

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
 Data File : BF107943.D
 Acq On : 3 Aug 2018 17:45
 Operator : JU/SJ
 Sample : J4298-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-3

Quant Time: Aug 03 22:59:10 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	113922	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	521076	20.00	ng	-0.01
38) Acenaphthene-d10	9.99	164	235298	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	419431	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	304033	20.00	ng	-0.01
86) Perylene-d12	15.68	264	338661	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.60	112	775542	115.70	ng	0.00
7) Phenol-d6	6.60	99	1104693	125.05	ng	-0.01
23) Nitrobenzene-d5	7.52	82	684223	75.65	ng	-0.02
41) 2,4,6-Tribromophenol	10.79	330	271805	85.01	ng	-0.01
44) 2-Fluorobiphenyl	9.31	172	1368405	81.04	ng	-0.01
78) Terphenyl-d14	13.07	244	1035295	73.84	ng	-0.01

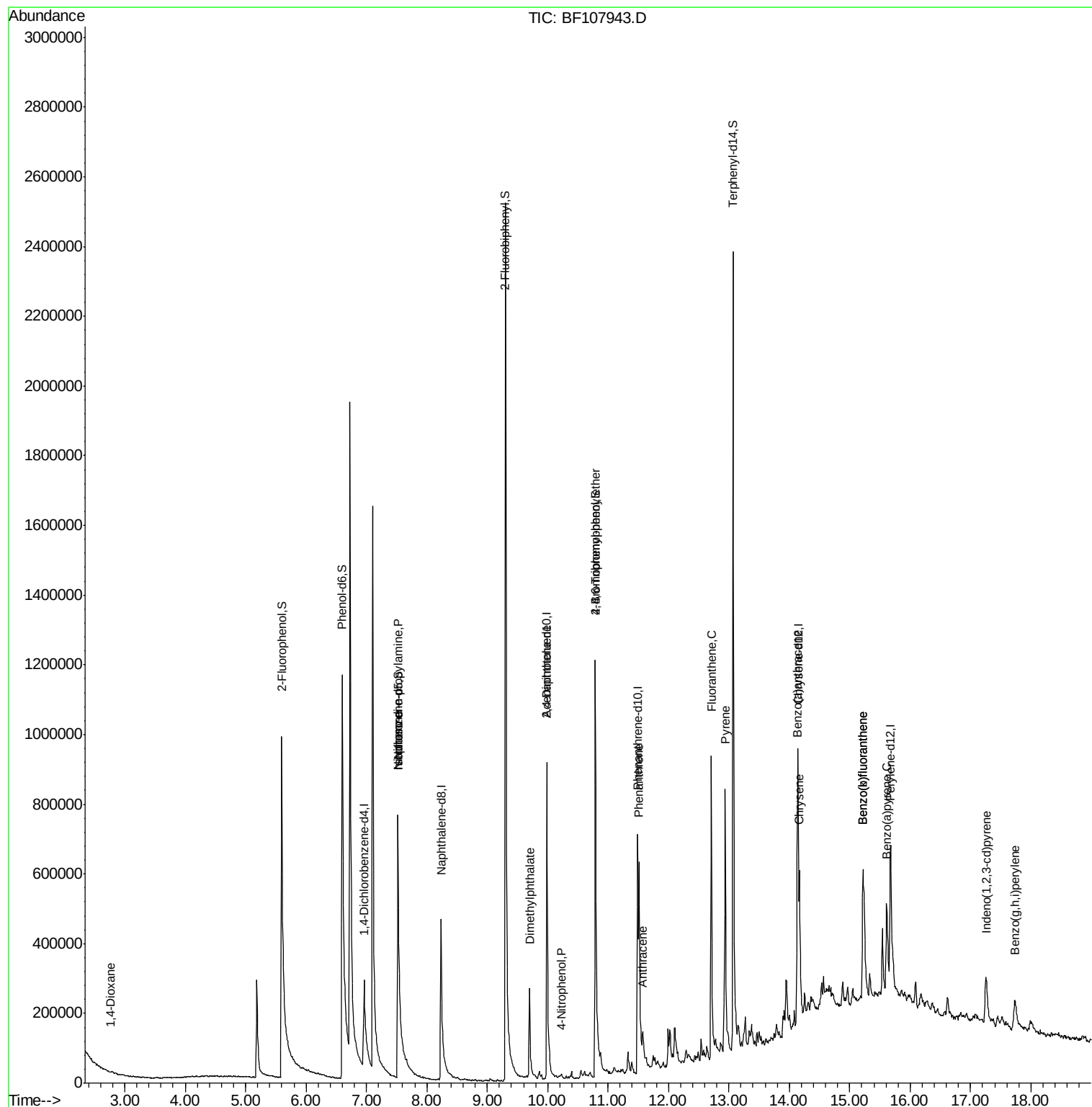
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.77	88	289	5.874	ng	# 20
19) n-Nitroso-di-n-propylamine	7.52	70	77901	13.901	ng	# 82
25) Isophorone	7.52	82	686099	46.211	ng	# 64
49) Dimethylphthalate	9.70	163	176232	9.973	ng	# 99
55) 4-Nitrophenol	10.22	139	3546	10.688	ng	# 9
56) 2,4-Dinitrotoluene	9.99	165	29394	5.824	ng	# 23
66) 4-Bromophenyl-phenylether	10.79	248	16065	3.286	ng	# 1
70) Phenanthrene	11.51	178	296123	14.869	ng	# 98
71) Anthracene	11.57	178	104956	4.569	ng	# 94
74) Fluoranthene	12.71	202	521769	22.300	ng	# 96
77) Pyrene	12.94	202	458692	20.952	ng	# 97
80) Benzo(a)anthracene	14.13	228	229772	13.341	ng	# 97
82) Chrysene	14.17	228	216411	11.650	ng	# 96
85) Indeno(1,2,3-cd)pyrene	17.27	276	129871	9.191	ng	# 85
87) Benzo(b)fluoranthene	15.22	252	407322	24.387	ng	# 96
88) Benzo(k)fluoranthene	15.22	252	407322	19.863	ng	# 97
89) Benzo(a)pyrene	15.61	252	229298	13.298	ng	# 96
91) Benzo(g,h,i)perylene	17.74	276	121157	8.325	ng	# 94

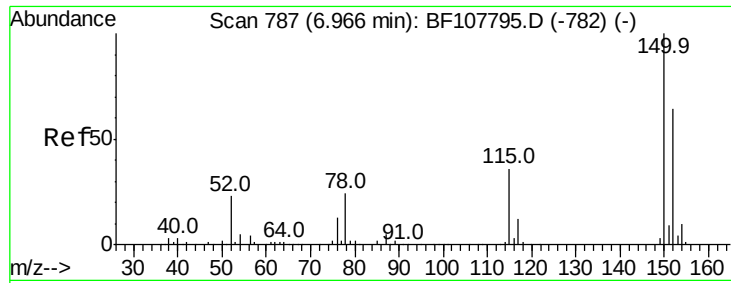
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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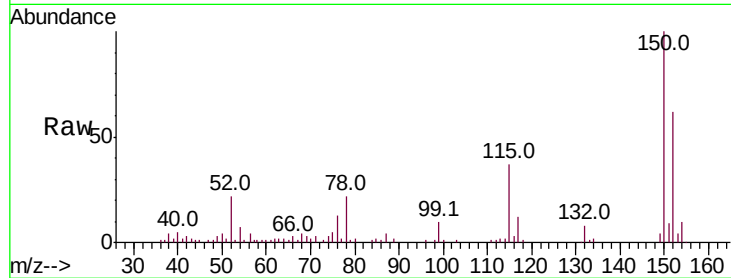


#1

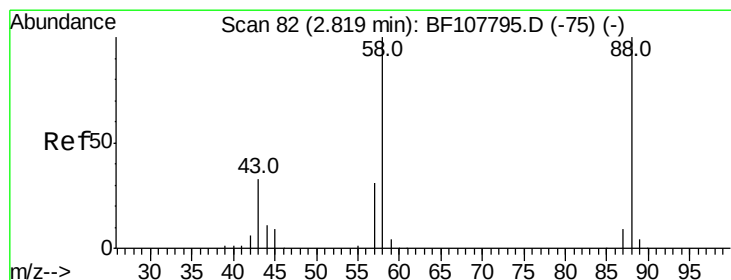
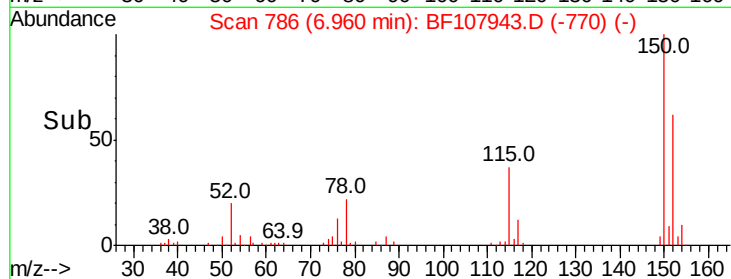
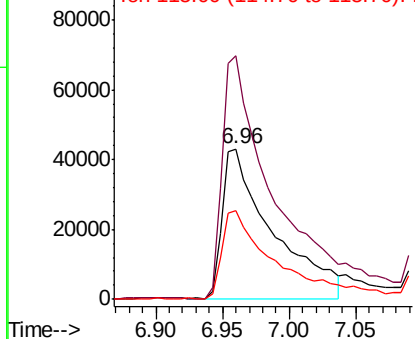
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF107943.D
Acq: 3 Aug 2018 17:45

Instrument :
BNA_F
ClientSampleId :
WC-3

Tot Ion:152 Resp: 113922
Ion Ratio Lower Upper
152 100
150 162.1 124.6 186.8
115 59.5 50.1 75.1



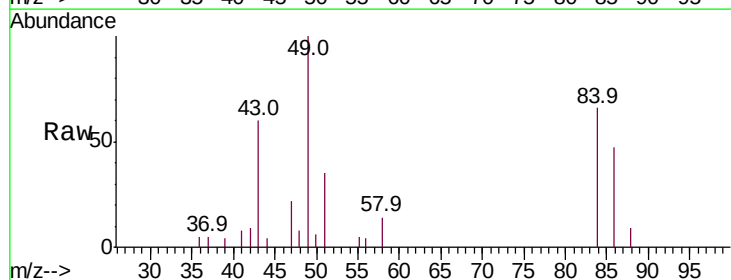
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



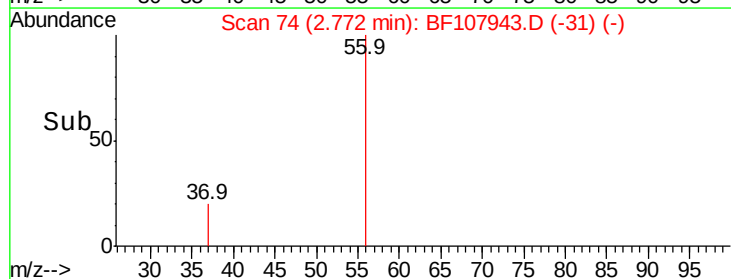
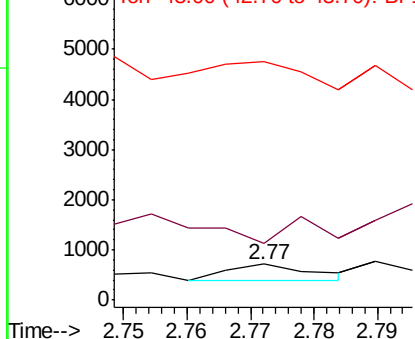
#2

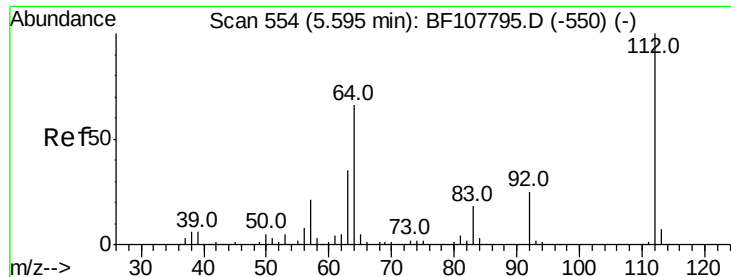
1,4-Dioxane
Concen: 5.874 ng
RT: 2.77 min Scan# 74
Delta R.T. -0.05 min
Lab File: BF107943.D
Acq: 3 Aug 2018 17:45

Tgt Ion: 88 Resp: 289
Ion Ratio Lower Upper
88 100
58 0.0 62.6 93.8#
43 0.0 24.6 37.0#



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1

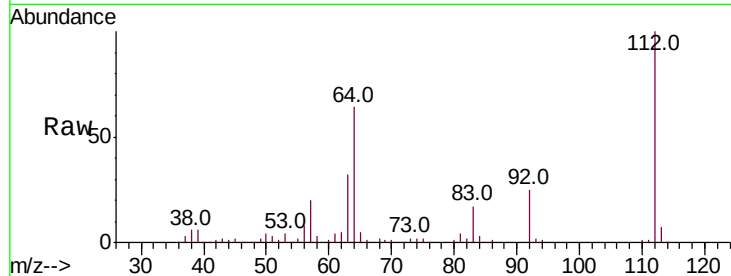




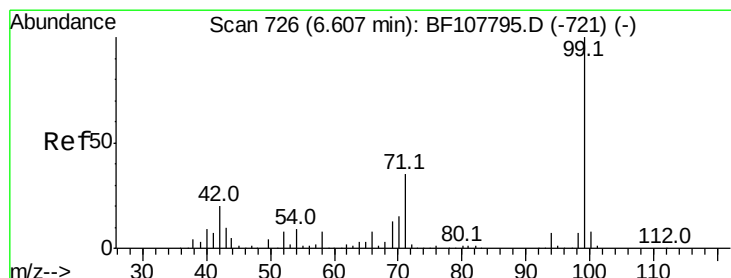
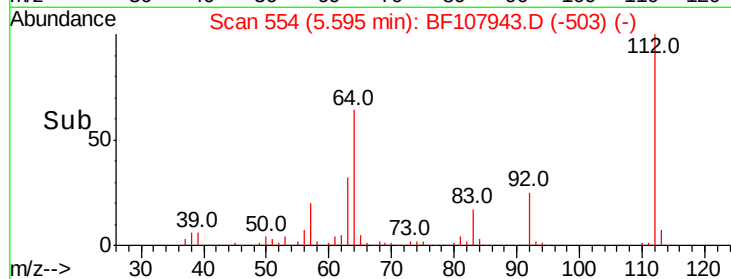
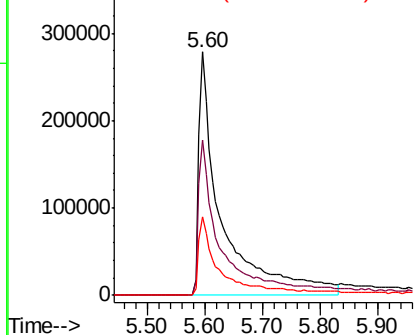
#5
2-Fluorophenol
Concen: 115.699 ng
RT: 5.60 min Scan# 554
Delta R.T. 0.00 min
Lab File: BF107943.D
Acq: 3 Aug 2018 17:45

Instrument :
BNA_F
ClientSampleId :
WC-3

Tot Ion:112 Resp: 775542
Ion Ratio Lower Upper
112 100
64 63.9 47.9 71.9
63 32.3 23.7 35.5

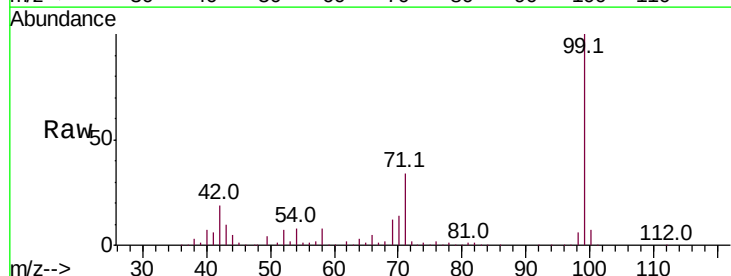


Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1

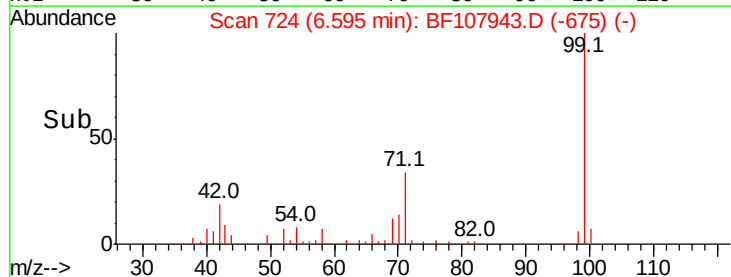
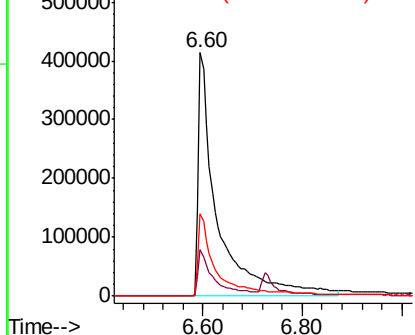


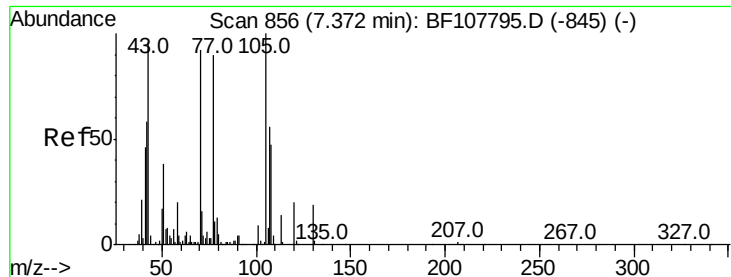
#7
Phenol-d6
Concen: 125.046 ng
RT: 6.60 min Scan# 724
Delta R.T. -0.01 min
Lab File: BF107943.D
Acq: 3 Aug 2018 17:45

Tgt Ion: 99 Resp: 1104693
Ion Ratio Lower Upper
99 100
42 18.9 14.5 21.7
71 33.8 25.4 38.0



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

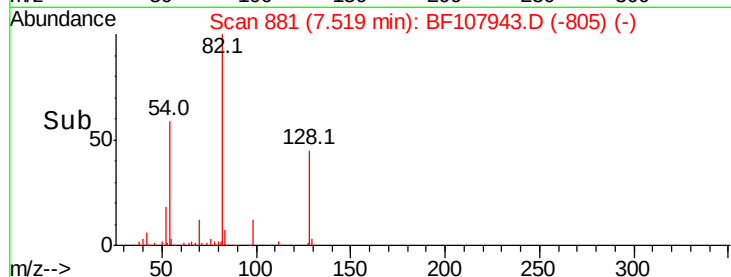
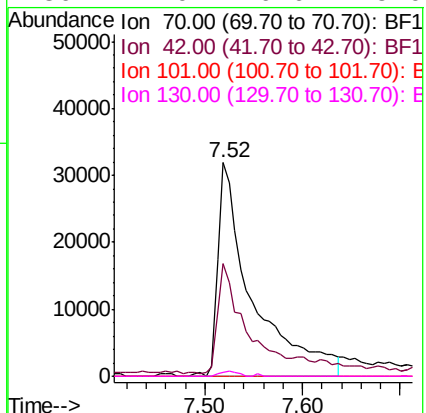
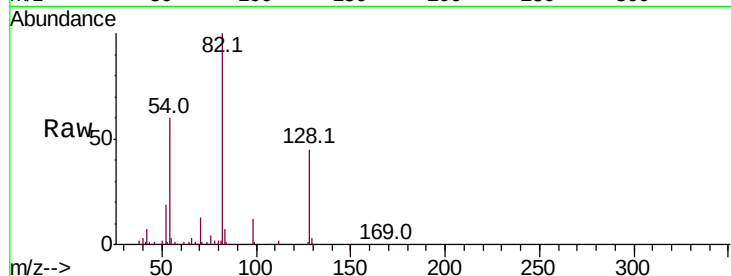




#19
n-Nitroso-di-n-propylamine
Concen: 13.901 ng
RT: 7.52 min Scan# 881
Delta R.T. 0.15 min
Lab File: BF107943.D
Acq: 3 Aug 2018 17:45

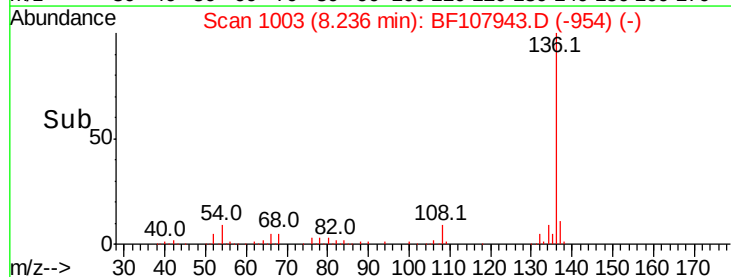
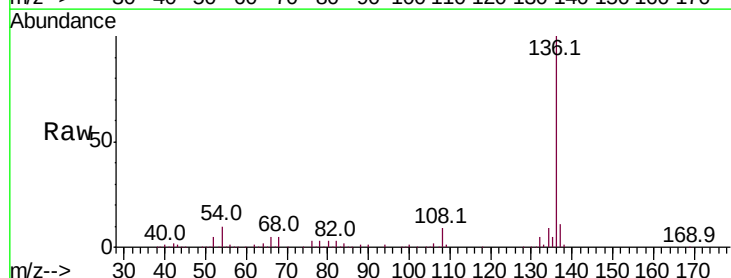
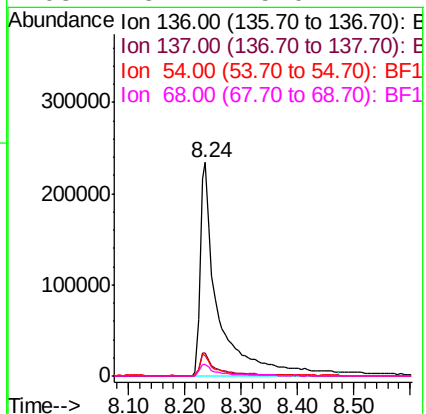
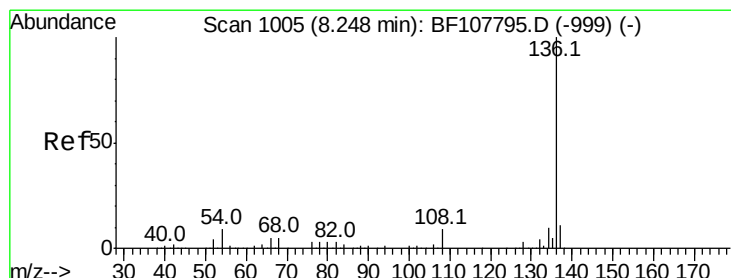
Instrument :
BNA_F
ClientSampled :
WC-3

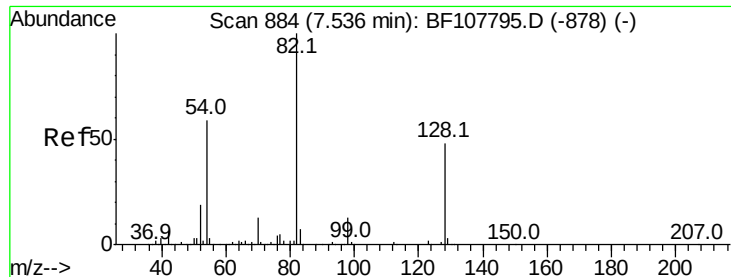
Tot Ion: 70 Resp: 77901
Ion Ratio Lower Upper
70 100
42 52.8 47.5 71.3
101 0.0 7.4 11.2#
130 2.0 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF107943.D
Acq: 3 Aug 2018 17:45

Tgt Ion:136 Resp: 521076
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 9.5 6.6 9.8
68 5.4 5.0 7.4

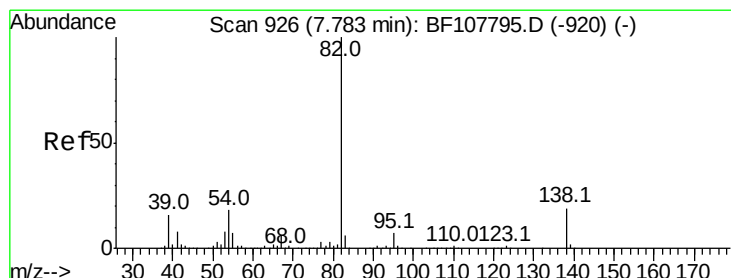
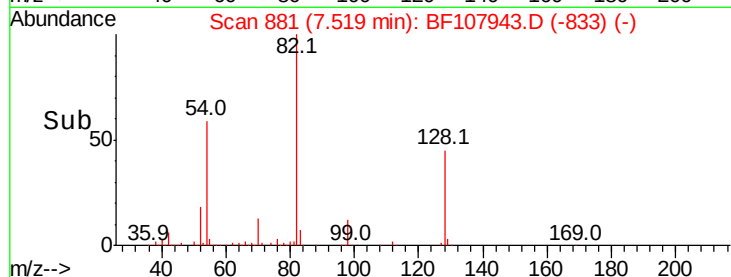
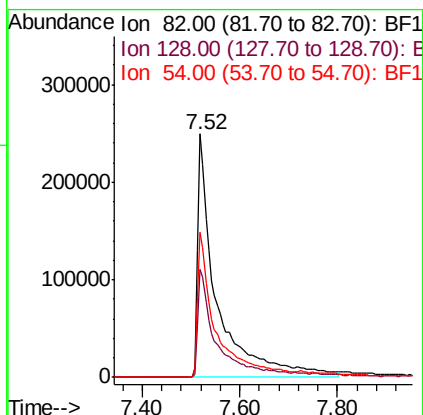
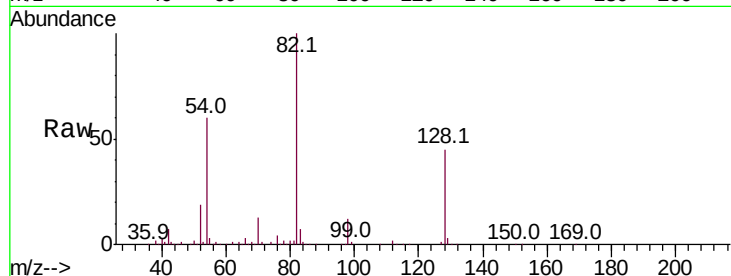




#23
Nitrobenzene-d5
Concen: 75.648 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.02 min
Lab File: BF107943.D
Acq: 3 Aug 2018 17:45

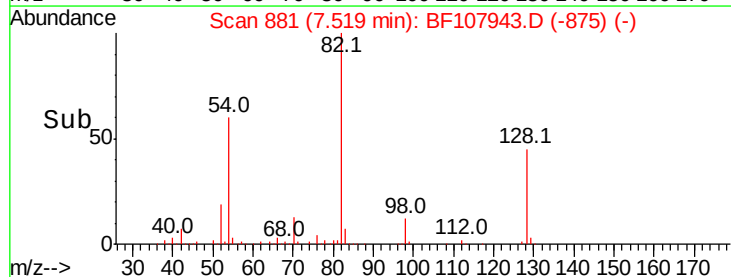
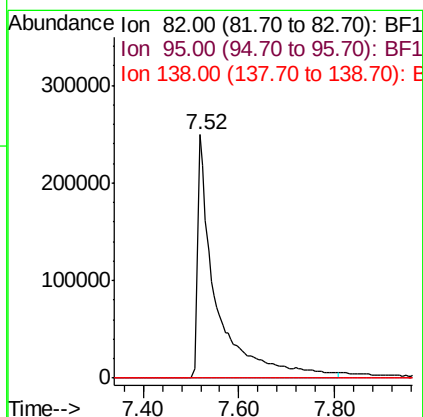
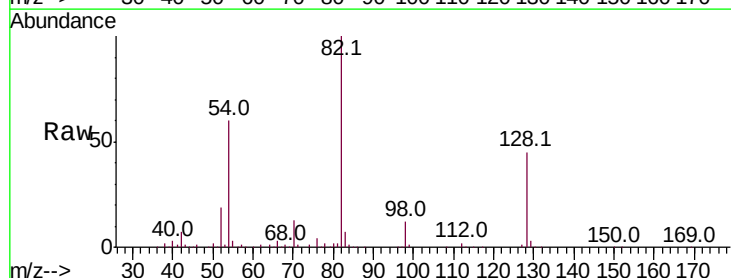
Instrument :
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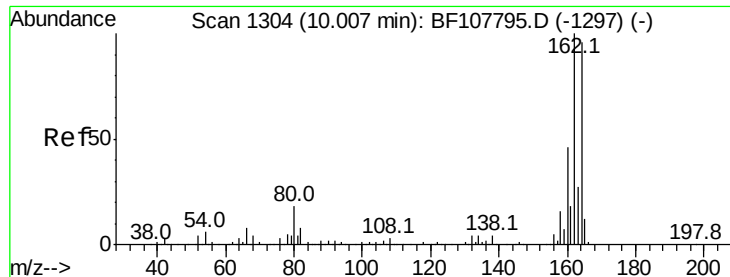
Tot Ion: 82 Resp: 684223
Ion Ratio Lower Upper
82 100
128 44.5 36.1 54.1
54 59.8 41.4 62.2



#25
Isophorone
Concen: 46.211 ng
RT: 7.52 min Scan# 881
Delta R.T. -0.26 min
Lab File: BF107943.D
Acq: 3 Aug 2018 17:45

Tgt Ion: 82 Resp: 686099
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#

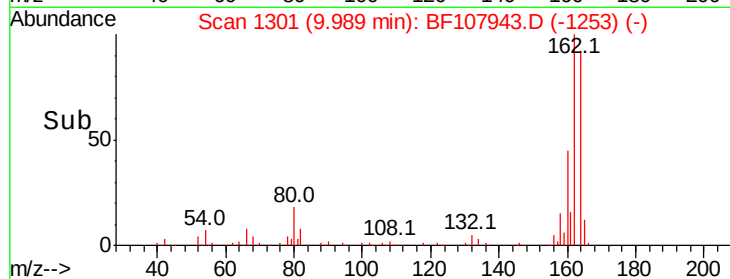
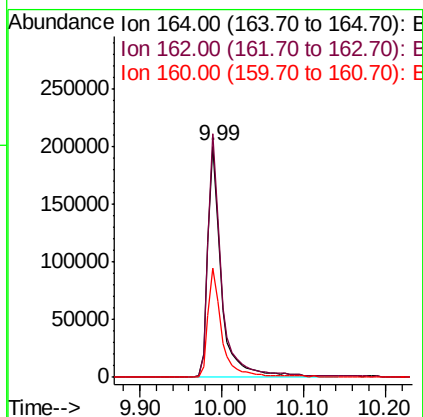
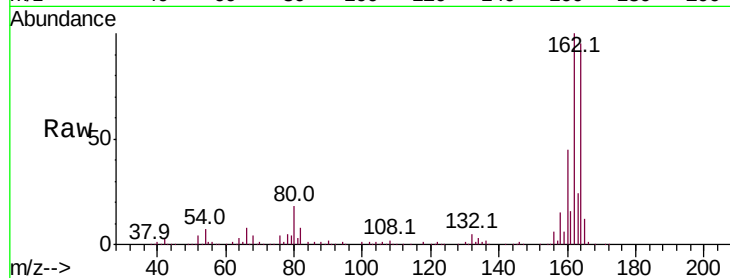




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.99 min Scan# 1301
 Delta R.T. -0.02 min
 Lab File: BF107943.D
 Acq: 3 Aug 2018 17:45

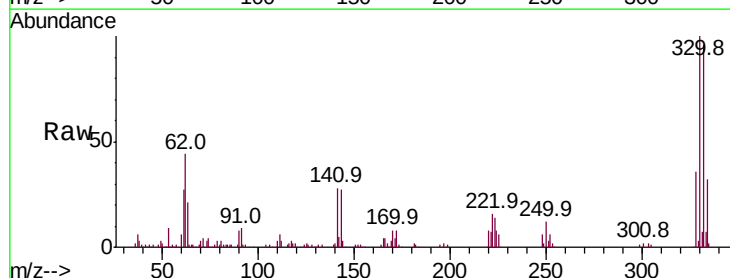
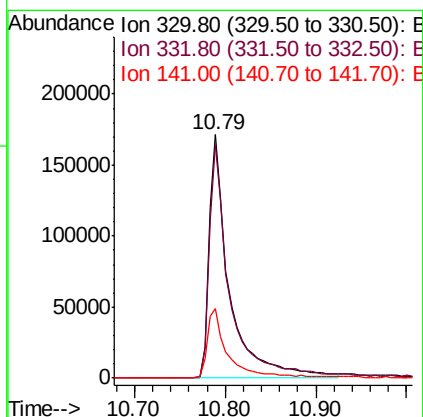
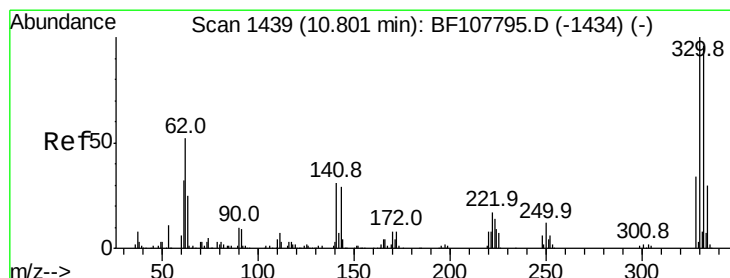
Instrument :
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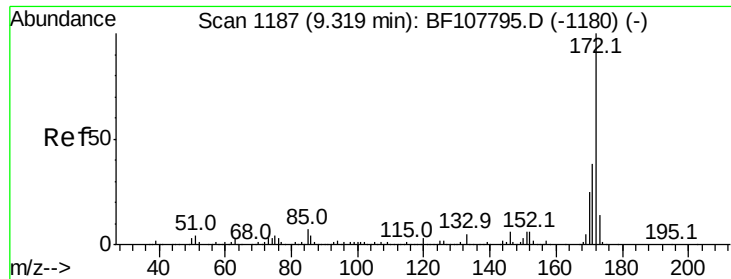
Tot Ion:164 Resp: 235298
 Ion Ratio Lower Upper
 164 100
 162 105.4 86.1 129.1
 160 47.2 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 85.013 ng
 RT: 10.79 min Scan# 1437
 Delta R.T. -0.01 min
 Lab File: BF107943.D
 Acq: 3 Aug 2018 17:45

Tgt Ion:330 Resp: 271805
 Ion Ratio Lower Upper
 330 100
 332 98.5 77.0 115.6
 141 29.3 29.9 44.9#

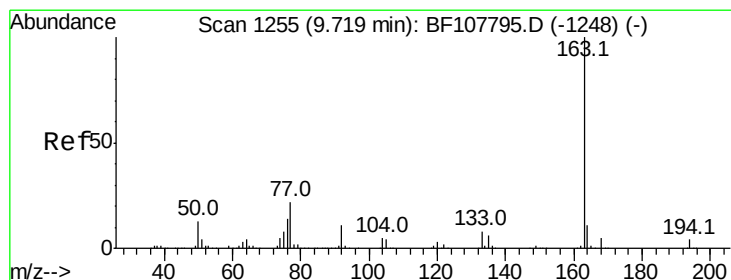
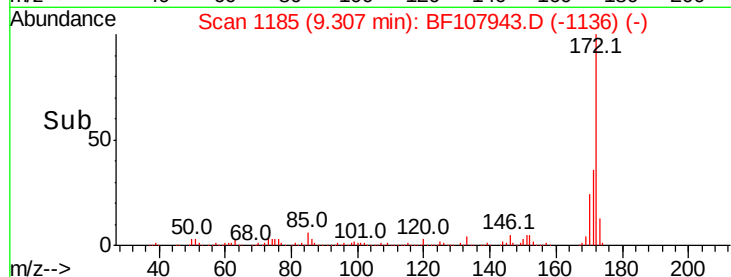
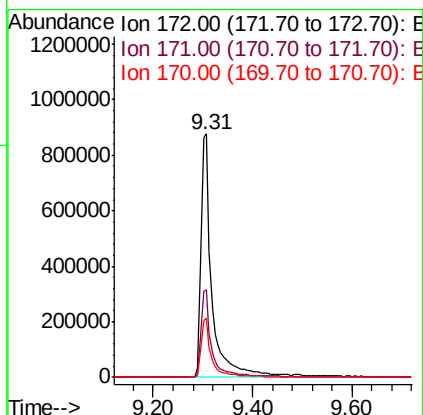
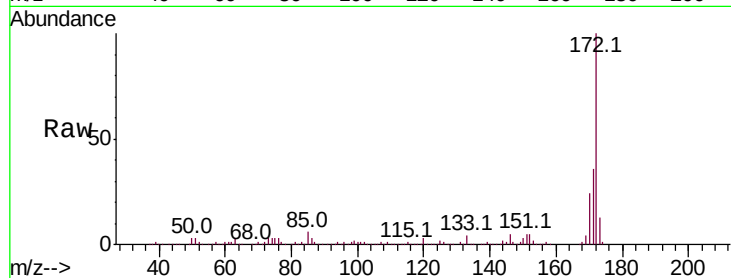




#44
2-Fluorobiphenyl
Concen: 81.040 ng
RT: 9.31 min Scan# 1185
Delta R.T. -0.01 min
Lab File: BF107943.D
Acq: 3 Aug 2018 17:45

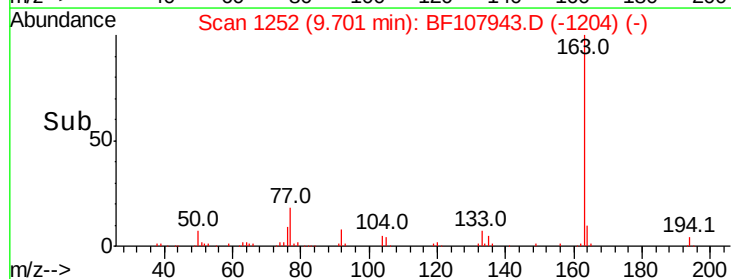
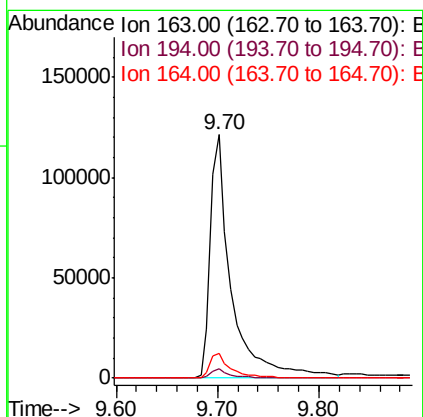
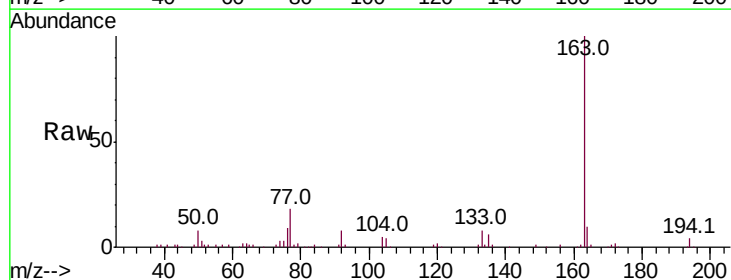
Instrument :
BNA_F
ClientSampled :
WC-3

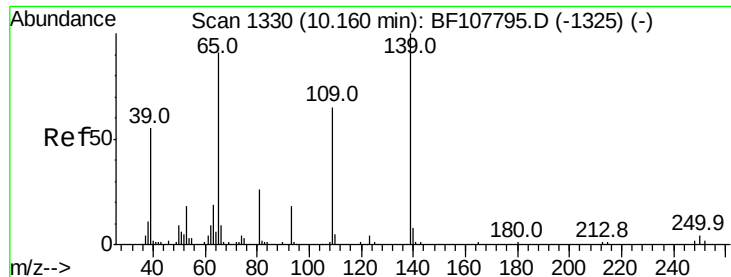
Tot Ion:172 Resp: 1368405
Ion Ratio Lower Upper
172 100
171 36.1 29.7 44.5
170 24.5 19.6 29.4



#49
Dimethylphthalate
Concen: 9.973 ng
RT: 9.70 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF107943.D
Acq: 3 Aug 2018 17:45

Tgt Ion:163 Resp: 176232
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 9.9 8.2 12.2

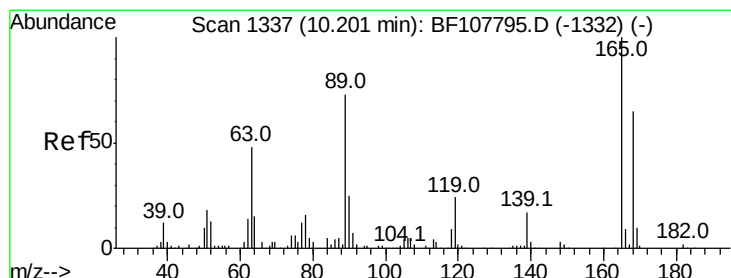
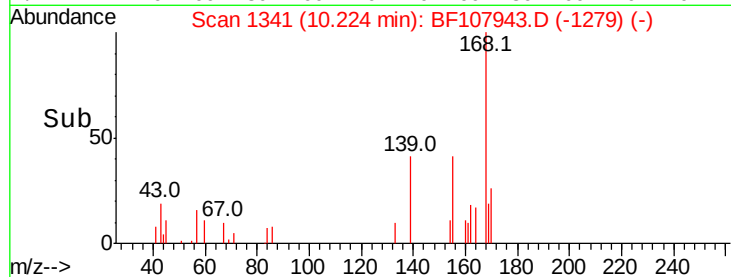
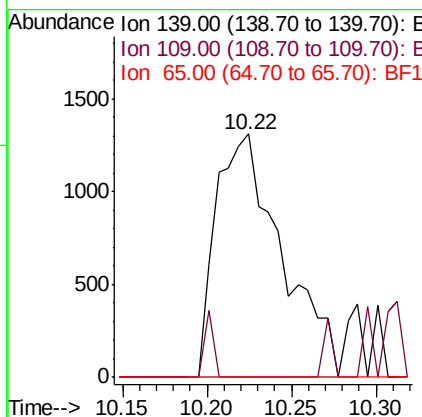
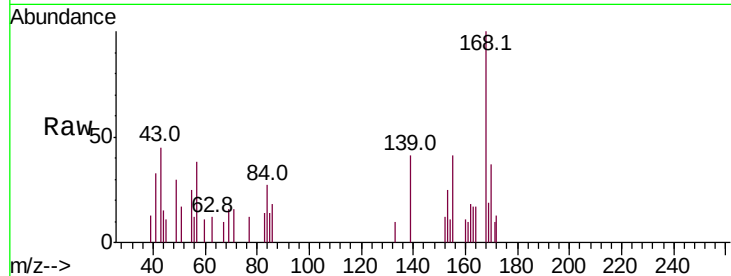




#55
4-Nitrophenol
Concen: 10.688 ng
RT: 10.22 min Scan# 1341
Delta R.T. 0.07 min
Lab File: BF107943.D
Acq: 3 Aug 2018 17:45

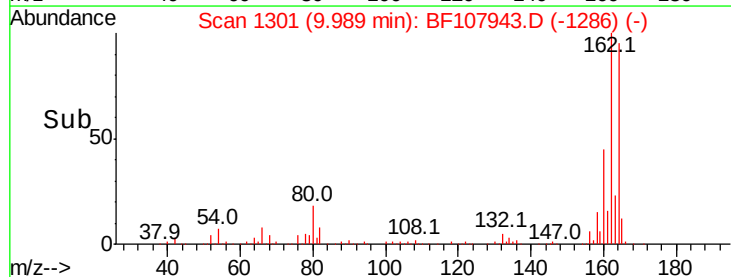
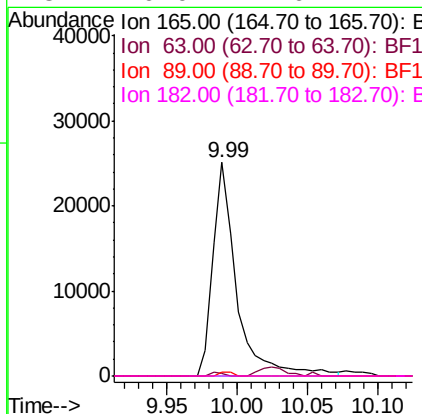
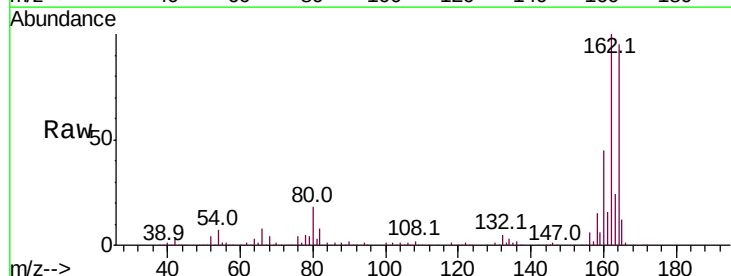
Instrument :
BNA_F
ClientSampleId :
WC-3

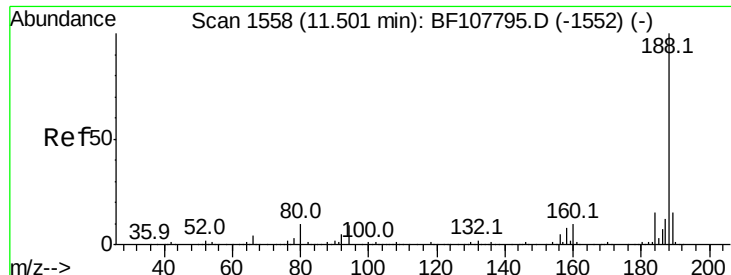
Tot Ion:139 Resp: 3546
Ion Ratio Lower Upper
139 100
109 0.0 48.4 88.4#
65 0.0 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 5.824 ng
RT: 9.99 min Scan# 1301
Delta R.T. -0.21 min
Lab File: BF107943.D
Acq: 3 Aug 2018 17:45

Tgt Ion:165 Resp: 29394
Ion Ratio Lower Upper
165 100
63 1.3 36.4 54.6#
89 1.8 57.8 86.6#
182 0.0 1.6 2.4#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.49 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF107943.D

Acq: 3 Aug 2018 17:45

Instrument :

BNA_F

ClientSampleId :

WC-3

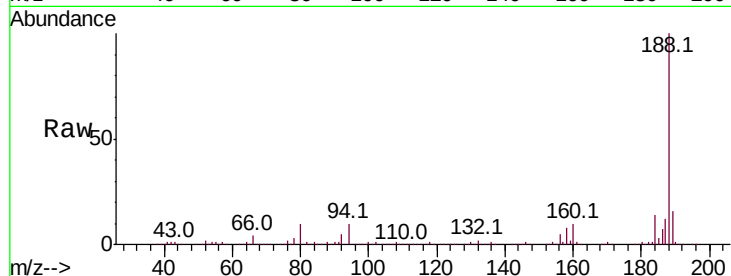
Tot Ion:188 Resp: 419431

Ion Ratio Lower Upper

188 100

94 9.8 8.5 12.7

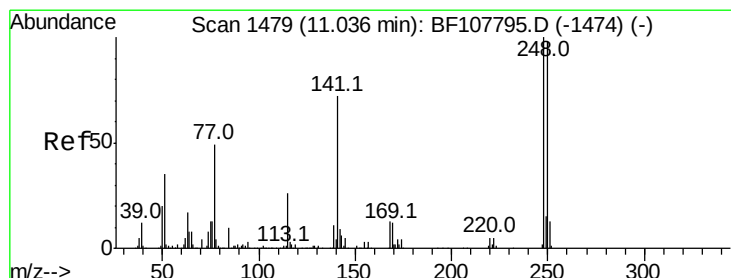
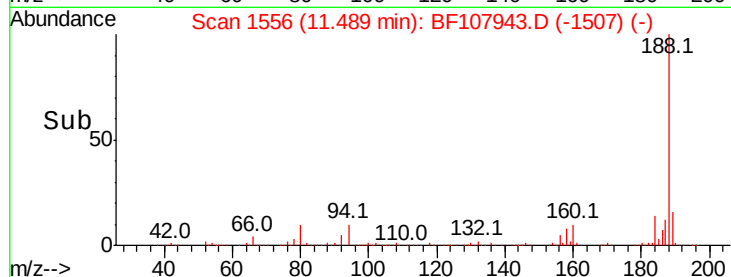
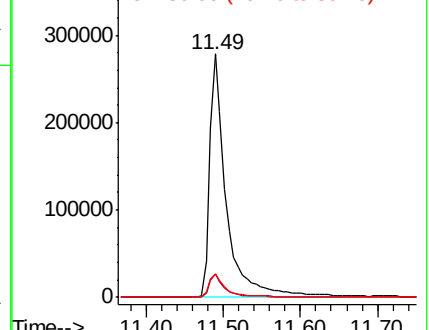
80 9.9 9.2 13.8



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



#66

4-Bromophenyl-phenylether

Concen: 3.286 ng

RT: 10.79 min Scan# 1437

Delta R.T. -0.25 min

Lab File: BF107943.D

Acq: 3 Aug 2018 17:45

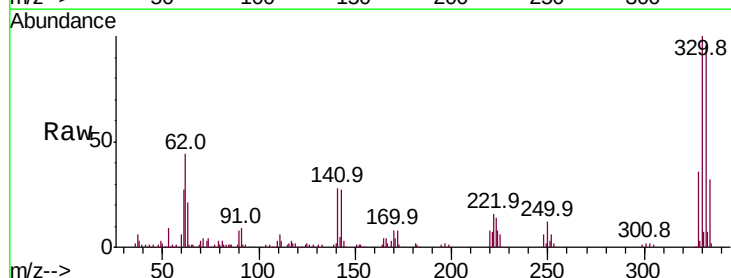
Tgt Ion:248 Resp: 16065

Ion Ratio Lower Upper

248 100

250 199.6 76.9 115.3#

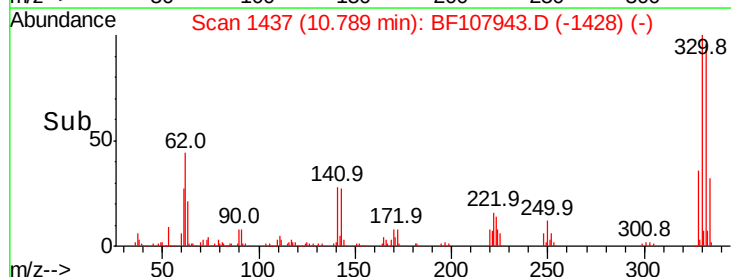
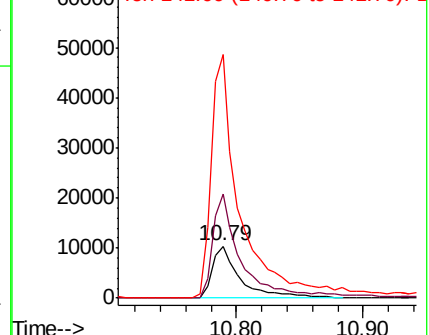
141 467.0 74.4 111.6#

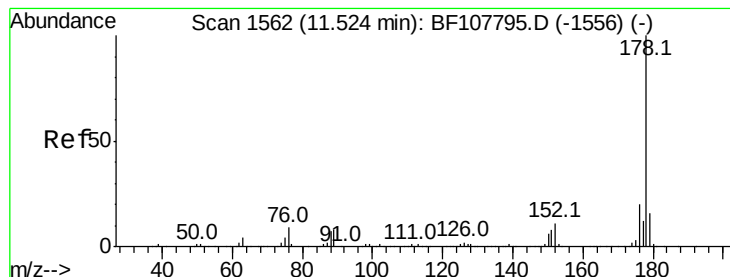


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#70

Phenanthrene

Concen: 14.869 ng

RT: 11.51 min Scan# 1560

Delta R.T. -0.01 min

Lab File: BF107943.D

Acq: 3 Aug 2018 17:45

Instrument :

BNA_F

ClientSampleId :

WC-3

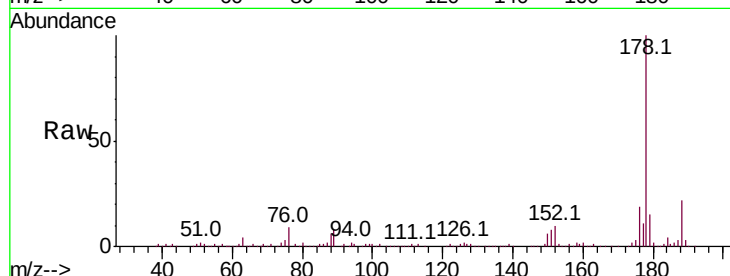
Tot Ion:178 Resp: 296123

Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.8

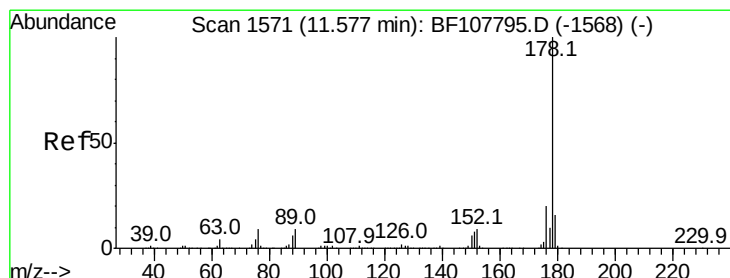
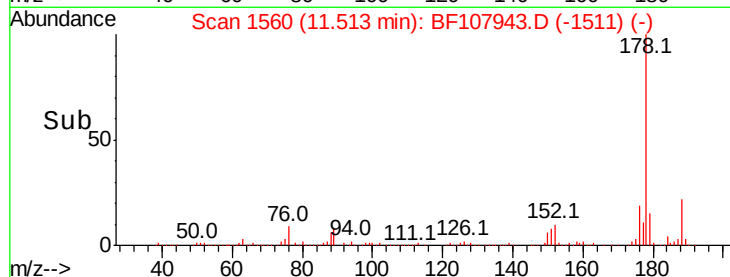
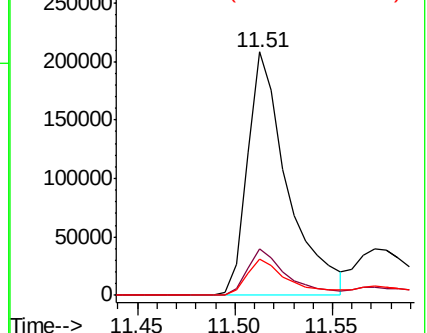
179 14.7 13.0 19.6



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: 4.569 ng

RT: 11.57 min Scan# 1570

Delta R.T. -0.01 min

Lab File: BF107943.D

Acq: 3 Aug 2018 17:45

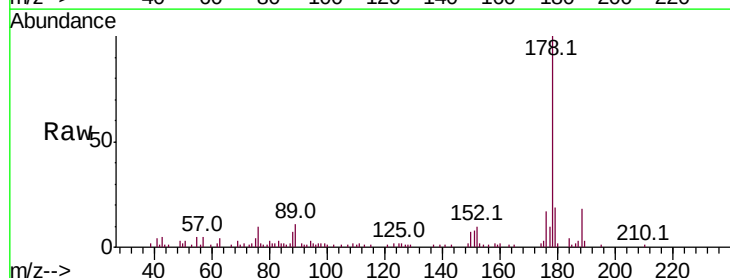
Tgt Ion:178 Resp: 104956

Ion Ratio Lower Upper

178 100

176 17.4 15.4 23.2

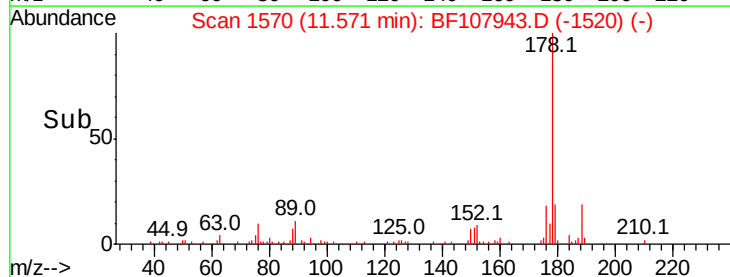
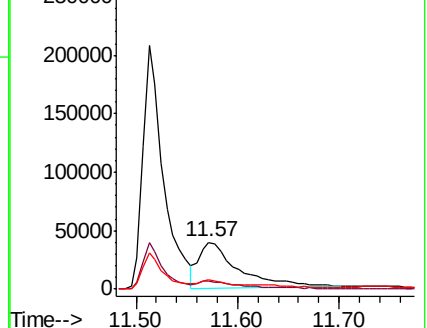
179 18.9 12.6 19.0

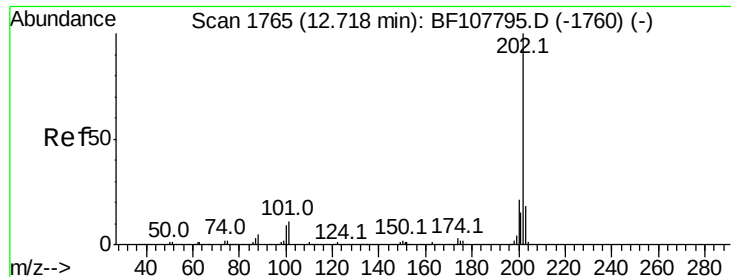


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 22.300 ng

RT: 12.71 min Scan# 1763

Delta R.T. -0.01 min

Lab File: BF107943.D

Acq: 3 Aug 2018 17:45

Instrument :

BNA_F

ClientSampled :

WC-3

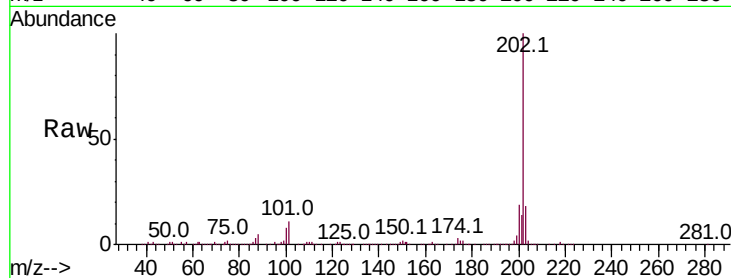
Tot Ion:202 Resp: 521769

Ion Ratio Lower Upper

202 100

101 11.3 0.0 34.1

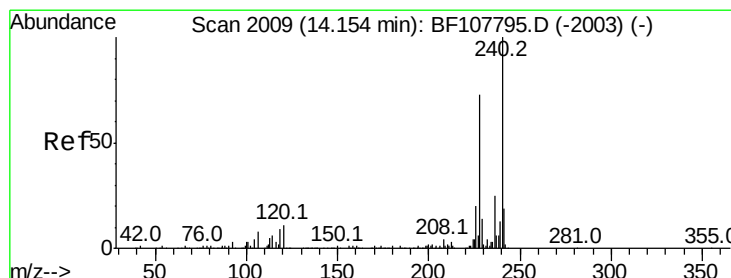
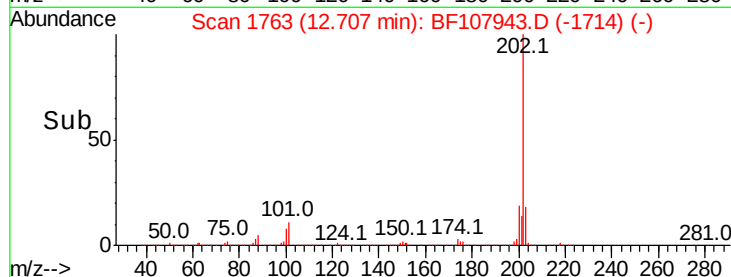
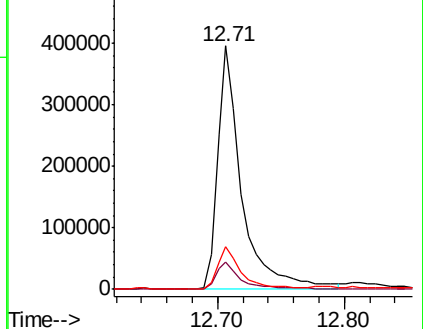
203 17.6 0.0 38.1



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: 14.14 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF107943.D

Acq: 3 Aug 2018 17:45

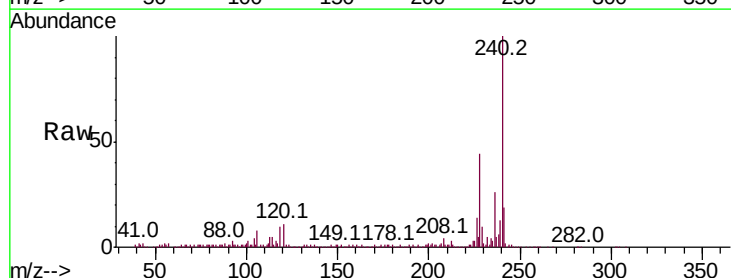
Tgt Ion:240 Resp: 304033

Ion Ratio Lower Upper

240 100

120 11.0 9.5 14.3

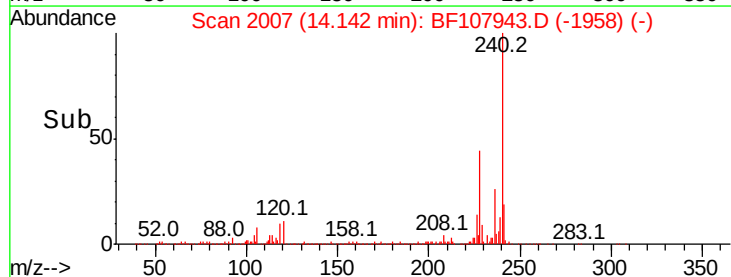
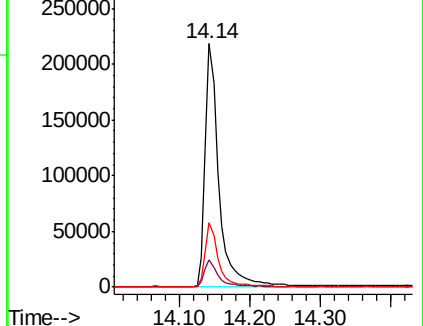
236 26.3 20.7 31.1

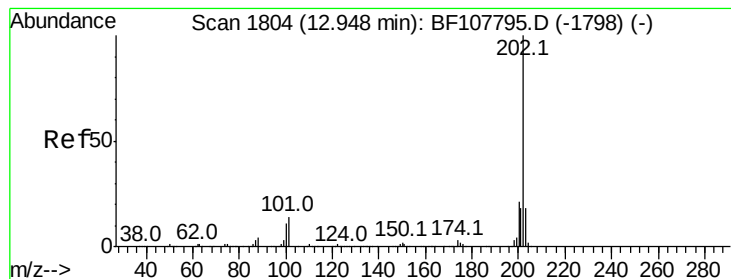


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 20.952 ng

RT: 12.94 min Scan# 1802

Delta R.T. -0.01 min

Lab File: BF107943.D

Acq: 3 Aug 2018 17:45

Instrument :

BNA_F

ClientSampleId :

WC-3

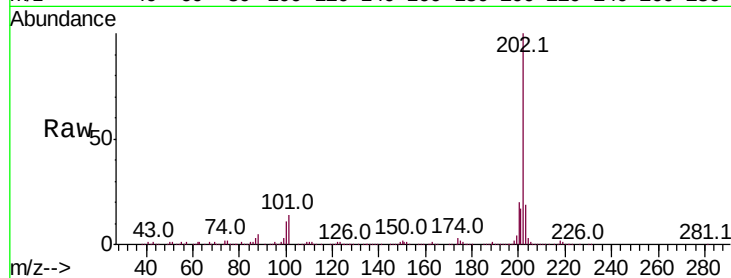
Tot Ion:202 Resp: 458692

Ion Ratio Lower Upper

202 100

200 19.7 17.4 26.2

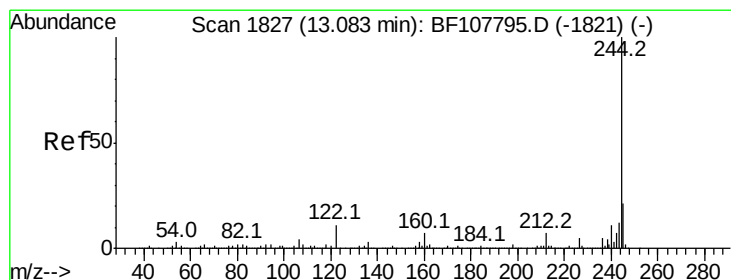
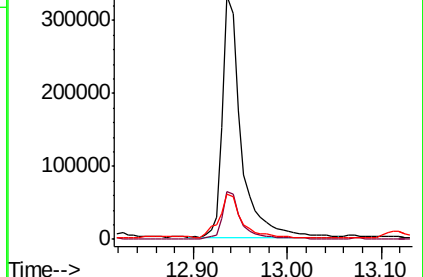
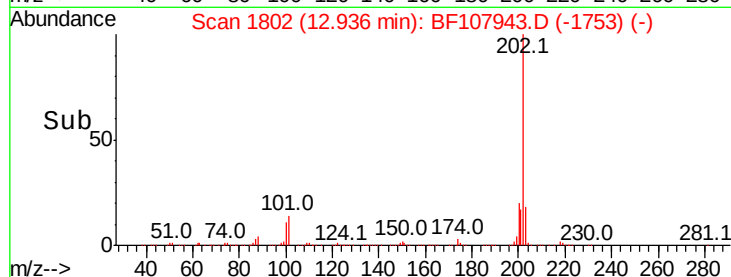
203 18.7 14.3 21.5



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: 73.840 ng

RT: 13.07 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF107943.D

Acq: 3 Aug 2018 17:45

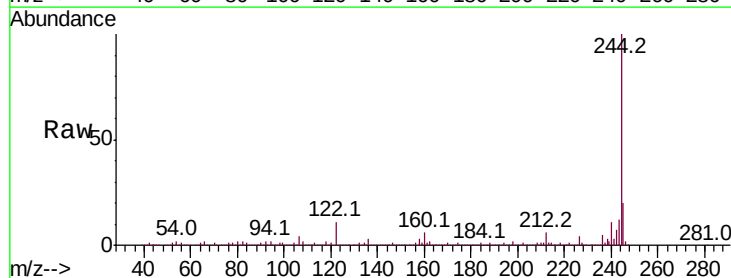
Tgt Ion:244 Resp: 1035295

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.0

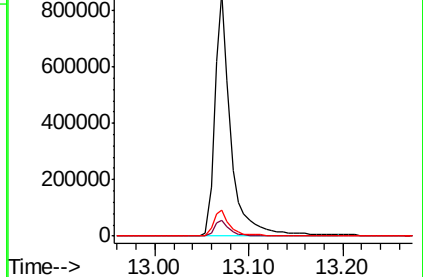
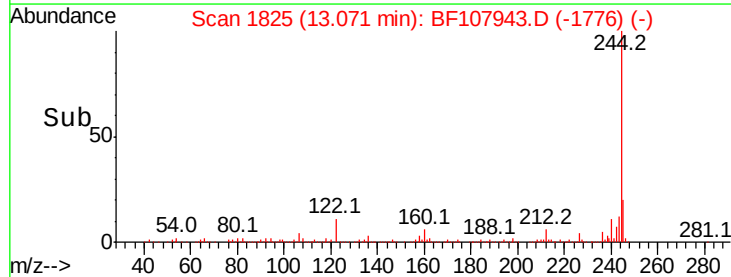
122 10.7 11.0 16.4#

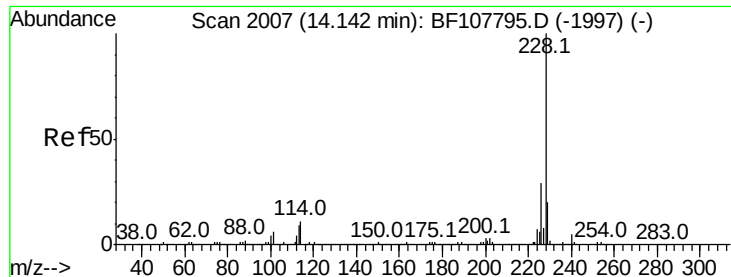


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 13.341 ng

RT: 14.13 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BF107943.D

Acq: 3 Aug 2018 17:45

Instrument :

BNA_F

ClientSampleId :

WC-3

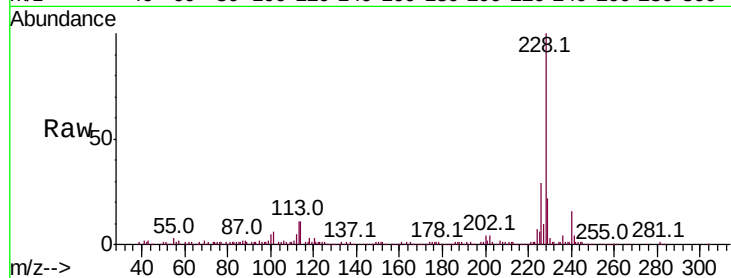
Tot Ion:228 Resp: 229772

Ion Ratio Lower Upper

228 100

226 28.6 22.6 33.8

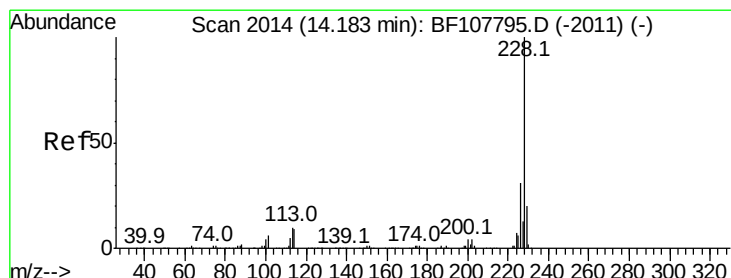
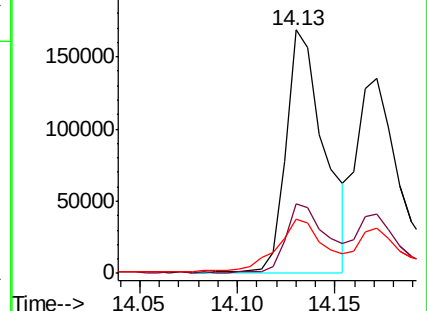
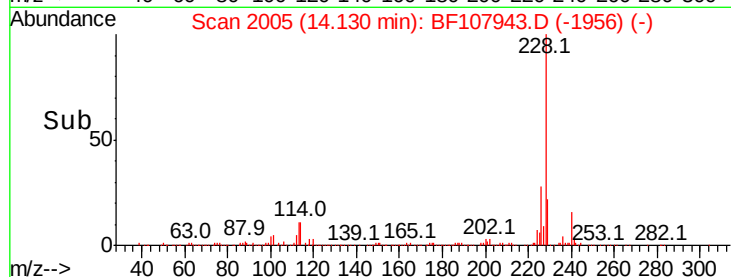
229 22.3 15.8 23.6



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: 11.650 ng

RT: 14.17 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF107943.D

Acq: 3 Aug 2018 17:45

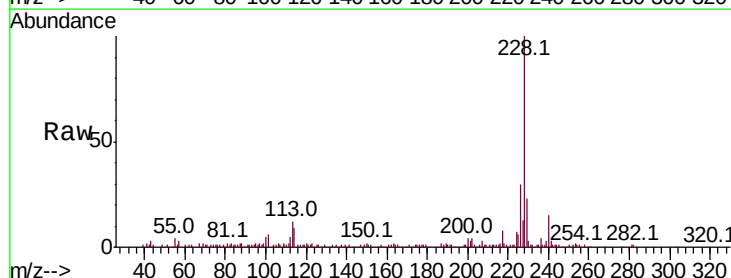
Tgt Ion:228 Resp: 216411

Ion Ratio Lower Upper

228 100

226 30.2 25.0 37.6

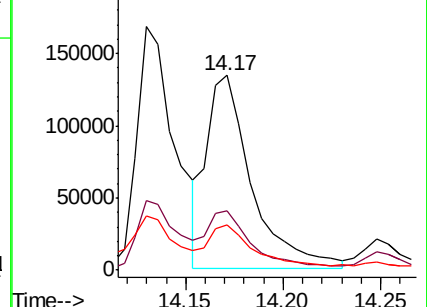
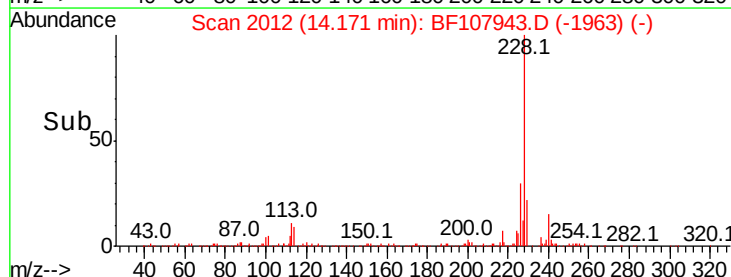
229 23.4 16.2 24.4

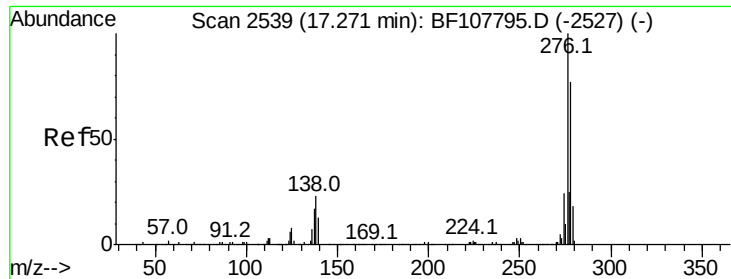


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

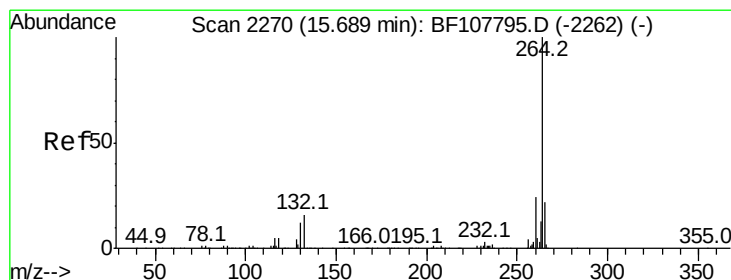
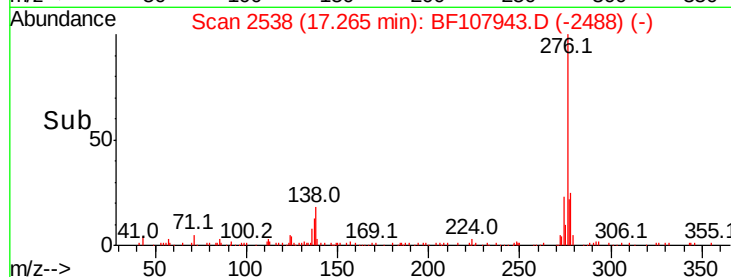
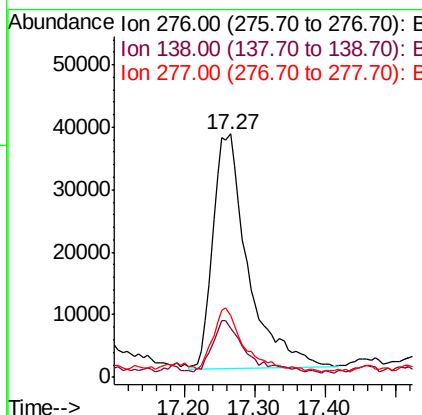
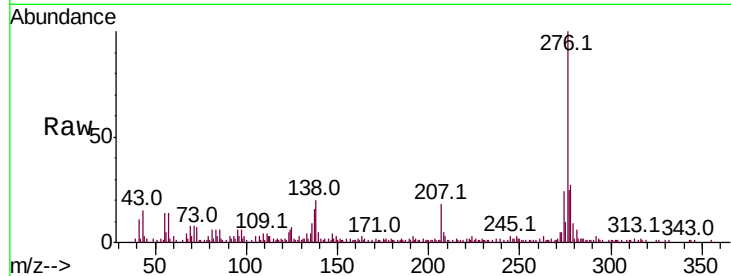




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 9.191 ng
 RT: 17.27 min Scan# 2538
 Delta R.T. -0.01 min
 Lab File: BF107943.D
 Acq: 3 Aug 2018 17:45

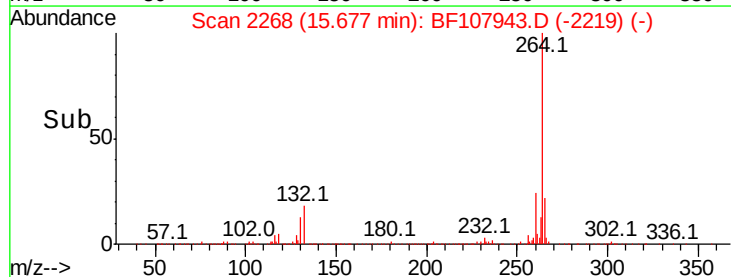
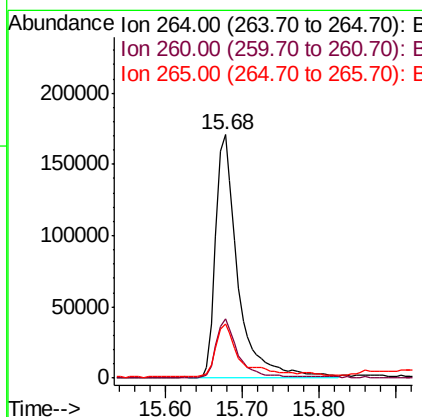
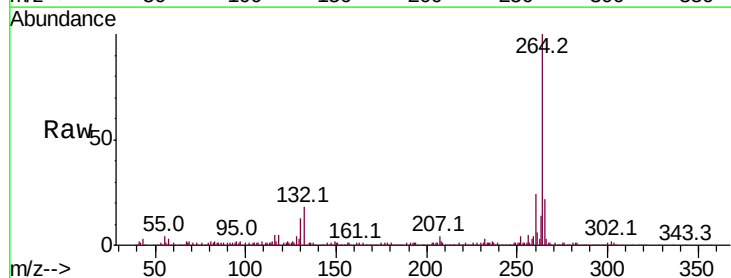
Instrument :
 BNA_F
 ClientSampleId :
 WC-3

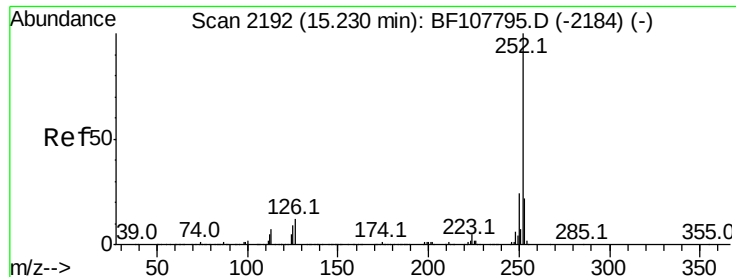
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.9	25.0	37.6#
277	21.4	20.1	30.1



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.68 min Scan# 2268
 Delta R.T. -0.01 min
 Lab File: BF107943.D
 Acq: 3 Aug 2018 17:45

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.2	28.8
265	22.0	17.5	26.3

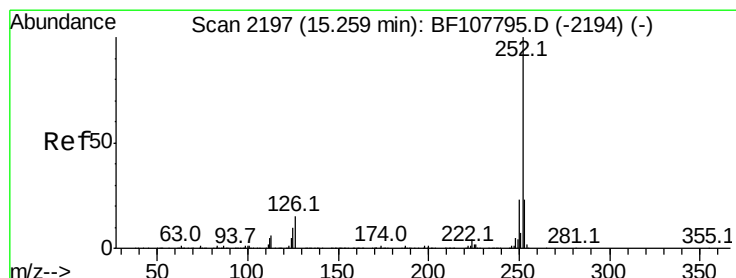
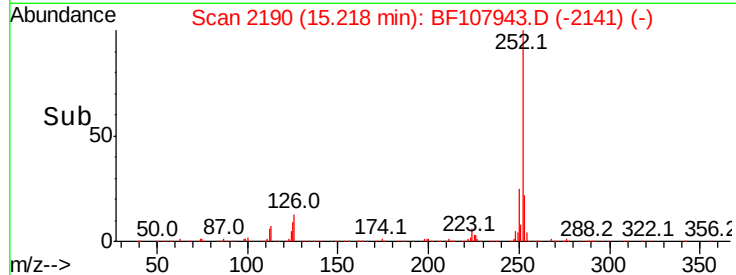
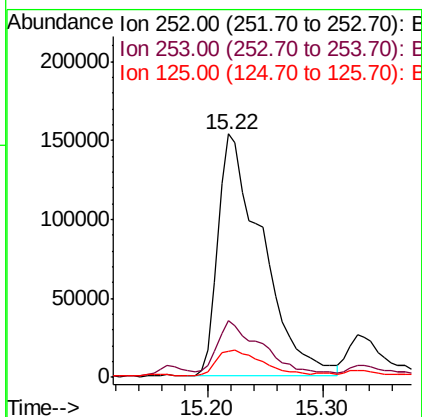
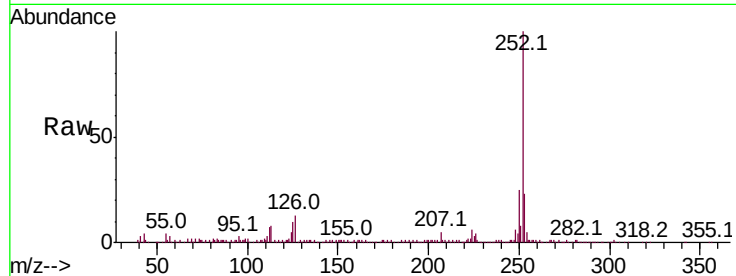




#87
Benzo(b)fluoranthene
Concen: 24.387 ng
RT: 15.22 min Scan# 2190
Delta R.T. -0.01 min
Lab File: BF107943.D
Acq: 3 Aug 2018 17:45

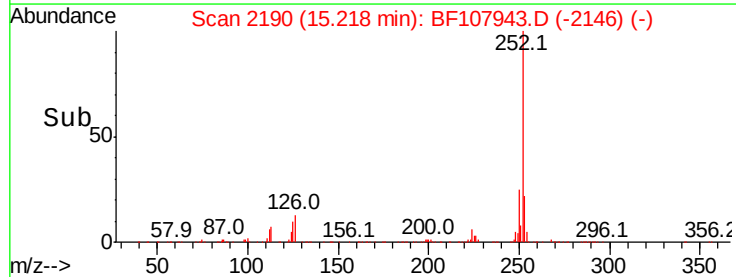
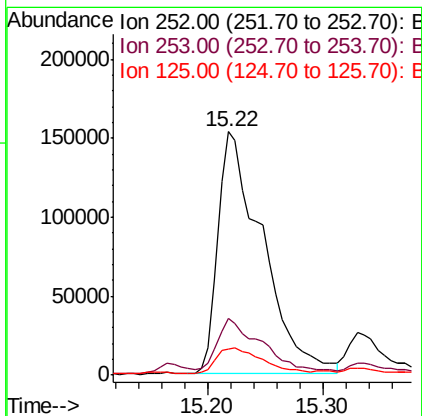
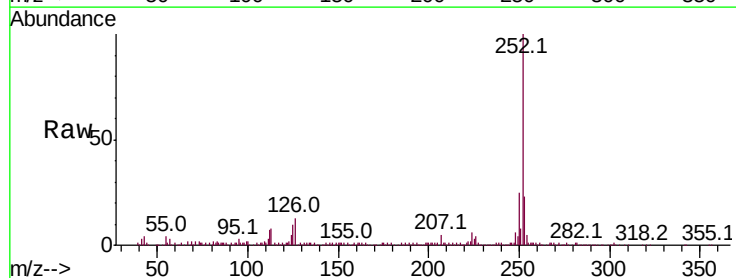
Instrument :
BNA_F
ClientSampleId :
WC-3

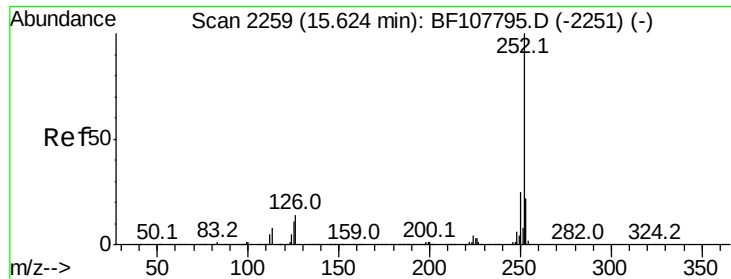
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.0	25.6
125	10.4	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 19.863 ng
RT: 15.22 min Scan# 2190
Delta R.T. -0.04 min
Lab File: BF107943.D
Acq: 3 Aug 2018 17:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	10.4	10.2	15.2





#89

Benzo(a)pyrene

Concen: 13.298 ng

RT: 15.61 min Scan# 2257

Delta R.T. -0.01 min

Lab File: BF107943.D

Acq: 3 Aug 2018 17:45

Instrument :

BNA_F

ClientSampled :

WC-3

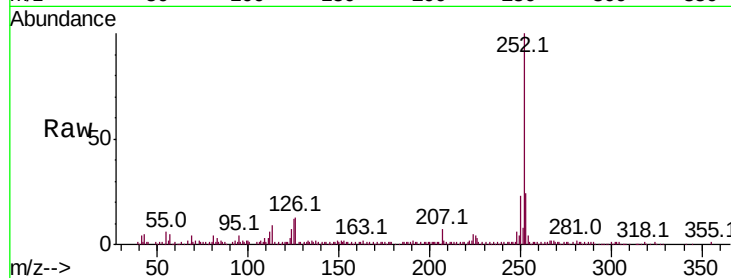
Tot Ion:252 Resp: 229298

Ion Ratio Lower Upper

252 100

253 24.4 17.1 25.7

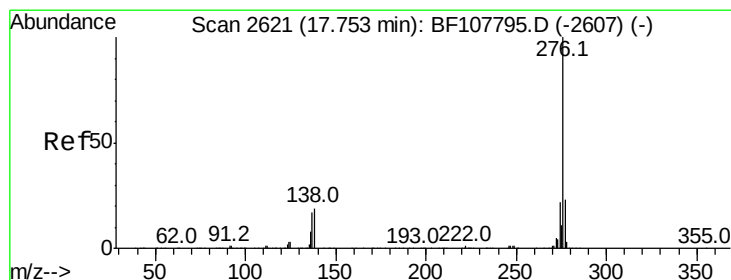
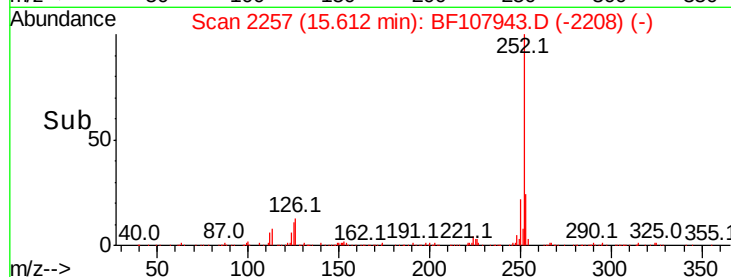
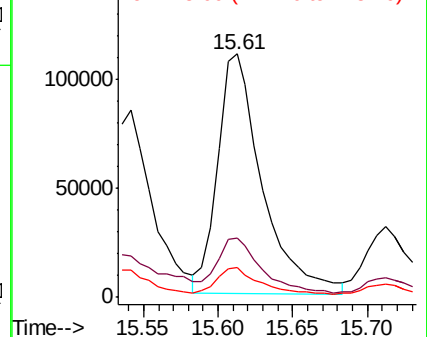
125 12.5 9.8 14.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#91

Benzo(g,h,i)perylene

Concen: 8.325 ng

RT: 17.74 min Scan# 2618

Delta R.T. -0.02 min

Lab File: BF107943.D

Acq: 3 Aug 2018 17:45

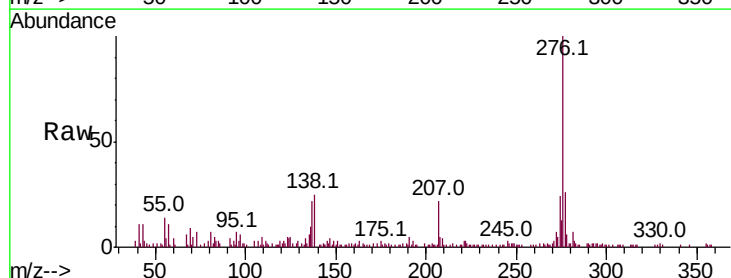
Tgt Ion:276 Resp: 121157

Ion Ratio Lower Upper

276 100

277 26.2 17.9 26.9

138 25.2 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

