

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073018\
 Data File : BF107807.D
 Acq On : 30 Jul 2018 18:33
 Operator : JU/SJ
 Sample : J4218-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 31 01:02:39 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

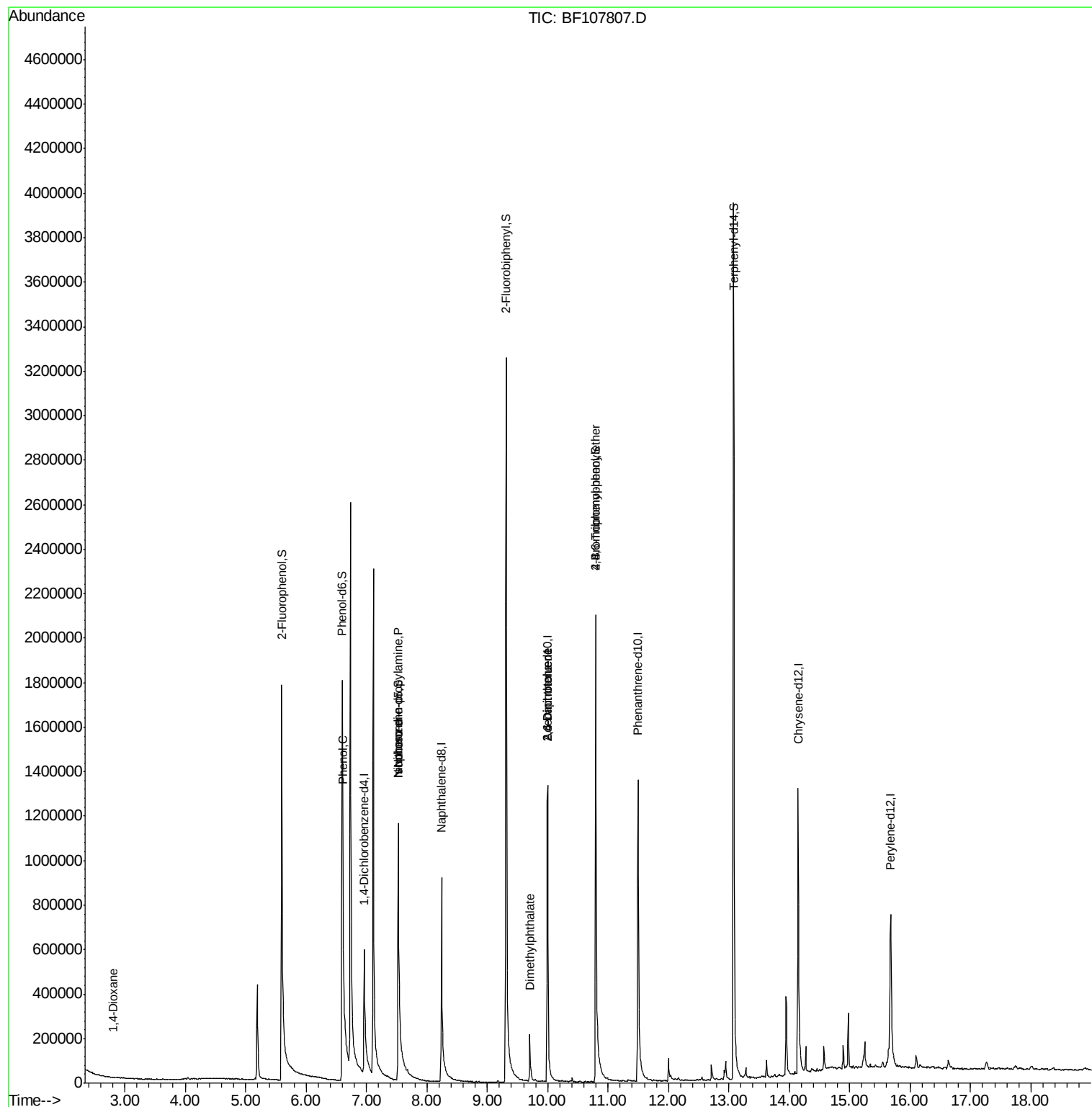
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	164954	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	752075	20.00	ng	0.00
38) Acenaphthene-d10	10.00	164	353045	20.00	ng	0.00
63) Phenanthrene-d10	11.49	188	767281	20.00	ng	0.00
75) Chrysene-d12	14.15	240	628330	20.00	ng	0.00
86) Perylene-d12	15.68	264	493587	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	893447	92.05	ng	0.00
7) Phenol-d6	6.60	99	1306525	102.14	ng	-0.01
23) Nitrobenzene-d5	7.52	82	793459	60.78	ng	-0.01
41) 2,4,6-Tribromophenol	10.80	330	406875	84.82	ng	0.00
44) 2-Fluorobiphenyl	9.31	172	1475251	58.23	ng	0.00
78) Terphenyl-d14	13.08	244	1699436	58.65	ng	0.00
Target Compounds						
2) 1,4-Dioxane	2.81	88	690	5.927	ng	# 20
10) Phenol	6.61	94	63124	4.138	ng	# 46
19) n-Nitroso-di-n-propylamine	7.52	70	94755	11.677	ng	# 79
25) Isophorone	7.52	82	793459	37.028	ng	# 64
49) Dimethylphthalate	9.71	163	126496	4.771	ng	# 98
50) 2,6-Dinitrotoluene	10.00	165	40855	7.090	ng	# 26
56) 2,4-Dinitrotoluene	10.00	165	42749	5.645	ng	# 24
66) 4-Bromophenyl-phenylether	10.80	248	23744	2.655	ng	# 1

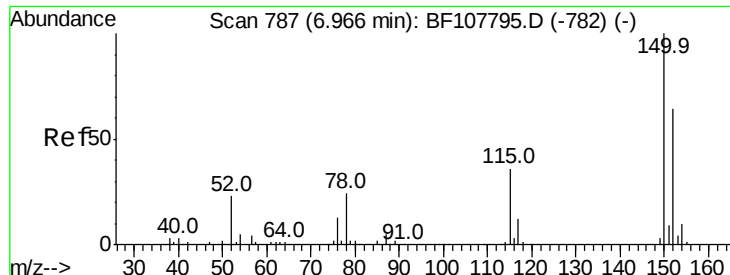
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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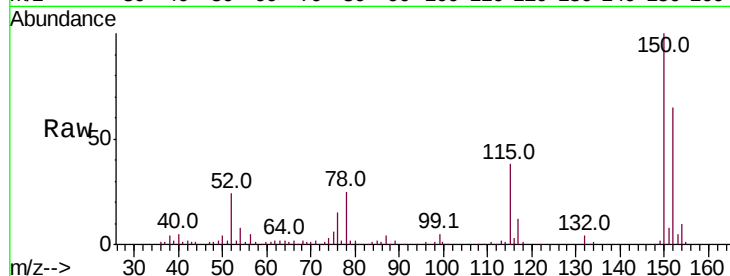


#1

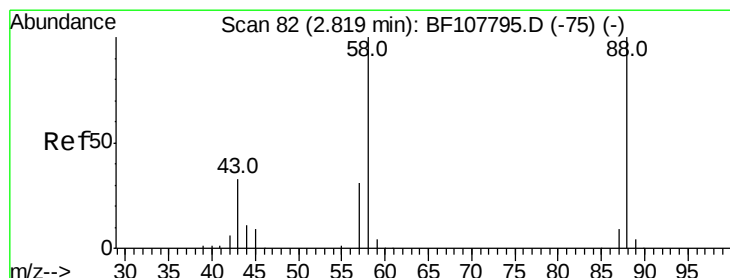
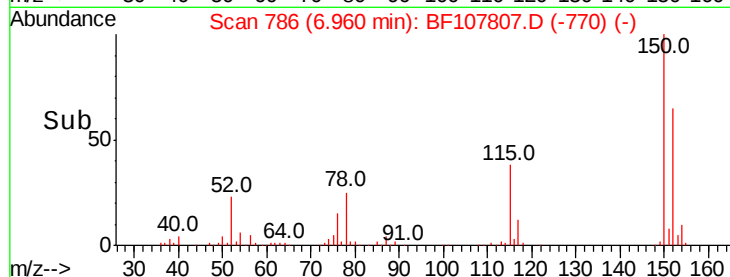
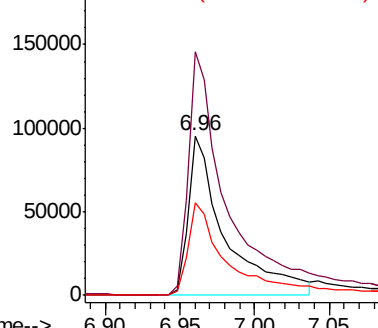
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.96 min Scan# 786
Delta R.T. -0.01 min
Lab File: BF107807.D
Acq: 30 Jul 2018 18:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 164954
Ion Ratio Lower Upper
152 100
150 152.7 124.6 186.8
115 58.2 50.1 75.1



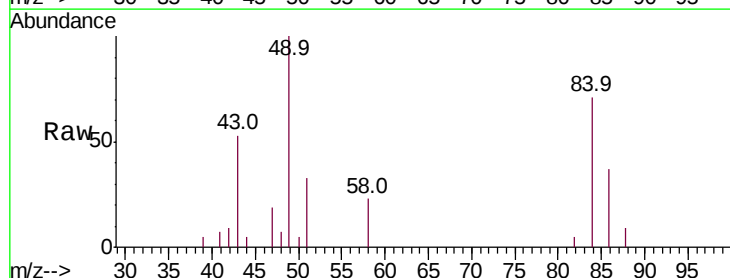
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



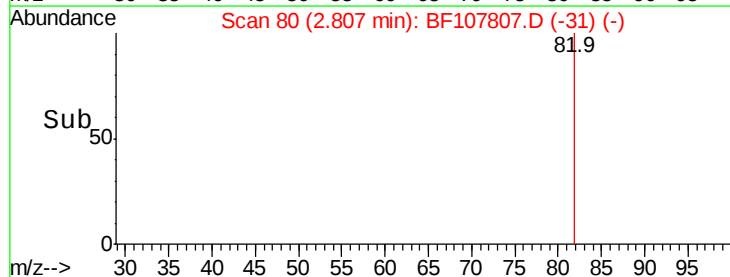
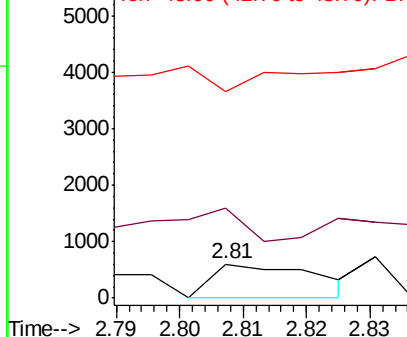
#2

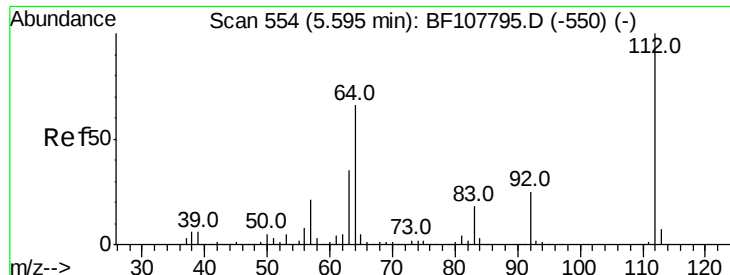
1,4-Dioxane
Concen: 5.927 ng
RT: 2.81 min Scan# 80
Delta R.T. -0.01 min
Lab File: BF107807.D
Acq: 30 Jul 2018 18:33

Tgt Ion: 88 Resp: 690
Ion Ratio Lower Upper
88 100
58 0.0 62.6 93.8#
43 0.0 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: 92.053 ng

RT: 5.60 min Scan# 554

Delta R.T. 0.00 min

Lab File: BF107807.D

Acq: 30 Jul 2018 18:33

Instrument :

BNA_F

ClientSampled :

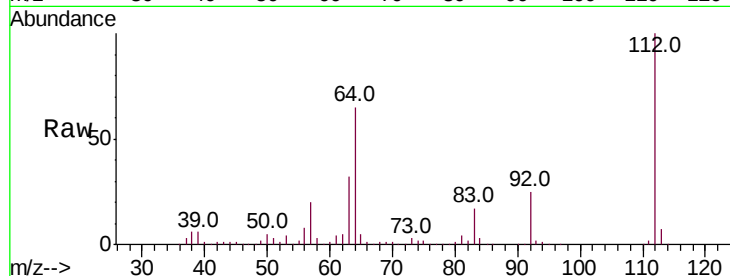
Tot Ion:112 Resp: 893447

Ion Ratio Lower Upper

112 100

64 64.8 47.9 71.9

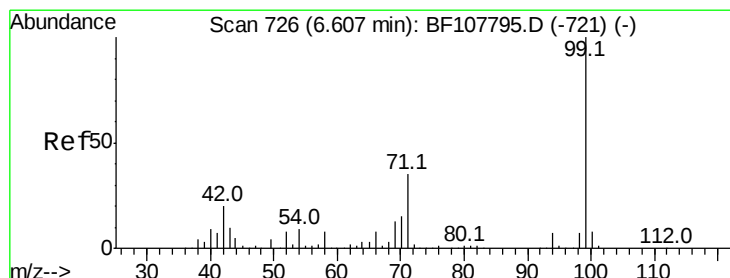
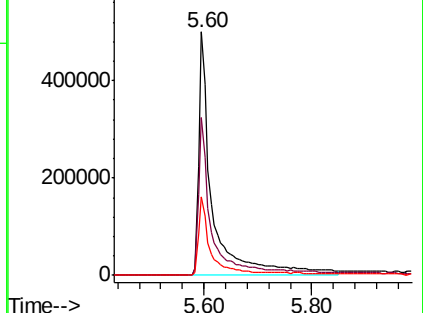
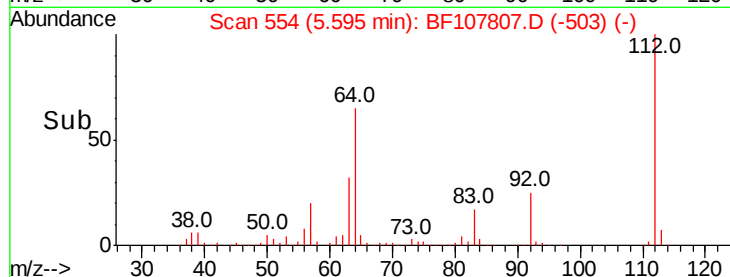
63 32.0 23.7 35.5



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: 102.139 ng

RT: 6.60 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF107807.D

Acq: 30 Jul 2018 18:33

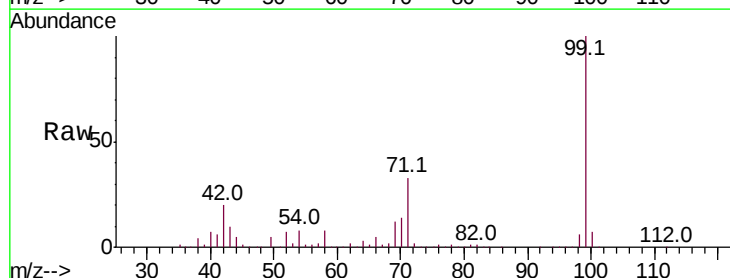
Tgt Ion: 99 Resp: 1306525

Ion Ratio Lower Upper

99 100

42 19.9 14.5 21.7

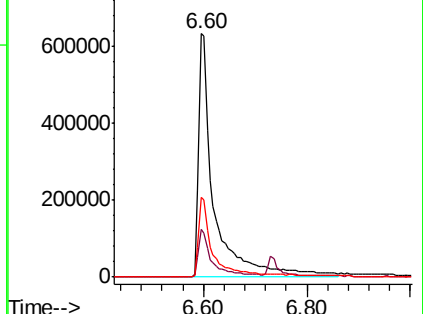
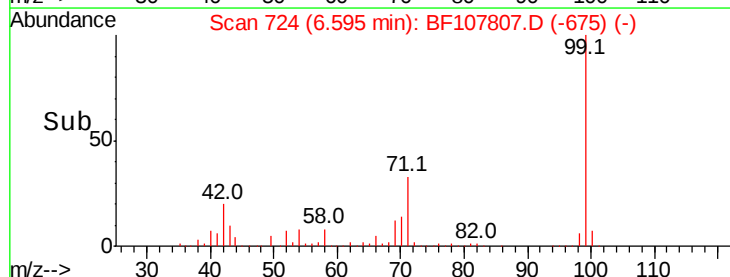
71 32.5 25.4 38.0

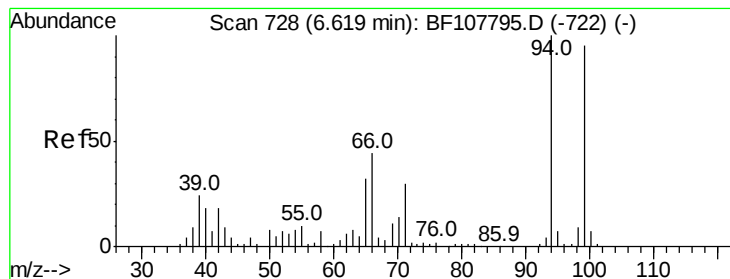


Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1





#10

Phenol

Concen: 4.138 ng

RT: 6.61 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF107807.D

Acq: 30 Jul 2018 18:33

Instrument :

BNA_F

ClientSampled :

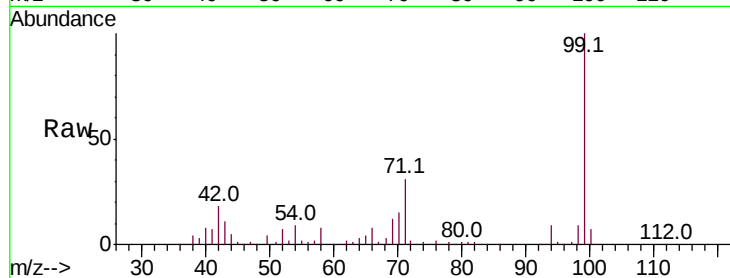
Tot Ion: 94 Resp: 63124

Ion Ratio Lower Upper

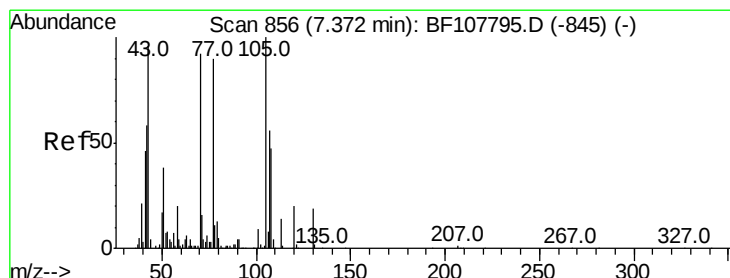
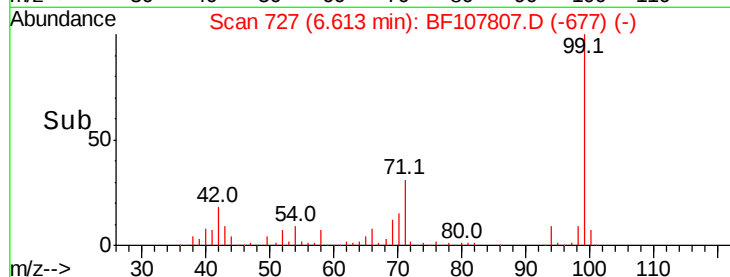
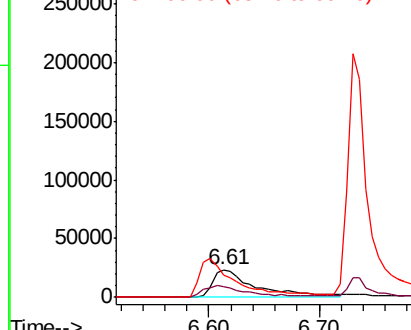
94 100

65 40.3 7.9 47.9

66 82.3 16.2 56.2#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 11.677 ng

RT: 7.52 min Scan# 882

Delta R.T. 0.15 min

Lab File: BF107807.D

Acq: 30 Jul 2018 18:33

Tgt Ion: 70 Resp: 94755

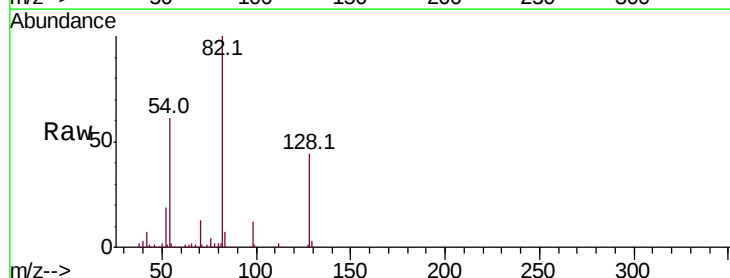
Ion Ratio Lower Upper

70 100

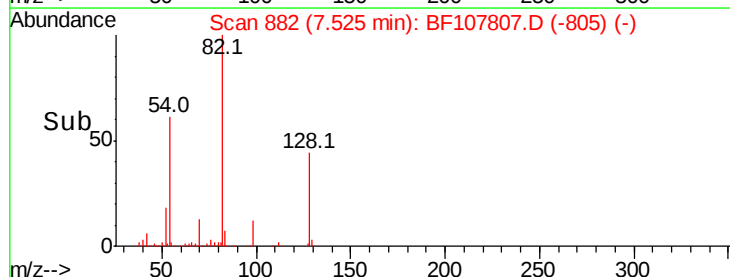
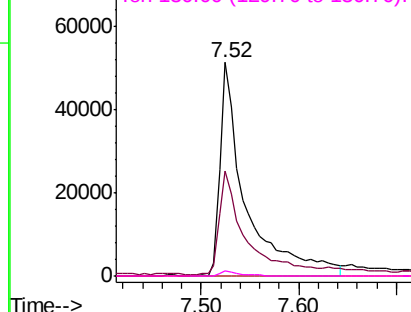
42 48.9 47.5 71.3

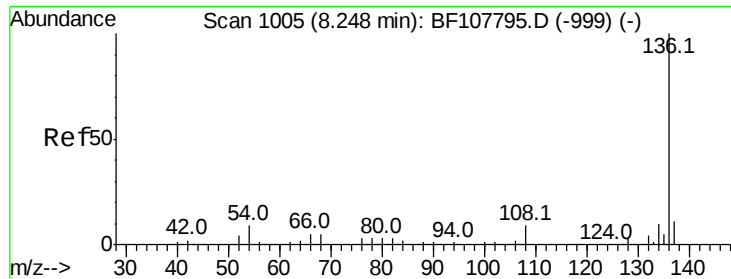
101 0.0 7.4 11.2#

130 2.4 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

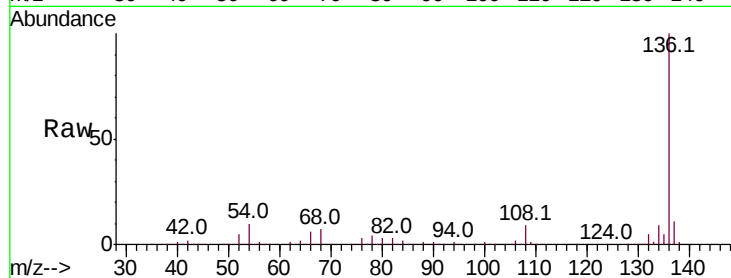




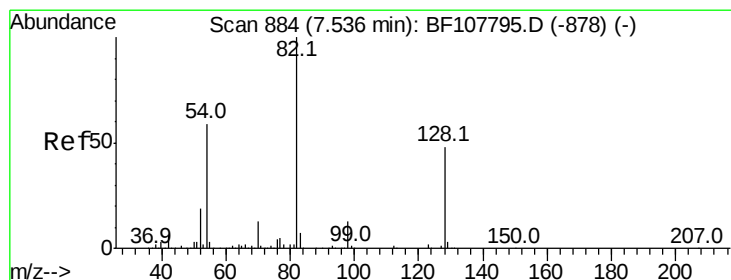
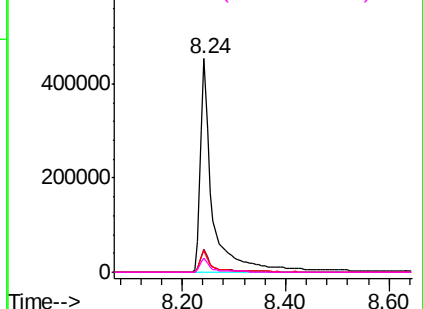
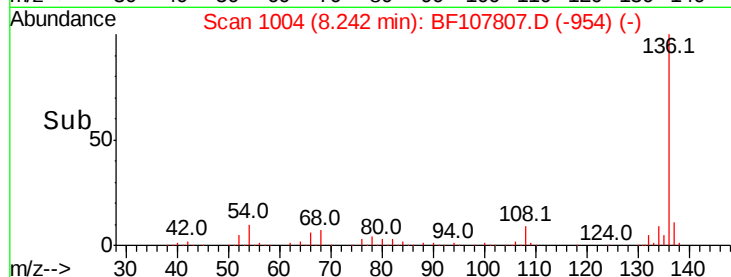
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1004
Delta R.T. -0.01 min
Lab File: BF107807.D
Acq: 30 Jul 2018 18:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	752075
Ion	Ratio	Lower	Upper
136	100		
137	10.5	8.9	13.3
54	10.0	6.6	9.8#
68	6.7	5.0	7.4

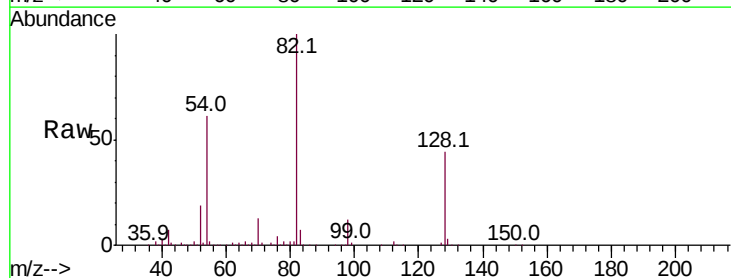


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

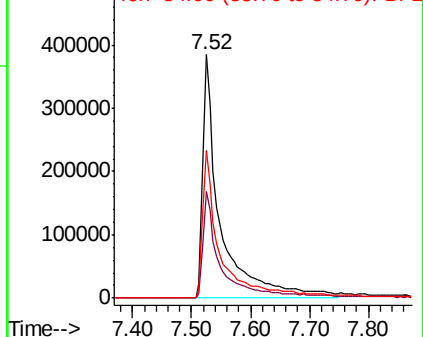
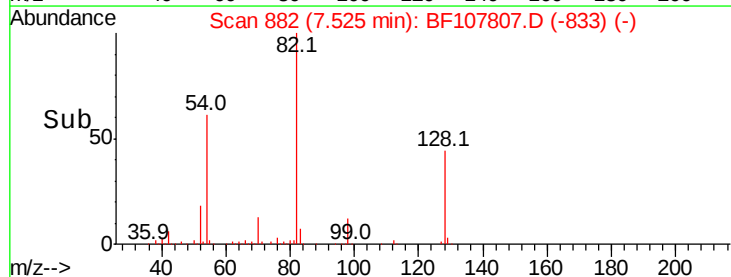


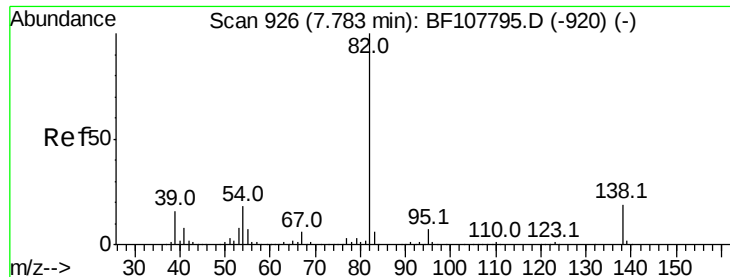
#23
Nitrobenzene-d5
Concen: 60.780 ng
RT: 7.52 min Scan# 882
Delta R.T. -0.01 min
Lab File: BF107807.D
Acq: 30 Jul 2018 18:33

Tgt Ion:	82	Resp:	793459
Ion	Ratio	Lower	Upper
82	100		
128	44.0	36.1	54.1
54	60.8	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: 37.028 ng

RT: 7.52 min Scan# 882

Delta R.T. -0.26 min

Lab File: BF107807.D

Acq: 30 Jul 2018 18:33

Instrument :

BNA_F

ClientSampleId :

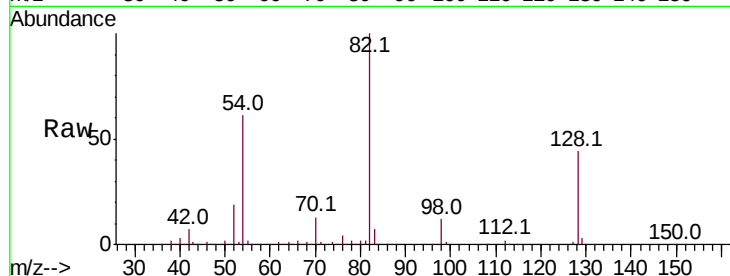
Tot Ion: 82 Resp: 793459

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

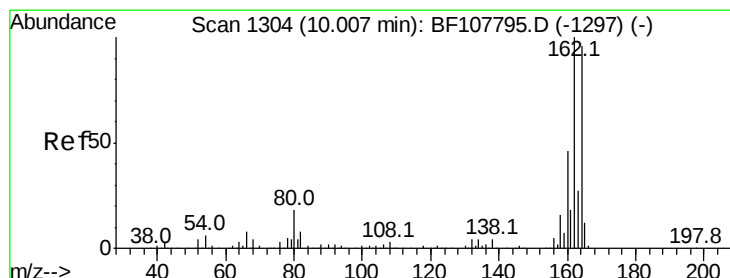
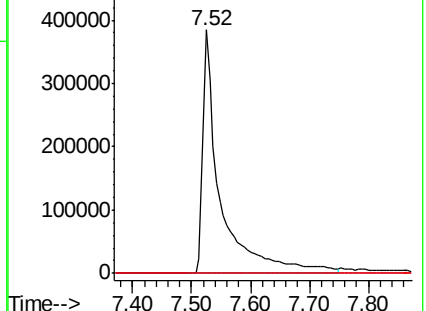
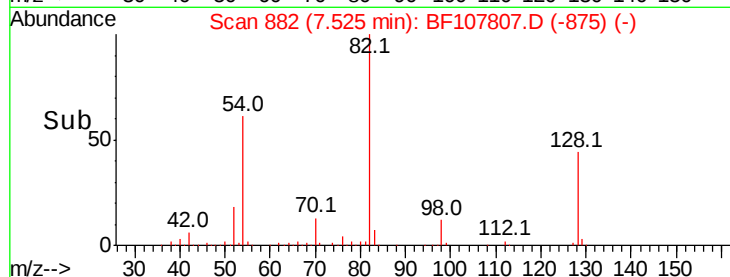
138 0.0 14.9 22.3#



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# 1303

Delta R.T. -0.01 min

Lab File: BF107807.D

Acq: 30 Jul 2018 18:33

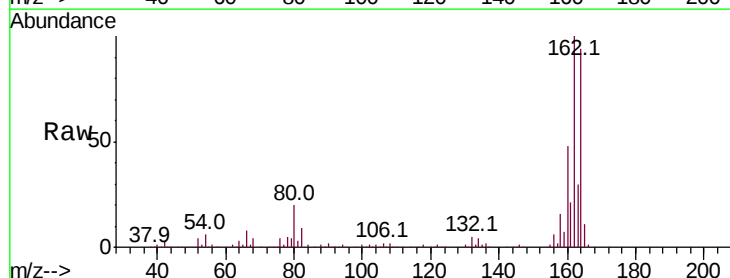
Tgt Ion:164 Resp: 353045

Ion Ratio Lower Upper

164 100

162 106.8 86.1 129.1

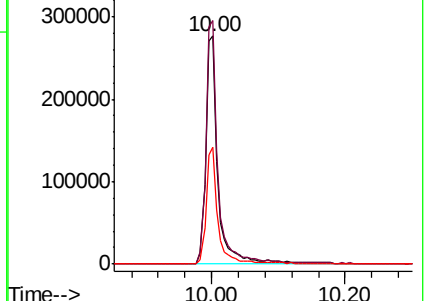
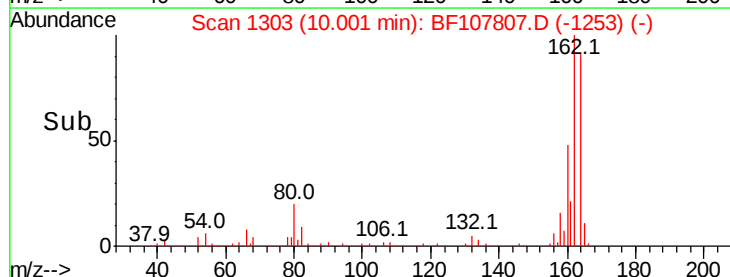
160 51.3 38.3 57.5

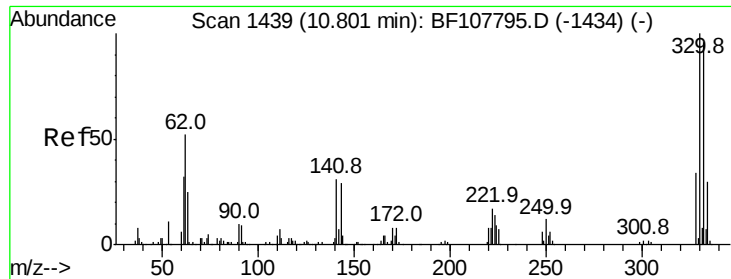


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

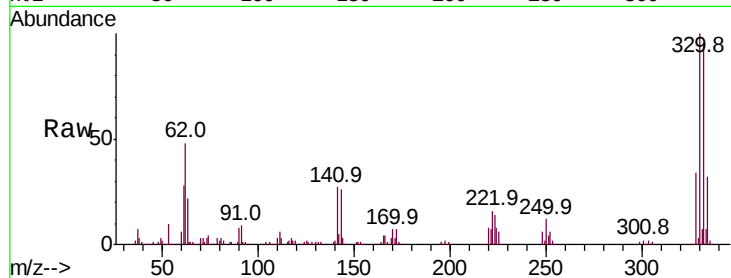




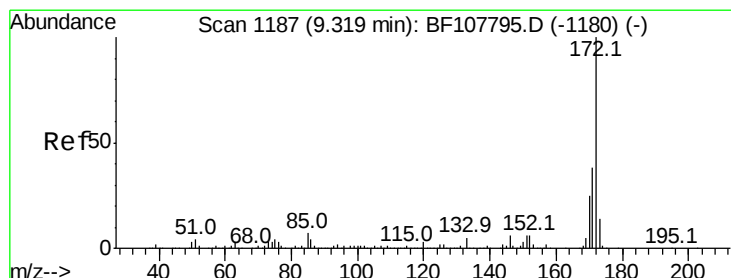
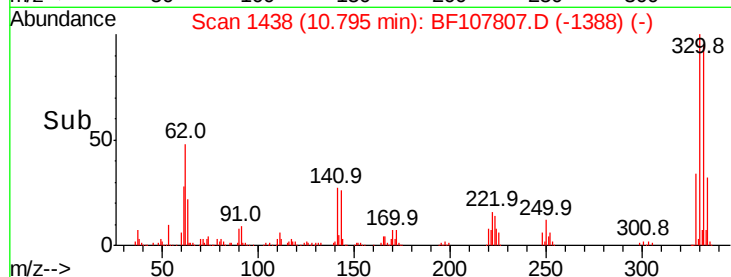
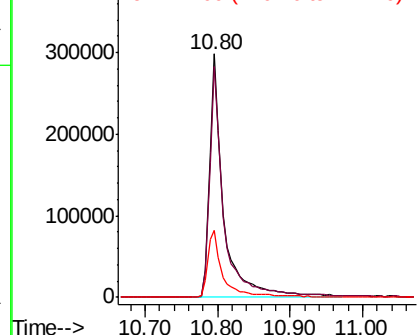
#41
 2,4,6-Tribromophenol
 Concen: 84.816 ng
 RT: 10.80 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF107807.D
 Acq: 30 Jul 2018 18:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.0	115.6
141	30.1	29.9	44.9

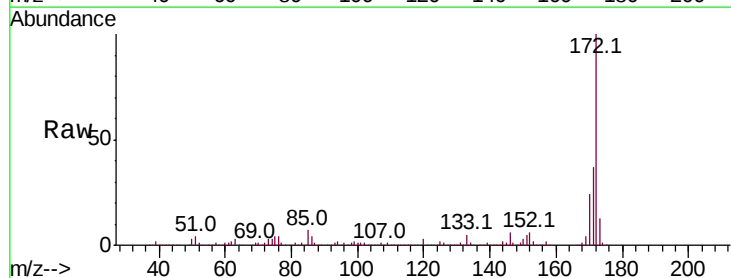


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

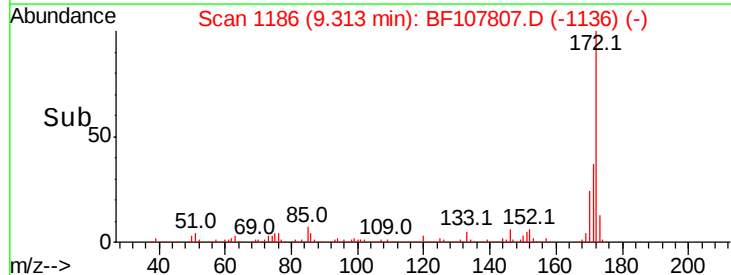
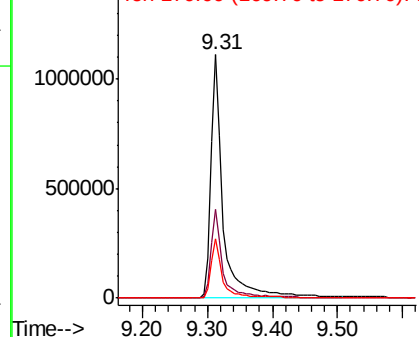


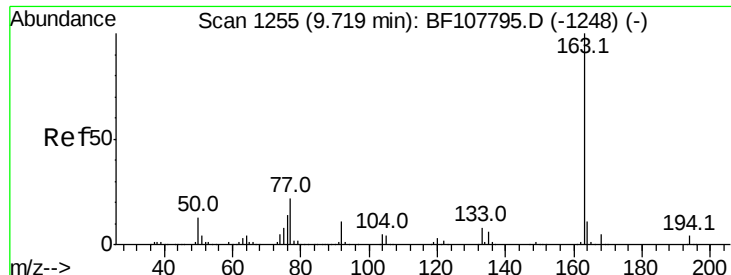
#44
 2-Fluorobiphenyl
 Concen: 58.229 ng
 RT: 9.31 min Scan# 1186
 Delta R.T. -0.01 min
 Lab File: BF107807.D
 Acq: 30 Jul 2018 18:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	29.7	44.5
170	24.5	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

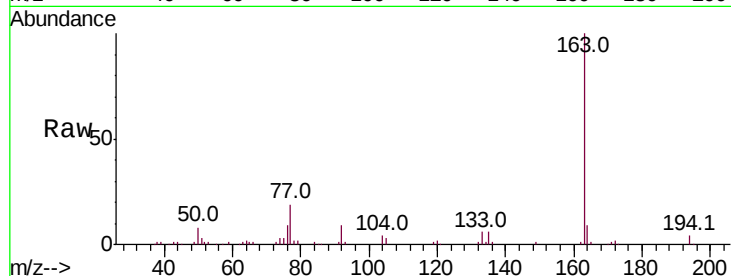




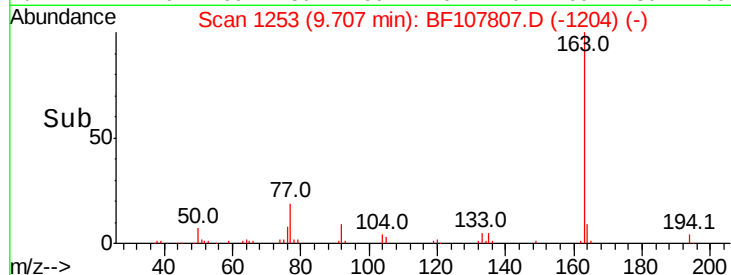
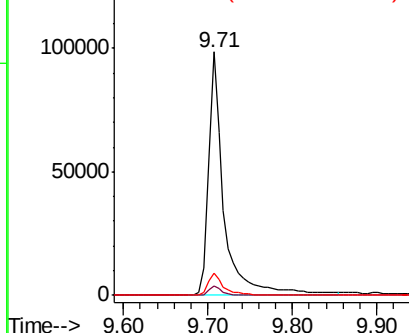
#49
Dimethylphthalate
Concen: 4.771 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.01 min
Lab File: BF107807.D
Acq: 30 Jul 2018 18:33

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 126496
Ion Ratio Lower Upper
163 100
194 3.8 2.7 4.1
164 9.4 8.2 12.2

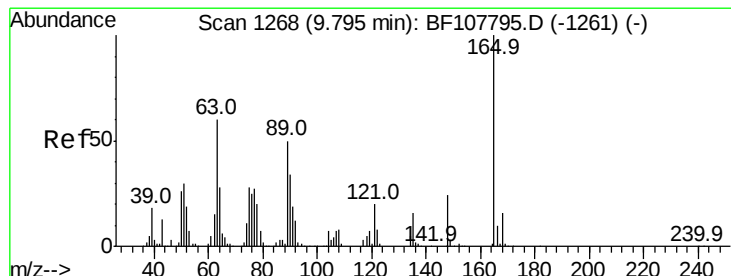


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

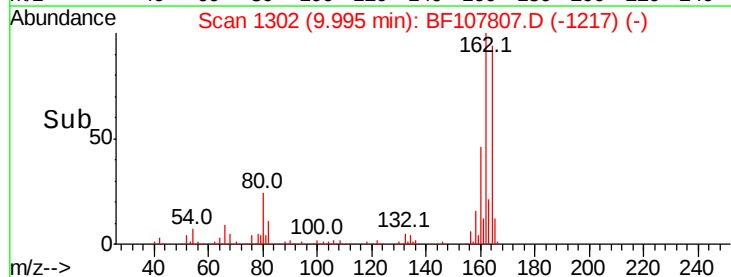
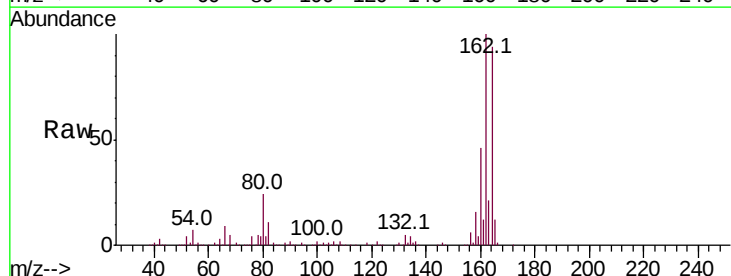
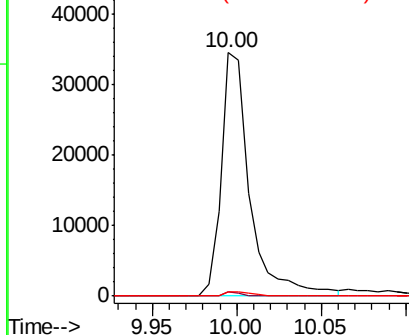


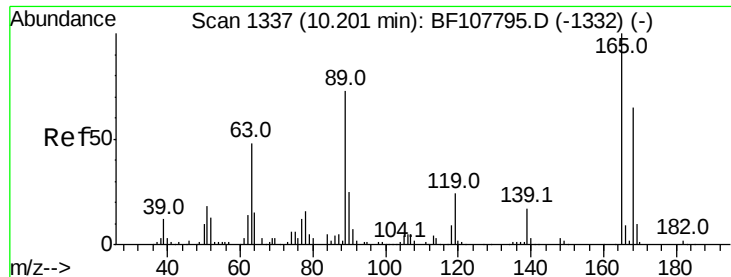
#50
2,6-Dinitrotoluene
Concen: 7.090 ng
RT: 10.00 min Scan# 1302
Delta R.T. 0.20 min
Lab File: BF107807.D
Acq: 30 Jul 2018 18:33

Tgt Ion:165 Resp: 40855
Ion Ratio Lower Upper
165 100
63 1.7 44.7 67.1#
89 1.5 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

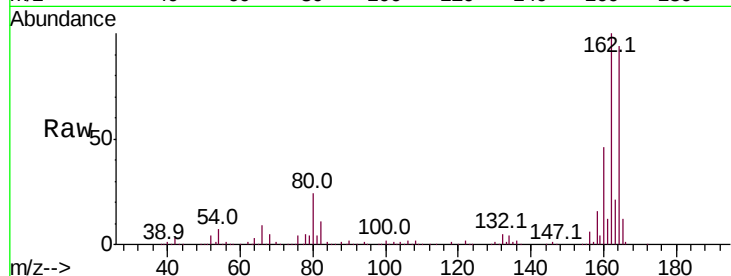




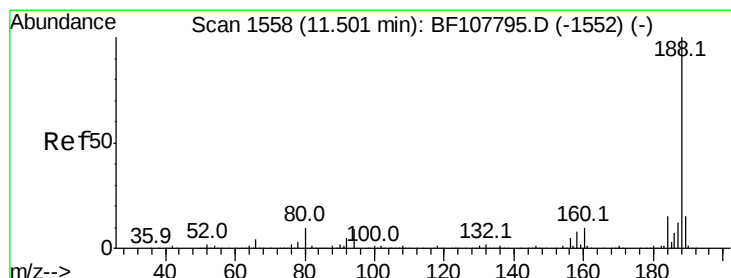
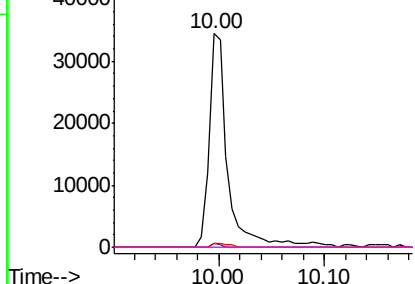
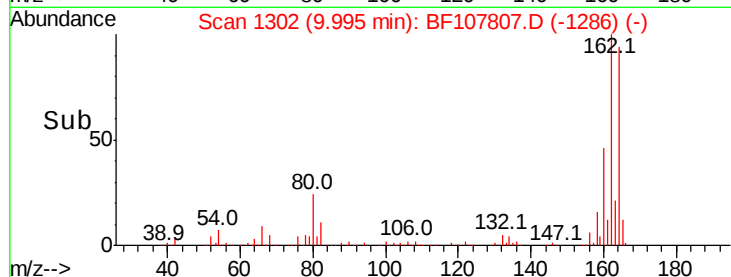
#56
 2,4-Dinitrotoluene
 Concen: 5.645 ng
 RT: 10.00 min Scan# 1302
 Delta R.T. -0.21 min
 Lab File: BF107807.D
 Acq: 30 Jul 2018 18:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 42749
 Ion Ratio Lower Upper
 165 100
 63 1.7 36.4 54.6#
 89 1.5 57.8 86.6#
 182 0.0 1.6 2.4#

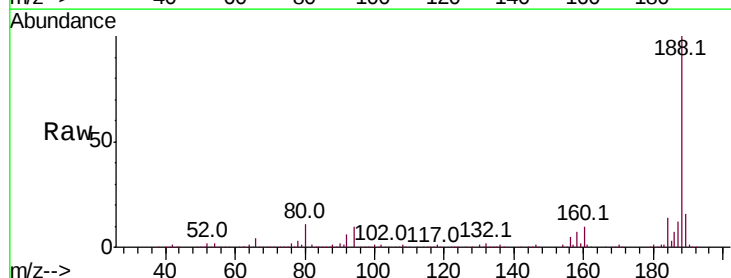


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

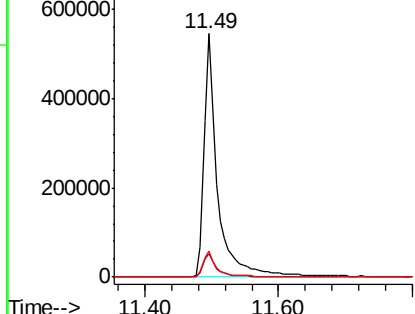
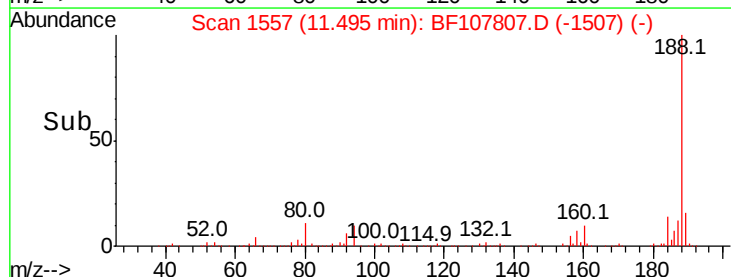


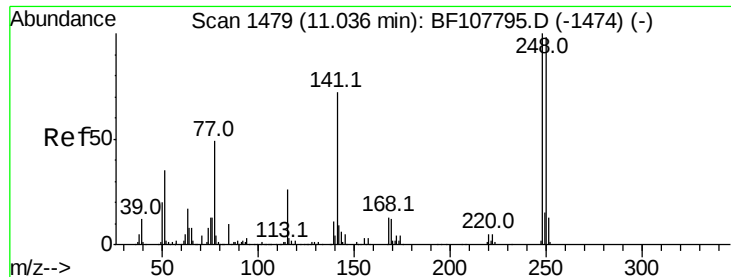
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF107807.D
 Acq: 30 Jul 2018 18:33

Tgt Ion:188 Resp: 767281
 Ion Ratio Lower Upper
 188 100
 94 9.7 8.5 12.7
 80 10.8 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

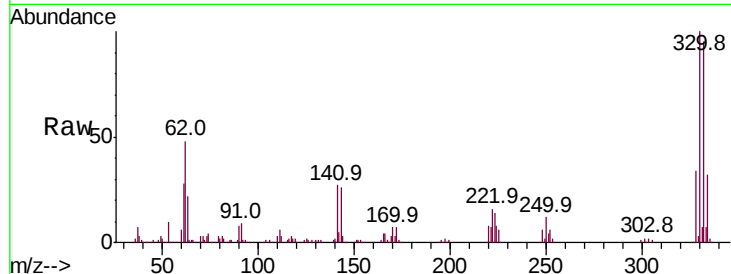




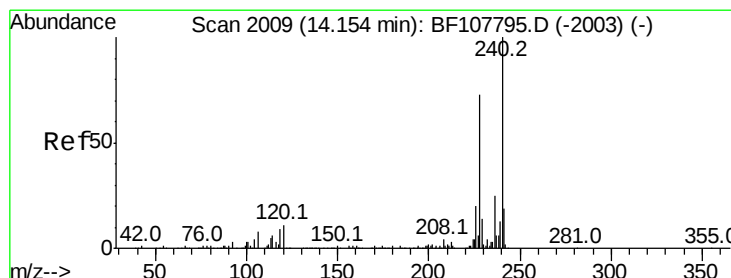
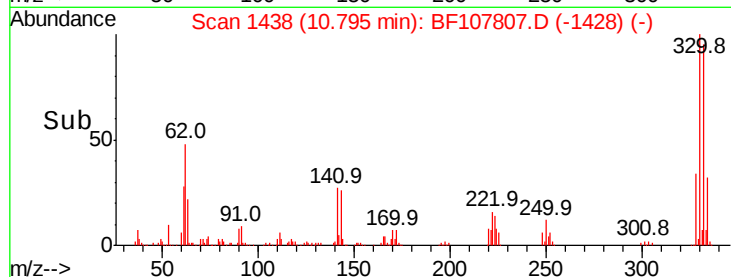
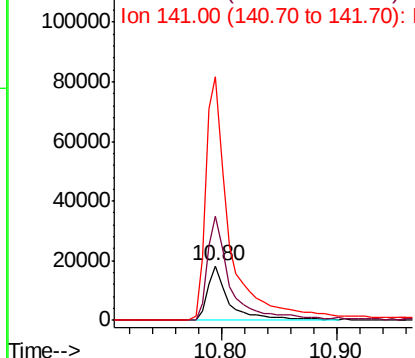
#66
4-Bromophenyl-phenylether
Concen: 2.655 ng
RT: 10.80 min Scan# 1438
Delta R.T. -0.24 min
Lab File: BF107807.D
Acq: 30 Jul 2018 18:33

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 23744
Ion Ratio Lower Upper
248 100
250 190.5 76.9 115.3#
141 447.5 74.4 111.6#

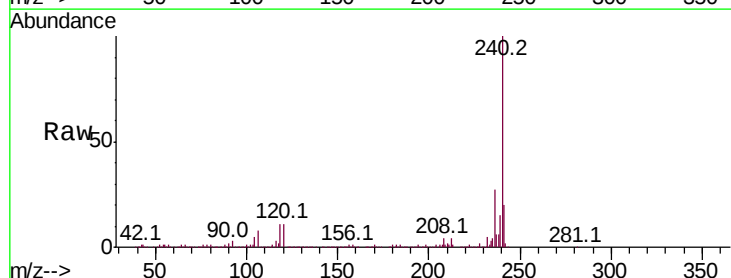


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

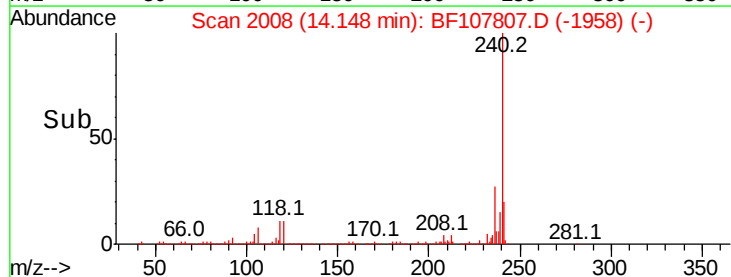
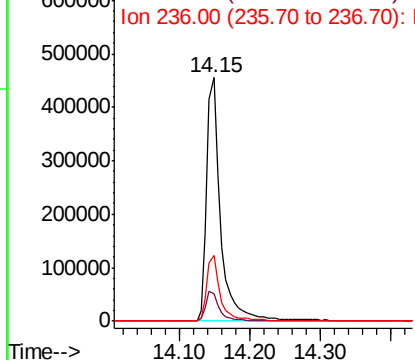


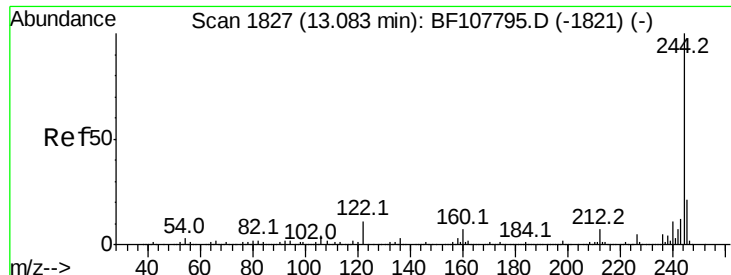
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.15 min Scan# 2008
Delta R.T. -0.01 min
Lab File: BF107807.D
Acq: 30 Jul 2018 18:33

Tgt Ion:240 Resp: 628330
Ion Ratio Lower Upper
240 100
120 11.4 9.5 14.3
236 27.1 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

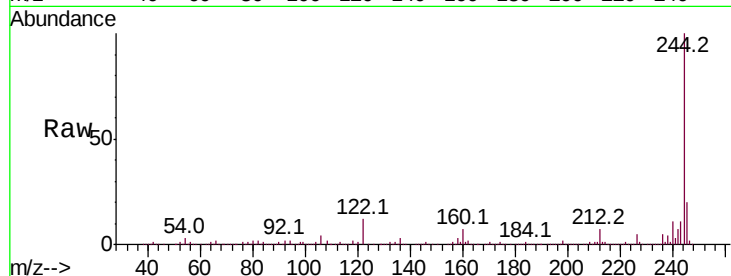




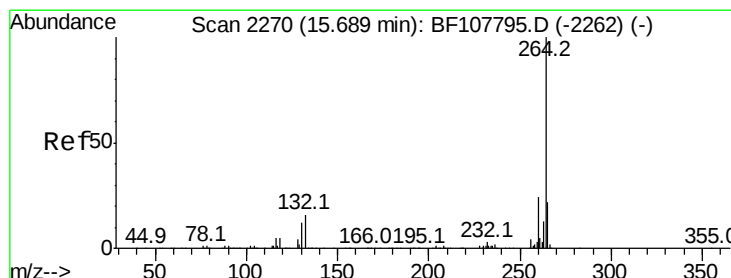
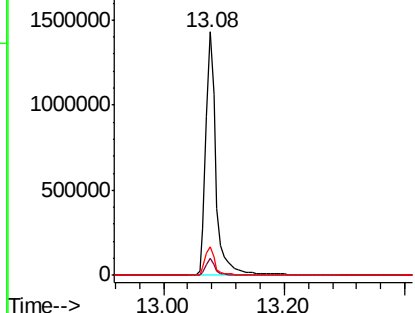
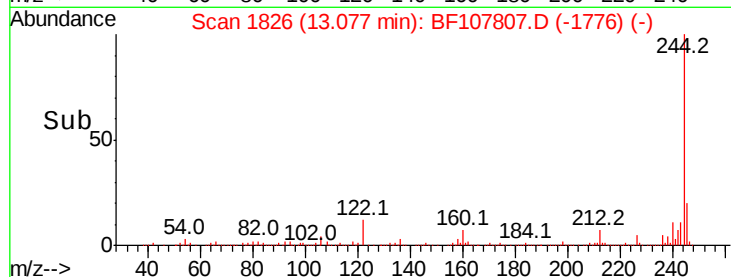
#78
 Terphenyl-d14
 Concen: 58.649 ng
 RT: 13.08 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF107807.D
 Acq: 30 Jul 2018 18:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1699436
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 11.8 11.0 16.4

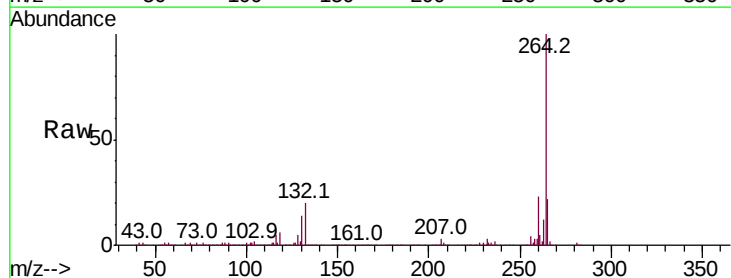


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.68 min Scan# 2268
 Delta R.T. -0.01 min
 Lab File: BF107807.D
 Acq: 30 Jul 2018 18:33

Tgt Ion:264 Resp: 493587
 Ion Ratio Lower Upper
 264 100
 260 23.4 19.2 28.8
 265 22.0 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

