

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072418\
 Data File : BF107616.D
 Acq On : 24 Jul 2018 14:04
 Operator : JU/SJ
 Sample : J3991-01RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-1-A

Quant Time: Jul 25 01:01:17 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

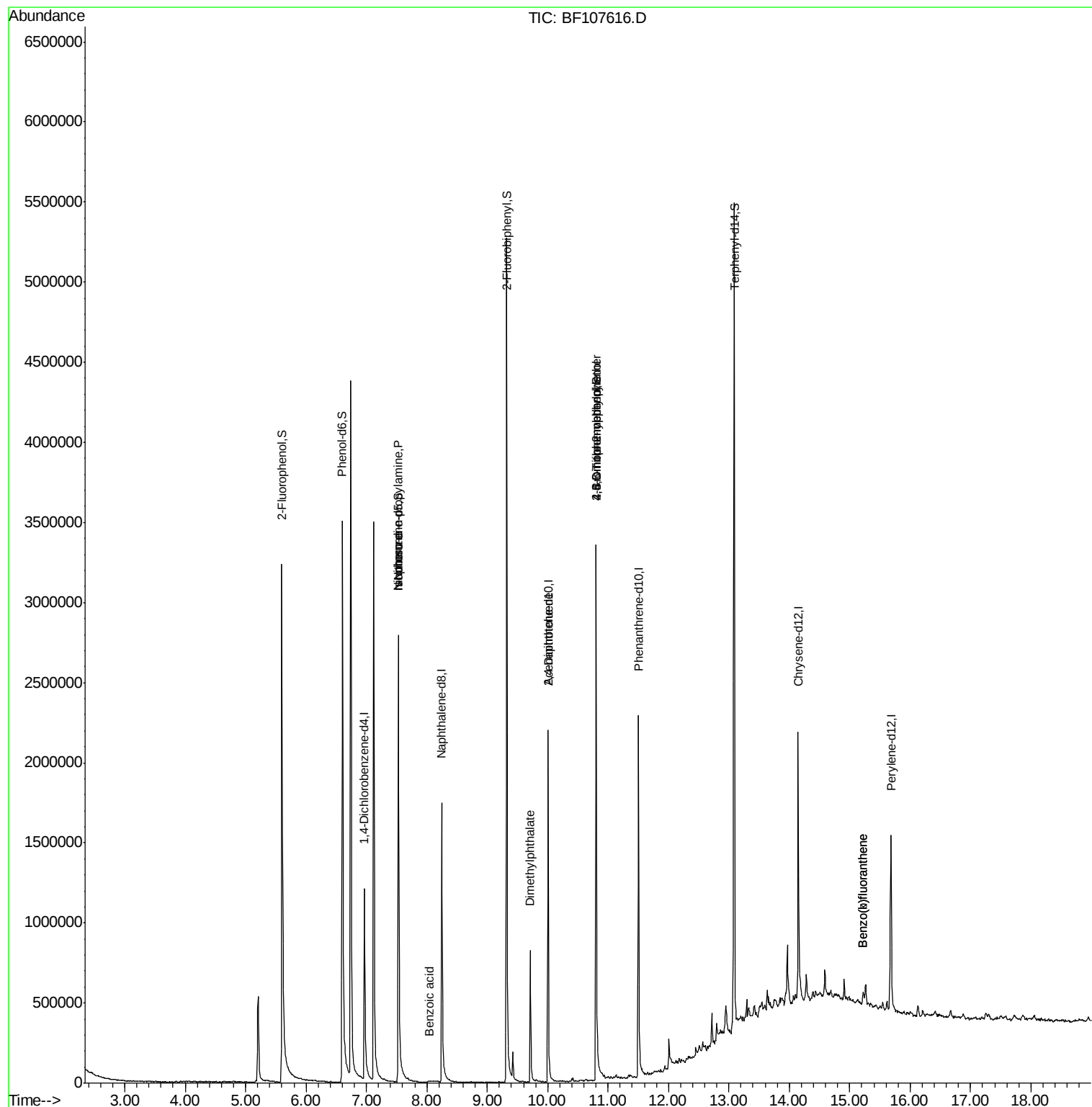
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.97	152	249384	20.00	ng	-0.01
21) Naphthalene-d8	8.25	136	1014972	20.00	ng	-0.01
38) Acenaphthene-d10	10.01	164	456947	20.00	ng	-0.01
63) Phenanthrene-d10	11.50	188	949914	20.00	ng	-0.01
75) Chrysene-d12	14.15	240	658223	20.00	ng	-0.02
86) Perylene-d12	15.68	264	604964	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	1453020	93.68	ng	0.00
7) Phenol-d6	6.60	99	1803514	96.84	ng	-0.01
23) Nitrobenzene-d5	7.53	82	1136969	75.60	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	528965	101.80	ng	-0.02
44) 2-Fluorobiphenyl	9.32	172	1988190	71.22	ng	-0.01
78) Terphenyl-d14	13.09	244	1981009	77.05	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.53	70	148774	12.365	ng	# 82
25) Isophorone	7.53	82	1136969	35.407	ng	# 64
32) Benzoic acid	8.05	122	992	7.986	ng	91
49) Dimethylphthalate	9.71	163	383314	11.130	ng	100
56) 2,4-Dinitrotoluene	10.01	165	58634	7.104	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.80	198	779	8.820	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	30619	2.738	ng	# 1
73) Di-n-butylphthalate	12.05	149	9969	Below Cal		# 93
81) 3,3'-Dichlorobenzidine	14.10	252	995	Below Cal		# 1
87) Benzo(b)fluoranthene	15.22	252	69451	2.098	ng	# 85
88) Benzo(k)fluoranthene	15.22	252	69451	2.141	ng	# 87

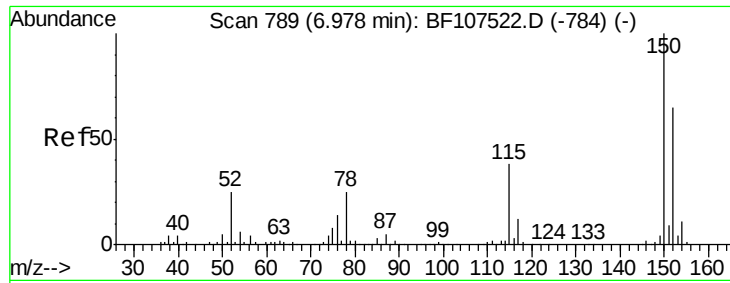
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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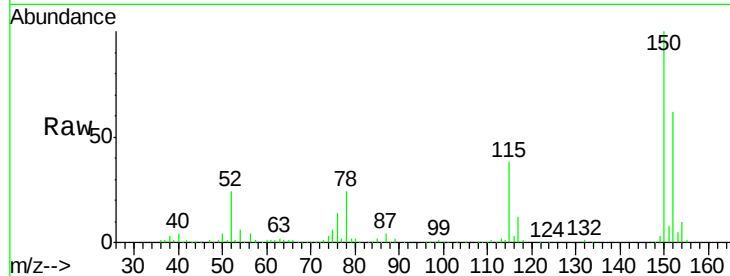


#1

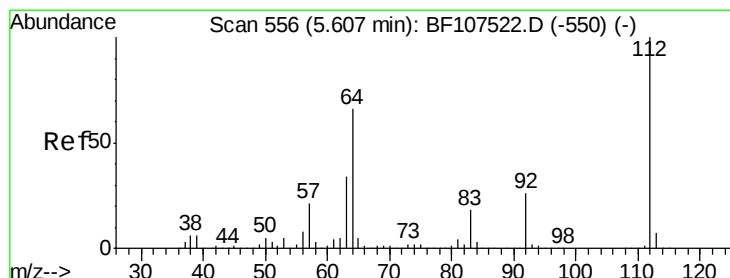
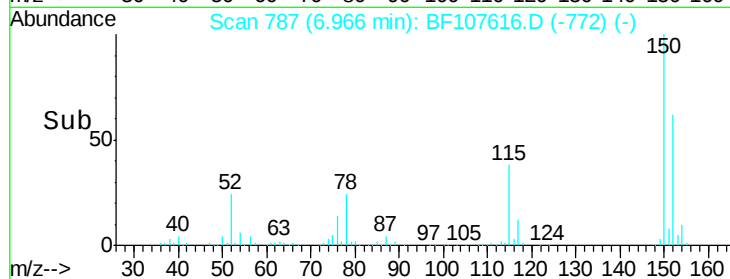
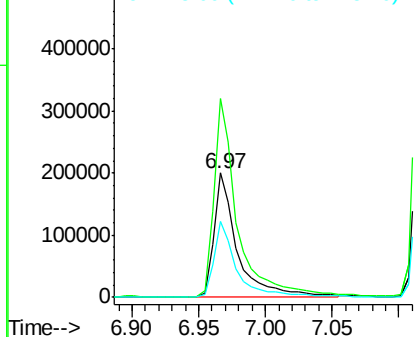
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. -0.01 min
Lab File: BF107616.D
Acq: 24 Jul 2018 14:04

Instrument :
BNA_F
ClientSampled :
SB-1-A

Tgt Ion:152 Resp: 249384
Ion Ratio Lower Upper
152 100
150 160.1 124.6 186.8
115 61.0 50.1 75.1



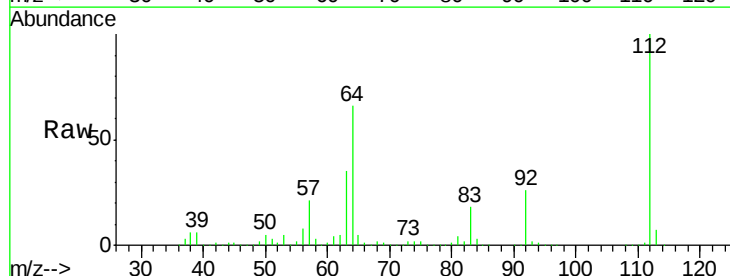
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



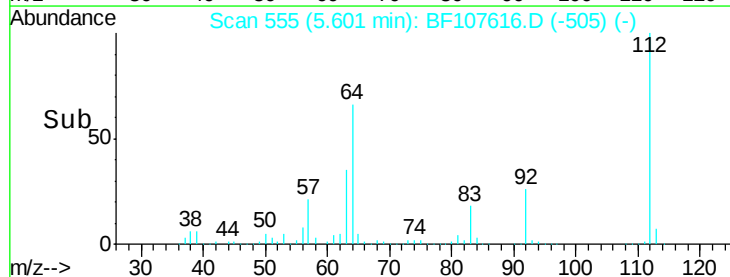
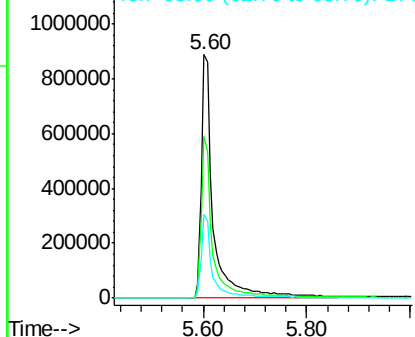
#5

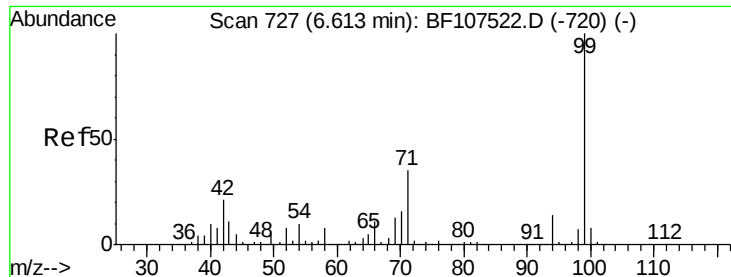
2-Fluorophenol
Concen: 93.678 ng
RT: 5.60 min Scan# 555
Delta R.T. -0.01 min
Lab File: BF107616.D
Acq: 24 Jul 2018 14:04

Tgt Ion:112 Resp: 1453020
Ion Ratio Lower Upper
112 100
64 66.3 47.9 71.9
63 34.6 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: 96.836 ng

RT: 6.60 min Scan# 725

Delta R.T. -0.01 min

Lab File: BF107616.D

Acq: 24 Jul 2018 14:04

Instrument :

BNA_F

ClientSampleId :

SB-1-A

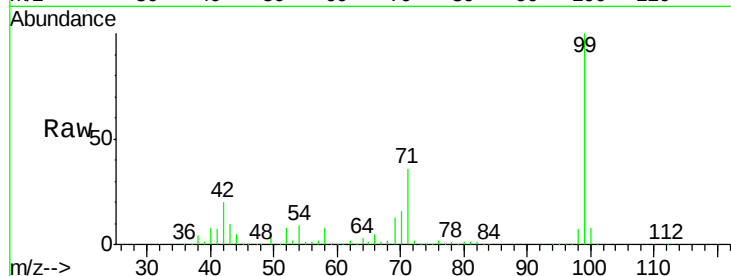
Tgt Ion: 99 Resp: 1803514

Ion Ratio Lower Upper

99 100

42 20.0 14.5 21.7

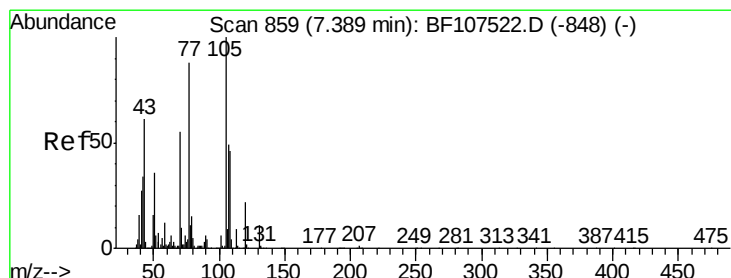
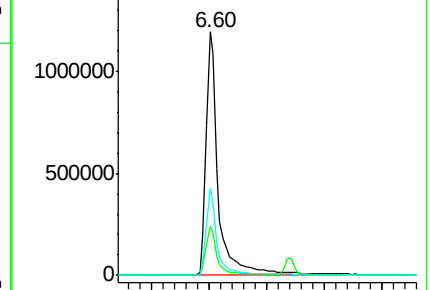
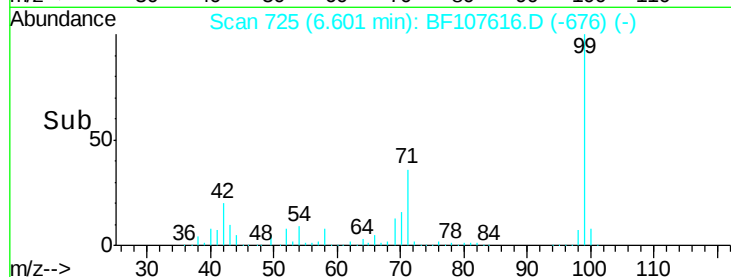
71 35.7 25.4 38.0



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: 12.365 ng

RT: 7.53 min Scan# 883

Delta R.T. 0.14 min

Lab File: BF107616.D

Acq: 24 Jul 2018 14:04

Tgt Ion: 70 Resp: 148774

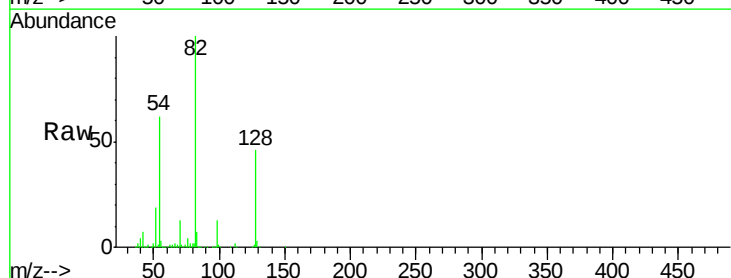
Ion Ratio Lower Upper

70 100

42 52.5 47.5 71.3

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

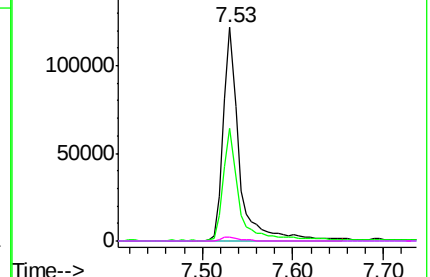
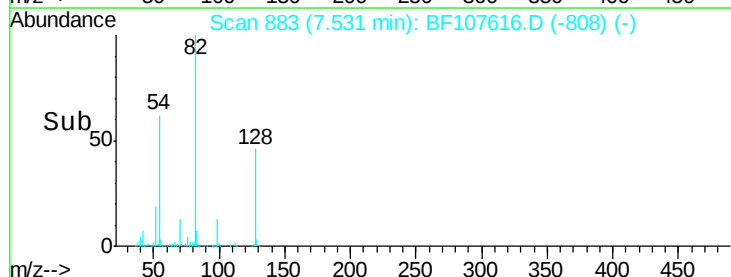


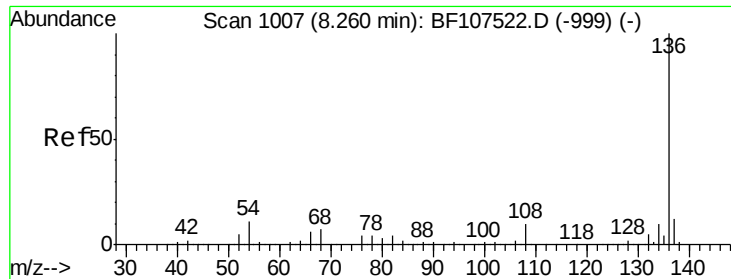
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

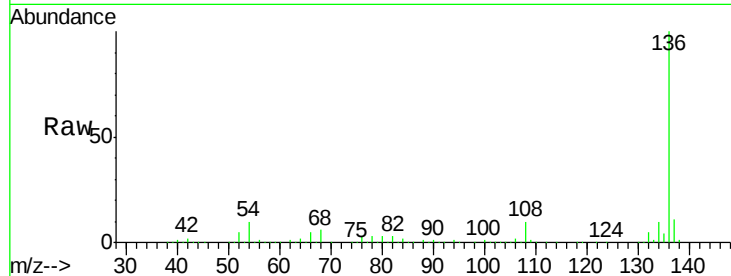




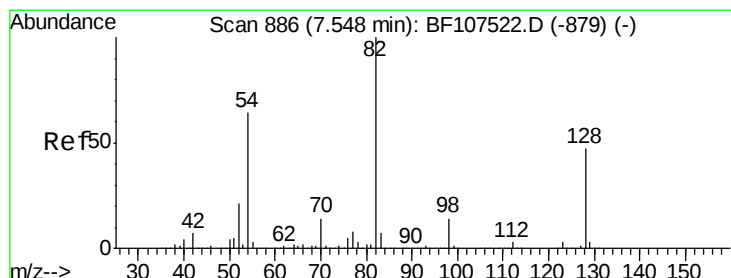
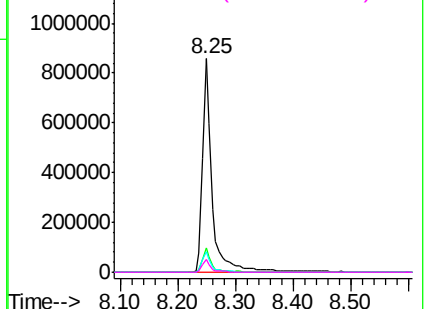
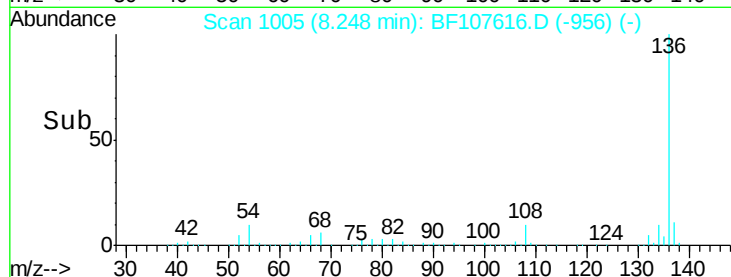
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF107616.D
Acq: 24 Jul 2018 14:04

Instrument :
BNA_F
ClientSampleId :
SB-1-A

Tgt Ion:136 Resp: 1014972
Ion Ratio Lower Upper
136 100
137 11.3 8.9 13.3
54 9.7 6.6 9.8
68 5.9 5.0 7.4

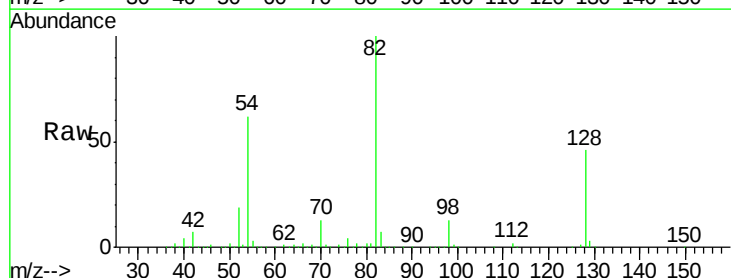


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

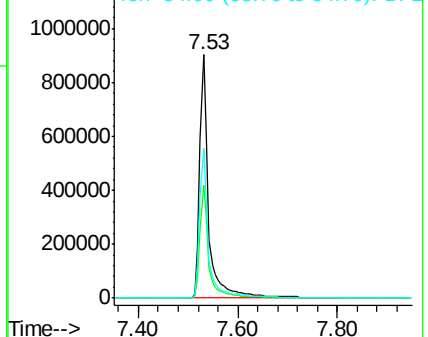
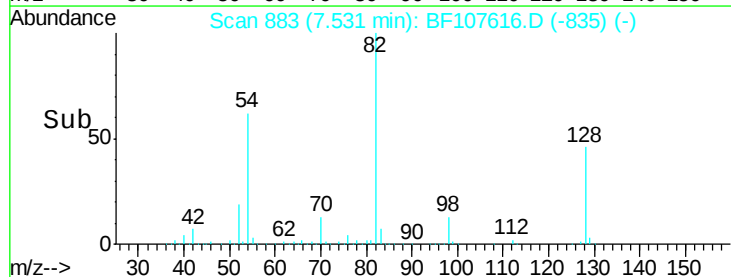


#23
Nitrobenzene-d5
Concen: 75.599 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF107616.D
Acq: 24 Jul 2018 14:04

Tgt Ion: 82 Resp: 1136969
Ion Ratio Lower Upper
82 100
128 46.5 36.1 54.1
54 61.7 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: 35.407 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.26 min

Lab File: BF107616.D

Acq: 24 Jul 2018 14:04

Instrument :

BNA_F

ClientSampleId :

SB-1-A

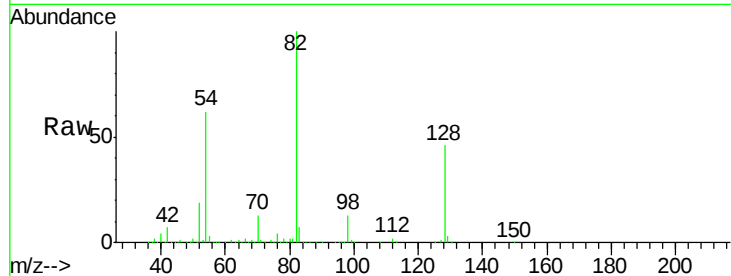
Tgt Ion: 82 Resp: 1136969

Ion Ratio Lower Upper

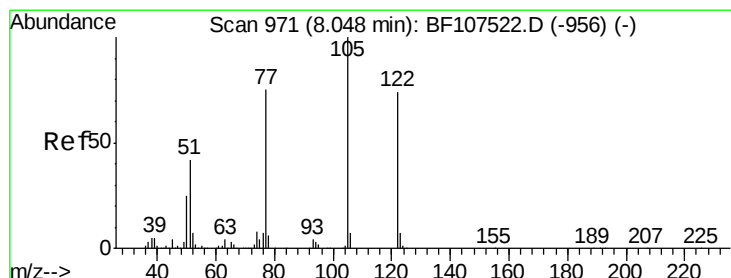
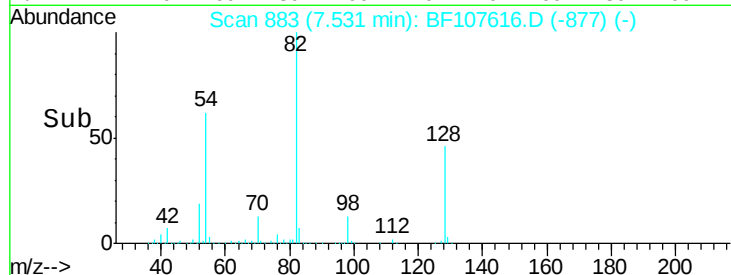
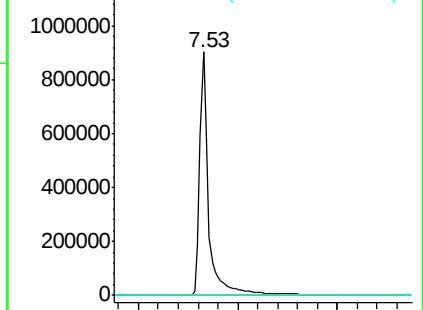
82 100

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: 7.986 ng

RT: 8.05 min Scan# 971

Delta R.T. 0.00 min

Lab File: BF107616.D

Acq: 24 Jul 2018 14:04

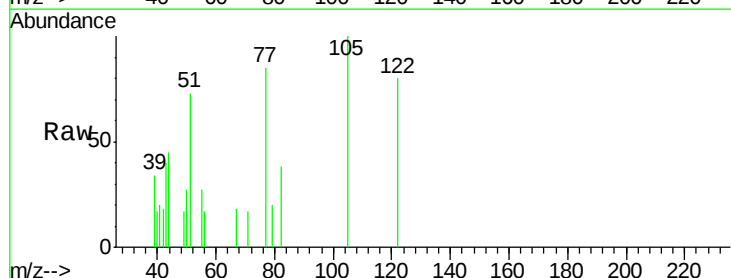
Tgt Ion: 122 Resp: 992

Ion Ratio Lower Upper

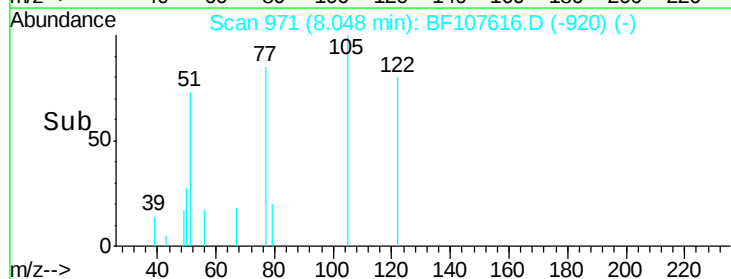
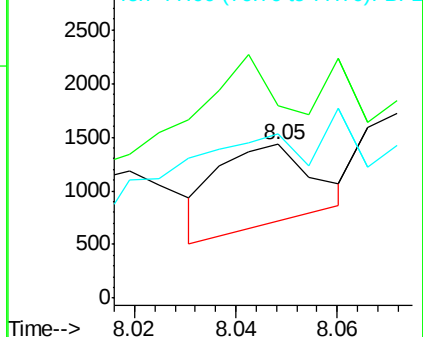
122 100

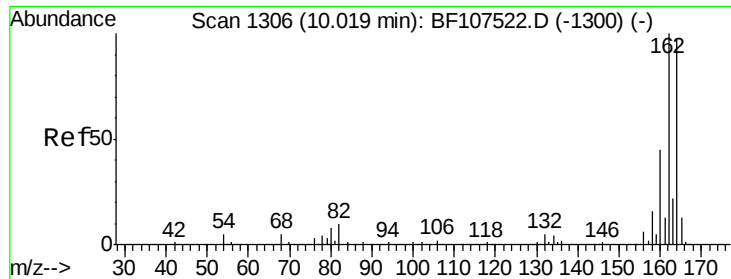
105 125.1 101.1 141.1

77 106.6 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

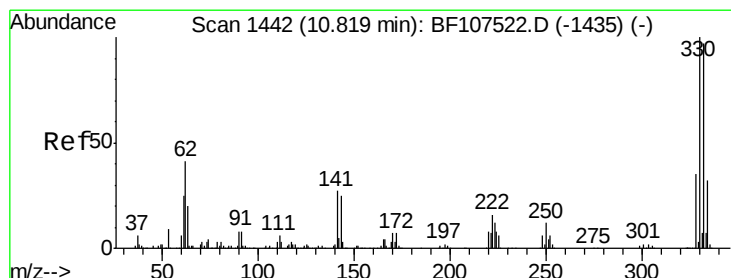
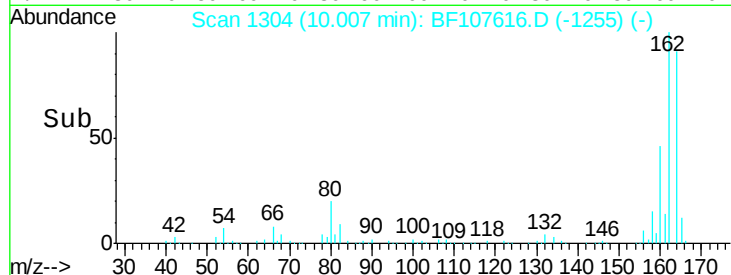
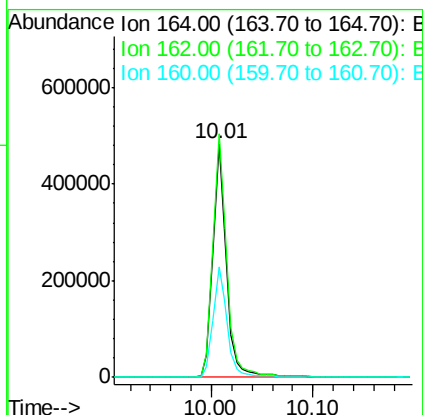
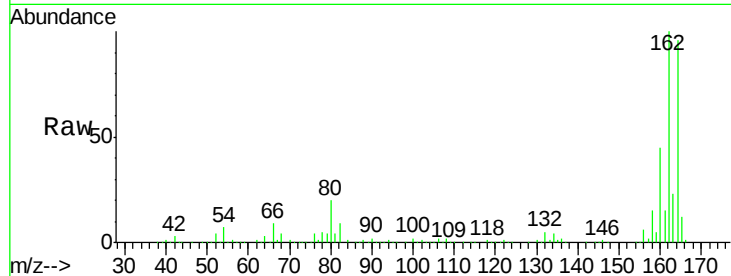




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 10.01 min Scan# 1304
 Delta R.T. -0.01 min
 Lab File: BF107616.D
 Acq: 24 Jul 2018 14:04

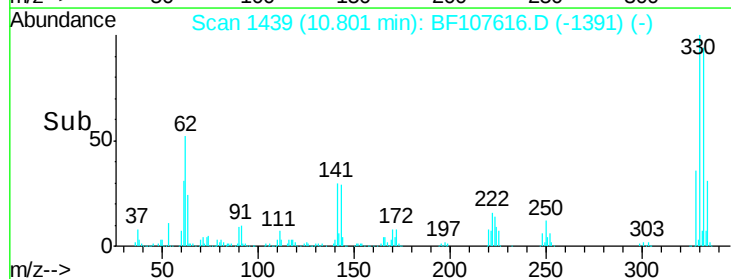
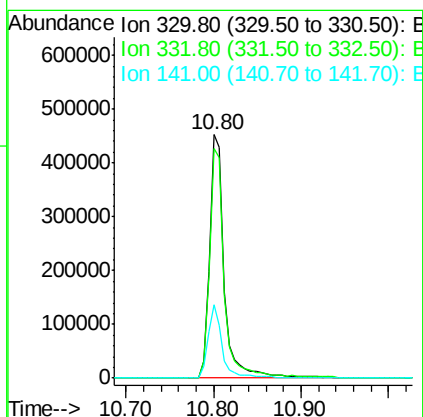
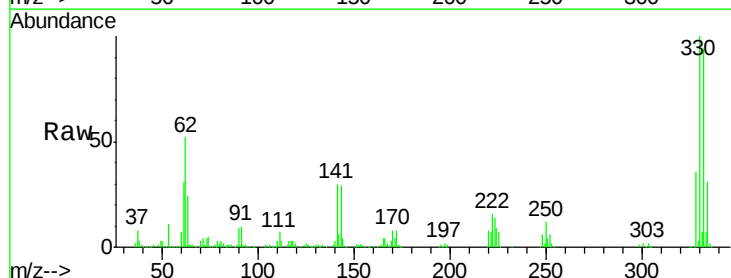
Instrument :
 BNA_F
 ClientSampleId :
 SB-1-A

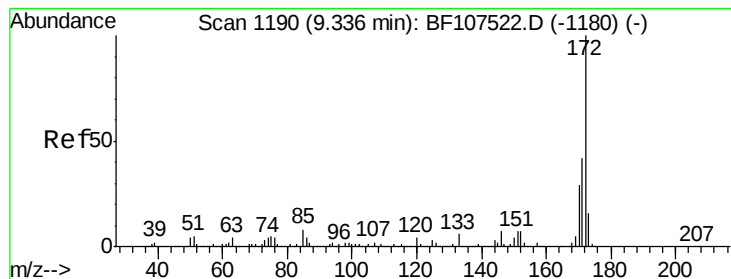
Tgt Ion:164 Resp: 456947
 Ion Ratio Lower Upper
 164 100
 162 104.3 86.1 129.1
 160 47.4 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 101.798 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. -0.02 min
 Lab File: BF107616.D
 Acq: 24 Jul 2018 14:04

Tgt Ion:330 Resp: 528965
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.0 115.6
 141 29.1 29.9 44.9#





#44

2-Fluorobiphenyl

Concen: 71.222 ng

RT: 9.32 min Scan# 1188

Delta R.T. -0.01 min

Lab File: BF107616.D

Acq: 24 Jul 2018 14:04

Instrument :

BNA_F

ClientSampleId :

SB-1-A

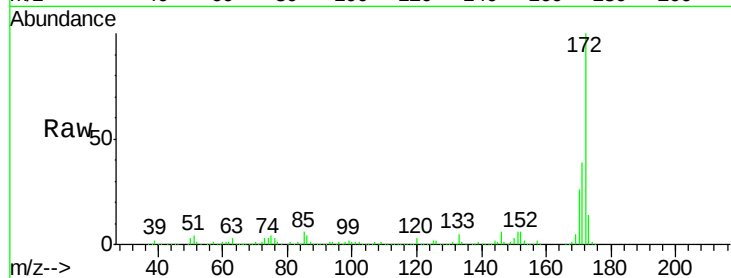
Tgt Ion:172 Resp: 1988190

Ion Ratio Lower Upper

172 100

171 39.1 29.7 44.5

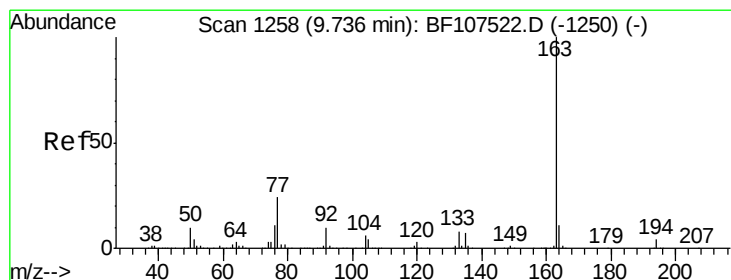
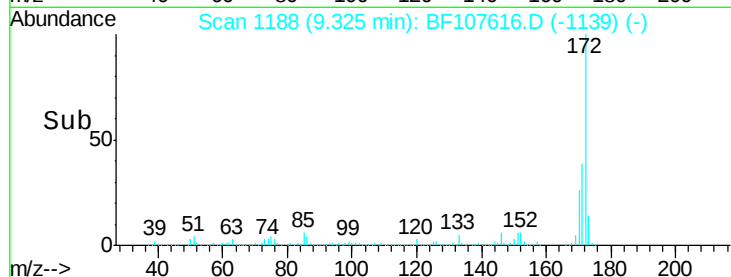
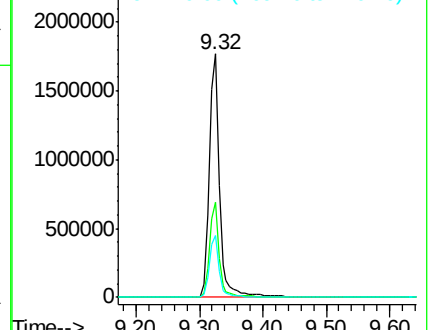
170 25.6 19.6 29.4



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: 11.130 ng

RT: 9.71 min Scan# 1254

Delta R.T. -0.02 min

Lab File: BF107616.D

Acq: 24 Jul 2018 14:04

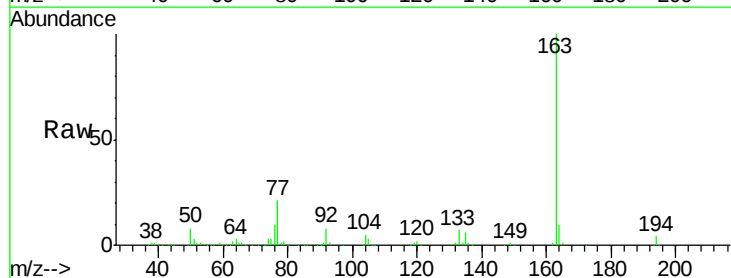
Tgt Ion:163 Resp: 383314

Ion Ratio Lower Upper

163 100

194 3.8 2.7 4.1

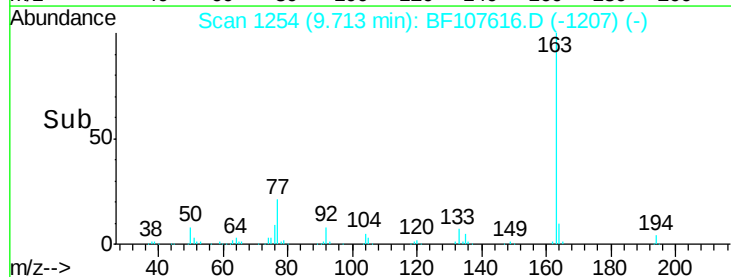
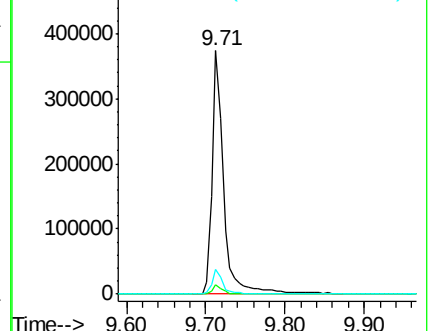
164 10.2 8.2 12.2

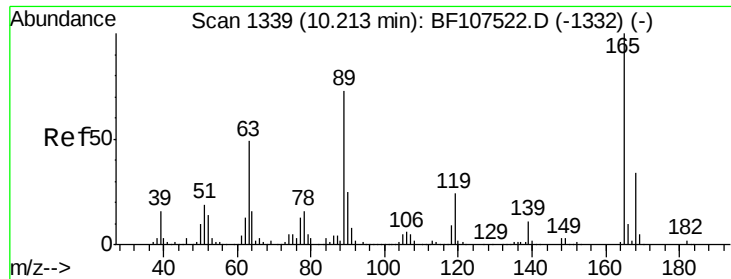


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

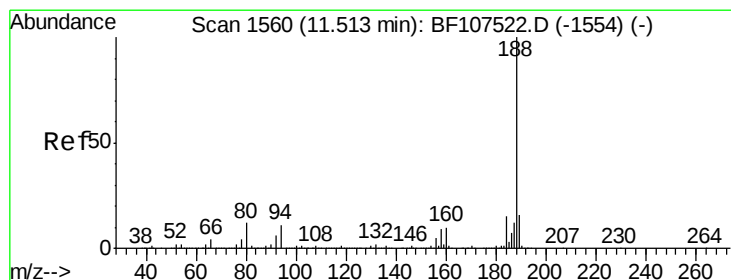
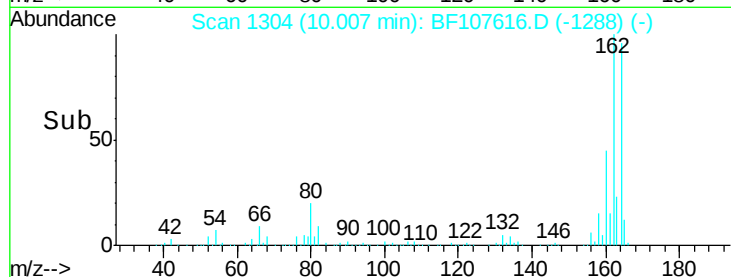
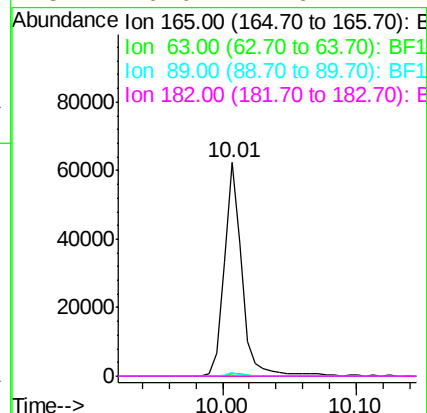
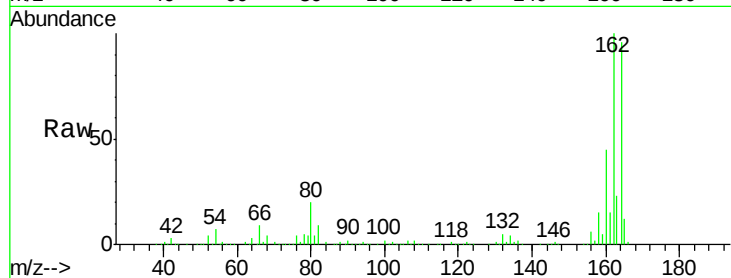




#56
2,4-Dinitrotoluene
Concen: 7.104 ng
RT: 10.01 min Scan# 1304
Delta R.T. -0.21 min
Lab File: BF107616.D
Acq: 24 Jul 2018 14:04

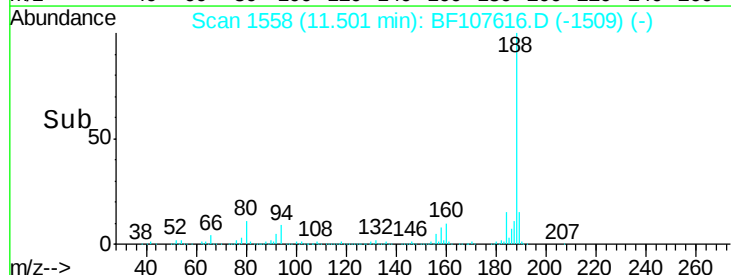
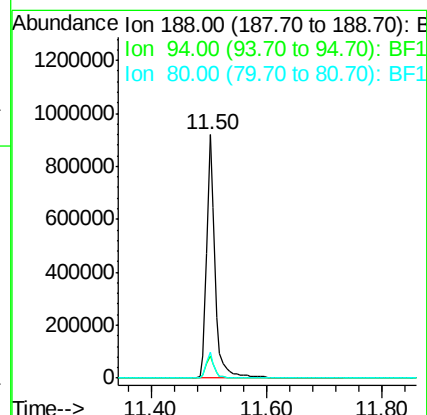
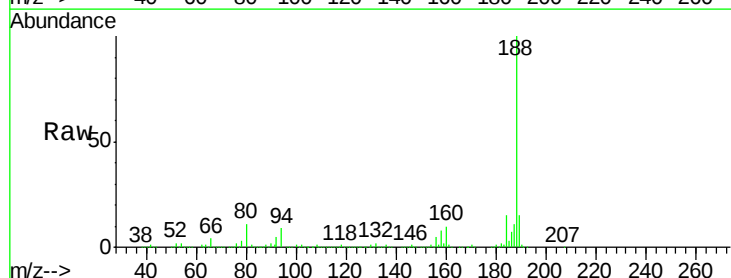
Instrument :
BNA_F
ClientSampled :
SB-1-A

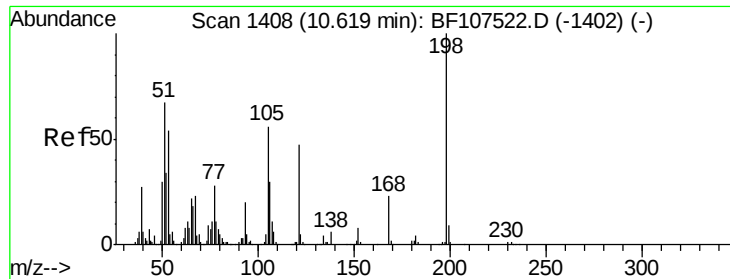
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.4	36.4	54.6#
89	1.7	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.50 min Scan# 1558
Delta R.T. -0.01 min
Lab File: BF107616.D
Acq: 24 Jul 2018 14:04

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	8.5	12.7
80	10.6	9.2	13.8





#64

4,6-Dinitro-2-methylphenol

Concen: 8.820 ng

RT: 10.80 min Scan# 1439

Delta R.T. 0.18 min

Lab File: BF107616.D

Acq: 24 Jul 2018 14:04

Instrument :

BNA_F

ClientSampled :

SB-1-A

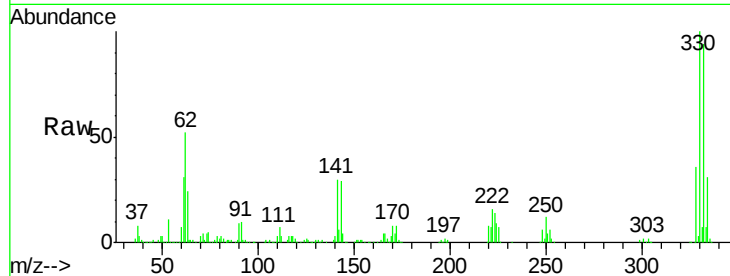
Tgt Ion:198 Resp: 779

Ion Ratio Lower Upper

198 100

51 204.8 37.7 77.7#

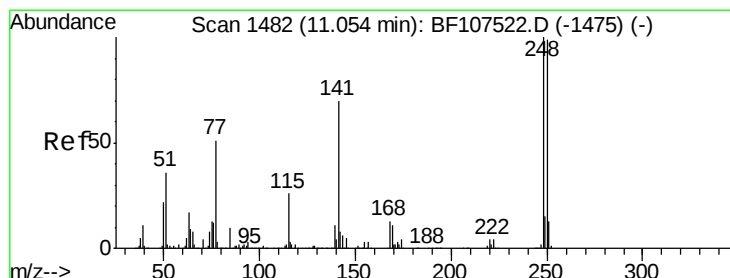
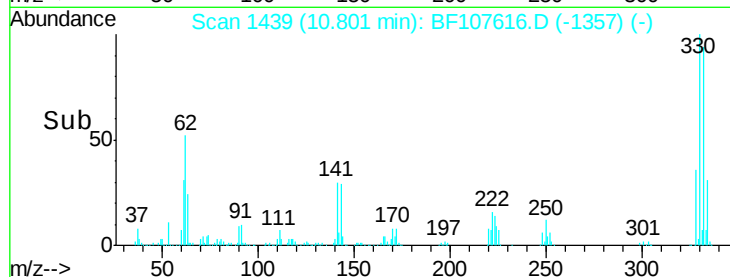
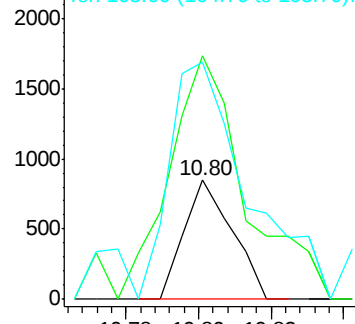
105 199.6 36.3 76.3#



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: 2.738 ng

RT: 10.80 min Scan# 1439

Delta R.T. -0.25 min

Lab File: BF107616.D

Acq: 24 Jul 2018 14:04

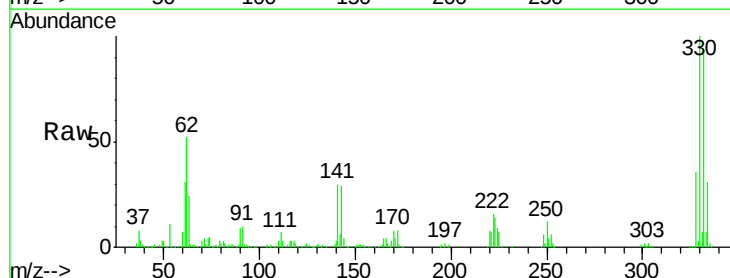
Tgt Ion:248 Resp: 30619

Ion Ratio Lower Upper

248 100

250 205.1 76.9 115.3#

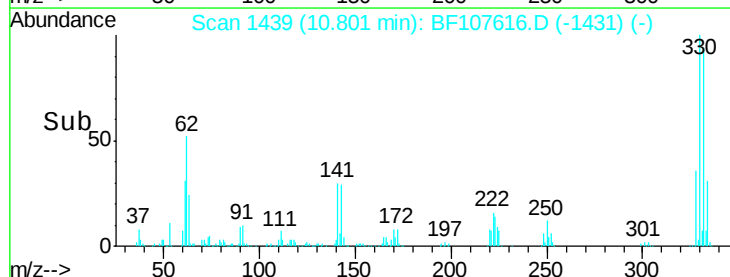
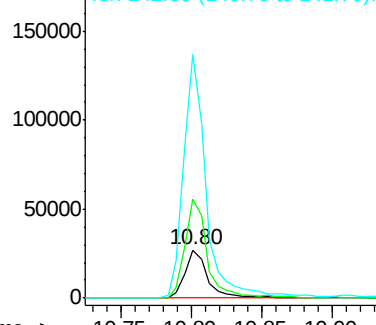
141 504.9 74.4 111.6#

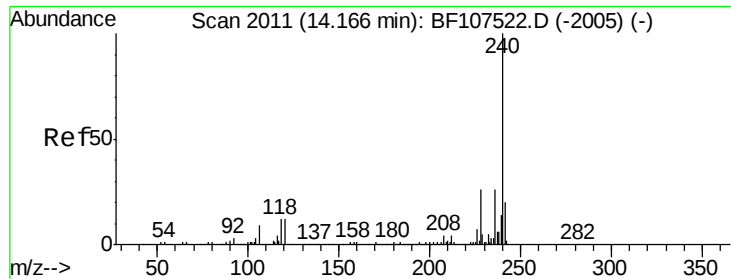


Abundance Ion 248.00 (247.70 to 248.70): E

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# 2008

Delta R.T. -0.02 min

Lab File: BF107616.D

Acq: 24 Jul 2018 14:04

Instrument :

BNA_F

ClientSampleId :

SB-1-A

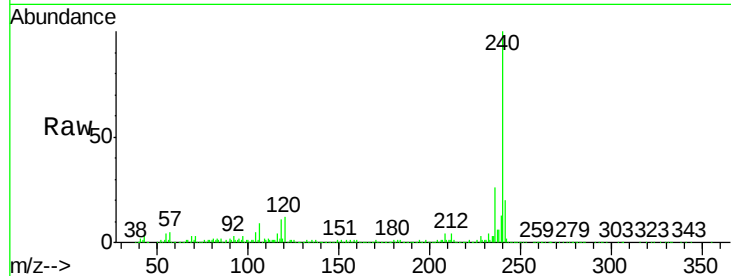
Tgt Ion:240 Resp: 658223

Ion Ratio Lower Upper

240 100

120 12.2 9.5 14.3

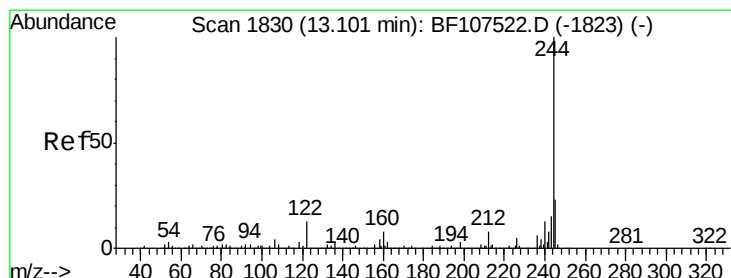
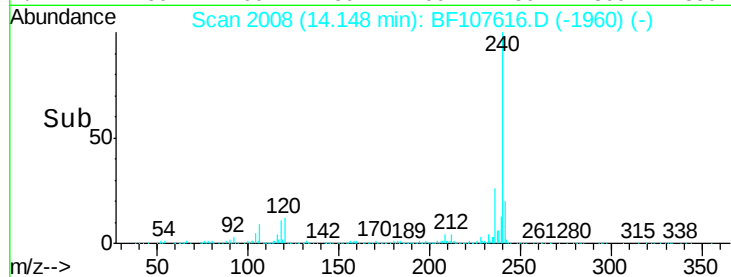
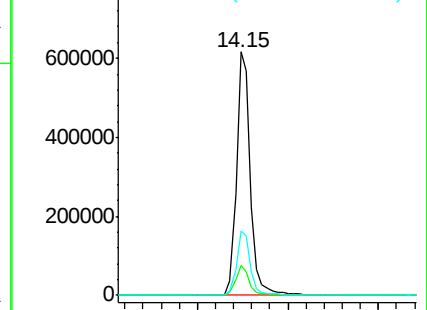
236 26.3 20.7 31.1



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



#78

Terphenyl-d14

Concen: 77.049 ng

RT: 13.09 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF107616.D

Acq: 24 Jul 2018 14:04

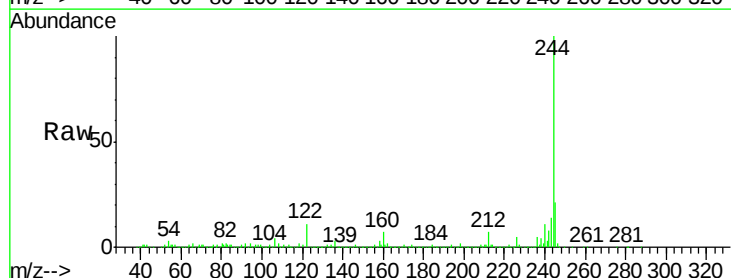
Tgt Ion:244 Resp: 1981009

Ion Ratio Lower Upper

244 100

212 7.3 5.4 8.0

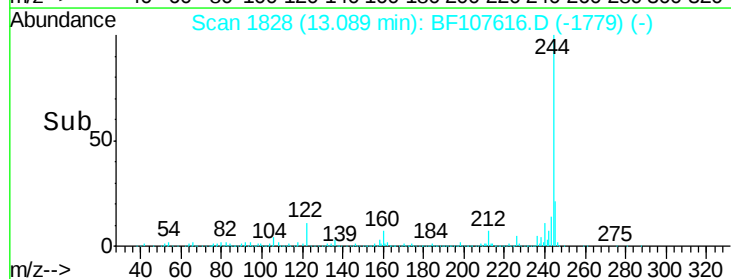
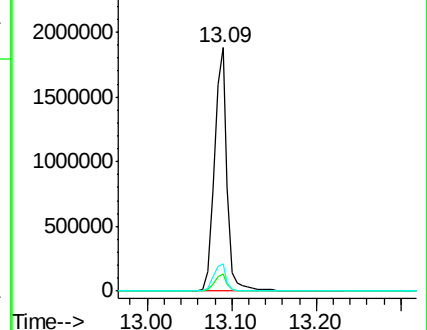
122 11.3 11.0 16.4

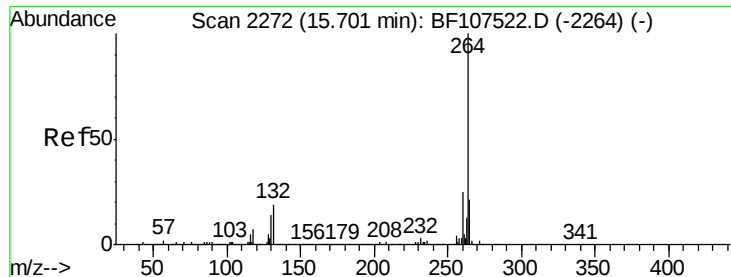


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



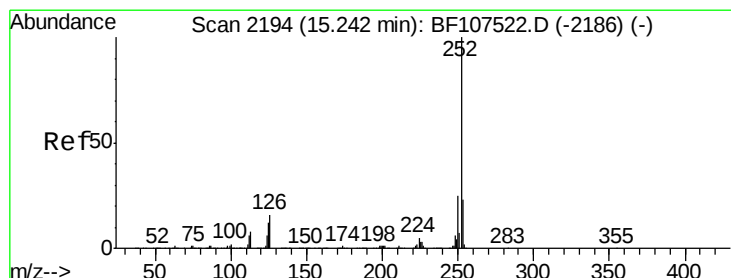
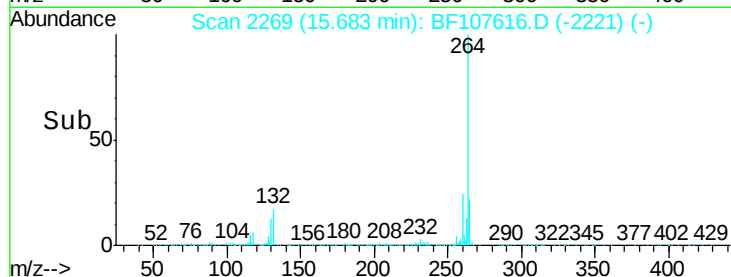
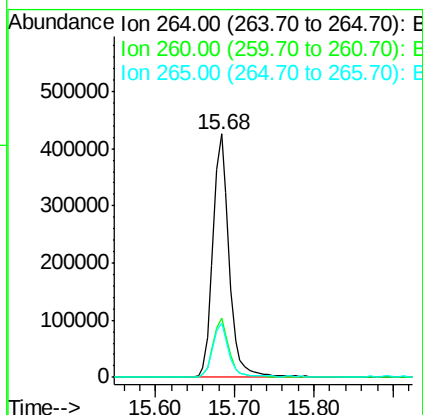
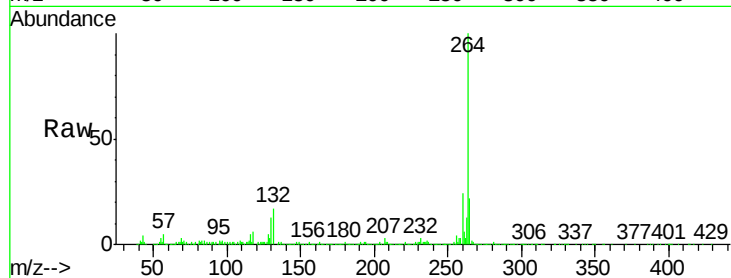


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.68 min Scan# 2269
Delta R.T. -0.02 min
Lab File: BF107616.D
Acq: 24 Jul 2018 14:04

Instrument :
BNA_F
ClientSampleId :
SB-1-A

Tgt Ion:264 Resp: 604964

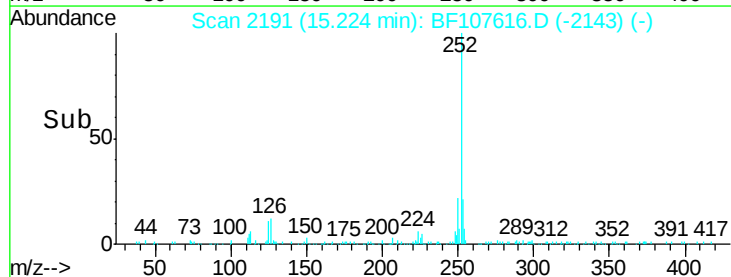
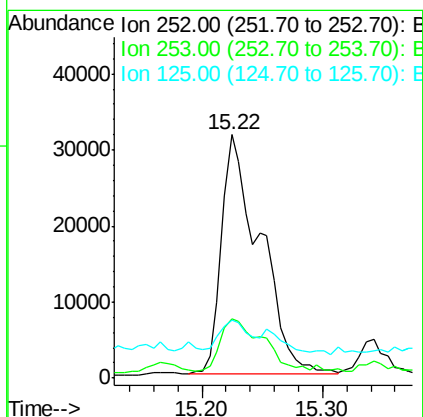
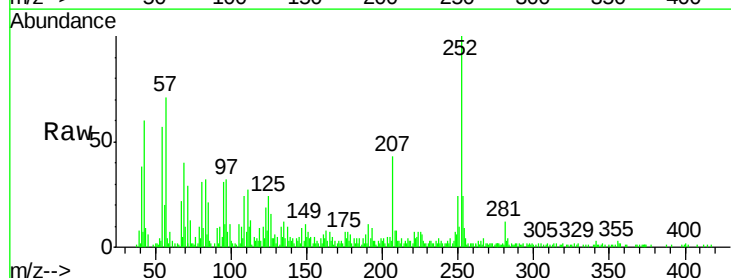
Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	22.2	17.5	26.3

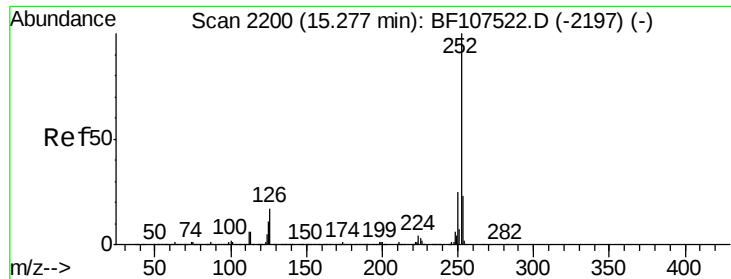


#87
Benzo(b)fluoranthene
Concen: 2.098 ng
RT: 15.22 min Scan# 2191
Delta R.T. -0.02 min
Lab File: BF107616.D
Acq: 24 Jul 2018 14:04

Tgt Ion:252 Resp: 69451

Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.0	25.6
125	23.8	9.0	13.6





#88

Benzo(k)fluoranthene

Concen: 2.141 ng

RT: 15.22 min Scan# 2191

Delta R.T. -0.05 min

Lab File: BF107616.D

Acq: 24 Jul 2018 14:04

Instrument :

BNA_F

ClientSampleId :

SB-1-A

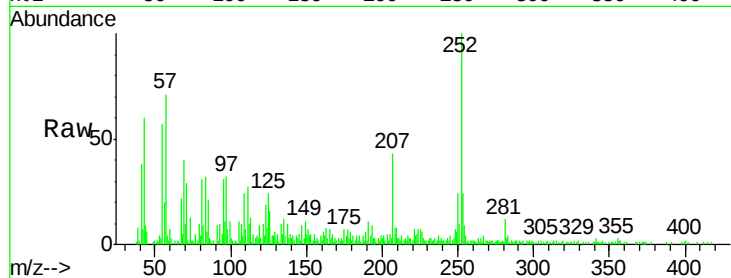
Tgt Ion:252 Resp: 69451

Ion Ratio Lower Upper

252 100

253 24.2 17.9 26.9

125 23.8 10.2 15.2#



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

