

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
 Data File : BF104198.D
 Acq On : 3 Apr 2018 23:42
 Operator : JU/SJ
 Sample : J2182-17
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 6-WM-DIP-7-WW(1-5)

Manual Integrations
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Sohil
 4/4/2018 4:10:07 PM

Quant Time: Apr 04 02:11:03 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 03 15:22:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	110093	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	472055	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	218682	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	368892	20.00	ng	0.00
75) Chrysene-d12	14.16	240	216465	20.00	ng	0.00
86) Perylene-d12	15.70	264	224484	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	639292	92.60	ng	0.00
7) Phenol-d6	6.59	99	869272	102.35	ng	0.00
23) Nitrobenzene-d5	7.52	82	503210	65.19	ng	-0.01
41) 2,4,6-Tribromophenol	10.79	330	216737	89.01	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	895183	64.55	ng	0.00
78) Terphenyl-d14	13.08	244	782542	83.47	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.26	128	306400	13.286	ng	98
37) 2-Methylnaphthalene	8.95	142	123337	8.119	ng	99
49) Dimethylphthalate	9.70	163	97351	5.638	ng	98
51) Acenaphthene	10.03	154	225856	17.407	ng	99
54) Dibenzofuran	10.20	168	241592	12.751	ng	99
57) Fluorene	10.55	166	413610	26.463	ng	99
70) Phenanthrene	11.53	178	2352844	117.806	ng	99
71) Anthracene	11.58	178	813208	38.981	ng	99
72) Carbazole	11.73	167	331965	16.672	ng	99
74) Fluoranthene	12.73	202	2307113	108.675	ng	99
77) Pyrene	12.96	202	1900659	122.144	ng	99
80) Benzo(a)anthracene	14.14	228	867952	64.081	ng	97
82) Chrysene	14.19	228	758829	57.200	ng	98
85) Indeno(1,2,3-cd)pyrene	17.30	276	315588	22.956	ng	92
87) Benzo(b)fluoranthene	15.24	252	762556m	55.816	ng	
88) Benzo(k)fluoranthene	15.27	252	348650m	27.091	ng	
89) Benzo(a)pyrene	15.64	252	587593	46.412	ng	95
90) Dibenzo(a,h)anthracene	17.30	278	65042m	5.557	ng	
91) Benzo(a,h,i)perylene	17.78	276	268721	22.920	ng	97

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

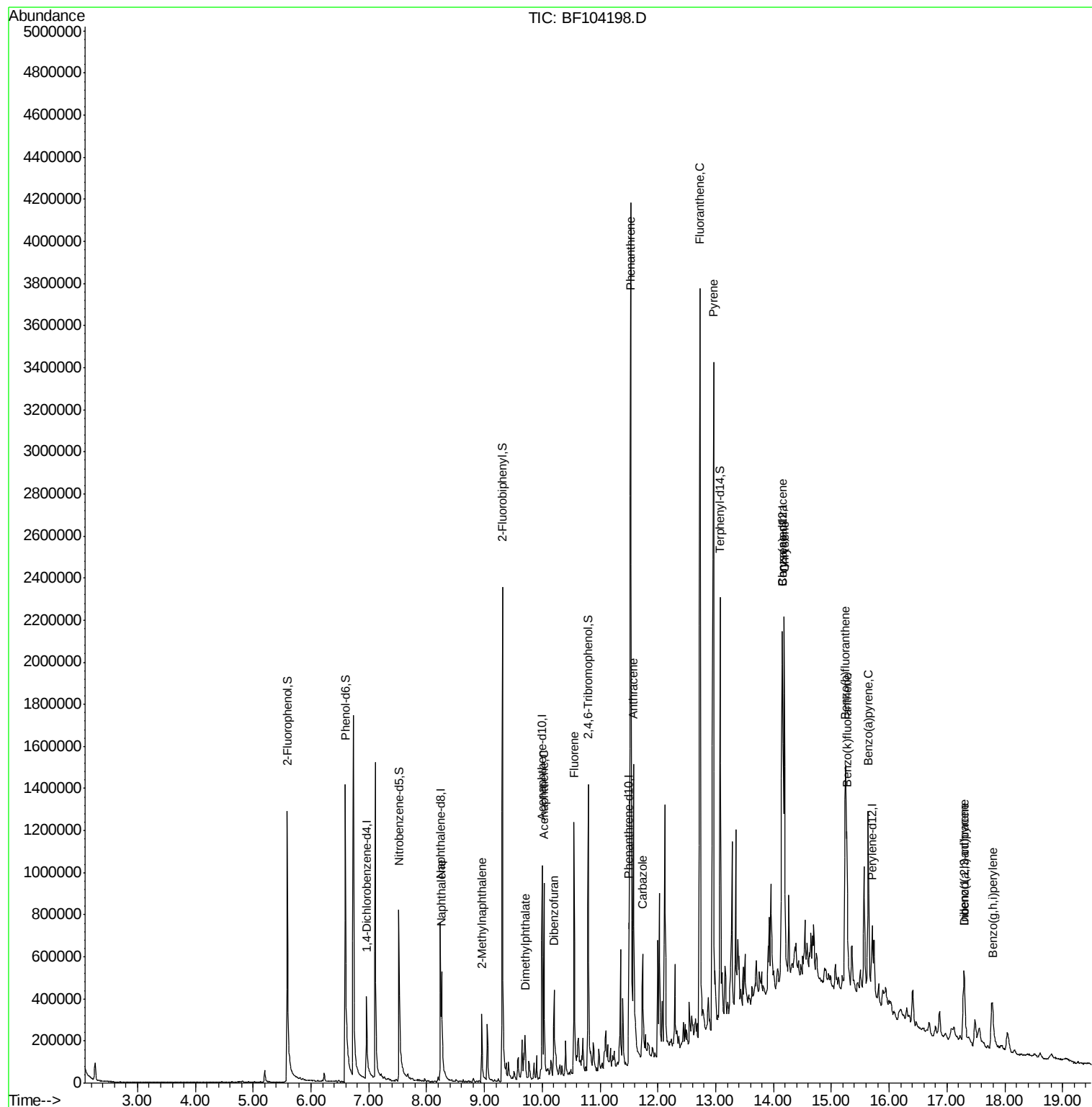
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#1

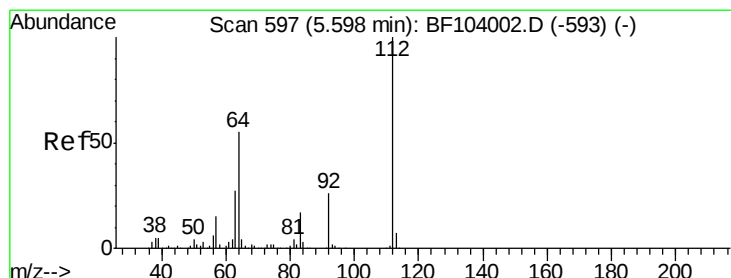
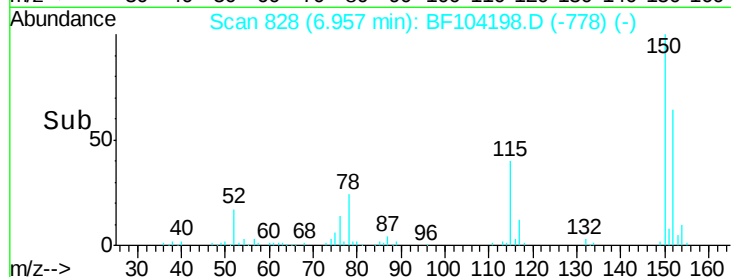
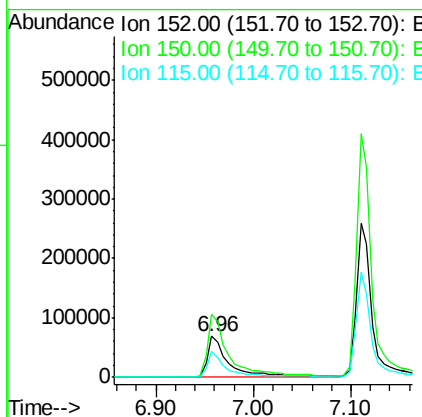
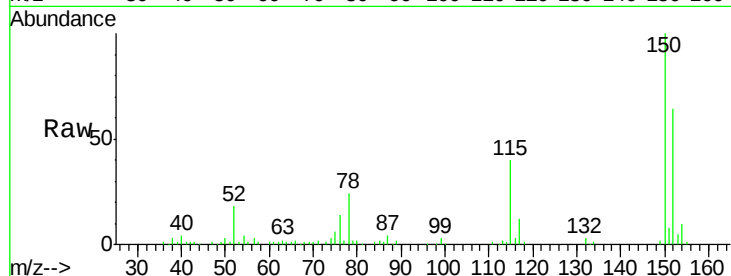
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF104198.D
Acq: 3 Apr 2018 23:42

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-7-WW(1-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	124.6	186.8
115	62.9	50.1	75.1

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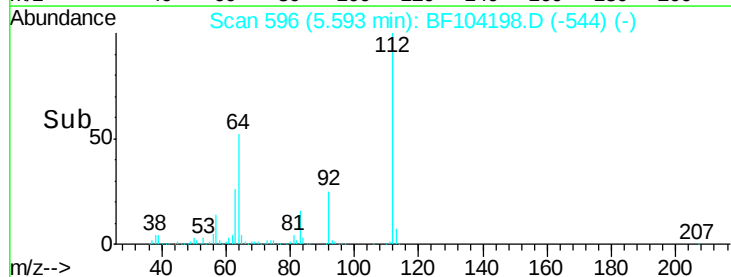
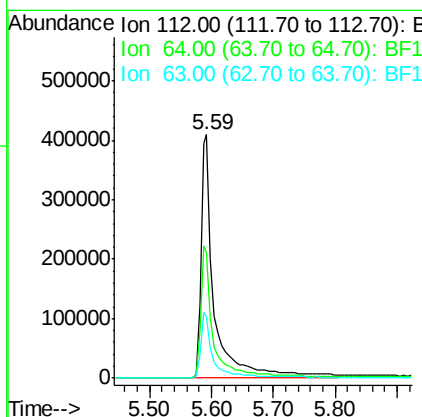
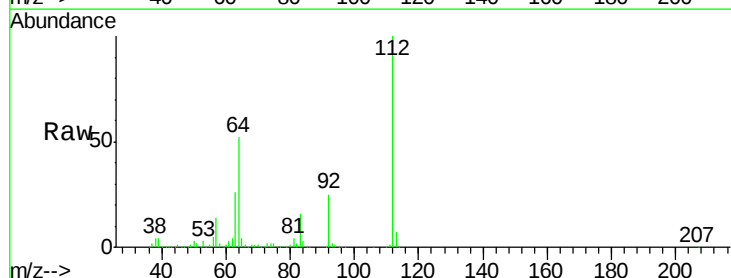
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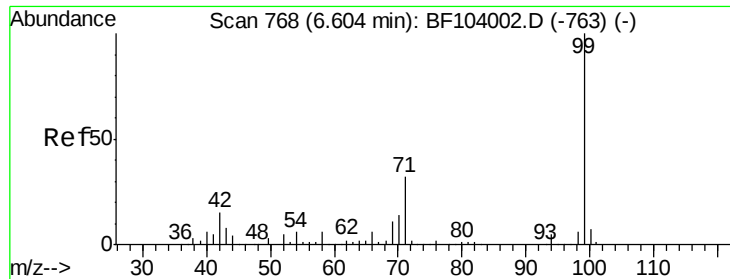


#5

2-Fluorophenol
Concen: 92.604 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.01 min
Lab File: BF104198.D
Acq: 3 Apr 2018 23:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.8	47.9	71.9
63	25.6	23.7	35.5





#7

Phenol-d6

Concen: 102.347 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF104198.D

Acq: 3 Apr 2018 23:42

Instrument :

BNA_F

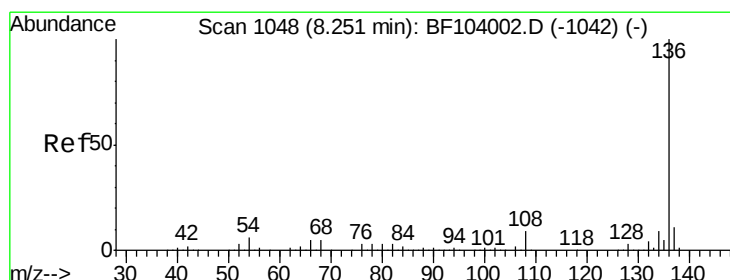
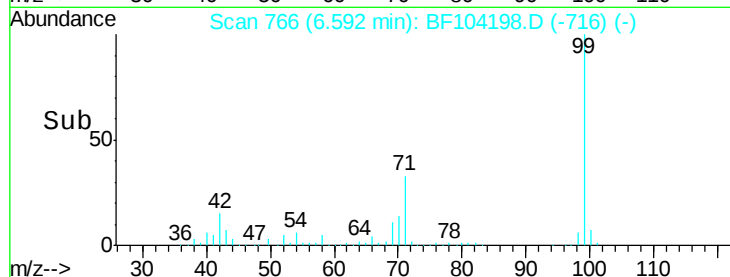
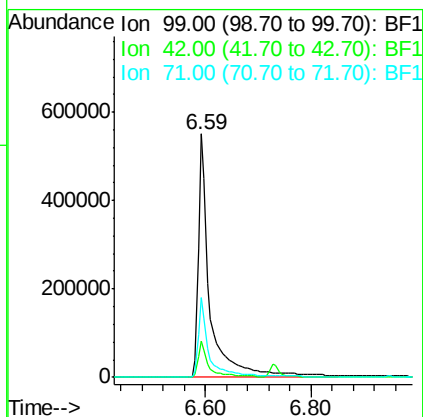
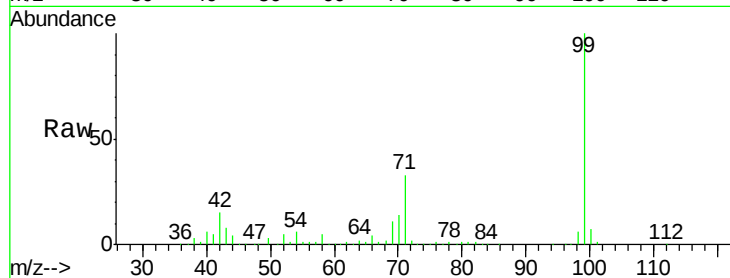
ClientSampleId :

6-WM-DIP-7-WW(1-5)

Tot Ion:	99	Resp:	869272
Ion	Ratio	Lower	Upper
99	100		
42	15.0	14.5	21.7
71	32.6	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

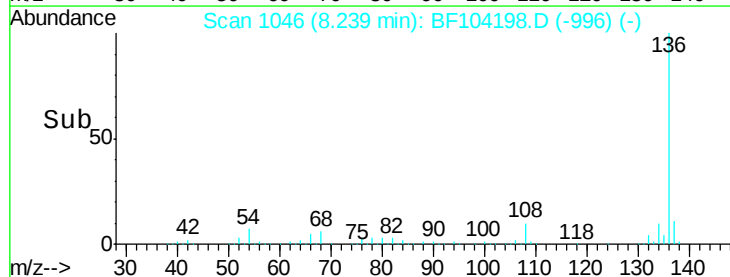
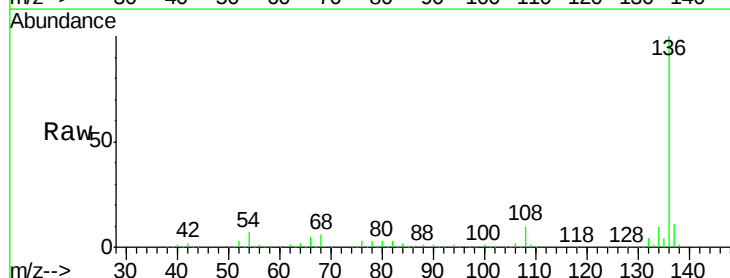
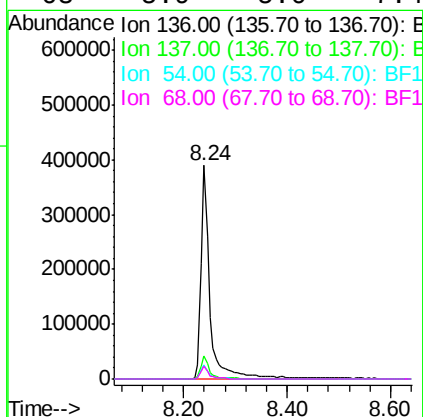
RT: 8.24 min Scan# 1046

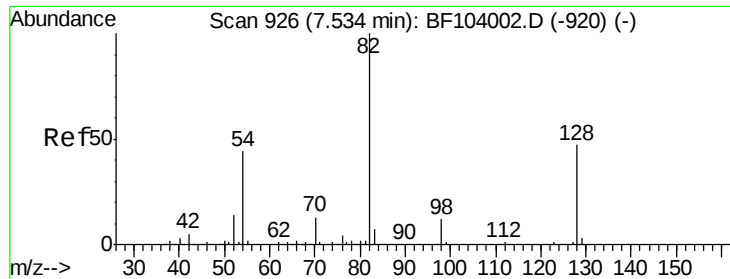
Delta R.T. -0.01 min

Lab File: BF104198.D

Acq: 3 Apr 2018 23:42

Tgt Ion:	136	Resp:	472055
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	6.6	6.6	9.8
68	5.9	5.0	7.4





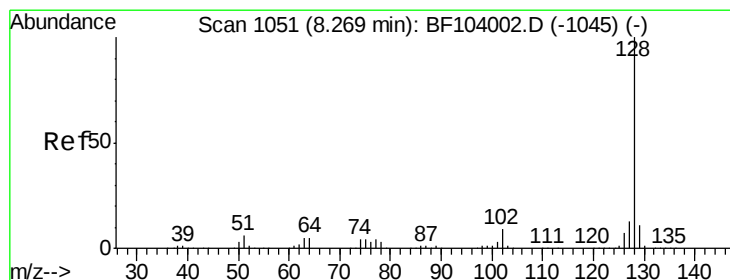
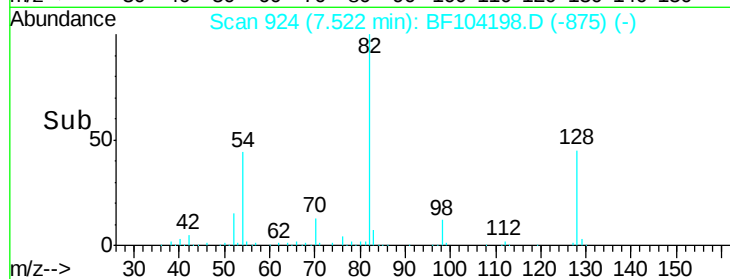
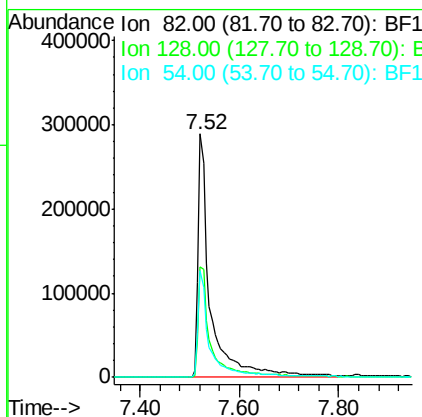
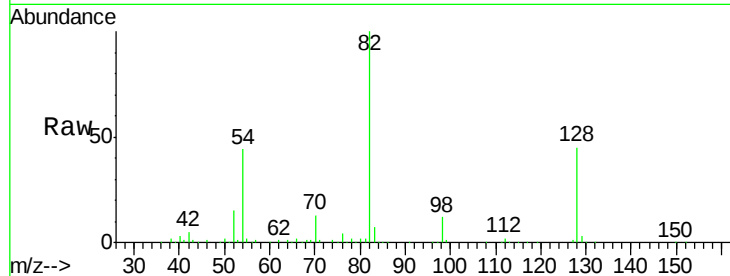
#23
 Nitrobenzene-d5
 Concen: 65.192 ng
 RT: 7.52 min Scan# 924
 Delta R.T. -0.01 min
 Lab File: BF104198.D
 Acq: 3 Apr 2018 23:42

Instrument :
 BNA_F
 ClientSampleId :
 6-WM-DIP-7-WW(1-5)

Tot Ion	Ratio	Lower	Upper
82	100		
128	45.4	36.1	54.1
54	43.9	41.4	62.2

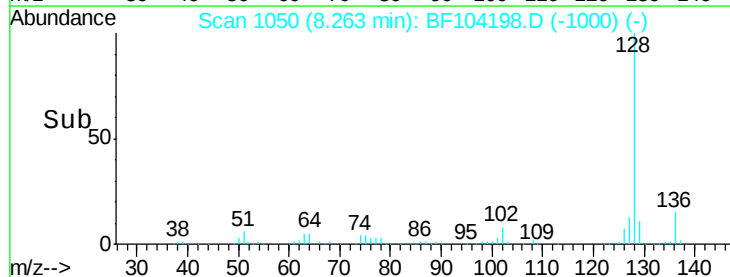
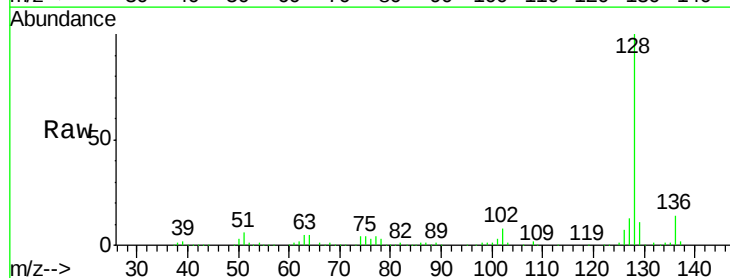
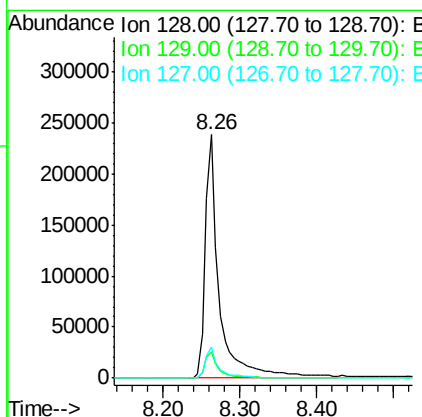
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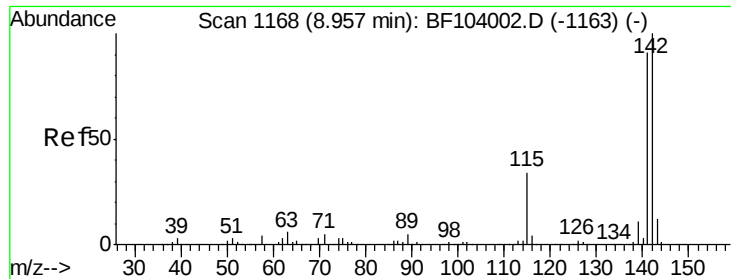
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#31
 Naphthalene
 Concen: 13.286 ng
 RT: 8.26 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: BF104198.D
 Acq: 3 Apr 2018 23:42

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.6	8.8	13.2
127	12.6	10.9	16.3





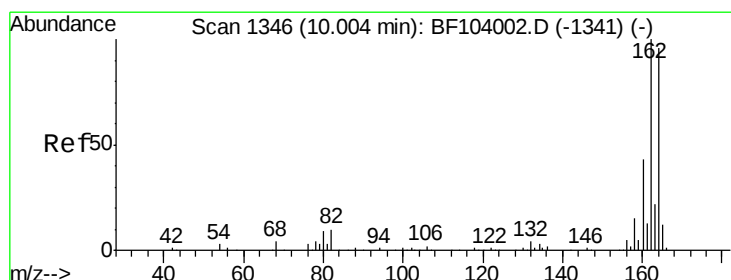
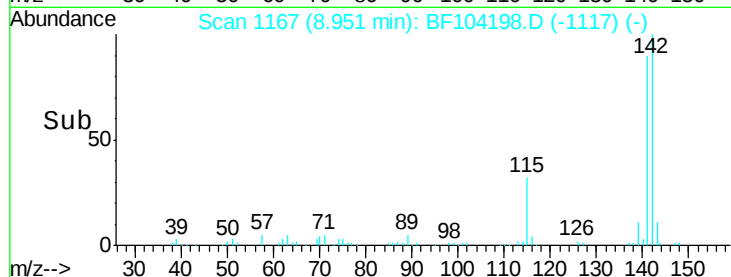
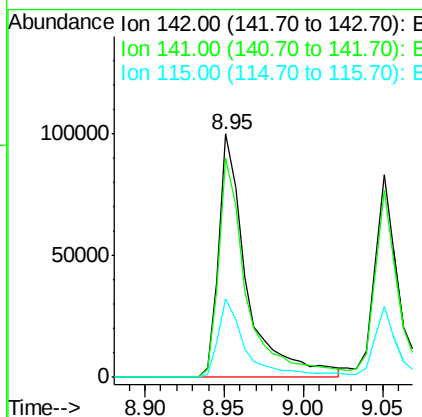
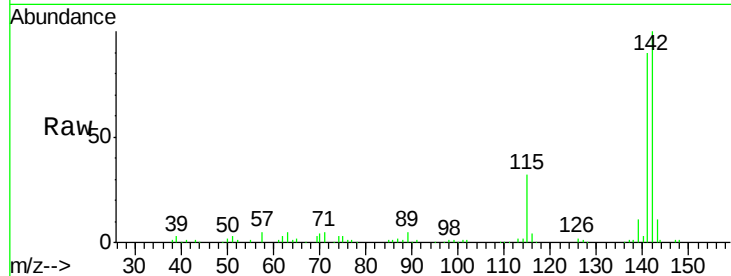
#37
2-Methylnaphthalene
Concen: 8.119 ng
RT: 8.95 min Scan# 1167
Delta R.T. -0.01 min
Lab File: BF104198.D
Acq: 3 Apr 2018 23:42

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-7-WW(1-5)

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.0	70.8	106.2
115	32.5	26.1	39.1

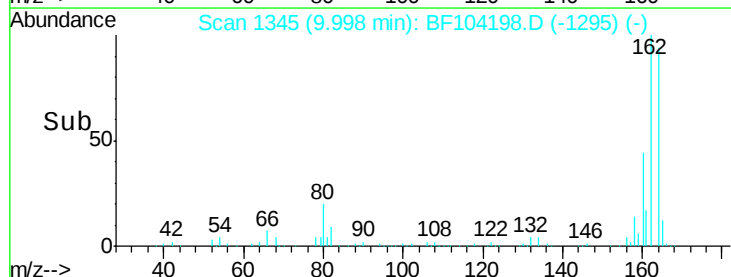
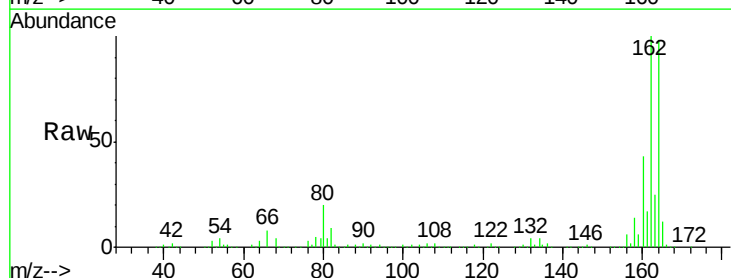
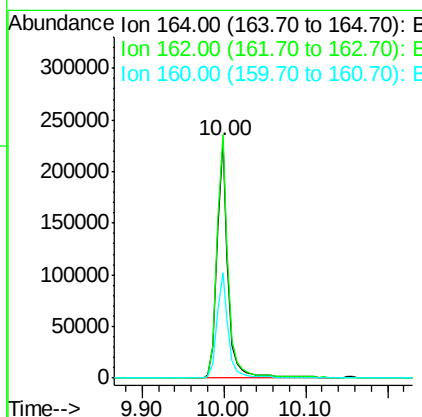
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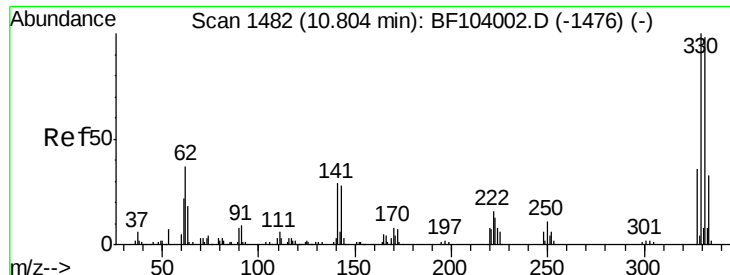
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#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1345
Delta R.T. -0.01 min
Lab File: BF104198.D
Acq: 3 Apr 2018 23:42

Tgt Ion	Ratio	Lower	Upper
164	100		
162	102.6	86.1	129.1
160	44.5	38.3	57.5





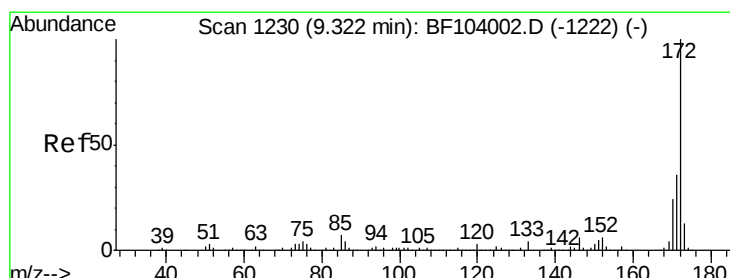
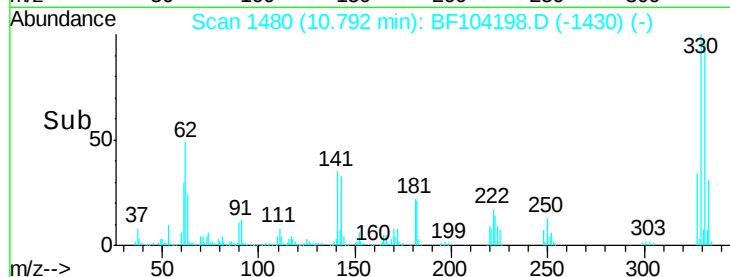
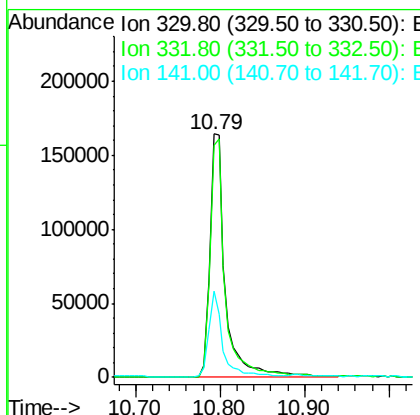
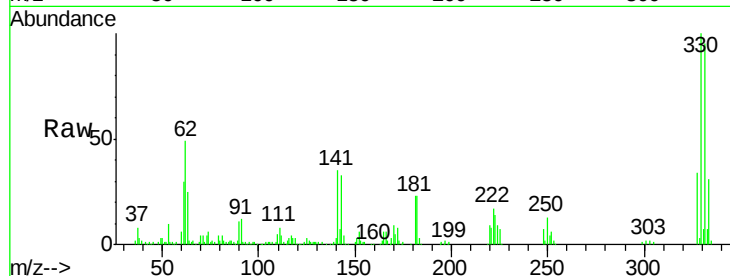
#41
 2,4,6-Tribromophenol
 Concen: 89.008 ng
 RT: 10.79 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: BF104198.D
 Acq: 3 Apr 2018 23:42

Instrument :
 BNA_F
 ClientSampleId :
 6-WM-DIP-7-WW(1-5)

Tot Ion	Ratio	Resp	Lower	Upper
330	100	216737		
332	97.6	77.0	115.6	
141	30.2	29.9	44.9	

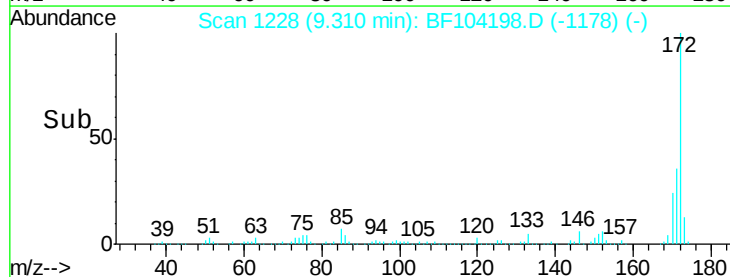
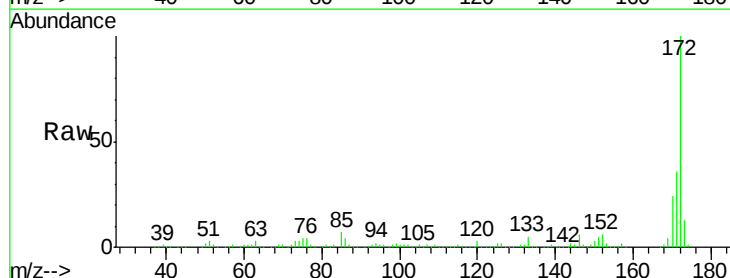
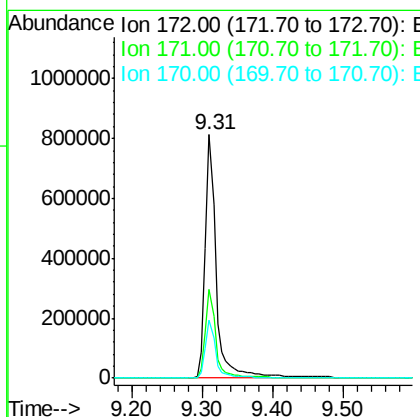
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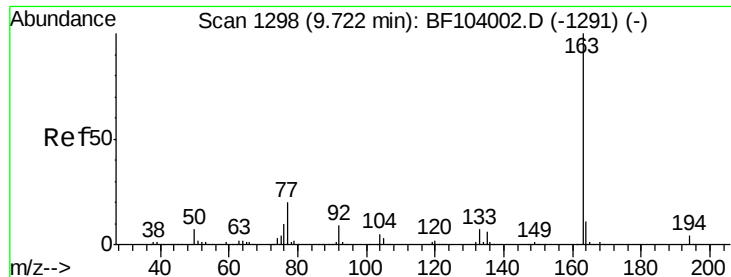
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#44
 2-Fluorobiphenyl
 Concen: 64.552 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF104198.D
 Acq: 3 Apr 2018 23:42

Tgt Ion	Ratio	Resp	Lower	Upper
172	100	895183		
171	36.4	29.7	44.5	
170	23.6	19.6	29.4	





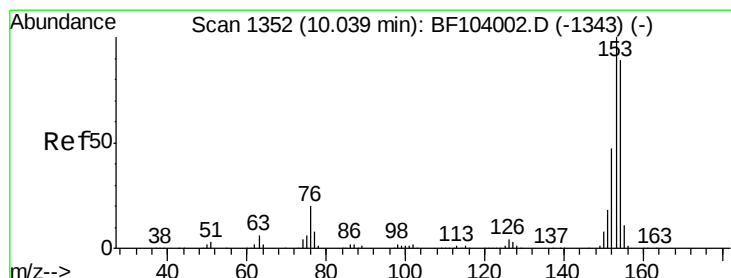
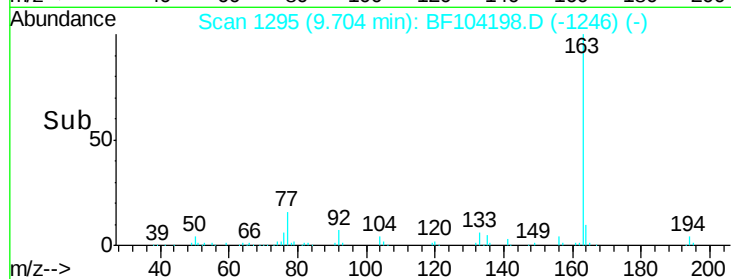
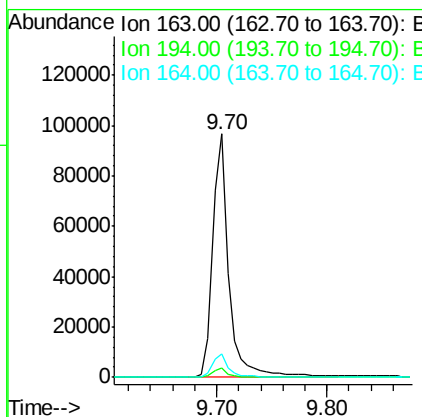
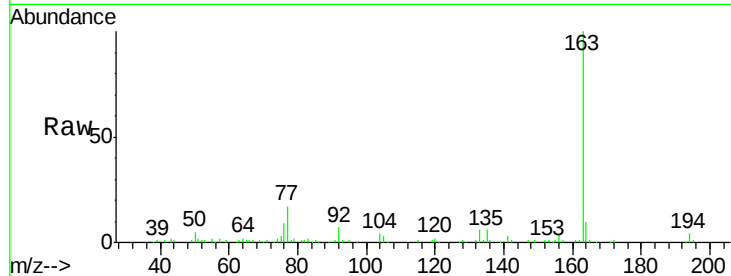
#49
Dimethylphthalate
Concen: 5.638 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF104198.D
Acq: 3 Apr 2018 23:42

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-7-WW(1-5)

Tot Ion:	163	Resp:	97351
Ion Ratio	Lower	Upper	
163	100		
194	4.0	2.7	4.1
164	9.7	8.2	12.2

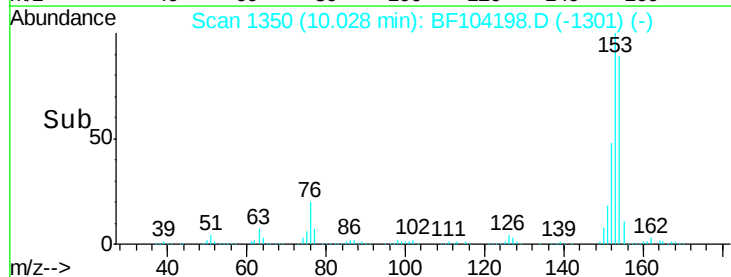
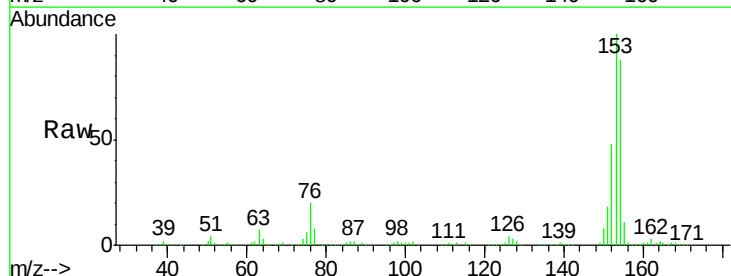
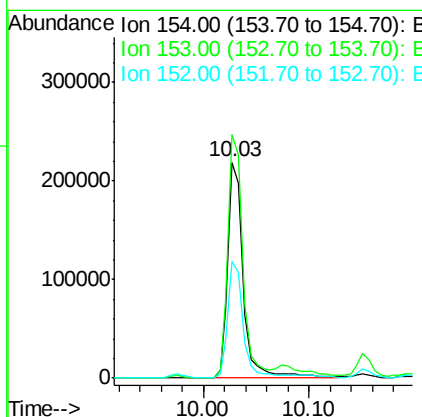
Manual Integrations
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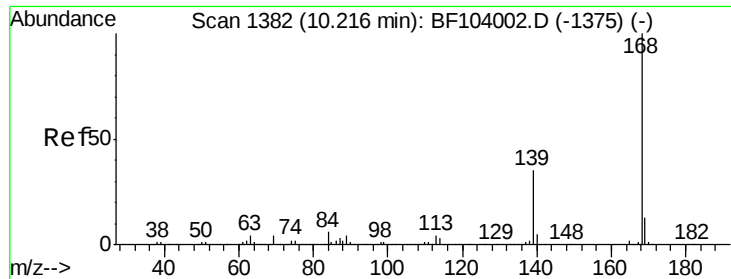
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#51
Acenaphthene
Concen: 17.407 ng
RT: 10.03 min Scan# 1350
Delta R.T. -0.01 min
Lab File: BF104198.D
Acq: 3 Apr 2018 23:42

Tgt Ion:	154	Resp:	225856
Ion Ratio	Lower	Upper	
154	100		
153	113.0	91.2	136.8
152	54.4	43.8	65.8





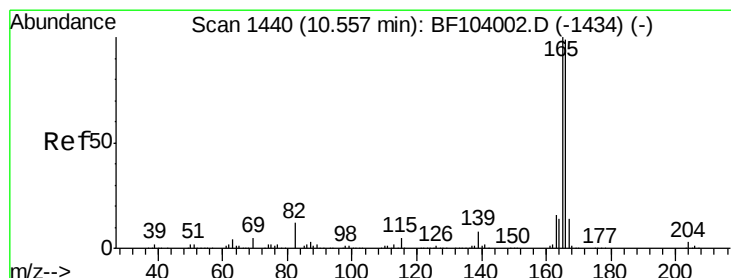
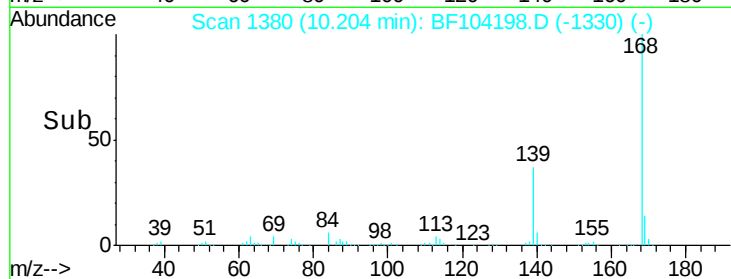
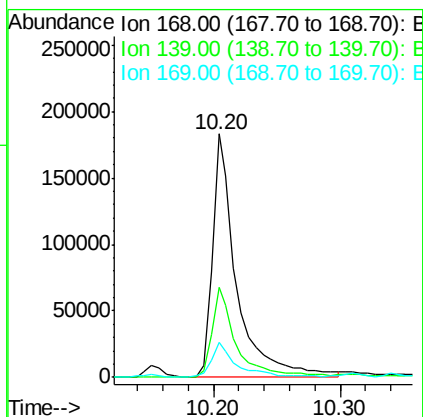
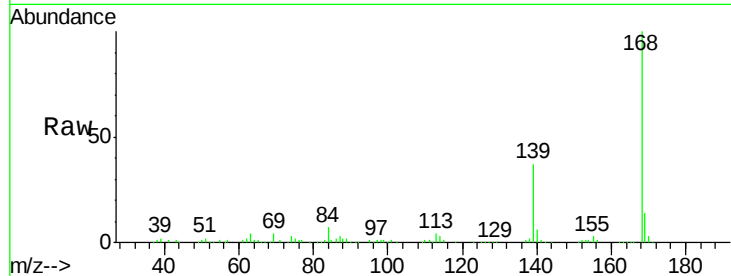
#54
Dibenzofuran
Concen: 12.751 ng
RT: 10.20 min Scan# 1380
Delta R.T. -0.01 min
Lab File: BF104198.D
Acq: 3 Apr 2018 23:42

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-7-WW(1-5)

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.9	30.1	45.1
169	14.1	10.9	16.3

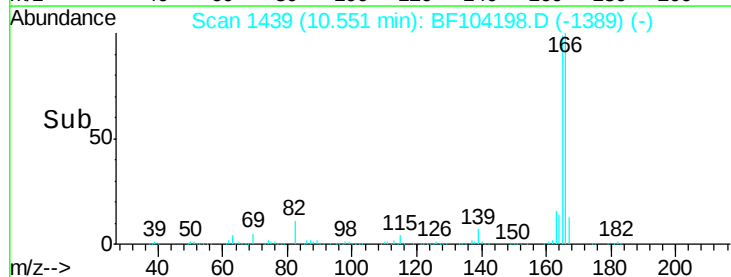
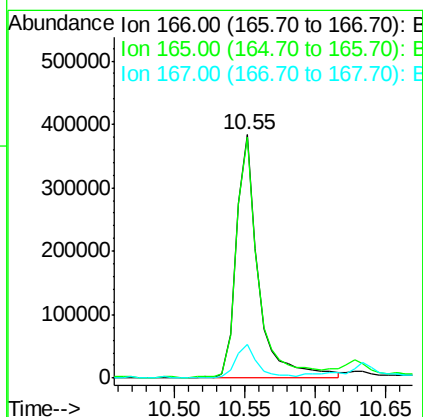
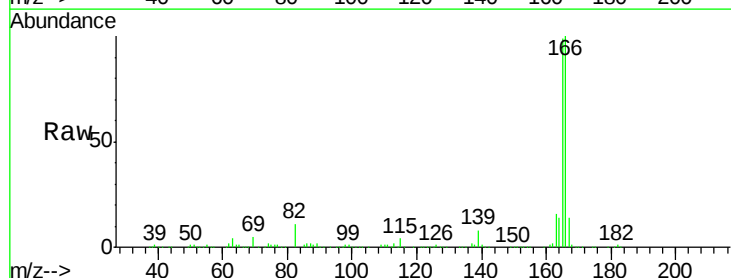
Manual Integrations
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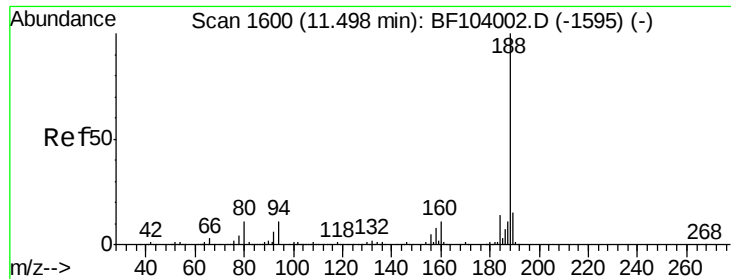
Sohil
4/4/2018 4:10:07 PM



#57
Fluorene
Concen: 26.463 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.01 min
Lab File: BF104198.D
Acq: 3 Apr 2018 23:42

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.8	79.8	119.8
167	13.6	10.6	16.0





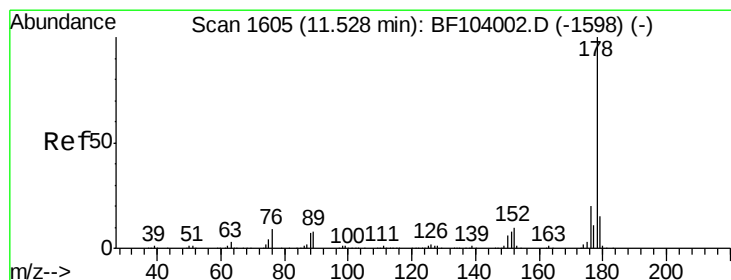
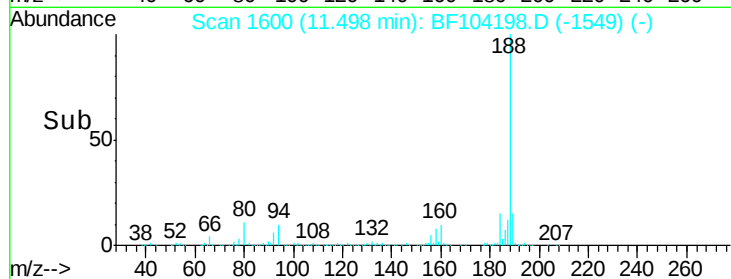
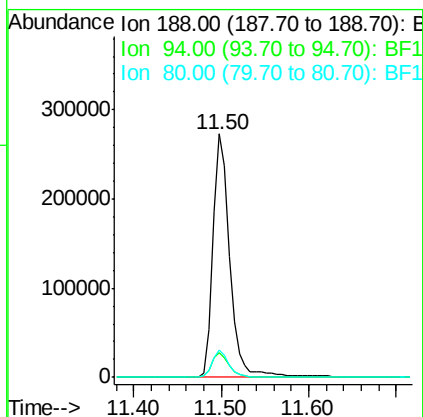
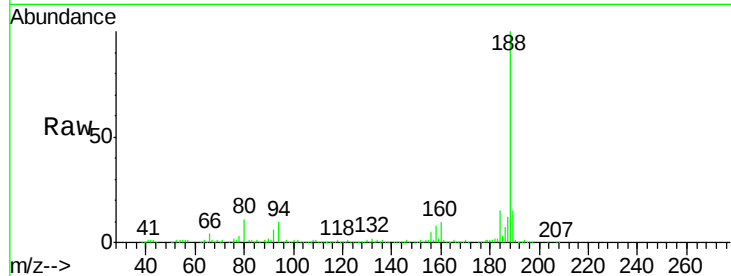
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1600
Delta R.T. 0.00 min
Lab File: BF104198.D
Acq: 3 Apr 2018 23:42

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-7-WW(1-5)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	368892		
94	10.3		8.5	12.7
80	11.4		9.2	13.8

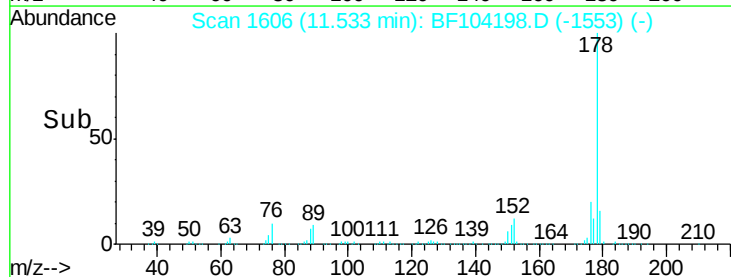
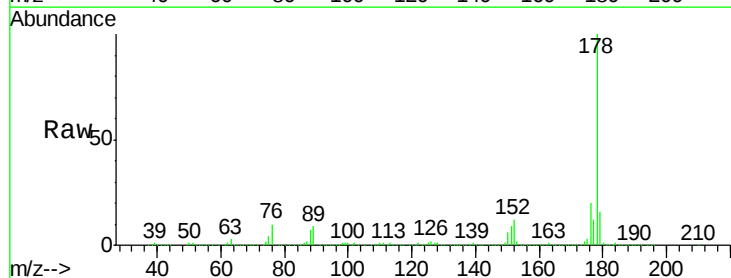
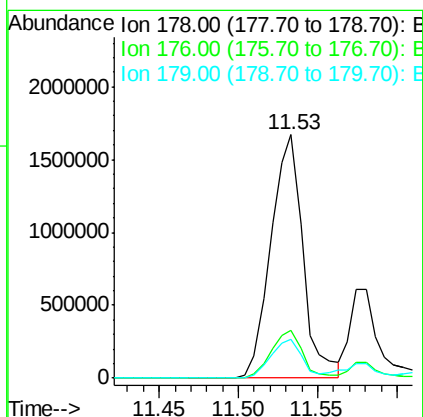
Manual Integrations
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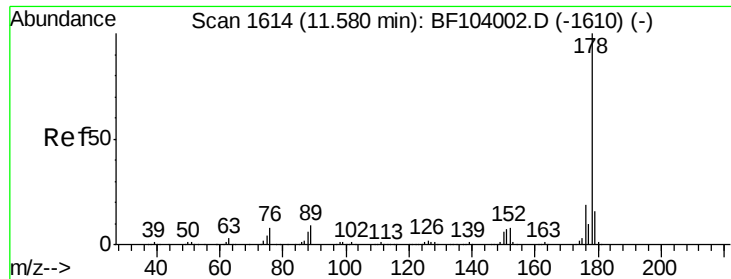
Sohil
4/4/2018 4:10:07 PM



#70
Phenanthrene
Concen: 117.806 ng
RT: 11.53 min Scan# 1606
Delta R.T. 0.01 min
Lab File: BF104198.D
Acq: 3 Apr 2018 23:42

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	2352844		
176	19.6		15.8	23.8
179	15.9		13.0	19.6





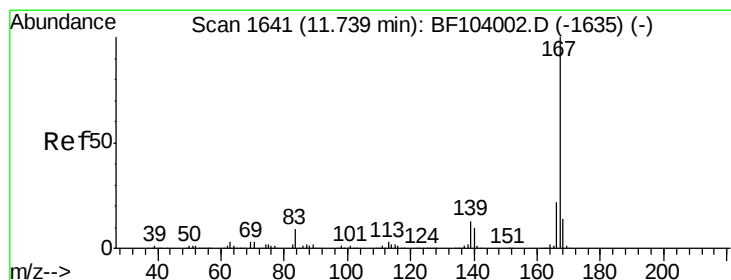
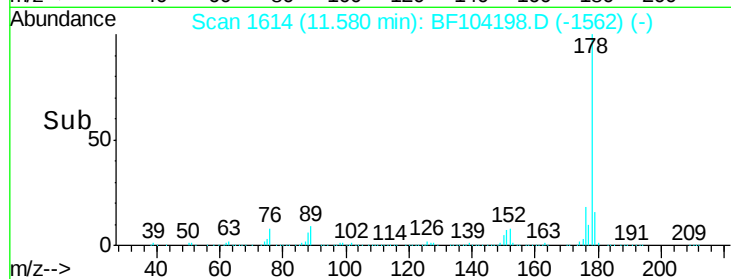
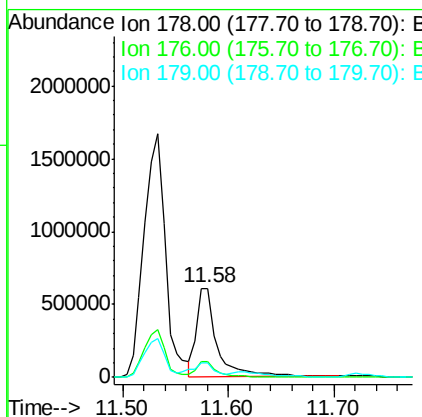
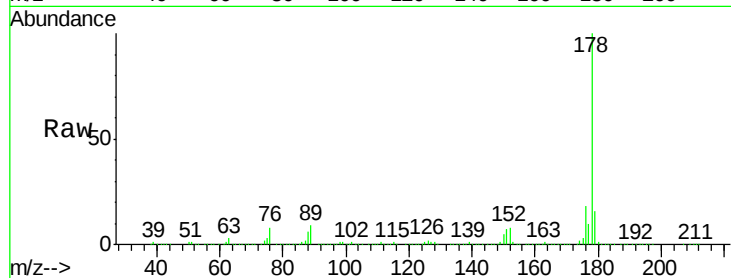
#71
 Anthracene
 Concen: 38.981 ng
 RT: 11.58 min Scan# 1614
 Delta R.T. 0.01 min
 Lab File: BF104198.D
 Acq: 3 Apr 2018 23:42

Instrument :
 BNA_F
 ClientSampleId :
 6-WM-DIP-7-WW(1-5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.4	15.4	23.2
179	16.1	12.6	19.0

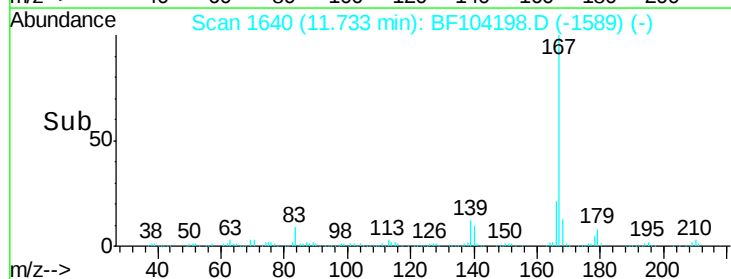
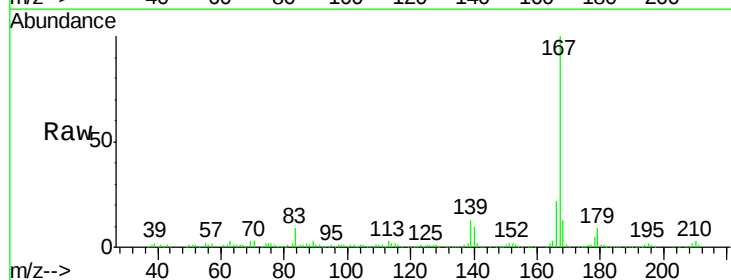
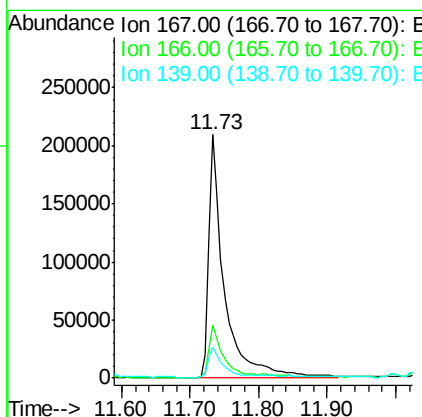
Manual Integrations
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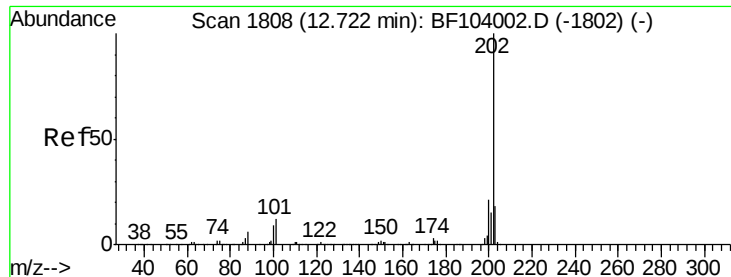
Sohil
 4/4/2018 4:10:07 PM



#72
 Carbazole
 Concen: 16.672 ng
 RT: 11.73 min Scan# 1640
 Delta R.T. 0.00 min
 Lab File: BF104198.D
 Acq: 3 Apr 2018 23:42

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.6	26.4
139	12.6	10.9	16.3





#74

Fluoranthene

Concen: 108.675 ng

RT: 12.73 min Scan# 1809

Delta R.T. 0.01 min

Lab File: BF104198.D

Acq: 3 Apr 2018 23:42

Instrument :

BNA_F

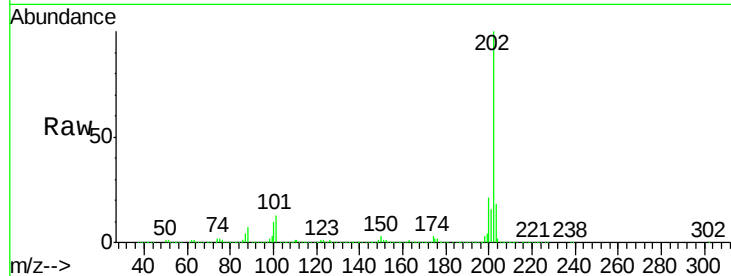
ClientSampleId :

6-WM-DIP-7-WW(1-5)

Tot Ion:	202	Resp:	2307113
Ion	Ratio	Lower	Upper
202	100		
101	13.2	0.0	34.1
203	18.2	0.0	38.1

Manual Integrations
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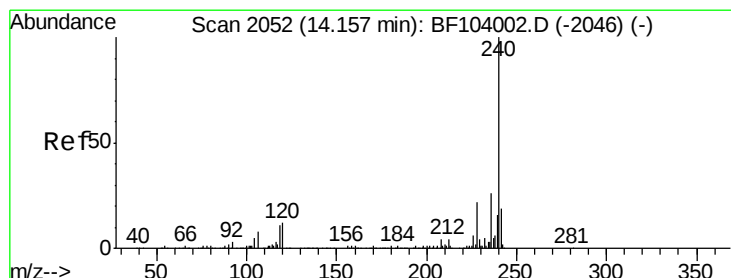
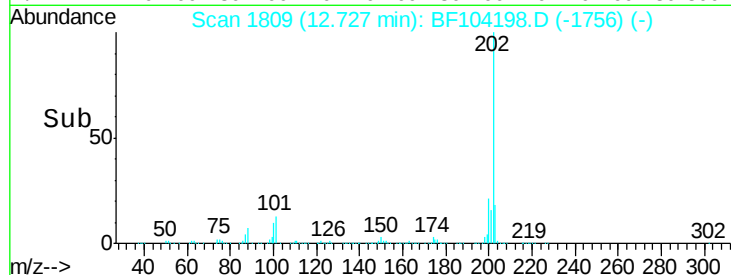
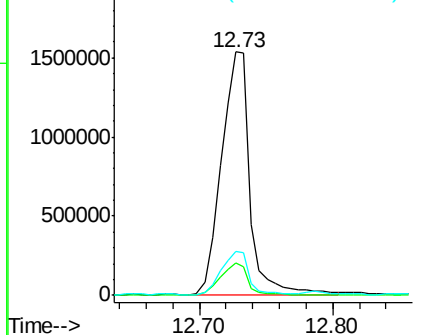


Abundance

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

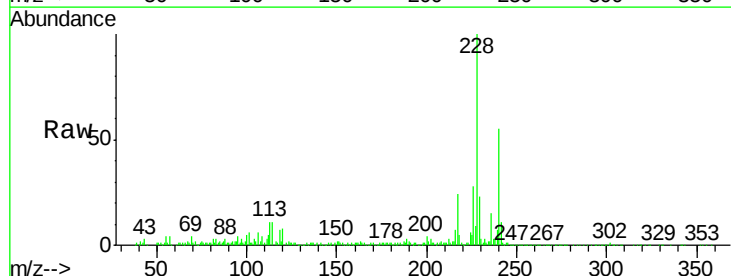
RT: 14.16 min Scan# 2052

Delta R.T. 0.00 min

Lab File: BF104198.D

Acq: 3 Apr 2018 23:42

Tgt Ion:	240	Resp:	216465
Ion	Ratio	Lower	Upper
240	100		
120	14.2	9.5	14.3
236	26.5	20.7	31.1

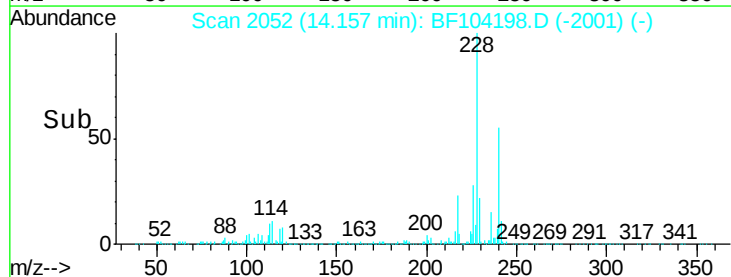
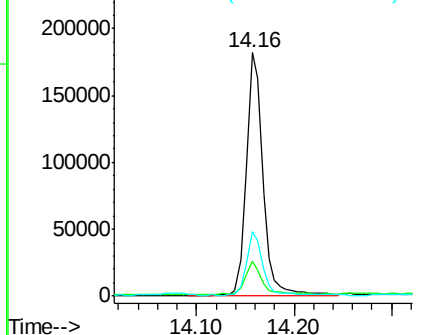


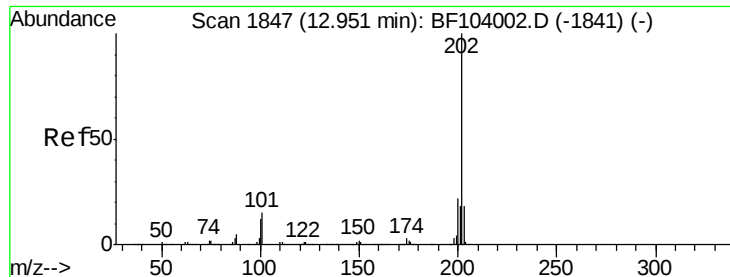
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





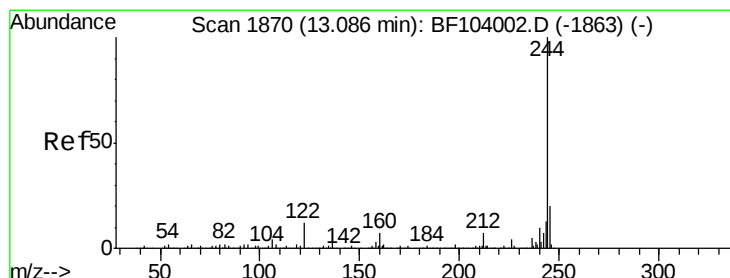
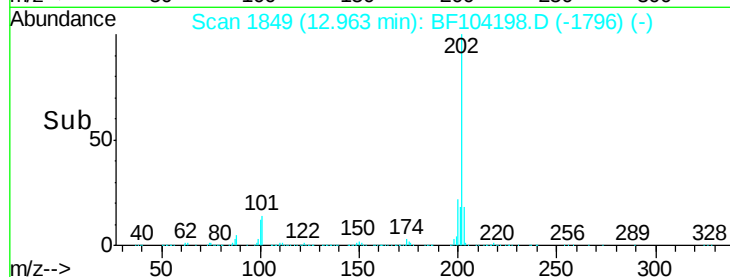
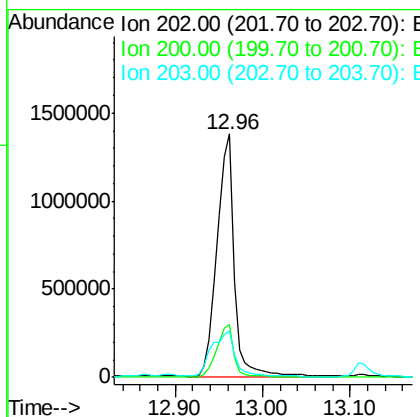
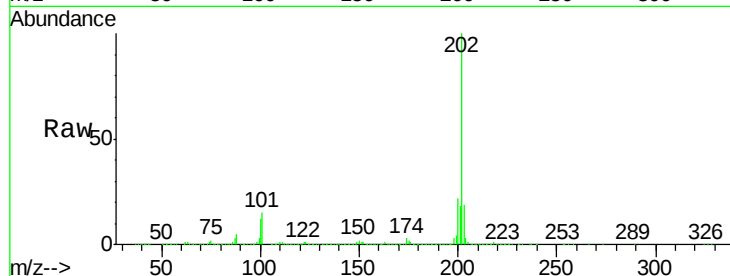
#77
Pvrene
Concen: 122.144 ng
RT: 12.96 min Scan# 1849
Delta R.T. 0.01 min
Lab File: BF104198.D
Acq: 3 Apr 2018 23:42

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-7-WW(1-5)

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.8	17.4	26.2
203	19.1	14.3	21.5

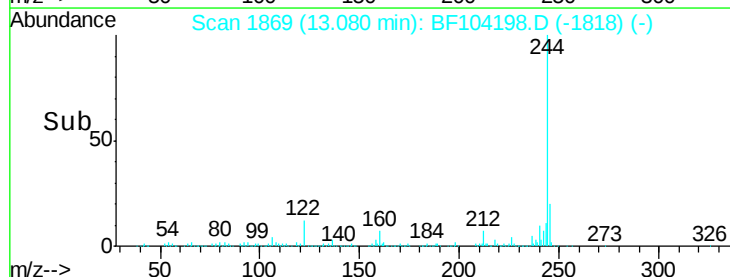
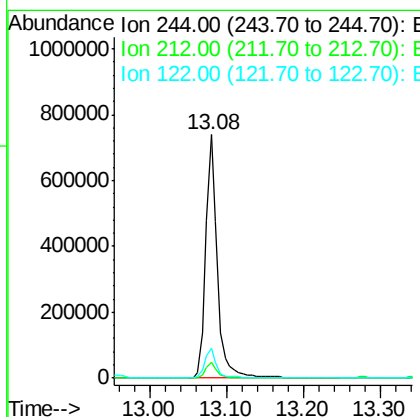
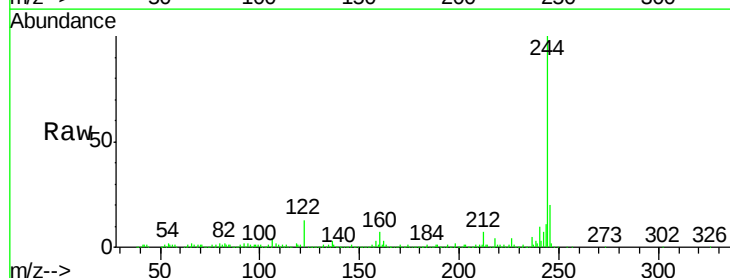
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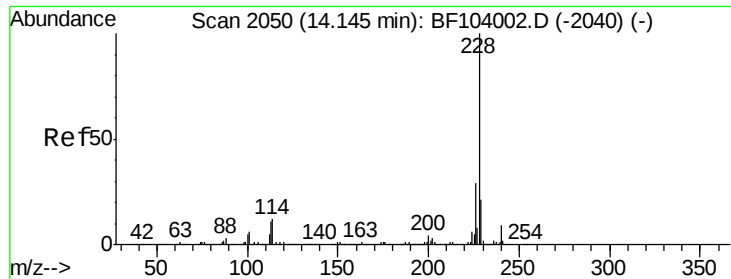
Sohil
4/4/2018 4:10:07 PM



#78
Terphenyl-d14
Concen: 83.471 ng
RT: 13.08 min Scan# 1869
Delta R.T. 0.00 min
Lab File: BF104198.D
Acq: 3 Apr 2018 23:42

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	12.5	11.0	16.4





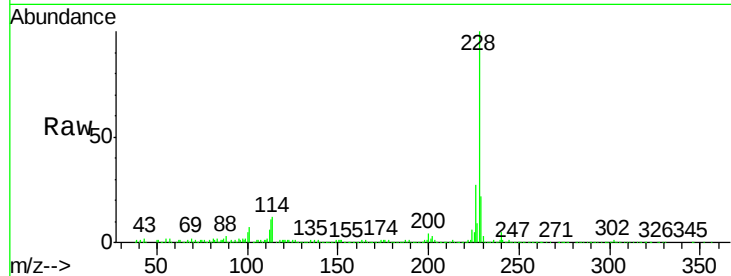
#80
Benzo(a)anthracene
Concen: 64.081 ng
RT: 14.14 min Scan# 2050
Delta R.T. 0.00 min
Lab File: BF104198.D
Acq: 3 Apr 2018 23:42

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-7-WW(1-5)

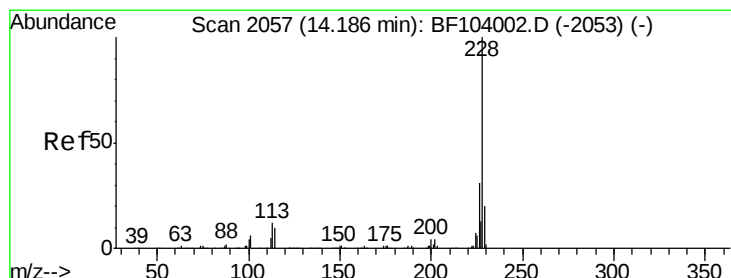
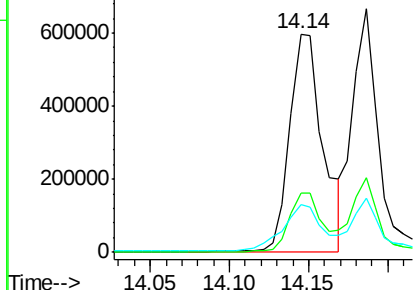
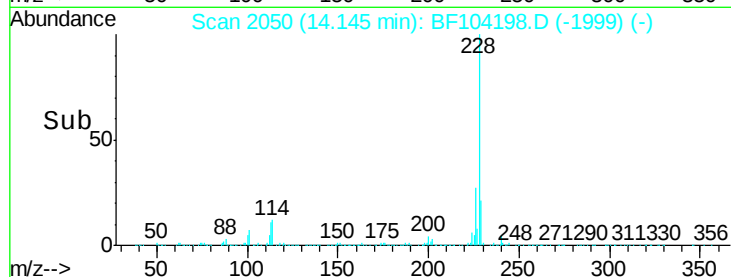
Tot Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.6	33.8
229	21.7	15.8	23.6

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4/4/2018 4:10:07 PM

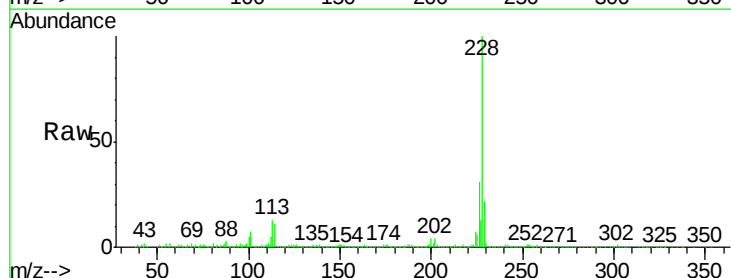


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

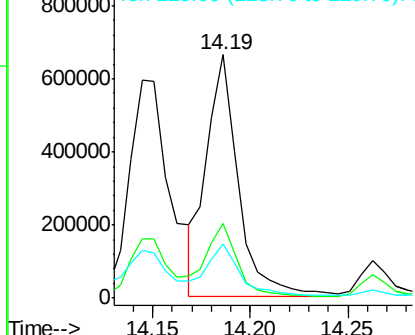
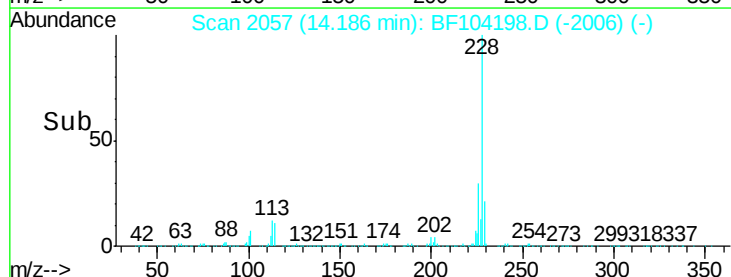


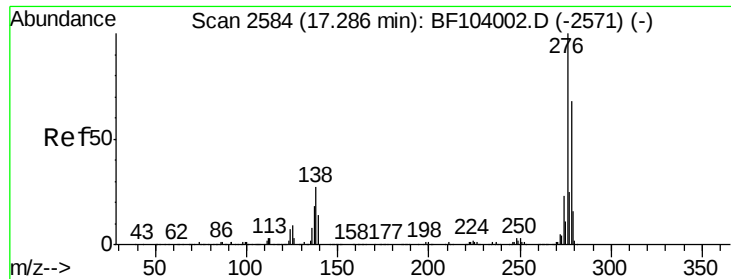
#82
Chrysene
Concen: 57.200 ng
RT: 14.19 min Scan# 2057
Delta R.T. 0.00 min
Lab File: BF104198.D
Acq: 3 Apr 2018 23:42

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.7	25.0	37.6
229	22.0	16.2	24.4



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





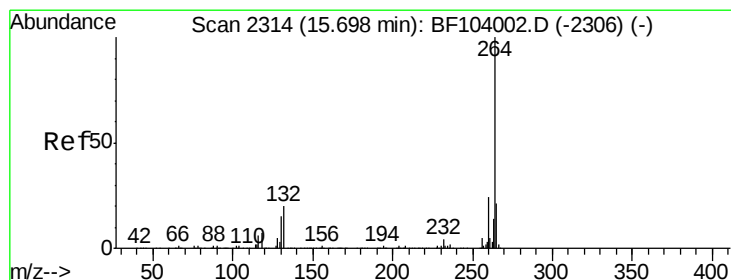
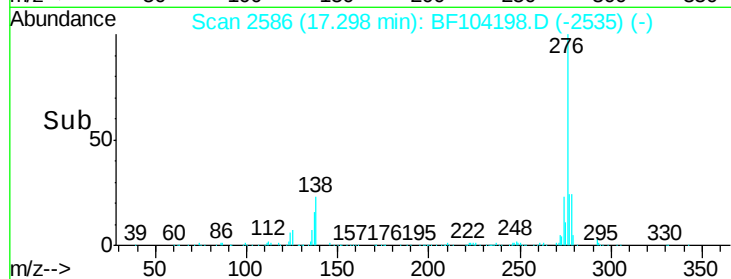
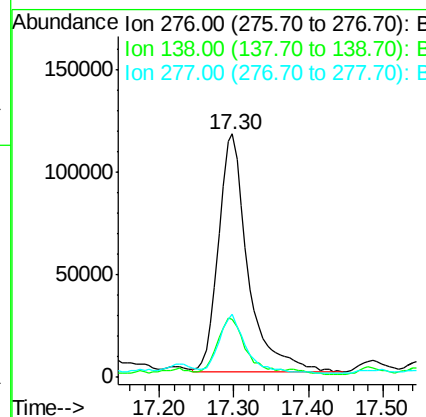
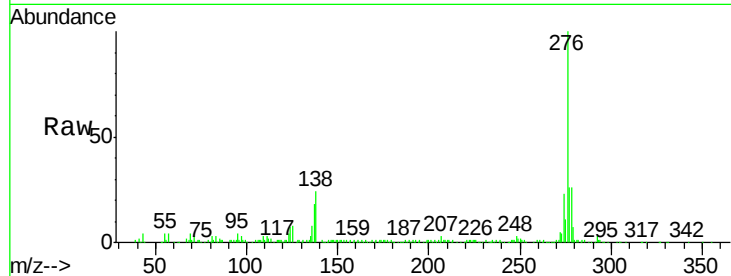
#85
Indeno(1,2,3-cd)pyrene
Concen: 22.956 ng
RT: 17.30 min Scan# 2586
Delta R.T. -0.00 min
Lab File: BF104198.D
Acq: 3 Apr 2018 23:42

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-7-WW(1-5)

Tot Ion	Ratio	Lower	Upper
276	100		
138	25.2	25.0	37.6
277	22.5	20.1	30.1

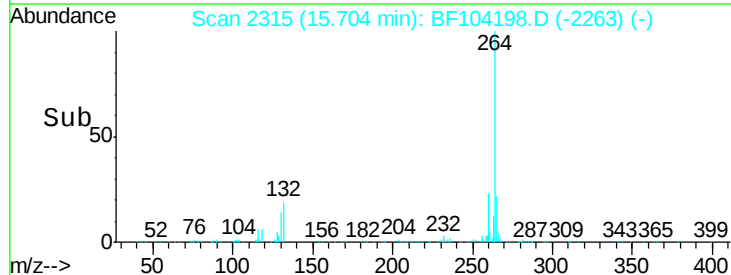
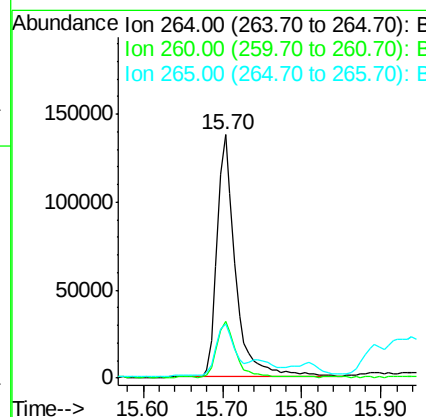
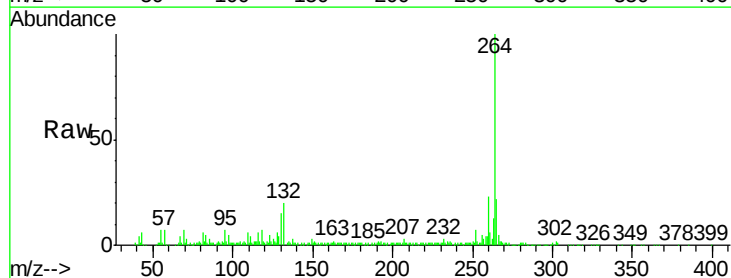
Manual Integrations
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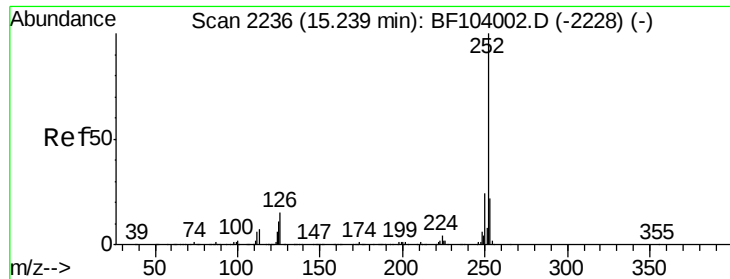
Sohil
4/4/2018 4:10:07 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.70 min Scan# 2315
Delta R.T. 0.01 min
Lab File: BF104198.D
Acq: 3 Apr 2018 23:42

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.1	19.2	28.8
265	22.3	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 55.816 ng m

RT: 15.24 min Scan# 2237

Delta R.T. 0.01 min

Lab File: BF104198.D

Acq: 3 Apr 2018 23:42

Instrument :

BNA_F

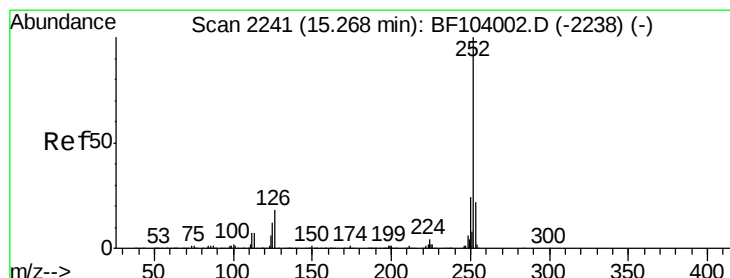
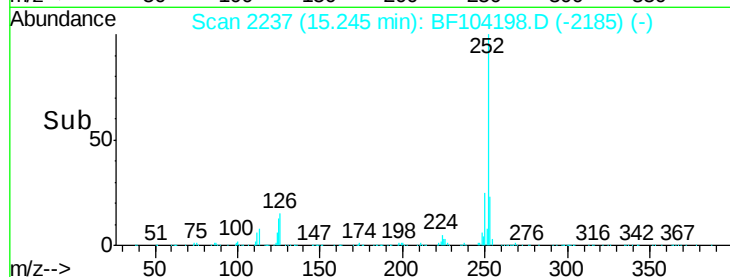
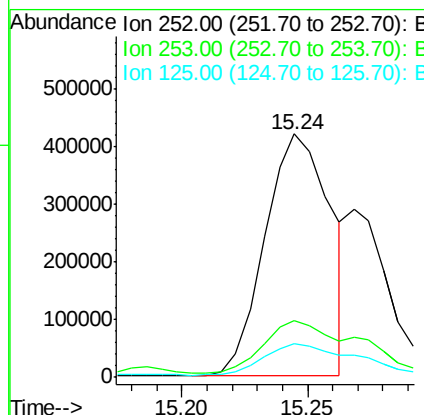
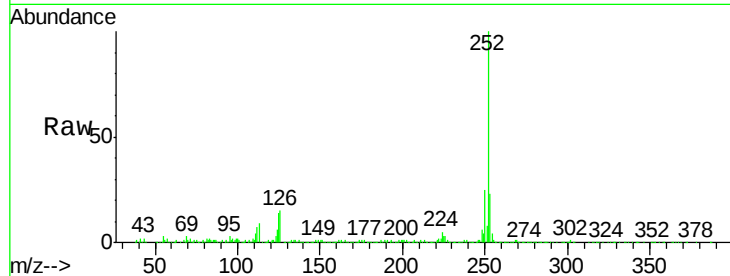
ClientSampleId :

6-WM-DIP-7-WW(1-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.0	25.6
125	13.9	9.0	13.6

Manual Integrations
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Sohil
4/4/2018 4:10:07 PM



#88

Benzo(k)fluoranthene

Concen: 27.091 ng m

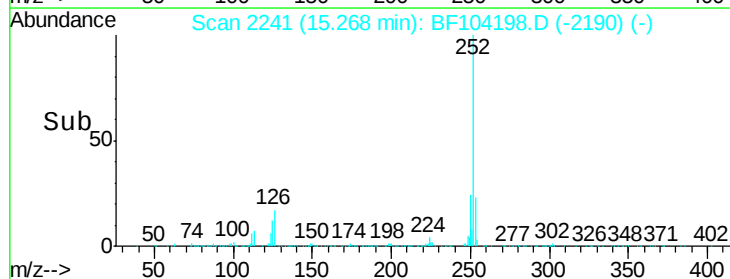
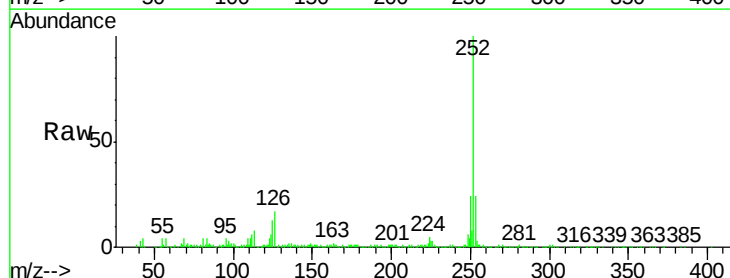
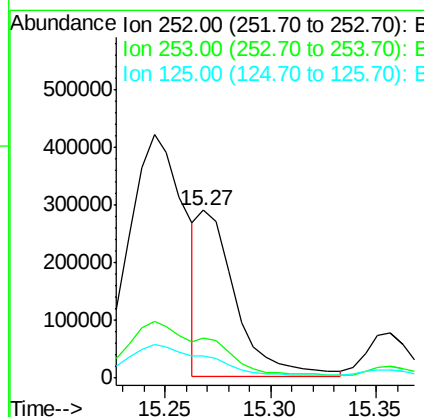
RT: 15.27 min Scan# 2241

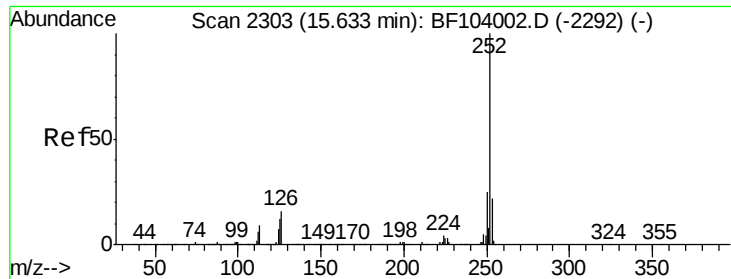
Delta R.T. 0.00 min

Lab File: BF104198.D

Acq: 3 Apr 2018 23:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.9	26.9
125	13.5	10.2	15.2





#89

Benzo(a)pyrene

Concen: 46.412 ng

RT: 15.64 min Scan# 2304

Delta R.T. 0.01 min

Lab File: BF104198.D

Acq: 3 Apr 2018 23:42

Instrument :

BNA_F

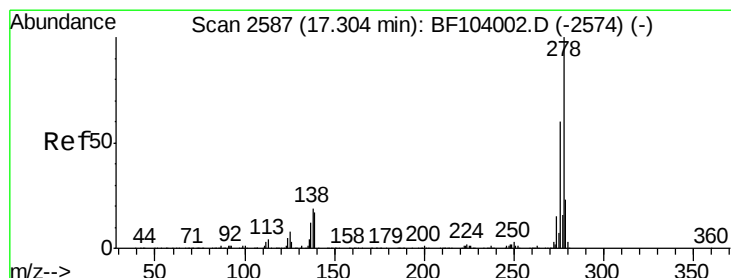
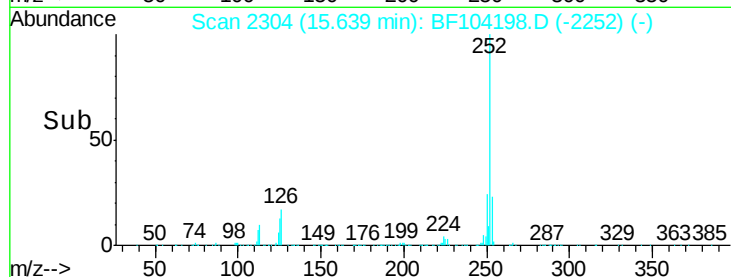
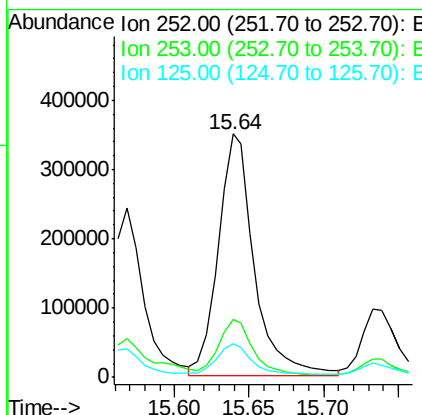
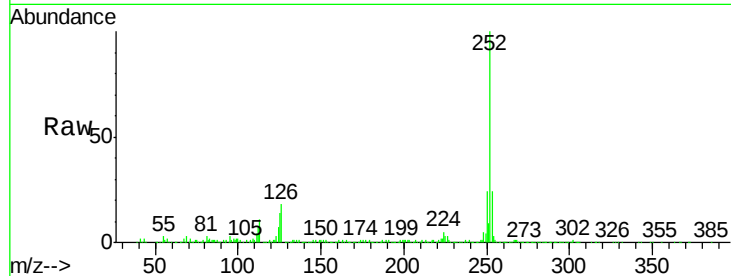
ClientSampleId :

6-WM-DIP-7-WW(1-5)

Tot Ion:	252	Resp:	587593
Ion Ratio	Lower	Upper	
252	100		
253	23.6	17.1	25.7
125	13.9	9.8	14.6

Manual Integrations
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Sohil
4/4/2018 4:10:07 PM



#90

Dibenzo(a,h)anthracene

Concen: 5.557 ng m

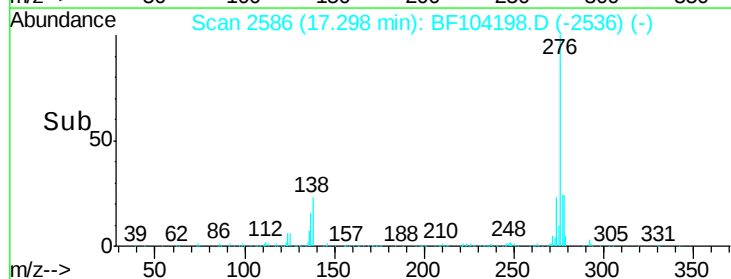
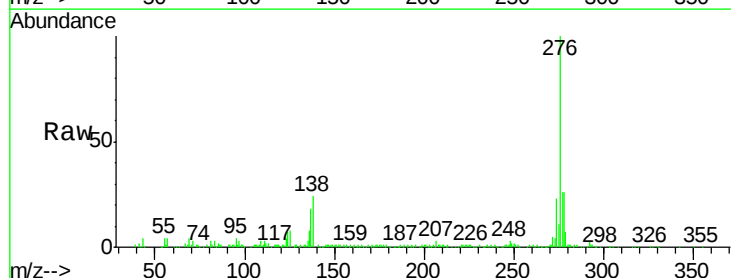
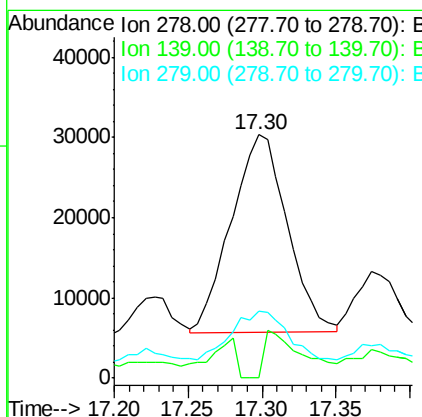
RT: 17.30 min Scan# 2586

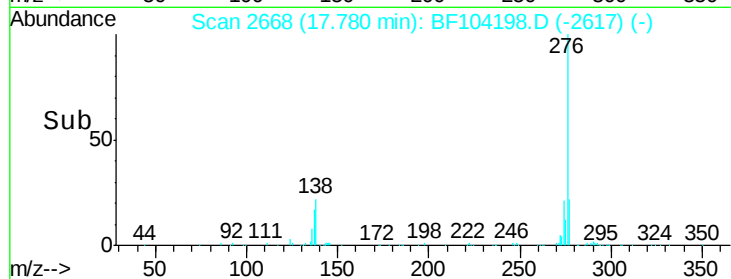
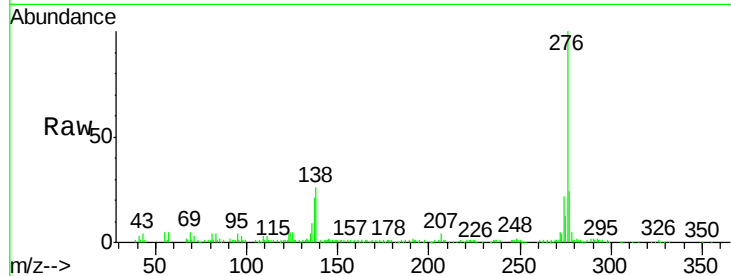
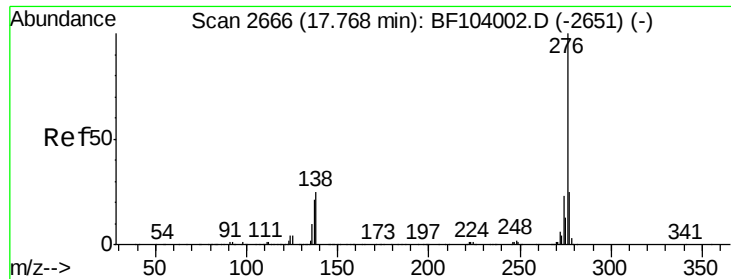
Delta R.T. -0.01 min

Lab File: BF104198.D

Acq: 3 Apr 2018 23:42

Tgt Ion:	278	Resp:	65042
Ion Ratio	Lower	Upper	
278	100		
139	0.0	15.9	23.9#
279	27.8	19.0	28.4





#91

Benzo(a,h,i)perylene

Concen: 22.920 ng

RT: 17.78 min Scan# 2668

Delta R.T. 0.00 min

Lab File: BF104198.D

Acq: 3 Apr 2018 23:42

Instrument :

BNA_F

ClientSampleId :

6-WM-DIP-7-WW(1-5)

Tot Ion:	276	Resp:	268721
Ion Ratio	Lower	Upper	
276	100		
277	24.0	17.9	26.9
138	25.8	21.8	32.8

Manual Integrations
APPROVED

Sohil
4/4/2018 4:10:07 PM

