

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032018\
 Data File : BF103804.D
 Acq On : 20 Mar 2018 16:12
 Operator : JU/SJ
 Sample : J1982-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-105(3-4)

Manual Integrations
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Sohil
 3/22/2018 12:57:27 PM

Quant Time: Mar 21 12:33:06 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Mar 15 18:31:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	158020	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	606915	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	300120	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	428598	20.00	ng	0.02
75) Chrysene-d12	14.19	240	202657	20.00	ng	0.04
86) Perylene-d12	15.74	264	287637	20.00	ng	0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	908698	87.47	ng	0.01
7) Phenol-d6	6.59	99	1104708	86.91	ng	0.00
23) Nitrobenzene-d5	7.53	82	653007	75.03	ng	0.00
41) 2,4,6-Tribromophenol	10.81	330	219077	84.90	ng	0.01
44) 2-Fluorobiphenyl	9.33	172	1082624	57.54	ng	0.00
78) Terphenyl-d14	13.10	244	760313	87.08	ng	0.02
Target Compounds						
10) Phenol	6.60	94	43993	3.257	ng	Qvalue 81
31) Naphthalene	8.28	128	1492034	48.667	ng	99
37) 2-Methylnaphthalene	8.97	142	619980	31.889	ng	100
45) 1,1'-Biphenyl	9.43	154	224808	8.983	ng	99
48) Acenaphthylene	9.88	152	1419189	46.044	ng	100
49) Dimethylphthalate	9.72	163	119868	5.235	ng	99
51) Acenaphthene	10.05	154	438803	23.976	ng	99
54) Dibenzofuran	10.22	168	508093	19.438	ng	# 96
57) Fluorene	10.57	166	999353	49.271	ng	99
70) Phenanthrene	11.55	178	4069757	173.585	ng	99
71) Anthracene	11.60	178	1874124	78.704	ng	99
72) Carbazole	11.74	167	349577	15.104	ng	98
74) Fluoranthene	12.76	202	3996006	165.439	ng	97
77) Pyrene	13.00	202	4048639	272.031	ng	97
80) Benzo(a)anthracene	14.17	228	2712253	211.430	ng	# 89
82) Chrysene	14.22	228	2230046m	182.365	ng	
85) Indeno(1,2,3-cd)pyrene	17.36	276	1491082	139.627	ng	# 93
87) Benzo(b)fluoranthene	15.29	252	3431319m	188.822	ng	
88) Benzo(k)fluoranthene	15.32	252	785538m	44.969	ng	
89) Benzo(a)pyrene	15.69	252	2714866	164.713	ng	95
90) Dibenzo(a,h)anthracene	17.36	278	436070m	30.554	ng	
91) Benzo(g,h,i)perylene	17.85	276	1478576	106.491	ng	96

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

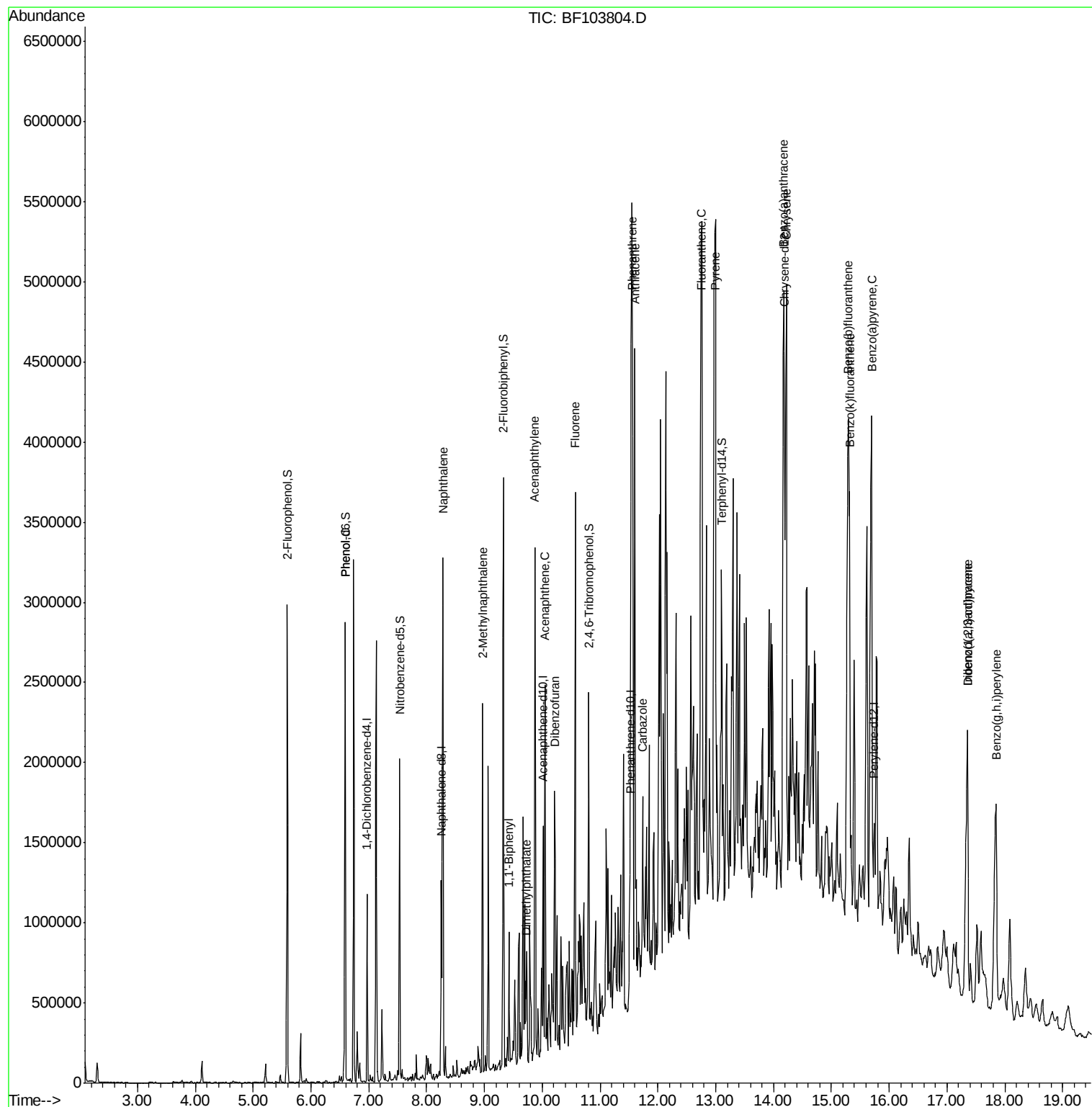
Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA F\DATA\BF032018\
Data File : BF103804.D
Acq On : 20 Mar 2018 16:12
Operator : JU/SJ
Sample : J1982-01
Misc :
ALS Vial : 7 Sample Multiplier: 1

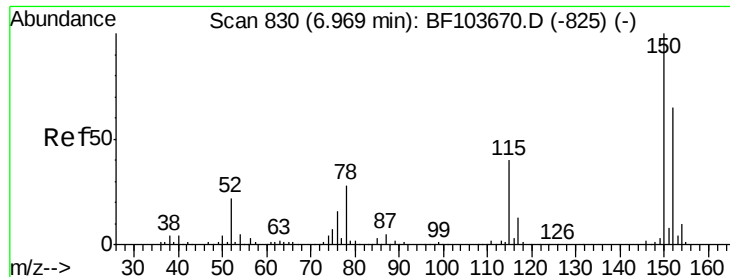
Instrument :
BNA_F
ClientSampled :
MW-105(3-4)

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Quant Time: Mar 21 12:33:06 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF031518.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Mar 15 18:31:53 2018
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#1

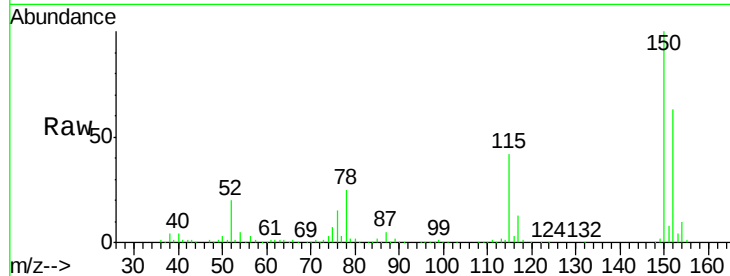
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 830
Delta R.T. 0.00 min
Lab File: BF103804.D
Acq: 20 Mar 2018 16:12

Instrument :
BNA_F
ClientSampleId :
MW-105(3-4)

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.7	124.6	186.8
115	65.5	50.1	75.1

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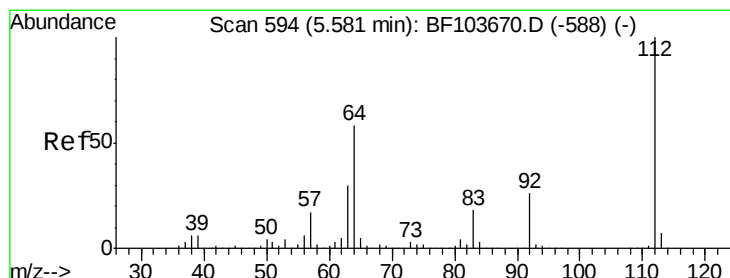
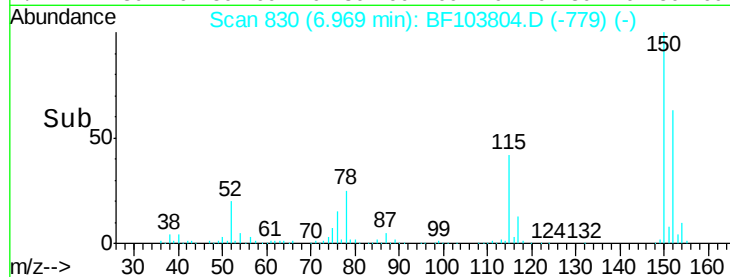
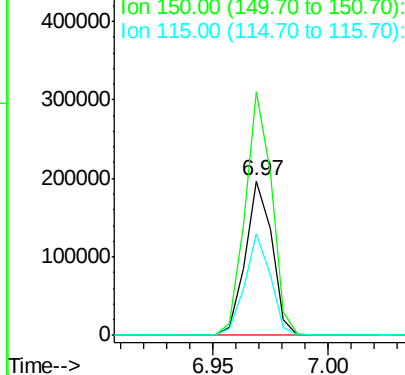


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

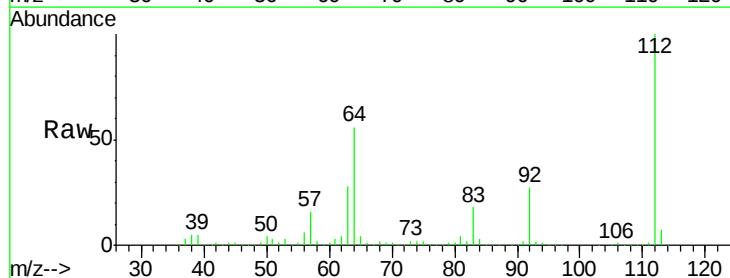
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 87.465 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.01 min
Lab File: BF103804.D
Acq: 20 Mar 2018 16:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.1	47.9	71.9
63	28.1	23.7	35.5

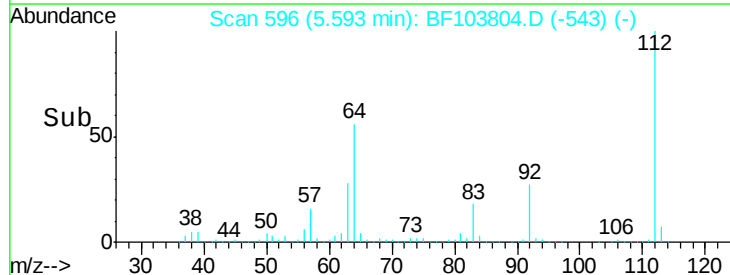
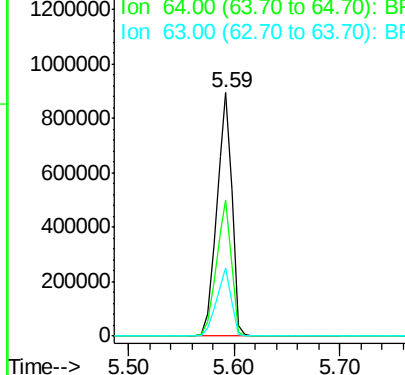


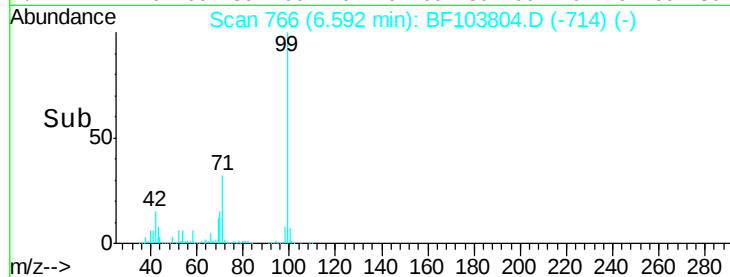
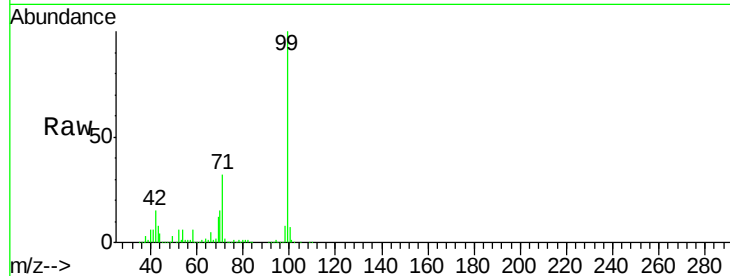
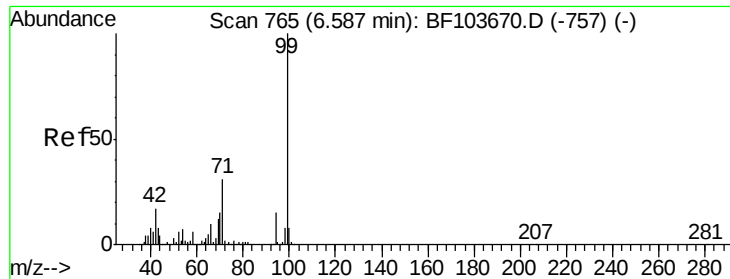
Abundance

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: 86.913 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.01 min

Lab File: BF103804.D

Acq: 20 Mar 2018 16:12

Tot Ion: 99 Resp: 1104708

Ion Ratio Lower Upper

99 100

42 15.4 14.5 21.7

71 31.7 25.4 38.0

Instrument :

BNA_F

ClientSampled :

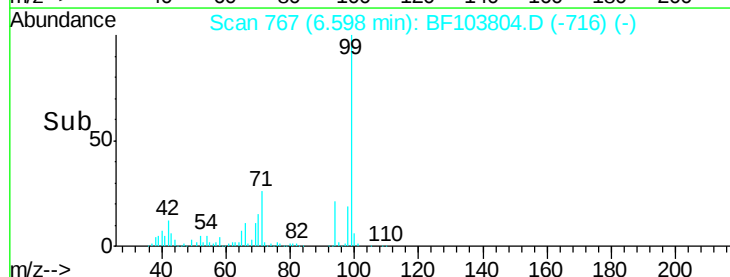
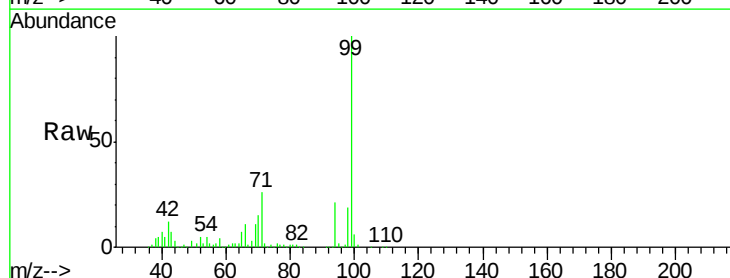
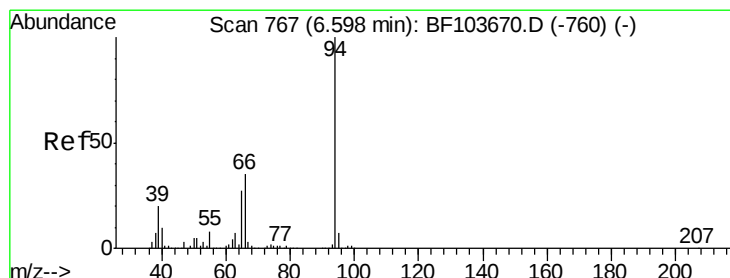
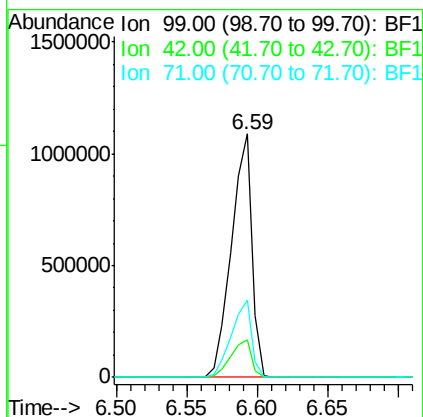
MW-105(3-4)

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#10

Phenol

Concen: 3.257 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.00 min

Lab File: BF103804.D

Acq: 20 Mar 2018 16:12

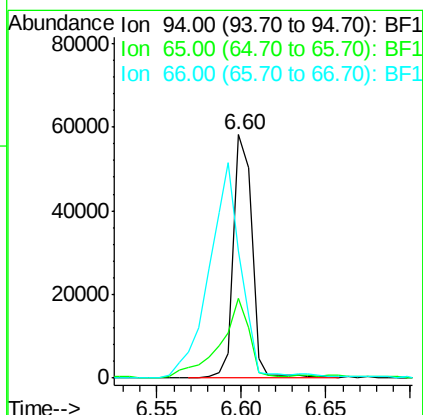
Tgt Ion: 94 Resp: 43993

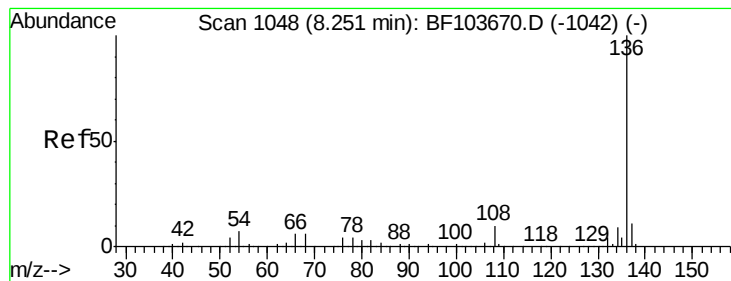
Ion Ratio Lower Upper

94 100

65 32.6 7.9 47.9

66 52.3 16.2 56.2





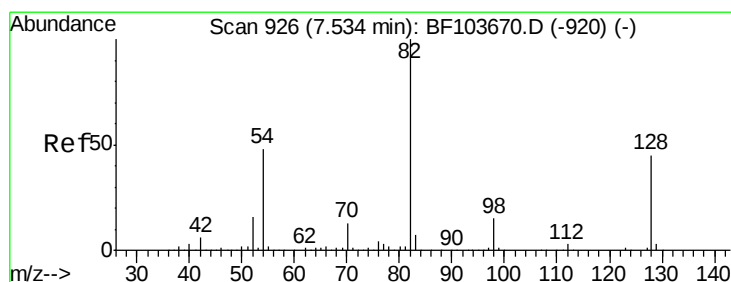
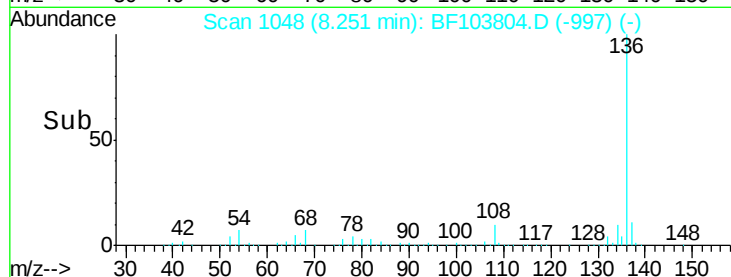
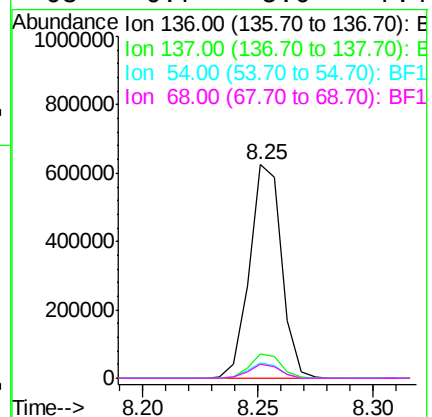
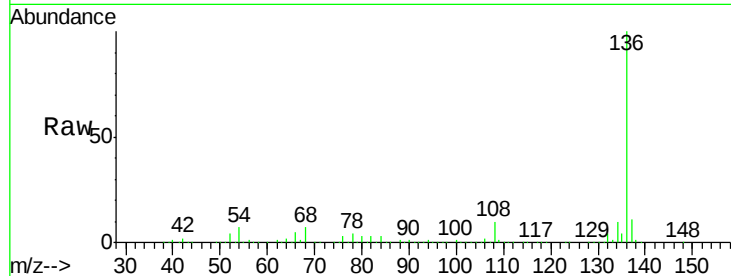
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1048
Delta R.T. 0.00 min
Lab File: BF103804.D
Acq: 20 Mar 2018 16:12

Instrument :
BNA_F
ClientSampleId :
MW-105(3-4)

Tot Ion	Ratio	Resp	Lower	Upper
136	100	606915		
137	11.2	8.9	13.3	
54	7.4	6.6	9.8	
68	6.7	5.0	7.4	

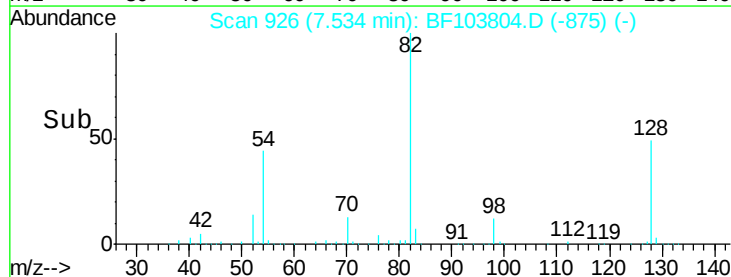
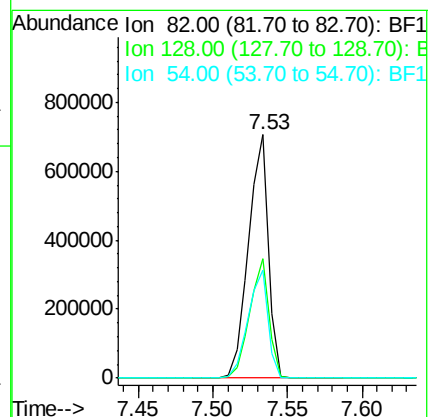
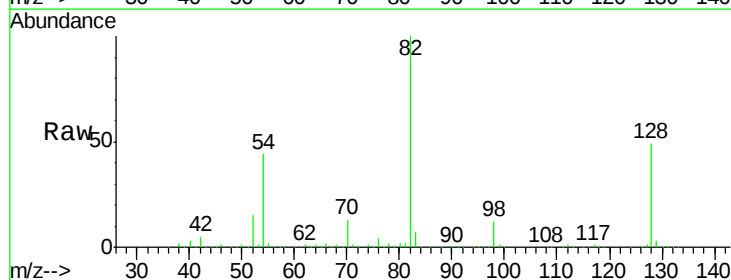
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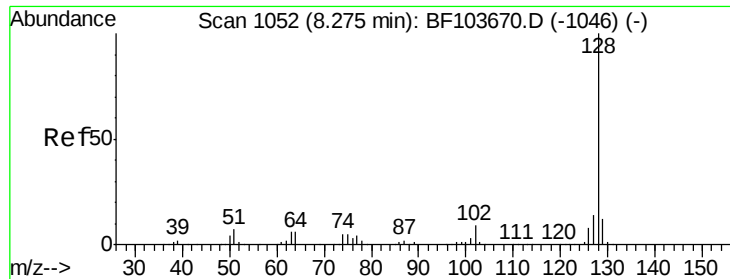
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#23
Nitrobenzene-d5
Concen: 75.032 ng
RT: 7.53 min Scan# 926
Delta R.T. 0.00 min
Lab File: BF103804.D
Acq: 20 Mar 2018 16:12

Tgt Ion	Ratio	Resp	Lower	Upper
82	100	653007		
128	48.8	36.1	54.1	
54	44.4	41.4	62.2	





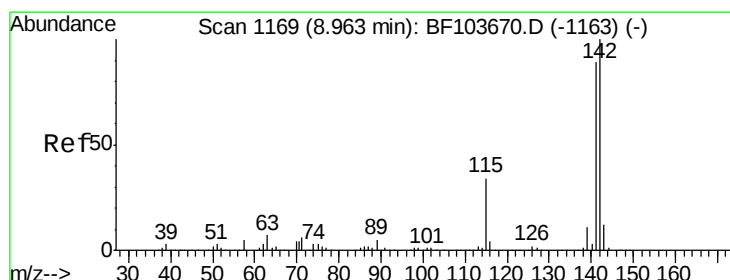
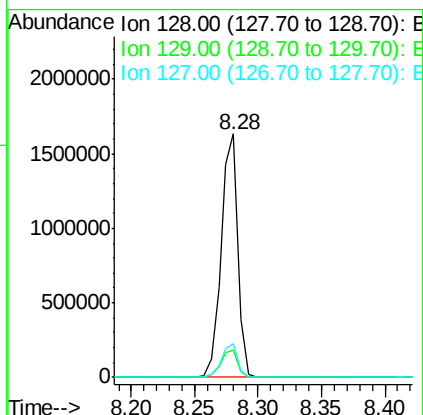
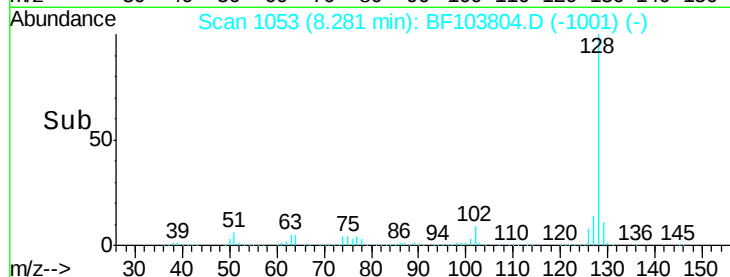
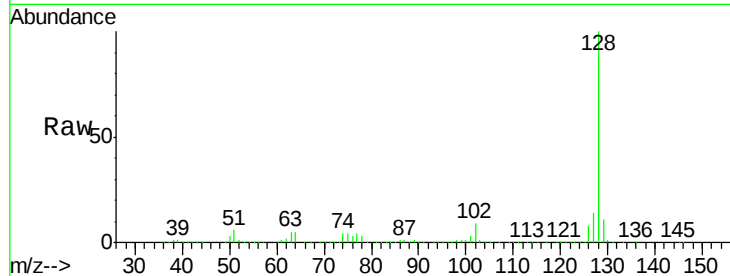
#31
Naphthalene
Concen: 48.667 ng
RT: 8.28 min Scan# 1053
Delta R.T. 0.01 min
Lab File: BF103804.D
Acq: 20 Mar 2018 16:12

Instrument :
BNA_F
ClientSampleId :
MW-105(3-4)

Tot Ion:128 Resp: 1492034
Ion Ratio Lower Upper
128 100
129 11.3 8.8 13.2
127 13.7 10.9 16.3

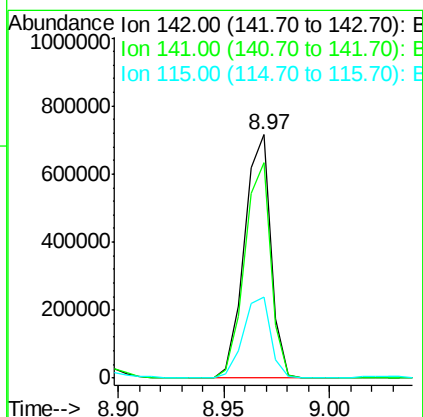
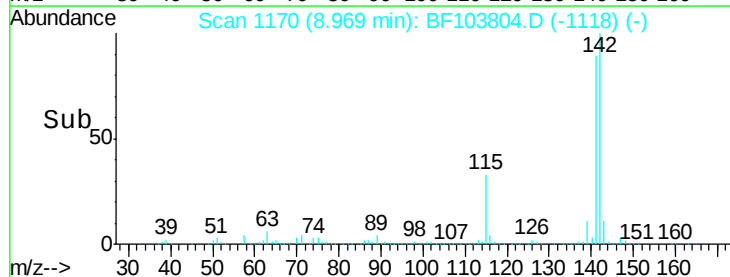
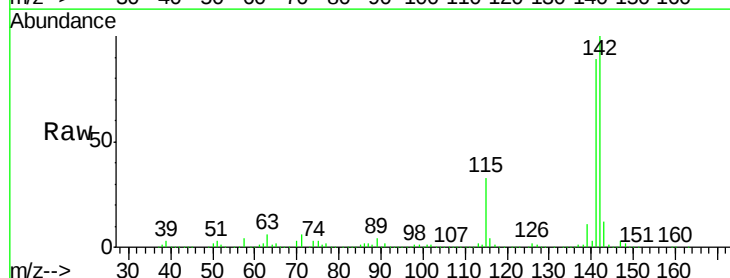
Manual Integrations
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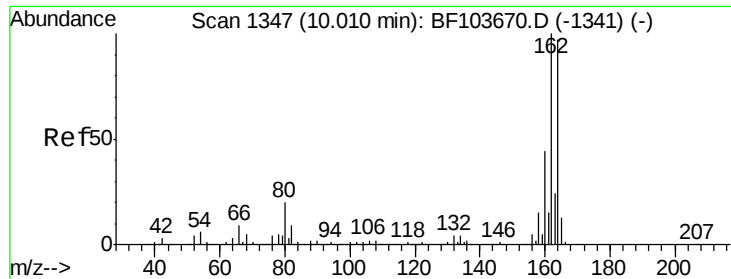
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#37
2-Methylnaphthalene
Concen: 31.889 ng
RT: 8.97 min Scan# 1170
Delta R.T. 0.01 min
Lab File: BF103804.D
Acq: 20 Mar 2018 16:12

Tgt Ion:142 Resp: 619980
Ion Ratio Lower Upper
142 100
141 88.7 70.8 106.2
115 33.2 26.1 39.1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1347

Delta R.T. 0.00 min

Lab File: BF103804.D

Acq: 20 Mar 2018 16:12

Instrument :

BNA_F

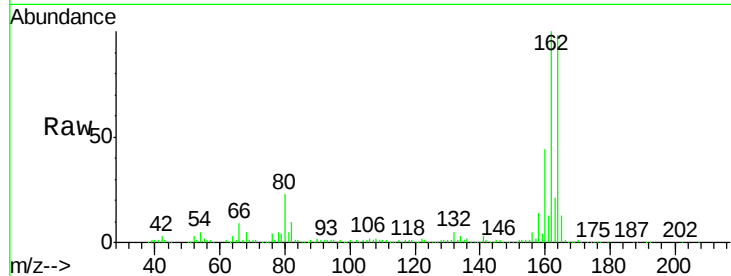
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MW-105(3-4)

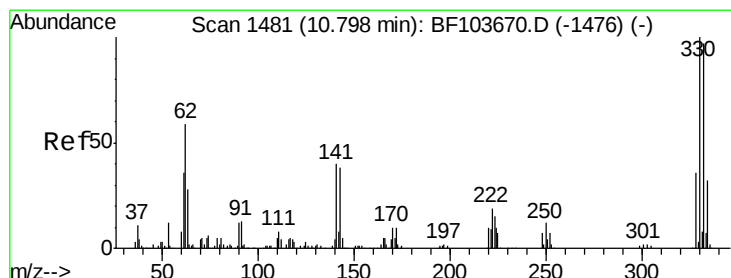
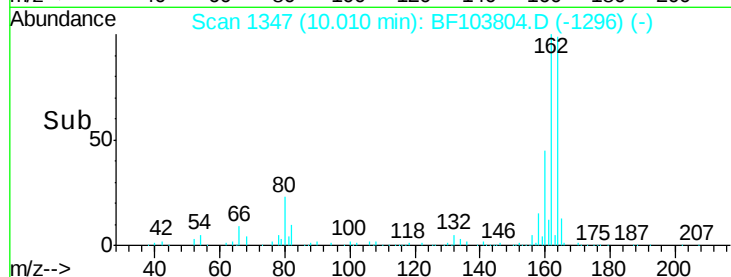
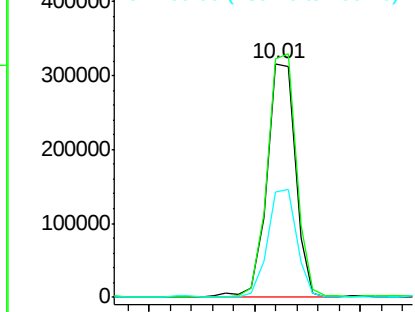
Tot Ion:	164	Resp:	300120
Ion	Ratio	Lower	Upper
164	100		
162	102.3	86.1	129.1
160	45.2	38.3	57.5

Manual Integrations
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Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 84.899 ng

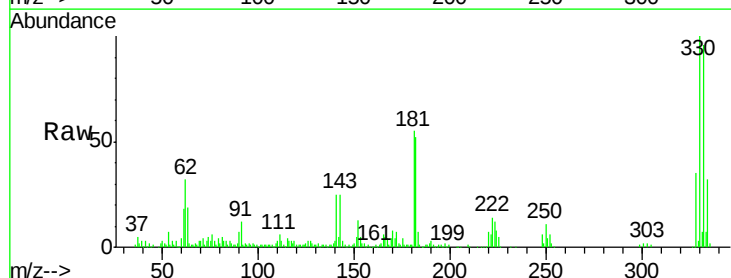
RT: 10.81 min Scan# 1483

Delta R.T. 0.01 min

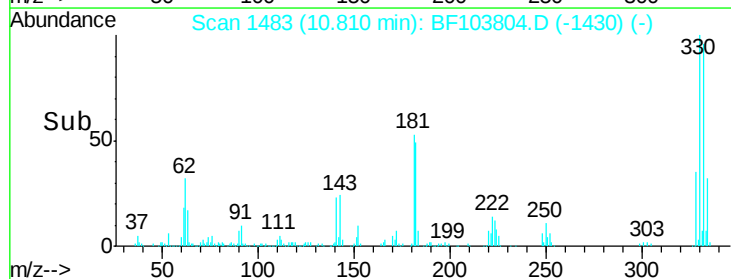
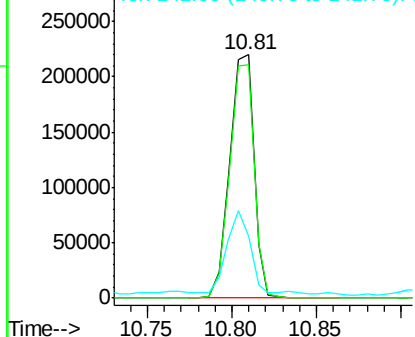
Lab File: BF103804.D

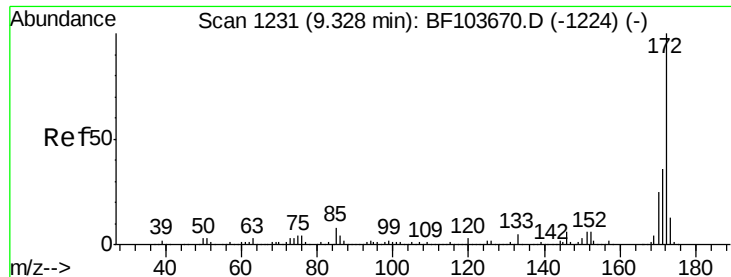
Acq: 20 Mar 2018 16:12

Tgt Ion:	330	Resp:	219077
Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.6
141	31.4	29.9	44.9



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





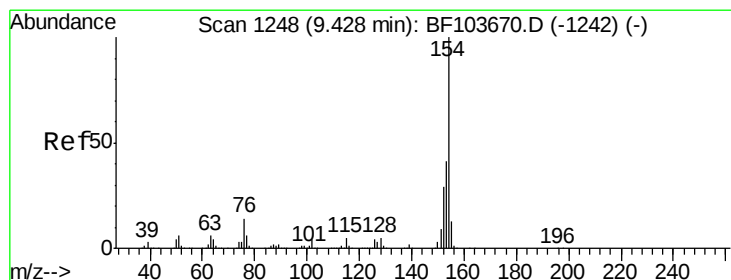
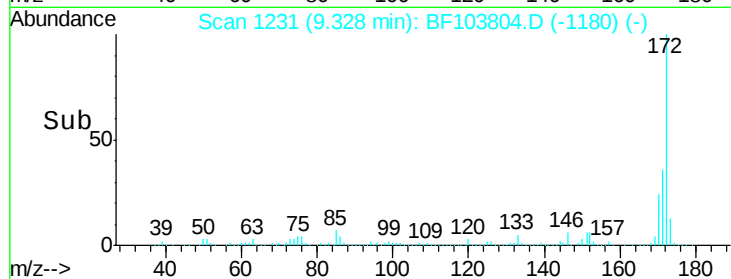
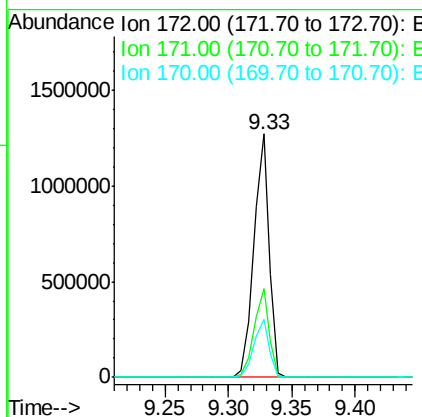
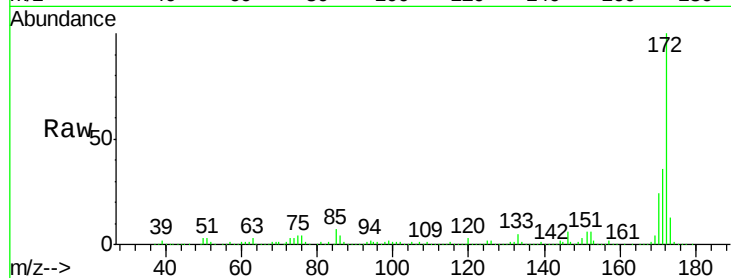
#44
2-Fluorobiphenyl
Concen: 57.542 ng
RT: 9.33 min Scan# 1231
Delta R.T. 0.00 min
Lab File: BF103804.D
Acq: 20 Mar 2018 16:12

Instrument :
BNA_F
ClientSampleId :
MW-105(3-4)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	24.1	19.6	29.4

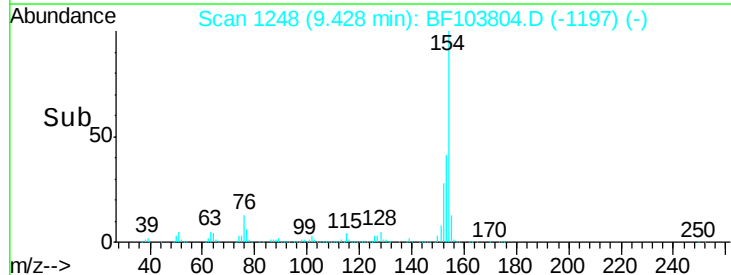
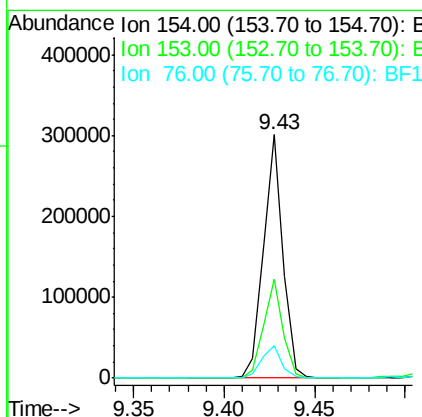
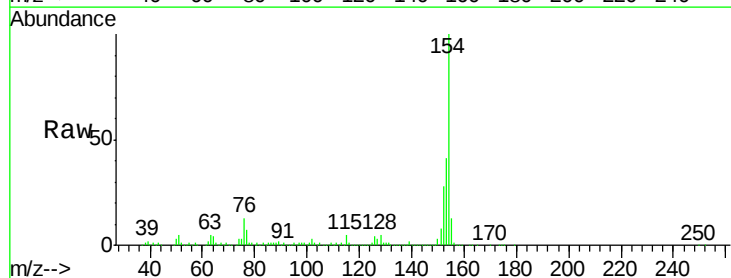
Manual Integrations
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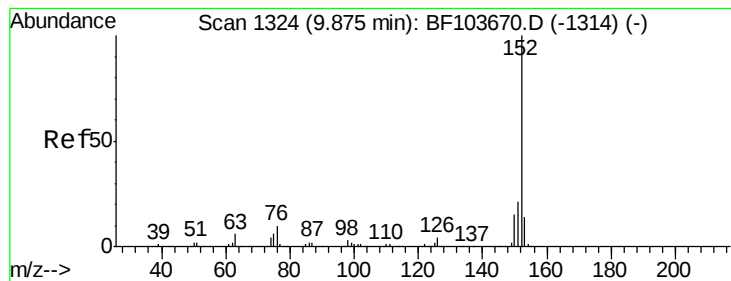
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#45
1,1'-Biphenyl
Concen: 8.983 ng
RT: 9.43 min Scan# 1248
Delta R.T. 0.00 min
Lab File: BF103804.D
Acq: 20 Mar 2018 16:12

Tgt Ion	Ratio	Lower	Upper
154	100		
153	40.6	21.3	61.3
76	13.3	0.0	34.0





#48

Acenaphthylene

Concen: 46.044 ng

RT: 9.88 min Scan# 1325

Delta R.T. 0.01 min

Lab File: BF103804.D

Acq: 20 Mar 2018 16:12

Instrument :

BNA_F

ClientSampleId :

MW-105(3-4)

Tot Ion:152 Resp: 1419189

Ion Ratio Lower Upper

152 100

151 20.7 16.3 24.5

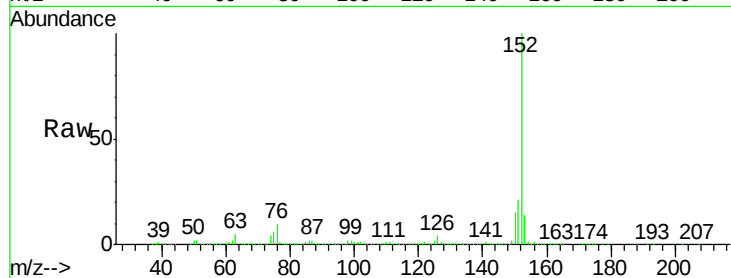
153 13.5 10.7 16.1

Manual Integrations

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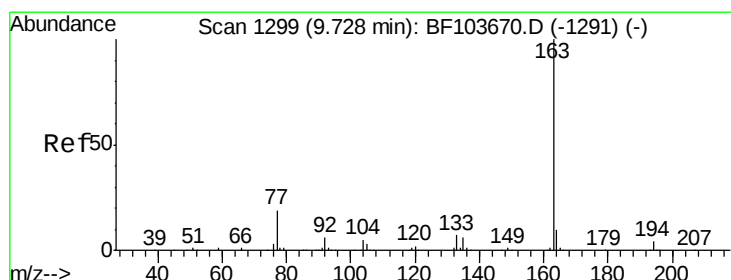
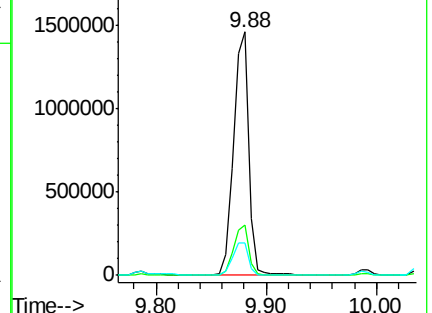
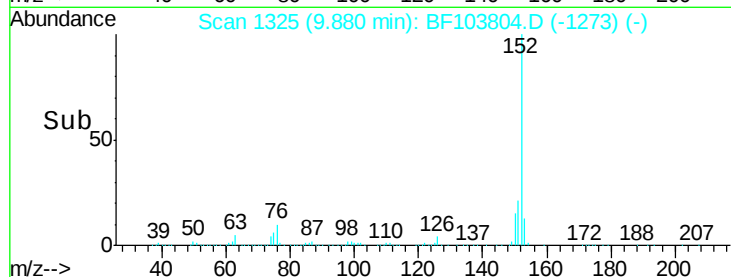
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Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 5.235 ng

RT: 9.72 min Scan# 1297

Delta R.T. -0.01 min

Lab File: BF103804.D

Acq: 20 Mar 2018 16:12

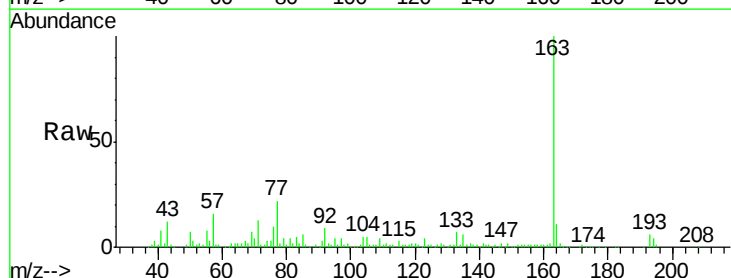
Tgt Ion:163 Resp: 119868

Ion Ratio Lower Upper

163 100

194 4.0 2.7 4.1

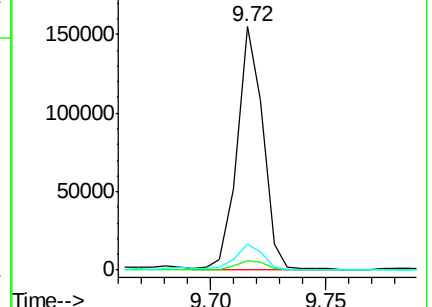
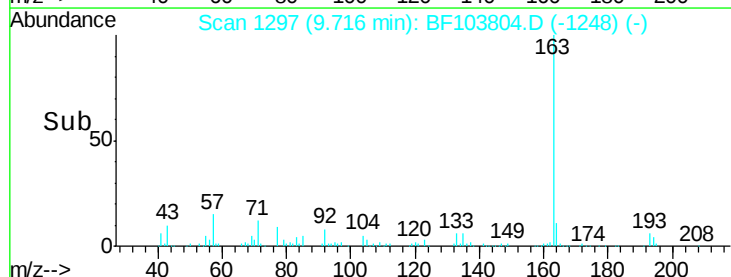
164 10.7 8.2 12.2

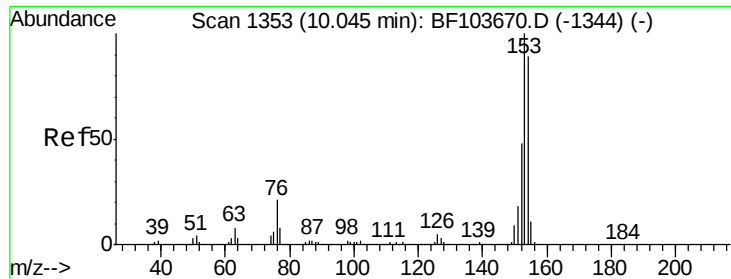


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 23.976 ng

RT: 10.05 min Scan# 1353

Delta R.T. 0.00 min

Lab File: BF103804.D

Acq: 20 Mar 2018 16:12

Instrument :

BNA_F

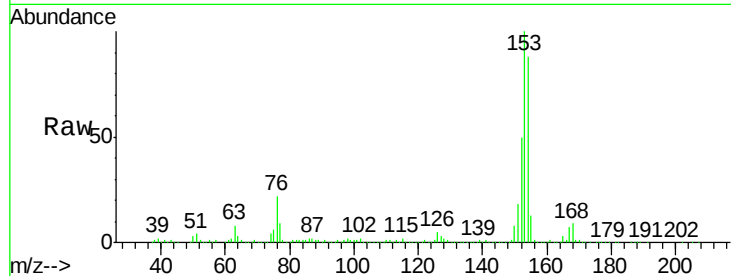
ClientSampleId :

MW-105(3-4)

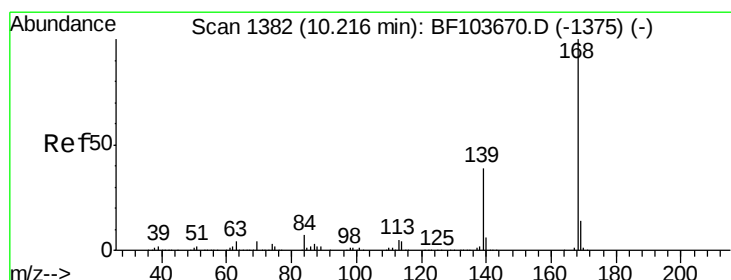
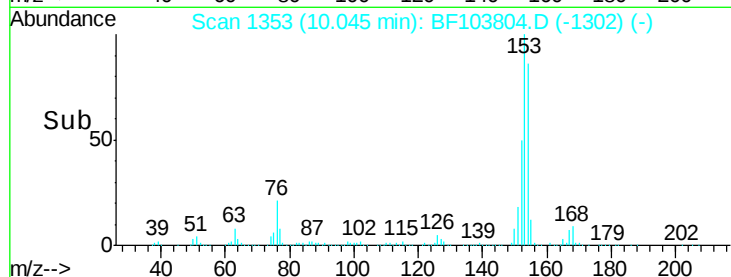
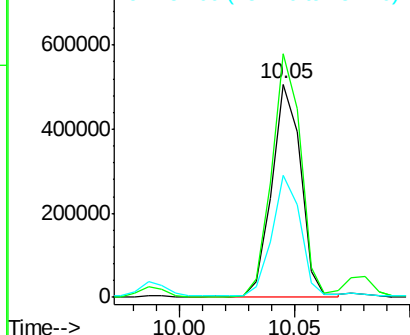
Tot Ion:	154	Resp:	438803
Ion	Ratio	Lower	Upper
154	100		
153	114.2	91.2	136.8
152	57.0	43.8	65.8

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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



#54

Dibenzofuran

Concen: 19.438 ng

RT: 10.22 min Scan# 1382

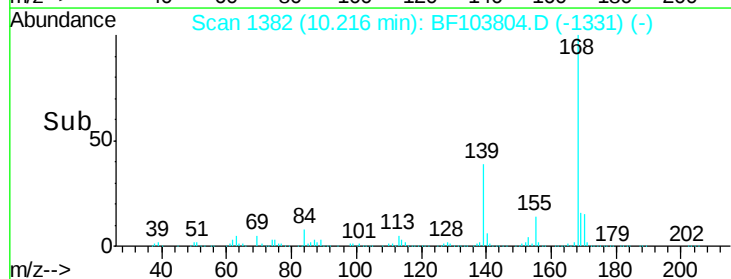
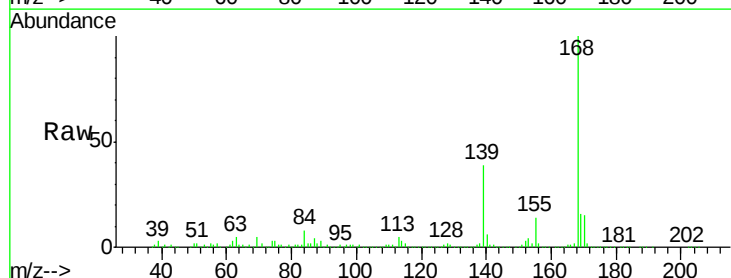
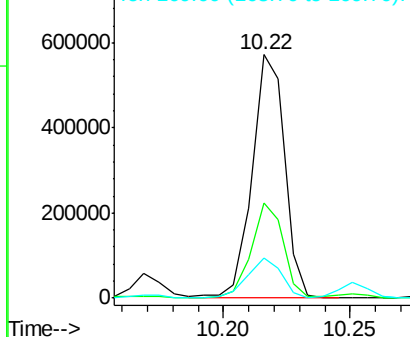
Delta R.T. 0.00 min

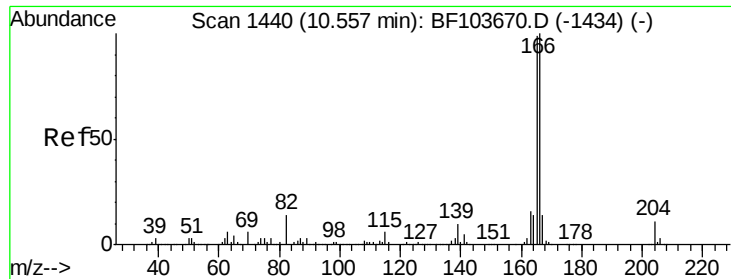
Lab File: BF103804.D

Acq: 20 Mar 2018 16:12

Tgt Ion:	168	Resp:	508093
Ion	Ratio	Lower	Upper
168	100		
139	39.2	30.1	45.1
169	16.4	10.9	16.3#

Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E





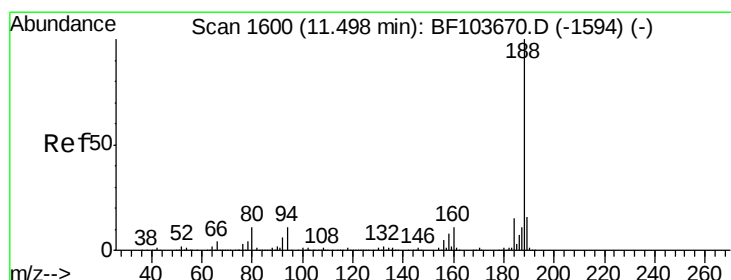
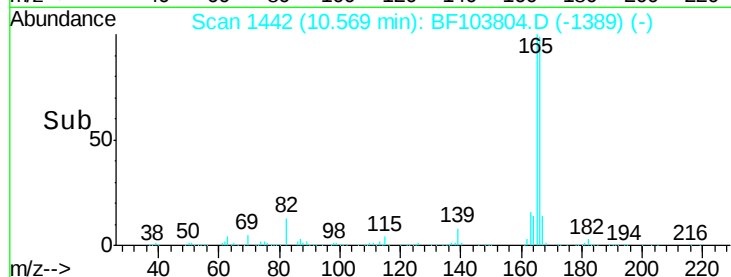
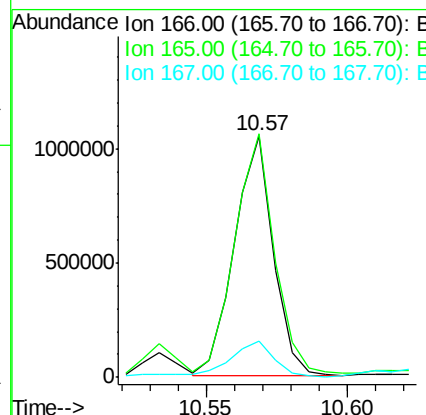
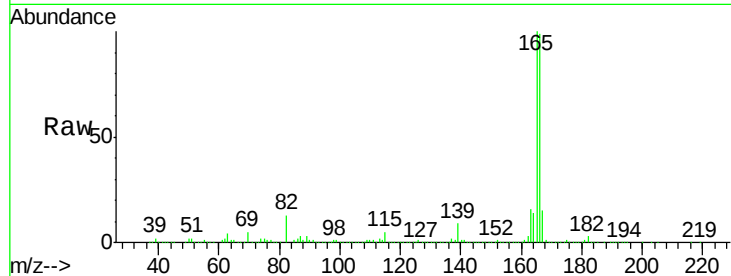
#57
Fluorene
 Concen: 49.271 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. 0.01 min
 Lab File: BF103804.D
 Acq: 20 Mar 2018 16:12

Instrument :
 BNA_F
 ClientSampleId :
 MW-105(3-4)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
166	100				
165	100.9	79.8	119.8		
167	14.9	10.6	16.0		

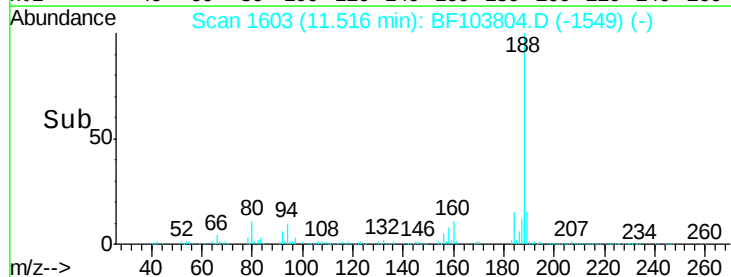
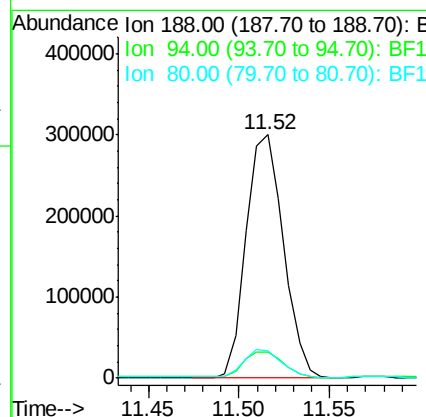
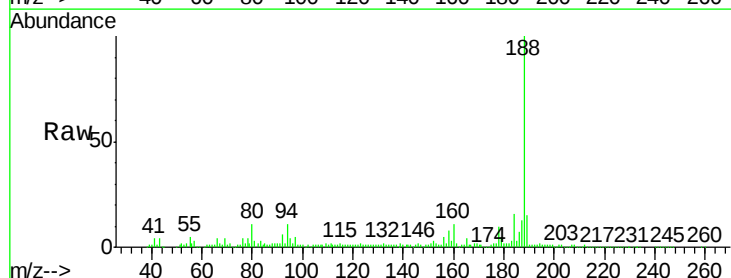
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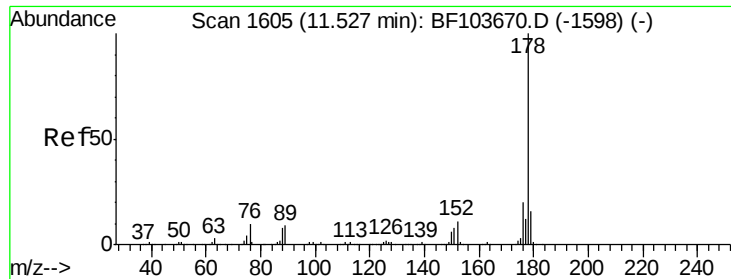
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#63
Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.52 min Scan# 1603
 Delta R.T. 0.02 min
 Lab File: BF103804.D
 Acq: 20 Mar 2018 16:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
188	100				
94	10.7	8.5	12.7		
80	11.3	9.2	13.8		





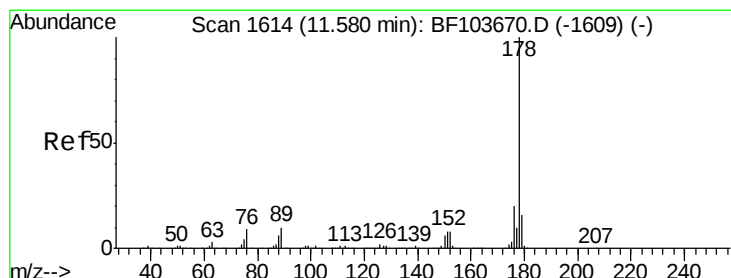
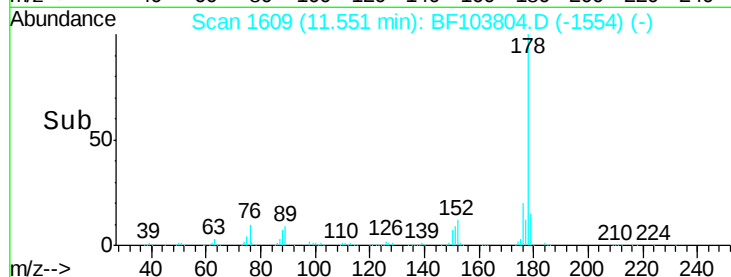
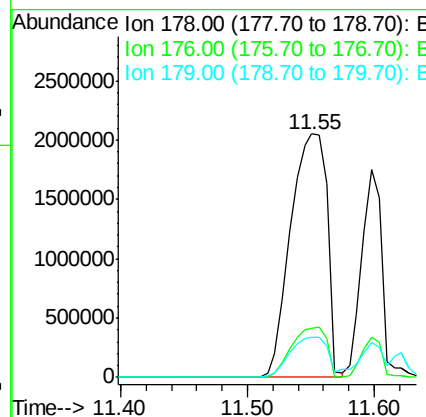
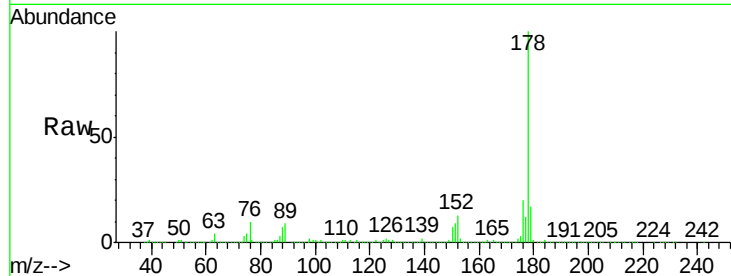
#70
Phenanthrene
Concen: 173.585 ng
RT: 11.55 min Scan# 1609
Delta R.T. 0.02 min
Lab File: BF103804.D
Acq: 20 Mar 2018 16:12

Instrument :
BNA_F
ClientSampleId :
MW-105(3-4)

Tot Ion:178 Resp: 4069757
Ion Ratio Lower Upper
178 100
176 20.4 15.8 23.8
179 16.5 13.0 19.6

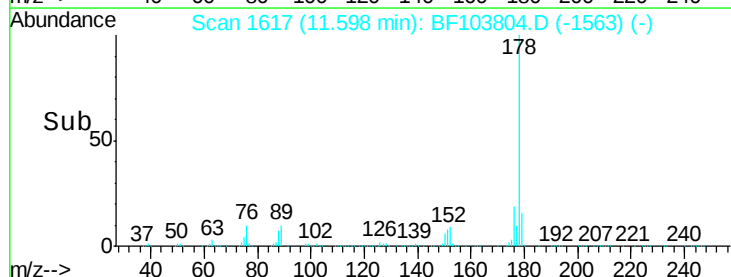
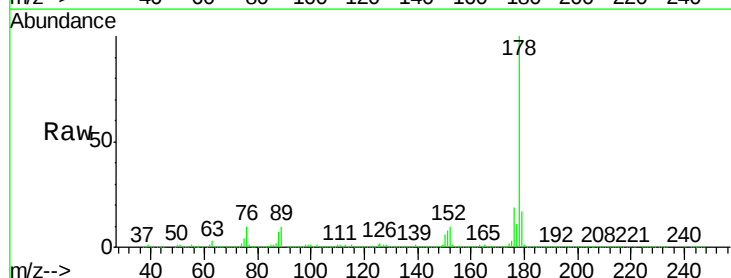
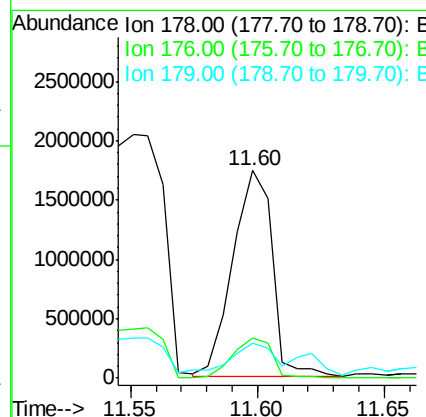
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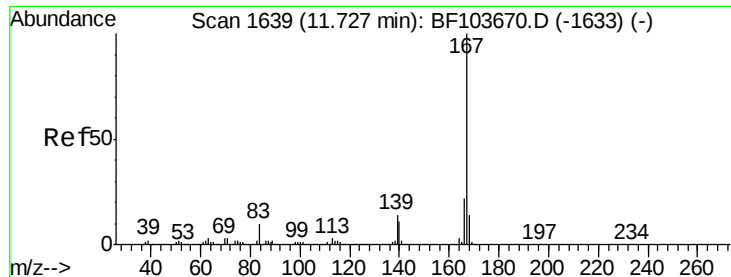
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#71
Anthracene
Concen: 78.704 ng
RT: 11.60 min Scan# 1617
Delta R.T. 0.02 min
Lab File: BF103804.D
Acq: 20 Mar 2018 16:12

Tgt Ion:178 Resp: 1874124
Ion Ratio Lower Upper
178 100
176 19.4 15.4 23.2
179 16.6 12.6 19.0





#72

Carbazole

Concen: 15.104 ng

RT: 11.74 min Scan# 1641

Delta R.T. 0.01 min

Lab File: BF103804.D

Acq: 20 Mar 2018 16:12

Instrument :

BNA_F

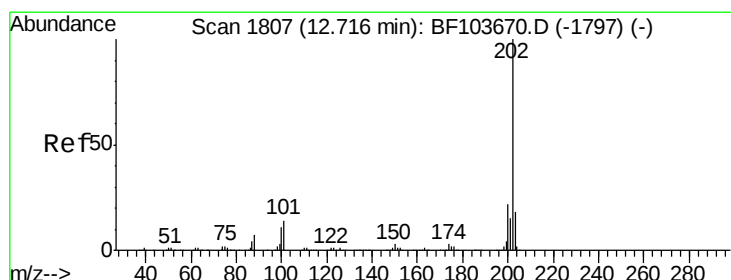
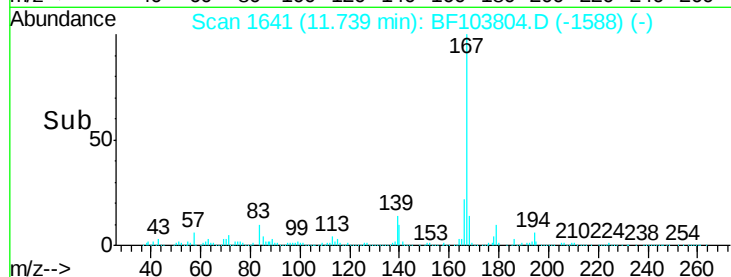
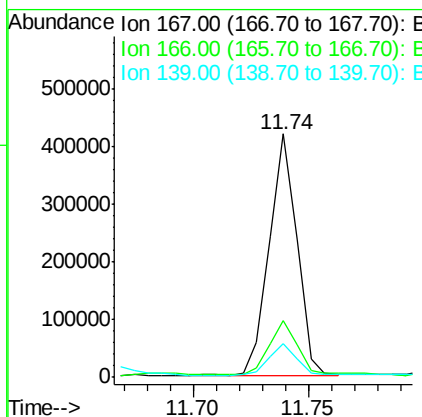
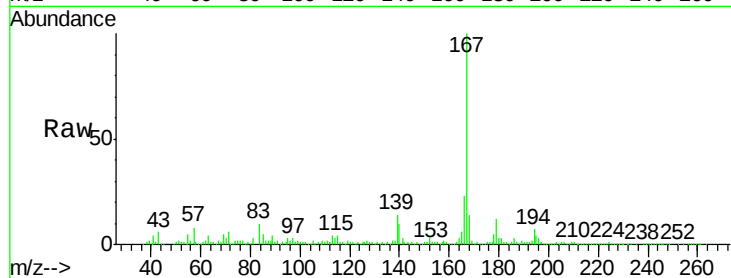
ClientSampleId :

MW-105(3-4)

Tot Ion:	167	Resp:	349577
Ion Ratio	Lower	Upper	
167	100		
166	23.4	17.6	26.4
139	14.1	10.9	16.3

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#74

Fluoranthene

Concen: 165.439 ng

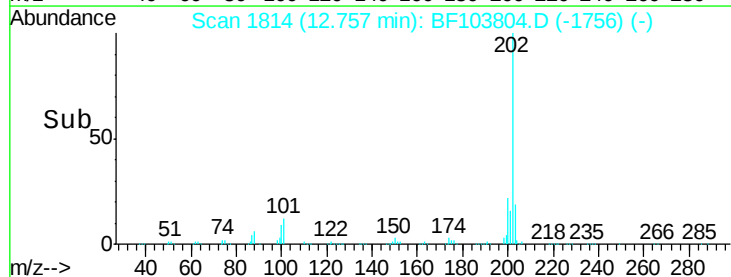
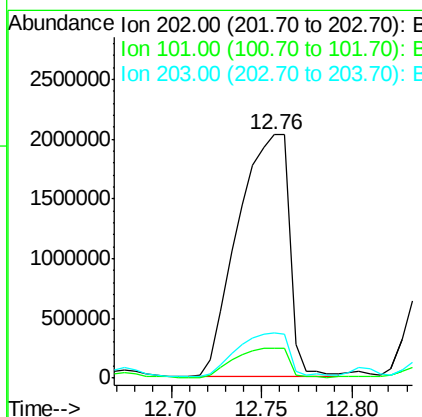
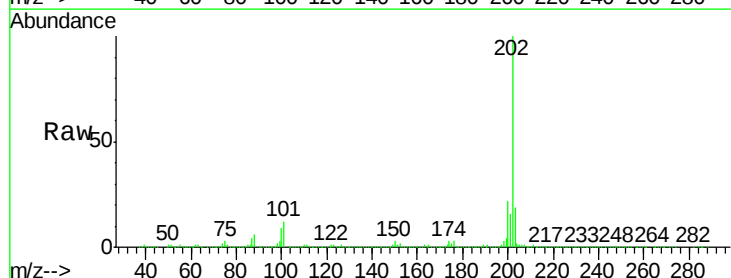
RT: 12.76 min Scan# 1814

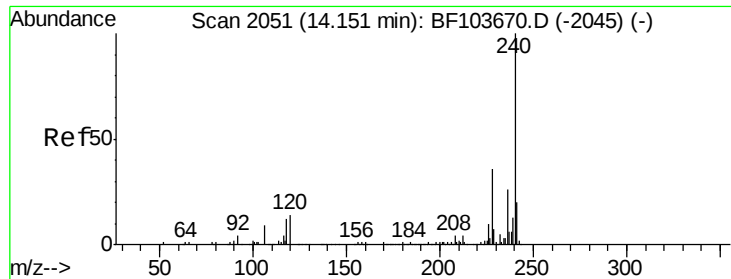
Delta R.T. 0.04 min

Lab File: BF103804.D

Acq: 20 Mar 2018 16:12

Tgt Ion:	202	Resp:	3996006
Ion Ratio	Lower	Upper	
202	100		
101	12.4	0.0	34.1
203	18.6	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.19 min Scan# 2058

Delta R.T. 0.04 min

Lab File: BF103804.D

Acq: 20 Mar 2018 16:12

Instrument :

BNA_F

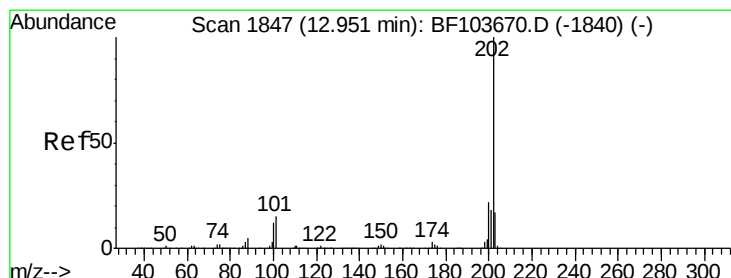
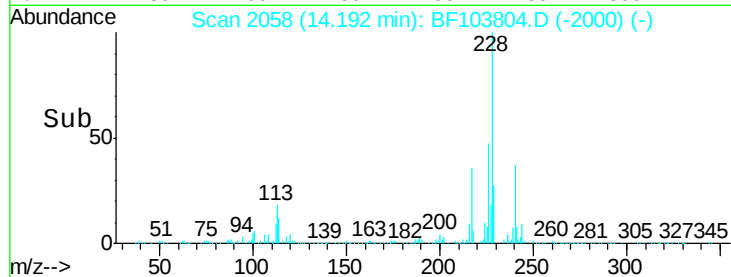
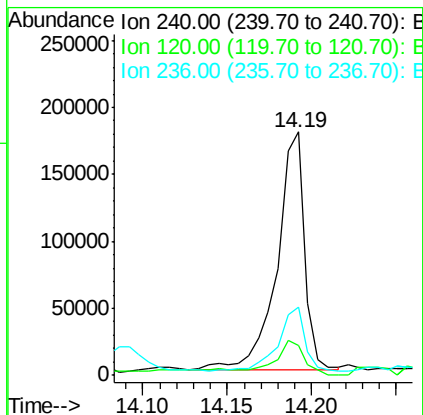
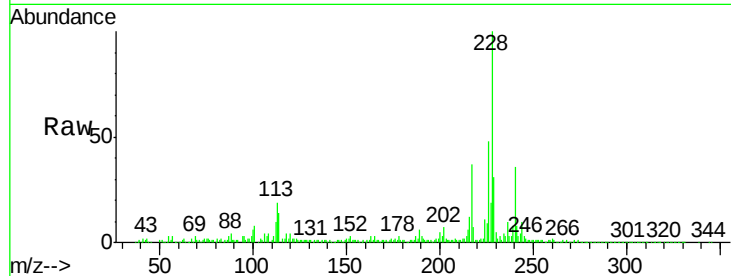
ClientSampleId :

MW-105(3-4)

Tot Ion:	240	Resp:	202657
Ion Ratio	Lower	Upper	
240	100		
120	12.3	9.5	14.3
236	27.9	20.7	31.1

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#77

Pyrene

Concen: 272.031 ng

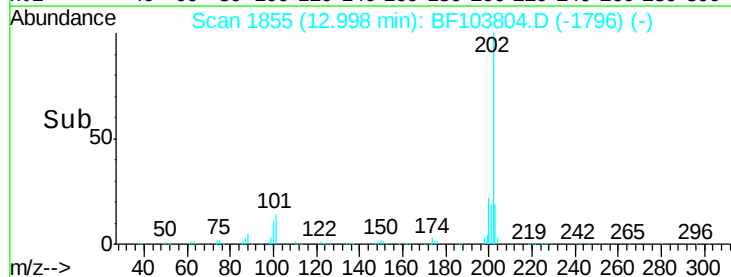
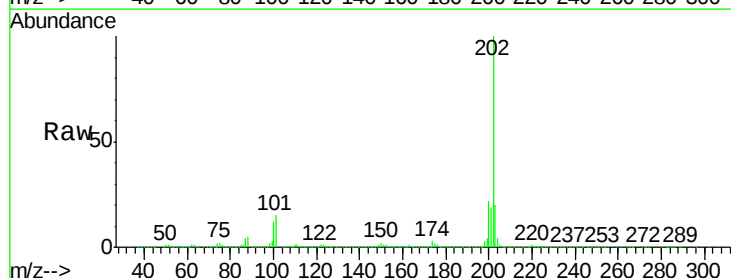
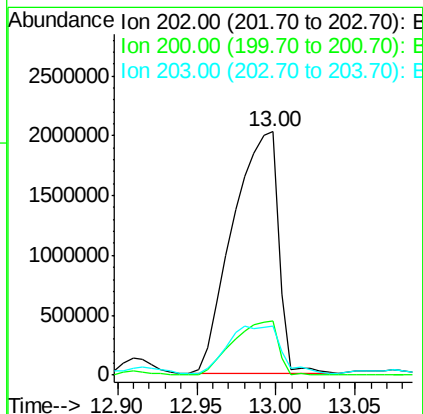
RT: 13.00 min Scan# 1855

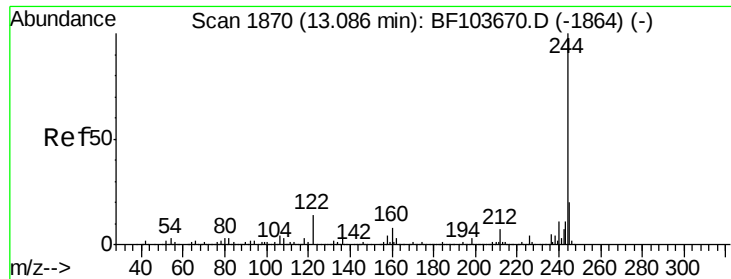
Delta R.T. 0.05 min

Lab File: BF103804.D

Acq: 20 Mar 2018 16:12

Tgt Ion:	202	Resp:	4048639
Ion Ratio	Lower	Upper	
202	100		
200	22.4	17.4	26.2
203	20.3	14.3	21.5





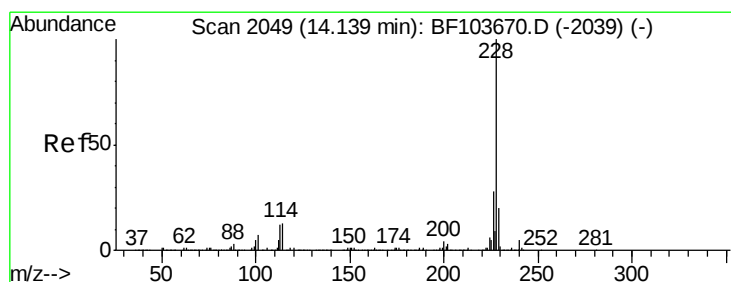
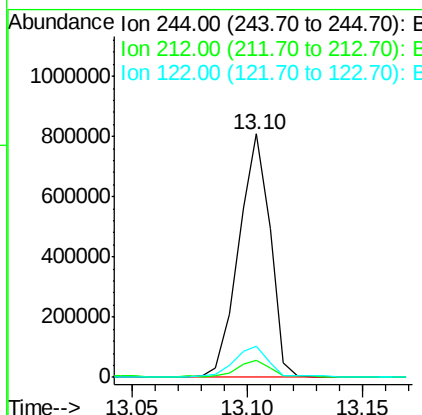
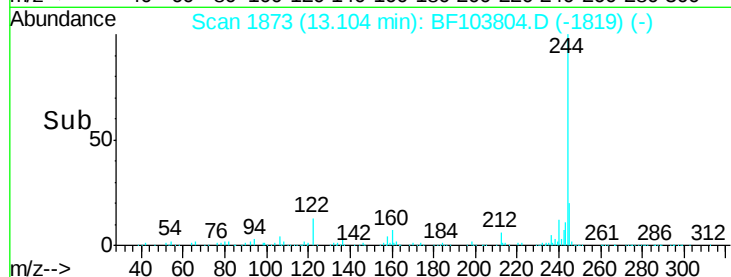
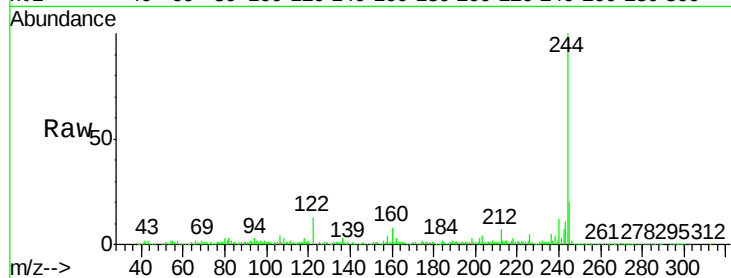
#78
 Terphenyl-d14
 Concen: 87.083 ng
 RT: 13.10 min Scan# 1873
 Delta R.T. 0.02 min
 Lab File: BF103804.D
 Acq: 20 Mar 2018 16:12

Instrument :
 BNA_F
 ClientSampleId :
 MW-105(3-4)

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.4	8.0
122	13.0	11.0	16.4

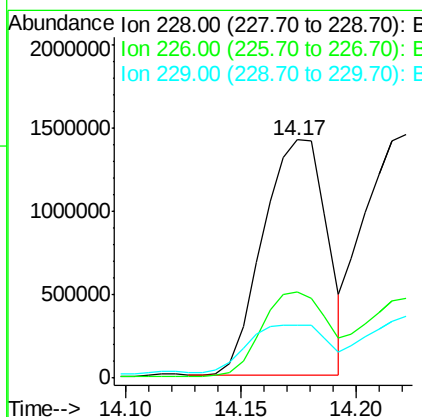
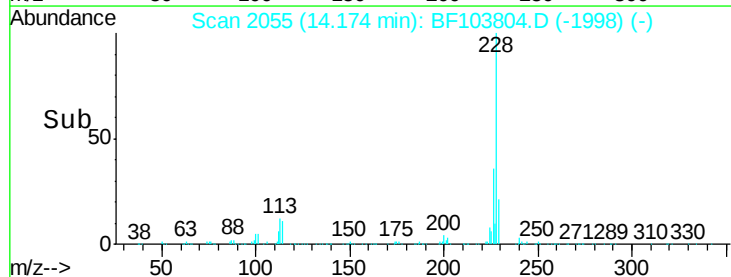
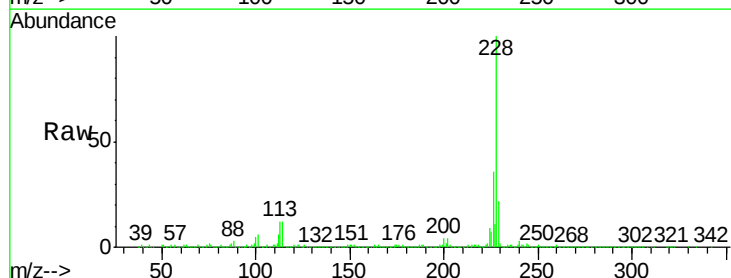
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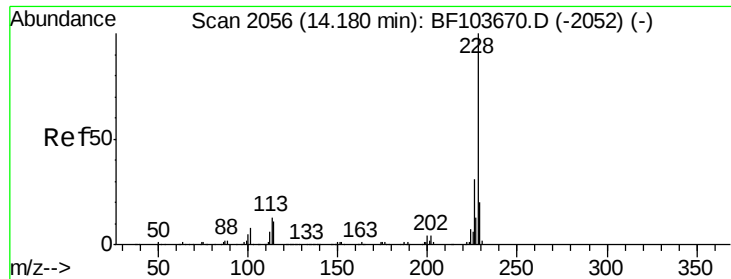
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#80
 Benzo(a)anthracene
 Concen: 211.430 ng
 RT: 14.17 min Scan# 2055
 Delta R.T. 0.04 min
 Lab File: BF103804.D
 Acq: 20 Mar 2018 16:12

Tgt Ion	Ratio	Lower	Upper
228	100		
226	36.2	22.6	33.8#
229	22.0	15.8	23.6





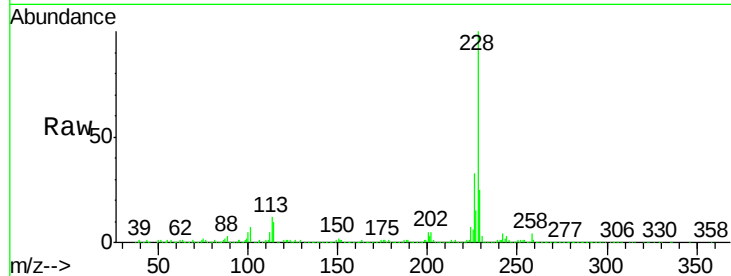
#82
Chrysene
Concen: 182.365 ng/ml
RT: 14.22 min Scan# 2063
Delta R.T. 0.04 min
Lab File: BF103804.D
Acq: 20 Mar 2018 16:12

Instrument :
BNA_F
ClientSampleId :
MW-105(3-4)

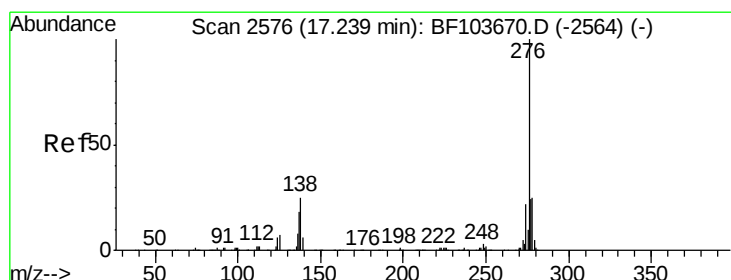
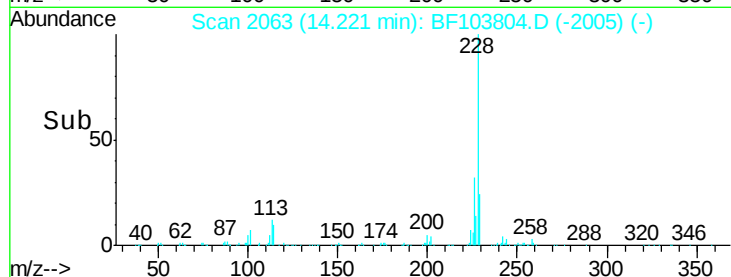
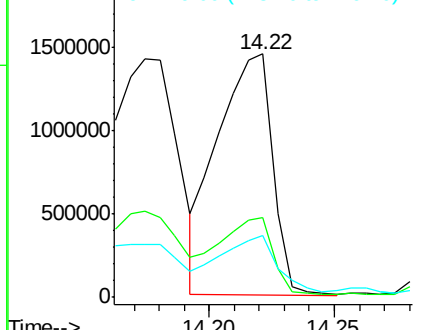
Tot Ion:228 Resp: 2230046
Ion Ratio Lower Upper
228 100
226 32.8 25.0 37.6
229 25.2 16.2 24.4#

Manual Integrations
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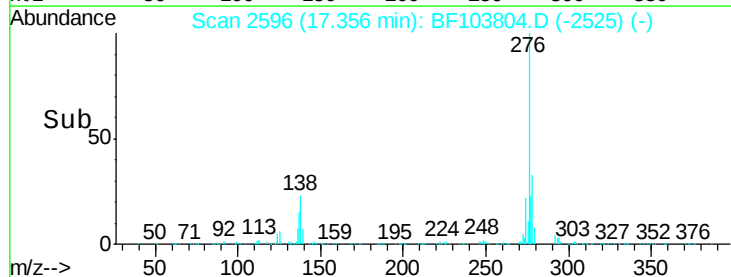
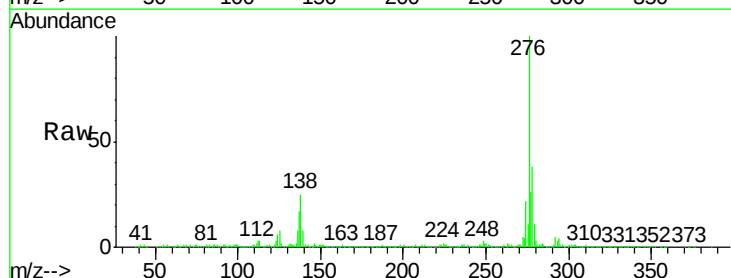
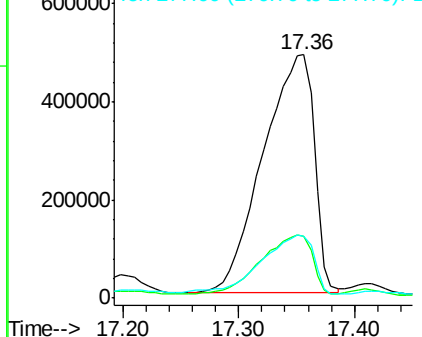
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

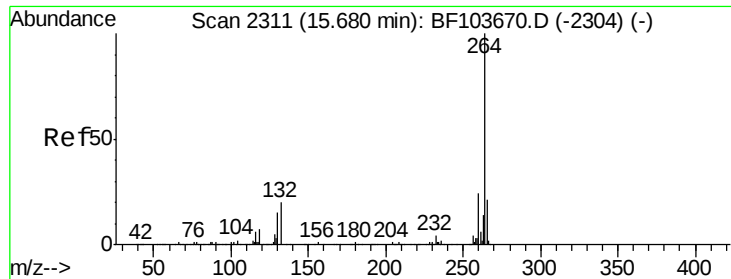


#85
Indeno(1,2,3-cd)pyrene
Concen: 139.627 ng
RT: 17.36 min Scan# 2596
Delta R.T. 0.12 min
Lab File: BF103804.D
Acq: 20 Mar 2018 16:12

Tgt Ion:276 Resp: 1491082
Ion Ratio Lower Upper
276 100
138 24.6 25.0 37.6#
277 26.0 20.1 30.1

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





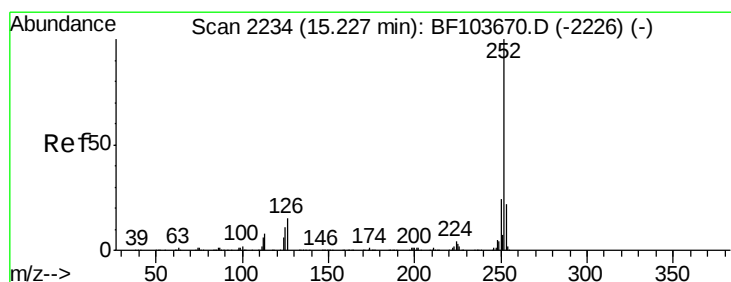
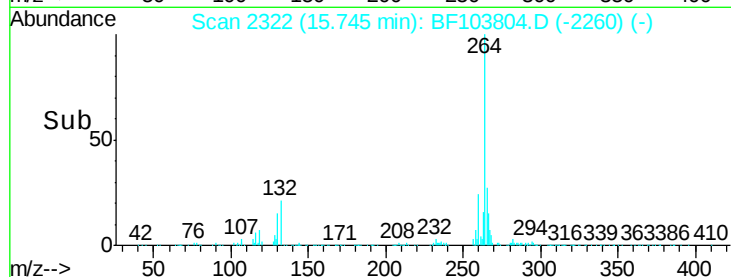
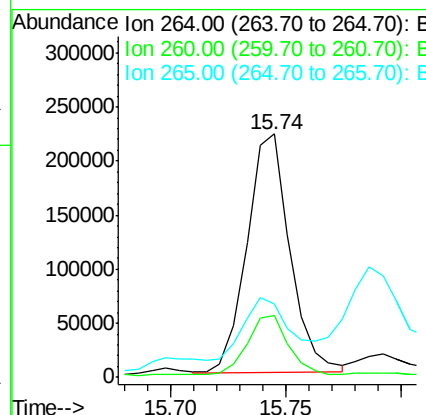
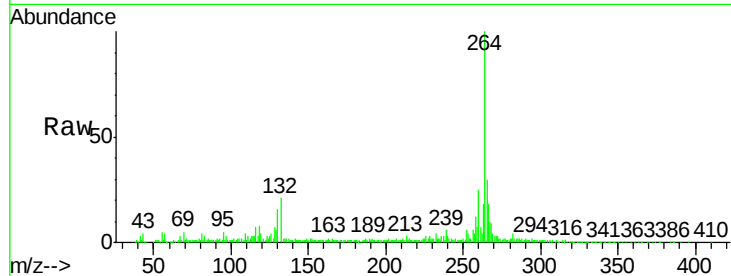
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.74 min Scan# 2322
Delta R.T. 0.06 min
Lab File: BF103804.D
Acq: 20 Mar 2018 16:12

Instrument :
BNA_F
ClientSampleId :
MW-105(3-4)

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.2	19.2	28.8
265	30.0	17.5	26.3

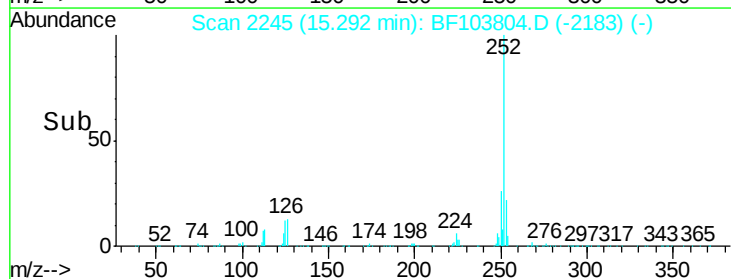
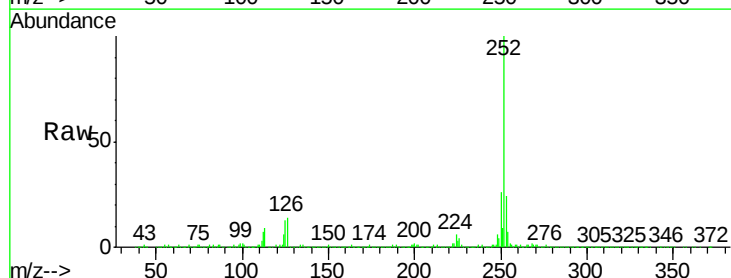
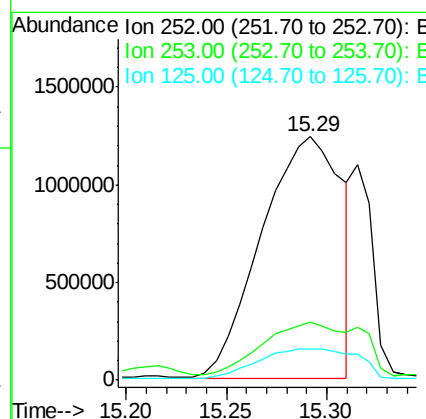
Manual Integrations
APPROVED

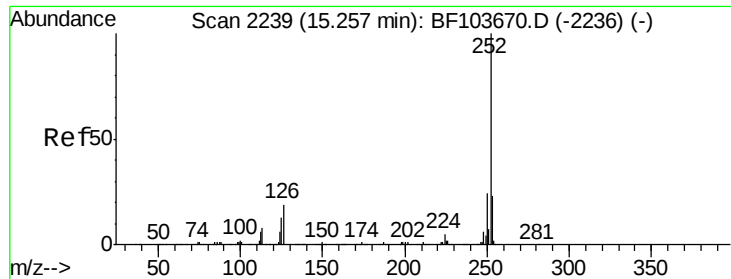
Sohil
3/22/2018 12:57:27 PM



#87
Benzo(b)fluoranthene
Concen: 188.822 ng m
RT: 15.29 min Scan# 2245
Delta R.T. 0.06 min
Lab File: BF103804.D
Acq: 20 Mar 2018 16:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.0	25.6
125	12.8	9.0	13.6





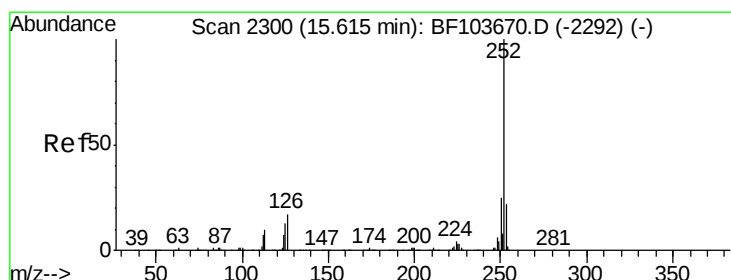
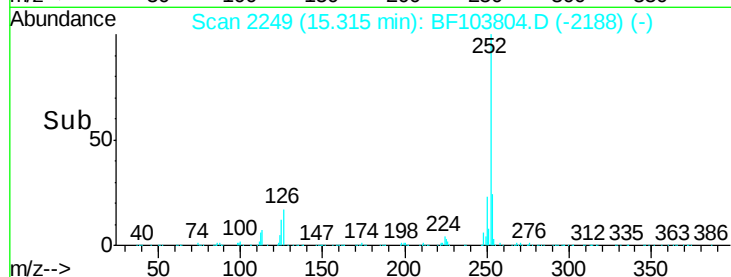
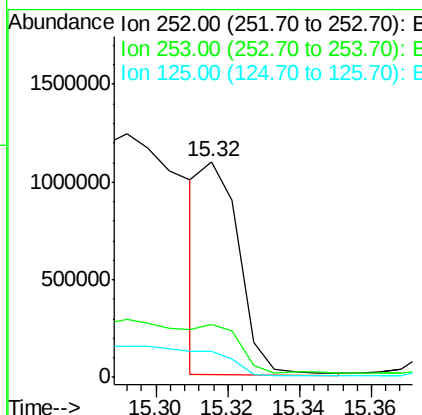
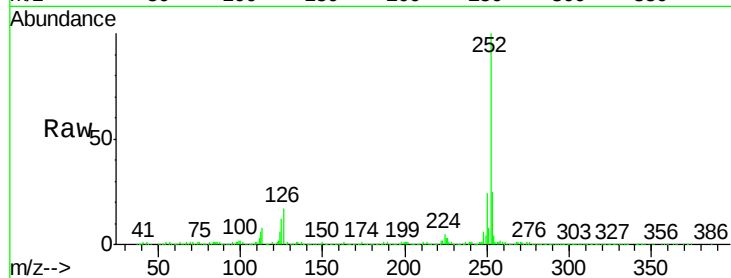
#88
Benzo(k)fluoranthene
Concen: 44.969 ng m
RT: 15.32 min Scan# 2249
Delta R.T. 0.06 min
Lab File: BF103804.D
Acq: 20 Mar 2018 16:12

Instrument :
BNA_F
ClientSampleId :
MW-105(3-4)

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.6	17.9	26.9
125	12.1	10.2	15.2

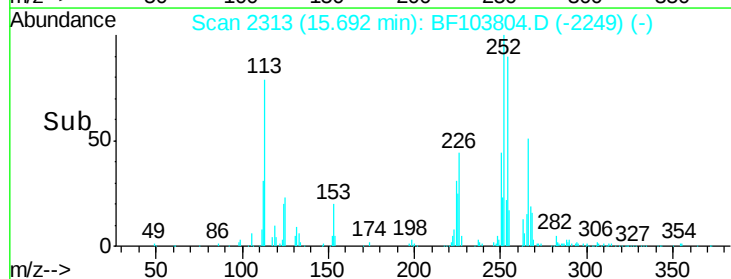
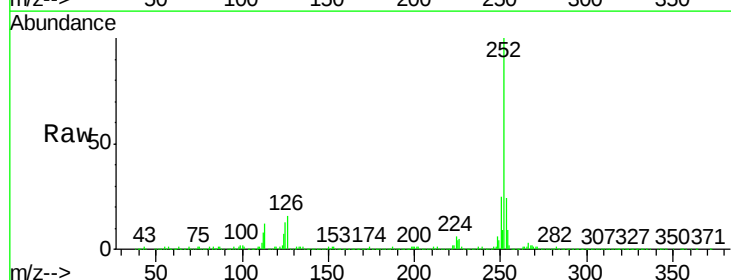
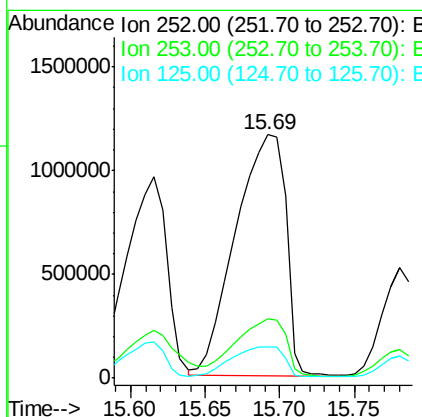
Manual Integrations
APPROVED

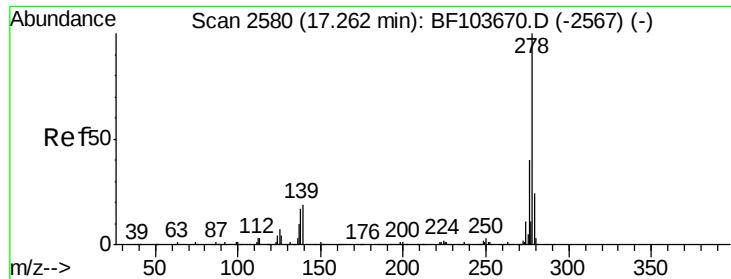
Sohil
3/22/2018 12:57:27 PM



#89
Benzo(a)pyrene
Concen: 164.713 ng
RT: 15.69 min Scan# 2313
Delta R.T. 0.08 min
Lab File: BF103804.D
Acq: 20 Mar 2018 16:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.1	25.7
125	12.8	9.8	14.6





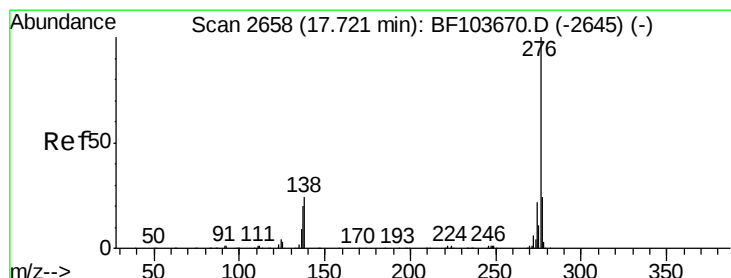
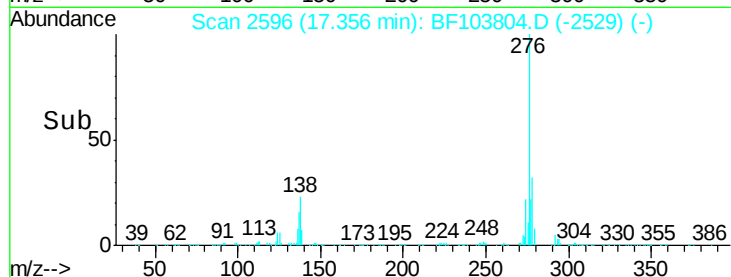
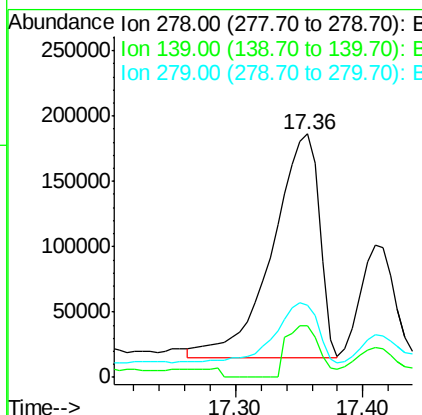
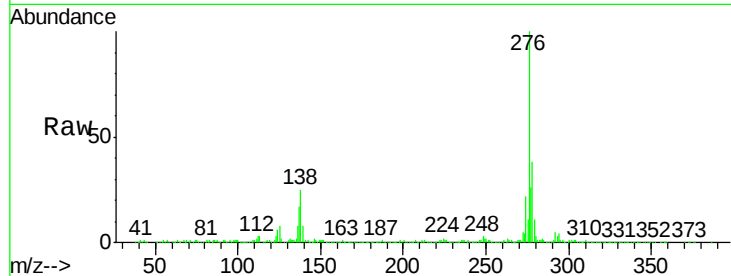
#90
Dibenzo(a,h)anthracene
Concen: 30.554 ng/mL
RT: 17.36 min Scan# 2596
Delta R.T. 0.09 min
Lab File: BF103804.D
Acq: 20 Mar 2018 16:12

Instrument :
BNA_F
ClientSampleId :
MW-105(3-4)

Tot Ion	Ratio	Lower	Upper
278	100		
139	21.0	15.9	23.9
279	29.6	19.0	28.4

Manual Integrations
APPROVED

Sohil
3/22/2018 12:57:27 PM



#91
Benzo(g,h,i)perylene
Concen: 106.491 ng/mL
RT: 17.85 min Scan# 2680
Delta R.T. 0.13 min
Lab File: BF103804.D
Acq: 20 Mar 2018 16:12

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	17.9	26.9
138	24.7	21.8	32.8

