

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF072718\
 Data File : BF107764.D
 Acq On : 27 Jul 2018 23:31
 Operator : JU/SJ
 Sample : J4176-01 10X
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SV26835

Quant Time: Jul 28 01:19:41 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	6.96	152	131943	20.00	ng	-0.02
21) Naphthalene-d8	8.24	136	593443	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	240056	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	411952	20.00	ng	-0.02
75) Chrysene-d12	14.15	240	408815	20.00	ng	-0.02
86) Perylene-d12	15.68	264	349263	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.67	112	5113	0.62	ng	0.06
7) Phenol-d6	6.65	99	8911	0.90	ng	0.04
23) Nitrobenzene-d5	7.53	82	55730	6.34	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	23660	8.67	ng	-0.02
44) 2-Fluorobiphenyl	9.31	172	144152	4.35	ng	-0.02
78) Terphenyl-d14	13.08	244	108670	6.81	ng	-0.02

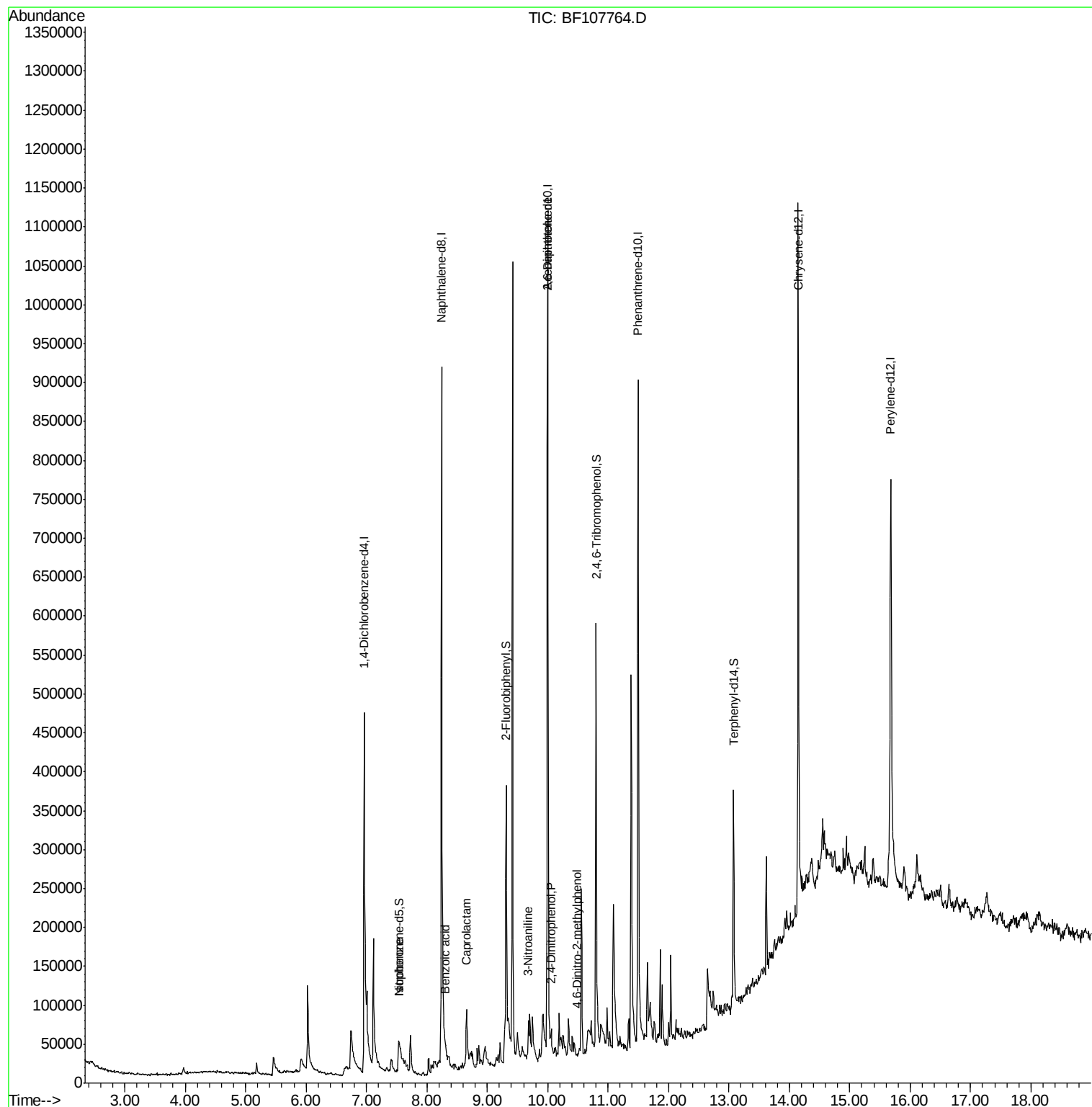
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.74	77	296	Below Cal	#	48
25) Isophorone	7.53	82	55730	2.968	ng	64
32) Benzoic acid	8.30	122	107	7.916	ng	90
35) Caprolactam	8.65	113	15498	5.790	ng	80
50) 2,6-Dinitrotoluene	10.00	165	28963	8.063	ng	27
52) 3-Nitroaniline	9.68	138	22969	5.256	ng	2
53) 2,4-Dinitrophenol	10.06	184	1736	9.690	ng	1
64) 4,6-Dinitro-2-methylphenol	10.49	198	327	8.815	ng	52
81) 3,3'-Dichlorobenzidine	14.08	252	565	Below Cal	#	38

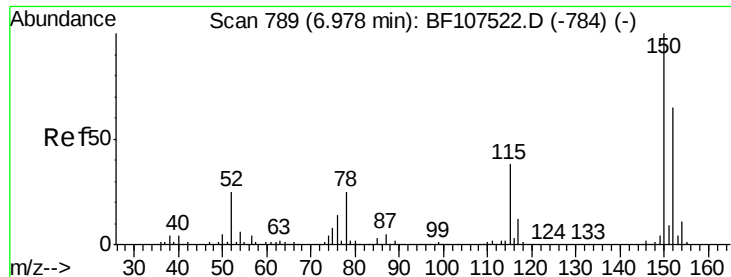
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.96 min Scan# 786

Delta R.T. -0.02 min

Lab File: BF107764.D

Acq: 27 Jul 2018 23:31

Instrument :

BNA_F

ClientSampleId :

SV26835

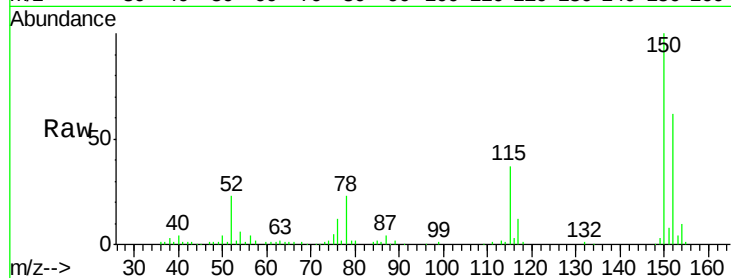
Tgt Ion:152 Resp: 131943

Ion Ratio Lower Upper

152 100

150 160.6 124.6 186.8

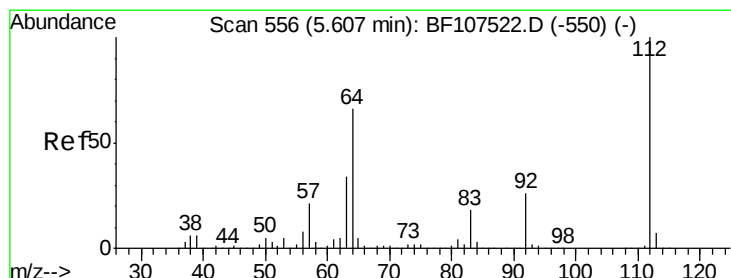
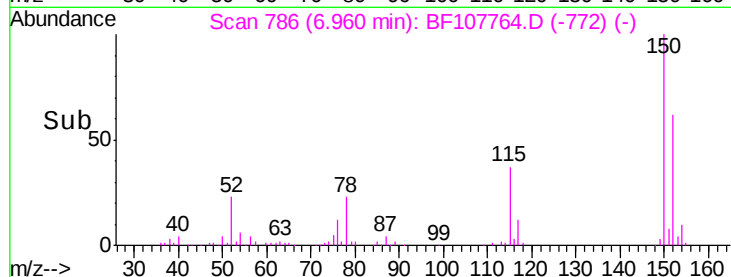
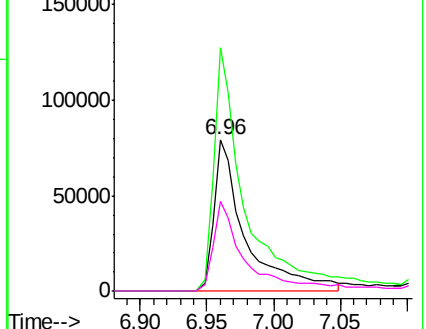
115 59.3 50.1 75.1



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: 0.623 ng

RT: 5.67 min Scan# 566

Delta R.T. 0.06 min

Lab File: BF107764.D

Acq: 27 Jul 2018 23:31

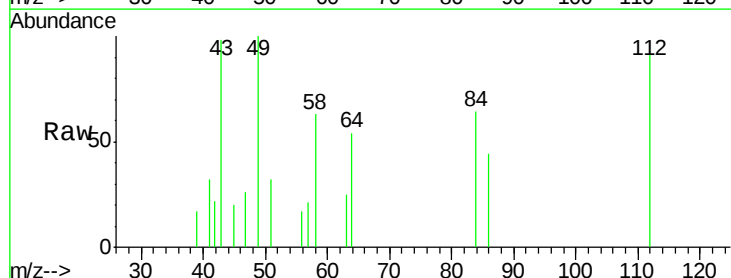
Tgt Ion:112 Resp: 5113

Ion Ratio Lower Upper

112 100

64 58.2 47.9 71.9

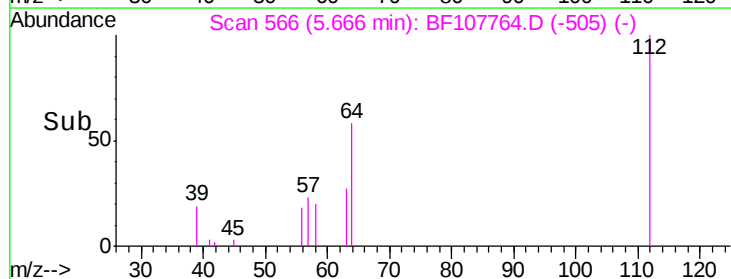
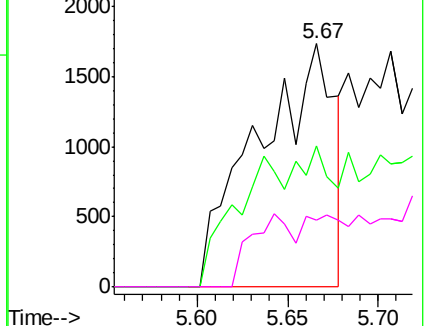
63 27.3 23.7 35.5

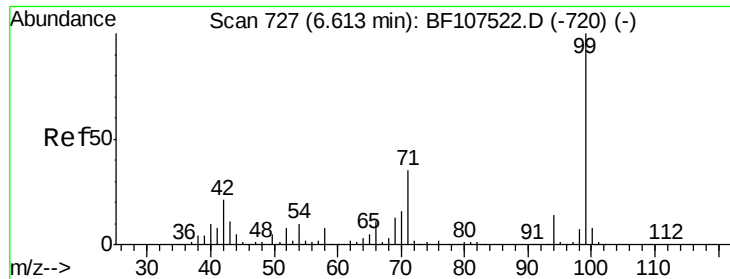


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 0.904 ng

RT: 6.65 min Scan# 734

Delta R.T. 0.04 min

Lab File: BF107764.D

Acq: 27 Jul 2018 23:31

Instrument :

BNA_F

ClientSampleId :

SV26835

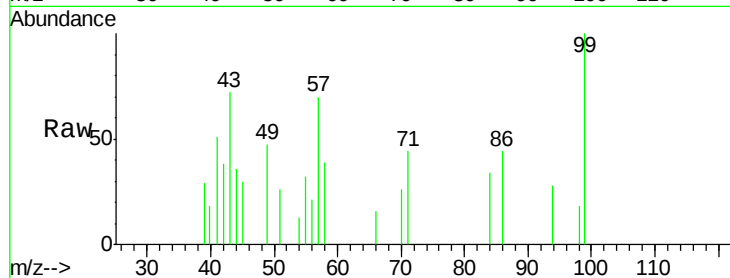
Tgt Ion: 99 Resp: 8911

Ion Ratio Lower Upper

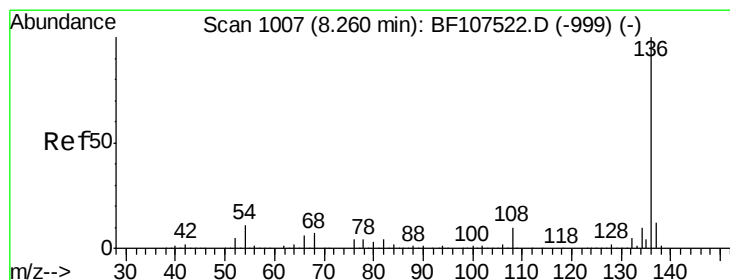
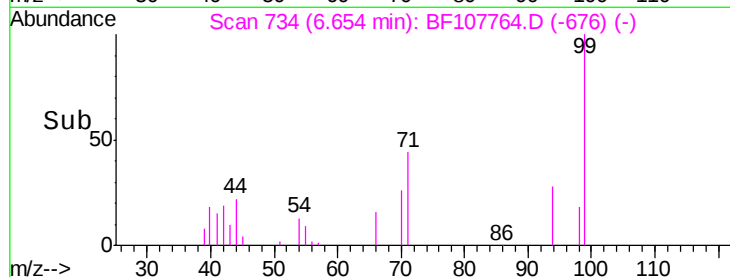
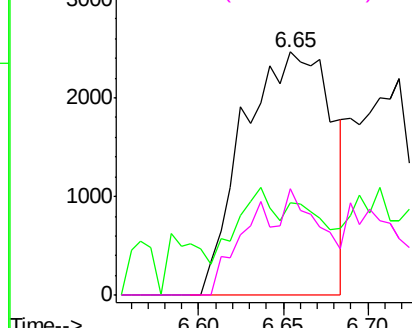
99 100

42 38.2 14.5 21.7#

71 44.0 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.24 min Scan# 1004

Delta R.T. -0.02 min

Lab File: BF107764.D

Acq: 27 Jul 2018 23:31

Tgt Ion: 136 Resp: 593443

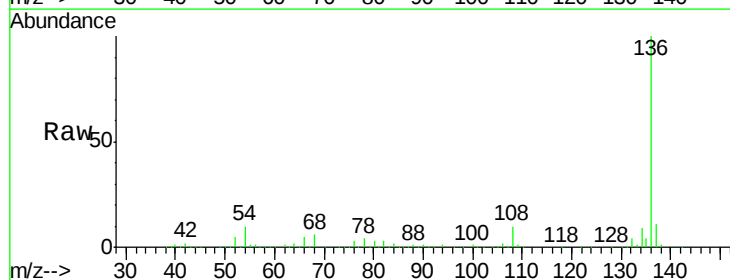
Ion Ratio Lower Upper

136 100

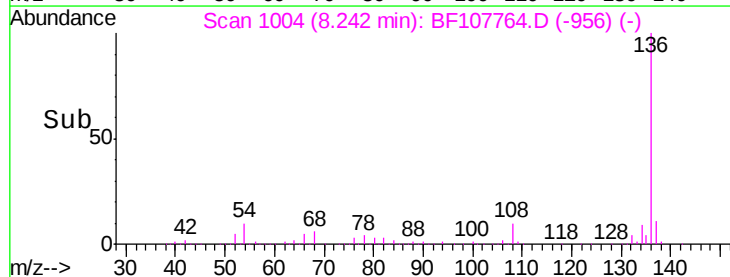
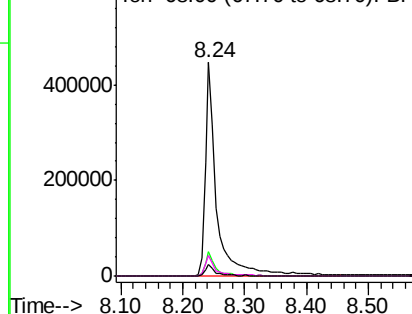
137 11.5 8.9 13.3

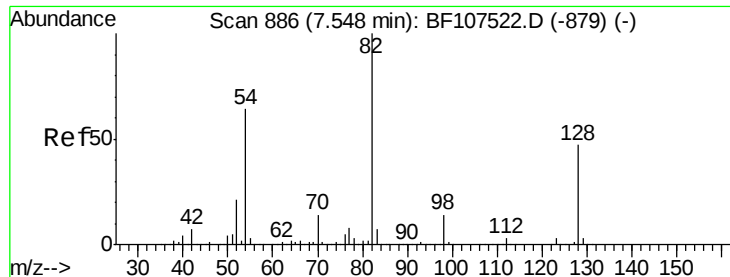
54 9.7 6.6 9.8

68 5.7 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

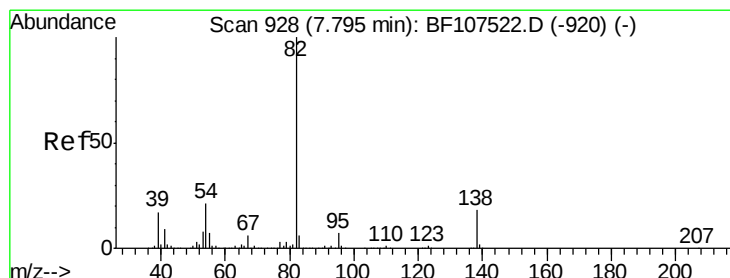
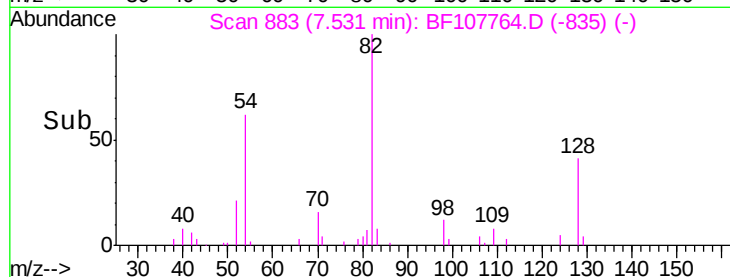
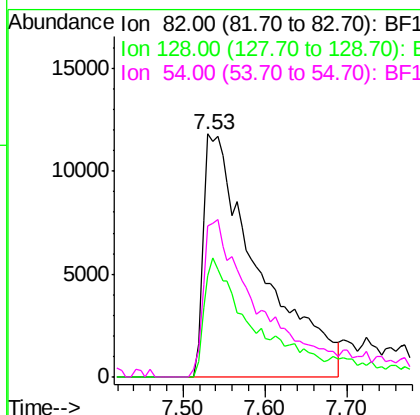
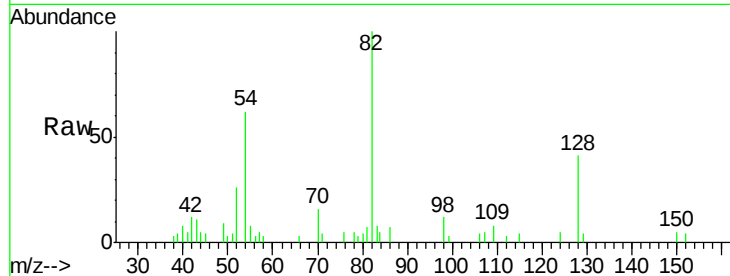




#23
 Nitrobenzene-d5
 Concen: 6.338 ng
 RT: 7.53 min Scan# 883
 Delta R.T. -0.02 min
 Lab File: BF107764.D
 Acq: 27 Jul 2018 23:31

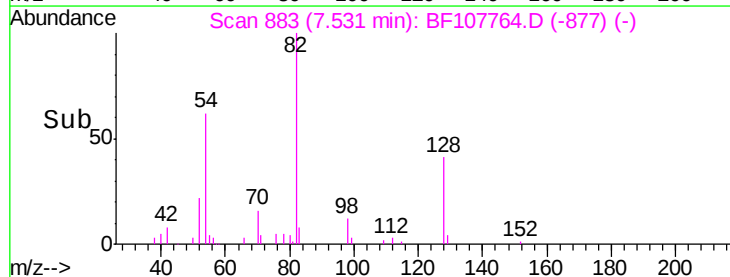
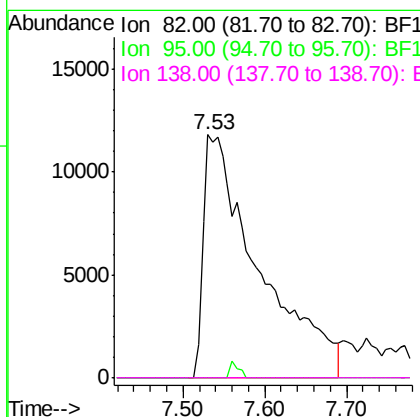
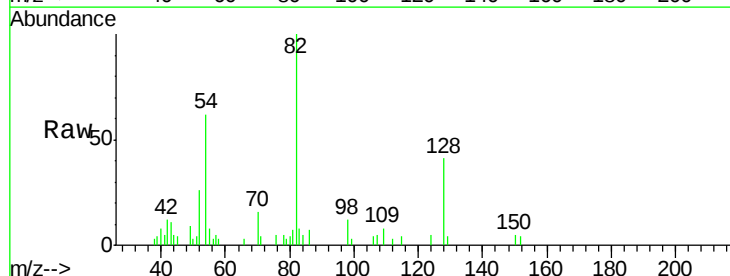
Instrument :
 BNA_F
 ClientSampleId :
 SV26835

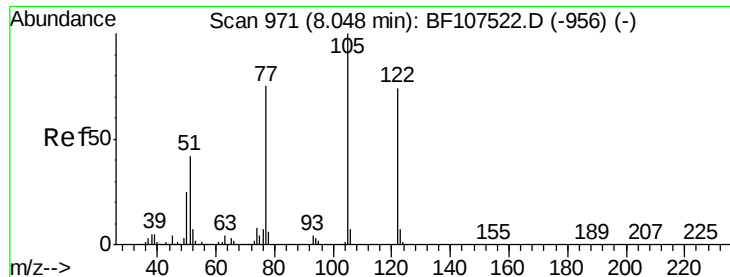
Tgt Ion: 82 Resp: 55730
 Ion Ratio Lower Upper
 82 100
 128 41.5 36.1 54.1
 54 62.4 41.4 62.2#



#25
 Isophorone
 Concen: 2.968 ng
 RT: 7.53 min Scan# 883
 Delta R.T. -0.26 min
 Lab File: BF107764.D
 Acq: 27 Jul 2018 23:31

Tgt Ion: 82 Resp: 55730
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#





#32

Benzoic acid

Concen: 7.916 ng

RT: 8.30 min Scan# 1014

Delta R.T. 0.25 min

Lab File: BF107764.D

Acq: 27 Jul 2018 23:31

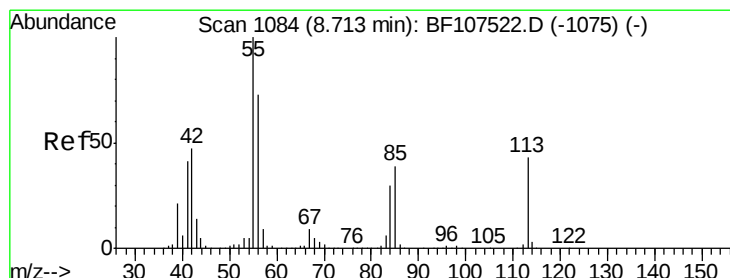
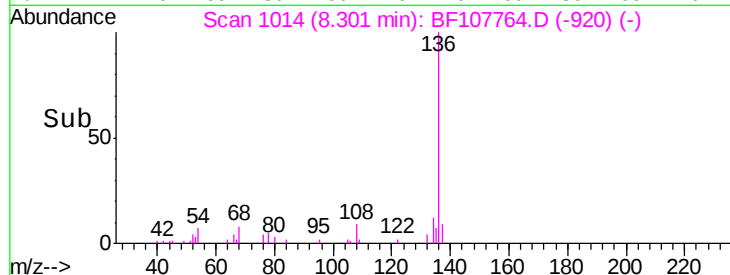
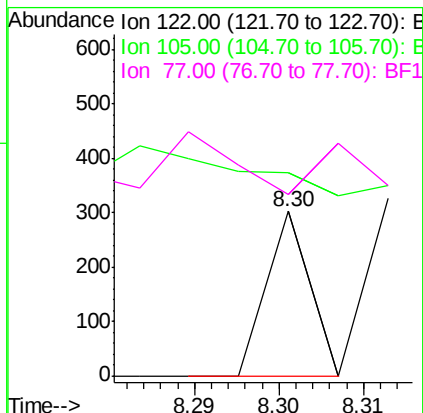
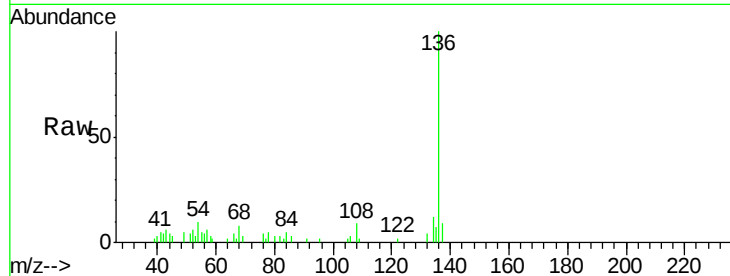
Instrument :

BNA_F

ClientSampleId :

SV26835

Tgt Ion:	122	Resp:	107
Ion	Ratio	Lower	Upper
122	100		
105	123.5	101.1	141.1
77	109.9	70.7	110.7



#35

Caprolactam

Concen: 5.790 ng

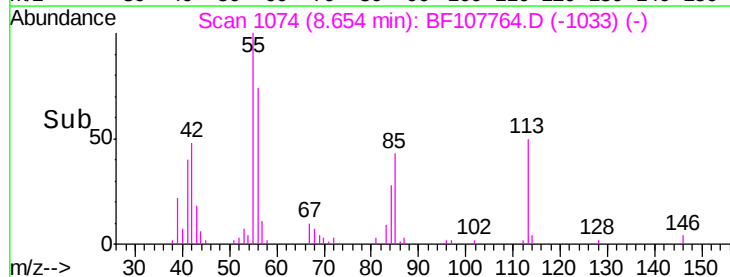
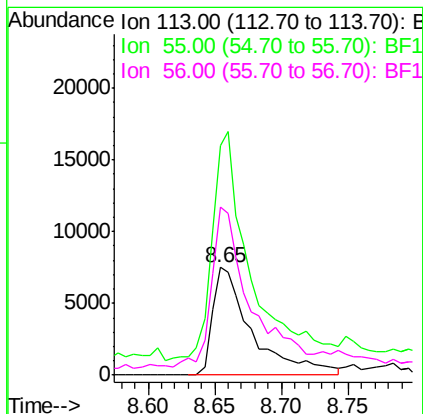
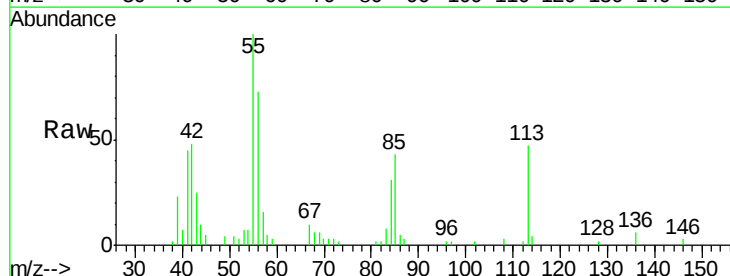
RT: 8.65 min Scan# 1074

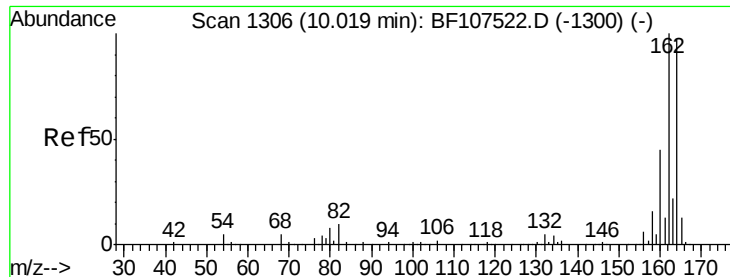
Delta R.T. -0.06 min

Lab File: BF107764.D

Acq: 27 Jul 2018 23:31

Tgt Ion:	113	Resp:	15498
Ion	Ratio	Lower	Upper
113	100		
55	214.1	163.3	203.3#
56	156.8	115.7	155.7#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1303

Delta R.T. -0.02 min

Lab File: BF107764.D

Acq: 27 Jul 2018 23:31

Instrument :

BNA_F

ClientSampleId :

SV26835

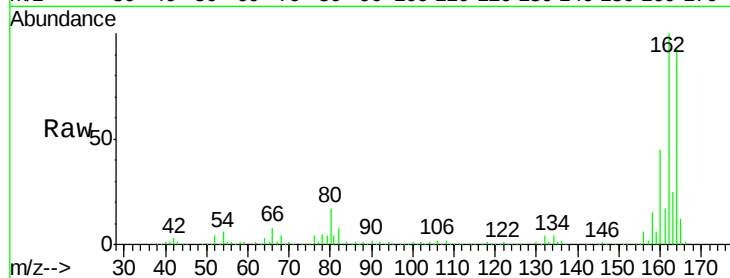
Tgt Ion:164 Resp: 240056

Ion Ratio Lower Upper

164 100

162 107.3 86.1 129.1

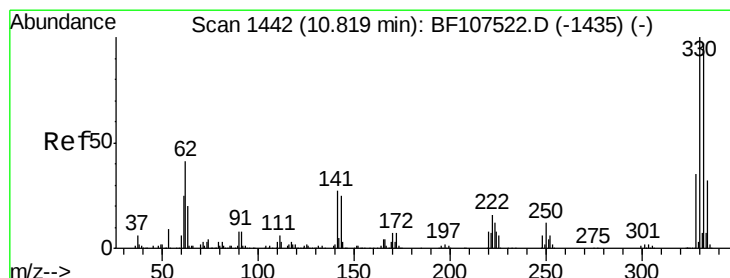
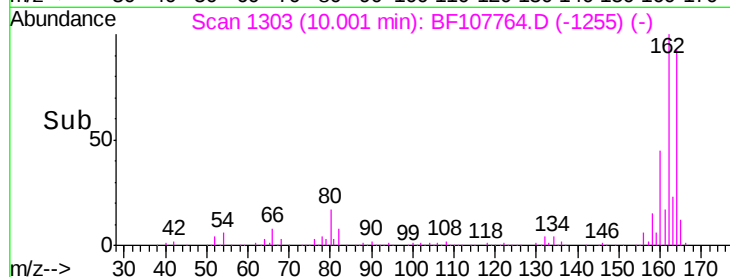
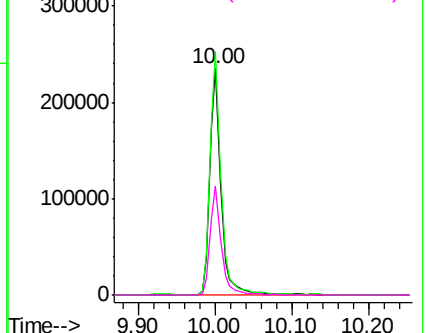
160 47.9 38.3 57.5



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: 8.667 ng

RT: 10.80 min Scan# 1438

Delta R.T. -0.02 min

Lab File: BF107764.D

Acq: 27 Jul 2018 23:31

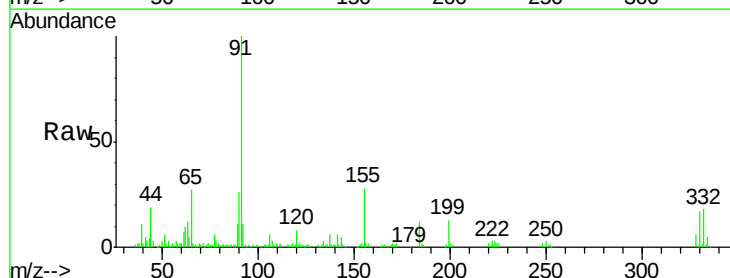
Tgt Ion:330 Resp: 23660

Ion Ratio Lower Upper

330 100

332 96.3 77.0 115.6

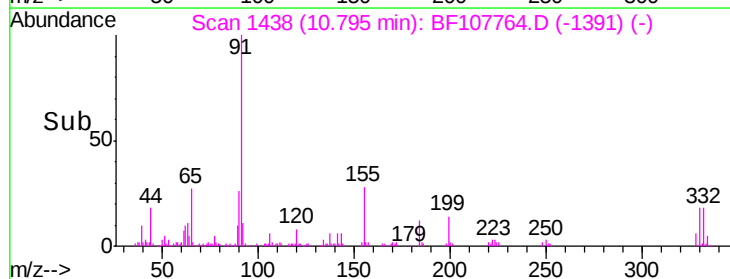
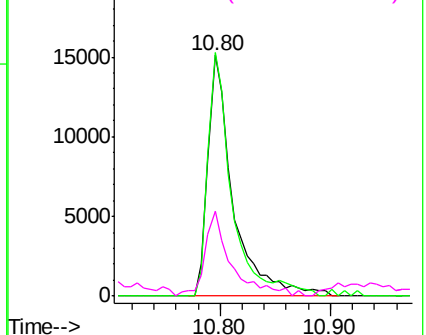
141 36.8 29.9 44.9

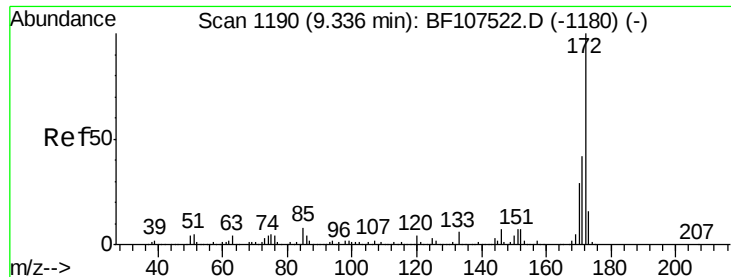


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

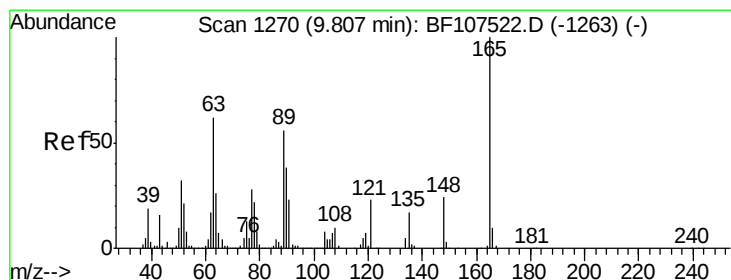
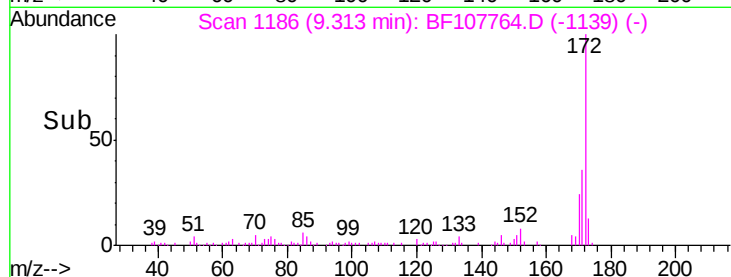
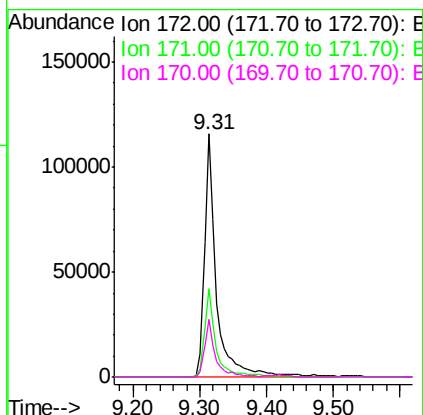
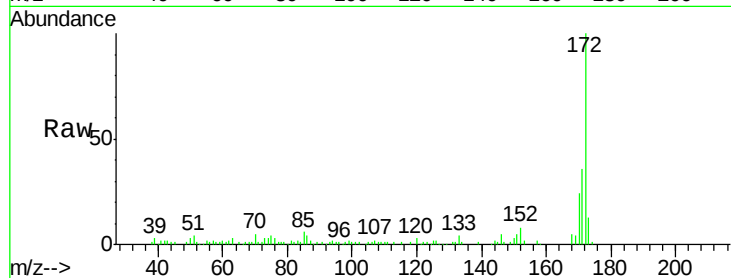




#44
2-Fluorobiphenyl
Concen: 4.346 ng
RT: 9.31 min Scan# 1186
Delta R.T. -0.02 min
Lab File: BF107764.D
Acq: 27 Jul 2018 23:31

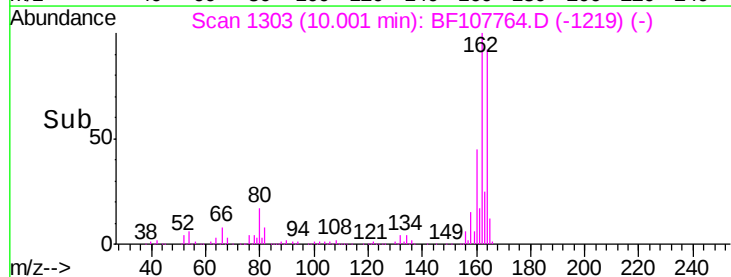
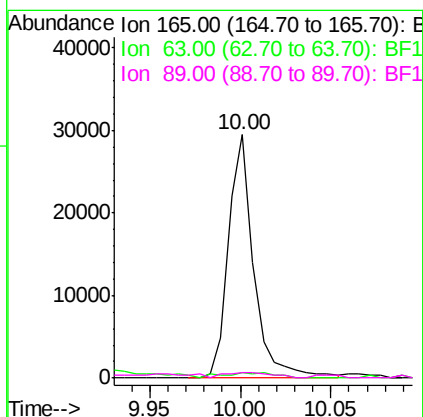
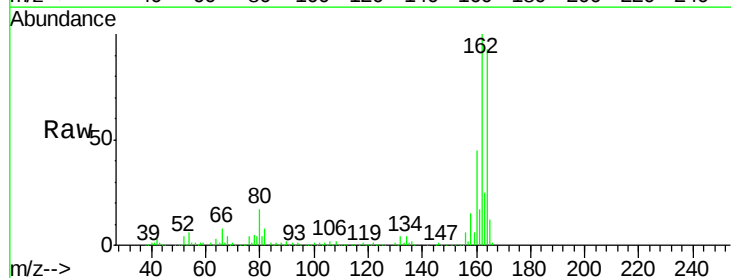
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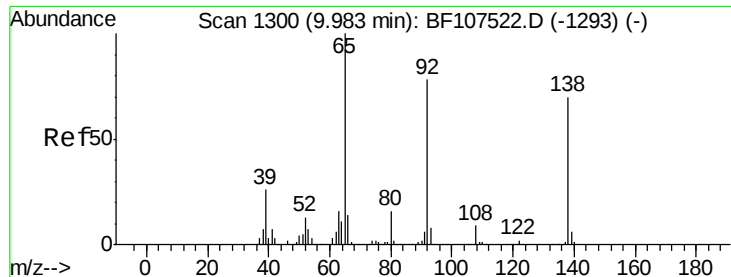
Tgt Ion:172 Resp: 144152
Ion Ratio Lower Upper
172 100
171 36.4 29.7 44.5
170 23.6 19.6 29.4



#50
2,6-Dinitrotoluene
Concen: 8.063 ng
RT: 10.00 min Scan# 1303
Delta R.T. 0.19 min
Lab File: BF107764.D
Acq: 27 Jul 2018 23:31

Tgt Ion:165 Resp: 28963
Ion Ratio Lower Upper
165 100
63 2.1 44.7 67.1#
89 2.5 44.0 66.0#





#52

3-Nitroaniline

Concen: 5.256 ng

RT: 9.68 min Scan# 1249

Delta R.T. -0.30 min

Lab File: BF107764.D

Acq: 27 Jul 2018 23:31

Instrument :

BNA_F

ClientSampleId :

SV26835

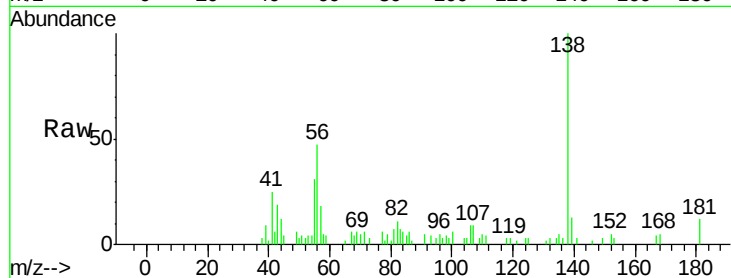
Tgt Ion:138 Resp: 22969

Ion Ratio Lower Upper

138 100

108 0.0 9.4 14.0#

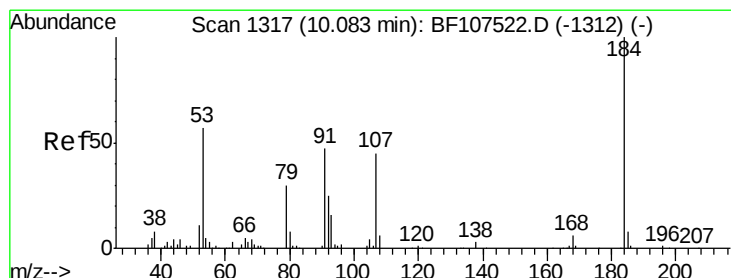
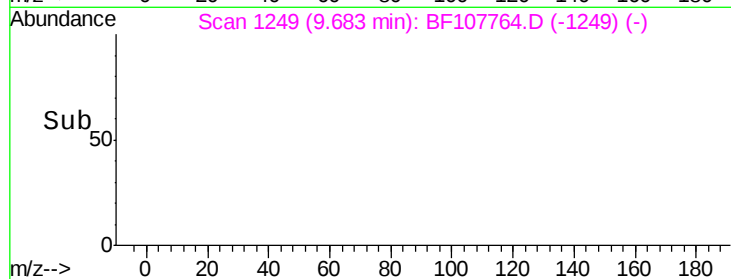
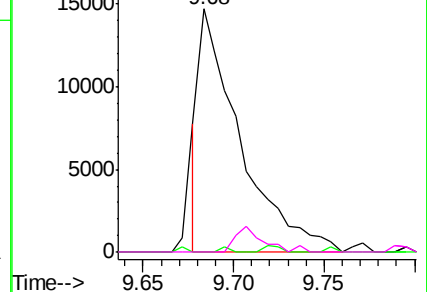
92 0.0 89.4 134.2#



Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#53

2,4-Dinitrophenol

Concen: 9.690 ng

RT: 10.06 min Scan# 1313

Delta R.T. -0.02 min

Lab File: BF107764.D

Acq: 27 Jul 2018 23:31

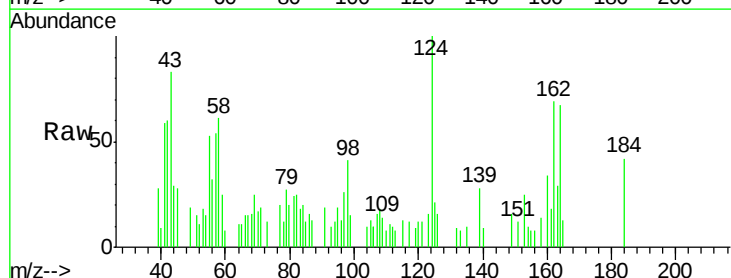
Tgt Ion:184 Resp: 1736

Ion Ratio Lower Upper

184 100

63 0.0 54.2 81.2#

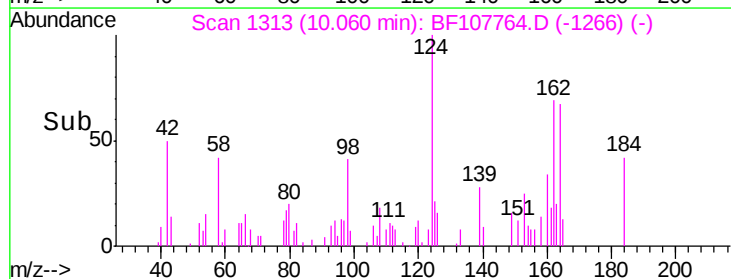
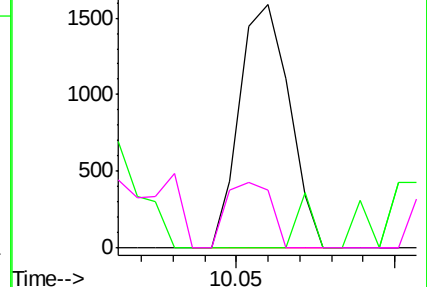
154 24.1 184.0 276.0#

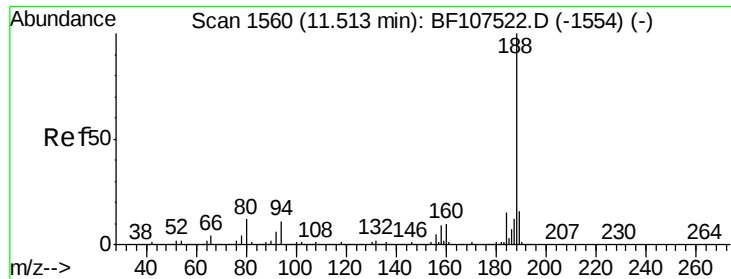


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.49 min Scan# 1557

Delta R.T. -0.02 min

Lab File: BF107764.D

Acq: 27 Jul 2018 23:31

Instrument :

BNA_F

ClientSampleId :

SV26835

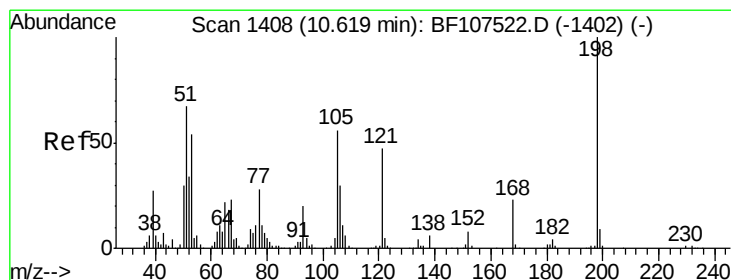
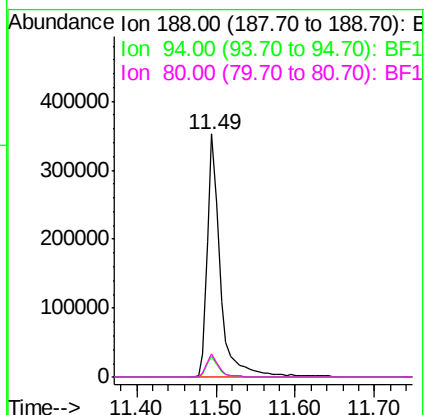
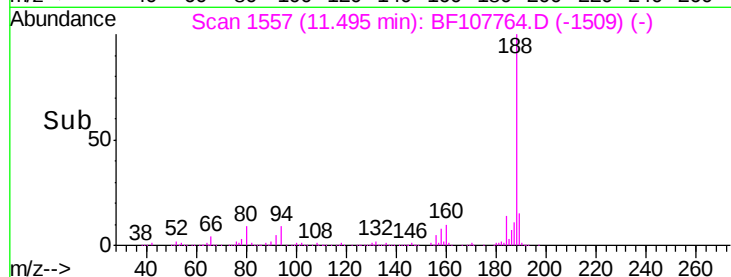
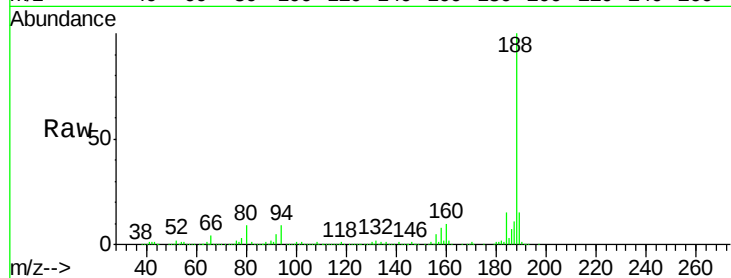
Tgt Ion:188 Resp: 411952

Ion Ratio Lower Upper

188 100

94 8.7 8.5 12.7

80 9.5 9.2 13.8



#64

4,6-Dinitro-2-methylphenol

Concen: 8.815 ng

RT: 10.49 min Scan# 1386

Delta R.T. -0.13 min

Lab File: BF107764.D

Acq: 27 Jul 2018 23:31

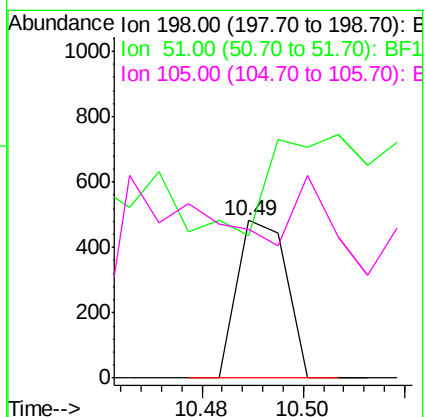
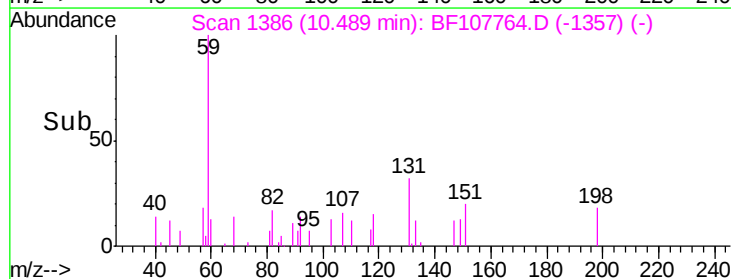
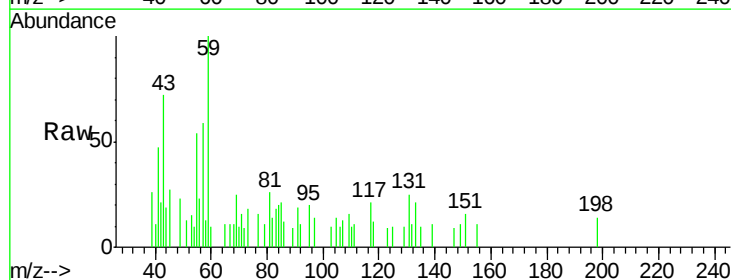
Tgt Ion:198 Resp: 327

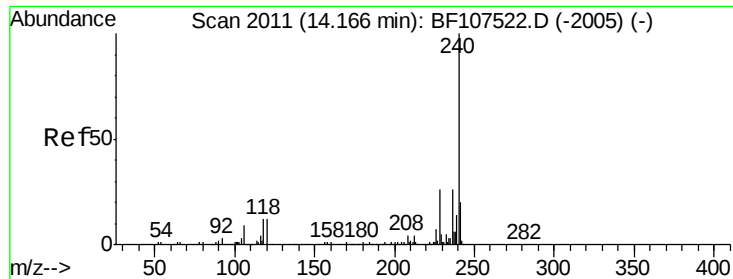
Ion Ratio Lower Upper

198 100

51 90.5 37.7 77.7#

105 94.6 36.3 76.3#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2008

Delta R.T. -0.02 min

Lab File: BF107764.D

Acq: 27 Jul 2018 23:31

Instrument :

BNA_F

ClientSampleId :

SV26835

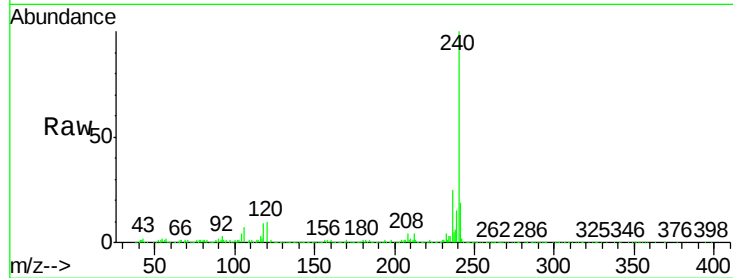
Tgt Ion:240 Resp: 408815

Ion Ratio Lower Upper

240 100

120 10.2 9.5 14.3

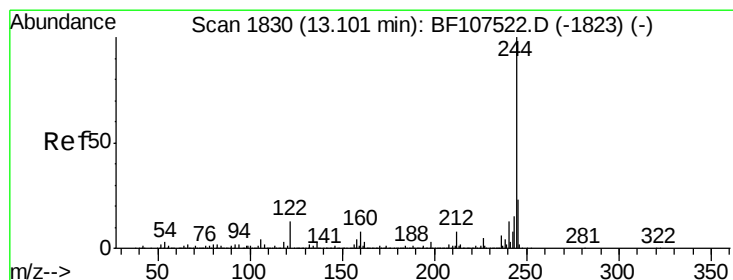
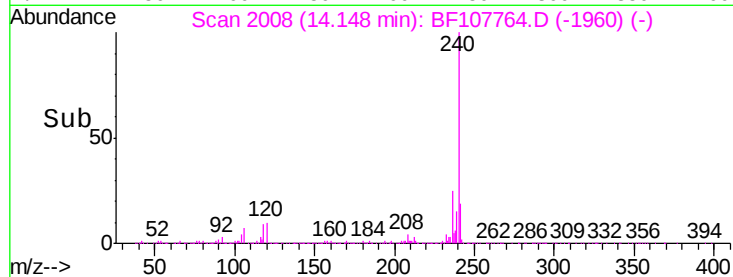
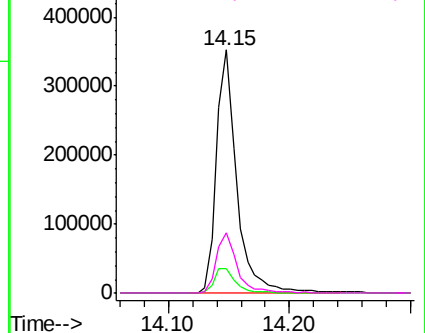
236 25.0 20.7 31.1



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: 6.805 ng

RT: 13.08 min Scan# 1826

Delta R.T. -0.02 min

Lab File: BF107764.D

Acq: 27 Jul 2018 23:31

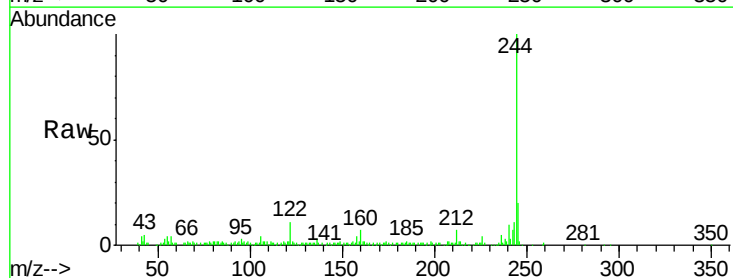
Tgt Ion:244 Resp: 108670

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

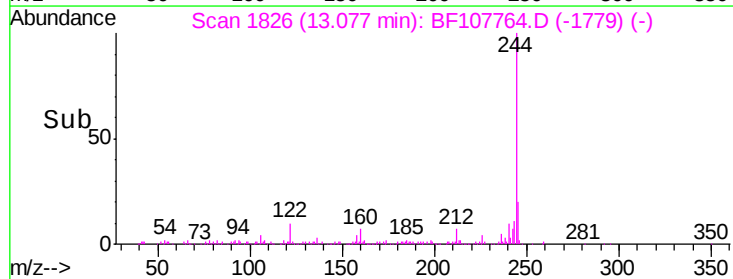
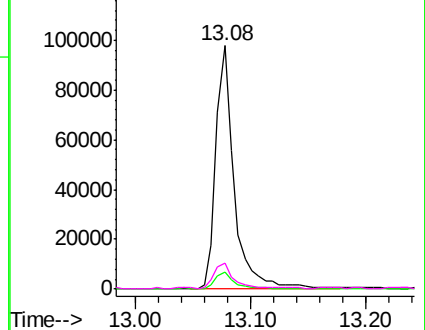
122 10.8 11.0 16.4#

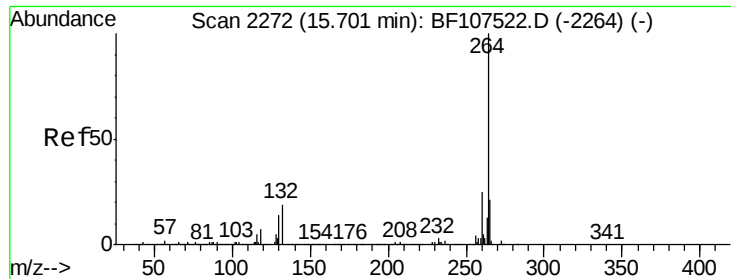


Abundance Ion 244.00 (243.70 to 244.70): E

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# 2268
Delta R.T. -0.02 min
Lab File: BF107764.D
Acq: 27 Jul 2018 23:31

Instrument :
BNA_F
ClientSampleId :
SV26835

Tgt Ion: 264 Resp: 349263
Ion Ratio Lower Upper
264 100
260 23.5 19.2 28.8
265 21.4 17.5 26.3

