

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
 Data File : BF104195.D
 Acq On : 3 Apr 2018 22:23
 Operator : JU/SJ
 Sample : J2182-11
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 6-WM-DIP-5-WW@3

Manual Integrations
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 4/4/2018 4:09:59 PM

Quant Time: Apr 04 10:35:09 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	108159	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	467763	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	225080	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	403666	20.00	ng	0.00
75) Chrysene-d12	14.15	240	246170	20.00	ng	0.00
86) Perylene-d12	15.69	264	223574	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	727233	107.23	ng	0.00
7) Phenol-d6	6.59	99	972324	116.53	ng	0.00
23) Nitrobenzene-d5	7.52	82	592865	77.51	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	251075	100.18	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	1040960	72.93	ng	0.00
78) Terphenyl-d14	13.08	244	903132	84.71	ng	0.00
Target Compounds						
10) Phenol	6.60	94	44887	4.855	ng	Qvalue # 57
49) Dimethylphthalate	9.70	163	120575	6.785	ng	100
51) Acenaphthene	10.03	154	31587	2.365	ng	94
57) Fluorene	10.55	166	36839	2.290	ng	# 95
70) Phenanthrene	11.52	178	520773	23.829	ng	99
71) Anthracene	11.57	178	172616	7.562	ng	98
72) Carbazole	11.74	167	59411	2.727	ng	95
73) Di-n-butylphthalate	12.03	149	136967	5.278	ng	99
74) Fluoranthene	12.72	202	753125	32.419	ng	98
77) Pyrene	12.94	202	682553	38.571	ng	99
80) Benzo(a)anthracene	14.14	228	326410	21.191	ng	97
82) Chrysene	14.18	228	284620	18.866	ng	98
85) Indeno(1,2,3-cd)pyrene	17.28	276	134641	8.612	ng	# 92
87) Benzo(b)fluoranthene	15.23	252	276111m	20.293	ng	
88) Benzo(k)fluoranthene	15.25	252	135299m	10.556	ng	
89) Benzo(a)pyrene	15.63	252	223478	17.724	ng	96
90) Dibenzo(a,h)anthracene	17.29	278	31398m	2.693	ng	
91) Benzo(g,h,i)perylene	17.77	276	136179	11.662	ng	96

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

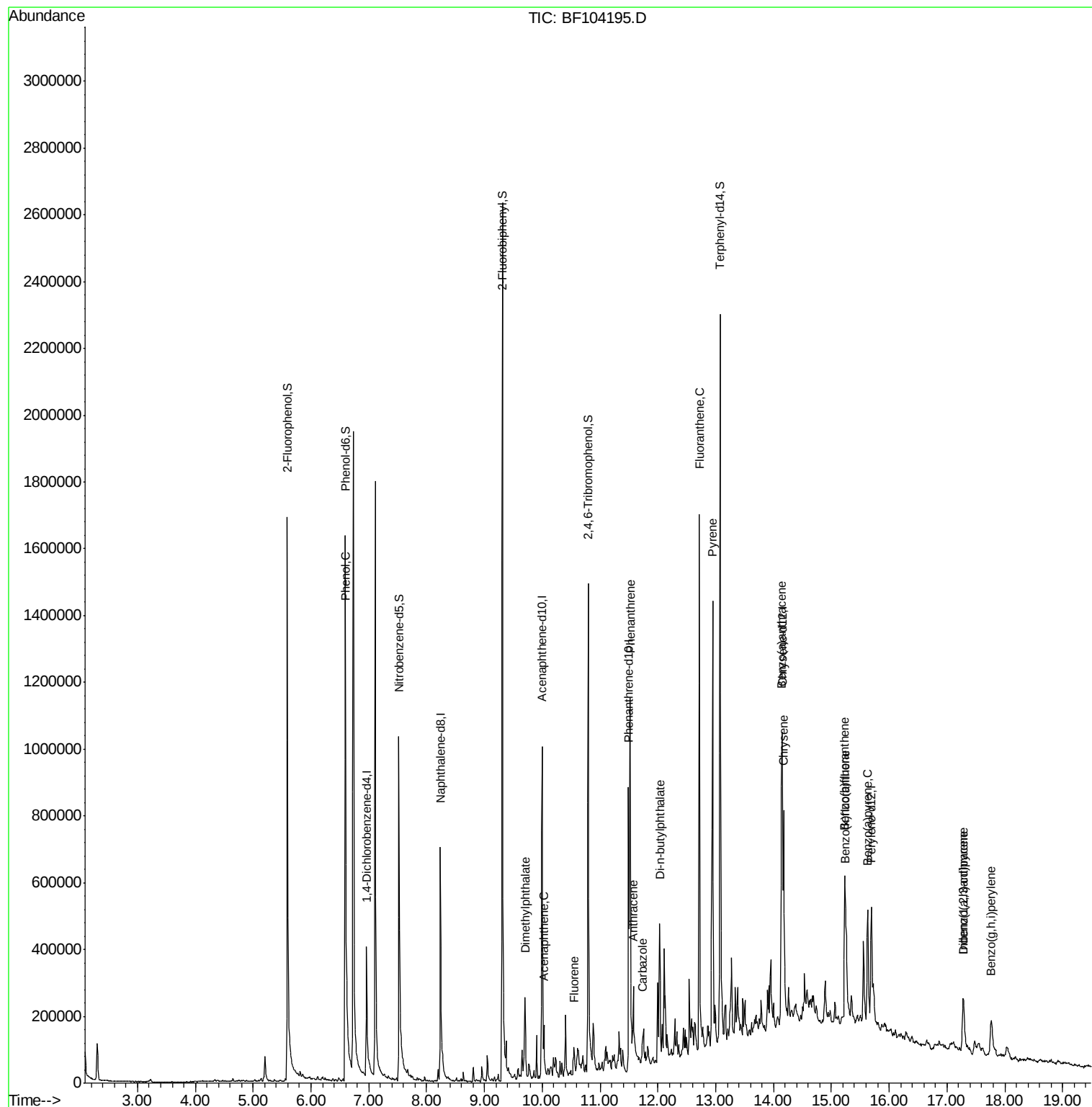
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
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ALS Vial : 12 Sample Multiplier: 1

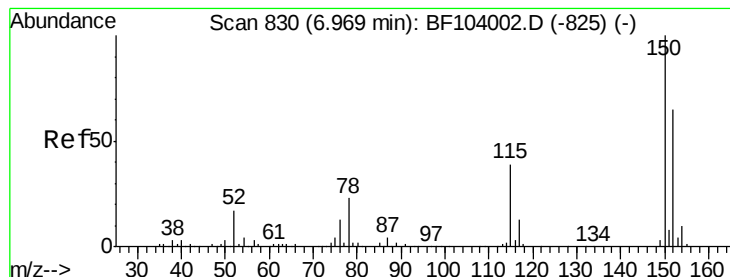
Instrument :
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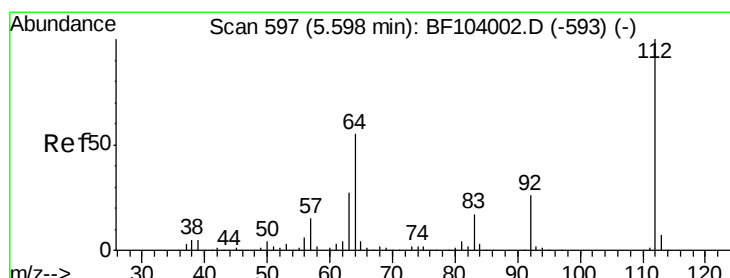
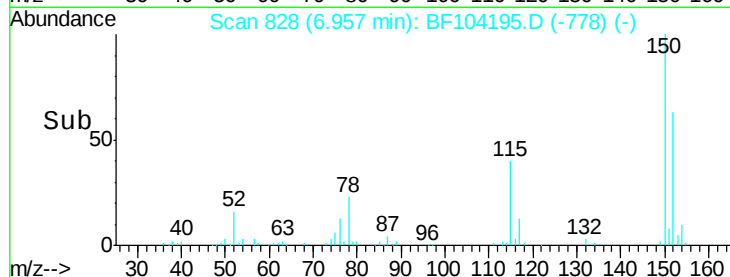
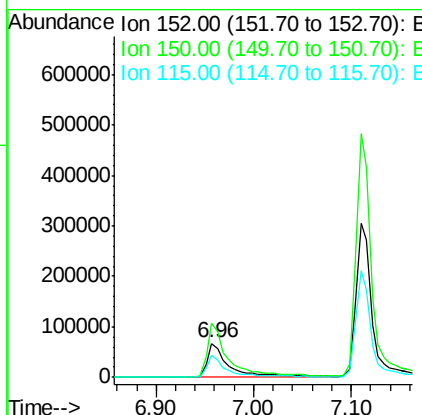
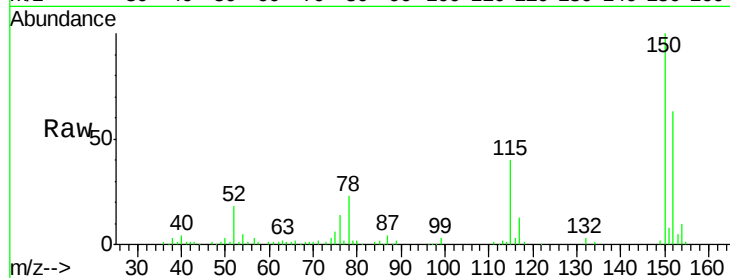
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.96 min Scan# 828
 Delta R.T. -0.01 min
 Lab File: BF104195.D
 Acq: 3 Apr 2018 22:23

Instrument :
 BNA_F
 ClientSampleId :
 6-WM-DIP-5-WW@3

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.7	124.6	186.8
115	64.4	50.1	75.1

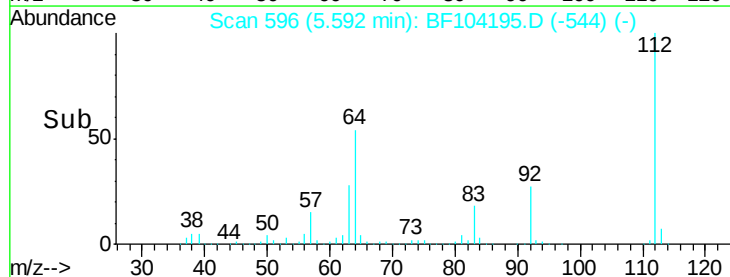
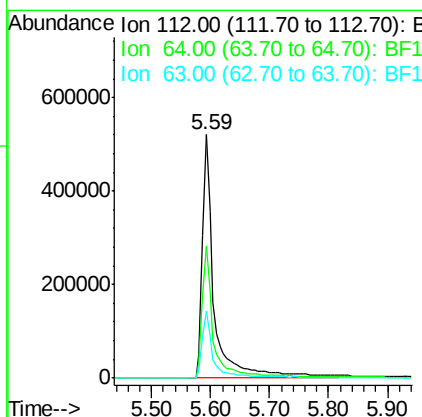
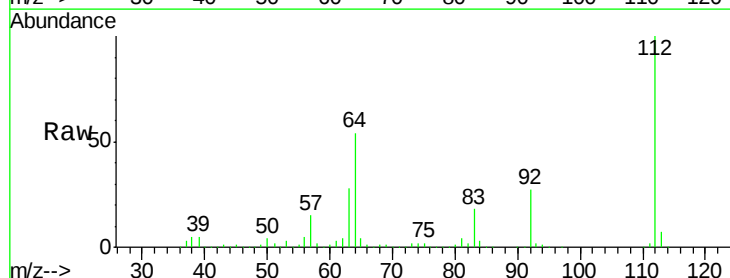
Manual Integrations
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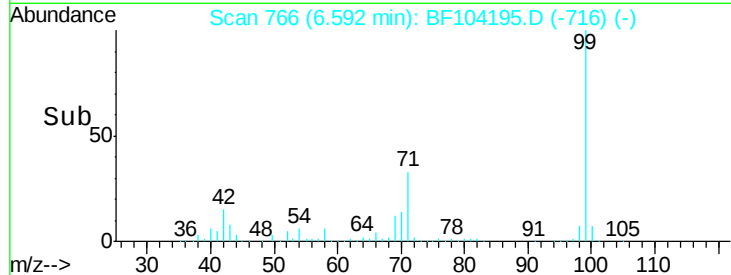
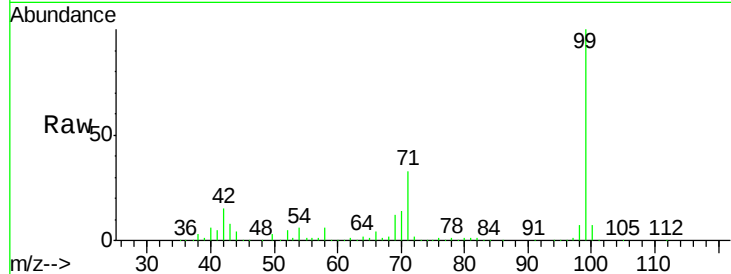
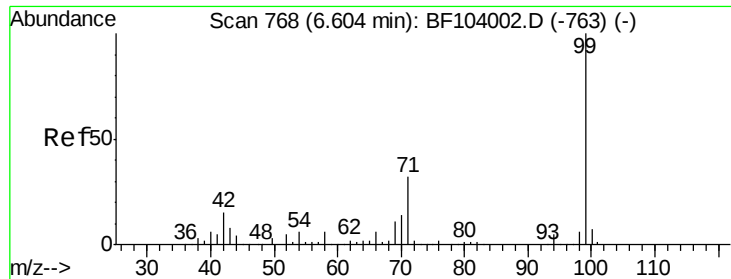
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#5
 2-Fluorophenol
 Concen: 107.227 ng
 RT: 5.59 min Scan# 596
 Delta R.T. 0.01 min
 Lab File: BF104195.D
 Acq: 3 Apr 2018 22:23

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.3	47.9	71.9
63	27.7	23.7	35.5





#7

Phenol-d6

Concen: 116.528 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF104195.D

Acq: 3 Apr 2018 22:23

Tot Ion:	99	Resp:	972324
Ion	Ratio	Lower	Upper
99	100		
42	14.9	14.5	21.7
71	32.8	25.4	38.0

Instrument :

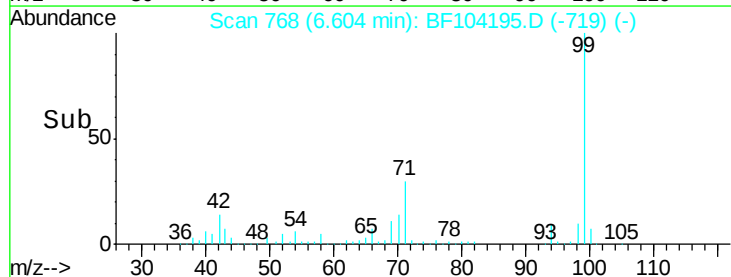
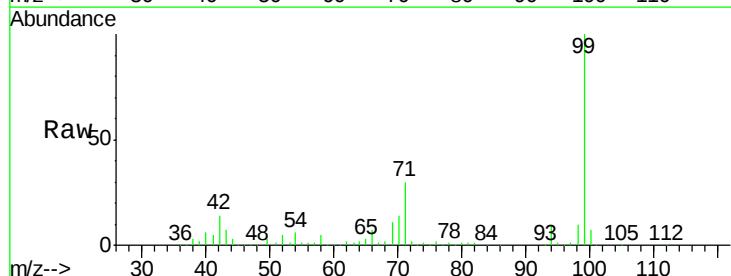
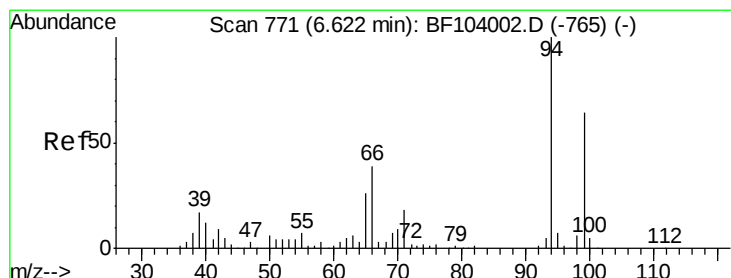
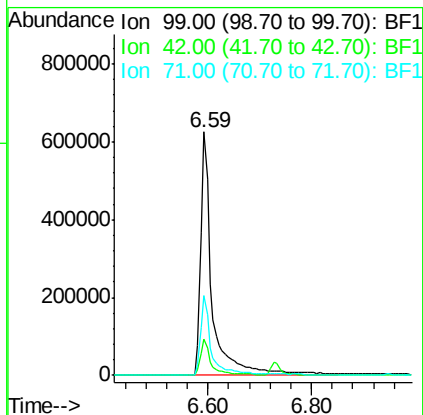
BNA_F

ClientSampleId :

6-WM-DIP-5-WW@3

Manual Integrations
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#10

Phenol

Concen: 4.855 ng

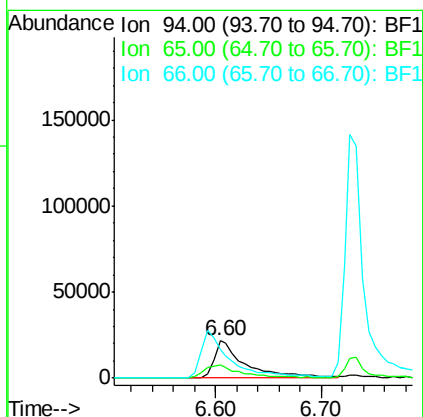
RT: 6.60 min Scan# 768

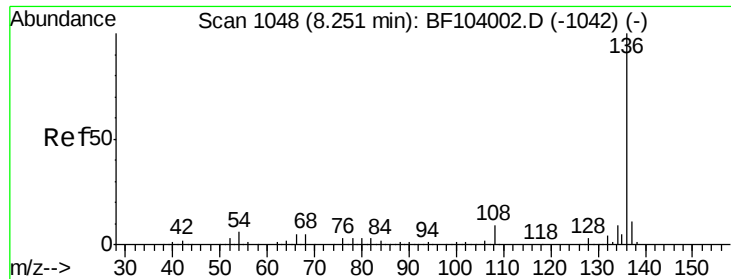
Delta R.T. -0.01 min

Lab File: BF104195.D

Acq: 3 Apr 2018 22:23

Tgt Ion:	94	Resp:	44887
Ion	Ratio	Lower	Upper
94	100		
65	34.4	7.9	47.9
66	75.9	16.2	56.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1046

Delta R.T. -0.01 min

Lab File: BF104195.D

Acq: 3 Apr 2018 22:23

Instrument :

BNA_F

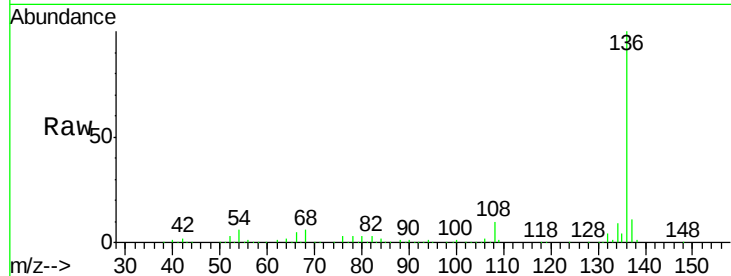
ClientSampleId :

6-WM-DIP-5-WW@3

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

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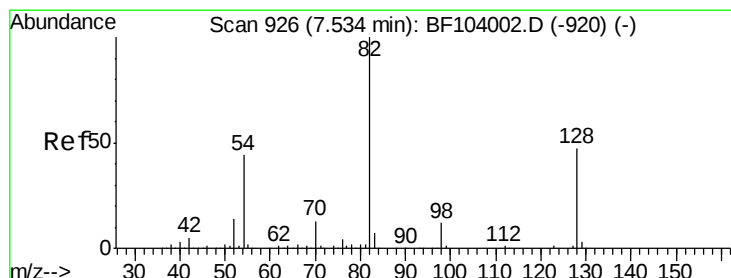
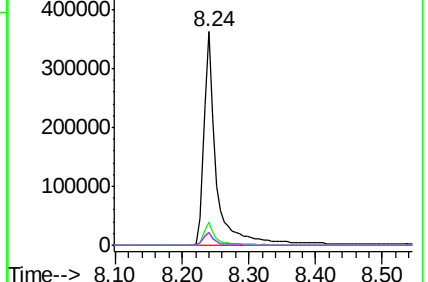
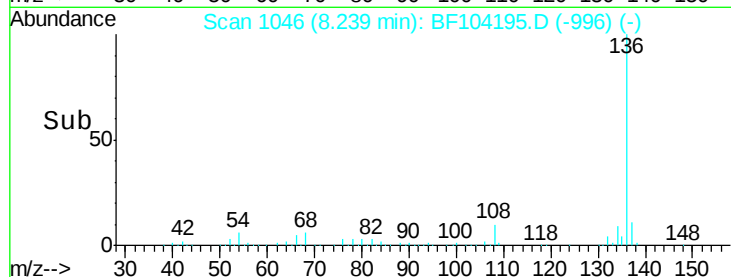


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 77.511 ng

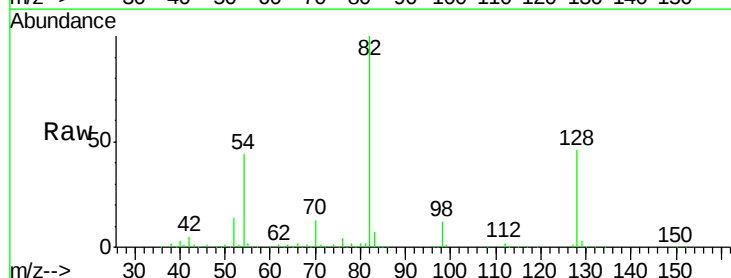
RT: 7.52 min Scan# 924

Delta R.T. -0.01 min

Lab File: BF104195.D

Acq: 3 Apr 2018 22:23

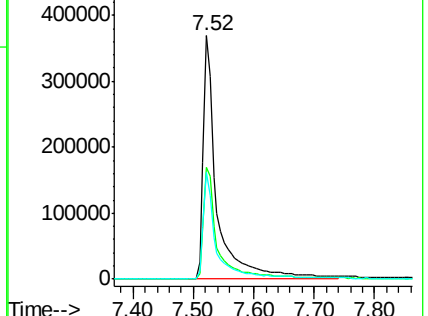
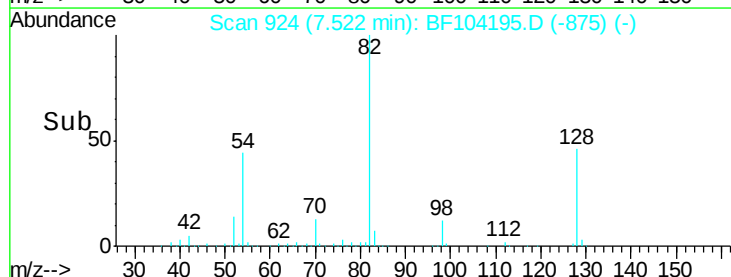
Tgt Ion	Ratio	Lower	Upper
82	100		
128	45.9	36.1	54.1
54	43.7	41.4	62.2

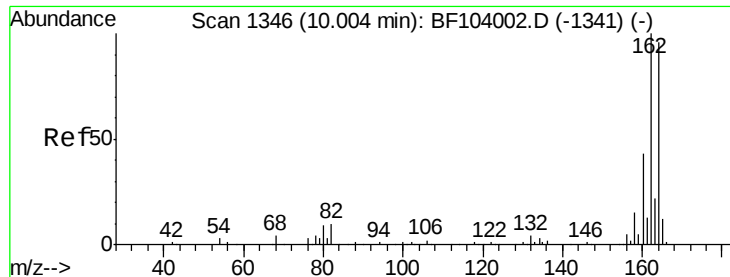


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





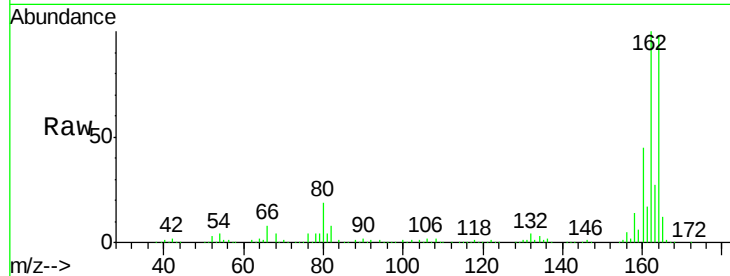
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1345
Delta R.T. -0.01 min
Lab File: BF104195.D
Acq: 3 Apr 2018 22:23

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-5-WW@3

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	102.3	86.1	129.1	
160	45.5	38.3	57.5	

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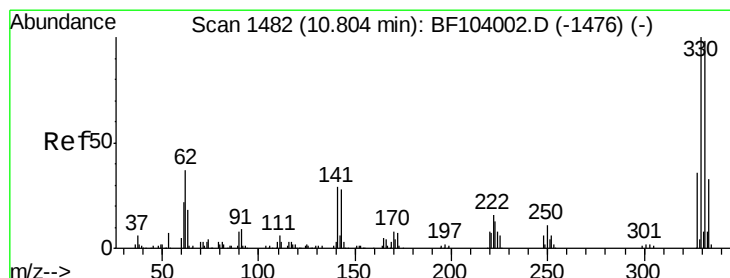
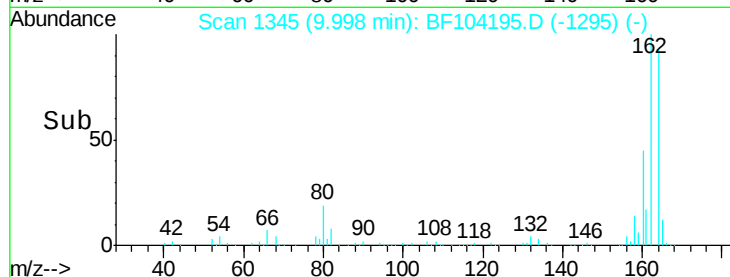
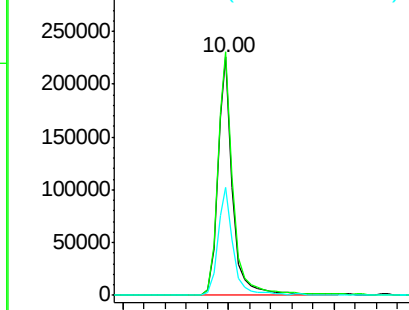


Abundance

Ion 164.00 (163.70 to 164.70): E

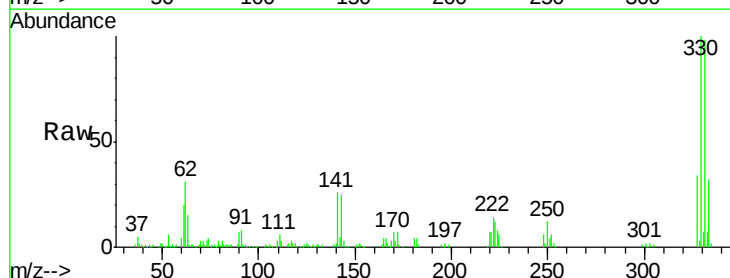
Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41
2,4,6-Tribromophenol
Concen: 100.179 ng
RT: 10.80 min Scan# 1481
Delta R.T. -0.00 min
Lab File: BF104195.D
Acq: 3 Apr 2018 22:23

Tgt Ion	Ratio	Resp	Lower	Upper
330	100			
332	98.1	77.0	115.6	
141	31.2	29.9	44.9	

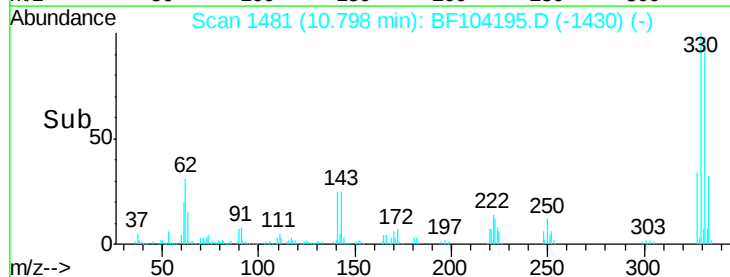
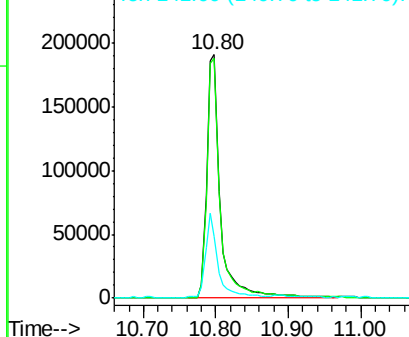


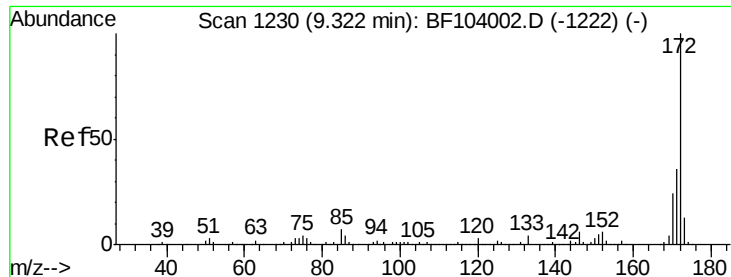
Abundance

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





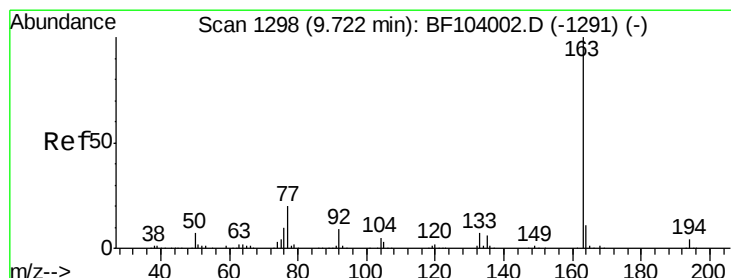
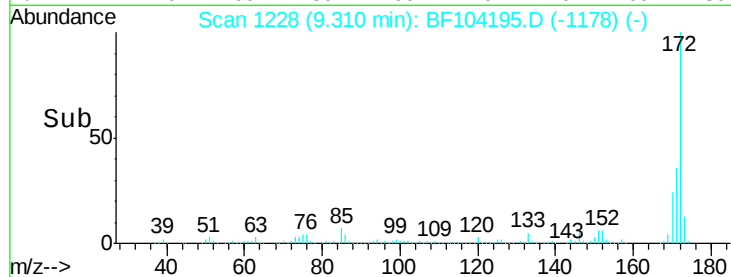
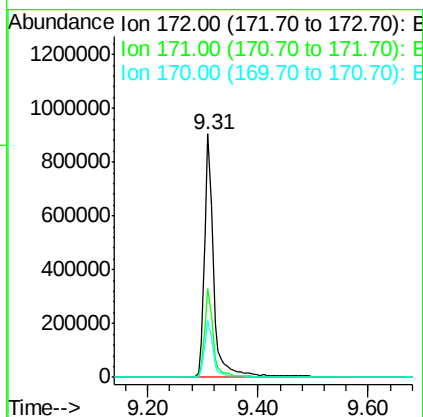
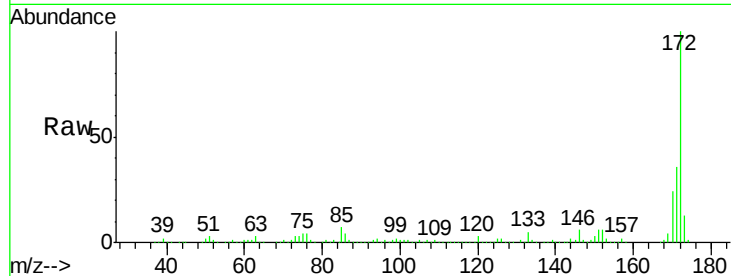
#44
2-Fluorobiphenyl
Concen: 72.930 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BF104195.D
Acq: 3 Apr 2018 22:23

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-5-WW@3

Tot Ion	Ion	Ratio	Lower	Upper
172	100			
171	36.4	29.7	44.5	
170	23.6	19.6	29.4	

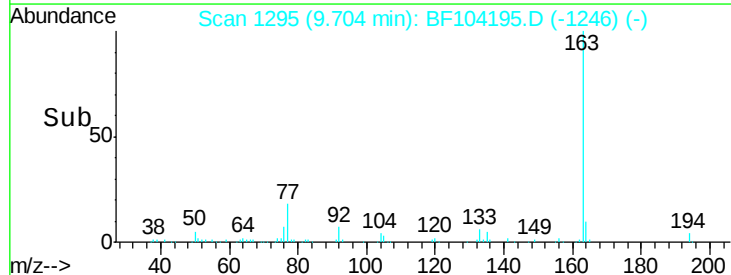
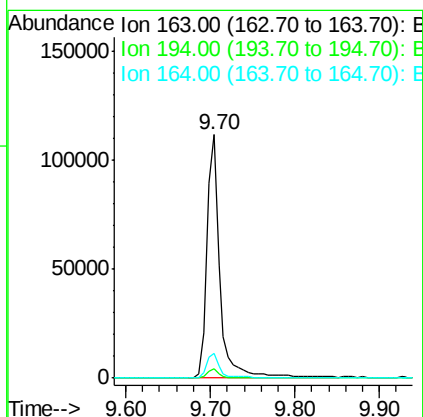
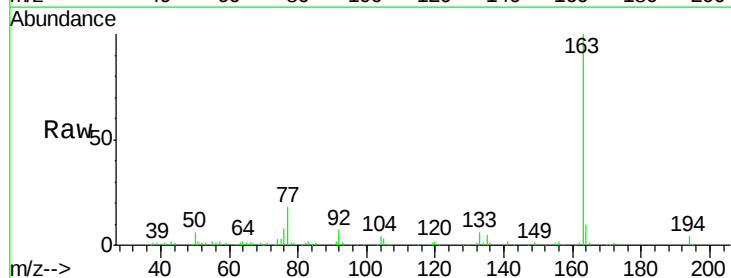
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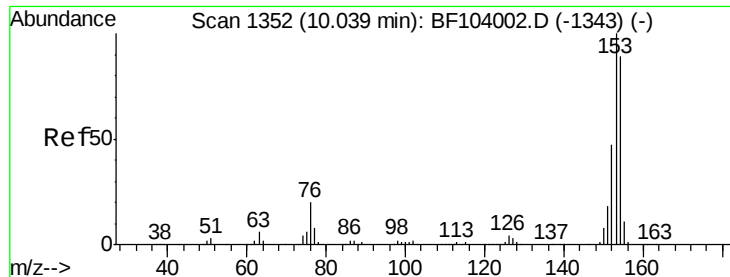
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#49
Dimethylphthalate
Concen: 6.785 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF104195.D
Acq: 3 Apr 2018 22:23

Tgt Ion	Ion	Ratio	Lower	Upper
163	100			
194	3.6	2.7	4.1	
164	10.1	8.2	12.2	





#51

Acenaphthene

Concen: 2.365 ng

RT: 10.03 min Scan# 1350

Delta R.T. -0.01 min

Lab File: BF104195.D

Acq: 3 Apr 2018 22:23

Instrument :

BNA_F

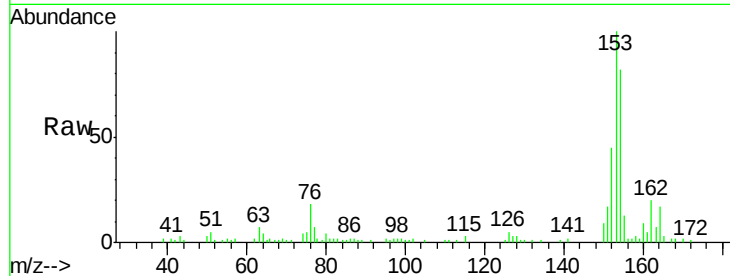
ClientSampleId :

6-WM-DIP-5-WW@3

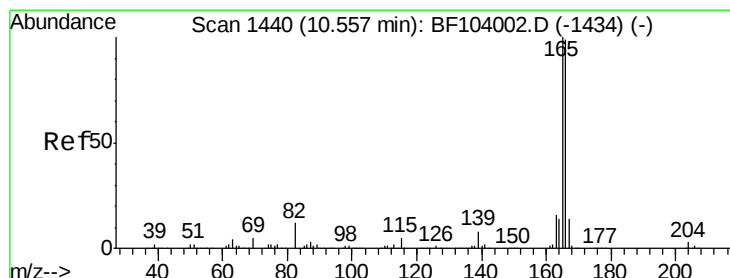
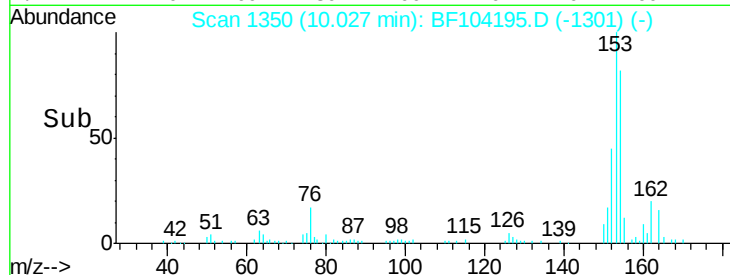
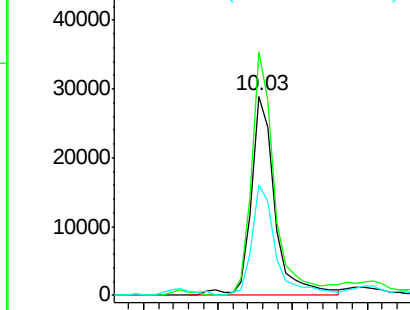
Tot Ion:	154	Resp:	31587
Ion Ratio	Lower	Upper	
154	100		
153	122.5	91.2	136.8
152	55.6	43.8	65.8

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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



#57

Fluorene

Concen: 2.290 ng

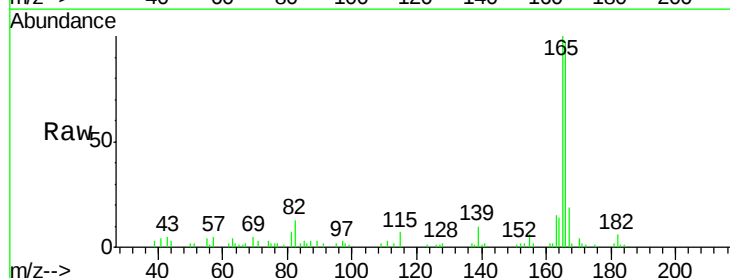
RT: 10.55 min Scan# 1439

Delta R.T. -0.01 min

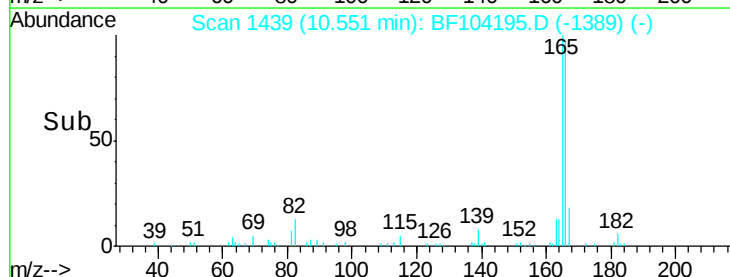
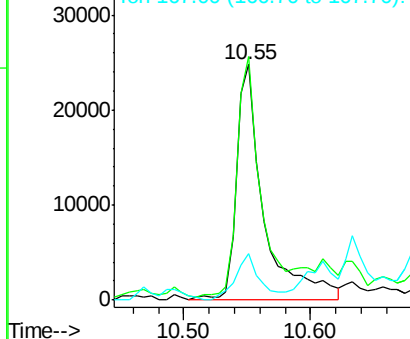
Lab File: BF104195.D

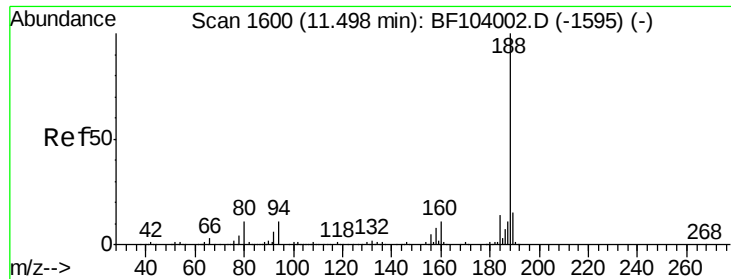
Acq: 3 Apr 2018 22:23

Tgt Ion:	166	Resp:	36839
Ion Ratio	Lower	Upper	
166	100		
165	103.3	79.8	119.8
167	20.0	10.6	16.0#



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





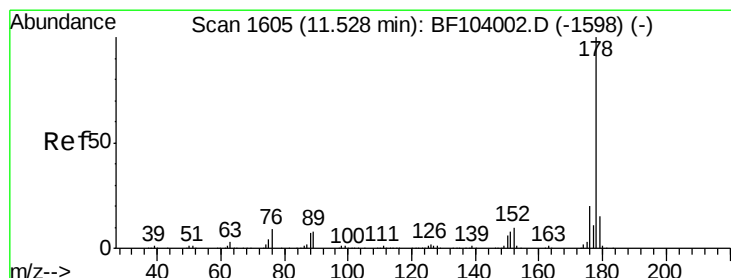
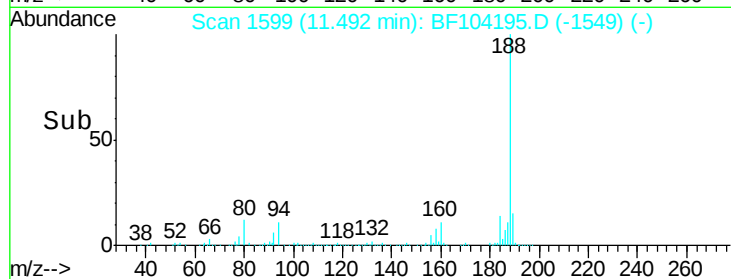
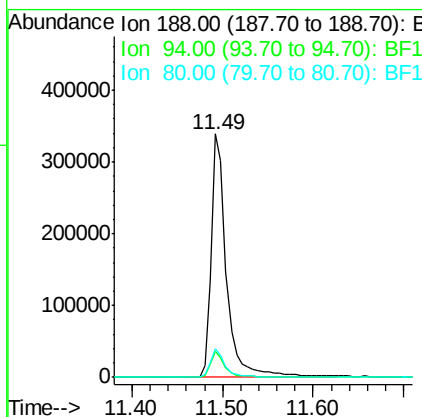
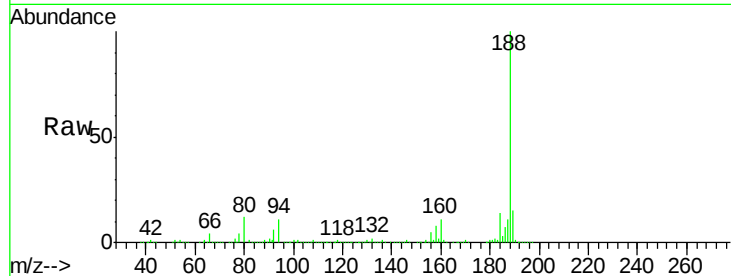
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: BF104195.D
Acq: 3 Apr 2018 22:23

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-5-WW@3

Tot Ion	Ratio	Resp	Lower	Upper
188	100	403666		
94	10.6		8.5	12.7
80	11.6		9.2	13.8

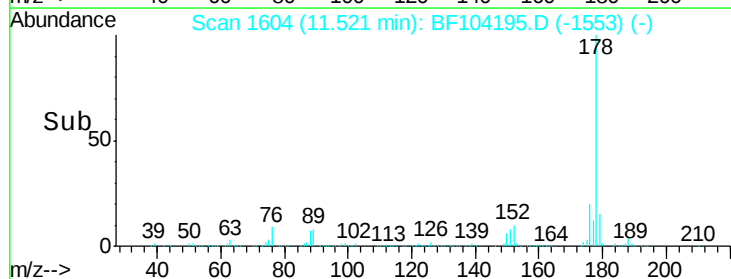
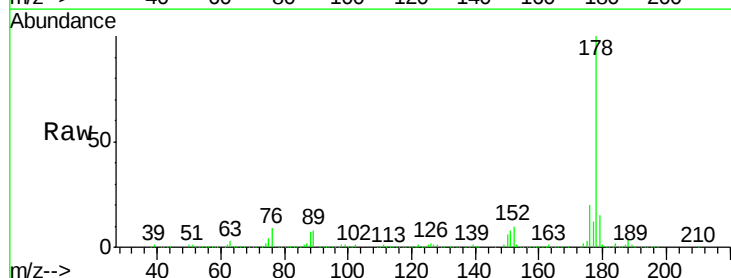
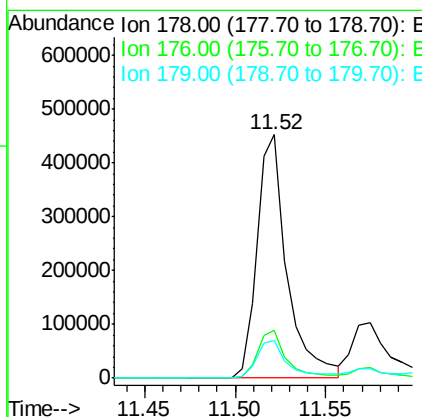
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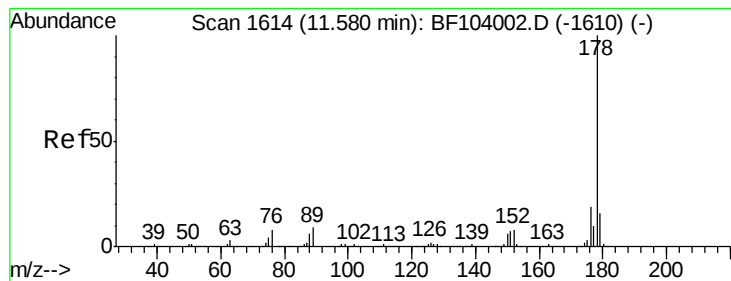
Sohil
4/4/2018 4:09:59 PM



#70
Phenanthrene
Concen: 23.829 ng
RT: 11.52 min Scan# 1604
Delta R.T. -0.00 min
Lab File: BF104195.D
Acq: 3 Apr 2018 22:23

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	520773		
176	19.6		15.8	23.8
179	15.5		13.0	19.6





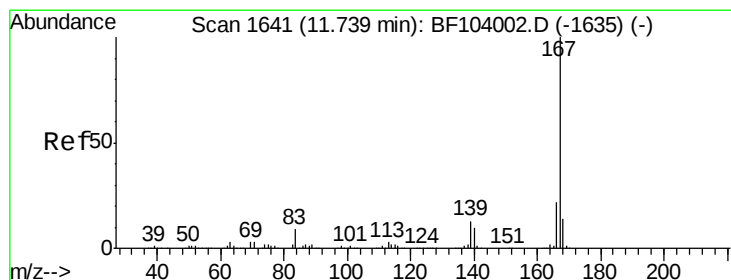
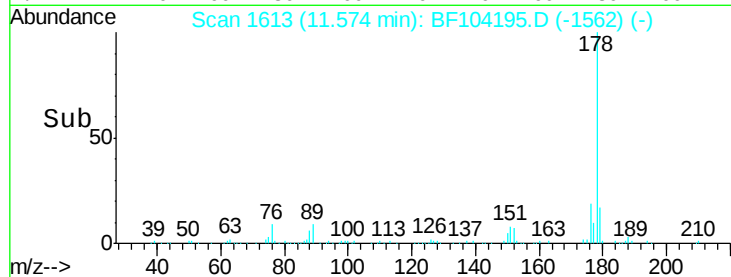
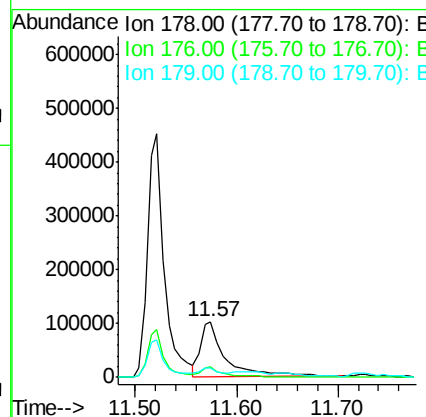
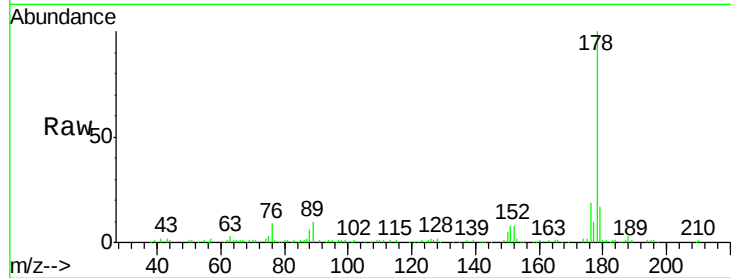
#71
 Anthracene
 Concen: 7.562 ng
 RT: 11.57 min Scan# 1613
 Delta R.T. -0.00 min
 Lab File: BF104195.D
 Acq: 3 Apr 2018 22:23

Instrument :
 BNA_F
 ClientSampleId :
 6-WM-DIP-5-WW@3

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.4	23.2
179	17.0	12.6	19.0

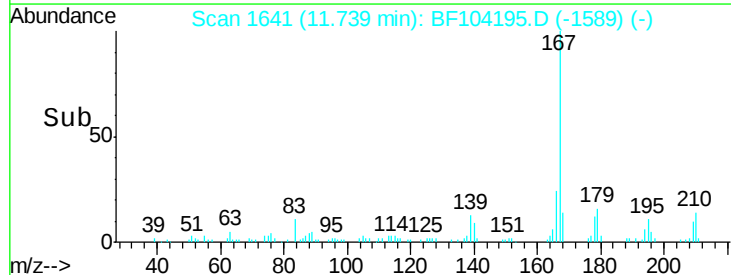
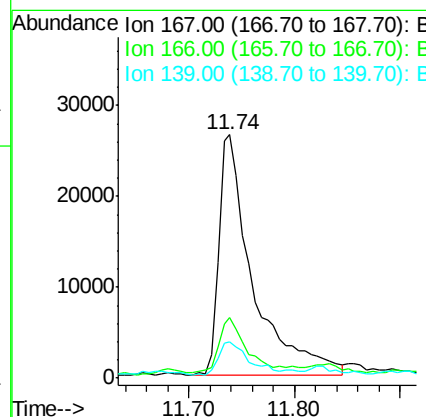
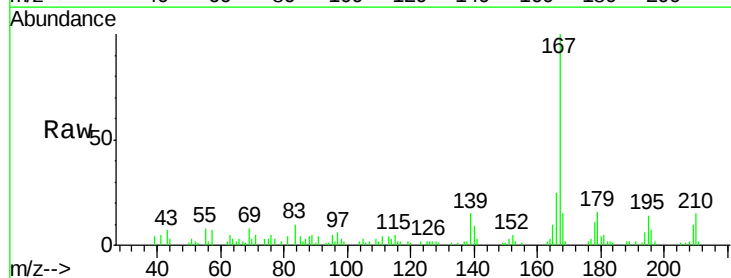
Manual Integrations
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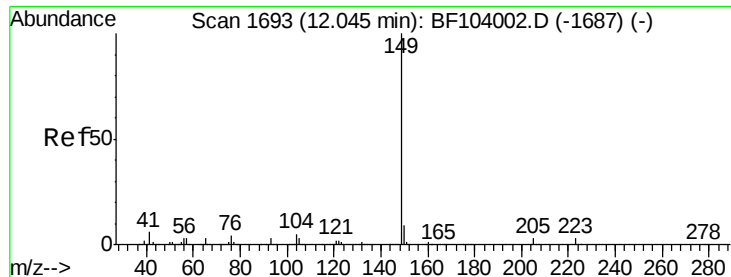
Sohil
 4/4/2018 4:09:59 PM



#72
 Carbazole
 Concen: 2.727 ng
 RT: 11.74 min Scan# 1641
 Delta R.T. 0.01 min
 Lab File: BF104195.D
 Acq: 3 Apr 2018 22:23

Tgt Ion	Ratio	Lower	Upper
167	100		
166	25.0	17.6	26.4
139	15.1	10.9	16.3





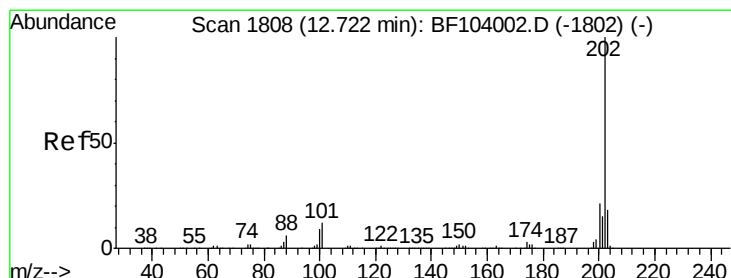
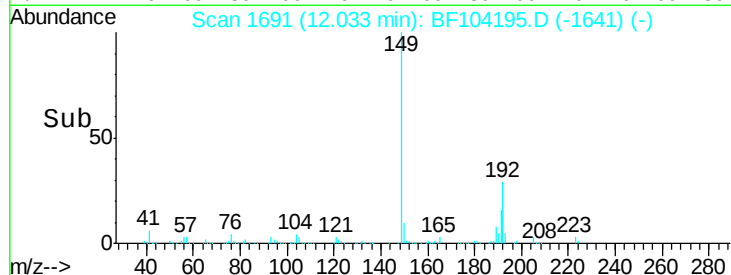
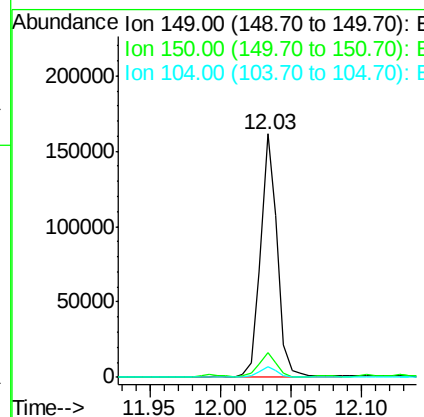
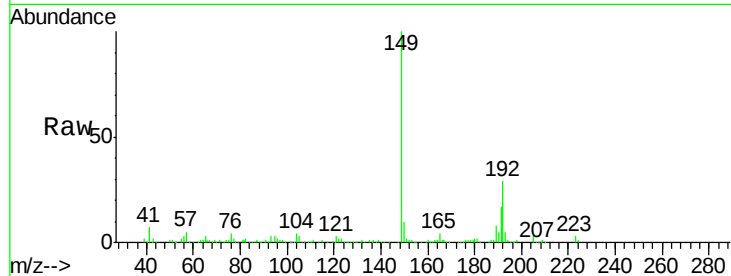
#73
Di-n-butylphthalate
Concen: 5.278 ng
RT: 12.03 min Scan# 1691
Delta R.T. -0.01 min
Lab File: BF104195.D
Acq: 3 Apr 2018 22:23

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-5-WW@3

Tot Ion	Ratio	Resp	Lower	Upper
149	100			
150	10.1	7.8	11.6	
104	4.4	3.8	5.8	

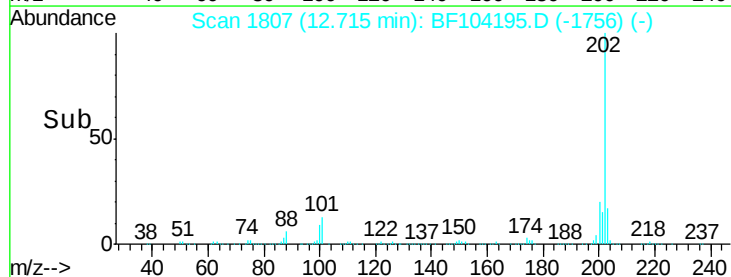
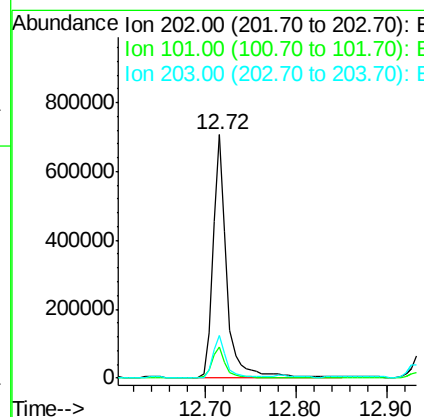
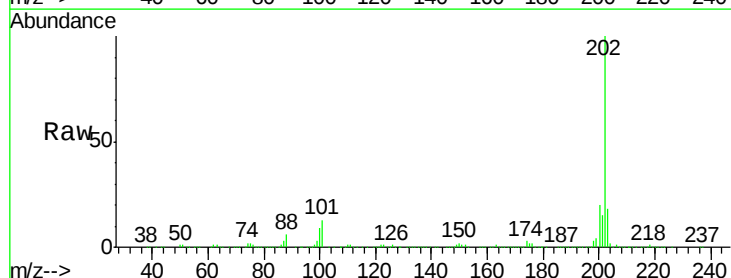
Manual Integrations
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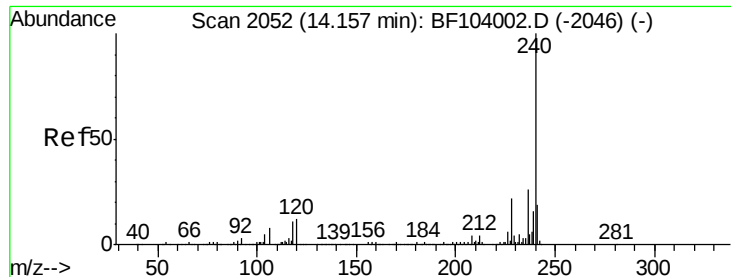
Sohil
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#74
Fluoranthene
Concen: 32.419 ng
RT: 12.72 min Scan# 1807
Delta R.T. -0.00 min
Lab File: BF104195.D
Acq: 3 Apr 2018 22:23

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
101	12.6	0.0	34.1	
203	17.6	0.0	38.1	





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2051

Delta R.T. -0.01 min

Lab File: BF104195.D

Acq: 3 Apr 2018 22:23

Instrument :

BNA_F

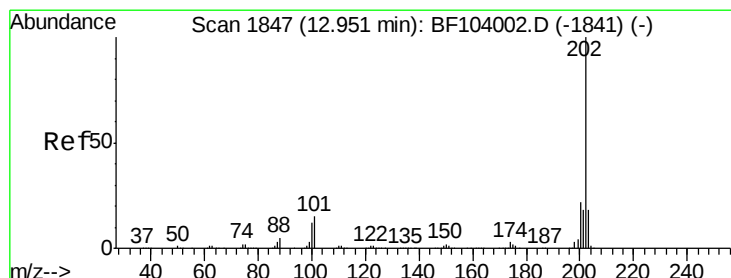
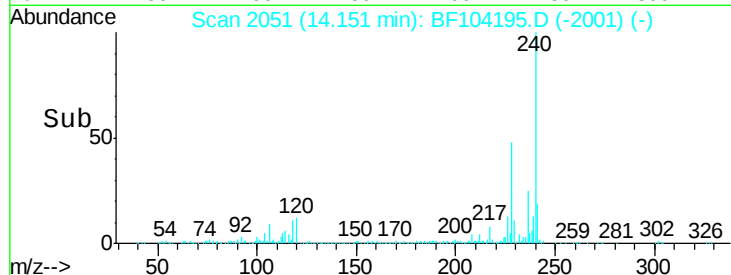
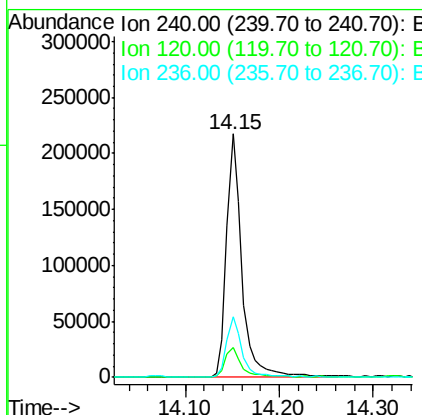
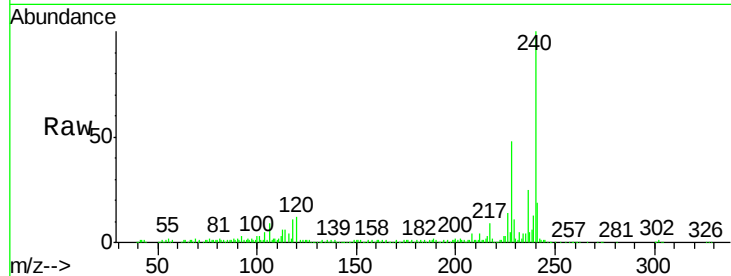
ClientSampleId :

6-WM-DIP-5-WW@3

Tot Ion:	240	Resp:	246170
Ion Ratio		Lower	Upper
240	100		
120	12.4	9.5	14.3
236	24.7	20.7	31.1

Manual Integrations
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#77

Pyrene

Concen: 38.571 ng

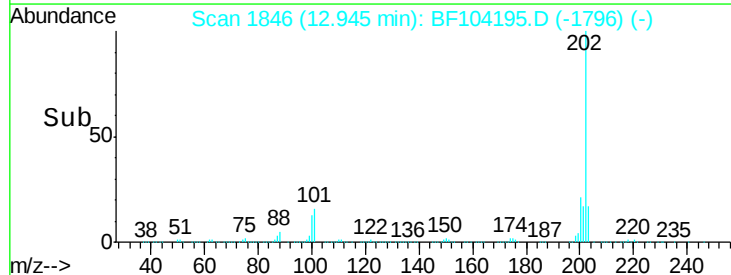
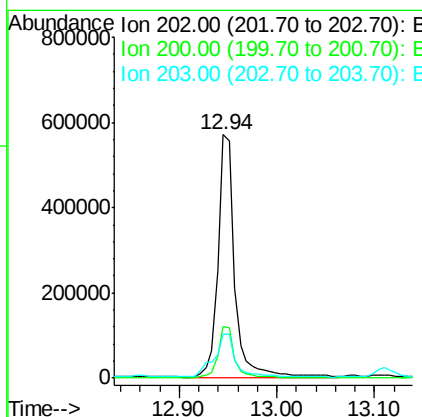
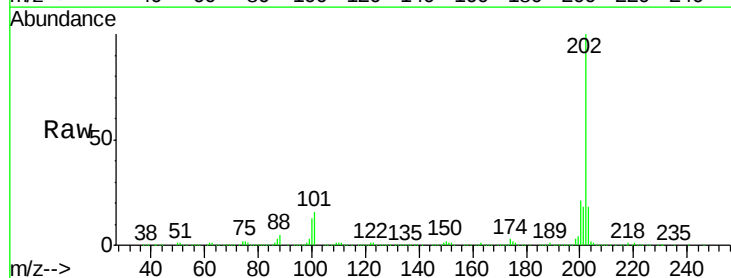
RT: 12.94 min Scan# 1846

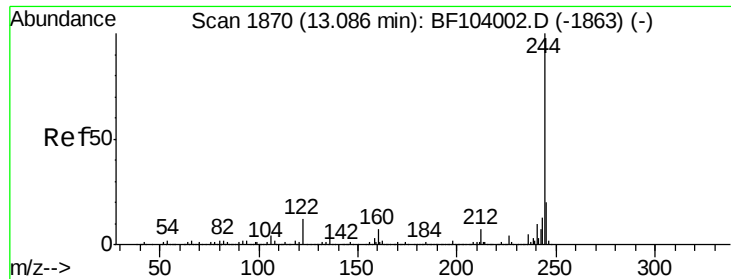
Delta R.T. -0.01 min

Lab File: BF104195.D

Acq: 3 Apr 2018 22:23

Tgt Ion:	202	Resp:	682553
Ion Ratio		Lower	Upper
202	100		
200	21.1	17.4	26.2
203	18.0	14.3	21.5





#78

Terphenyl-d14

Concen: 84.709 ng

RT: 13.08 min Scan# 1869

Delta R.T. -0.00 min

Lab File: BF104195.D

Acq: 3 Apr 2018 22:23

Instrument :

BNA_F

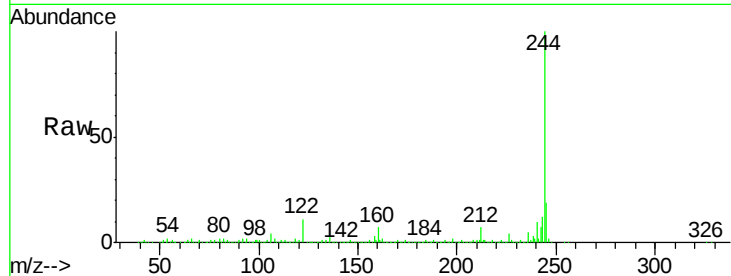
ClientSampleId :

6-WM-DIP-5-WW@3

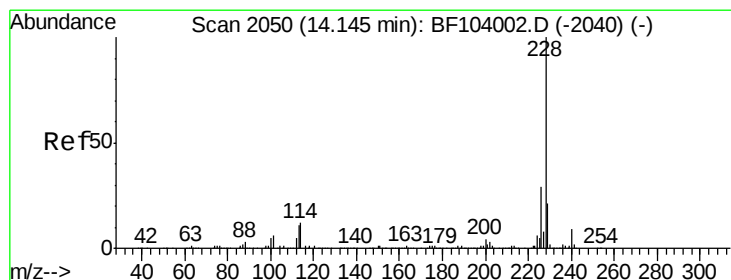
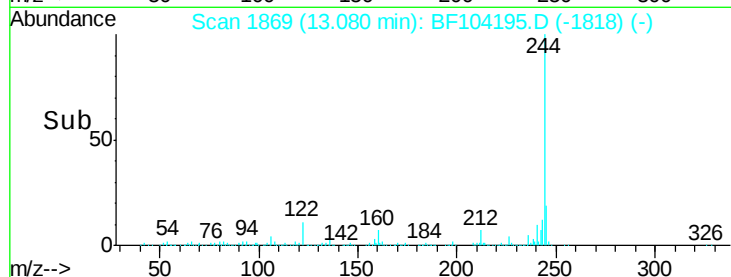
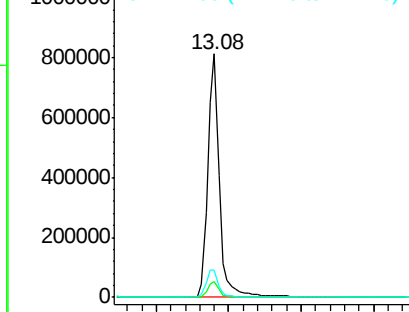
Tot Ion:	244	Resp:	903132
Ion Ratio	Lower	Upper	
244	100		
212	6.5	5.4	8.0
122	11.4	11.0	16.4

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Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E



#80

Benzo(a)anthracene

Concen: 21.191 ng

RT: 14.14 min Scan# 2049

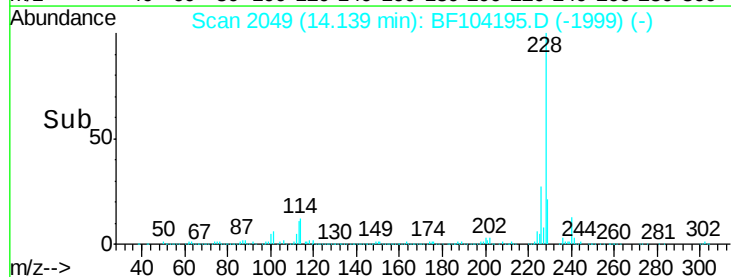
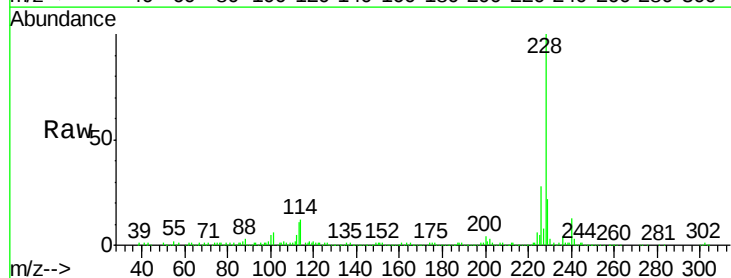
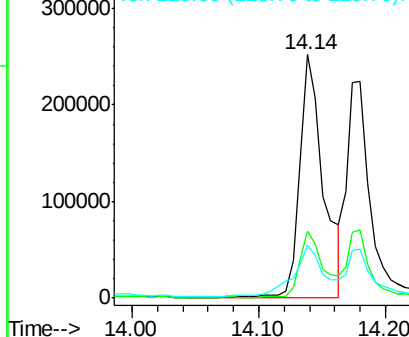
Delta R.T. -0.01 min

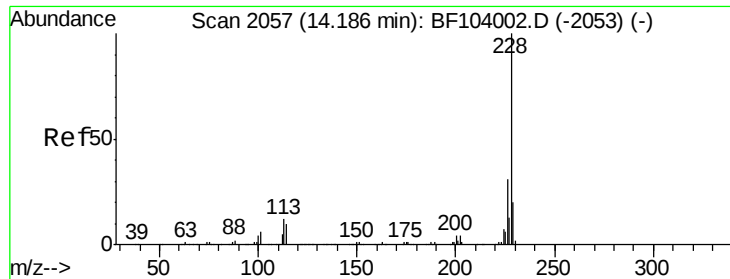
Lab File: BF104195.D

Acq: 3 Apr 2018 22:23

Tgt Ion:	228	Resp:	326410
Ion Ratio	Lower	Upper	
228	100		
226	27.6	22.6	33.8
229	21.9	15.8	23.6

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: 18.866 ng

RT: 14.18 min Scan# 2056

Delta R.T. -0.01 min

Lab File: BF104195.D

Acq: 3 Apr 2018 22:23

Instrument :

BNA_F

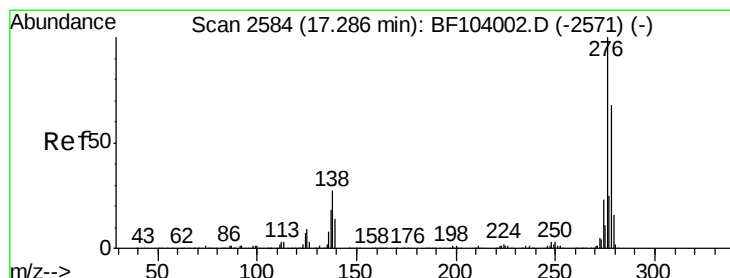
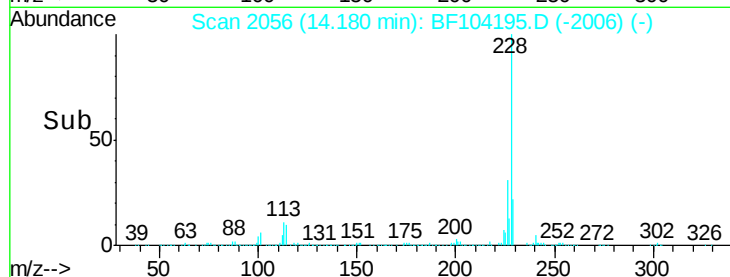
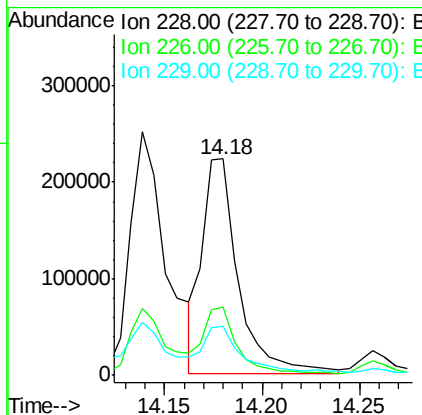
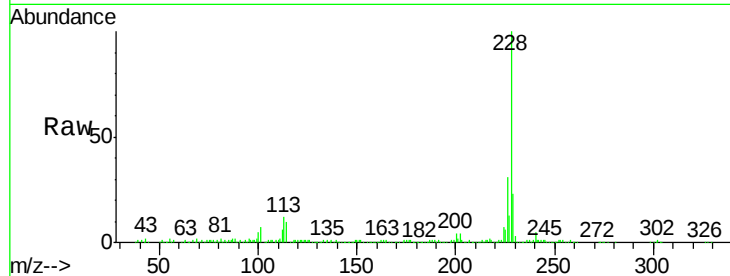
ClientSampleId :

6-WM-DIP-5-WW@3

Tot Ion:	228	Resp:	284620
Ion Ratio	Lower	Upper	
228	100		
226	31.2	25.0	37.6
229	22.8	16.2	24.4

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#85

Indeno(1,2,3-cd)pyrene

Concen: 8.612 ng

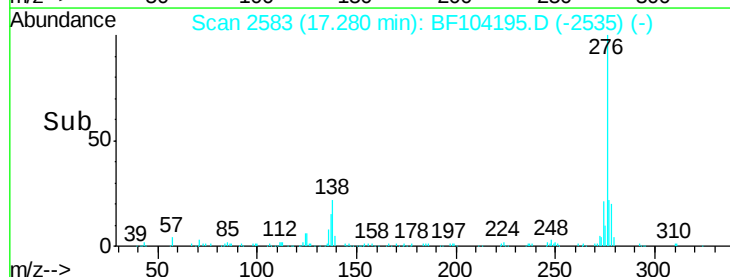
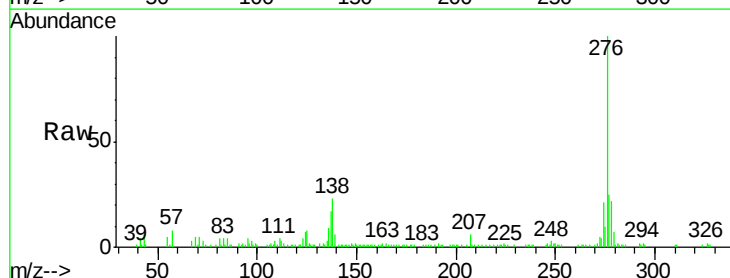
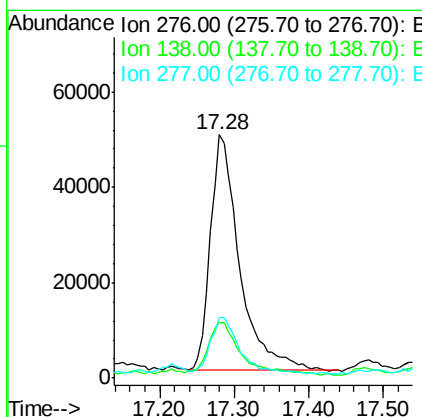
RT: 17.28 min Scan# 2583

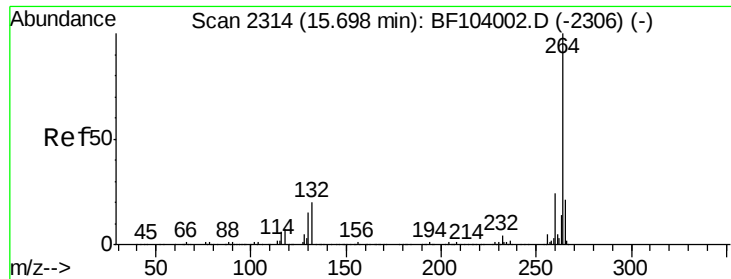
Delta R.T. -0.02 min

Lab File: BF104195.D

Acq: 3 Apr 2018 22:23

Tgt Ion:	276	Resp:	134641
Ion Ratio	Lower	Upper	
276	100		
138	25.0	25.0	37.6#
277	23.4	20.1	30.1





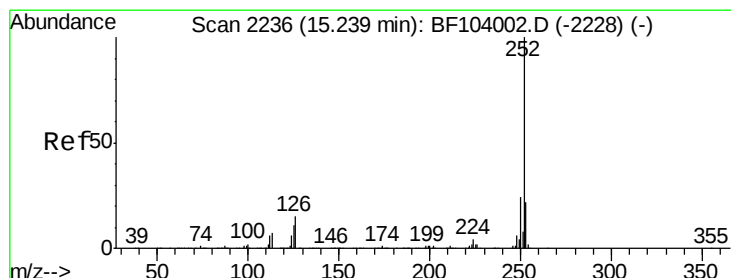
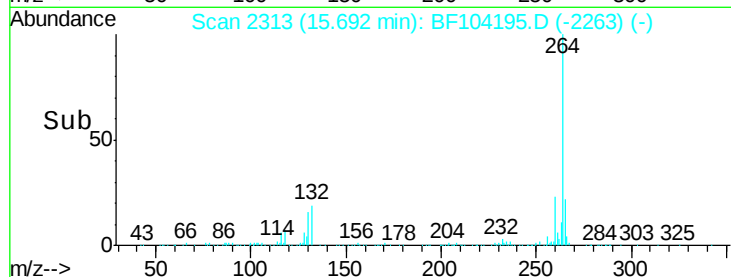
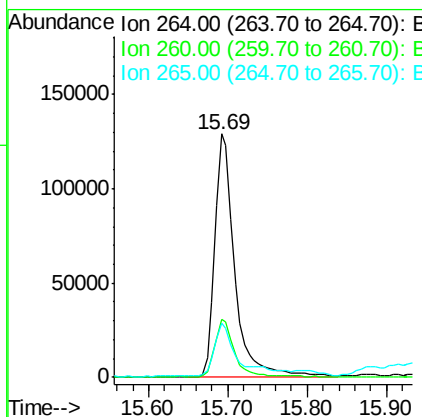
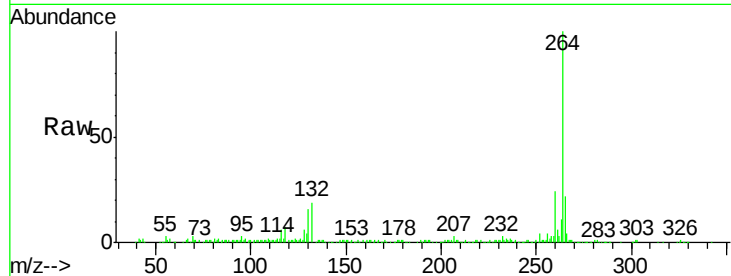
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2313
Delta R.T. -0.01 min
Lab File: BF104195.D
Acq: 3 Apr 2018 22:23

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-5-WW@3

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.2	28.8
265	22.3	17.5	26.3

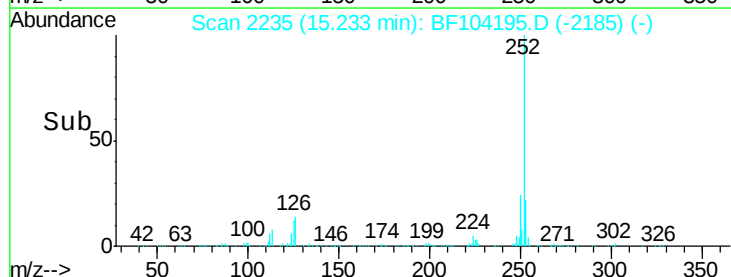
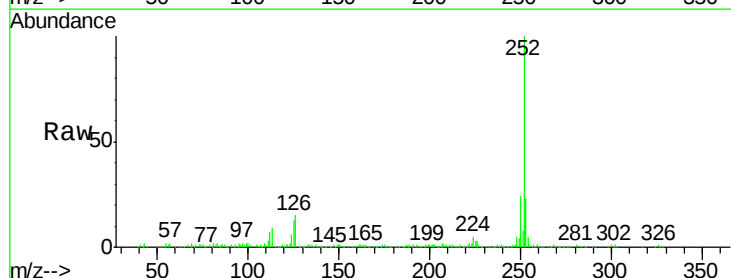
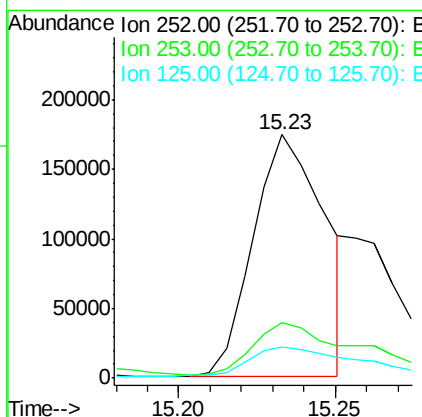
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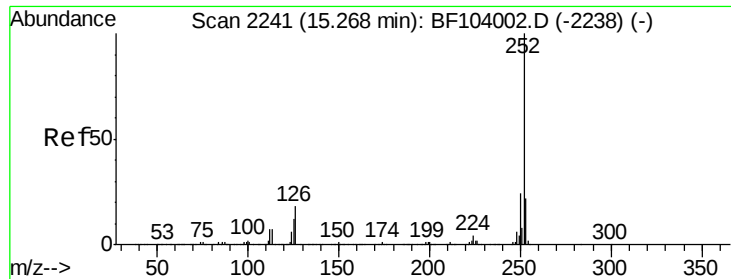
Sohil
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#87
Benzo(b)fluoranthene
Concen: 20.293 ng m
RT: 15.23 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF104195.D
Acq: 3 Apr 2018 22:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	12.8	9.0	13.6





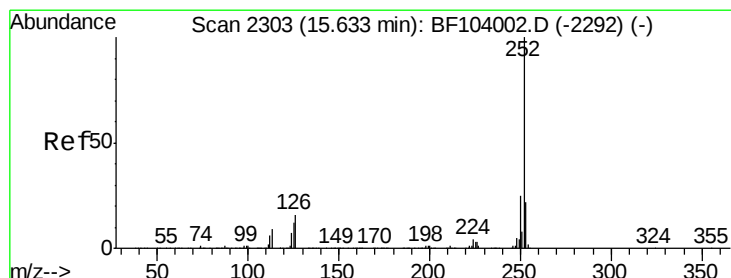
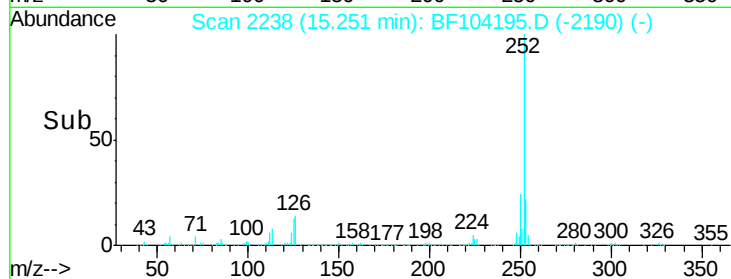
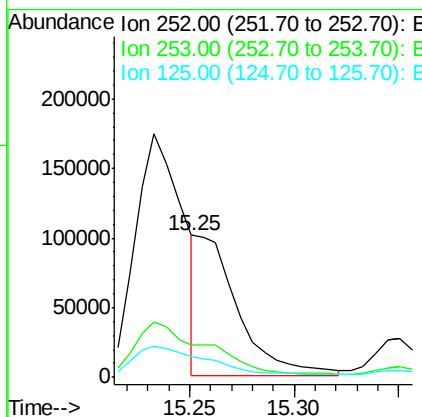
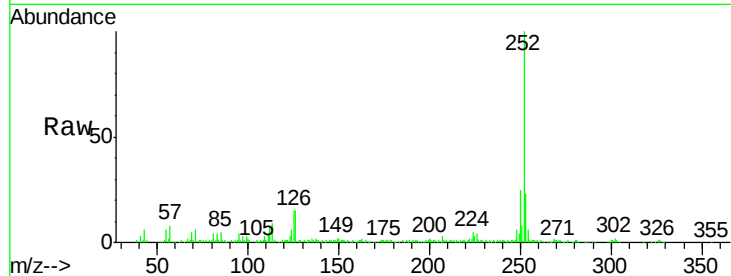
#88
Benzo(k)fluoranthene
Concen: 10.556 ng m
RT: 15.25 min Scan# 2238
Delta R.T. -0.02 min
Lab File: BF104195.D
Acq: 3 Apr 2018 22:23

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-5-WW@3

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	14.6	10.2	15.2

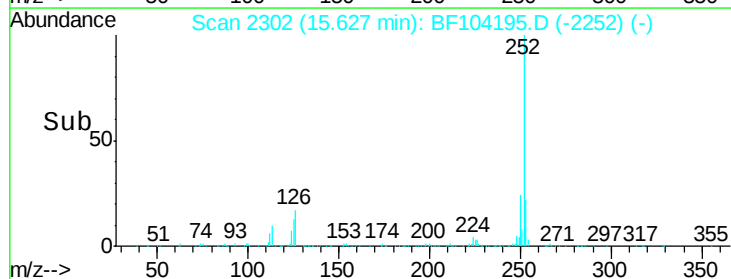
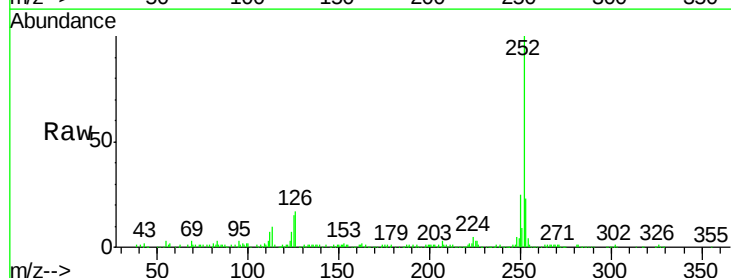
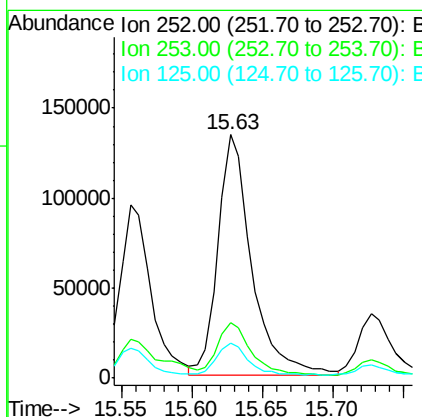
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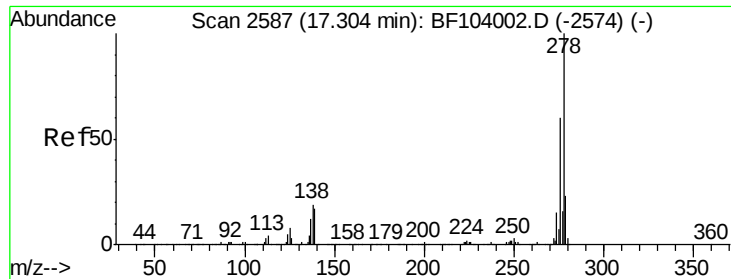
Sohil
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#89
Benzo(a)pyrene
Concen: 17.724 ng
RT: 15.63 min Scan# 2302
Delta R.T. -0.01 min
Lab File: BF104195.D
Acq: 3 Apr 2018 22:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.1	25.7
125	14.6	9.8	14.6





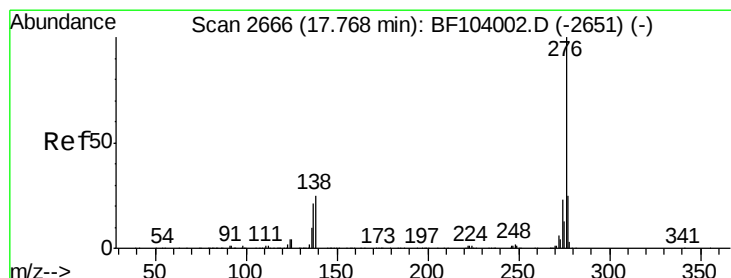
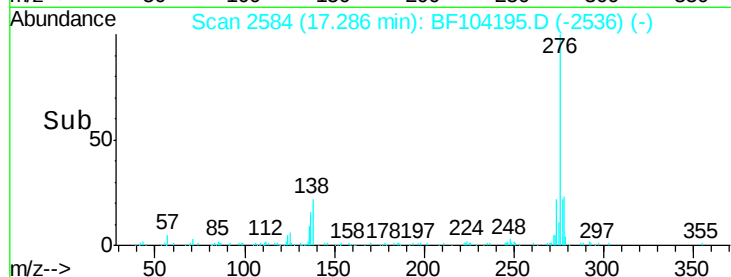
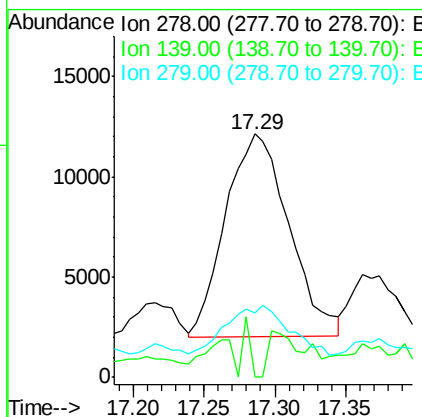
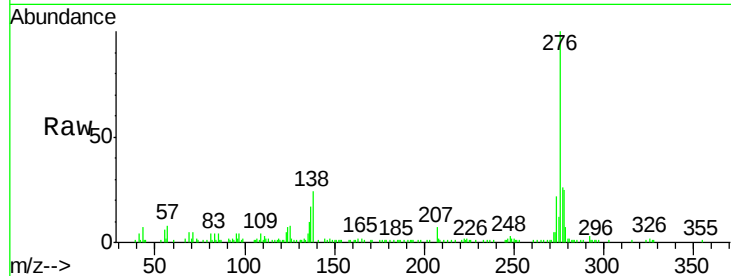
#90
Dibenzo(a,h)anthracene
Concen: 2.693 ng m
RT: 17.29 min Scan# 2584
Delta R.T. -0.02 min
Lab File: BF104195.D
Acq: 3 Apr 2018 22:23

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-5-WW@3

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	26.4	19.0	28.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 11.662 ng
RT: 17.77 min Scan# 2666
Delta R.T. -0.01 min
Lab File: BF104195.D
Acq: 3 Apr 2018 22:23

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.1	17.9	26.9
138	24.6	21.8	32.8

