

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073018\
 Data File : BF107831.D
 Acq On : 31 Jul 2018 5:45
 Operator : JU/SJ
 Sample : J4184-03RE
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-6BRE

Manual Integrations
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Sohil
 7/31/2018 2:43:11 PM

Quant Time: Jul 31 07:15:05 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	193703	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	855449	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	319324	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	540917	20.00	ng	0.00
75) Chrysene-d12	14.15	240	568110	20.00	ng	0.00
86) Perylene-d12	15.68	264	463498	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.64	112	25694m	2.25	ng	0.05
7) Phenol-d6	6.62	99	49030	3.26	ng	0.02
23) Nitrobenzene-d5	7.55	82	48491	3.27	ng	0.01
41) 2,4,6-Tribromophenol	10.80	330	15372	3.54	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	123763	5.40	ng	0.00
78) Terphenyl-d14	13.08	244	113229	4.32	ng	0.00

Target Compounds

						Qvalue
10) Phenol	6.64	94	48908	2.730	ng	80
31) Naphthalene	8.27	128	539299	13.562	ng	99
37) 2-Methylnaphthalene	8.95	142	204298	8.179	ng	98
45) 1,1'-Biphenyl	9.42	154	76793	2.643	ng	98
48) Acenaphthylene	9.87	152	570050	16.779	ng	99
49) Dimethylphthalate	9.71	163	437031	18.224	ng	100
51) Acenaphthene	10.04	154	65779	3.333	ng	98
57) Fluorene	10.55	166	142132	5.996	ng	# 97
70) Phenanthrene	11.52	178	588475	22.912	ng	99
71) Anthracene	11.58	178	188161	6.351	ng	98
74) Fluoranthene	12.72	202	321908	10.668	ng	97
77) Pyrene	12.95	202	447317	10.935	ng	97
80) Benzo(a)anthracene	14.14	228	93361m	2.901	ng	
82) Chrysene	14.18	228	69538	2.003	ng	98
89) Benzo(a)pyrene	15.62	252	57722	2.446	ng	# 95

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

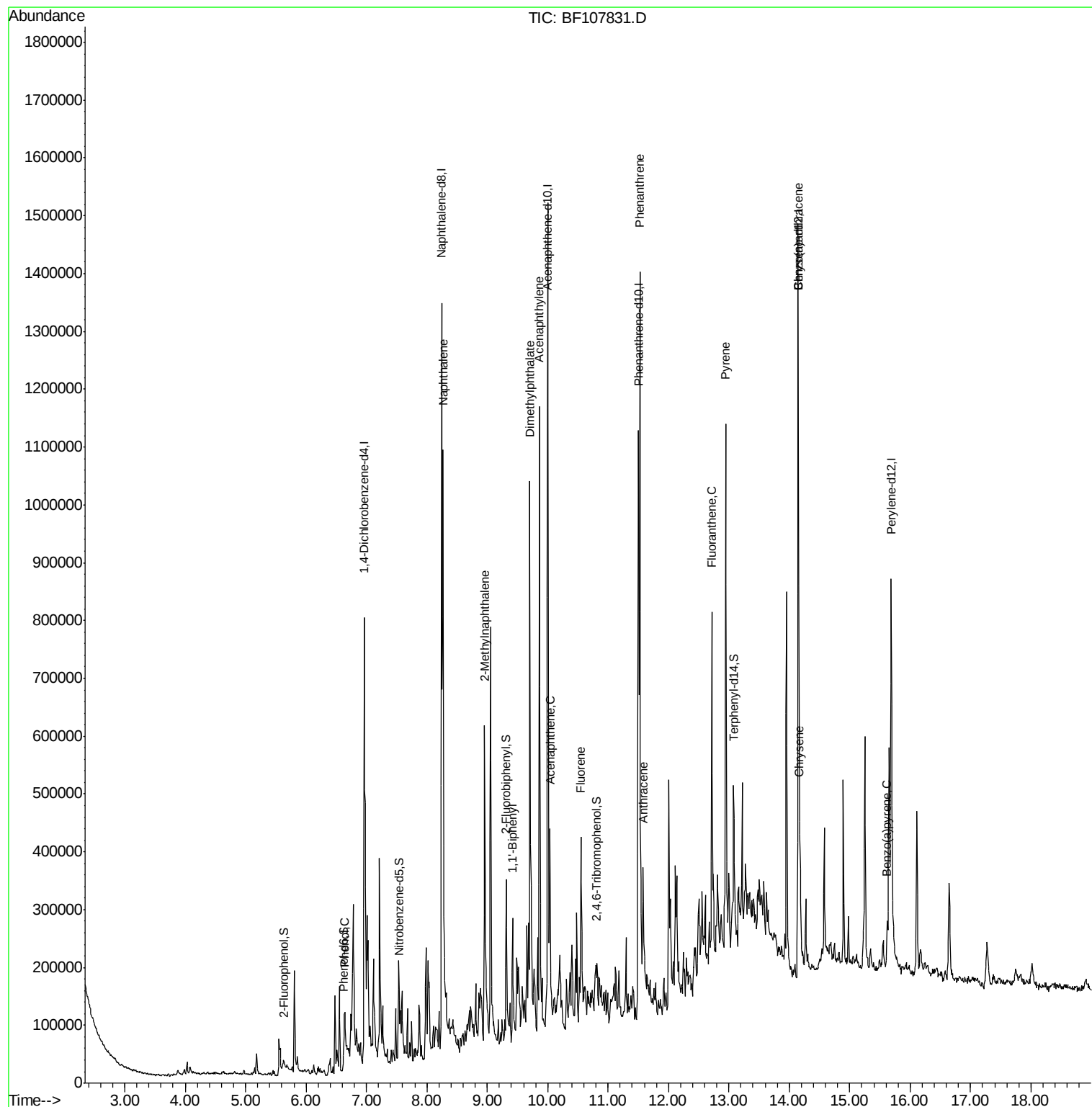
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073018\
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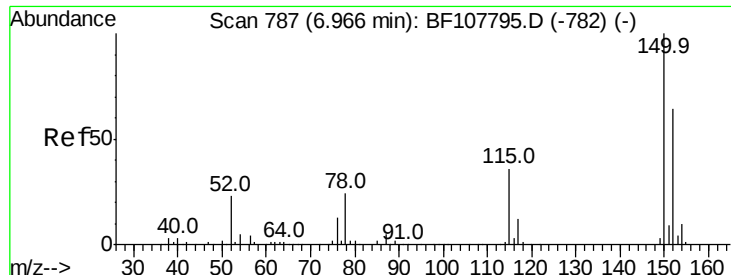
Instrument :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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#1

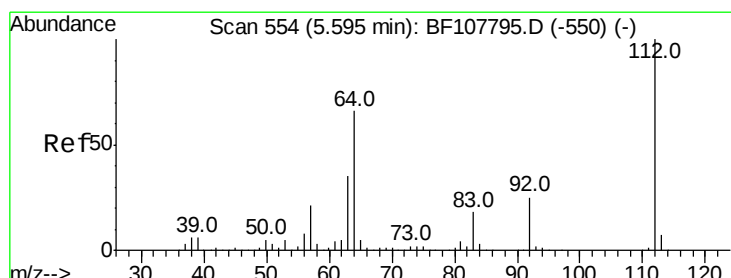
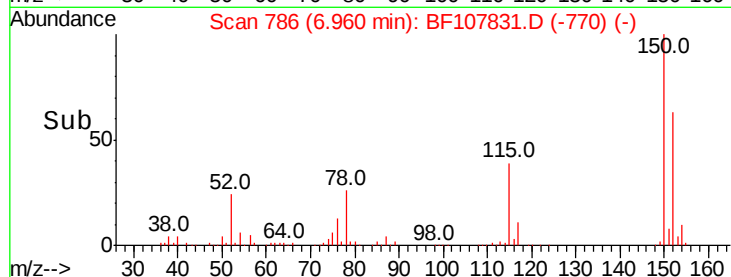
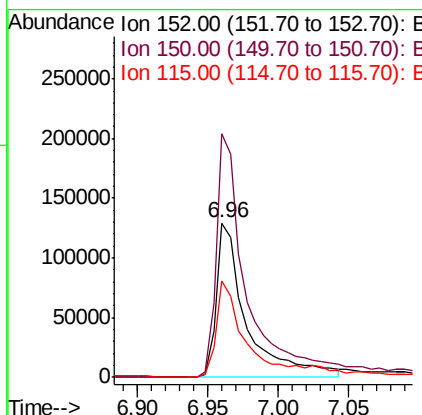
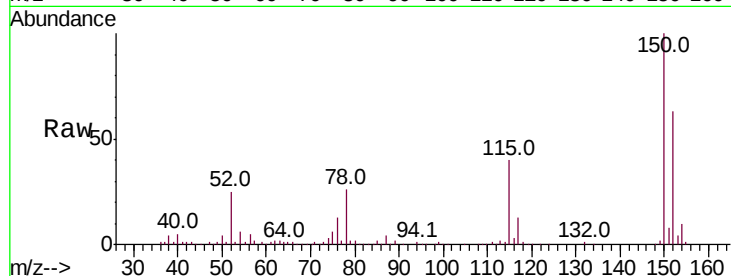
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF107831.D
Acq: 31 Jul 2018 5:45

Instrument :
BNA_F
ClientSampled :
MW-6BRE

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	124.6	186.8
115	62.4	50.1	75.1

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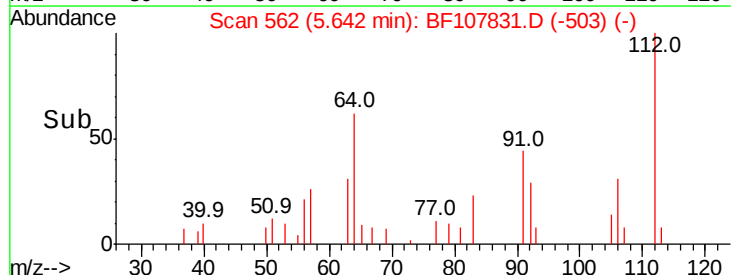
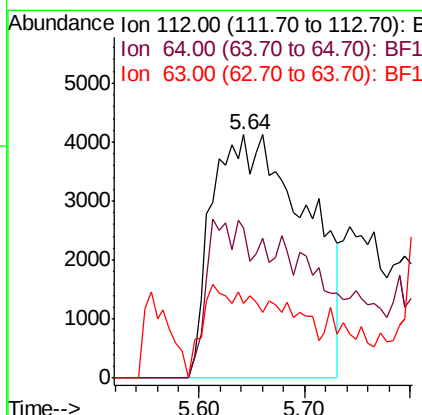
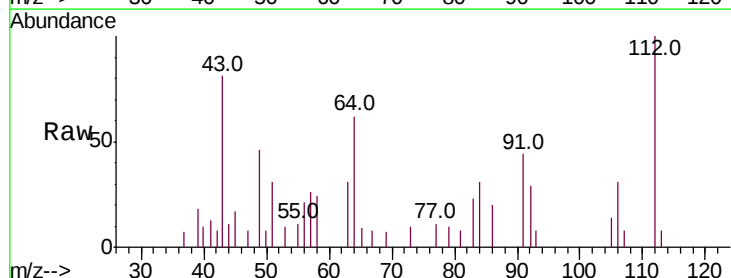
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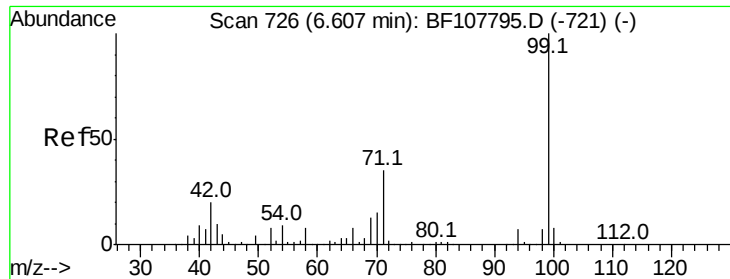


#5

2-Fluorophenol
Concen: 2.254 ng m
RT: 5.64 min Scan# 562
Delta R.T. 0.05 min
Lab File: BF107831.D
Acq: 31 Jul 2018 5:45

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.7	47.9	71.9
63	30.9	23.7	35.5





#7

Phenol-d6

Concen: 3.264 ng

RT: 6.62 min Scan# 729

Delta R.T. 0.02 min

Lab File: BF107831.D

Acq: 31 Jul 2018 5:45

Instrument :

BNA_F

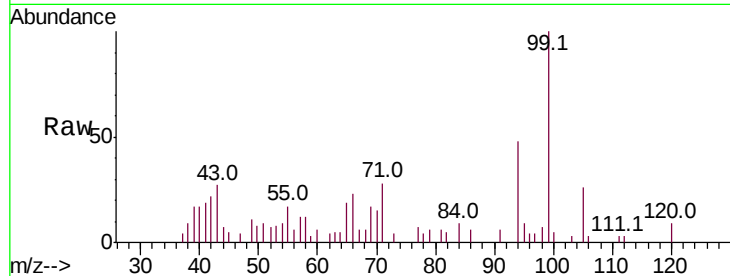
ClientSampled :

MW-6BRE

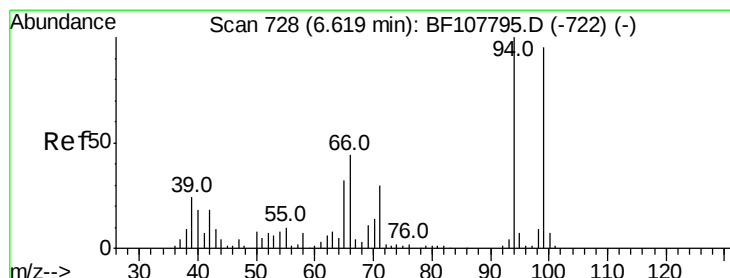
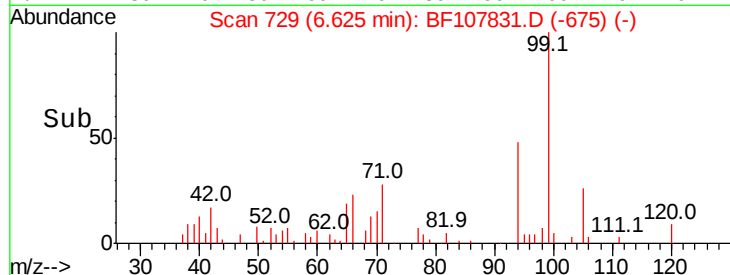
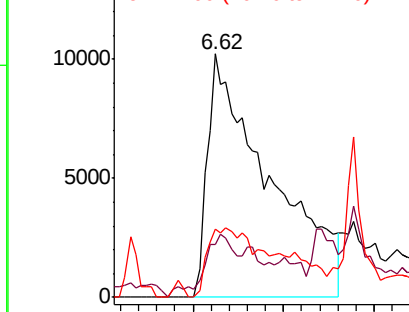
Tot Ion:	99	Resp:	49030
Ion Ratio	Lower	Upper	
99	100		
42	21.6	14.5	21.7
71	28.2	25.4	38.0

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Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 2.730 ng

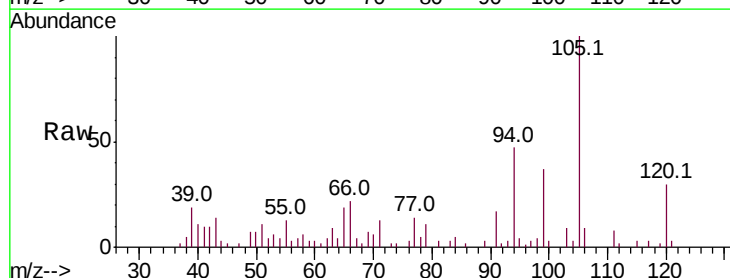
RT: 6.64 min Scan# 732

Delta R.T. 0.02 min

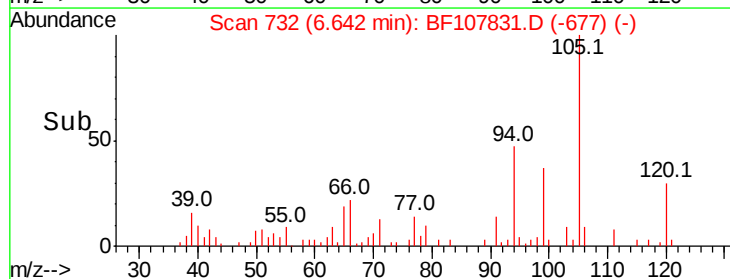
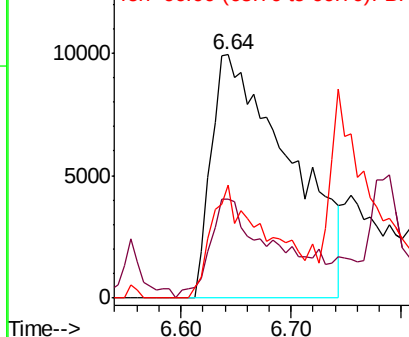
Lab File: BF107831.D

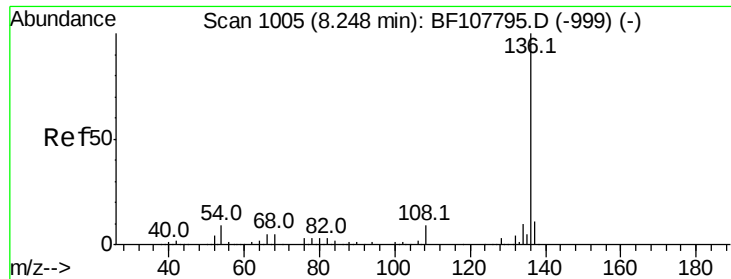
Acq: 31 Jul 2018 5:45

Tgt Ion:	94	Resp:	48908
Ion Ratio	Lower	Upper	
94	100		
65	40.9	7.9	47.9
66	46.3	16.2	56.2



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1





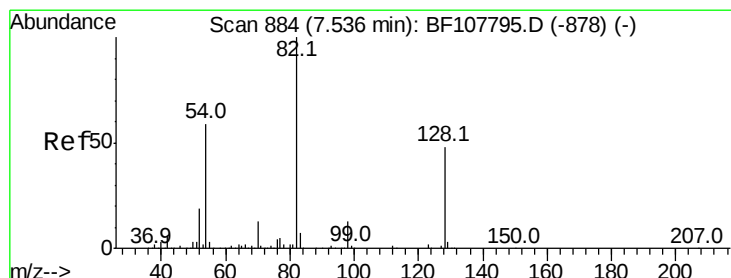
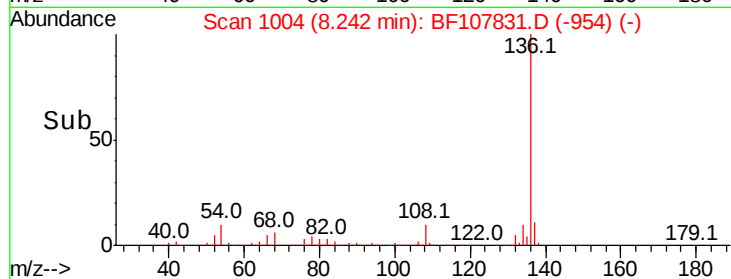
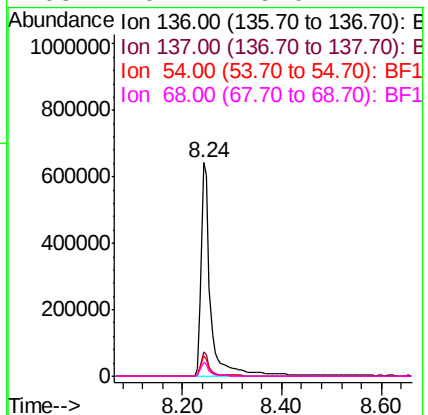
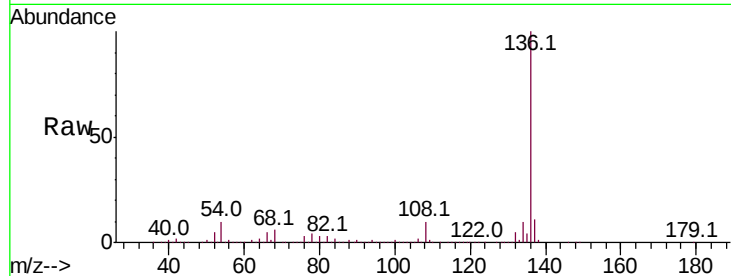
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF107831.D
Acq: 31 Jul 2018 5:45

Instrument :
BNA_F
ClientSampled :
MW-6BRE

Tot Ion	Ratio	Resp	Lower	Upper
136	100			
137	11.2	8.9	13.3	
54	9.8	6.6	9.8	
68	6.4	5.0	7.4	

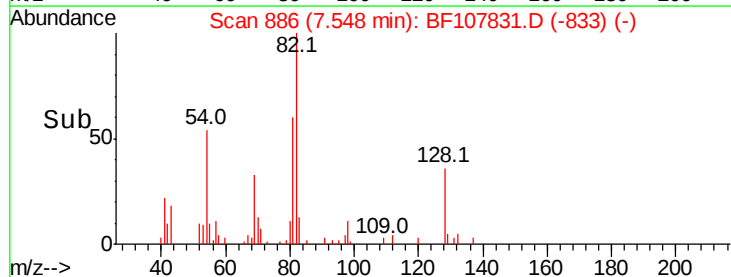
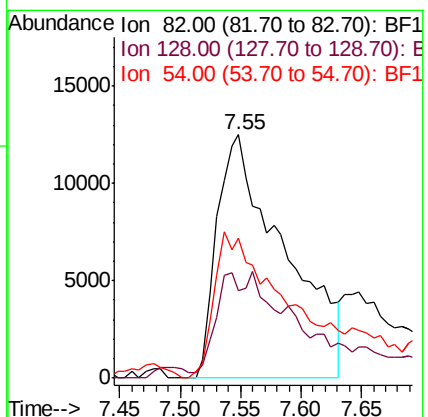
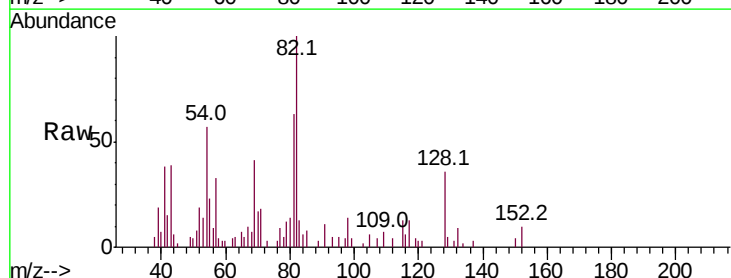
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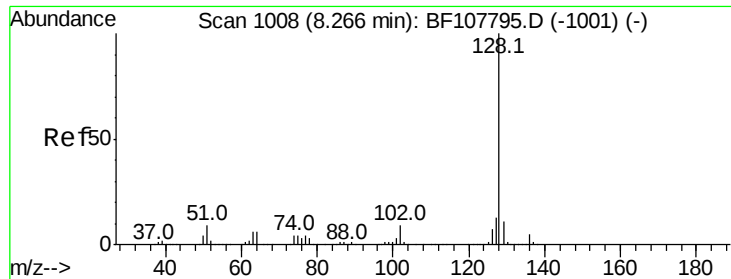
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#23
Nitrobenzene-d5
Concen: 3.266 ng
RT: 7.55 min Scan# 886
Delta R.T. 0.01 min
Lab File: BF107831.D
Acq: 31 Jul 2018 5:45

Tgt Ion	Ratio	Resp	Lower	Upper
82	100			
128	35.7	36.1	54.1#	
54	57.2	41.4	62.2	





#31

Naphthalene

Concen: 13.562 ng

RT: 8.27 min Scan# 1008

Delta R.T. 0.00 min

Lab File: BF107831.D

Acq: 31 Jul 2018 5:45

Instrument :

BNA_F

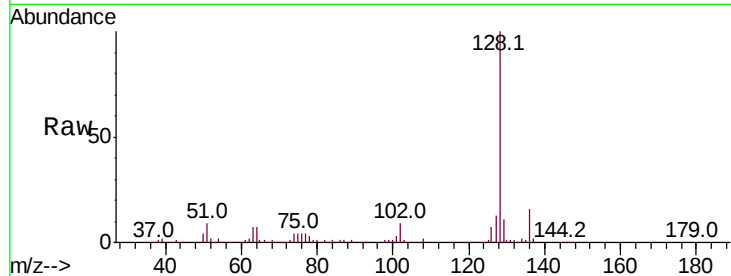
ClientSampleId :

MW-6BRE

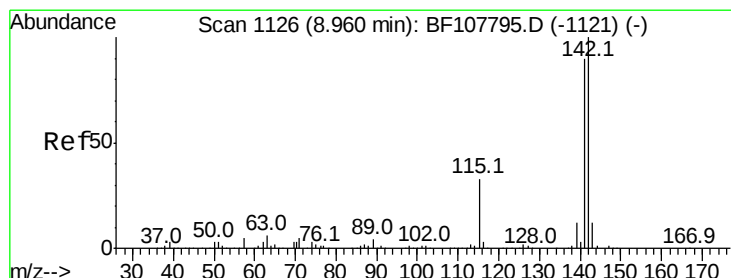
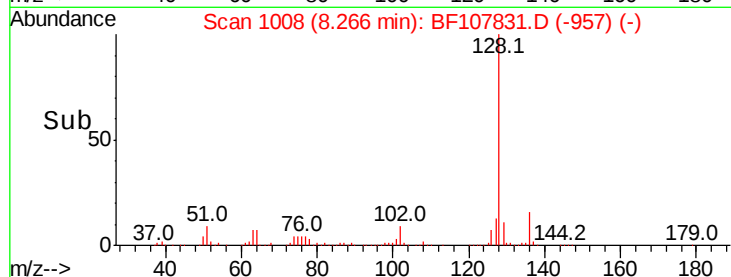
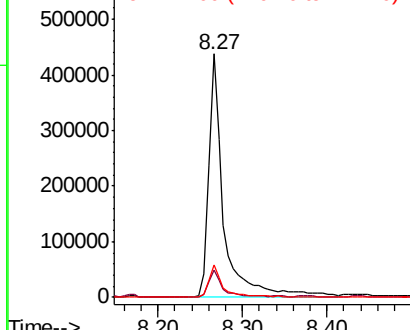
Tot Ion:	128	Resp:	539299
Ion Ratio	Lower	Upper	
128	100		
129	11.3	8.8	13.2
127	13.1	10.9	16.3

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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: 8.179 ng

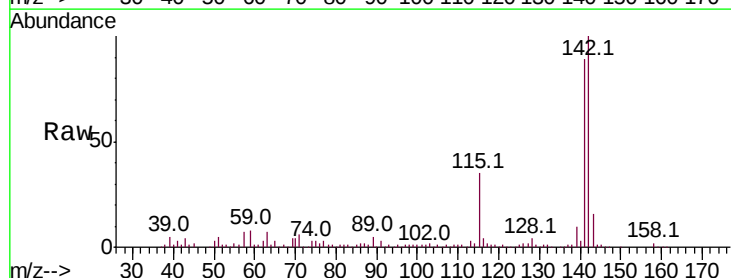
RT: 8.95 min Scan# 1125

Delta R.T. -0.01 min

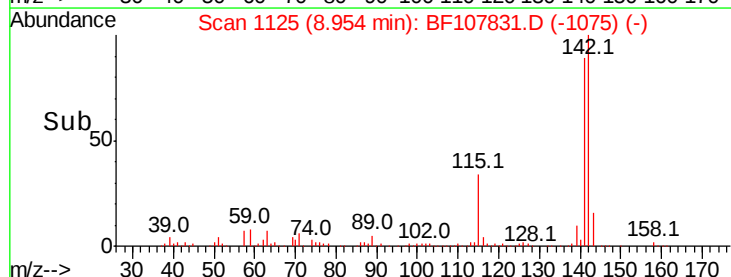
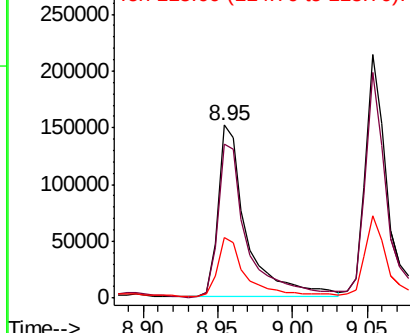
Lab File: BF107831.D

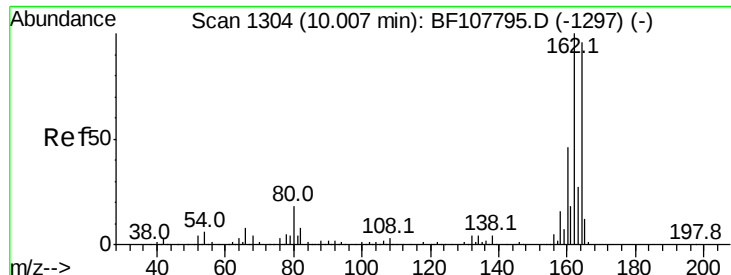
Acq: 31 Jul 2018 5:45

Tgt Ion:	142	Resp:	204298
Ion Ratio	Lower	Upper	
142	100		
141	89.0	70.8	106.2
115	35.1	26.1	39.1



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E





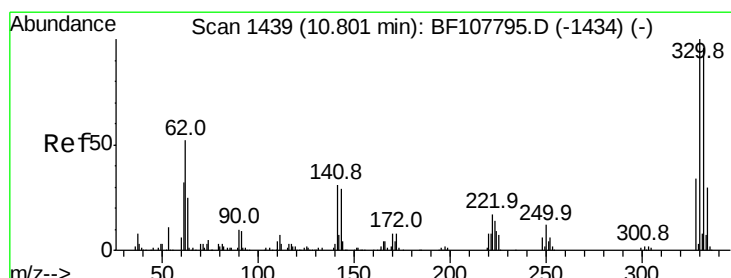
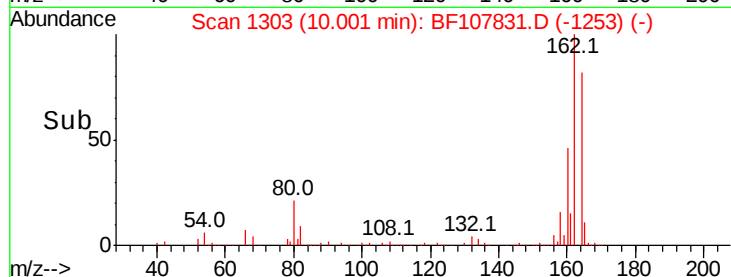
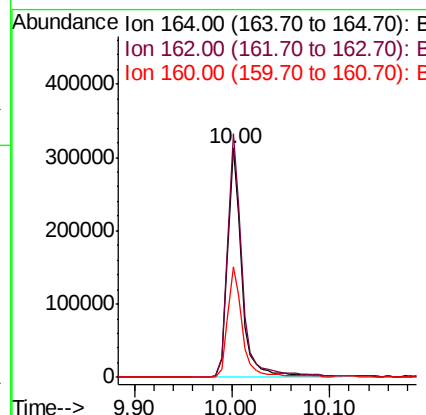
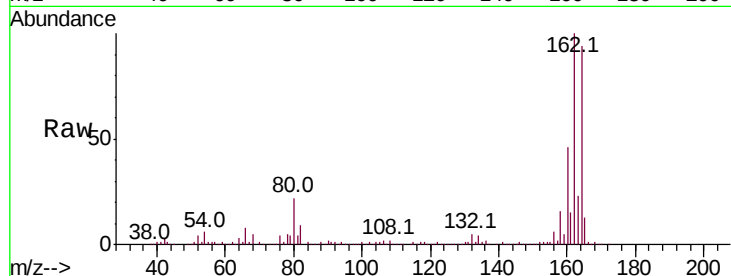
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.00 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BF107831.D
Acq: 31 Jul 2018 5:45

Instrument :
BNA_F
ClientSampleId :
MW-6BRE

Tot Ion	Ratio	Lower	Upper
164	100		
162	106.3	86.1	129.1
160	48.5	38.3	57.5

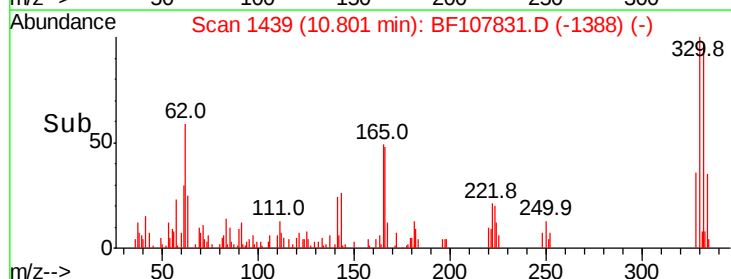
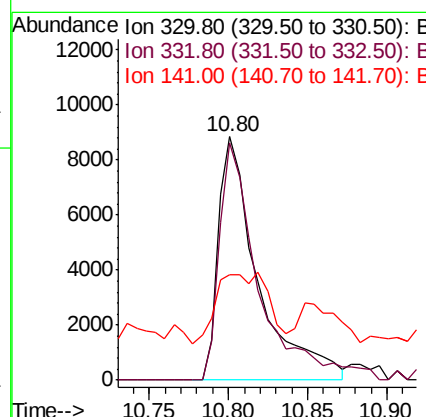
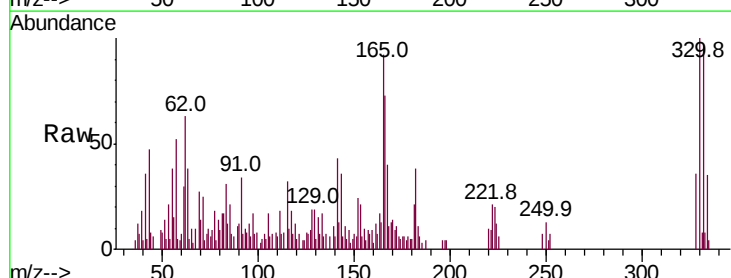
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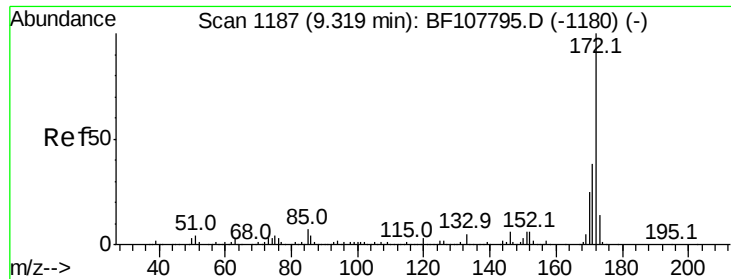
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#41
2,4,6-Tribromophenol
Concen: 3.543 ng
RT: 10.80 min Scan# 1439
Delta R.T. 0.00 min
Lab File: BF107831.D
Acq: 31 Jul 2018 5:45

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.9	77.0	115.6
141	38.0	29.9	44.9





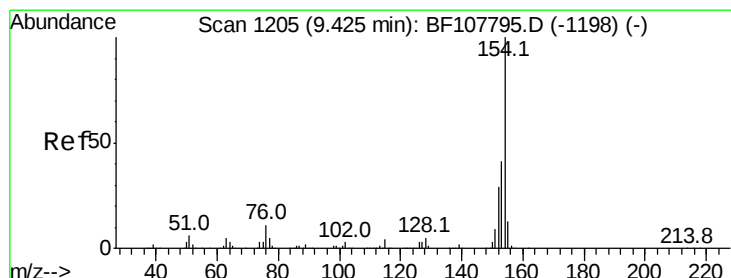
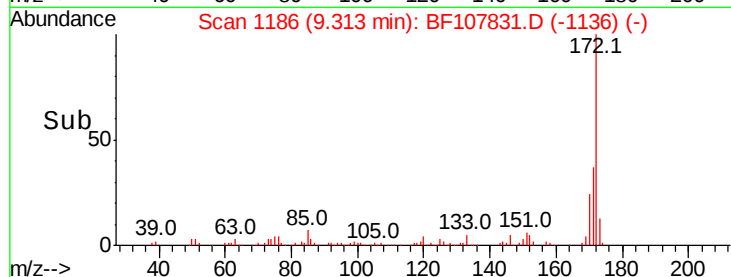
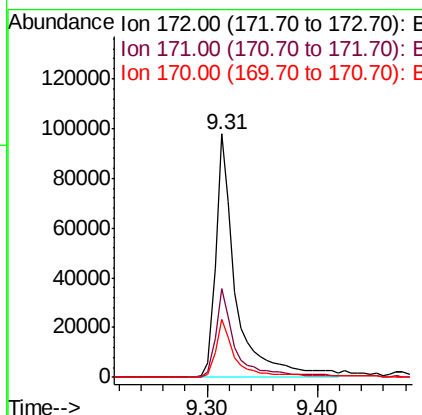
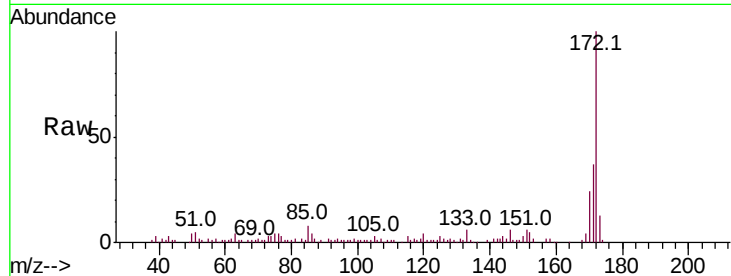
#44
2-Fluorobiphenyl
Concen: 5.401 ng
RT: 9.31 min Scan# 1186
Delta R.T. -0.01 min
Lab File: BF107831.D
Acq: 31 Jul 2018 5:45

Instrument :
BNA_F
ClientSampleId :
MW-6BRE

Tot Ion	Ratio	Resp	Lower	Upper
172	100			
171	36.7	29.7	44.5	
170	23.9	19.6	29.4	

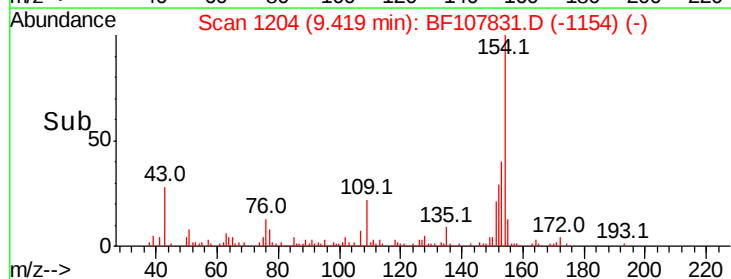
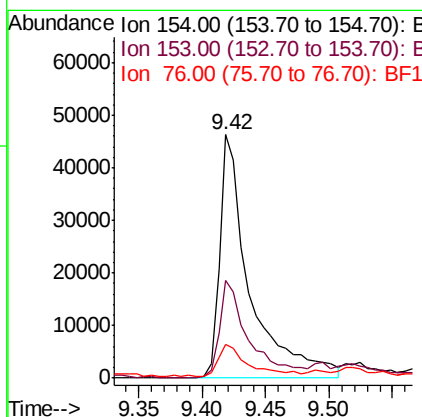
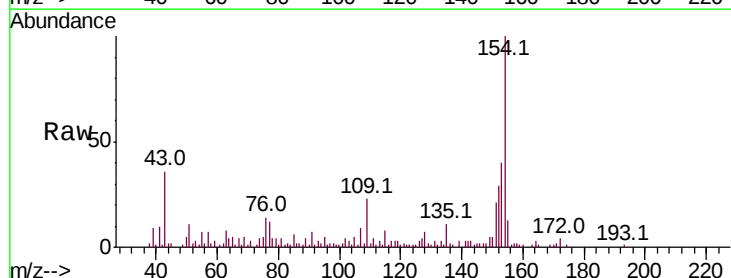
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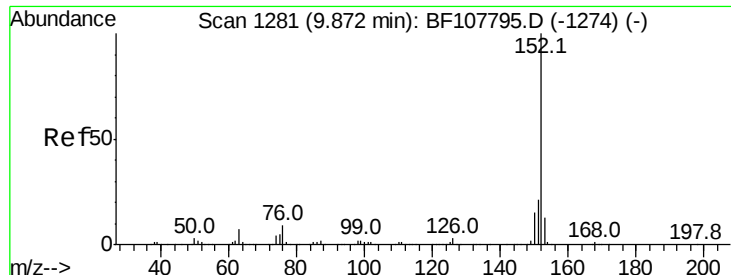
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#45
1,1'-Biphenyl
Concen: 2.643 ng
RT: 9.42 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF107831.D
Acq: 31 Jul 2018 5:45

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	40.1	21.3	61.3	
76	13.8	0.0	34.0	





#48

Acenaphthylene

Concen: 16.779 ng

RT: 9.87 min Scan# 1280

Delta R.T. -0.01 min

Lab File: BF107831.D

Acq: 31 Jul 2018 5:45

Instrument :

BNA_F

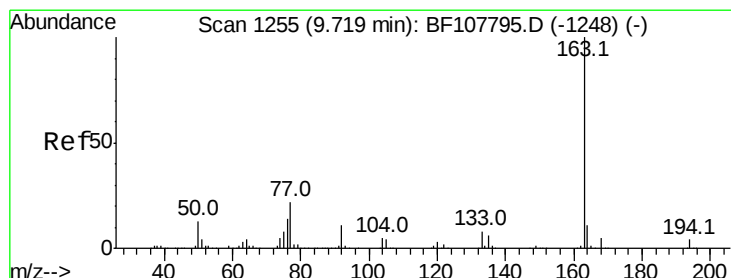
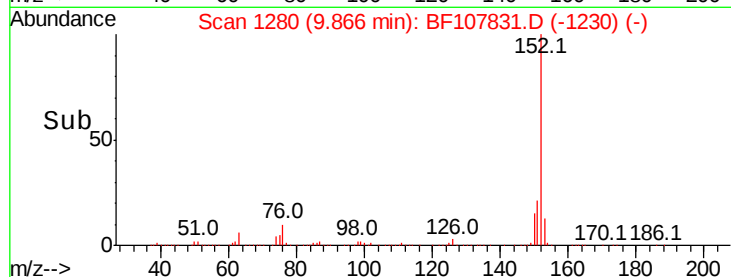
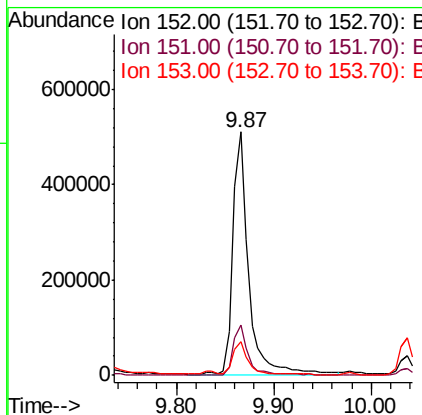
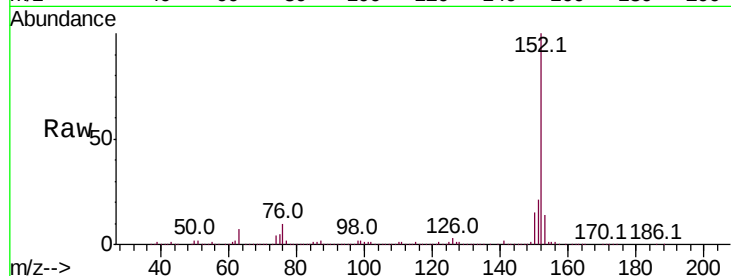
ClientSampleId :

MW-6BRE

Tot Ion:	152	Resp:	570050
Ion Ratio	Lower	Upper	
152	100		
151	20.6	16.3	24.5
153	13.6	10.7	16.1

Manual Integrations
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#49

Dimethylphthalate

Concen: 18.224 ng

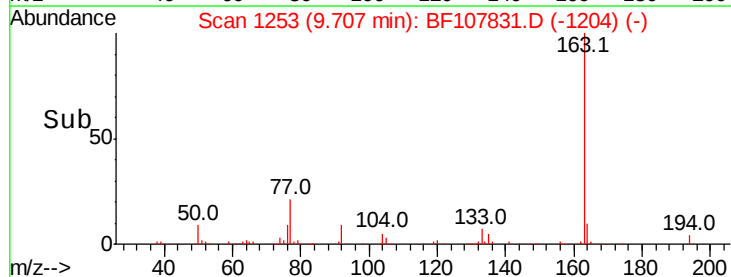
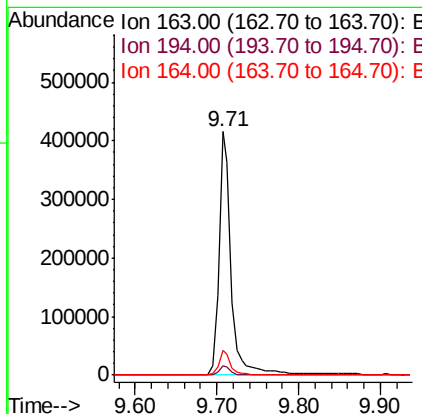
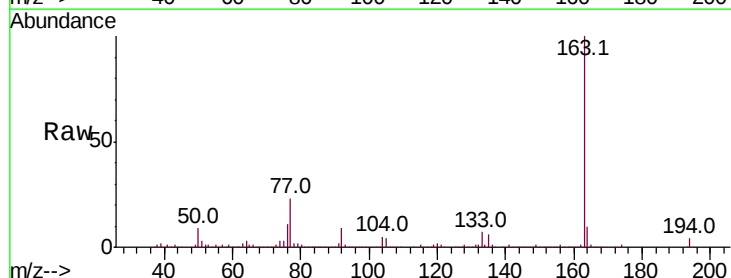
RT: 9.71 min Scan# 1253

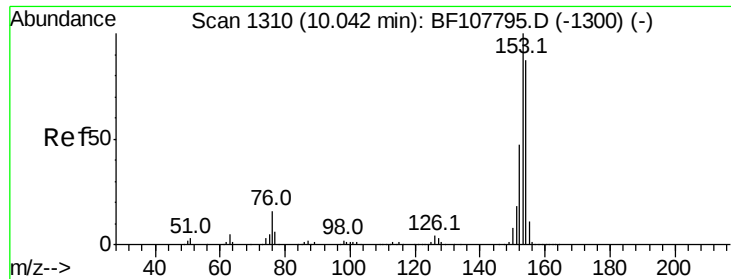
Delta R.T. -0.01 min

Lab File: BF107831.D

Acq: 31 Jul 2018 5:45

Tgt Ion:	163	Resp:	437031
Ion Ratio	Lower	Upper	
163	100		
194	3.6	2.7	4.1
164	10.3	8.2	12.2





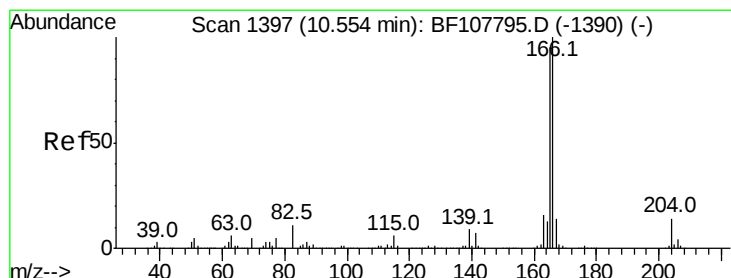
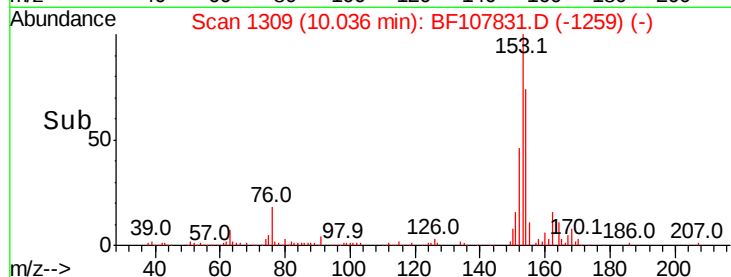
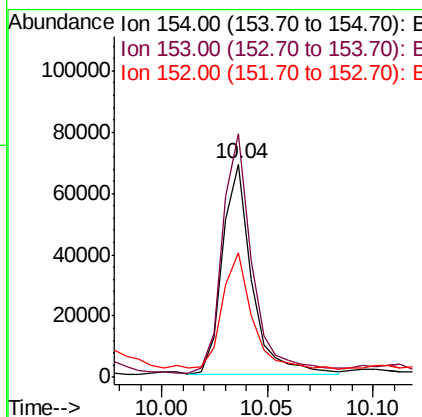
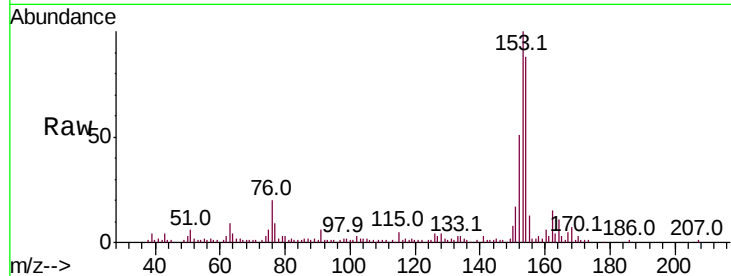
#51
Acenaphthene
Concen: 3.333 ng
RT: 10.04 min Scan# 1309
Delta R.T. -0.01 min
Lab File: BF107831.D
Acq: 31 Jul 2018 5:45

Instrument :
BNA_F
ClientSampled :
MW-6BRE

Tot Ion	Ratio	Lower	Upper
154	100		
153	114.2	91.2	136.8
152	58.2	43.8	65.8

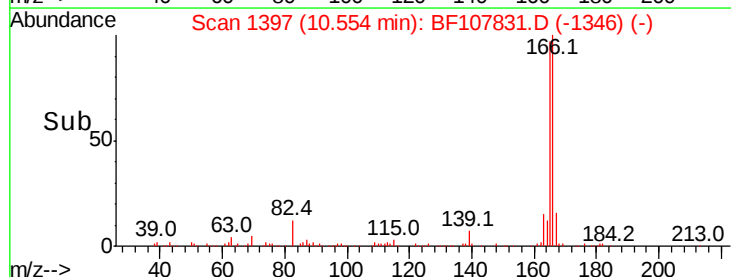
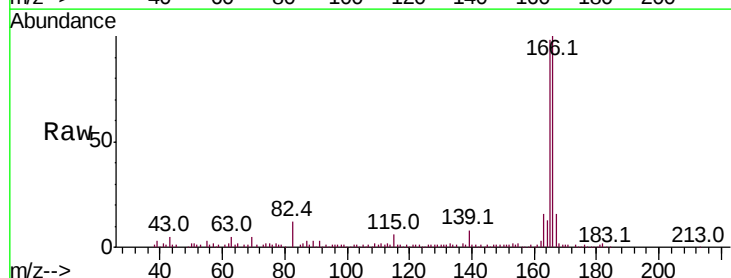
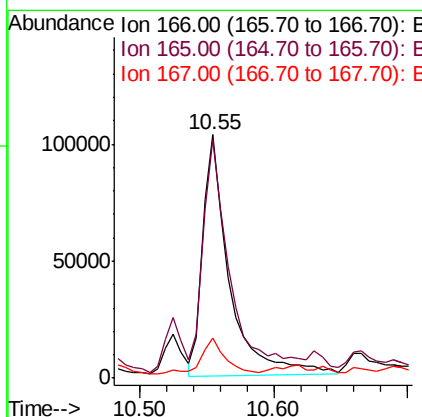
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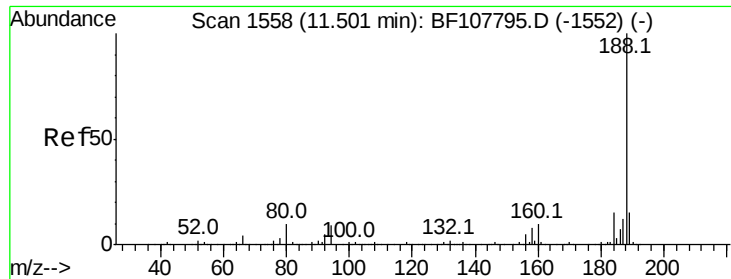
Sohil
7/31/2018 2:43:11 PM



#57
Fluorene
Concen: 5.996 ng
RT: 10.55 min Scan# 1397
Delta R.T. 0.00 min
Lab File: BF107831.D
Acq: 31 Jul 2018 5:45

Tgt Ion	Ratio	Lower	Upper
166	100		
165	97.8	79.8	119.8
167	16.4	10.6	16.0#





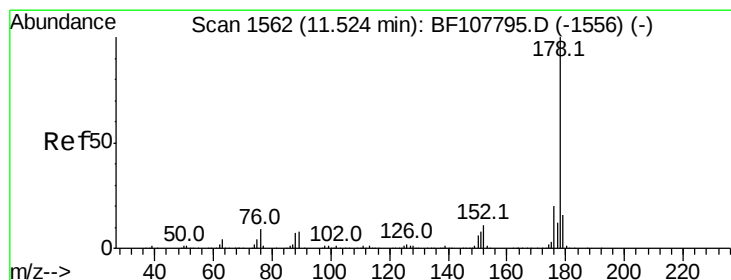
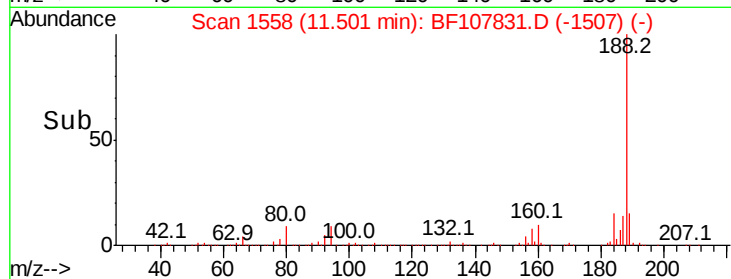
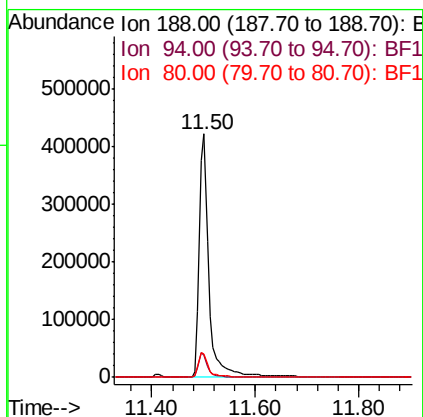
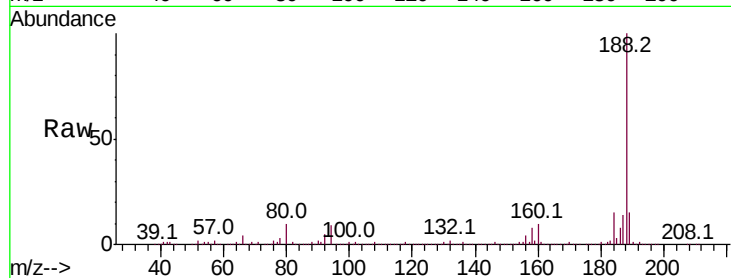
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1558
Delta R.T. 0.00 min
Lab File: BF107831.D
Acq: 31 Jul 2018 5:45

Instrument :
BNA_F
ClientSampleId :
MW-6BRE

Tot Ion	Ratio	Resp Lower	Upper
188	100		
94	9.4	8.5	12.7
80	9.6	9.2	13.8

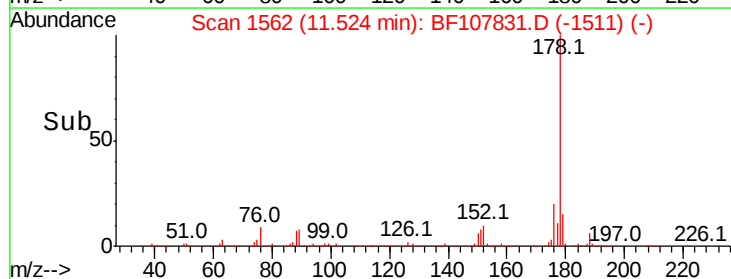
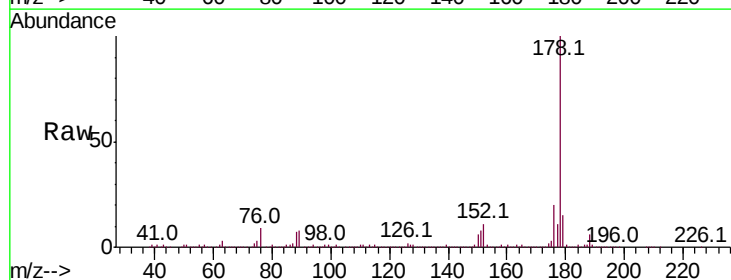
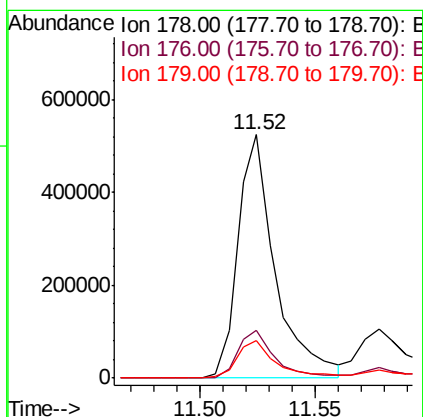
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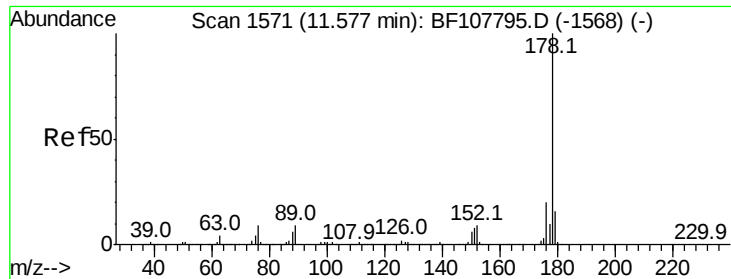
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#70
Phenanthrene
Concen: 22.912 ng
RT: 11.52 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF107831.D
Acq: 31 Jul 2018 5:45

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





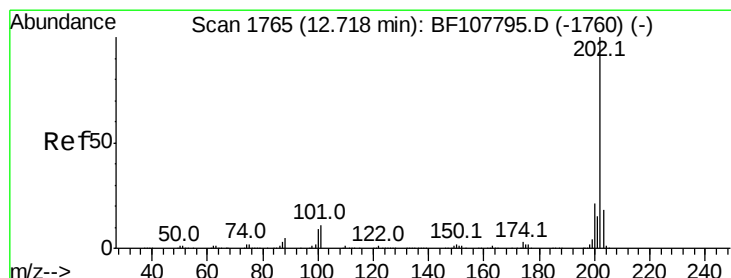
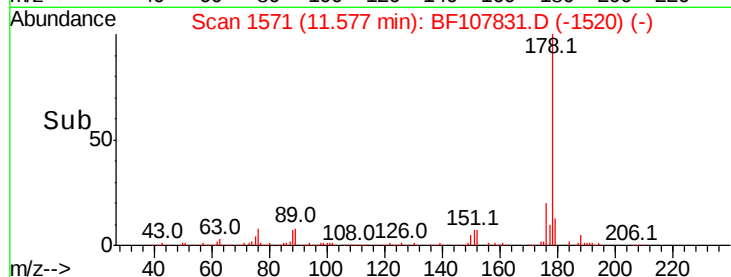
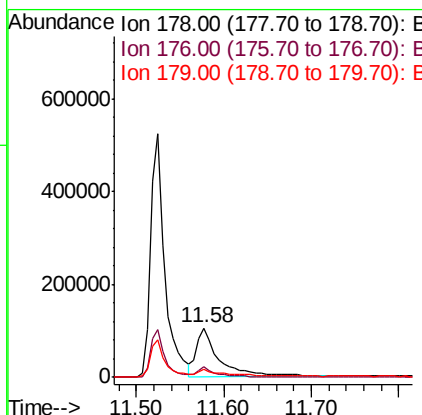
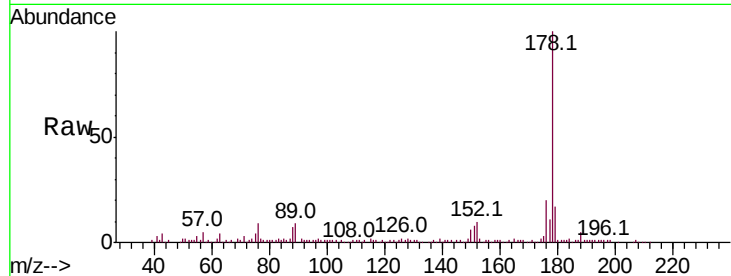
#71
 Anthracene
 Concen: 6.351 ng
 RT: 11.58 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: BF107831.D
 Acq: 31 Jul 2018 5:45

Instrument :
 BNA_F
 ClientSampleId :
 MW-6BRE

Tot Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.4	23.2
179	16.6	12.6	19.0

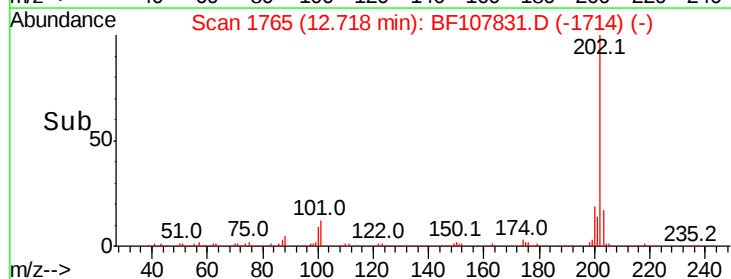
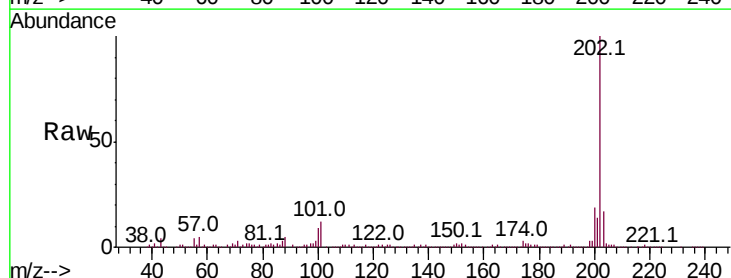
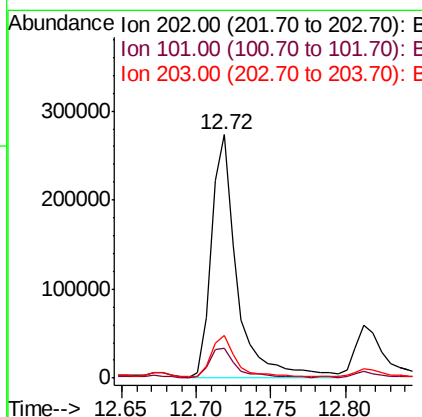
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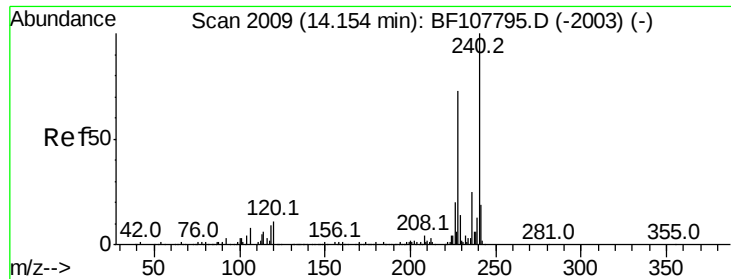
Sohil
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#74
 Fluoranthene
 Concen: 10.668 ng
 RT: 12.72 min Scan# 1765
 Delta R.T. 0.00 min
 Lab File: BF107831.D
 Acq: 31 Jul 2018 5:45

Tgt Ion	Ratio	Lower	Upper
202	100		
101	12.5	0.0	34.1
203	17.5	0.0	38.1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2009

Delta R.T. 0.00 min

Lab File: BF107831.D

Acq: 31 Jul 2018 5:45

Instrument :

BNA_F

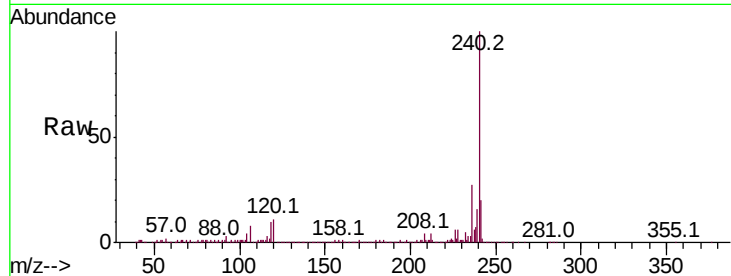
ClientSampleId :

MW-6BRE

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.1	9.5	14.3
236	26.6	20.7	31.1

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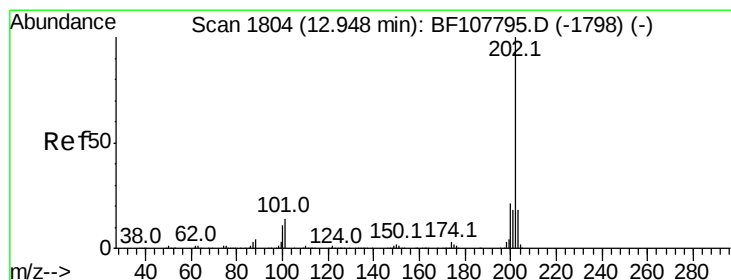
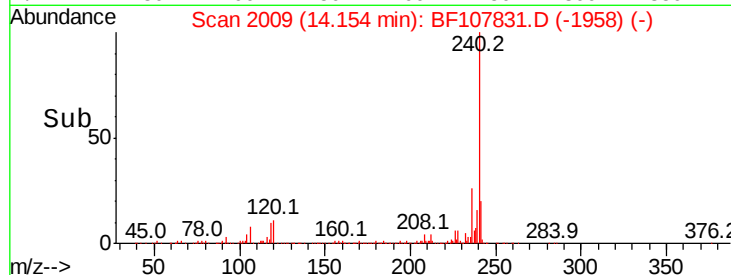
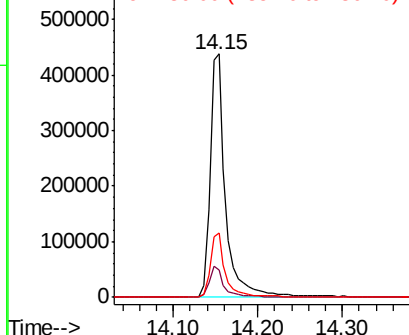


Abundance

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: 10.935 ng

RT: 12.95 min Scan# 1804

Delta R.T. 0.00 min

Lab File: BF107831.D

Acq: 31 Jul 2018 5:45

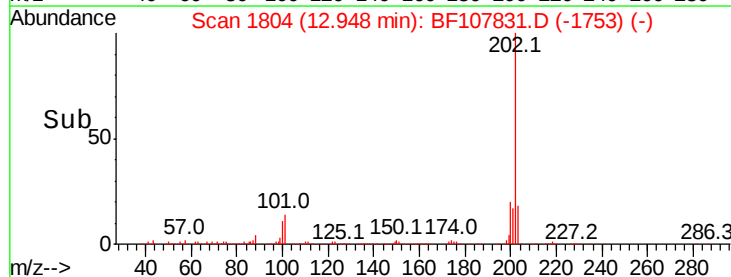
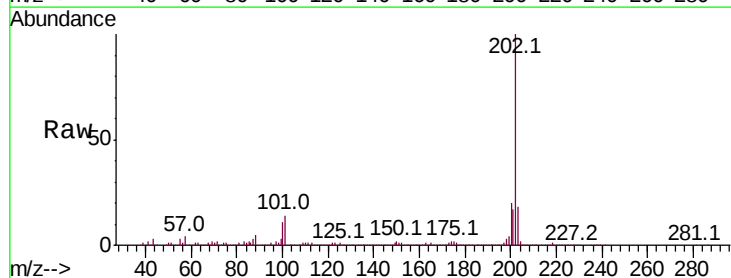
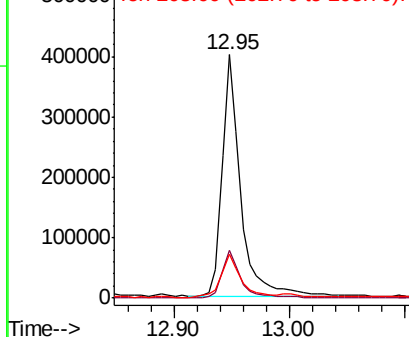
Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.7	17.4	26.2
203	18.2	14.3	21.5

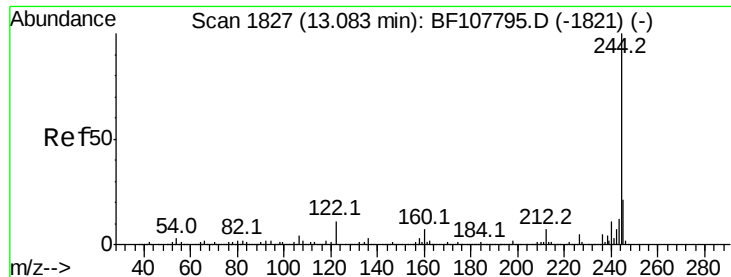
Abundance

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: 4.322 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.01 min

Lab File: BF107831.D

Acq: 31 Jul 2018 5:45

Instrument :

BNA_F

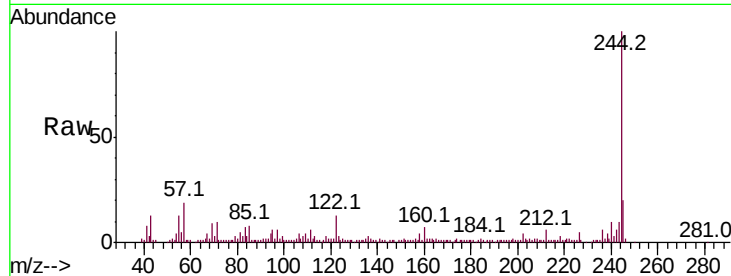
ClientSampleId :

MW-6BRE

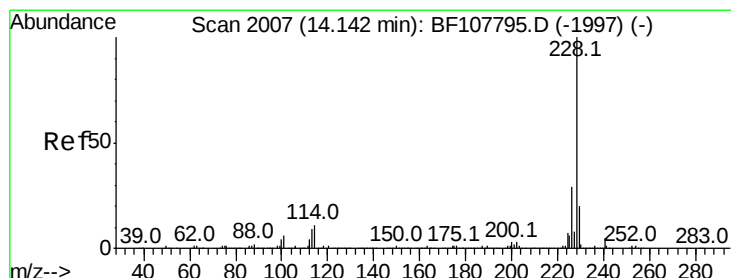
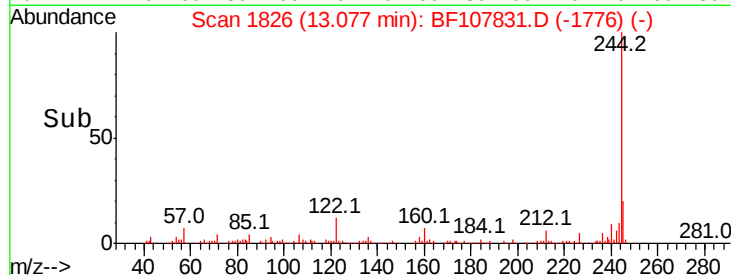
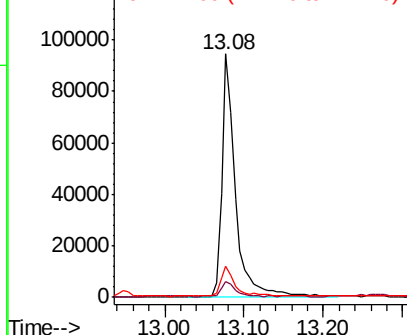
Tot Ion:	244	Resp:	113229
Ion Ratio		Lower	Upper
244	100		
212	6.3	5.4	8.0
122	12.5	11.0	16.4

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



#80

Benzo(a)anthracene

Concen: 2.901 ng m

RT: 14.14 min Scan# 2007

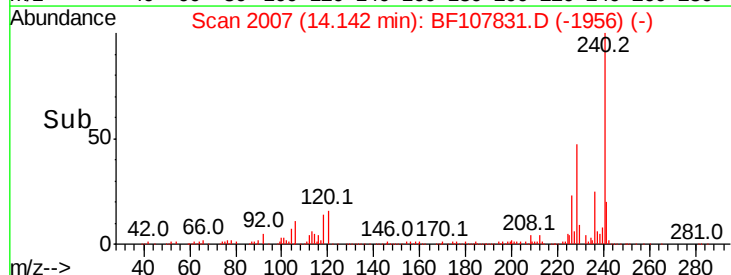
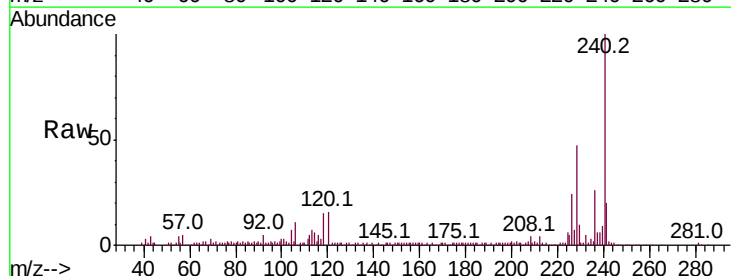
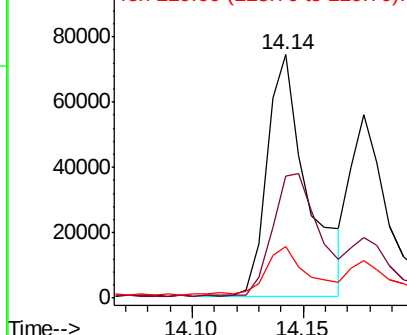
Delta R.T. 0.00 min

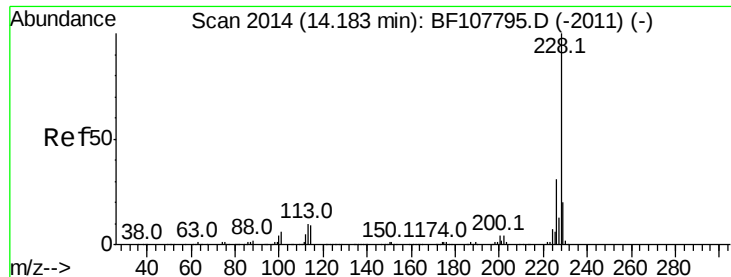
Lab File: BF107831.D

Acq: 31 Jul 2018 5:45

Tgt Ion:	228	Resp:	93361
Ion Ratio		Lower	Upper
228	100		
226	50.4	22.6	33.8#
229	21.4	15.8	23.6

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





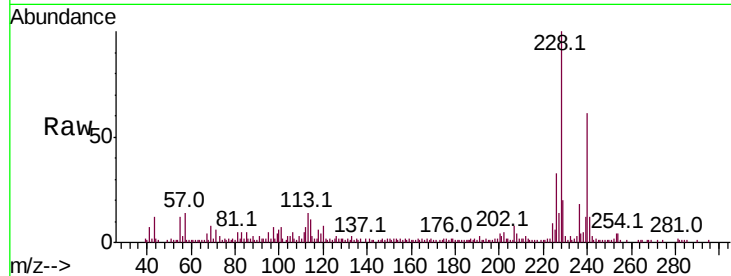
#82
Chrysene
Concen: 2.003 ng
RT: 14.18 min Scan# 2013
Delta R.T. -0.01 min
Lab File: BF107831.D
Acq: 31 Jul 2018 5:45

Instrument :
BNA_F
ClientSampled :
MW-6BRE

Tot Ion	Ratio	Lower	Upper
228	100		
226	33.5	25.0	37.6
229	20.3	16.2	24.4

Manual Integrations
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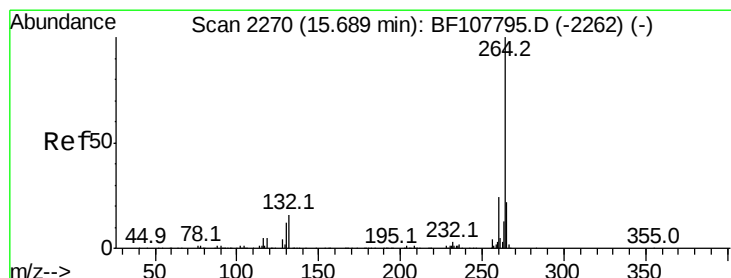
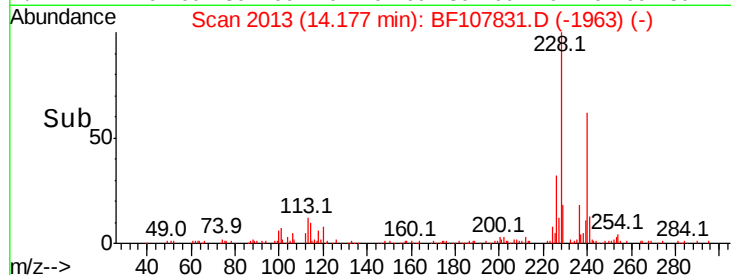
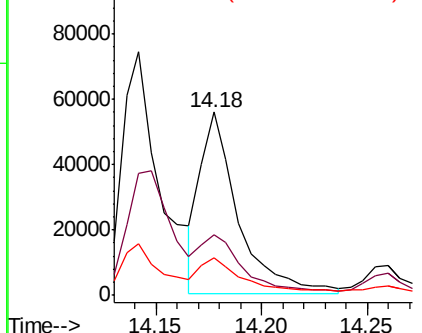


Abundance

Ion 228.00 (227.70 to 228.70): E

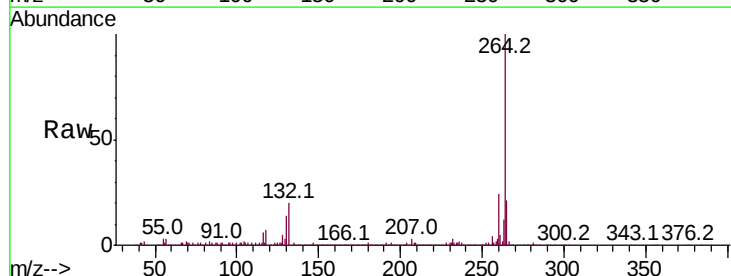
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.01 min
Lab File: BF107831.D
Acq: 31 Jul 2018 5:45

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	21.2	17.5	26.3

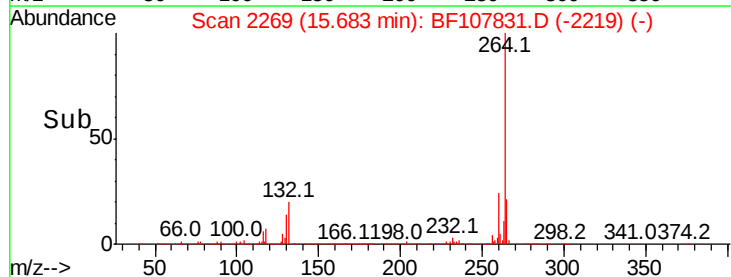
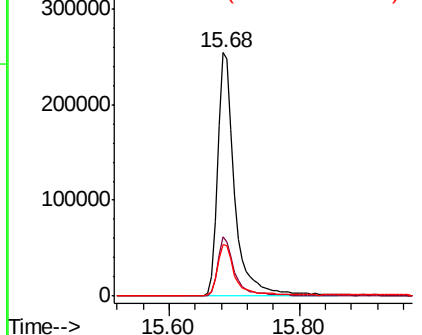


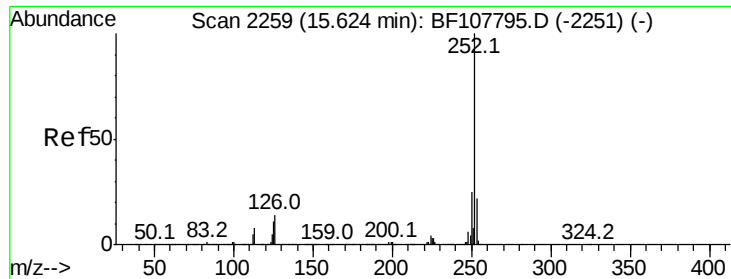
Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#89
Benzo(a)pyrene
Concen: 2.446 ng
RT: 15.62 min Scan# 2258
Delta R.T. -0.01 min
Lab File: BF107831.D
Acq: 31 Jul 2018 5:45

Instrument :
BNA_F
ClientSampleId :
MW-6BRE

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.1	25.7
125	16.8	9.8	14.6

Manual Integrations
APPROVED

Sohil
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