

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071818\
 Data File : BF107502.D
 Acq On : 19 Jul 2018 8:28
 Operator : JU/SJ
 Sample : J4033-03
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 19 08:59:13 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 18 11:55:34 2018
 Response via : Initial Calibration

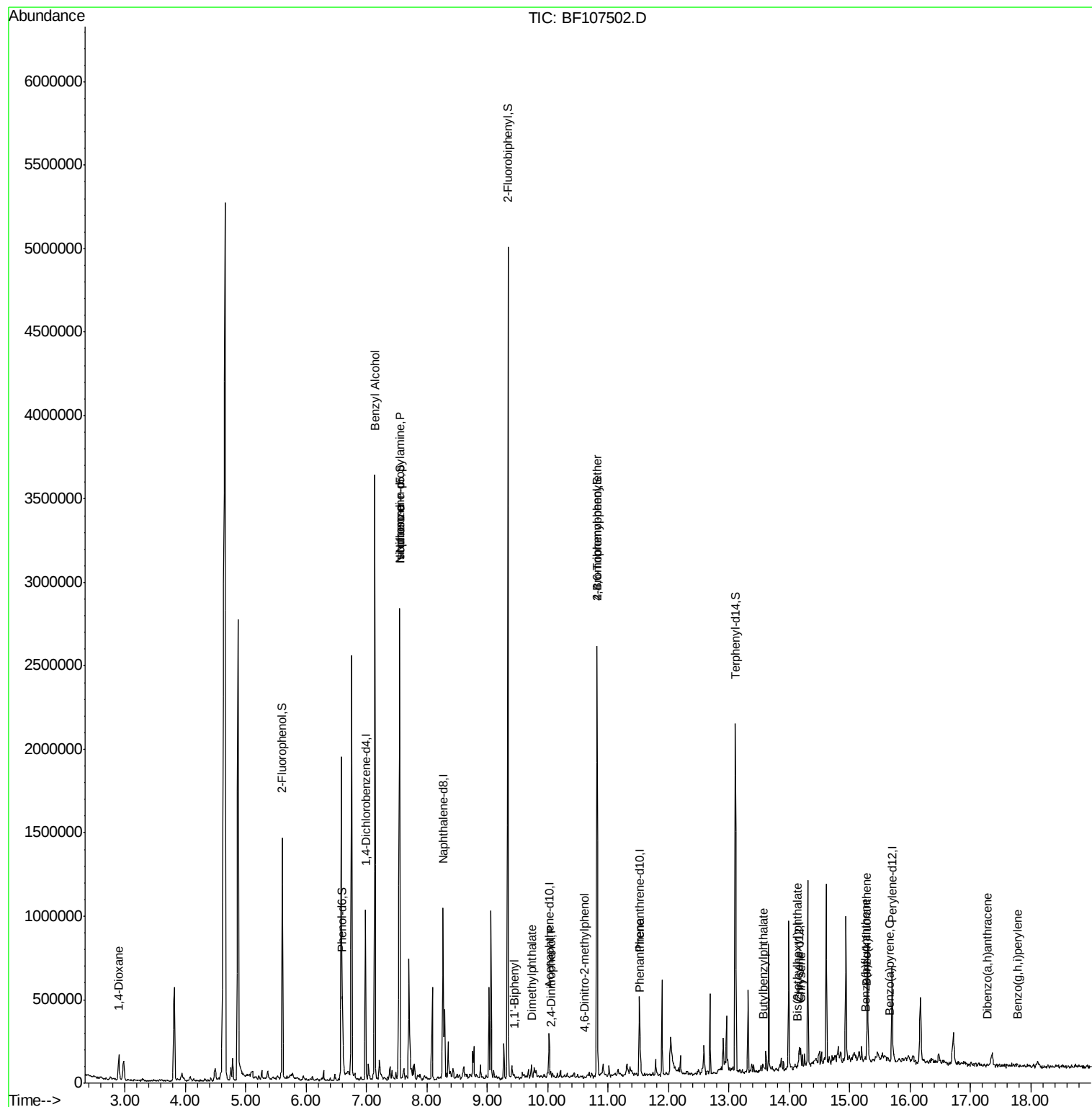
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.98	152	113060	20.00	ng	0.00
21) Naphthalene-d8	8.27	136	306455	20.00	ng	0.00
38) Acenaphthene-d10	10.02	164	23979	20.00	ng	0.00
63) Phenanthrene-d10	11.52	188	83877	20.00	ng	0.00
75) Chrysene-d12	14.17	240	12335	20.00	ng	-0.01
86) Perylene-d12	15.71	264	280	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	312713	42.01	ng	0.00
7) Phenol-d6	6.60	99	41484	4.31	ng	-0.01
23) Nitrobenzene-d5	7.55	82	982483	170.96	ng	0.00
41) 2,4,6-Tribromophenol	10.82	330	221586	1051.75	ng	-0.01
44) 2-Fluorobiphenyl	9.34	172	1497752	1181.23	ng	0.00
78) Terphenyl-d14	13.10	244	298535	601.32	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	2.90	88	74798	20.352	ng	# 89
15) Benzyl Alcohol	7.14	79	19731	2.041	ng	# 30
19) n-Nitroso-di-n-propylamine	7.55	70	168657	24.474	ng	# 78
25) Isophorone	7.55	82	979448	85.982	ng	# 64
45) 1,1'-Biphenyl	9.44	154	5086	2.453	ng	# 93
49) Dimethylphthalate	9.73	163	22890	12.014	ng	# 94
53) 2,4-Dinitrophenol	10.05	184	368	6.300	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.61	198	142	7.756	ng	# 3
66) 4-Bromophenyl-phenylether	10.82	248	26590	27.709	ng	# 1
70) Phenanthrene	11.54	178	8944	2.140	ng	# 1
79) Butylbenzylphthalate	13.57	149	987	3.230	ng	# 1
82) Chrysene	14.18	228	2872	3.984	ng	# 1
83) Bis(2-ethylhexyl)phthalate	14.12	149	3226	7.368	ng	# 53
87) Benzo(b)fluoranthene	15.26	252	288	17.573	ng	# 1
88) Benzo(k)fluoranthene	15.28	252	670	41.891	ng	# 1
89) Benzo(a)pyrene	15.66	252	1075	71.465	ng	# 1
90) Dibenzo(a,h)anthracene	17.27	278	341	30.037	ng	# 1
91) Benzo(g,h,i)perylene	17.78	276	328	28.434	ng	# 50

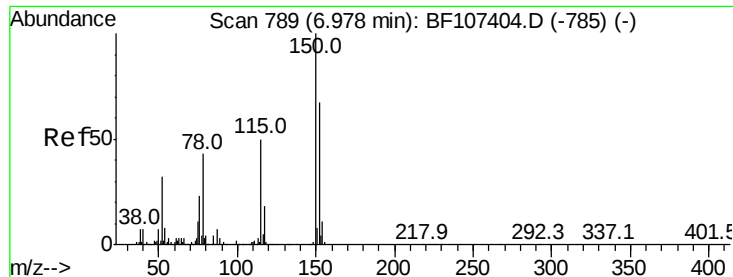
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.98 min Scan# 790

Delta R.T. -0.01 min

Lab File: BF107502.D

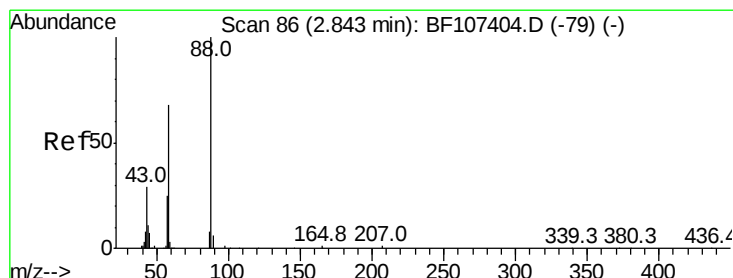
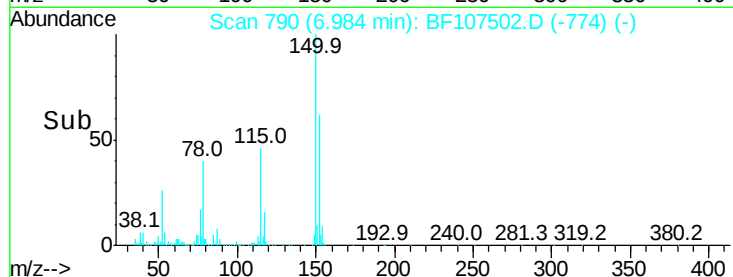
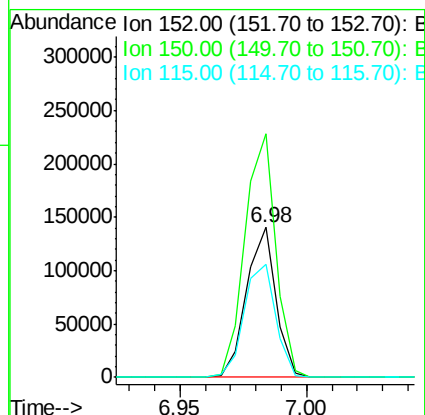
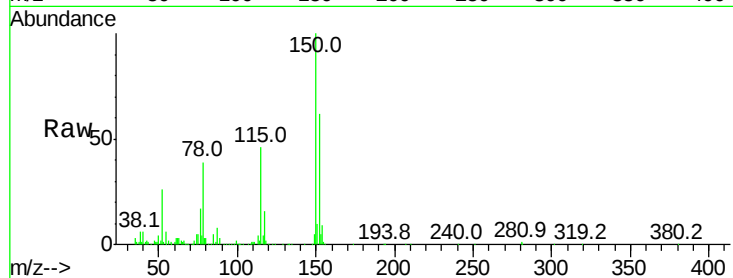
Acq: 19 Jul 2018 8:28

Instrument :

BNA_F

ClientSampleId :

Tot Ion:152 Resp: 113060
 Ion Ratio Lower Upper
 152 100
 150 162.5 124.6 186.8
 115 75.2 50.1 75.1#



#2

1,4-Dioxane

Concen: 20.352 ng

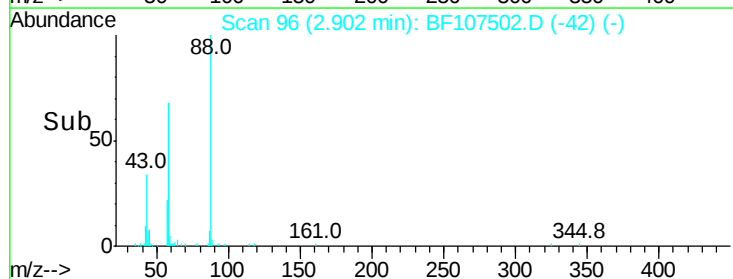
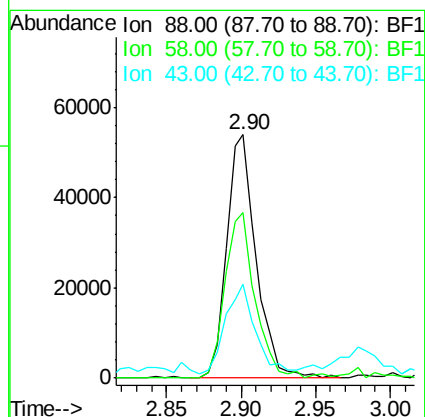
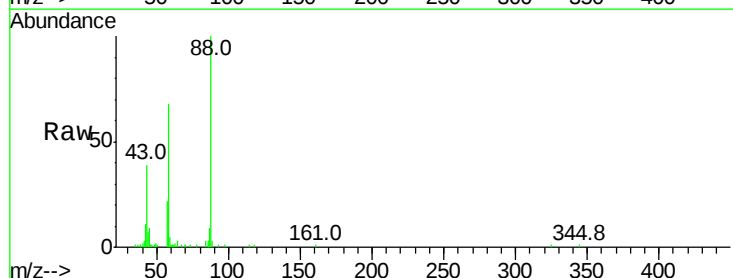
RT: 2.90 min Scan# 96

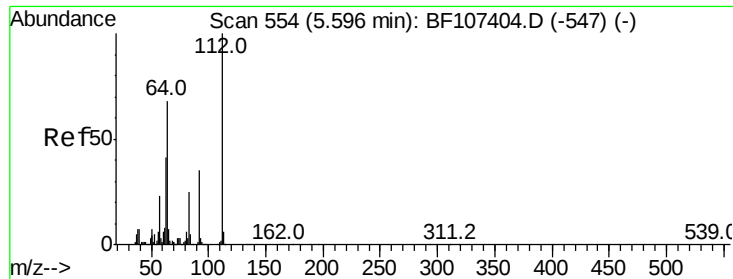
Delta R.T. 0.02 min

Lab File: BF107502.D

Acq: 19 Jul 2018 8:28

Tgt Ion: 88 Resp: 74798
 Ion Ratio Lower Upper
 88 100
 58 68.9 62.6 93.8
 43 37.5 24.6 37.0#





#5

2-Fluorophenol

Concen: 42.007 ng

RT: 5.61 min Scan# 556

Delta R.T. -0.01 min

Lab File: BF107502.D

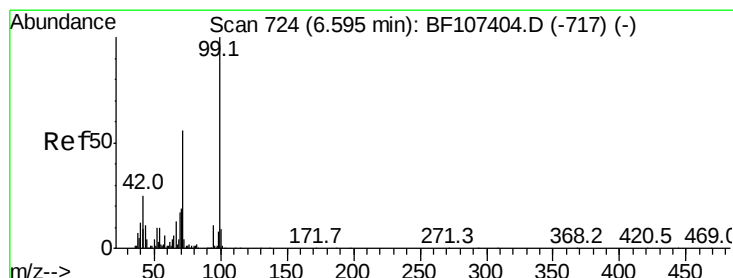
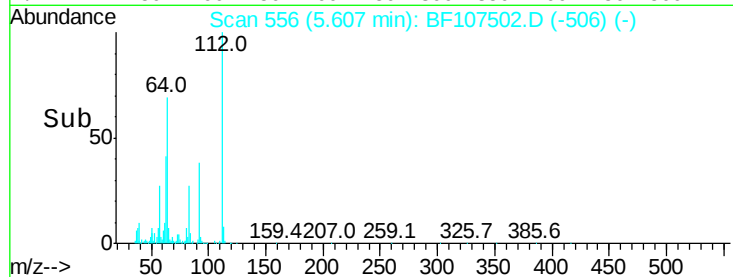
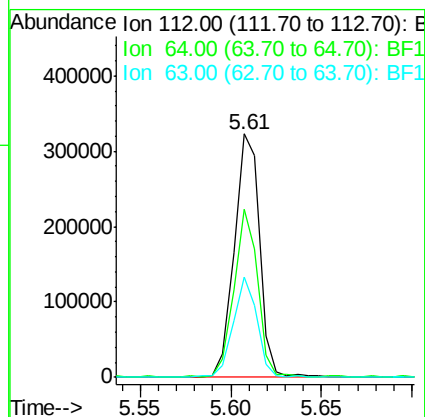
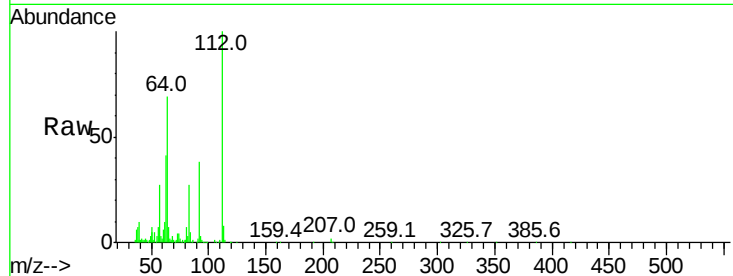
Acq: 19 Jul 2018 8:28

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	112	Resp:	312713
Ion Ratio	Lower	Upper	
112	100		
64	68.9	47.9	71.9
63	41.3	23.7	35.5#



#7

Phenol-d6

Concen: 4.310 ng

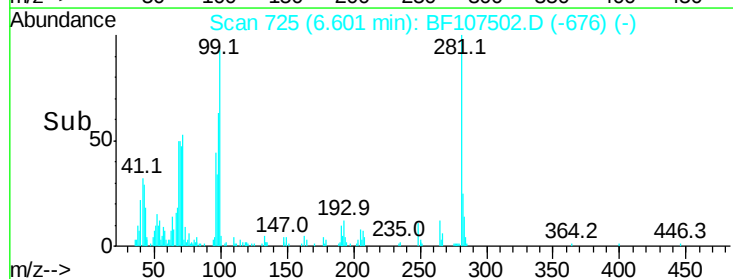
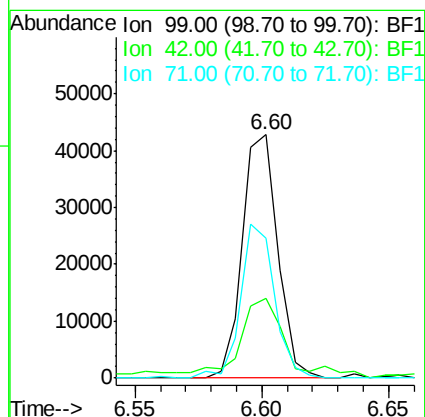
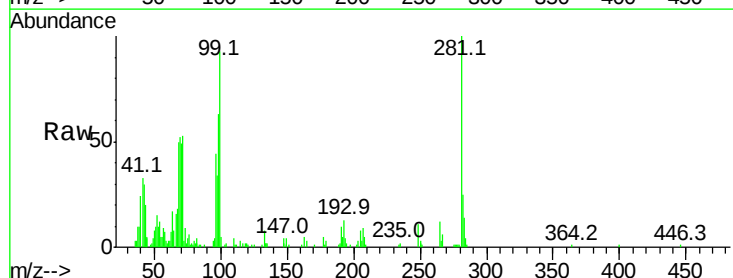
RT: 6.60 min Scan# 725

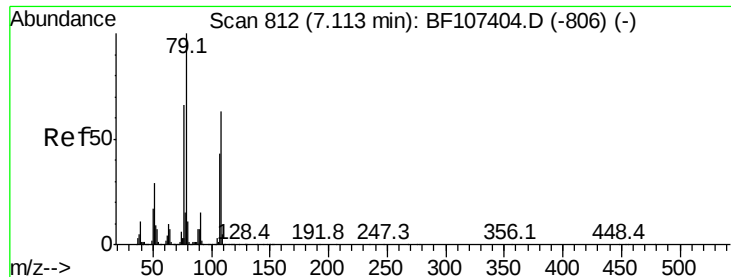
Delta R.T. -0.01 min

Lab File: BF107502.D

Acq: 19 Jul 2018 8:28

Tgt Ion:	99	Resp:	41484
Ion Ratio	Lower	Upper	
99	100		
42	32.7	14.5	21.7#
71	57.7	25.4	38.0#





#15

Benzyl Alcohol

Concen: 2.041 ng

RT: 7.14 min Scan# 817

Delta R.T. 0.02 min

Lab File: BF107502.D

Acq: 19 Jul 2018 8:28

Instrument :

BNA_F

ClientSampleId :

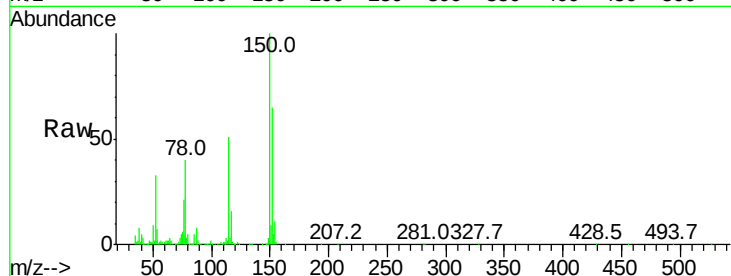
Tot Ion: 79 Resp: 19731

Ion Ratio Lower Upper

79 100

108 33.9 65.1 97.7#

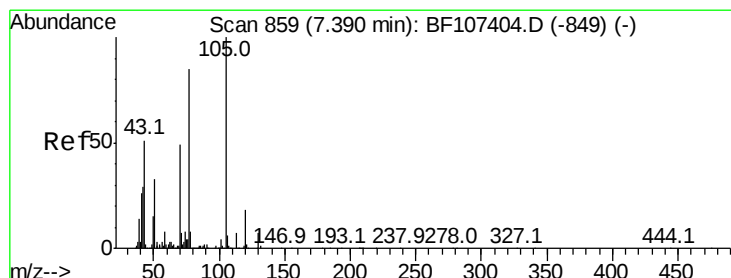
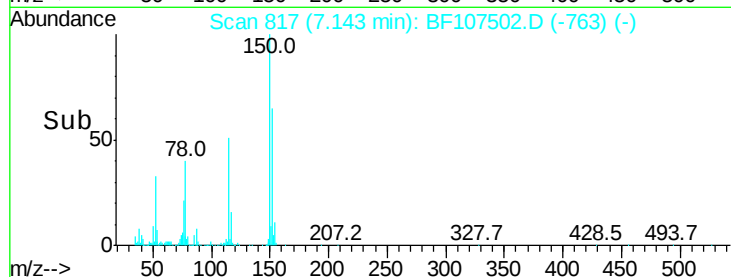
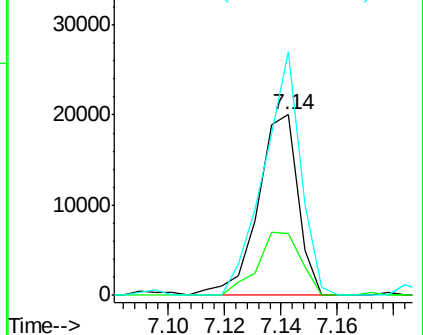
77 134.8 50.6 75.8#



Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): BF1

Ion 77.00 (76.70 to 77.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 24.474 ng

RT: 7.55 min Scan# 886

Delta R.T. 0.15 min

Lab File: BF107502.D

Acq: 19 Jul 2018 8:28

Tgt Ion: 70 Resp: 168657

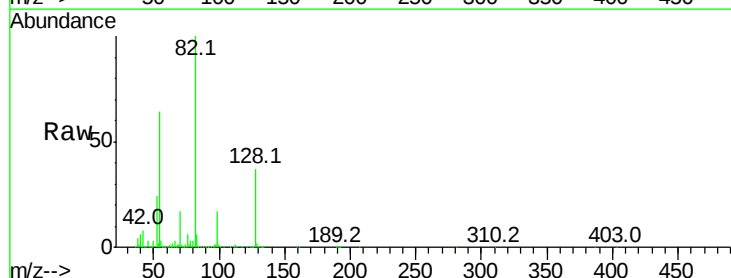
Ion Ratio Lower Upper

70 100

42 48.5 47.5 71.3

101 0.0 7.4 11.2#

130 1.6 16.6 25.0#

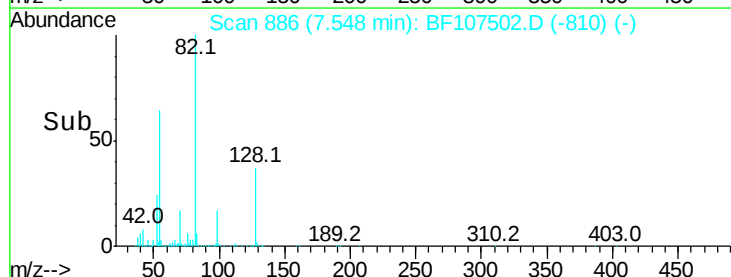
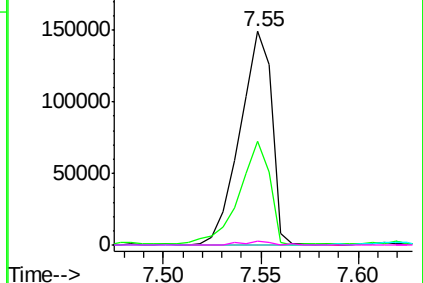


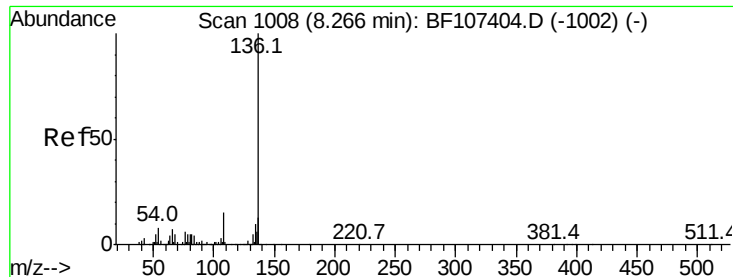
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.27 min Scan# 1008

Delta R.T. -0.01 min

Lab File: BF107502.D

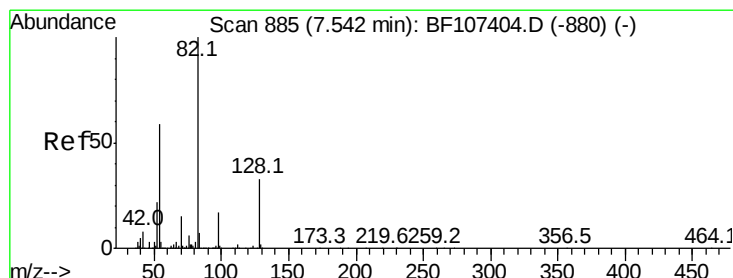
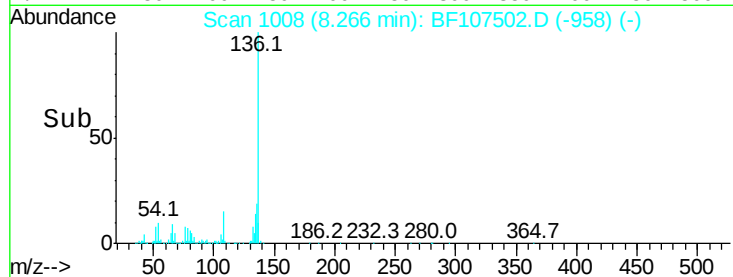
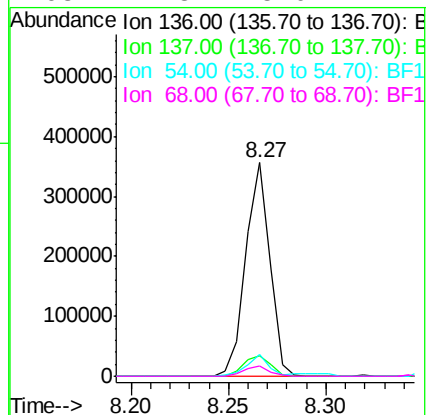
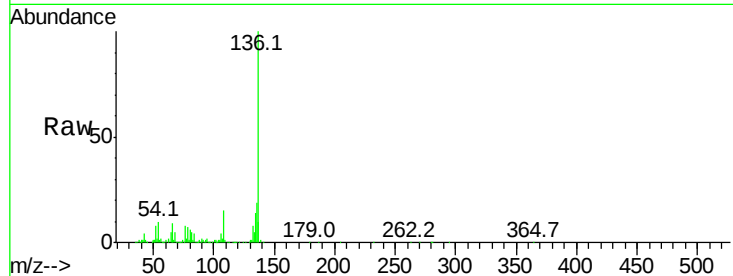
Acq: 19 Jul 2018 8:28

Instrument :

BNA_F

ClientSampleId :

Tot Ion:	136	Resp:	306455
Ion	Ratio	Lower	Upper
136	100		
137	9.6	8.9	13.3
54	10.1	6.6	9.8#
68	4.8	5.0	7.4#



#23

Nitrobenzene-d5

Concen: 170.955 ng

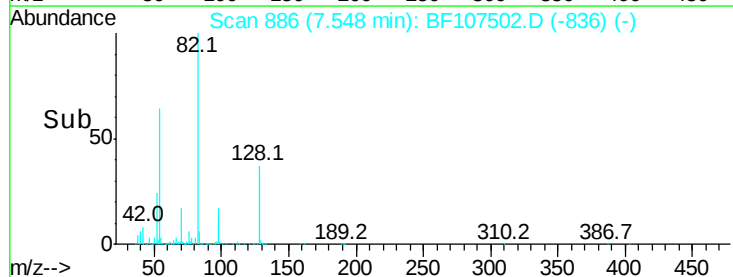
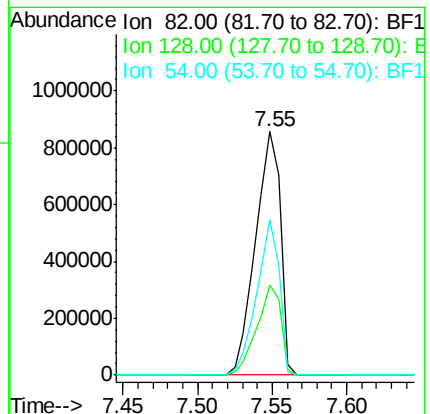
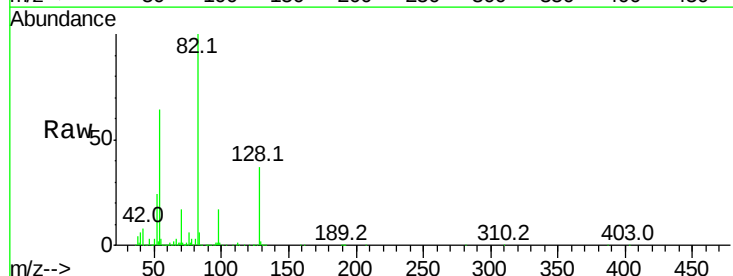
RT: 7.55 min Scan# 886

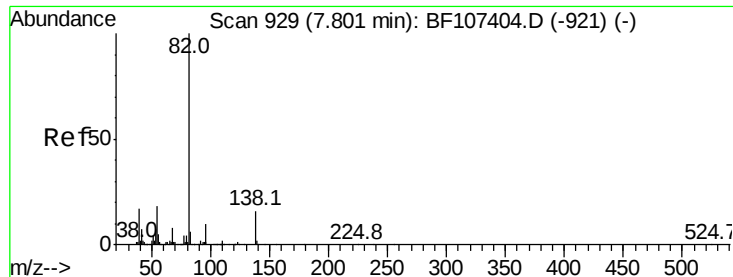
Delta R.T. -0.01 min

Lab File: BF107502.D

Acq: 19 Jul 2018 8:28

Tgt Ion:	82	Resp:	982483
Ion	Ratio	Lower	Upper
82	100		
128	37.1	36.1	54.1
54	63.8	41.4	62.2#





#25

Isophorone

Concen: 85.982 ng

RT: 7.55 min Scan# 886

Delta R.T. -0.26 min

Lab File: BF107502.D

Acq: 19 Jul 2018 8:28

Instrument :

BNA_F

ClientSampleId :

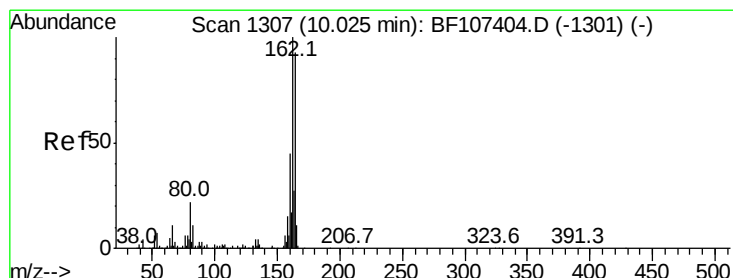
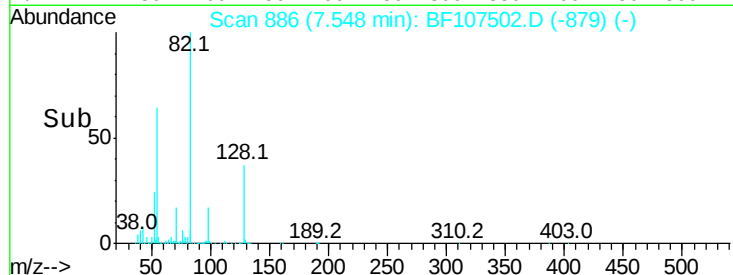
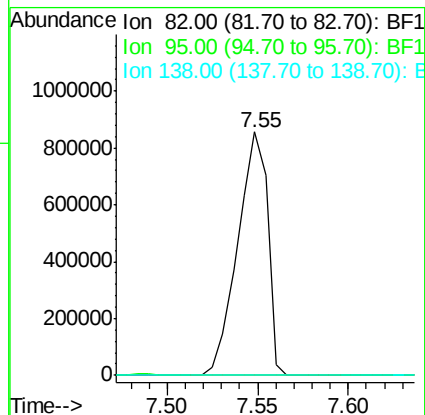
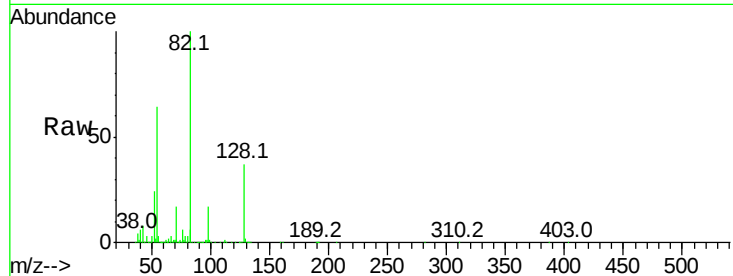
Tot Ion: 82 Resp: 979448

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

138 0.0 14.9 22.3#



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.02 min Scan# 1307

Delta R.T. -0.01 min

Lab File: BF107502.D

Acq: 19 Jul 2018 8:28

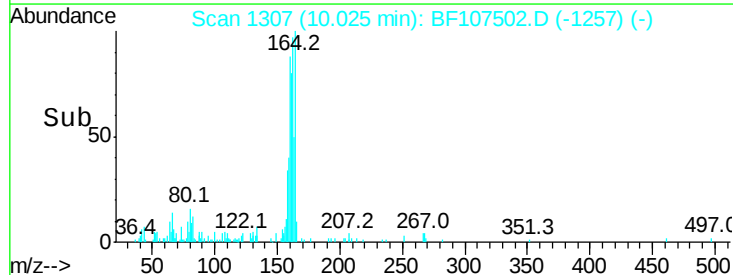
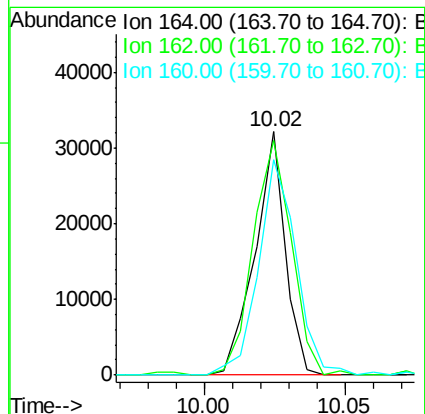
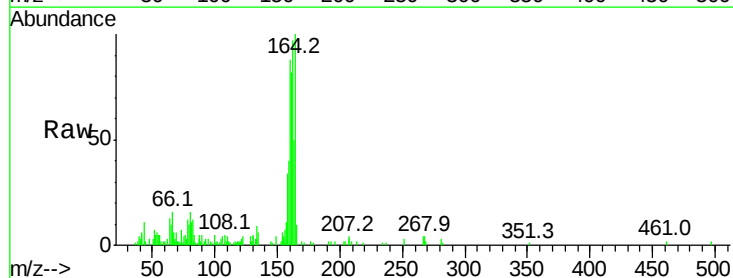
Tgt Ion:164 Resp: 23979

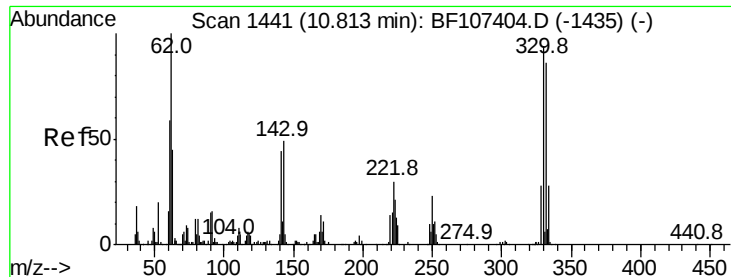
Ion Ratio Lower Upper

164 100

162 96.5 86.1 129.1

160 88.3 38.3 57.5#





#41

2,4,6-Tribromophenol

Concen: 1051.747 ng

RT: 10.82 min Scan# 1442

Delta R.T. -0.01 min

Lab File: BF107502.D

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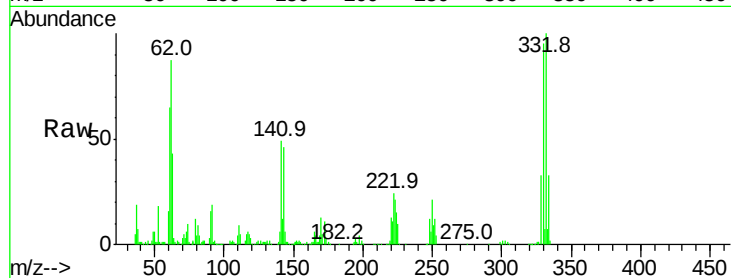
Tot Ion:330 Resp: 221586

Ion Ratio Lower Upper

330 100

332 101.3 77.0 115.6

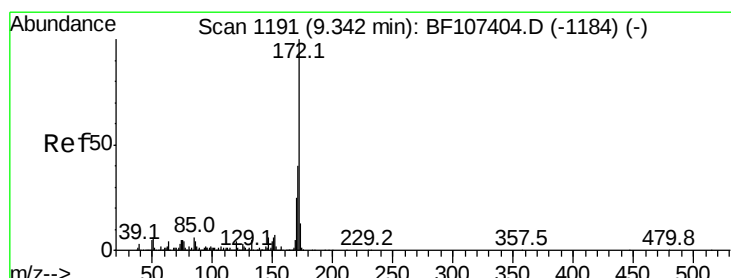
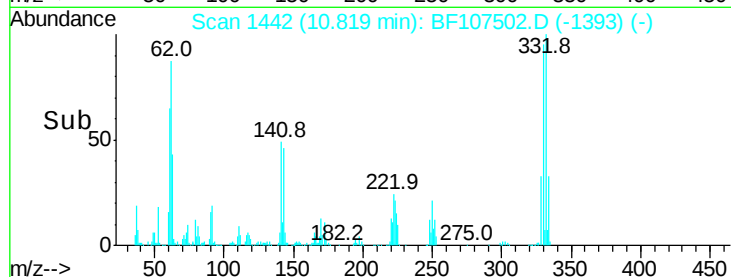
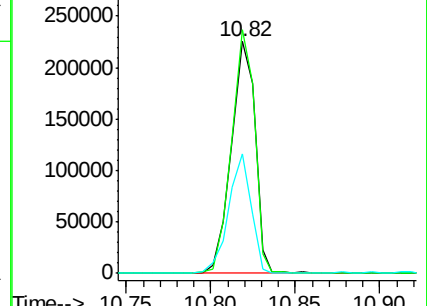
141 49.4 29.9 44.9#



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44

2-Fluorobiphenyl

Concen: 1181.233 ng

RT: 9.34 min Scan# 1191

Delta R.T. -0.01 min

Lab File: BF107502.D

Acq: 19 Jul 2018 8:28

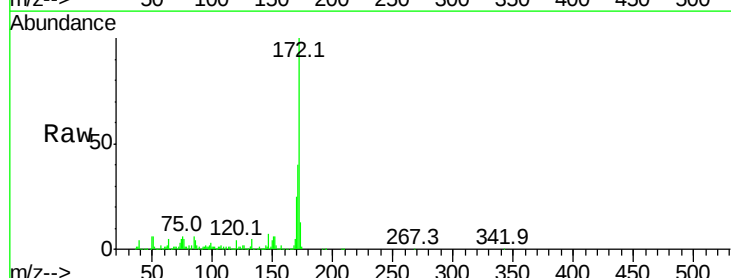
Tgt Ion:172 Resp: 1497752

Ion Ratio Lower Upper

172 100

171 39.7 29.7 44.5

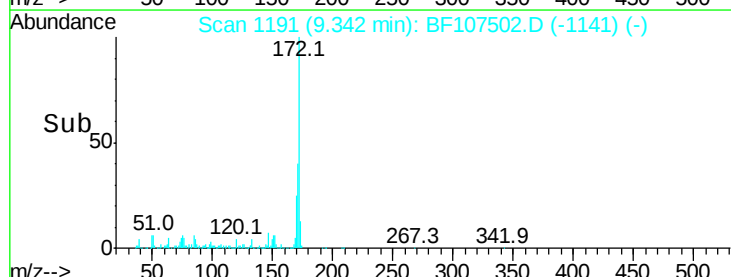
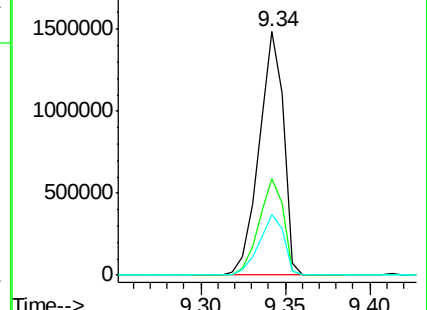
170 25.1 19.6 29.4

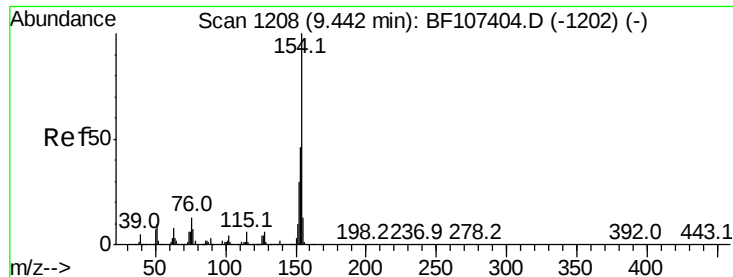


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#45

1,1'-Biphenyl

Concen: 2.453 ng

RT: 9.44 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF107502.D

Acq: 19 Jul 2018 8:28

Instrument :

BNA_F

ClientSampleId :

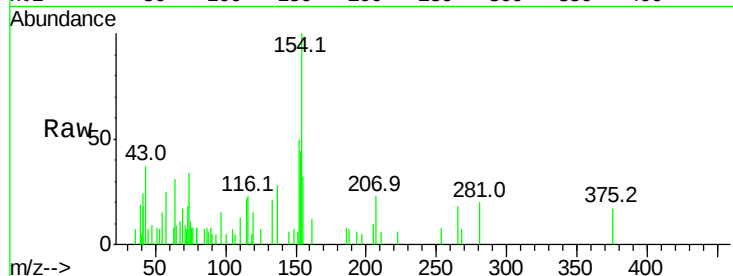
Tot Ion:154 Resp: 5086

Ion Ratio Lower Upper

154 100

153 43.8 21.3 61.3

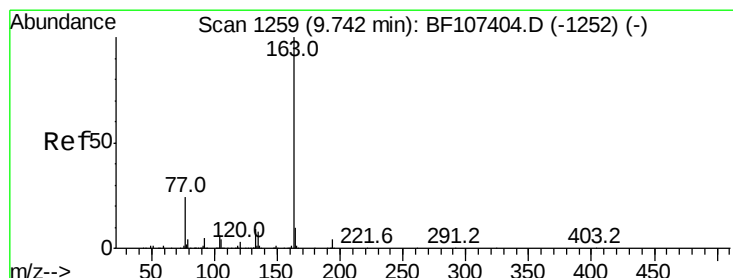
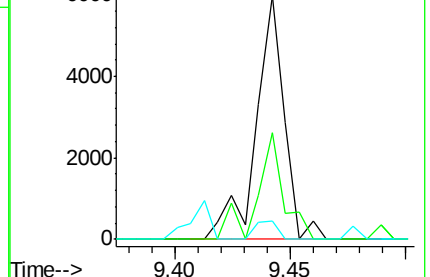
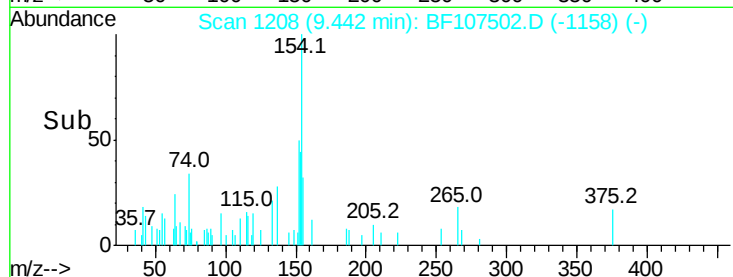
76 7.7 0.0 34.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



#49

Dimethylphthalate

Concen: 12.014 ng

RT: 9.73 min Scan# 1257

Delta R.T. -0.02 min

Lab File: BF107502.D

Acq: 19 Jul 2018 8:28

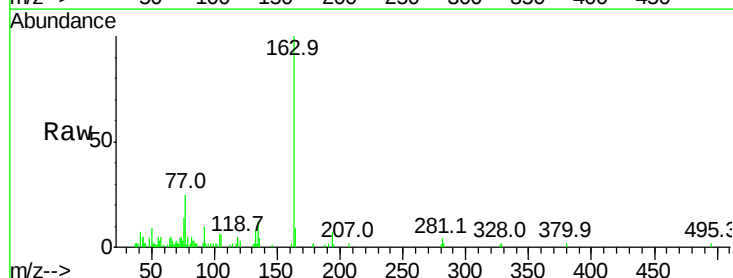
Tgt Ion:163 Resp: 22890

Ion Ratio Lower Upper

163 100

194 7.8 2.7 4.1#

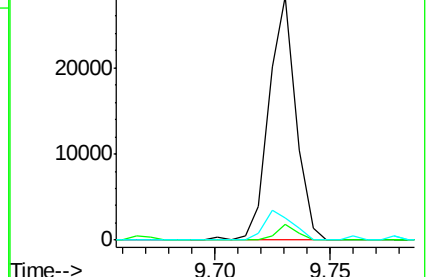
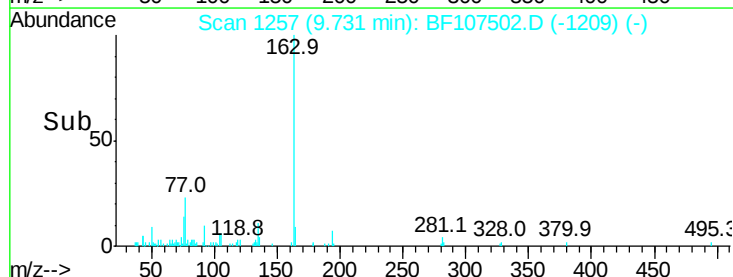
164 8.9 8.2 12.2

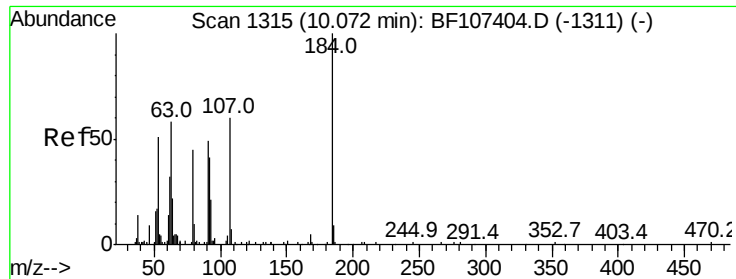


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

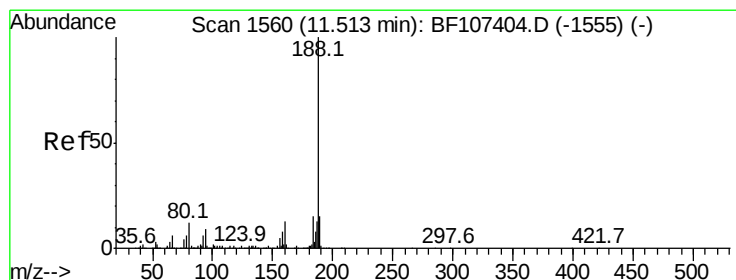
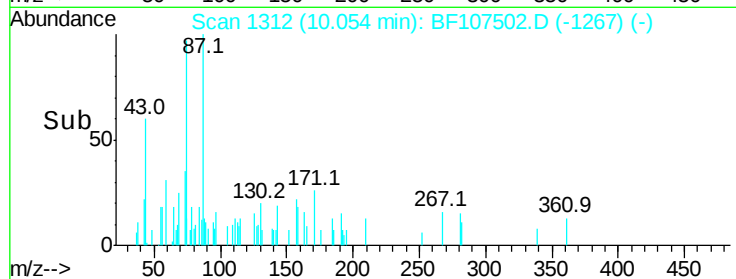
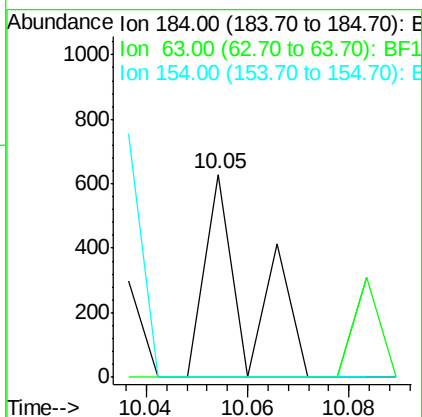
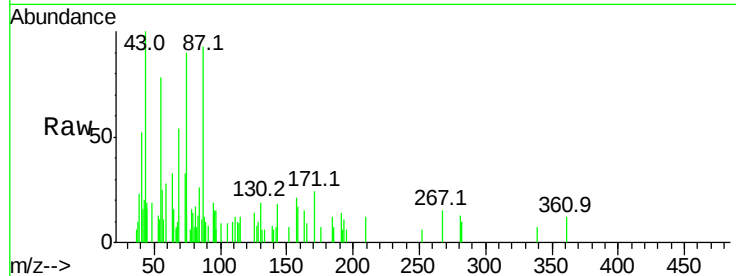




#53
 2,4-Dinitrophenol
 Concen: 6.300 ng
 RT: 10.05 min Scan# 1312
 Delta R.T. -0.04 min
 Lab File: BF107502.D
 Acq: 19 Jul 2018 8:28

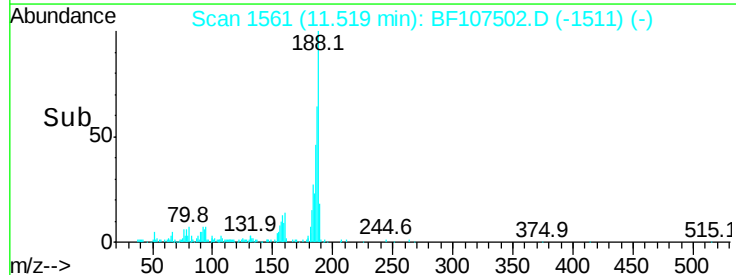
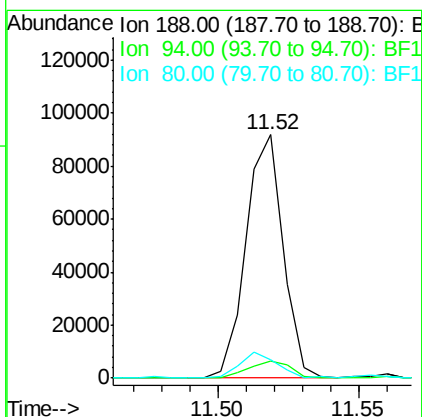
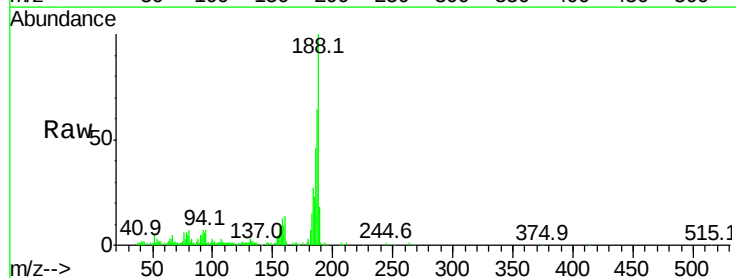
Instrument :
 BNA_F
 ClientSampled :

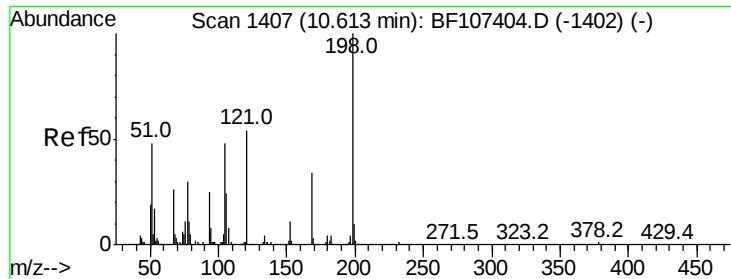
Tot Ion:184 Resp: 368
 Ion Ratio Lower Upper
 184 100
 63 267.9 54.2 81.2#
 154 0.0 184.0 276.0#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.52 min Scan# 1561
 Delta R.T. -0.01 min
 Lab File: BF107502.D
 Acq: 19 Jul 2018 8:28

Tgt Ion:188 Resp: 83877
 Ion Ratio Lower Upper
 188 100
 94 7.1 8.5 12.7#
 80 7.4 9.2 13.8#

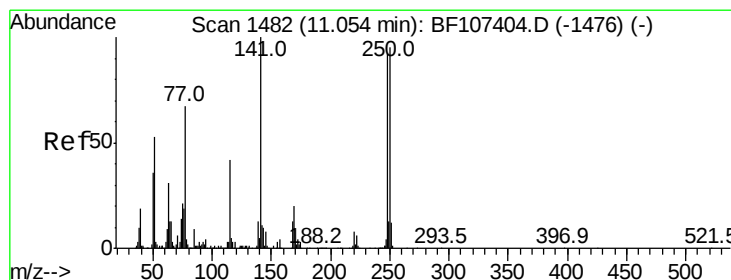
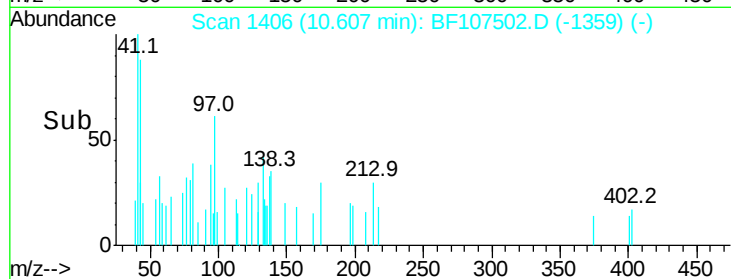
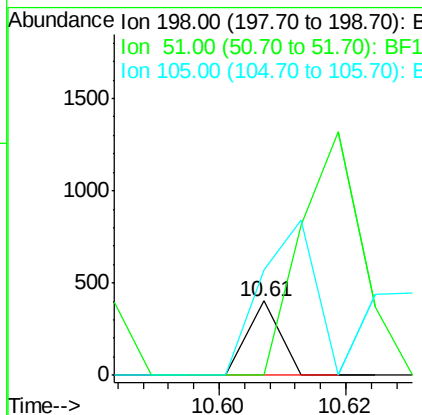
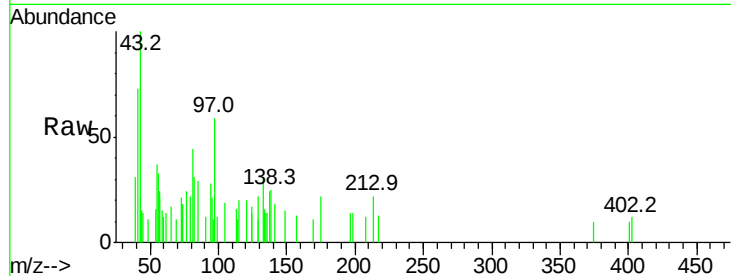




#64
4,6-Dinitro-2-methylphenol
Concen: 7.756 ng
RT: 10.61 min Scan# 1406
Delta R.T. -0.02 min
Lab File: BF107502.D
Acq: 19 Jul 2018 8:28

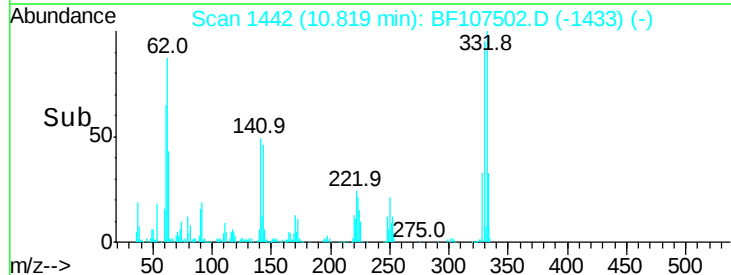
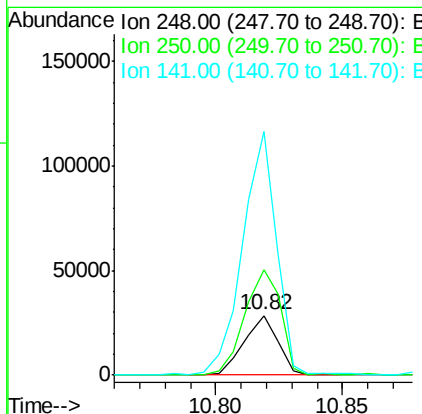
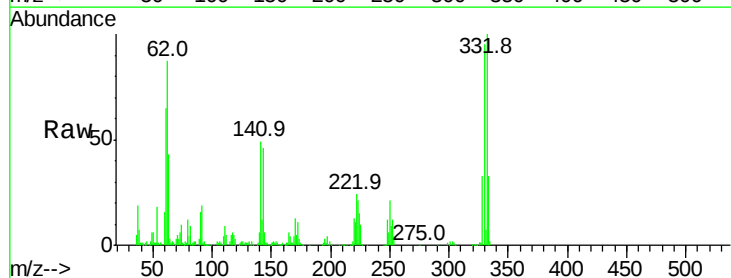
Instrument :
BNA_F
ClientSampleId :

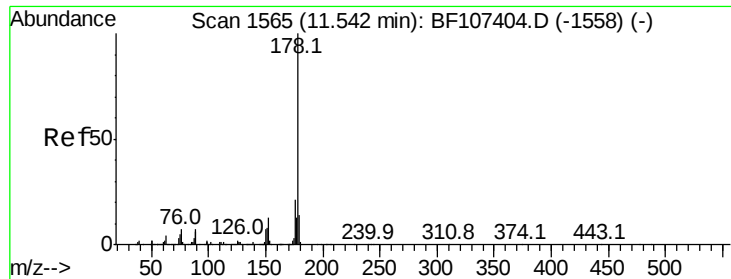
Tot Ion:198 Resp: 142
Ion Ratio Lower Upper
198 100
51 0.0 37.7 77.7#
105 142.3 36.3 76.3#



#66
4-Bromophenyl-phenylether
Concen: 27.709 ng
RT: 10.82 min Scan# 1442
Delta R.T. -0.25 min
Lab File: BF107502.D
Acq: 19 Jul 2018 8:28

Tgt Ion:248 Resp: 26590
Ion Ratio Lower Upper
248 100
250 176.6 76.9 115.3#
141 406.2 74.4 111.6#





#70

Phenanthrene

Concen: 2.140 ng

RT: 11.54 min Scan# 1564

Delta R.T. -0.02 min

Lab File: BF107502.D

Acq: 19 Jul 2018 8:28

Instrument :

BNA_F

ClientSampleId :

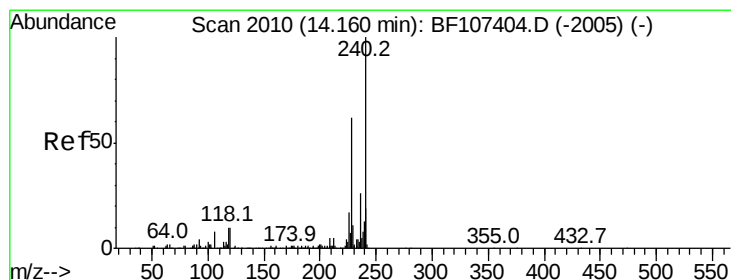
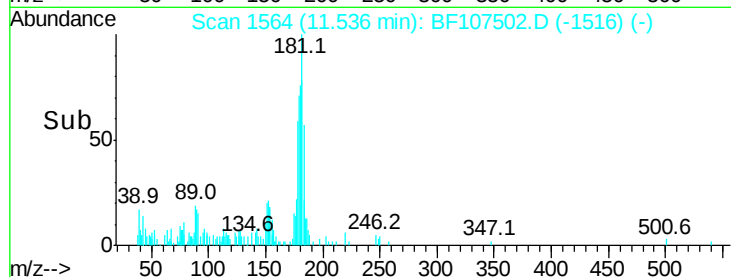
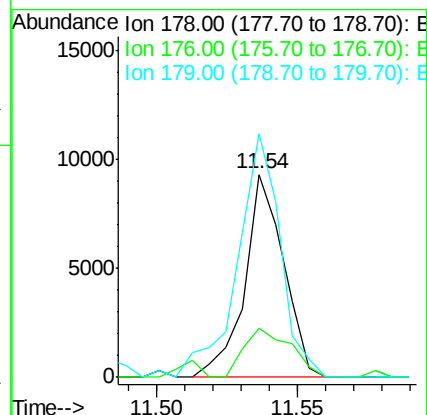
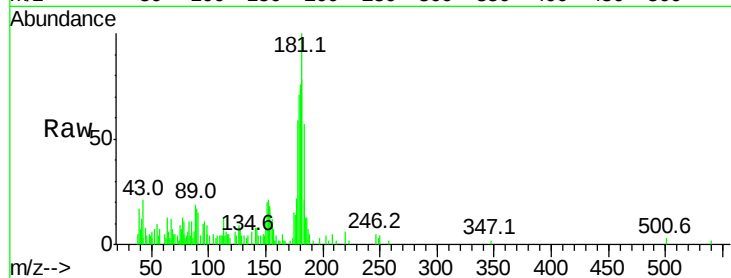
Tot Ion:178 Resp: 8944

Ion Ratio Lower Upper

178 100

176 24.4 15.8 23.8#

179 120.0 13.0 19.6#



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.17 min Scan# 2011

Delta R.T. -0.01 min

Lab File: BF107502.D

Acq: 19 Jul 2018 8:28

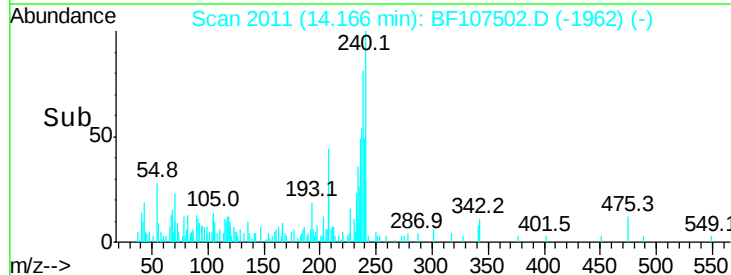
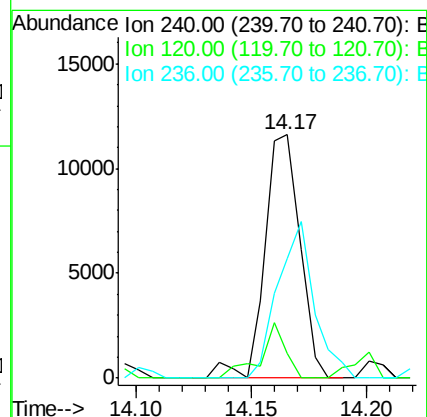
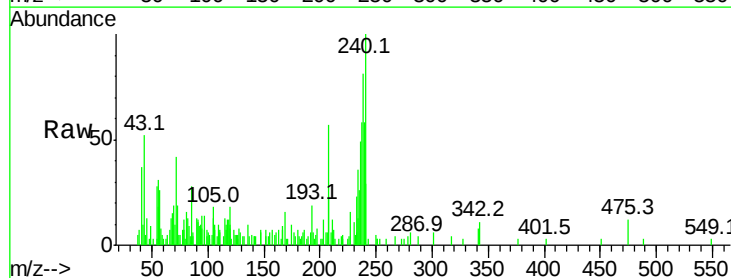
Tgt Ion:240 Resp: 12335

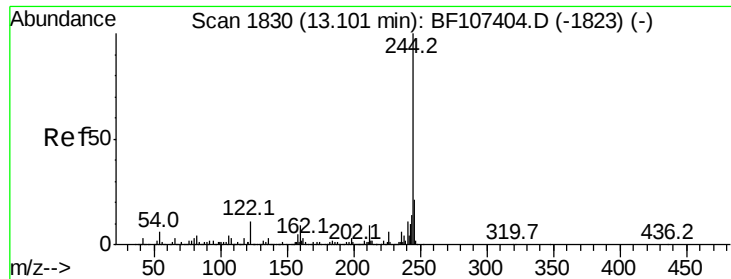
Ion Ratio Lower Upper

240 100

120 10.2 9.5 14.3

236 49.1 20.7 31.1#





#78

Terphenyl-d14

Concen: 601.324 ng

RT: 13.10 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BF107502.D

Acq: 19 Jul 2018 8:28

Instrument :

BNA_F

ClientSampleId :

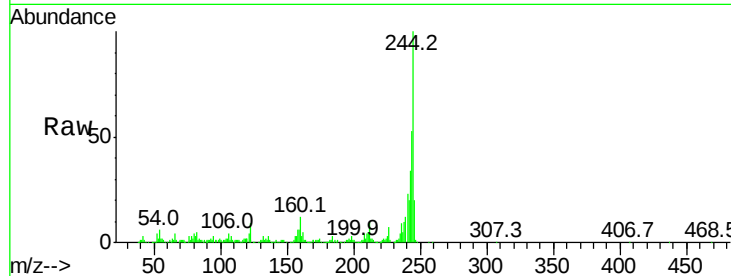
Tot Ion:244 Resp: 298535

Ion Ratio Lower Upper

244 100

212 9.6 5.4 8.0#

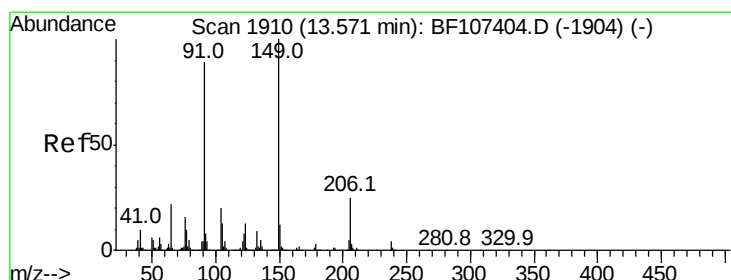
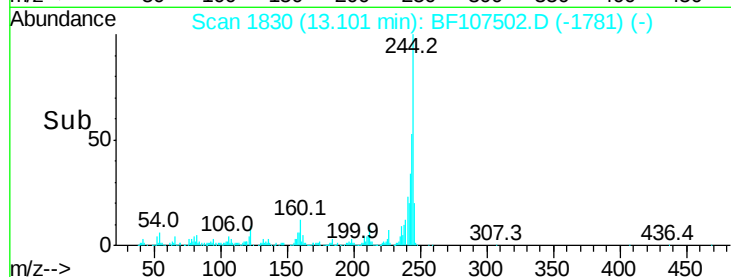
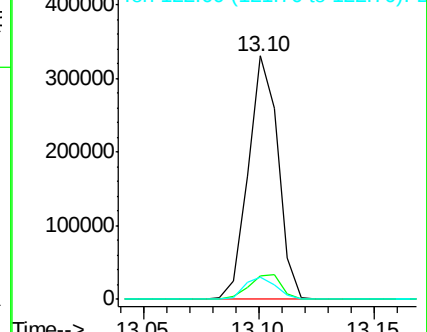
122 9.1 11.0 16.4#



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



#79

Butylbenzylphthalate

Concen: 3.230 ng

RT: 13.57 min Scan# 1910

Delta R.T. -0.01 min

Lab File: BF107502.D

Acq: 19 Jul 2018 8:28

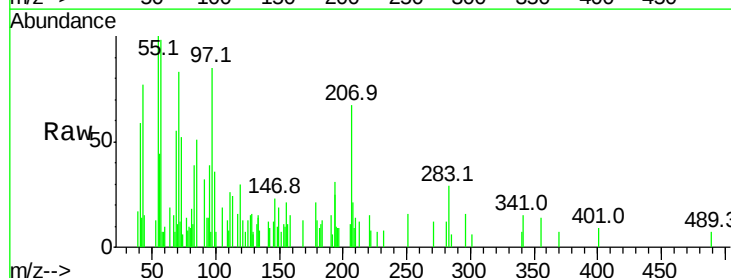
Tgt Ion:149 Resp: 987

Ion Ratio Lower Upper

149 100

91 167.9 56.8 85.2#

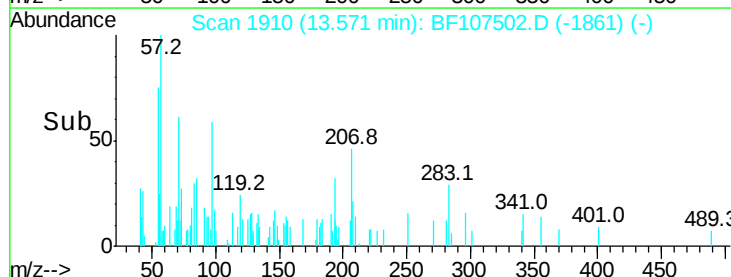
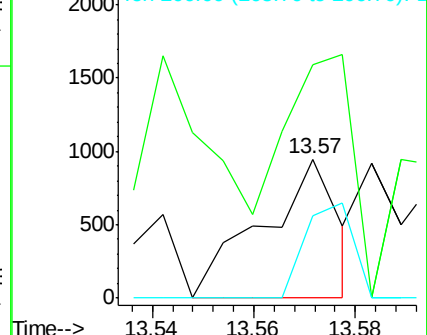
206 59.1 14.1 21.1#

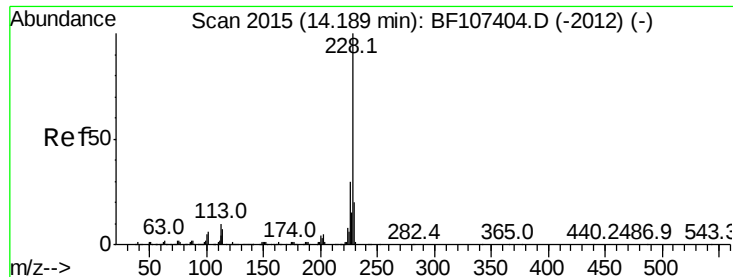


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E





#82

Chrysene

Concen: 3.984 ng

RT: 14.18 min Scan# 2014

Delta R.T. -0.02 min

Lab File: BF107502.D

Acq: 19 Jul 2018 8:28

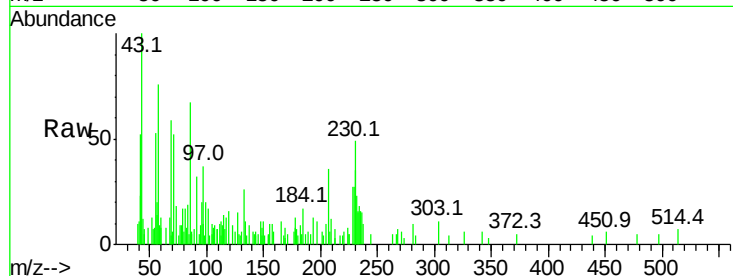
Instrument :

BNA_F

ClientSampleId :

Tot Ion:228 Resp: 2872

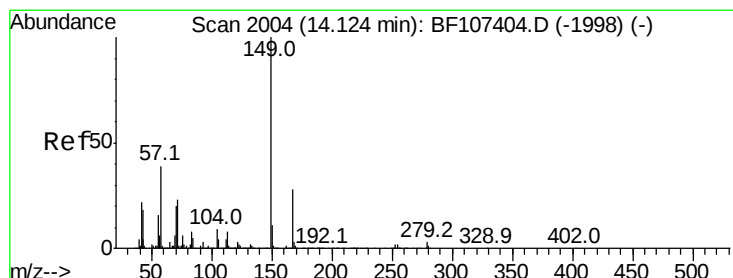
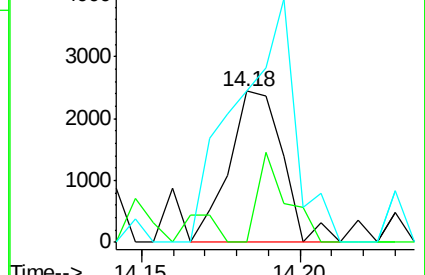
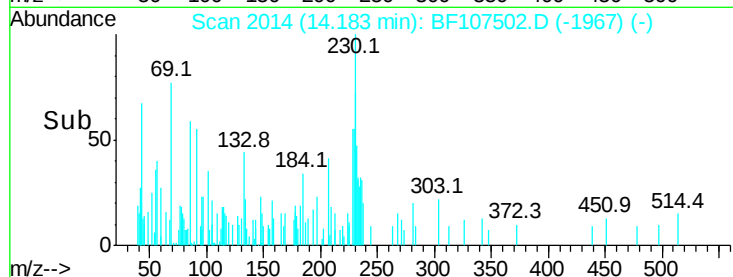
Ion	Ratio	Lower	Upper
228	100		
226	0.0	25.0	37.6#
229	100.0	16.2	24.4#



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



#83

Bis(2-ethylhexyl)phthalate

Concen: 7.368 ng

RT: 14.12 min Scan# 2004

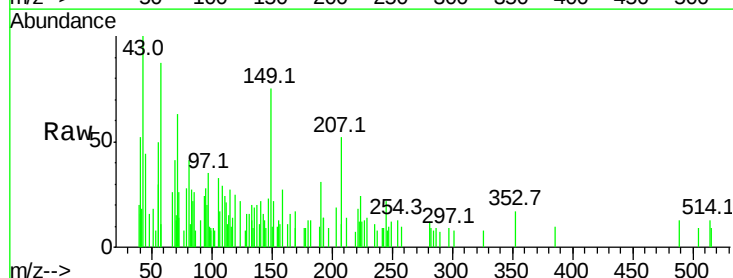
Delta R.T. -0.01 min

Lab File: BF107502.D

Acq: 19 Jul 2018 8:28

Tgt Ion:149 Resp: 3226

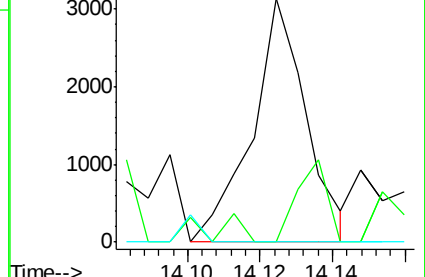
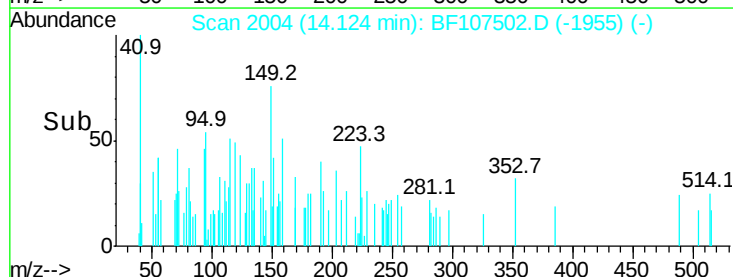
Ion	Ratio	Lower	Upper
149	100		
167	0.0	21.3	31.9#
279	0.0	3.0	4.4#

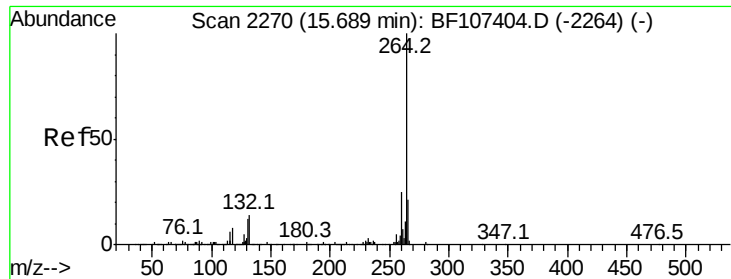


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.71 min Scan# 2273

Delta R.T. -0.01 min

Lab File: BF107502.D

Acq: 19 Jul 2018 8:28

Instrument :

BNA_F

ClientSampleId :

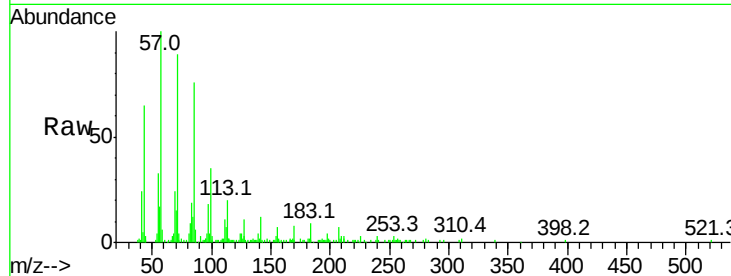
Tot Ion:264 Resp: 280

Ion Ratio Lower Upper

264 100

260 0.0 19.2 28.8#

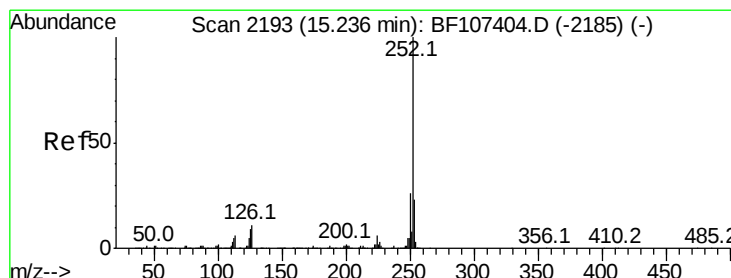
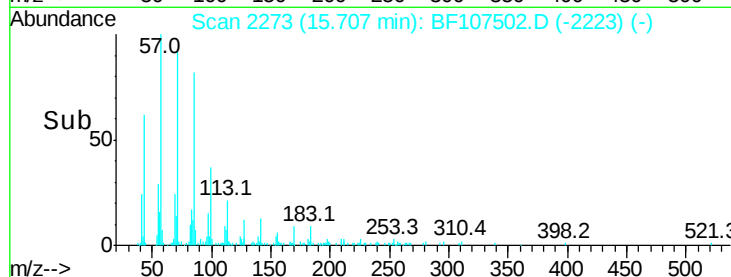
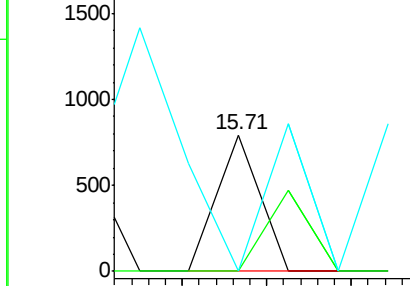
265 0.0 17.5 26.3#



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



#87

Benzo(b)fluoranthene

Concen: 17.573 ng

RT: 15.26 min Scan# 2197

Delta R.T. 0.01 min

Lab File: BF107502.D

Acq: 19 Jul 2018 8:28

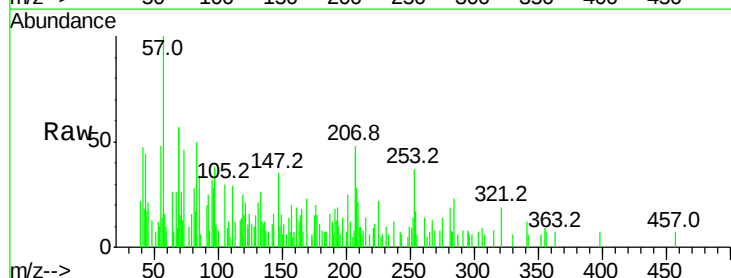
Tgt Ion:252 Resp: 288

Ion Ratio Lower Upper

252 100

253 271.4 17.0 25.6#

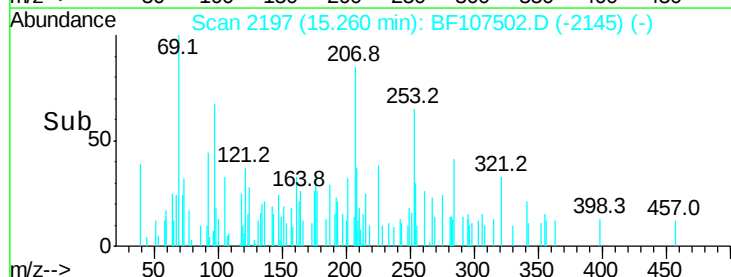
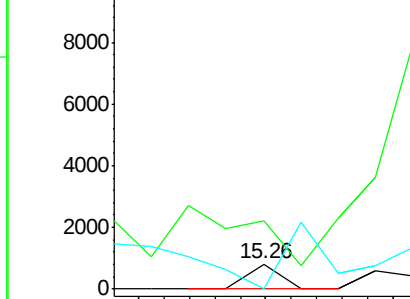
125 0.0 9.0 13.6#

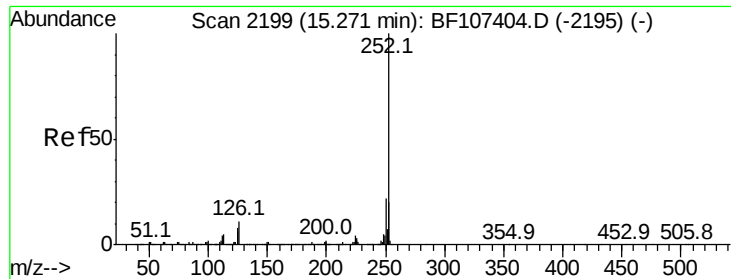


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

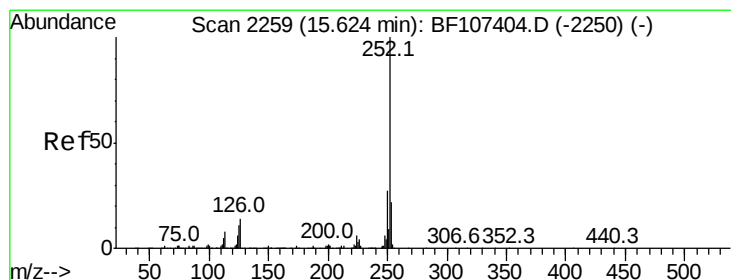
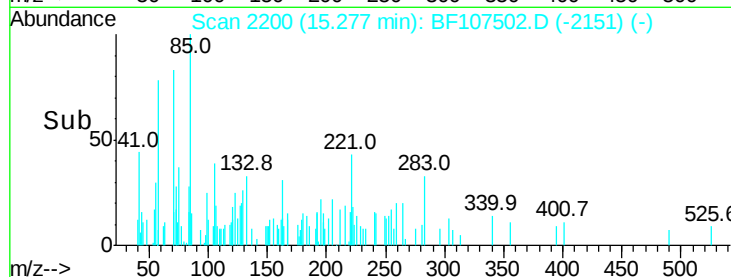
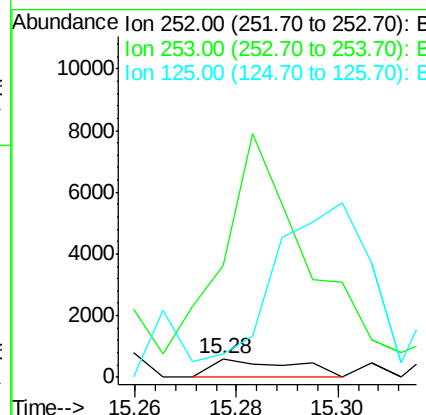
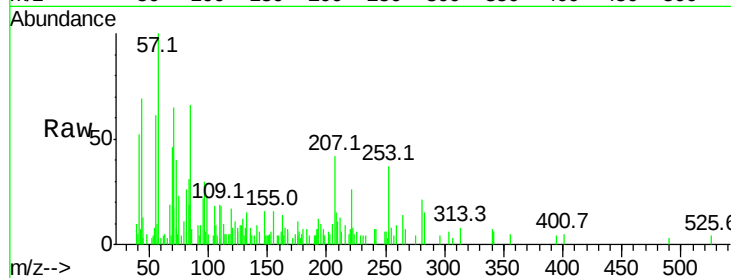




#88
Benzo(k)fluoranthene
Concen: 41.891 ng
RT: 15.28 min Scan# 2200
Delta R.T. -0.01 min
Lab File: BF107502.D
Acq: 19 Jul 2018 8:28

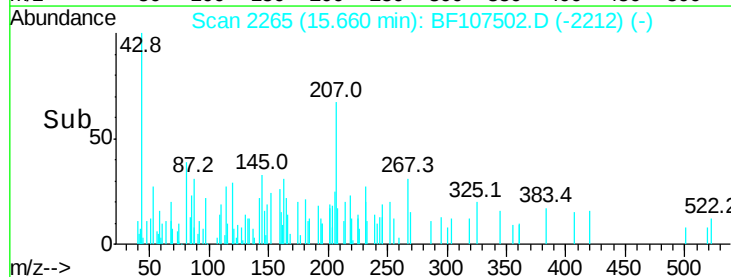
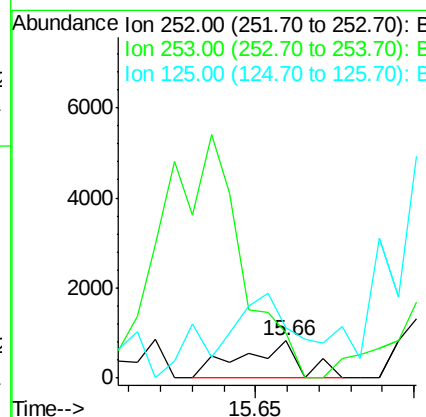
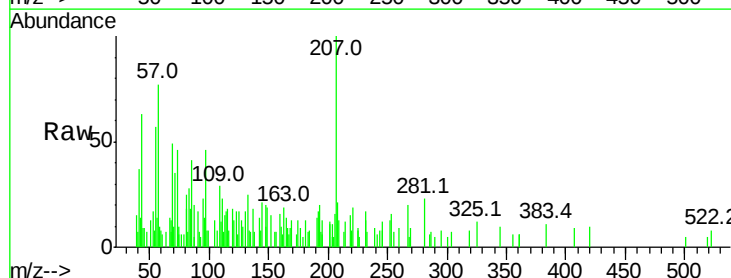
Instrument :
BNA_F
ClientSampleId :

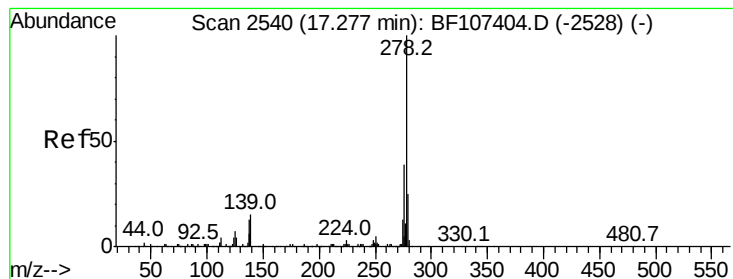
Tot Ion:252 Resp: 670
Ion Ratio Lower Upper
252 100
253 591.5 17.9 26.9#
125 124.2 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 71.465 ng
RT: 15.66 min Scan# 2265
Delta R.T. 0.01 min
Lab File: BF107502.D
Acq: 19 Jul 2018 8:28

Tgt Ion:252 Resp: 1075
Ion Ratio Lower Upper
252 100
253 123.9 17.1 25.7#
125 135.0 9.8 14.6#





#90

Dibenzo(a,h)anthracene

Concen: 30.037 ng

RT: 17.27 min Scan# 2539

Delta R.T. -0.04 min

Lab File: BF107502.D

Acq: 19 Jul 2018 8:28

Instrument :

BNA_F

ClientSampleId :

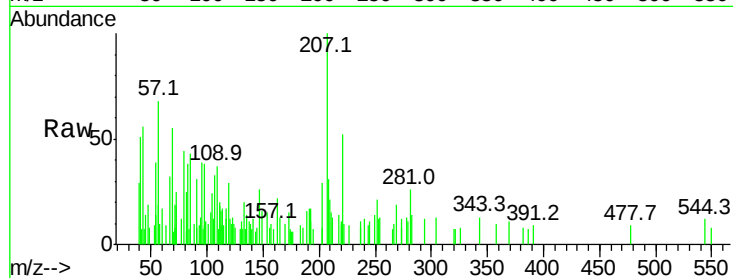
Tot Ion:278 Resp: 341

Ion Ratio Lower Upper

278 100

139 73.2 15.9 23.9#

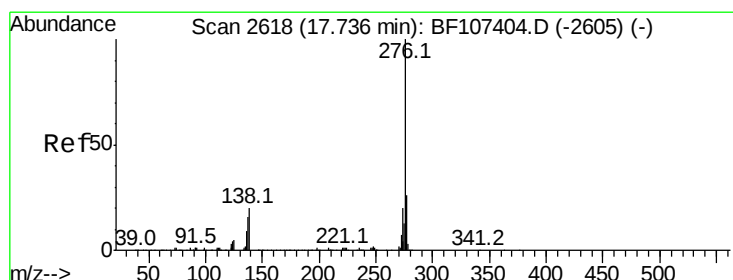
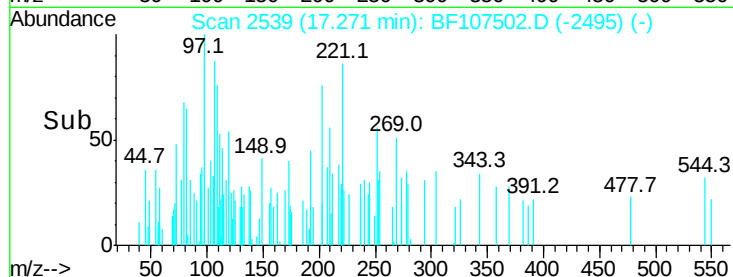
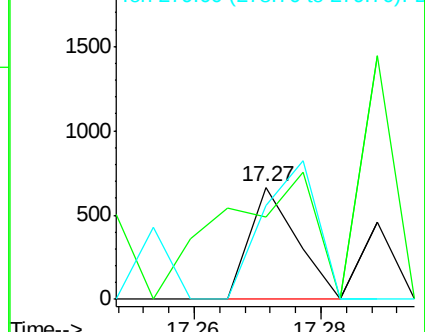
279 83.2 19.0 28.4#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 28.434 ng

RT: 17.78 min Scan# 2626

Delta R.T. 0.01 min

Lab File: BF107502.D

Acq: 19 Jul 2018 8:28

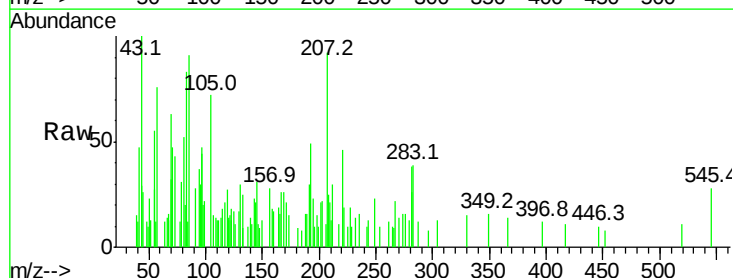
Tgt Ion:276 Resp: 328

Ion Ratio Lower Upper

276 100

277 0.0 17.9 26.9#

138 0.0 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

