

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072418\
 Data File : BF107637.D
 Acq On : 24 Jul 2018 23:28
 Operator : JU/SJ
 Sample : J4031-07
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PLANTER-DOC-7

Quant Time: Jul 25 01:07:12 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF072018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 20 16:29:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	264562	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	1000874	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	413606	20.00	ng	0.00
63) Phenanthrene-d10	11.51	188	725584	20.00	ng	0.00
75) Chrysene-d12	14.15	240	528535	20.00	ng	-0.01
86) Perylene-d12	15.69	264	460182	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	1575507	95.75	ng	0.00
7) Phenol-d6	6.61	99	1932180	97.79	ng	0.00
23) Nitrobenzene-d5	7.54	82	1174825	79.22	ng	-0.01
41) 2,4,6-Tribromophenol	10.81	330	448729	95.41	ng	-0.01
44) 2-Fluorobiphenyl	9.32	172	1984996	81.19	ng	-0.01
78) Terphenyl-d14	13.09	244	1666041	80.70	ng	-0.01

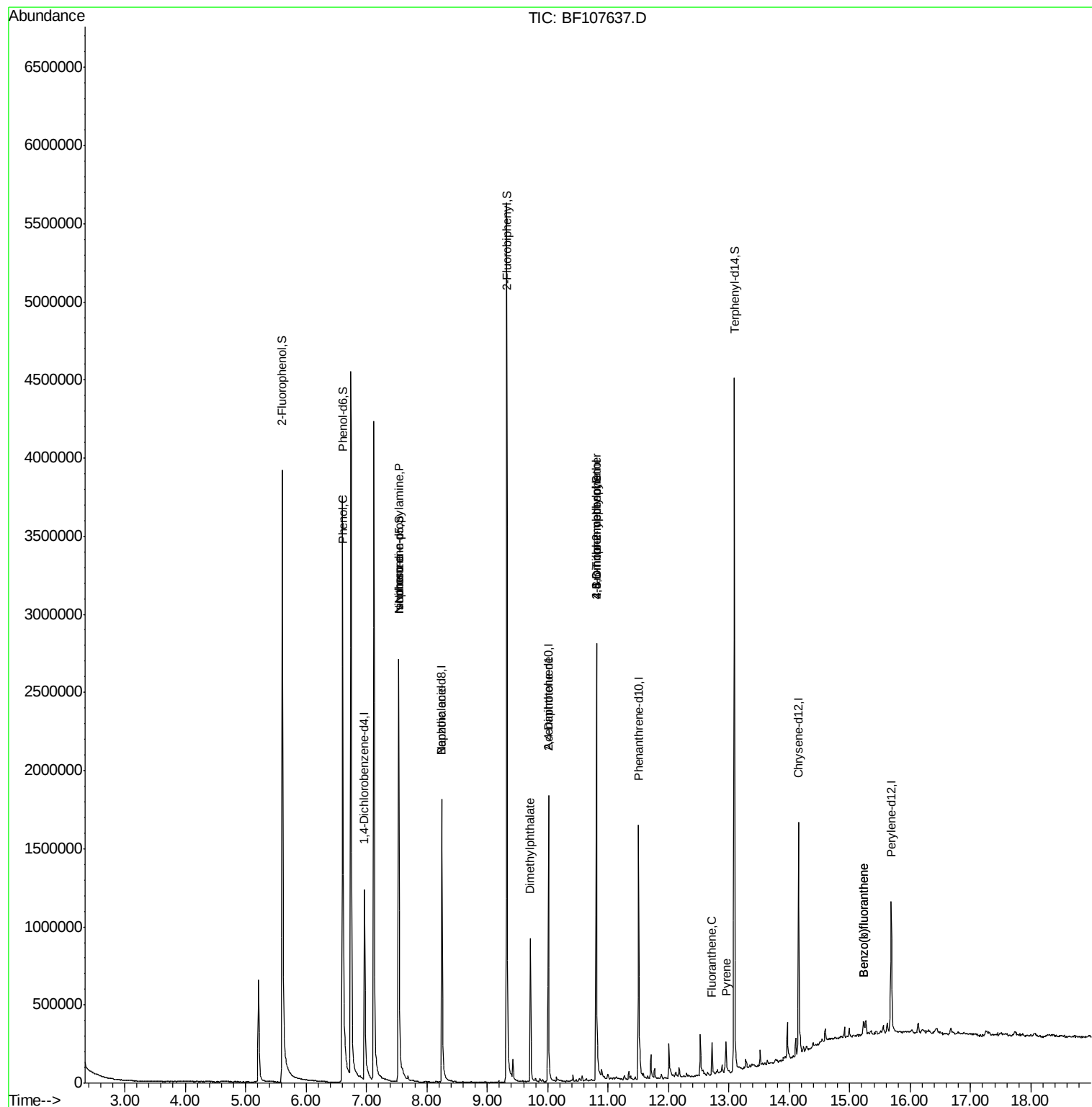
Target Compounds				Qvalue		
9) Benzaldehyde	6.61	77	3683	Below Cal	#	1
10) Phenol	6.62	94	54890	2.362 ng	#	29
19) n-Nitroso-di-n-propylamine	7.54	70	156711	12.278 ng	#	78
25) Isophorone	7.54	82	1174817	37.101 ng	#	64
32) Benzoic acid	8.25	122	114	7.910 ng	#	1
49) Dimethylphthalate	9.72	163	423457	13.585 ng		98
56) 2,4-Dinitrotoluene	10.01	165	51534	6.898 ng	#	23
64) 4,6-Dinitro-2-methylphenol	10.81	198	670	8.837 ng	#	1
66) 4-Bromophenyl-phenylether	10.81	248	25769	3.017 ng	#	1
73) Di-n-butylphthalate	12.05	149	7903	Below Cal	#	90
74) Fluoranthene	12.72	202	100826	2.657 ng		95
77) Pyrene	12.95	202	96042	2.657 ng		95
81) 3,3'-Dichlorobenzidine	14.11	252	659	Below Cal	#	59
87) Benzo(b)fluoranthene	15.23	252	67372	2.675 ng	#	92
88) Benzo(k)fluoranthene	15.23	252	67372	2.730 ng	#	95

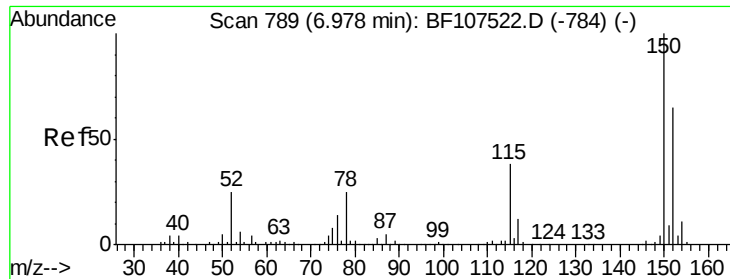
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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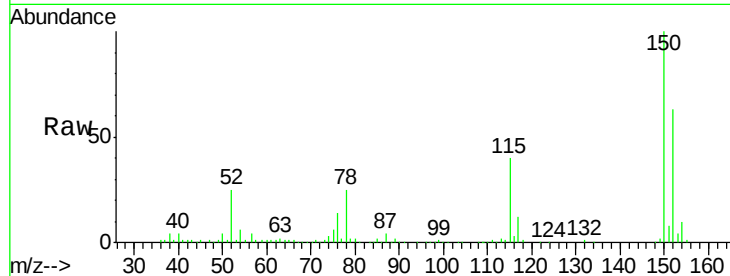


#1

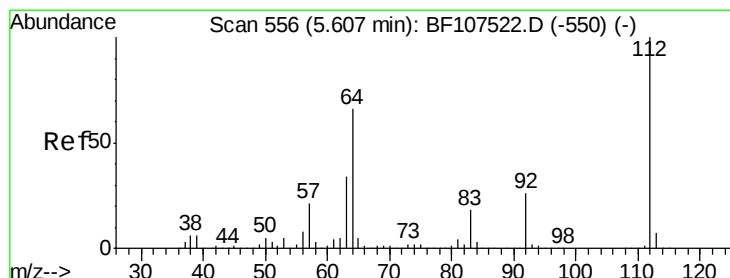
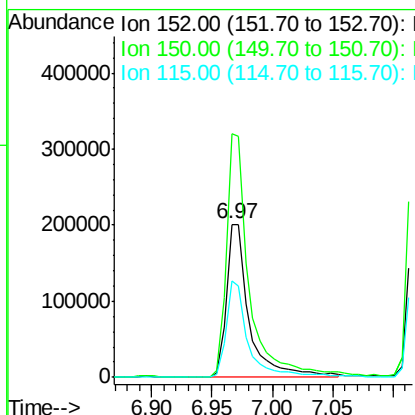
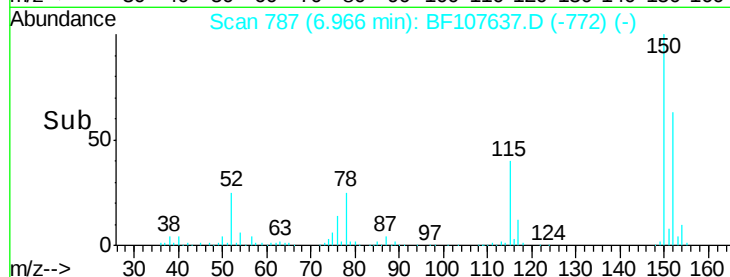
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF107637.D
Acq: 24 Jul 2018 23:28

Instrument :
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ClientSampleId :
PLANTER-DOC-7

Tgt Ion:152 Resp: 264562
Ion Ratio Lower Upper
152 100
150 159.2 124.6 186.8
115 63.1 50.1 75.1



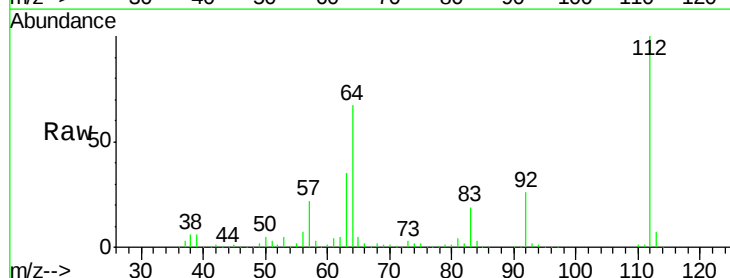
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



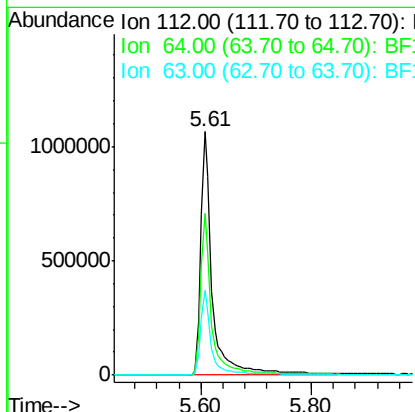
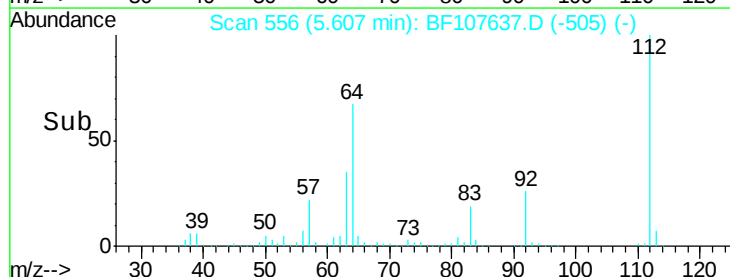
#5

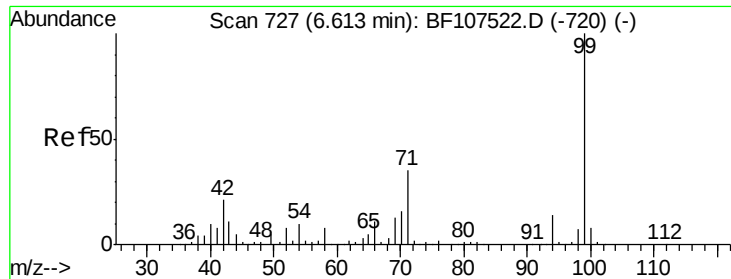
2-Fluorophenol
Concen: 95.747 ng
RT: 5.61 min Scan# 556
Delta R.T. 0.00 min
Lab File: BF107637.D
Acq: 24 Jul 2018 23:28

Tgt Ion:112 Resp: 1575507
Ion Ratio Lower Upper
112 100
64 66.5 47.9 71.9
63 34.7 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: 97.793 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF107637.D

Acq: 24 Jul 2018 23:28

Instrument :

BNA_F

ClientSampleId :

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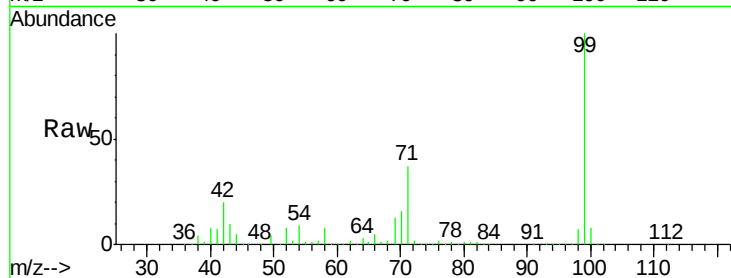
Tgt Ion: 99 Resp: 1932180

Ion Ratio Lower Upper

99 100

42 19.6 14.5 21.7

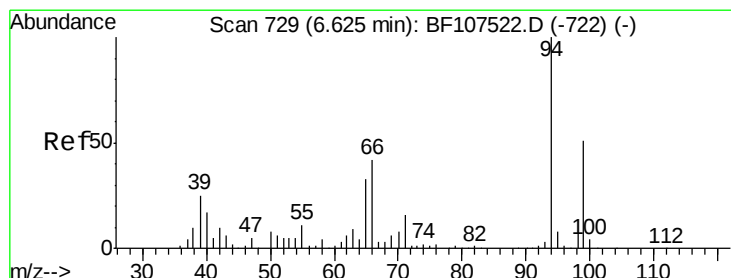
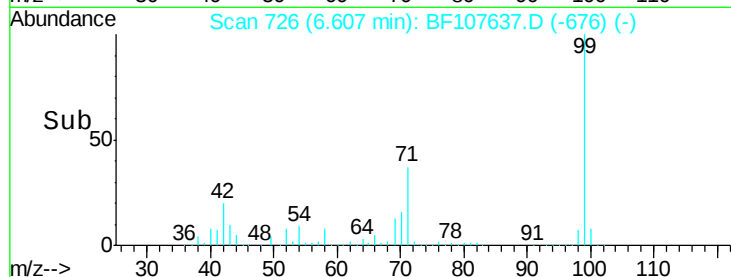
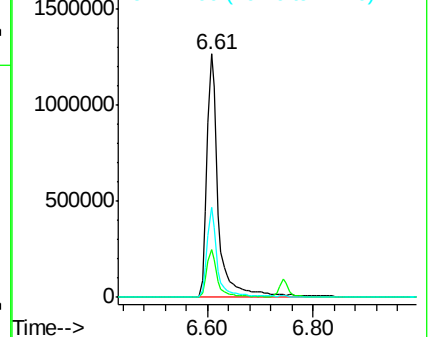
71 36.8 25.4 38.0



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



#10

Phenol

Concen: 2.362 ng

RT: 6.62 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF107637.D

Acq: 24 Jul 2018 23:28

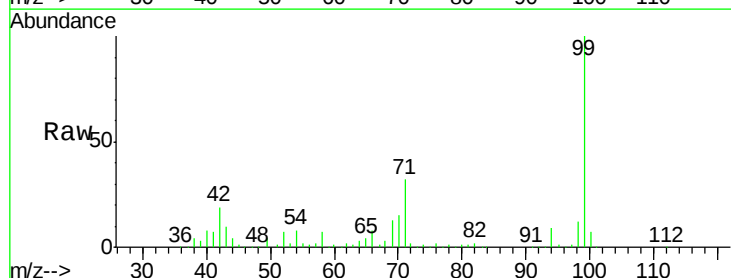
Tgt Ion: 94 Resp: 54890

Ion Ratio Lower Upper

94 100

65 41.1 7.9 47.9

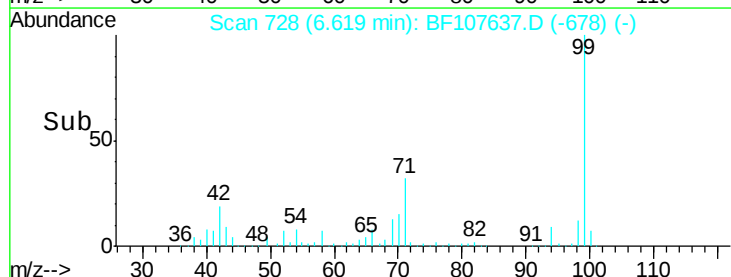
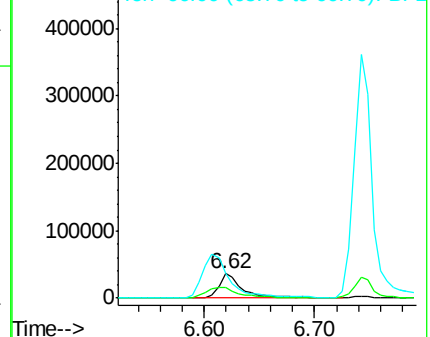
66 98.6 16.2 56.2#

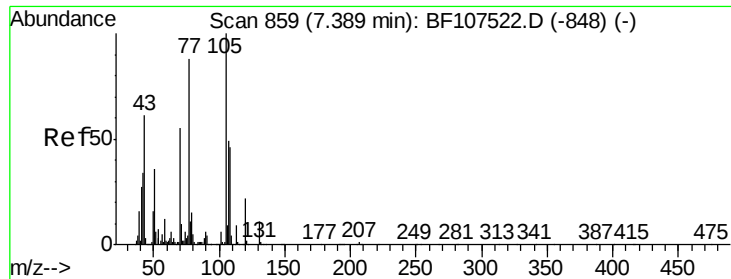


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

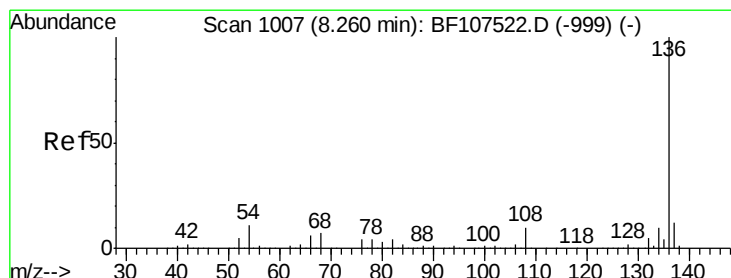
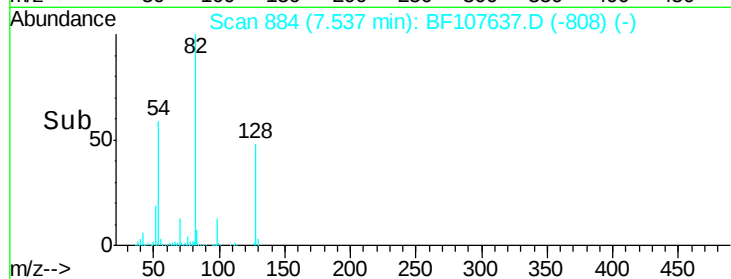
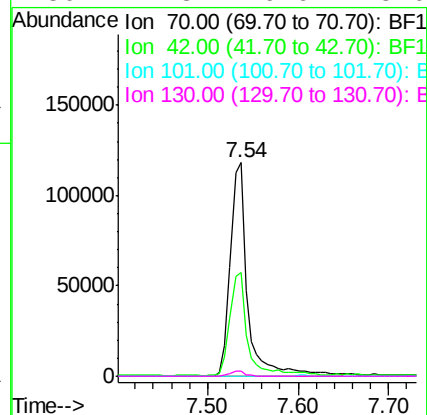
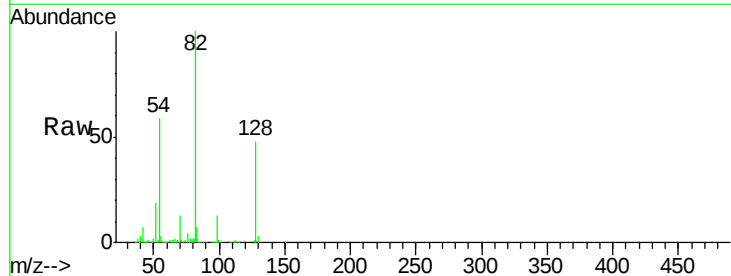




#19
n-Nitroso-di-n-propylamine
Concen: 12.278 ng
RT: 7.54 min Scan# 884
Delta R.T. 0.15 min
Lab File: BF107637.D
Acq: 24 Jul 2018 23:28

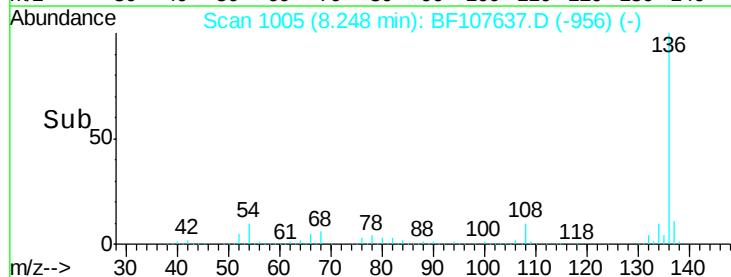
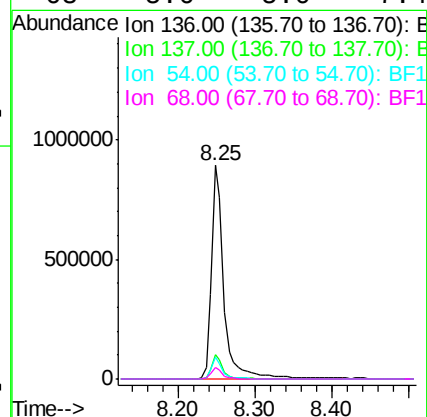
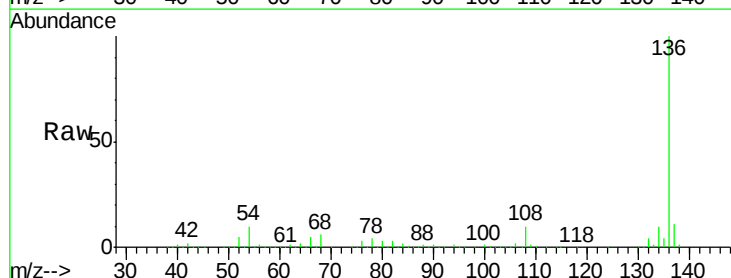
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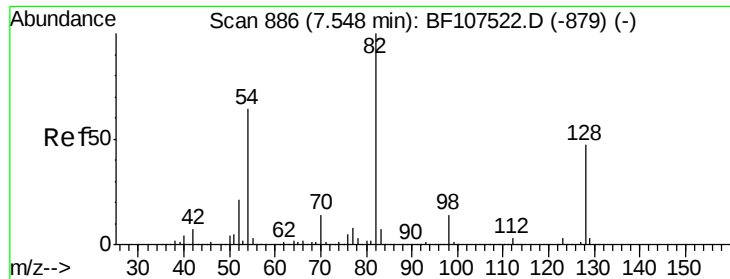
Tgt Ion: 70 Resp: 156711
Ion Ratio Lower Upper
70 100
42 48.5 47.5 71.3
101 0.0 7.4 11.2#
130 2.3 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF107637.D
Acq: 24 Jul 2018 23:28

Tgt Ion: 136 Resp: 1000874
Ion Ratio Lower Upper
136 100
137 11.3 8.9 13.3
54 10.0 6.6 9.8#
68 5.6 5.0 7.4

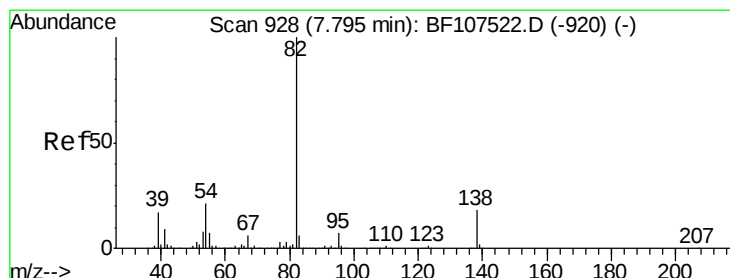
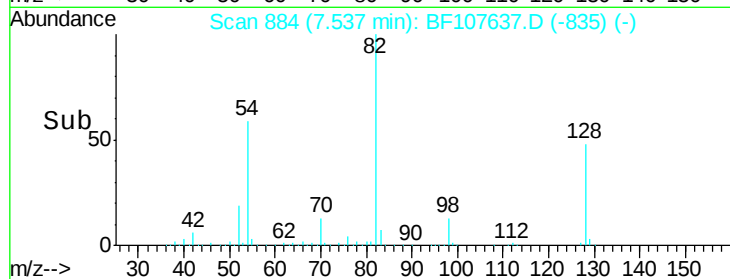
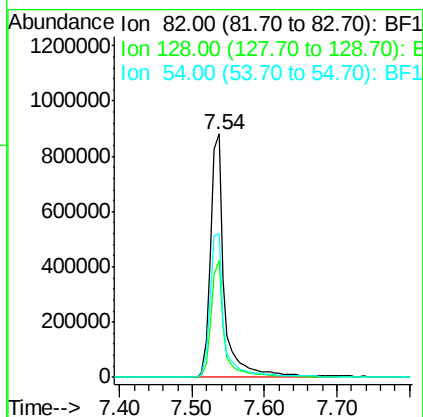
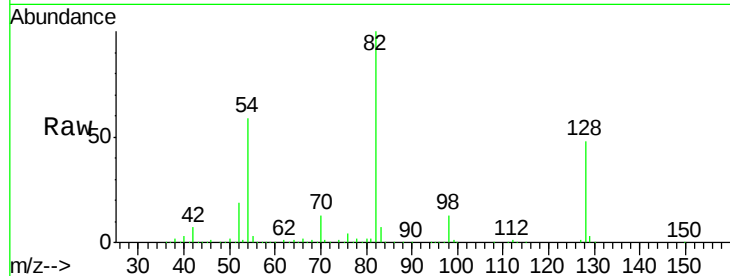




#23
 Nitrobenzene-d5
 Concen: 79.217 ng
 RT: 7.54 min Scan# 884
 Delta R.T. -0.01 min
 Lab File: BF107637.D
 Acq: 24 Jul 2018 23:28

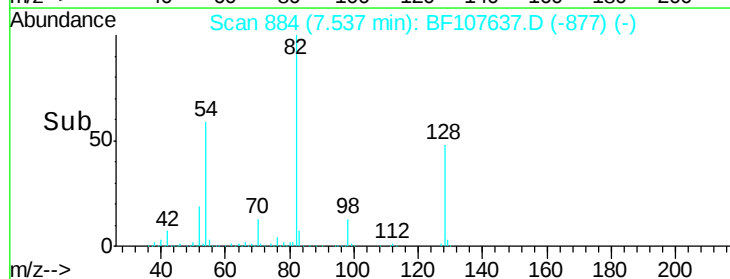
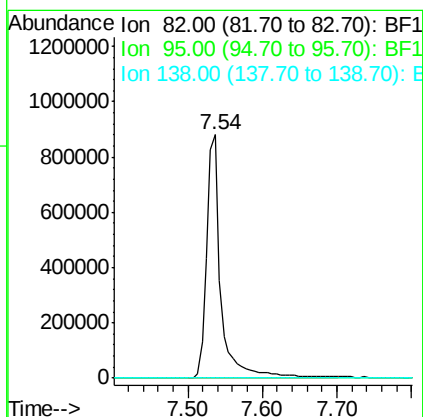
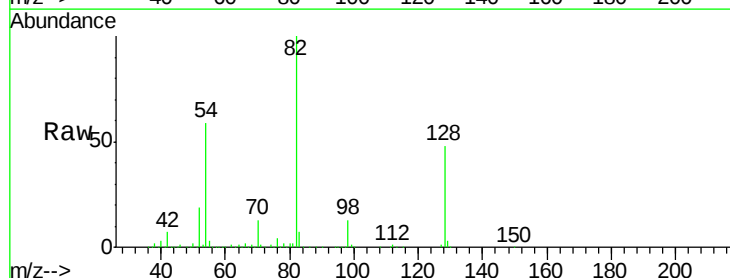
Instrument :
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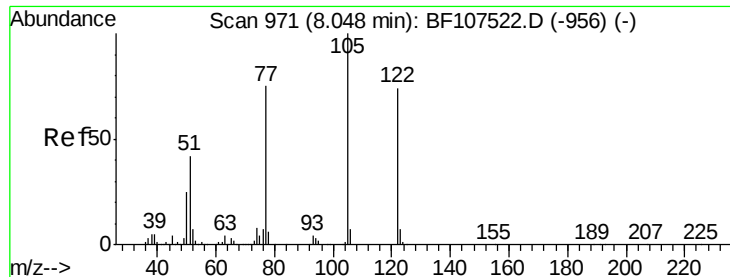
Tgt Ion: 82 Resp: 1174825
 Ion Ratio Lower Upper
 82 100
 128 48.3 36.1 54.1
 54 59.1 41.4 62.2



#25
 Isophorone
 Concen: 37.101 ng
 RT: 7.54 min Scan# 884
 Delta R.T. -0.26 min
 Lab File: BF107637.D
 Acq: 24 Jul 2018 23:28

Tgt Ion: 82 Resp: 1174817
 Ion Ratio Lower Upper
 82 100
 95 0.1 5.2 7.8#
 138 0.0 14.9 22.3#

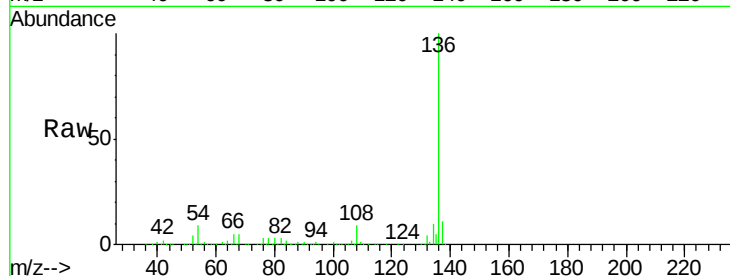




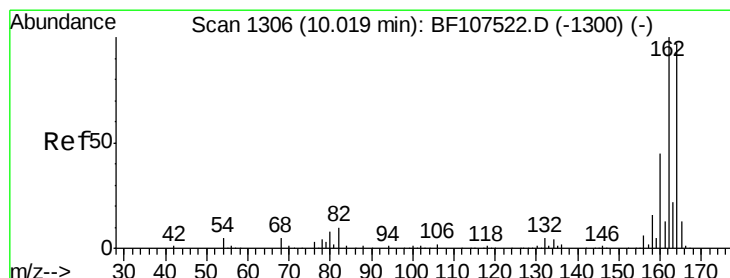
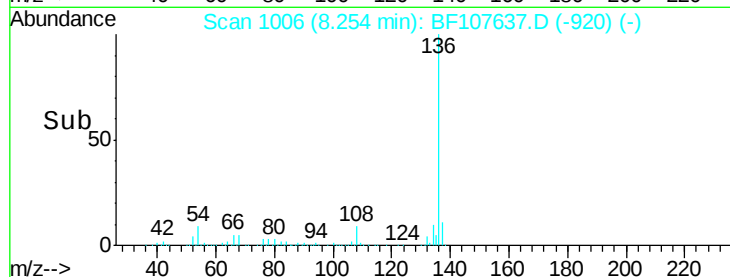
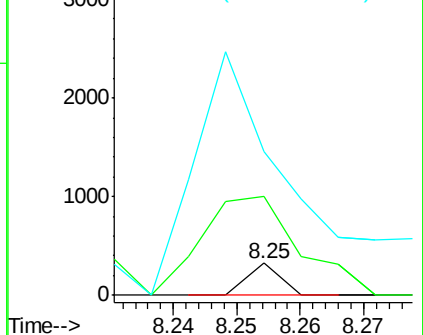
#32
Benzoic acid
Concen: 7.910 ng
RT: 8.25 min Scan# 1006
Delta R.T. 0.21 min
Lab File: BF107637.D
Acq: 24 Jul 2018 23:28

Instrument :
BNA_F
ClientSampleId :
PLANTER-DOC-7

Tgt Ion:122 Resp: 114
Ion Ratio Lower Upper
122 100
105 309.0 101.1 141.1#
77 450.6 70.7 110.7#

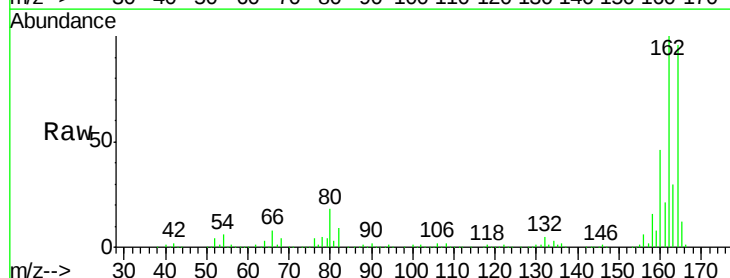


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

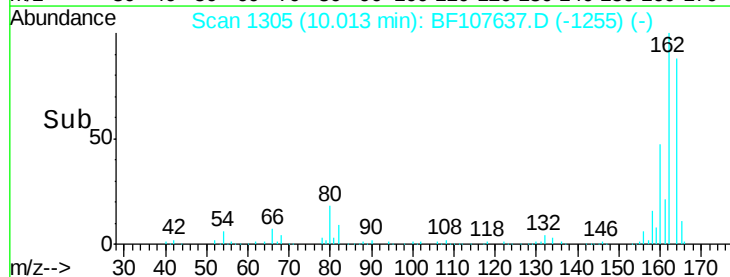
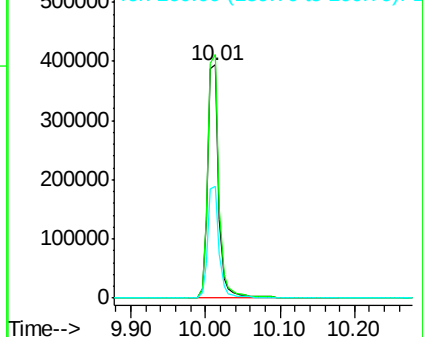


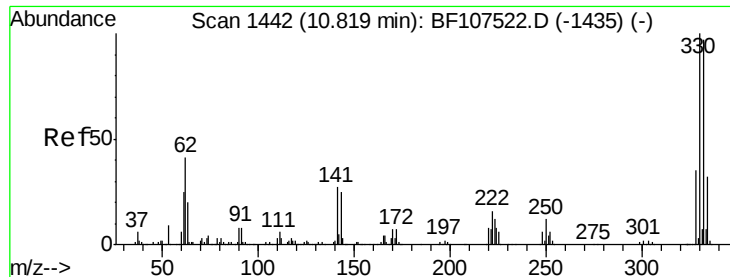
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.01 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF107637.D
Acq: 24 Jul 2018 23:28

Tgt Ion:164 Resp: 413606
Ion Ratio Lower Upper
164 100
162 104.3 86.1 129.1
160 48.1 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

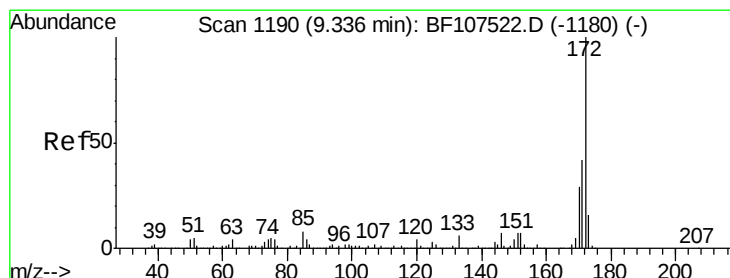
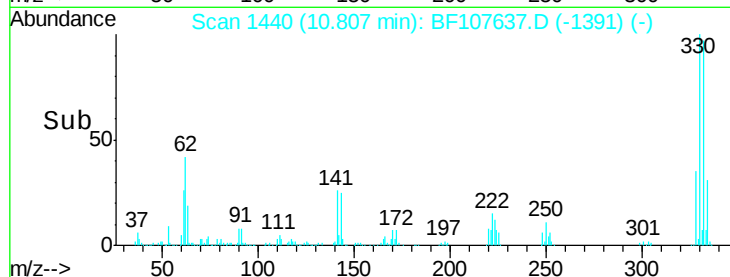
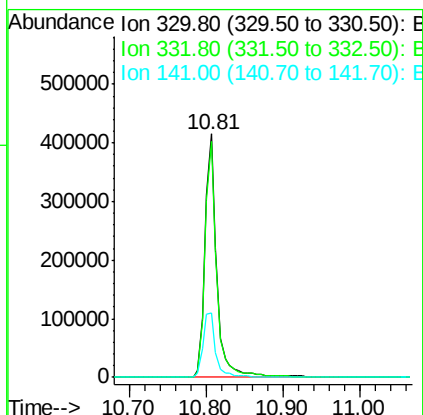
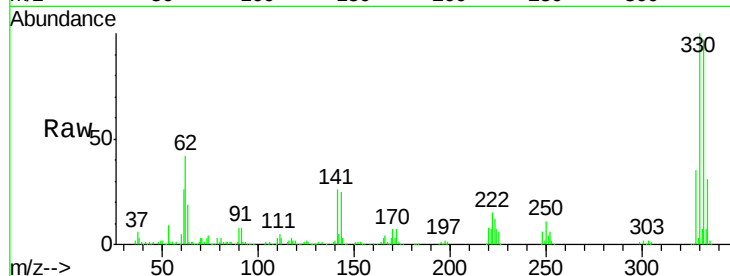




#41
 2,4,6-Tribromophenol
 Concen: 95.406 ng
 RT: 10.81 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF107637.D
 Acq: 24 Jul 2018 23:28

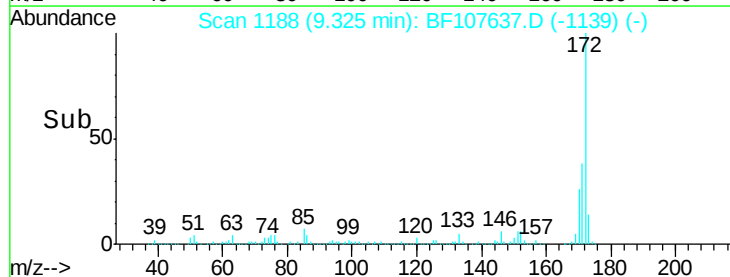
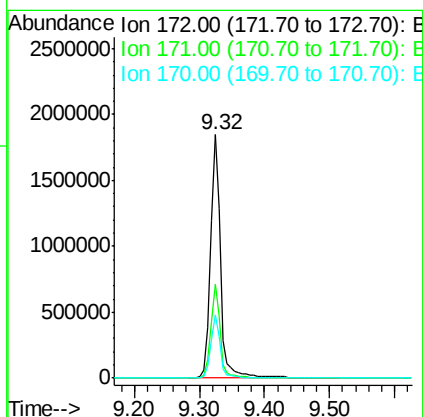
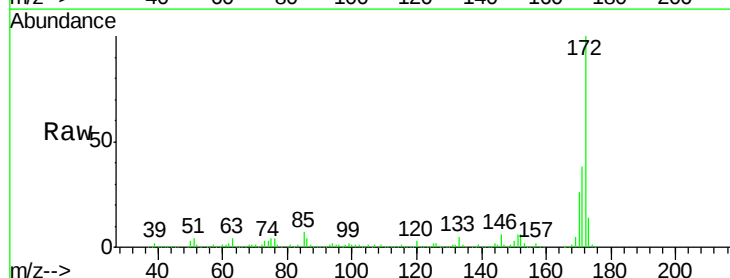
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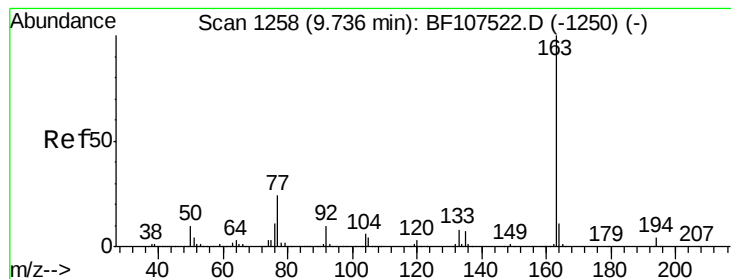
Tgt Ion:330 Resp: 448729
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.0 115.6
 141 28.6 29.9 44.9#



#44
 2-Fluorobiphenyl
 Concen: 81.187 ng
 RT: 9.32 min Scan# 1188
 Delta R.T. -0.01 min
 Lab File: BF107637.D
 Acq: 24 Jul 2018 23:28

Tgt Ion:172 Resp: 1984996
 Ion Ratio Lower Upper
 172 100
 171 38.3 29.7 44.5
 170 26.0 19.6 29.4





#49

Dimethylphthalate

Concen: 13.585 ng

RT: 9.72 min Scan# 1255

Delta R.T. -0.02 min

Lab File: BF107637.D

Acq: 24 Jul 2018 23:28

Instrument :

BNA_F

ClientSampleId :

PLANTER-DOC-7

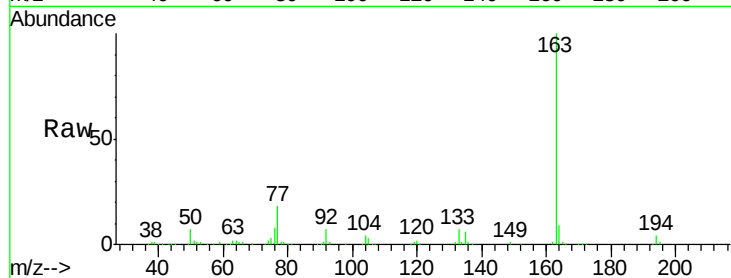
Tgt Ion:163 Resp: 423457

Ion Ratio Lower Upper

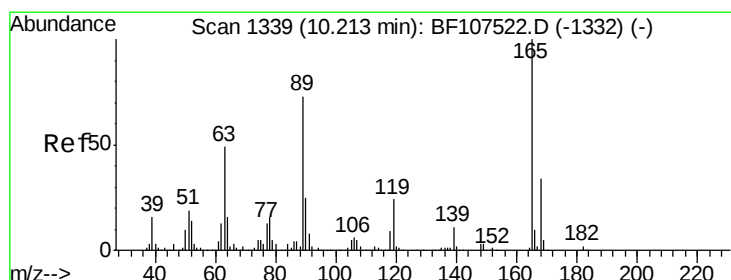
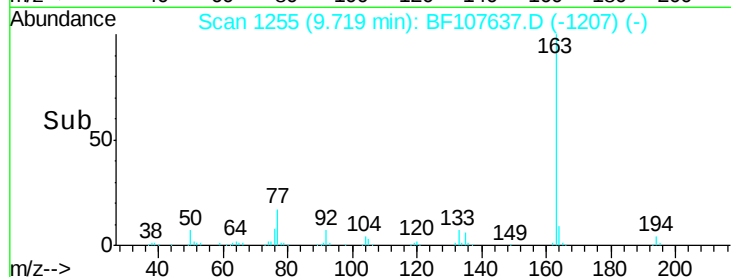
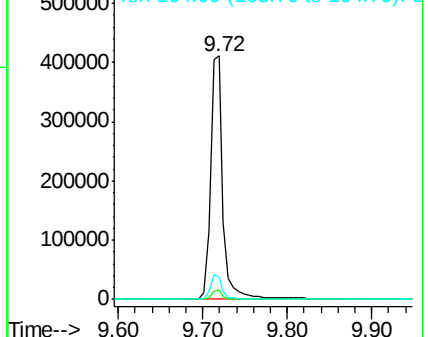
163 100

194 3.7 2.7 4.1

164 9.1 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 6.898 ng

RT: 10.01 min Scan# 1304

Delta R.T. -0.21 min

Lab File: BF107637.D

Acq: 24 Jul 2018 23:28

Tgt Ion:165 Resp: 51534

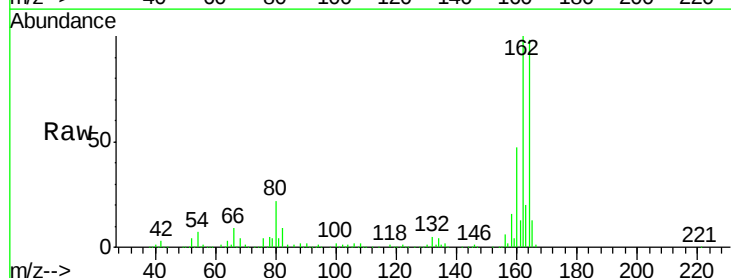
Ion Ratio Lower Upper

165 100

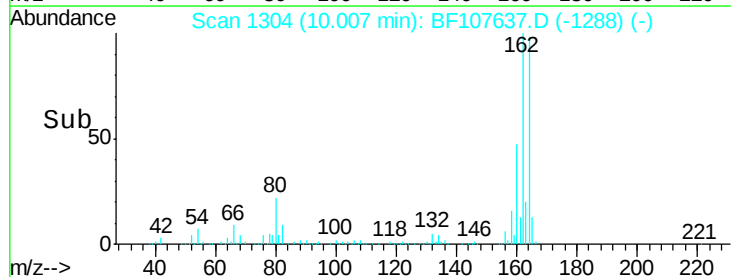
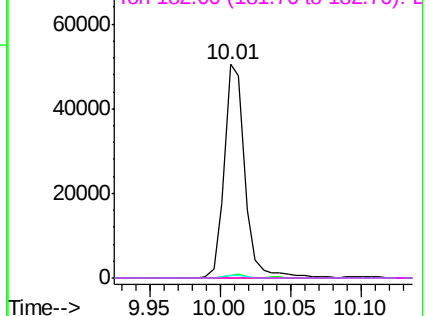
63 1.4 36.4 54.6#

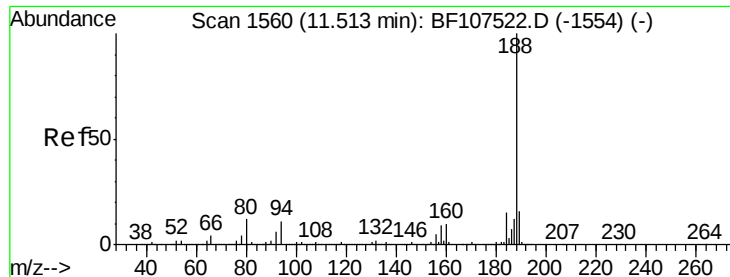
89 1.2 57.8 86.6#

182 0.0 1.6 2.4#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.51 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF107637.D

Acq: 24 Jul 2018 23:28

Instrument :

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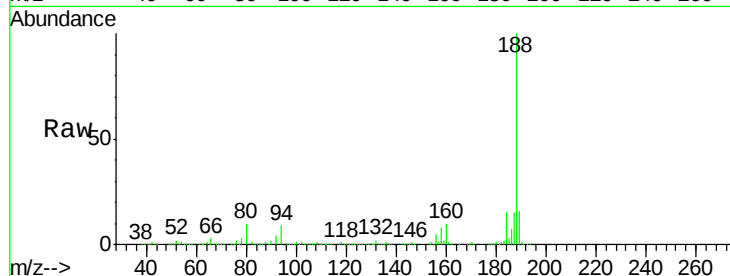
Tgt Ion:188 Resp: 725584

Ion Ratio Lower Upper

188 100

94 8.6 8.5 12.7

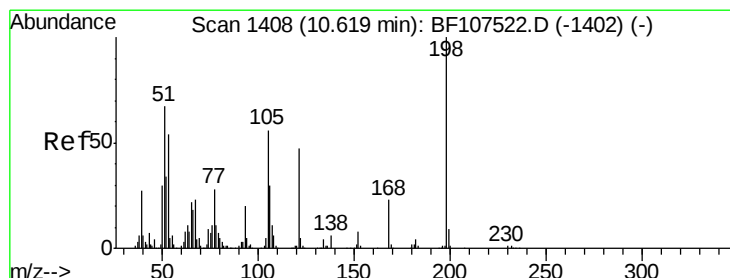
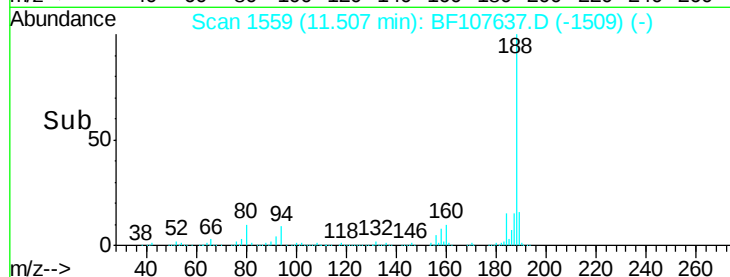
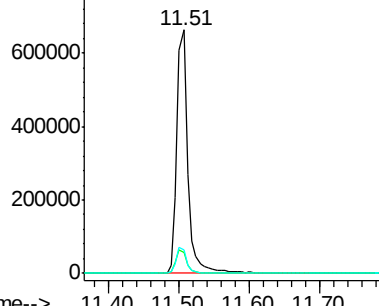
80 9.7 9.2 13.8



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



#64

4,6-Dinitro-2-methylphenol

Concen: 8.837 ng

RT: 10.81 min Scan# 1440

Delta R.T. 0.19 min

Lab File: BF107637.D

Acq: 24 Jul 2018 23:28

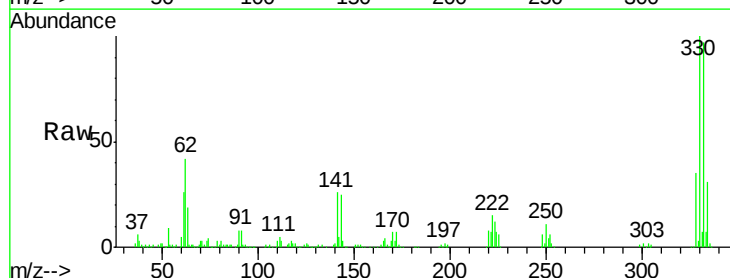
Tgt Ion:198 Resp: 670

Ion Ratio Lower Upper

198 100

51 162.4 37.7 77.7#

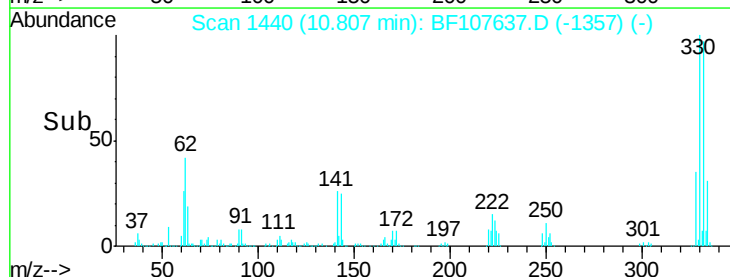
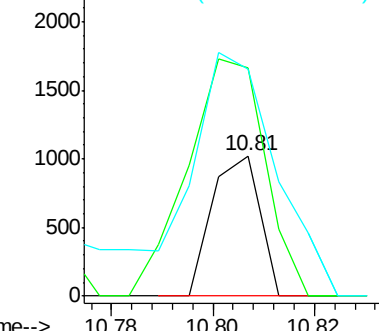
105 161.4 36.3 76.3#

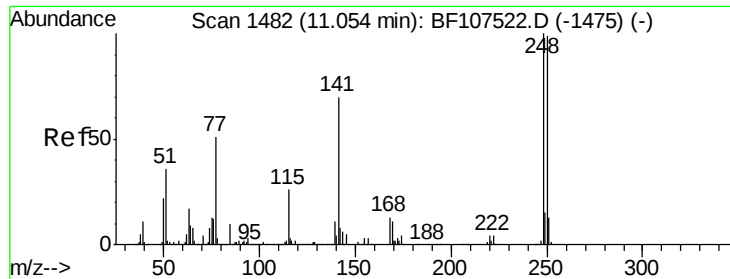


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

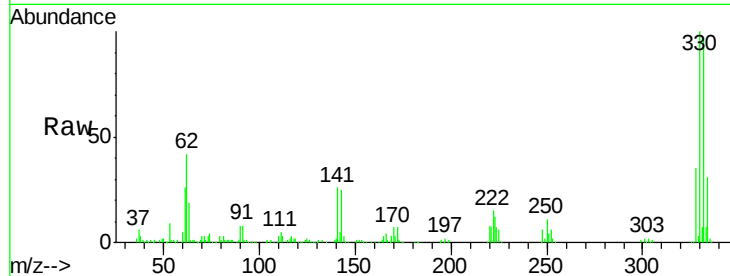




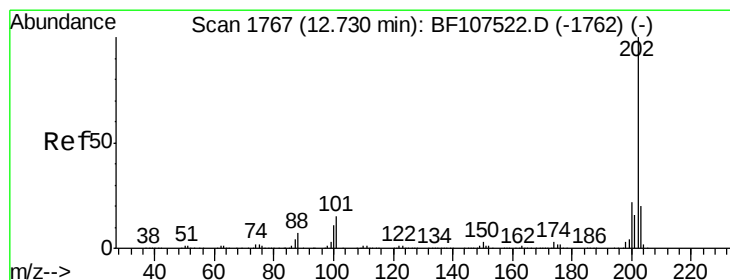
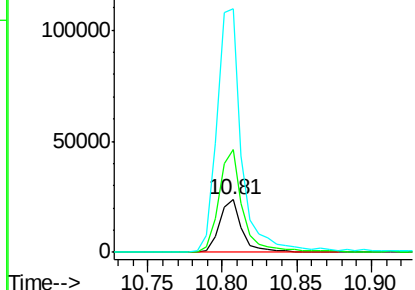
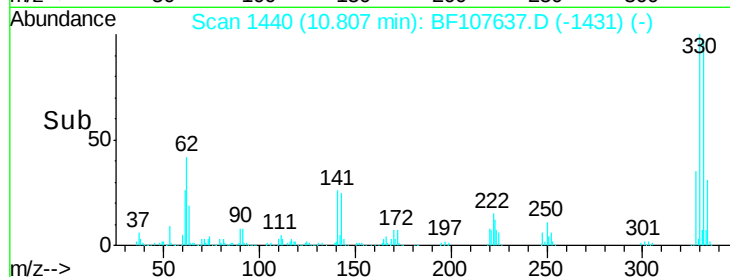
#66
 4-Bromophenyl-phenylether
 Concen: 3.017 ng
 RT: 10.81 min Scan# 1440
 Delta R.T. -0.25 min
 Lab File: BF107637.D
 Acq: 24 Jul 2018 23:28

Instrument :
 BNA_F
 ClientSampleId :
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Tgt Ion:248 Resp: 25769
 Ion Ratio Lower Upper
 248 100
 250 196.6 76.9 115.3#
 141 464.8 74.4 111.6#

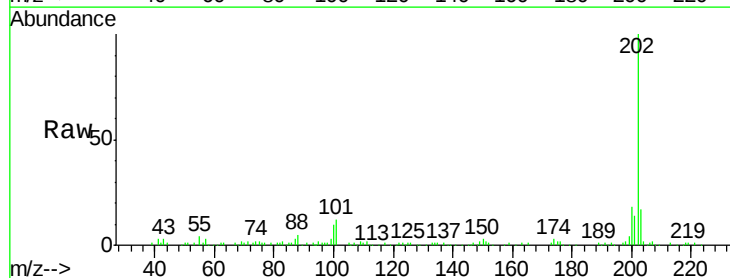


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

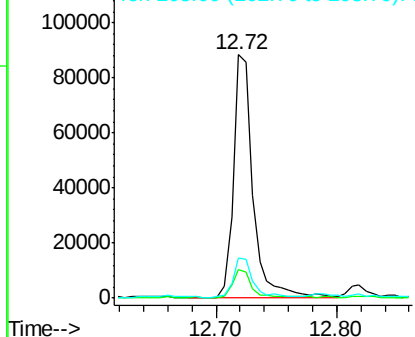
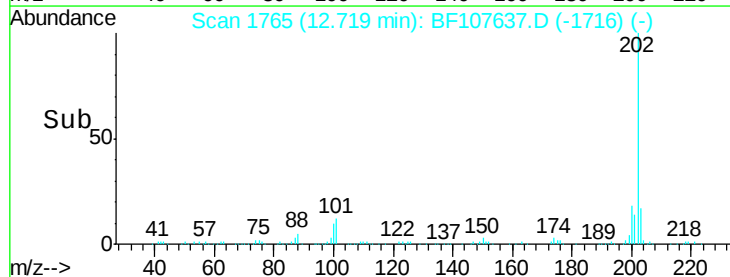


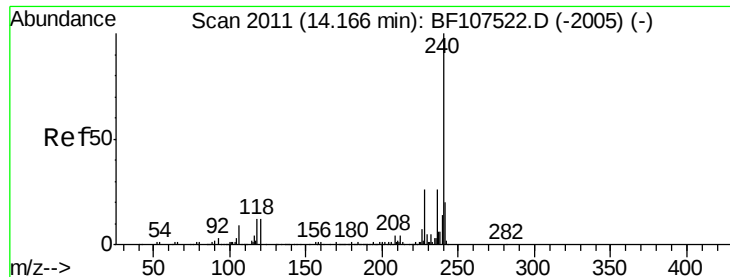
#74
 Fluoranthene
 Concen: 2.657 ng
 RT: 12.72 min Scan# 1765
 Delta R.T. -0.01 min
 Lab File: BF107637.D
 Acq: 24 Jul 2018 23:28

Tgt Ion:202 Resp: 100826
 Ion Ratio Lower Upper
 202 100
 101 11.5 0.0 34.1
 203 16.6 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: 14.15 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF107637.D

Acq: 24 Jul 2018 23:28

Instrument :

BNA_F

ClientSampleId :

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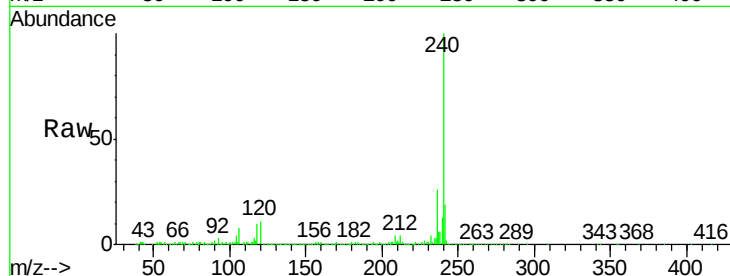
Tgt Ion:240 Resp: 528535

Ion Ratio Lower Upper

240 100

120 11.0 9.5 14.3

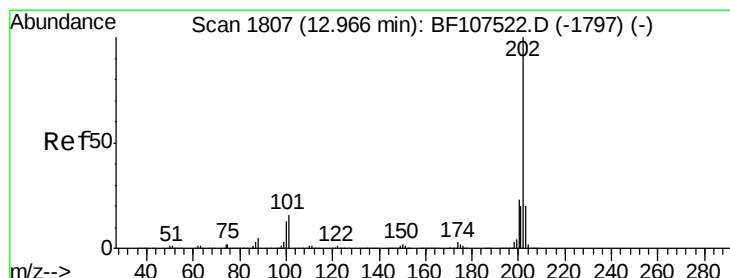
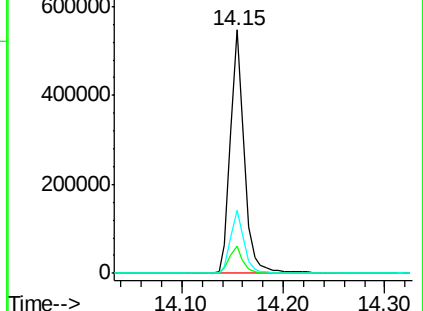
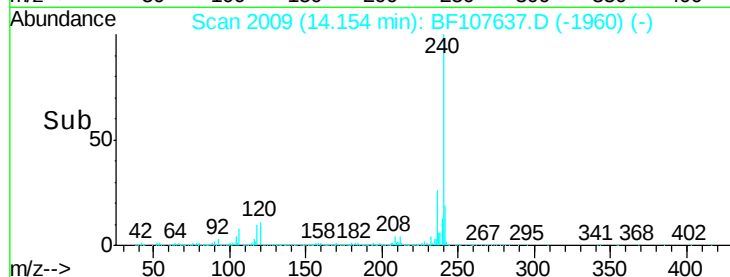
236 25.8 20.7 31.1



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

Pyrene

Concen: 2.657 ng

RT: 12.95 min Scan# 1805

Delta R.T. -0.01 min

Lab File: BF107637.D

Acq: 24 Jul 2018 23:28

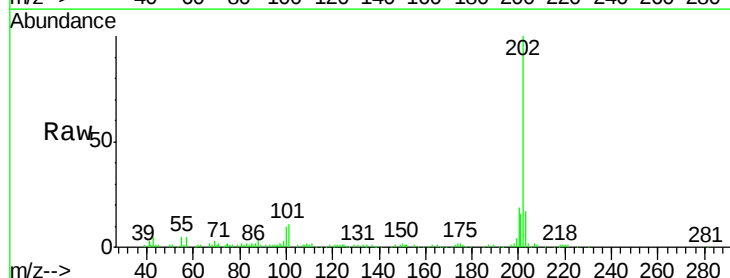
Tgt Ion:202 Resp: 96042

Ion Ratio Lower Upper

202 100

200 18.6 17.4 26.2

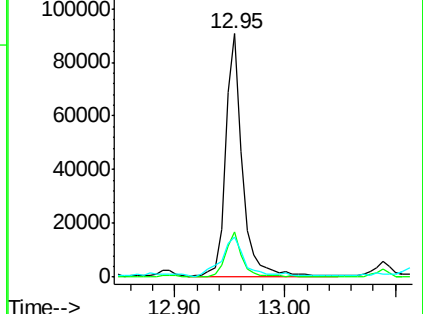
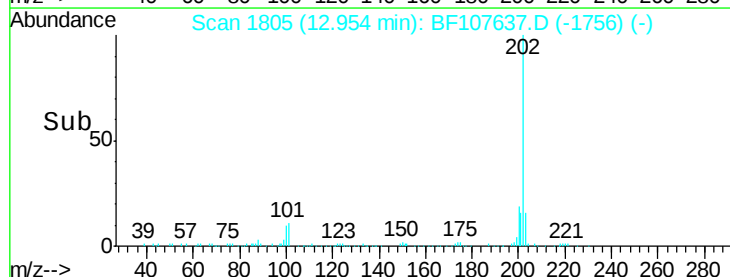
203 16.5 14.3 21.5

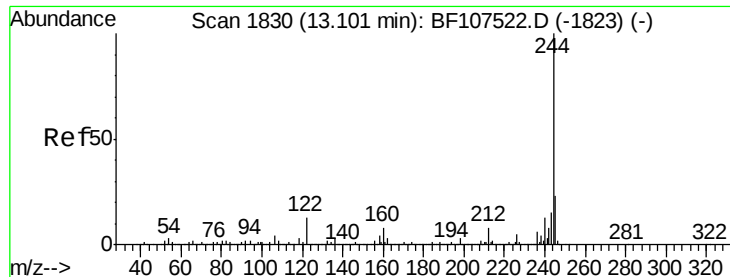


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 80.699 ng

RT: 13.09 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF107637.D

Acq: 24 Jul 2018 23:28

Instrument :

BNA_F

ClientSampleId :

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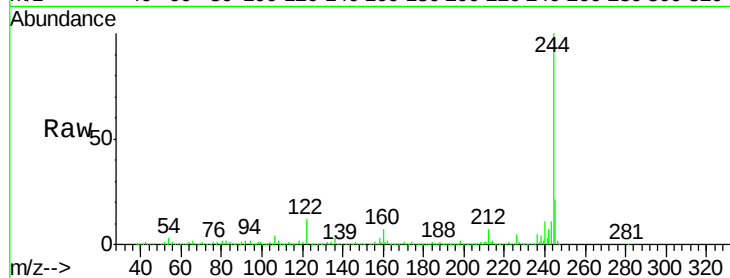
Tgt Ion:244 Resp: 1666041

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

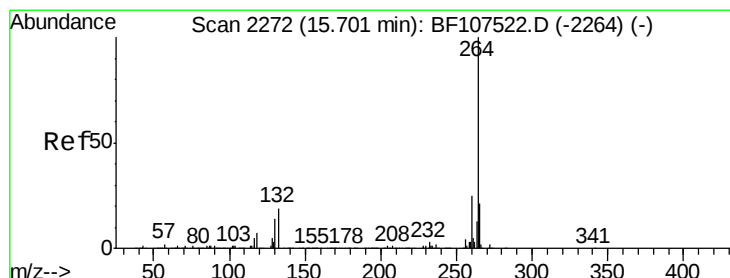
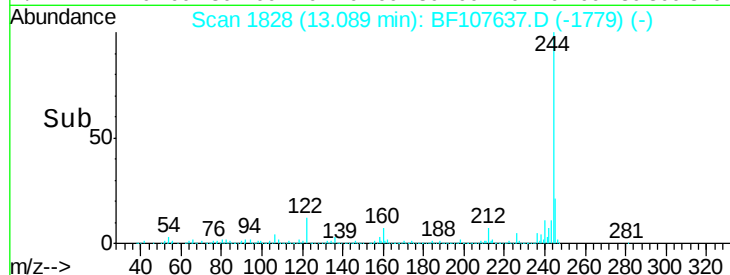
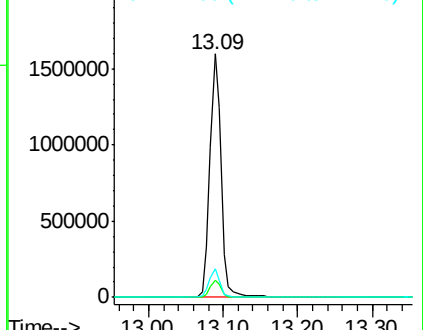
122 11.9 11.0 16.4



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.69 min Scan# 2270

Delta R.T. -0.01 min

Lab File: BF107637.D

Acq: 24 Jul 2018 23:28

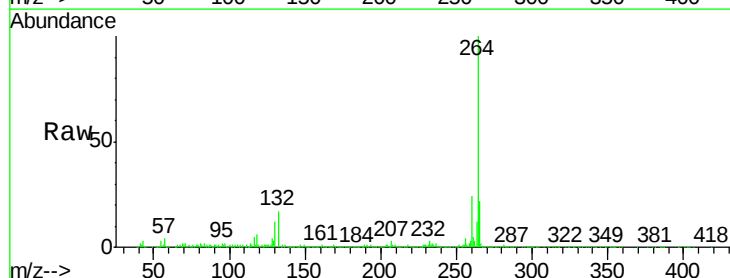
Tgt Ion:264 Resp: 460182

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

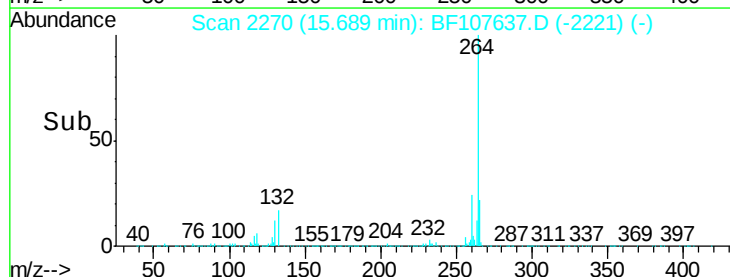
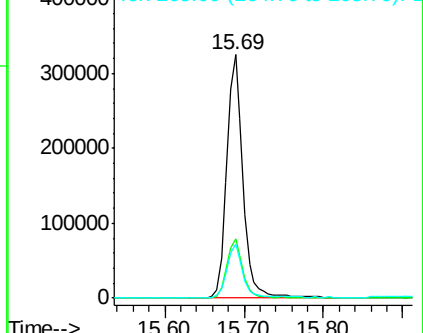
265 22.3 17.5 26.3

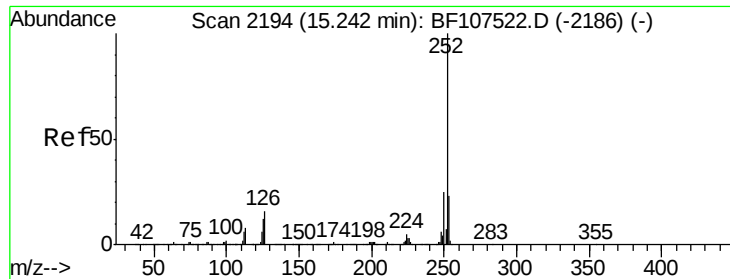


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

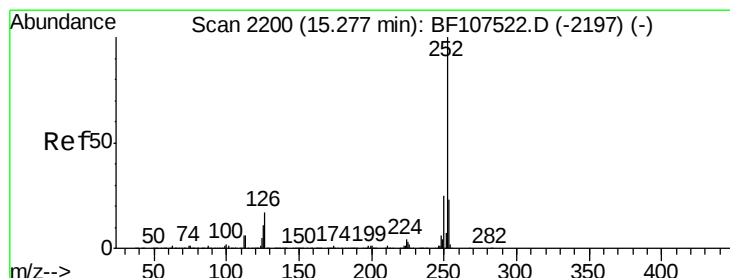
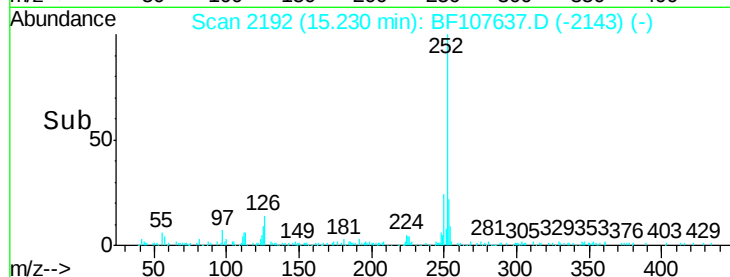
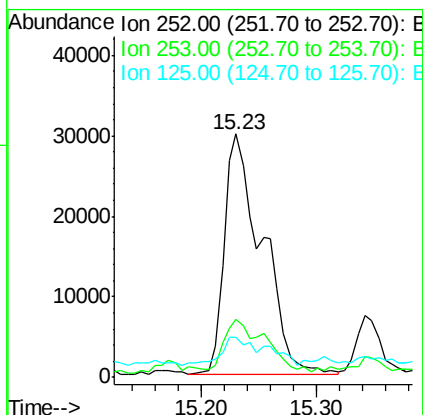
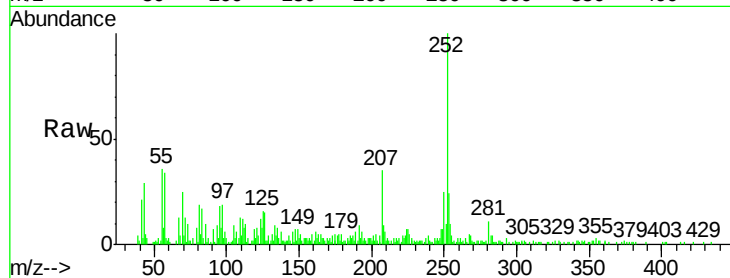




#87
Benzo(b)fluoranthene
Concen: 2.675 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.01 min
Lab File: BF107637.D
Acq: 24 Jul 2018 23:28

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.0	25.6
125	16.5	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 2.730 ng
RT: 15.23 min Scan# 2192
Delta R.T. -0.05 min
Lab File: BF107637.D
Acq: 24 Jul 2018 23:28

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.9	26.9
125	16.5	10.2	15.2

