

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101817\
 Data File : BF099646.D
 Acq On : 19 Oct 2017 5:31
 Operator : SJ/JU
 Sample : I5929-04
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 19 16:22:35 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 18 22:24:53 2017
 Response via : Initial Calibration

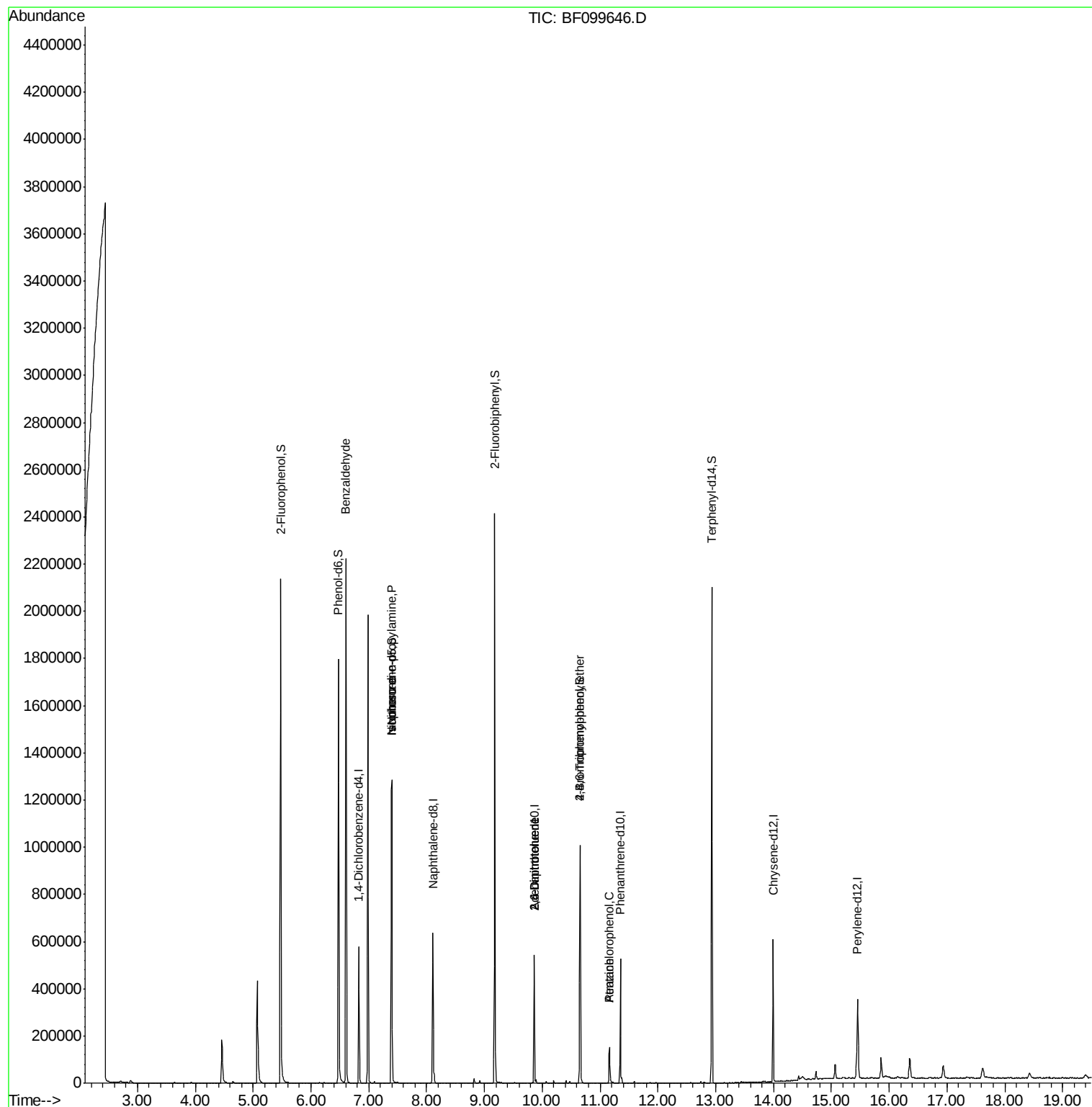
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	85080	20.00	ng	0.00
21) Naphthalene-d8	8.11	136	299759	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	106722	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	176107	20.00	ng	0.00
75) Chrysene-d12	13.99	240	182376	20.00	ng	0.00
86) Perylene-d12	15.46	264	139719	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	682415	127.68	ng	0.02
7) Phenol-d6	6.47	99	726596	110.21	ng	0.00
23) Nitrobenzene-d5	7.40	82	466116	99.72	ng	0.00
41) 2,4,6-Tribromophenol	10.66	330	129024	147.75	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	784051	122.65	ng	0.00
78) Terphenyl-d14	12.93	244	666038	83.05	ng	0.00
Target Compounds						
9) Benzaldehyde	6.60	77	12773	3.340	ng	87
19) n-Nitroso-di-n-propylamine	7.40	70	58437	13.882	ng	# 70
25) Isophorone	7.40	82	466113	48.232	ng	# 64
50) 2,6-Dinitrotoluene	9.86	165	13255	7.559	ng	# 24
56) 2,4-Dinitrotoluene	9.86	165	13255	5.824	ng	# 21
66) 4-Bromophenyl-phenylether	10.66	248	8826	5.120	ng	# 1
68) Atrazine	11.16	200	4032	2.197	ng	# 37
69) Pentachlorophenol	11.16	266	21516	18.778	ng	98

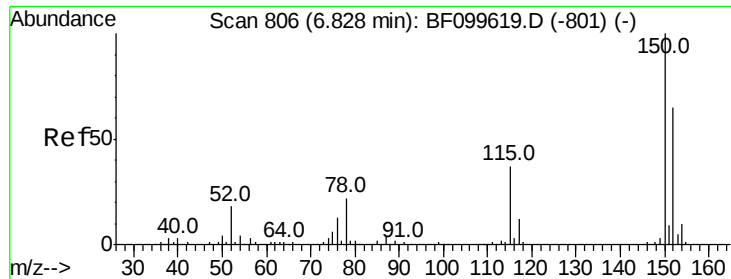
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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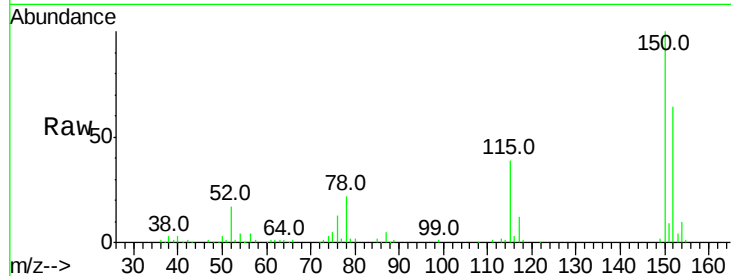


#1

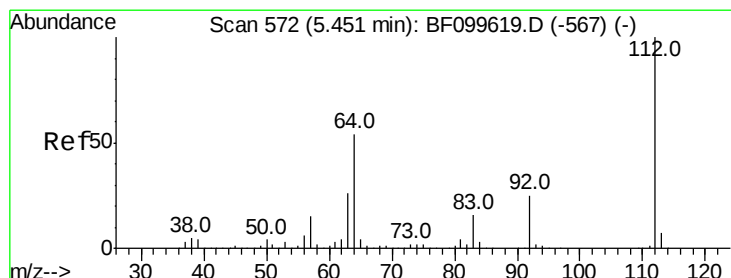
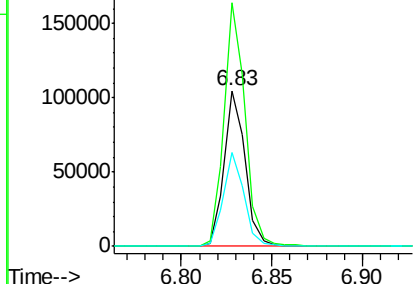
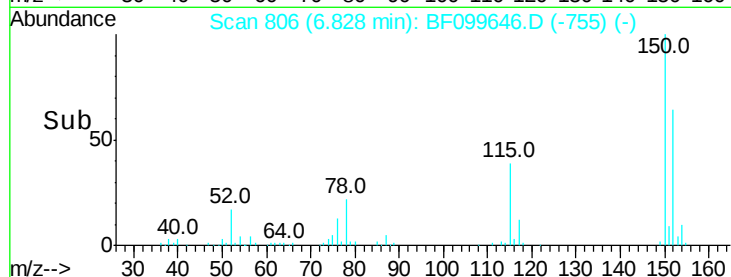
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 806
Delta R.T. 0.00 min
Lab File: BF099646.D
Acq: 19 Oct 2017 5:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 85080
Ion Ratio Lower Upper
152 100
150 156.1 124.6 186.8
115 60.5 50.1 75.1



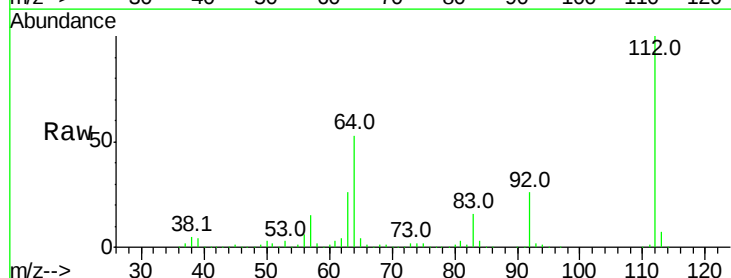
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



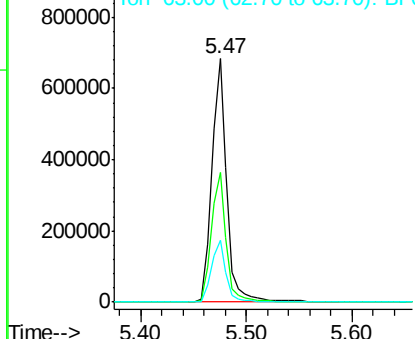
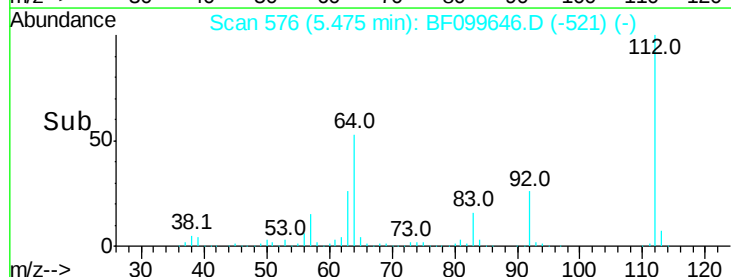
#5

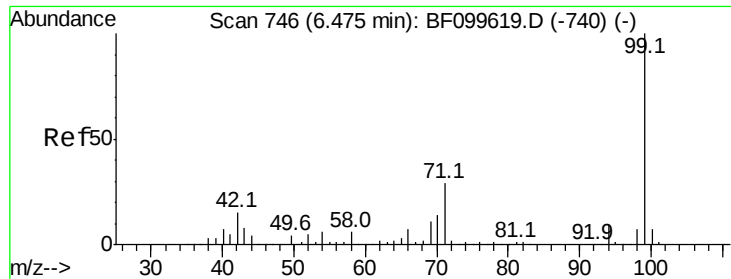
2-Fluorophenol
Concen: 127.684 ng
RT: 5.47 min Scan# 576
Delta R.T. 0.02 min
Lab File: BF099646.D
Acq: 19 Oct 2017 5:31

Tgt Ion:112 Resp: 682415
Ion Ratio Lower Upper
112 100
64 53.4 47.9 71.9
63 25.6 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF0
Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 110.205 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF099646.D

Acq: 19 Oct 2017 5:31

Instrument :

BNA_F

ClientSampled :

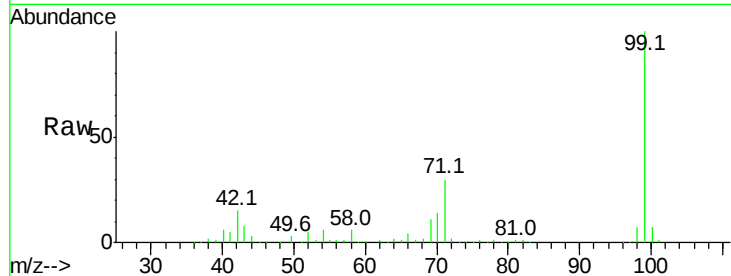
Tot Ion: 99 Resp: 726596

Ion Ratio Lower Upper

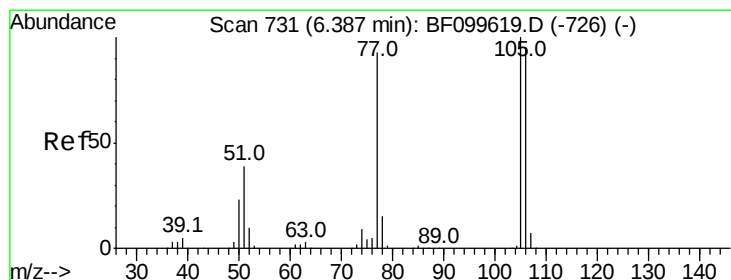
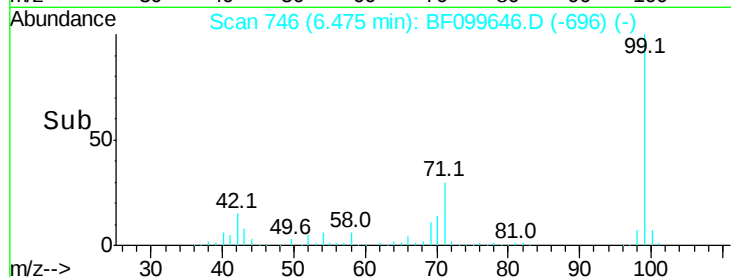
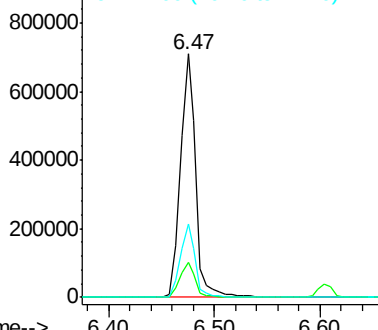
99 100

42 14.5 14.5 21.7

71 30.4 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 71.00 (70.70 to 71.70): BF0



#9

Benzaldehyde

Concen: 3.340 ng

RT: 6.60 min Scan# 768

Delta R.T. 0.22 min

Lab File: BF099646.D

Acq: 19 Oct 2017 5:31

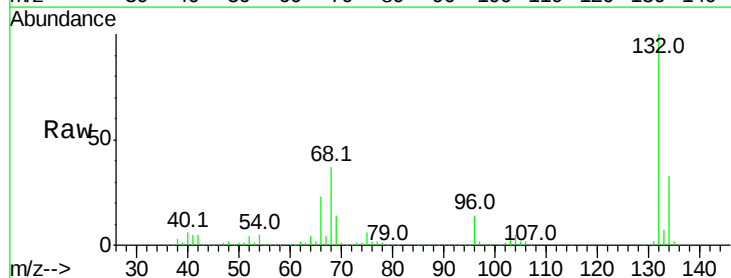
Tgt Ion: 77 Resp: 12773

Ion Ratio Lower Upper

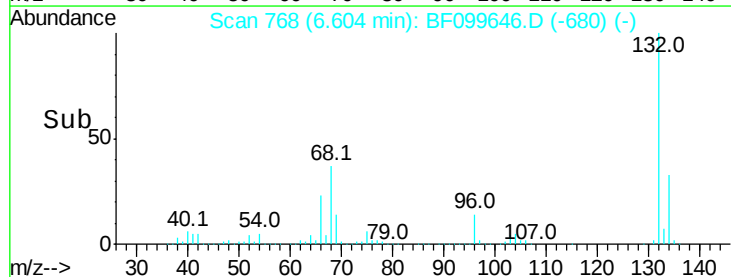
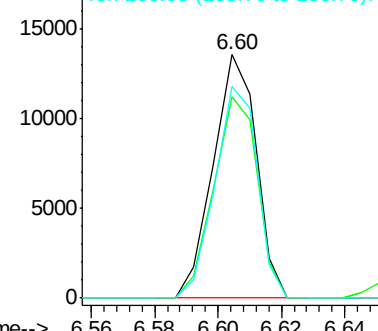
77 100

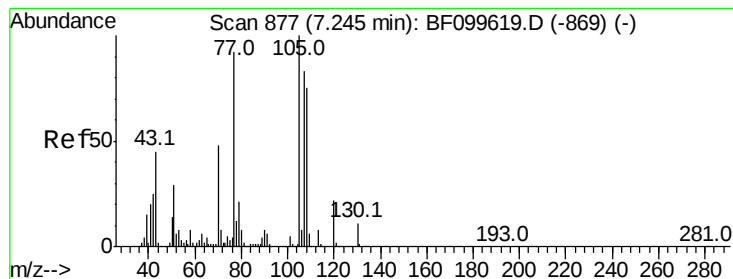
105 82.5 81.1 121.1

106 86.7 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 105.00 (104.70 to 105.70): BF0
Ion 106.00 (105.70 to 106.70): BF0





#19

n-Nitroso-di-n-propylamine

Concen: 13.882 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.15 min

Lab File: BF099646.D

Acq: 19 Oct 2017 5:31

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 58437

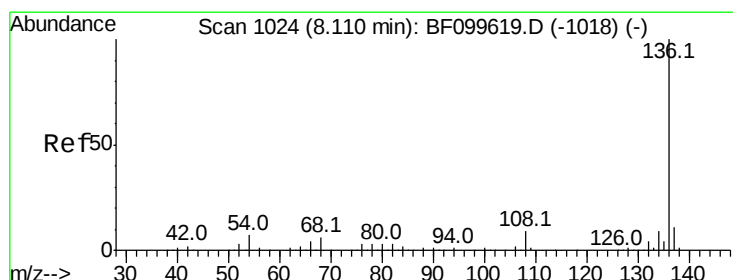
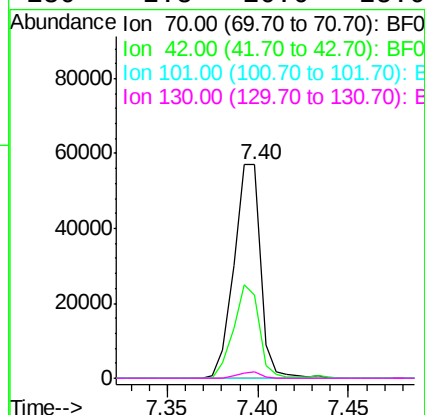
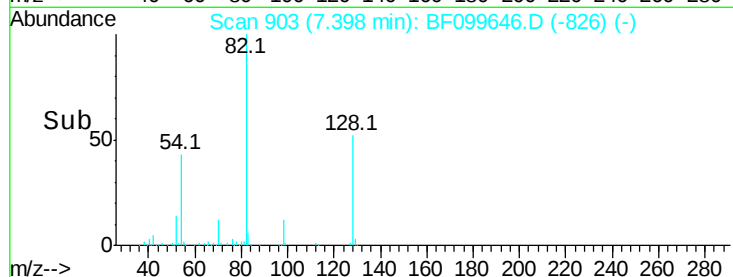
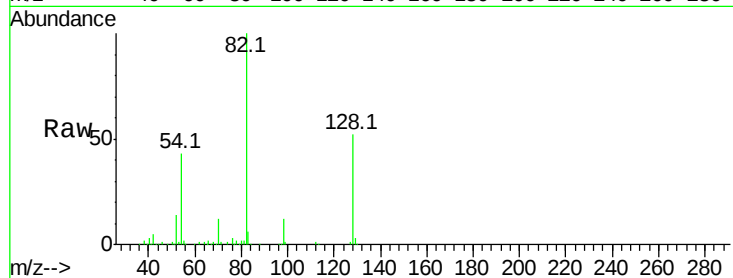
Ion Ratio Lower Upper

70 100

42 39.0 47.5 71.3#

101 0.0 7.4 11.2#

130 2.8 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.11 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BF099646.D

Acq: 19 Oct 2017 5:31

Tgt Ion:136 Resp: 299759

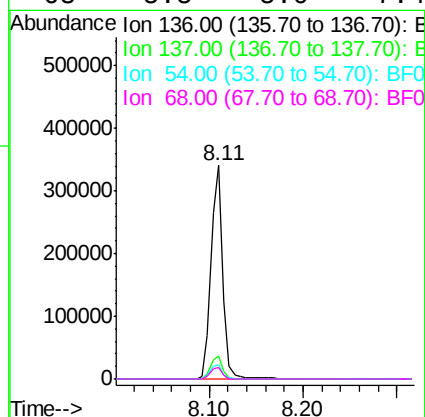
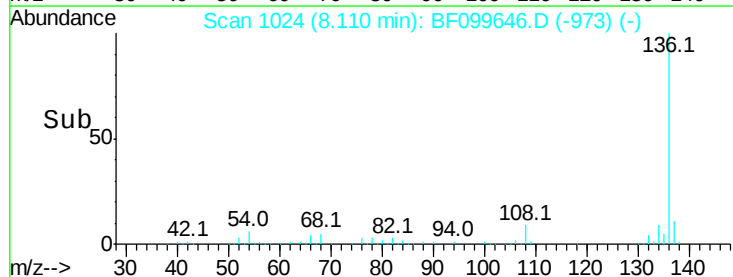
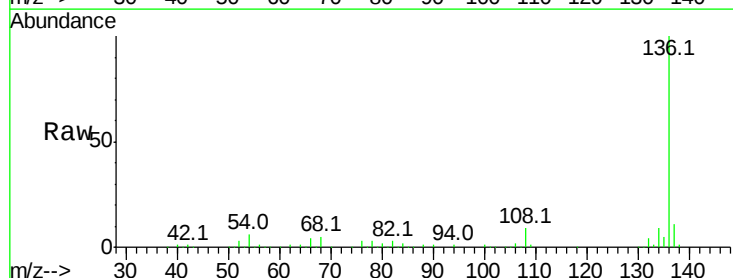
Ion Ratio Lower Upper

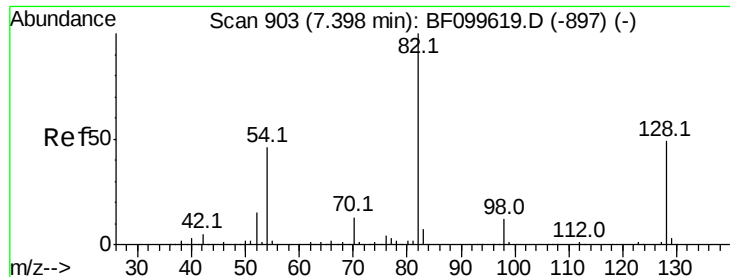
136 100

137 10.6 8.9 13.3

54 6.4 6.6 9.8#

68 5.5 5.0 7.4

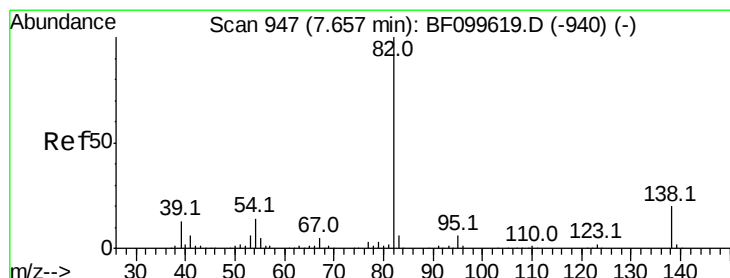
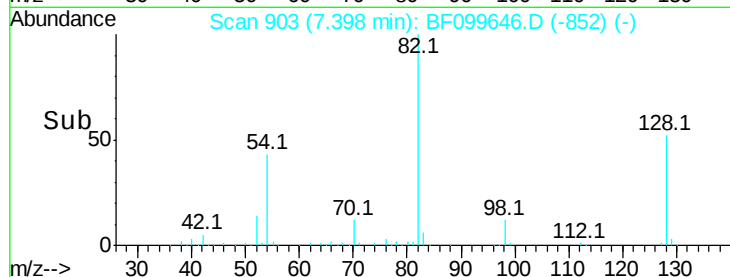
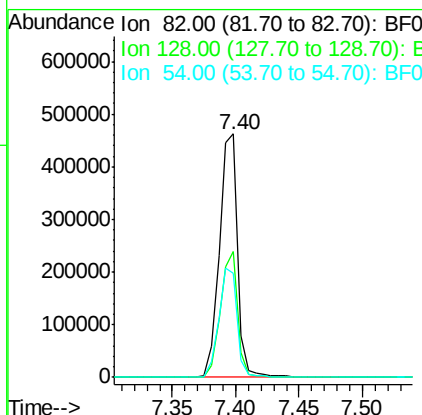
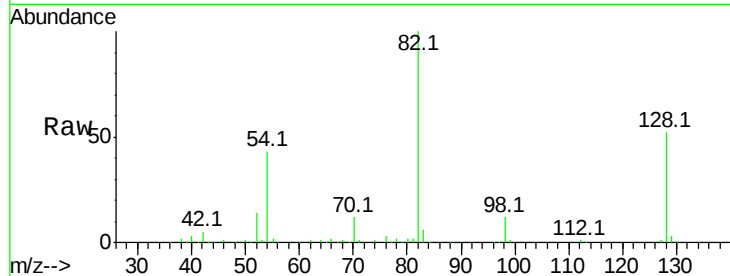




#23
 Nitrobenzene-d5
 Concen: 99.720 ng
 RT: 7.40 min Scan# 903
 Delta R.T. 0.00 min
 Lab File: BF099646.D
 Acq: 19 Oct 2017 5:31

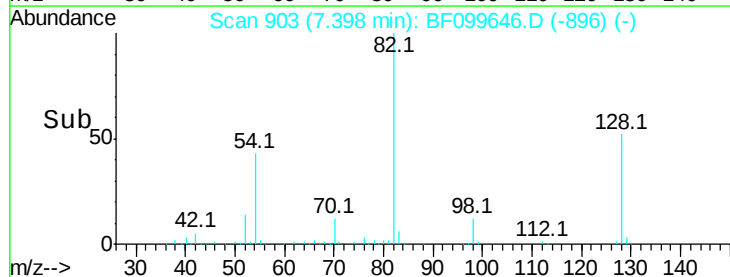
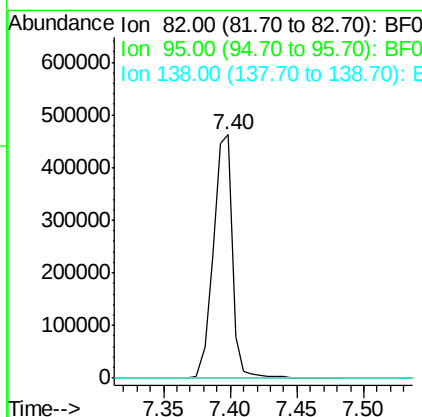
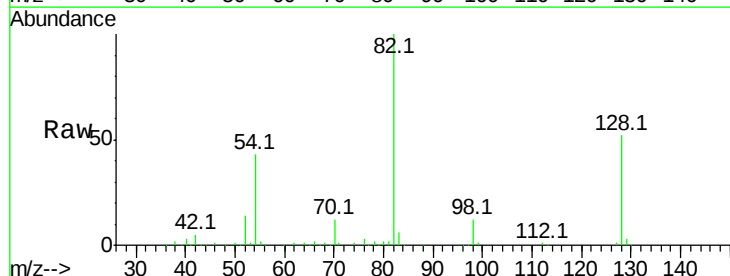
Instrument :
 BNA_F
 ClientSampleId :

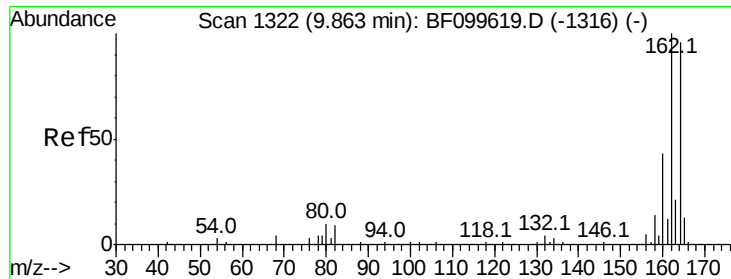
Tot Ion	Ratio	Lower	Upper
82	100		
128	51.6	36.1	54.1
54	42.6	41.4	62.2



#25
 Isophorone
 Concen: 48.232 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.26 min
 Lab File: BF099646.D
 Acq: 19 Oct 2017 5:31

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

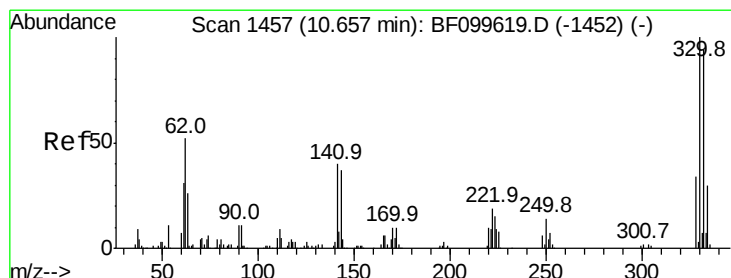
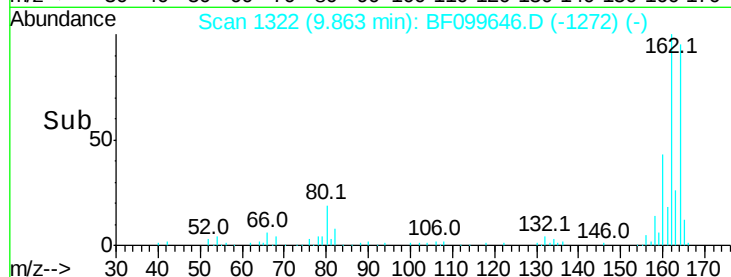
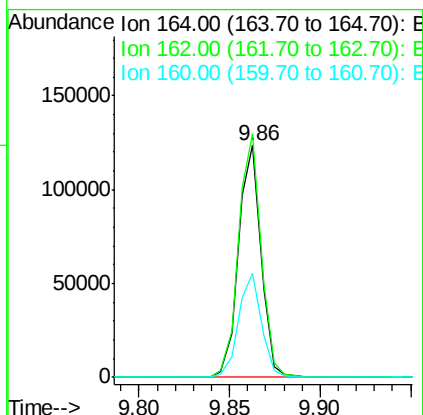
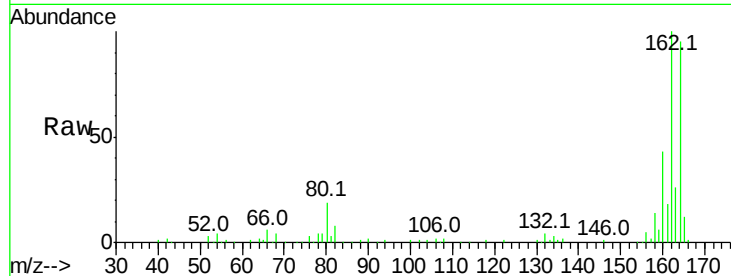




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.01 min
 Lab File: BF099646.D
 Acq: 19 Oct 2017 5:31

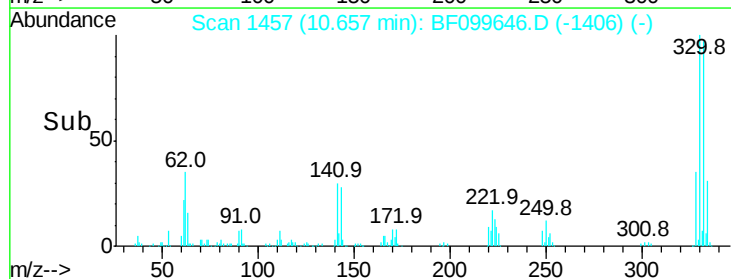
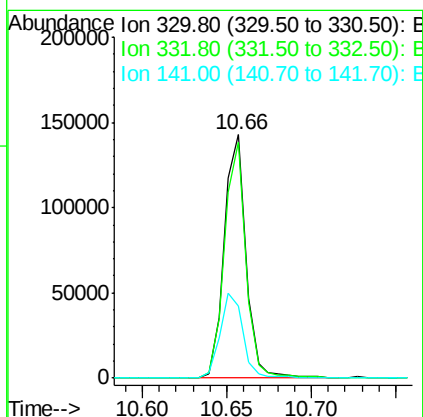
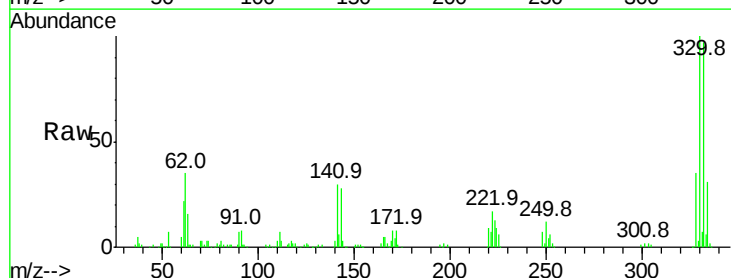
Instrument :
 BNA_F
 ClientSampleId :

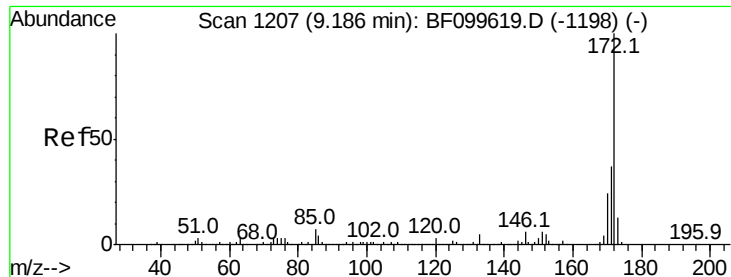
Tot Ion:164 Resp: 106722
 Ion Ratio Lower Upper
 164 100
 162 105.1 86.1 129.1
 160 45.1 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 147.747 ng
 RT: 10.66 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: BF099646.D
 Acq: 19 Oct 2017 5:31

Tgt Ion:330 Resp: 129024
 Ion Ratio Lower Upper
 330 100
 332 95.4 77.0 115.6
 141 36.9 29.9 44.9

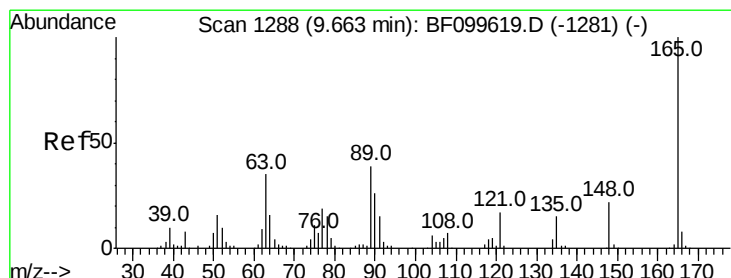
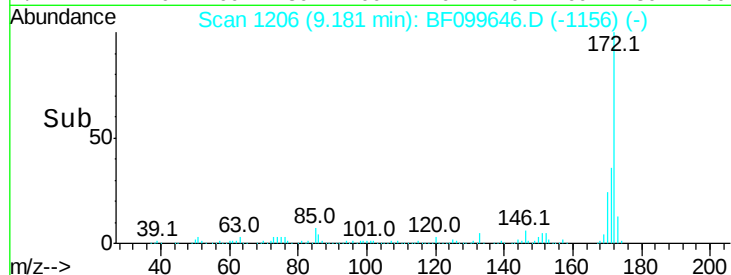
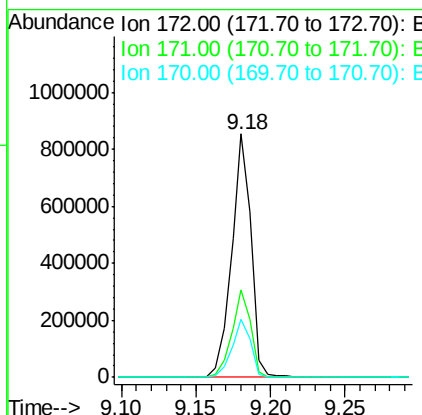
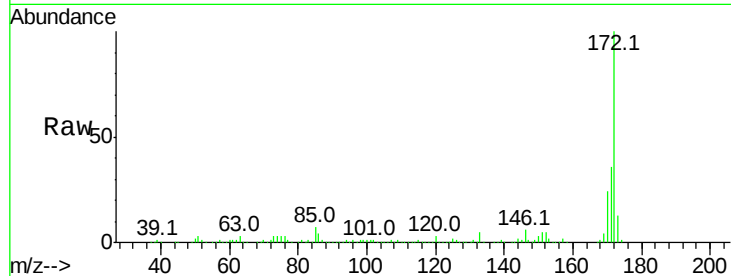




#44
 2-Fluorobiphenyl
 Concen: 122.646 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF099646.D
 Acq: 19 Oct 2017 5:31

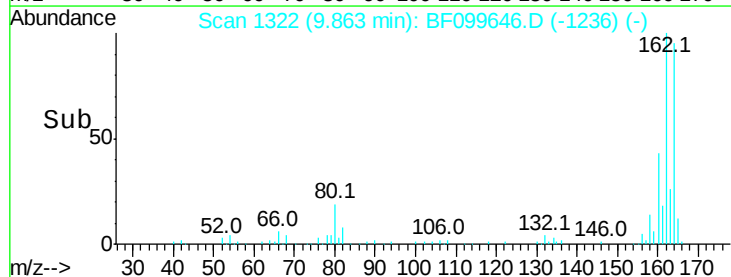
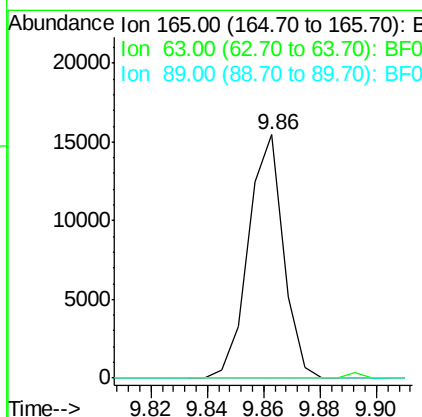
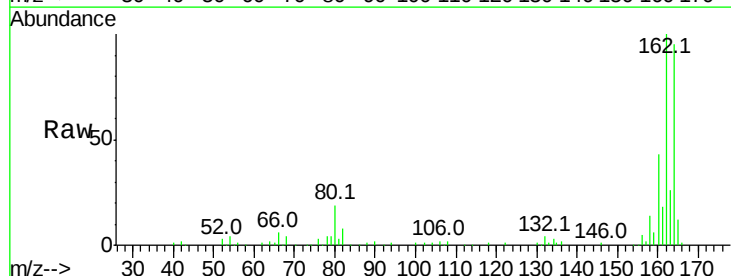
Instrument :
 BNA_F
 ClientSampleId :

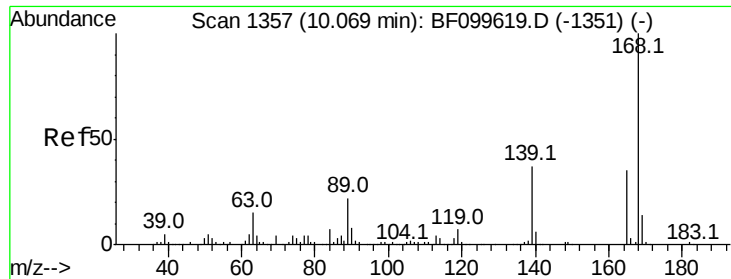
Tot Ion:172 Resp: 784051
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.7 44.5
 170 24.0 19.6 29.4



#50
 2,6-Dinitrotoluene
 Concen: 7.559 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. 0.21 min
 Lab File: BF099646.D
 Acq: 19 Oct 2017 5:31

Tgt Ion:165 Resp: 13255
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 0.0 44.0 66.0#

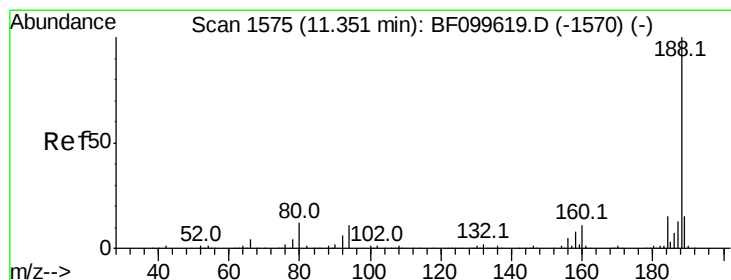
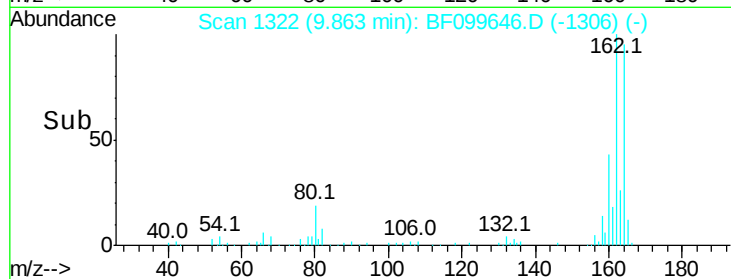
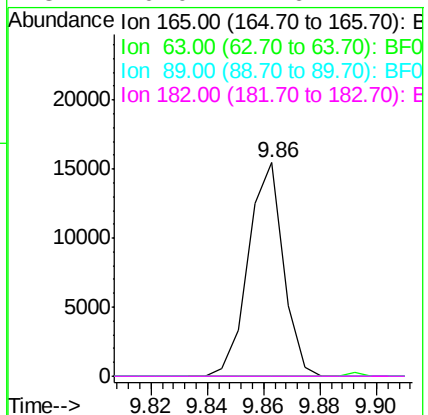
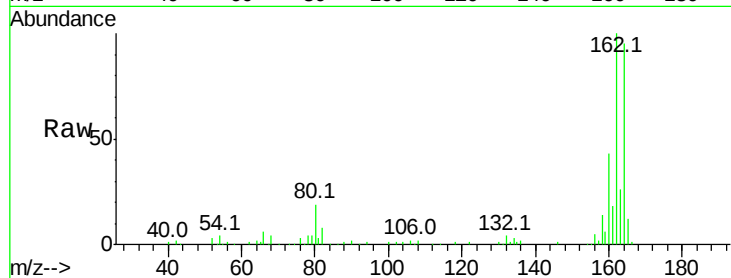




#56
 2,4-Dinitrotoluene
 Concen: 5.824 ng
 RT: 9.86 min Scan# 1322
 Delta R.T. -0.21 min
 Lab File: BF099646.D
 Acq: 19 Oct 2017 5:31

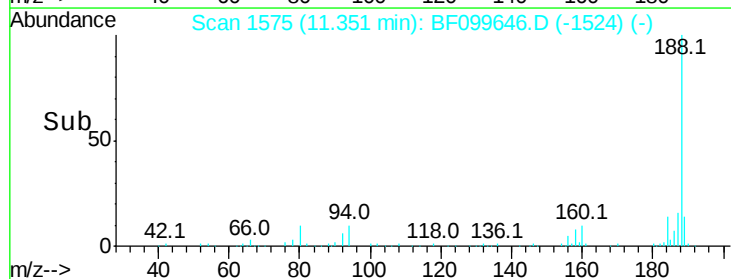
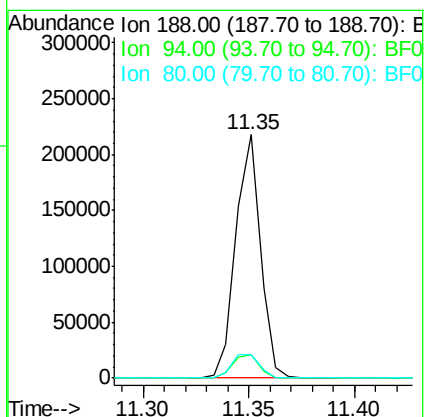
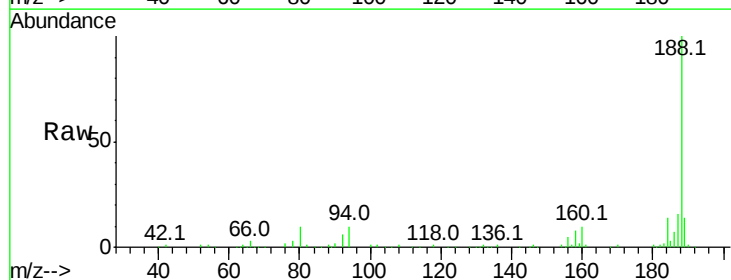
Instrument :
 BNA_F
 ClientSampleId :

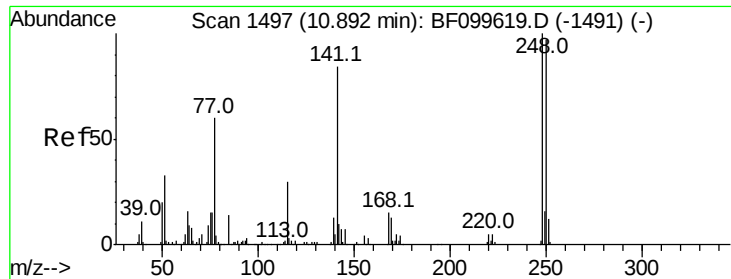
Tot Ion:	165	Resp:	13255
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.35 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: BF099646.D
 Acq: 19 Oct 2017 5:31

Tgt Ion:	188	Resp:	176107
Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.5	12.7
80	9.7	9.2	13.8

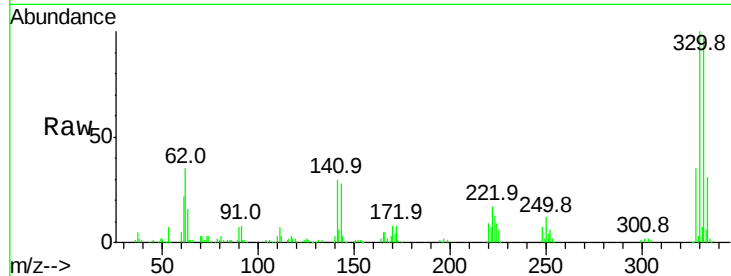




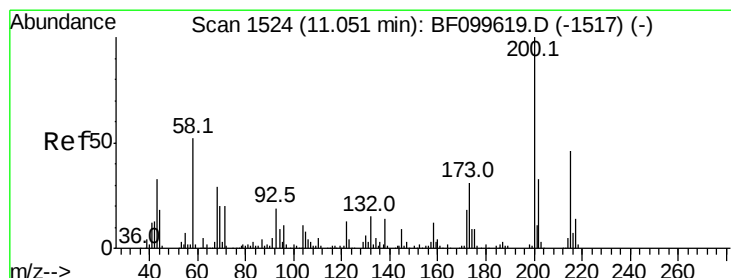
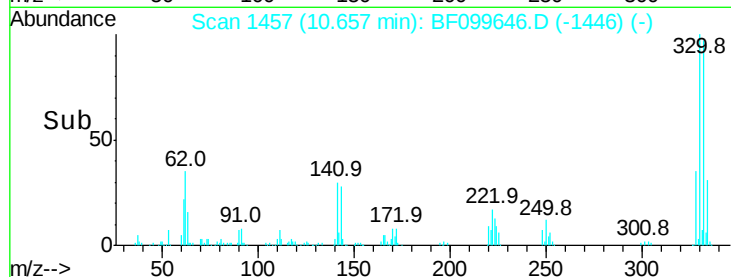
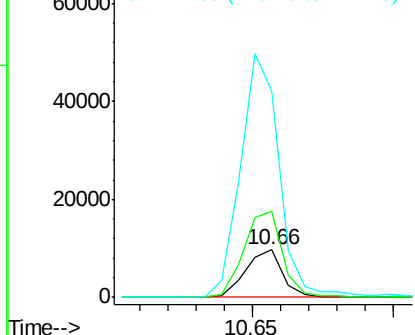
#66
4-Bromophenyl-phenylether
Concen: 5.120 ng
RT: 10.66 min Scan# 1457
Delta R.T. -0.23 min
Lab File: BF099646.D
Acq: 19 Oct 2017 5:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 8826
Ion Ratio Lower Upper
248 100
250 180.3 76.9 115.3#
141 433.5 74.4 111.6#

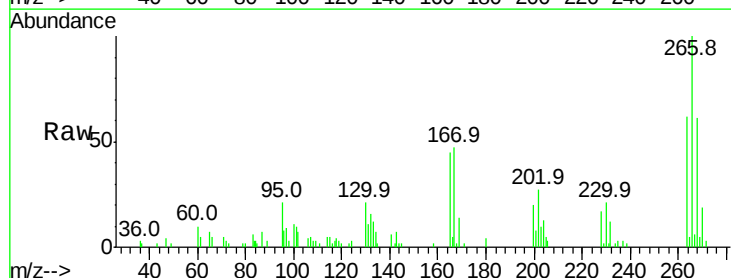


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

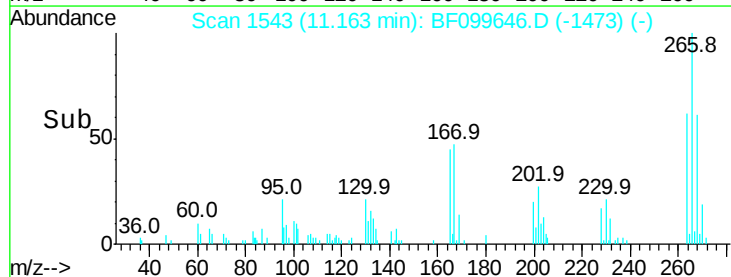
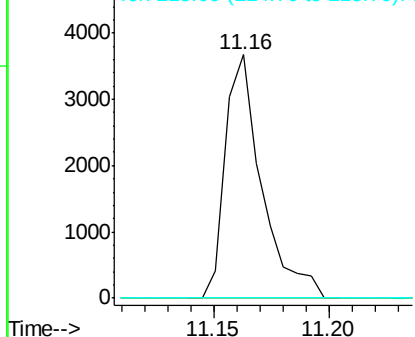


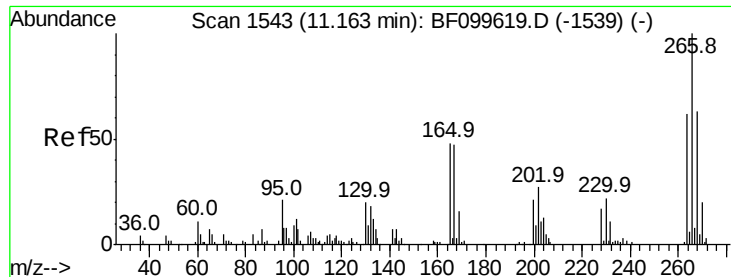
#68
Atrazine
Concen: 2.197 ng
RT: 11.16 min Scan# 1543
Delta R.T. 0.11 min
Lab File: BF099646.D
Acq: 19 Oct 2017 5:31

Tgt Ion:200 Resp: 4032
Ion Ratio Lower Upper
200 100
173 0.0 8.6 48.6#
215 0.0 25.1 65.1#



Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

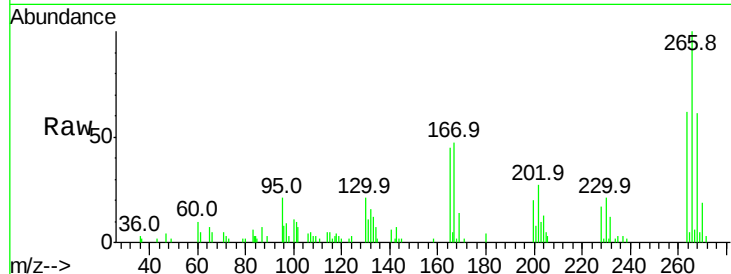




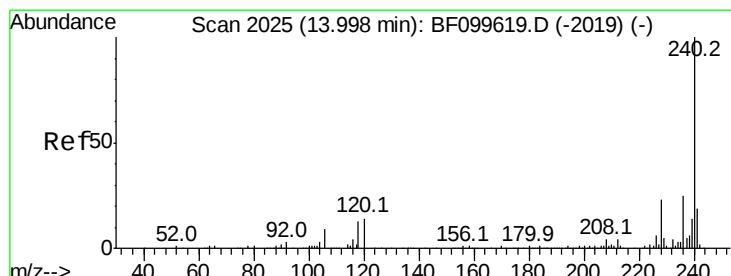
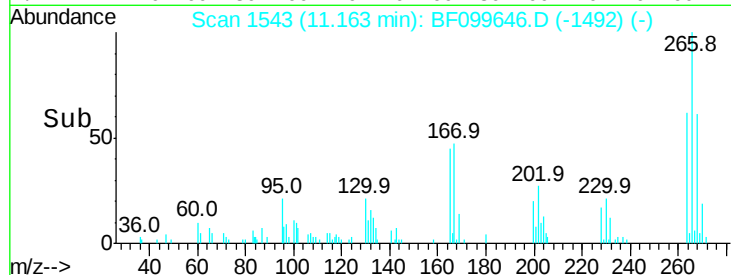
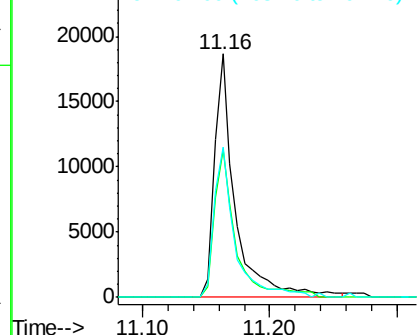
#69
 Pentachlorophenol
 Concen: 18.778 ng
 RT: 11.16 min Scan# 1543
 Delta R.T. 0.00 min
 Lab File: BF099646.D
 Acq: 19 Oct 2017 5:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
266	100		
268	60.8	51.1	76.7
264	61.7	49.5	74.3

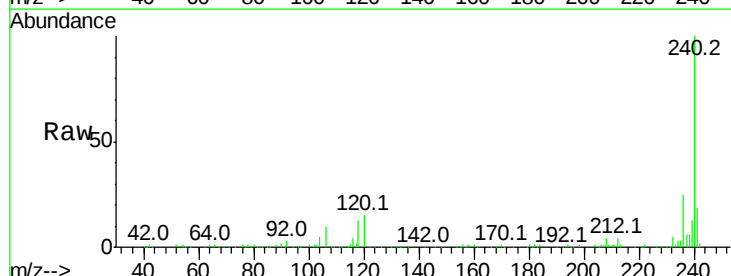


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

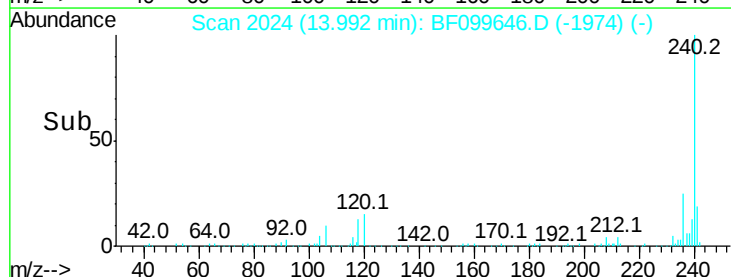
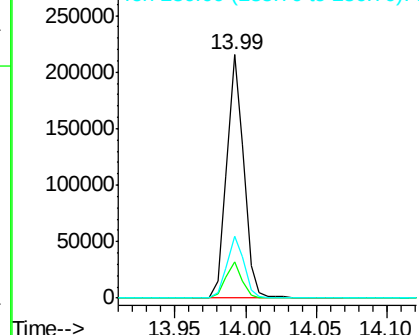


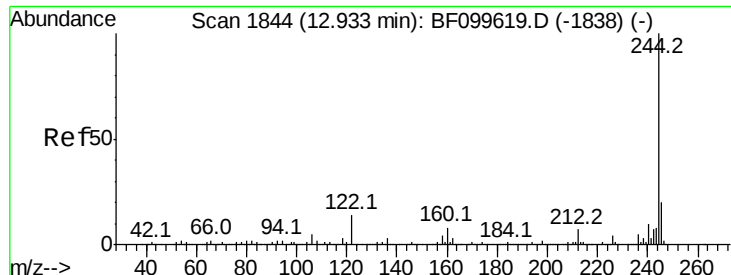
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.01 min
 Lab File: BF099646.D
 Acq: 19 Oct 2017 5:31

Tgt Ion	Ratio	Lower	Upper
240	100		
120	15.1	9.5	14.3#
236	25.3	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: 83.054 ng

RT: 12.93 min Scan# 1844

Delta R.T. 0.00 min

Lab File: BF099646.D

Acq: 19 Oct 2017 5:31

Instrument :

BNA_F

ClientSampleId :

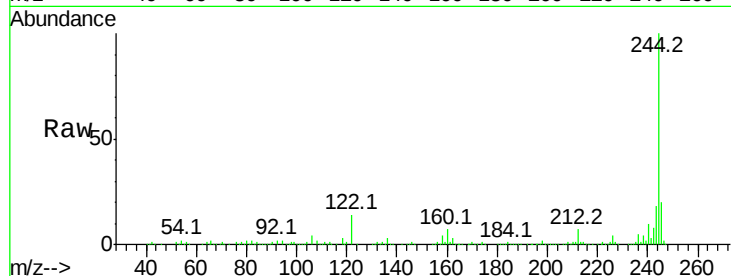
Tot Ion:244 Resp: 666038

Ion Ratio Lower Upper

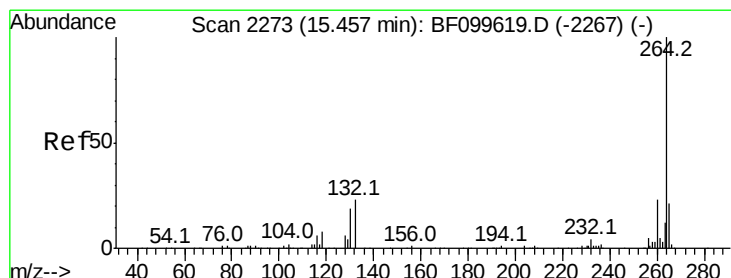
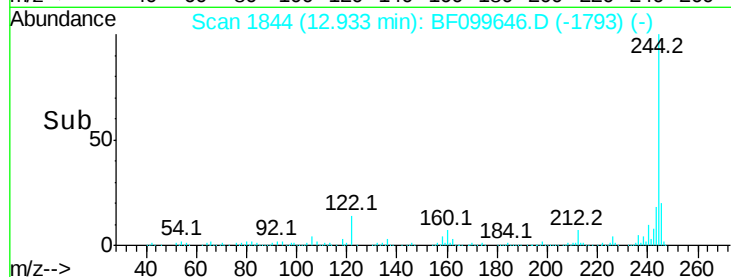
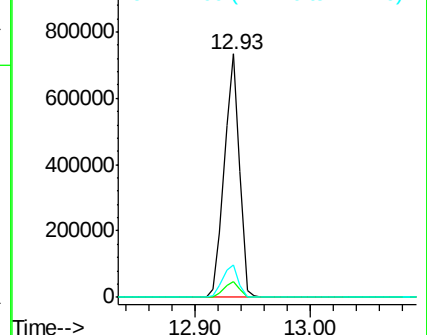
244 100

212 6.7 5.4 8.0

122 13.5 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: 15.46 min Scan# 2273

Delta R.T. 0.00 min

Lab File: BF099646.D

Acq: 19 Oct 2017 5:31

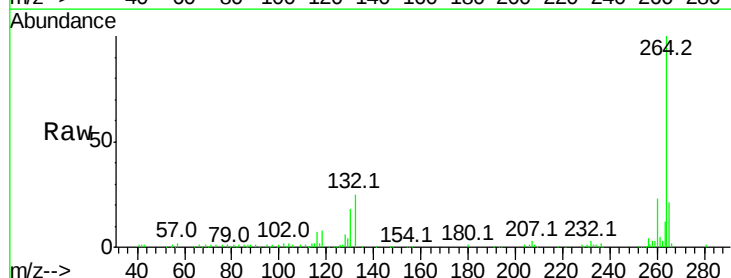
Tgt Ion:264 Resp: 139719

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 21.4 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

