

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032318\
 Data File : BF103874.D
 Acq On : 23 Mar 2018 12:34
 Operator : JU/SJ
 Sample : J1998-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-102(3-4)

Manual Integrations
 APPROVED

Sohil
 3/26/2018 4:32:49 PM

Quant Time: Mar 23 14:16:20 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 13:26:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	158953	20.00	ng	0.00
21) Naphthalene-d8	8.26	136	664882	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	303843	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	520250	20.00	ng	0.00
75) Chrysene-d12	14.16	240	322216	20.00	ng	0.00
86) Perylene-d12	15.71	264	329546	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	1165397	111.51	ng	0.01
7) Phenol-d6	6.60	99	1470103	114.98	ng	0.00
23) Nitrobenzene-d5	7.54	82	912763	95.73	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	366792	140.40	ng	0.00
44) 2-Fluorobiphenyl	9.33	172	1456818	76.48	ng	0.00
78) Terphenyl-d14	13.10	244	1203490	86.70	ng	0.00
Target Compounds						
31) Naphthalene	8.27	128	202185	6.020	ng	99
37) 2-Methylnaphthalene	8.96	142	79092	3.713	ng	98
48) Acenaphthylene	9.87	152	230662	7.392	ng	99
49) Dimethylphthalate	9.72	163	153123	6.605	ng	100
51) Acenaphthene	10.05	154	51589	2.784	ng	97
57) Fluorene	10.56	166	116597	5.678	ng	100
70) Phenanthrene	11.53	178	890216	31.281	ng	100
71) Anthracene	11.59	178	308373	10.669	ng	99
74) Fluoranthene	12.73	202	1217191	41.515	ng	98
77) Pyrene	12.96	202	1196674	50.571	ng	100
80) Benzo(a)anthracene	14.15	228	618674m	30.333	ng	
82) Chrysene	14.19	228	529713	27.245	ng	97
85) Indeno(1,2,3-cd)pyrene	17.29	276	303666m	17.885	ng	
87) Benzo(b)fluoranthene	15.25	252	674146m	32.380	ng	
88) Benzo(k)fluoranthene	15.27	252	207213m	10.354	ng	
89) Benzo(a)pyrene	15.64	252	522094	27.648	ng	97
90) Dibenzo(a,h)anthracene	17.30	278	81302	4.972	ng	93
91) Benzo(g,h,i)perylene	17.77	276	285928	17.974	ng	96

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

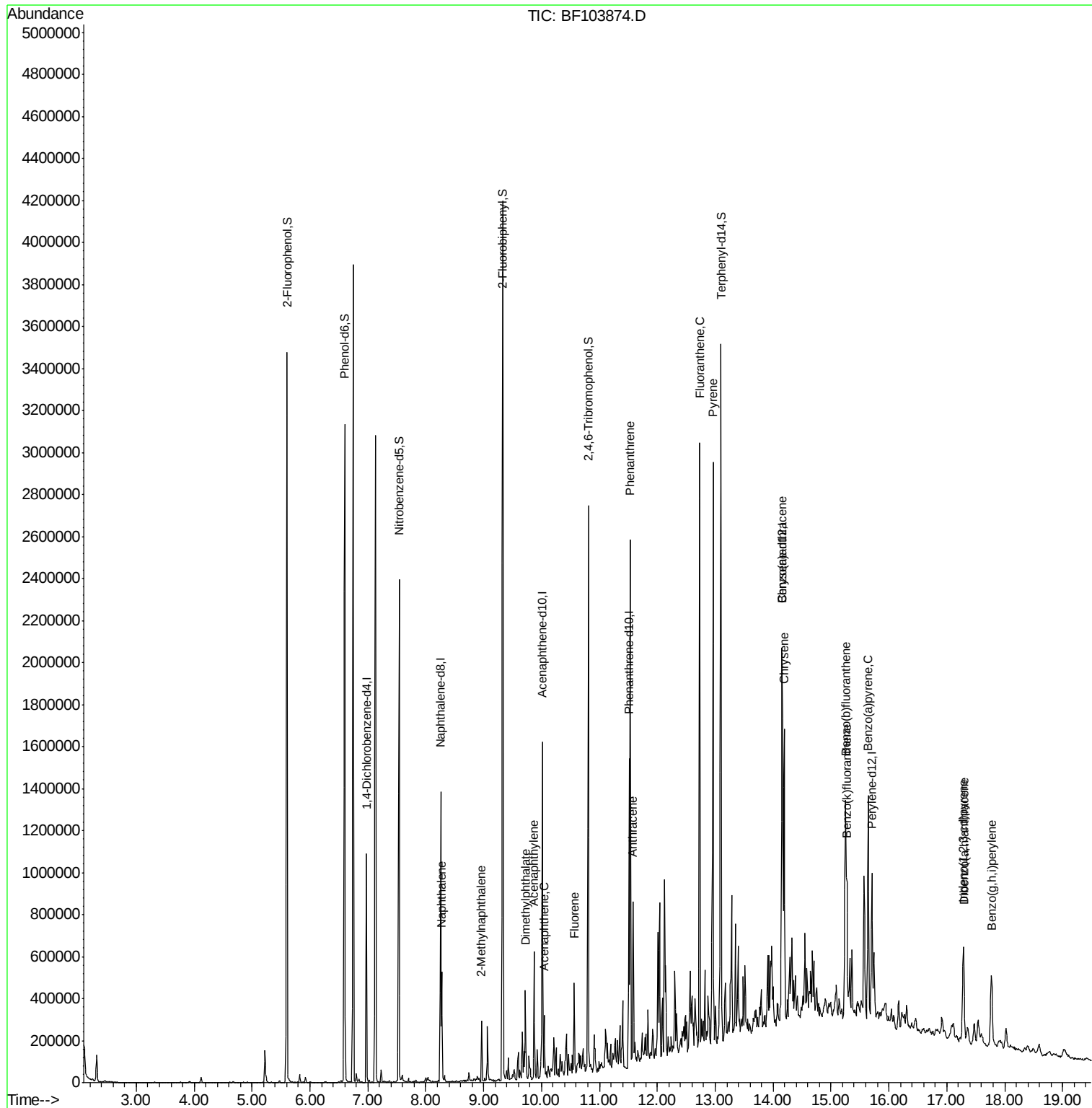
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032318\
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Sample : J1998-01
Misc :
ALS Vial : 10 Sample Multiplier: 1

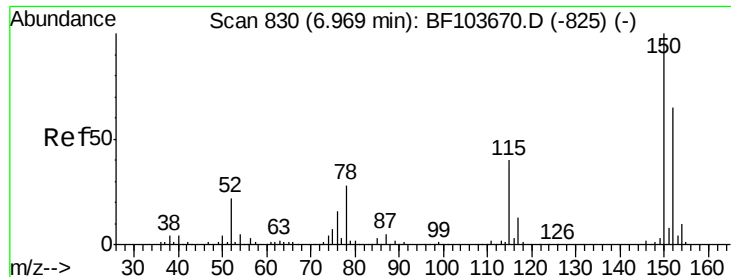
Instrument :
BNA_F
ClientSampleId :
MW-102(3-4)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

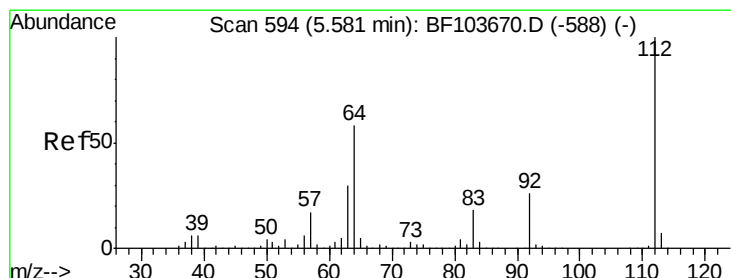
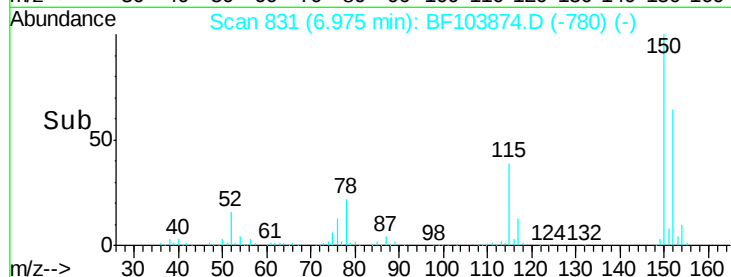
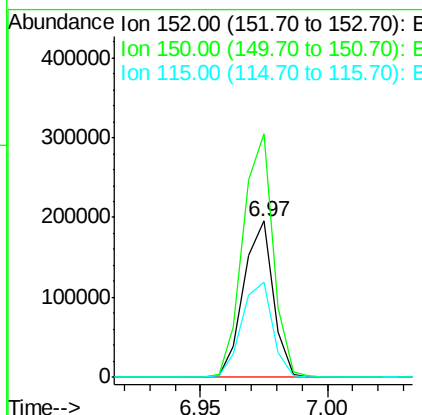
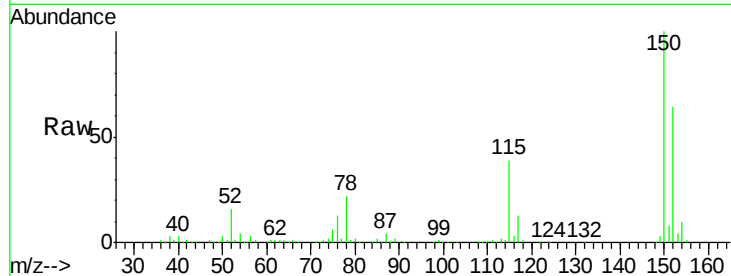
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 831
Delta R.T. -0.00 min
Lab File: BF103874.D
Acq: 23 Mar 2018 12:34

Instrument :
BNA_F
ClientSampleId :
MW-102(3-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	124.6	186.8
115	60.4	50.1	75.1

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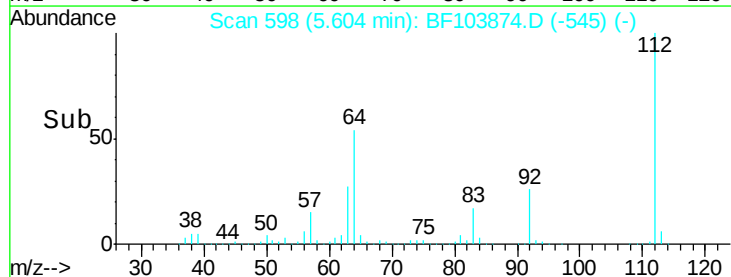
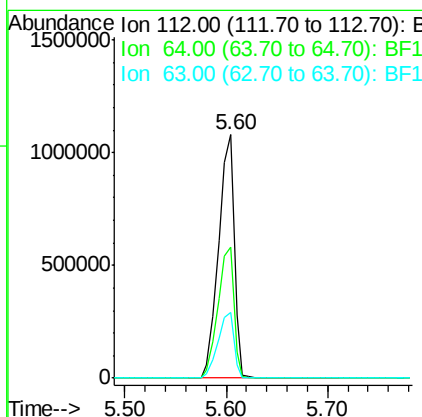
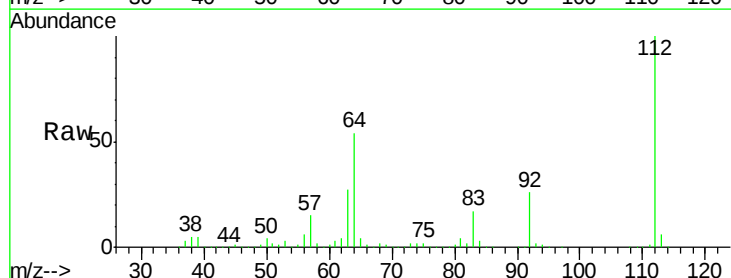
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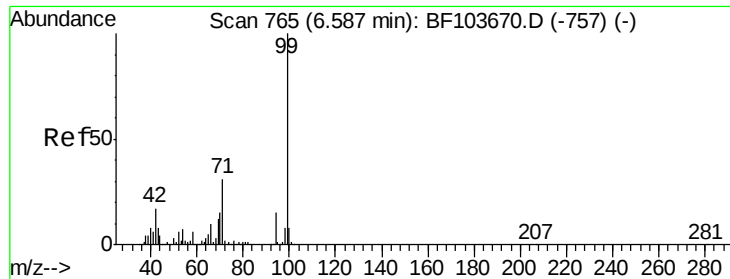


#5

2-Fluorophenol
Concen: 111.515 ng
RT: 5.60 min Scan# 598
Delta R.T. 0.01 min
Lab File: BF103874.D
Acq: 23 Mar 2018 12:34

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.9	47.9	71.9
63	27.0	23.7	35.5





#7

Phenol-d6

Concen: 114.981 ng

RT: 6.60 min Scan# 767

Delta R.T. -0.00 min

Lab File: BF103874.D

Acq: 23 Mar 2018 12:34

Instrument :

BNA_F

ClientSampleId :

MW-102(3-4)

Tot Ion: 99 Resp: 1470103

Ion Ratio Lower Upper

99 100

42 15.9 14.5 21.7

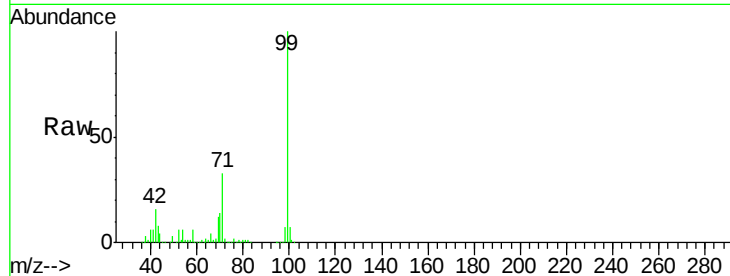
71 32.8 25.4 38.0

Manual Integrations

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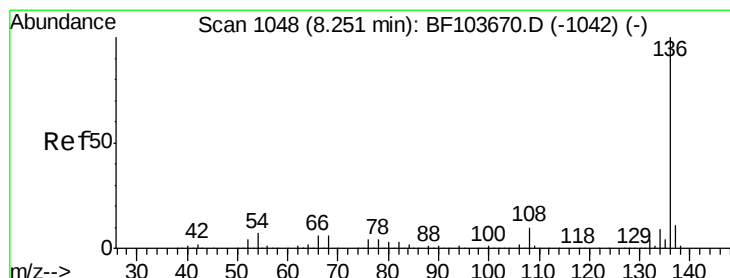
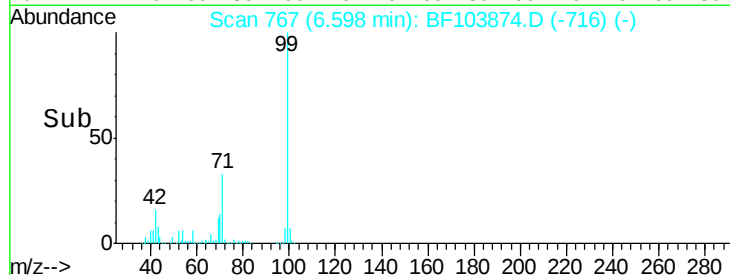
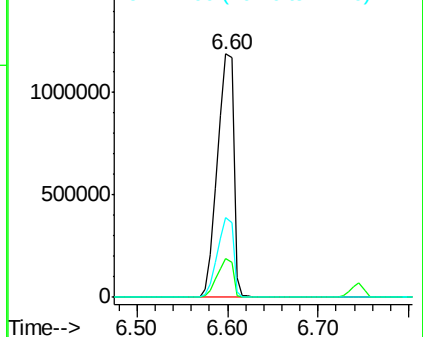
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.26 min Scan# 1049

Delta R.T. -0.00 min

Lab File: BF103874.D

Acq: 23 Mar 2018 12:34

Tgt Ion: 136 Resp: 664882

Ion Ratio Lower Upper

136 100

137 10.8 8.9 13.3

54 6.5 6.6 9.8#

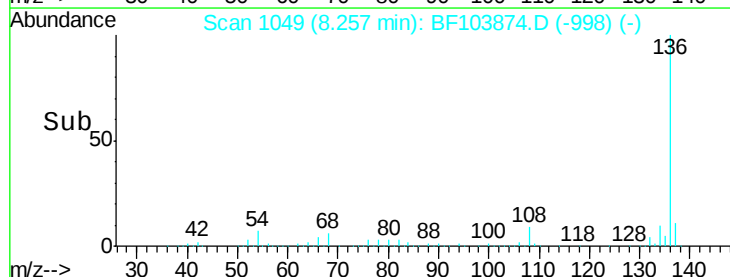
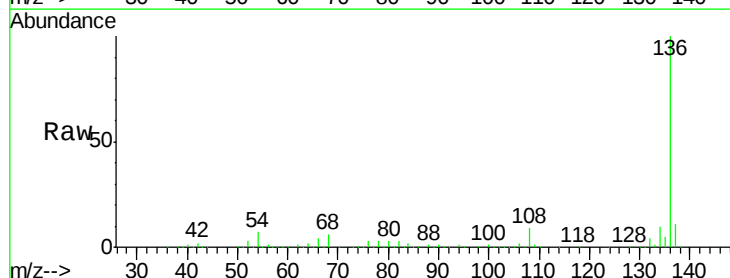
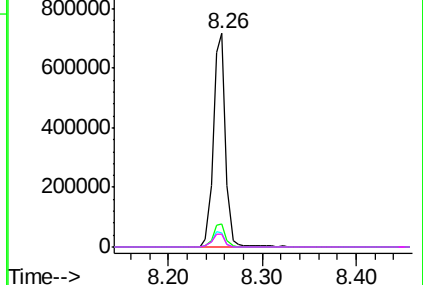
68 6.0 5.0 7.4

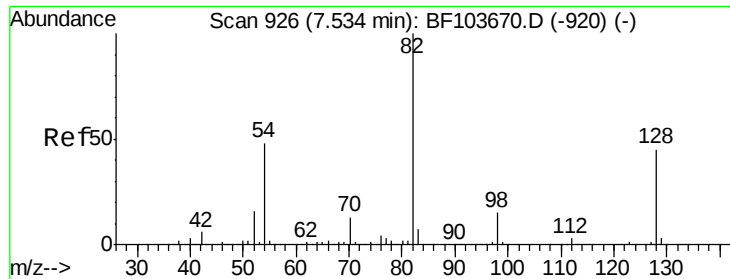
Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1





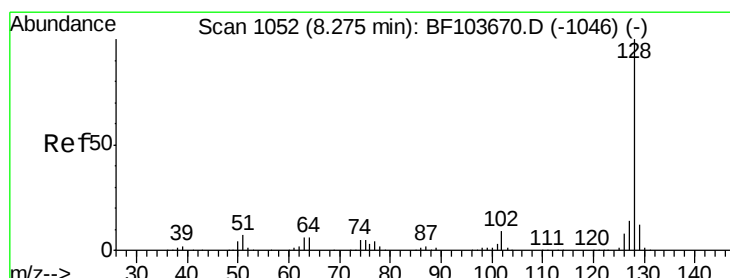
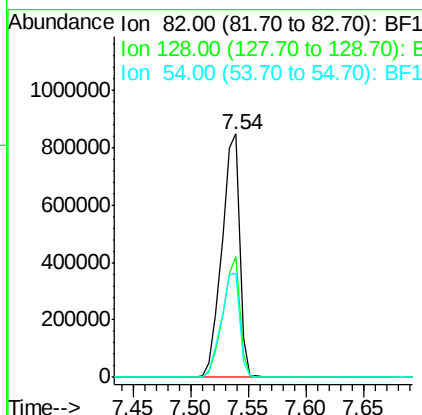
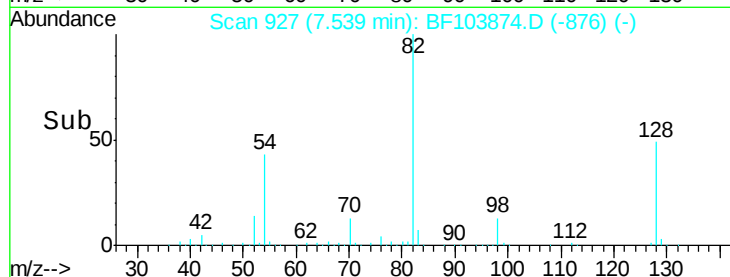
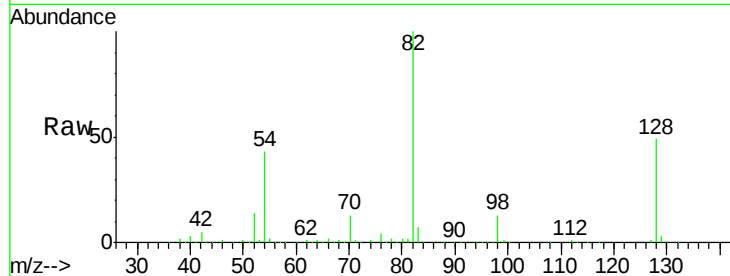
#23
Nitrobenzene-d5
Concen: 95.735 ng
RT: 7.54 min Scan# 927
Delta R.T. -0.00 min
Lab File: BF103874.D
Acq: 23 Mar 2018 12:34

Instrument :
BNA_F
ClientSampled :
MW-102(3-4)

Tot Ion	Ratio	Lower	Upper
82	100		
128	49.4	36.1	54.1
54	42.9	41.4	62.2

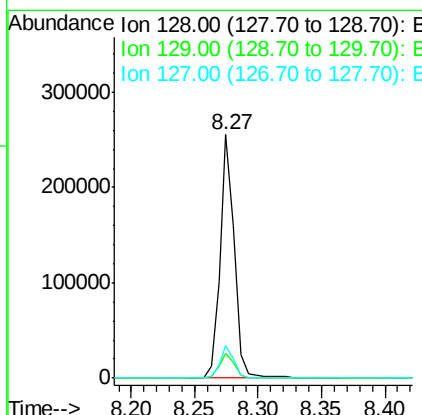
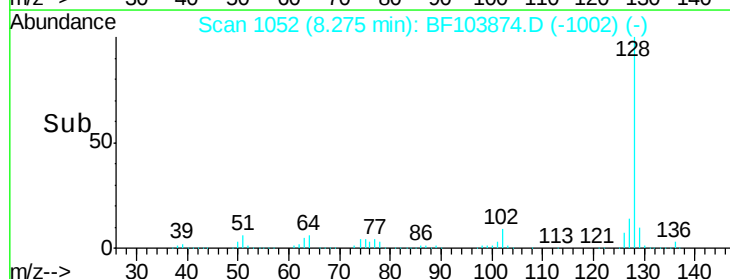
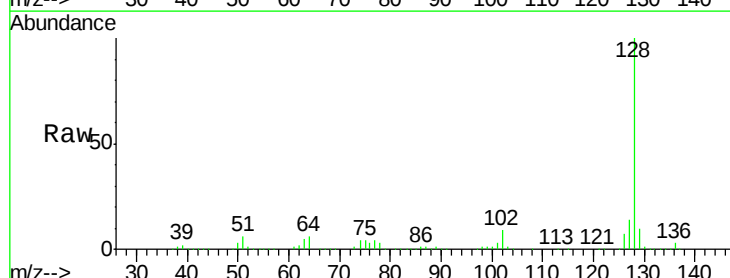
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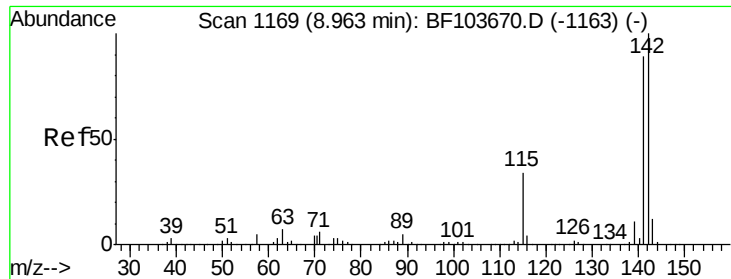
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#31
Naphthalene
Concen: 6.020 ng
RT: 8.27 min Scan# 1052
Delta R.T. -0.01 min
Lab File: BF103874.D
Acq: 23 Mar 2018 12:34

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.4	8.8	13.2
127	13.5	10.9	16.3





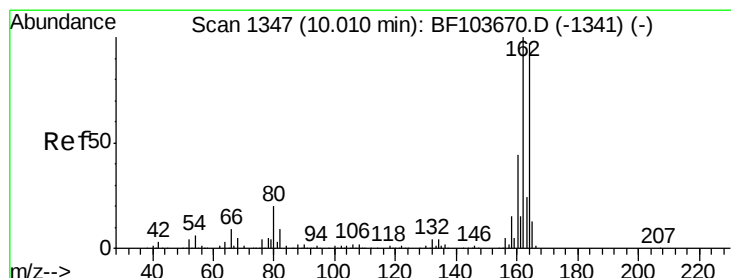
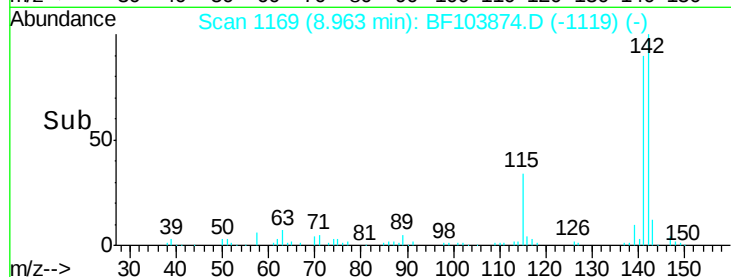
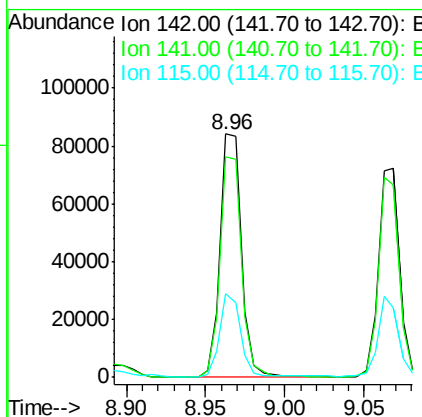
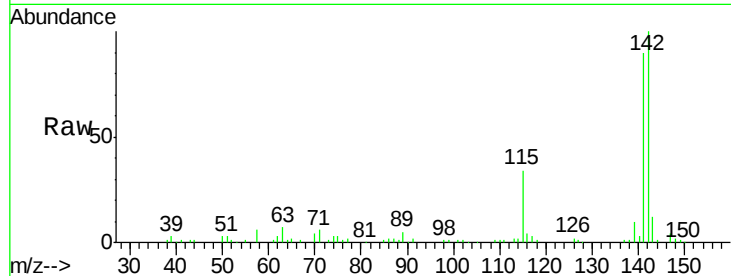
#37
2-Methylnaphthalene
Concen: 3.713 ng
RT: 8.96 min Scan# 1169
Delta R.T. -0.01 min
Lab File: BF103874.D
Acq: 23 Mar 2018 12:34

Instrument :
BNA_F
ClientSampleId :
MW-102(3-4)

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.3	70.8	106.2
115	34.4	26.1	39.1

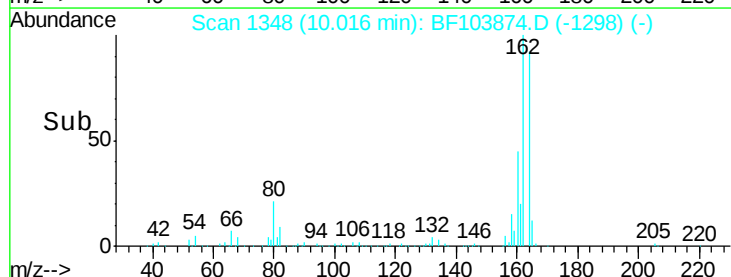
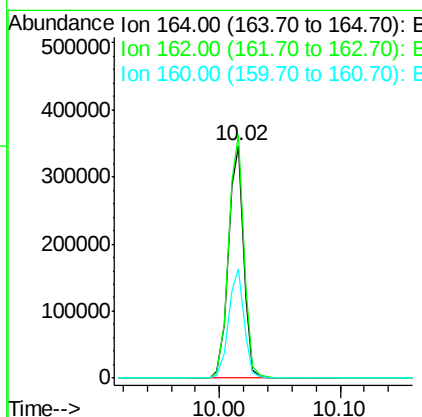
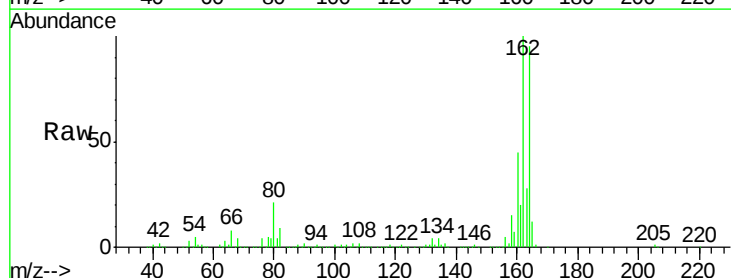
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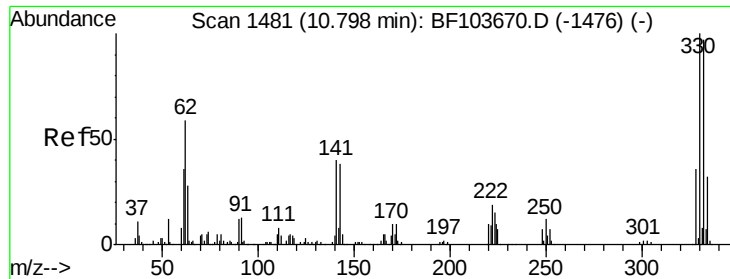
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.02 min Scan# 1348
Delta R.T. -0.01 min
Lab File: BF103874.D
Acq: 23 Mar 2018 12:34

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.9	86.1	129.1
160	47.3	38.3	57.5





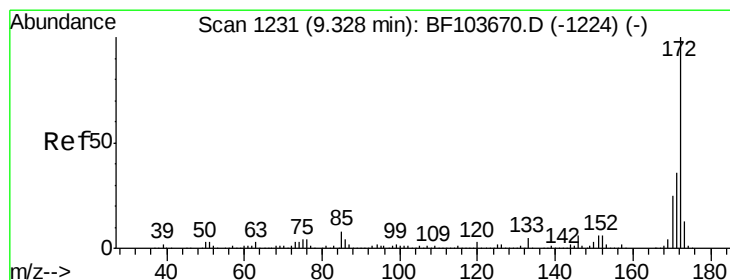
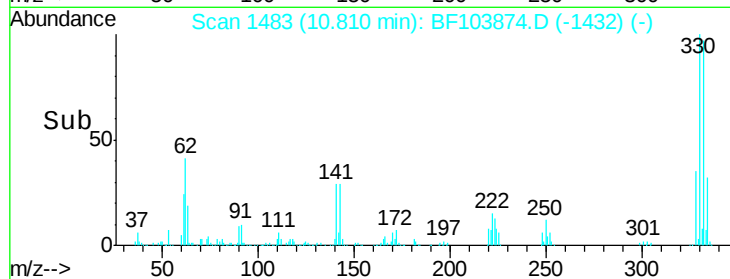
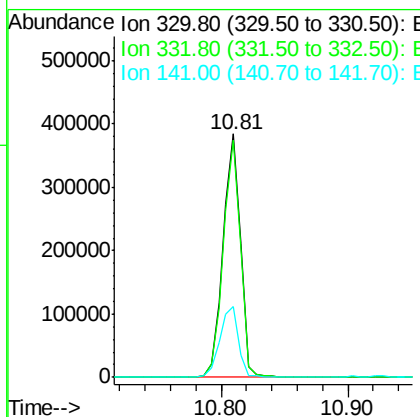
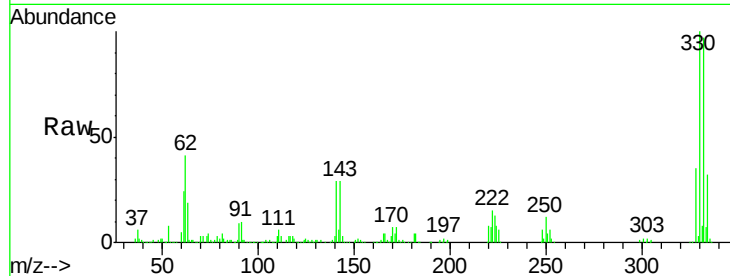
#41
 2,4,6-Tribromophenol
 Concen: 140.401 ng
 RT: 10.81 min Scan# 1483
 Delta R.T. -0.00 min
 Lab File: BF103874.D
 Acq: 23 Mar 2018 12:34

Instrument :
 BNA_F
 ClientSampleId :
 MW-102(3-4)

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	31.5	29.9	44.9

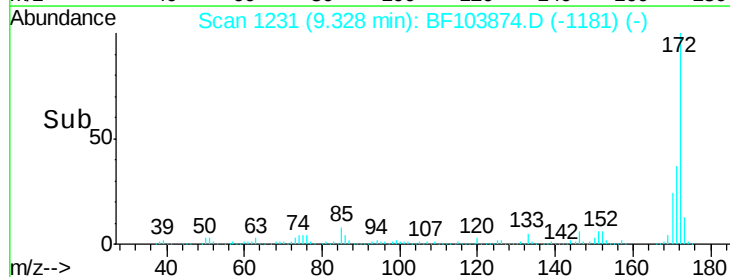
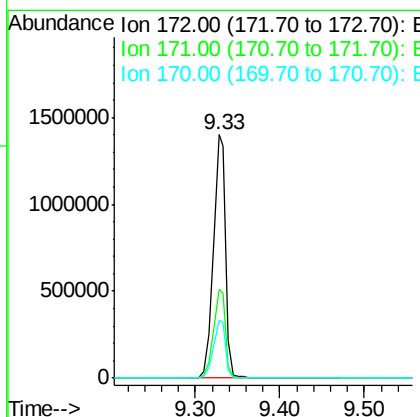
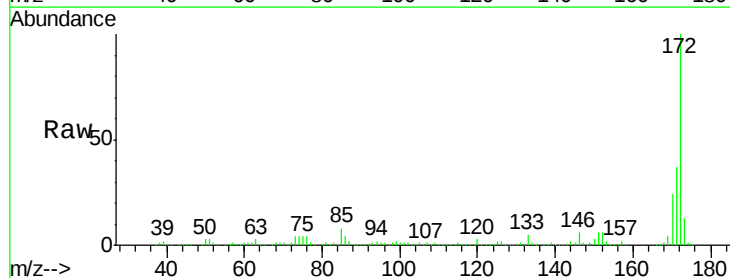
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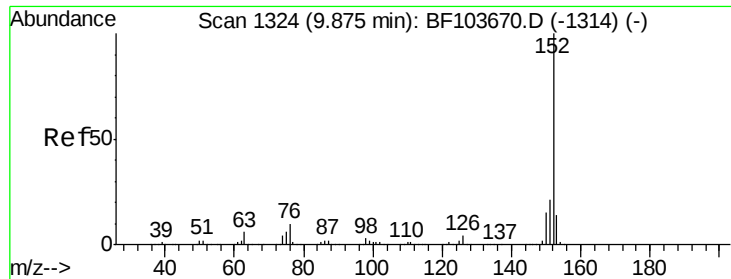
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#44
 2-Fluorobiphenyl
 Concen: 76.482 ng
 RT: 9.33 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: BF103874.D
 Acq: 23 Mar 2018 12:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	24.0	19.6	29.4





#48

Acenaphthylene

Concen: 7.392 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF103874.D

Acq: 23 Mar 2018 12:34

Instrument :

BNA_F

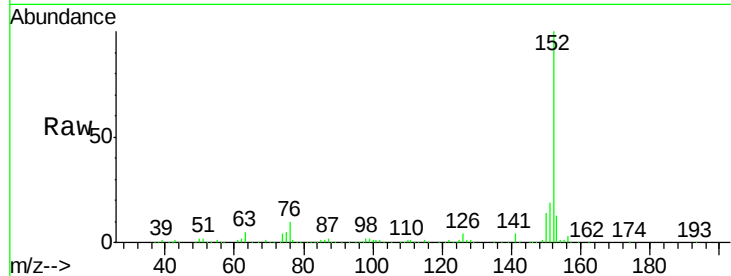
ClientSampleId :

MW-102(3-4)

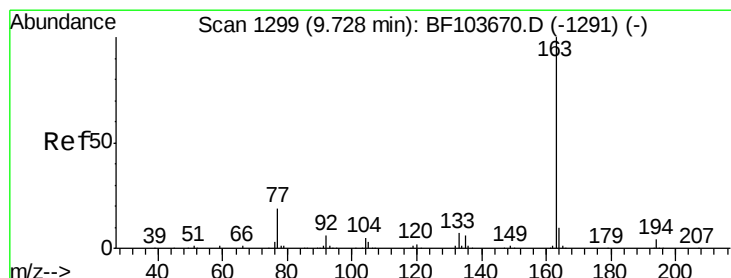
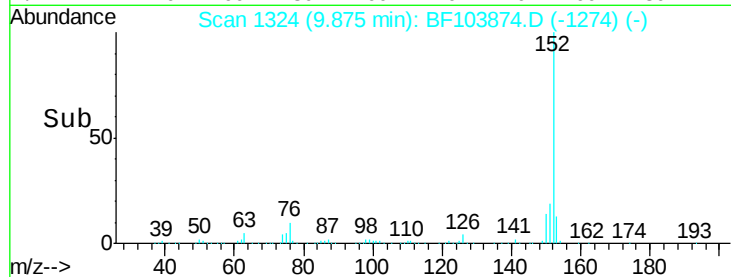
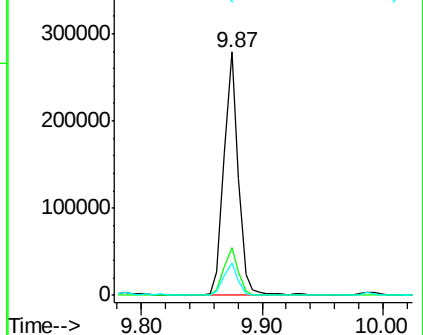
Tot Ion	Ion	Ratio	Resp	Lower	Upper
152	100		230662		
151	19.4	16.3	24.5		
153	13.2	10.7	16.1		

Manual Integrations
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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



#49

Dimethylphthalate

Concen: 6.605 ng

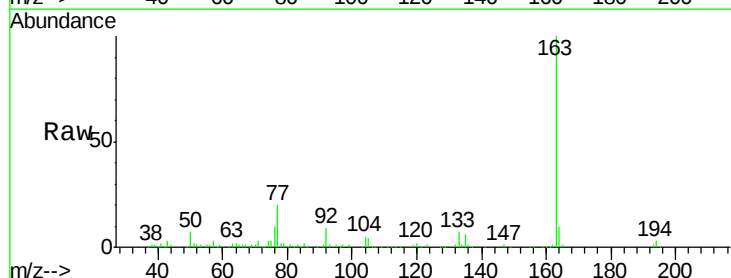
RT: 9.72 min Scan# 1297

Delta R.T. -0.02 min

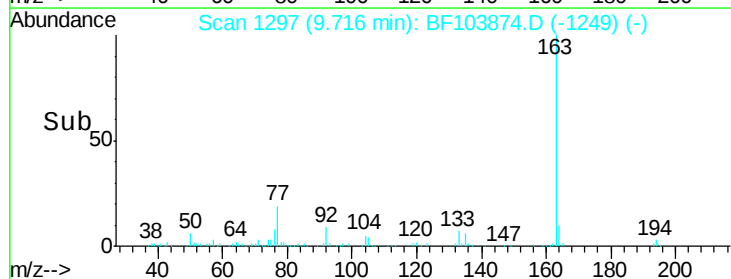
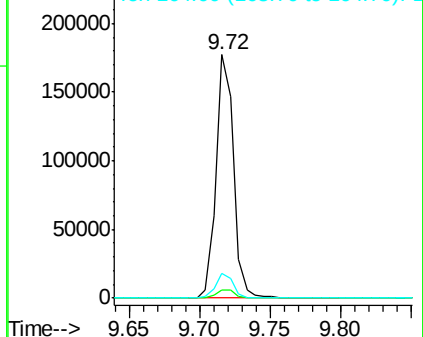
Lab File: BF103874.D

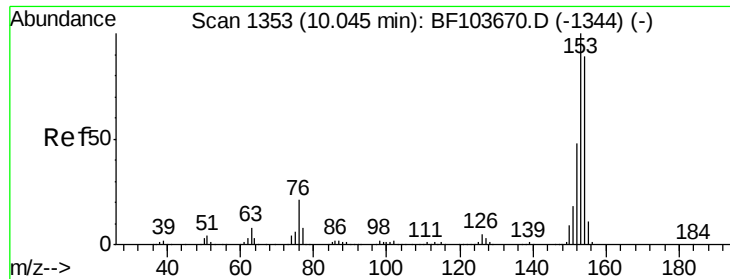
Acq: 23 Mar 2018 12:34

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
163	100		153123		
194	3.3	2.7	4.1		
164	10.4	8.2	12.2		



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





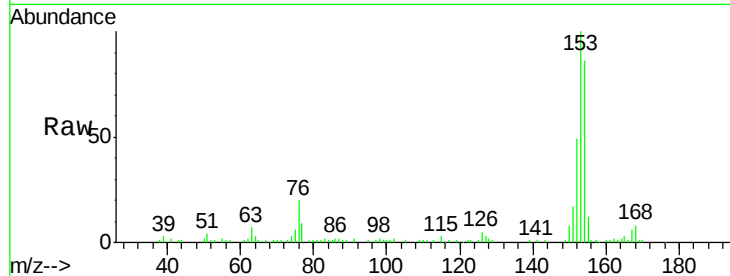
#51
Acenaphthene
Concen: 2.784 ng
RT: 10.05 min Scan# 1353
Delta R.T. -0.01 min
Lab File: BF103874.D
Acq: 23 Mar 2018 12:34

Instrument :
BNA_F
ClientSampleId :
MW-102(3-4)

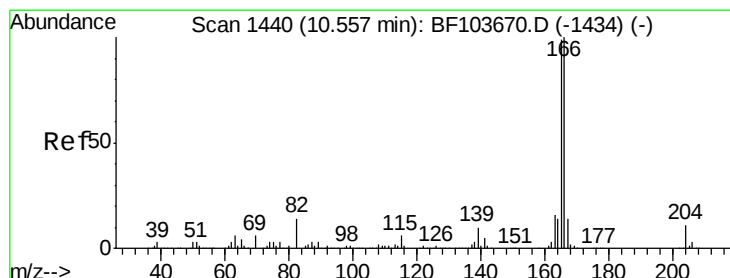
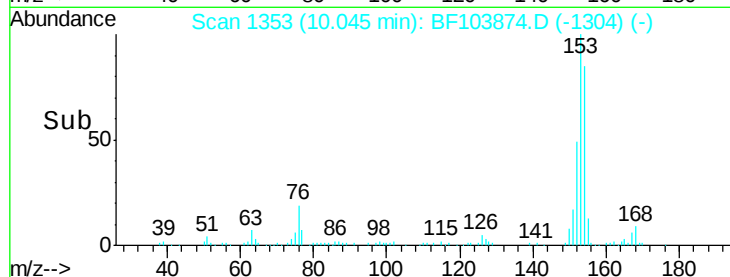
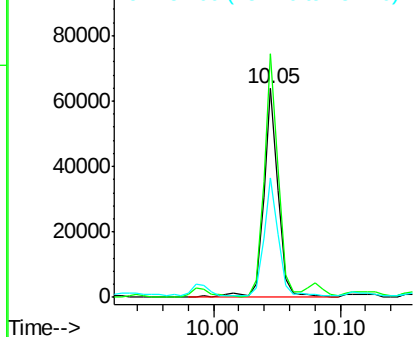
Tot Ion	Ratio	Lower	Upper
154	100		
153	116.7	91.2	136.8
152	57.3	43.8	65.8

Manual Integrations
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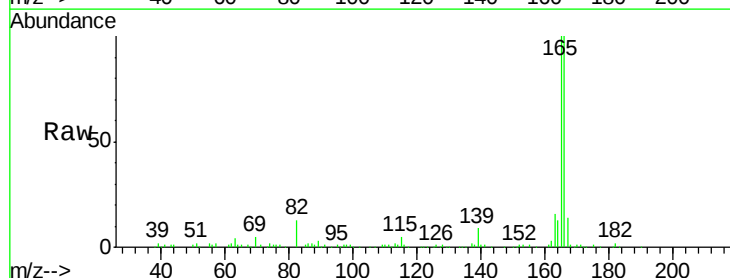


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

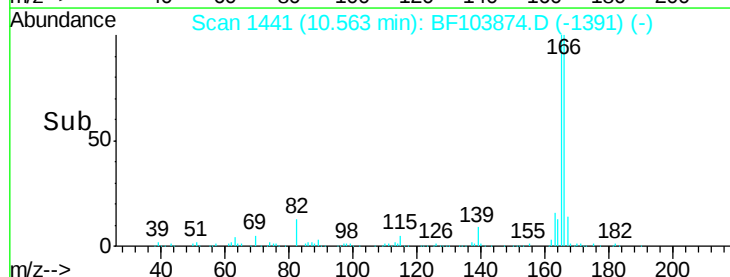
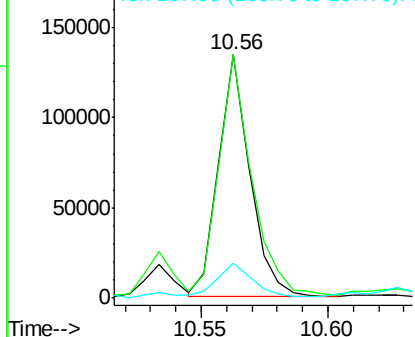


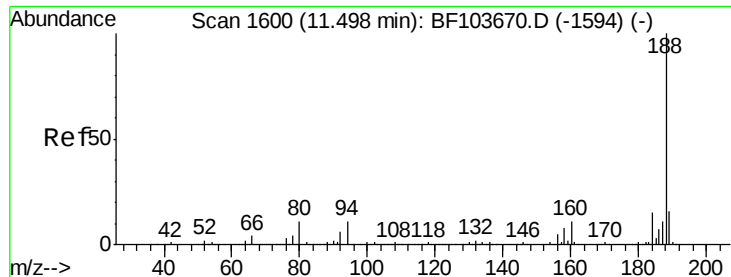
#57
Fluorene
Concen: 5.678 ng
RT: 10.56 min Scan# 1441
Delta R.T. -0.01 min
Lab File: BF103874.D
Acq: 23 Mar 2018 12:34

Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.9	79.8	119.8
167	14.3	10.6	16.0



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





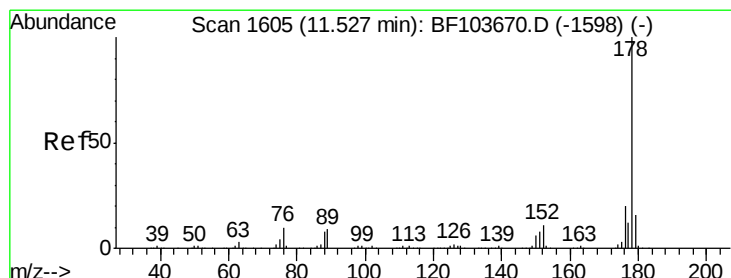
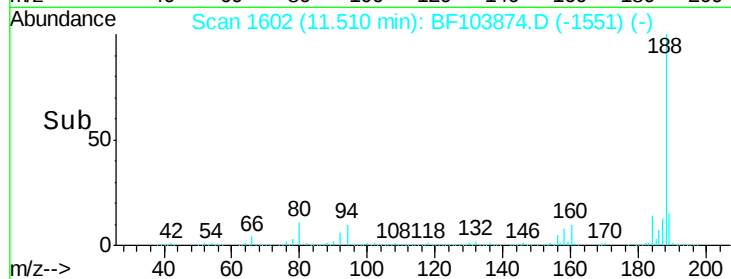
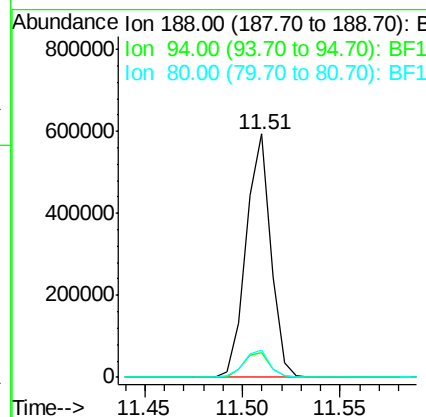
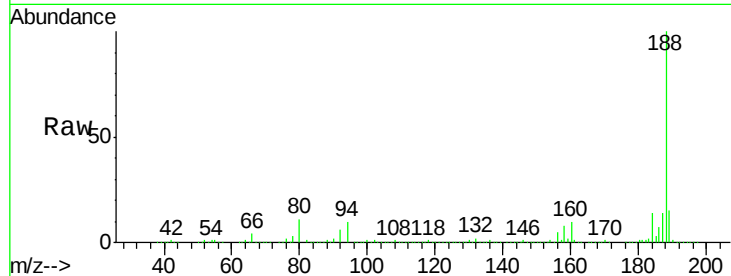
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1602
Delta R.T. -0.00 min
Lab File: BF103874.D
Acq: 23 Mar 2018 12:34

Instrument :
BNA_F
ClientSampleId :
MW-102(3-4)

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	10.3	8.5	12.7
80	11.1	9.2	13.8

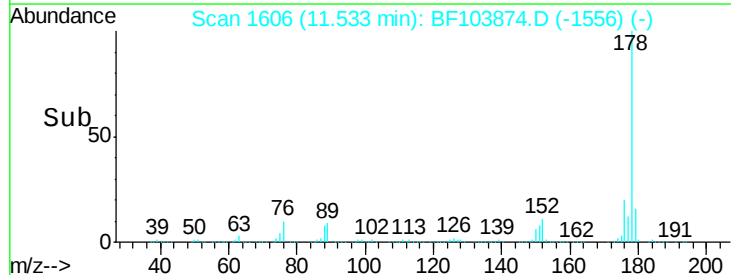
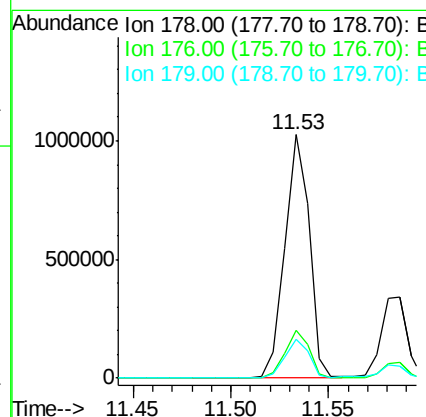
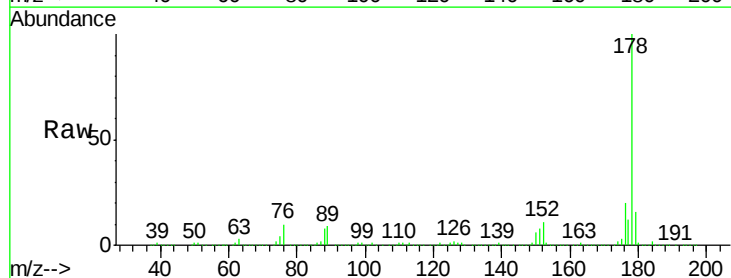
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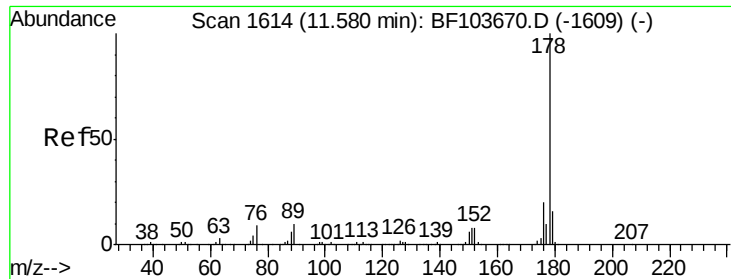
Sohil
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#70
Phenanthrene
Concen: 31.281 ng
RT: 11.53 min Scan# 1606
Delta R.T. -0.01 min
Lab File: BF103874.D
Acq: 23 Mar 2018 12:34

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





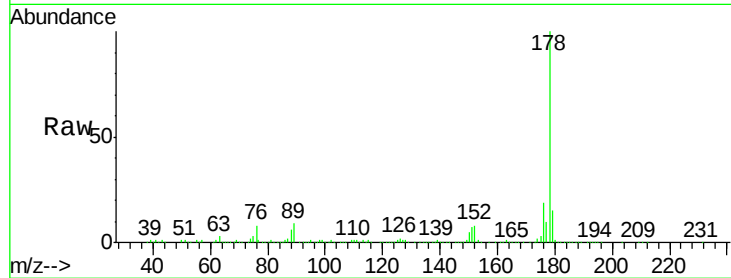
#71
 Anthracene
 Concen: 10.669 ng
 RT: 11.59 min Scan# 1615
 Delta R.T. -0.01 min
 Lab File: BF103874.D
 Acq: 23 Mar 2018 12:34

Instrument :
 BNA_F
 ClientSampleId :
 MW-102(3-4)

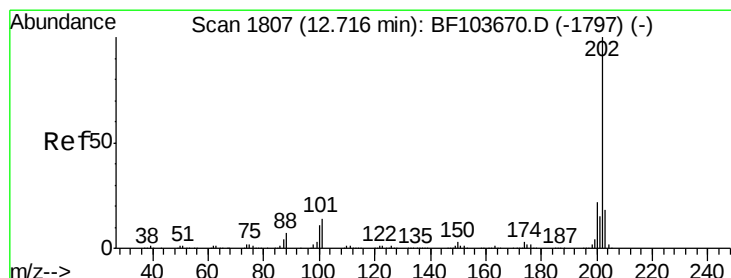
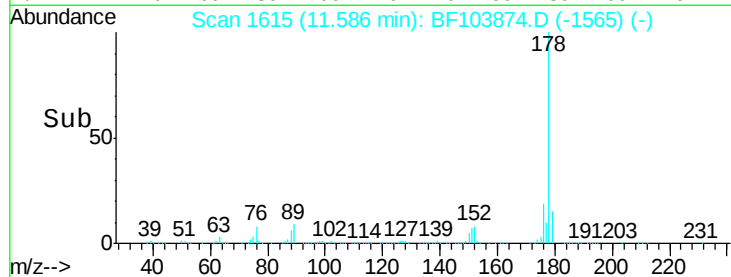
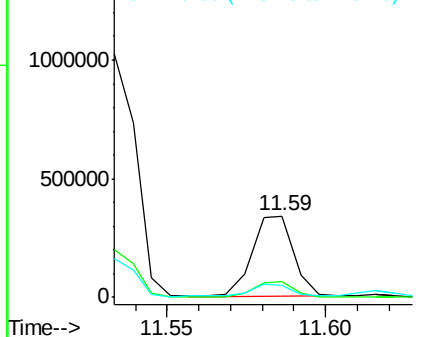
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.4	23.2
179	15.2	12.6	19.0

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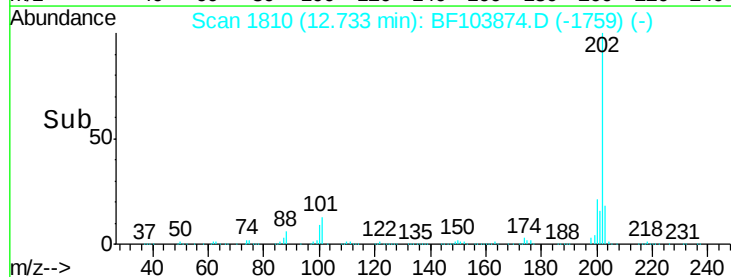
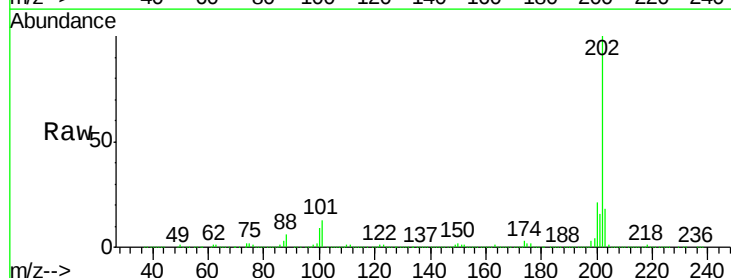
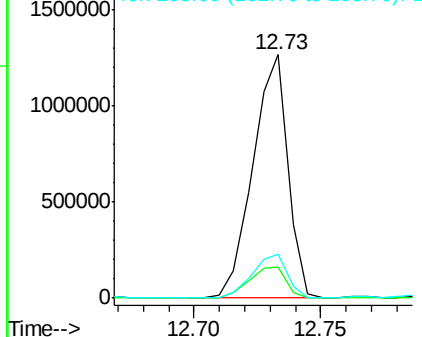
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

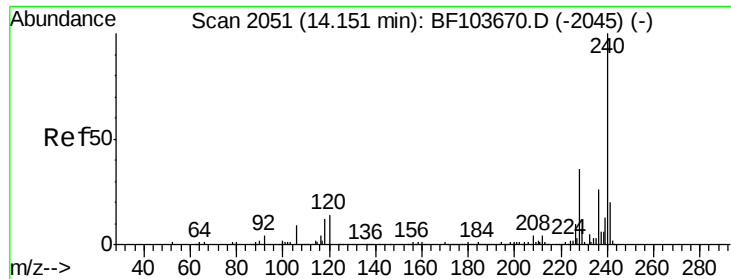


#74
 Fluoranthene
 Concen: 41.515 ng
 RT: 12.73 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: BF103874.D
 Acq: 23 Mar 2018 12:34

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.6	0.0	34.1
203	17.9	0.0	38.1

Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2053

Delta R.T. -0.01 min

Lab File: BF103874.D

Acq: 23 Mar 2018 12:34

Instrument :

BNA_F

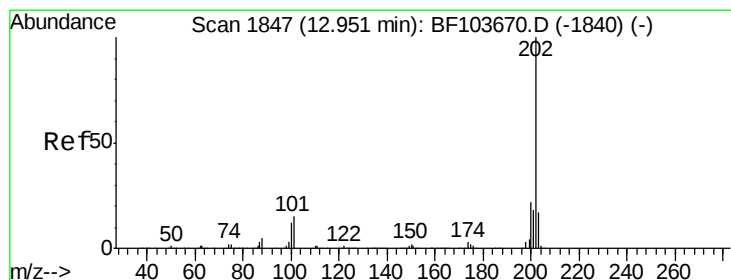
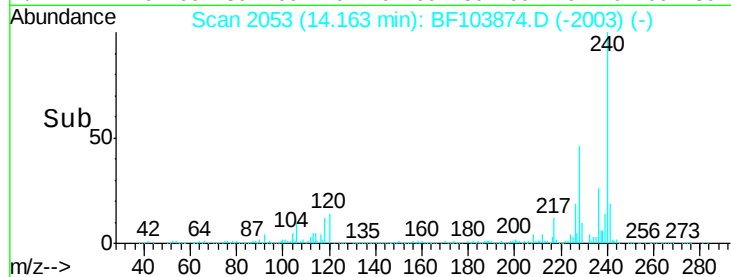
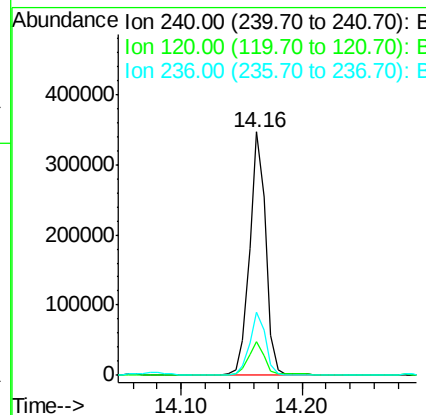
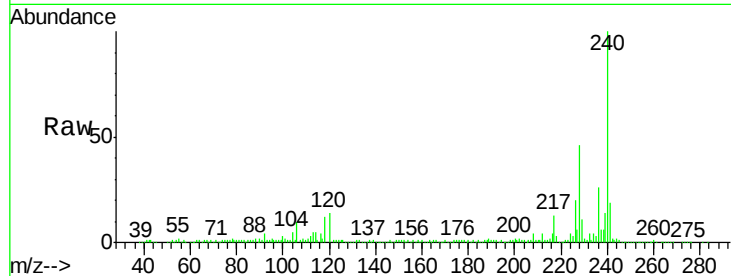
ClientSampleId :

MW-102(3-4)

Tot Ion:	240	Resp:	322216
Ion Ratio		Lower	Upper
240	100		
120	14.1	9.5	14.3
236	25.8	20.7	31.1

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#77

Pyrene

Concen: 50.571 ng

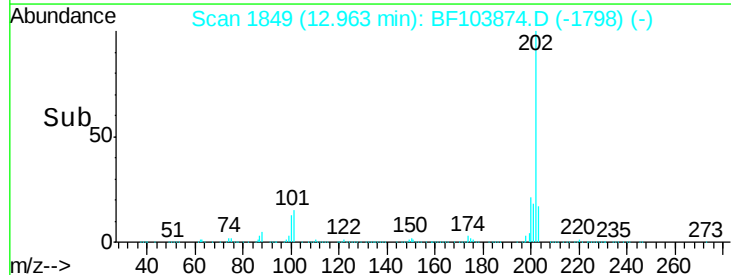
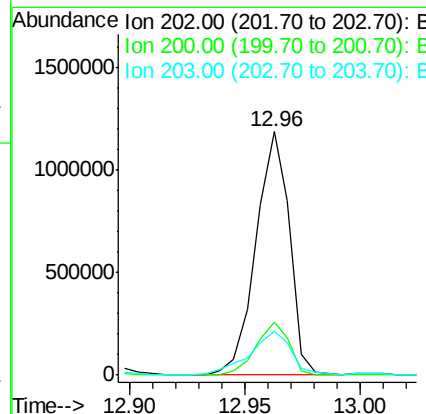
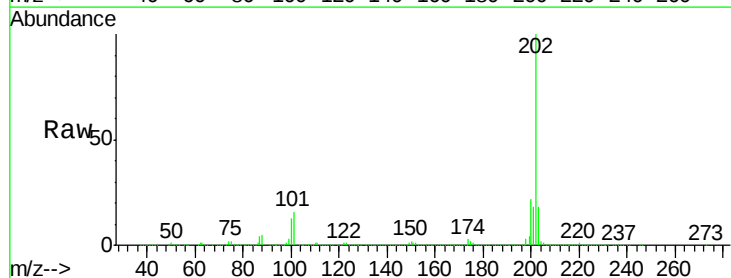
RT: 12.96 min Scan# 1849

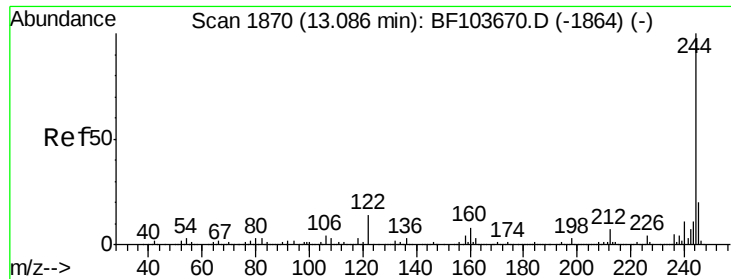
Delta R.T. -0.00 min

Lab File: BF103874.D

Acq: 23 Mar 2018 12:34

Tgt Ion:	202	Resp:	1196674
Ion Ratio		Lower	Upper
202	100		
200	21.6	17.4	26.2
203	17.9	14.3	21.5





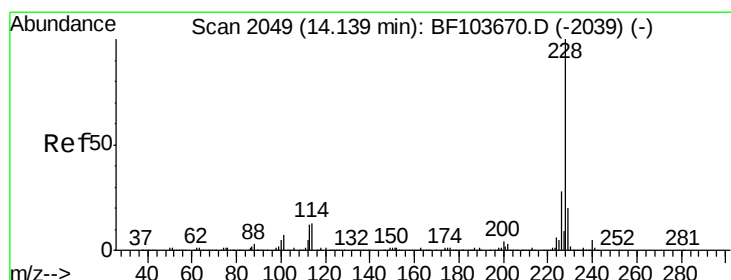
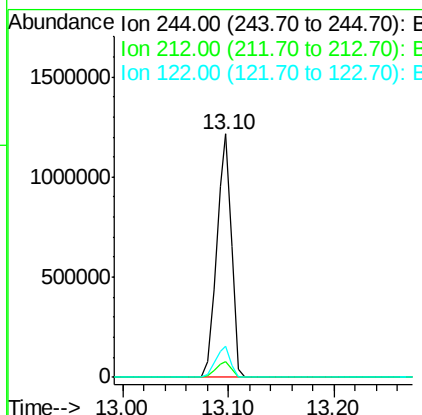
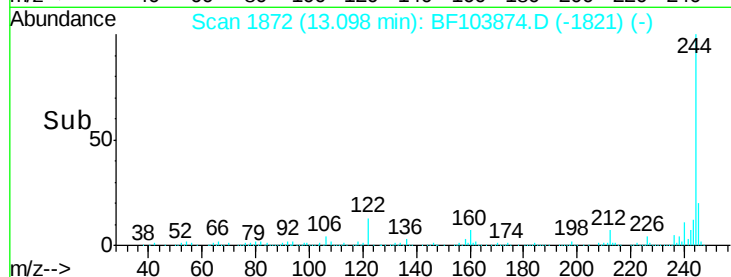
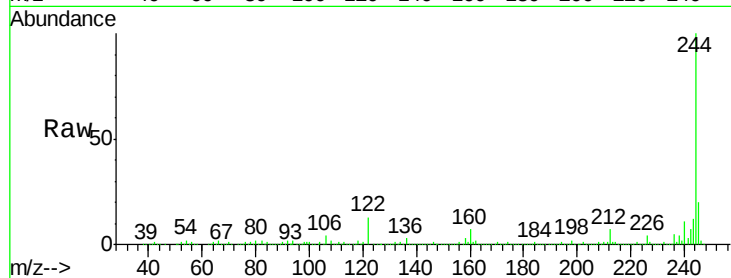
#78
 Terphenyl-d14
 Concen: 86.696 ng
 RT: 13.10 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: BF103874.D
 Acq: 23 Mar 2018 12:34

Instrument :
 BNA_F
 ClientSampleId :
 MW-102(3-4)

Tot Ion:244 Resp: 1203490
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 12.6 11.0 16.4

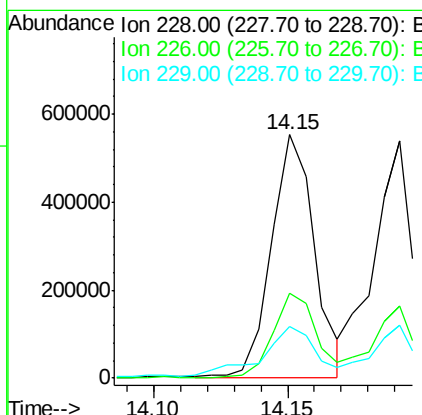
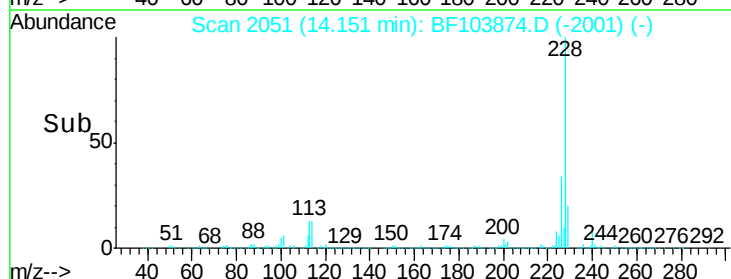
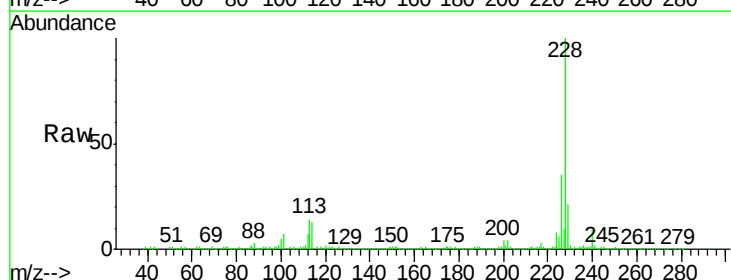
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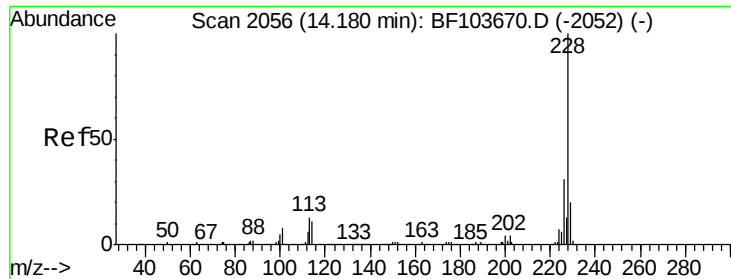
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#80
 Benzo(a)anthracene
 Concen: 30.333 ng m
 RT: 14.15 min Scan# 2051
 Delta R.T. -0.01 min
 Lab File: BF103874.D
 Acq: 23 Mar 2018 12:34

Tgt Ion:228 Resp: 618674
 Ion Ratio Lower Upper
 228 100
 226 35.0 22.6 33.8#
 229 21.3 15.8 23.6





#82

Chrysene

Concen: 27.245 ng

RT: 14.19 min Scan# 2058

Delta R.T. -0.01 min

Lab File: BF103874.D

Acq: 23 Mar 2018 12:34

Instrument :

BNA_F

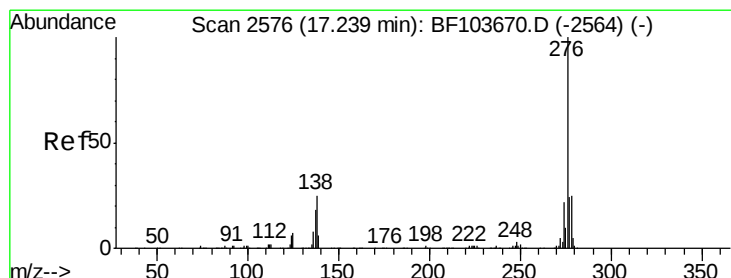
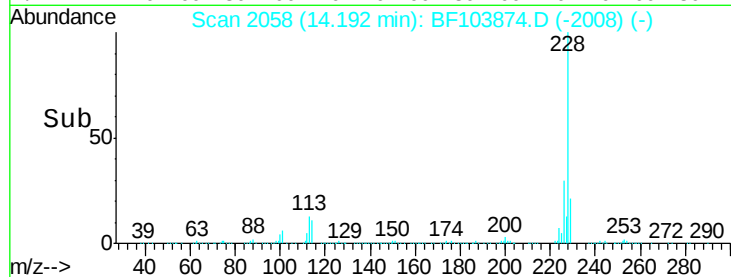
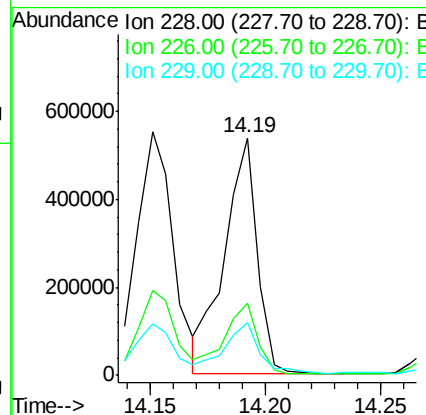
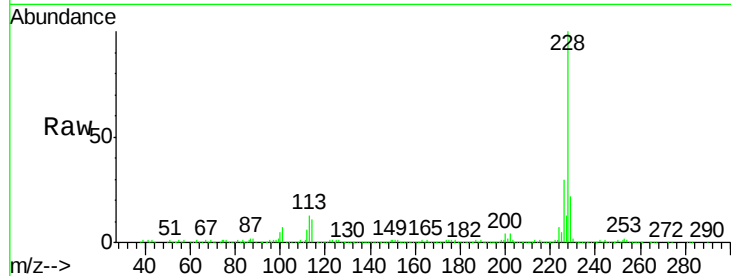
ClientSampled :

MW-102(3-4)

Tot Ion:	228	Resp:	529713
Ion Ratio	Lower	Upper	
228	100		
226	30.2	25.0	37.6
229	22.3	16.2	24.4

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 17.885 ng m

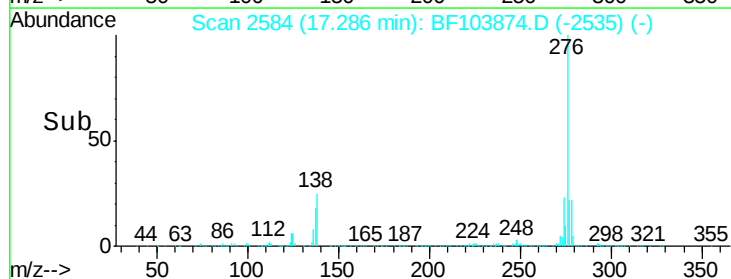
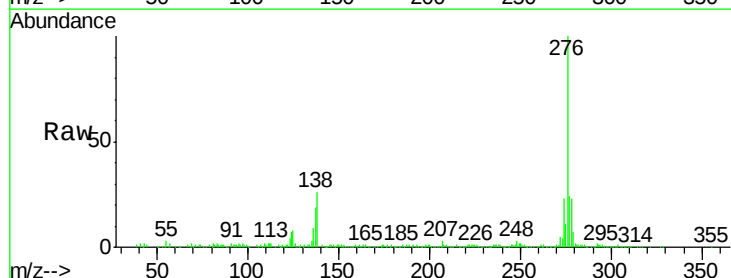
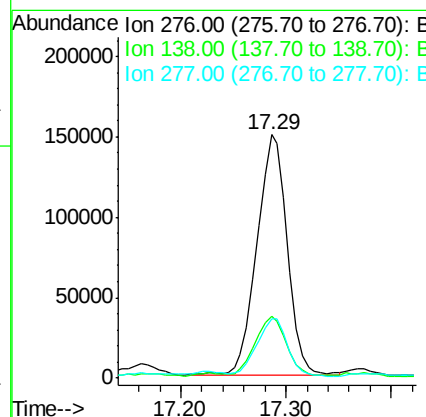
RT: 17.29 min Scan# 2584

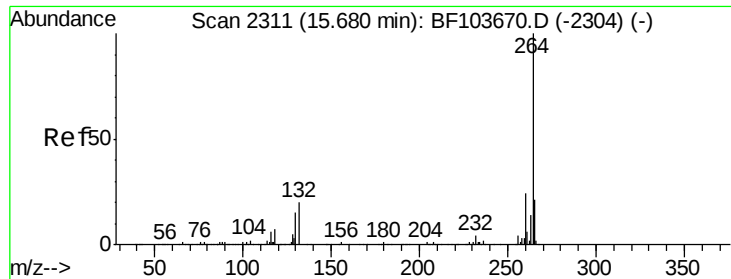
Delta R.T. -0.01 min

Lab File: BF103874.D

Acq: 23 Mar 2018 12:34

Tgt Ion:	276	Resp:	303666
Ion Ratio	Lower	Upper	
276	100		
138	1.1	25.0	37.6#
277	1.1	20.1	30.1#





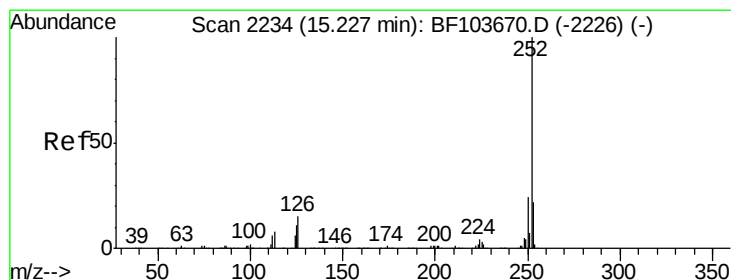
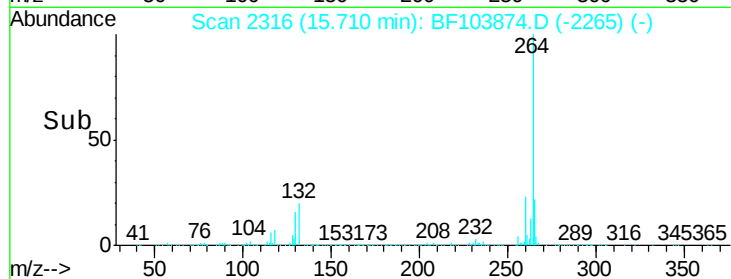
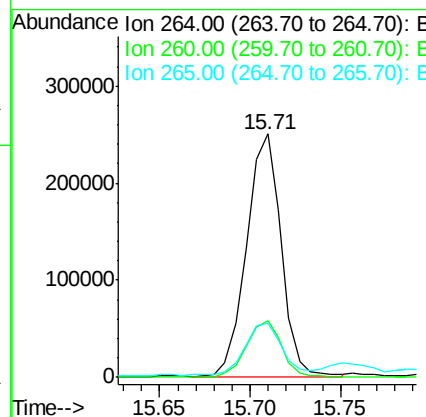
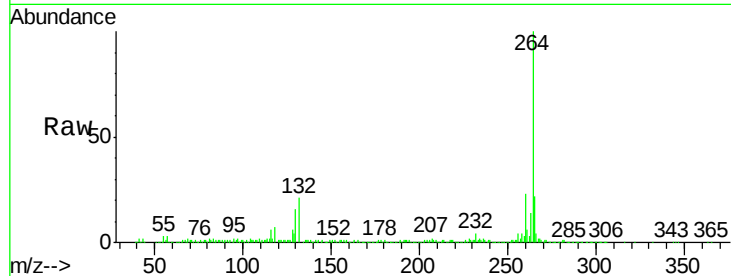
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.71 min Scan# 2316
Delta R.T. -0.00 min
Lab File: BF103874.D
Acq: 23 Mar 2018 12:34

Instrument :
BNA_F
ClientSampleId :
MW-102(3-4)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	22.4	17.5	26.3

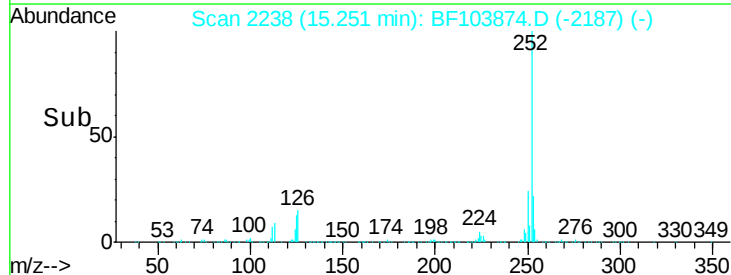
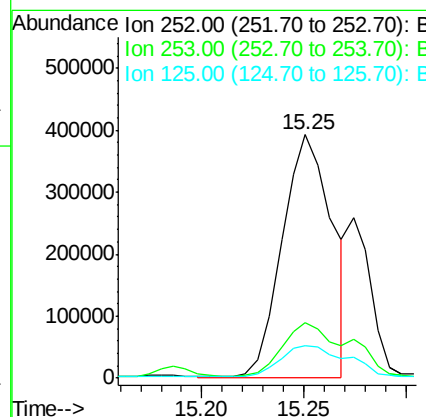
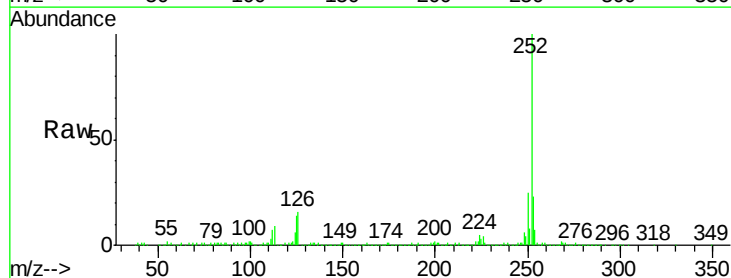
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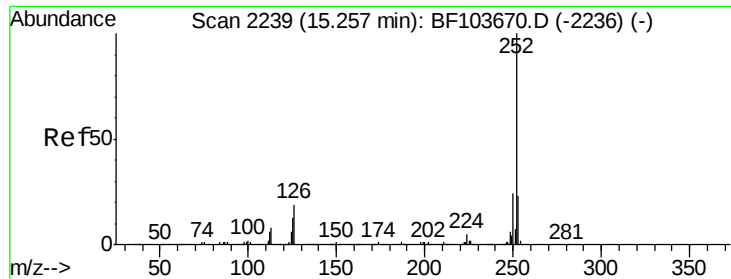
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#87
Benzo(b)fluoranthene
Concen: 32.380 ng m
RT: 15.25 min Scan# 2238
Delta R.T. -0.00 min
Lab File: BF103874.D
Acq: 23 Mar 2018 12:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.0	25.6
125	13.6	9.0	13.6#





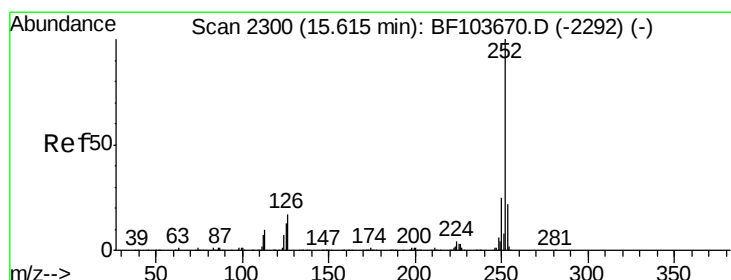
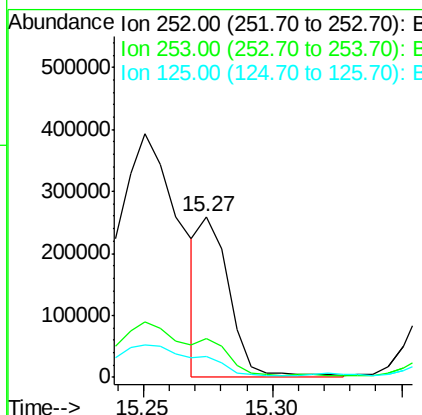
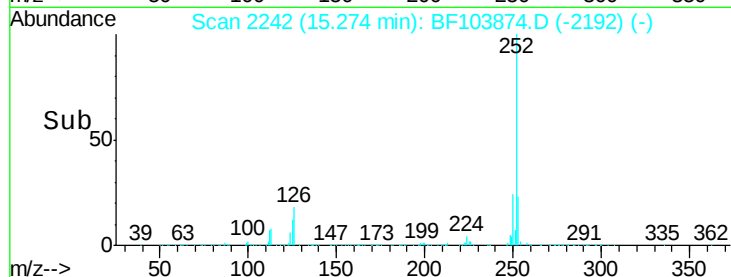
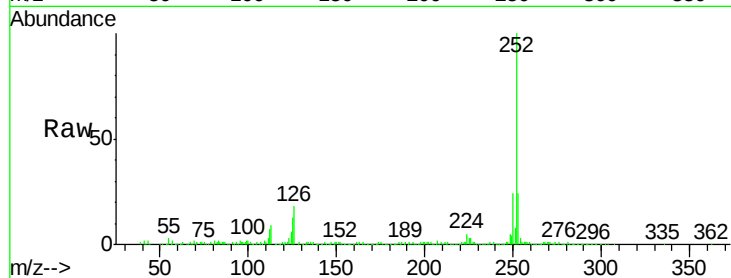
#88
Benzo(k)fluoranthene
Concen: 10.354 ng m
RT: 15.27 min Scan# 2242
Delta R.T. -0.01 min
Lab File: BF103874.D
Acq: 23 Mar 2018 12:34

Instrument :
BNA_F
ClientSampled :
MW-102(3-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	13.2	10.2	15.2

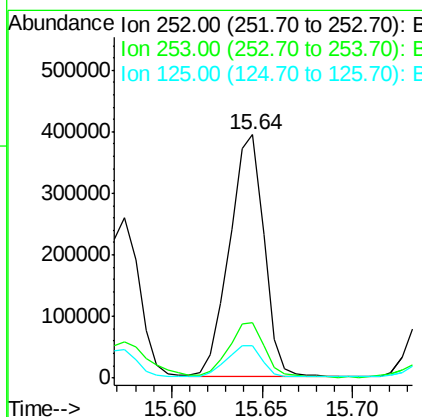
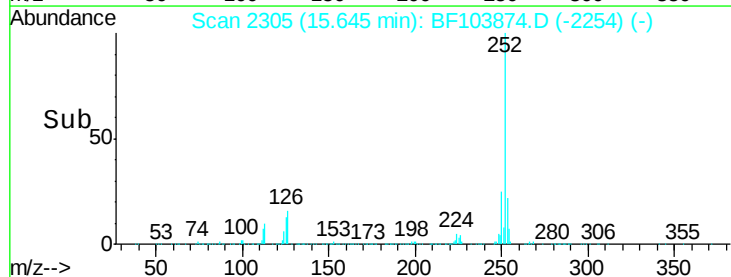
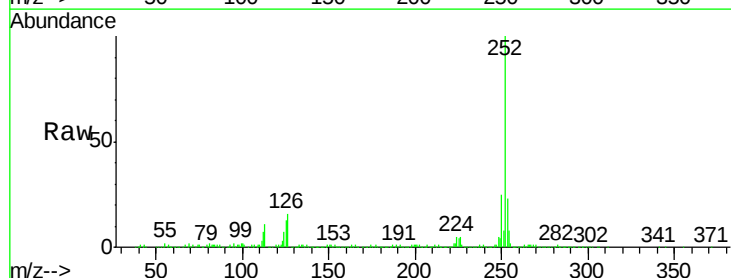
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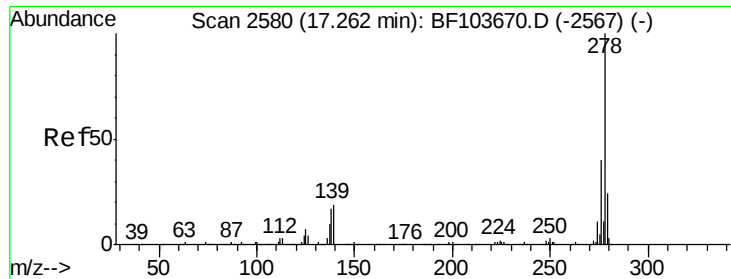
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#89
Benzo(a)pyrene
Concen: 27.648 ng
RT: 15.64 min Scan# 2305
Delta R.T. -0.00 min
Lab File: BF103874.D
Acq: 23 Mar 2018 12:34

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.1	25.7
125	13.4	9.8	14.6





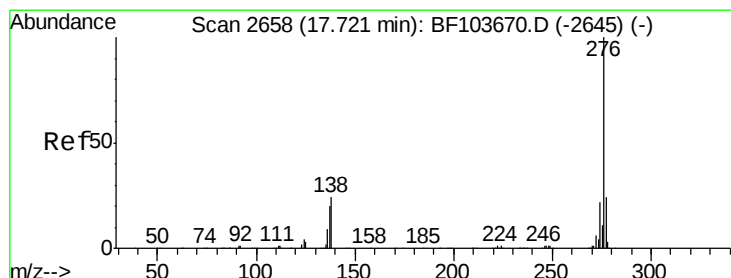
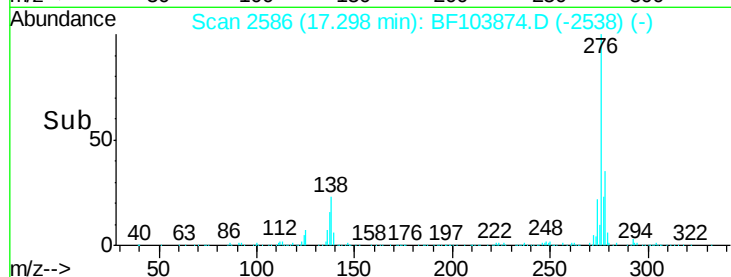
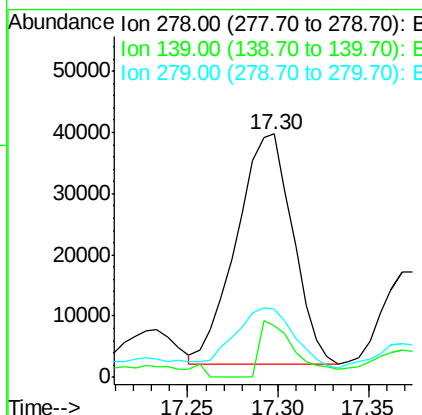
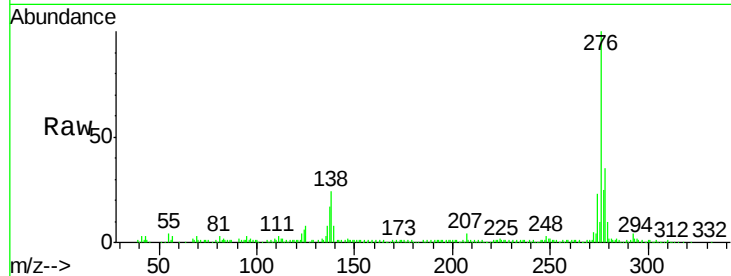
#90
Dibenzo(a,h)anthracene
Concen: 4.972 ng
RT: 17.30 min Scan# 2586
Delta R.T. -0.02 min
Lab File: BF103874.D
Acq: 23 Mar 2018 12:34

Instrument :
BNA_F
ClientSampleId :
MW-102(3-4)

Tot Ion	Ratio	Lower	Upper
278	100		
139	21.4	15.9	23.9
279	28.2	19.0	28.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 17.974 ng
RT: 17.77 min Scan# 2667
Delta R.T. -0.01 min
Lab File: BF103874.D
Acq: 23 Mar 2018 12:34

Tgt Ion	Ratio	Lower	Upper
276	100		
277	23.5	17.9	26.9
138	24.2	21.8	32.8

