

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
 Data File : BF104196.D
 Acq On : 3 Apr 2018 22:49
 Operator : JU/SJ
 Sample : J2182-15
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 6-WM-DIP-6-WW(2.5-5)

Manual Integrations
 APPROVED

Sohil
 4/4/2018 4:10:02 PM

Quant Time: Apr 04 02:02:07 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	115682	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	496538	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	235444	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	424703	20.00	ng	0.00
75) Chrysene-d12	14.15	240	261965	20.00	ng	0.00
86) Perylene-d12	15.69	264	248920	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	962248	132.65	ng	0.01
7) Phenol-d6	6.60	99	1296273	145.25	ng	0.00
23) Nitrobenzene-d5	7.53	82	788314	97.09	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	360248	137.41	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	1462459	97.95	ng	0.00
78) Terphenyl-d14	13.08	244	1283821	113.16	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.26	128	55251	2.278	ng	99
49) Dimethylphthalate	9.70	163	105600	5.681	ng	99
51) Acenaphthene	10.03	154	38635	2.766	ng	96
57) Fluorene	10.55	166	43361	2.577	ng	98
70) Phenanthrene	11.52	178	525020	22.833	ng	97
71) Anthracene	11.57	178	160860	6.698	ng	97
72) Carbazole	11.74	167	81034	3.535	ng	99
74) Fluoranthene	12.72	202	741415	30.334	ng	98
77) Pyrene	12.94	202	594983	31.595	ng	99
80) Benzo(a)anthracene	14.14	228	301347	18.384	ng	98
82) Chrysene	14.17	228	263588	16.418	ng	98
85) Indeno(1,2,3-cd)pyrene	17.29	276	132053	7.937	ng	# 88
87) Benzo(b)fluoranthene	15.23	252	286384m	18.904	ng	
88) Benzo(k)fluoranthene	15.26	252	140816m	9.868	ng	
89) Benzo(a)pyrene	15.63	252	215186	15.328	ng	95
90) Dibenzo(a,h)anthracene	17.29	278	26906m	2.073	ng	
91) Benzo(g,h,i)perylene	17.77	276	116966	8.997	ng	93

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

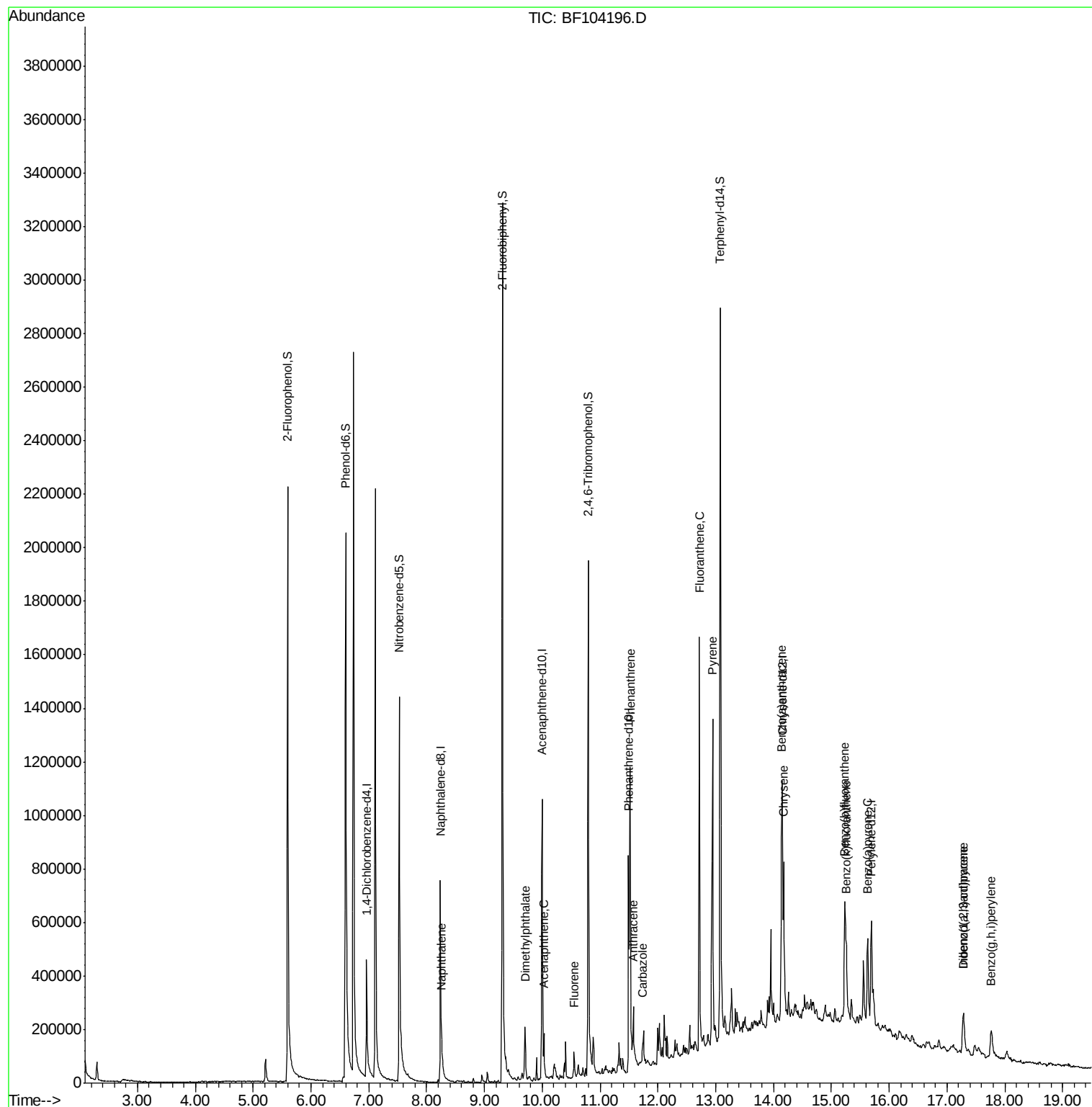
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#1

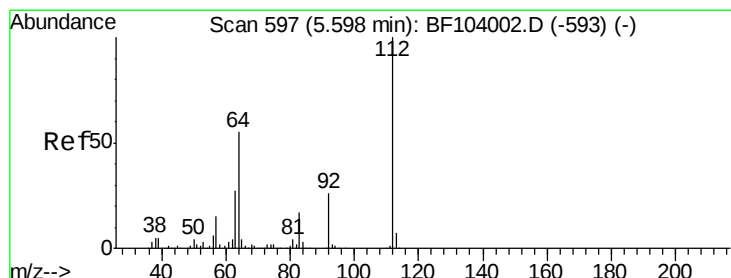
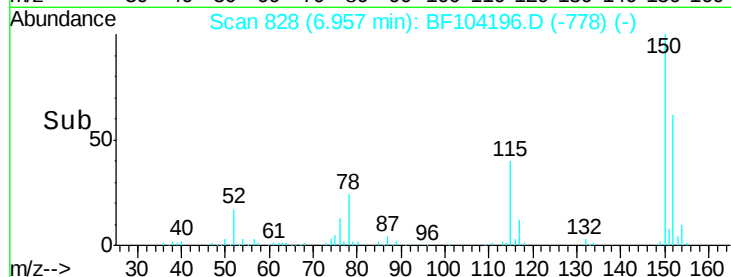
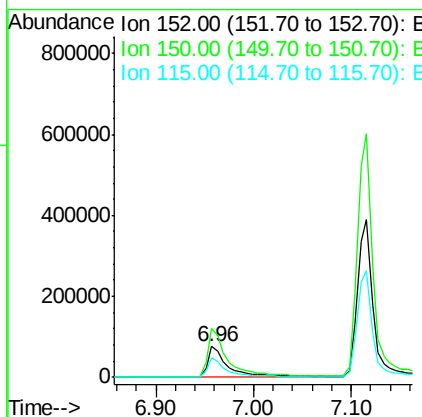
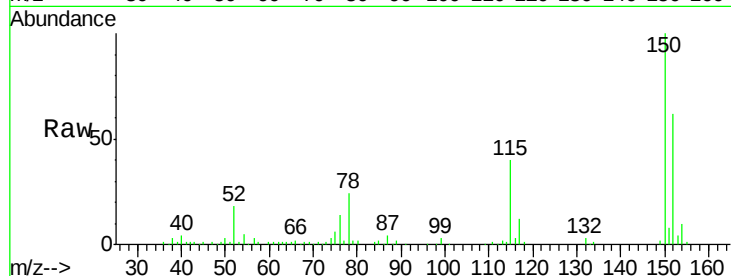
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF104196.D
Acq: 3 Apr 2018 22:49

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-6-WW(2.5-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.3	124.6	186.8
115	64.0	50.1	75.1

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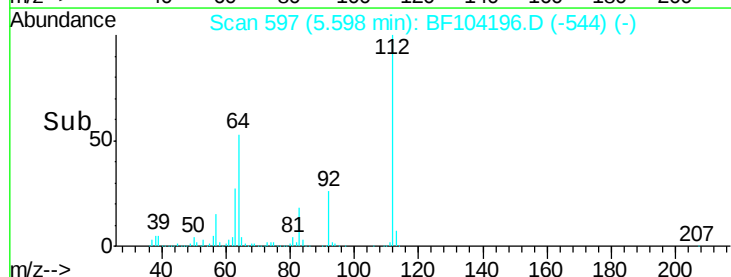
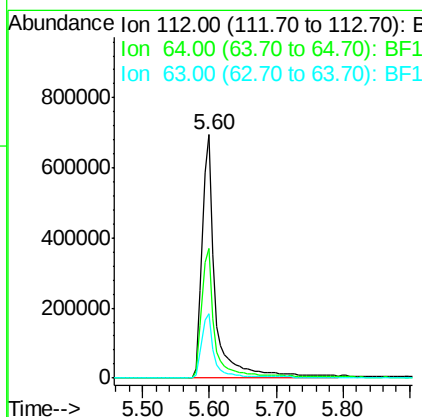
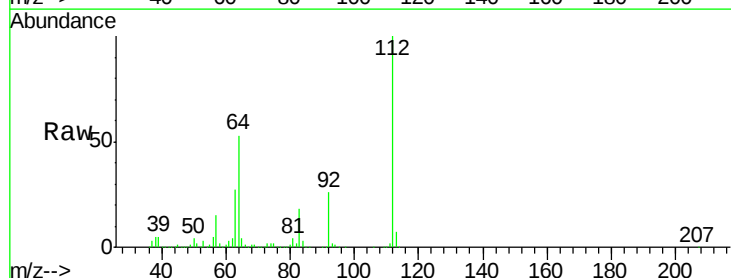
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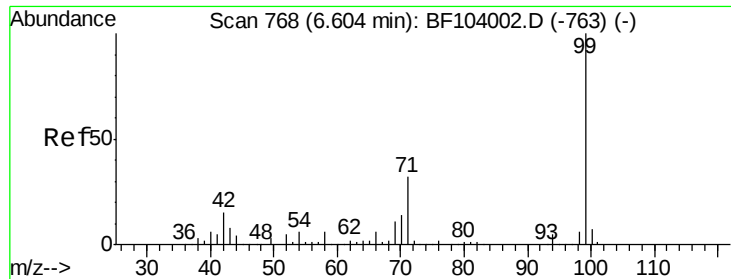


#5

2-Fluorophenol
Concen: 132.652 ng
RT: 5.60 min Scan# 597
Delta R.T. 0.01 min
Lab File: BF104196.D
Acq: 3 Apr 2018 22:49

Tgt Ion	Ratio	Lower	Upper
112	100		
64	53.2	47.9	71.9
63	26.7	23.7	35.5





#7

Phenol-d6

Concen: 145.248 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.01 min

Lab File: BF104196.D

Acq: 3 Apr 2018 22:49

Instrument :

BNA_F

ClientSampleId :

6-WM-DIP-6-WW(2.5-5)

Tot Ion: 99 Resp: 1296273

Ion Ratio Lower Upper

99 100

42 14.3 14.5 21.7#

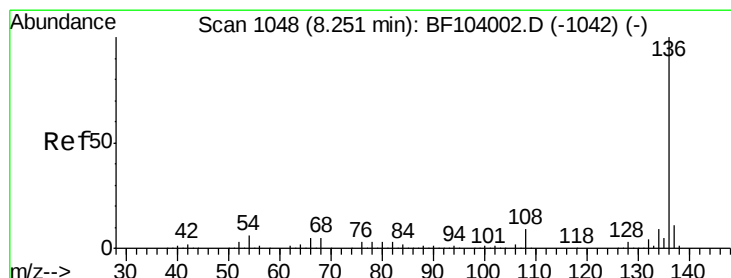
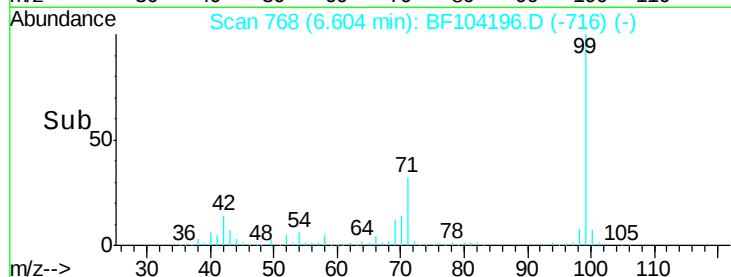
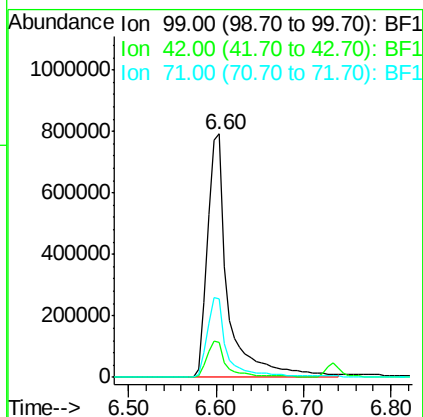
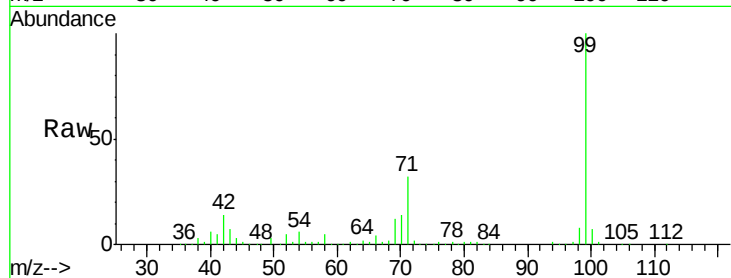
71 32.2 25.4 38.0

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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: BF104196.D

Acq: 3 Apr 2018 22:49

Tgt Ion: 136 Resp: 496538

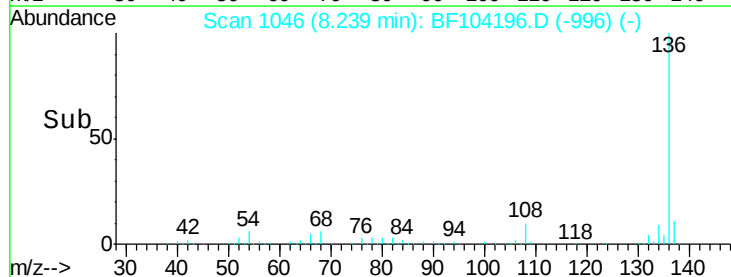
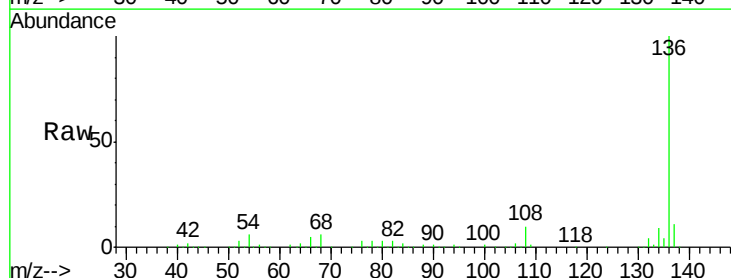
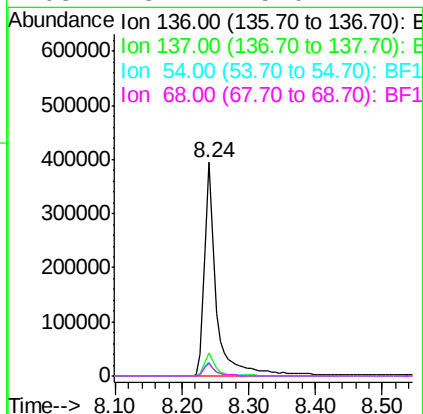
Ion Ratio Lower Upper

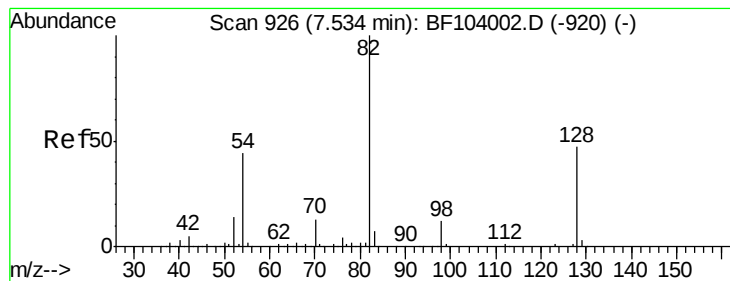
136 100

137 10.9 8.9 13.3

54 6.4 6.6 9.8#

68 5.7 5.0 7.4





#23

Nitrobenzene-d5

Concen: 97.092 ng

RT: 7.53 min Scan# 925

Delta R.T. -0.01 min

Lab File: BF104196.D

Acq: 3 Apr 2018 22:49

Instrument :

BNA_F

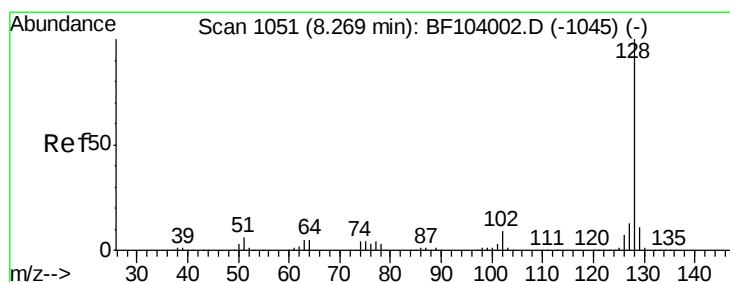
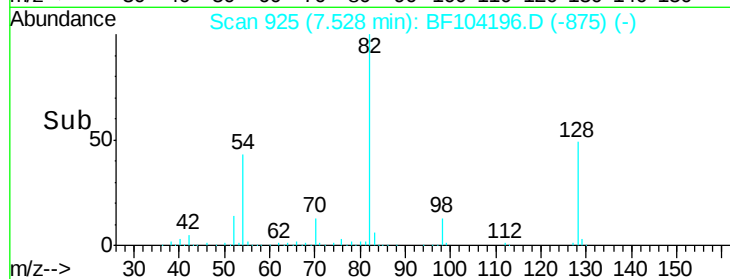
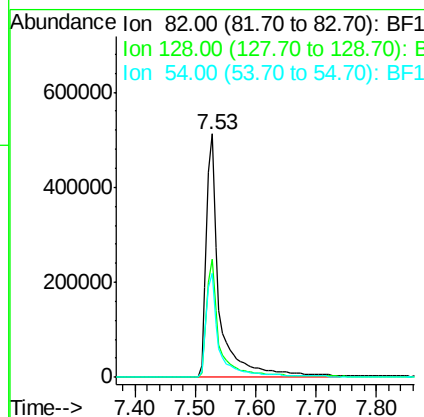
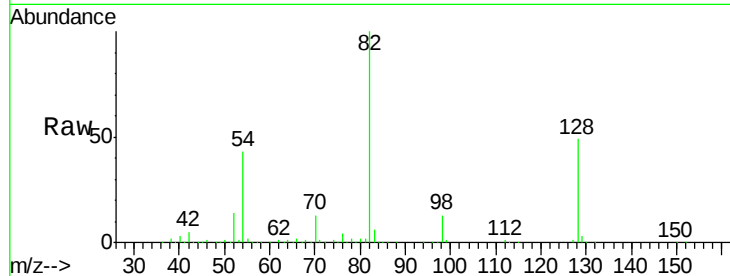
ClientSampleId :

6-WM-DIP-6-WW(2.5-5)

Tot Ion:	82	Resp:	788314
Ion Ratio	Lower	Upper	
82	100		
128	48.5	36.1	54.1
54	42.7	41.4	62.2

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#31

Naphthalene

Concen: 2.278 ng

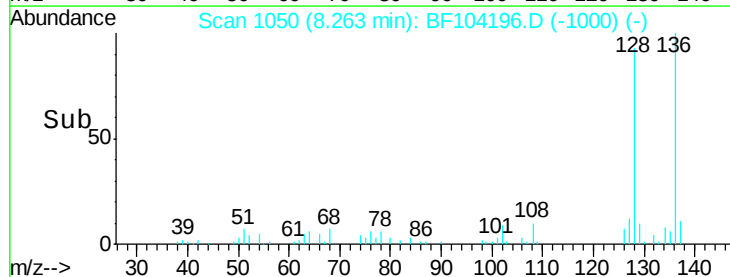
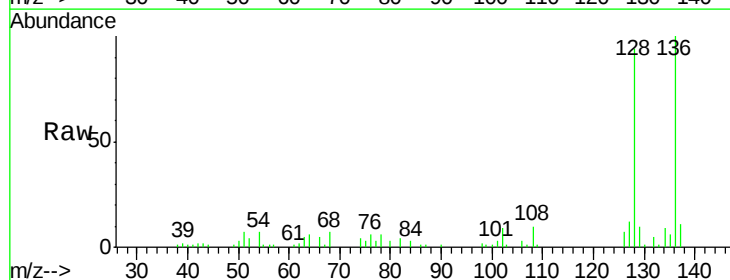
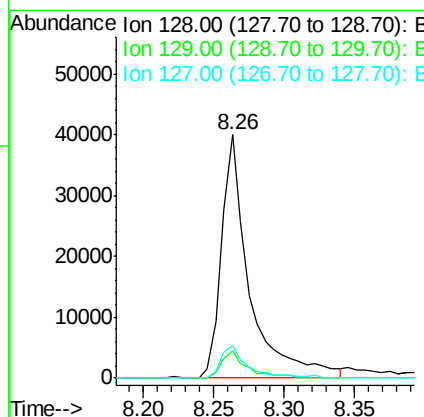
RT: 8.26 min Scan# 1050

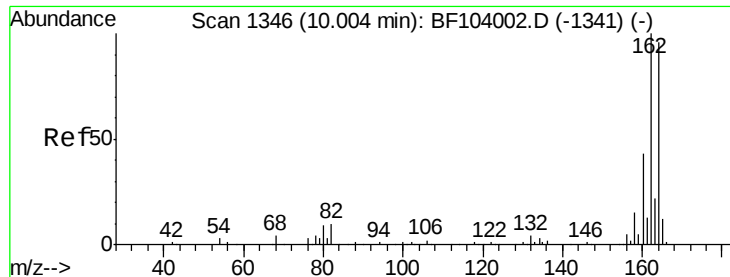
Delta R.T. -0.01 min

Lab File: BF104196.D

Acq: 3 Apr 2018 22:49

Tgt Ion:	128	Resp:	55251
Ion Ratio	Lower	Upper	
128	100		
129	11.1	8.8	13.2
127	13.1	10.9	16.3





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1345

Delta R.T. -0.01 min

Lab File: BF104196.D

Acq: 3 Apr 2018 22:49

Instrument :

BNA_F

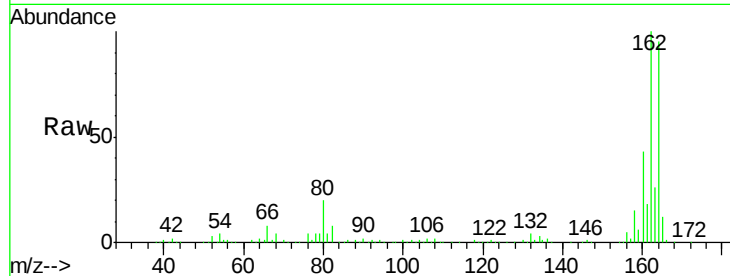
ClientSampleId :

6-WM-DIP-6-WW(2.5-5)

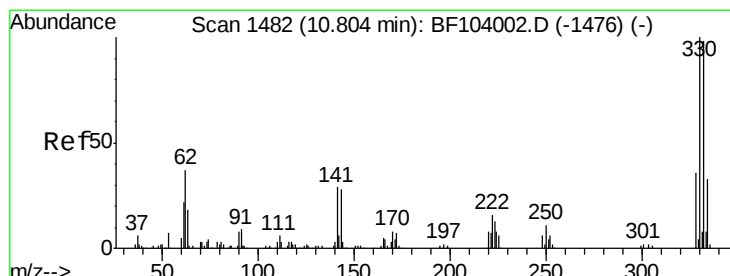
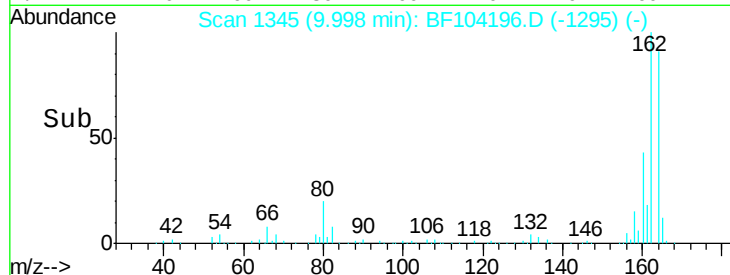
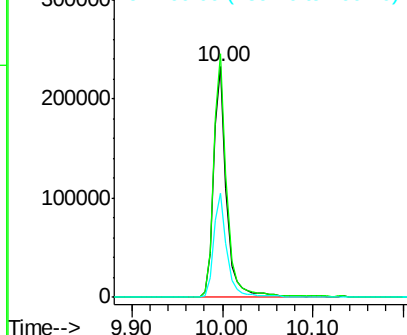
Tot Ion:	164	Resp:	235444
Ion Ratio	Lower	Upper	
164	100		
162	105.6	86.1	129.1
160	45.2	38.3	57.5

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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: 137.411 ng

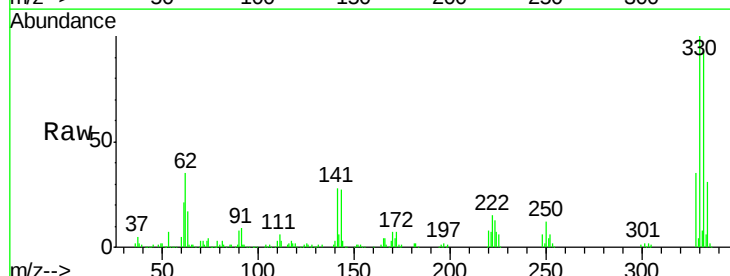
RT: 10.80 min Scan# 1481

Delta R.T. -0.00 min

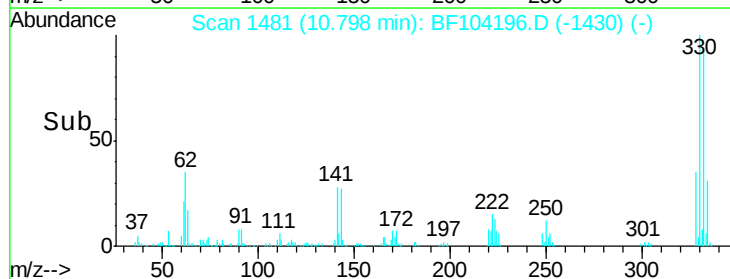
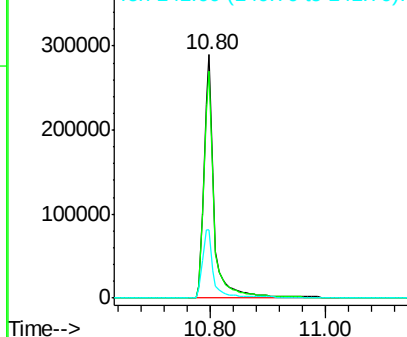
Lab File: BF104196.D

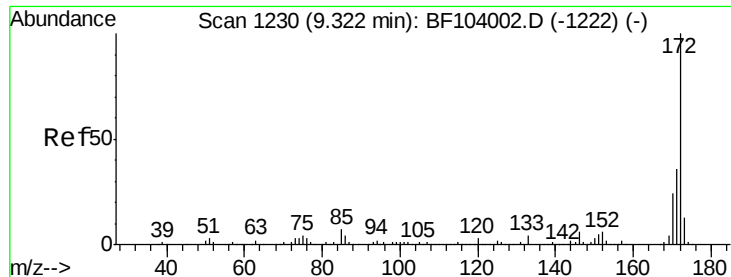
Acq: 3 Apr 2018 22:49

Tgt Ion:	330	Resp:	360248
Ion Ratio	Lower	Upper	
330	100		
332	96.2	77.0	115.6
141	30.2	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





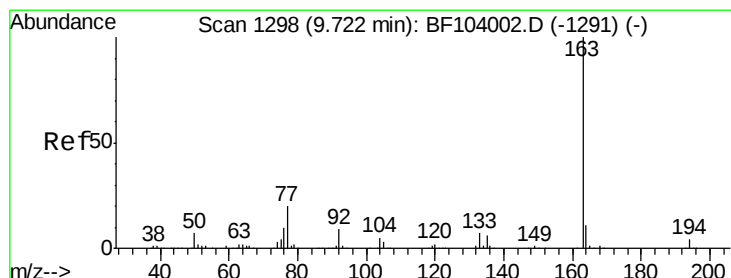
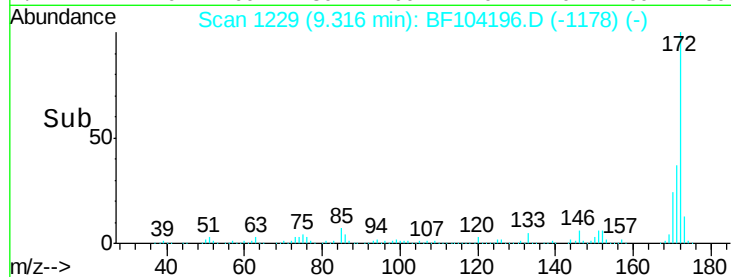
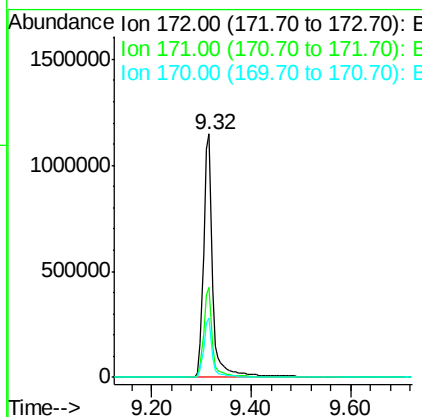
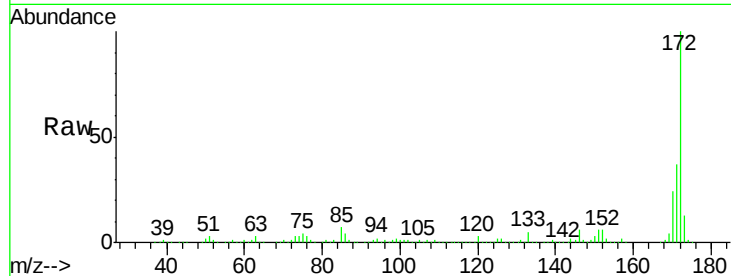
#44
2-Fluorobiphenyl
Concen: 97.950 ng
RT: 9.32 min Scan# 1229
Delta R.T. -0.00 min
Lab File: BF104196.D
Acq: 3 Apr 2018 22:49

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-6-WW(2.5-5)

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.7	44.5
170	24.2	19.6	29.4

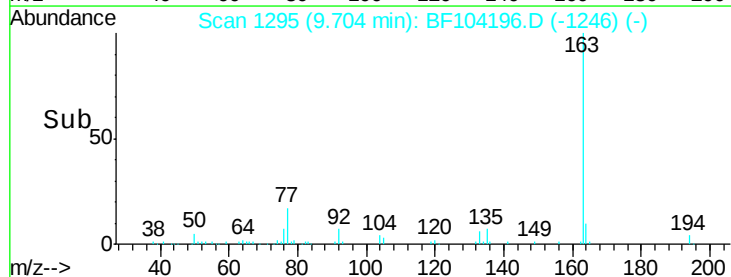
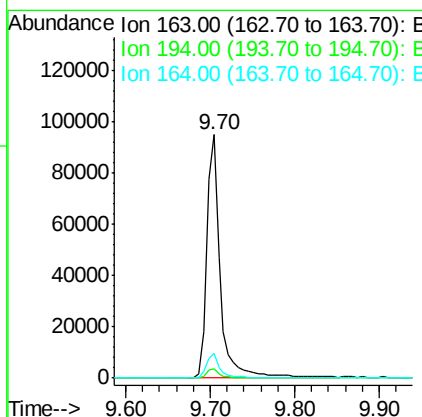
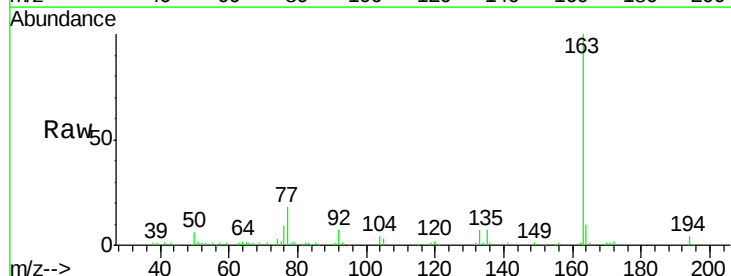
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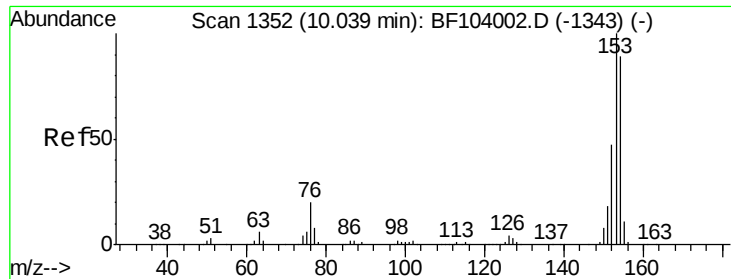
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#49
Dimethylphthalate
Concen: 5.681 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF104196.D
Acq: 3 Apr 2018 22:49

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.7	4.1
164	10.0	8.2	12.2





#51

Acenaphthene

Concen: 2.766 ng

RT: 10.03 min Scan# 1350

Delta R.T. -0.01 min

Lab File: BF104196.D

Acq: 3 Apr 2018 22:49

Instrument :

BNA_F

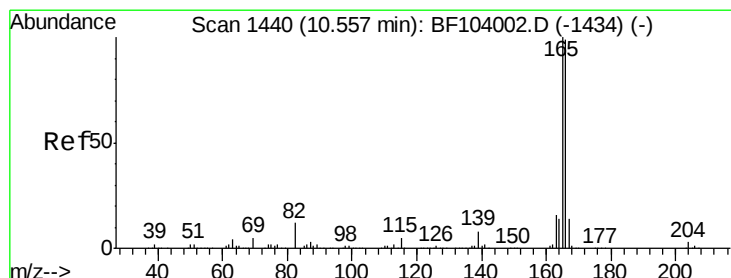
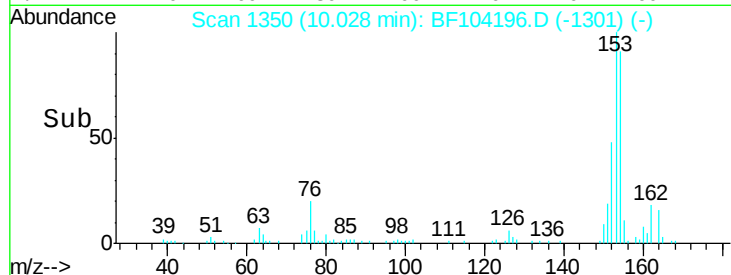
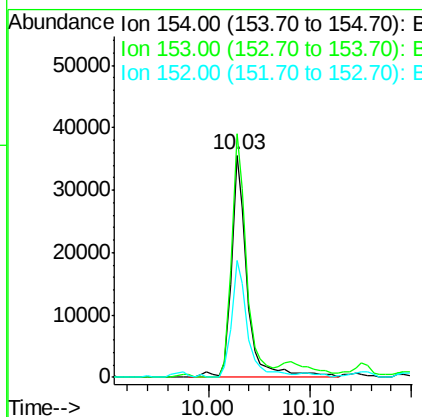
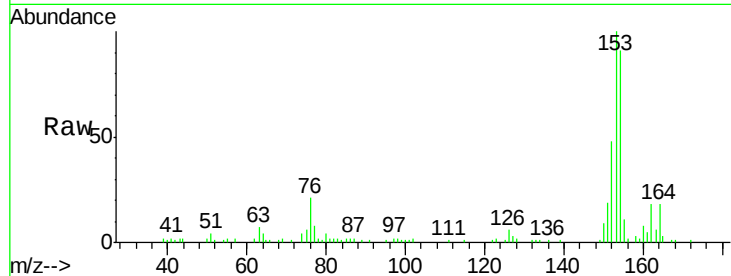
ClientSampleId :

6-WM-DIP-6-WW(2.5-5)

Tot Ion:	154	Resp:	38635
Ion	Ratio	Lower	Upper
154	100		
153	109.5	91.2	136.8
152	52.5	43.8	65.8

Manual Integrations
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#57

Fluorene

Concen: 2.577 ng

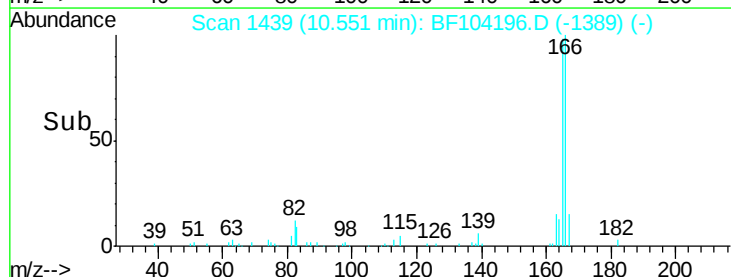
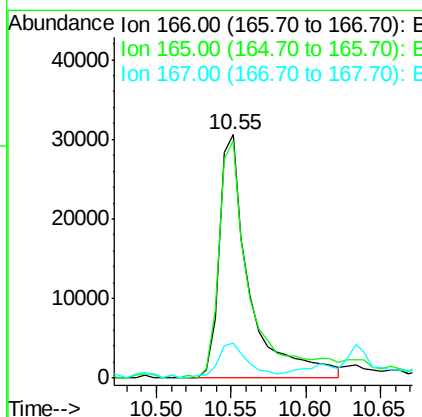
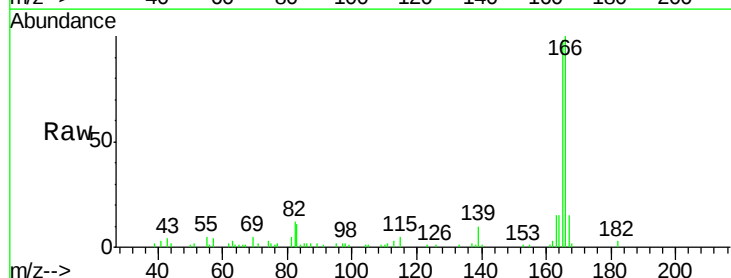
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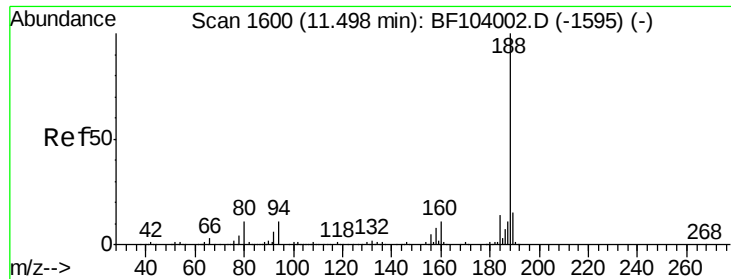
Delta R.T. -0.01 min

Lab File: BF104196.D

Acq: 3 Apr 2018 22:49

Tgt Ion:	166	Resp:	43361
Ion	Ratio	Lower	Upper
166	100		
165	97.6	79.8	119.8
167	14.6	10.6	16.0





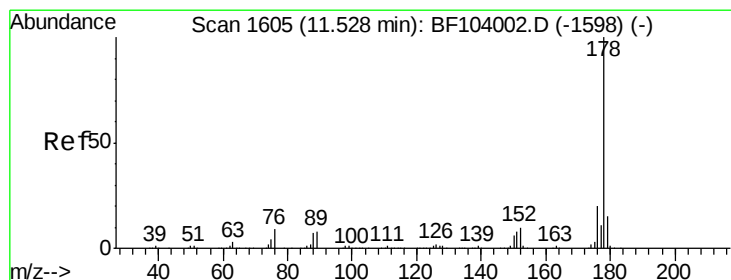
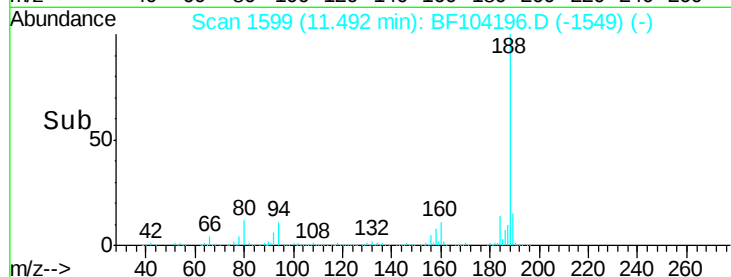
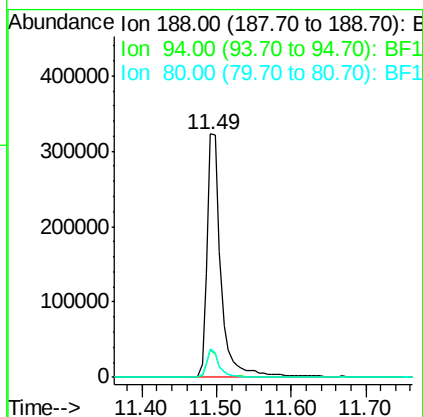
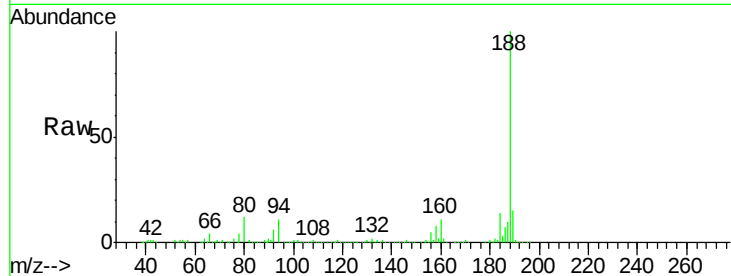
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: BF104196.D
Acq: 3 Apr 2018 22:49

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-6-WW(2.5-5)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	424703		
94	11.1		8.5	12.7
80	11.8		9.2	13.8

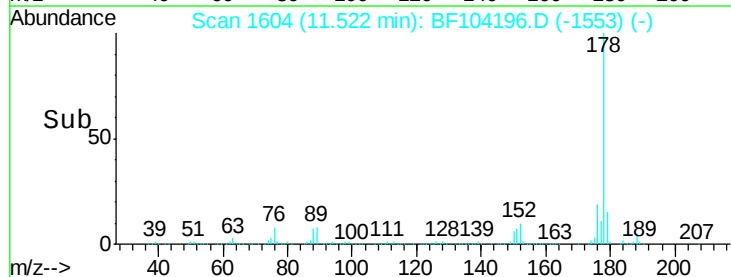
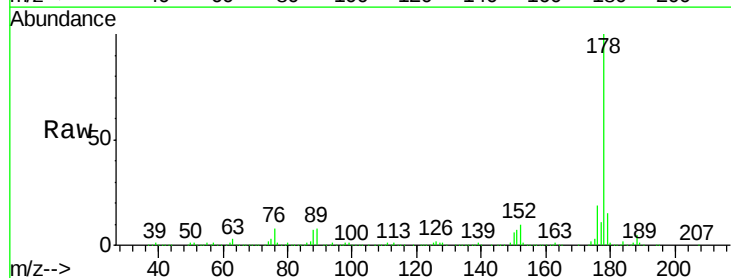
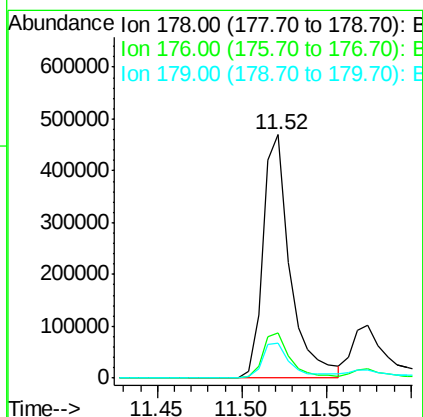
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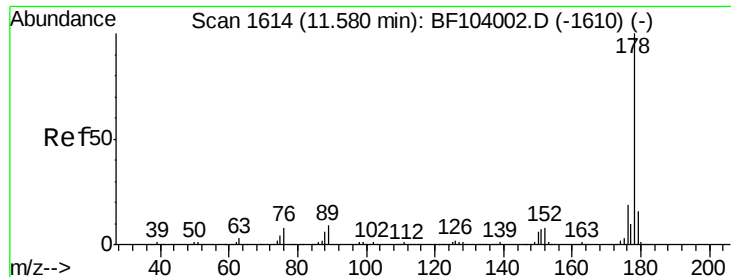
Sohil
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#70
Phenanthrene
Concen: 22.833 ng
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: BF104196.D
Acq: 3 Apr 2018 22:49

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	525020		
176	18.6		15.8	23.8
179	14.6		13.0	19.6





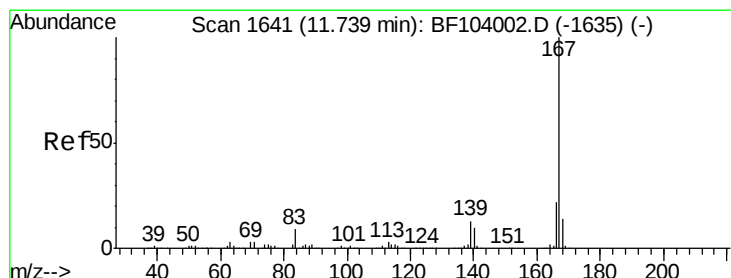
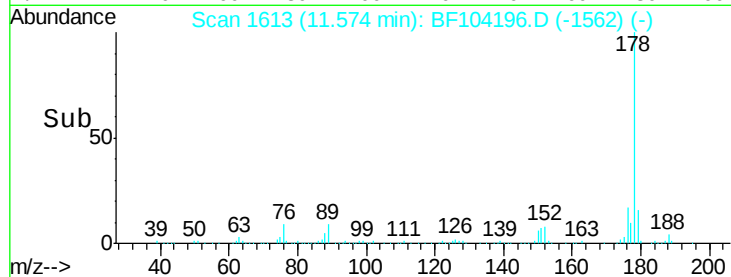
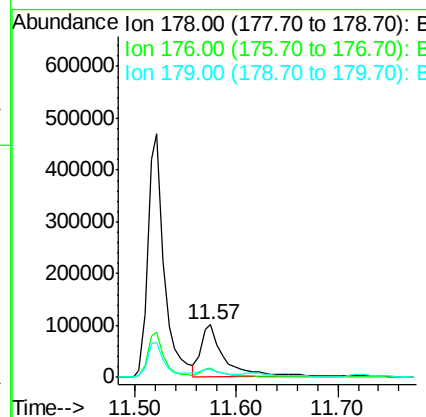
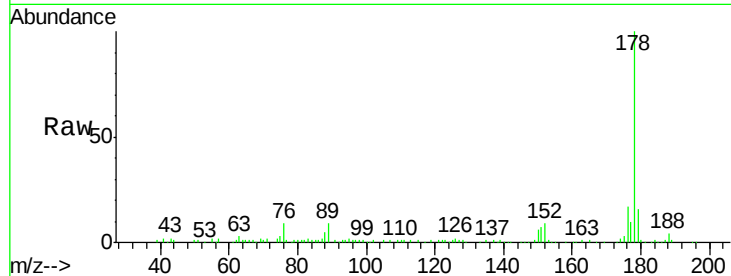
#71
 Anthracene
 Concen: 6.698 ng
 RT: 11.57 min Scan# 1613
 Delta R.T. -0.00 min
 Lab File: BF104196.D
 Acq: 3 Apr 2018 22:49

Instrument :
 BNA_F
 ClientSampleId :
 6-WM-DIP-6-WW(2.5-5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.2	15.4	23.2
179	16.1	12.6	19.0

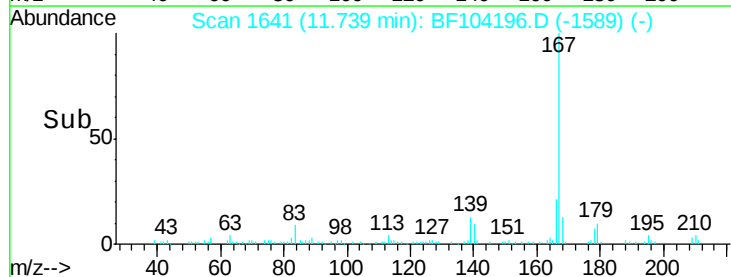
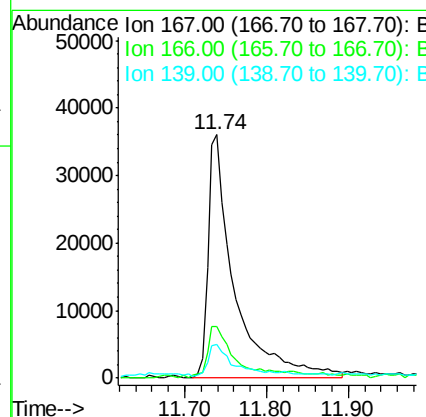
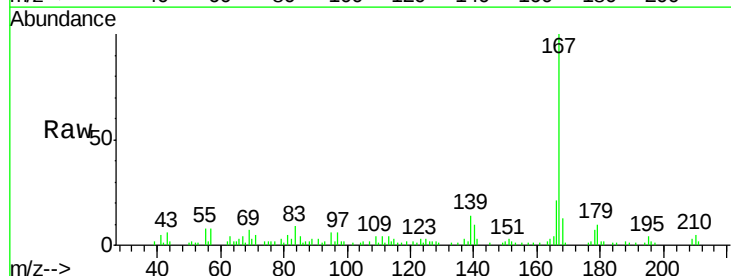
Manual Integrations
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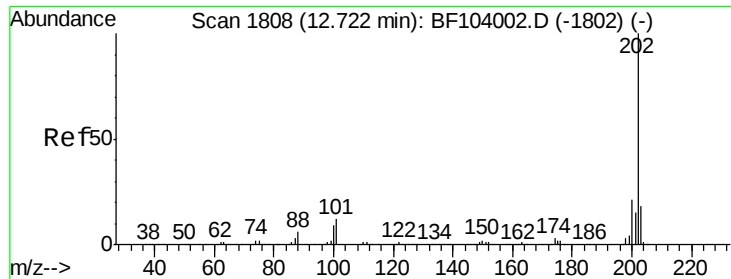
Sohil
 4/4/2018 4:10:02 PM



#72
 Carbazole
 Concen: 3.535 ng
 RT: 11.74 min Scan# 1641
 Delta R.T. 0.01 min
 Lab File: BF104196.D
 Acq: 3 Apr 2018 22:49

Tgt Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.6	26.4
139	13.8	10.9	16.3





#74

Fluoranthene

Concen: 30.334 ng

RT: 12.72 min Scan# 1807

Delta R.T. -0.00 min

Lab File: BF104196.D

Acq: 3 Apr 2018 22:49

Instrument :

BNA_F

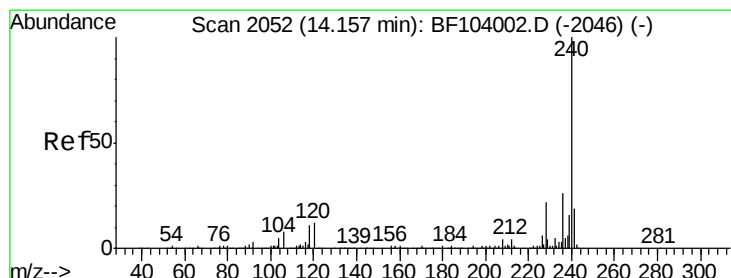
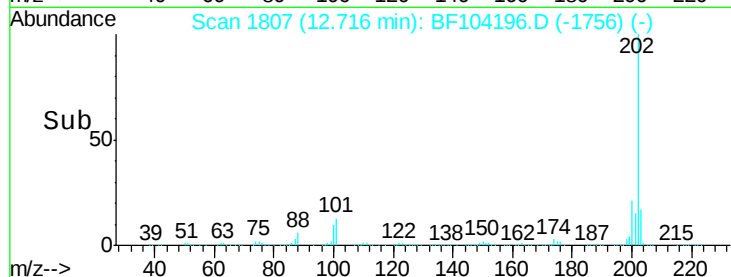
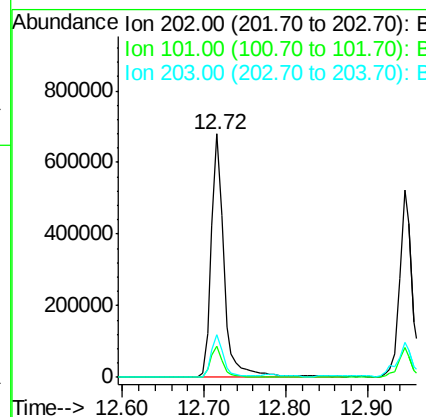
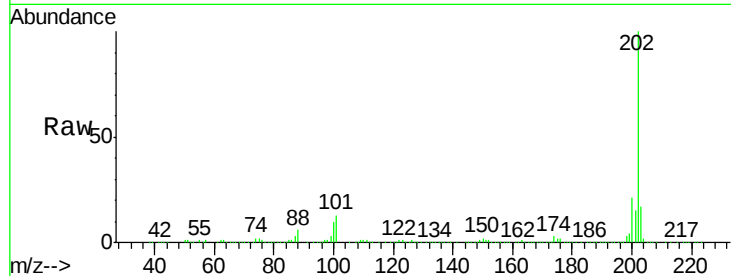
ClientSampleId :

6-WM-DIP-6-WW(2.5-5)

Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		741415		
101	12.8	0.0	34.1		
203	17.5	0.0	38.1		

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#75

Chrysene-d12

Concen: 20.000 ng

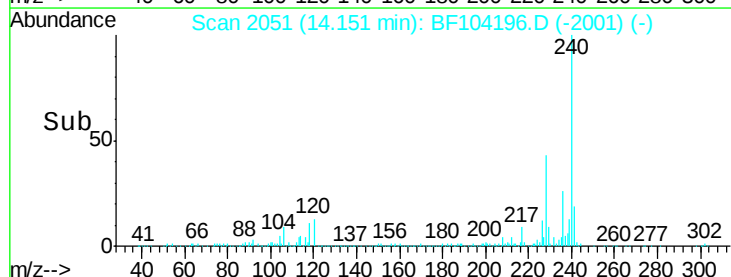
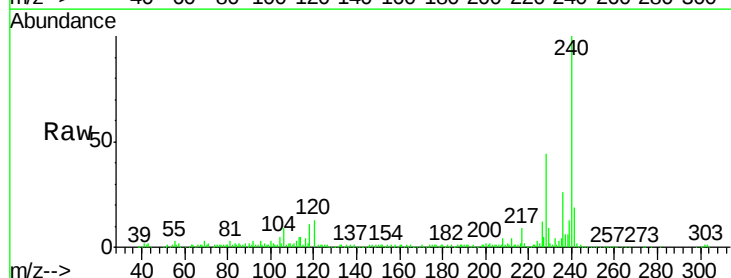
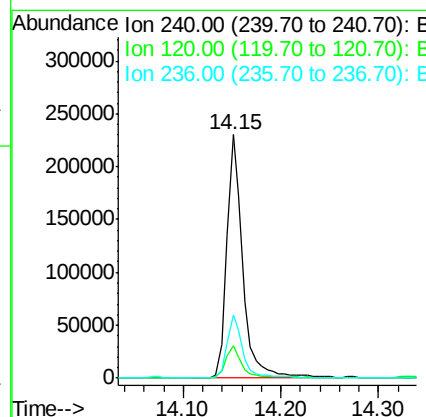
RT: 14.15 min Scan# 2051

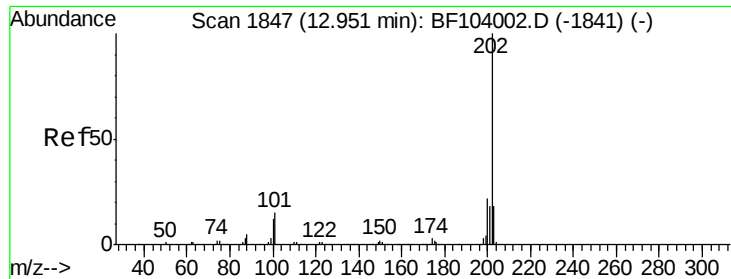
Delta R.T. -0.01 min

Lab File: BF104196.D

Acq: 3 Apr 2018 22:49

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		261965		
120	13.2	9.5	14.3		
236	25.8	20.7	31.1		





#77

Pvrene

Concen: 31.595 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF104196.D

Acq: 3 Apr 2018 22:49

Instrument :

BNA_F

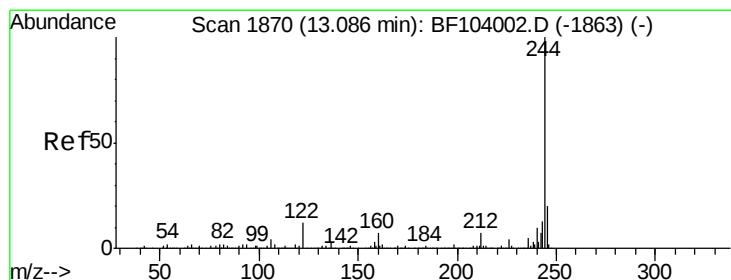
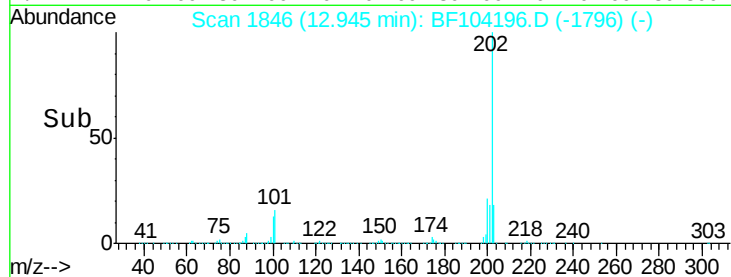
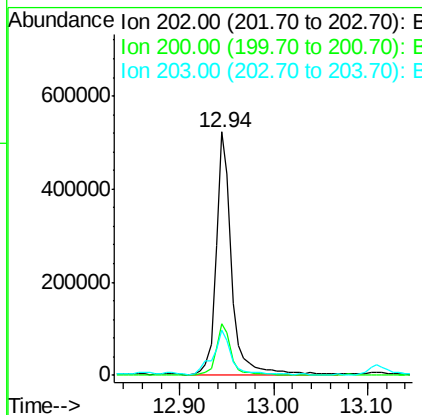
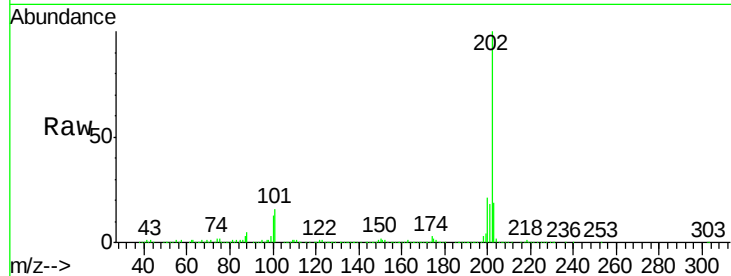
ClientSampleId :

6-WM-DIP-6-WW(2.5-5)

Tot Ion:	202	Resp:	594983
Ion Ratio	Lower	Upper	
202	100		
200	21.3	17.4	26.2
203	18.7	14.3	21.5

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#78

Terphenyl-d14

Concen: 113.156 ng

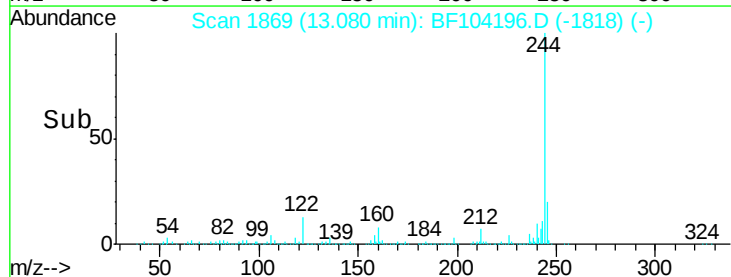
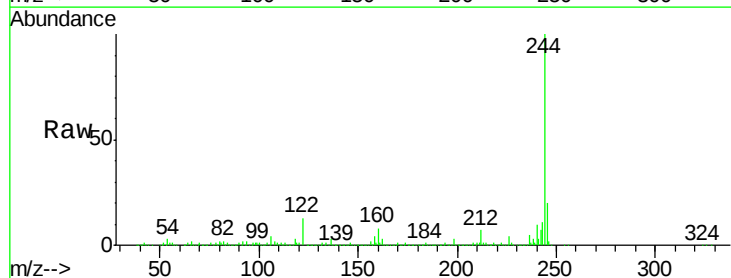
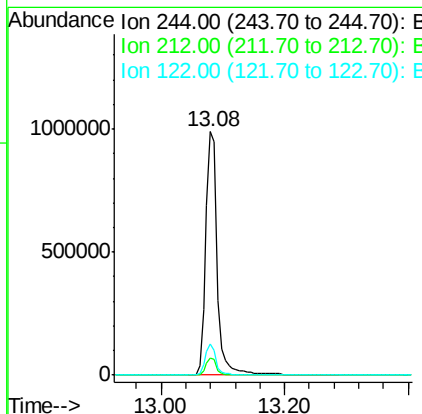
RT: 13.08 min Scan# 1869

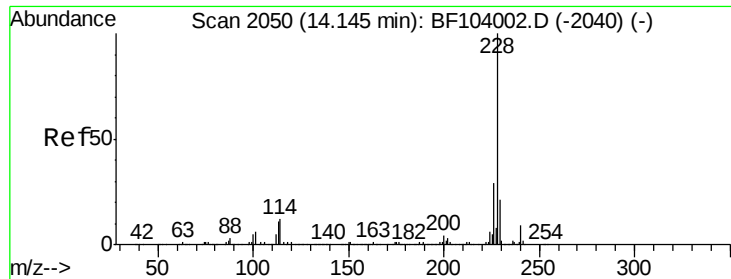
Delta R.T. -0.00 min

Lab File: BF104196.D

Acq: 3 Apr 2018 22:49

Tgt Ion:	244	Resp:	1283821
Ion Ratio	Lower	Upper	
244	100		
212	7.0	5.4	8.0
122	13.0	11.0	16.4





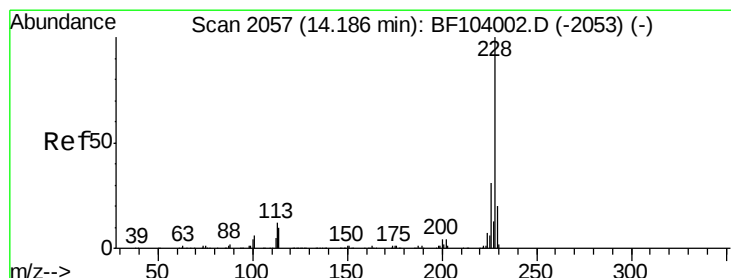
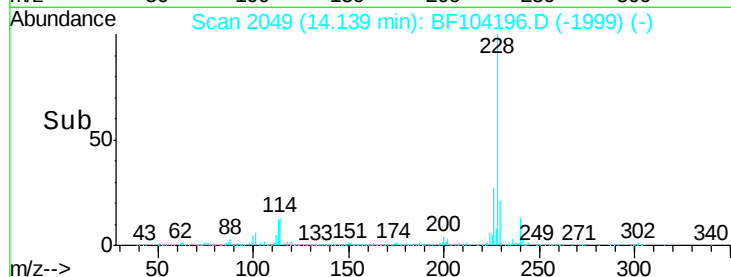
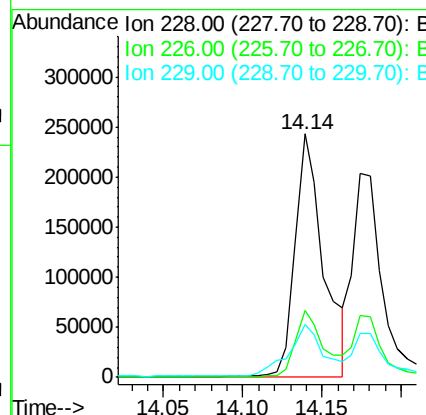
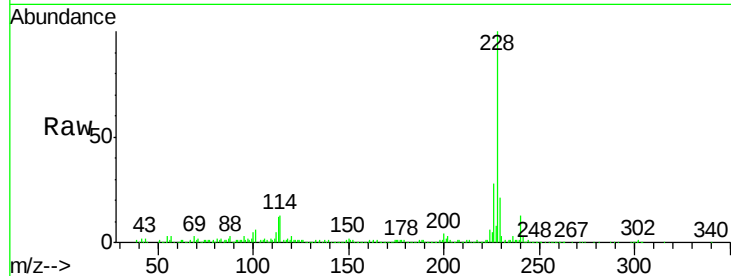
#80
Benzo(a)anthracene
Concen: 18.384 ng
RT: 14.14 min Scan# 2049
Delta R.T. -0.01 min
Lab File: BF104196.D
Acq: 3 Apr 2018 22:49

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-6-WW(2.5-5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.6	33.8
229	21.5	15.8	23.6

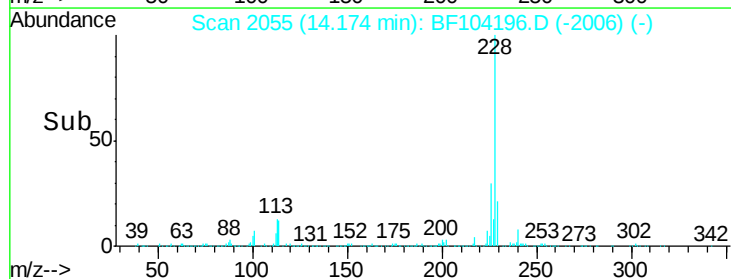
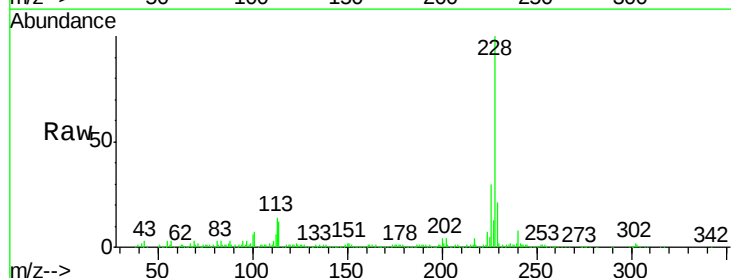
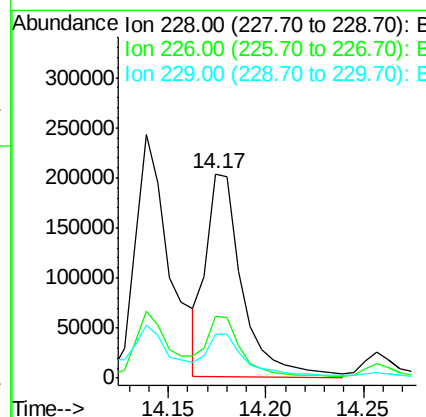
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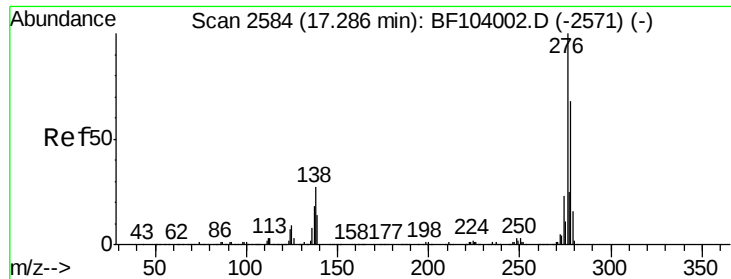
Sohil
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#82
Chrysene
Concen: 16.418 ng
RT: 14.17 min Scan# 2055
Delta R.T. -0.01 min
Lab File: BF104196.D
Acq: 3 Apr 2018 22:49

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.0	25.0	37.6
229	21.5	16.2	24.4





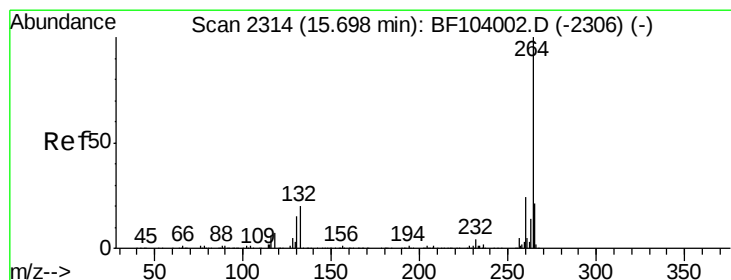
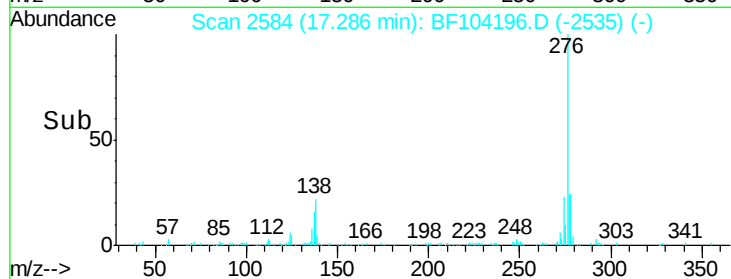
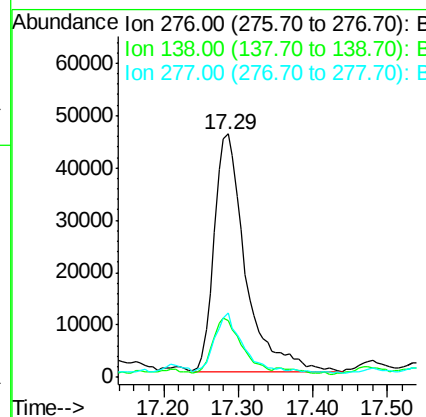
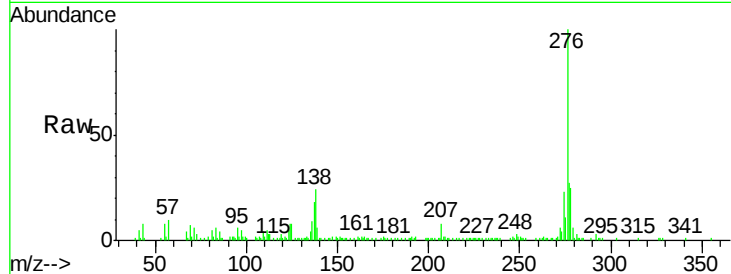
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 7.937 ng
 RT: 17.29 min Scan# 2584
 Delta R.T. -0.01 min
 Lab File: BF104196.D
 Acq: 3 Apr 2018 22:49

Instrument :
 BNA_F
 ClientSampleId :
 6-WM-DIP-6-WW(2.5-5)

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.0	25.0	37.6#
277	22.0	20.1	30.1

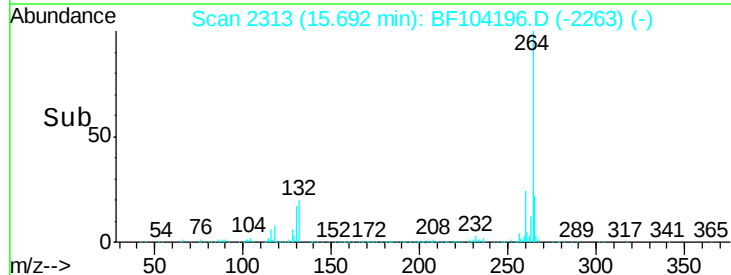
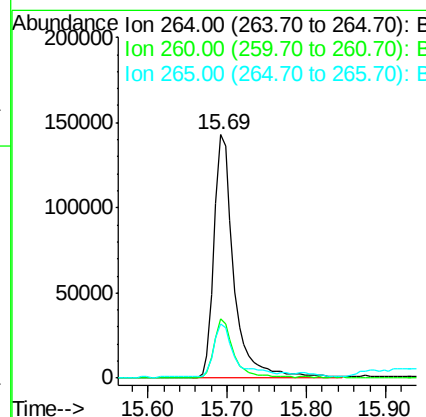
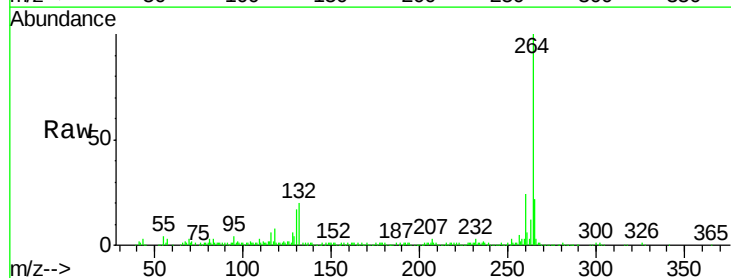
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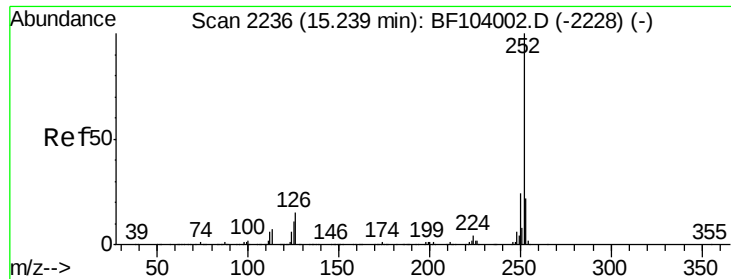
Sohil
 4/4/2018 4:10:02 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2313
 Delta R.T. -0.01 min
 Lab File: BF104196.D
 Acq: 3 Apr 2018 22:49

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.4	19.2	28.8
265	22.2	17.5	26.3





#87

Benzo(b)fluoranthene

Concen: 18.904 ng m

RT: 15.23 min Scan# 2235

Delta R.T. -0.01 min

Lab File: BF104196.D

Acq: 3 Apr 2018 22:49

Instrument :

BNA_F

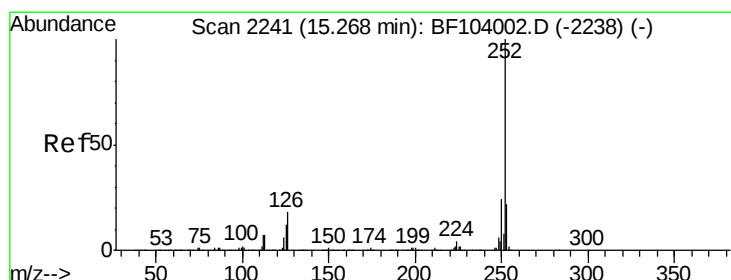
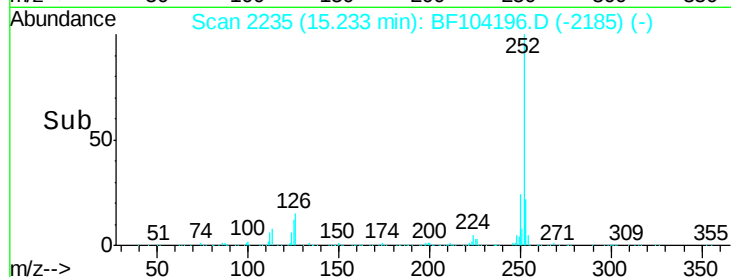
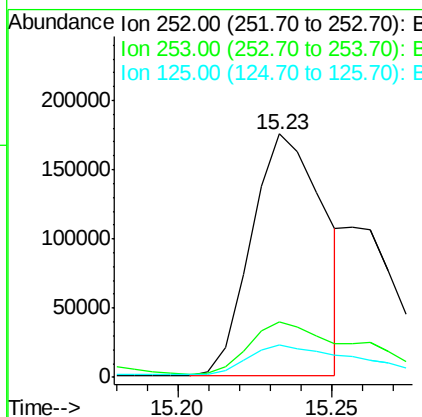
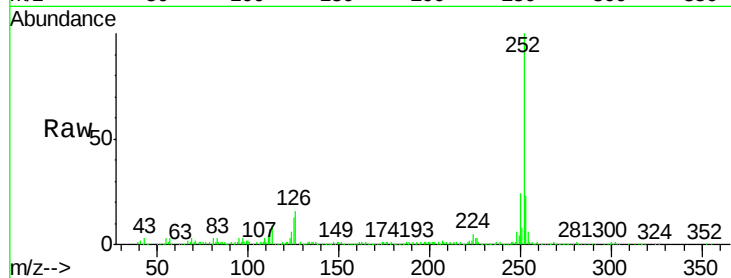
ClientSampleId :

6-WM-DIP-6-WW(2.5-5)

Tot Ion:	252	Resp:	286384
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.0	25.6
125	13.3	9.0	13.6

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#88

Benzo(k)fluoranthene

Concen: 9.868 ng m

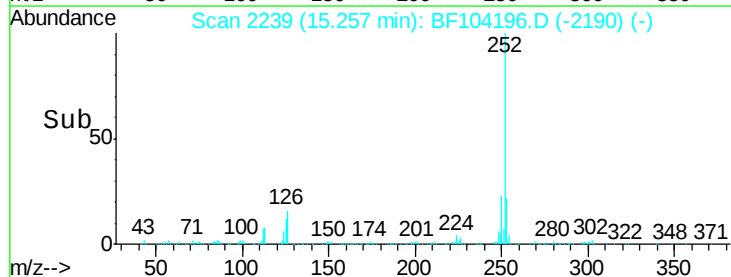
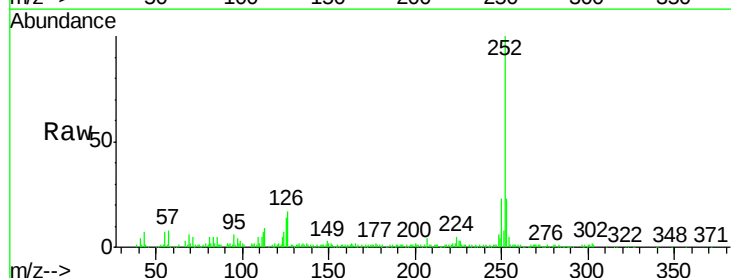
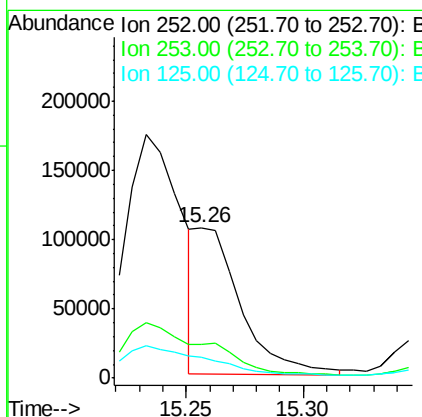
RT: 15.26 min Scan# 2239

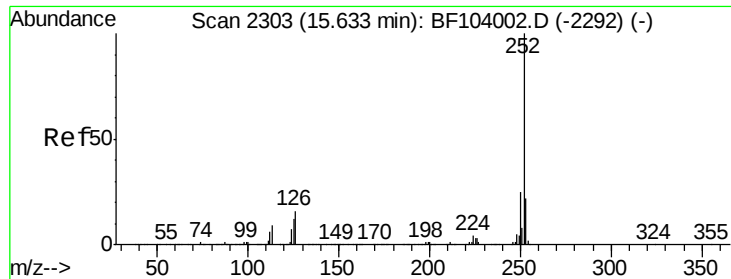
Delta R.T. -0.01 min

Lab File: BF104196.D

Acq: 3 Apr 2018 22:49

Tgt Ion:	252	Resp:	140816
Ion Ratio	Lower	Upper	
252	100		
253	22.8	17.9	26.9
125	13.8	10.2	15.2





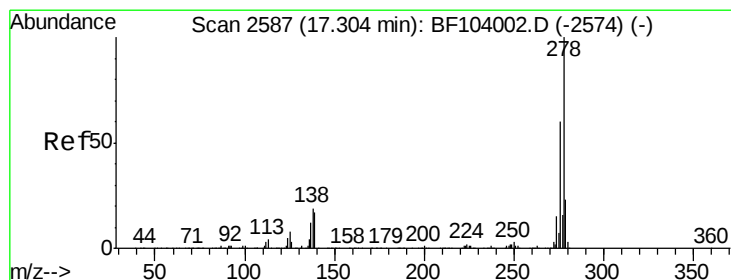
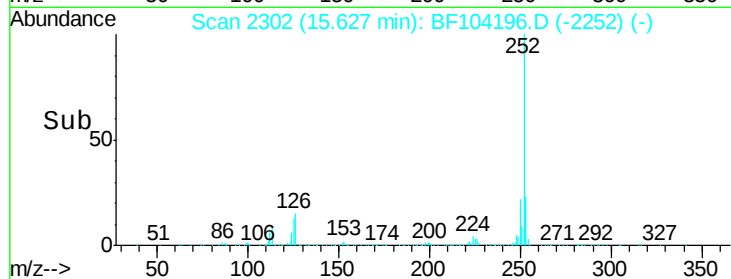
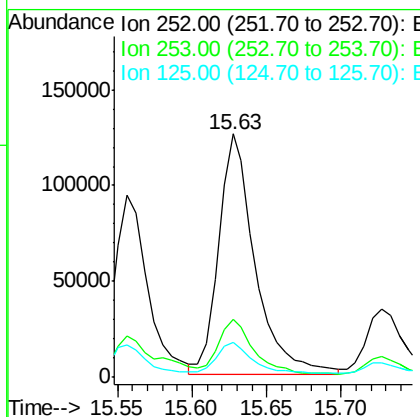
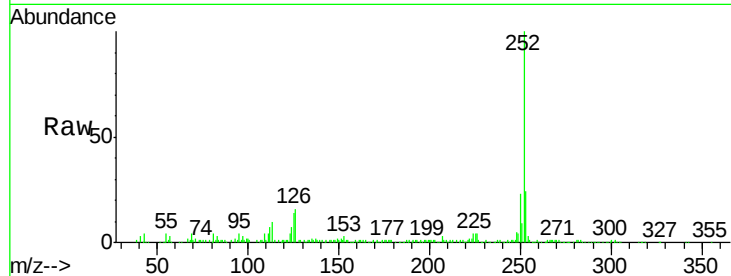
#89
Benzo(a)pyrene
Concen: 15.328 ng
RT: 15.63 min Scan# 2302
Delta R.T. -0.01 min
Lab File: BF104196.D
Acq: 3 Apr 2018 22:49

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-6-WW(2.5-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.1	25.7
125	14.5	9.8	14.6

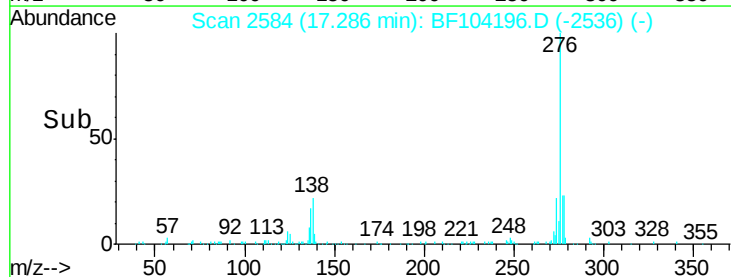
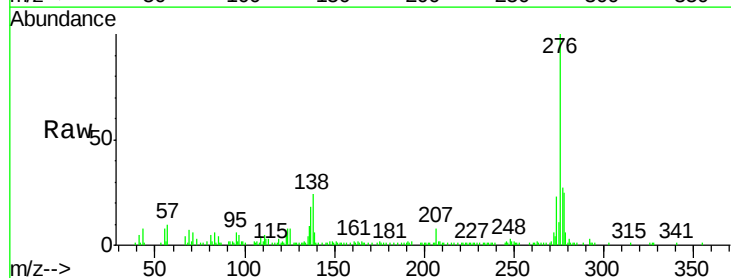
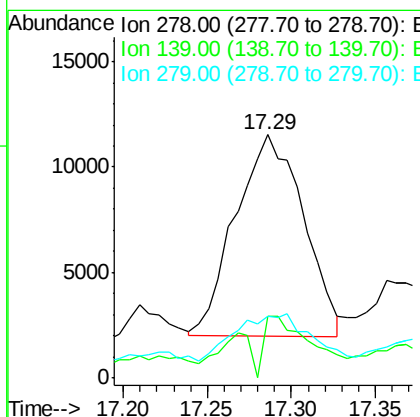
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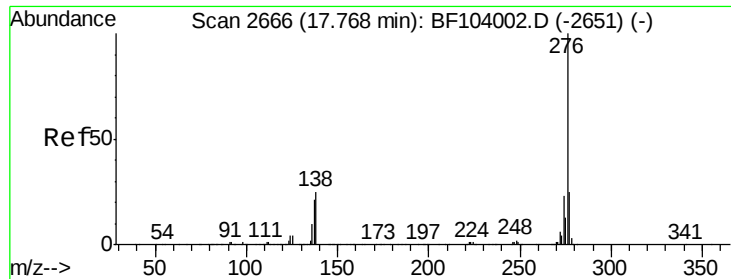
Sohil
4/4/2018 4:10:02 PM



#90
Dibenzo(a,h)anthracene
Concen: 2.073 ng m
RT: 17.29 min Scan# 2584
Delta R.T. -0.02 min
Lab File: BF104196.D
Acq: 3 Apr 2018 22:49

Tgt Ion	Ratio	Lower	Upper
278	100		
139	25.6	15.9	23.9#
279	25.4	19.0	28.4





#91
 Benzo(a,h,i)perylene
 Concen: 8.997 ng
 RT: 17.77 min Scan# 2666
 Delta R.T. -0.01 min
 Lab File: BF104196.D
 Acq: 3 Apr 2018 22:49

Instrument :
 BNA_F
 ClientSampleId :
 6-WM-DIP-6-WW(2.5-5)

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.8	17.9	26.9
138	23.7	21.8	32.8

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