

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072718\
 Data File : BF107744.D
 Acq On : 27 Jul 2018 14:33
 Operator : JU/SJ
 Sample : J4180-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 27 17:07:48 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

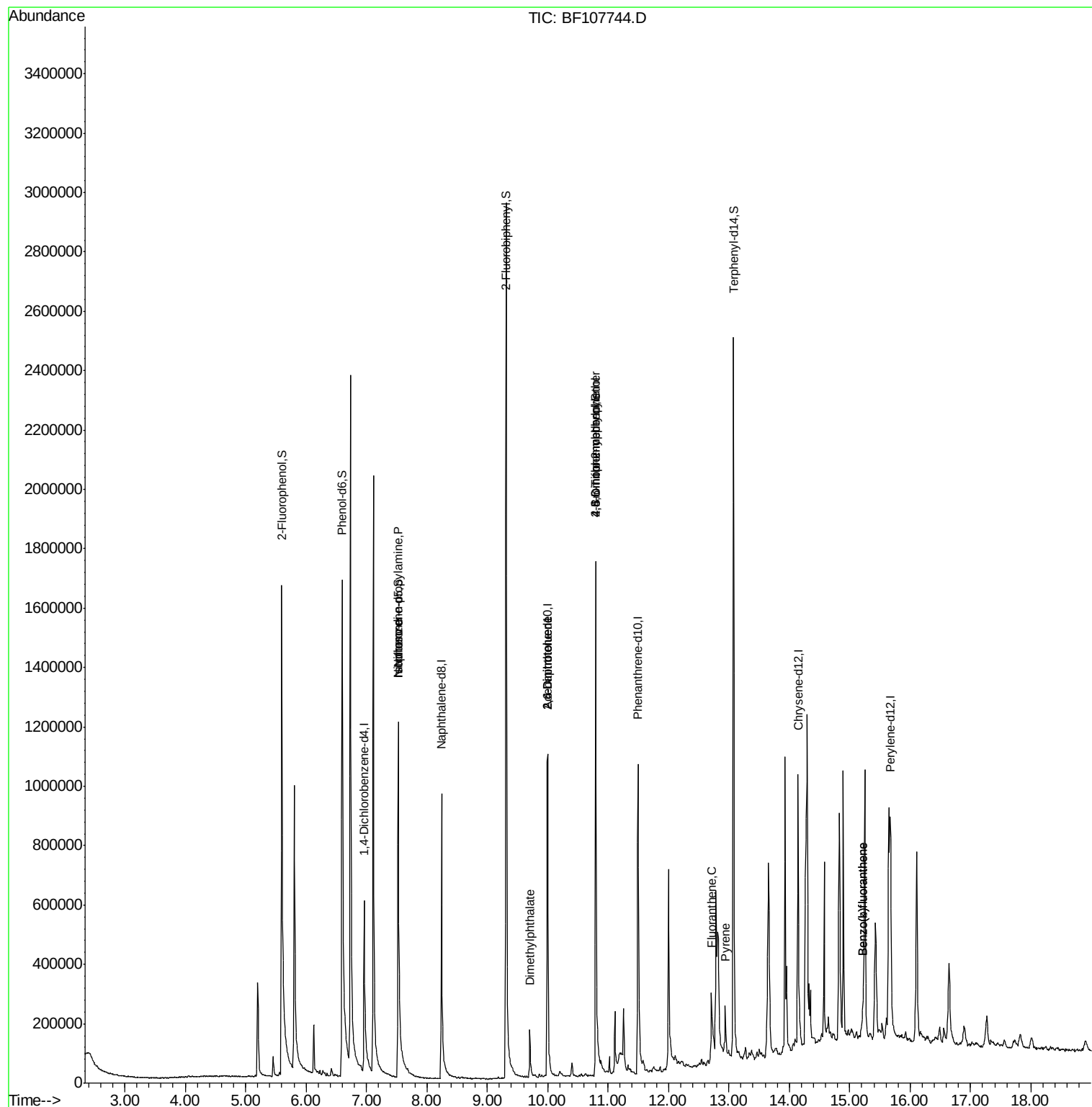
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	164163	20.00	ng	-0.02
21) Naphthalene-d8	8.24	136	655571	20.00	ng	-0.02
38) Acenaphthene-d10	10.00	164	288271	20.00	ng	-0.02
63) Phenanthrene-d10	11.50	188	548184	20.00	ng	-0.02
75) Chrysene-d12	14.14	240	398124	20.00	ng	-0.02
86) Perylene-d12	15.67	264	460216	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	818384	80.15	ng	-0.01
7) Phenol-d6	6.60	99	1105892	90.20	ng	-0.02
23) Nitrobenzene-d5	7.52	82	657177	67.65	ng	-0.02
41) 2,4,6-Tribromophenol	10.80	330	318641	97.20	ng	-0.02
44) 2-Fluorobiphenyl	9.31	172	1193938	66.77	ng	-0.02
78) Terphenyl-d14	13.08	244	970601	62.41	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.52	70	82632	10.433	ng	# 81
25) Isophorone	7.52	82	657177	31.685	ng	# 64
49) Dimethylphthalate	9.71	163	90825	4.180	ng	# 98
50) 2,6-Dinitrotoluene	10.00	165	35562	8.244	ng	# 26
56) 2,4-Dinitrotoluene	10.00	165	36636	7.036	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.79	198	519	8.841	ng	# 1
66) 4-Bromophenyl-phenylether	10.80	248	18658	2.891	ng	# 1
73) Di-n-butylphthalate	12.04	149	9146	Below Cal		# 91
74) Fluoranthene	12.71	202	88716	3.095	ng	# 98
77) Pyrene	12.94	202	91465	3.359	ng	# 97
81) 3,3'-Dichlorobenzidine	14.14	252	128	Below Cal		# 1
87) Benzo(b)fluoranthene	15.22	252	69480	2.759	ng	# 95
88) Benzo(k)fluoranthene	15.22	252	69480	2.816	ng	# 94

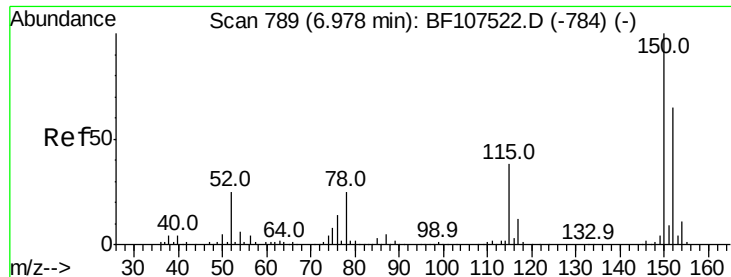
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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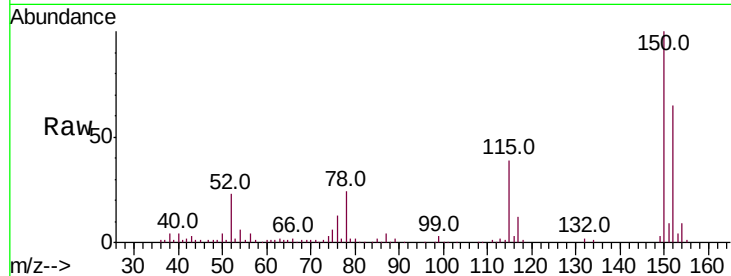


#1

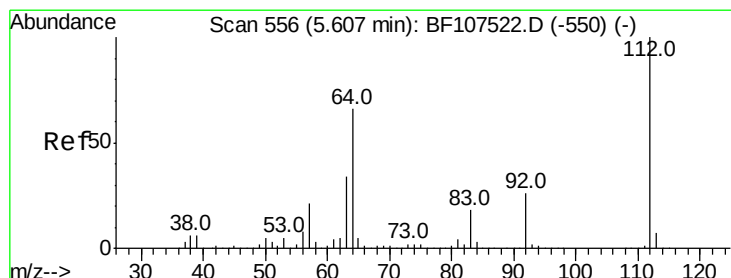
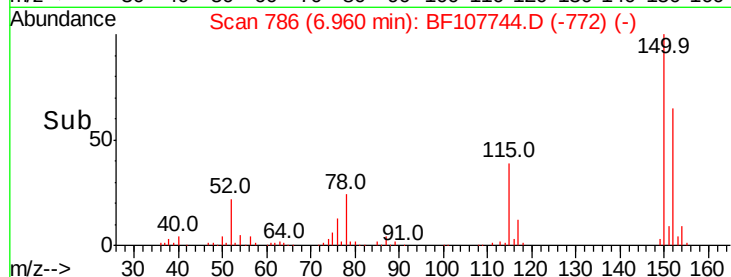
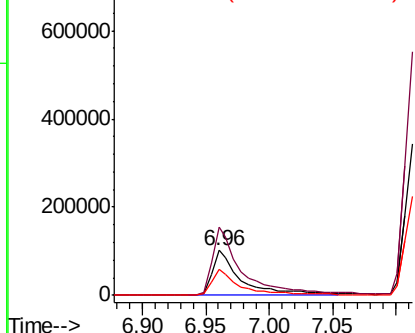
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.02 min
Lab File: BF107744.D
Acq: 27 Jul 2018 14:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 164163
Ion Ratio Lower Upper
152 100
150 153.8 124.6 186.8
115 59.5 50.1 75.1



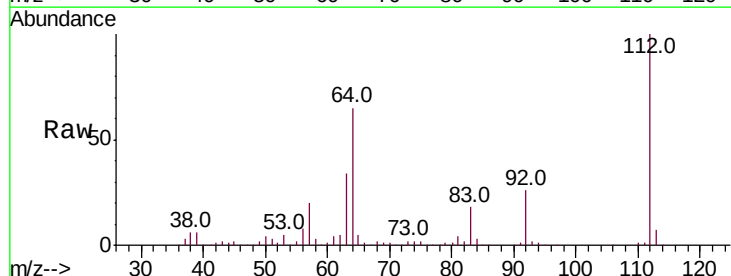
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



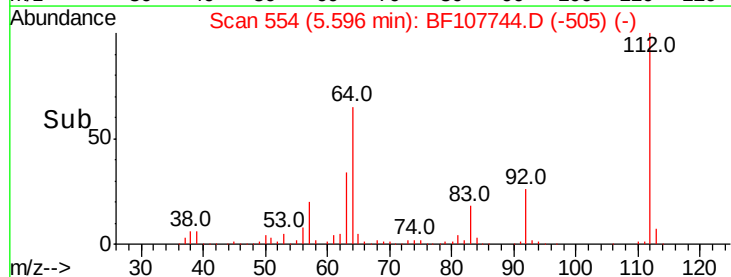
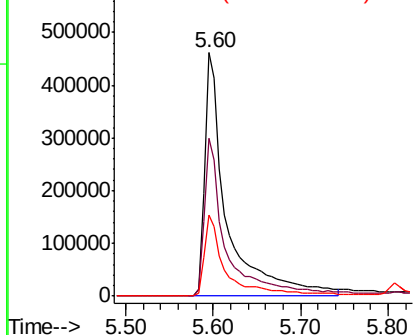
#5

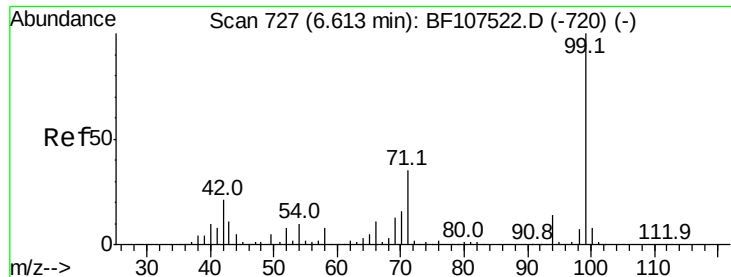
2-Fluorophenol
Concen: 80.152 ng
RT: 5.60 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF107744.D
Acq: 27 Jul 2018 14:33

Tgt Ion:112 Resp: 818384
Ion Ratio Lower Upper
112 100
64 65.1 47.9 71.9
63 33.5 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: 90.204 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.02 min

Lab File: BF107744.D

Acq: 27 Jul 2018 14:33

Instrument :

BNA_F

ClientSampleId :

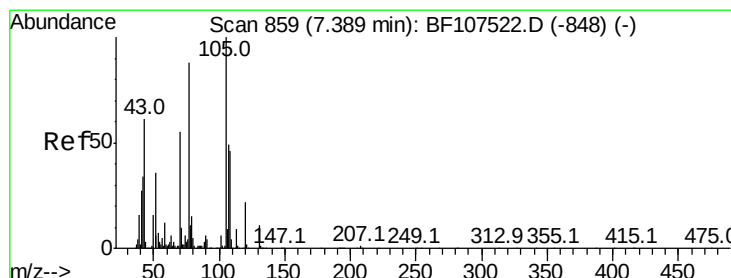
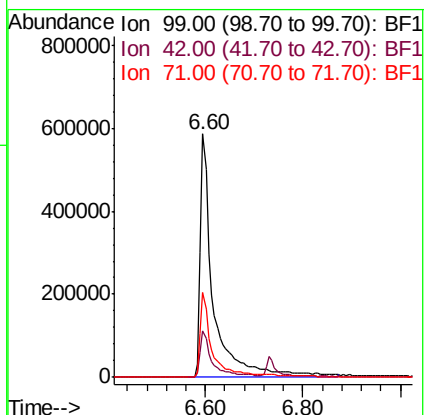
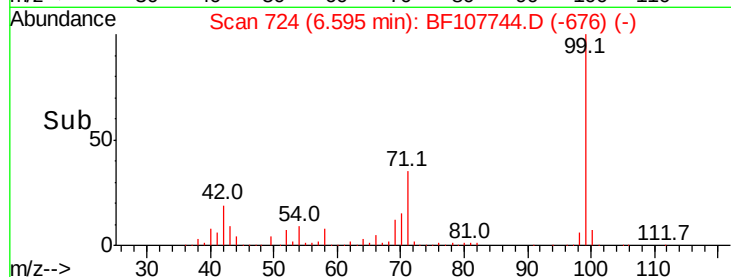
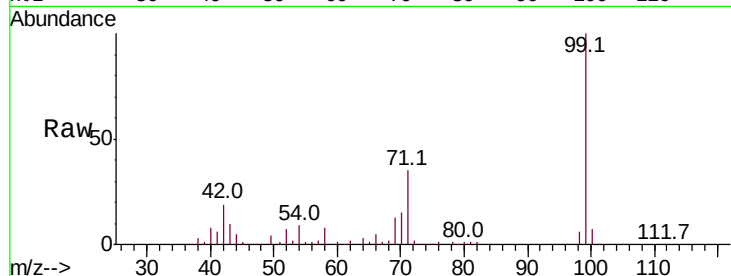
Tot Ion: 99 Resp: 1105892

Ion Ratio Lower Upper

99 100

42 19.4 14.5 21.7

71 34.9 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 10.433 ng

RT: 7.52 min Scan# 882

Delta R.T. 0.14 min

Lab File: BF107744.D

Acq: 27 Jul 2018 14:33

Tgt Ion: 70 Resp: 82632

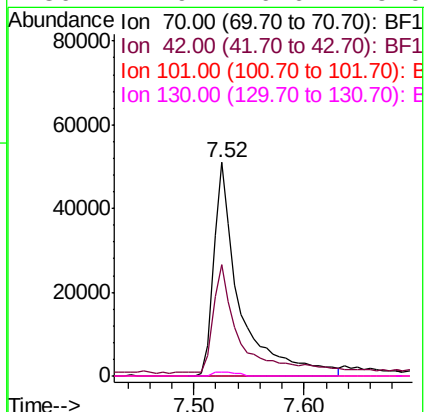
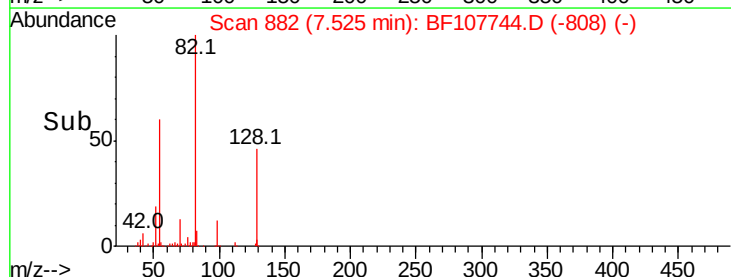
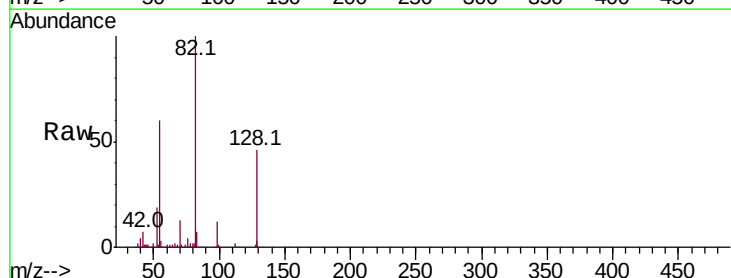
Ion Ratio Lower Upper

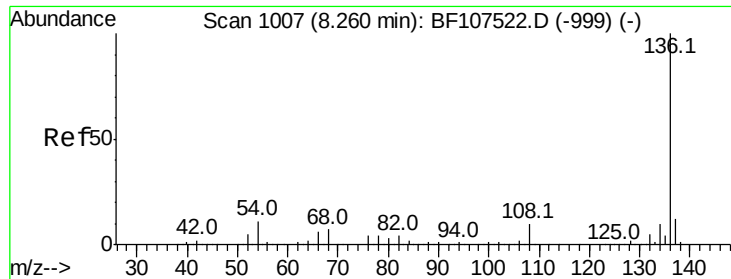
70 100

42 52.0 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

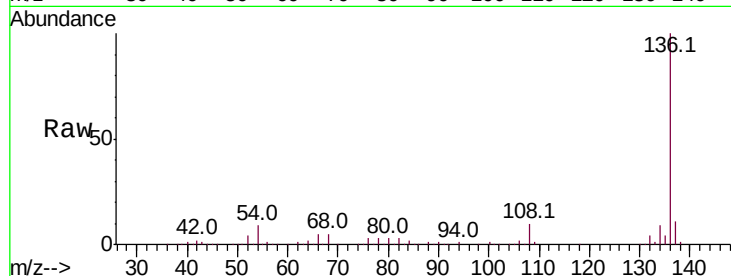




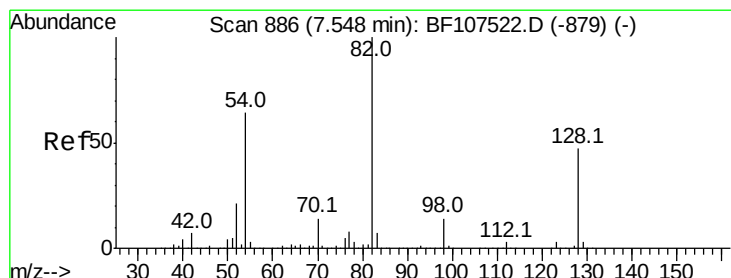
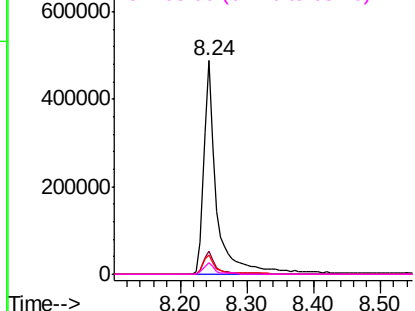
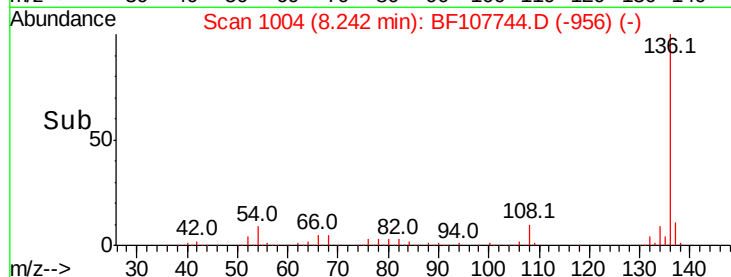
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.02 min
Lab File: BF107744.D
Acq: 27 Jul 2018 14:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	655571
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	9.0	6.6	9.8
68	5.2	5.0	7.4

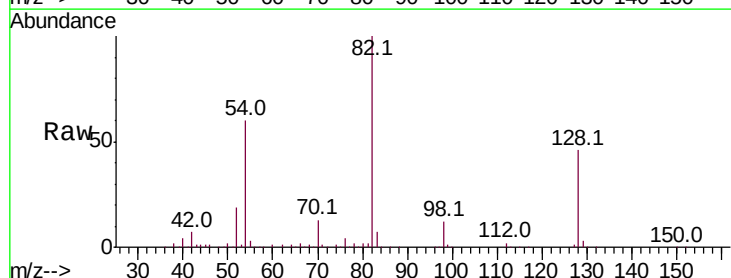


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

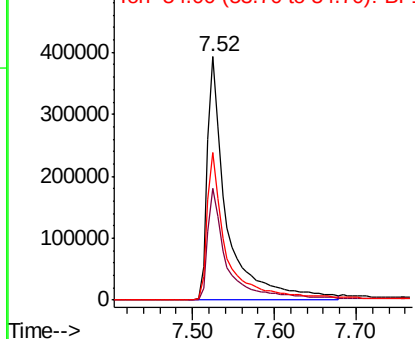
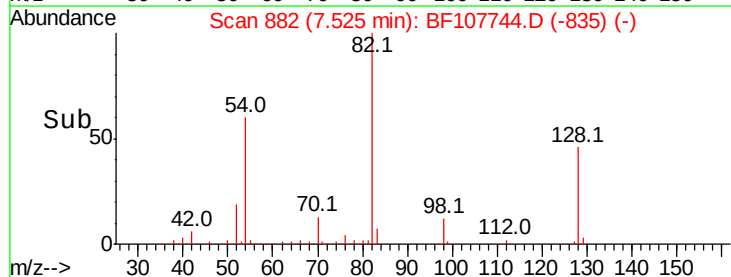


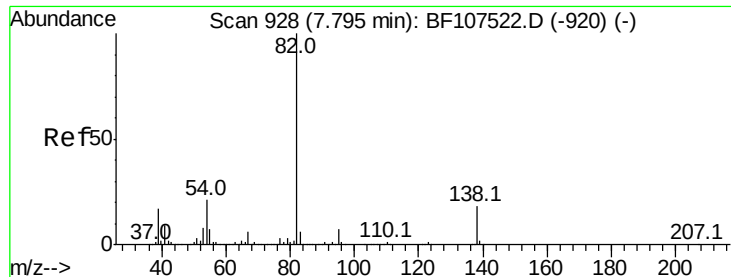
#23
Nitrobenzene-d5
Concen: 67.653 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.02 min
Lab File: BF107744.D
Acq: 27 Jul 2018 14:33

Tgt Ion:	82	Resp:	657177
Ion	Ratio	Lower	Upper
82	100		
128	46.1	36.1	54.1
54	60.4	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: 31.685 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.27 min

Lab File: BF107744.D

Acq: 27 Jul 2018 14:33

Instrument :

BNA_F

ClientSampleId :

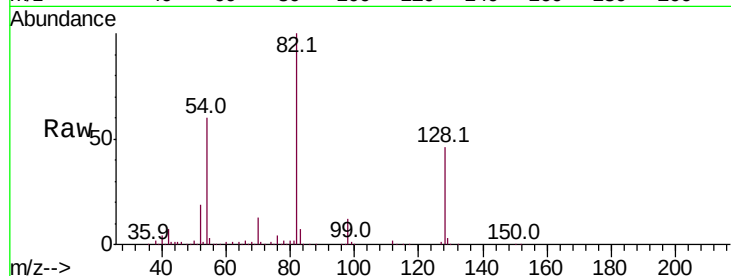
Tot Ion: 82 Resp: 657177

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

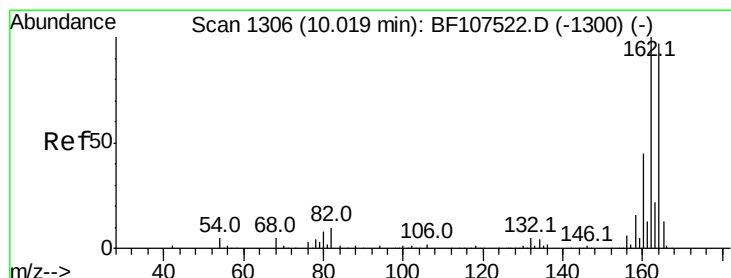
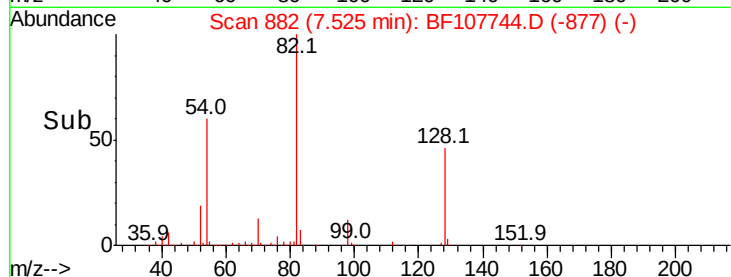
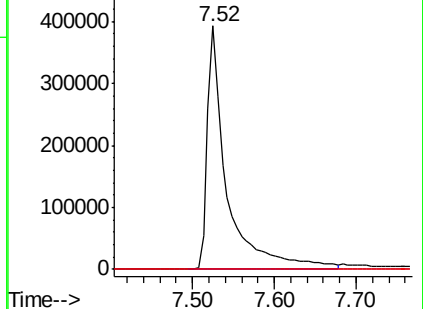
138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.00 min Scan# 1302

Delta R.T. -0.02 min

Lab File: BF107744.D

Acq: 27 Jul 2018 14:33

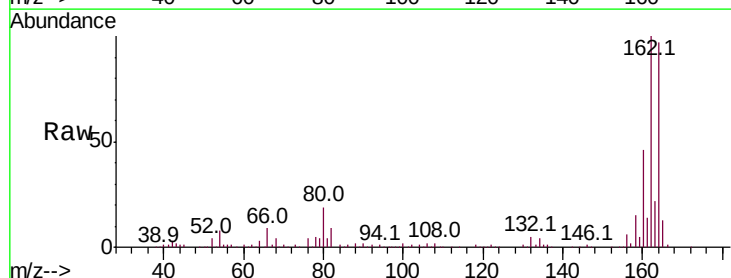
Tgt Ion:164 Resp: 288271

Ion Ratio Lower Upper

164 100

162 102.8 86.1 129.1

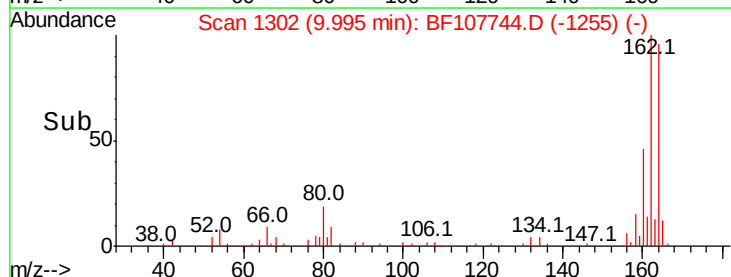
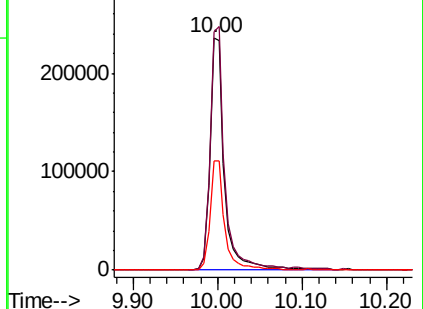
160 46.8 38.3 57.5

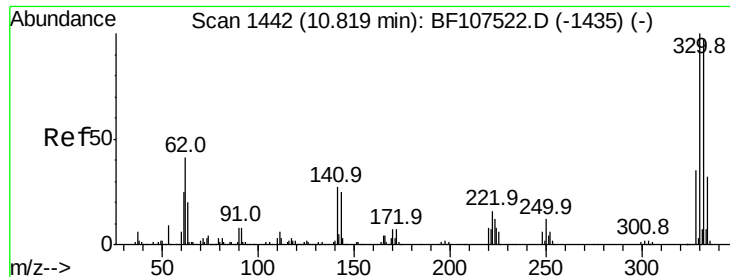


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

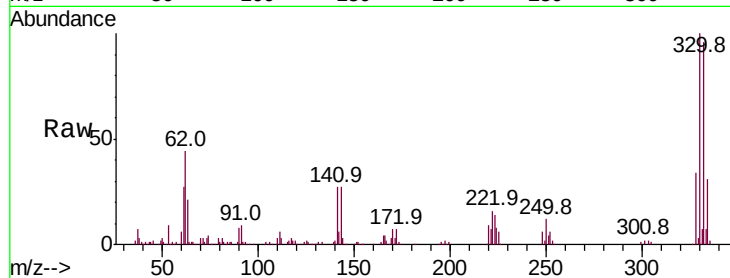




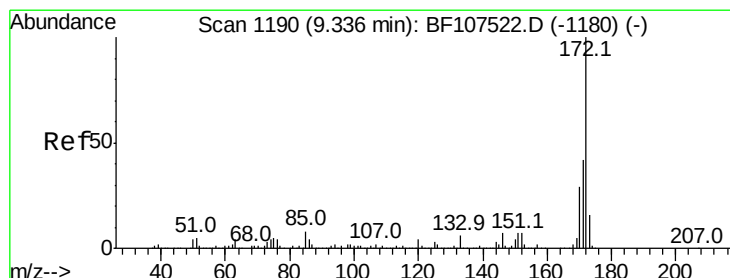
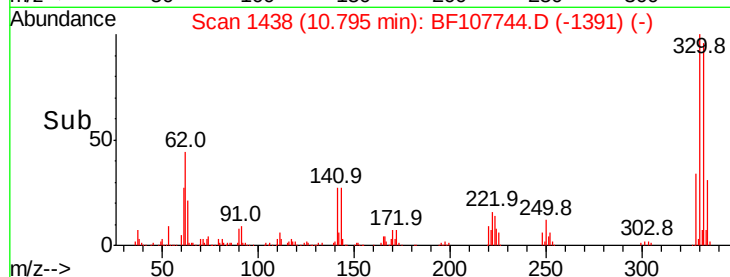
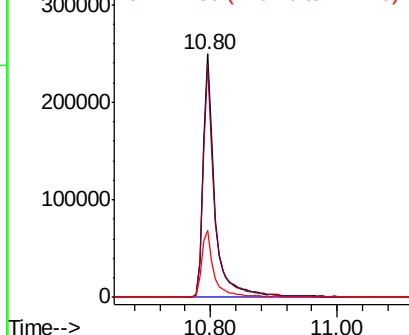
#41
 2,4,6-Tribromophenol
 Concen: 97.203 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.02 min
 Lab File: BF107744.D
 Acq: 27 Jul 2018 14:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 318641
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.0 115.6
 141 29.4 29.9 44.9#

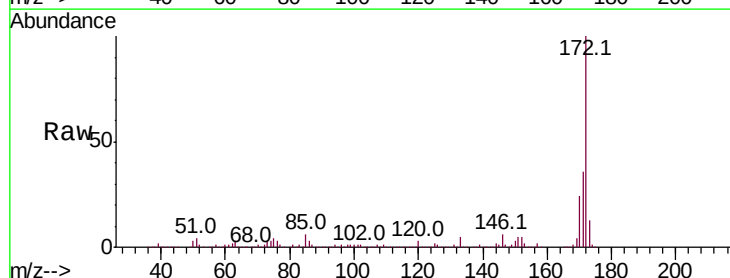


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

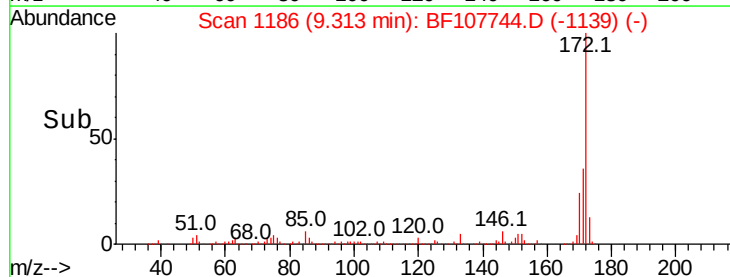
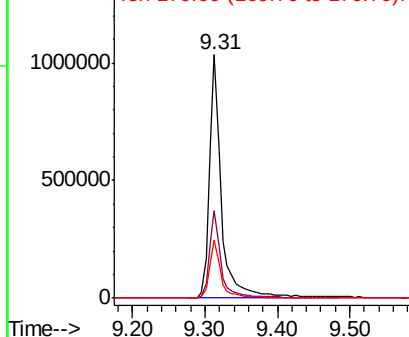


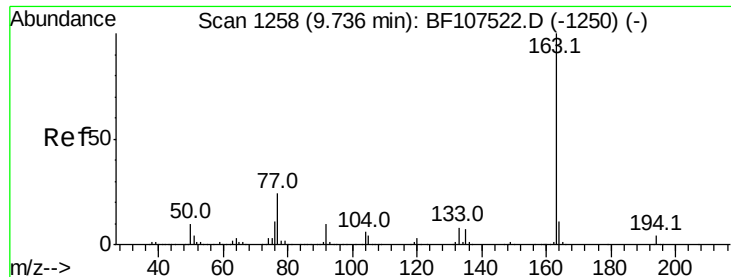
#44
 2-Fluorobiphenyl
 Concen: 66.774 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.02 min
 Lab File: BF107744.D
 Acq: 27 Jul 2018 14:33

Tgt Ion:172 Resp: 1193938
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.7 44.5
 170 23.7 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: 4.180 ng

RT: 9.71 min Scan# 1253

Delta R.T. -0.03 min

Lab File: BF107744.D

Acq: 27 Jul 2018 14:33

Instrument :
BNA_F
ClientSampleId :

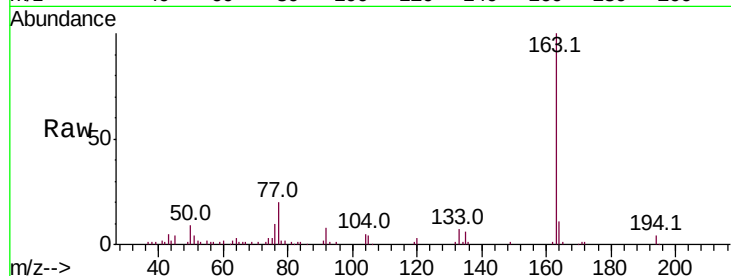
Tot Ion:163 Resp: 90825

Ion Ratio Lower Upper

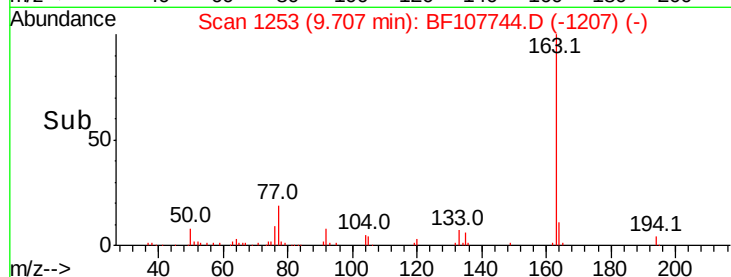
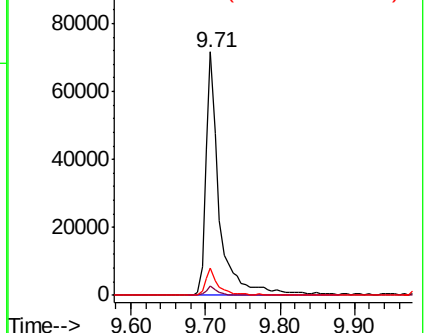
163 100

194 3.7 2.7 4.1

164 11.0 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



#50

2,6-Dinitrotoluene

Concen: 8.244 ng

RT: 10.00 min Scan# 1302

Delta R.T. 0.19 min

Lab File: BF107744.D

Acq: 27 Jul 2018 14:33

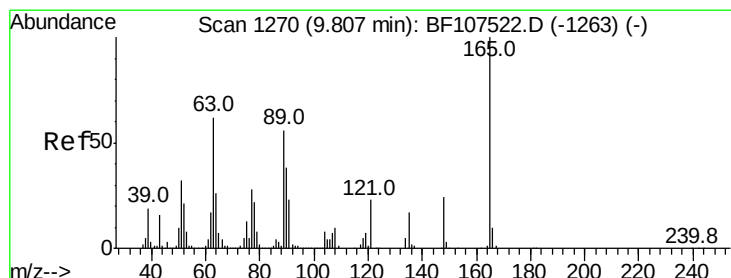
Tgt Ion:165 Resp: 35562

Ion Ratio Lower Upper

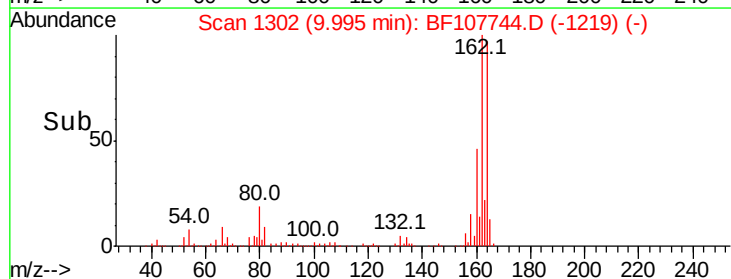
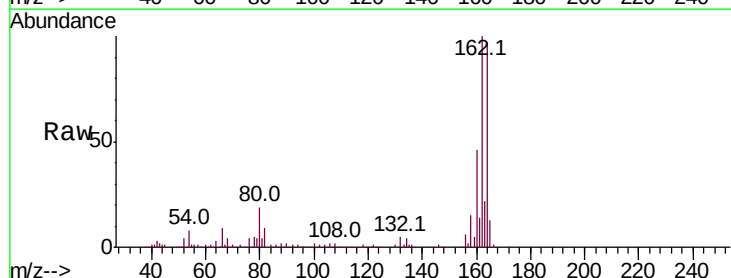
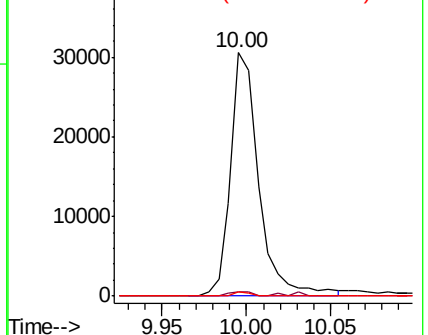
165 100

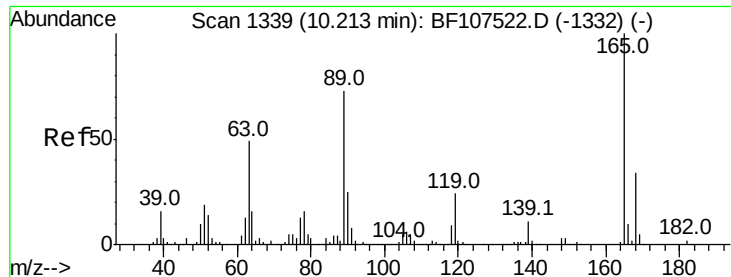
63 1.5 44.7 67.1#

89 1.7 44.0 66.0#



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

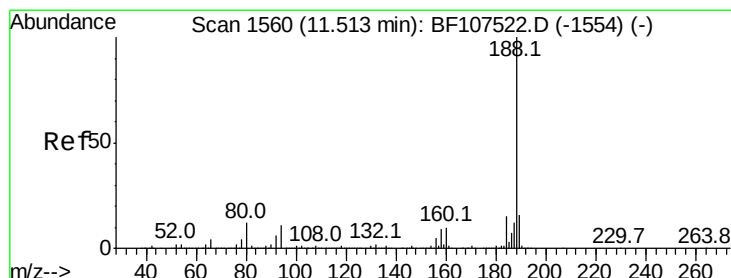
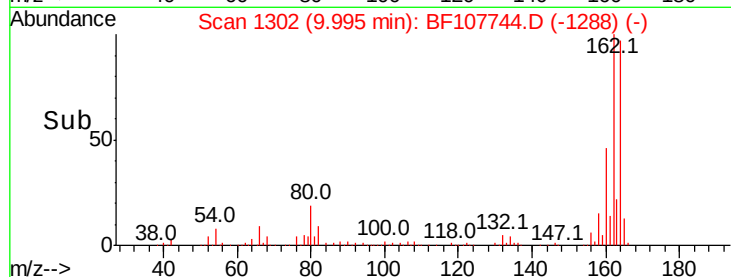
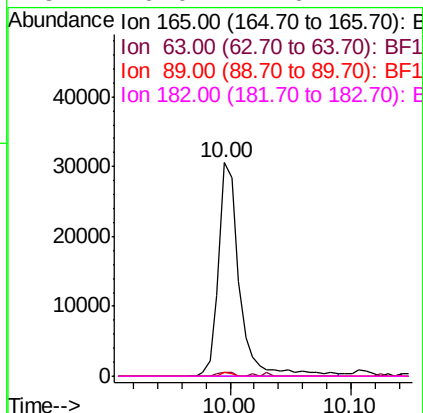
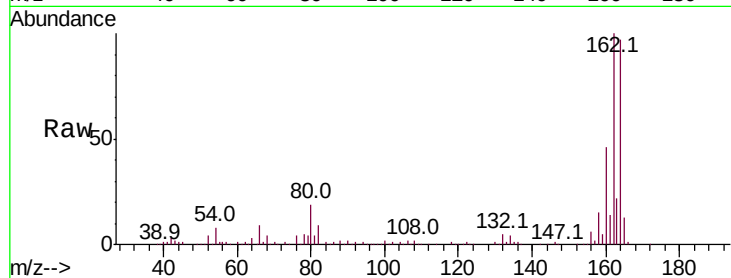




#56
 2,4-Dinitrotoluene
 Concen: 7.036 ng
 RT: 10.00 min Scan# 1302
 Delta R.T. -0.22 min
 Lab File: BF107744.D
 Acq: 27 Jul 2018 14:33

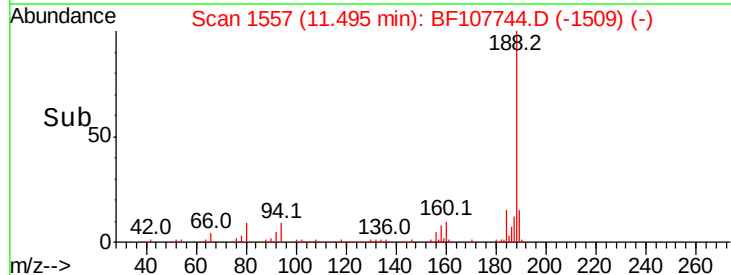
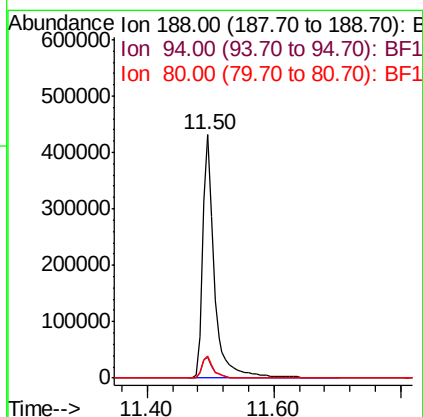
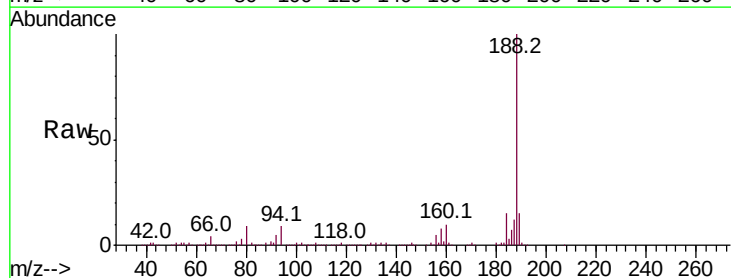
Instrument :
 BNA_F
 ClientSampleId :

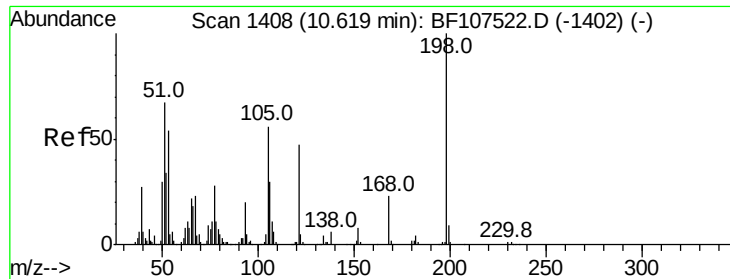
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.7	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1557
 Delta R.T. -0.02 min
 Lab File: BF107744.D
 Acq: 27 Jul 2018 14:33

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.5	12.7
80	9.1	9.2	13.8#





#64

4,6-Dinitro-2-methylphenol

Concen: 8.841 ng

RT: 10.79 min Scan# 1437

Delta R.T. 0.17 min

Lab File: BF107744.D

Acq: 27 Jul 2018 14:33

Instrument :

BNA_F

ClientSampled :

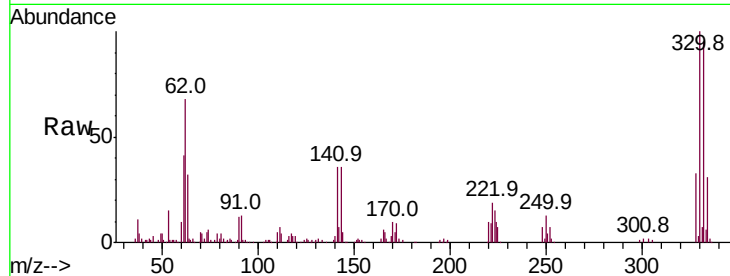
Tot Ion:198 Resp: 519

Ion Ratio Lower Upper

198 100

51 235.3 37.7 77.7#

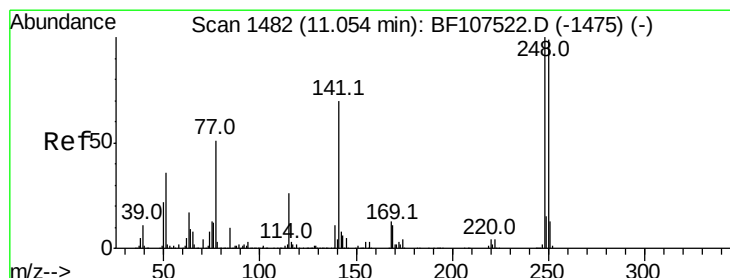
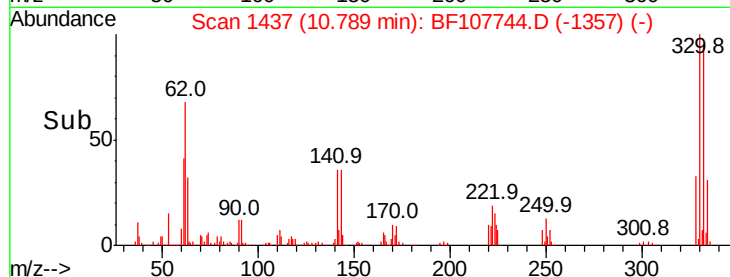
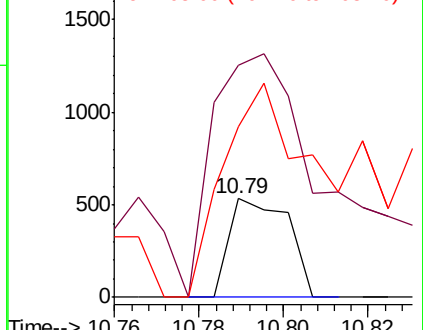
105 172.6 36.3 76.3#



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: 2.891 ng

RT: 10.80 min Scan# 1438

Delta R.T. -0.26 min

Lab File: BF107744.D

Acq: 27 Jul 2018 14:33

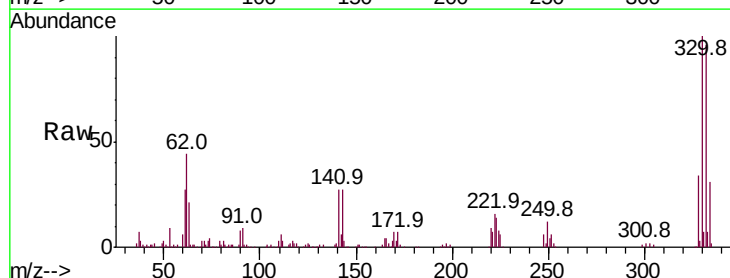
Tgt Ion:248 Resp: 18658

Ion Ratio Lower Upper

248 100

250 196.3 76.9 115.3#

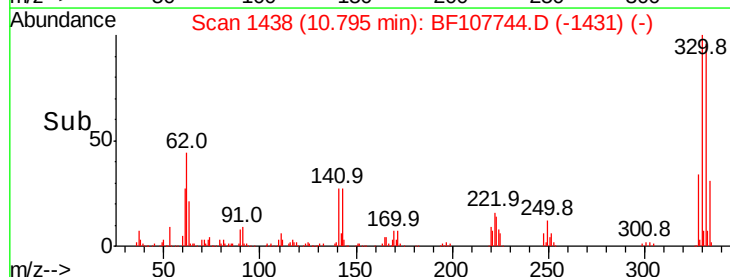
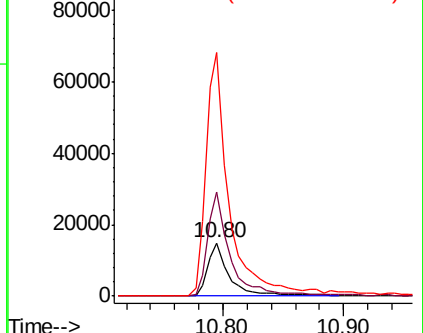
141 460.5 74.4 111.6#

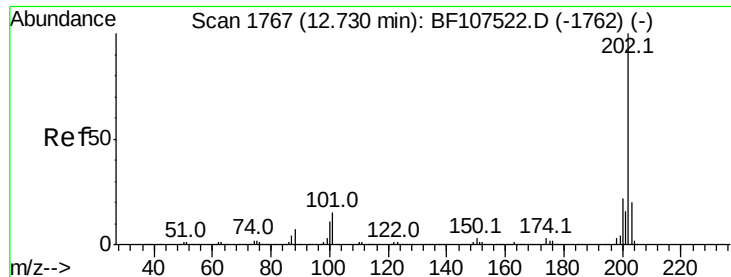


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#74

Fluoranthene

Concen: 3.095 ng

RT: 12.71 min Scan# 1764

Delta R.T. -0.02 min

Lab File: BF107744.D

Acq: 27 Jul 2018 14:33

Instrument :

BNA_F

ClientSampleId :

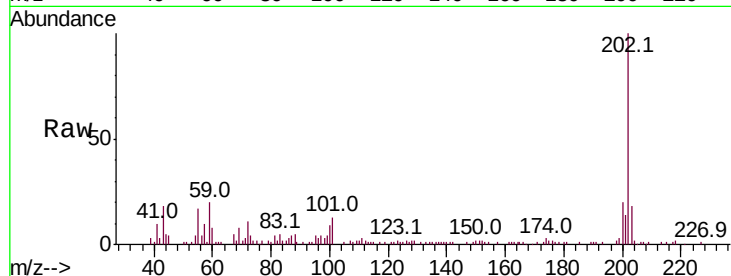
Tot Ion:202 Resp: 88716

Ion Ratio Lower Upper

202 100

101 12.8 0.0 34.1

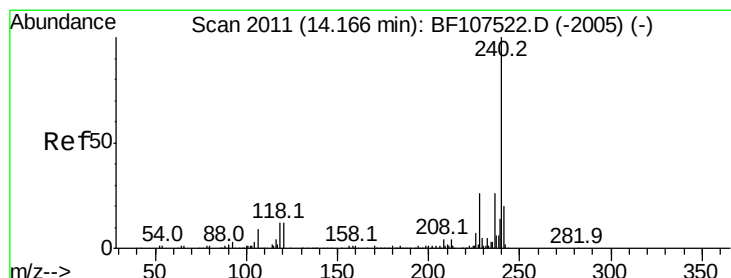
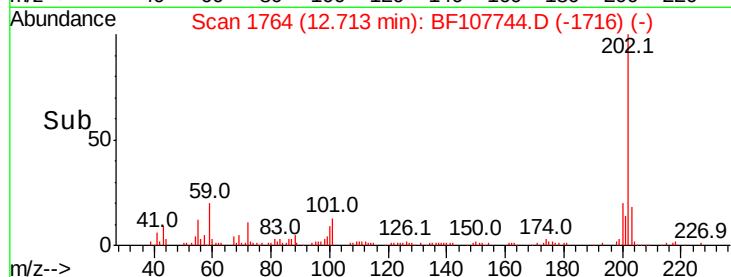
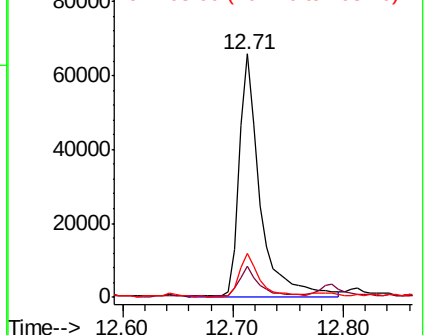
203 18.0 0.0 38.1



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: 14.14 min Scan# 2007

Delta R.T. -0.02 min

Lab File: BF107744.D

Acq: 27 Jul 2018 14:33

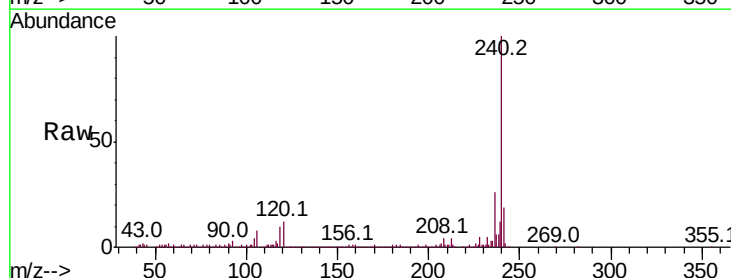
Tgt Ion:240 Resp: 398124

Ion Ratio Lower Upper

240 100

120 12.4 9.5 14.3

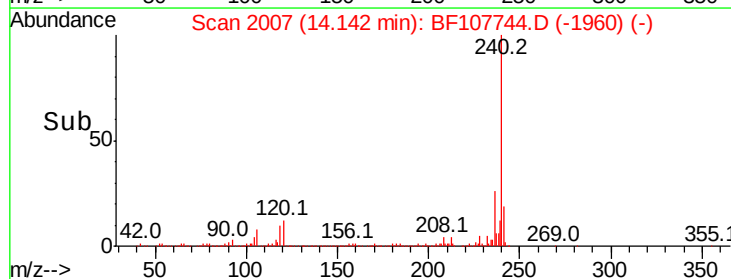
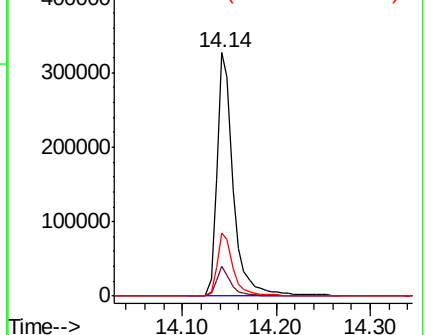
236 26.1 20.7 31.1

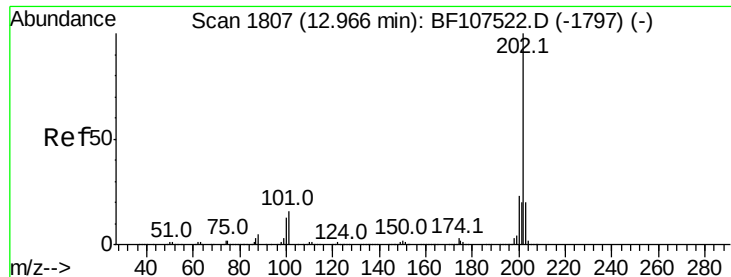


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 3.359 ng

RT: 12.94 min Scan# 1803

Delta R.T. -0.02 min

Lab File: BF107744.D

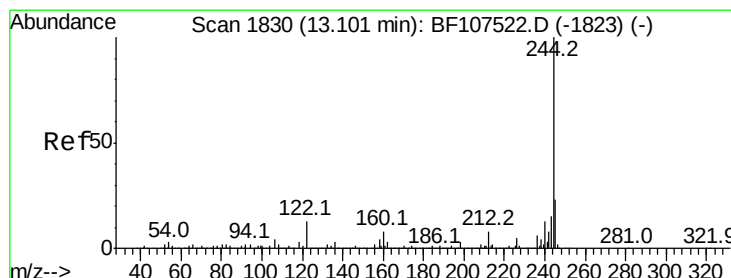
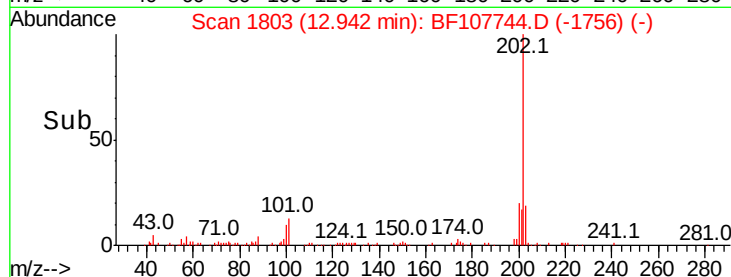
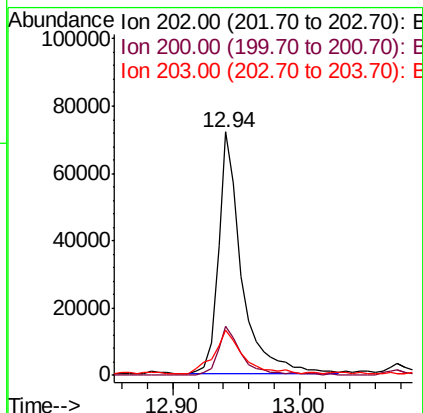
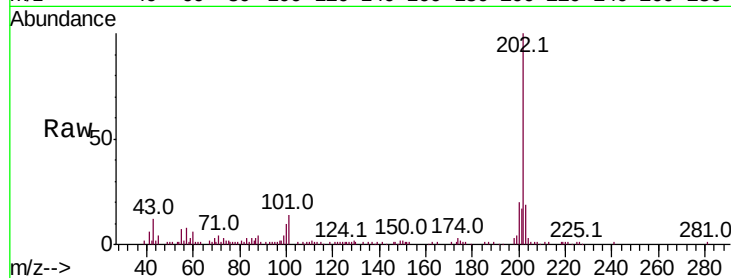
Acq: 27 Jul 2018 14:33

Instrument :

BNA_F

ClientSampled :

Tot Ion:	202	Resp:	91465
Ion	Ratio	Lower	Upper
202	100		
200	19.9	17.4	26.2
203	18.7	14.3	21.5



#78

Terphenyl-d14

Concen: 62.413 ng

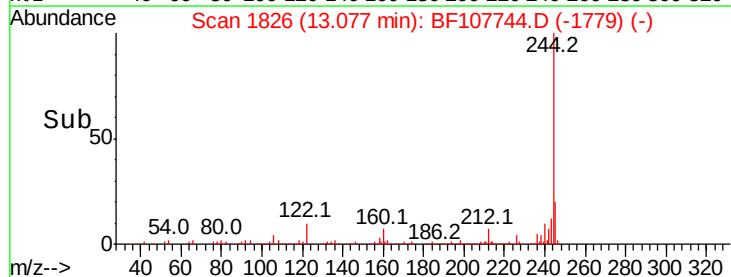
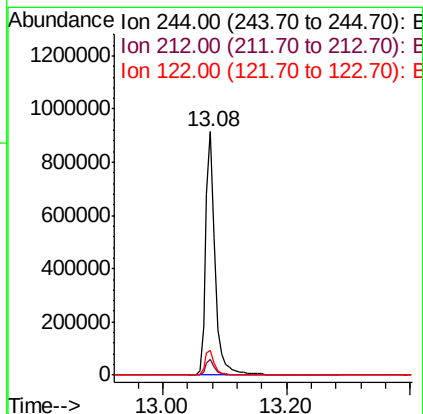
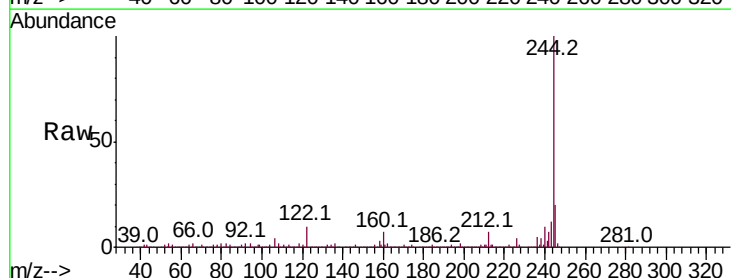
RT: 13.08 min Scan# 1826

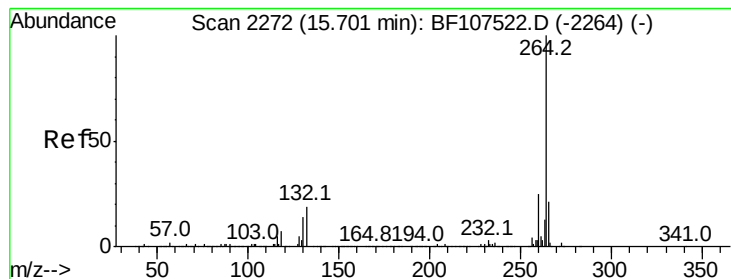
Delta R.T. -0.02 min

Lab File: BF107744.D

Acq: 27 Jul 2018 14:33

Tgt Ion:	244	Resp:	970601
Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.0
122	10.4	11.0	16.4#





#86

Pervlene-d12

Concen: 20.000 ng

RT: 15.67 min Scan# 2267

Delta R.T. -0.03 min

Lab File: BF107744.D

Acq: 27 Jul 2018 14:33

Instrument :

BNA_F

ClientSampleId :

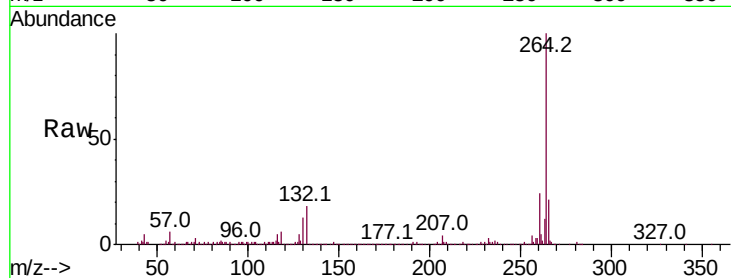
Tot Ion:264 Resp: 460216

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

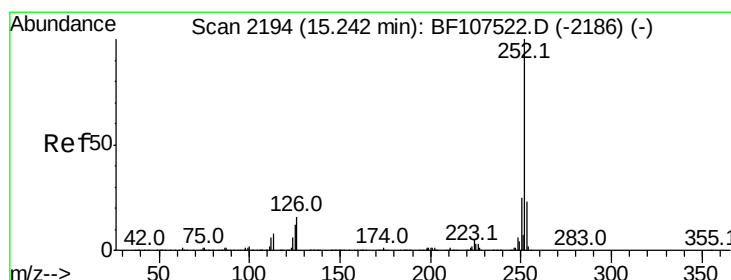
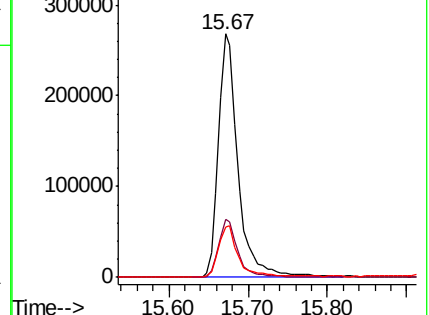
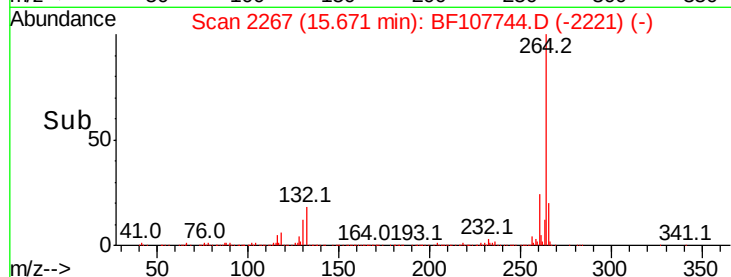
265 20.6 17.5 26.3



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: 2.759 ng

RT: 15.22 min Scan# 2190

Delta R.T. -0.02 min

Lab File: BF107744.D

Acq: 27 Jul 2018 14:33

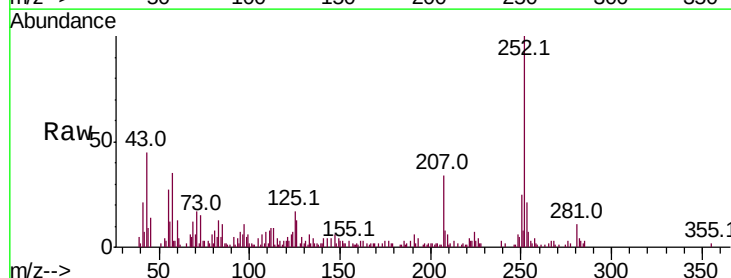
Tgt Ion:252 Resp: 69480

Ion Ratio Lower Upper

252 100

253 21.3 17.0 25.6

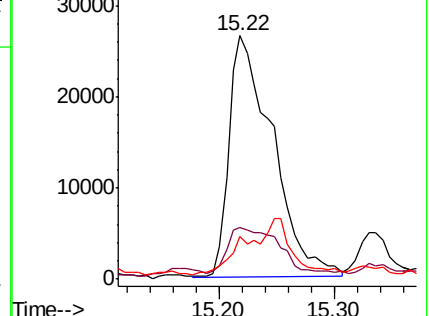
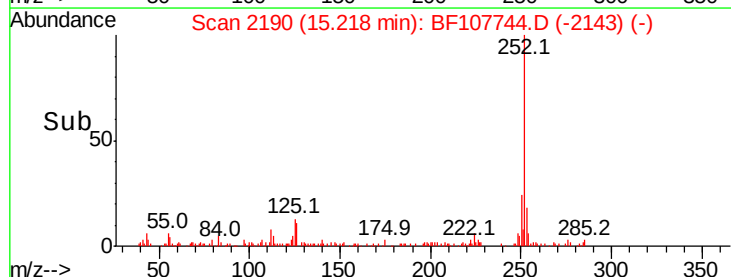
125 17.3 9.0 13.6#

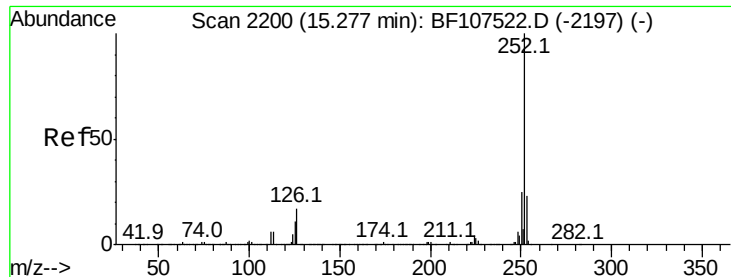


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 2.816 ng

RT: 15.22 min Scan# 2190

Delta R.T. -0.06 min

Lab File: BF107744.D

Acq: 27 Jul 2018 14:33

Instrument :

BNA_F

ClientSampleId :

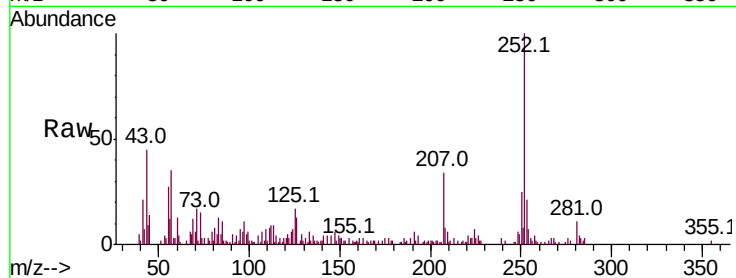
Tot Ion:252 Resp: 69480

Ion Ratio Lower Upper

252 100

253 21.3 17.9 26.9

125 17.3 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

