

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101817\
 Data File : BF099628.D
 Acq On : 18 Oct 2017 20:19
 Operator : SJ/JU
 Sample : I5942-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 18 22:15:15 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 15:18:49 2017
 Response via : Initial Calibration

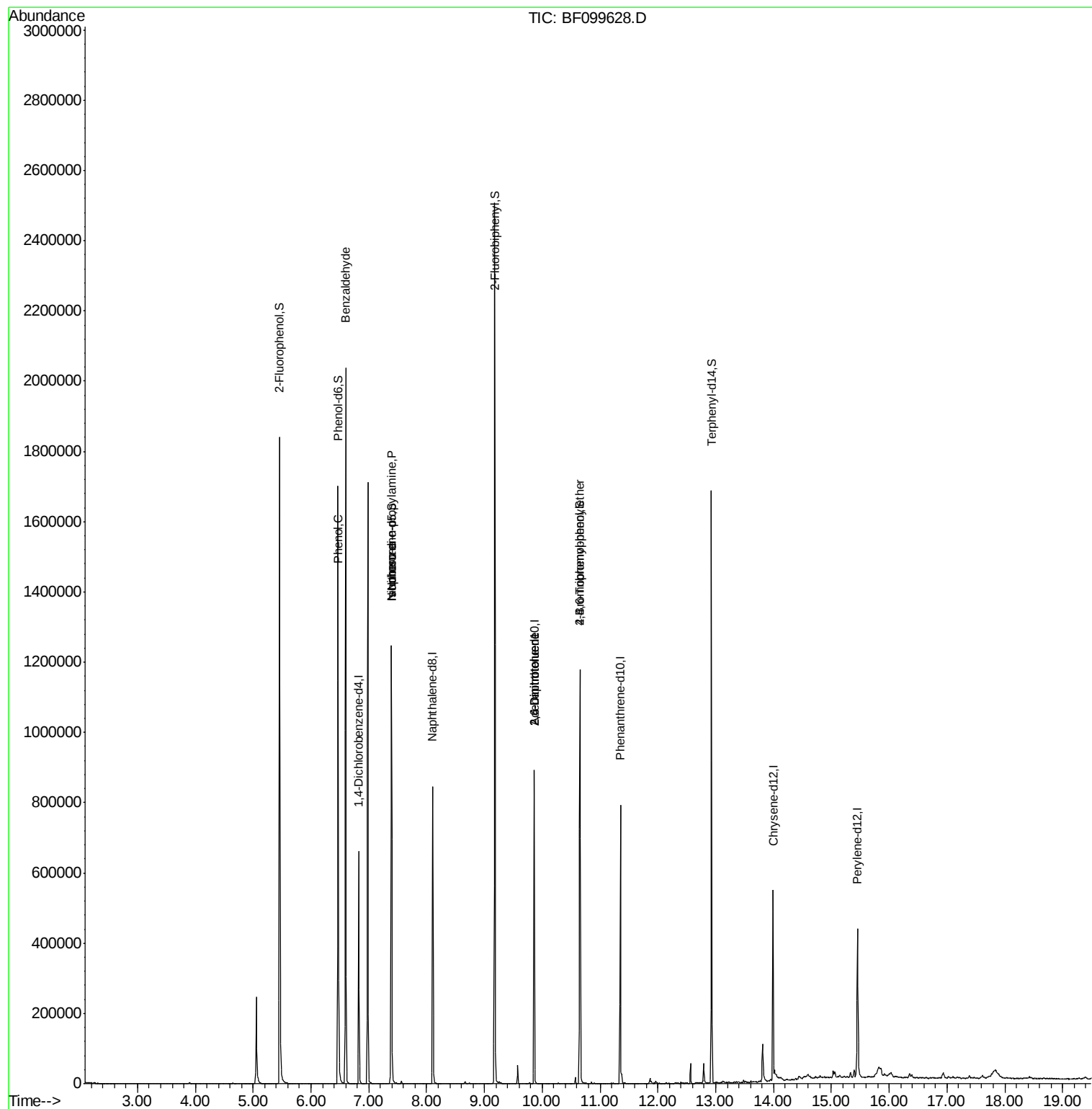
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	100712	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	418213	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	184830	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	290023	20.00	ng	0.00
75) Chrysene-d12	13.99	240	176694	20.00	ng	0.00
86) Perylene-d12	15.46	264	191122	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	582016	92.00	ng	0.00
7) Phenol-d6	6.47	99	690683	88.50	ng	-0.01
23) Nitrobenzene-d5	7.39	82	400455	61.41	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	134478	88.92	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	783620	70.78	ng	0.00
78) Terphenyl-d14	12.93	244	528151	67.98	ng	0.00
Target Compounds						
9) Benzaldehyde	6.60	77	11018	2.434	ng	88
10) Phenol	6.48	94	31932	3.658	ng	96
19) n-Nitroso-di-n-propylamine	7.39	70	50453	10.125	ng	# 73
25) Isophorone	7.39	82	400451	29.701	ng	# 64
50) 2,6-Dinitrotoluene	9.86	165	23379	7.698	ng	# 24
56) 2,4-Dinitrotoluene	9.86	165	23379	5.932	ng	# 22
66) 4-Bromophenyl-phenylether	10.65	248	8965	3.158	ng	# 1

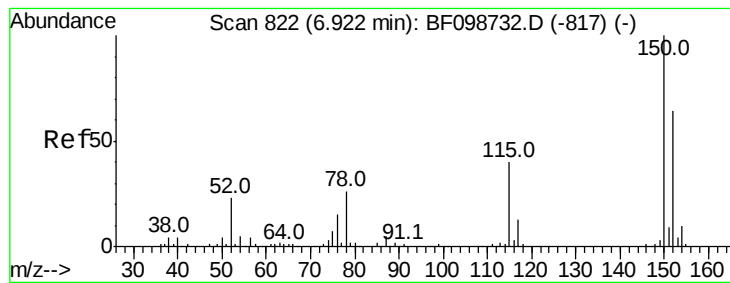
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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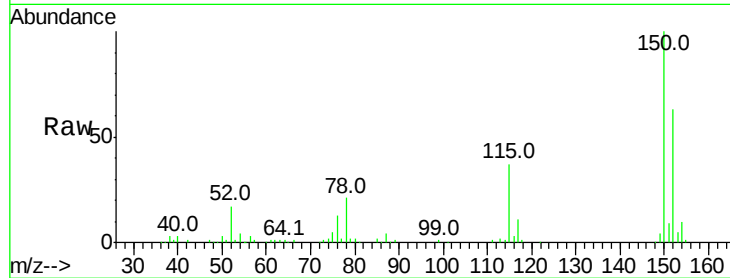


#1

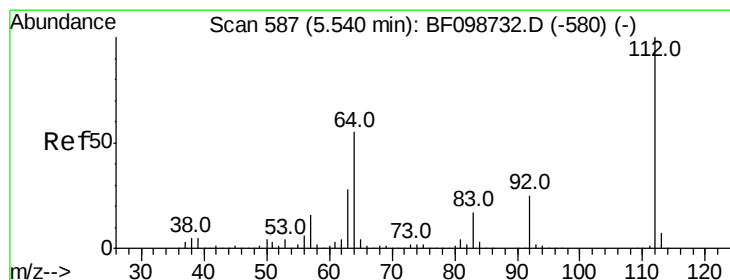
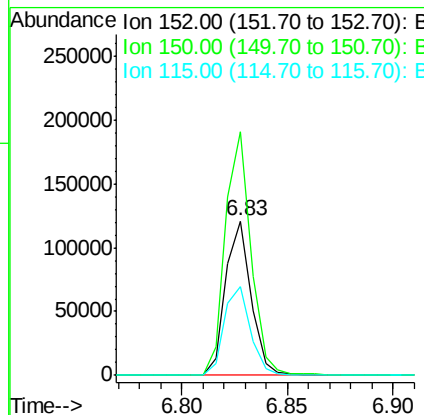
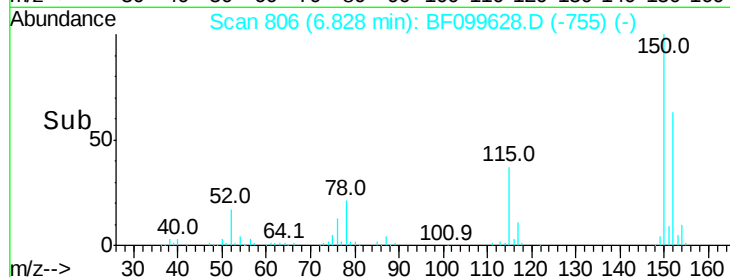
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 806
 Delta R.T. 0.00 min
 Lab File: BF099628.D
 Acq: 18 Oct 2017 20:19

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 100712
 Ion Ratio Lower Upper
 152 100
 150 158.1 124.6 186.8
 115 58.0 50.1 75.1



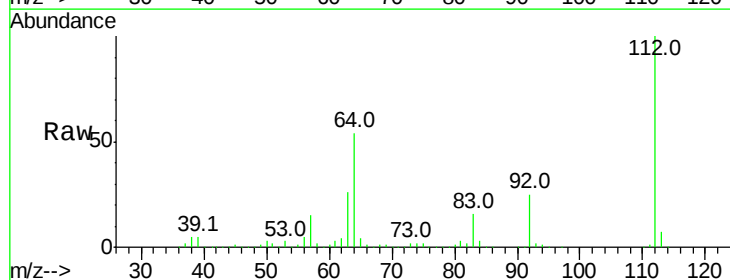
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



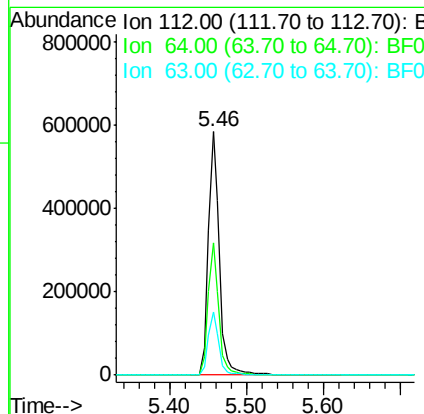
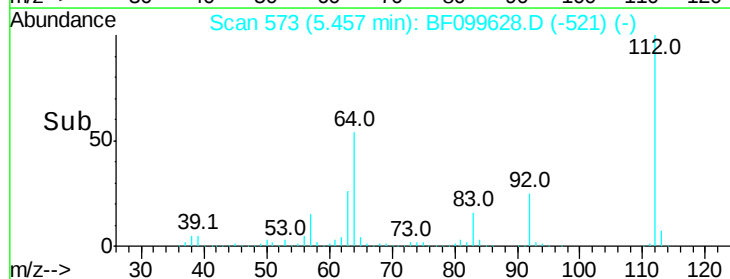
#5

2-Fluorophenol
 Concen: 91.996 ng
 RT: 5.46 min Scan# 573
 Delta R.T. 0.01 min
 Lab File: BF099628.D
 Acq: 18 Oct 2017 20:19

Tgt Ion:112 Resp: 582016
 Ion Ratio Lower Upper
 112 100
 64 54.1 47.9 71.9
 63 26.0 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: 88.498 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.01 min

Lab File: BF099628.D

Acq: 18 Oct 2017 20:19

Instrument :

BNA_F

ClientSampleId :

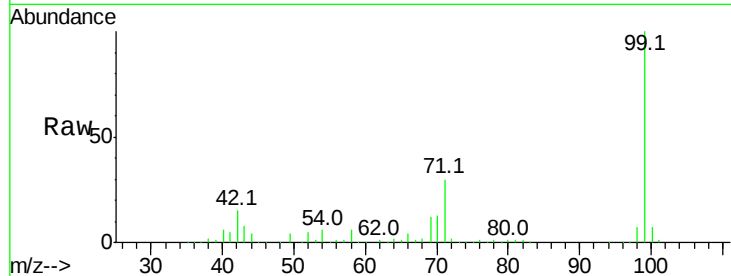
Tot Ion: 99 Resp: 690683

Ion Ratio Lower Upper

99 100

42 14.9 14.5 21.7

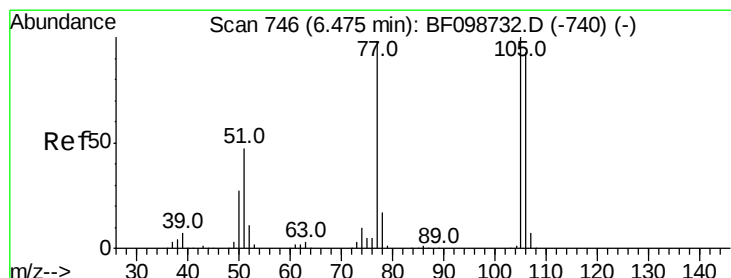
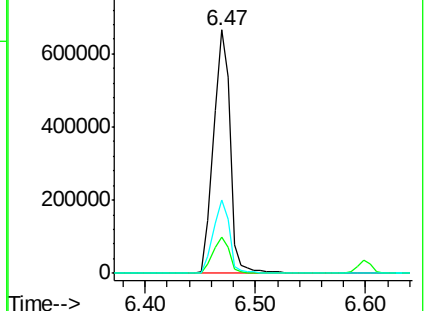
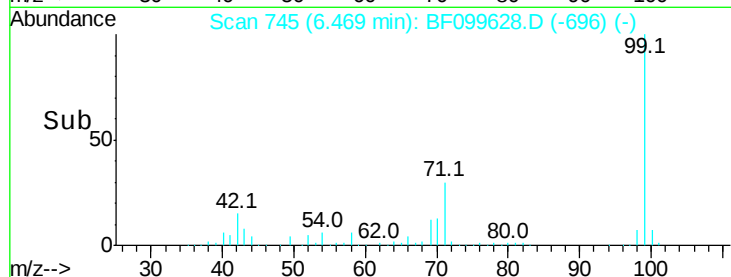
71 30.3 25.4 38.0



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: 2.434 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.21 min

Lab File: BF099628.D

Acq: 18 Oct 2017 20:19

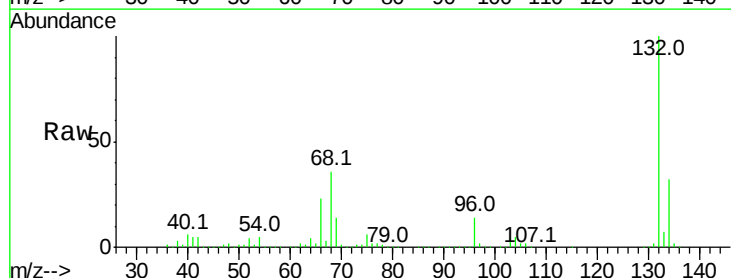
Tgt Ion: 77 Resp: 11018

Ion Ratio Lower Upper

77 100

105 88.9 81.1 121.1

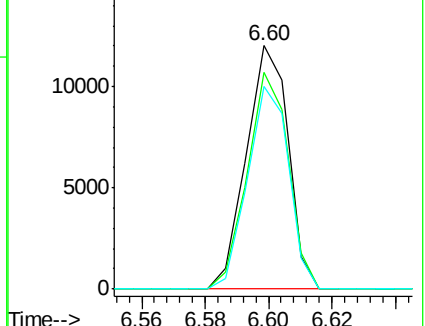
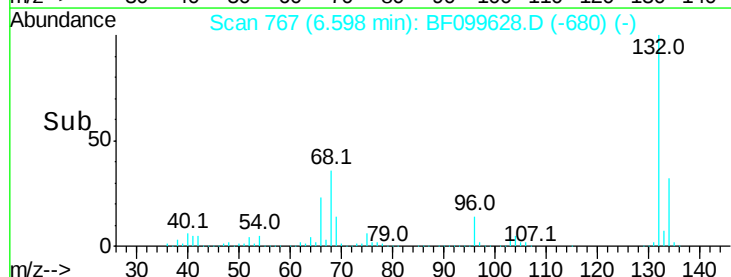
106 83.3 74.5 114.5

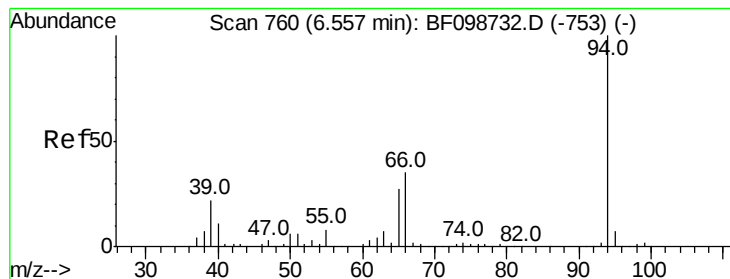


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 3.658 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF099628.D

Acq: 18 Oct 2017 20:19

Instrument :

BNA_F

ClientSampleId :

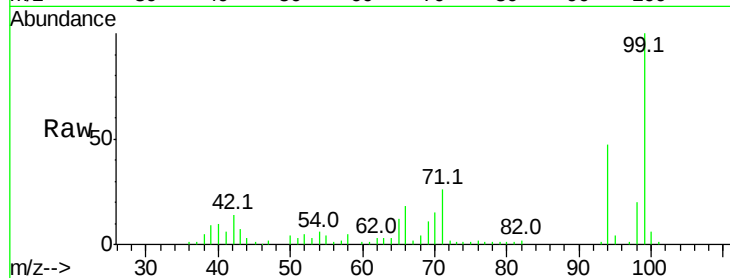
Tot Ion: 94 Resp: 31932

Ion Ratio Lower Upper

94 100

65 26.2 7.9 47.9

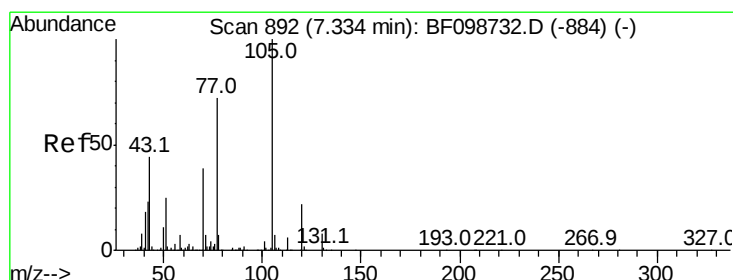
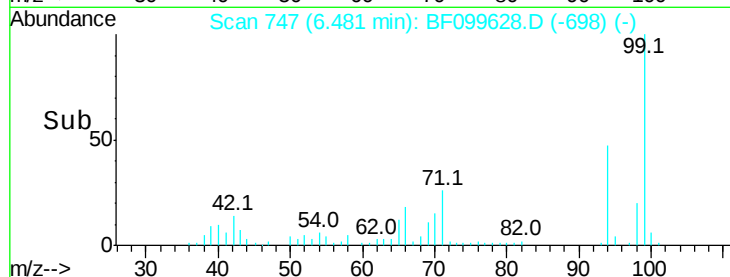
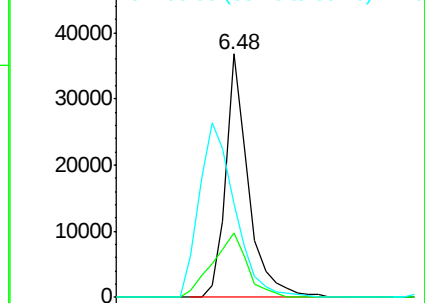
66 38.5 16.2 56.2



Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 10.125 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.15 min

Lab File: BF099628.D

Acq: 18 Oct 2017 20:19

Tgt Ion: 70 Resp: 50453

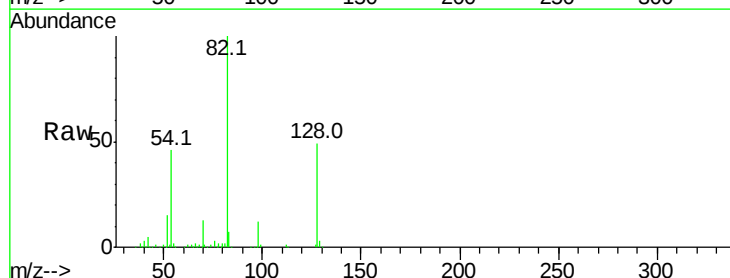
Ion Ratio Lower Upper

70 100

42 42.5 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

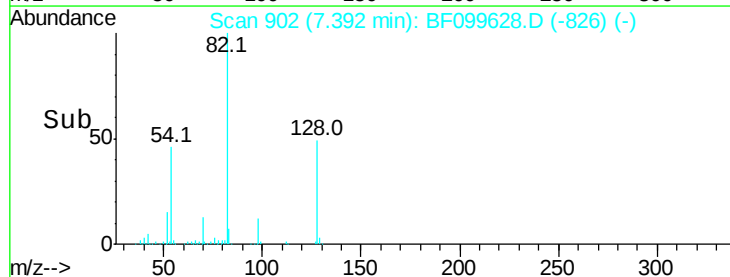
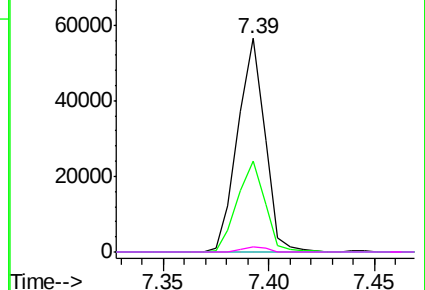


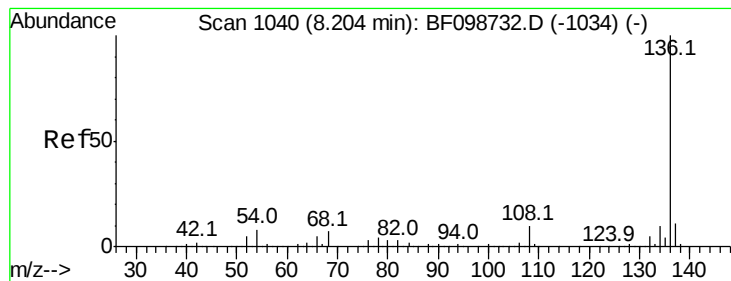
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

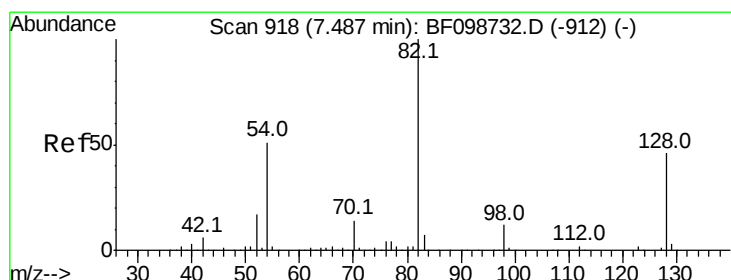
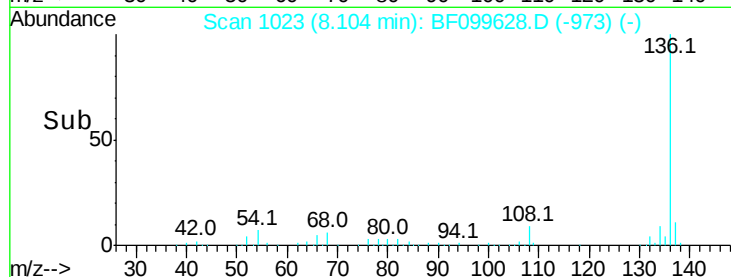
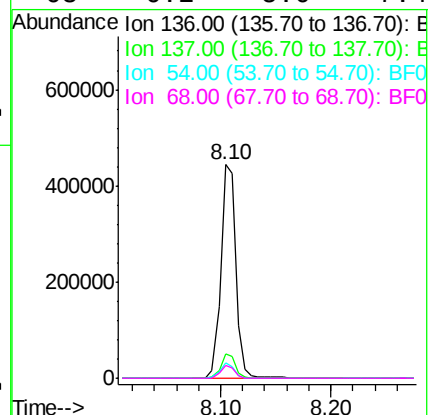
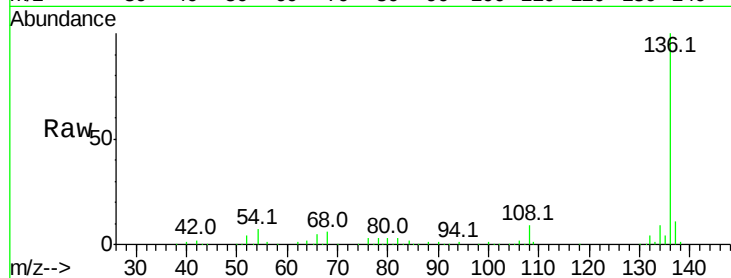




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF099628.D
Acq: 18 Oct 2017 20:19

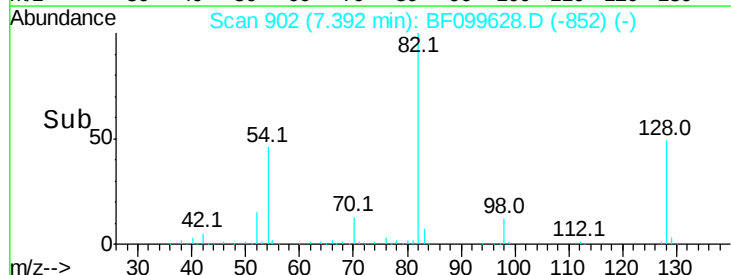
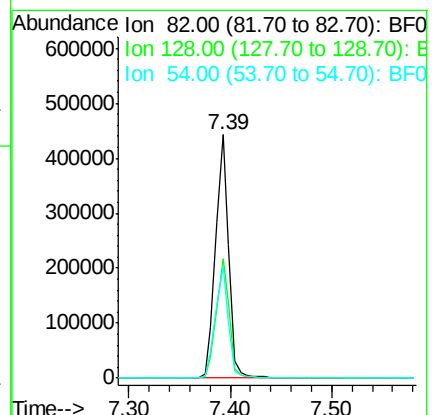
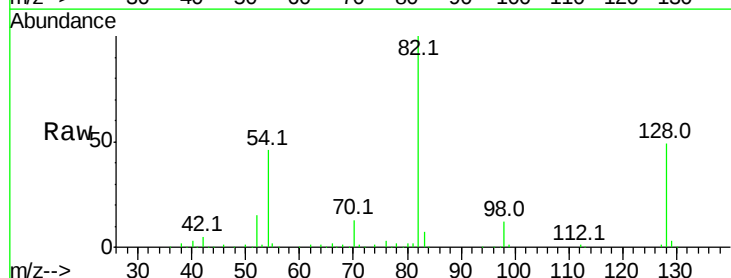
Instrument :
BNA_F
ClientSampleId :

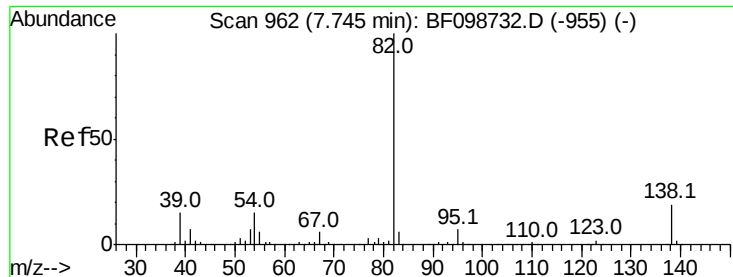
Tot Ion:136	Resp:	418213	
Ion Ratio	Lower	Upper	
136 100			
137 11.1	8.9	13.3	
54 7.2	6.6	9.8	
68 6.2	5.0	7.4	



#23
Nitrobenzene-d5
Concen: 61.407 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF099628.D
Acq: 18 Oct 2017 20:19

Tgt Ion: 82	Resp: 400455
Ion Ratio	Lower Upper
82 100	
128 48.8	36.1 54.1
54 46.1	41.4 62.2





#25

Isophorone

Concen: 29.701 ng

RT: 7.39 min Scan# 902

Delta R.T. -0.26 min

Lab File: BF099628.D

Acq: 18 Oct 2017 20:19

Instrument :

BNA_F

ClientSampleId :

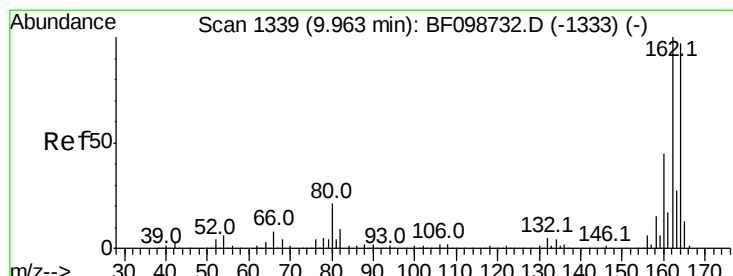
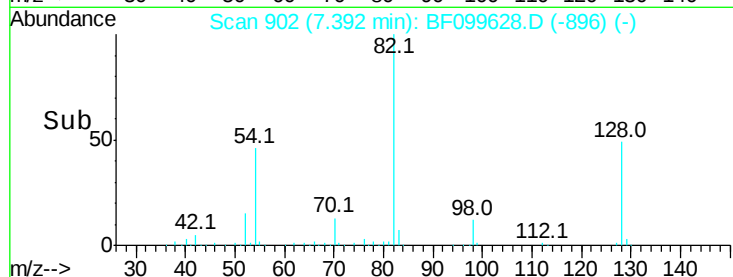
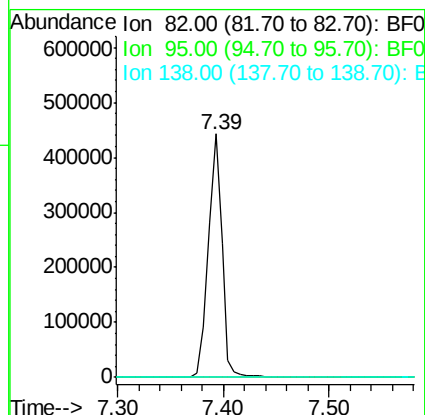
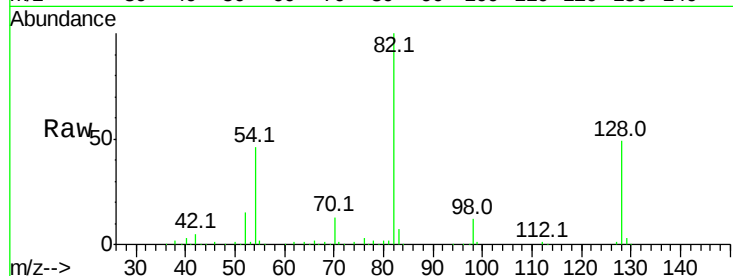
Tot Ion: 82 Resp: 400451

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: BF099628.D

Acq: 18 Oct 2017 20:19

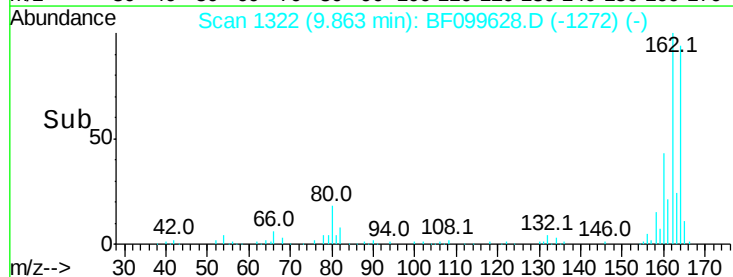
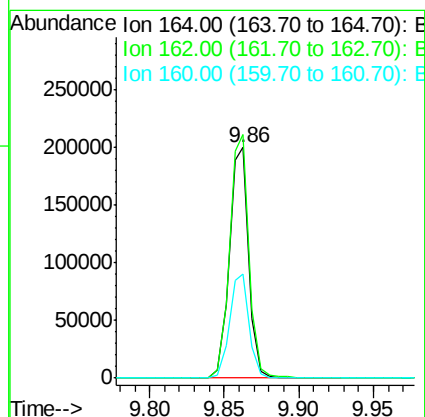
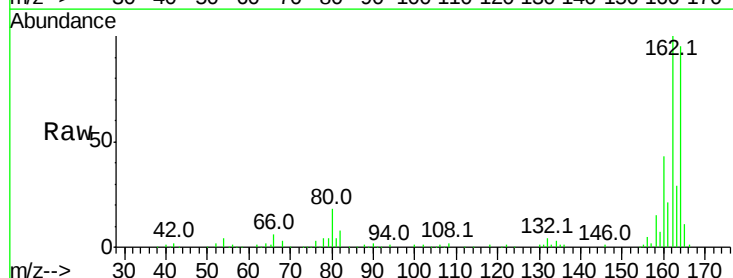
Tgt Ion:164 Resp: 184830

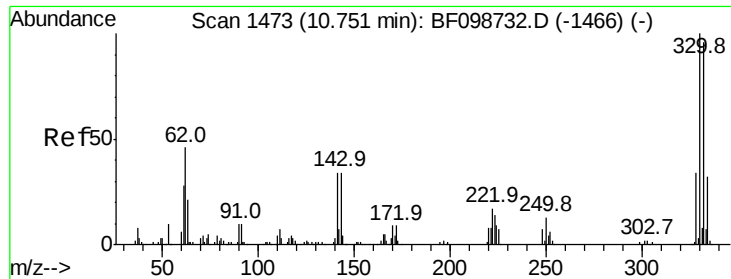
Ion Ratio Lower Upper

164 100

162 105.6 86.1 129.1

160 45.4 38.3 57.5

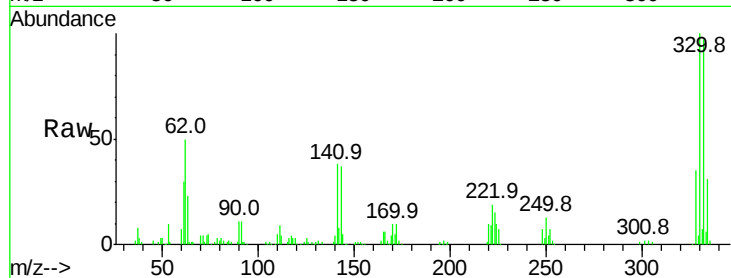




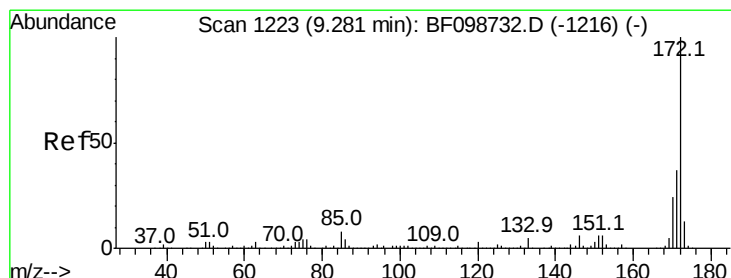
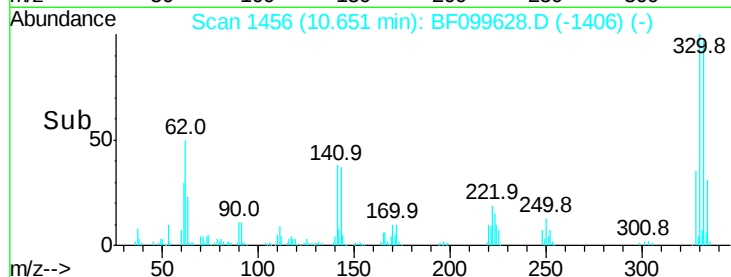
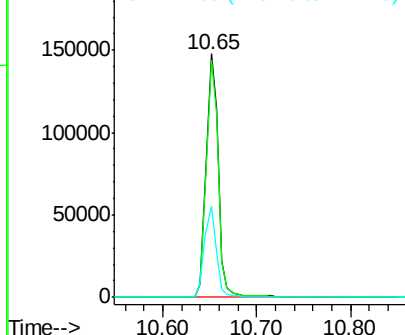
#41
 2,4,6-Tribromophenol
 Concen: 88.916 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: BF099628.D
 Acq: 18 Oct 2017 20:19

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.6
141	36.9	29.9	44.9

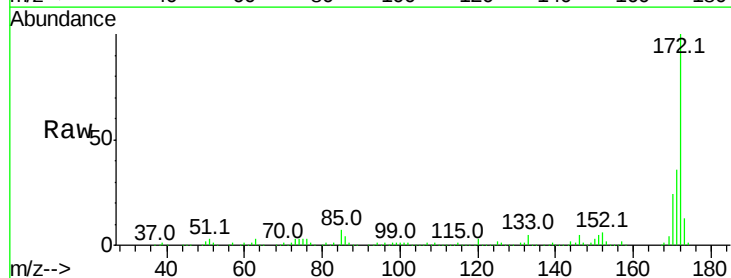


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

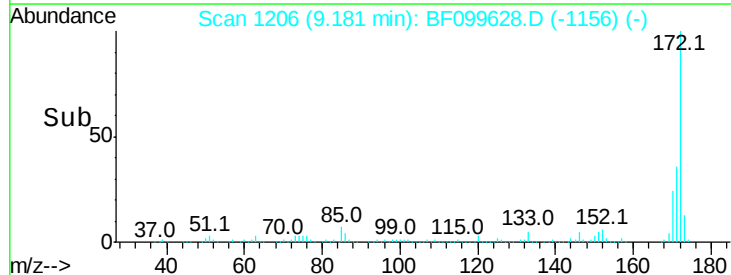
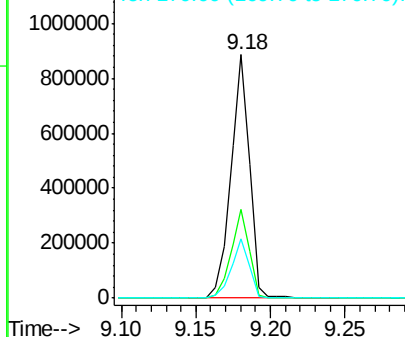


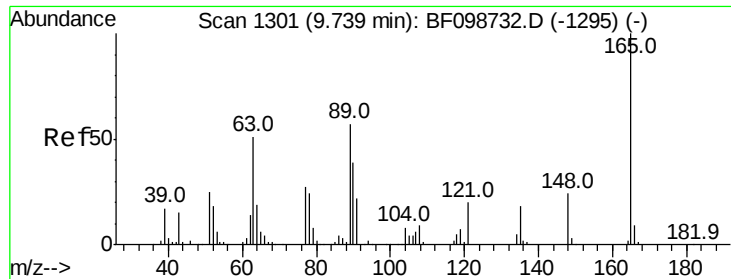
#44
 2-Fluorobiphenyl
 Concen: 70.778 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF099628.D
 Acq: 18 Oct 2017 20:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.1	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

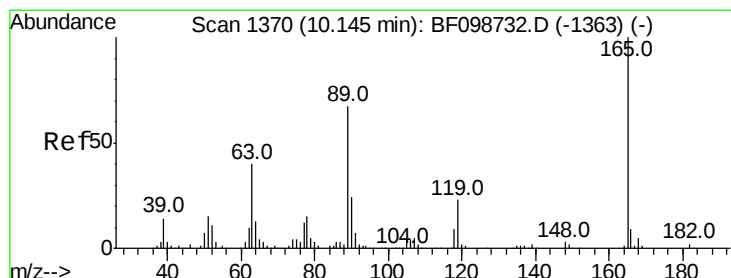
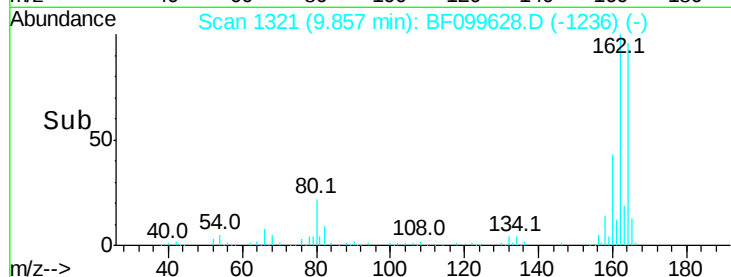
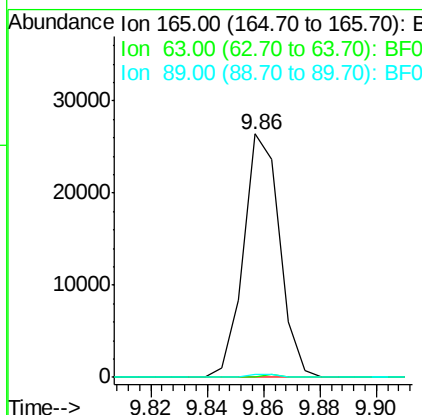
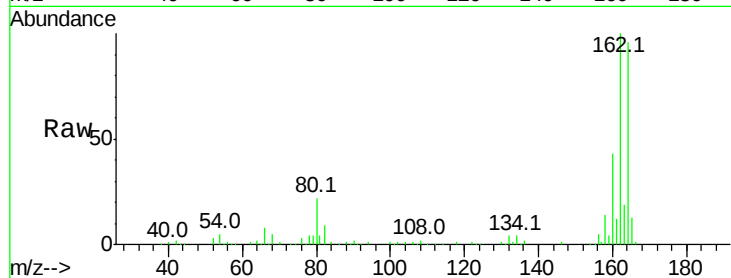




#50
 2,6-Dinitrotoluene
 Concen: 7.698 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. 0.20 min
 Lab File: BF099628.D
 Acq: 18 Oct 2017 20:19

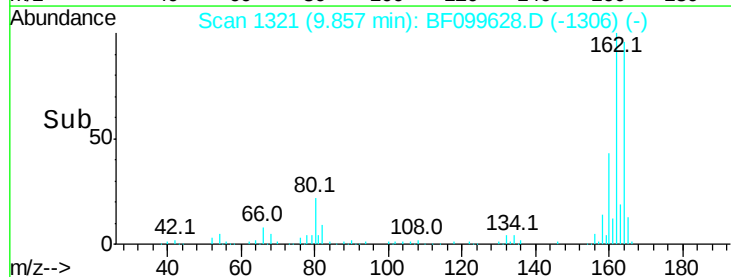
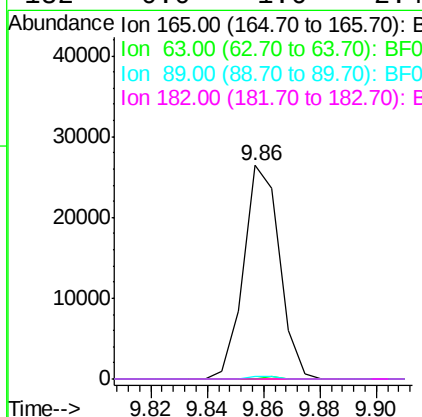
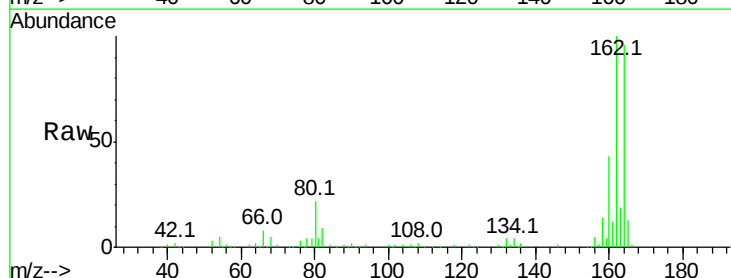
Instrument :
 BNA_F
 ClientSampleId :

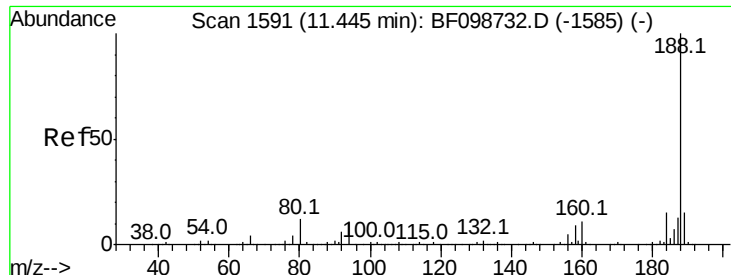
Tot Ion:165	Resp:	23379
Ion Ratio	Lower	Upper
165 100		
63 0.0	44.7	67.1#
89 1.2	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 5.932 ng
 RT: 9.86 min Scan# 1321
 Delta R.T. -0.21 min
 Lab File: BF099628.D
 Acq: 18 Oct 2017 20:19

Tgt Ion:165	Resp:	23379
Ion Ratio	Lower	Upper
165 100		
63 0.0	36.4	54.6#
89 1.2	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: BF099628.D

Acq: 18 Oct 2017 20:19

Instrument :

BNA_F

ClientSampleId :

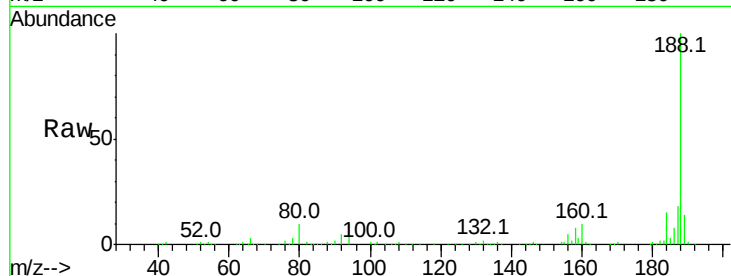
Tot Ion:188 Resp: 290023

Ion Ratio Lower Upper

188 100

94 9.6 8.5 12.7

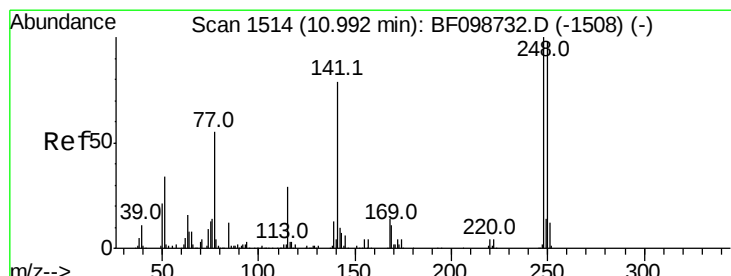
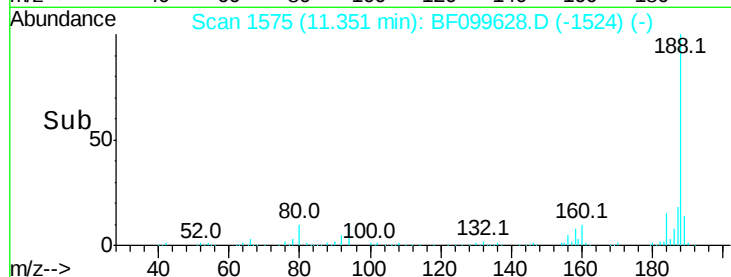
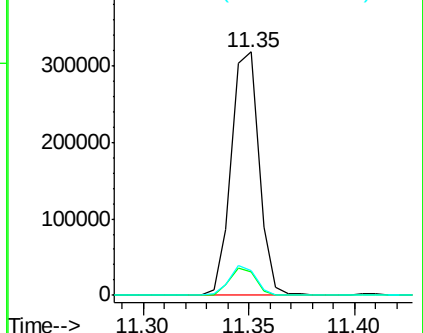
80 10.0 9.2 13.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#66

4-Bromophenyl-phenylether

Concen: 3.158 ng

RT: 10.65 min Scan# 1456

Delta R.T. -0.24 min

Lab File: BF099628.D

Acq: 18 Oct 2017 20:19

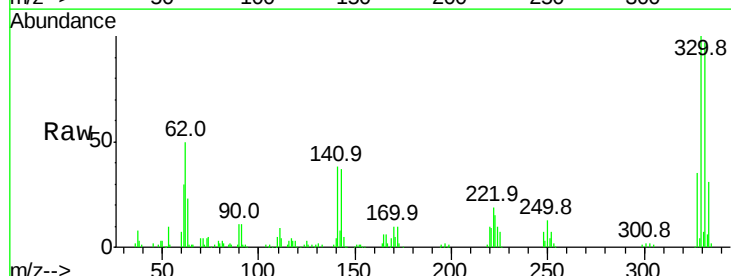
Tgt Ion:248 Resp: 8965

Ion Ratio Lower Upper

248 100

250 180.7 76.9 115.3#

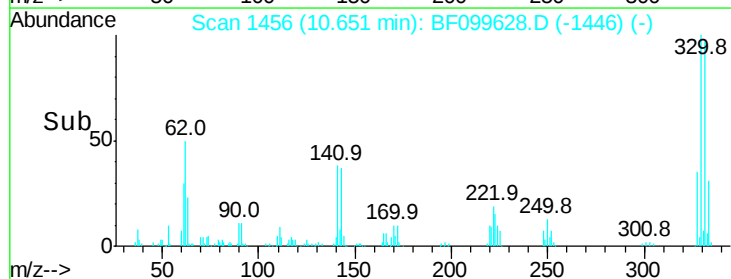
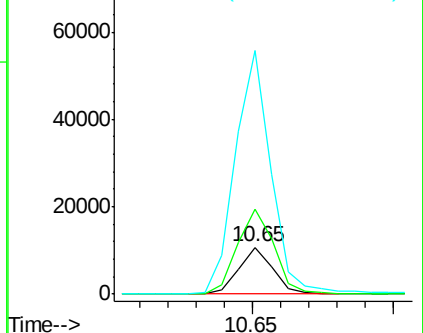
141 518.0 74.4 111.6#

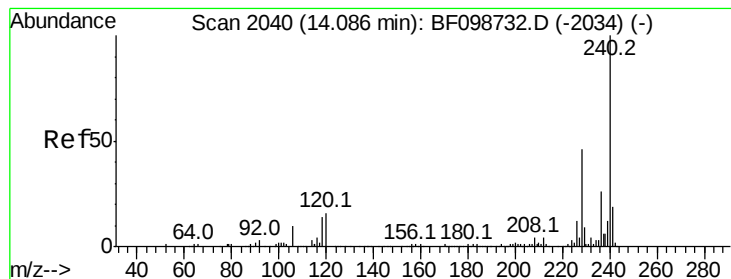


Abundance Ion 248.00 (247.70 to 248.70): E

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: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF099628.D

Acq: 18 Oct 2017 20:19

Instrument :

BNA_F

ClientSampled :

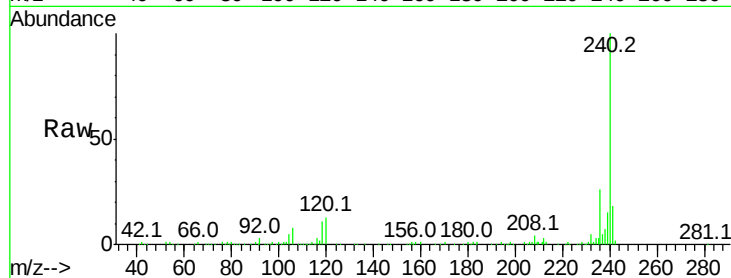
Tot Ion:240 Resp: 176694

Ion Ratio Lower Upper

240 100

120 13.2 9.5 14.3

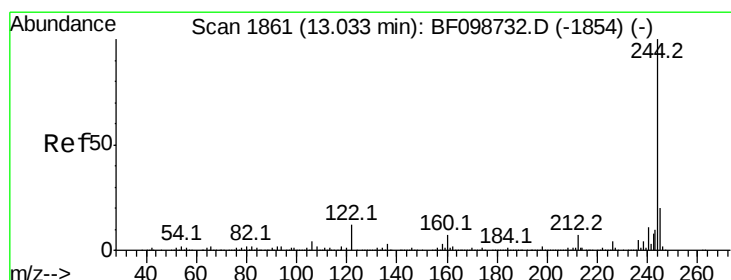
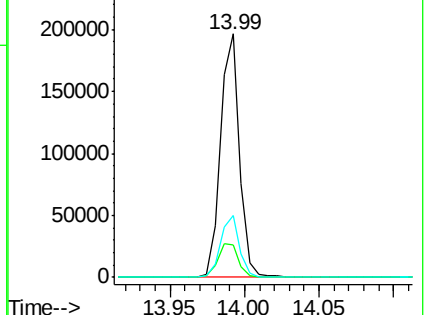
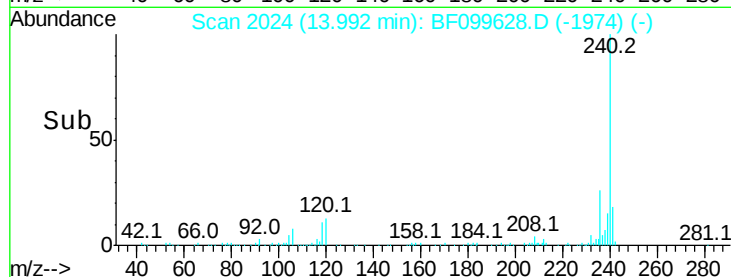
236 25.6 20.7 31.1



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: 67.978 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF099628.D

Acq: 18 Oct 2017 20:19

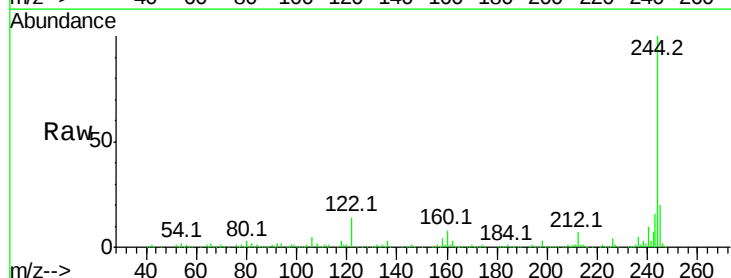
Tgt Ion:244 Resp: 528151

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

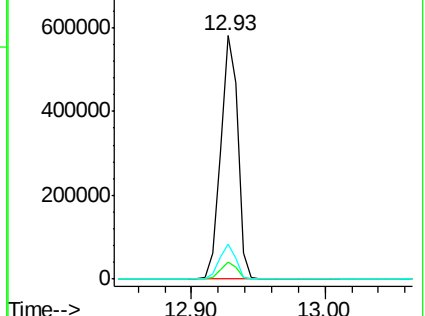
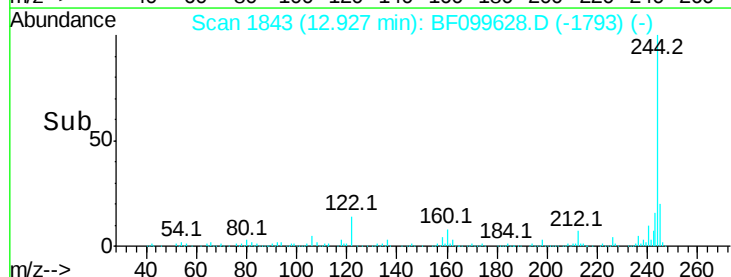
122 14.3 11.0 16.4

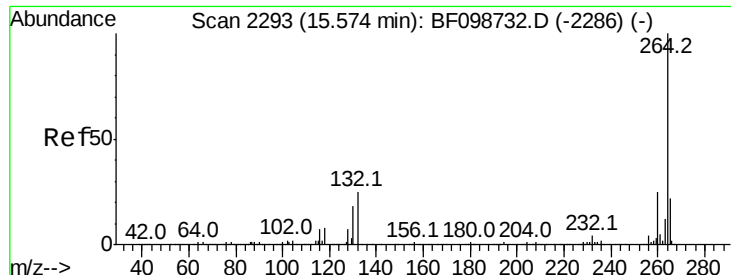


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

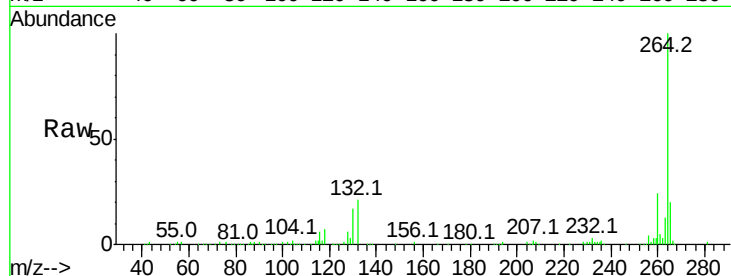




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. 0.00 min
Lab File: BF099628.D
Acq: 18 Oct 2017 20:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.2	28.8
265	20.3	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

