

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080318\
 Data File : BF107947.D
 Acq On : 3 Aug 2018 19:33
 Operator : JU/SJ
 Sample : J4318-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 03 22:59:58 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073018.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jul 30 17:48:53 2018
 Response via : Initial Calibration

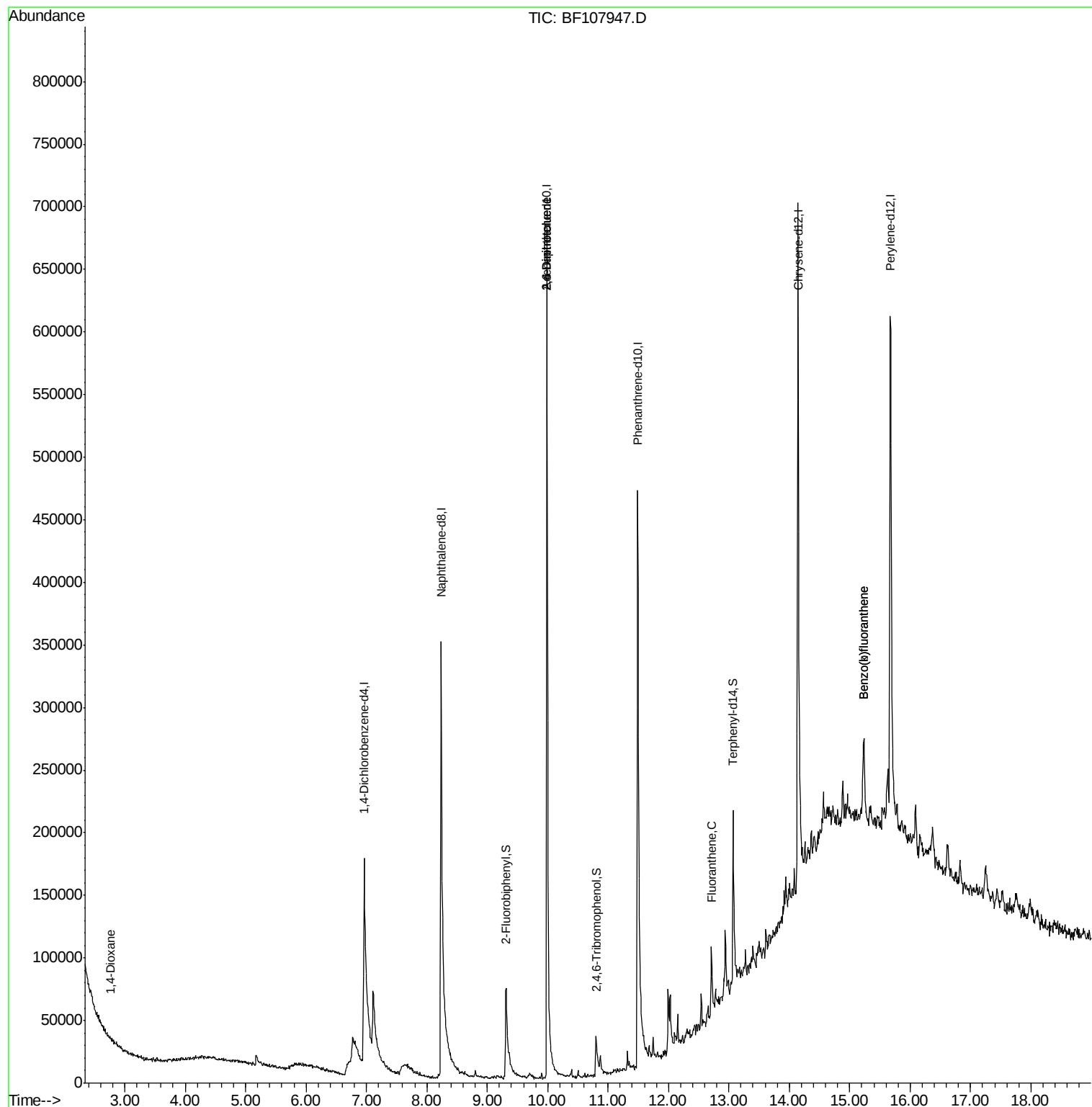
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	84551	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	474895	20.00	ng	-0.01
38) Acenaphthene-d10	9.99	164	199459	20.00	ng	-0.02
63) Phenanthrene-d10	11.49	188	358699	20.00	ng	-0.01
75) Chrysene-d12	14.14	240	310963	20.00	ng	-0.01
86) Perylene-d12	15.67	264	350080	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.82	112	901	0.18	ng	0.22
7) Phenol-d6	6.71	99	11906	1.82	ng	0.10
23) Nitrobenzene-d5	7.61	82	8858	1.07	ng	0.07
41) 2,4,6-Tribromophenol	10.80	330	14643	5.40	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	83303	5.82	ng	0.00
78) Terphenyl-d14	13.07	244	82530	5.76	ng	-0.01
Target Compounds						
2) 1,4-Dioxane	2.77	88	318	5.913	ng	# 49
50) 2,6-Dinitrotoluene	9.99	165	23744	7.294	ng	# 25
56) 2,4-Dinitrotoluene	9.99	165	24933	5.827	ng	# 23
74) Fluoranthene	12.71	202	49258	2.462	ng	# 98
87) Benzo(b)fluoranthene	15.22	252	43721	2.532	ng	# 84
88) Benzo(k)fluoranthene	15.22	252	43721	2.062	ng	# 87

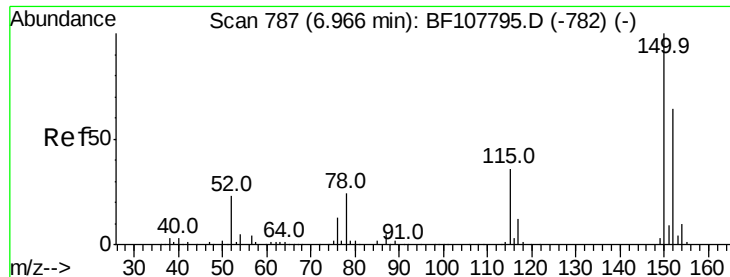
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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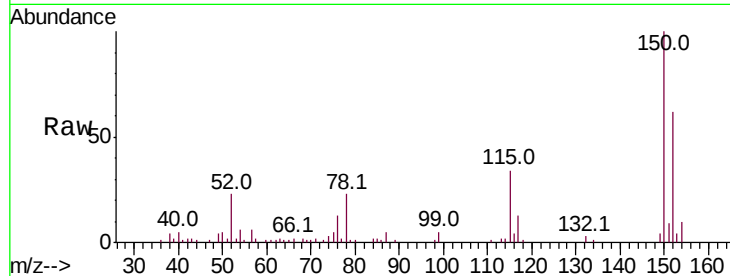


#1

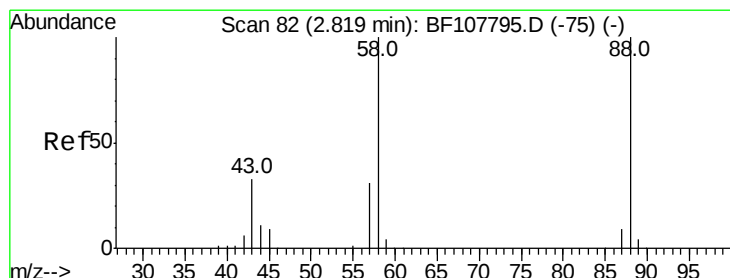
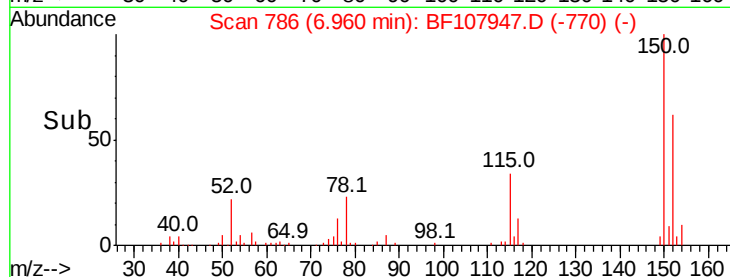
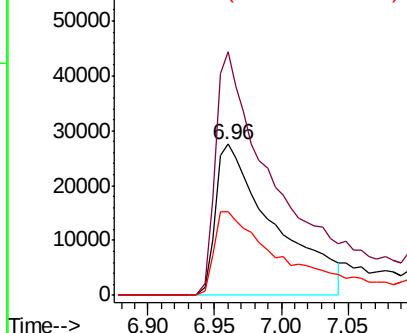
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF107947.D
Acq: 3 Aug 2018 19:33

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 84551
Ion Ratio Lower Upper
152 100
150 161.1 124.6 186.8
115 55.0 50.1 75.1



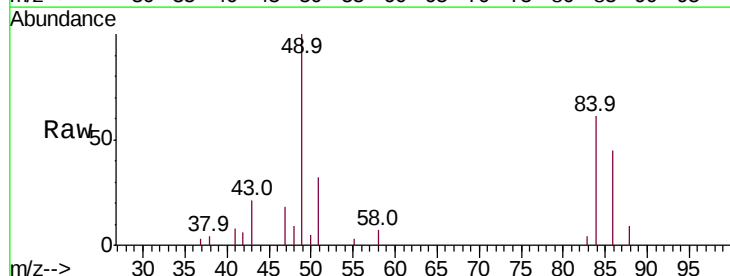
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



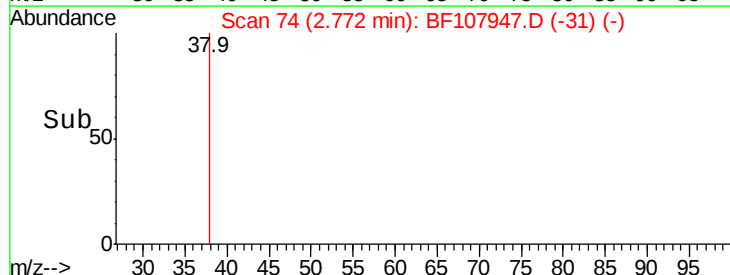
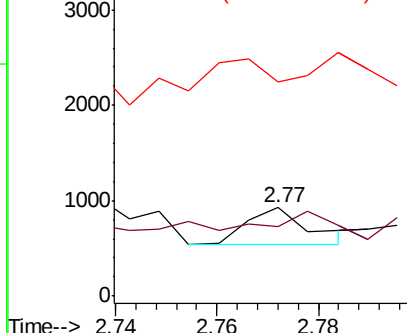
#2

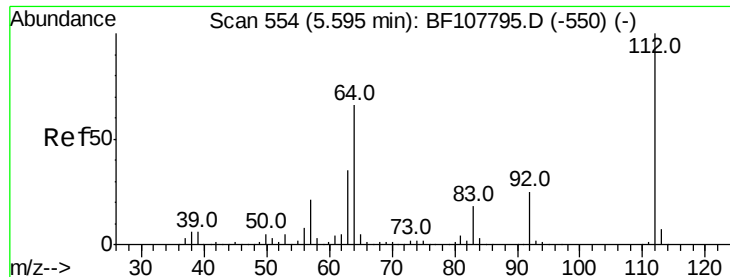
1,4-Dioxane
Concen: 5.913 ng
RT: 2.77 min Scan# 74
Delta R.T. -0.05 min
Lab File: BF107947.D
Acq: 3 Aug 2018 19:33

Tgt Ion: 88 Resp: 318
Ion Ratio Lower Upper
88 100
58 48.7 62.6 93.8#
43 82.7 24.6 37.0#



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





#5

2-Fluorophenol

Concen: 0.181 ng

RT: 5.82 min Scan# 592

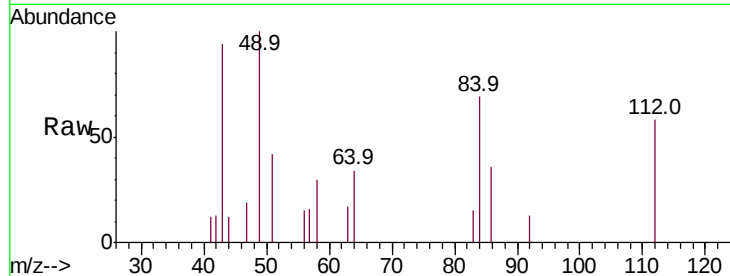
Delta R.T. 0.22 min

Lab File: BF107947.D

Acq: 3 Aug 2018 19:33

Instrument :
BNA_F
ClientSampled :

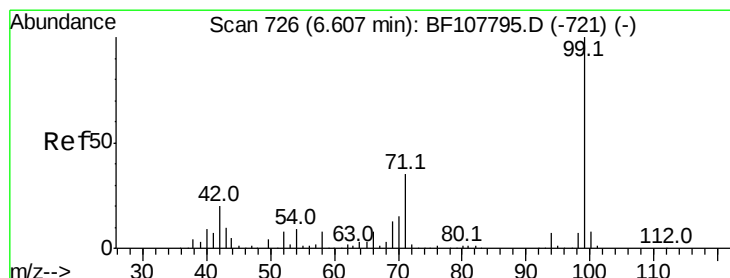
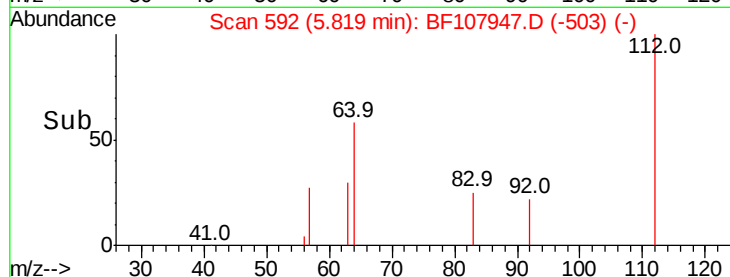
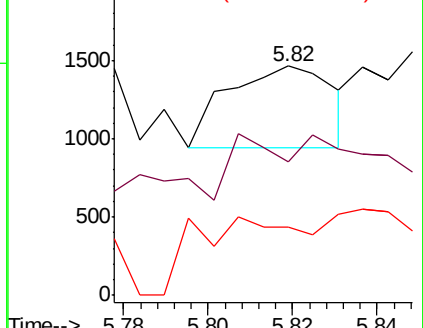
Tot Ion:	112	Resp:	901
Ion	Ratio	Lower	Upper
112	100		
64	58.3	47.9	71.9
63	29.6	23.7	35.5



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: 1.816 ng

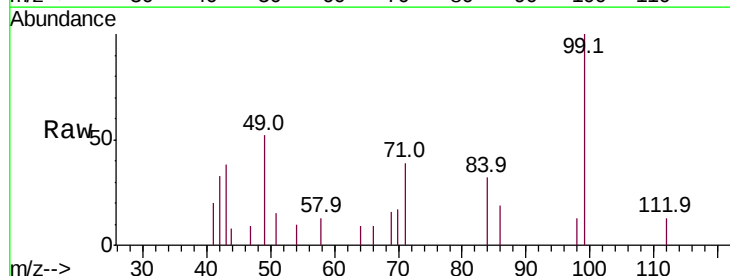
RT: 6.71 min Scan# 743

Delta R.T. 0.10 min

Lab File: BF107947.D

Acq: 3 Aug 2018 19:33

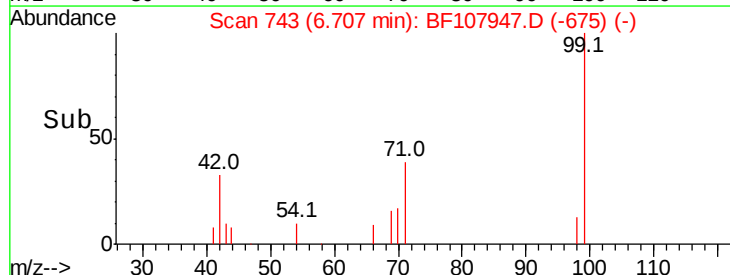
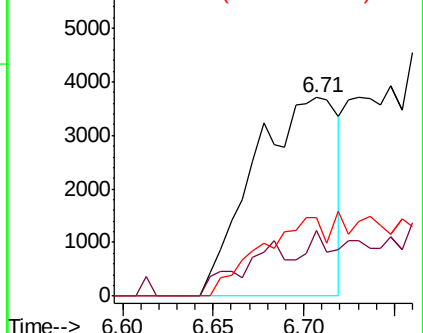
Tgt Ion:	99	Resp:	11906
Ion	Ratio	Lower	Upper
99	100		
42	33.3	14.5	21.7#
71	39.3	25.4	38.0#

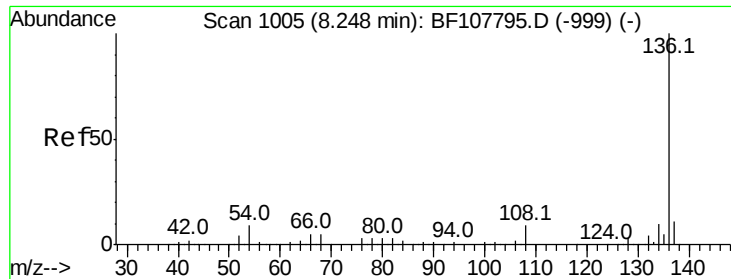


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1

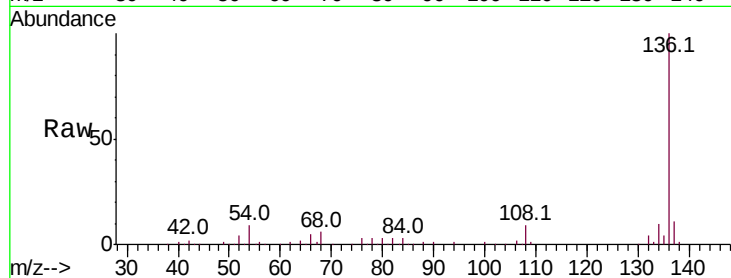




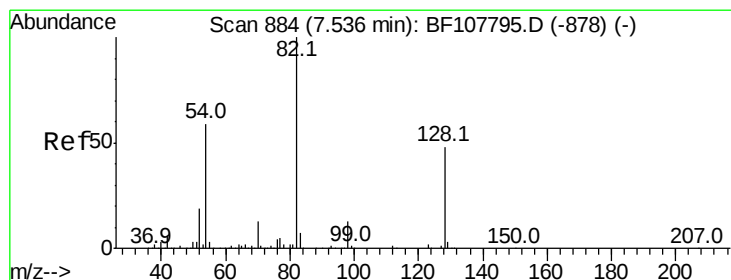
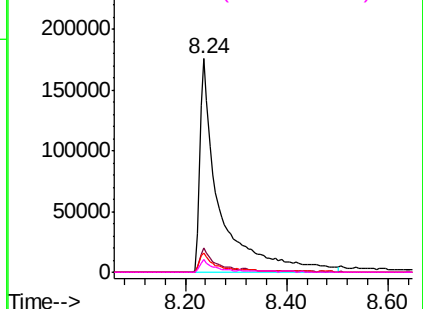
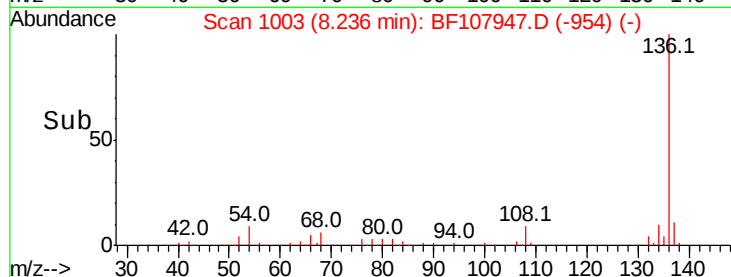
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1003
Delta R.T. -0.01 min
Lab File: BF107947.D
Acq: 3 Aug 2018 19:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	474895
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	9.0	6.6	9.8
68	5.9	5.0	7.4

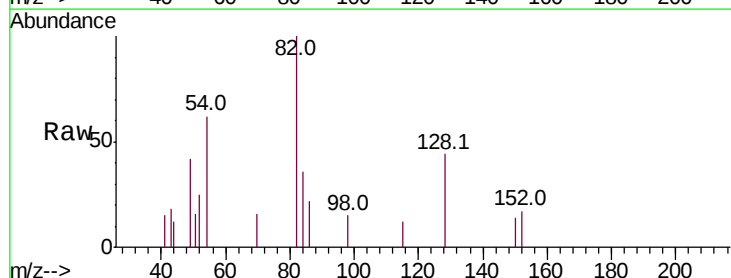


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

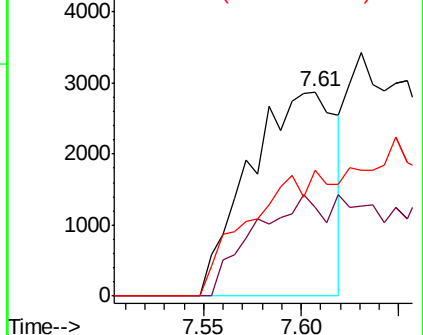
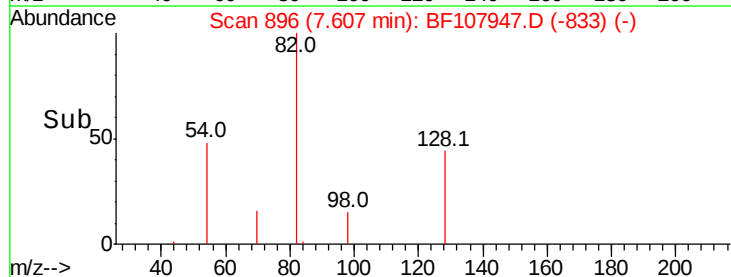


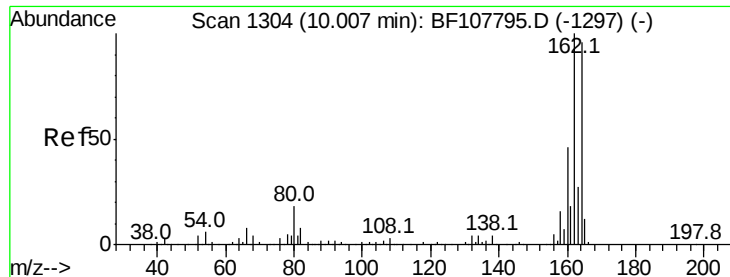
#23
Nitrobenzene-d5
Concen: 1.075 ng
RT: 7.61 min Scan# 896
Delta R.T. 0.07 min
Lab File: BF107947.D
Acq: 3 Aug 2018 19:33

Tgt Ion:	82	Resp:	8858
Ion	Ratio	Lower	Upper
82	100		
128	43.6	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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.99 min Scan# 1301

Delta R.T. -0.02 min

Lab File: BF107947.D

Acq: 3 Aug 2018 19:33

Instrument :

BNA_F

ClientSampleId :

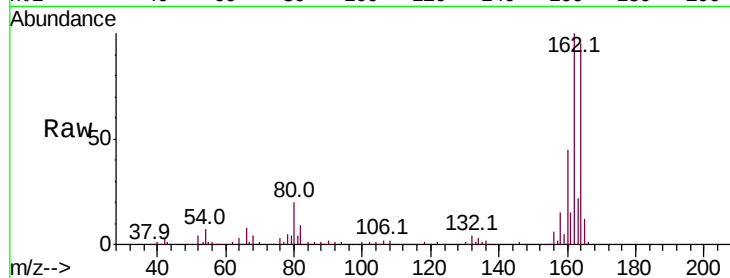
Tot Ion:164 Resp: 199459

Ion Ratio Lower Upper

164 100

162 105.2 86.1 129.1

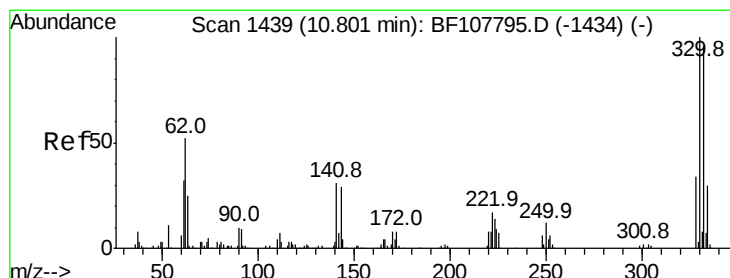
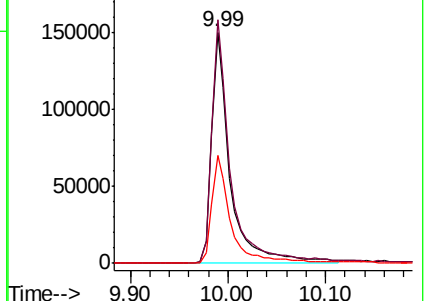
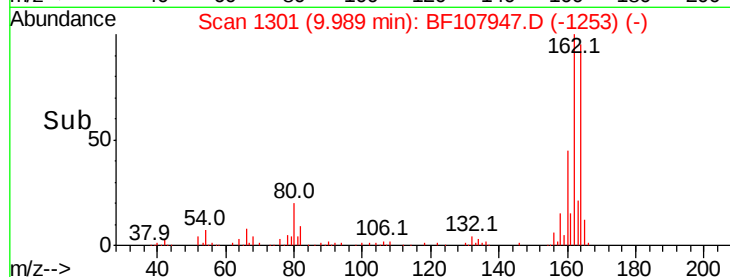
160 46.8 38.3 57.5



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: 5.403 ng

RT: 10.80 min Scan# 1439

Delta R.T. 0.00 min

Lab File: BF107947.D

Acq: 3 Aug 2018 19:33

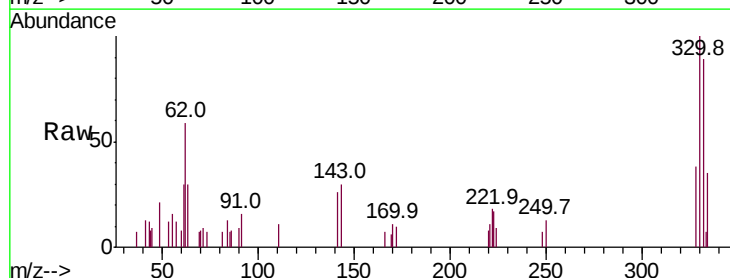
Tgt Ion:330 Resp: 14643

Ion Ratio Lower Upper

330 100

332 97.9 77.0 115.6

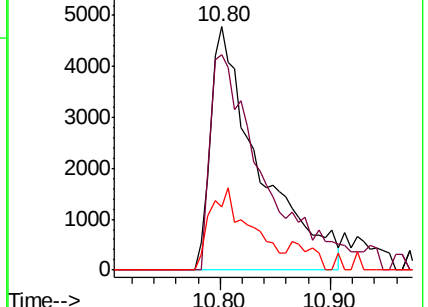
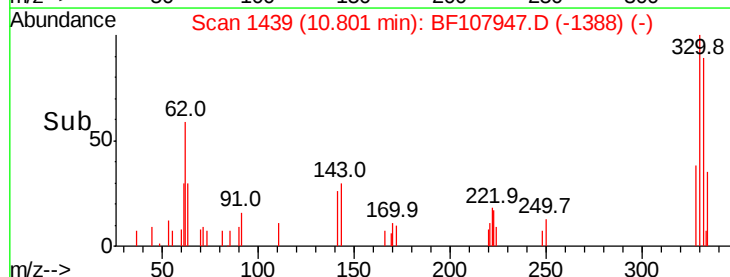
141 27.6 29.9 44.9#

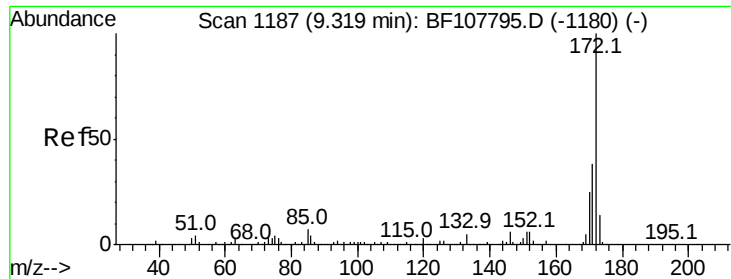


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

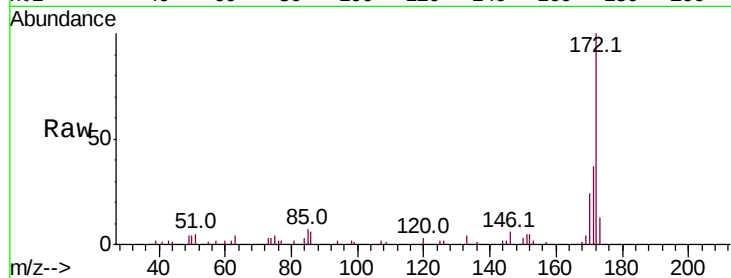




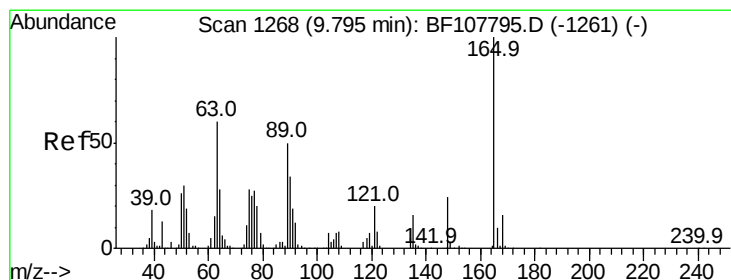
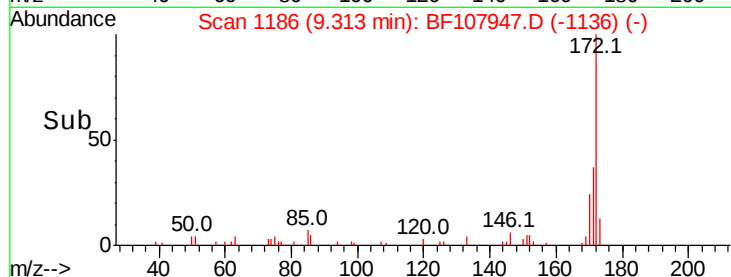
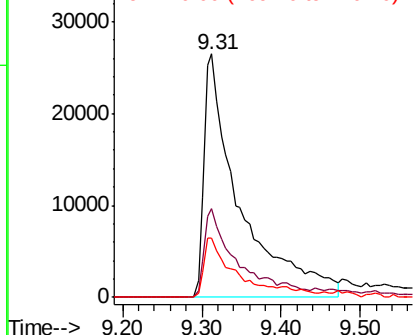
#44
 2-Fluorobiphenyl
 Concen: 5.820 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF107947.D
 Acq: 3 Aug 2018 19:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 83303
 Ion Ratio Lower Upper
 172 100
 171 36.6 29.7 44.5
 170 24.3 19.6 29.4

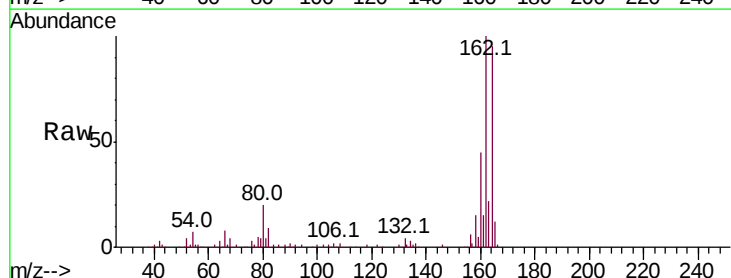


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

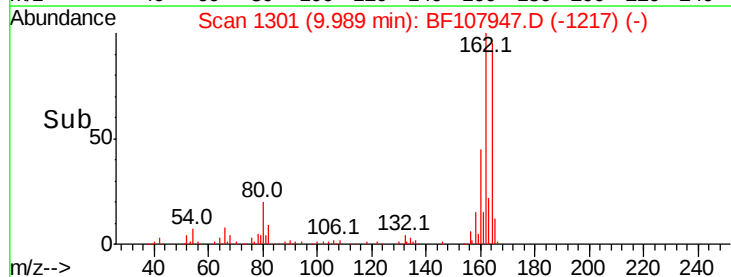
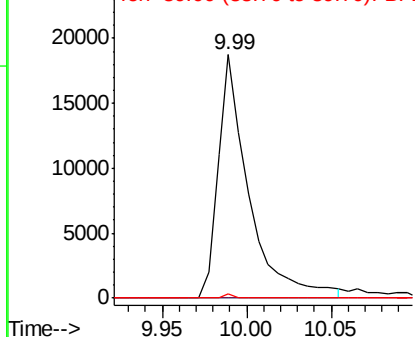


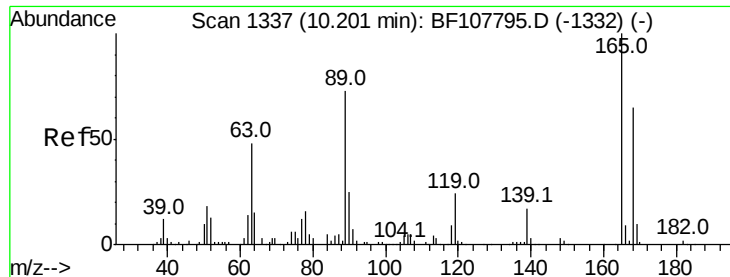
#50
 2,6-Dinitrotoluene
 Concen: 7.294 ng
 RT: 9.99 min Scan# 1301
 Delta R.T. 0.19 min
 Lab File: BF107947.D
 Acq: 3 Aug 2018 19:33

Tgt Ion:165 Resp: 23744
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 1.6 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

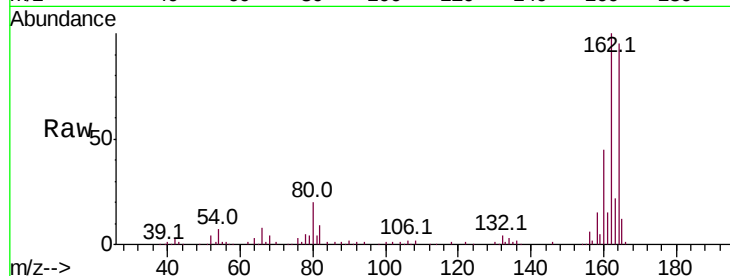




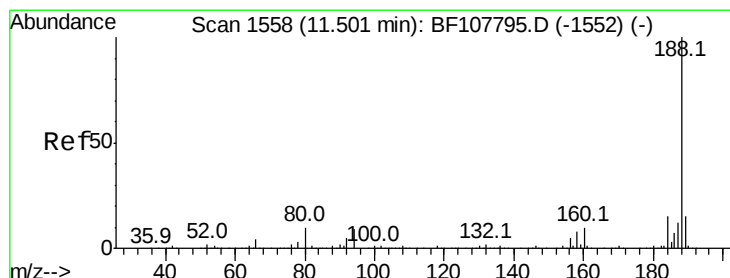
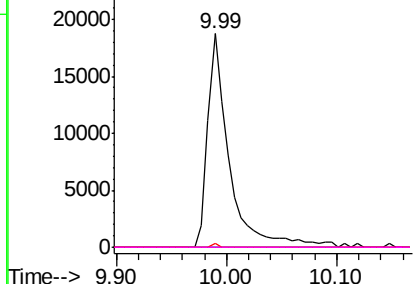
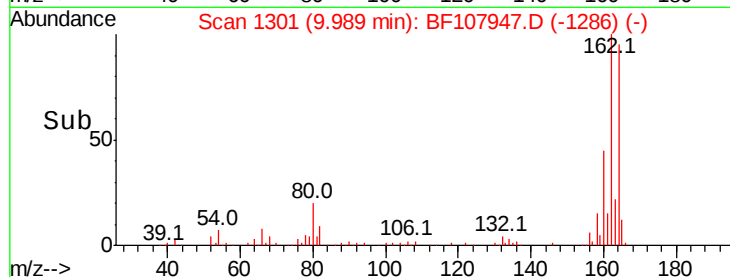
#56
 2,4-Dinitrotoluene
 Concen: 5.827 ng
 RT: 9.99 min Scan# 1301
 Delta R.T. -0.21 min
 Lab File: BF107947.D
 Acq: 3 Aug 2018 19:33

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:165 Resp: 24933
 Ion Ratio Lower Upper
 165 100
 63 0.0 36.4 54.6#
 89 1.6 57.8 86.6#
 182 0.0 1.6 2.4#

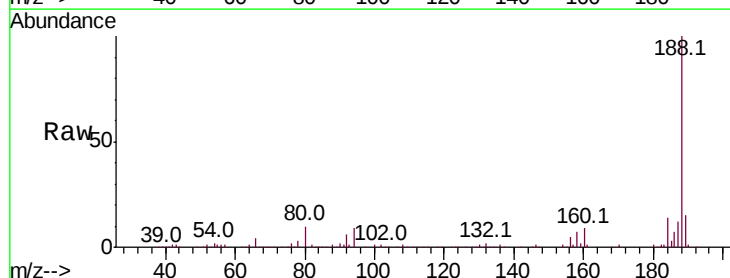


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

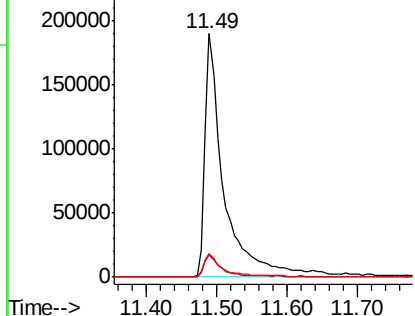
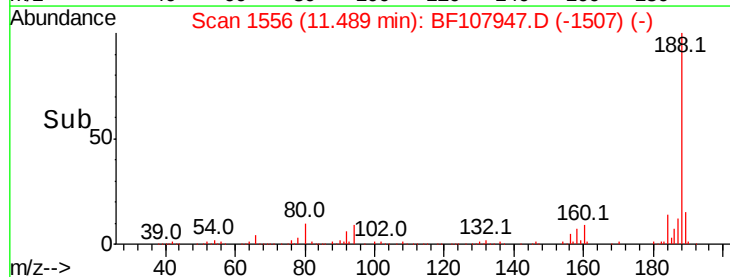


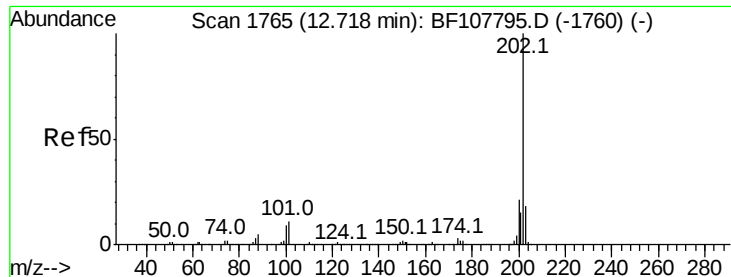
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1556
 Delta R.T. -0.01 min
 Lab File: BF107947.D
 Acq: 3 Aug 2018 19:33

Tgt Ion:188 Resp: 358699
 Ion Ratio Lower Upper
 188 100
 94 9.0 8.5 12.7
 80 9.8 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





#74

Fluoranthene

Concen: 2.462 ng

RT: 12.71 min Scan# 1763

Delta R.T. -0.01 min

Lab File: BF107947.D

Acq: 3 Aug 2018 19:33

Instrument :

BNA_F

ClientSampleId :

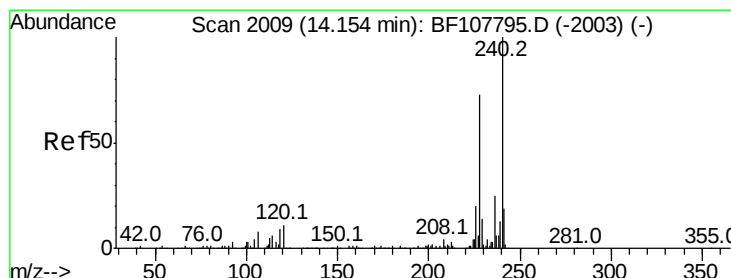
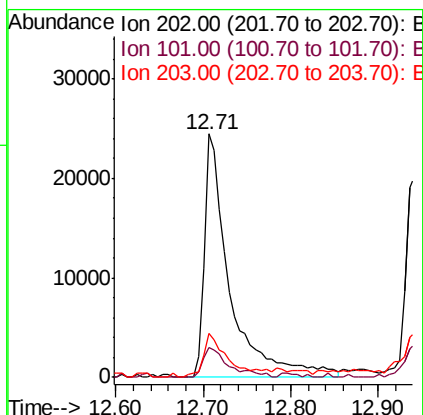
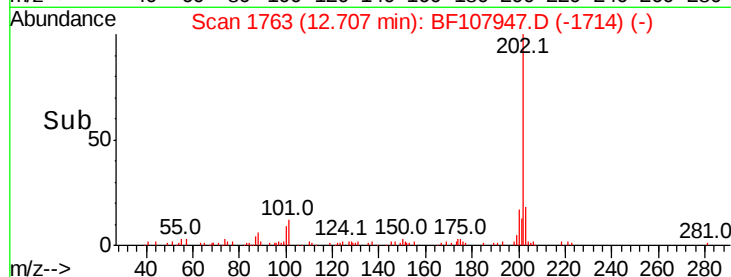
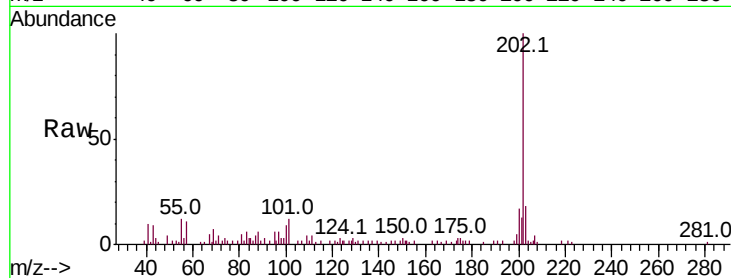
Tot Ion:202 Resp: 49258

Ion Ratio Lower Upper

202 100

101 12.1 0.0 34.1

203 18.1 0.0 38.1



#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.14 min Scan# 2007

Delta R.T. -0.01 min

Lab File: BF107947.D

Acq: 3 Aug 2018 19:33

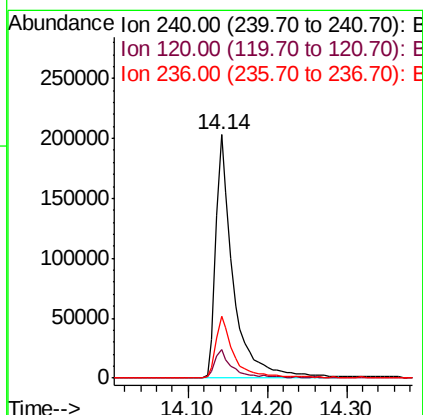
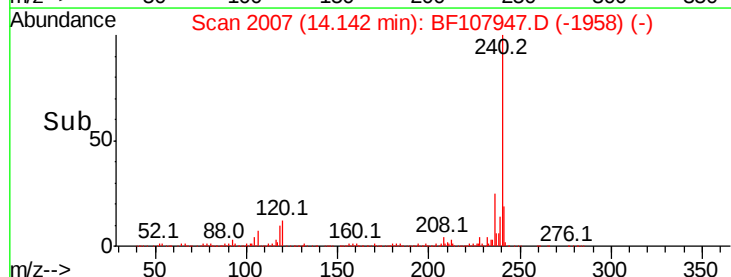
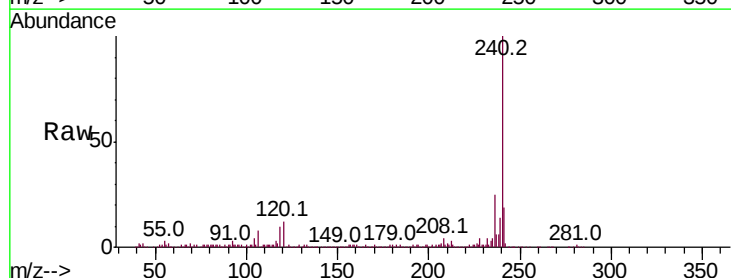
Tgt Ion:240 Resp: 310963

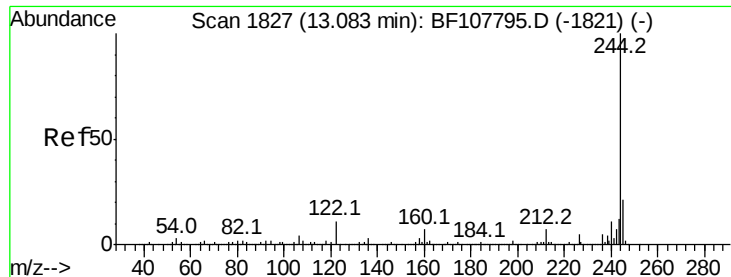
Ion Ratio Lower Upper

240 100

120 12.0 9.5 14.3

236 25.2 20.7 31.1





#78

Terphenyl-d14

Concen: 5.755 ng

RT: 13.07 min Scan# 1825

Delta R.T. -0.01 min

Lab File: BF107947.D

Acq: 3 Aug 2018 19:33

Instrument :

BNA_F

ClientSampleId :

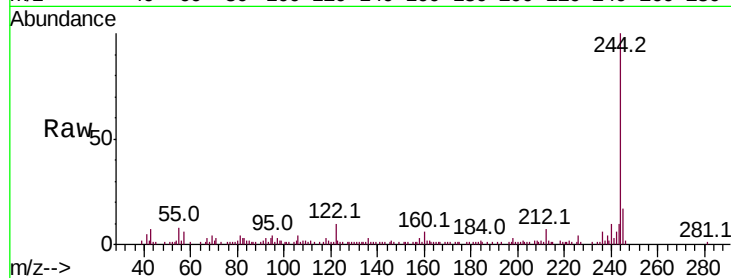
Tot Ion:244 Resp: 82530

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

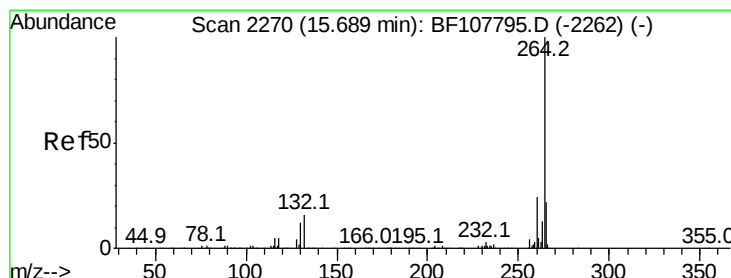
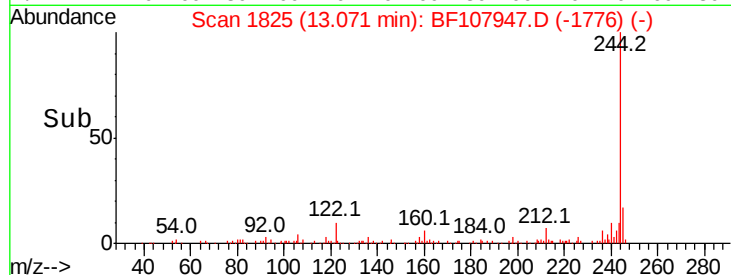
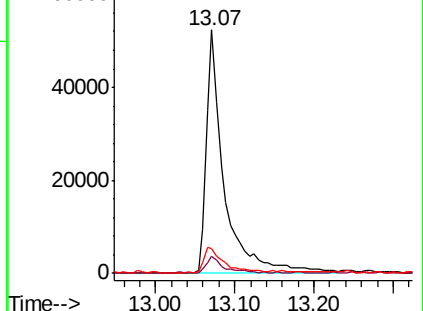
122 10.2 11.0 16.4#



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: 15.67 min Scan# 2267

Delta R.T. -0.02 min

Lab File: BF107947.D

Acq: 3 Aug 2018 19:33

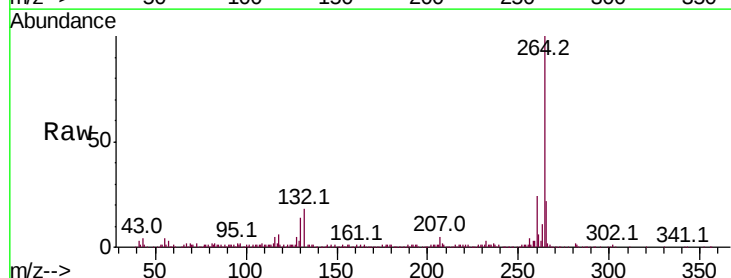
Tgt Ion:264 Resp: 350080

Ion Ratio Lower Upper

264 100

260 23.6 19.2 28.8

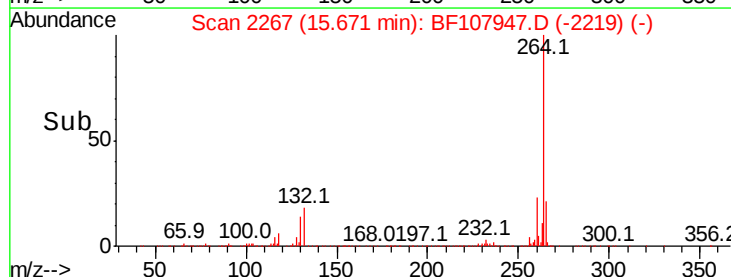
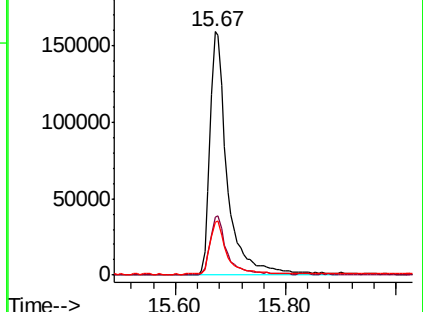
265 21.9 17.5 26.3

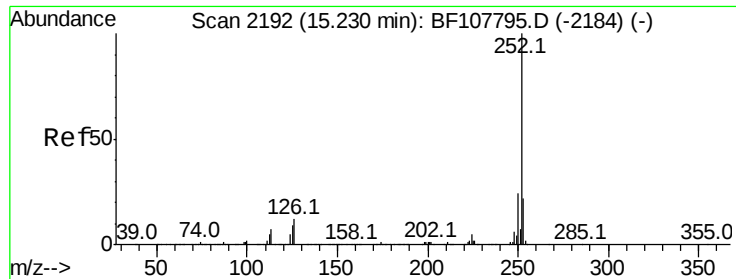


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.532 ng

RT: 15.22 min Scan# 2191

Delta R.T. -0.01 min

Lab File: BF107947.D

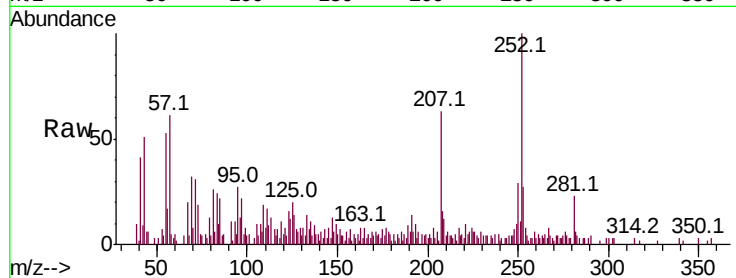
Acq: 3 Aug 2018 19:33

Instrument :

BNA_F

ClientSampleId :

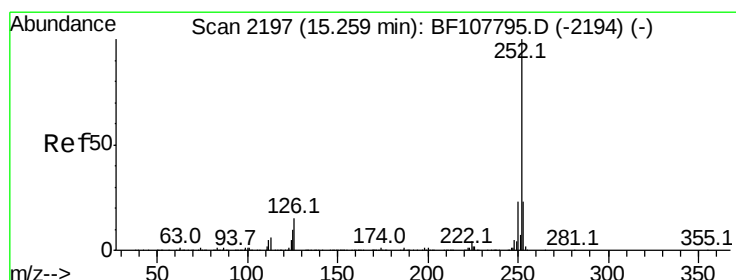
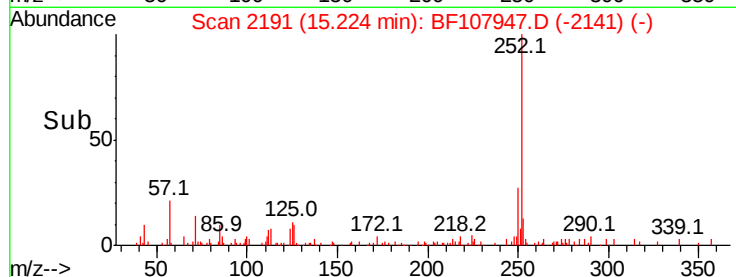
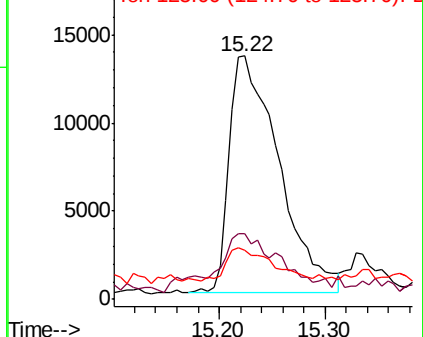
Tot Ion:252	Resp:	43721
Ion Ratio	Lower	Upper
252	100	
253	27.1	17.0 25.6#
125	20.0	9.0 13.6#



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: 2.062 ng

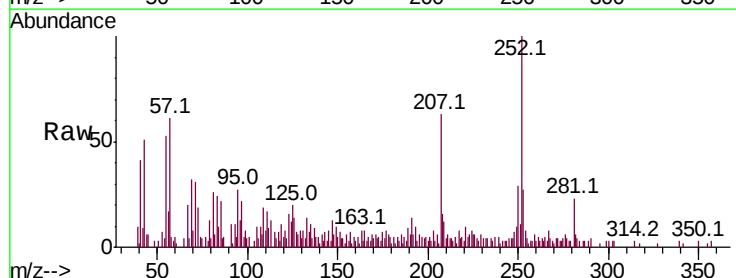
RT: 15.22 min Scan# 2191

Delta R.T. -0.04 min

Lab File: BF107947.D

Acq: 3 Aug 2018 19:33

Tgt Ion:252	Resp:	43721
Ion Ratio	Lower	Upper
252	100	
253	27.1	17.9 26.9#
125	20.0	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

