

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032818\
 Data File : BF104041.D
 Acq On : 29 Mar 2018 9:41
 Operator : JU/SJ
 Sample : J2075-03DL 10X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-103(2-3)DL

Manual Integrations
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Quant Time: Mar 29 13:05:34 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 28 13:41:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	116839	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	474561	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	204835	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	288005	20.00	ng	0.00
75) Chrysene-d12	14.16	240	237215	20.00	ng	0.00
86) Perylene-d12	15.70	264	174537	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.63	112	54415m	7.43	ng	0.04
7) Phenol-d6	6.62	99	72406m	8.03	ng	0.02
23) Nitrobenzene-d5	7.53	82	40741m	5.25	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	12634	5.54	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	88937	6.85	ng	0.00
78) Terphenyl-d14	13.08	244	64421	6.27	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.27	128	1740249	75.063	ng	100
37) 2-Methylnaphthalene	8.96	142	262486m	17.188	ng	
45) 1,1'-Biphenyl	9.42	154	60182	3.423	ng	98
48) Acenaphthylene	9.87	152	75533	3.595	ng	98
51) Acenaphthene	10.03	154	35477	2.919	ng	96
54) Dibenzofuran	10.21	168	129474	7.295	ng	100
57) Fluorene	10.56	166	180720	12.344	ng	99
70) Phenanthrene	11.53	178	649196	41.634	ng	98
71) Anthracene	11.58	178	231280	14.200	ng	98
72) Carbazole	11.74	167	52441	3.373	ng	99
74) Fluoranthene	12.72	202	529244	31.931	ng	98
77) Pyrene	12.95	202	499582	29.297	ng	99
80) Benzo(a)anthracene	14.14	228	238397	16.061	ng	98
82) Chrysene	14.18	228	204030	14.034	ng	99
85) Indeno(1,2,3-cd)pyrene	17.28	276	64810m	4.302	ng	
87) Benzo(b)fluoranthene	15.24	252	169375m	15.945	ng	
88) Benzo(k)fluoranthene	15.26	252	75861m	7.581	ng	
89) Benzo(a)pyrene	15.63	252	126222	12.823	ng	97
91) Benzo(a,h,i)perylene	17.77	276	58986	6.471	ng	97

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

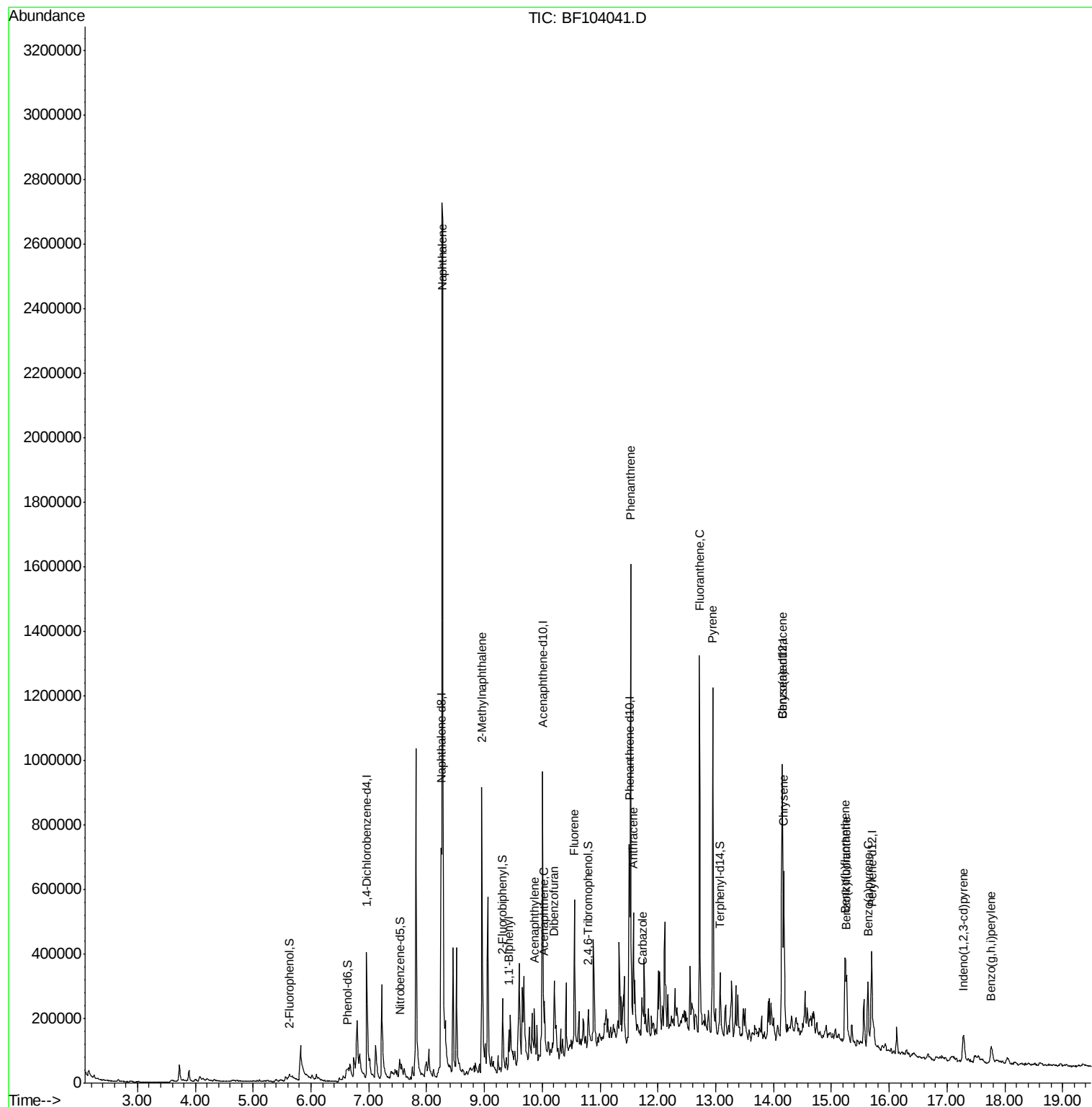
Data Path : Z:\HPCHEM1\BNA F\DATA\BF032818\
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#1

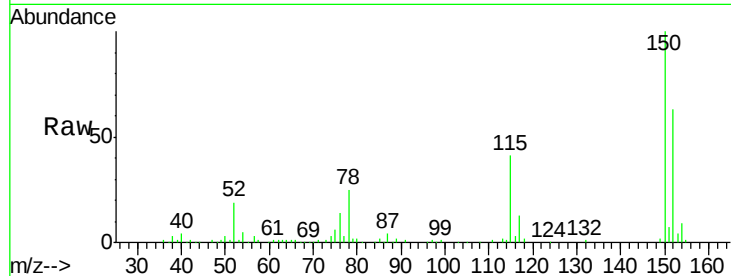
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.96 min Scan# 829
 Delta R.T. -0.01 min
 Lab File: BF104041.D
 Acq: 29 Mar 2018 9:41

Instrument :
 BNA_F
 ClientSampleId :
 MW-103(2-3)DL

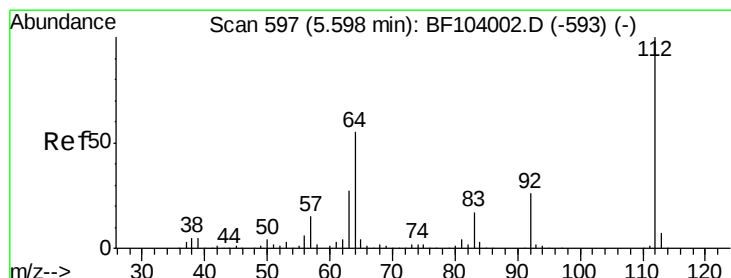
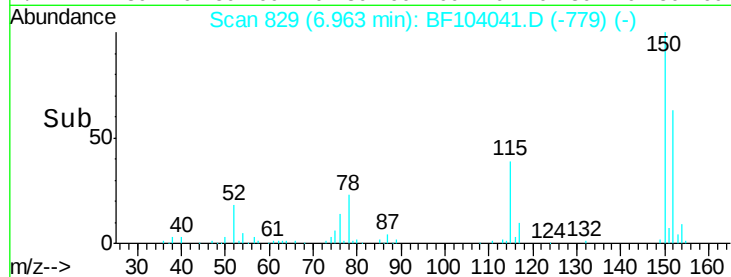
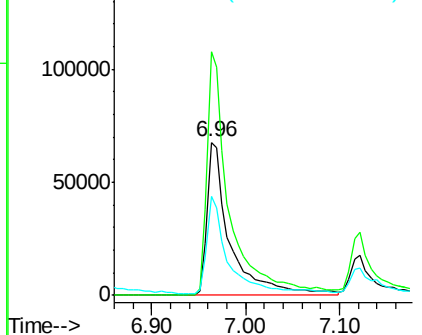
Tot Ion	Ratio	Lower	Upper
152	100		
150	158.9	124.6	186.8
115	64.5	50.1	75.1

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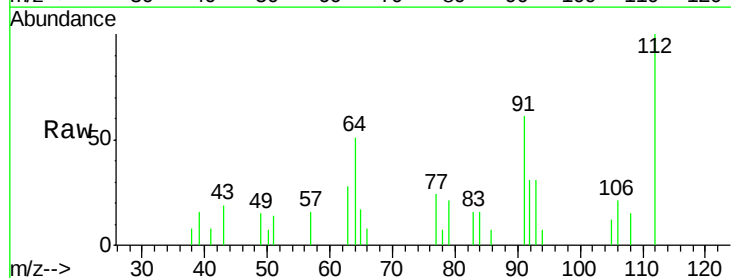
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



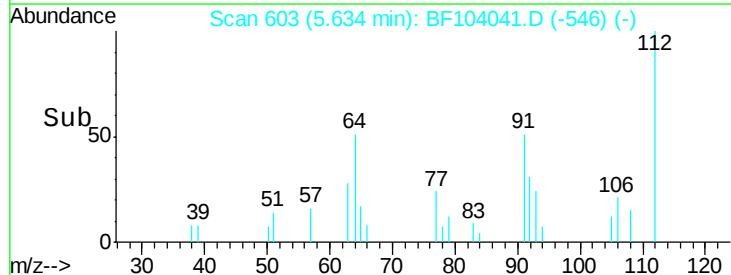
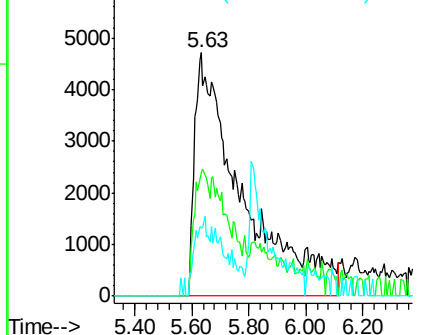
#5

2-Fluorophenol
 Concen: 7.427 ng m
 RT: 5.63 min Scan# 603
 Delta R.T. 0.04 min
 Lab File: BF104041.D
 Acq: 29 Mar 2018 9:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	50.7	47.9	71.9
63	27.8	23.7	35.5



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

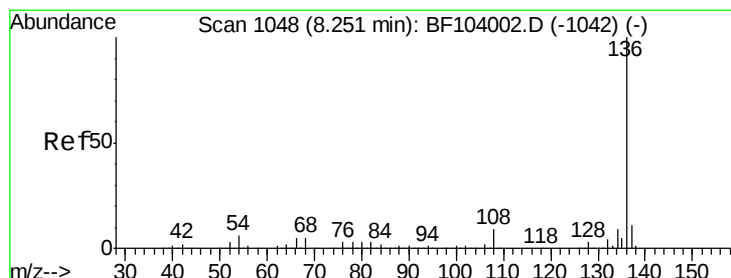
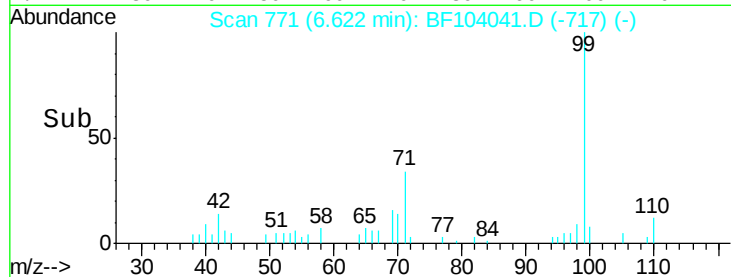
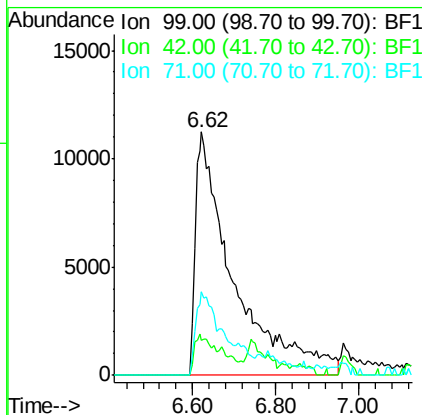
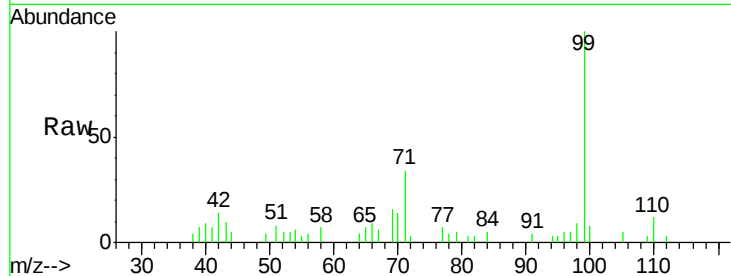
Concen: 8.033 ng/ml
 RT: 6.62 min Scan# 771
 Delta R.T. 0.02 min
 Lab File: BF104041.D
 Acq: 29 Mar 2018 9:41

Instrument :
 BNA_F
 ClientSampleID :
 MW-103(2-3)DL

Tot Ion	Ion	Ratio	Lower	Upper
99	100			
42	14.2	14.5	21.7#	
71	34.4	25.4	38.0	

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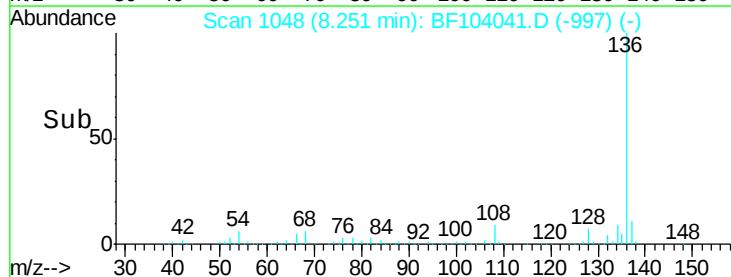
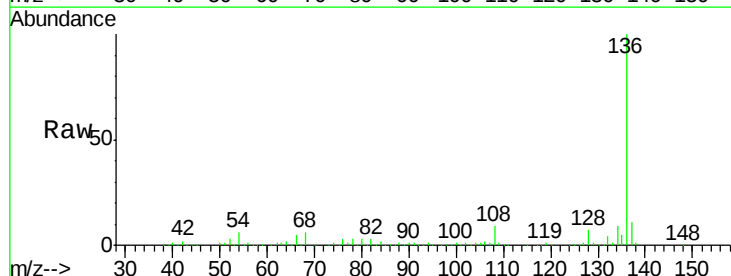
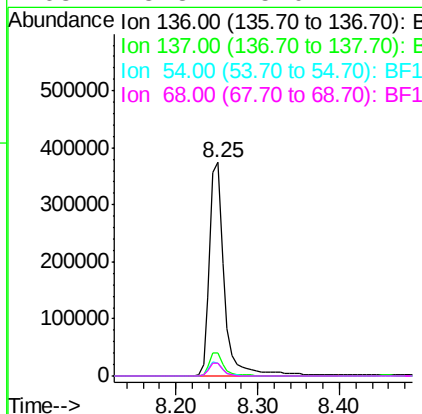


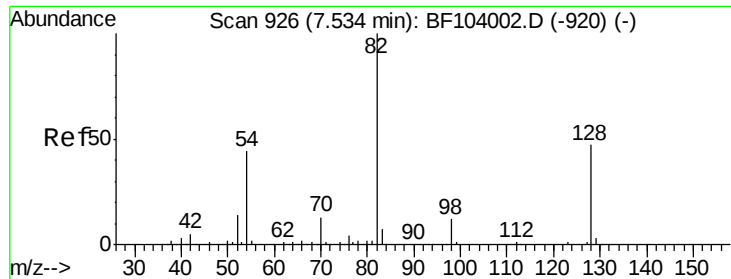
#21

Naphthalene-d8

Concen: 20.000 ng
 RT: 8.25 min Scan# 1048
 Delta R.T. -0.00 min
 Lab File: BF104041.D
 Acq: 29 Mar 2018 9:41

Tgt Ion	Ion	Ratio	Lower	Upper
136	100			
137	10.7	8.9	13.3	
54	6.3	6.6	9.8#	
68	5.8	5.0	7.4	





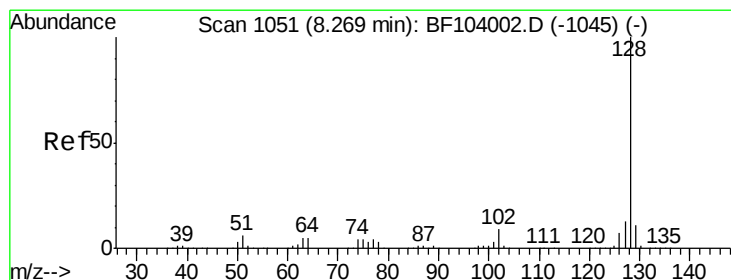
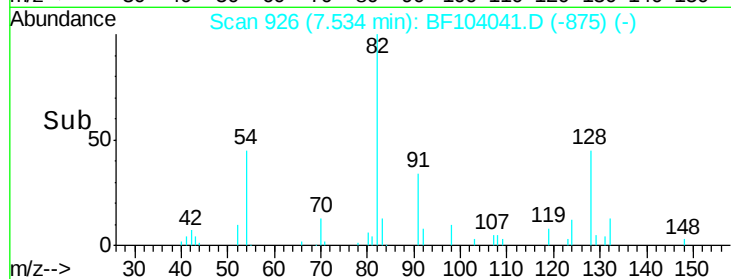
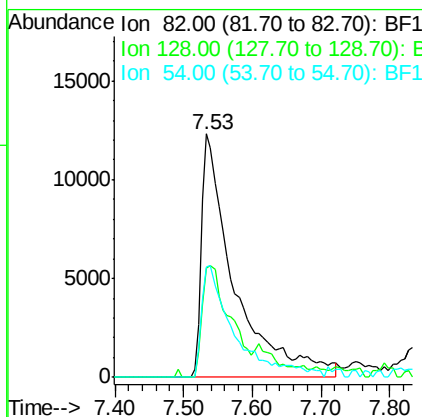
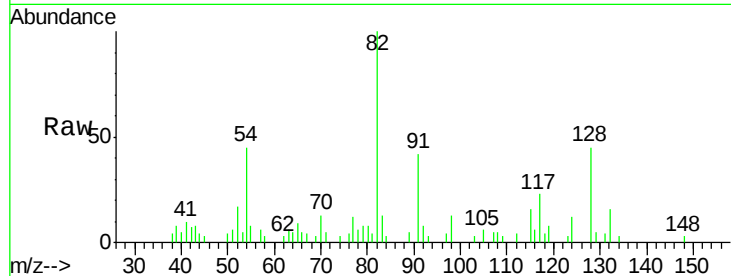
#23
Nitrobenzene-d5
Concen: 5.250 ng m
RT: 7.53 min Scan# 926
Delta R.T. -0.00 min
Lab File: BF104041.D
Acq: 29 Mar 2018 9:41

Instrument :
BNA_F
ClientSampleId :
MW-103(2-3)DL

Tot Ion	82	Resp	40741
Ion Ratio	Lower	Upper	
82	100		
128	45.1	36.1	54.1
54	45.1	41.4	62.2

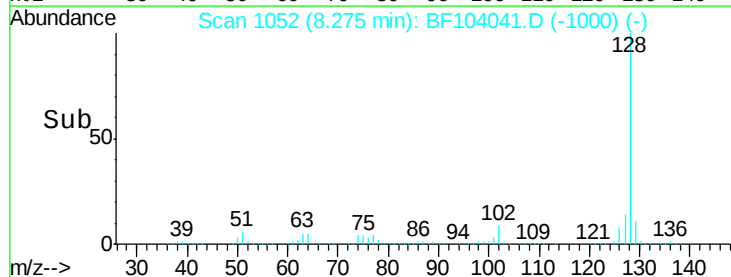
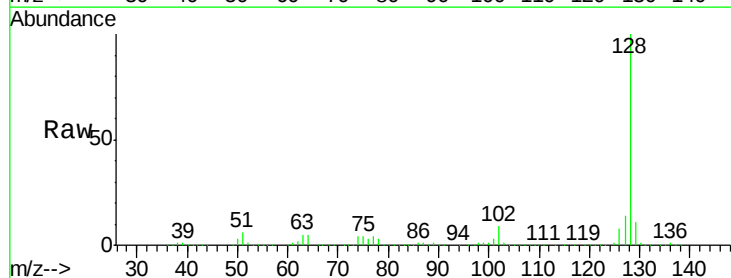
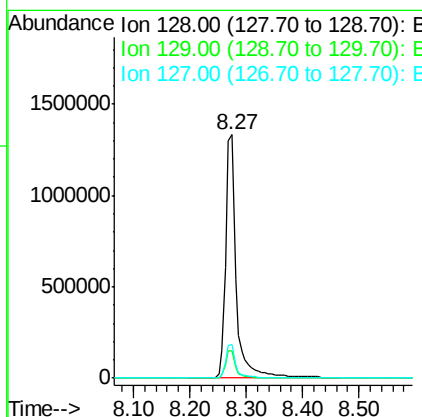
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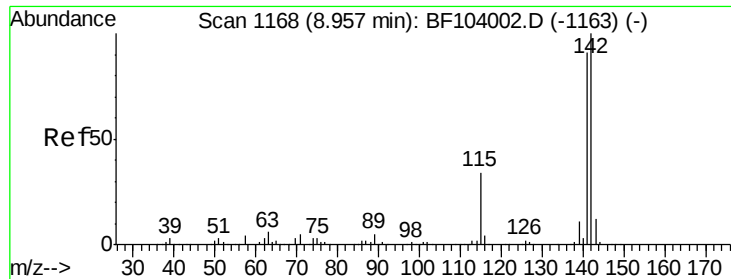
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#31
Naphthalene
Concen: 75.063 ng
RT: 8.27 min Scan# 1052
Delta R.T. 0.01 min
Lab File: BF104041.D
Acq: 29 Mar 2018 9:41

Tgt Ion	128	Resp	1740249
Ion Ratio	Lower	Upper	
128	100		
129	11.2	8.8	13.2
127	13.7	10.9	16.3





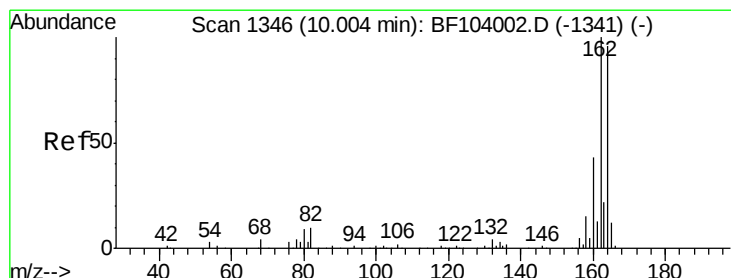
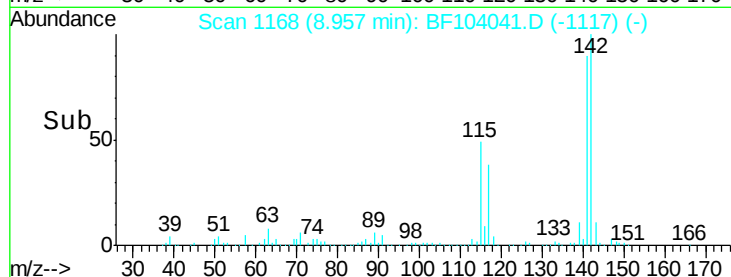
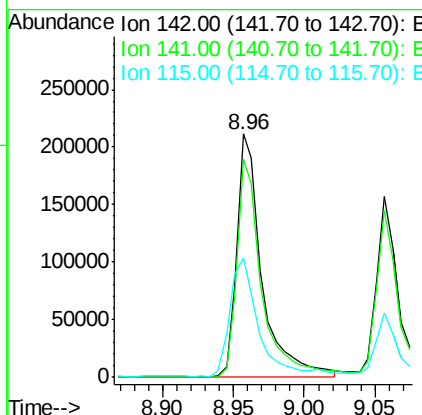
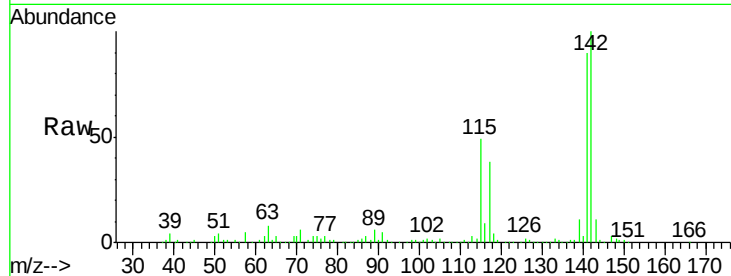
#37
2-Methylnaphthalene
Concen: 17.188 ng m
RT: 8.96 min Scan# 1168
Delta R.T. -0.00 min
Lab File: BF104041.D
Acq: 29 Mar 2018 9:41

Instrument :
BNA_F
ClientSampleId :
MW-103(2-3)DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.5	70.8	106.2
115	49.0	26.1	39.1

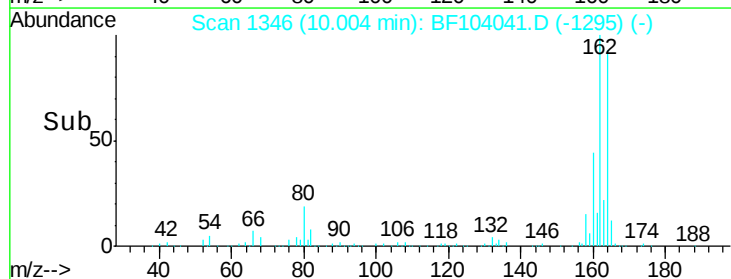
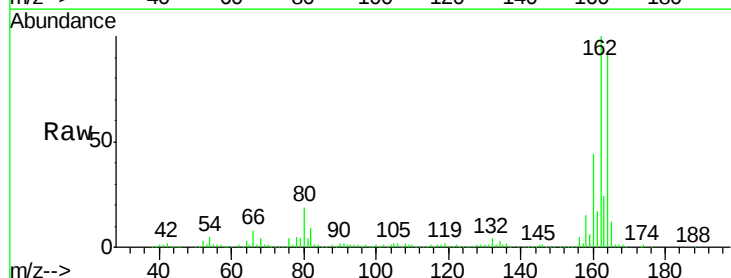
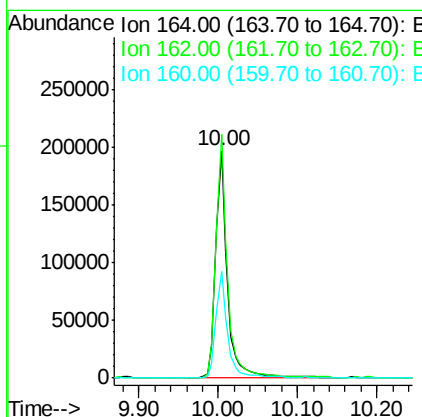
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1346
Delta R.T. -0.00 min
Lab File: BF104041.D
Acq: 29 Mar 2018 9:41

Tgt Ion	Ratio	Lower	Upper
164	100		
162	107.2	86.1	129.1
160	46.9	38.3	57.5





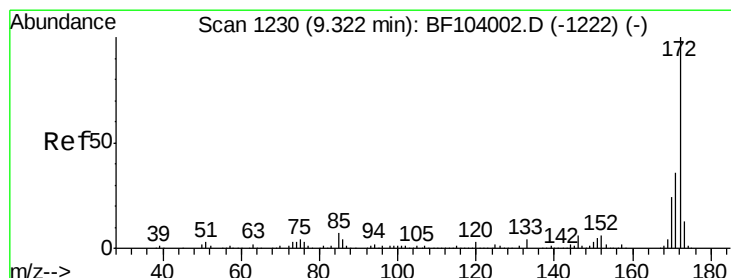
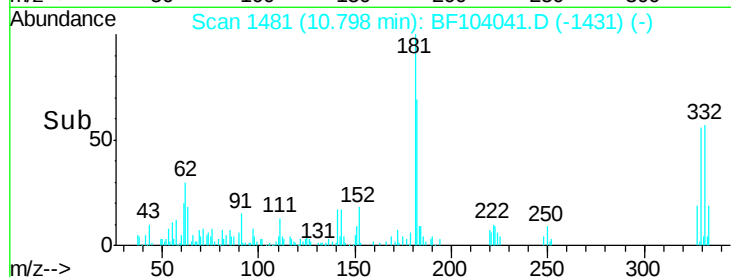
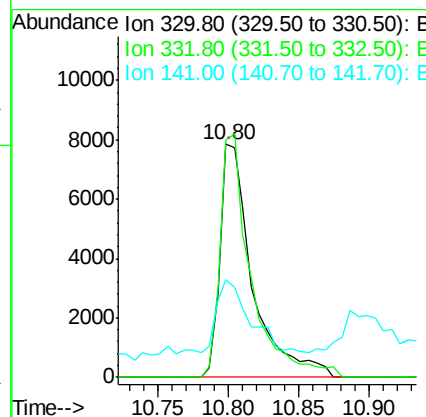
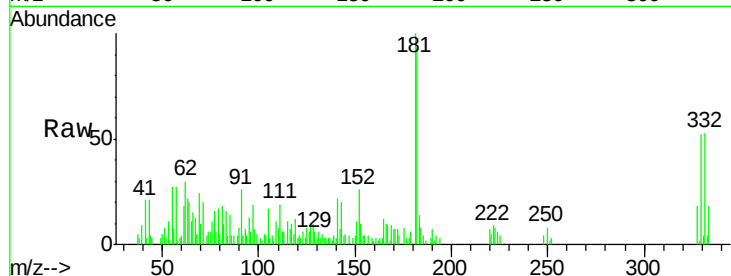
#41
 2,4,6-Tribromophenol
 Concen: 5.539 ng
 RT: 10.80 min Scan# 1481
 Delta R.T. -0.01 min
 Lab File: BF104041.D
 Acq: 29 Mar 2018 9:41

Instrument :
 BNA_F
 ClientSampleId :
 MW-103(2-3)DL

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.8	77.0	115.6
141	31.6	29.9	44.9

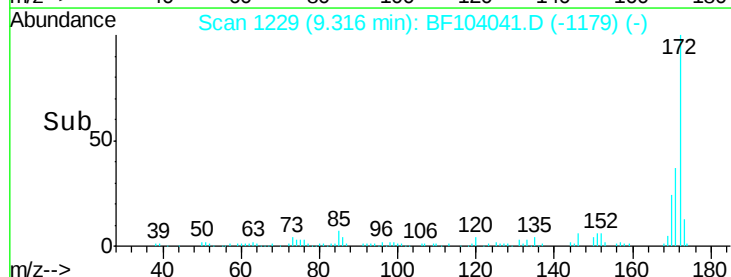
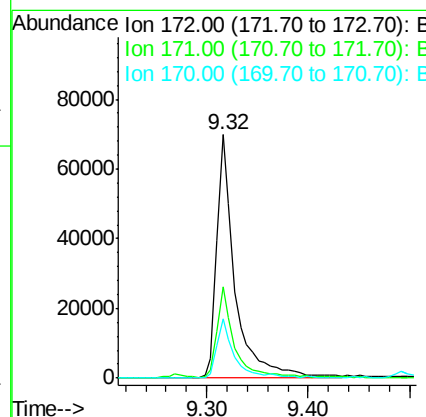
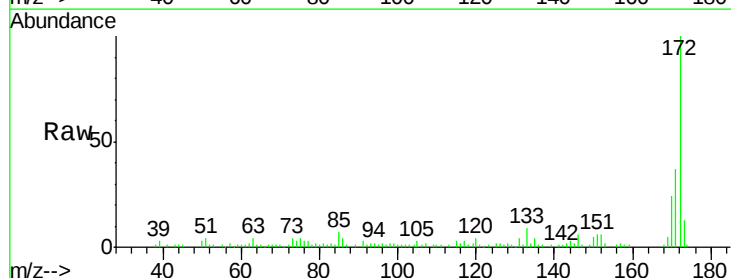
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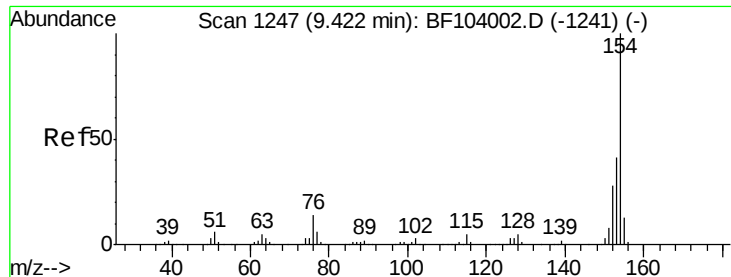
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#44
 2-Fluorobiphenyl
 Concen: 6.847 ng
 RT: 9.32 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: BF104041.D
 Acq: 29 Mar 2018 9:41

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.7	44.5
170	24.1	19.6	29.4





#45

1,1'-Biphenyl

Concen: 3.423 ng

RT: 9.42 min Scan# 1247

Delta R.T. -0.00 min

Lab File: BF104041.D

Acq: 29 Mar 2018 9:41

Instrument :

BNA_F

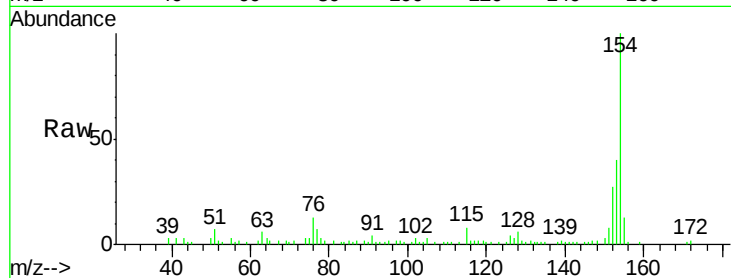
ClientSampleId :

MW-103(2-3)DL

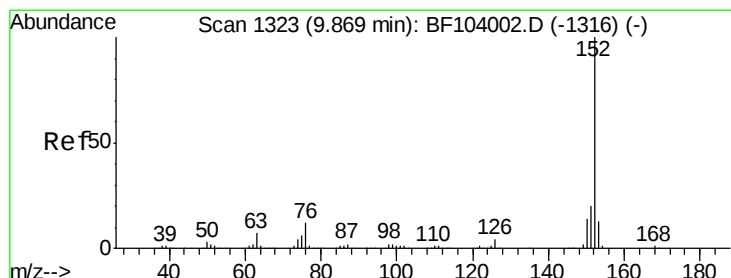
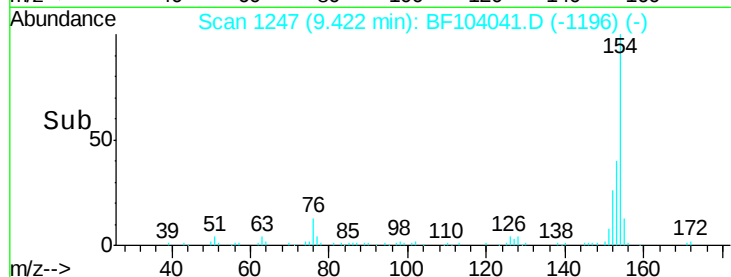
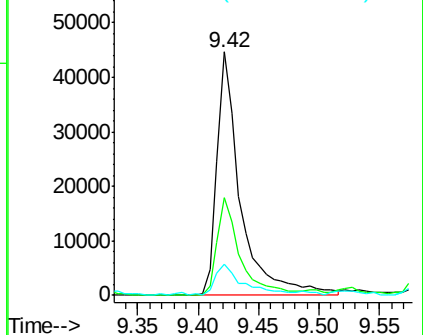
Tot Ion:	154	Resp:	60182
Ion Ratio	Lower	Upper	
154	100		
153	40.1	21.3	61.3
76	12.9	0.0	34.0

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Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1



#48

Acenaphthylene

Concen: 3.595 ng

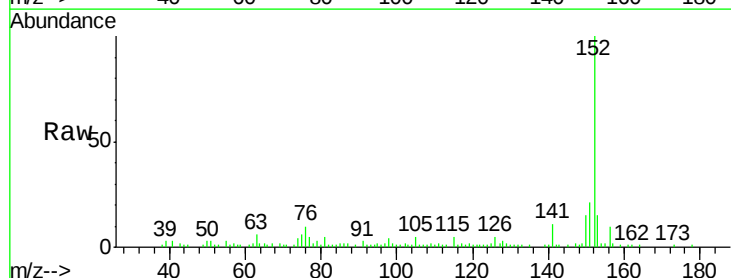
RT: 9.87 min Scan# 1323

Delta R.T. -0.00 min

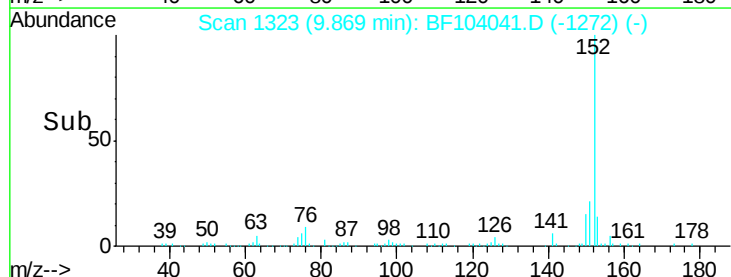
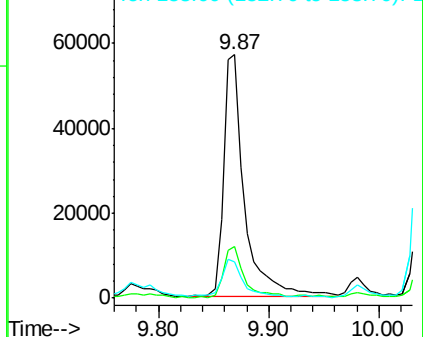
Lab File: BF104041.D

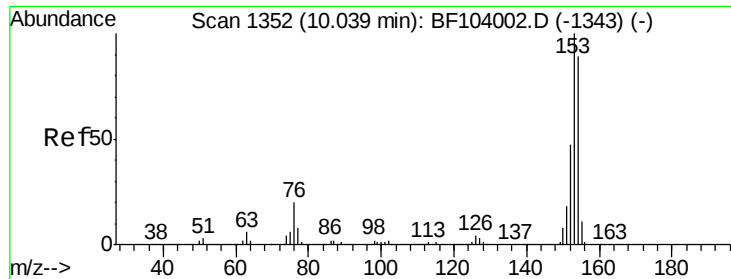
Acq: 29 Mar 2018 9:41

Tgt Ion:	152	Resp:	75533
Ion Ratio	Lower	Upper	
152	100		
151	21.2	16.3	24.5
153	14.7	10.7	16.1



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





#51

Acenaphthene

Concen: 2.919 ng

RT: 10.03 min Scan# 1351

Delta R.T. -0.01 min

Lab File: BF104041.D

Acq: 29 Mar 2018 9:41

Instrument :

BNA_F

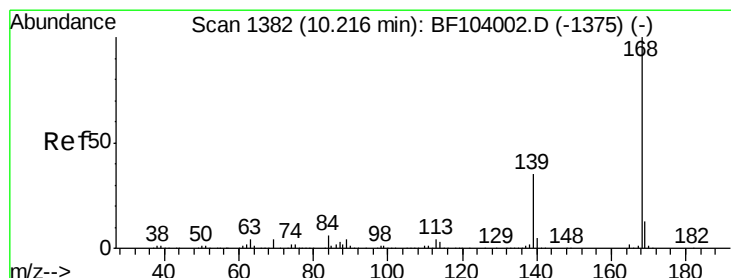
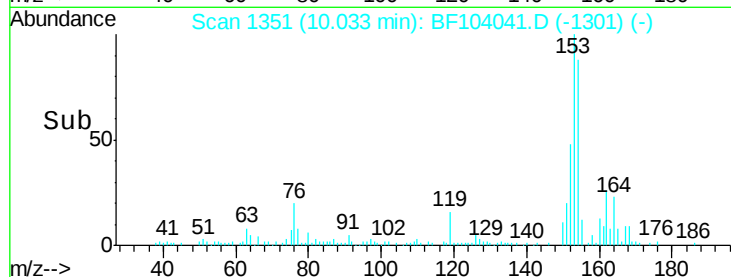
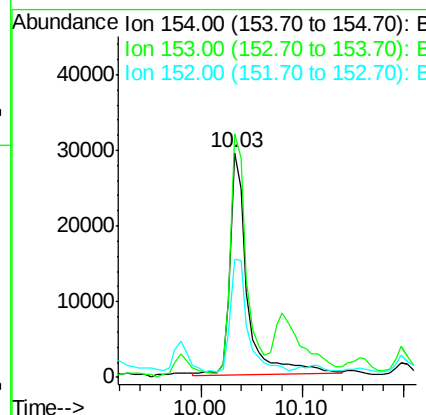
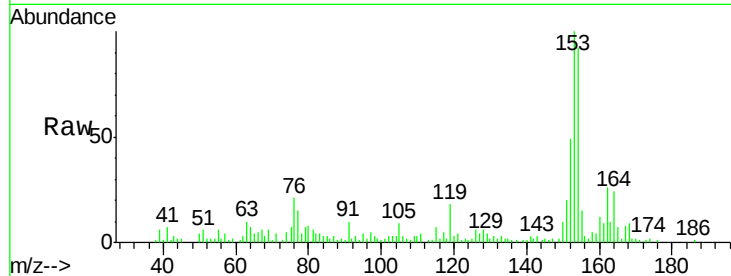
ClientSampleId :

MW-103(2-3)DL

Tot Ion:	154	Resp:	35477
Ion Ratio	Lower	Upper	
154	100		
153	108.4	91.2	136.8
152	52.8	43.8	65.8

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#54

Dibenzofuran

Concen: 7.295 ng

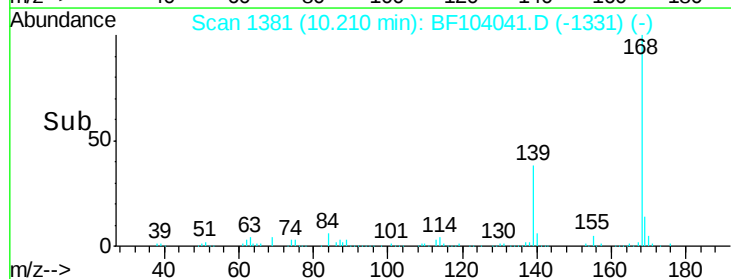
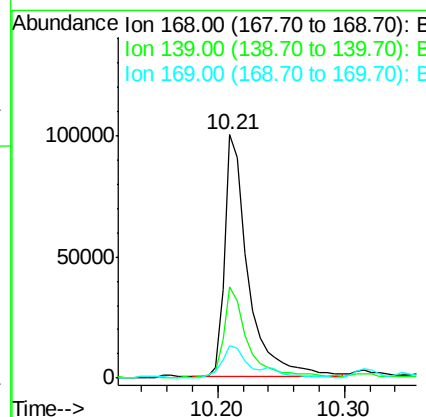
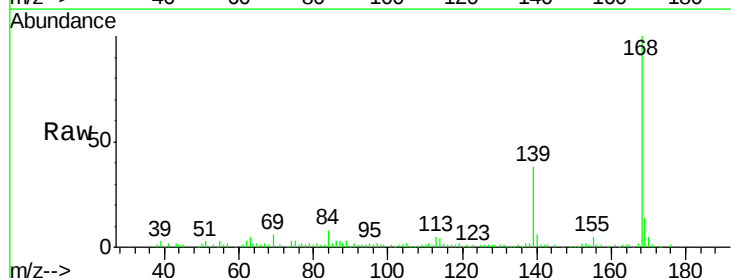
RT: 10.21 min Scan# 1381

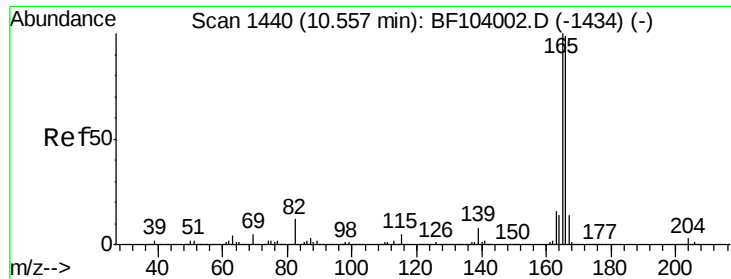
Delta R.T. -0.01 min

Lab File: BF104041.D

Acq: 29 Mar 2018 9:41

Tgt Ion:	168	Resp:	129474
Ion Ratio	Lower	Upper	
168	100		
139	37.7	30.1	45.1
169	13.6	10.9	16.3





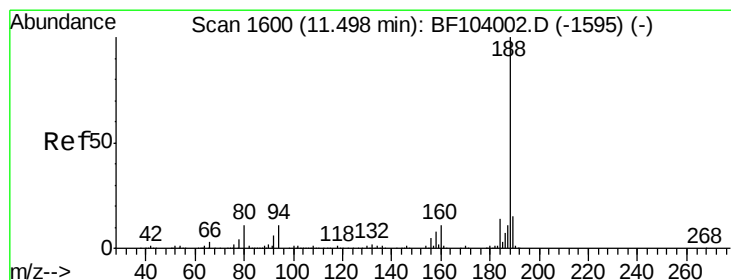
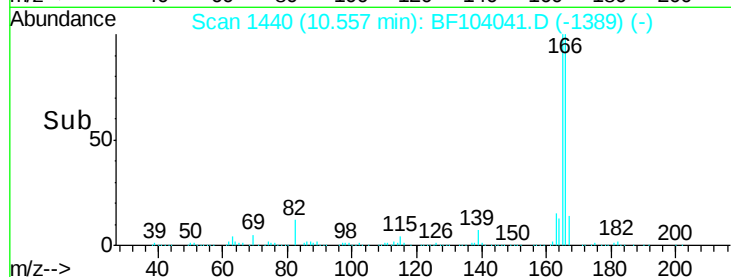
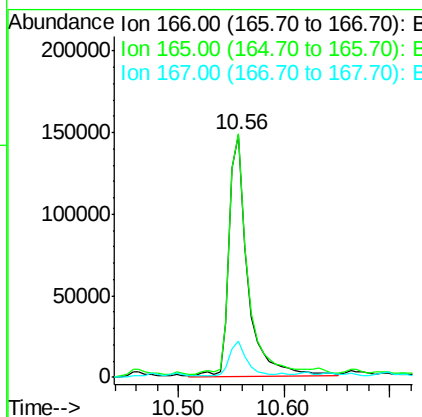
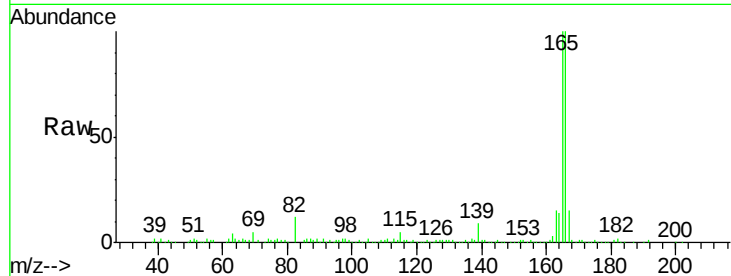
#57
Fluorene
 Concen: 12.344 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: BF104041.D
 Acq: 29 Mar 2018 9:41

Instrument :
 BNA_F
 ClientSampleId :
 MW-103(2-3)DL

Tot Ion	Ratio	Lower	Upper
166	100		
165	100.3	79.8	119.8
167	14.7	10.6	16.0

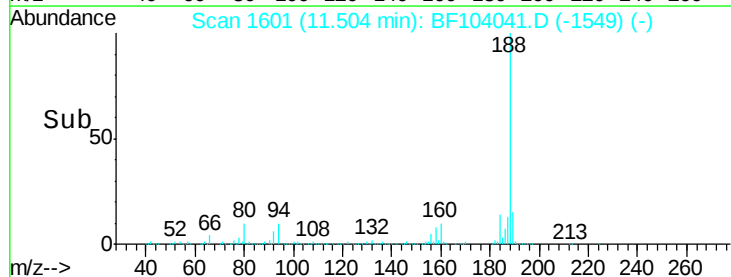
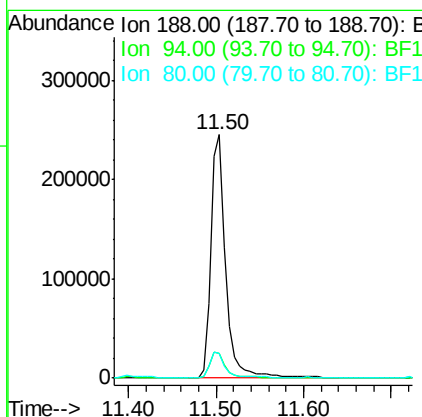
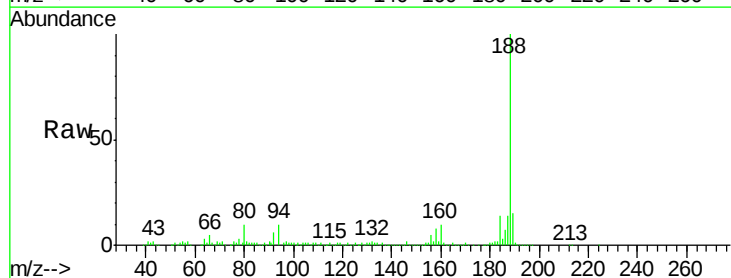
Manual Integrations
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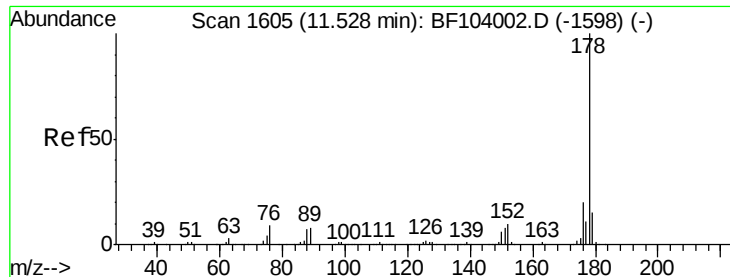
Sohil
 3/29/2018 5:37:58 PM



#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1601
 Delta R.T. 0.01 min
 Lab File: BF104041.D
 Acq: 29 Mar 2018 9:41

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.5	12.7
80	10.2	9.2	13.8





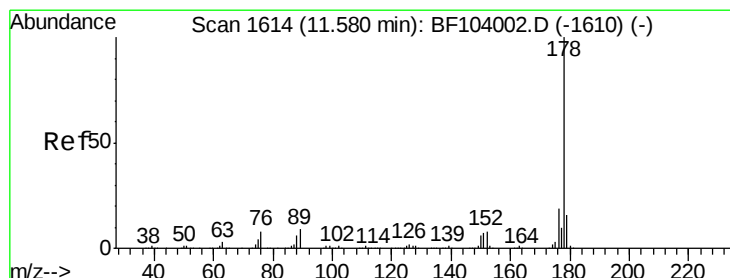
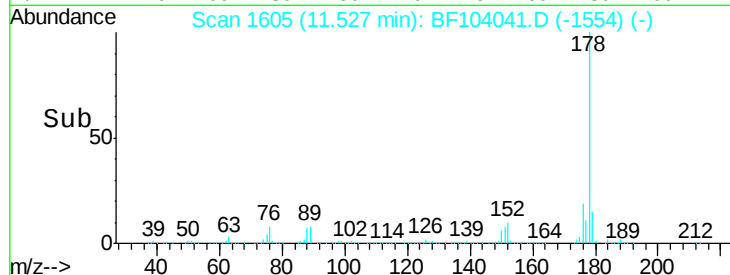
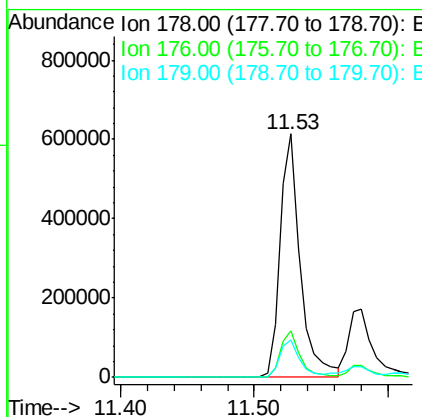
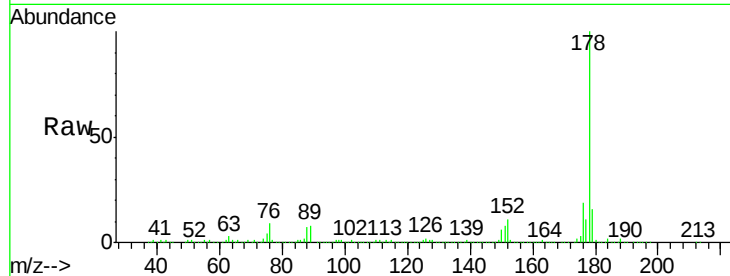
#70
Phenanthrene
Concen: 41.634 ng
RT: 11.53 min Scan# 1605
Delta R.T. -0.00 min
Lab File: BF104041.D
Acq: 29 Mar 2018 9:41

Instrument :
BNA_F
ClientSampleId :
MW-103(2-3)DL

Tot Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.8	23.8
179	15.5	13.0	19.6

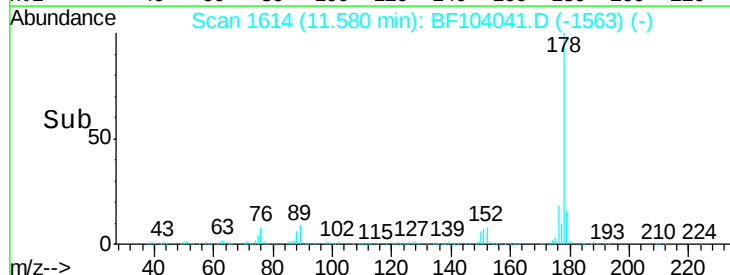
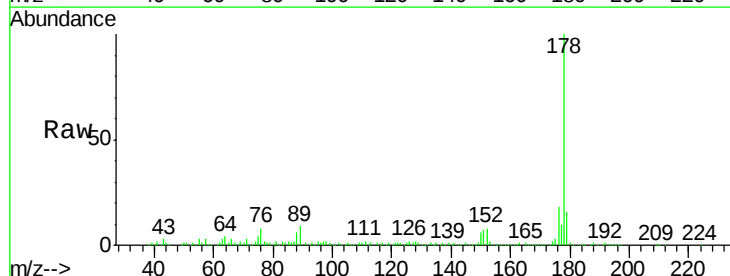
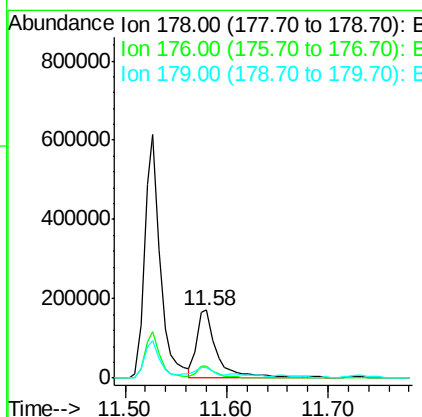
Manual Integrations
APPROVED

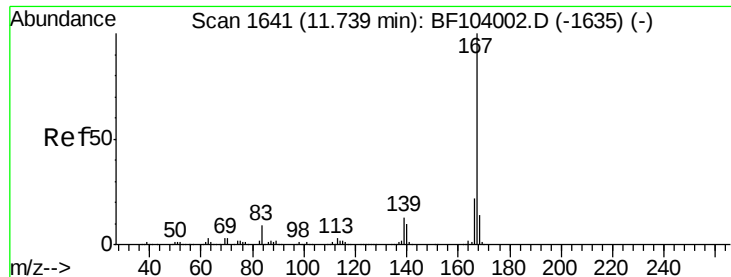
Sohil
3/29/2018 5:37:58 PM



#71
Anthracene
Concen: 14.200 ng
RT: 11.58 min Scan# 1614
Delta R.T. -0.00 min
Lab File: BF104041.D
Acq: 29 Mar 2018 9:41

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.4	23.2
179	16.3	12.6	19.0





#72

Carbazole

Concen: 3.373 ng

RT: 11.74 min Scan# 1641

Delta R.T. -0.00 min

Lab File: BF104041.D

Acq: 29 Mar 2018 9:41

Instrument :

BNA_F

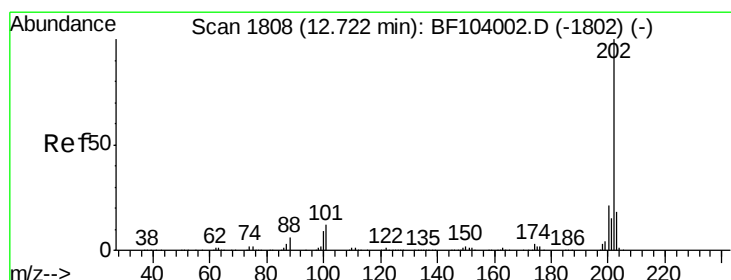
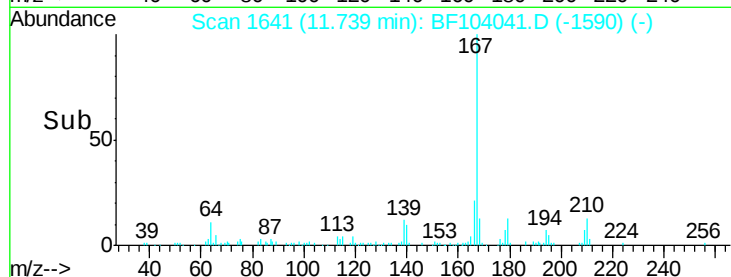
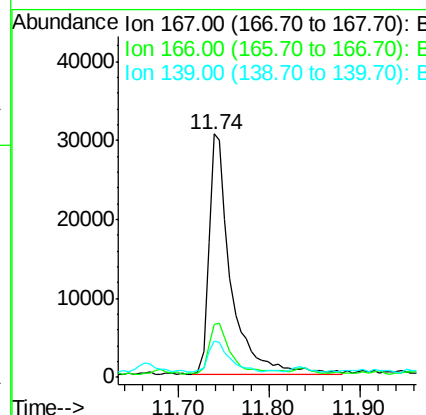
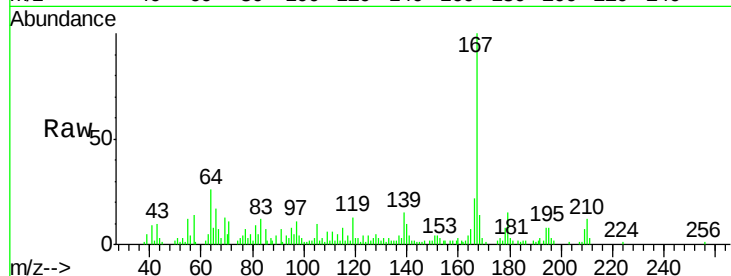
ClientSampleId :

MW-103(2-3)DL

Tot Ion:	167	Resp:	52441
Ion Ratio	Lower	Upper	
167	100		
166	21.9	17.6	26.4
139	14.9	10.9	16.3

Manual Integrations
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#74

Fluoranthene

Concen: 31.931 ng

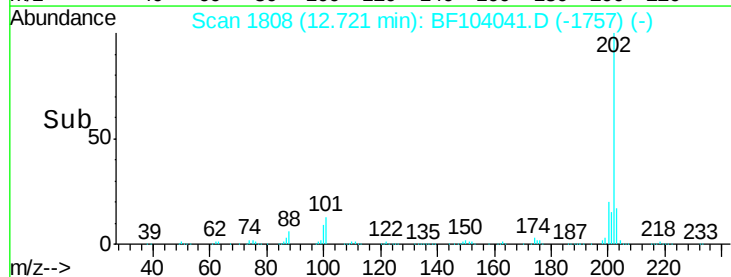
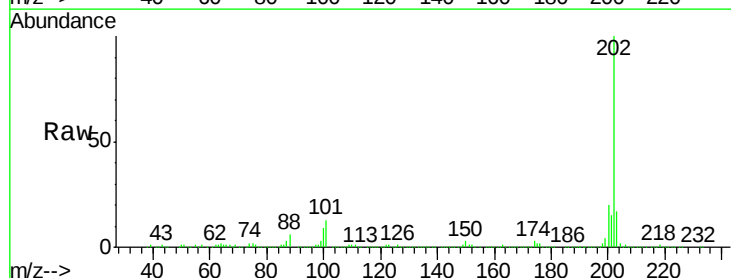
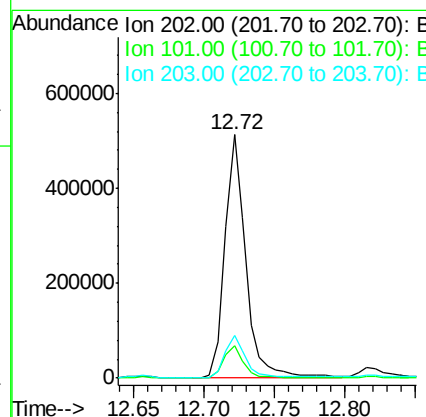
RT: 12.72 min Scan# 1808

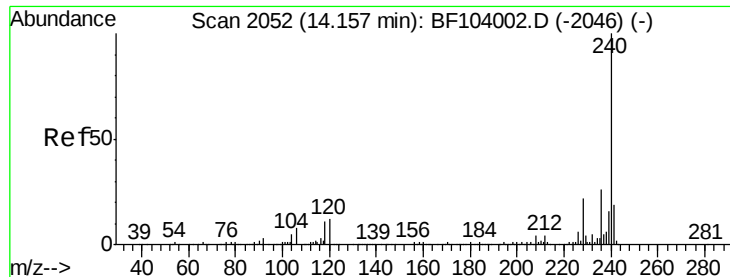
Delta R.T. -0.00 min

Lab File: BF104041.D

Acq: 29 Mar 2018 9:41

Tgt Ion:	202	Resp:	529244
Ion Ratio	Lower	Upper	
202	100		
101	13.1	0.0	34.1
203	17.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.00 min

Lab File: BF104041.D

Acq: 29 Mar 2018 9:41

Instrument :

BNA_F

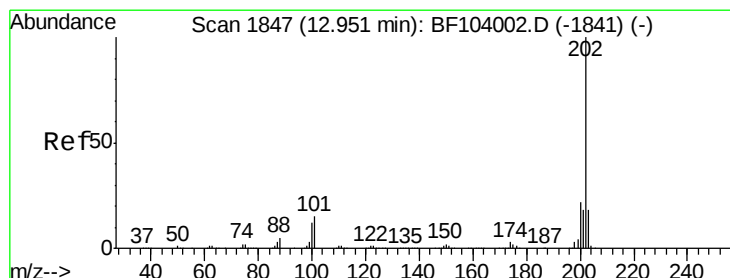
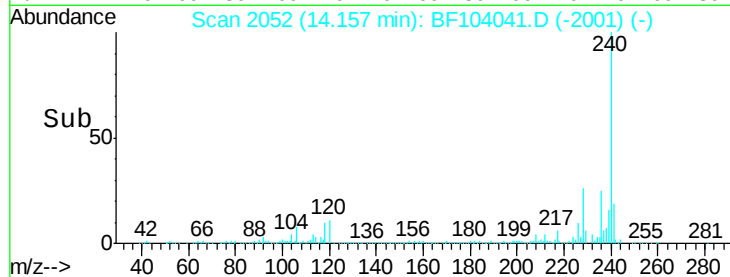
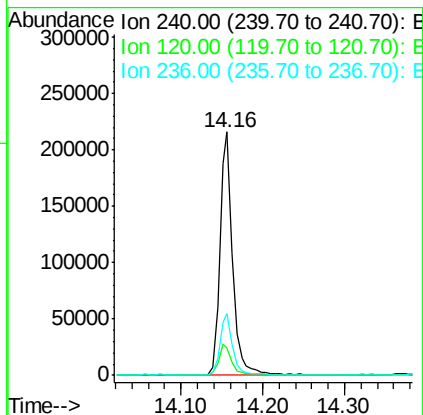
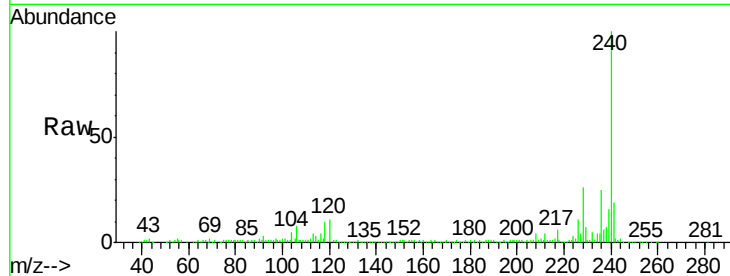
ClientSampleId :

MW-103(2-3)DL

Tot Ion:	240	Resp:	237215
Ion Ratio	Lower	Upper	
240	100		
120	11.4	9.5	14.3
236	25.2	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 29.297 ng

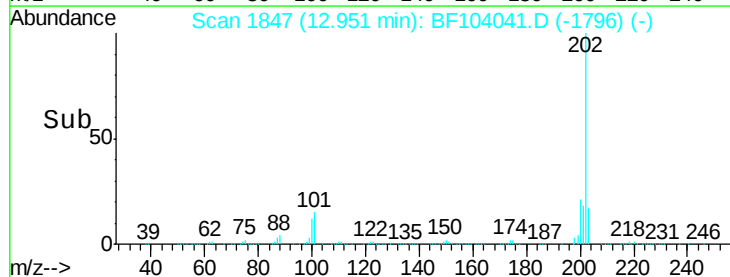
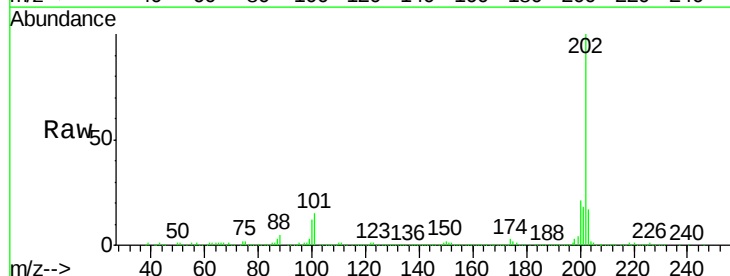
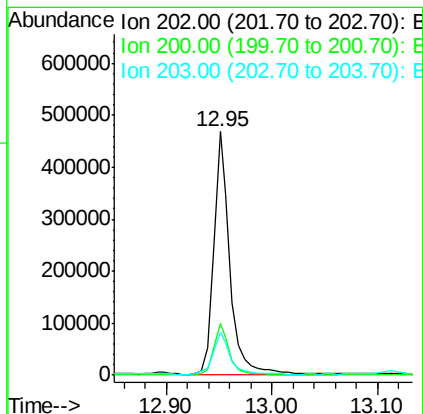
RT: 12.95 min Scan# 1847

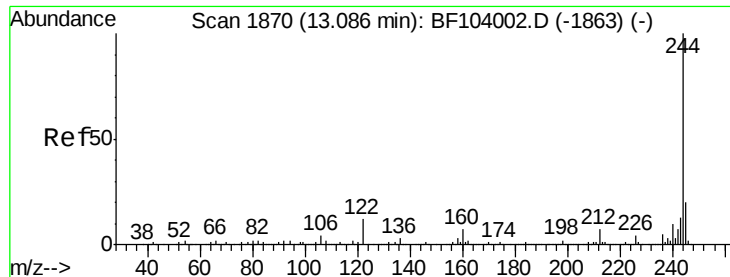
Delta R.T. -0.00 min

Lab File: BF104041.D

Acq: 29 Mar 2018 9:41

Tgt Ion:	202	Resp:	499582
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.4	26.2
203	17.5	14.3	21.5





#78

Terphenyl-d14

Concen: 6.270 ng

RT: 13.08 min Scan# 1869

Delta R.T. -0.01 min

Lab File: BF104041.D

Acq: 29 Mar 2018 9:41

Instrument :

BNA_F

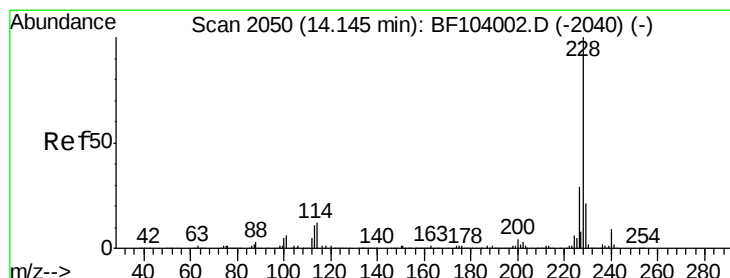
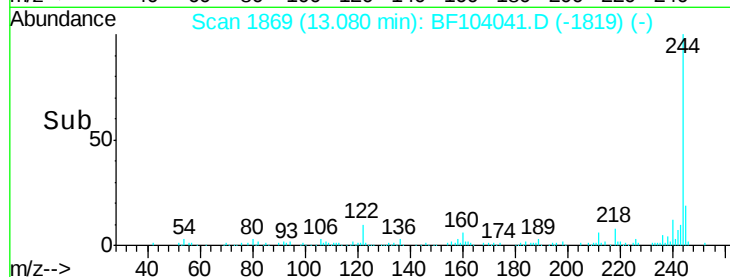
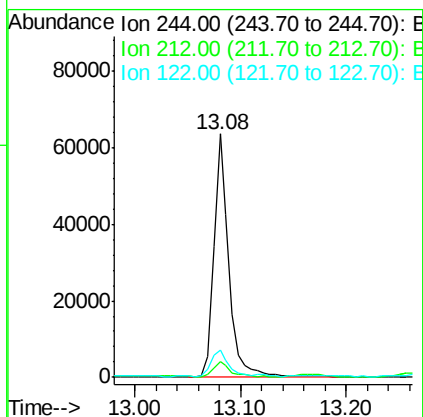
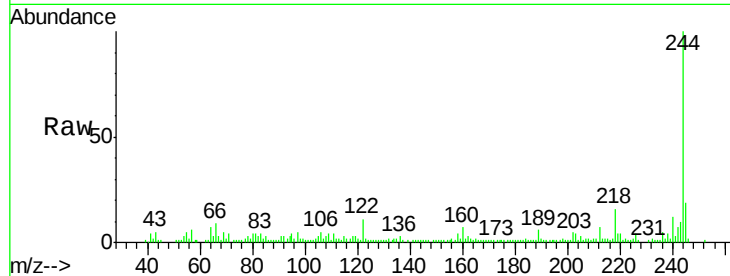
ClientSampleId :

MW-103(2-3)DL

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.0
122	11.2	11.0	16.4

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#80

Benzo(a)anthracene

Concen: 16.061 ng

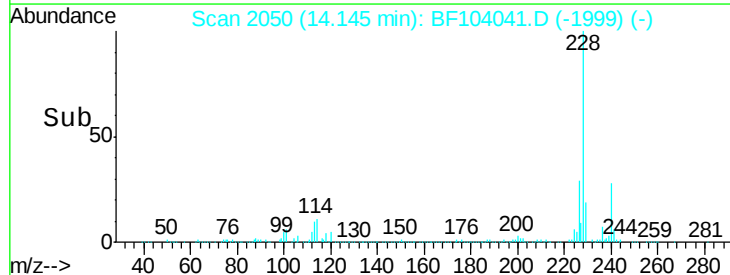
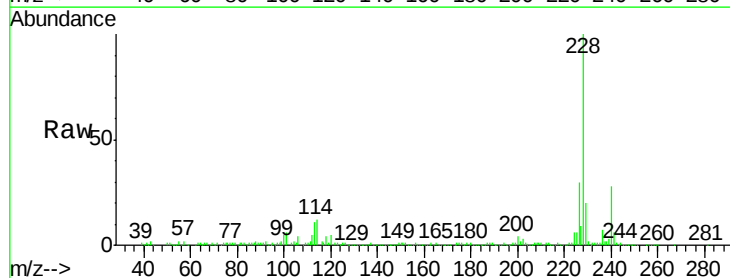
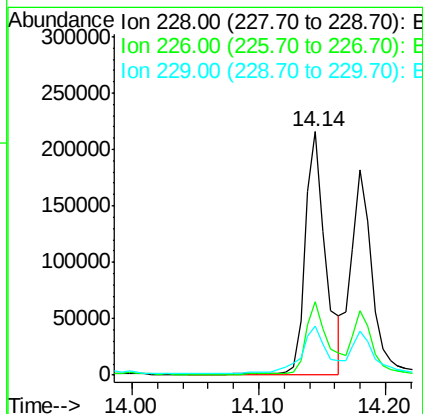
RT: 14.14 min Scan# 2050

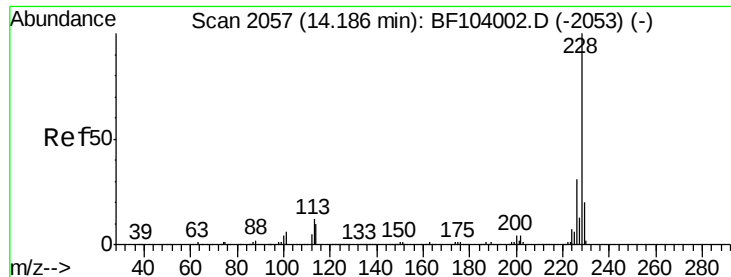
Delta R.T. -0.00 min

Lab File: BF104041.D

Acq: 29 Mar 2018 9:41

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	22.6	33.8
229	20.2	15.8	23.6





#82

Chrysene

Concen: 14.034 ng

RT: 14.18 min Scan# 2056

Delta R.T. -0.01 min

Lab File: BF104041.D

Acq: 29 Mar 2018 9:41

Instrument :

BNA_F

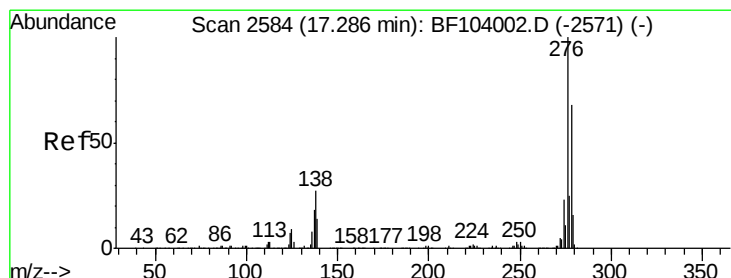
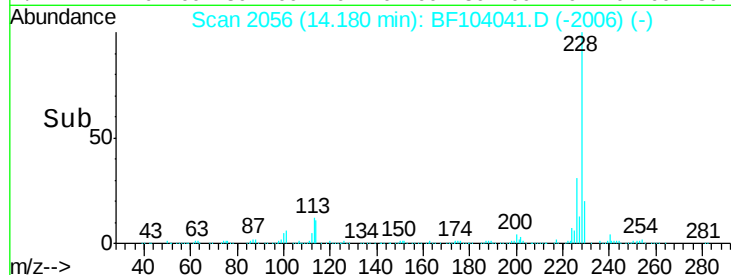
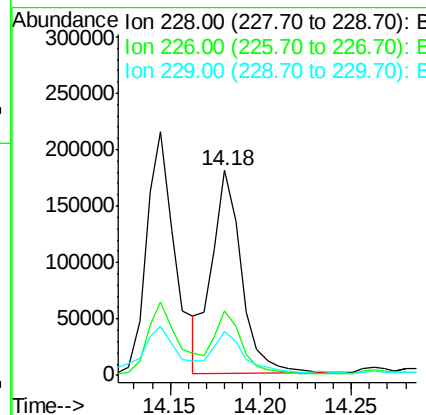
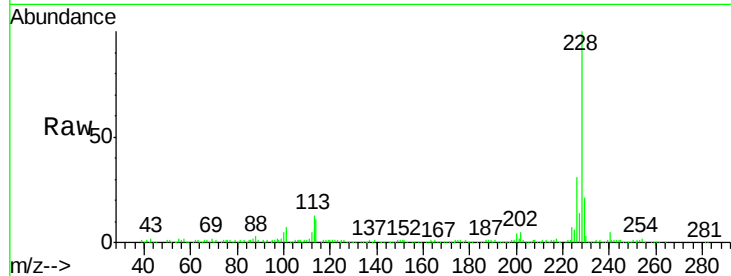
ClientSampleId :

MW-103(2-3)DL

Tot Ion:	228	Resp:	204030
Ion Ratio	Lower	Upper	
228	100		
226	31.4	25.0	37.6
229	21.1	16.2	24.4

Manual Integrations
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#85

Indeno(1,2,3-cd)pyrene

Concen: 4.302 ng m

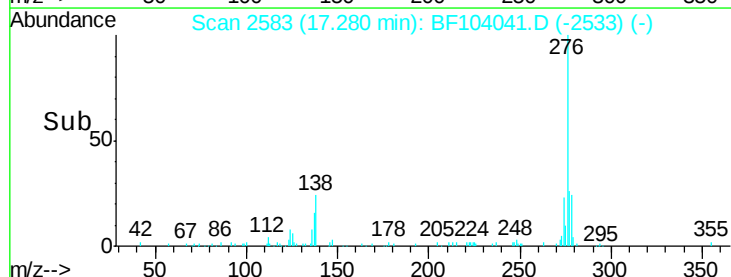
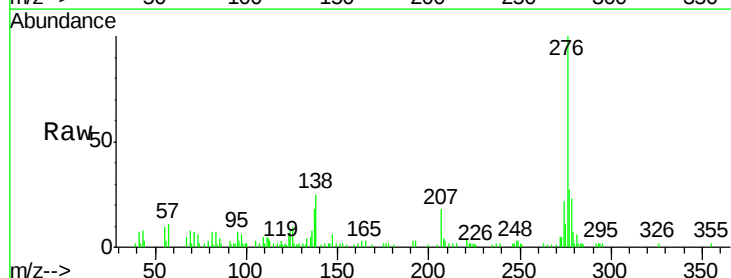
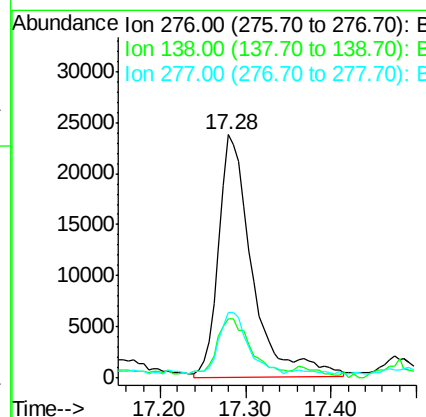
RT: 17.28 min Scan# 2583

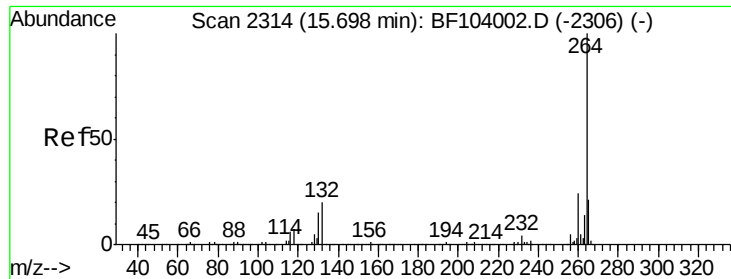
Delta R.T. -0.01 min

Lab File: BF104041.D

Acq: 29 Mar 2018 9:41

Tgt Ion:	276	Resp:	64810
Ion Ratio	Lower	Upper	
276	100		
138	22.7	25.0	37.6#
277	22.1	20.1	30.1





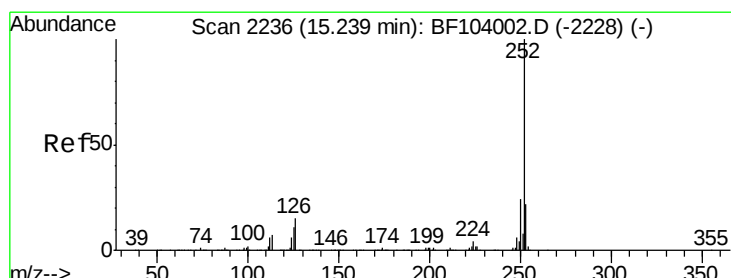
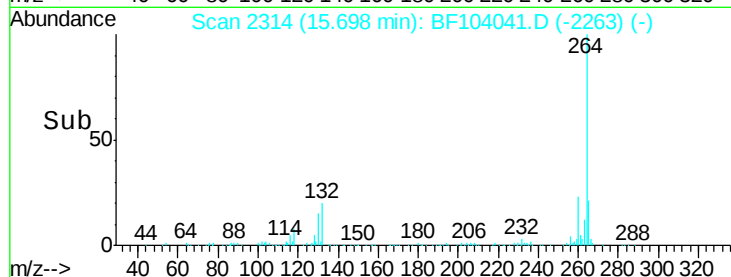
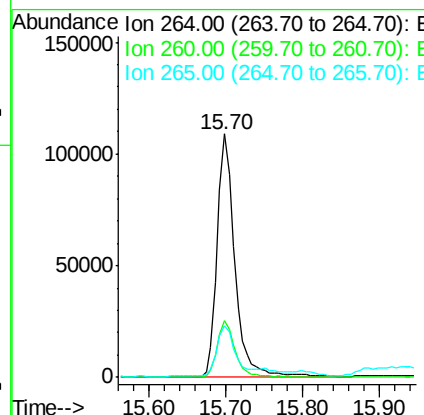
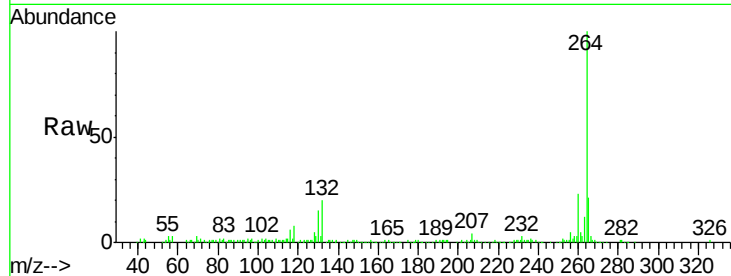
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2314
Delta R.T. -0.00 min
Lab File: BF104041.D
Acq: 29 Mar 2018 9:41

Instrument :
BNA_F
ClientSampleId :
MW-103(2-3)DL

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	21.0	17.5	26.3

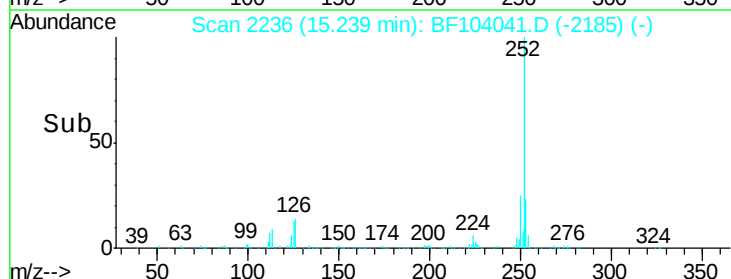
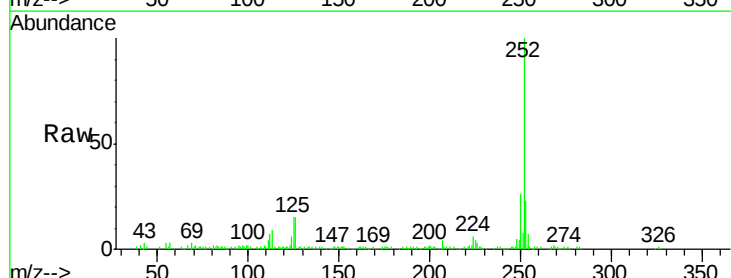
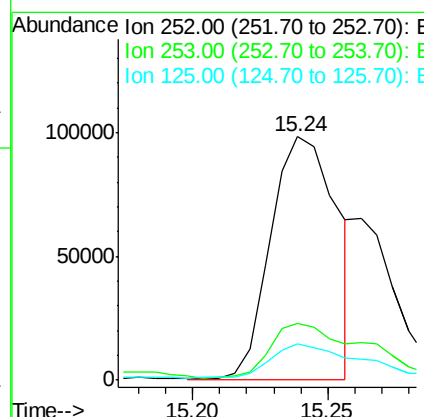
Manual Integrations
APPROVED

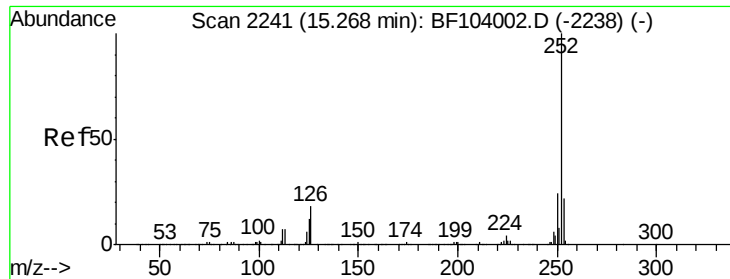
Sohil
3/29/2018 5:37:58 PM



#87
Benzo(b)fluoranthene
Concen: 15.945 ng m
RT: 15.24 min Scan# 2236
Delta R.T. -0.00 min
Lab File: BF104041.D
Acq: 29 Mar 2018 9:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	14.7	9.0	13.6#





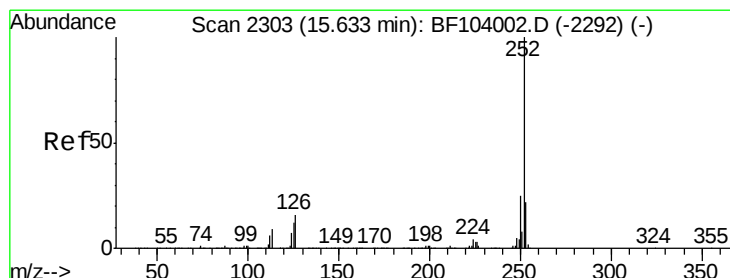
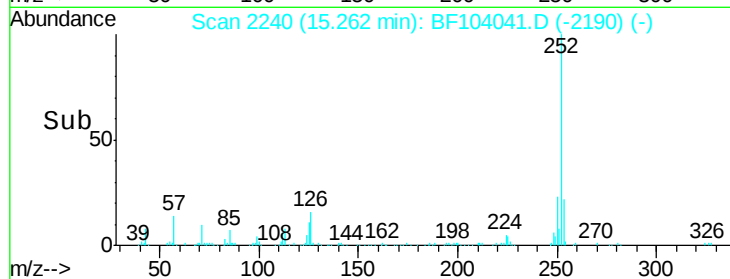
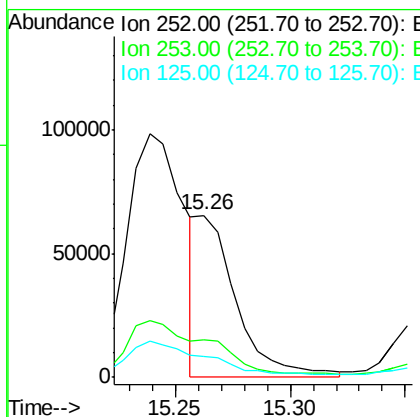
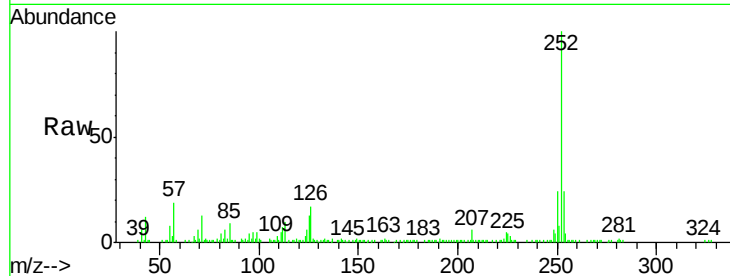
#88
Benzo(k)fluoranthene
Concen: 7.581 ng m
RT: 15.26 min Scan# 2240
Delta R.T. -0.01 min
Lab File: BF104041.D
Acq: 29 Mar 2018 9:41

Instrument :
BNA_F
ClientSampled :
MW-103(2-3)DL

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	12.9	10.2	15.2

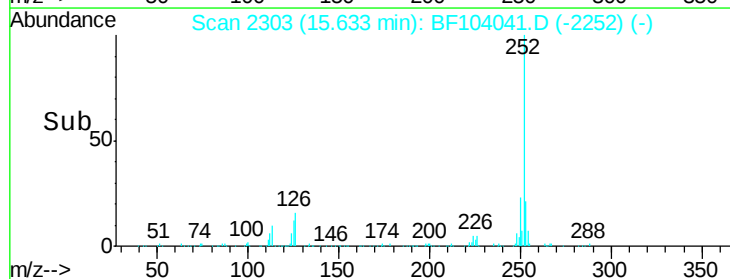
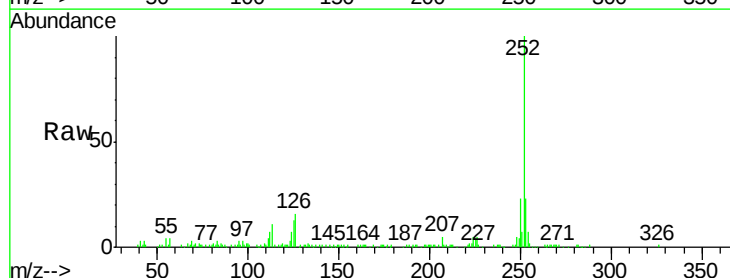
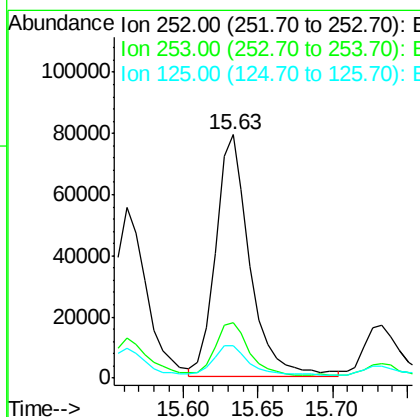
Manual Integrations
APPROVED

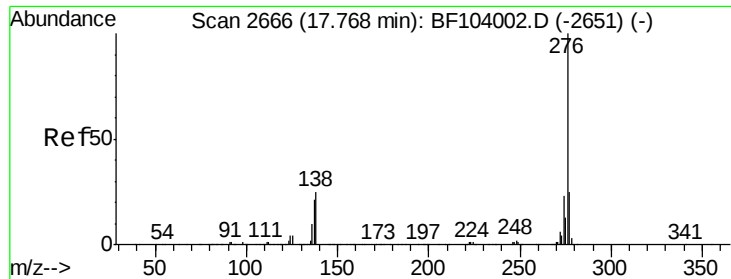
Sohil
3/29/2018 5:37:58 PM



#89
Benzo(a)pyrene
Concen: 12.823 ng
RT: 15.63 min Scan# 2303
Delta R.T. -0.00 min
Lab File: BF104041.D
Acq: 29 Mar 2018 9:41

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.1	25.7
125	13.5	9.8	14.6





#91
 Benzo(a,h,i)perylene
 Concen: 6.471 ng
 RT: 17.77 min Scan# 2666
 Delta R.T. -0.00 min
 Lab File: BF104041.D
 Acq: 29 Mar 2018 9:41

Instrument :
 BNA_F
 ClientSampleId :
 MW-103(2-3)DL

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.7	17.9	26.9
138	25.2	21.8	32.8

Manual Integrations
 APPROVED

Sohil
 3/29/2018 5:37:58 PM

