

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
 Data File : BF104192.D
 Acq On : 3 Apr 2018 21:04
 Operator : JU/SJ
 Sample : J2182-18
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 6-WM-DIP-8-EW(1-5)

Manual Integrations
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 4/4/2018 4:09:51 PM

Quant Time: Apr 04 01:37:22 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	104503	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	467875	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	226746	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	417613	20.00	ng	0.00
75) Chrysene-d12	14.15	240	292891	20.00	ng	0.00
86) Perylene-d12	15.69	264	223935	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	631654	96.39	ng	0.00
7) Phenol-d6	6.59	99	850984	105.55	ng	0.00
23) Nitrobenzene-d5	7.52	82	514226	67.21	ng	-0.01
41) 2,4,6-Tribromophenol	10.79	330	241184	95.53	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	871014	60.58	ng	0.00
78) Terphenyl-d14	13.08	244	891778	70.30	ng	0.00
Target Compounds						
10) Phenol	6.61	94	34756	3.891	ng	Qvalue # 68
49) Dimethylphthalate	9.70	163	104671	5.847	ng	99
51) Acenaphthene	10.03	154	32274	2.399	ng	98
57) Fluorene	10.55	166	33440	2.063	ng	98
70) Phenanthrene	11.52	178	466263	20.622	ng	98
71) Anthracene	11.57	178	145704	6.169	ng	98
72) Carbazole	11.74	167	56939	2.526	ng	98
74) Fluoranthene	12.72	202	838123	34.873	ng	97
77) Pyrene	12.94	202	727429	34.549	ng	99
80) Benzo(a)anthracene	14.14	228	320537	17.490	ng	98
82) Chrysene	14.17	228	263158	14.661	ng	98
85) Indeno(1,2,3-cd)pyrene	17.27	276	125137	6.727	ng	# 90
87) Benzo(b)fluoranthene	15.23	252	259271m	19.024	ng	
88) Benzo(k)fluoranthene	15.26	252	112977m	8.800	ng	
89) Benzo(a)pyrene	15.63	252	196462	15.556	ng	97
90) Dibenzo(a,h)anthracene	17.29	278	25747m	2.205	ng	
91) Benzo(a,h,i)perylene	17.76	276	119610	10.227	ng	96

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

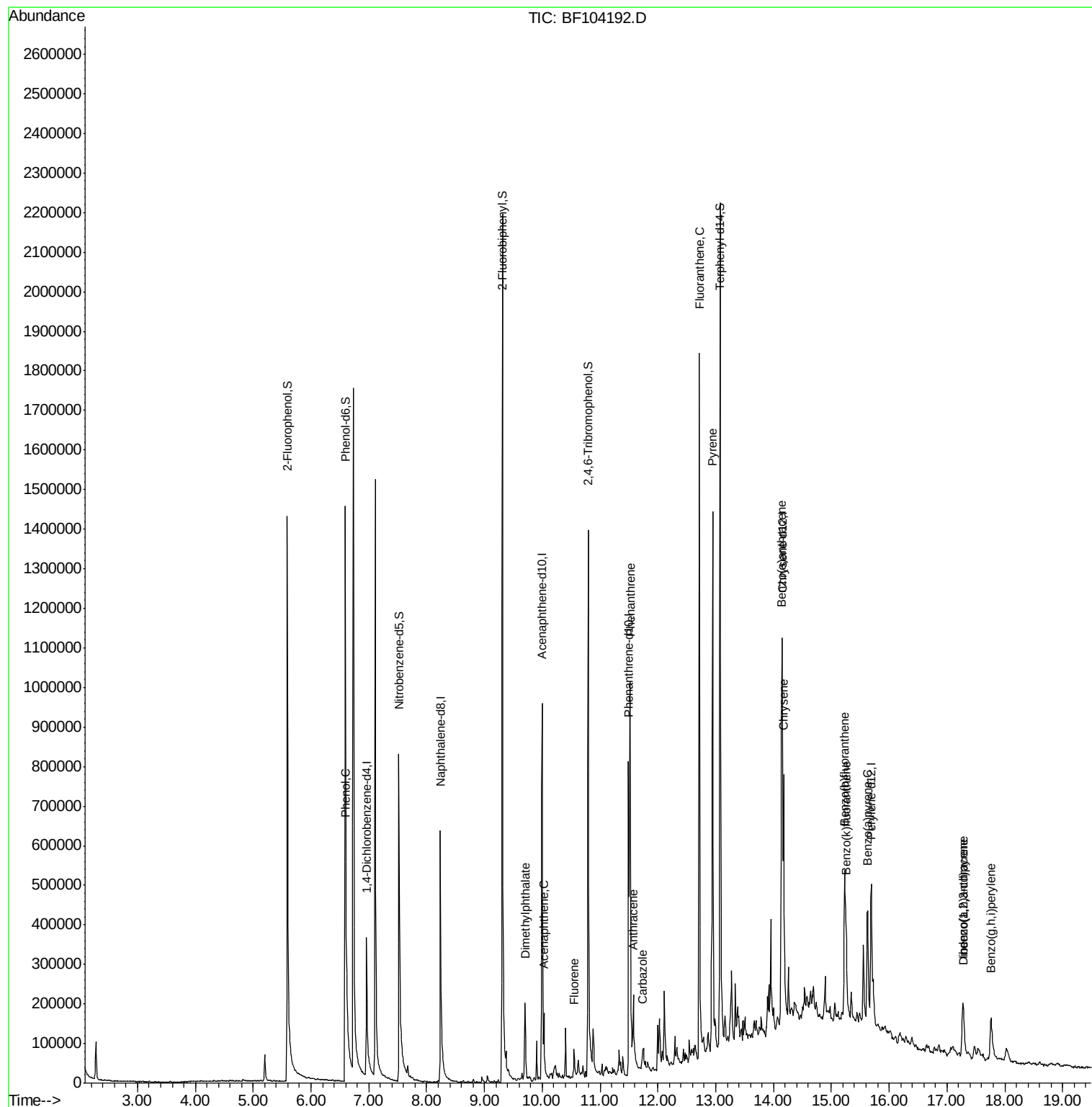
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
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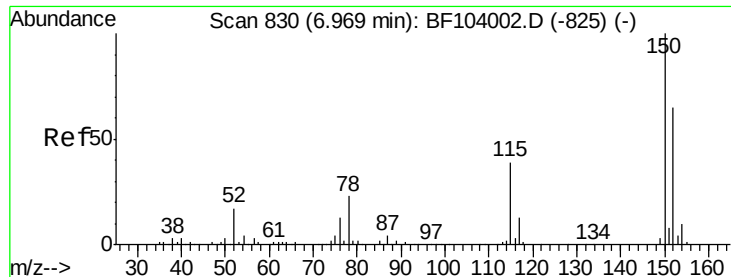
Instrument :
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#1

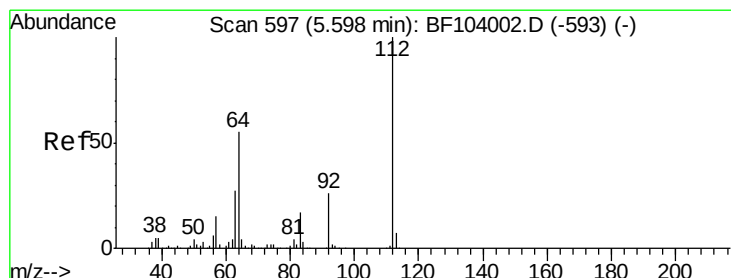
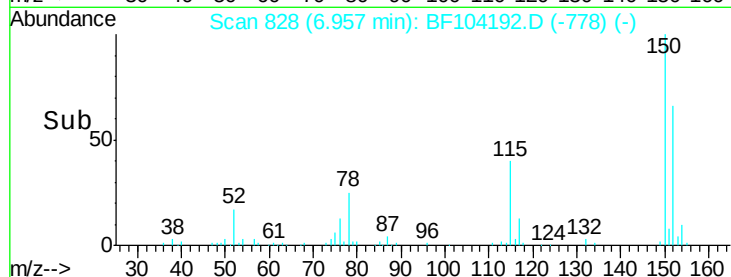
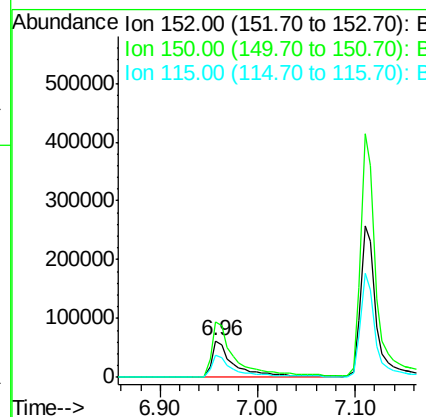
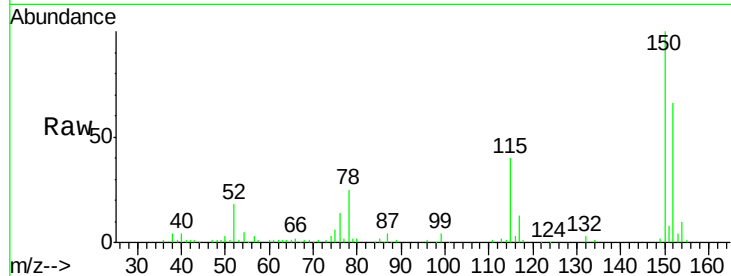
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF104192.D
Acq: 3 Apr 2018 21:04

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-8-EW(1-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.3	124.6	186.8
115	61.1	50.1	75.1

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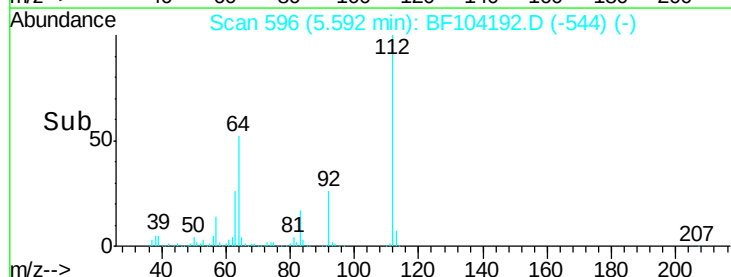
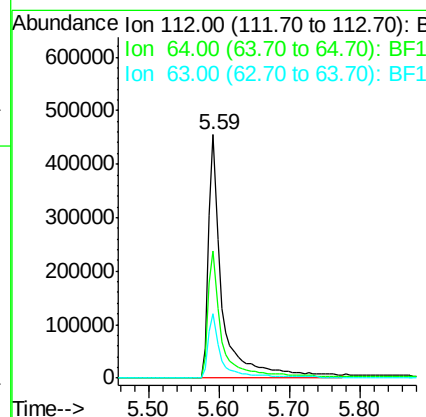
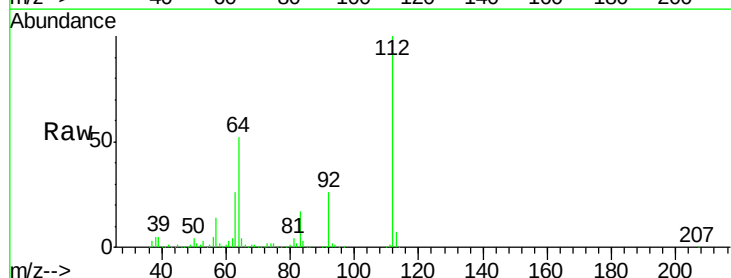
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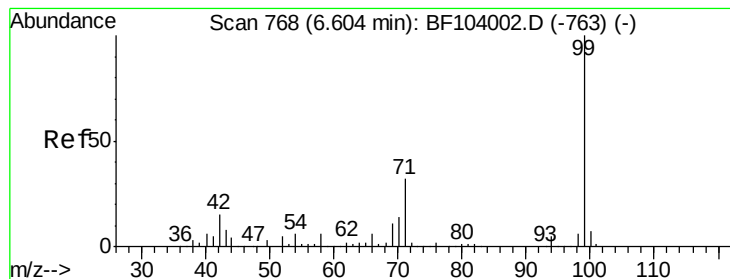


#5

2-Fluorophenol
Concen: 96.392 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.01 min
Lab File: BF104192.D
Acq: 3 Apr 2018 21:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.2	47.9	71.9
63	26.2	23.7	35.5





#7

Phenol-d6

Concen: 105.554 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF104192.D

Acq: 3 Apr 2018 21:04

Instrument :

BNA_F

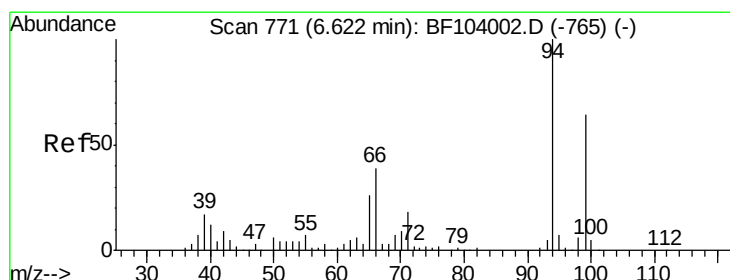
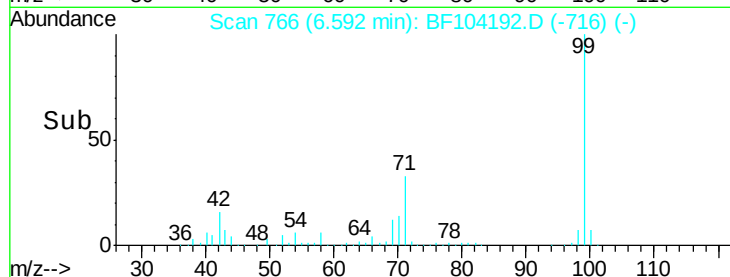
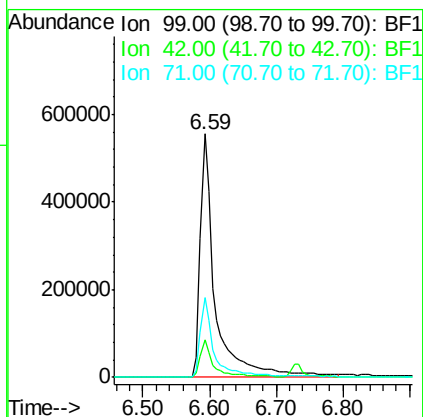
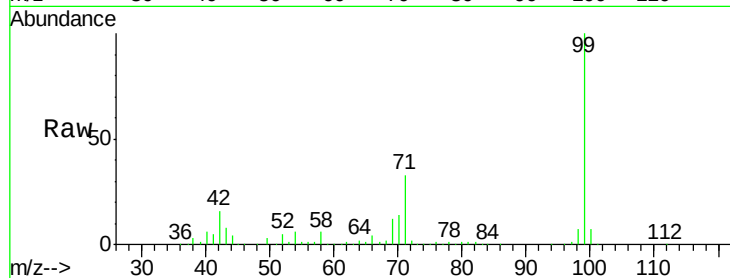
ClientSampleId :

6-WM-DIP-8-EW(1-5)

Tot Ion:	99	Resp:	850984
Ion Ratio	Lower	Upper	
99	100		
42	15.7	14.5	21.7
71	33.0	25.4	38.0

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#10

Phenol

Concen: 3.891 ng

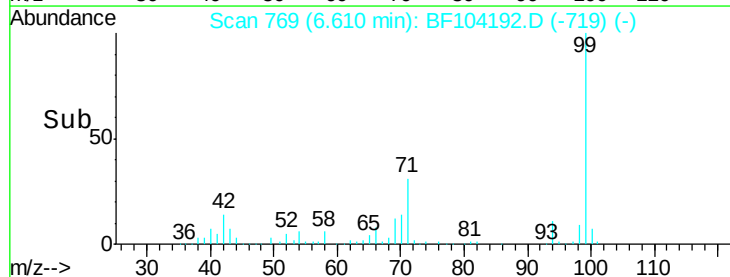
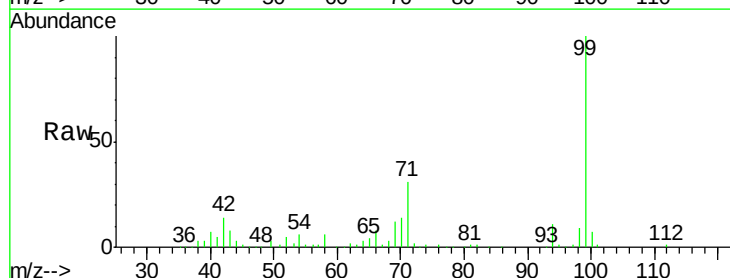
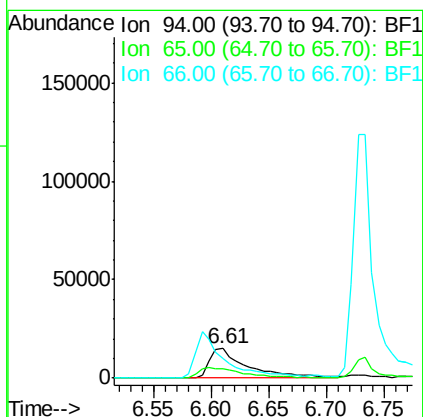
RT: 6.61 min Scan# 769

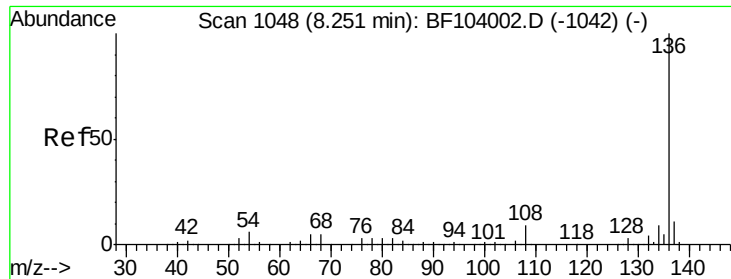
Delta R.T. -0.01 min

Lab File: BF104192.D

Acq: 3 Apr 2018 21:04

Tgt Ion:	94	Resp:	34756
Ion Ratio	Lower	Upper	
94	100		
65	31.1	7.9	47.9
66	66.5	16.2	56.2#





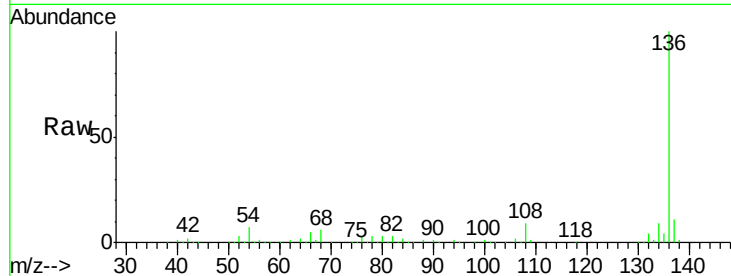
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BF104192.D
Acq: 3 Apr 2018 21:04

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-8-EW(1-5)

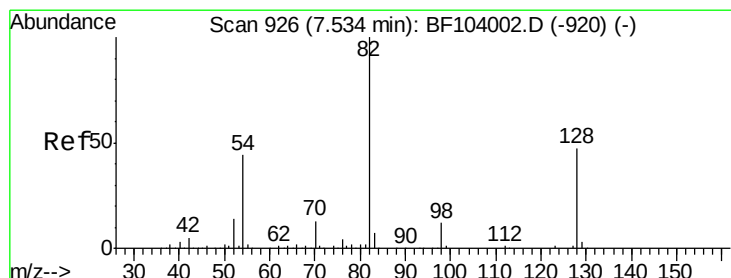
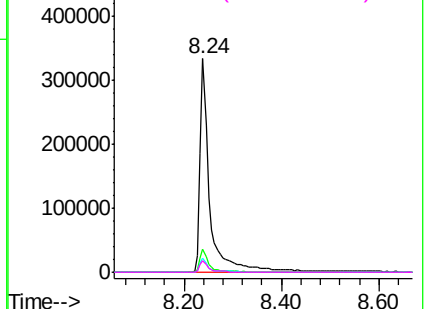
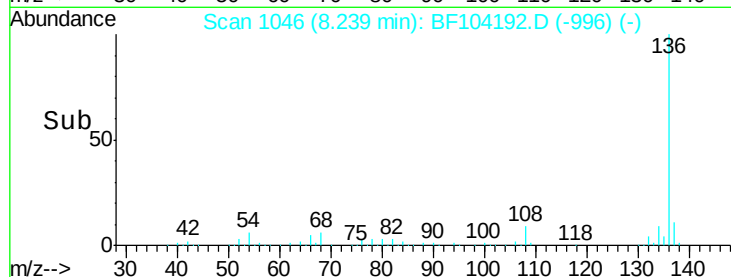
Tot Ion	Ion	Ratio	Resp	Lower	Upper
136	100				
137	10.9		8.9	13.3	
54	6.5		6.6	9.8	
68	5.6		5.0	7.4	

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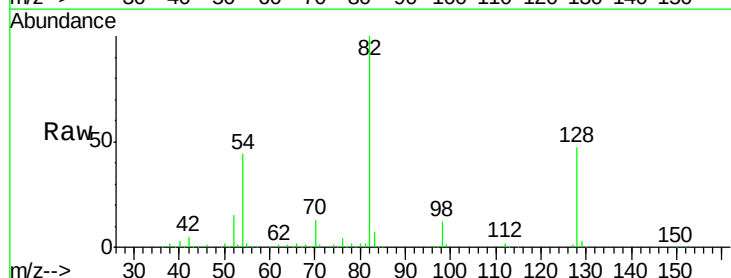


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

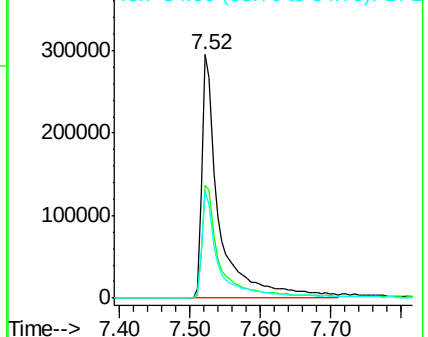
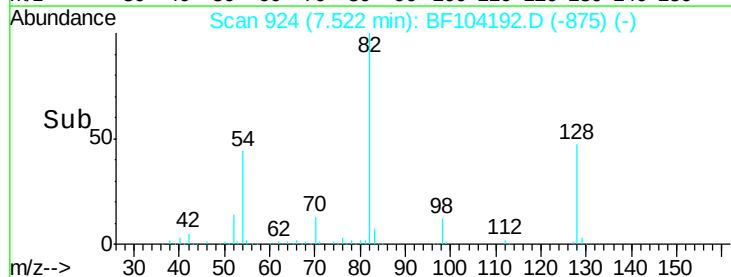


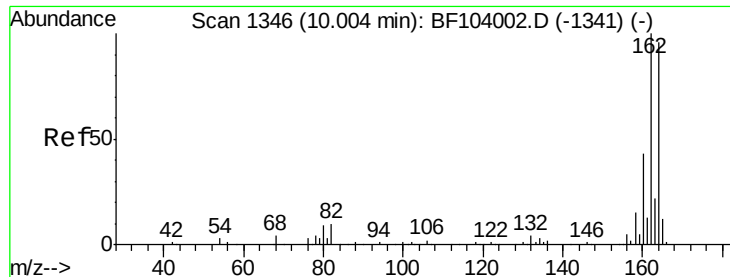
#23
Nitrobenzene-d5
Concen: 67.214 ng
RT: 7.52 min Scan# 924
Delta R.T. -0.01 min
Lab File: BF104192.D
Acq: 3 Apr 2018 21:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
82	100				
128	46.6		36.1	54.1	
54	44.0		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: BF104192.D

Acq: 3 Apr 2018 21:04

Instrument :

BNA_F

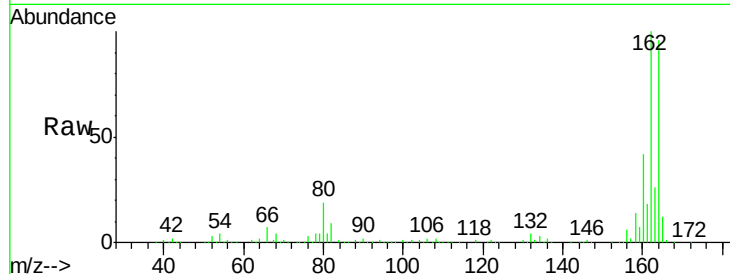
ClientSampleId :

6-WM-DIP-8-EW(1-5)

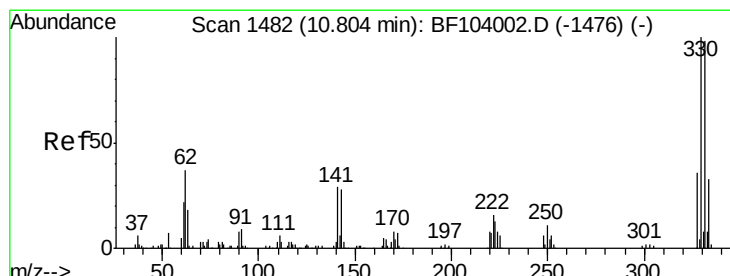
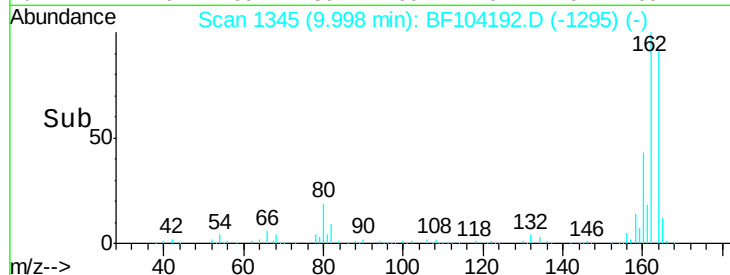
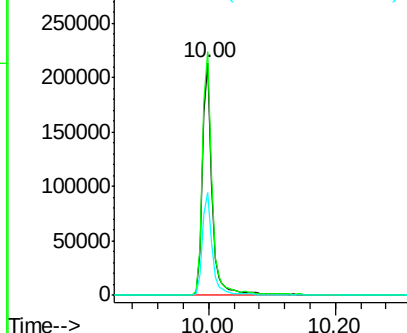
Tot Ion:	164	Resp:	226746
Ion Ratio	Lower	Upper	
164	100		
162	104.7	86.1	129.1
160	44.4	38.3	57.5

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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: 95.525 ng

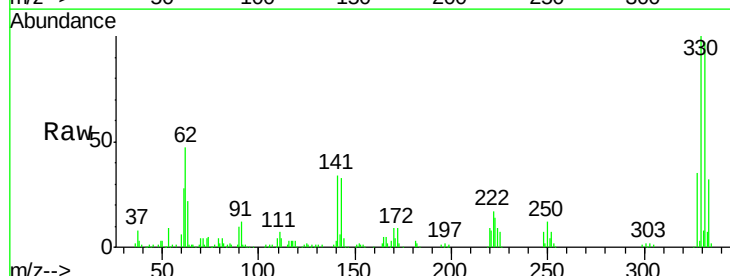
RT: 10.79 min Scan# 1480

Delta R.T. -0.01 min

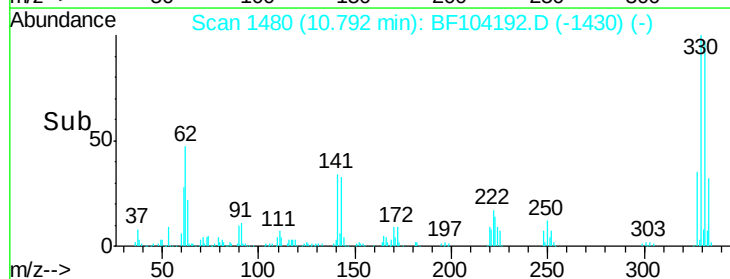
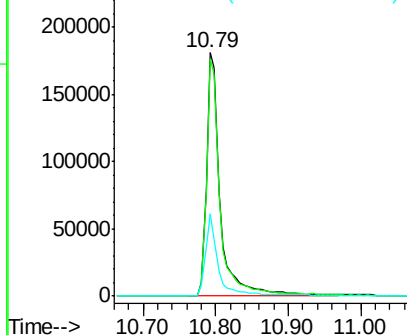
Lab File: BF104192.D

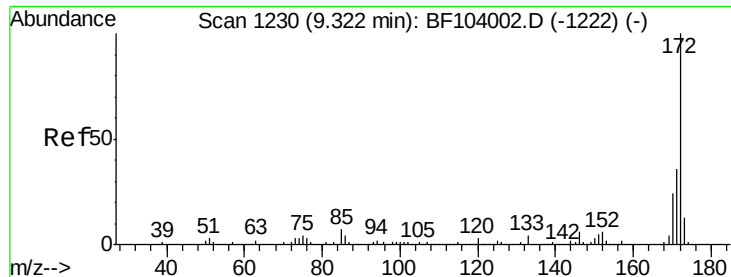
Acq: 3 Apr 2018 21:04

Tgt Ion:	330	Resp:	241184
Ion Ratio	Lower	Upper	
330	100		
332	97.1	77.0	115.6
141	30.0	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





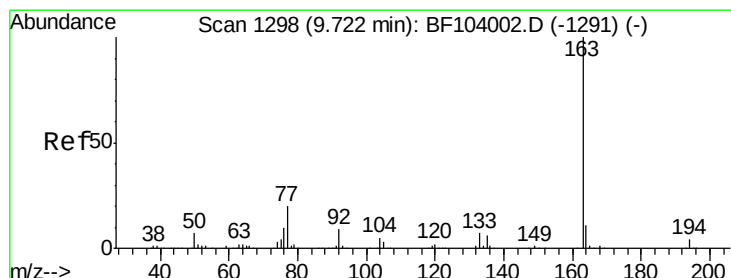
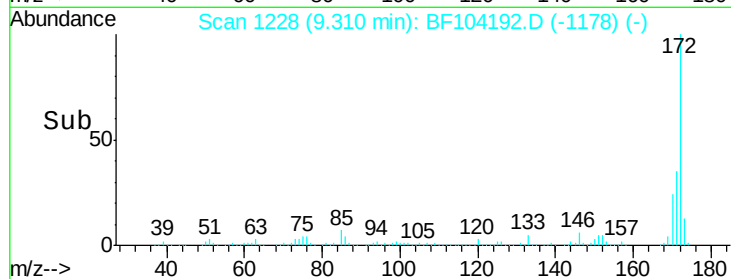
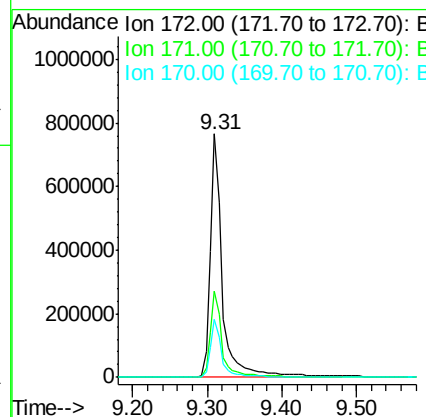
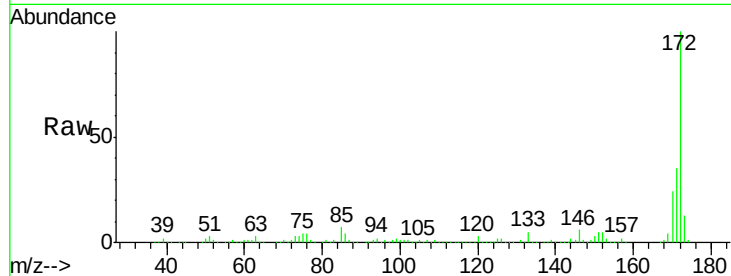
#44
2-Fluorobiphenyl
Concen: 60.575 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BF104192.D
Acq: 3 Apr 2018 21:04

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-8-EW(1-5)

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.2	29.7	44.5
170	23.7	19.6	29.4

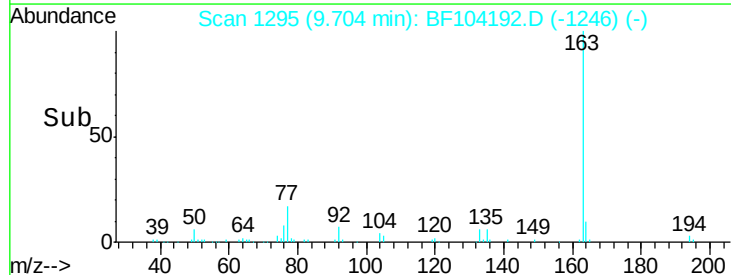
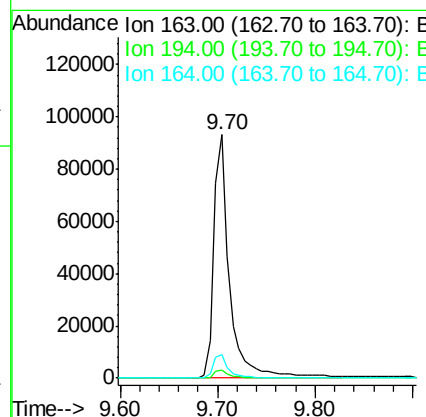
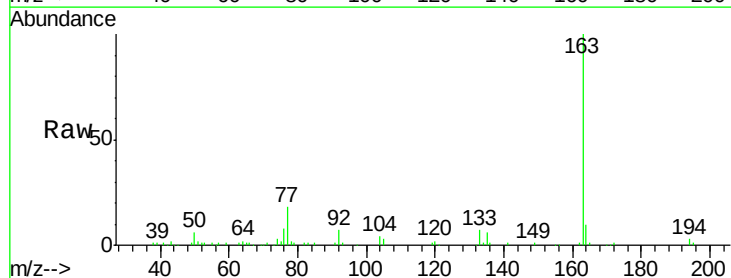
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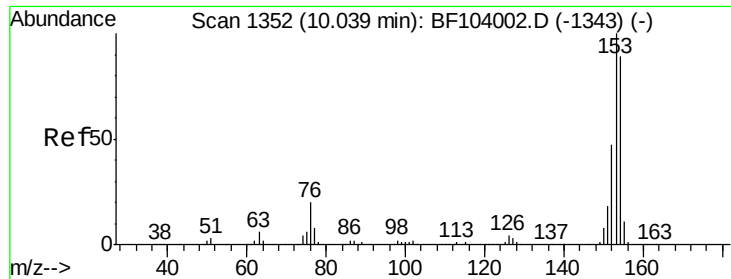
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#49
Dimethylphthalate
Concen: 5.847 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF104192.D
Acq: 3 Apr 2018 21:04

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	2.7	4.1
164	9.6	8.2	12.2





#51

Acenaphthene

Concen: 2.399 ng

RT: 10.03 min Scan# 1350

Delta R.T. -0.01 min

Lab File: BF104192.D

Acq: 3 Apr 2018 21:04

Instrument :

BNA_F

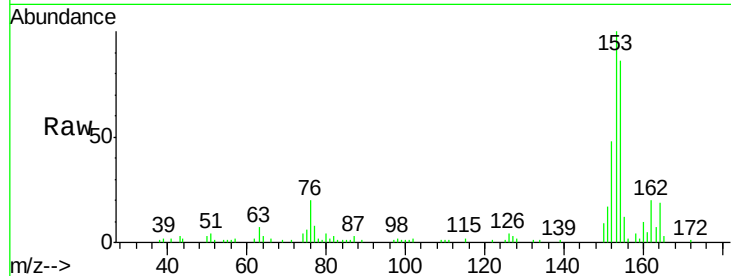
ClientSampleId :

6-WM-DIP-8-EW(1-5)

Tot Ion:	154	Resp:	32274
Ion	Ratio	Lower	Upper
154	100		
153	116.8	91.2	136.8
152	56.2	43.8	65.8

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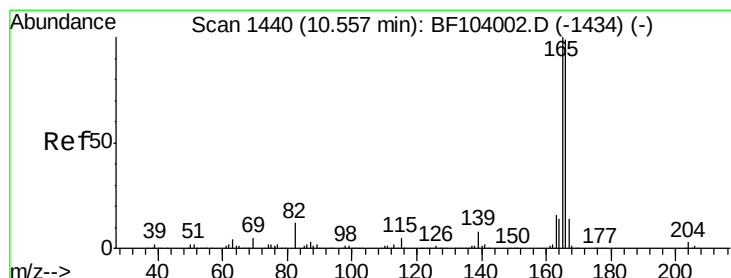
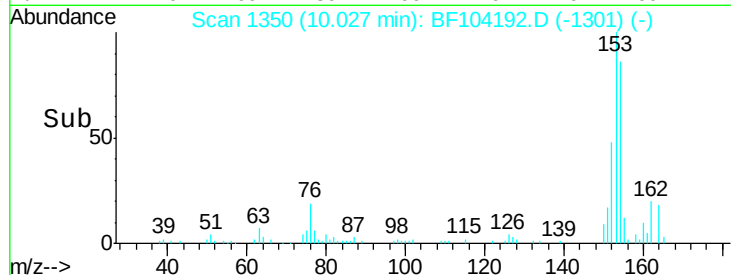
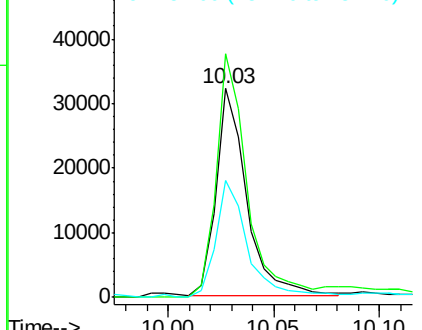


Abundance

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: 2.063 ng

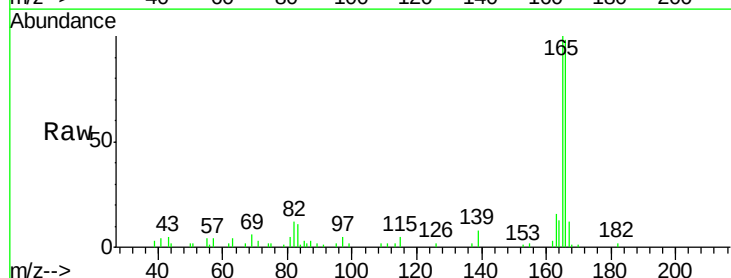
RT: 10.55 min Scan# 1439

Delta R.T. -0.01 min

Lab File: BF104192.D

Acq: 3 Apr 2018 21:04

Tgt Ion:	166	Resp:	33440
Ion	Ratio	Lower	Upper
166	100		
165	102.3	79.8	119.8
167	12.8	10.6	16.0

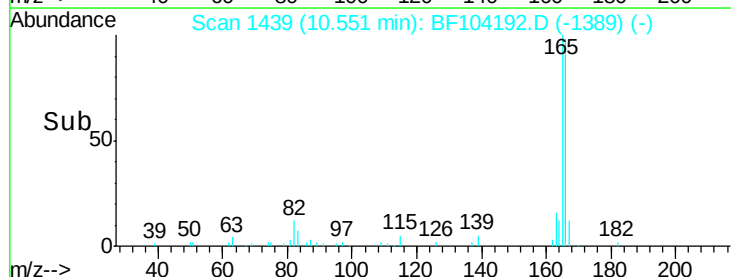
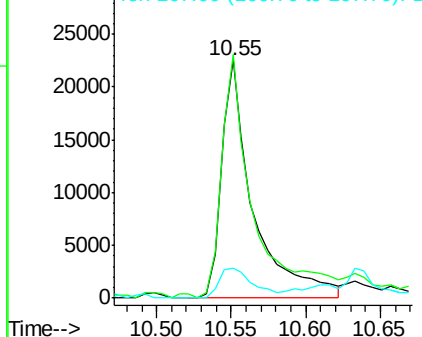


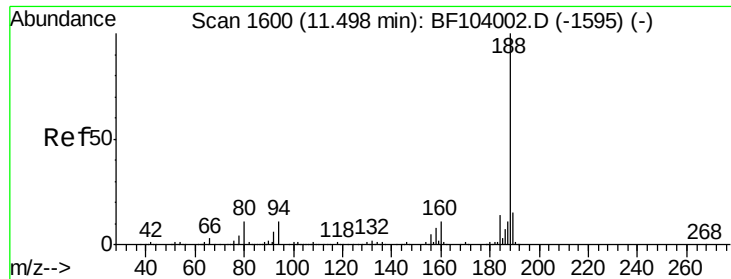
Abundance

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





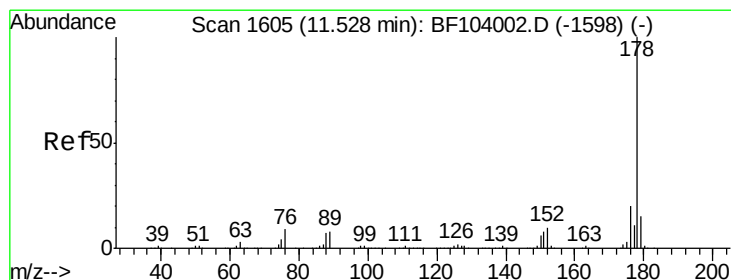
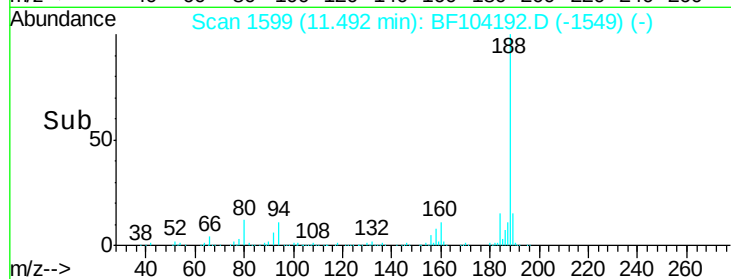
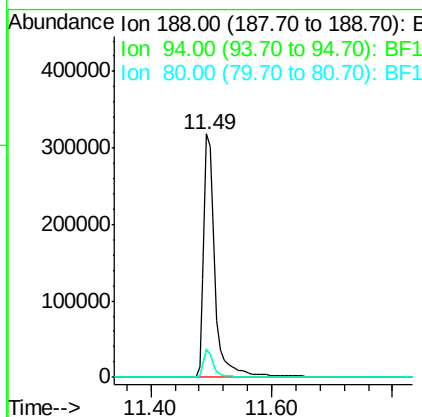
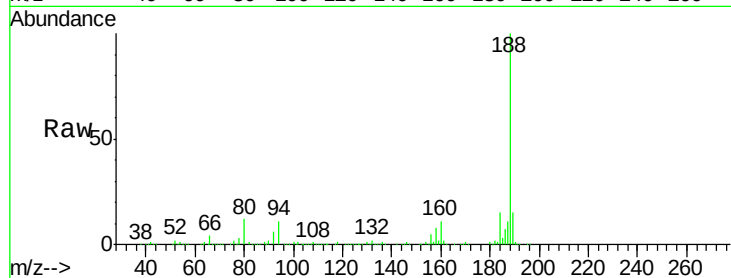
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1599
 Delta R.T. -0.01 min
 Lab File: BF104192.D
 Acq: 3 Apr 2018 21:04

Instrument :
 BNA_F
 ClientSampleId :
 6-WM-DIP-8-EW(1-5)

Tot Ion	Ratio	Resp	Lower	Upper
188	100	417613		
94	11.0		8.5	12.7
80	11.7		9.2	13.8

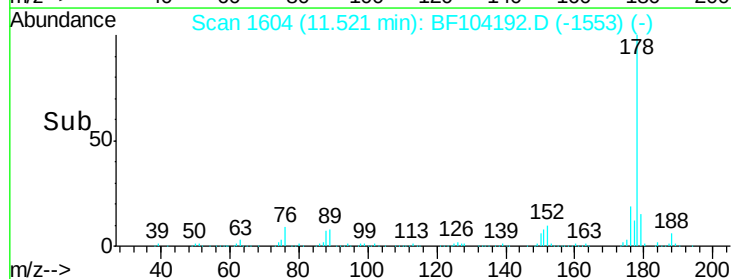
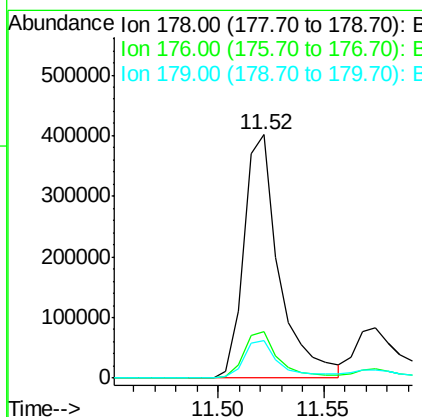
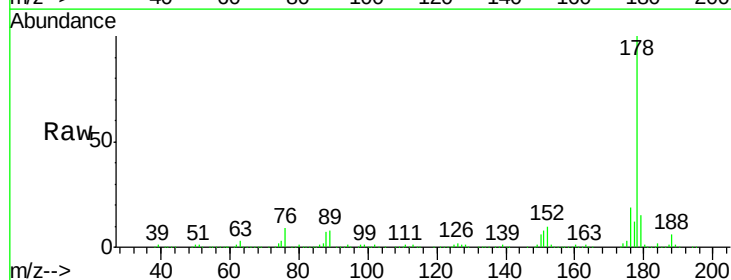
Manual Integrations
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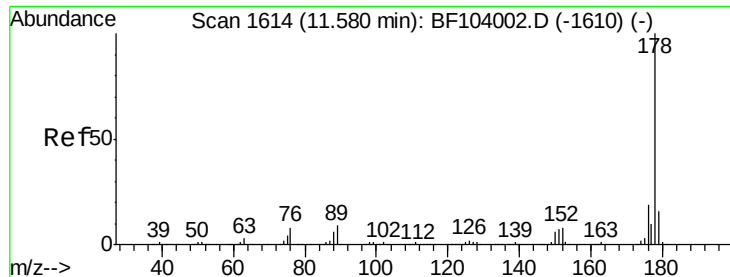
Sohil
 4/4/2018 4:09:51 PM



#70
 Phenanthrene
 Concen: 20.622 ng
 RT: 11.52 min Scan# 1604
 Delta R.T. -0.00 min
 Lab File: BF104192.D
 Acq: 3 Apr 2018 21:04

Tgt Ion	Ratio	Resp	Lower	Upper
178	100	466263		
176	19.1		15.8	23.8
179	15.3		13.0	19.6





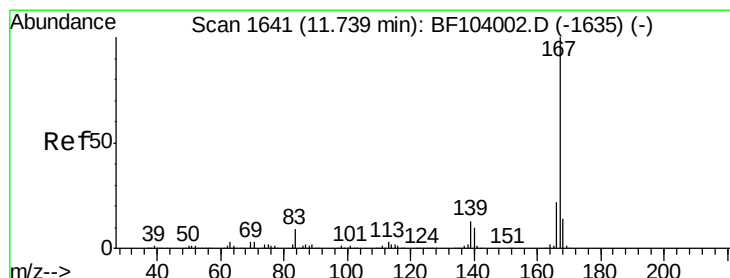
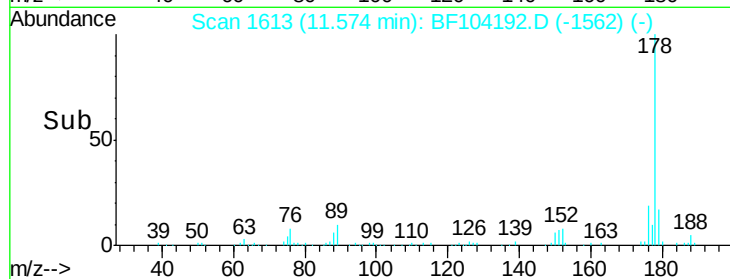
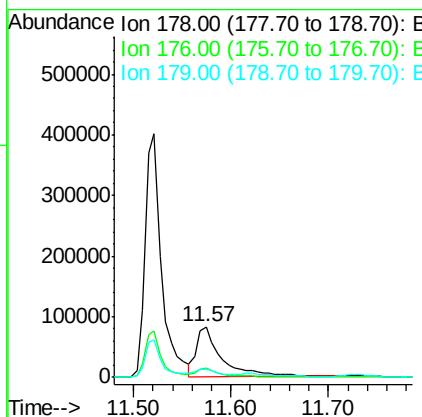
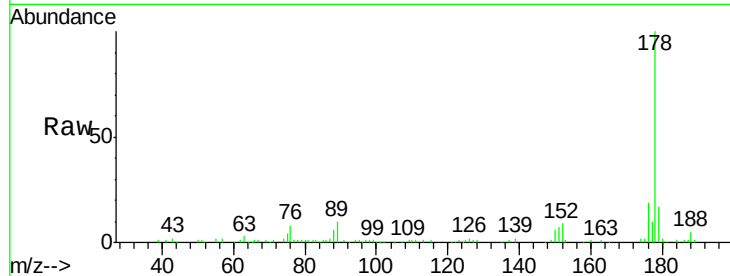
#71
 Anthracene
 Concen: 6.169 ng
 RT: 11.57 min Scan# 1613
 Delta R.T. -0.00 min
 Lab File: BF104192.D
 Acq: 3 Apr 2018 21:04

Instrument :
 BNA_F
 ClientSampleId :
 6-WM-DIP-8-EW(1-5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.4	23.2
179	16.7	12.6	19.0

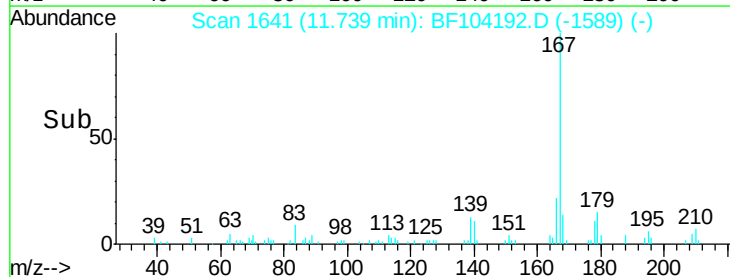
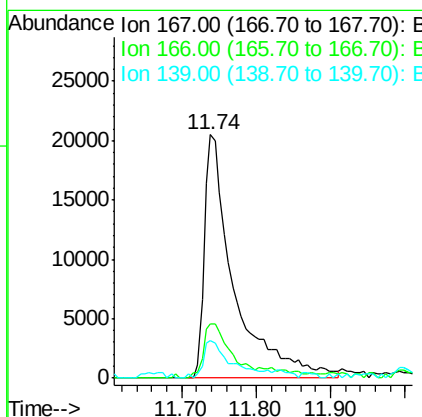
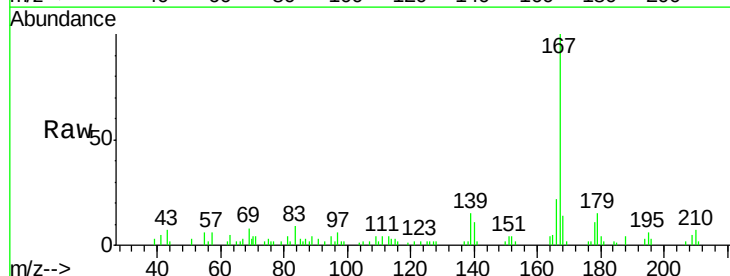
Manual Integrations
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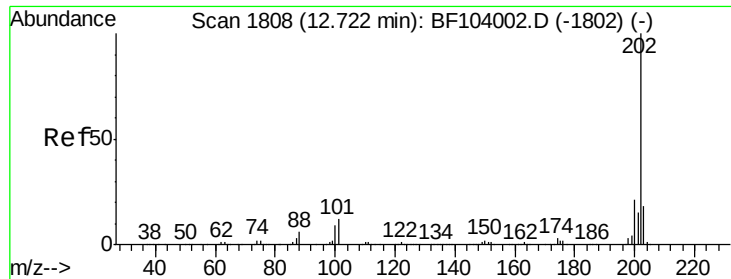
Sohil
 4/4/2018 4:09:51 PM



#72
 Carbazole
 Concen: 2.526 ng
 RT: 11.74 min Scan# 1641
 Delta R.T. 0.01 min
 Lab File: BF104192.D
 Acq: 3 Apr 2018 21:04

Tgt Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.6	26.4
139	15.5	10.9	16.3





#74

Fluoranthene

Concen: 34.873 ng

RT: 12.72 min Scan# 1807

Delta R.T. -0.00 min

Lab File: BF104192.D

Acq: 3 Apr 2018 21:04

Instrument :

BNA_F

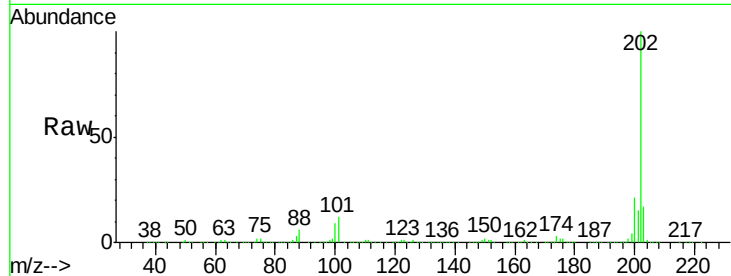
ClientSampleId :

6-WM-DIP-8-EW(1-5)

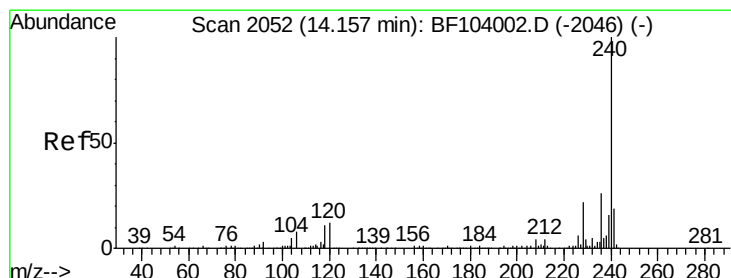
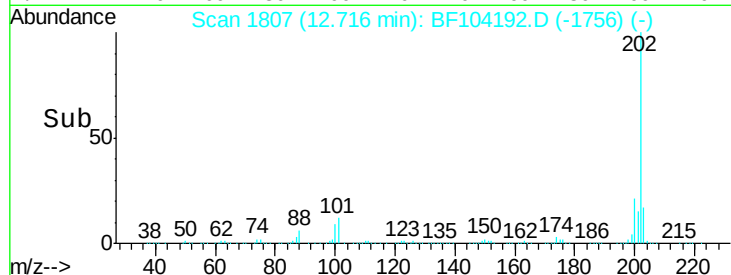
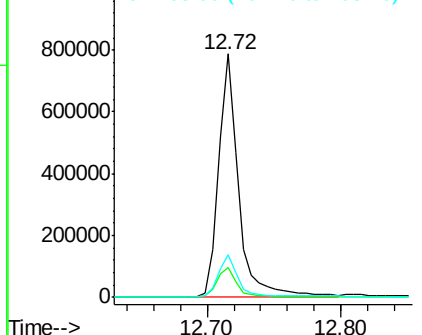
Tot Ion	Ion	Ratio	Resp	Lower	Upper
202	100		838123		
101	12.5	0.0	34.1		
203	17.4	0.0	38.1		

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

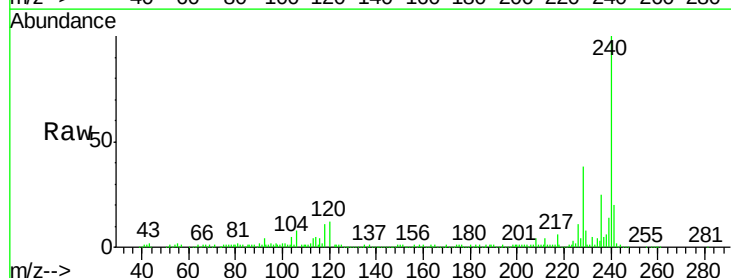
RT: 14.15 min Scan# 2051

Delta R.T. -0.01 min

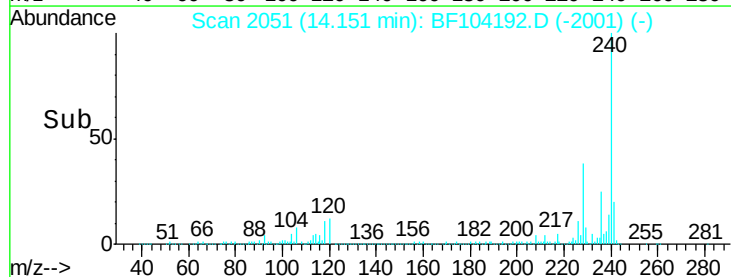
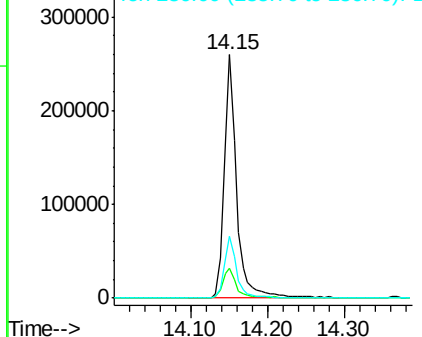
Lab File: BF104192.D

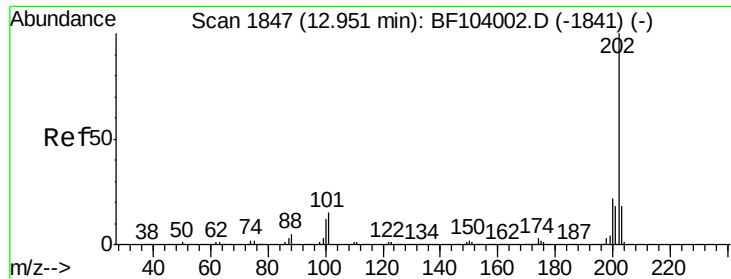
Acq: 3 Apr 2018 21:04

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
240	100		292891		
120	12.5	9.5	14.3		
236	25.4	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





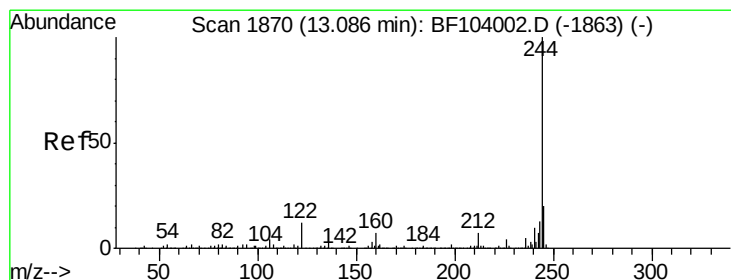
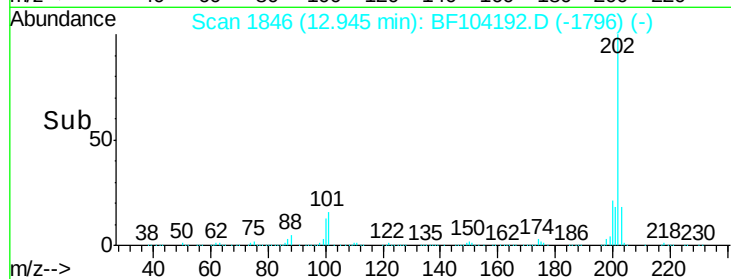
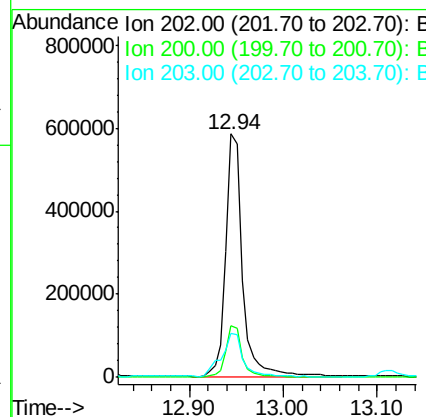
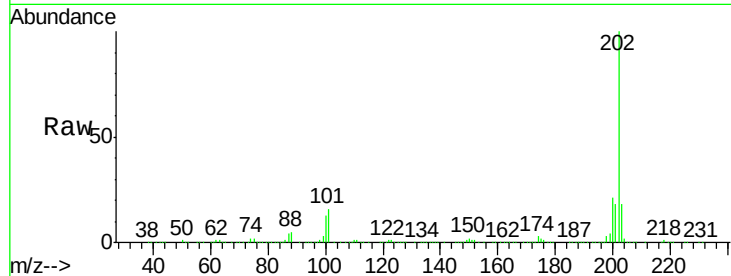
#77
Pvrene
Concen: 34.549 ng
RT: 12.94 min Scan# 1846
Delta R.T. -0.01 min
Lab File: BF104192.D
Acq: 3 Apr 2018 21:04

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-8-EW(1-5)

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.2	17.4	26.2
203	18.3	14.3	21.5

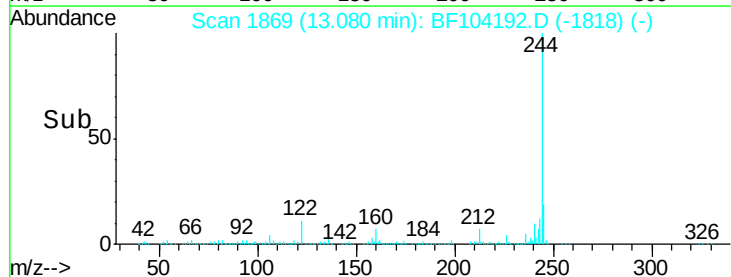
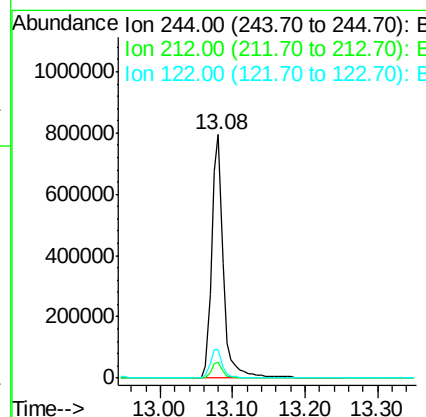
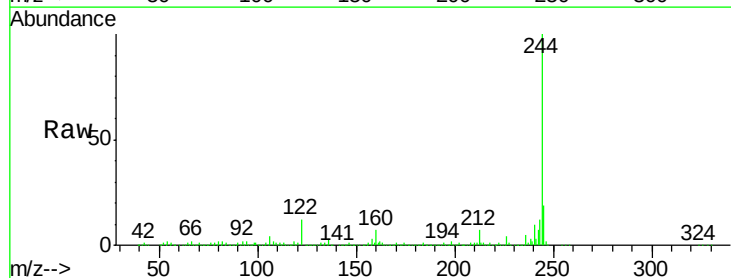
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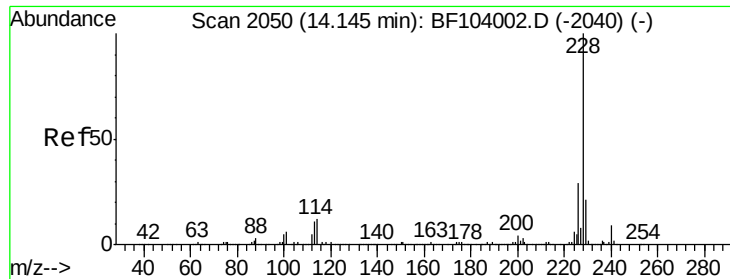
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#78
Terphenyl-d14
Concen: 70.302 ng
RT: 13.08 min Scan# 1869
Delta R.T. -0.00 min
Lab File: BF104192.D
Acq: 3 Apr 2018 21:04

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	11.5	11.0	16.4





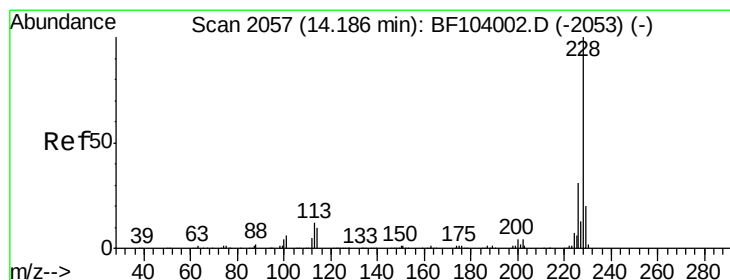
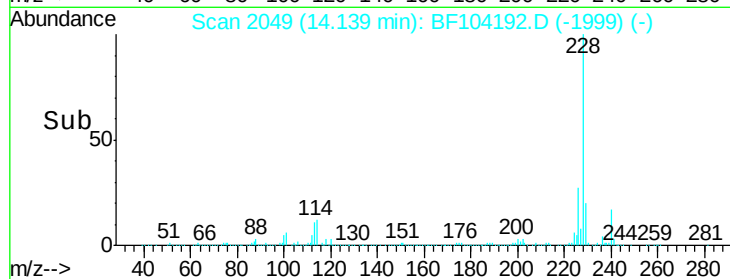
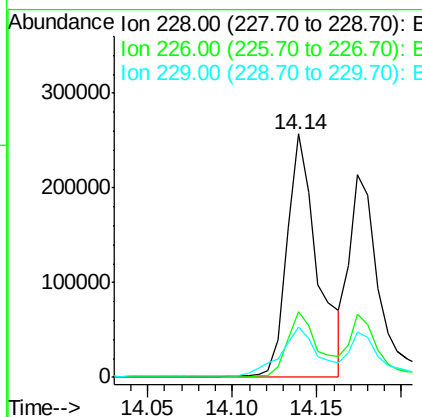
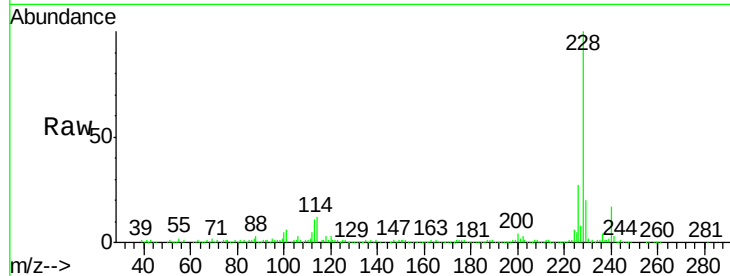
#80
Benzo(a)anthracene
Concen: 17.490 ng
RT: 14.14 min Scan# 2049
Delta R.T. -0.01 min
Lab File: BF104192.D
Acq: 3 Apr 2018 21:04

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-8-EW(1-5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	27.1	22.6	33.8
229	20.4	15.8	23.6

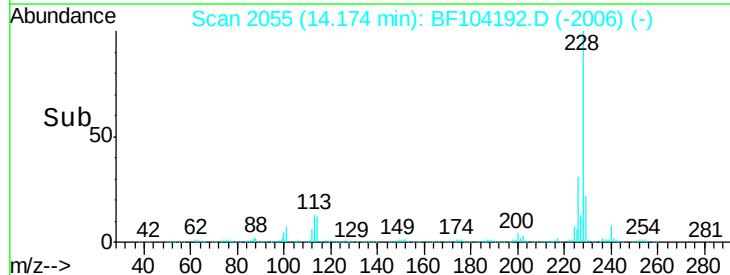
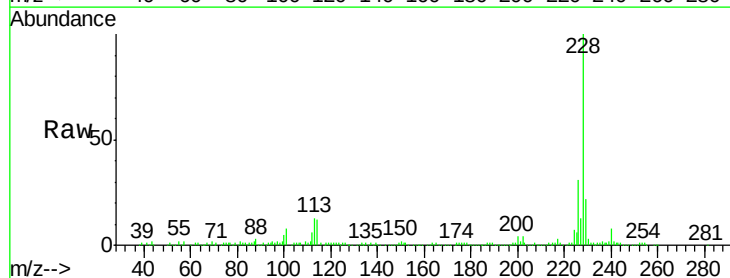
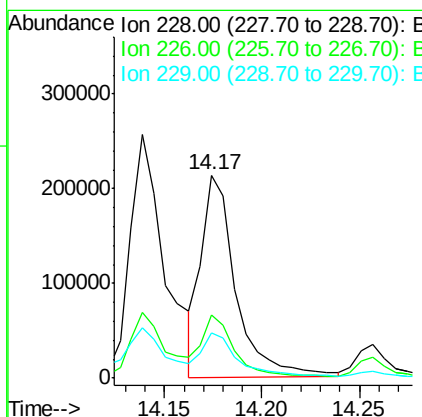
Manual Integrations
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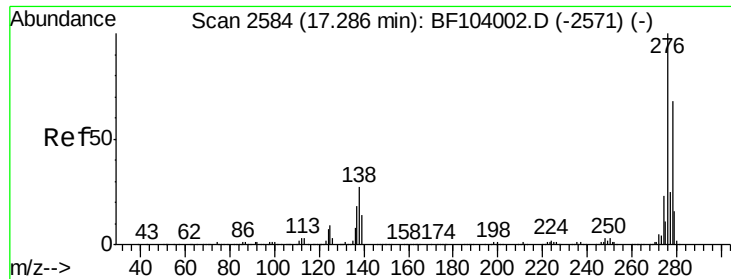
Sohil
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#82
Chrysene
Concen: 14.661 ng
RT: 14.17 min Scan# 2055
Delta R.T. -0.01 min
Lab File: BF104192.D
Acq: 3 Apr 2018 21:04

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.0	37.6
229	22.2	16.2	24.4





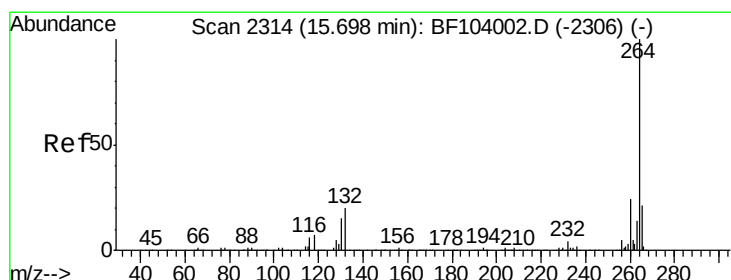
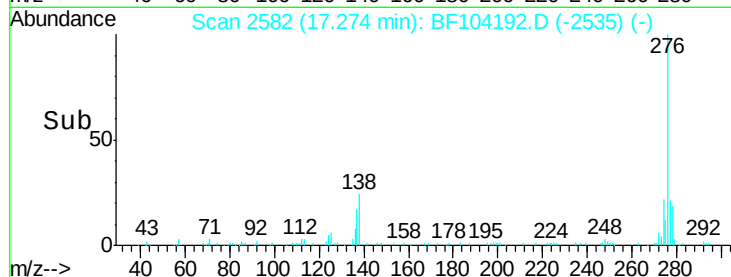
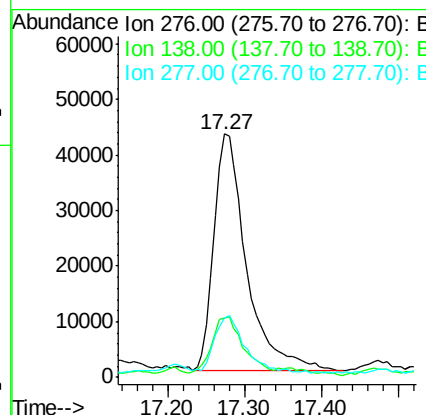
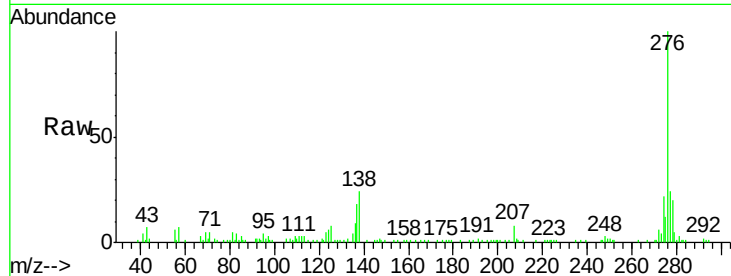
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.727 ng
 RT: 17.27 min Scan# 2582
 Delta R.T. -0.02 min
 Lab File: BF104192.D
 Acq: 3 Apr 2018 21:04

Instrument :
 BNA_F
 ClientSampleId :
 6-WM-DIP-8-EW(1-5)

Tot Ion	Ratio	Lower	Upper
276	100		
138	22.9	25.0	37.6#
277	23.4	20.1	30.1

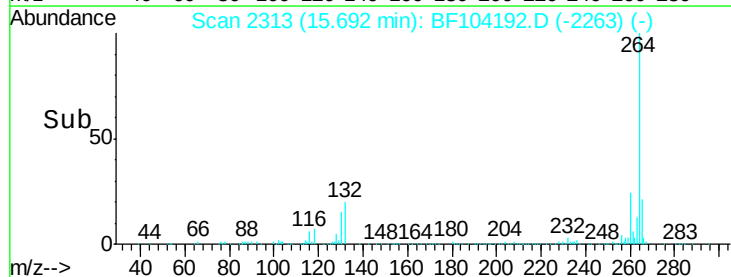
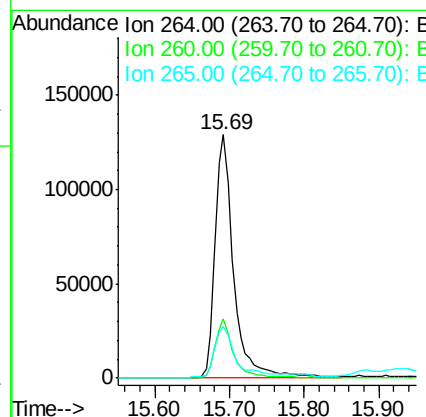
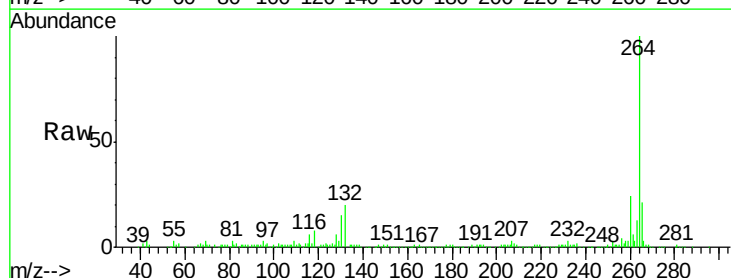
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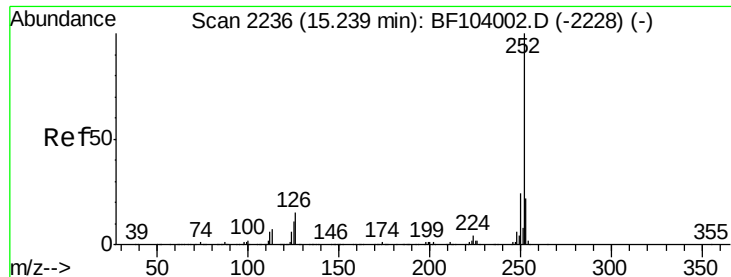
Sohil
 4/4/2018 4:09:51 PM



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2313
 Delta R.T. -0.01 min
 Lab File: BF104192.D
 Acq: 3 Apr 2018 21:04

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.1	17.5	26.3





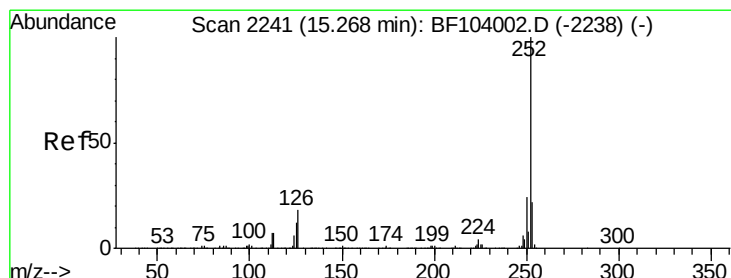
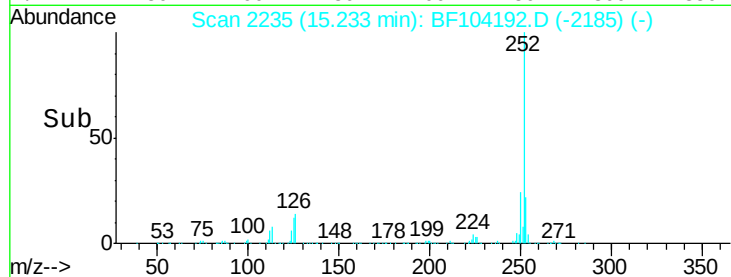
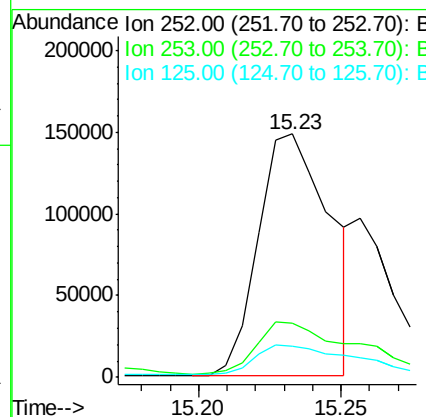
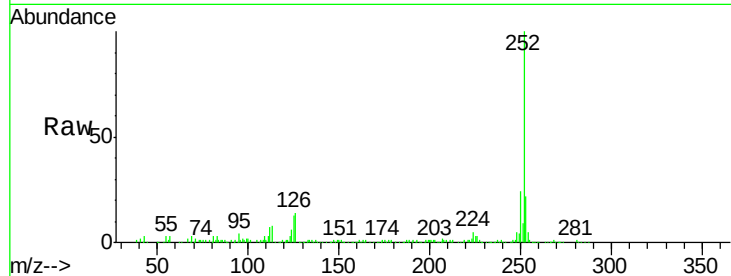
#87
Benzo(b)fluoranthene
Concen: 19.024 ng m
RT: 15.23 min Scan# 2235
Delta R.T. -0.01 min
Lab File: BF104192.D
Acq: 3 Apr 2018 21:04

Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-8-EW(1-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.6
125	12.9	9.0	13.6

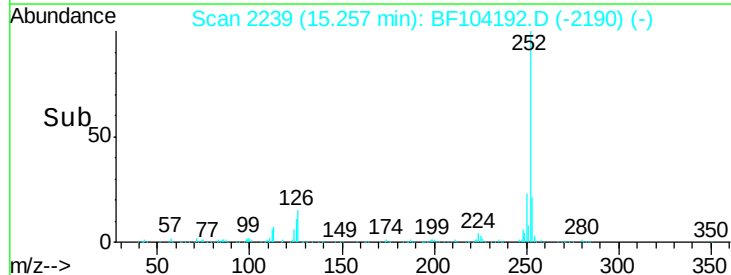
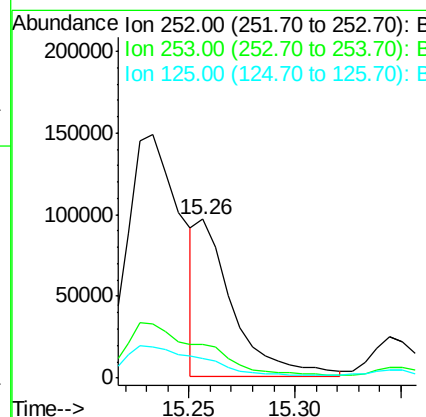
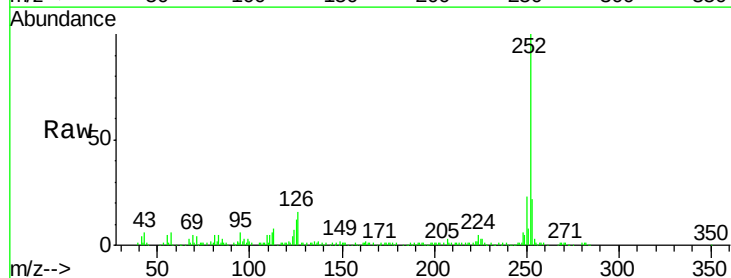
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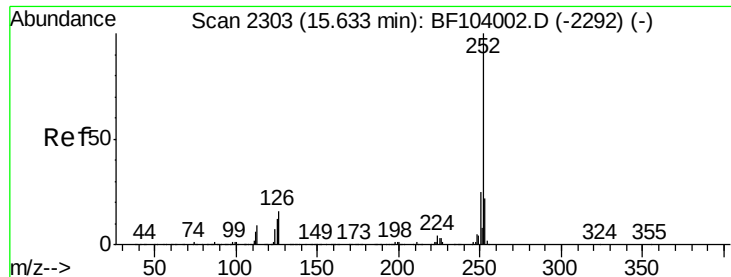
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#88
Benzo(k)fluoranthene
Concen: 8.800 ng m
RT: 15.26 min Scan# 2239
Delta R.T. -0.01 min
Lab File: BF104192.D
Acq: 3 Apr 2018 21:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.9	26.9
125	12.2	10.2	15.2





#89

Benzo(a)pyrene

Concen: 15.556 ng

RT: 15.63 min Scan# 2302

Delta R.T. -0.01 min

Lab File: BF104192.D

Acq: 3 Apr 2018 21:04

Instrument :

BNA_F

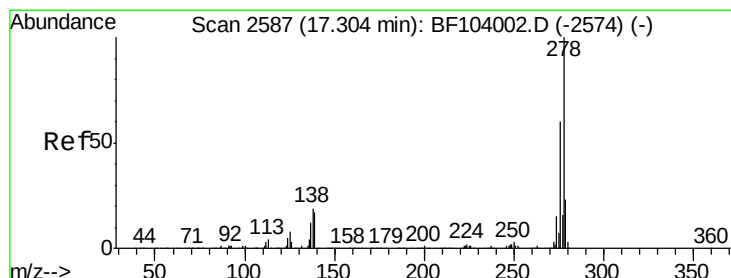
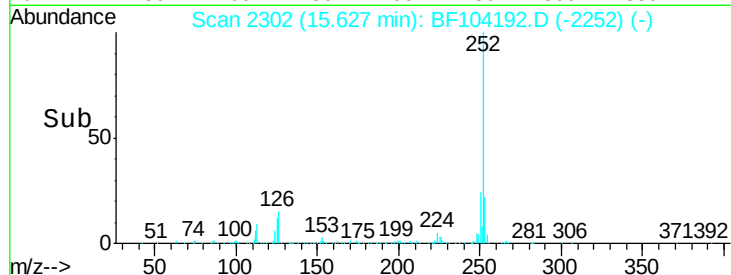
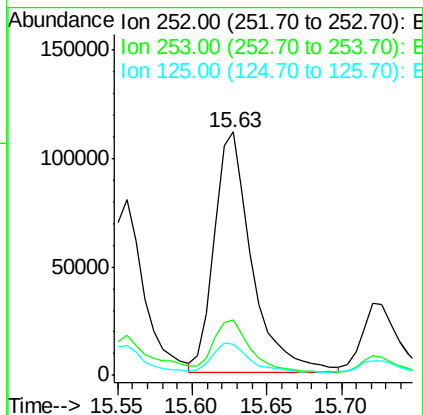
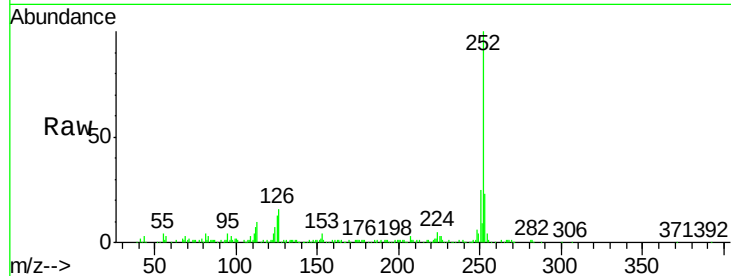
ClientSampleId :

6-WM-DIP-8-EW(1-5)

Tot Ion:	252	Resp:	196462
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.1	25.7
125	13.0	9.8	14.6

Manual Integrations
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#90

Dibenzo(a,h)anthracene

Concen: 2.205 ng m

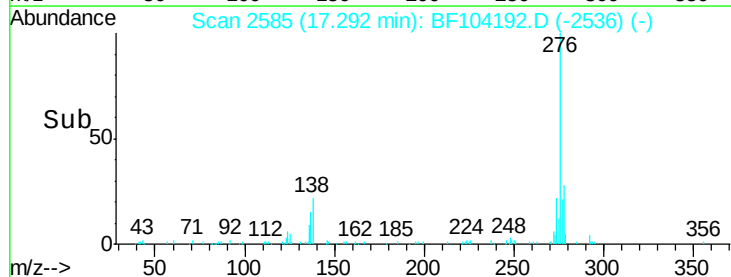
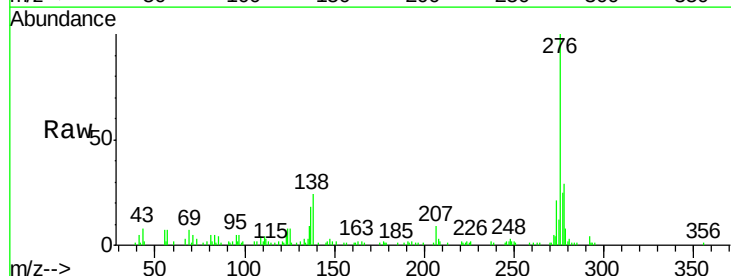
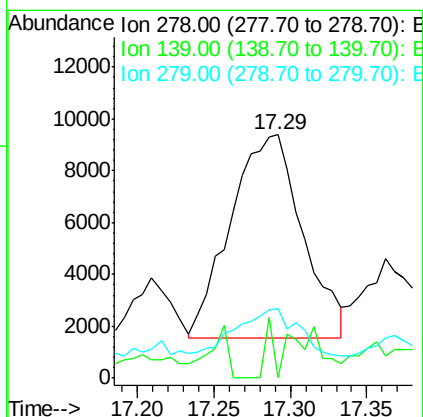
RT: 17.29 min Scan# 2585

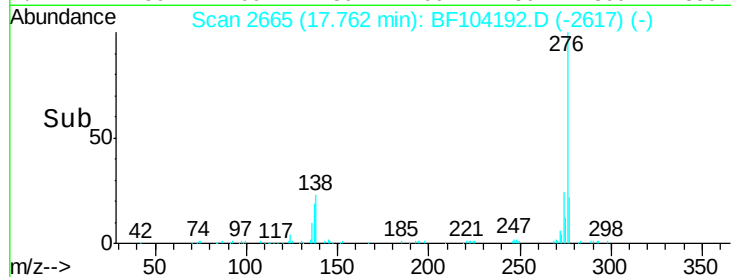
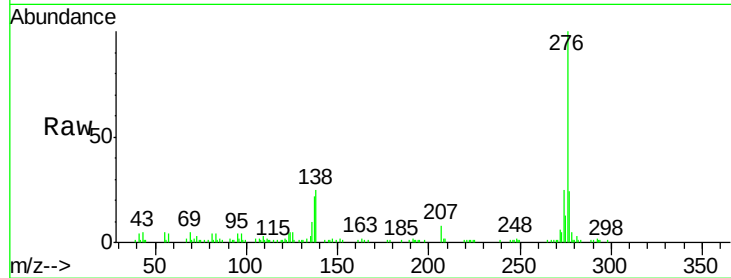
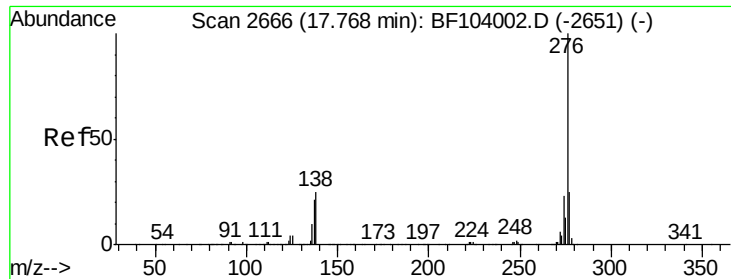
Delta R.T. -0.01 min

Lab File: BF104192.D

Acq: 3 Apr 2018 21:04

Tgt Ion:	278	Resp:	25747
Ion Ratio	Lower	Upper	
278	100		
139	0.0	15.9	23.9#
279	28.8	19.0	28.4#





#91

Benzo(a,h,i)perylene

Concen: 10.227 ng

RT: 17.76 min Scan# 2665

Delta R.T. -0.02 min

Lab File: BF104192.D

Acq: 3 Apr 2018 21:04

Instrument :

BNA_F

ClientSampleId :

6-WM-DIP-8-EW(1-5)

Tot Ion:	276	Resp:	119610
Ion Ratio	Lower	Upper	
276	100		
277	24.4	17.9	26.9
138	25.4	21.8	32.8

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