

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
 Data File : BF107859.D
 Acq On : 31 Jul 2018 19:40
 Operator : JU/SJ
 Sample : J4143-07 2X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 GW-02(3-5)

Manual Integrations
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 8/1/2018 3:57:15 PM

Quant Time: Aug 01 02:09:38 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 30 17:48:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	171493	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	782040	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	348430	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	663191	20.00	ng	0.00
75) Chrysene-d12	14.15	240	439687	20.00	ng	0.00
86) Perylene-d12	15.69	264	519037	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	481963	47.76	ng	0.00
7) Phenol-d6	6.60	99	707483	53.20	ng	0.00
23) Nitrobenzene-d5	7.52	82	435410	32.08	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	201378	42.53	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	894869	35.79	ng	0.00
78) Terphenyl-d14	13.08	244	756464	37.31	ng	0.00
Target Compounds						
48) Acenaphthylene	9.87	152	111570	3.010	ng	98
49) Dimethylphthalate	9.71	163	74562	2.849	ng	100
70) Phenanthrene	11.52	178	231593	7.354	ng	98
71) Anthracene	11.58	178	103878	2.860	ng	96
74) Fluoranthene	12.71	202	557102	15.059	ng	98
77) Pyrene	12.95	202	552211	17.441	ng	97
80) Benzo(a)anthracene	14.14	228	354866m	14.248	ng	
82) Chrysene	14.18	228	320733	11.939	ng	98
85) Indeno(1,2,3-cd)pyrene	17.27	276	254750	12.467	ng	# 88
87) Benzo(b)fluoranthene	15.23	252	462675m	18.074	ng	
88) Benzo(k)fluoranthene	15.25	252	224151m	7.132	ng	
89) Benzo(a)pyrene	15.62	252	402663	15.237	ng	97
90) Dibenzo(a,h)anthracene	17.27	278	60574m	2.628	ng	
91) Benzo(g,h,i)perylene	17.75	276	229243	10.278	ng	96

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

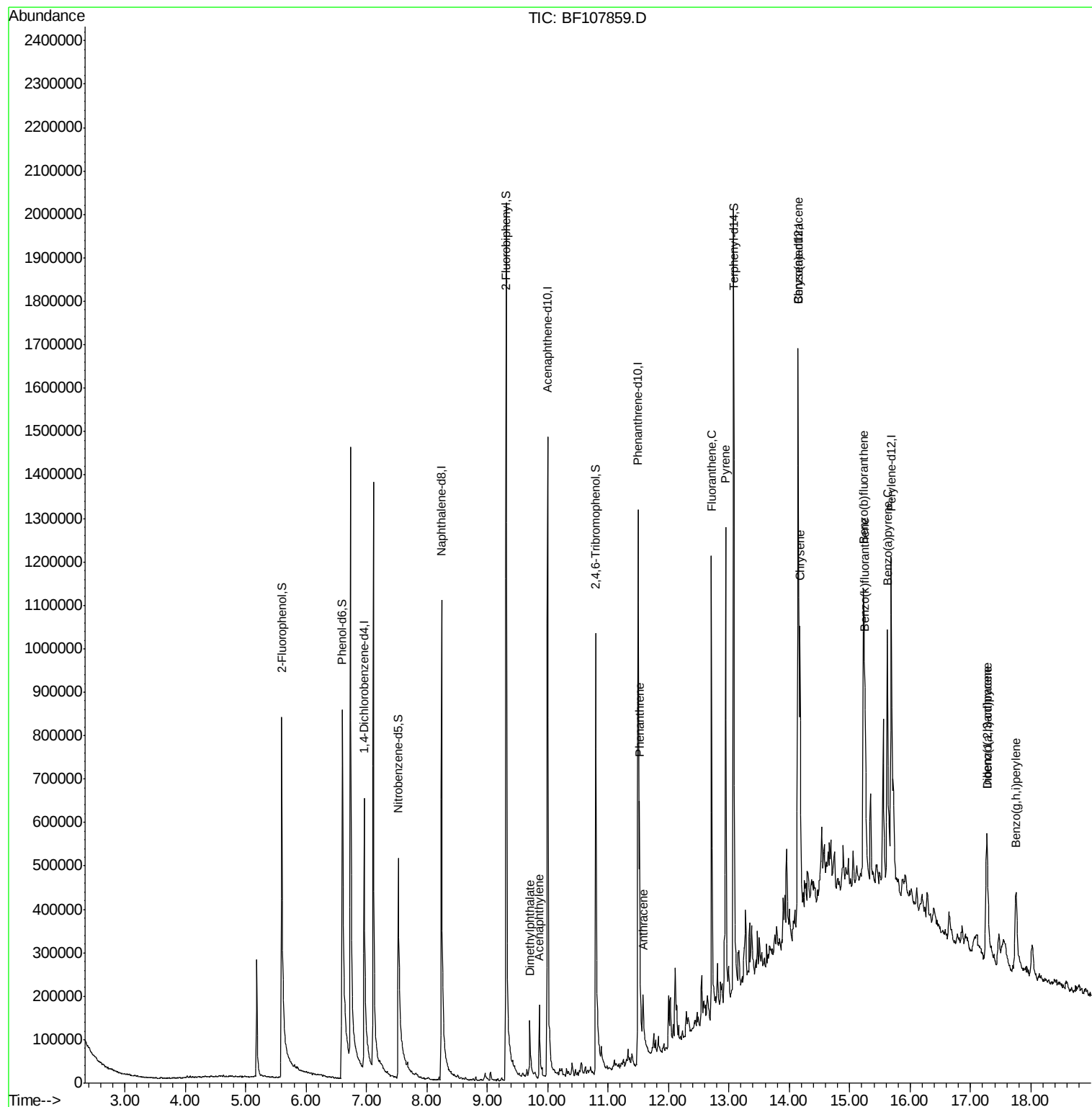
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073118\
Data File : BF107859.D
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Operator : JU/SJ
Sample : J4143-07 2X
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ALS Vial : 12 Sample Multiplier: 1

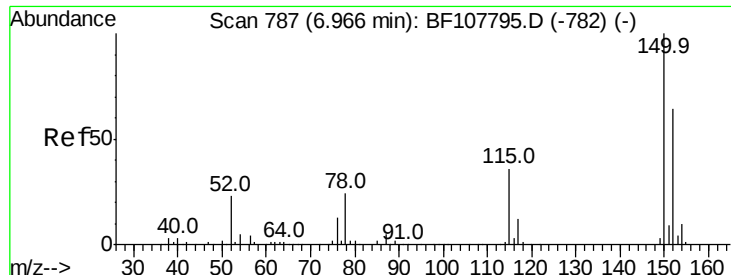
Instrument :
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GW-02(3-5)

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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
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#1

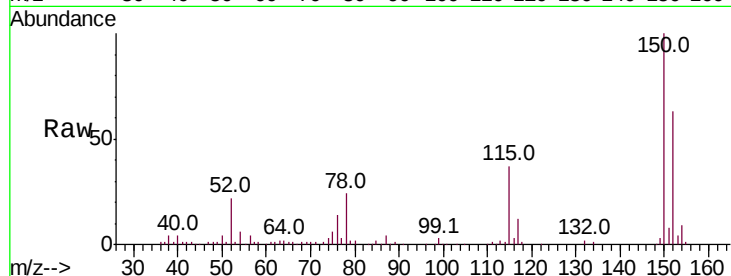
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF107859.D
Acq: 31 Jul 2018 19:40

Instrument :
BNA_F
ClientSampleId :
GW-02(3-5)

Tot Ion	Ratio	Lower	Upper
152	100		
150	159.5	124.6	186.8
115	59.3	50.1	75.1

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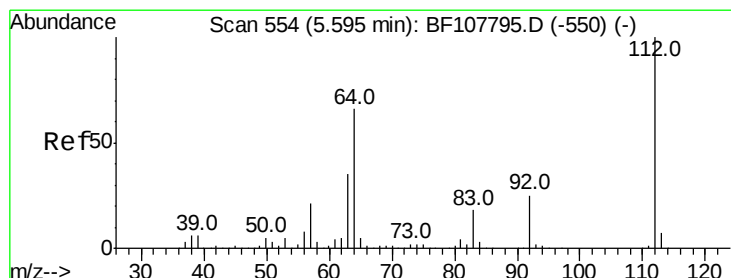
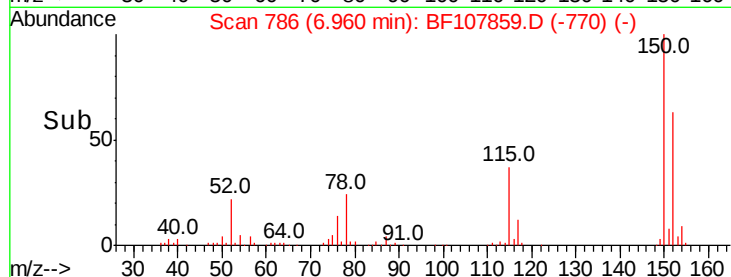
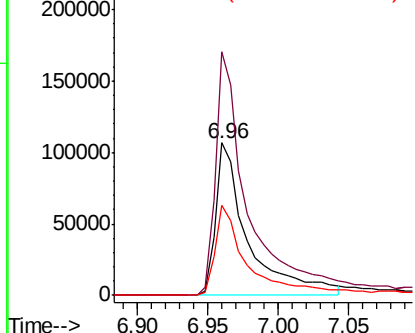


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

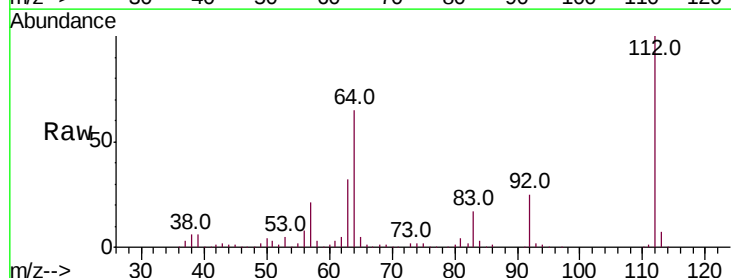
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 47.764 ng
RT: 5.60 min Scan# 554
Delta R.T. 0.00 min
Lab File: BF107859.D
Acq: 31 Jul 2018 19:40

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.8	47.9	71.9
63	32.4	23.7	35.5

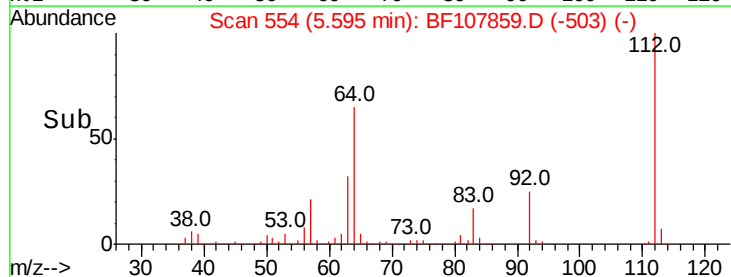
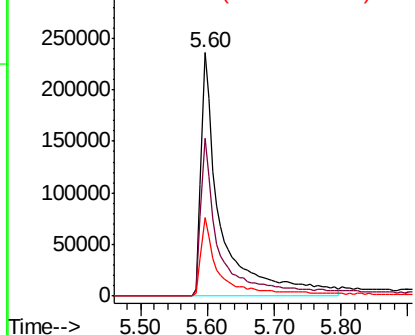


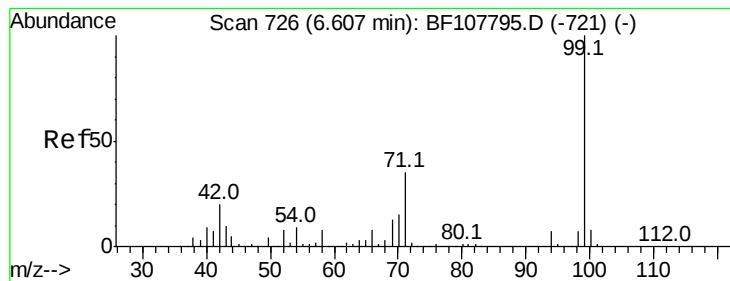
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 53.199 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107859.D

Acq: 31 Jul 2018 19:40

Instrument :

BNA_F

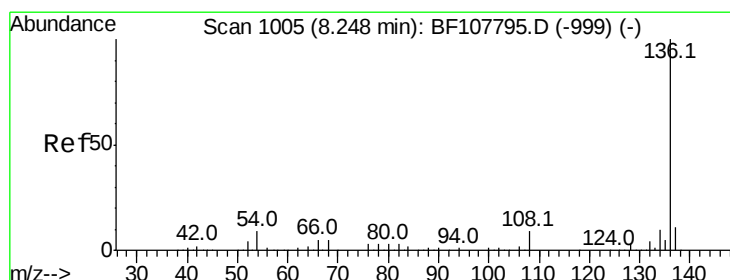
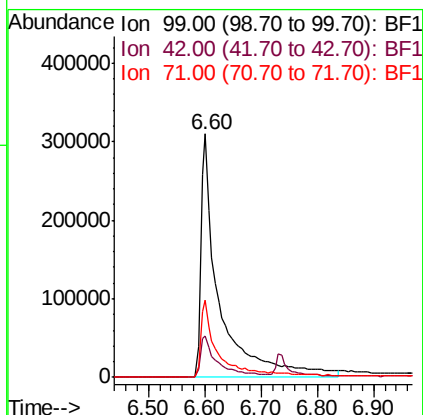
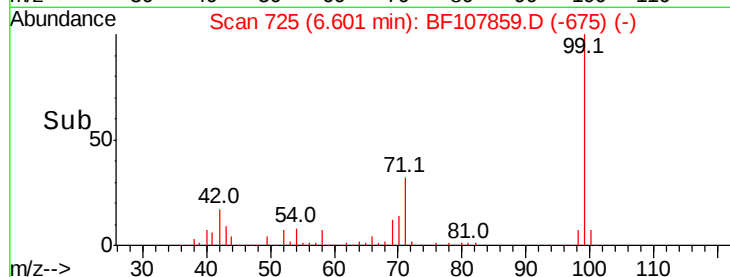
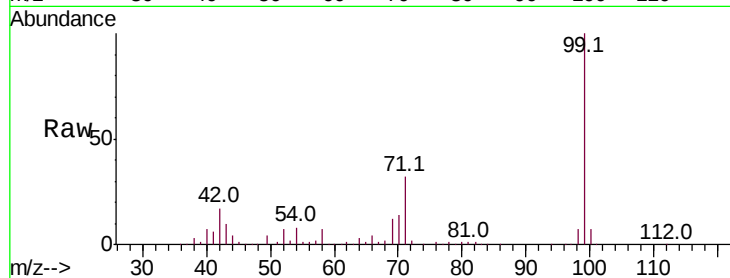
ClientSampleId :

GW-02(3-5)

Tot Ion:	99	Resp:	707483
Ion Ratio	Lower	Upper	
99	100		
42	17.2	14.5	21.7
71	31.7	25.4	38.0

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#21

Naphthalene-d8

Concen: 20.000 ng

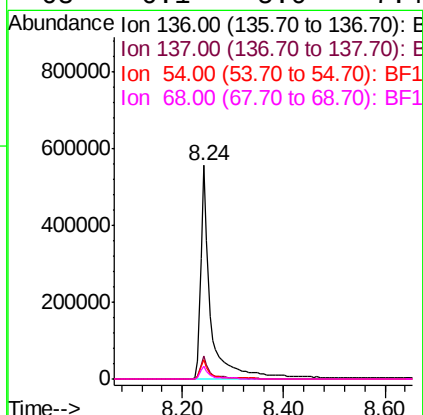
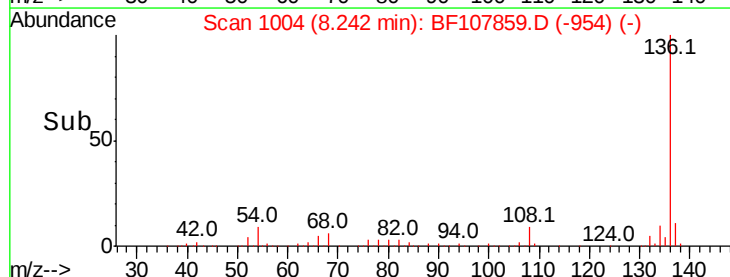
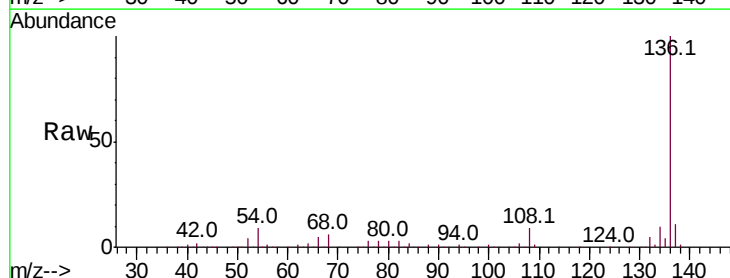
RT: 8.24 min Scan# 1004

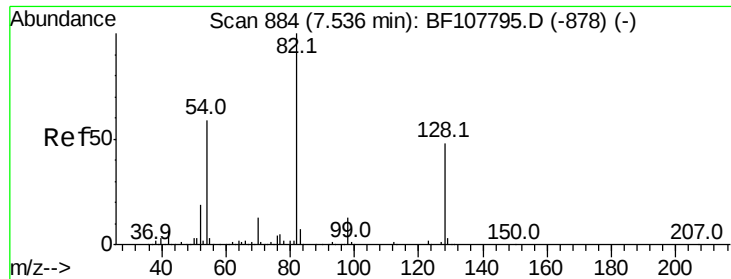
Delta R.T. -0.01 min

Lab File: BF107859.D

Acq: 31 Jul 2018 19:40

Tgt Ion:	136	Resp:	782040
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	9.1	6.6	9.8
68	6.1	5.0	7.4





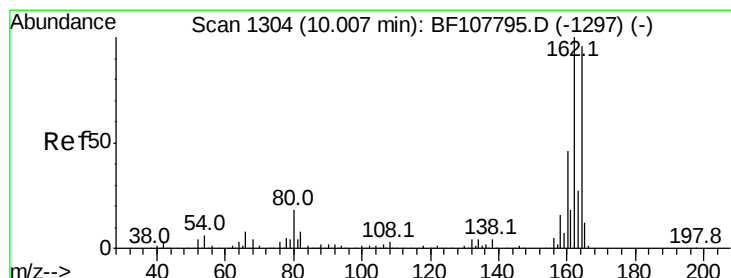
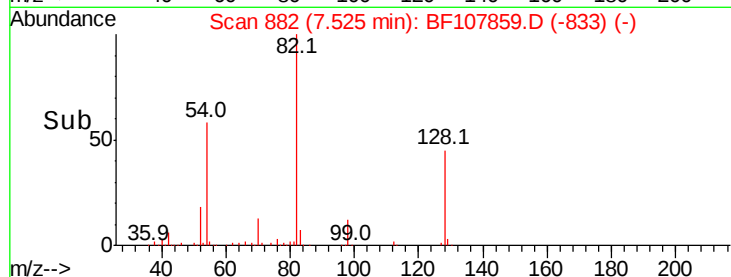
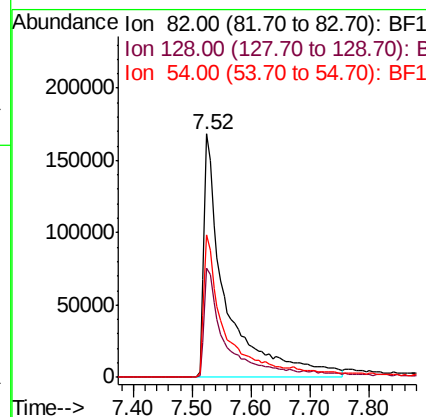
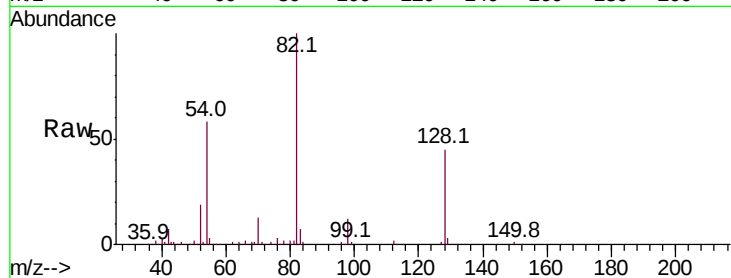
#23
 Nitrobenzene-d5
 Concen: 32.075 ng
 RT: 7.52 min Scan# 882
 Delta R.T. -0.01 min
 Lab File: BF107859.D
 Acq: 31 Jul 2018 19:40

Instrument :
 BNA_F
 ClientSampled :
 GW-02(3-5)

Tot Ion	Ratio	Lower	Upper
82	100		
128	44.7	36.1	54.1
54	58.5	41.4	62.2

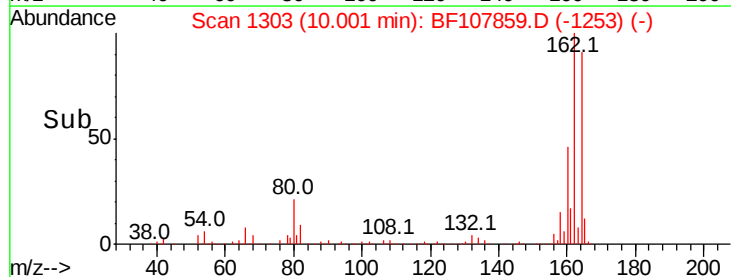
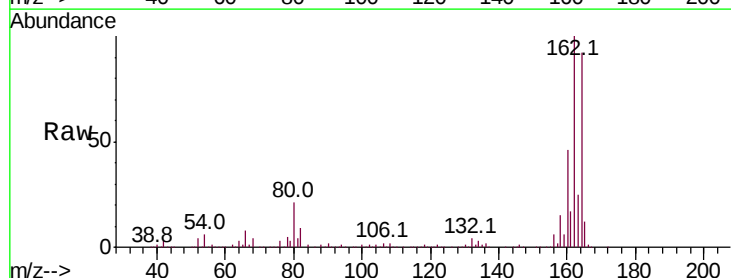
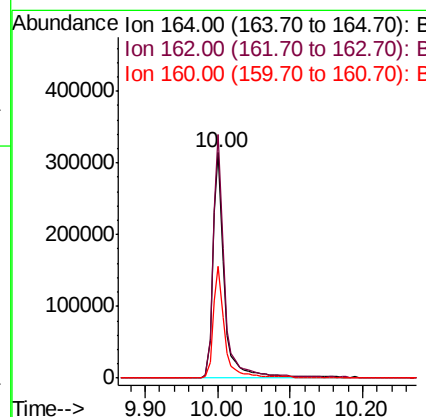
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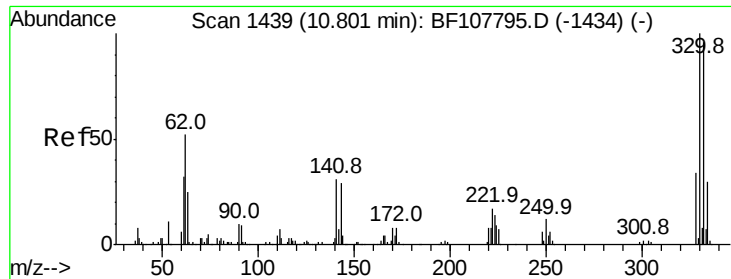
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#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.00 min Scan# 1303
 Delta R.T. -0.01 min
 Lab File: BF107859.D
 Acq: 31 Jul 2018 19:40

Tgt Ion	Ratio	Lower	Upper
164	100		
162	108.1	86.1	129.1
160	49.8	38.3	57.5





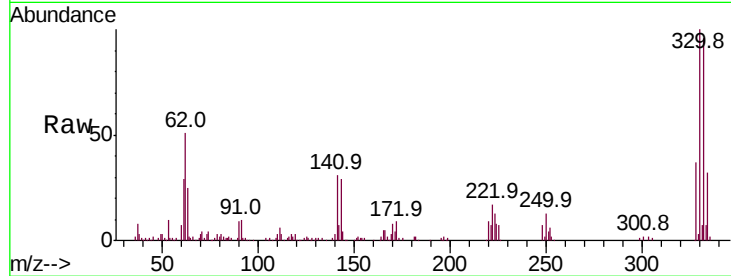
#41
 2,4,6-Tribromophenol
 Concen: 42.535 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF107859.D
 Acq: 31 Jul 2018 19:40

Instrument :
 BNA_F
 ClientSampleId :
 GW-02(3-5)

Tot Ion	Ratio	Lower	Upper
330	100		
332	101.4	77.0	115.6
141	30.6	29.9	44.9

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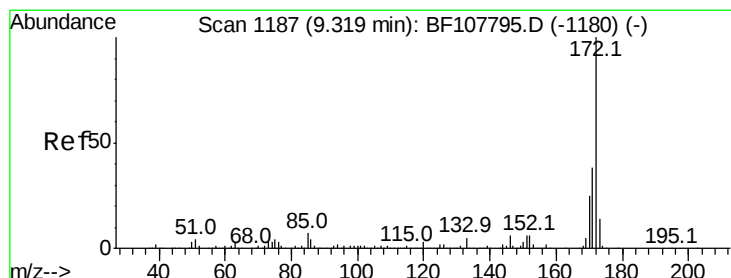
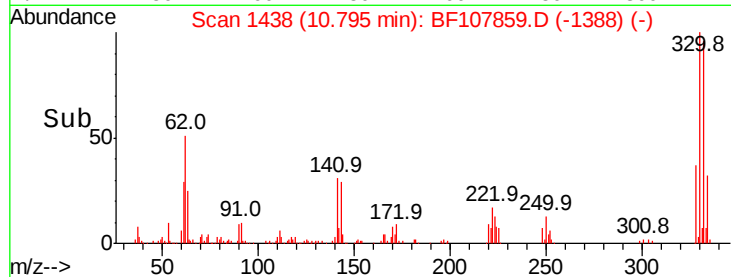
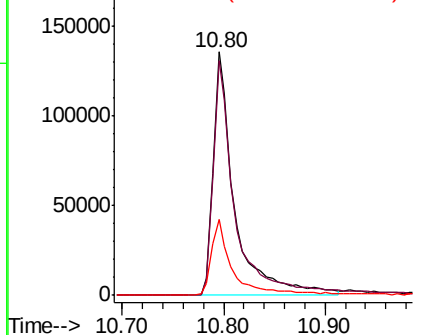


Abundance

Ion 329.80 (329.50 to 330.50): E

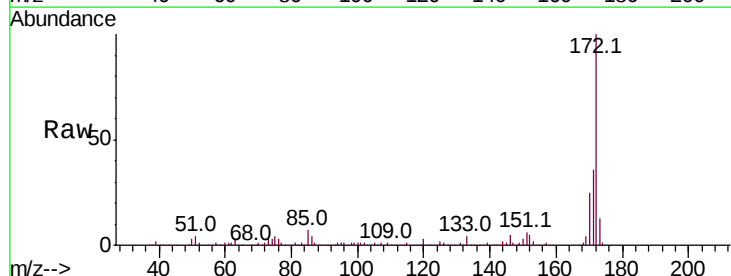
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 35.789 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF107859.D
 Acq: 31 Jul 2018 19:40

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.9	19.6	29.4

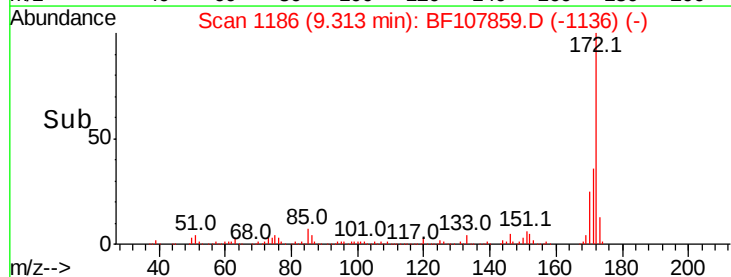
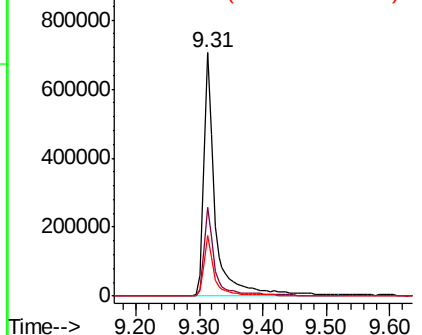


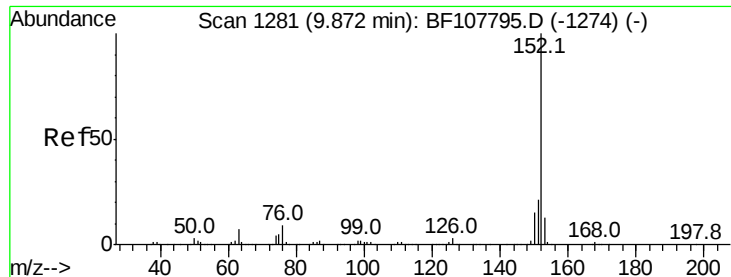
Abundance

Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#48

Acenaphthylene

Concen: 3.010 ng

RT: 9.87 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BF107859.D

Acq: 31 Jul 2018 19:40

Instrument :

BNA_F

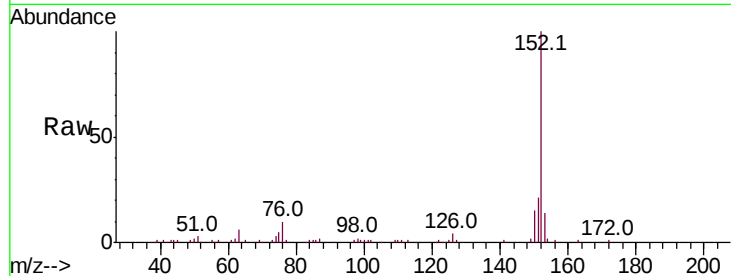
ClientSampled :

GW-02(3-5)

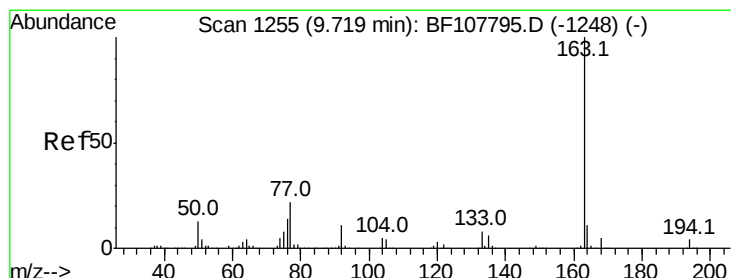
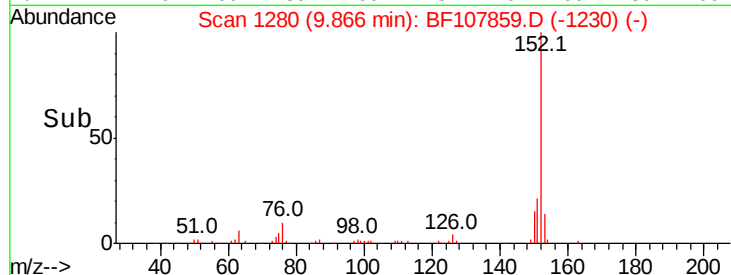
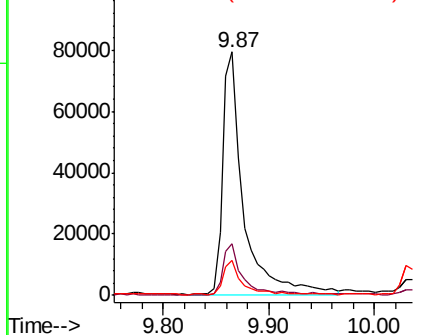
Tot Ion:	152	Resp:	111570
Ion Ratio	Lower	Upper	
152	100		
151	21.0	16.3	24.5
153	14.2	10.7	16.1

Manual Integrations
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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E



#49

Dimethylphthalate

Concen: 2.849 ng

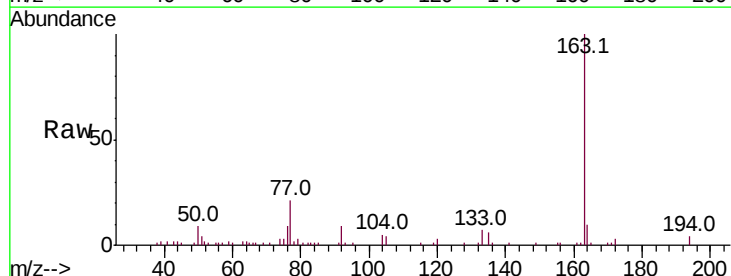
RT: 9.71 min Scan# 1253

Delta R.T. -0.01 min

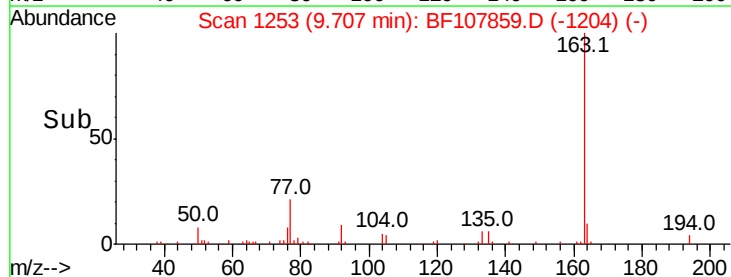
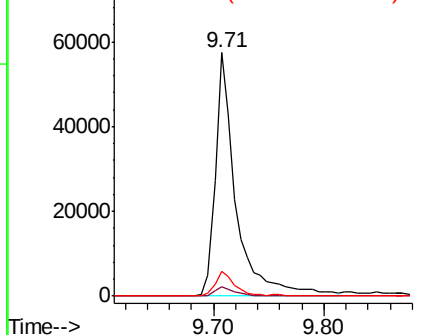
Lab File: BF107859.D

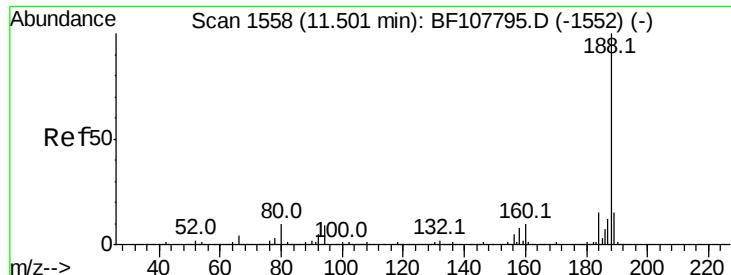
Acq: 31 Jul 2018 19:40

Tgt Ion:	163	Resp:	74562
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.7	4.1
164	10.1	8.2	12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.49 min Scan# 1557

Delta R.T. -0.01 min

Lab File: BF107859.D

Acq: 31 Jul 2018 19:40

Instrument :

BNA_F

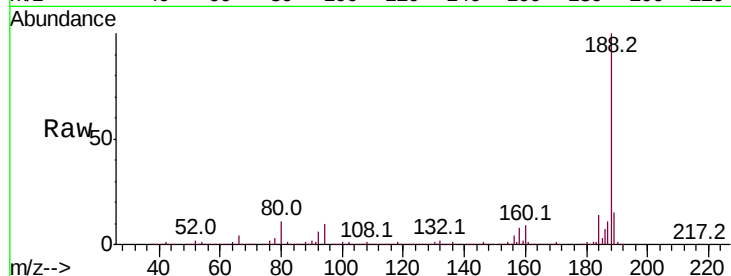
ClientSampleId :

GW-02(3-5)

Tot Ion:	188	Resp:	663191
Ion Ratio	Lower	Upper	
188	100		
94	9.6	8.5	12.7
80	10.8	9.2	13.8

Manual Integrations
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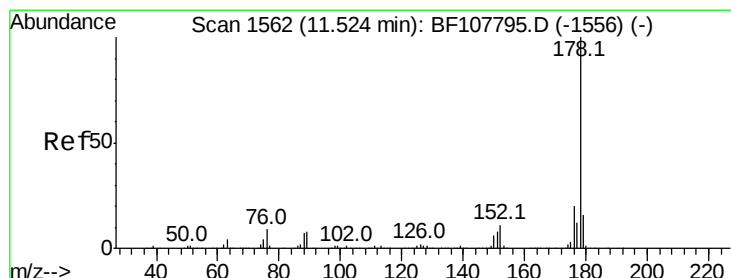
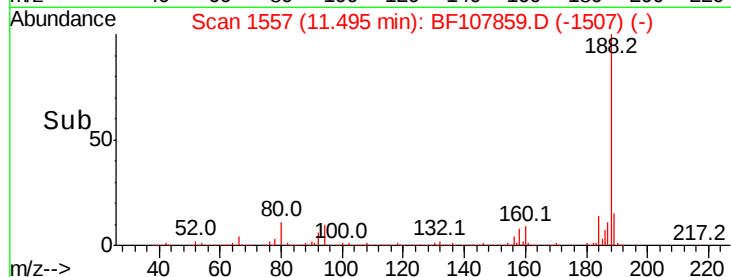
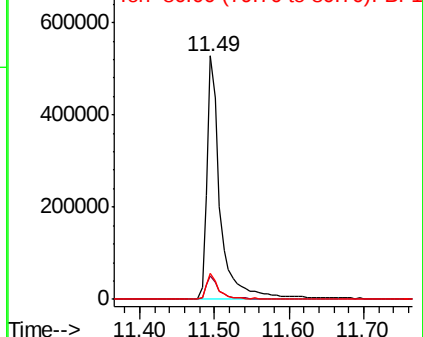
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Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#70

Phenanthrene

Concen: 7.354 ng

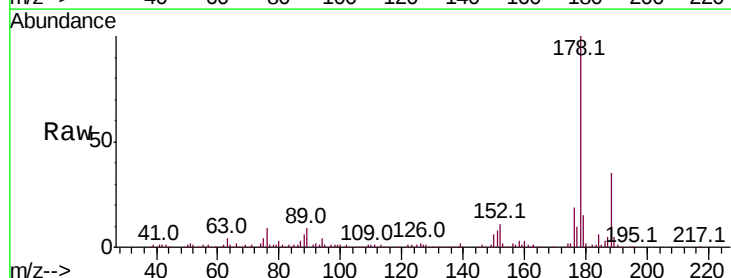
RT: 11.52 min Scan# 1561

Delta R.T. -0.01 min

Lab File: BF107859.D

Acq: 31 Jul 2018 19:40

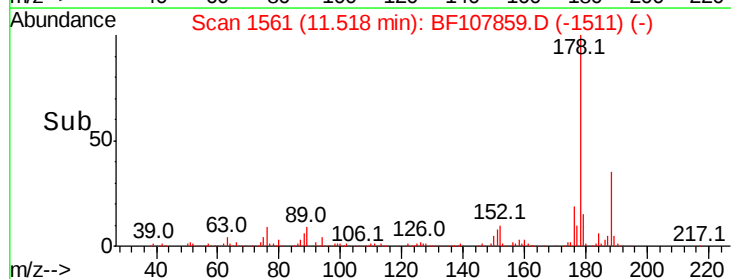
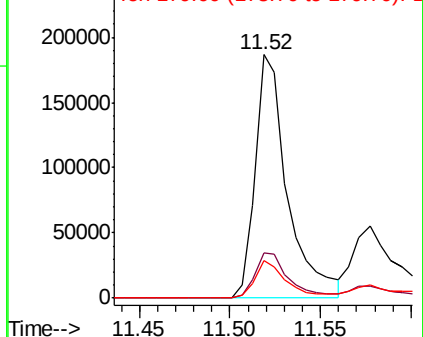
Tgt Ion:	178	Resp:	231593
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.8	23.8
179	15.4	13.0	19.6

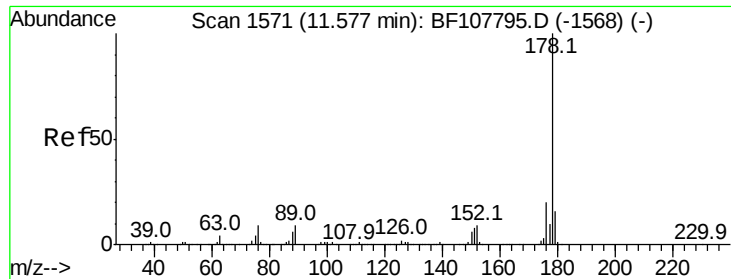


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





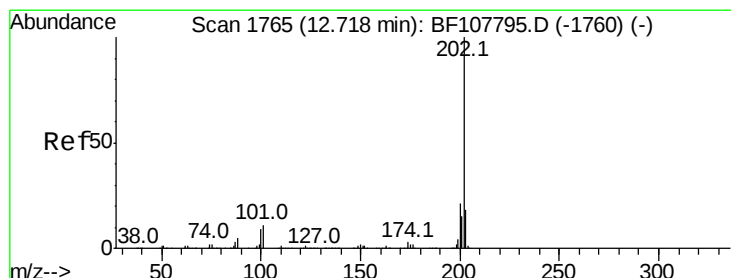
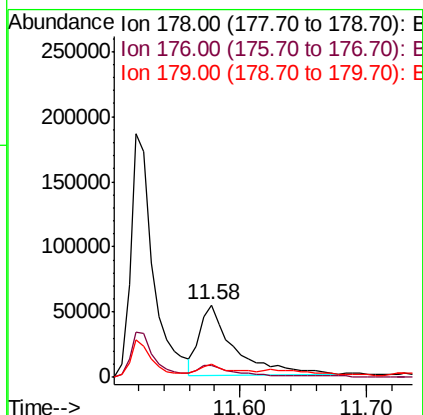
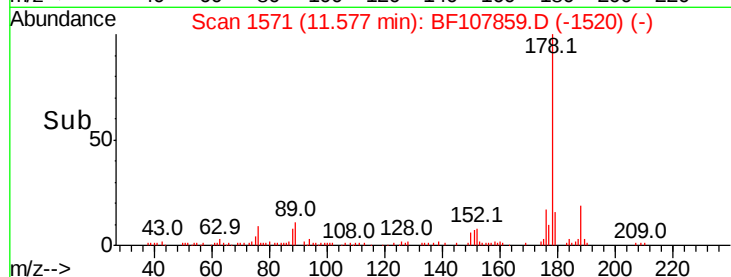
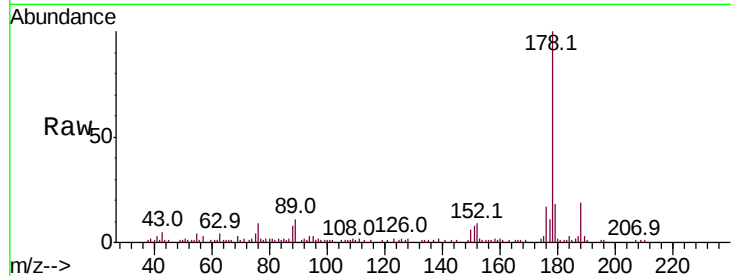
#71
 Anthracene
 Concen: 2.860 ng
 RT: 11.58 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: BF107859.D
 Acq: 31 Jul 2018 19:40

Instrument :
 BNA_F
 ClientSampleId :
 GW-02(3-5)

Tot Ion	Ratio	Lower	Upper
178	100		
176	17.3	15.4	23.2
179	17.5	12.6	19.0

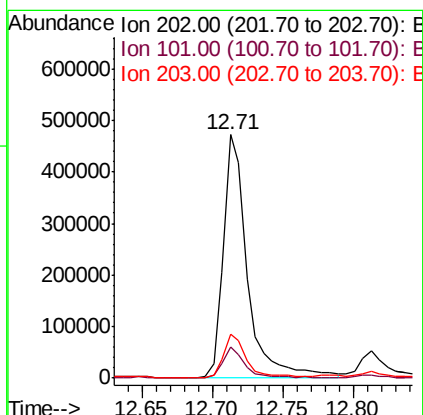
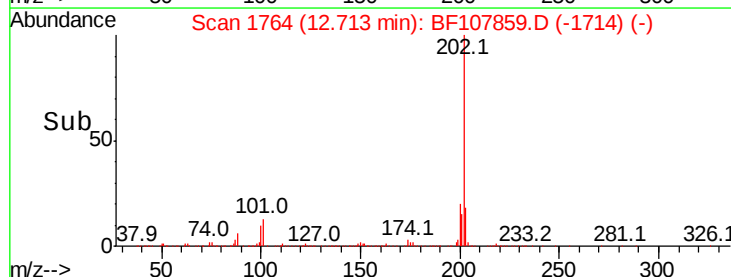
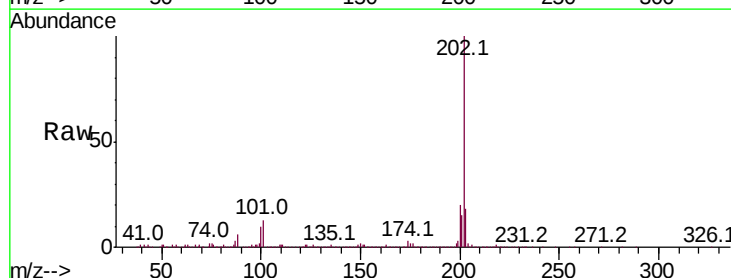
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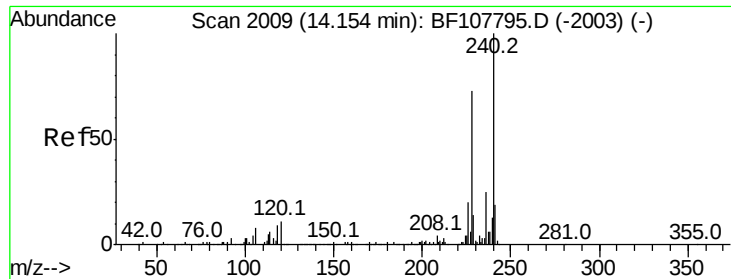
Sohil
 8/1/2018 3:57:15 PM



#74
 Fluoranthene
 Concen: 15.059 ng
 RT: 12.71 min Scan# 1764
 Delta R.T. -0.01 min
 Lab File: BF107859.D
 Acq: 31 Jul 2018 19:40

Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	34.1
203	17.8	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.01 min

Lab File: BF107859.D

Acq: 31 Jul 2018 19:40

Instrument :

BNA_F

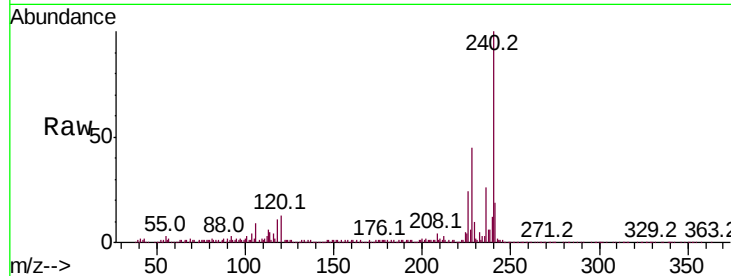
ClientSampleId :

GW-02(3-5)

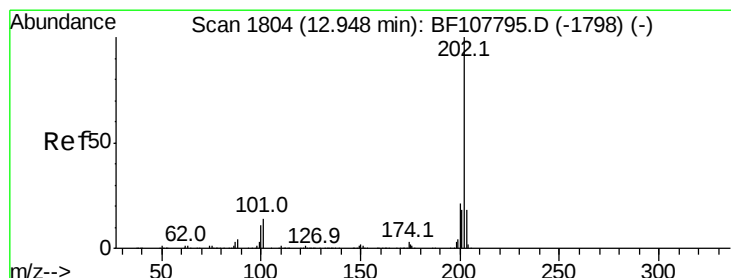
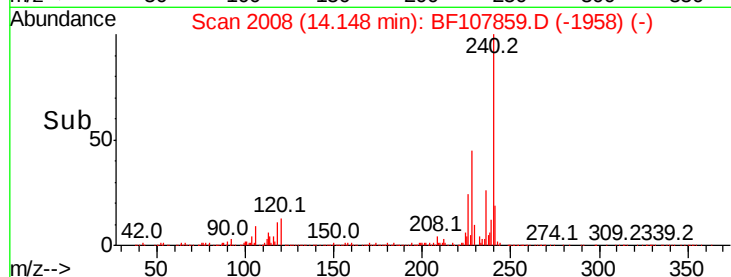
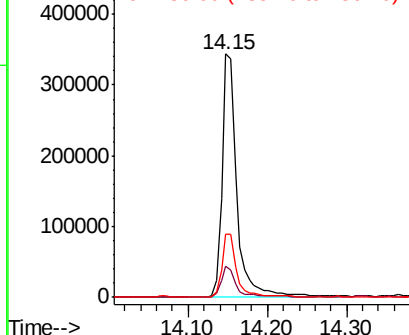
Tot Ion:	240	Resp:	439687
Ion Ratio	Lower	Upper	
240	100		
120	12.8	9.5	14.3
236	25.7	20.7	31.1

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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

Pyrene

Concen: 17.441 ng

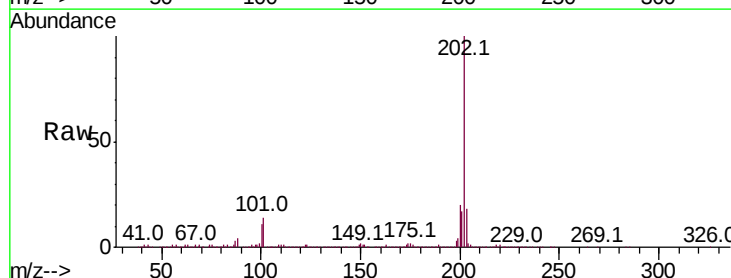
RT: 12.95 min Scan# 1804

Delta R.T. -0.00 min

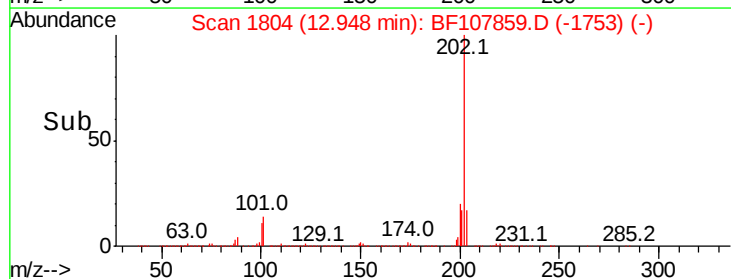
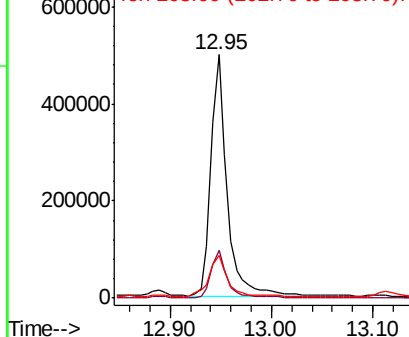
Lab File: BF107859.D

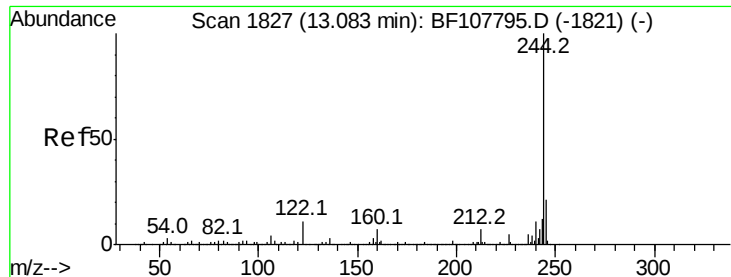
Acq: 31 Jul 2018 19:40

Tgt Ion:	202	Resp:	552211
Ion Ratio	Lower	Upper	
202	100		
200	19.6	17.4	26.2
203	17.5	14.3	21.5



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





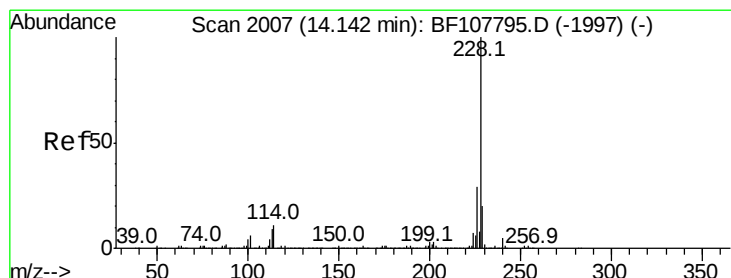
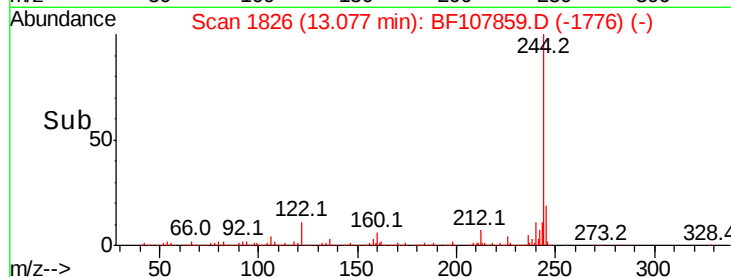
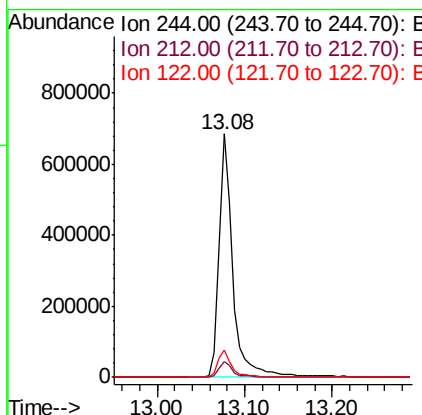
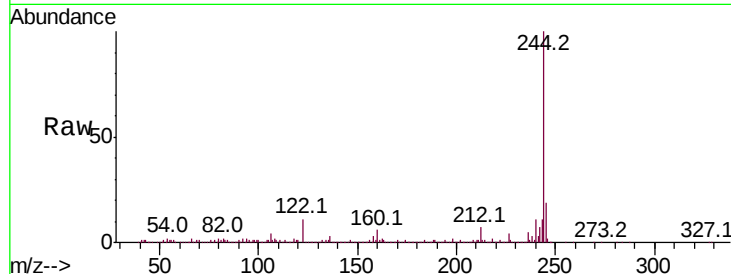
#78
 Terphenyl-d14
 Concen: 37.307 ng
 RT: 13.08 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF107859.D
 Acq: 31 Jul 2018 19:40

Instrument :
 BNA_F
 ClientSampleId :
 GW-02(3-5)

Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.0
122	11.2	11.0	16.4

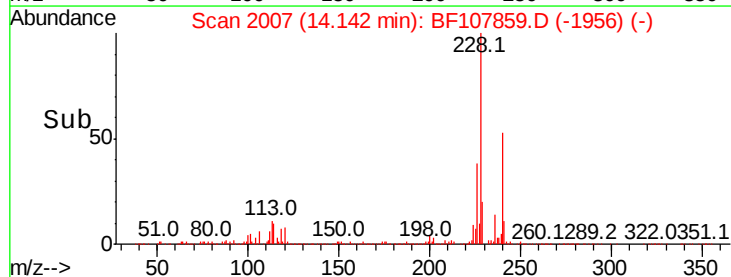
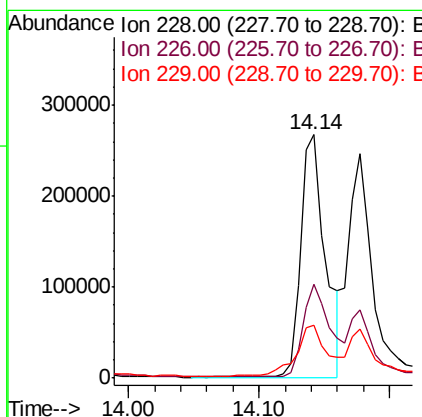
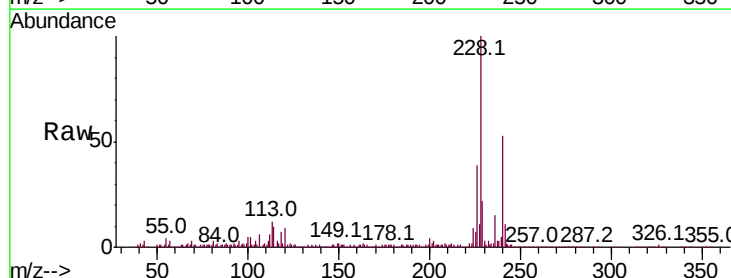
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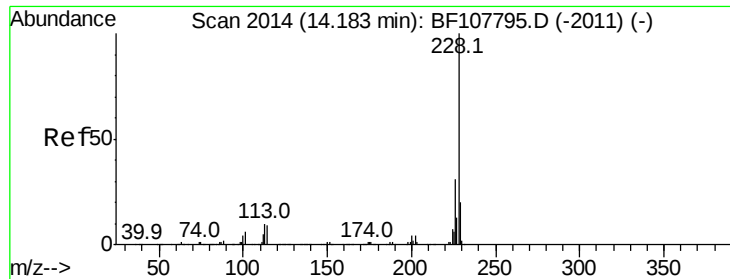
Sohil
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#80
 Benzo(a)anthracene
 Concen: 14.248 ng m
 RT: 14.14 min Scan# 2007
 Delta R.T. -0.00 min
 Lab File: BF107859.D
 Acq: 31 Jul 2018 19:40

Tgt Ion	Ratio	Lower	Upper
228	100		
226	38.6	22.6	33.8#
229	21.8	15.8	23.6





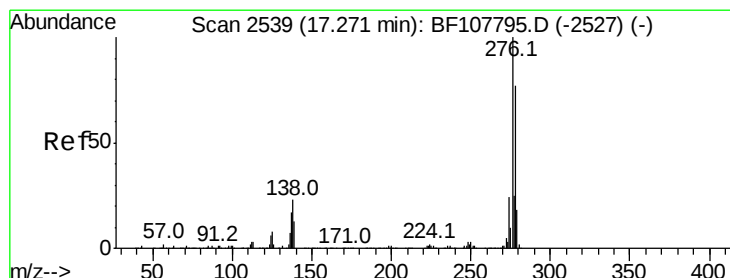
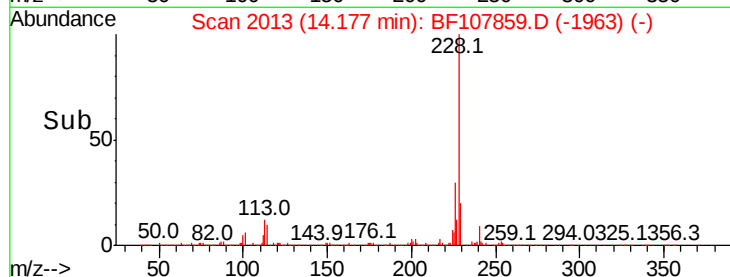
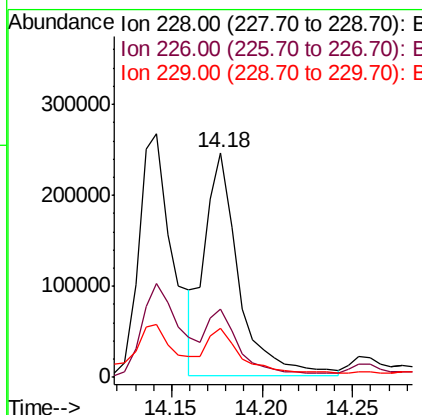
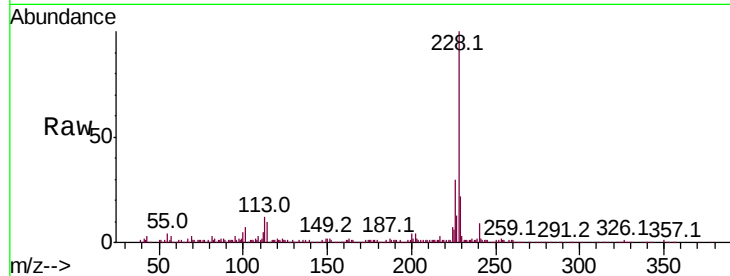
#82
Chrysene
Concen: 11.939 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF107859.D
Acq: 31 Jul 2018 19:40

Instrument :
BNA_F
ClientSampleId :
GW-02(3-5)

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.0	37.6
229	21.6	16.2	24.4

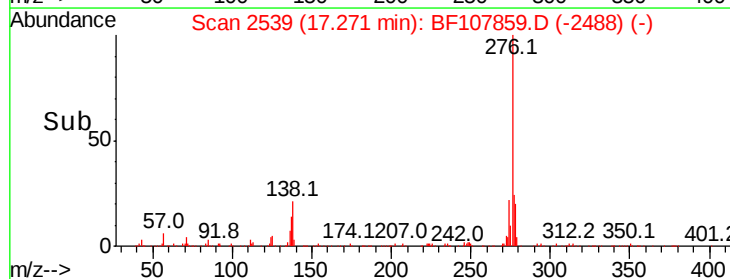
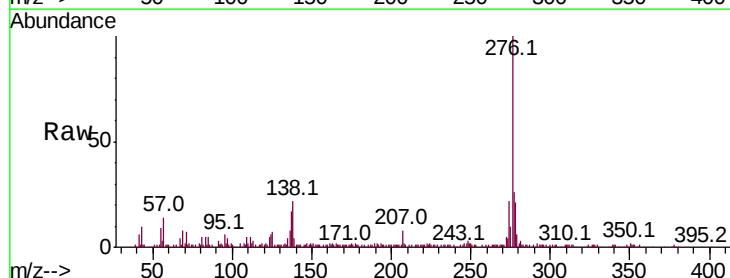
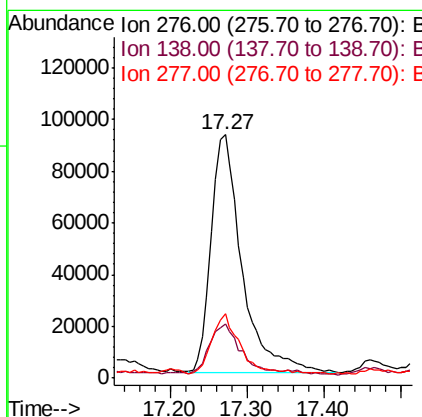
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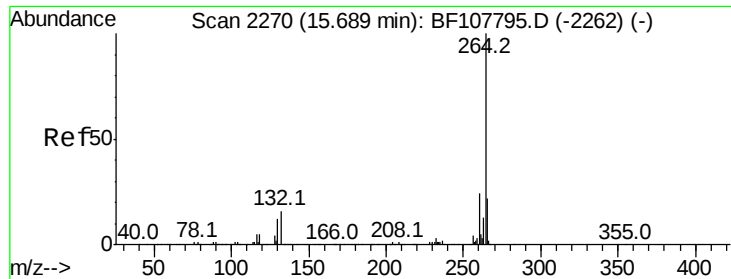
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#85
Indeno(1,2,3-cd)pyrene
Concen: 12.467 ng
RT: 17.27 min Scan# 2539
Delta R.T. -0.00 min
Lab File: BF107859.D
Acq: 31 Jul 2018 19:40

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.0	25.0	37.6#
277	22.8	20.1	30.1





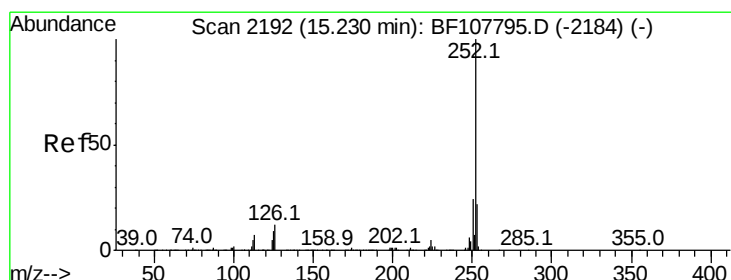
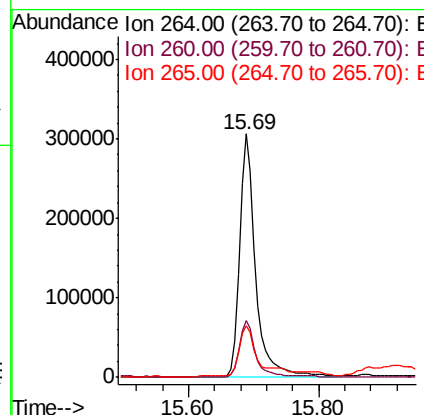
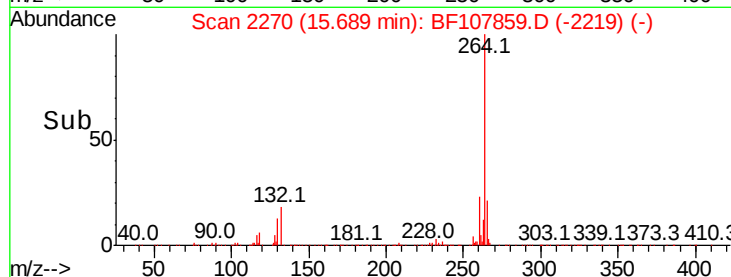
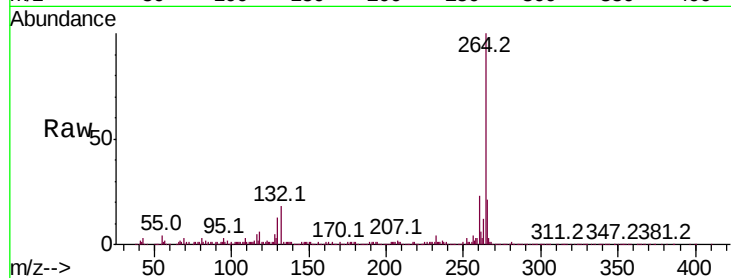
#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. -0.00 min
Lab File: BF107859.D
Acq: 31 Jul 2018 19:40

Instrument :
BNA_F
ClientSampleId :
GW-02(3-5)

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.2	28.8
265	21.2	17.5	26.3

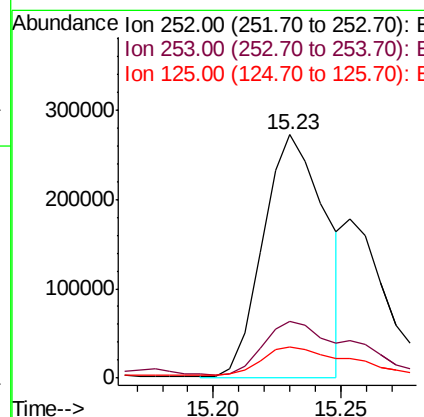
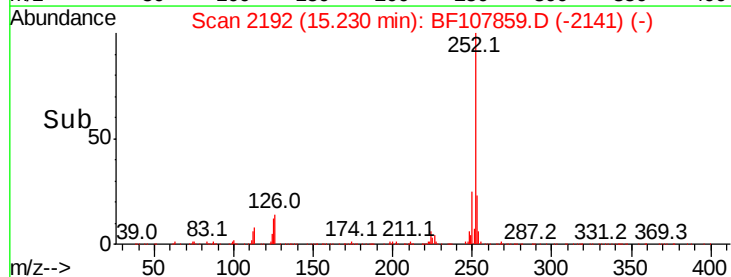
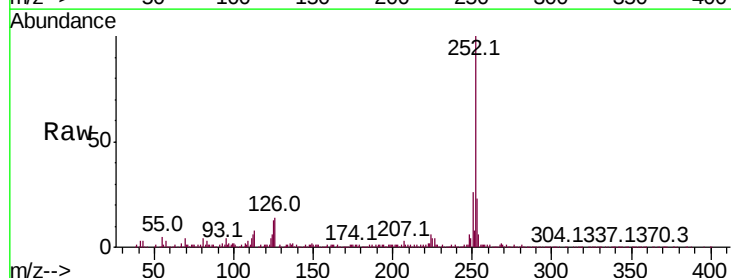
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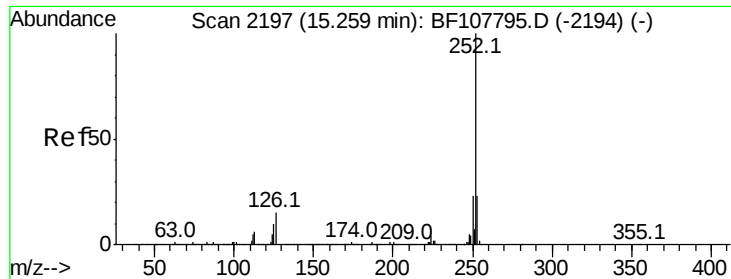
Sohil
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#87
Benzo(b)fluoranthene
Concen: 18.074 ng m
RT: 15.23 min Scan# 2192
Delta R.T. -0.00 min
Lab File: BF107859.D
Acq: 31 Jul 2018 19:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	12.8	9.0	13.6





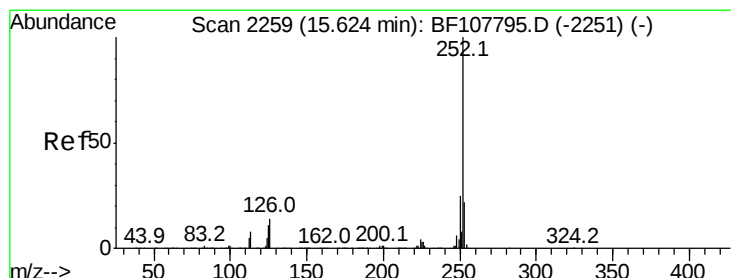
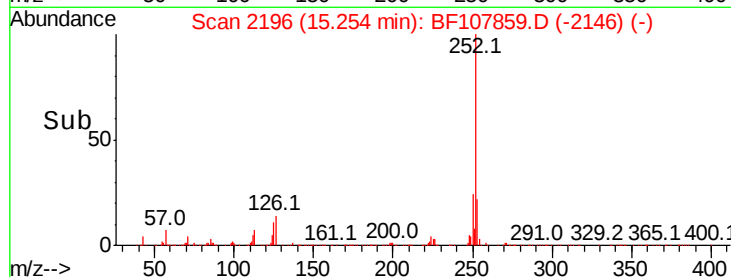
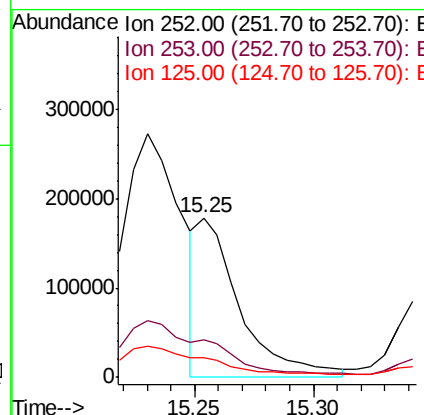
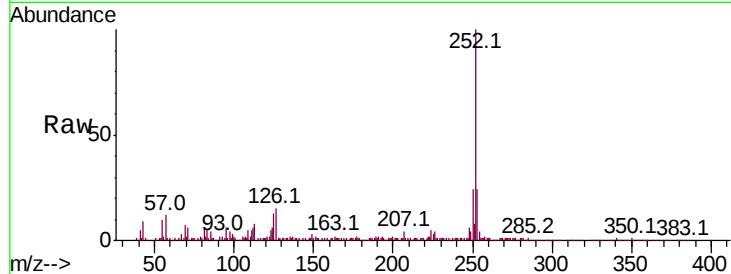
#88
Benzo(k)fluoranthene
Concen: 7.132 ng m
RT: 15.25 min Scan# 2196
Delta R.T. -0.01 min
Lab File: BF107859.D
Acq: 31 Jul 2018 19:40

Instrument :
BNA_F
ClientSampleId :
GW-02(3-5)

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.9	26.9
125	12.6	10.2	15.2

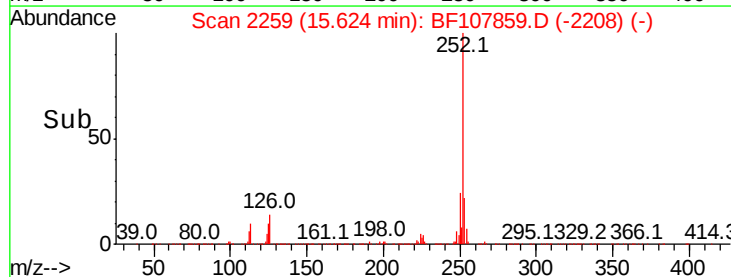
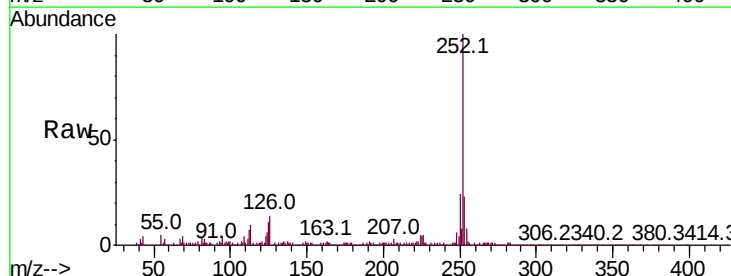
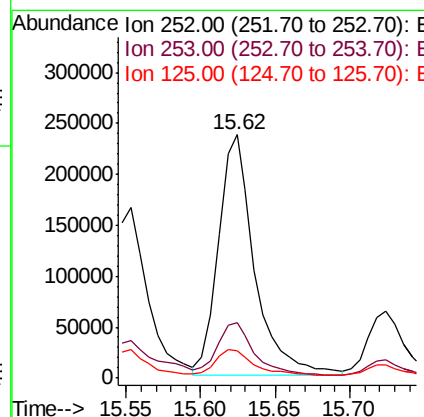
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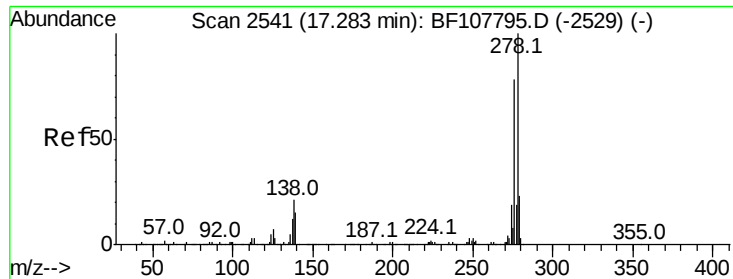
Sohil
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#89
Benzo(a)pyrene
Concen: 15.237 ng
RT: 15.62 min Scan# 2259
Delta R.T. -0.00 min
Lab File: BF107859.D
Acq: 31 Jul 2018 19:40

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	11.0	9.8	14.6





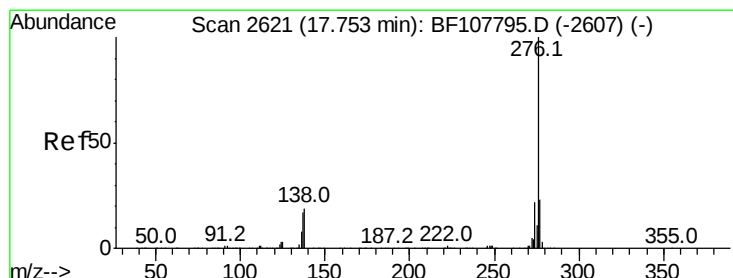
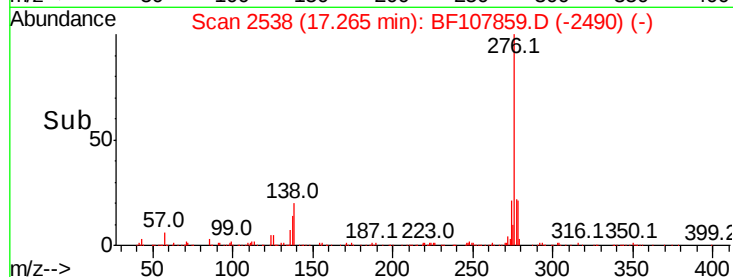
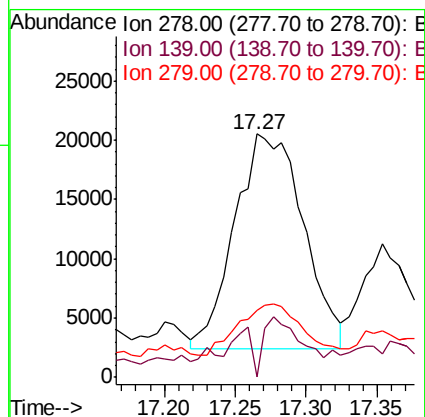
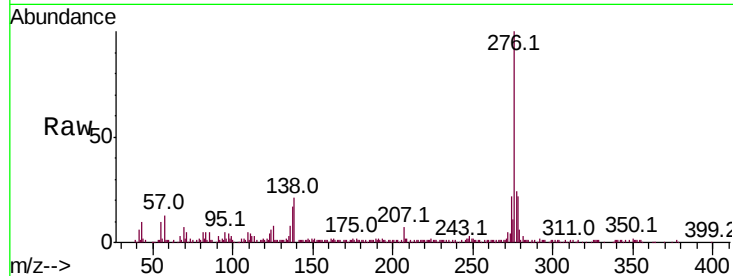
#90
Dibenzo(a,h)anthracene
Concen: 2.628 ng m
RT: 17.27 min Scan# 2538
Delta R.T. -0.02 min
Lab File: BF107859.D
Acq: 31 Jul 2018 19:40

Instrument :
BNA_F
ClientSampleId :
GW-02(3-5)

Tot Ion	Ratio	Lower	Upper
278	100		
139	0.0	15.9	23.9#
279	27.4	19.0	28.4

Manual Integrations
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#91
Benzo(g,h,i)perylene
Concen: 10.278 ng
RT: 17.75 min Scan# 2621
Delta R.T. -0.00 min
Lab File: BF107859.D
Acq: 31 Jul 2018 19:40

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.7	17.9	26.9
138	25.1	21.8	32.8

