

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF073018\
 Data File : BF107836.D
 Acq On : 31 Jul 2018 7:58
 Operator : JU/SJ
 Sample : J4221-01
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 31 08:24:30 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	6.97	152	170943	20.00	ng	0.00
21) Naphthalene-d8	8.25	136	722569	20.00	ng	0.00
38) Acenaphthene-d10	10.01	164	283209	20.00	ng	0.00
63) Phenanthrene-d10	11.50	188	451051	20.00	ng	0.00
75) Chrysene-d12	14.15	240	405687	20.00	ng	0.00
86) Perylene-d12	15.69	264	312887	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.61	112	119550	11.89	ng	0.01
7) Phenol-d6	6.61	99	238195	17.97	ng	0.00
23) Nitrobenzene-d5	7.53	82	676991	53.98	ng	0.00
41) 2,4,6-Tribromophenol	10.80	330	108747	28.26	ng	0.00
44) 2-Fluorobiphenyl	9.32	172	1164493	57.30	ng	0.00
78) Terphenyl-d14	13.08	244	856455	45.78	ng	0.00

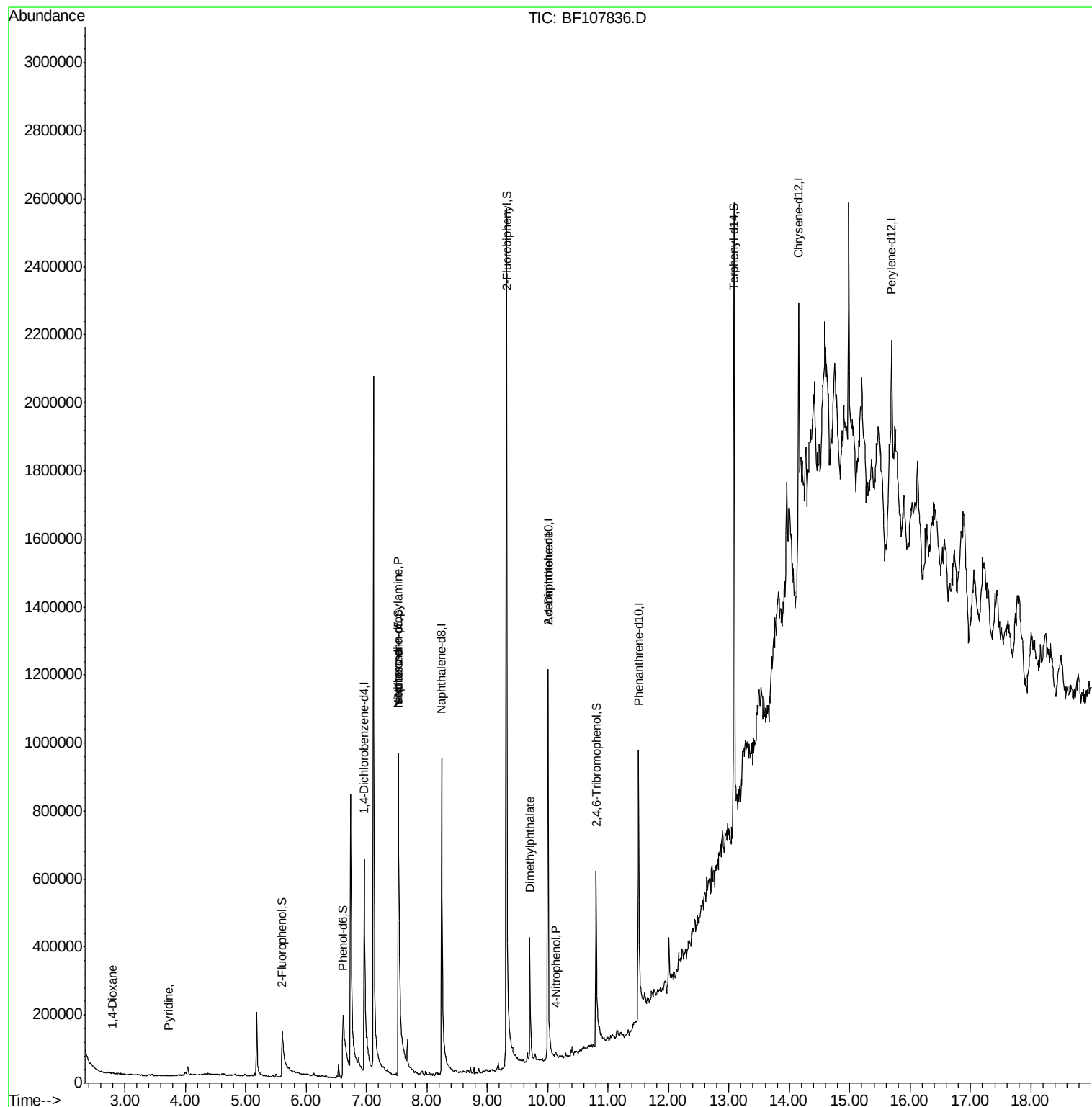
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.80	88	213	5.833	ng	# 1
3) Pyridine	3.73	79	110	6.262	ng	# 1
19) n-Nitroso-di-n-propylamine	7.53	70	80112	9.527	ng	# 82
25) Isophorone	7.53	82	689485	33.489	ng	# 64
49) Dimethylphthalate	9.71	163	196015	9.216	ng	100
55) 4-Nitrophenol	10.14	139	6576	11.432	ng	# 42
56) 2,4-Dinitrotoluene	10.01	165	34940	5.751	ng	# 24

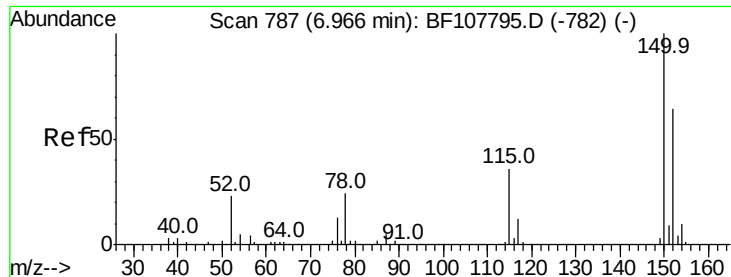
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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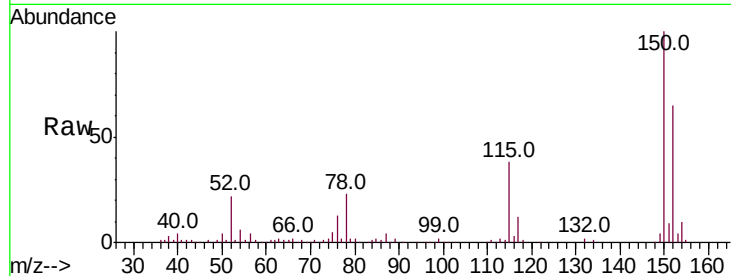


#1

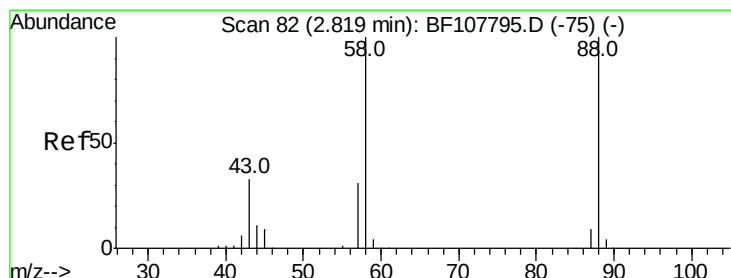
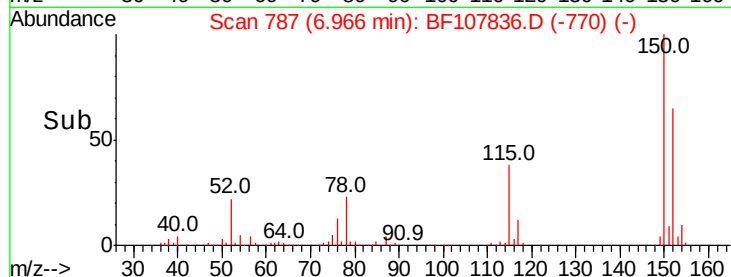
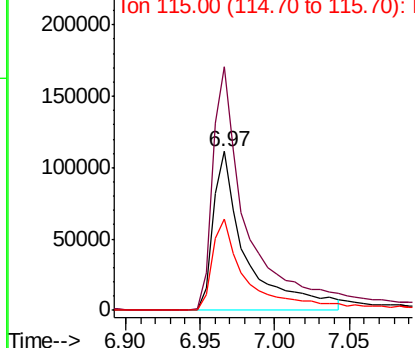
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.97 min Scan# 787
Delta R.T. 0.00 min
Lab File: BF107836.D
Acq: 31 Jul 2018 7:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 170943
Ion Ratio Lower Upper
152 100
150 153.4 124.6 186.8
115 57.8 50.1 75.1



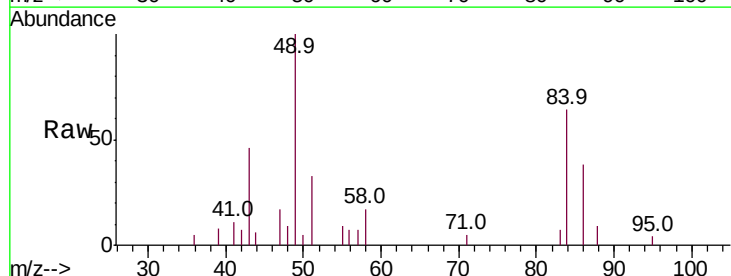
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



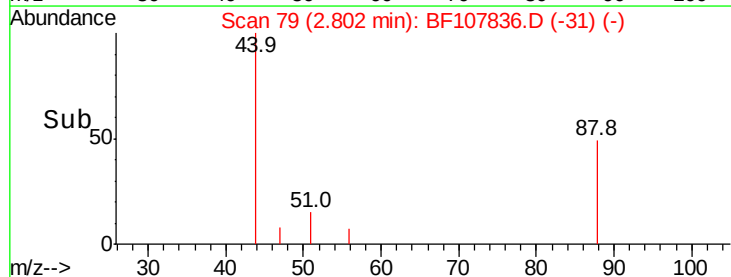
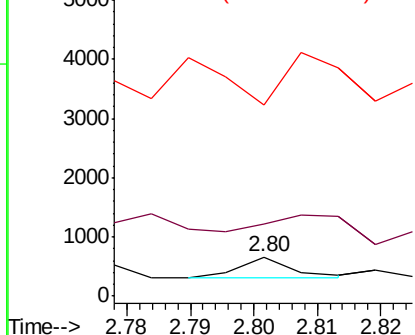
#2

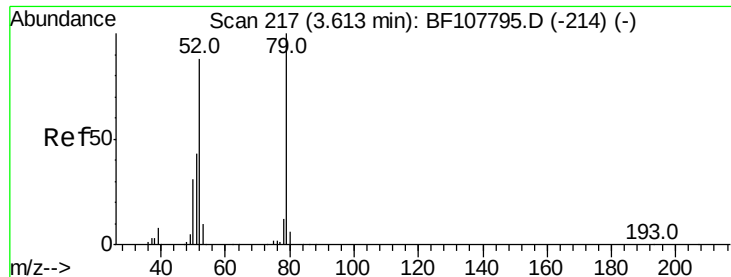
1,4-Dioxane
Concen: 5.833 ng
RT: 2.80 min Scan# 79
Delta R.T. -0.02 min
Lab File: BF107836.D
Acq: 31 Jul 2018 7:58

Tgt Ion: 88 Resp: 213
Ion Ratio Lower Upper
88 100
58 223.5 62.6 93.8#
43 254.0 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





#3

Pvridine

Concen: 6.262 ng

RT: 3.73 min Scan# 237

Delta R.T. 0.12 min

Lab File: BF107836.D

Acq: 31 Jul 2018 7:58

Instrument :

BNA_F

ClientSampleId :

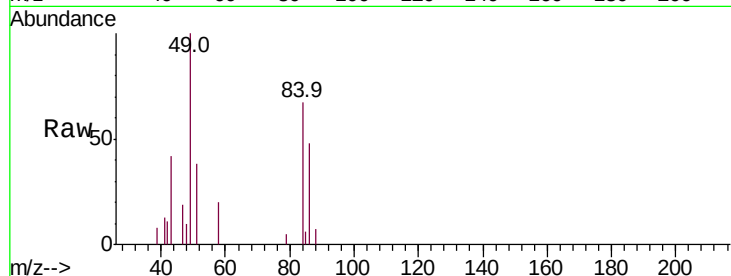
Tot Ion: 79 Resp: 110

Ion Ratio Lower Upper

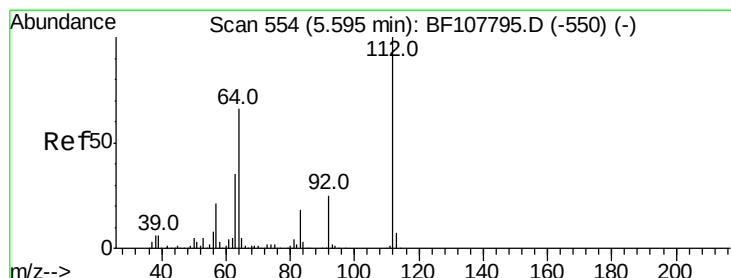
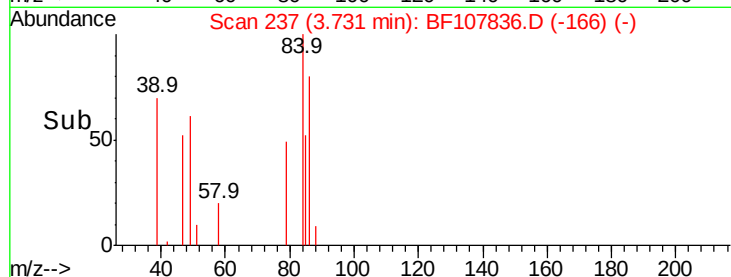
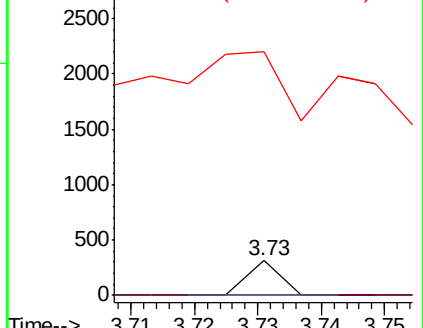
79 100

52 0.0 59.8 89.6#

51 705.1 29.8 44.8#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 52.00 (51.70 to 52.70): BF1
Ion 51.00 (50.70 to 51.70): BF1



#5

2-Fluorophenol

Concen: 11.886 ng

RT: 5.61 min Scan# 556

Delta R.T. 0.01 min

Lab File: BF107836.D

Acq: 31 Jul 2018 7:58

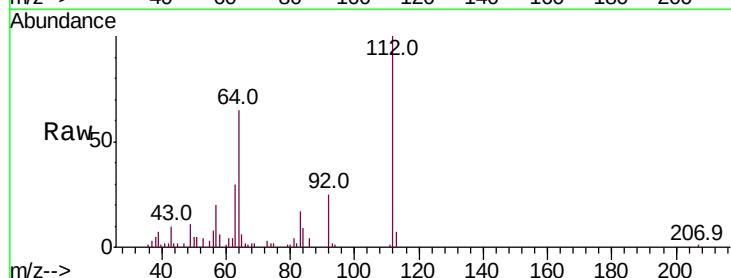
Tgt Ion: 112 Resp: 119550

Ion Ratio Lower Upper

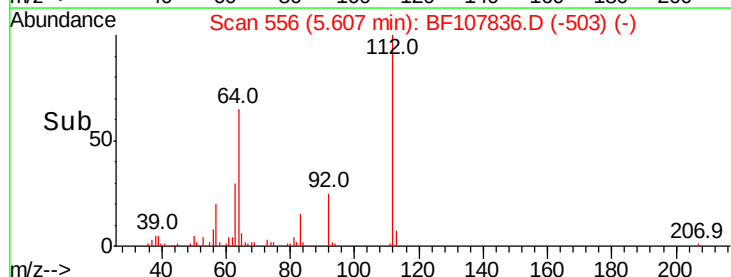
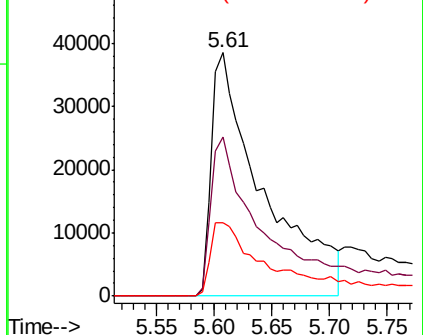
112 100

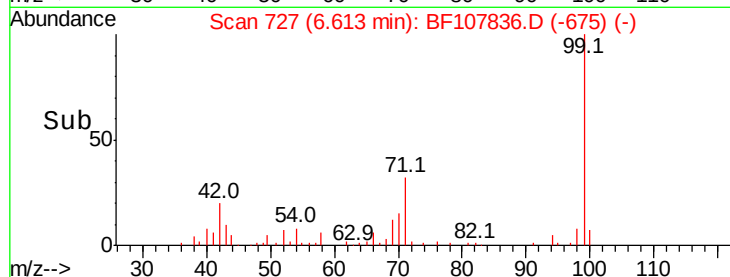
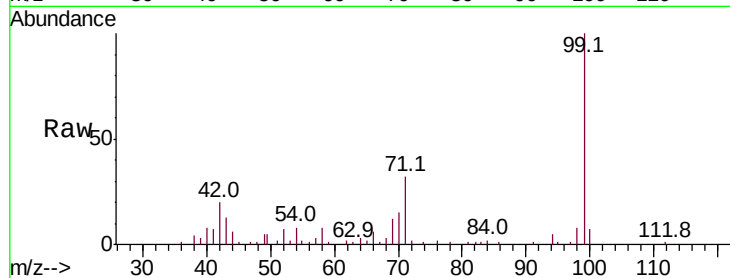
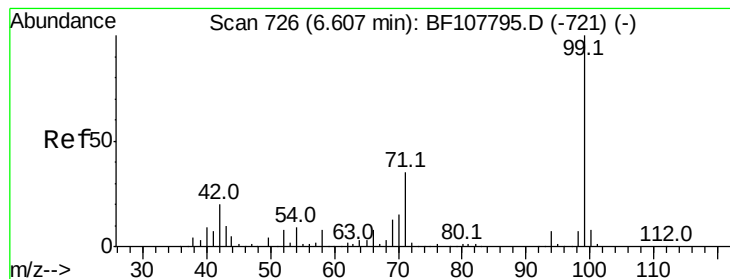
64 65.4 47.9 71.9

63 30.0 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): BF1
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 17.969 ng

RT: 6.61 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF107836.D

Acq: 31 Jul 2018 7:58

Instrument :

BNA_F

ClientSampleId :

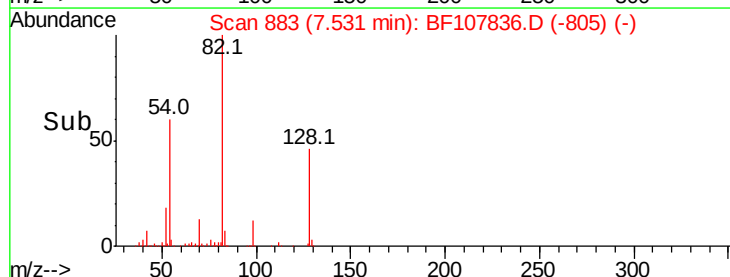
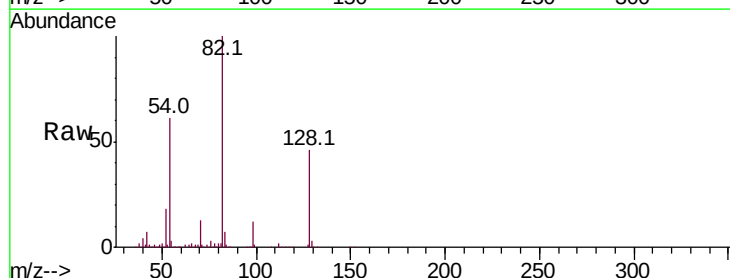
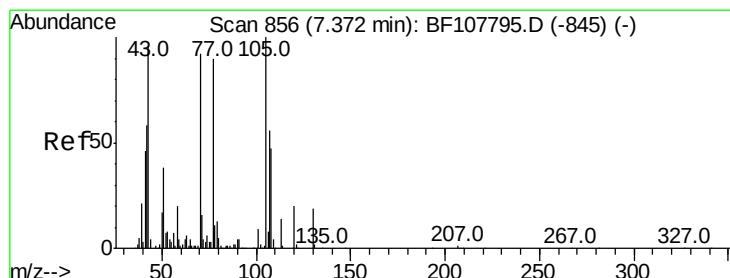
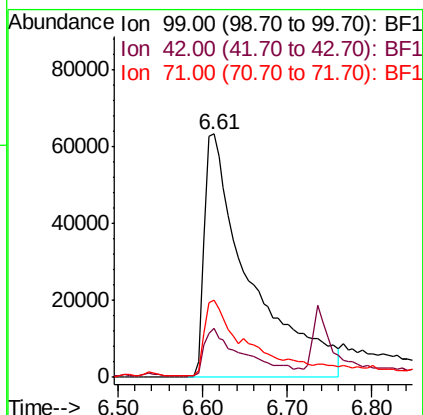
Tot Ion: 99 Resp: 238195

Ion Ratio Lower Upper

99 100

42 20.2 14.5 21.7

71 31.6 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 9.527 ng

RT: 7.53 min Scan# 883

Delta R.T. 0.16 min

Lab File: BF107836.D

Acq: 31 Jul 2018 7:58

Tgt Ion: 70 Resp: 80112

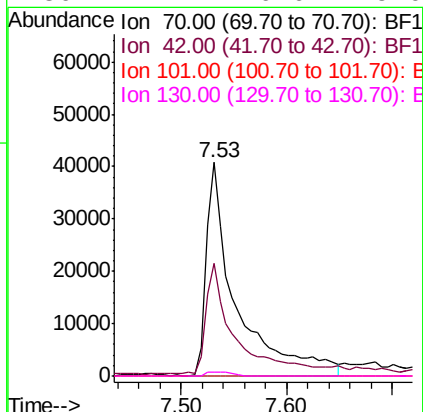
Ion Ratio Lower Upper

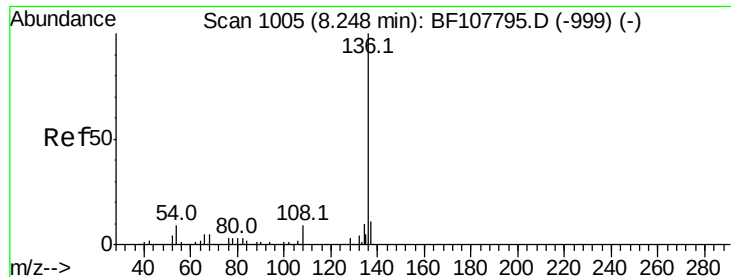
70 100

42 52.8 47.5 71.3

101 0.0 7.4 11.2#

130 1.7 16.6 25.0#

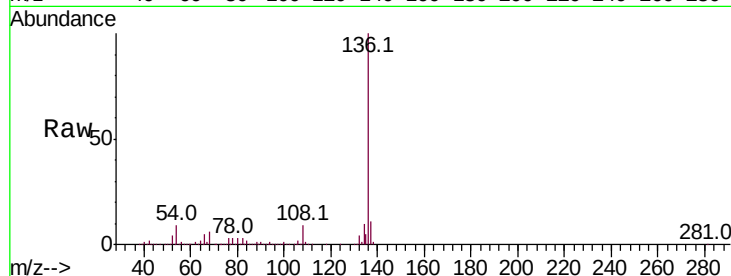




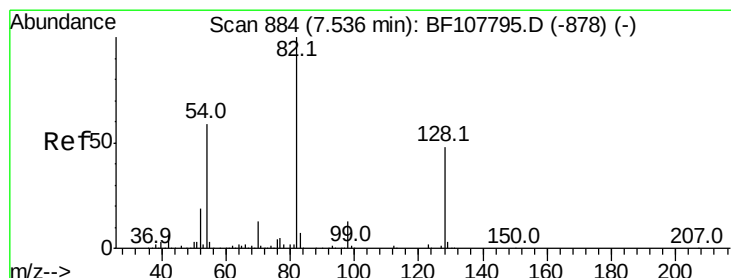
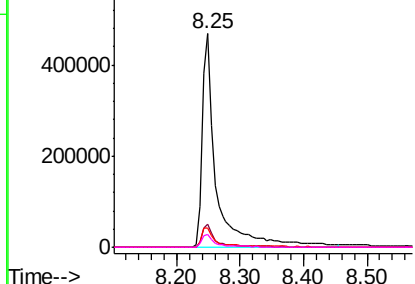
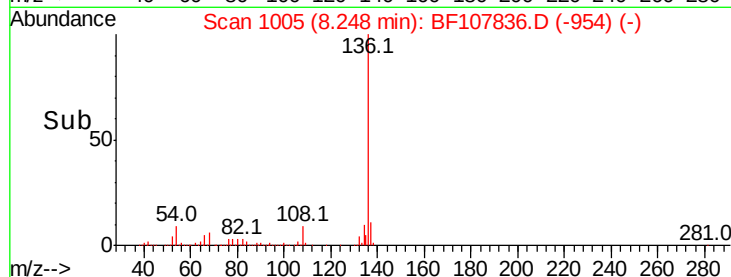
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.25 min Scan# 1005
Delta R.T. 0.00 min
Lab File: BF107836.D
Acq: 31 Jul 2018 7:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	722569
Ion Ratio	Lower	Upper
136 100		
137 10.9	8.9	13.3
54 9.1	6.6	9.8
68 6.0	5.0	7.4

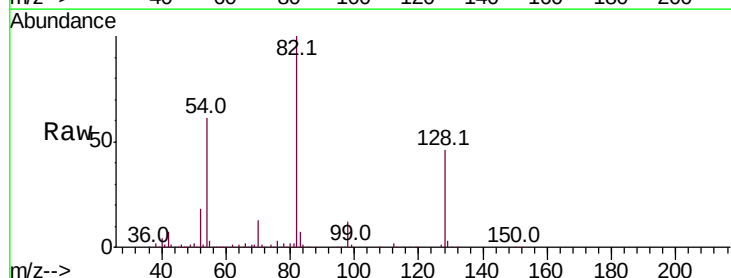


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

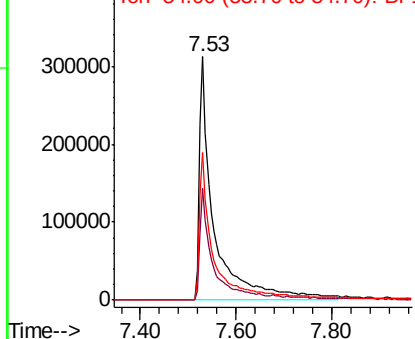
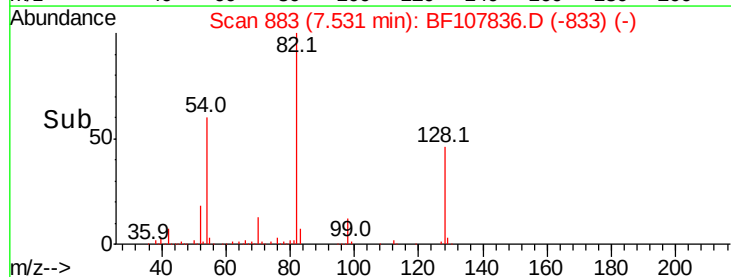


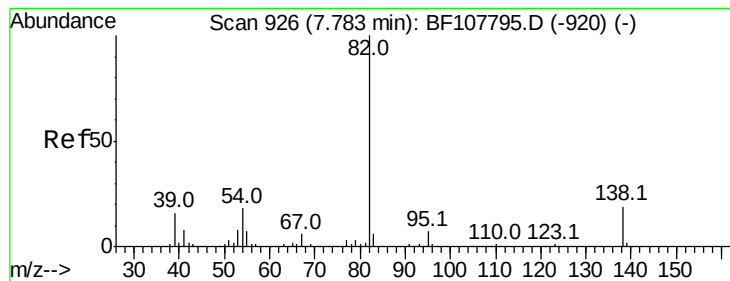
#23
Nitrobenzene-d5
Concen: 53.976 ng
RT: 7.53 min Scan# 883
Delta R.T. -0.01 min
Lab File: BF107836.D
Acq: 31 Jul 2018 7:58

Tgt Ion: 82	Resp: 676991
Ion Ratio	Lower Upper
82 100	
128 45.7	36.1 54.1
54 60.6	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: 33.489 ng

RT: 7.53 min Scan# 883

Delta R.T. -0.25 min

Lab File: BF107836.D

Acq: 31 Jul 2018 7:58

Instrument :

BNA_F

ClientSampleId :

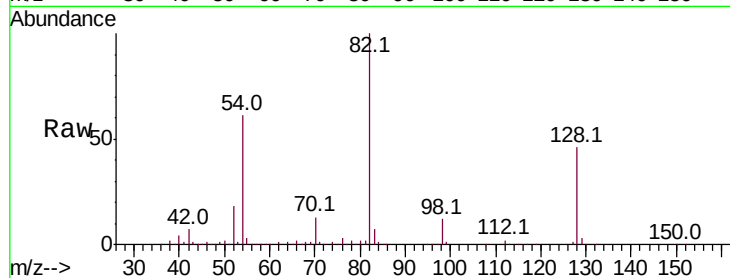
Tot Ion: 82 Resp: 689485

Ion Ratio Lower Upper

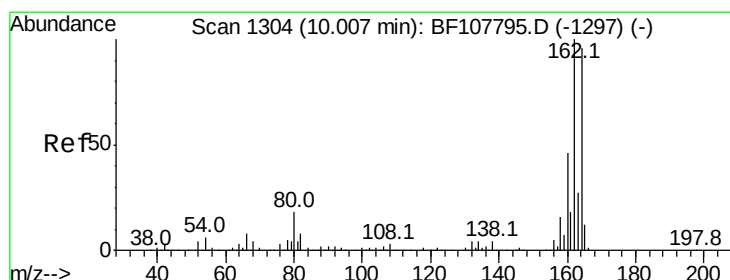
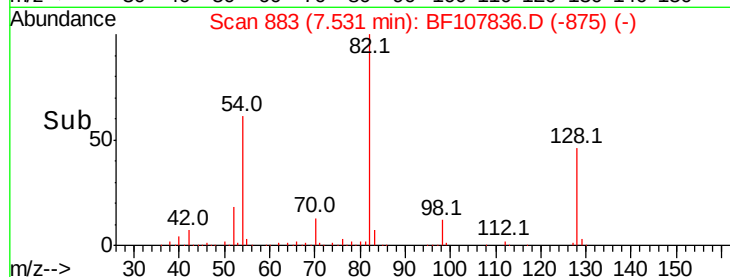
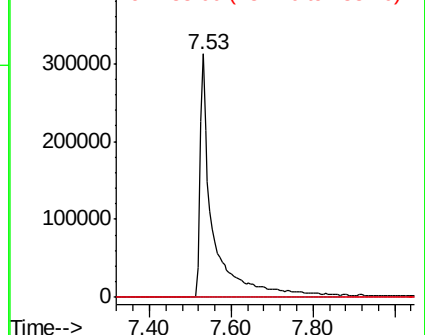
82 100

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



#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.01 min Scan# 1304

Delta R.T. 0.00 min

Lab File: BF107836.D

Acq: 31 Jul 2018 7:58

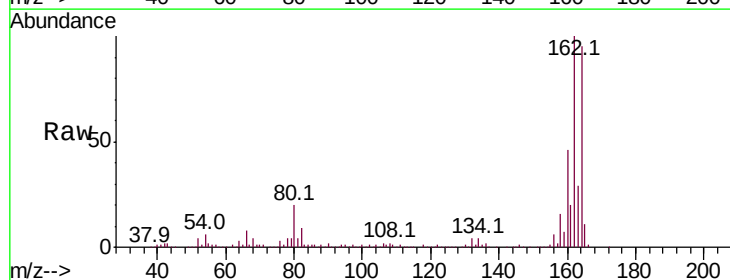
Tgt Ion: 164 Resp: 283209

Ion Ratio Lower Upper

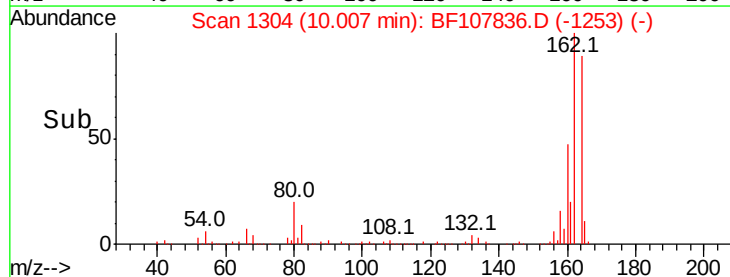
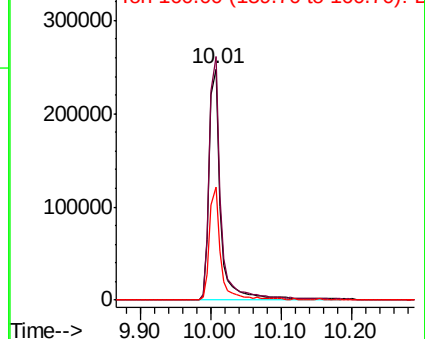
164 100

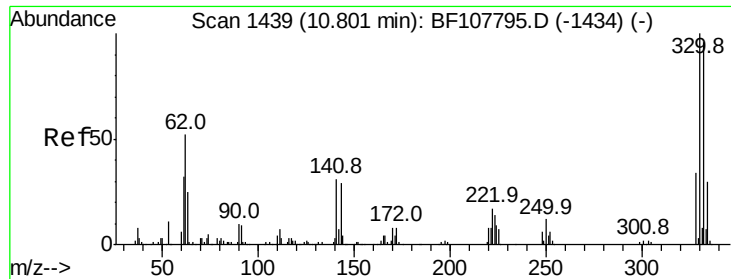
162 105.5 86.1 129.1

160 48.9 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

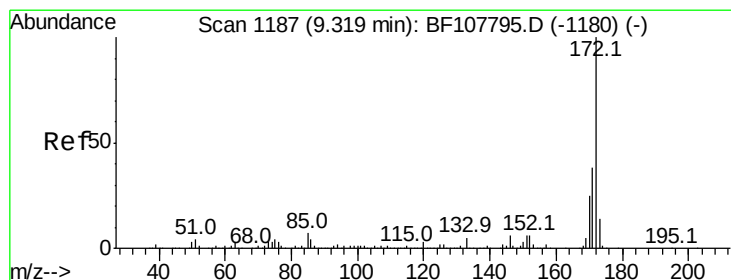
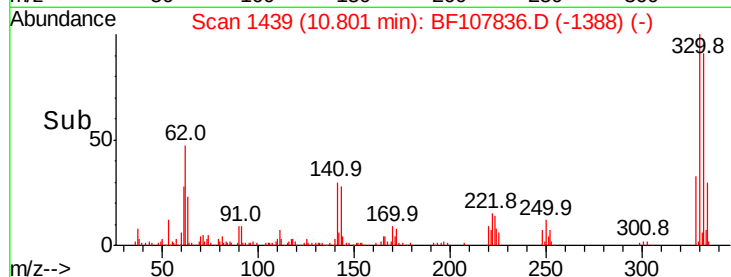
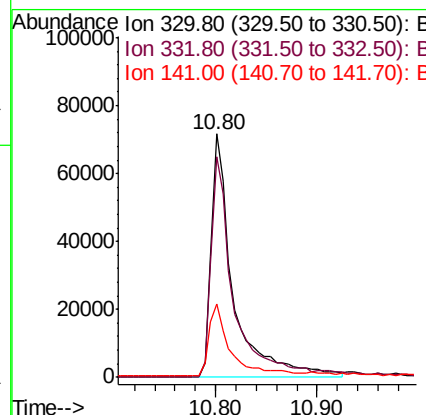
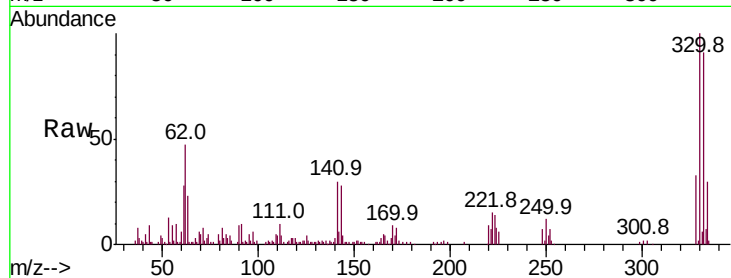




#41
 2,4,6-Tribromophenol
 Concen: 28.259 ng
 RT: 10.80 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: BF107836.D
 Acq: 31 Jul 2018 7:58

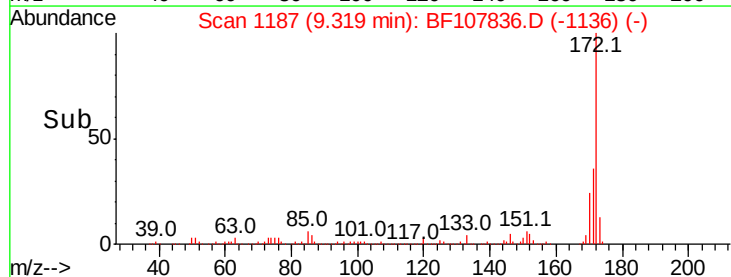
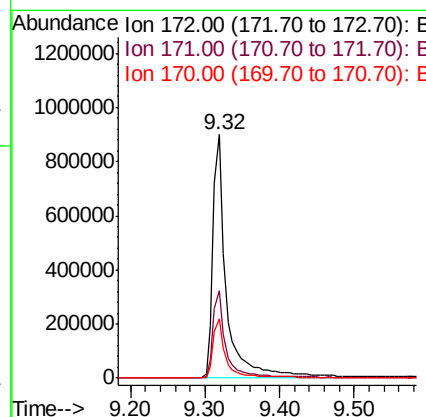
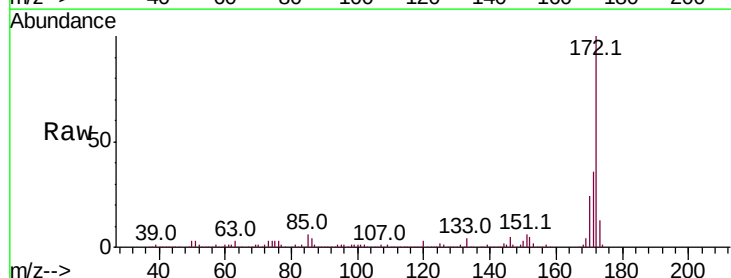
Instrument :
 BNA_F
 ClientSampled :

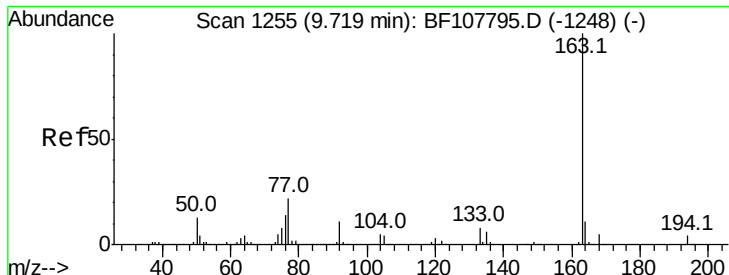
Tot Ion	Ratio	Lower	Upper
330	100		
332	91.2	77.0	115.6
141	28.0	29.9	44.9#



#44
 2-Fluorobiphenyl
 Concen: 57.297 ng
 RT: 9.32 min Scan# 1187
 Delta R.T. 0.00 min
 Lab File: BF107836.D
 Acq: 31 Jul 2018 7:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.7	44.5
170	24.2	19.6	29.4

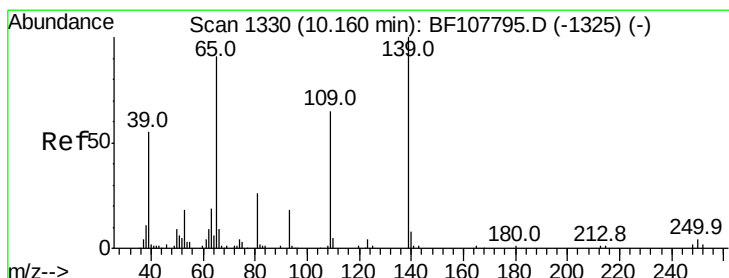
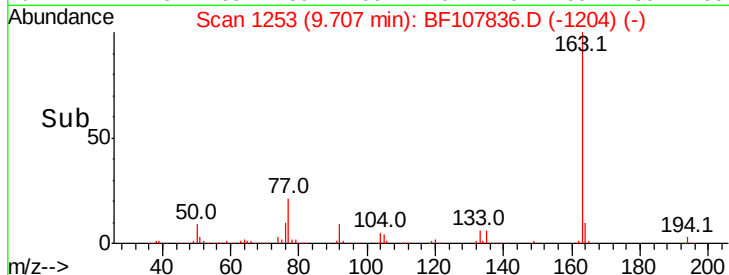
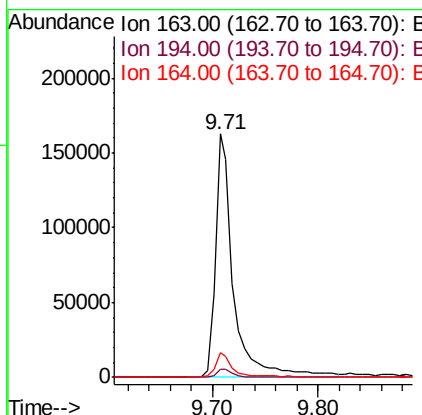
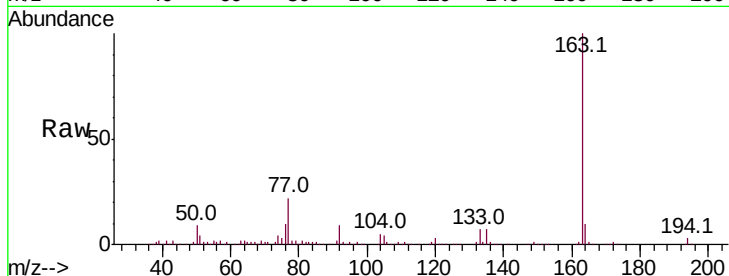




#49
Dimethylphthalate
Concen: 9.216 ng
RT: 9.71 min Scan# 1253
Delta R.T. -0.01 min
Lab File: BF107836.D
Acq: 31 Jul 2018 7:58

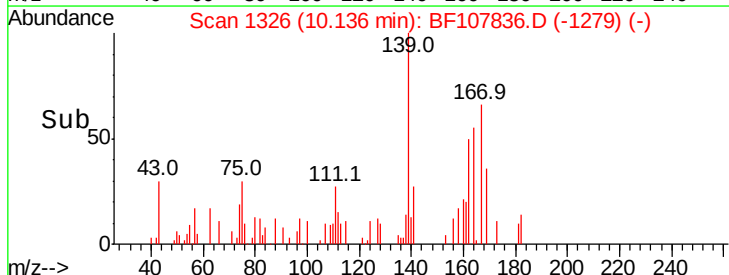
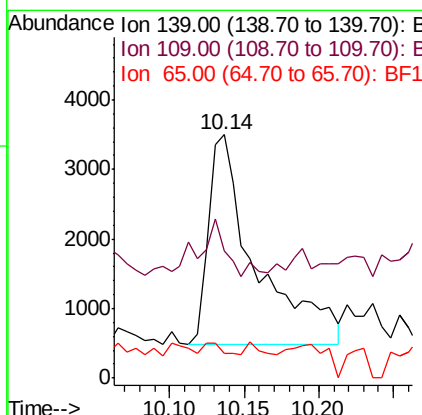
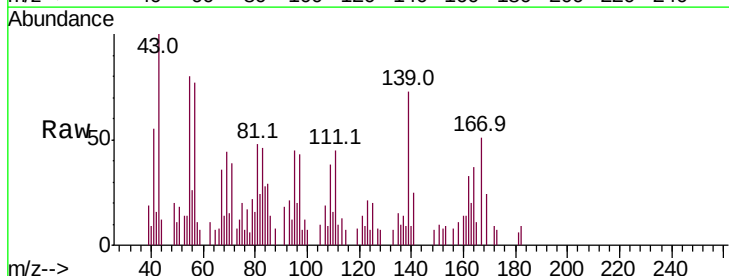
Instrument :
BNA_F
ClientSampleId :

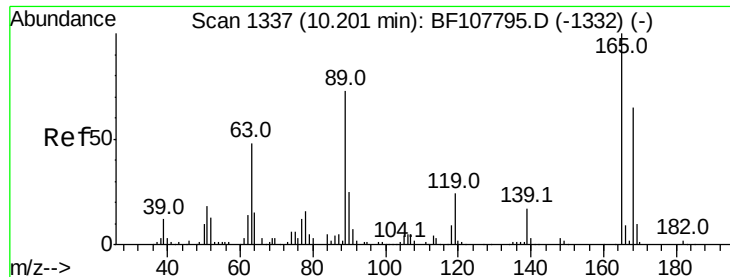
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.7	4.1
164	10.0	8.2	12.2



#55
4-Nitrophenol
Concen: 11.432 ng
RT: 10.14 min Scan# 1326
Delta R.T. -0.02 min
Lab File: BF107836.D
Acq: 31 Jul 2018 7:58

Tgt Ion	Ratio	Lower	Upper
139	100		
109	52.0	48.4	88.4
65	10.2	72.6	112.6

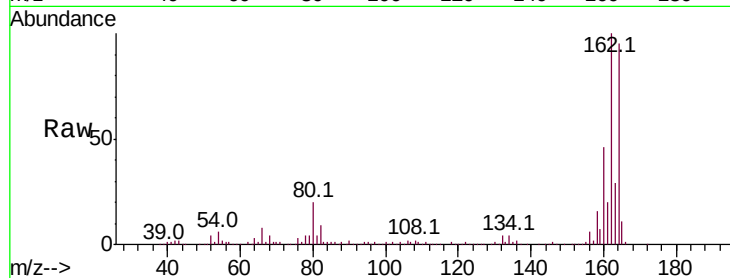




#56
 2,4-Dinitrotoluene
 Concen: 5.751 ng
 RT: 10.01 min Scan# 1304
 Delta R.T. -0.19 min
 Lab File: BF107836.D
 Acq: 31 Jul 2018 7:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#

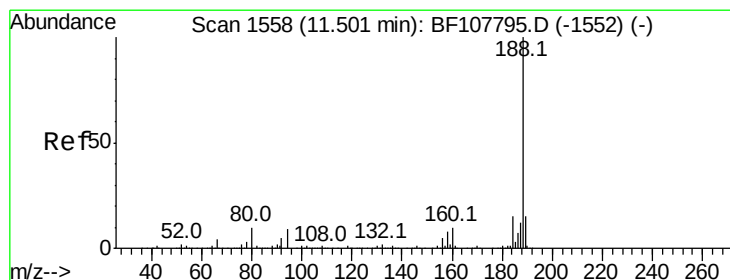
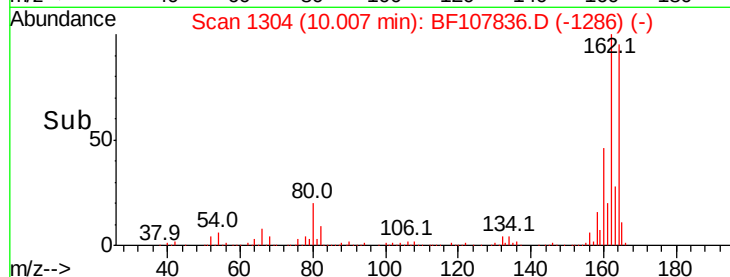
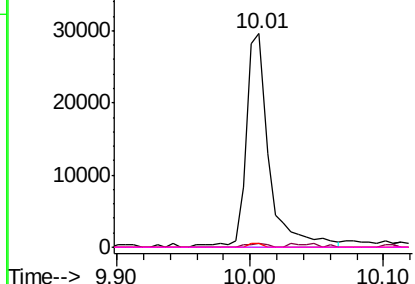


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

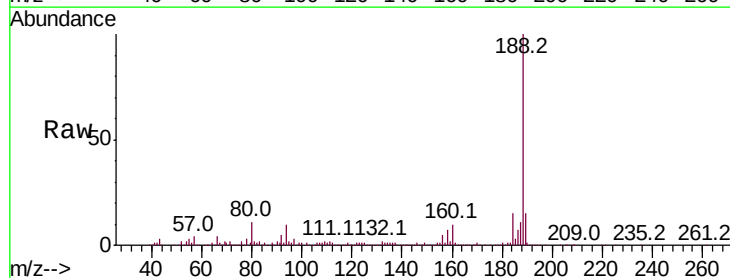
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.50 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: BF107836.D
 Acq: 31 Jul 2018 7:58

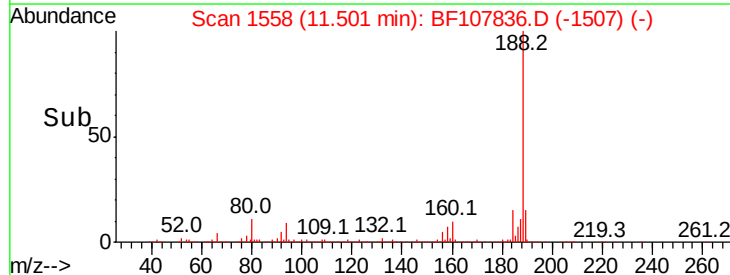
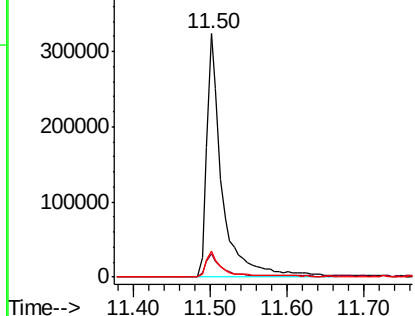
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.5	8.5	12.7
80	10.7	9.2	13.8

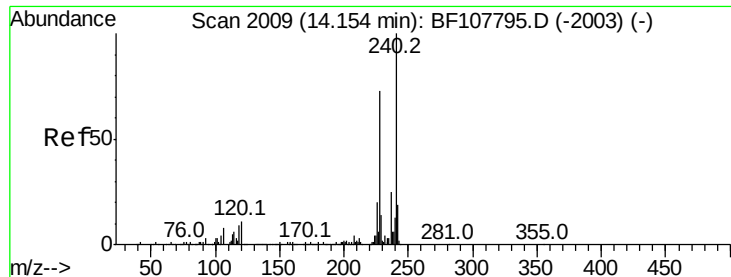


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#75

Chrysene-d12

Concen: 20.000 ng

RT: 14.15 min Scan# 2009

Delta R.T. 0.00 min

Lab File: BF107836.D

Acq: 31 Jul 2018 7:58

Instrument :

BNA_F

ClientSampleId :

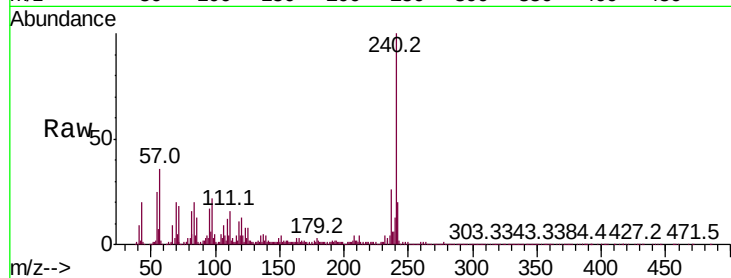
Tot Ion:240 Resp: 405687

Ion Ratio Lower Upper

240 100

120 12.9 9.5 14.3

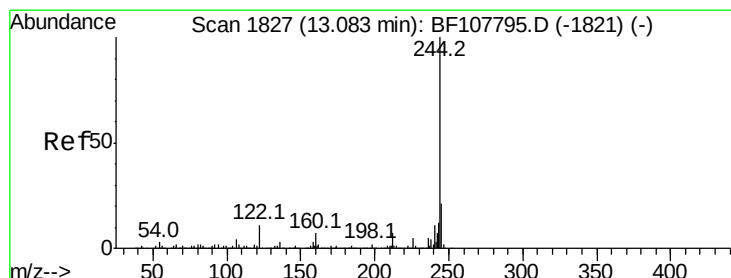
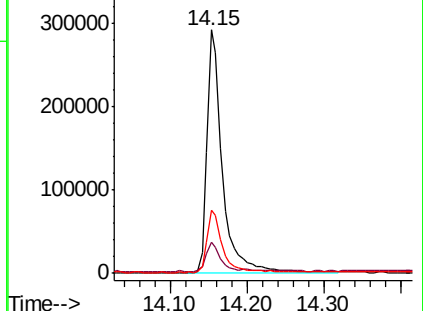
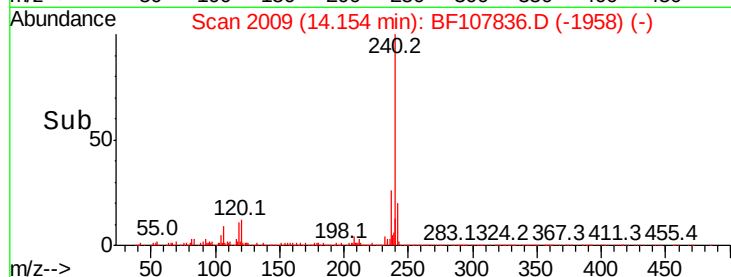
236 26.0 20.7 31.1



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: 45.778 ng

RT: 13.08 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BF107836.D

Acq: 31 Jul 2018 7:58

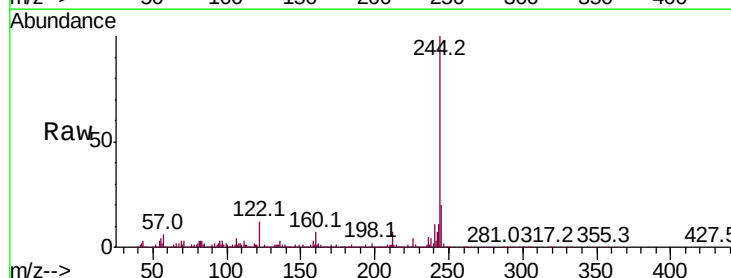
Tgt Ion:244 Resp: 856455

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

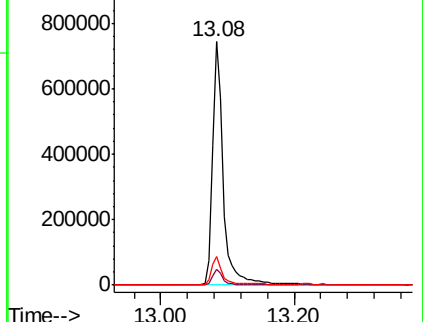
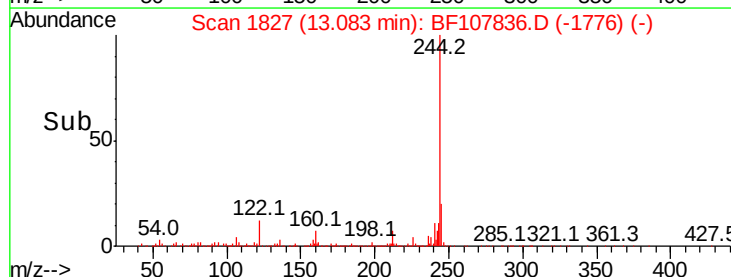
122 11.8 11.0 16.4

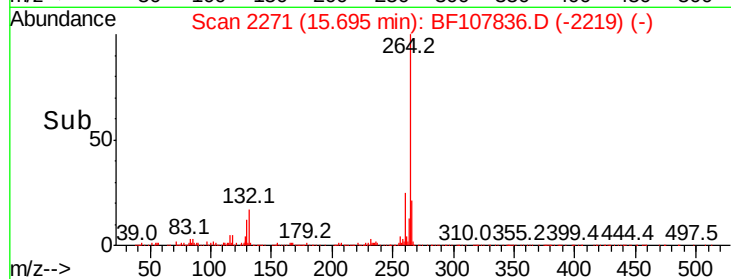
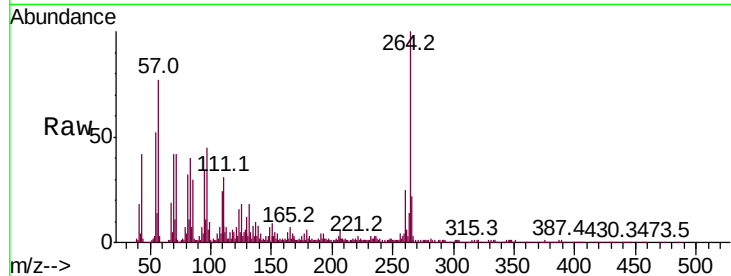
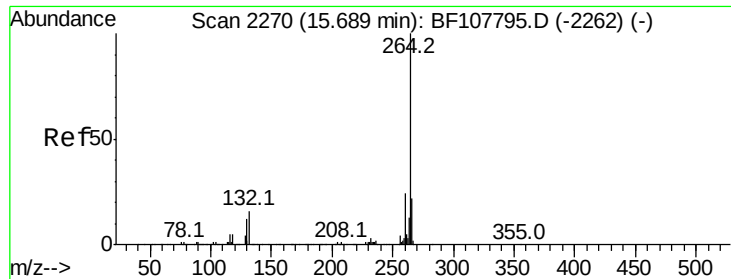


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.69 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: BF107836.D
 Acq: 31 Jul 2018 7:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.8	19.2	28.8
265	21.6	17.5	26.3

