

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
 Data File : BF104193.D
 Acq On : 3 Apr 2018 21:30
 Operator : JU/SJ
 Sample : J2182-19
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

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

Manual Integrations
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Sohil
 4/4/2018 4:09:54 PM

Quant Time: Apr 04 01:41:09 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	112358	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	490780	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	230404	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	411721	20.00	ng	0.00
75) Chrysene-d12	14.16	240	242087	20.00	ng	0.00
86) Perylene-d12	15.71	264	232843	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.59	112	608361	86.35	ng	0.00
7) Phenol-d6	6.59	99	825080	95.19	ng	0.00
23) Nitrobenzene-d5	7.52	82	488037	60.81	ng	-0.01
41) 2,4,6-Tribromophenol	10.79	330	207024	80.69	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	683384	46.77	ng	0.00
78) Terphenyl-d14	13.08	244	647236	61.73	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.26	128	253062	10.555	ng	99
37) 2-Methylnaphthalene	8.95	142	85765	5.430	ng	99
49) Dimethylphthalate	9.70	163	81142	4.461	ng	99
51) Acenaphthene	10.03	154	174175	12.741	ng	98
54) Dibenzofuran	10.20	168	170993	8.565	ng	99
57) Fluorene	10.55	166	220046	13.362	ng	97
70) Phenanthrene	11.53	178	1512858	67.869	ng	99
71) Anthracene	11.57	178	621733	26.702	ng	98
72) Carbazole	11.73	167	259363	11.671	ng	99
74) Fluoranthene	12.73	202	1791286	75.600	ng	97
77) Pyrene	12.96	202	1538271	88.393	ng	99
80) Benzo(a)anthracene	14.14	228	754601	49.816	ng	98
82) Chrysene	14.19	228	636145	42.877	ng	96
85) Indeno(1,2,3-cd)pyrene	17.30	276	381702	24.827	ng	# 90
87) Benzo(b)fluoranthene	15.24	252	659983m	46.574	ng	
88) Benzo(k)fluoranthene	15.27	252	313281m	23.469	ng	
89) Benzo(a)pyrene	15.64	252	538614	41.016	ng	96
90) Dibenzo(a,h)anthracene	17.30	278	76020	6.261	ng	# 74
91) Benzo(a,h,i)perylene	17.79	276	359997	29.603	ng	94

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

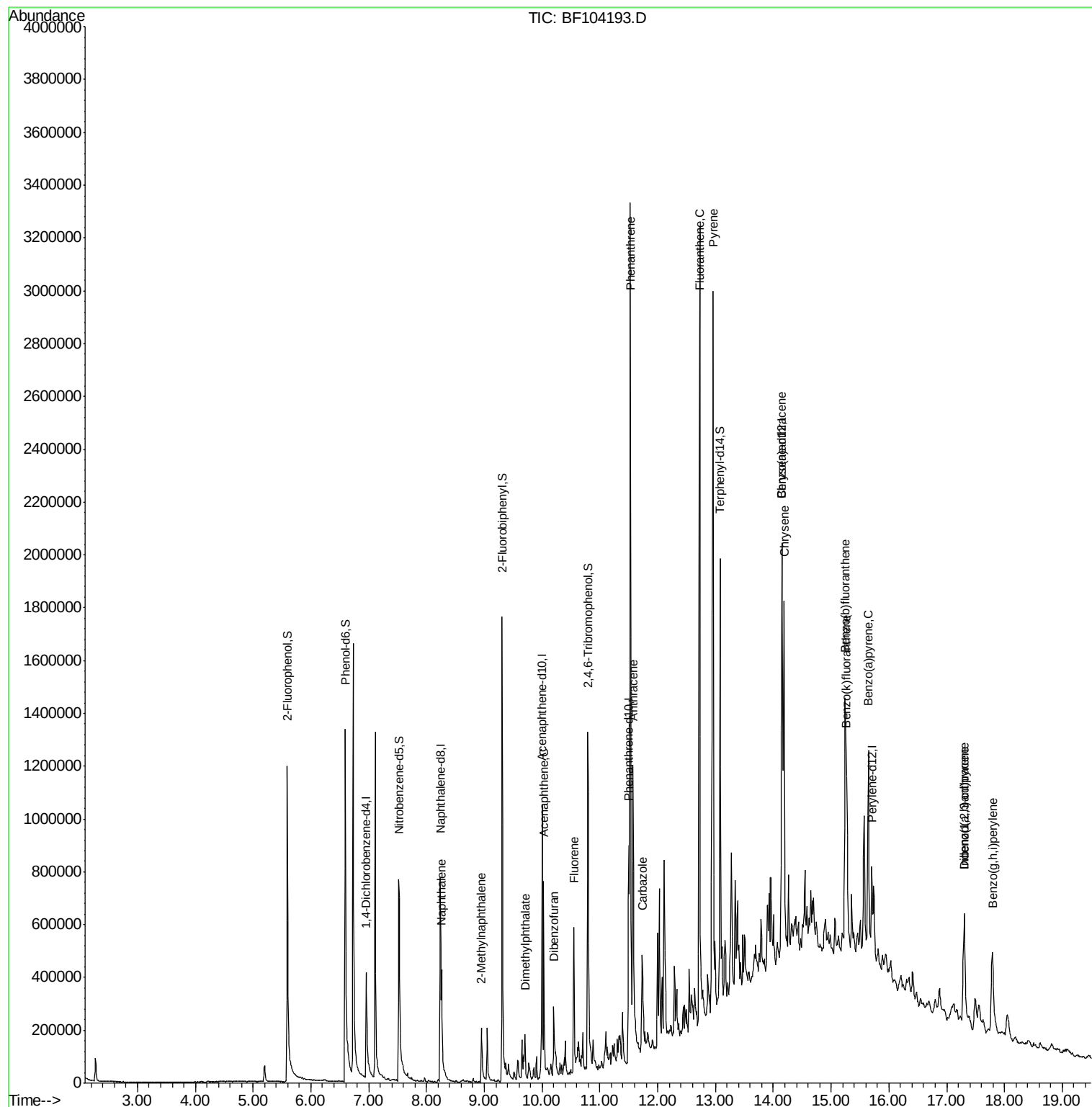
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040318\
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Acq On : 3 Apr 2018 21:30
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ALS Vial : 10 Sample Multiplier: 1

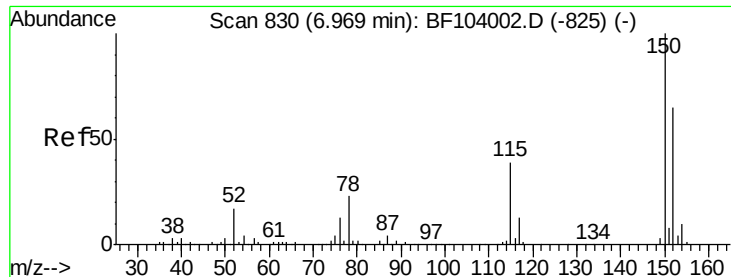
Instrument :
BNA_F
ClientSampleId :
6-WM-DIP-8-WW(1-5)

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#1

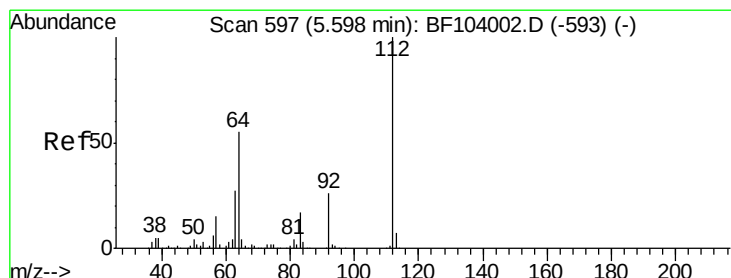
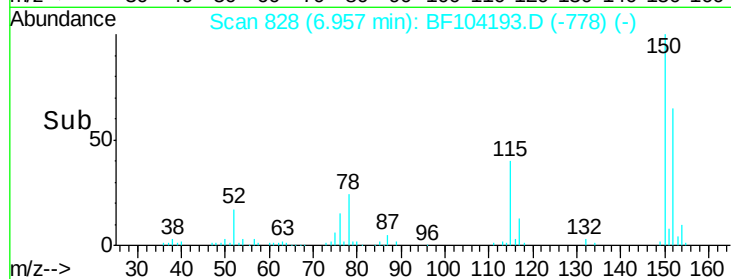
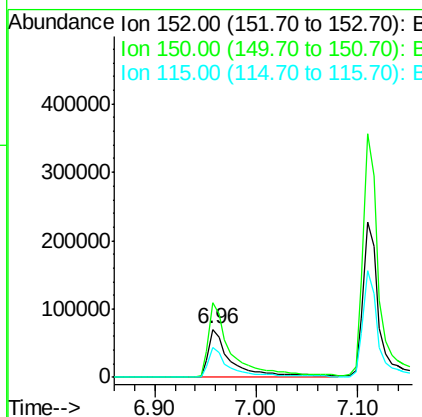
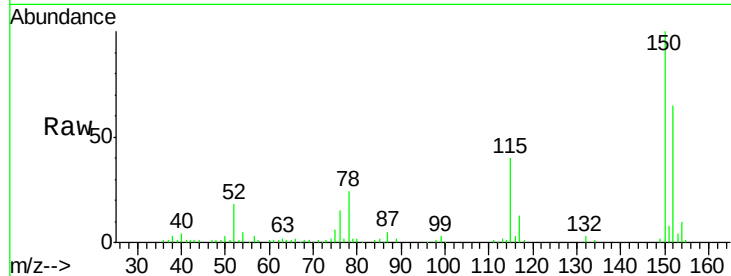
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 828
Delta R.T. -0.01 min
Lab File: BF104193.D
Acq: 3 Apr 2018 21:30

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

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.7	124.6	186.8
115	62.6	50.1	75.1

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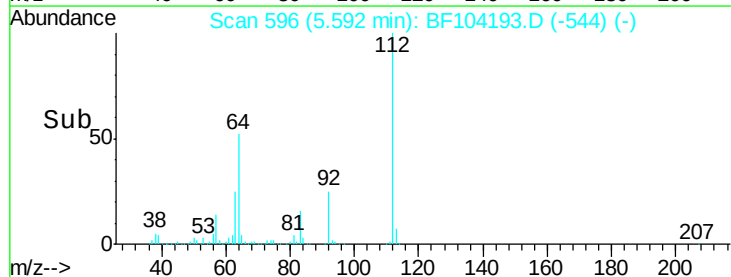
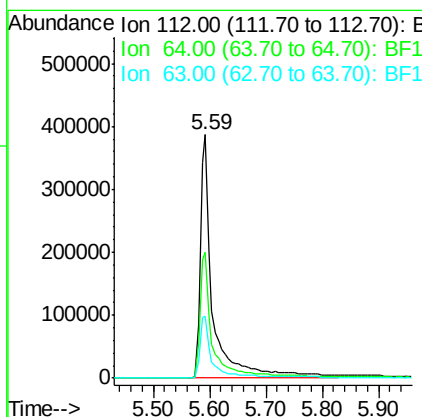
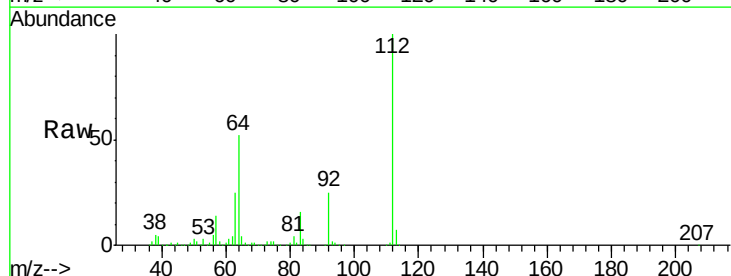
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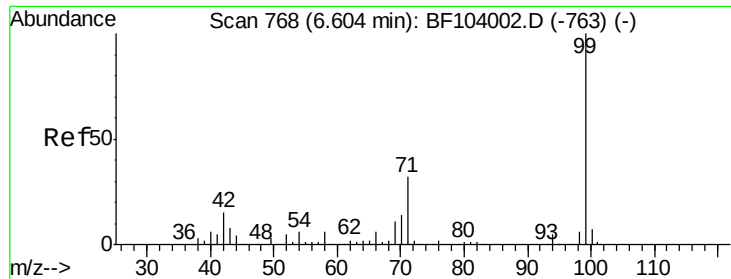


#5

2-Fluorophenol
Concen: 86.347 ng
RT: 5.59 min Scan# 596
Delta R.T. 0.01 min
Lab File: BF104193.D
Acq: 3 Apr 2018 21:30

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.5	47.9	71.9
63	25.4	23.7	35.5





#7

Phenol-d6

Concen: 95.186 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF104193.D

Acq: 3 Apr 2018 21:30

Instrument :

BNA_F

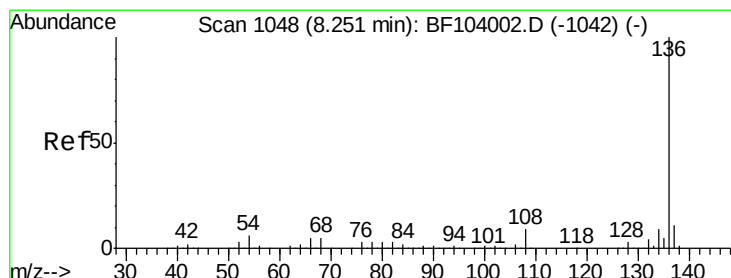
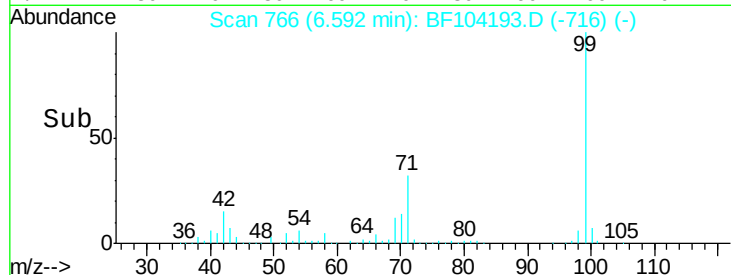
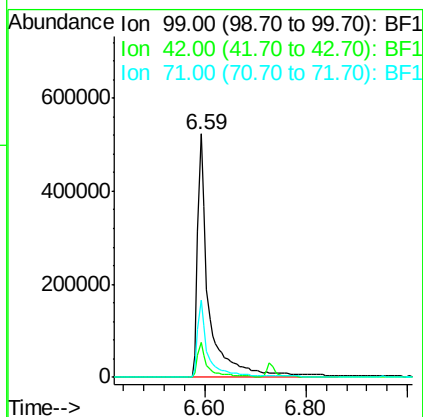
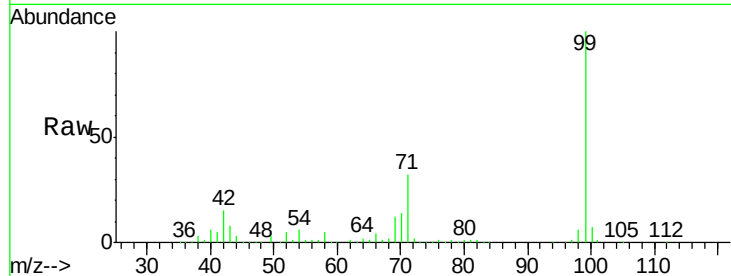
ClientSampleId :

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

Tot Ion:	99	Resp:	825080
Ion Ratio	Lower	Upper	
99	100		
42	14.6	14.5	21.7
71	31.6	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

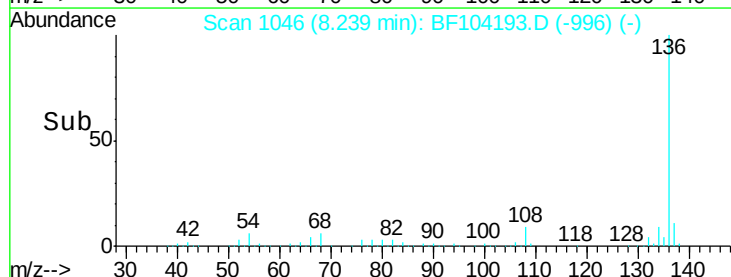
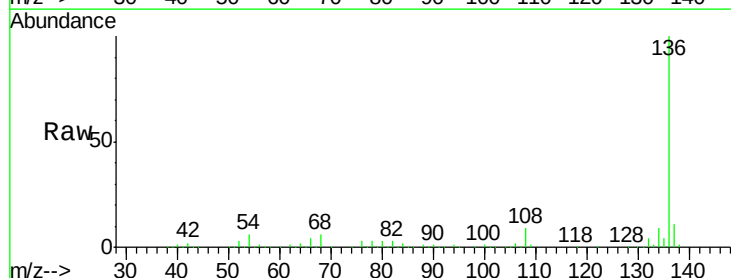
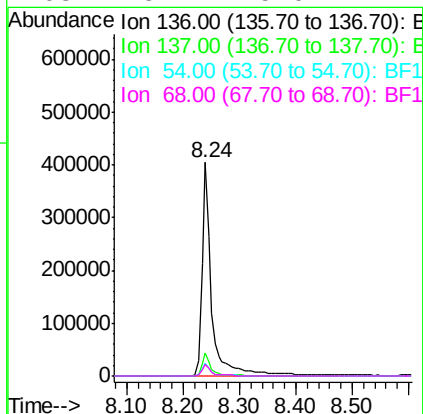
RT: 8.24 min Scan# 1046

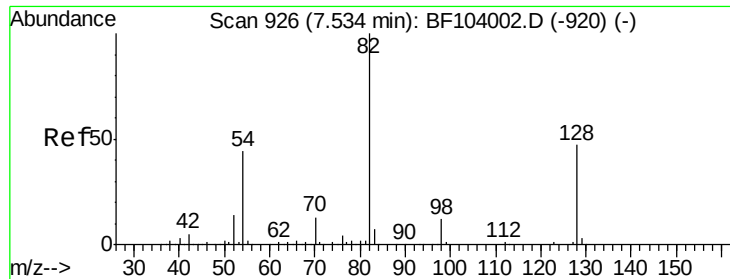
Delta R.T. -0.01 min

Lab File: BF104193.D

Acq: 3 Apr 2018 21:30

Tgt Ion:	136	Resp:	490780
Ion Ratio	Lower	Upper	
136	100		
137	10.6	8.9	13.3
54	6.3	6.6	9.8
68	5.7	5.0	7.4





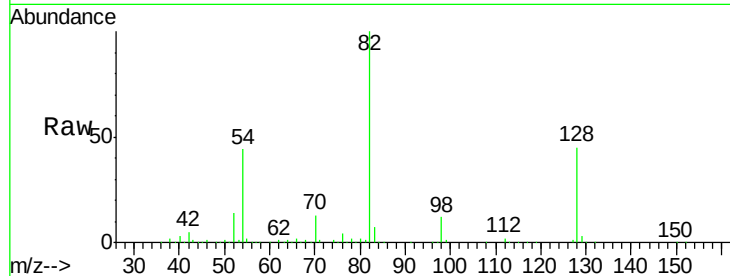
#23
 Nitrobenzene-d5
 Concen: 60.814 ng
 RT: 7.52 min Scan# 924
 Delta R.T. -0.01 min
 Lab File: BF104193.D
 Acq: 3 Apr 2018 21:30

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

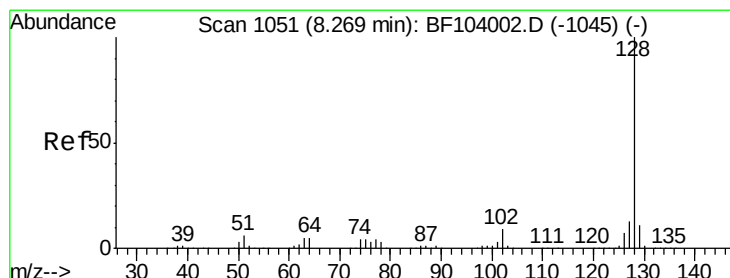
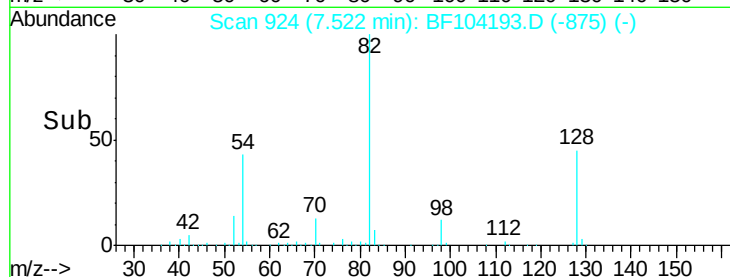
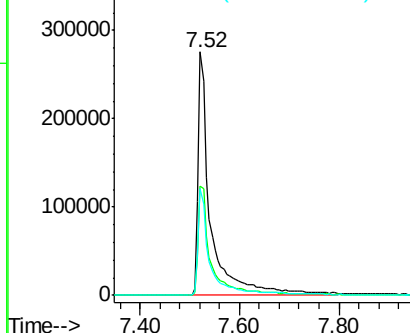
Tot Ion	Ratio	Lower	Upper
82	100		
128	45.0	36.1	54.1
54	43.6	41.4	62.2

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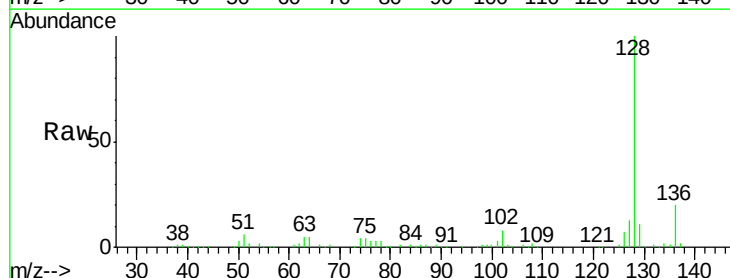


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF1

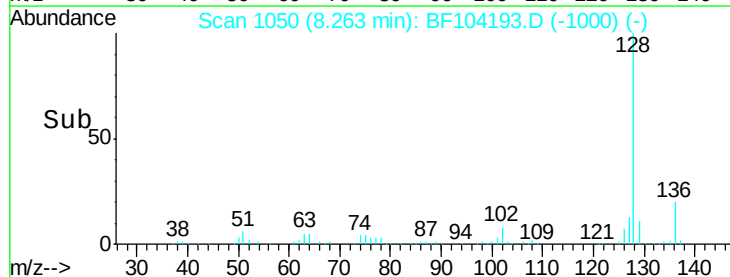
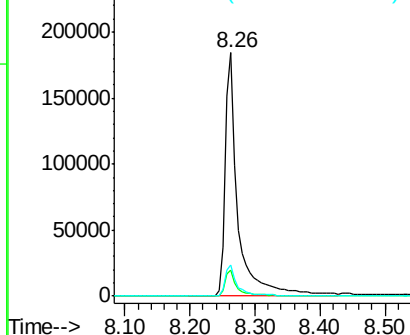


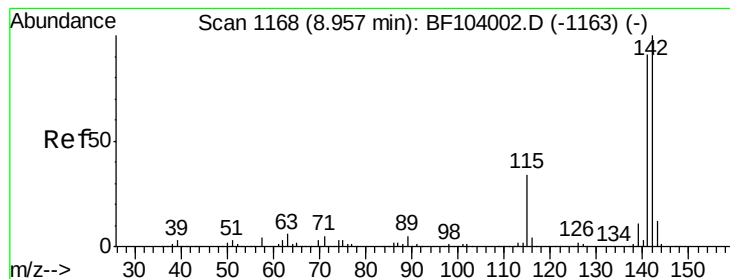
#31
 Naphthalene
 Concen: 10.555 ng
 RT: 8.26 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: BF104193.D
 Acq: 3 Apr 2018 21:30

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.8	13.2
127	13.0	10.9	16.3



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E





#37

2-Methylnaphthalene

Concen: 5.430 ng

RT: 8.95 min Scan# 1167

Delta R.T. -0.01 min

Lab File: BF104193.D

Acq: 3 Apr 2018 21:30

Instrument :

BNA_F

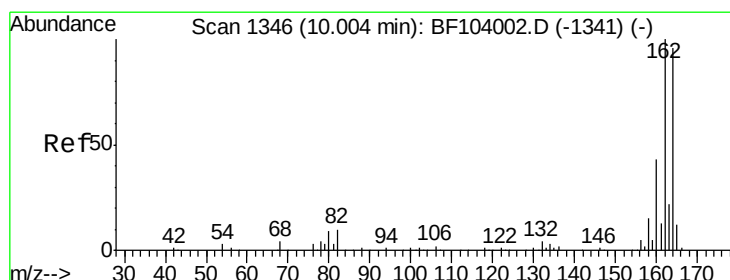
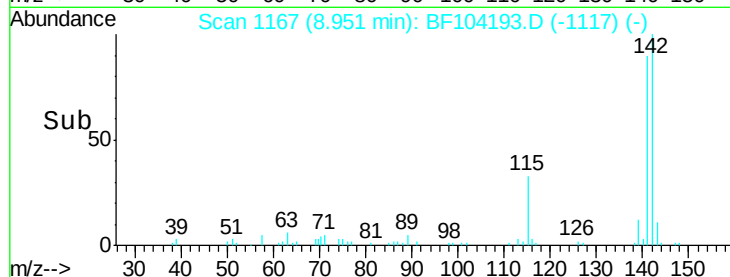
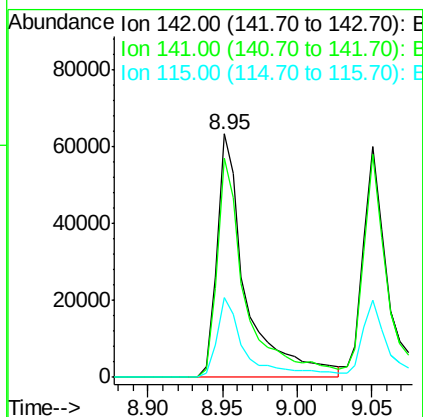
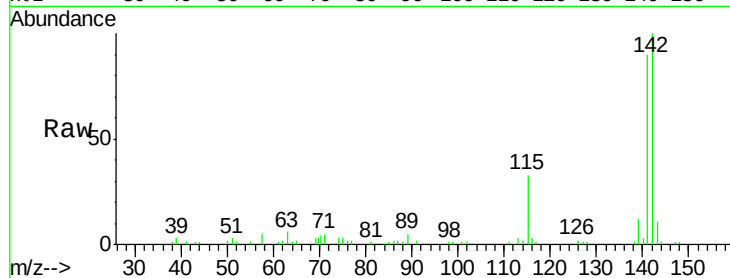
ClientSampleId :

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

Tot Ion:	142	Resp:	85765
Ion Ratio	Lower	Upper	
142	100		
141	89.8	70.8	106.2
115	33.0	26.1	39.1

Manual Integrations
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#38

Acenaphthene-d10

Concen: 20.000 ng

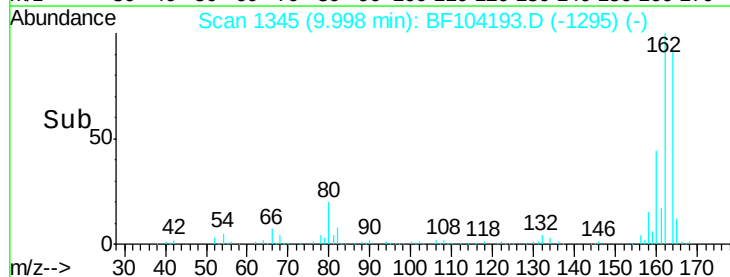
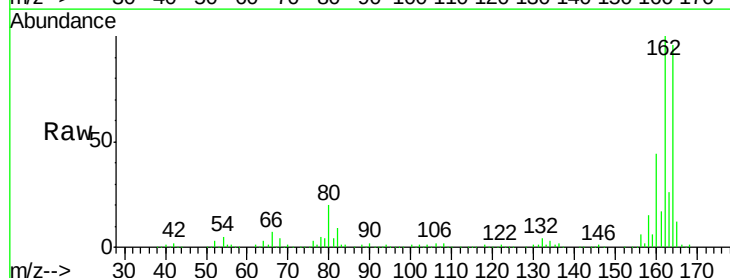
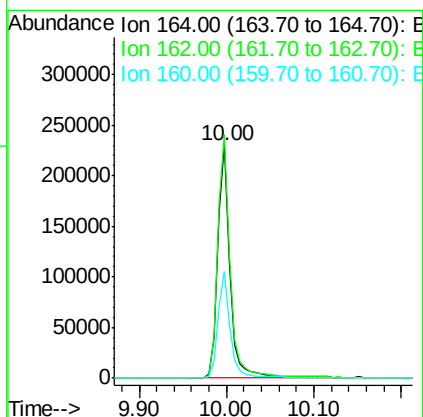
RT: 10.00 min Scan# 1345

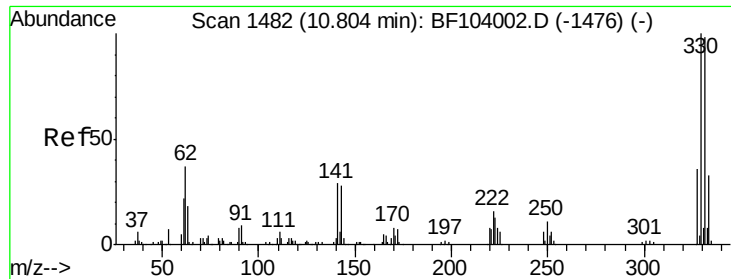
Delta R.T. -0.01 min

Lab File: BF104193.D

Acq: 3 Apr 2018 21:30

Tgt Ion:	164	Resp:	230404
Ion Ratio	Lower	Upper	
164	100		
162	104.5	86.1	129.1
160	45.9	38.3	57.5





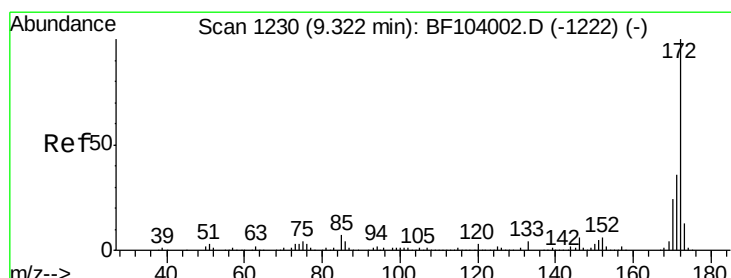
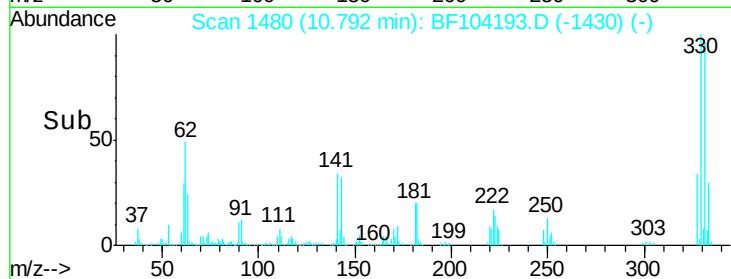
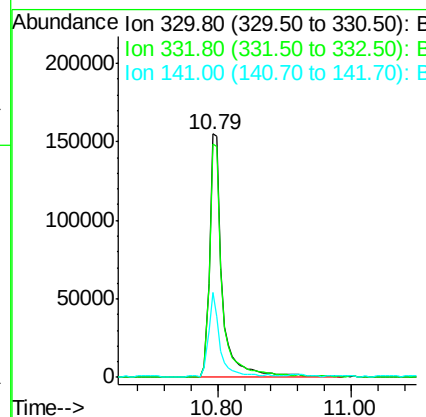
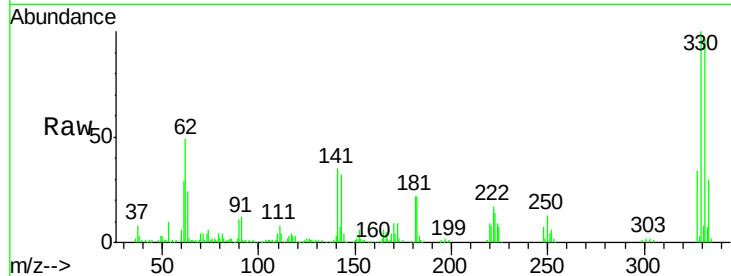
#41
 2,4,6-Tribromophenol
 Concen: 80.694 ng
 RT: 10.79 min Scan# 1480
 Delta R.T. -0.01 min
 Lab File: BF104193.D
 Acq: 3 Apr 2018 21:30

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

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.0	115.6
141	30.0	29.9	44.9

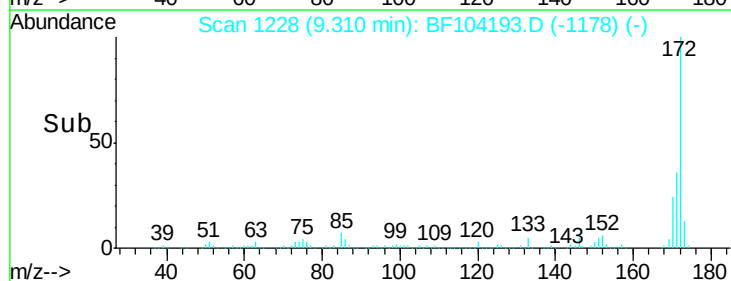
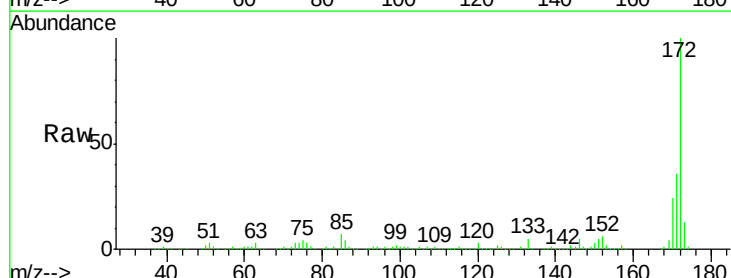
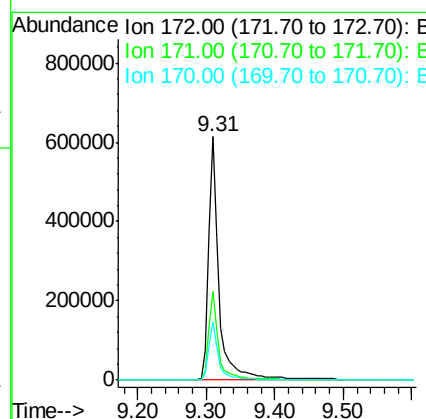
Manual Integrations
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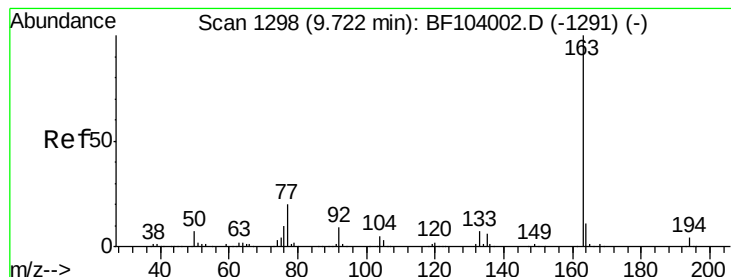
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#44
 2-Fluorobiphenyl
 Concen: 46.772 ng
 RT: 9.31 min Scan# 1228
 Delta R.T. -0.01 min
 Lab File: BF104193.D
 Acq: 3 Apr 2018 21:30

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.0	19.6	29.4





#49

Dimethylphthalate

Concen: 4.461 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.01 min

Lab File: BF104193.D

Acq: 3 Apr 2018 21:30

Instrument :

BNA_F

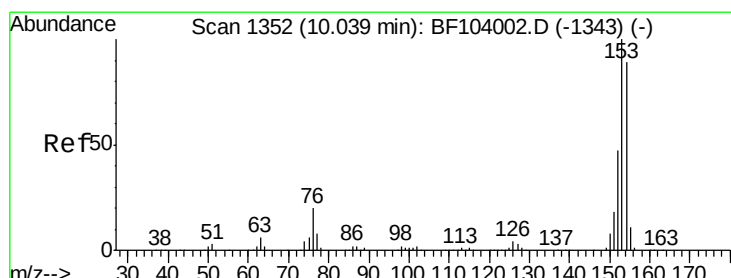
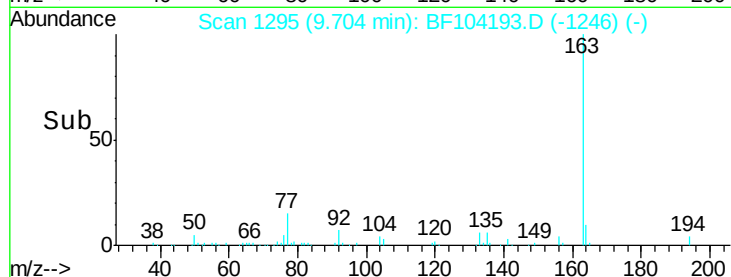
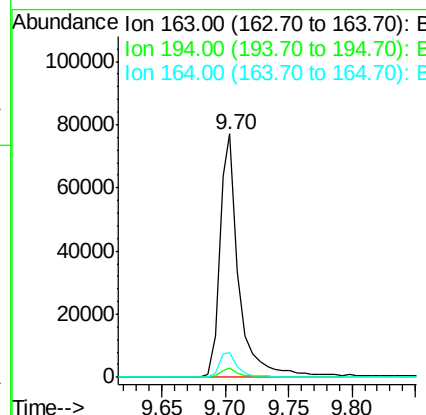
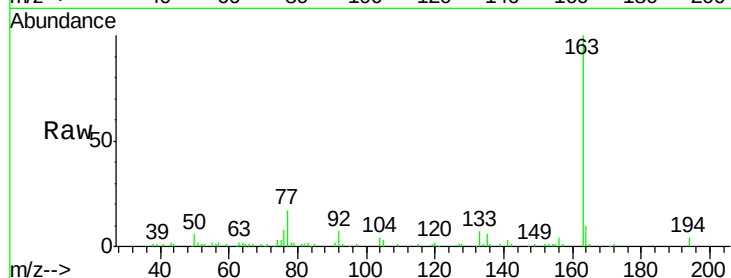
ClientSampleId :

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

Tot Ion:	163	Resp:	81142
Ion Ratio	Lower	Upper	
163	100		
194	3.9	2.7	4.1
164	10.3	8.2	12.2

Manual Integrations
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#51

Acenaphthene

Concen: 12.741 ng

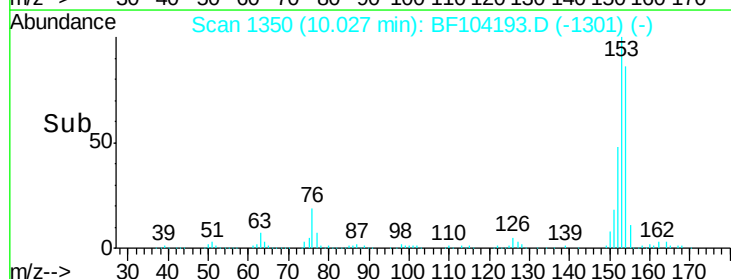
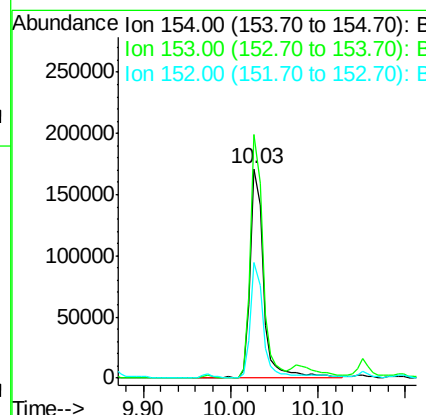
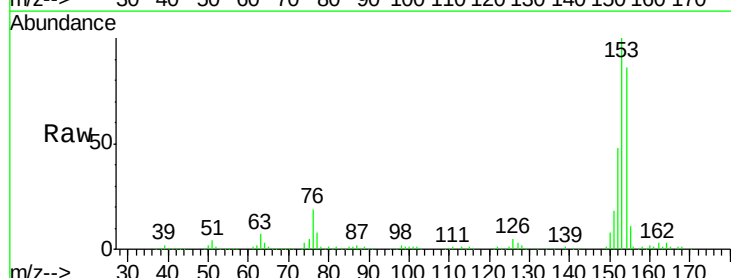
RT: 10.03 min Scan# 1350

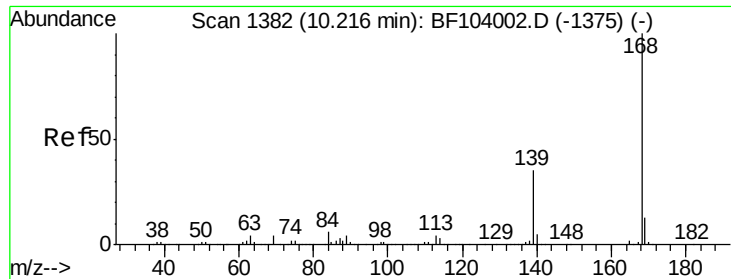
Delta R.T. -0.01 min

Lab File: BF104193.D

Acq: 3 Apr 2018 21:30

Tgt Ion:	154	Resp:	174175
Ion Ratio	Lower	Upper	
154	100		
153	116.2	91.2	136.8
152	55.3	43.8	65.8





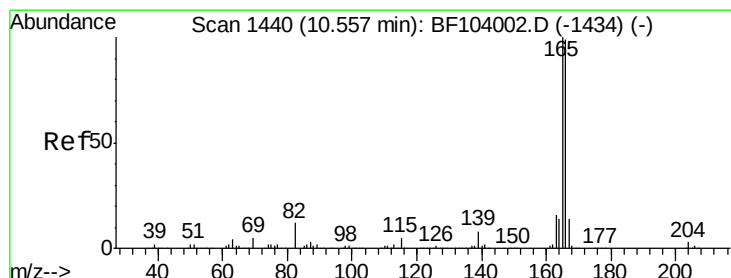
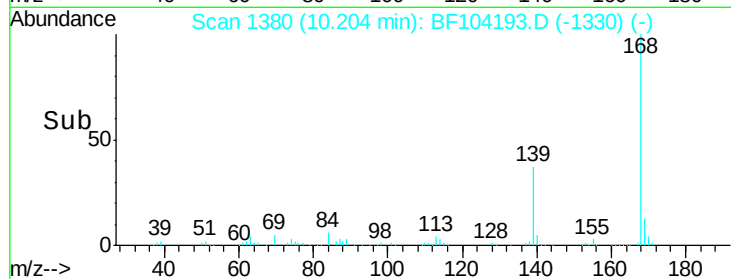
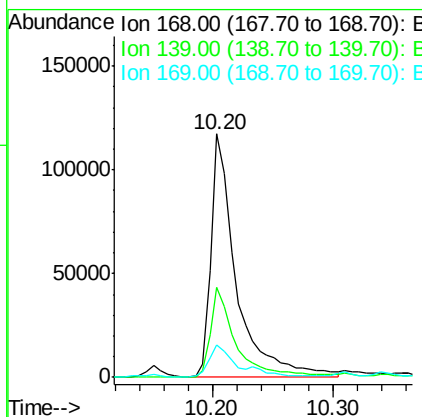
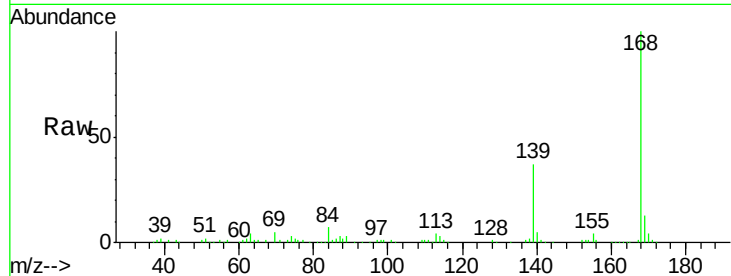
#54
Dibenzenofuran
Concen: 8.565 ng
RT: 10.20 min Scan# 1380
Delta R.T. -0.01 min
Lab File: BF104193.D
Acq: 3 Apr 2018 21:30

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

Tot Ion	Ratio	Lower	Upper
168	100		
139	36.8	30.1	45.1
169	13.3	10.9	16.3

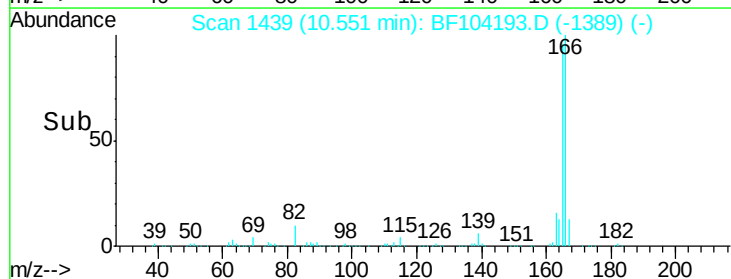
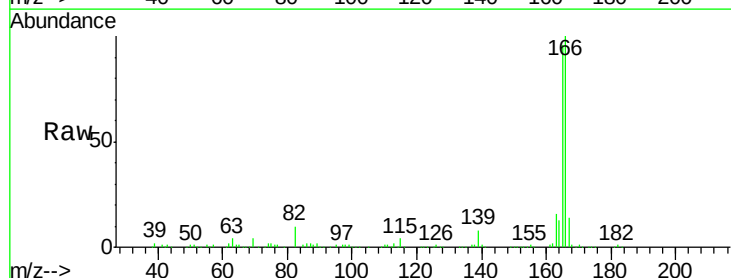
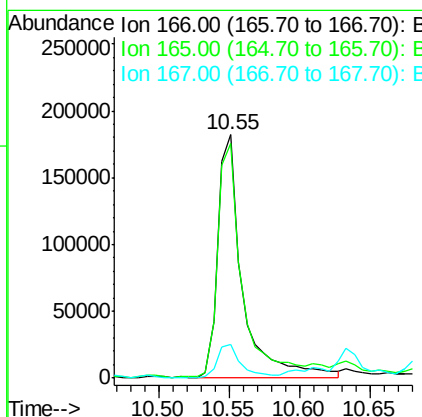
Manual Integrations
APPROVED

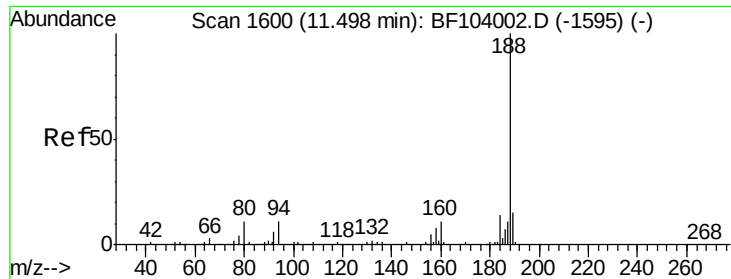
Sohil
4/4/2018 4:09:54 PM



#57
Fluorene
Concen: 13.362 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.01 min
Lab File: BF104193.D
Acq: 3 Apr 2018 21:30

Tgt Ion	Ratio	Lower	Upper
166	100		
165	96.2	79.8	119.8
167	13.6	10.6	16.0





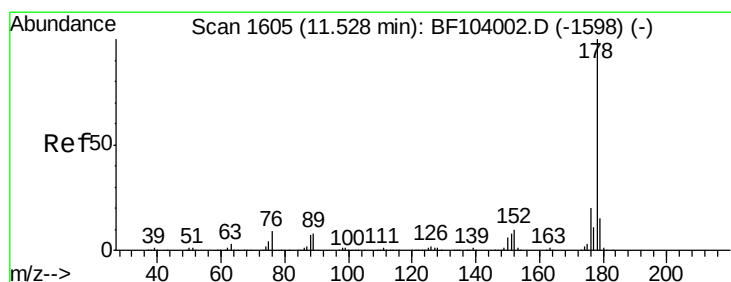
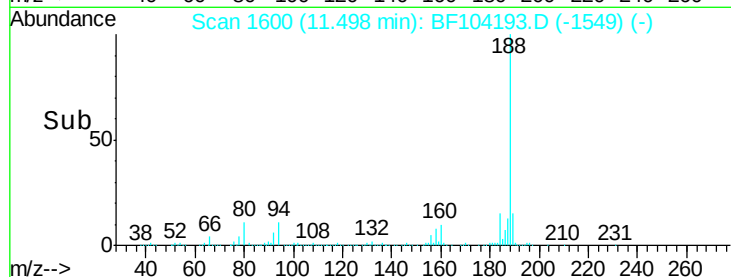
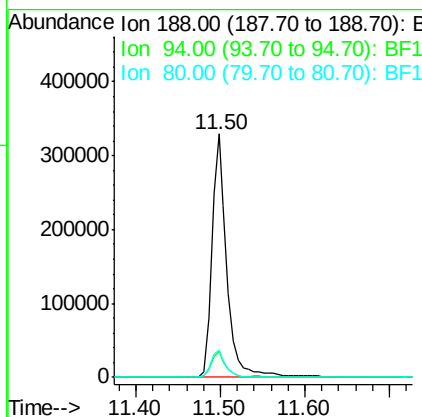
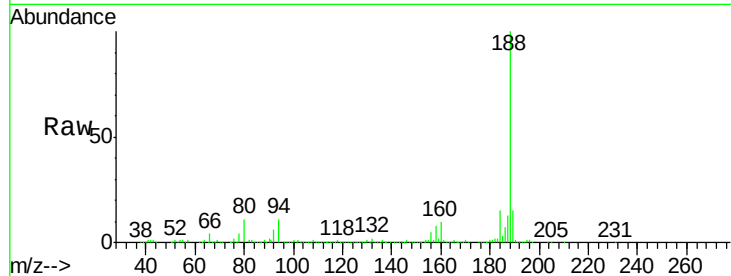
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1600
Delta R.T. -0.00 min
Lab File: BF104193.D
Acq: 3 Apr 2018 21:30

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

Tot Ion	Ion	Ratio	Resp	Lower	Upper
188	100		411721		
94	10.5	8.5	12.7		
80	11.1	9.2	13.8		

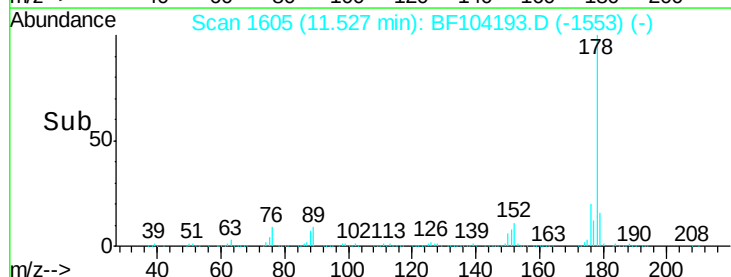
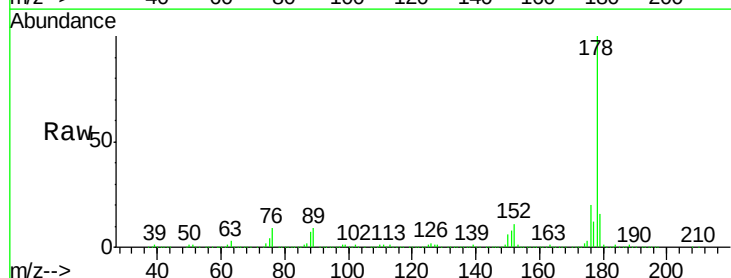
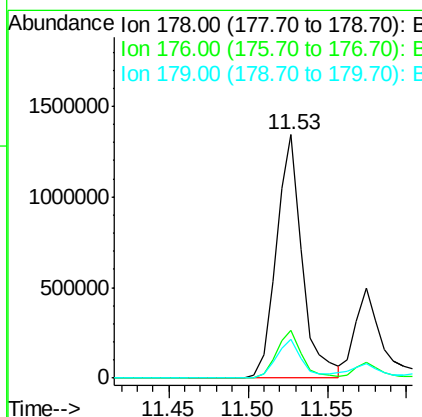
Manual Integrations
APPROVED

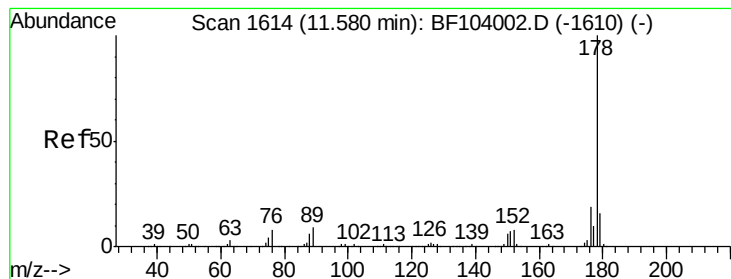
Sohil
4/4/2018 4:09:54 PM



#70
Phenanthrene
Concen: 67.869 ng
RT: 11.53 min Scan# 1605
Delta R.T. 0.01 min
Lab File: BF104193.D
Acq: 3 Apr 2018 21:30

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
178	100		1512858		
176	19.8	15.8	23.8		
179	15.7	13.0	19.6		





#71

Anthracene

Concen: 26.702 ng

RT: 11.57 min Scan# 1613

Delta R.T. -0.00 min

Lab File: BF104193.D

Acq: 3 Apr 2018 21:30

Instrument :

BNA_F

ClientSampleId :

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

Tot Ion:178 Resp: 621733

Ion Ratio Lower Upper

178 100

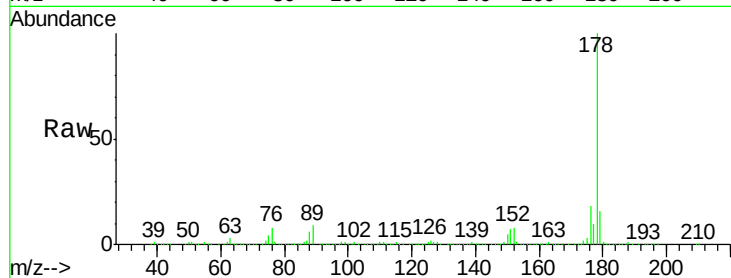
176 18.2 15.4 23.2

179 16.4 12.6 19.0

Manual Integrations
APPROVED

Sohil

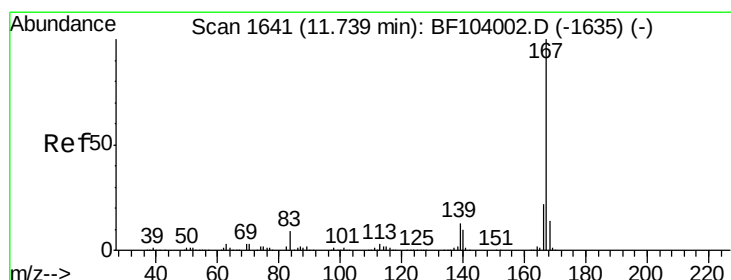
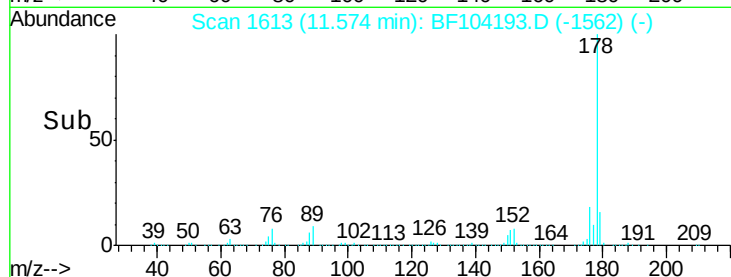
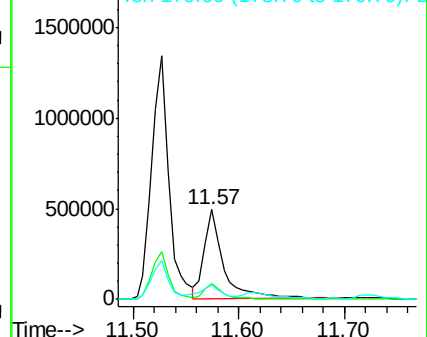
4/4/2018 4:09:54 PM



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Carbazole

Concen: 11.671 ng

RT: 11.73 min Scan# 1640

Delta R.T. -0.00 min

Lab File: BF104193.D

Acq: 3 Apr 2018 21:30

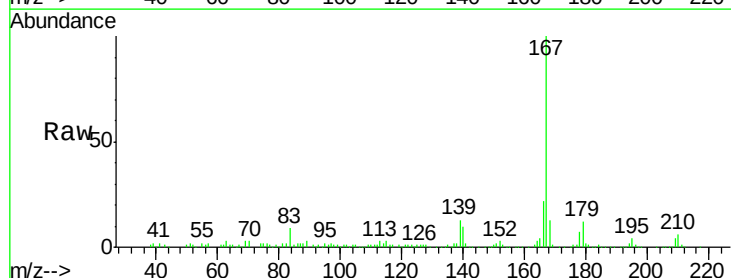
Tgt Ion:167 Resp: 259363

Ion Ratio Lower Upper

167 100

166 22.3 17.6 26.4

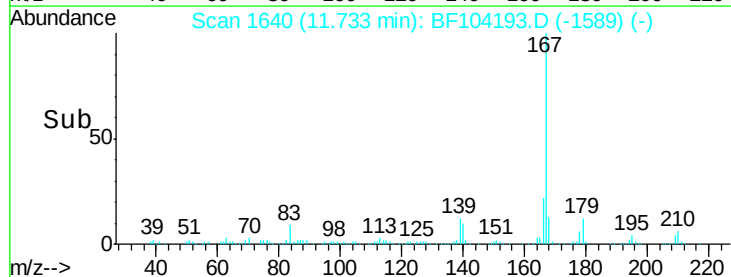
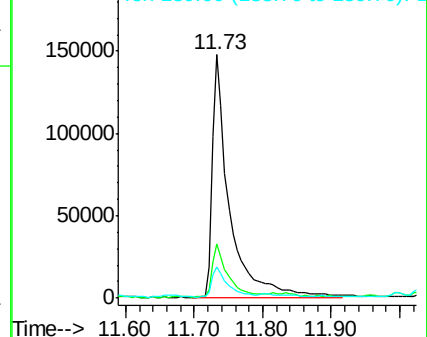
139 12.9 10.9 16.3

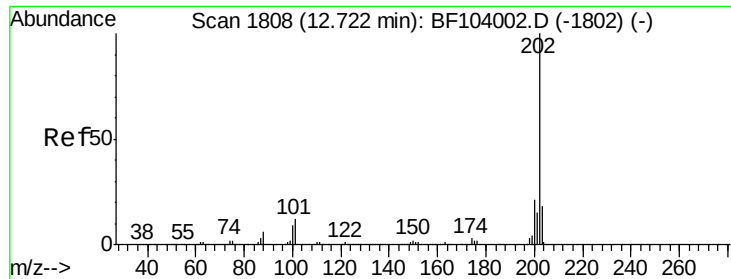


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 75.600 ng

RT: 12.73 min Scan# 1809

Delta R.T. 0.01 min

Lab File: BF104193.D

Acq: 3 Apr 2018 21:30

Instrument :

BNA_F

ClientSampleId :

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

Tot Ion:202 Resp: 1791286

Ion Ratio Lower Upper

202 100

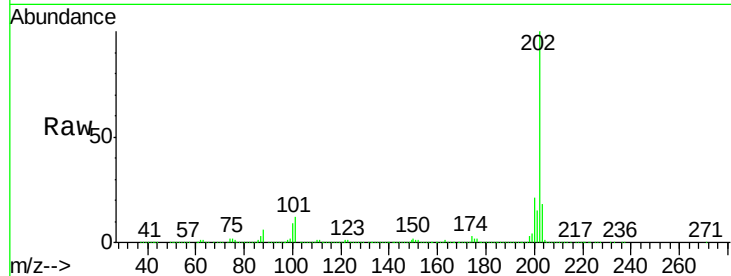
101 12.2 0.0 34.1

203 17.5 0.0 38.1

Manual Integrations
APPROVED

Sohil

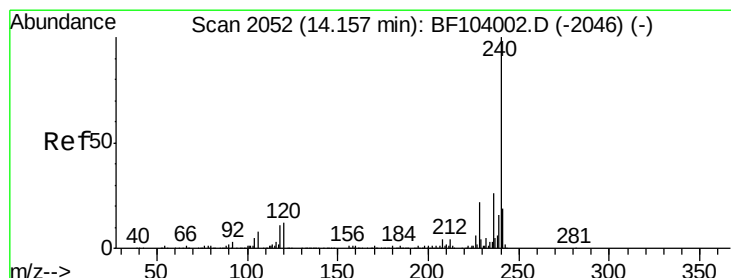
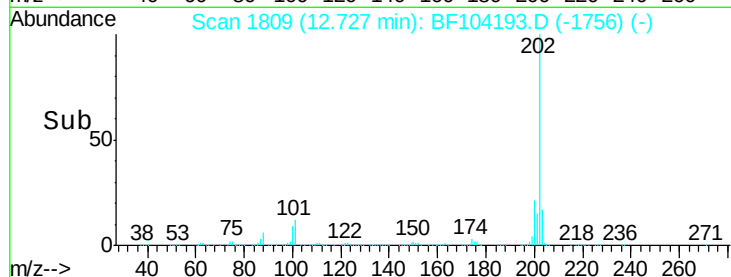
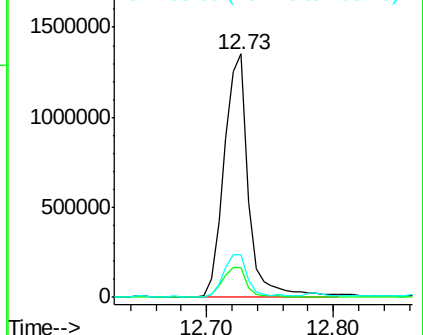
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Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.16 min Scan# 2052

Delta R.T. -0.00 min

Lab File: BF104193.D

Acq: 3 Apr 2018 21:30

Tgt Ion:240 Resp: 242087

Ion Ratio Lower Upper

240 100

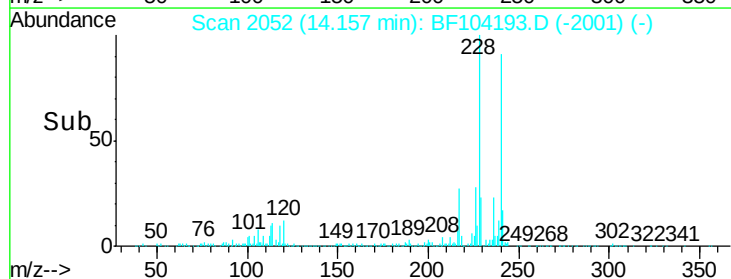
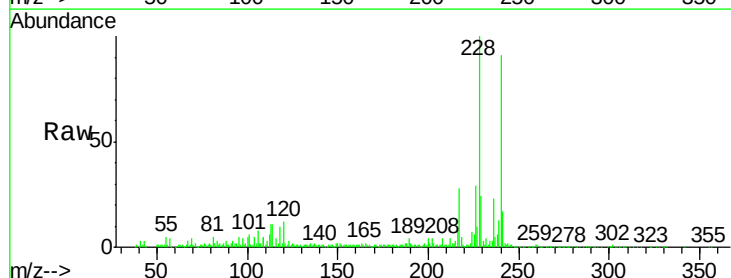
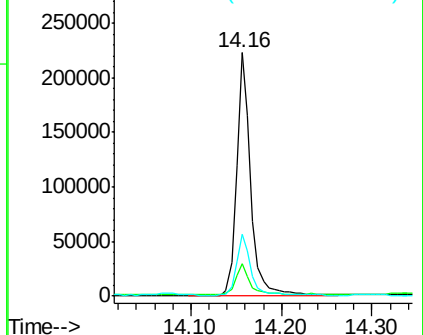
120 13.2 9.5 14.3

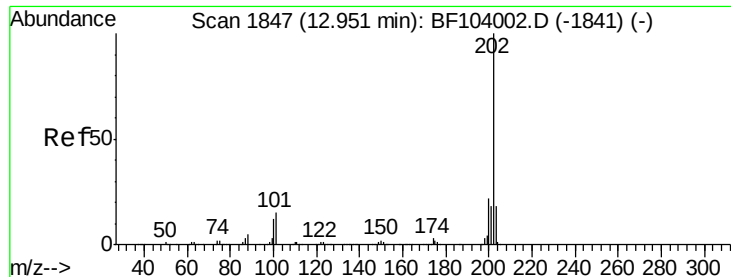
236 25.2 20.7 31.1

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





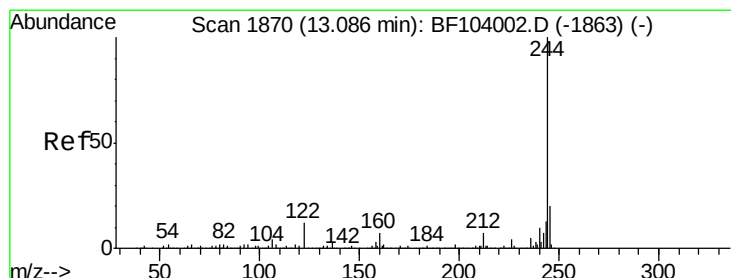
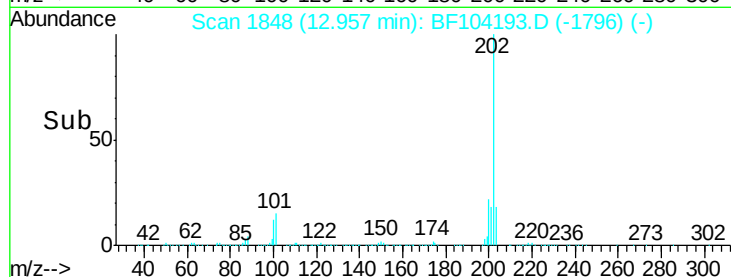
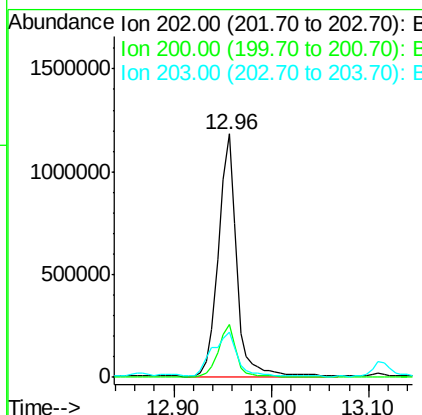
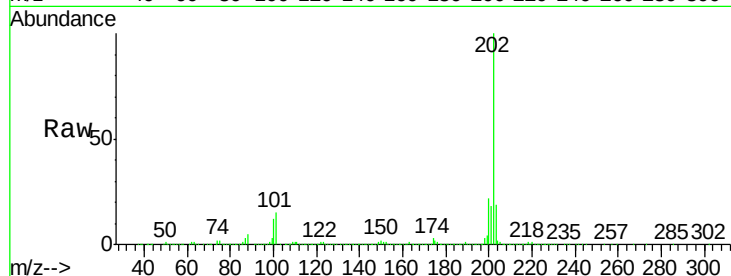
#77
Pvrene
Concen: 88.393 ng
RT: 12.96 min Scan# 1848
Delta R.T. 0.01 min
Lab File: BF104193.D
Acq: 3 Apr 2018 21:30

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

Tot Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.4	26.2
203	18.8	14.3	21.5

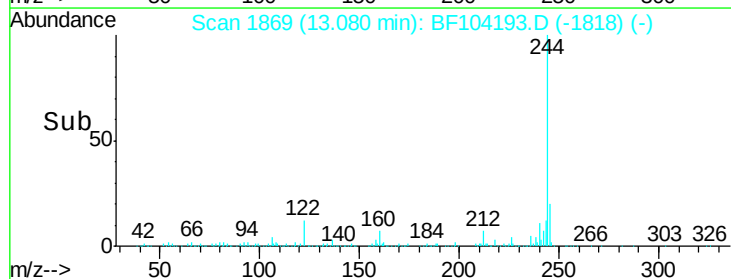
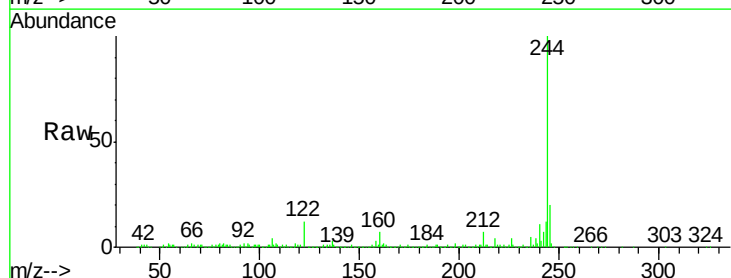
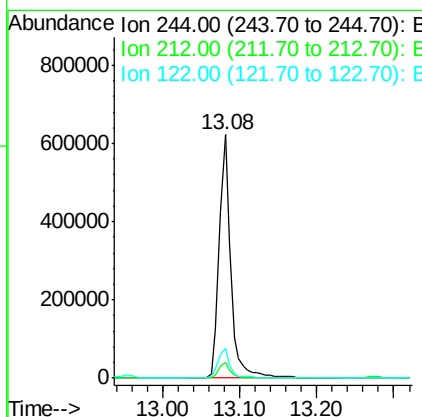
Manual Integrations
APPROVED

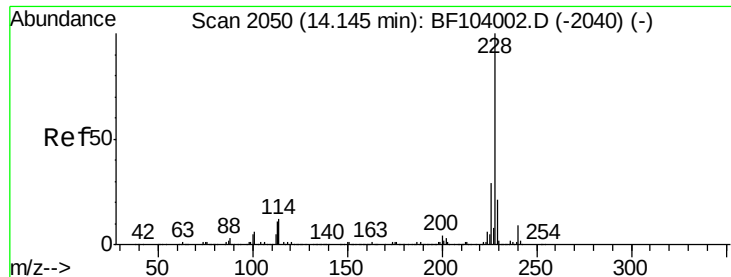
Sohil
4/4/2018 4:09:54 PM



#78
Terphenyl-d14
Concen: 61.731 ng
RT: 13.08 min Scan# 1869
Delta R.T. -0.00 min
Lab File: BF104193.D
Acq: 3 Apr 2018 21:30

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	12.2	11.0	16.4





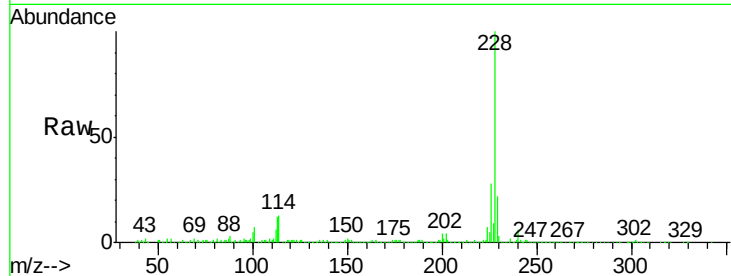
#80
Benzo(a)anthracene
Concen: 49.816 ng
RT: 14.14 min Scan# 2050
Delta R.T. -0.00 min
Lab File: BF104193.D
Acq: 3 Apr 2018 21:30

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

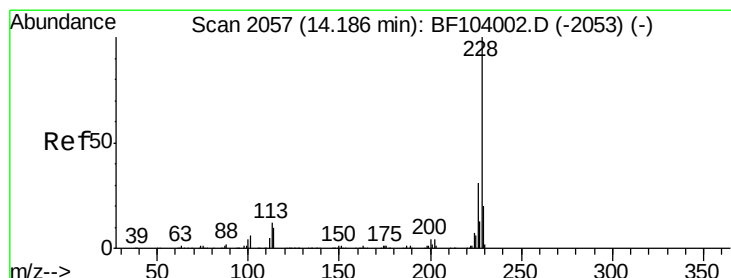
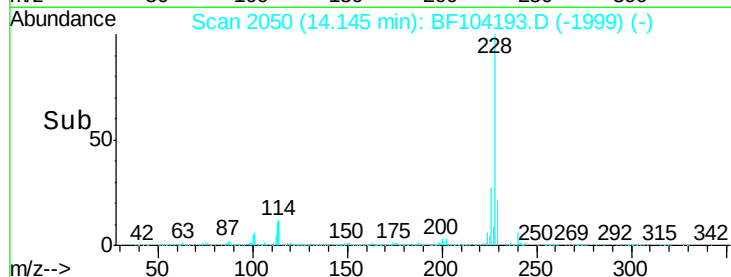
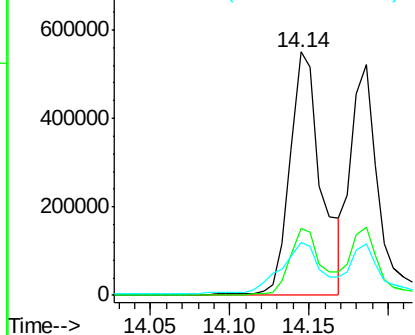
Tot Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.6	33.8
229	21.7	15.8	23.6

Manual Integrations
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4/4/2018 4:09:54 PM



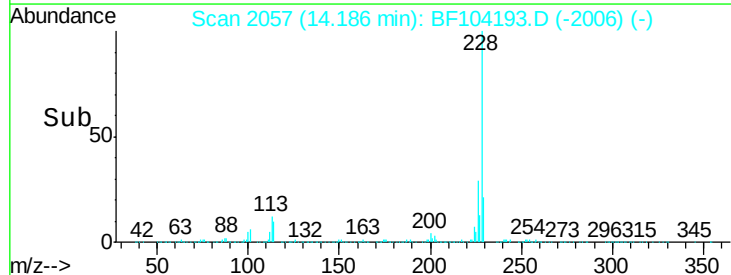
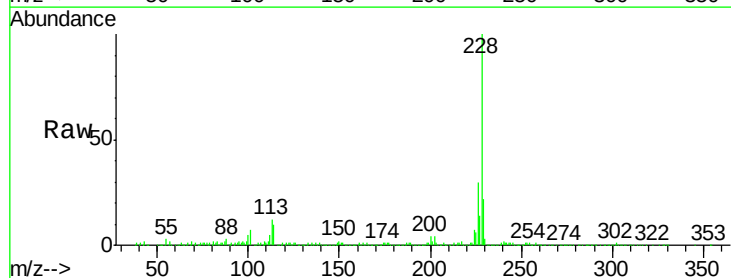
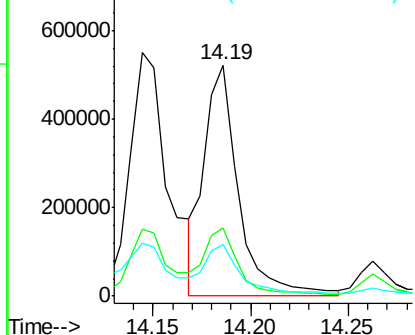
Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

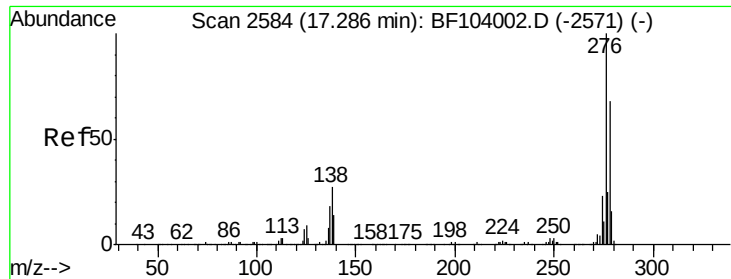


#82
Chrysene
Concen: 42.877 ng
RT: 14.19 min Scan# 2057
Delta R.T. -0.00 min
Lab File: BF104193.D
Acq: 3 Apr 2018 21:30

Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.5	25.0	37.6
229	22.2	16.2	24.4

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





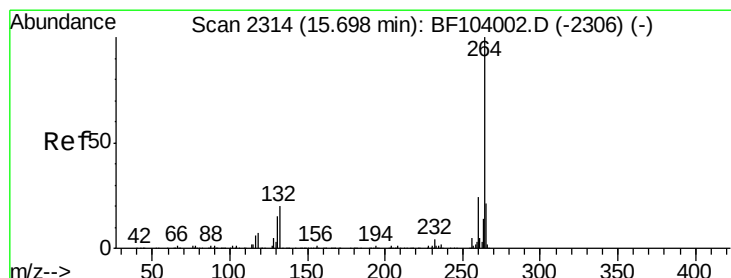
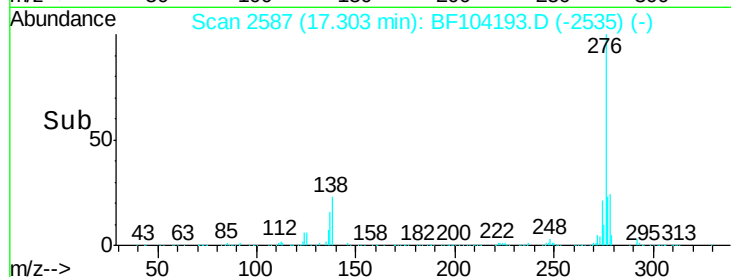
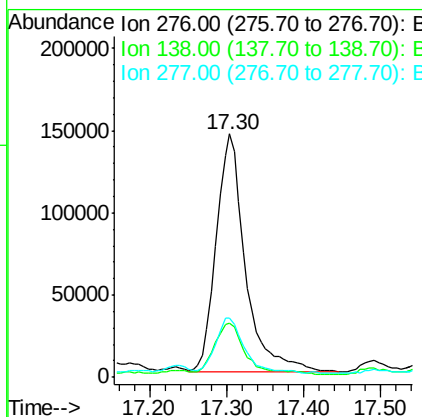
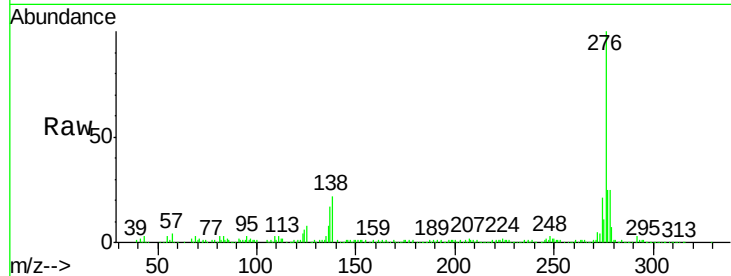
#85
Indeno(1,2,3-cd)pyrene
Concen: 24.827 ng
RT: 17.30 min Scan# 2587
Delta R.T. 0.01 min
Lab File: BF104193.D
Acq: 3 Apr 2018 21:30

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

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.2	25.0	37.6#
277	22.6	20.1	30.1

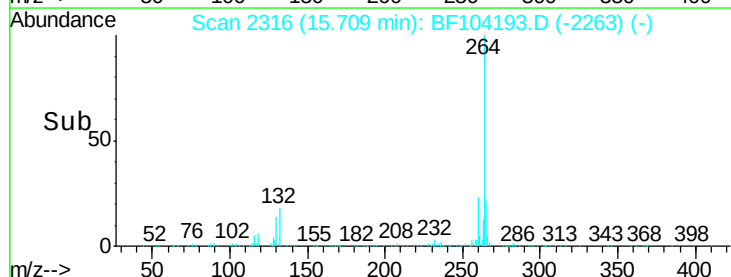
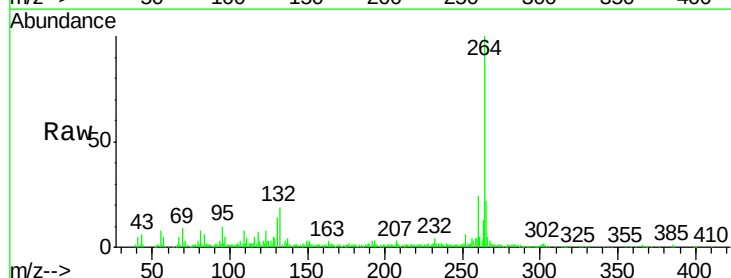
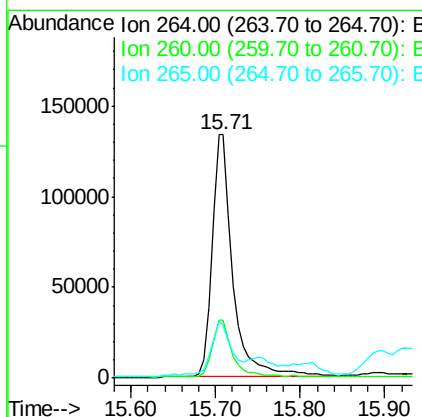
Manual Integrations
APPROVED

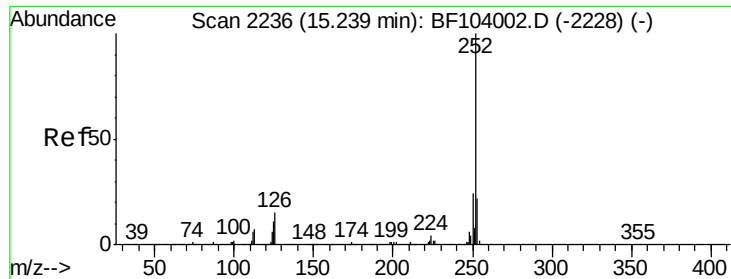
Sohil
4/4/2018 4:09:54 PM



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.71 min Scan# 2316
Delta R.T. 0.01 min
Lab File: BF104193.D
Acq: 3 Apr 2018 21:30

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.0	17.5	26.3





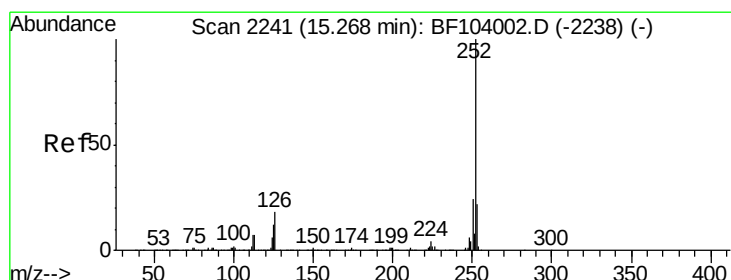
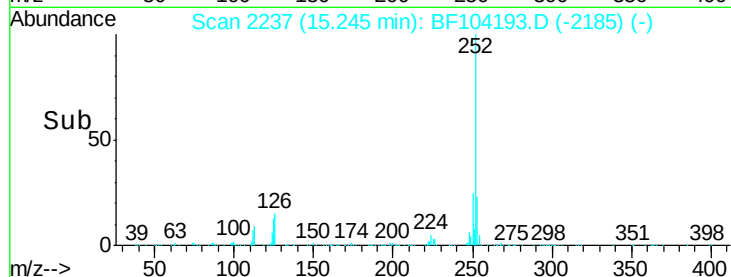
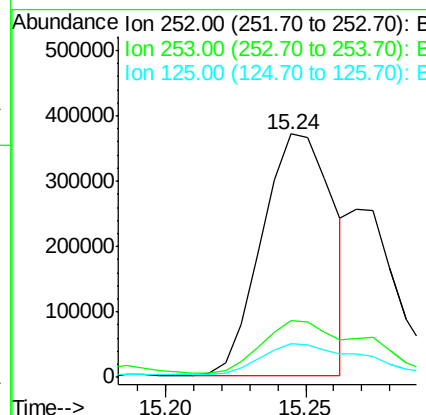
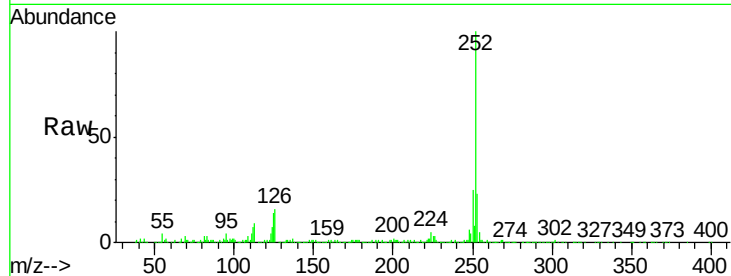
#87
Benzo(b)fluoranthene
Concen: 46.574 ng m
RT: 15.24 min Scan# 2237
Delta R.T. 0.01 min
Lab File: BF104193.D
Acq: 3 Apr 2018 21:30

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.0	25.6
125	13.9	9.0	13.6

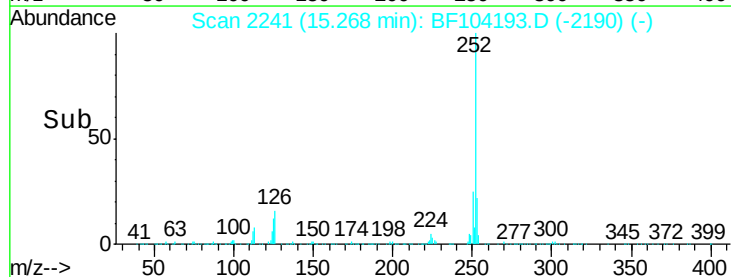
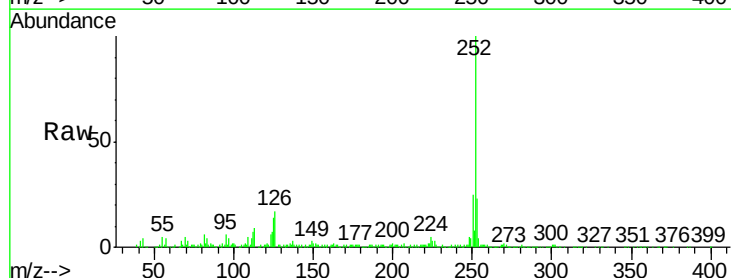
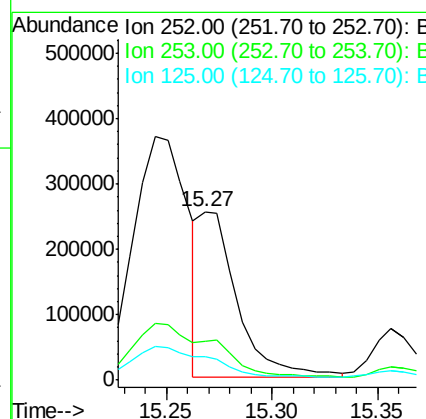
Manual Integrations
APPROVED

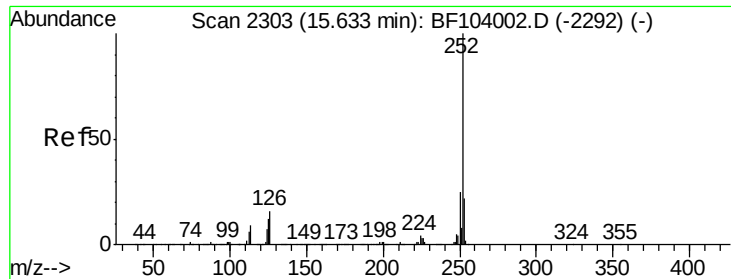
Sohil
4/4/2018 4:09:54 PM



#88
Benzo(k)fluoranthene
Concen: 23.469 ng m
RT: 15.27 min Scan# 2241
Delta R.T. -0.00 min
Lab File: BF104193.D
Acq: 3 Apr 2018 21:30

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	13.9	10.2	15.2





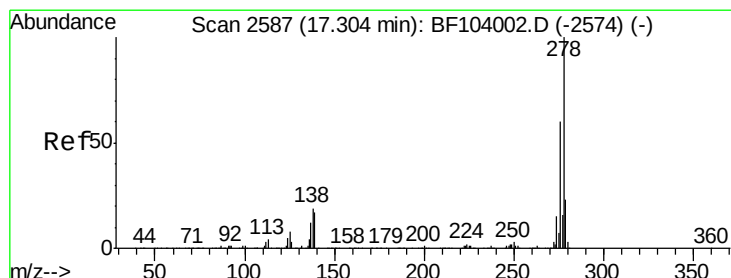
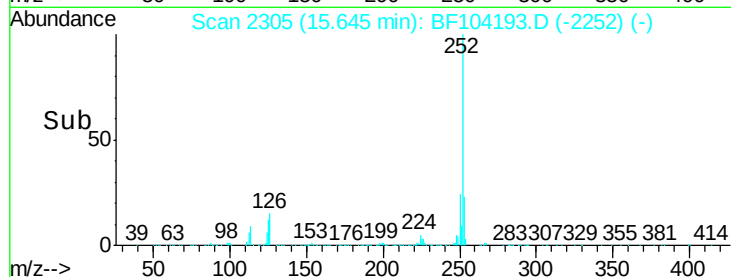
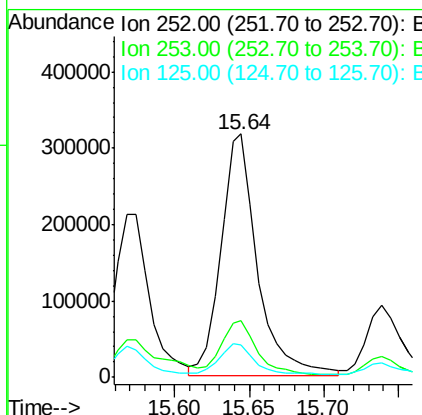
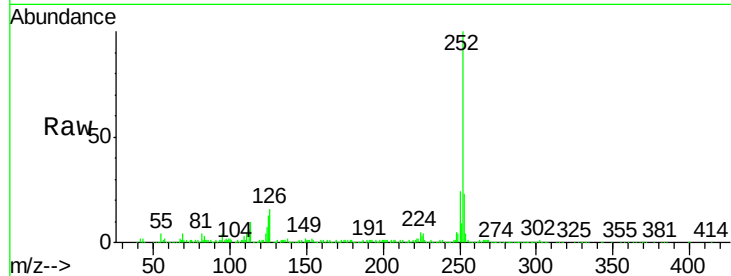
#89
Benzo(a)pyrene
Concen: 41.016 ng
RT: 15.64 min Scan# 2305
Delta R.T. 0.01 min
Lab File: BF104193.D
Acq: 3 Apr 2018 21:30

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

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.1	25.7
125	13.4	9.8	14.6

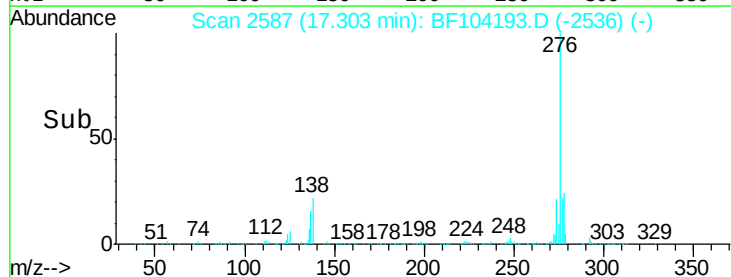
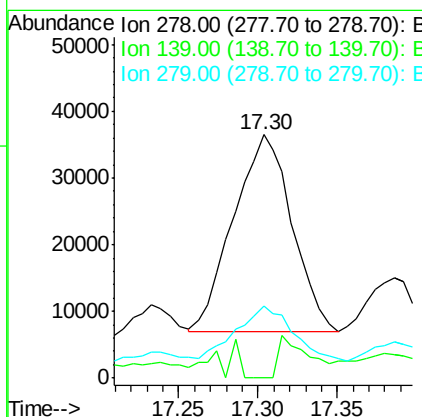
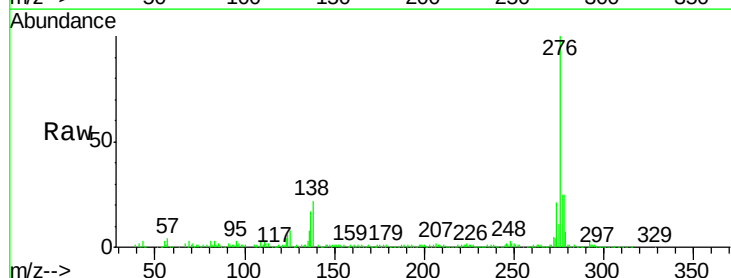
Manual Integrations
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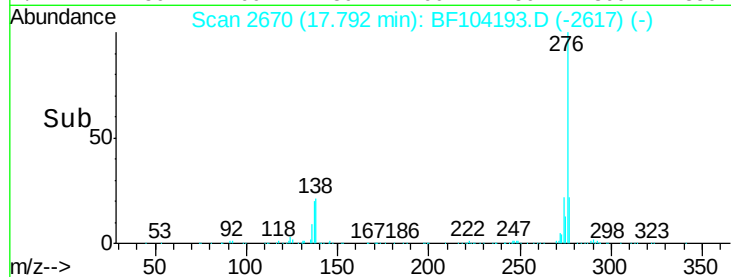
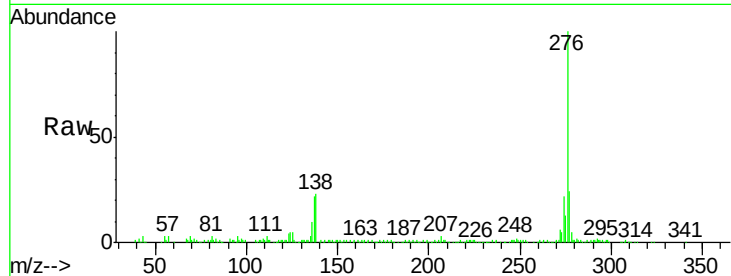
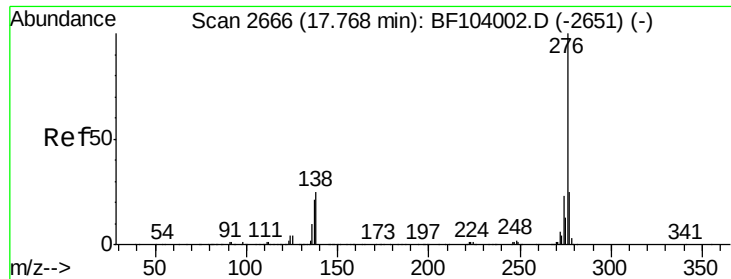
Sohil
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#90
Dibenzo(a,h)anthracene
Concen: 6.261 ng
RT: 17.30 min Scan# 2587
Delta R.T. -0.00 min
Lab File: BF104193.D
Acq: 3 Apr 2018 21:30

Tgt Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	29.4	19.0	28.4#





#91
Benzo(a,h,i)perylene
Concen: 29.603 ng
RT: 17.79 min Scan# 2670
Delta R.T. 0.01 min
Lab File: BF104193.D
Acq: 3 Apr 2018 21:30

Tot Ion:	276	Resp:	359997
Ion Ratio	Lower	Upper	
276	100		
277	24.1	17.9	26.9
138	23.2	21.8	32.8

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

Manual Integrations
APPROVED

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