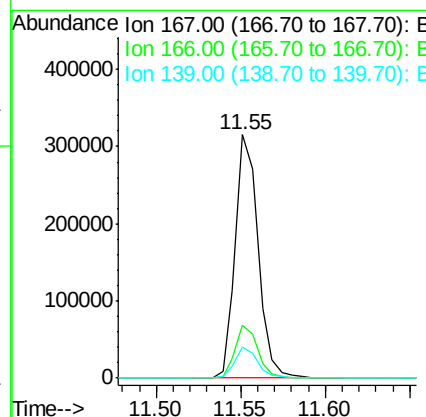
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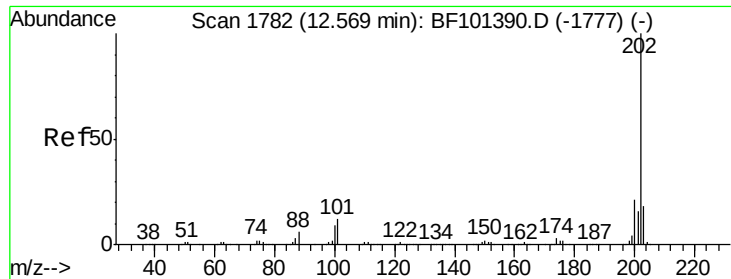
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#72
 Carbazole
 Concen: 12.141 ng
 RT: 11.55 min Scan# 1609
 Delta R.T. -0.01 min
 Lab File: BF101700.D
 Acq: 23 Dec 2017 13:32

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.6	26.4
139	12.8	10.9	16.3





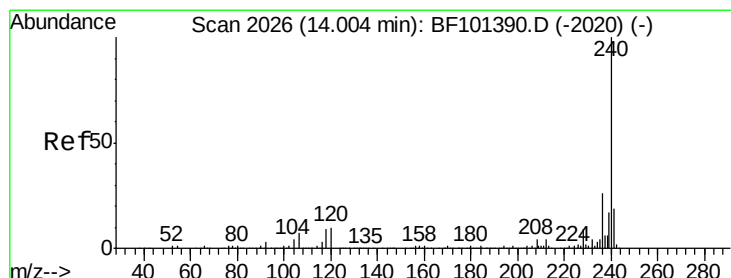
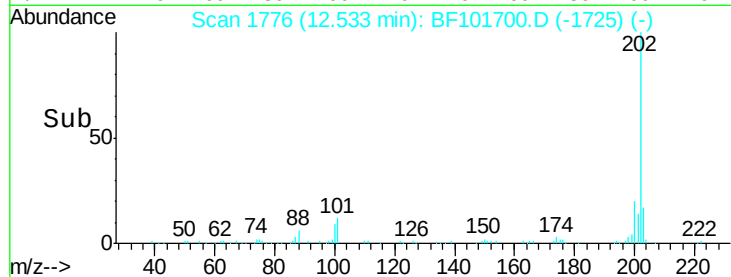
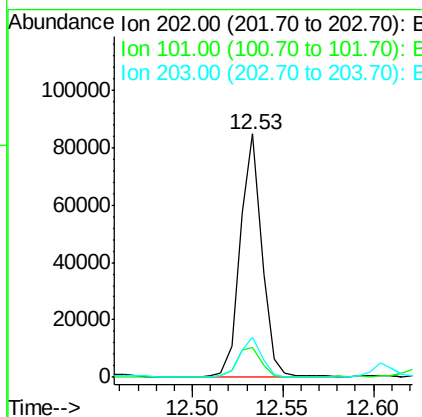
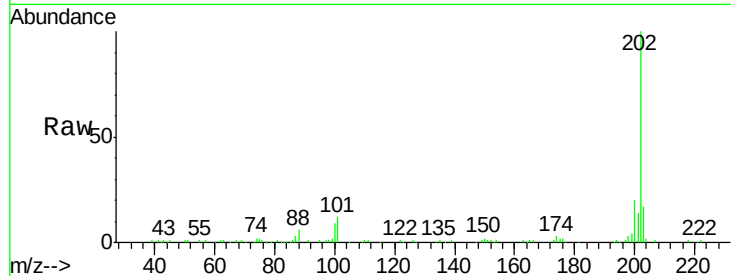
#74
Fluoranthene
Concen: 2.641 ng
RT: 12.53 min Scan# 1776
Delta R.T. 0.00 min
Lab File: BF101700.D
Acq: 23 Dec 2017 13:32

Instrument :
BNA_F
ClientSampleId :
WC-646507-01

Tgt Ion	Ratio	Resp Lower	Upper
202	100		
101	12.1	0.0	34.1
203	16.7	0.0	38.1

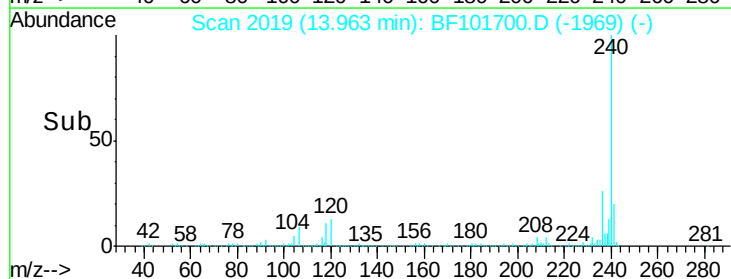
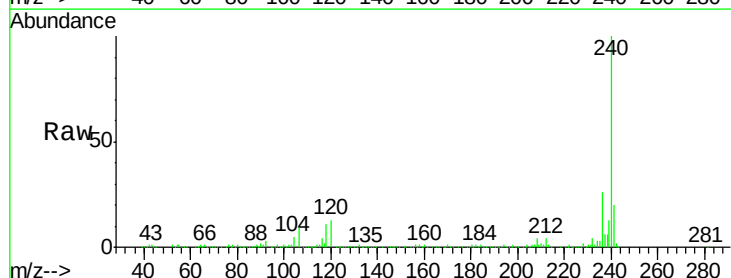
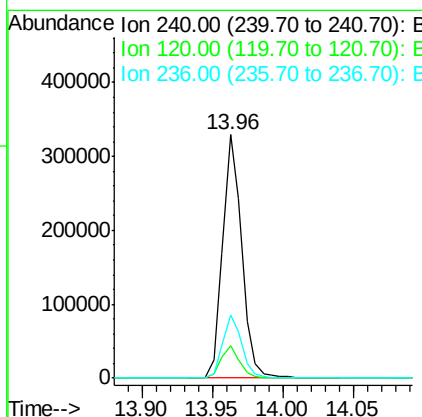
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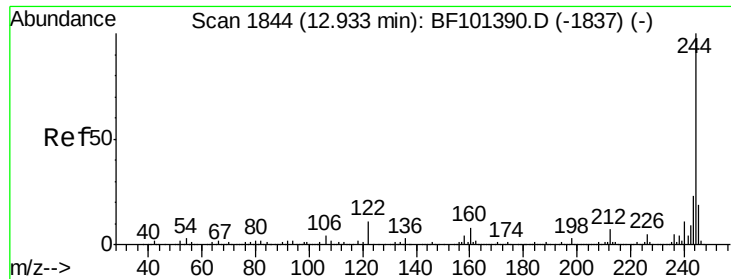
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#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF101700.D
Acq: 23 Dec 2017 13:32

Tgt Ion	Ratio	Resp Lower	Upper
240	100		
120	13.2	9.5	14.3
236	26.1	20.7	31.1





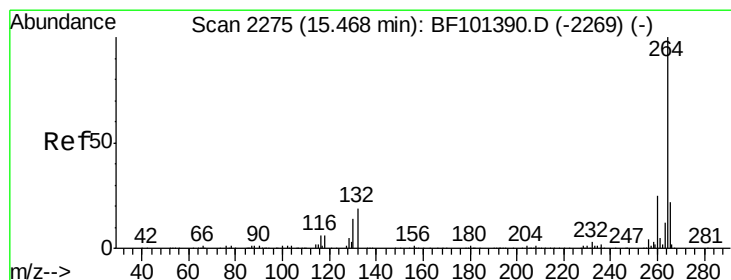
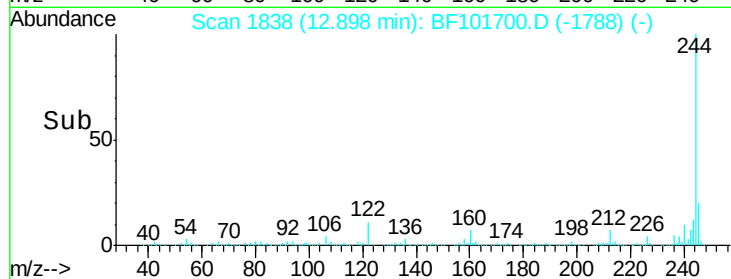
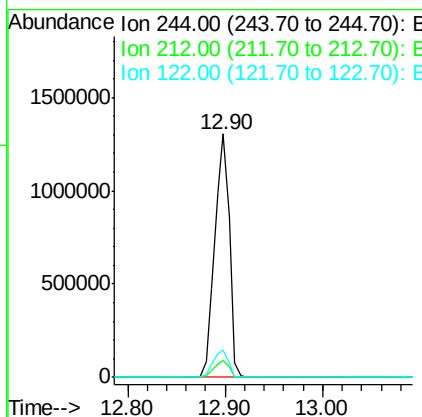
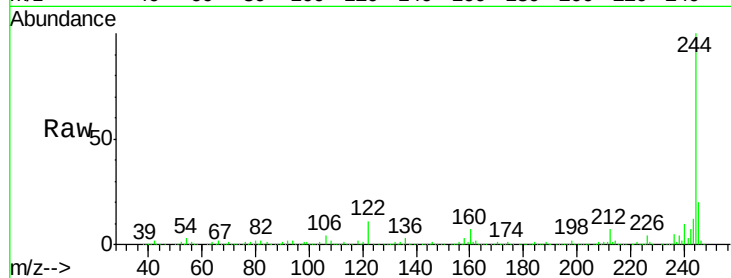
#78
 Terphenyl-d14
 Concen: 104.662 ng
 RT: 12.90 min Scan# 1838
 Delta R.T. -0.01 min
 Lab File: BF101700.D
 Acq: 23 Dec 2017 13:32

Instrument :
 BNA_F
 ClientSampleId :
 WC-646507-01

Tgt Ion:244 Resp: 1351108
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.4 8.0
 122 11.0 11.0 16.4

Manual Integrations
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#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2268
 Delta R.T. 0.00 min
 Lab File: BF101700.D
 Acq: 23 Dec 2017 13:32

Tgt Ion:264 Resp: 301173
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.2 28.8
 265 21.6 17.5 26.3

