

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072418\
 Data File : BF107636.D
 Acq On : 24 Jul 2018 23:01
 Operator : JU/SJ
 Sample : 4011-04
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 20180415-COMPOSITE-1

Quant Time: Jul 25 01:07:01 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	224397	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	852520	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	336935	20.00	ng	-0.01
63) Phenanthrene-d10	11.51	188	590832	20.00	ng	0.00
75) Chrysene-d12	14.15	240	446635	20.00	ng	-0.01
86) Perylene-d12	15.69	264	359230	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	1077321	77.19	ng	0.00
7) Phenol-d6	6.61	99	1334822	79.65	ng	0.00
23) Nitrobenzene-d5	7.53	82	789404	62.49	ng	-0.02
41) 2,4,6-Tribromophenol	10.81	330	278266	72.63	ng	-0.01
44) 2-Fluorobiphenyl	9.32	172	1391470	66.52	ng	-0.01
78) Terphenyl-d14	13.09	244	1099669	63.03	ng	-0.01

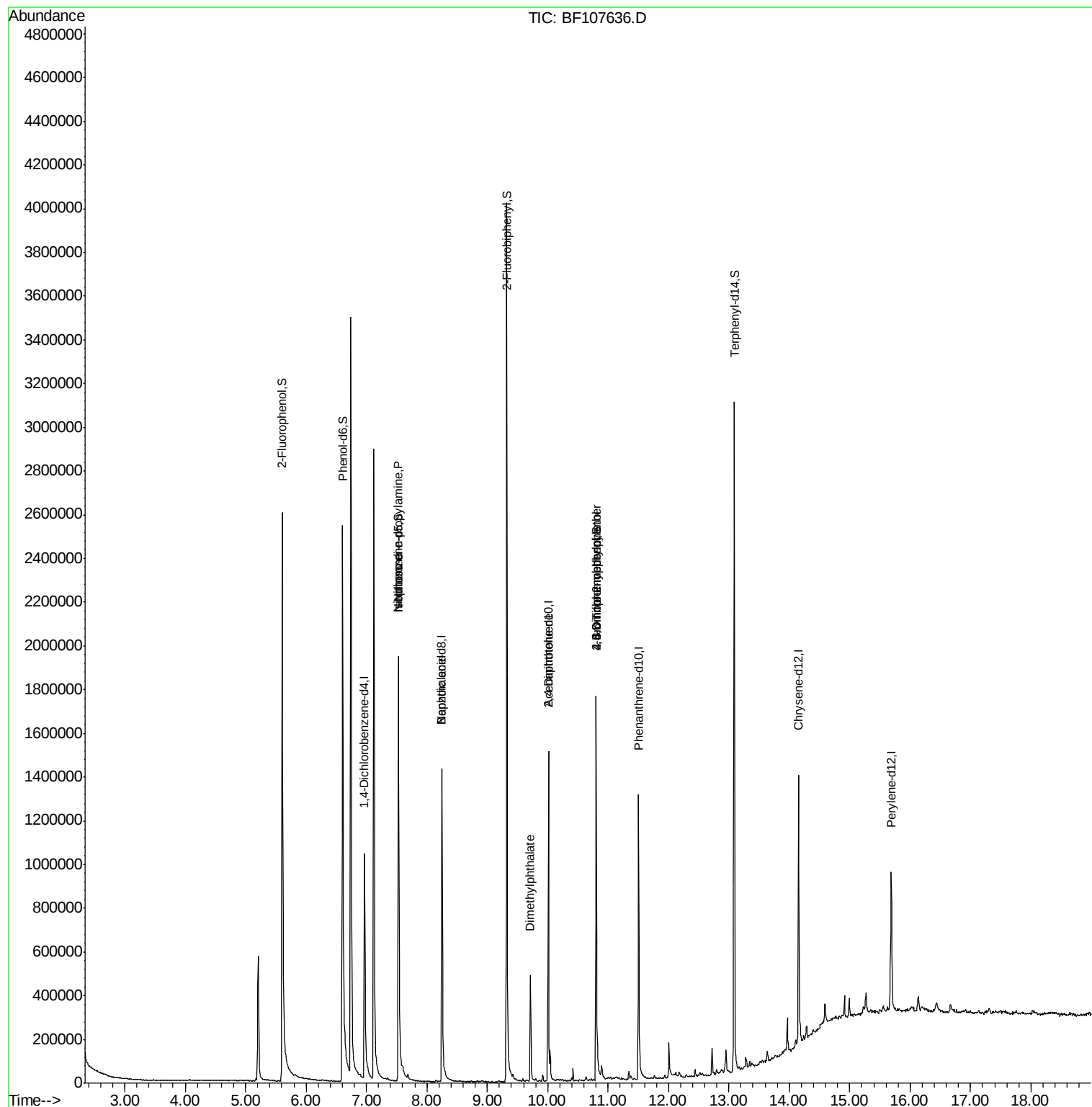
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.53	70	104510	9.653	ng	# 82
25) Isophorone	7.53	82	789400	29.267	ng	# 64
32) Benzoic acid	8.25	122	119	7.912	ng	# 1
49) Dimethylphthalate	9.72	163	224379	8.836	ng	# 98
56) 2,4-Dinitrotoluene	10.01	165	41603	6.836	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.81	198	515	8.829	ng	# 1
66) 4-Bromophenyl-phenylether	10.81	248	16408	2.359	ng	# 1
73) Di-n-butylphthalate	12.05	149	1657	Below Cal		# 78
81) 3,3'-Dichlorobenzidine	14.10	252	1518	Below Cal		# 83

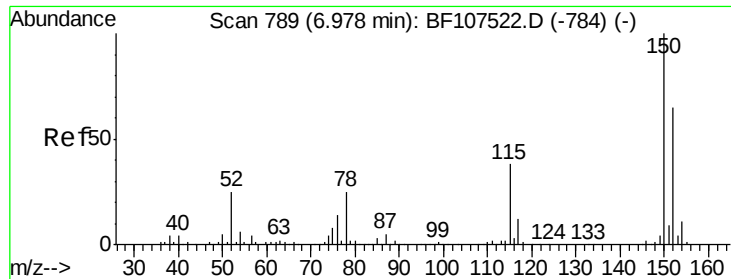
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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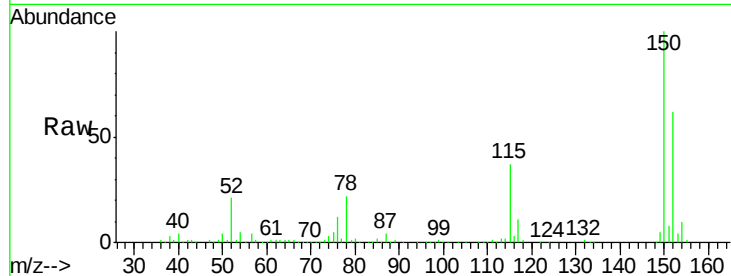




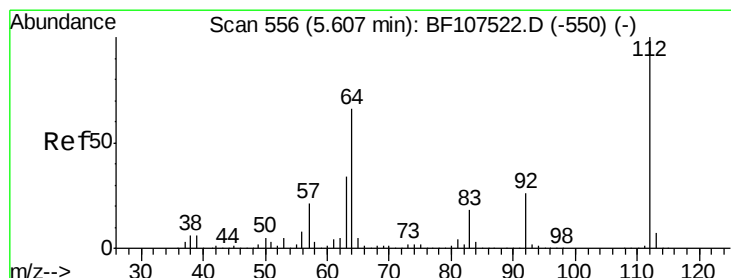
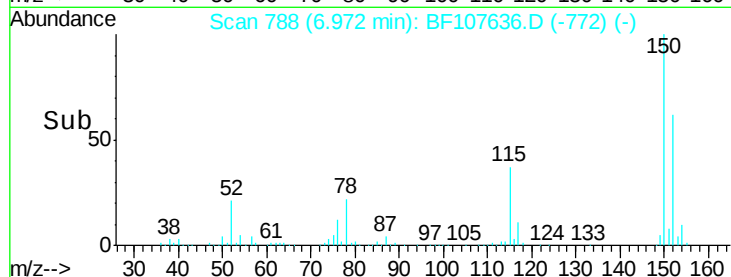
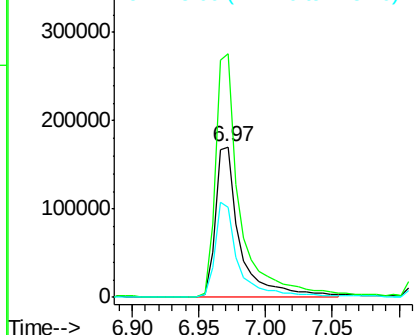
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.97 min Scan# 788
 Delta R.T. -0.01 min
 Lab File: BF107636.D
 Acq: 24 Jul 2018 23:01

Instrument :
 BNA_F
 ClientSampleId :
 20180415-COMPOSITE-1

Tgt Ion:152 Resp: 224397
 Ion Ratio Lower Upper
 152 100
 150 161.8 124.6 186.8
 115 60.0 50.1 75.1

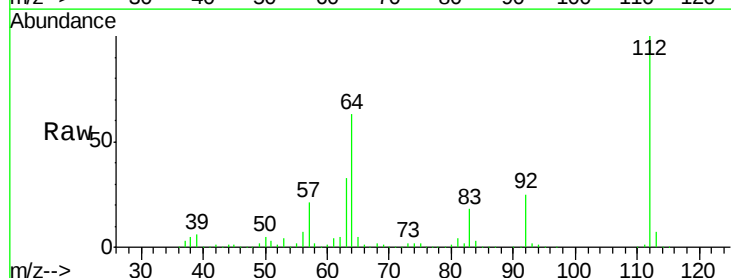


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

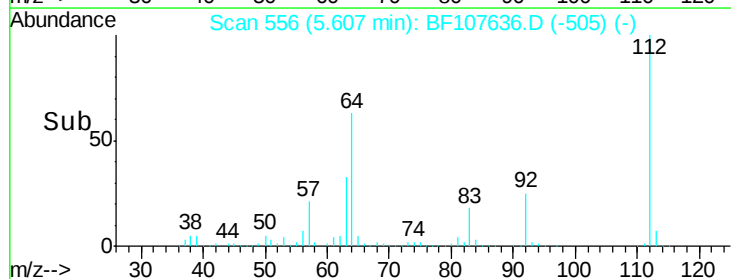
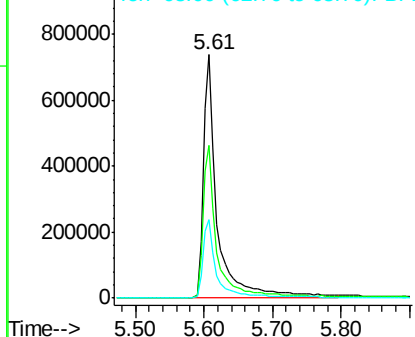


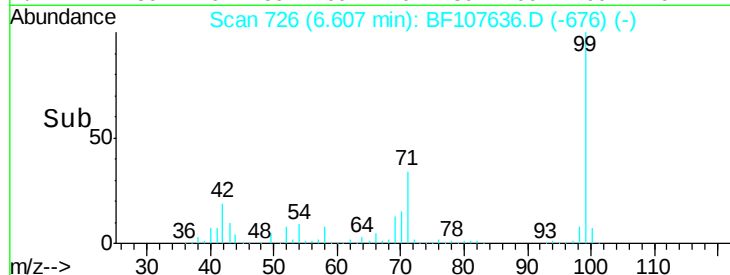
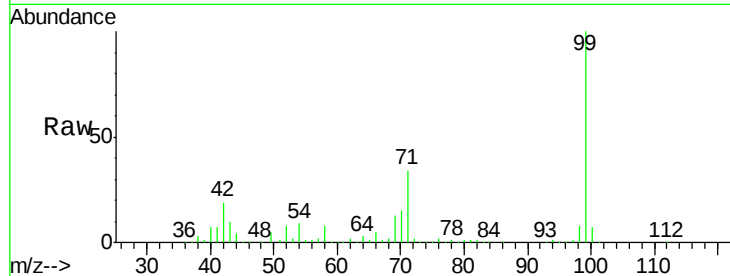
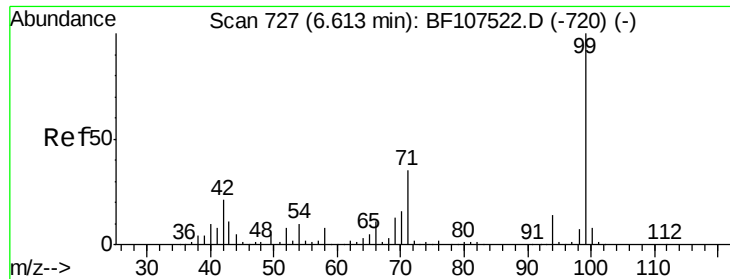
#5
 2-Fluorophenol
 Concen: 77.190 ng
 RT: 5.61 min Scan# 556
 Delta R.T. 0.00 min
 Lab File: BF107636.D
 Acq: 24 Jul 2018 23:01

Tgt Ion:112 Resp: 1077321
 Ion Ratio Lower Upper
 112 100
 64 62.6 47.9 71.9
 63 32.5 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: 79.651 ng

RT: 6.61 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF107636.D

Acq: 24 Jul 2018 23:01

Instrument :

BNA_F

ClientSampleId :

20180415-COMPOSITE-1

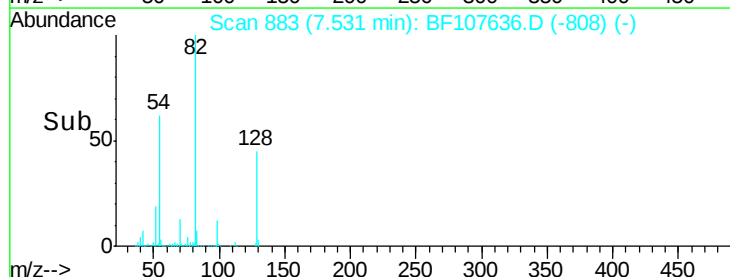
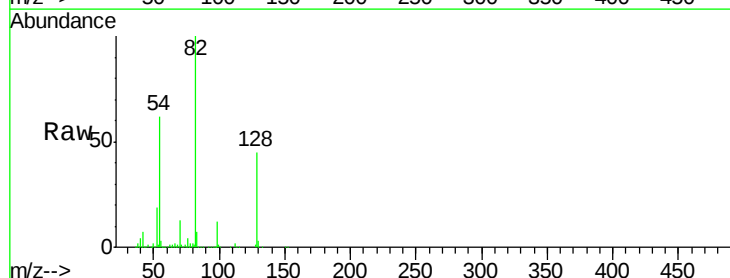
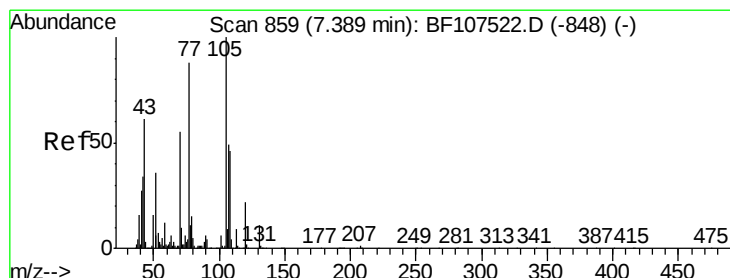
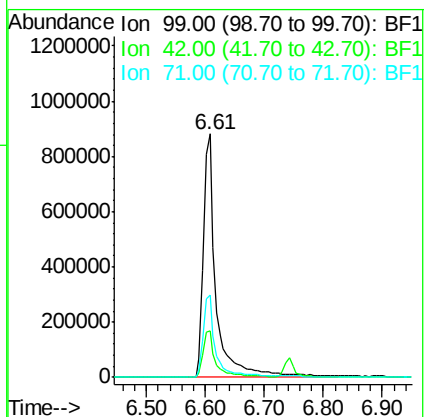
Tgt Ion: 99 Resp: 1334822

Ion Ratio Lower Upper

99 100

42 18.9 14.5 21.7

71 33.6 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 9.653 ng

RT: 7.53 min Scan# 883

Delta R.T. 0.14 min

Lab File: BF107636.D

Acq: 24 Jul 2018 23:01

Tgt Ion: 70 Resp: 104510

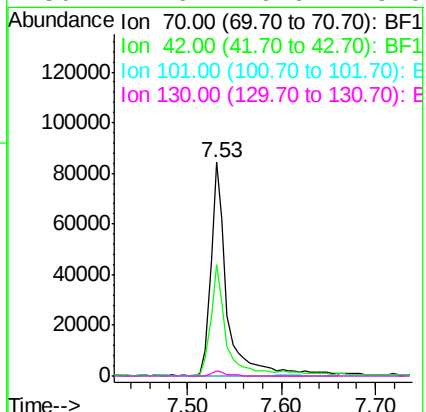
Ion Ratio Lower Upper

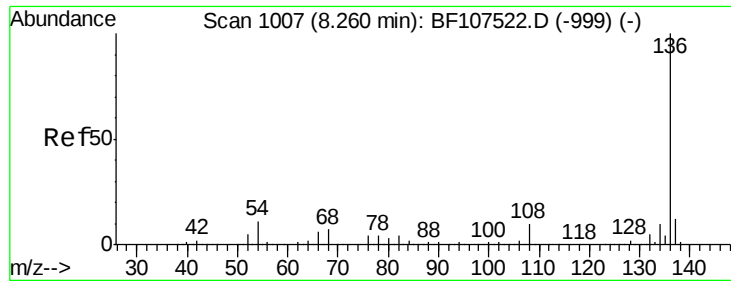
70 100

42 52.3 47.5 71.3

101 0.0 7.4 11.2#

130 2.6 16.6 25.0#

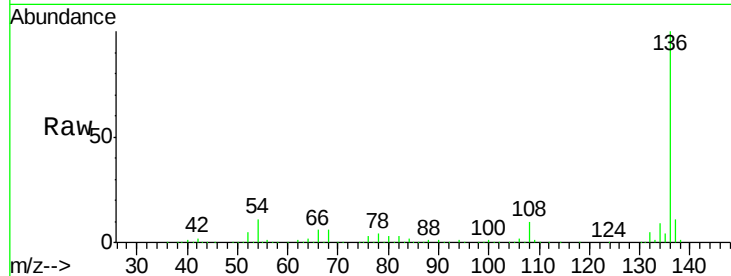




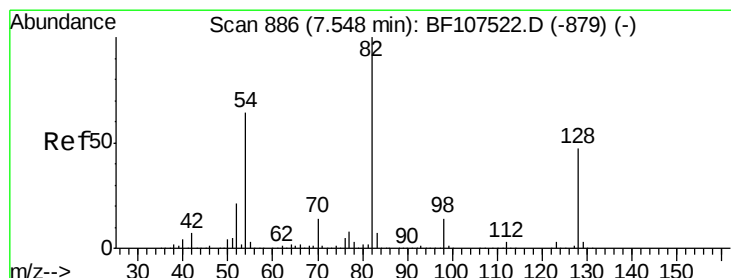
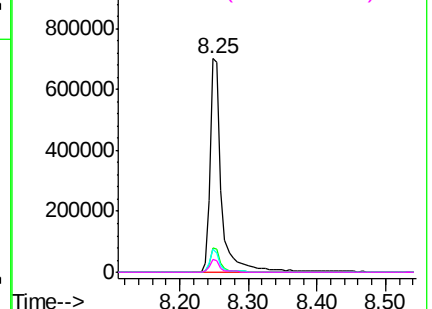
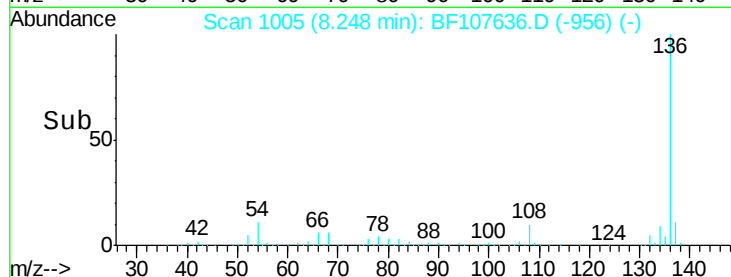
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF107636.D
Acq: 24 Jul 2018 23:01

Instrument :
BNA_F
ClientSampleId :
20180415-COMPOSITE-1

Tgt Ion:	136	Resp:	852520
Ion Ratio	Lower	Upper	
136	100		
137	11.3	8.9	13.3
54	10.7	6.6	9.8#
68	6.0	5.0	7.4

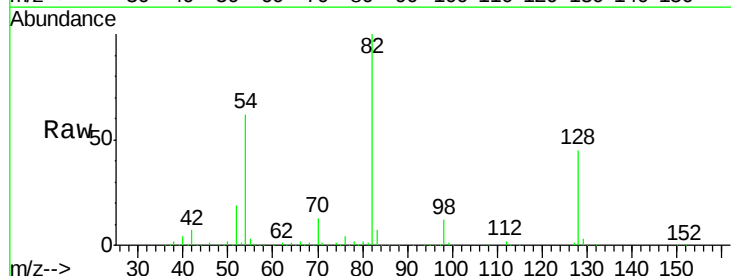


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

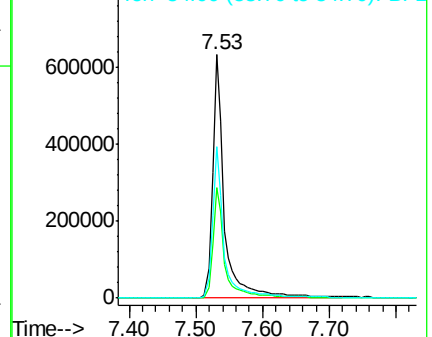
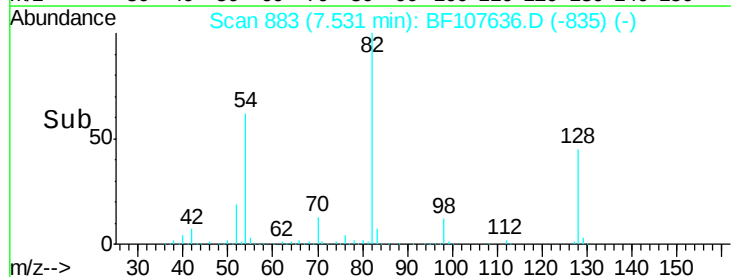


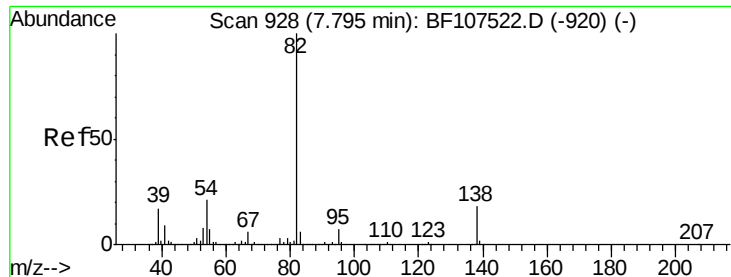
#23
Nitrobenzene-d5
Concen: 62.491 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF107636.D
Acq: 24 Jul 2018 23:01

Tgt Ion:	82	Resp:	789404
Ion Ratio	Lower	Upper	
82	100		
128	45.2	36.1	54.1
54	62.3	41.4	62.2#



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 29.267 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF107636.D

Acq: 24 Jul 2018 23:01

Instrument :

BNA_F

ClientSampleId :

20180415-COMPOSITE-1

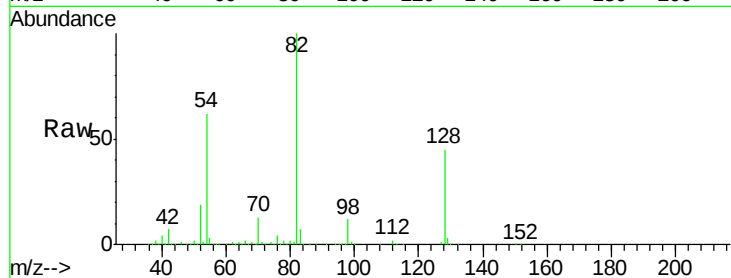
Tgt Ion: 82 Resp: 789400

Ion Ratio Lower Upper

82 100

95 0.1 5.2 7.8#

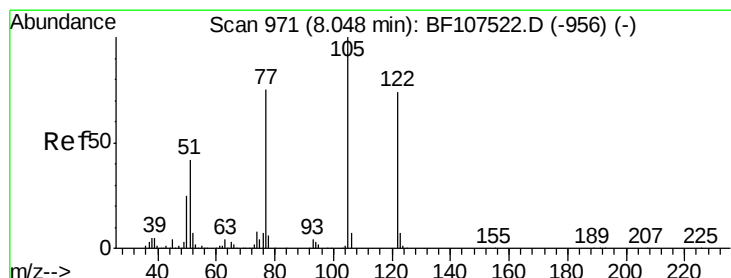
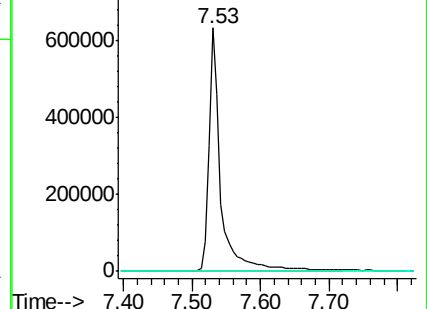
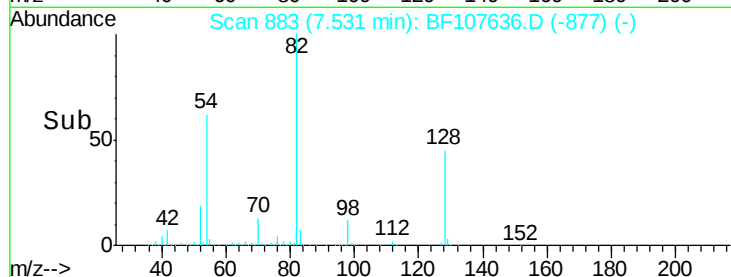
138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#32

Benzoic acid

Concen: 7.912 ng

RT: 8.25 min Scan# 1006

Delta R.T. 0.21 min

Lab File: BF107636.D

Acq: 24 Jul 2018 23:01

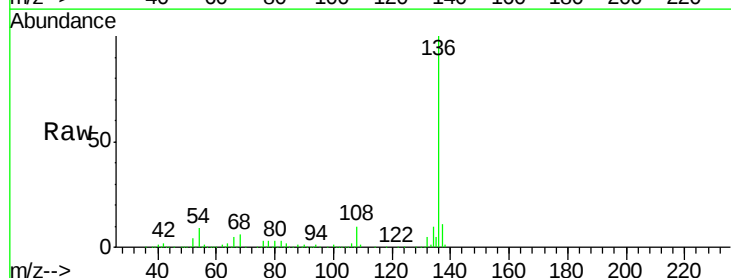
Tgt Ion: 122 Resp: 119

Ion Ratio Lower Upper

122 100

105 226.4 101.1 141.1#

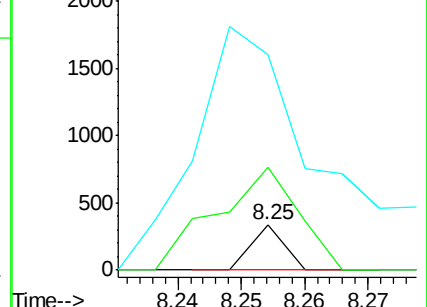
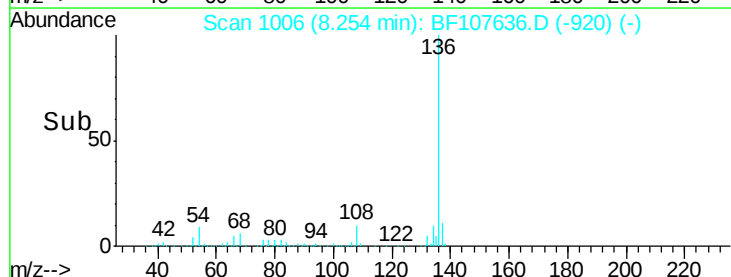
77 475.7 70.7 110.7#

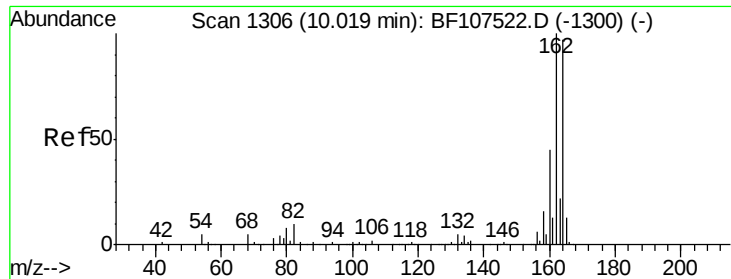


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF107636.D

Acq: 24 Jul 2018 23:01

Instrument :

BNA_F

ClientSampleId :

20180415-COMPOSITE-1

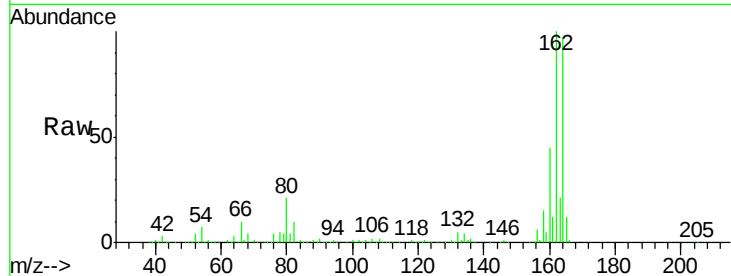
Tgt Ion:164 Resp: 336935

Ion Ratio Lower Upper

164 100

162 102.6 86.1 129.1

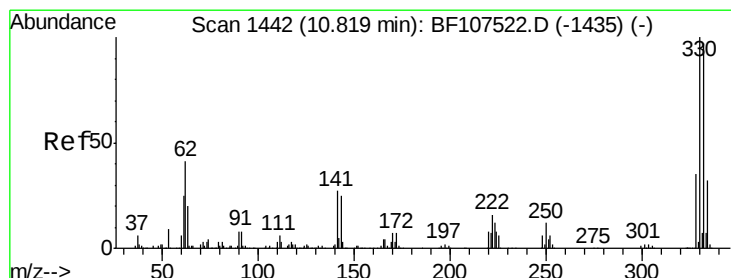
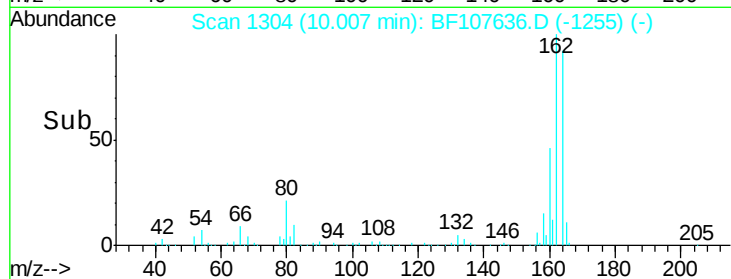
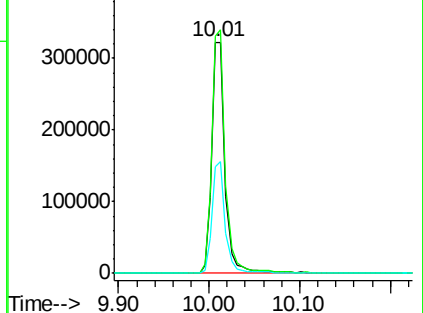
160 46.5 38.3 57.5



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: 72.626 ng

RT: 10.81 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BF107636.D

Acq: 24 Jul 2018 23:01

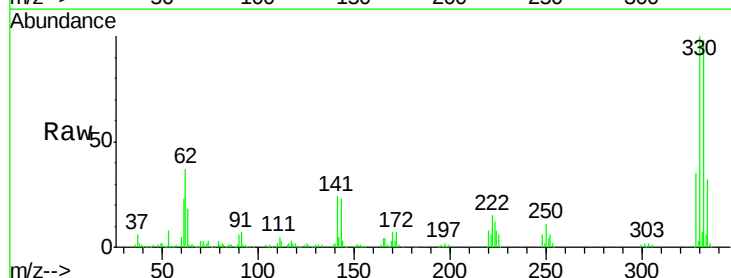
Tgt Ion:330 Resp: 278266

Ion Ratio Lower Upper

330 100

332 95.1 77.0 115.6

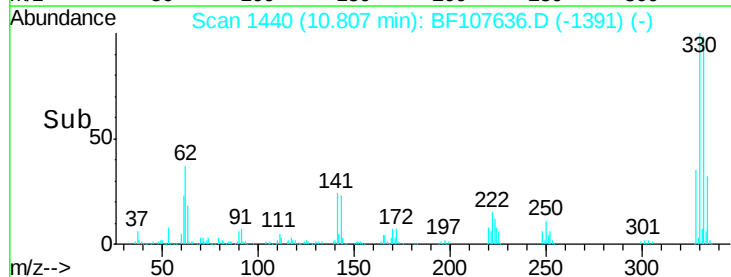
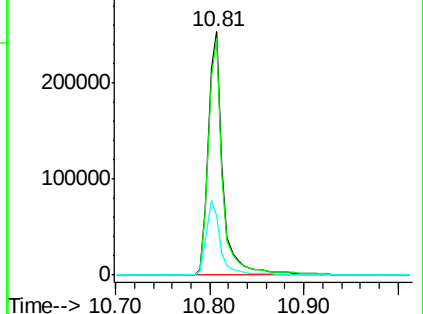
141 29.9 29.9 44.9#

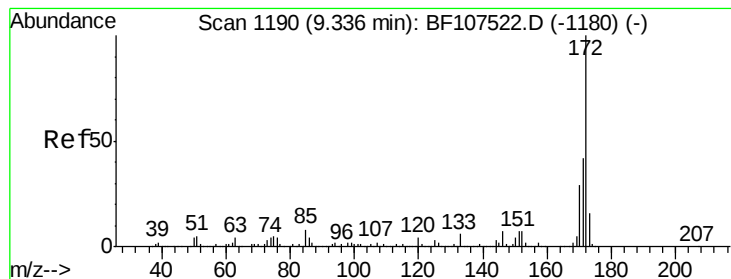


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 66.524 ng

RT: 9.32 min Scan# 1188

Delta R.T. -0.01 min

Lab File: BF107636.D

Acq: 24 Jul 2018 23:01

Instrument :

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20180415-COMPOSITE-1

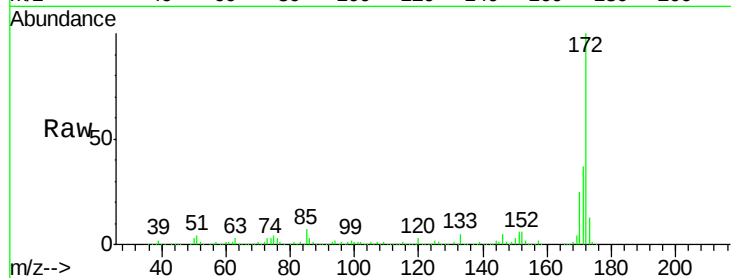
Tgt Ion:172 Resp: 1391470

Ion Ratio Lower Upper

172 100

171 37.1 29.7 44.5

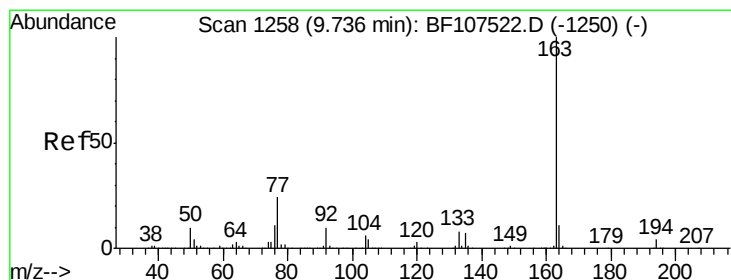
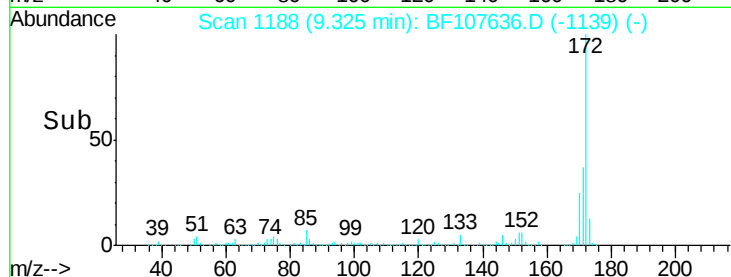
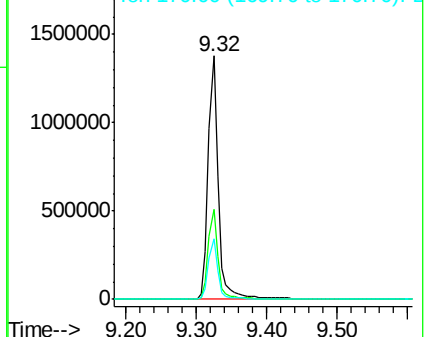
170 24.9 19.6 29.4



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#49

Dimethylphthalate

Concen: 8.836 ng

RT: 9.72 min Scan# 1255

Delta R.T. -0.02 min

Lab File: BF107636.D

Acq: 24 Jul 2018 23:01

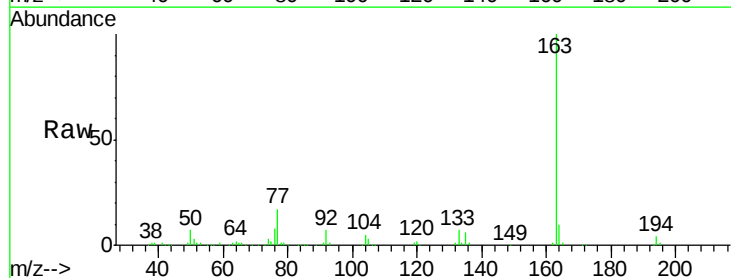
Tgt Ion:163 Resp: 224379

Ion Ratio Lower Upper

163 100

194 3.9 2.7 4.1

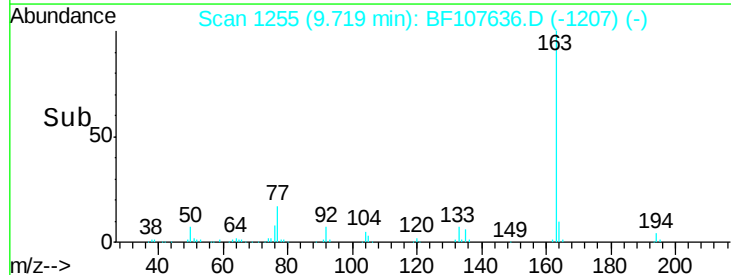
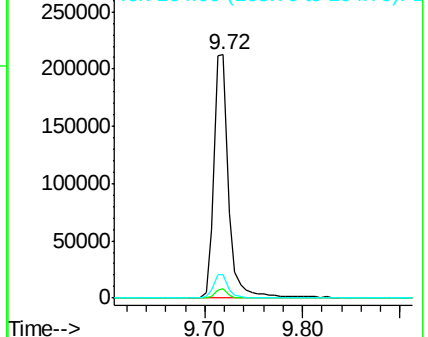
164 9.6 8.2 12.2

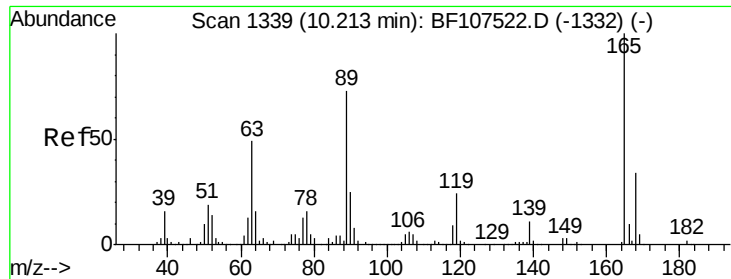


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

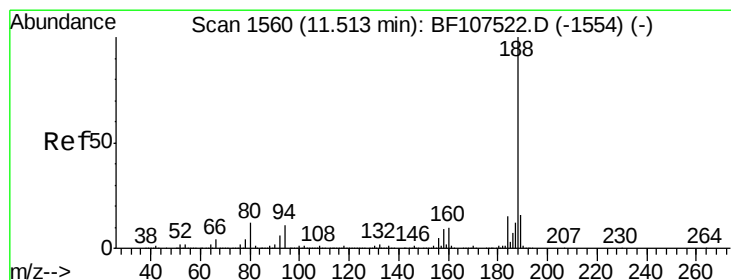
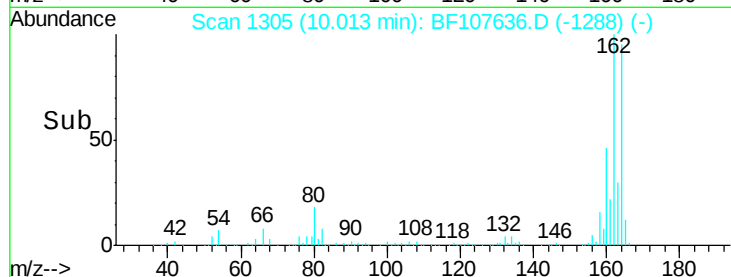
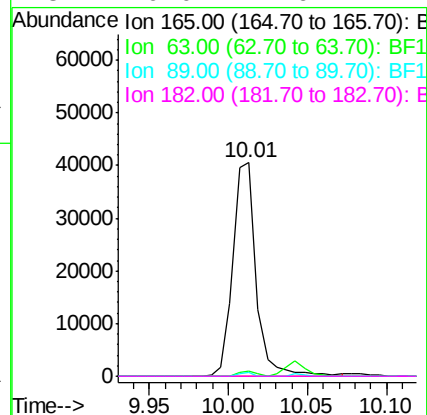
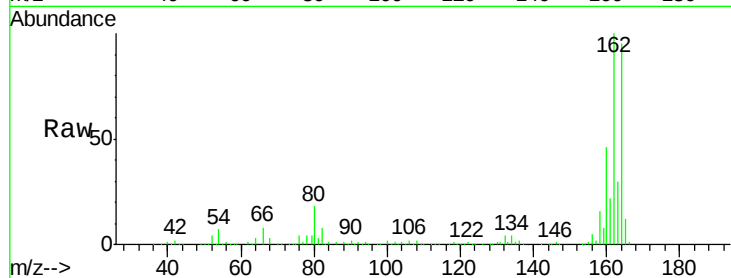




#56
2,4-Dinitrotoluene
Concen: 6.836 ng
RT: 10.01 min Scan# 1305
Delta R.T. -0.20 min
Lab File: BF107636.D
Acq: 24 Jul 2018 23:01

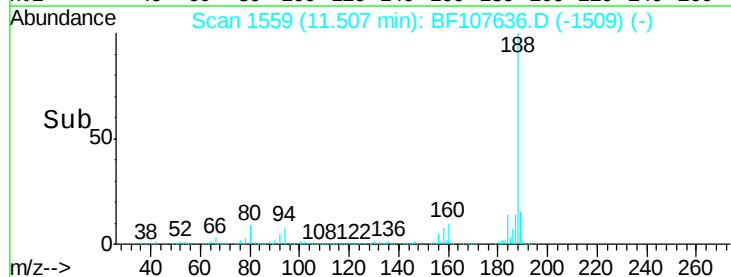
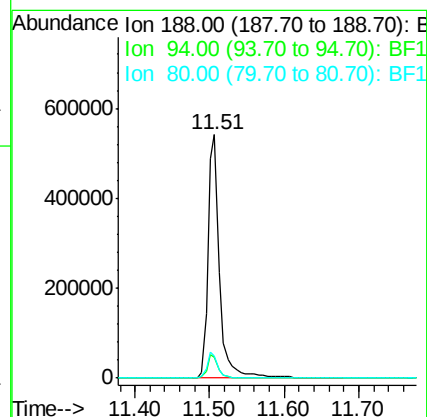
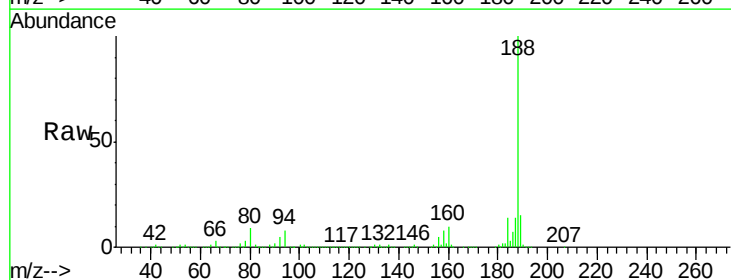
Instrument :
BNA_F
ClientSampleId :
20180415-COMPOSITE-1

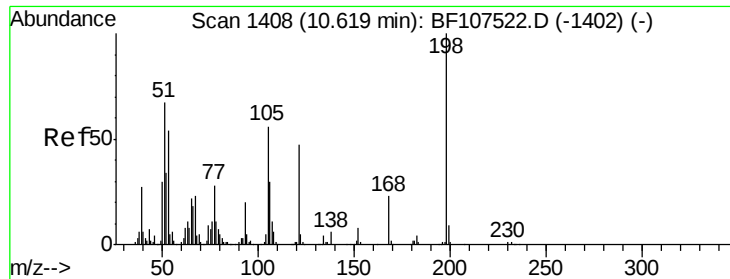
Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.2	36.4	54.6#
89	1.5	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.51 min Scan# 1559
Delta R.T. -0.01 min
Lab File: BF107636.D
Acq: 24 Jul 2018 23:01

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.4	8.5	12.7#
80	8.9	9.2	13.8#

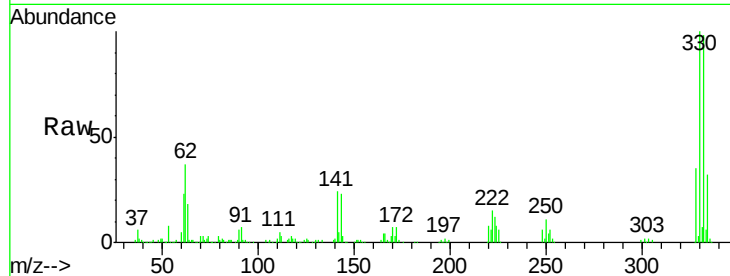




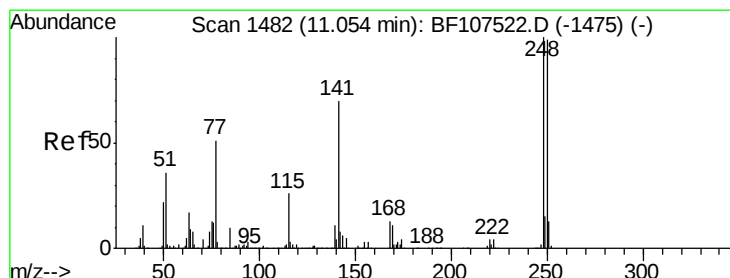
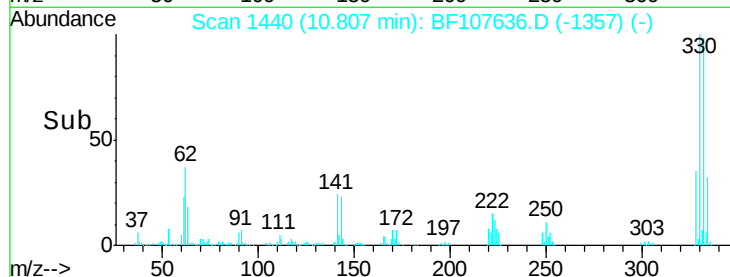
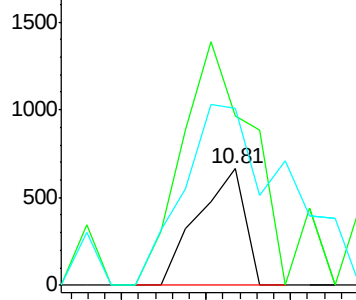
#64
4,6-Dinitro-2-methylphenol
Concen: 8.829 ng
RT: 10.81 min Scan# 1440
Delta R.T. 0.19 min
Lab File: BF107636.D
Acq: 24 Jul 2018 23:01

Instrument :
BNA_F
ClientSampleId :
20180415-COMPOSITE-1

Tgt Ion:198 Resp: 515
Ion Ratio Lower Upper
198 100
51 145.4 37.7 77.7#
105 151.3 36.3 76.3#

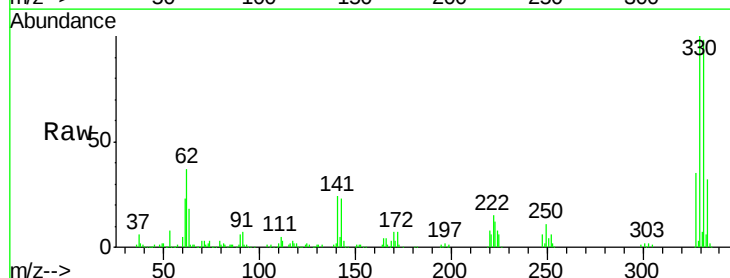


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

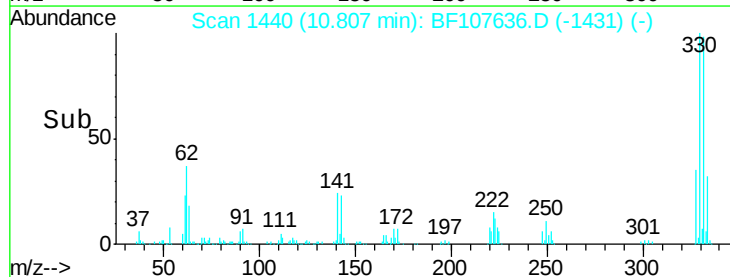
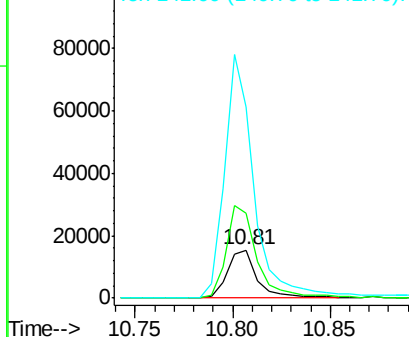


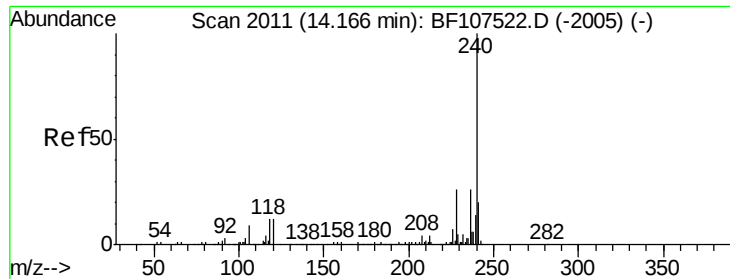
#66
4-Bromophenyl-phenylether
Concen: 2.359 ng
RT: 10.81 min Scan# 1440
Delta R.T. -0.25 min
Lab File: BF107636.D
Acq: 24 Jul 2018 23:01

Tgt Ion:248 Resp: 16408
Ion Ratio Lower Upper
248 100
250 177.9 76.9 115.3#
141 399.3 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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2009

Delta R.T. -0.01 min

Lab File: BF107636.D

Acq: 24 Jul 2018 23:01

Instrument :

BNA_F

ClientSampleId :

20180415-COMPOSITE-1

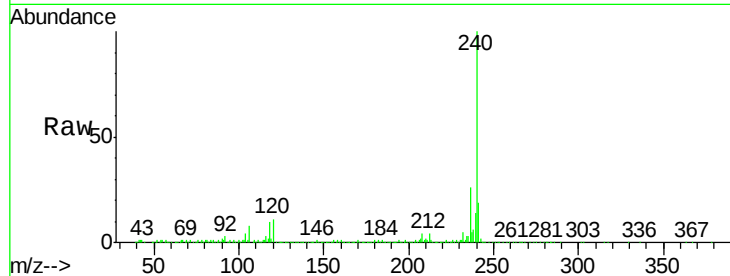
Tgt Ion:240 Resp: 446635

Ion Ratio Lower Upper

240 100

120 11.2 9.5 14.3

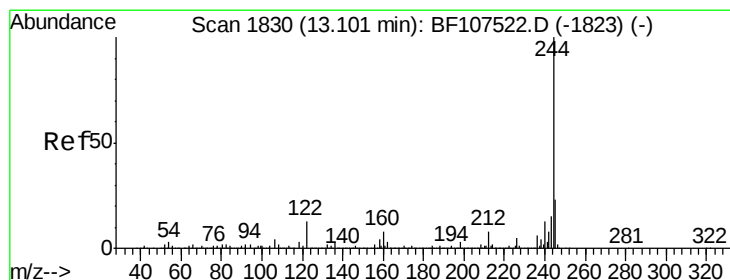
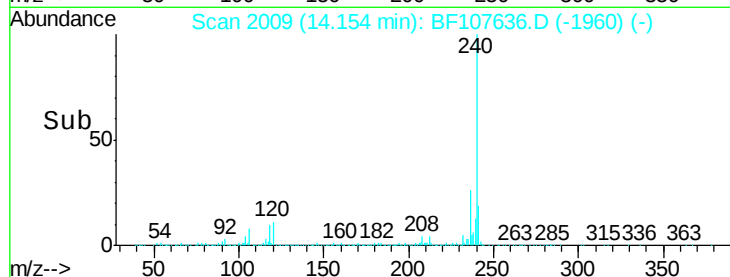
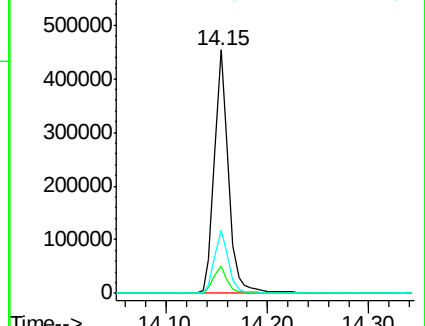
236 25.9 20.7 31.1



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



#78

Terphenyl-d14

Concen: 63.033 ng

RT: 13.09 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF107636.D

Acq: 24 Jul 2018 23:01

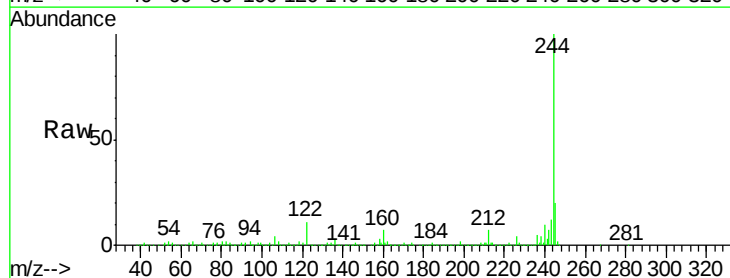
Tgt Ion:244 Resp: 1099669

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

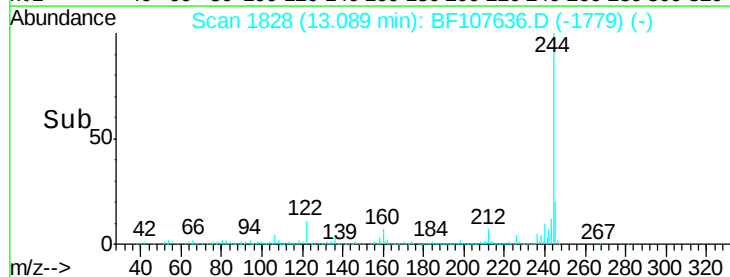
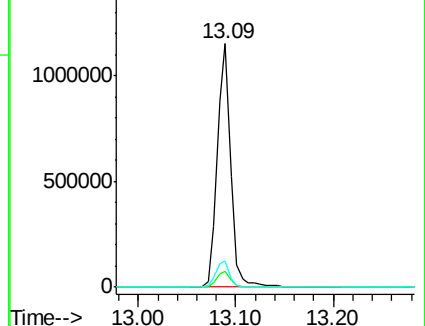
122 10.6 11.0 16.4#

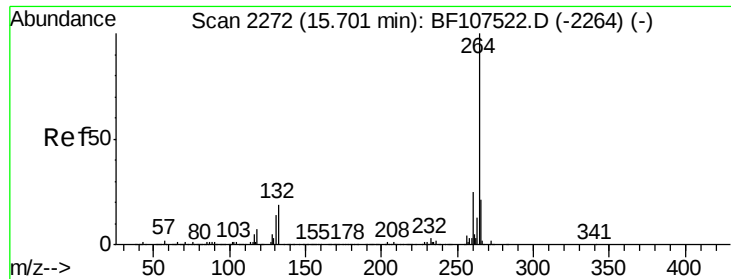


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

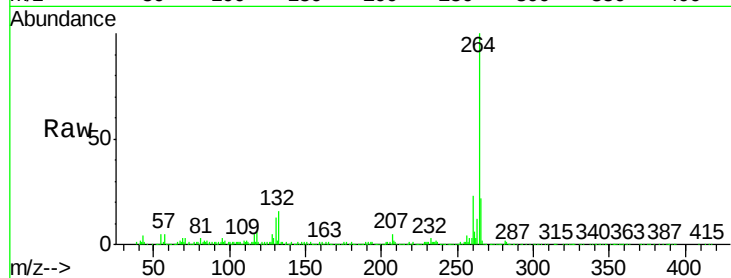




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.69 min Scan# 2270
Delta R.T. -0.01 min
Lab File: BF107636.D
Acq: 24 Jul 2018 23:01

Instrument :
BNA_F
ClientSampleId :
20180415-COMPOSITE-1

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	21.8	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

