

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102117\
 Data File : BF099743.D
 Acq On : 21 Oct 2017 22:22
 Operator : SJ/JU
 Sample : I6036-04
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 22 00:51:35 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 20 13:11:43 2017
 Response via : Initial Calibration

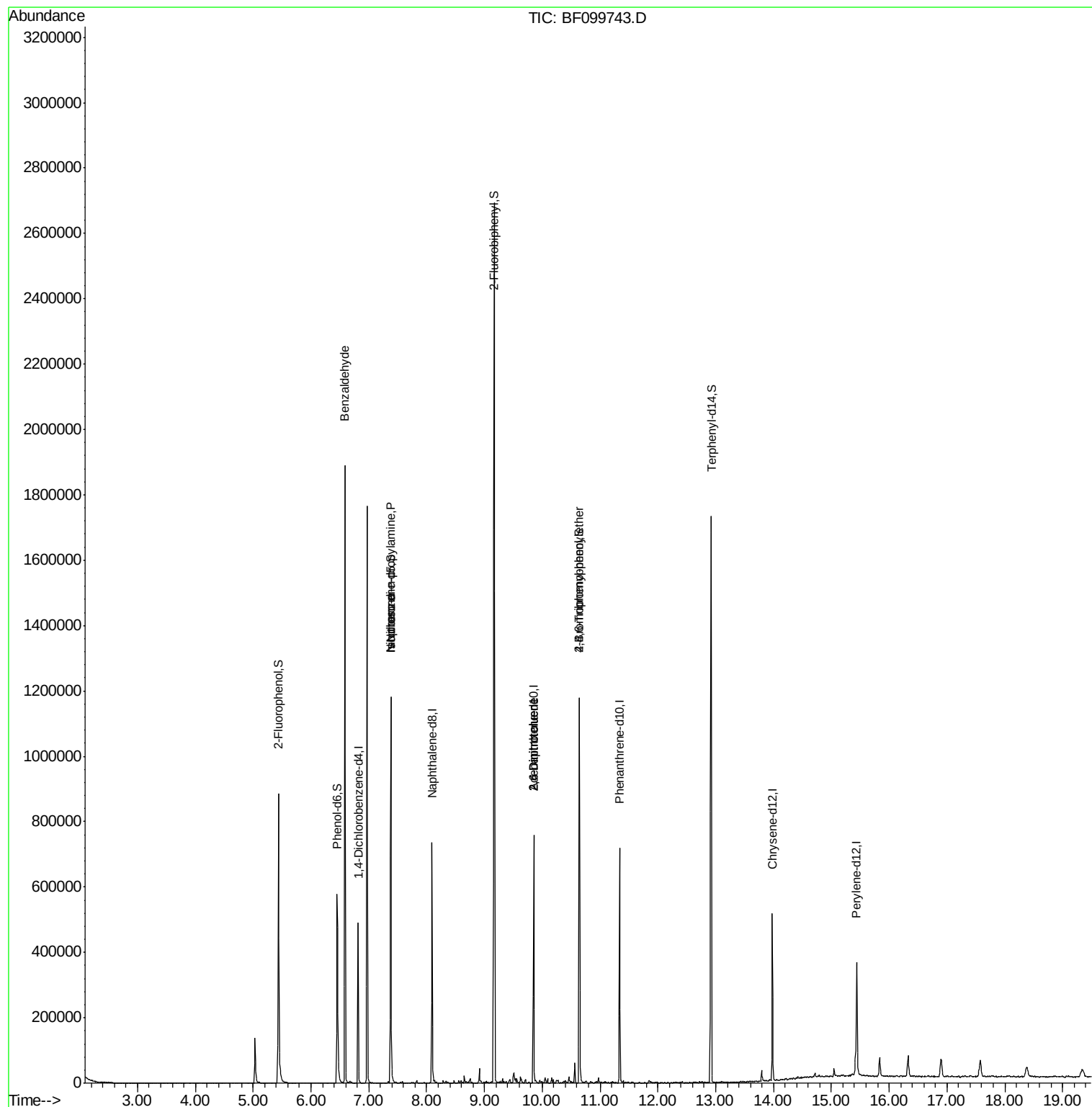
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	86824	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	356554	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	163242	20.00	ng	-0.01
63) Phenanthrene-d10	11.34	188	268042	20.00	ng	0.00
75) Chrysene-d12	13.98	240	156330	20.00	ng	0.00
86) Perylene-d12	15.44	264	156355	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	311844	57.18	ng	0.00
7) Phenol-d6	6.45	99	240889	35.80	ng	-0.01
23) Nitrobenzene-d5	7.38	82	429767	77.30	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	155544	116.45	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	866071	88.57	ng	0.00
78) Terphenyl-d14	12.92	244	612256	89.07	ng	0.00
Target Compounds						
9) Benzaldehyde	6.59	77	9289	2.380	ng	90
19) n-Nitroso-di-n-propylamine	7.38	70	53918	12.552	ng	# 73
25) Isophorone	7.38	82	429767	37.387	ng	# 64
50) 2,6-Dinitrotoluene	9.85	165	21162	7.890	ng	# 24
56) 2,4-Dinitrotoluene	9.85	165	21162	6.079	ng	# 21
66) 4-Bromophenyl-phenylether	10.65	248	10068	3.837	ng	# 1

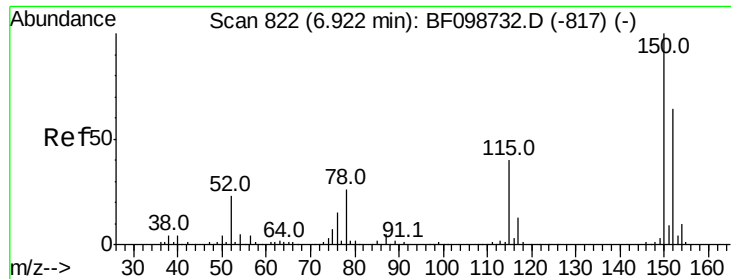
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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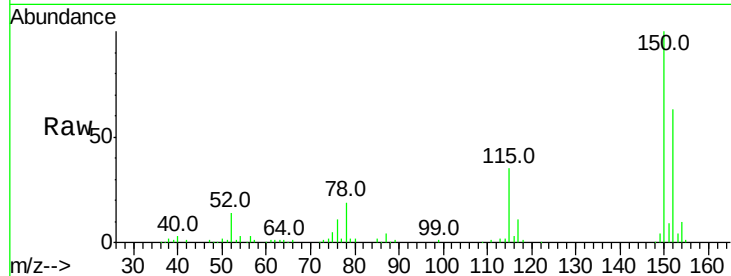


#1

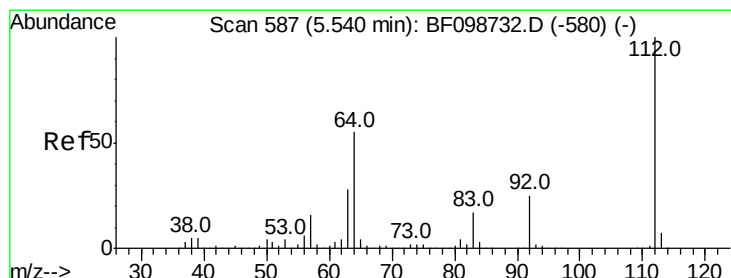
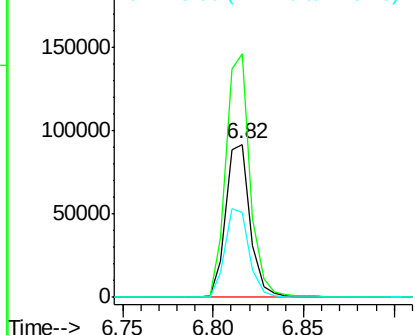
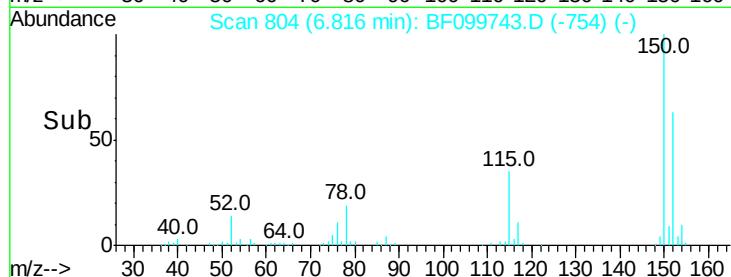
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: BF099743.D
 Acq: 21 Oct 2017 22:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 86824
 Ion Ratio Lower Upper
 152 100
 150 158.7 124.6 186.8
 115 55.6 50.1 75.1



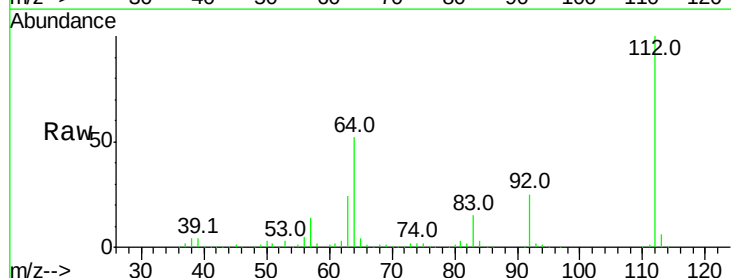
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



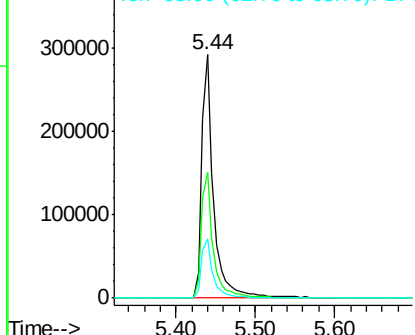
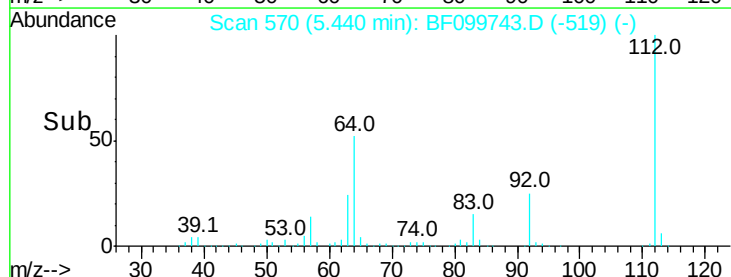
#5

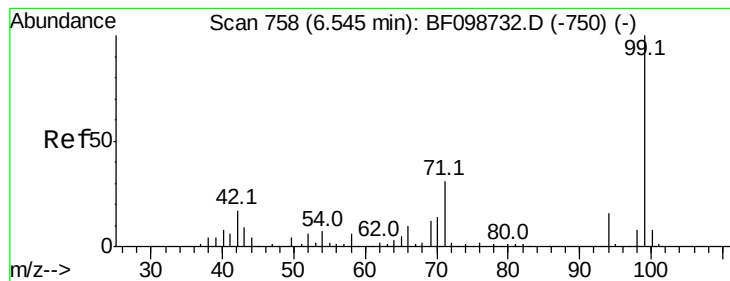
2-Fluorophenol
 Concen: 57.176 ng
 RT: 5.44 min Scan# 570
 Delta R.T. 0.00 min
 Lab File: BF099743.D
 Acq: 21 Oct 2017 22:22

Tgt Ion:112 Resp: 311844
 Ion Ratio Lower Upper
 112 100
 64 51.5 47.9 71.9
 63 24.2 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: 35.803 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF099743.D

Acq: 21 Oct 2017 22:22

Instrument :

BNA_F

ClientSampleId :

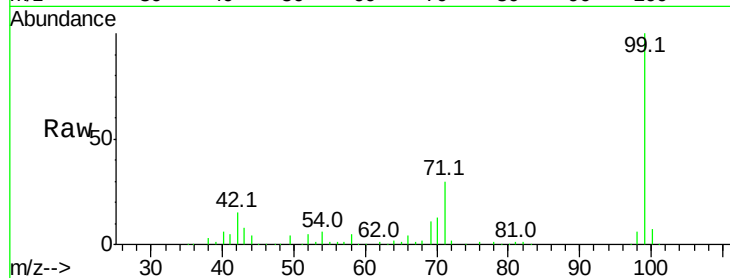
Tot Ion: 99 Resp: 240889

Ion Ratio Lower Upper

99 100

42 14.7 14.5 21.7

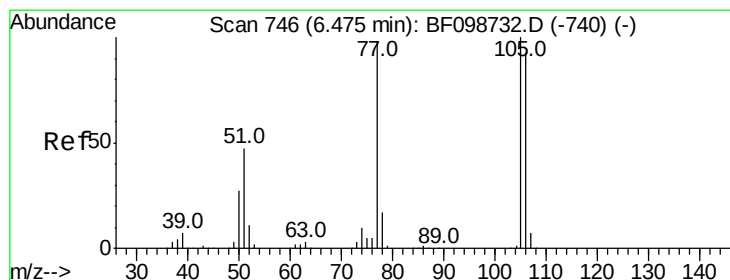
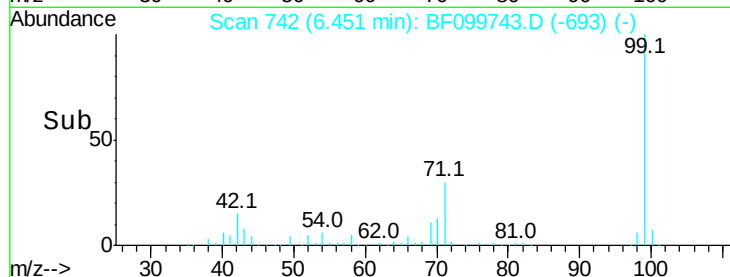
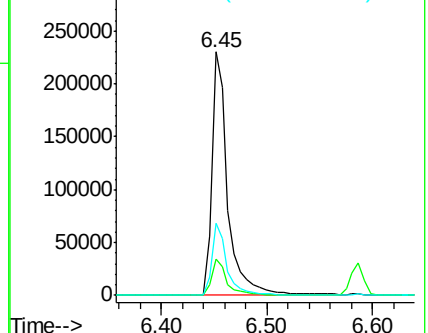
71 29.9 25.4 38.0



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: 2.380 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.21 min

Lab File: BF099743.D

Acq: 21 Oct 2017 22:22

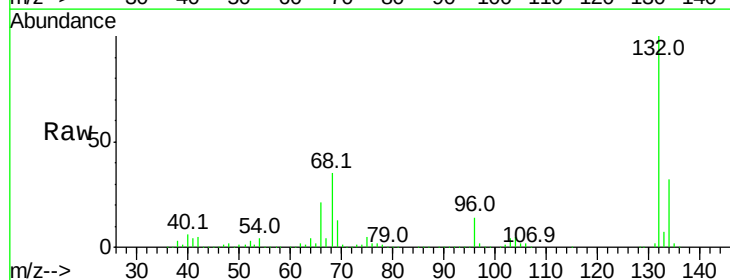
Tgt Ion: 77 Resp: 9289

Ion Ratio Lower Upper

77 100

105 90.8 81.1 121.1

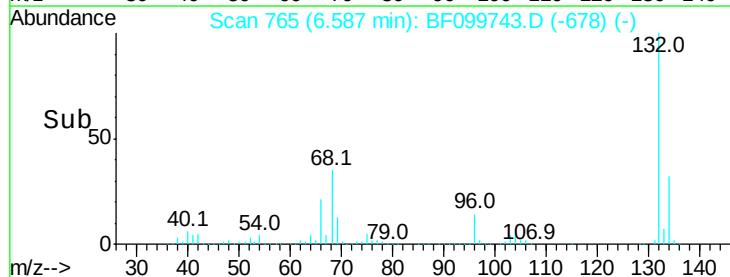
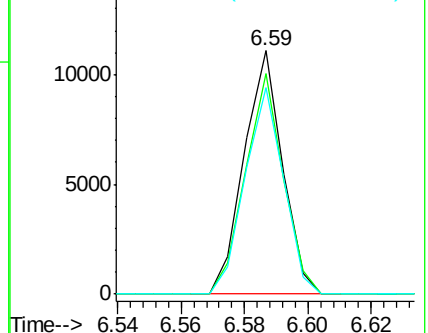
106 84.9 74.5 114.5

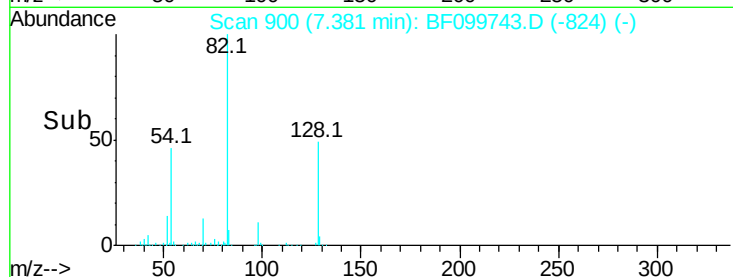
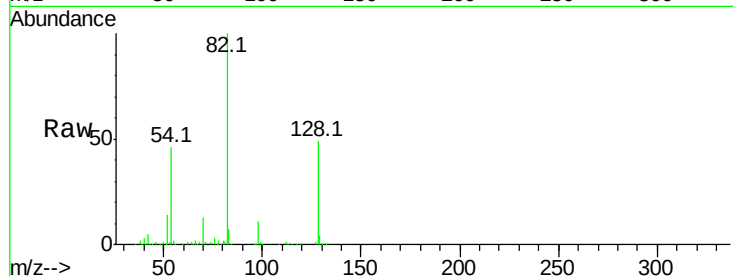
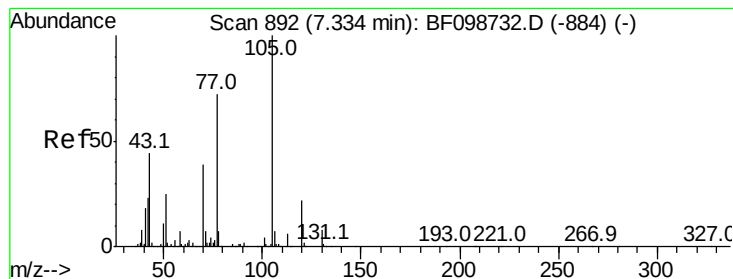


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 12.552 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.15 min

Lab File: BF099743.D

Acq: 21 Oct 2017 22:22

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 53918

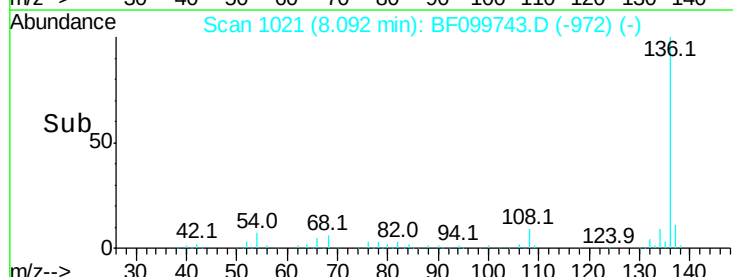
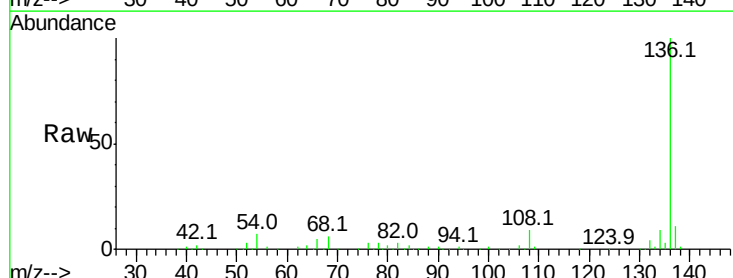
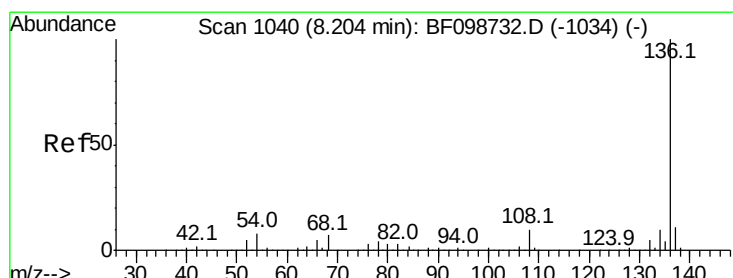
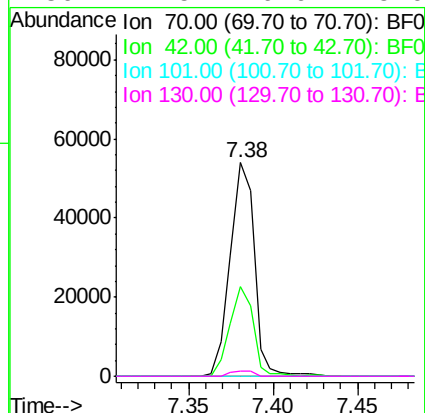
Ion Ratio Lower Upper

70 100

42 42.3 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF099743.D

Acq: 21 Oct 2017 22:22

Tgt Ion: 136 Resp: 356554

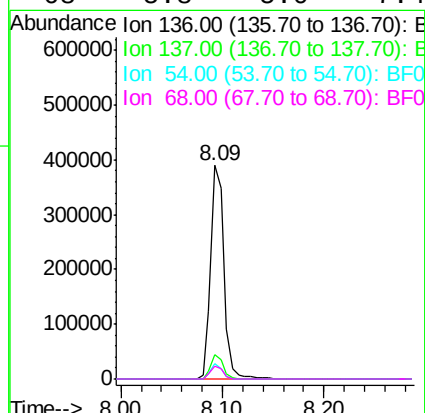
Ion Ratio Lower Upper

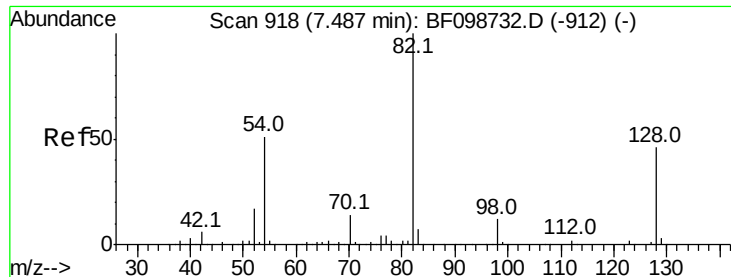
136 100

137 11.3 8.9 13.3

54 6.9 6.6 9.8

68 5.8 5.0 7.4

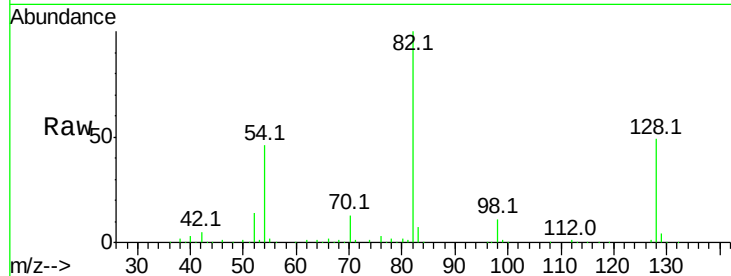




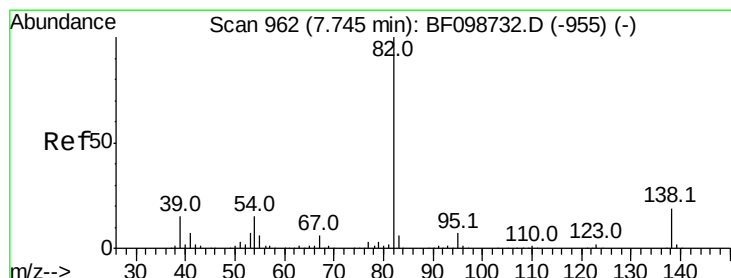
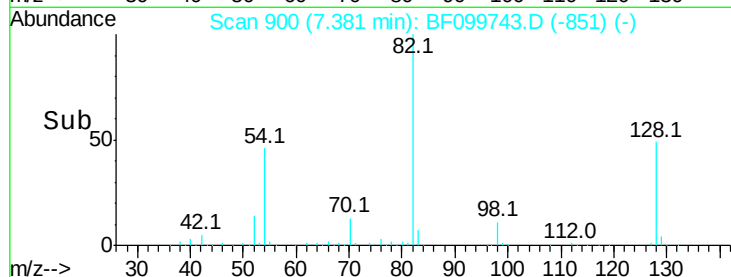
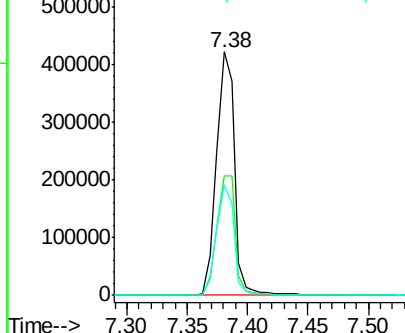
#23
 Nitrobenzene-d5
 Concen: 77.298 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: BF099743.D
 Acq: 21 Oct 2017 22:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	429767
Ion Ratio	Lower	Upper	
82	100		
128	49.1	36.1	54.1
54	45.5	41.4	62.2

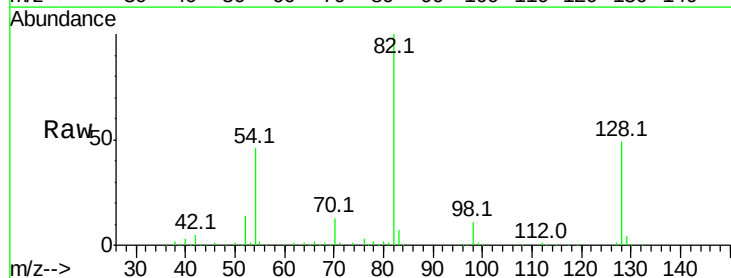


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

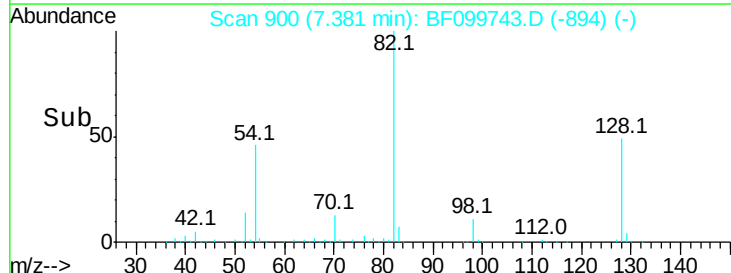
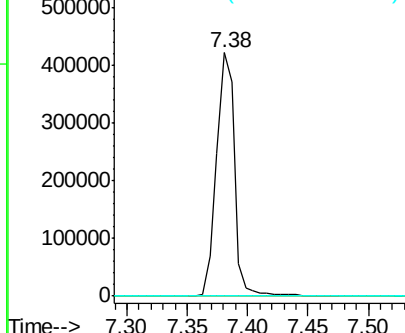


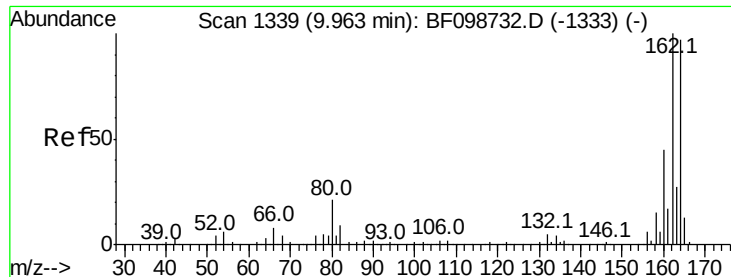
#25
 Isophorone
 Concen: 37.387 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.26 min
 Lab File: BF099743.D
 Acq: 21 Oct 2017 22:22

Tgt Ion	82	Resp	429767
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): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF099743.D

Acq: 21 Oct 2017 22:22

Instrument :

BNA_F

ClientSampled :

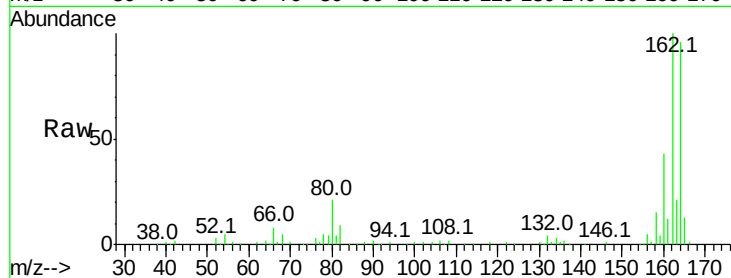
Tot Ion:164 Resp: 163242

Ion Ratio Lower Upper

164 100

162 104.1 86.1 129.1

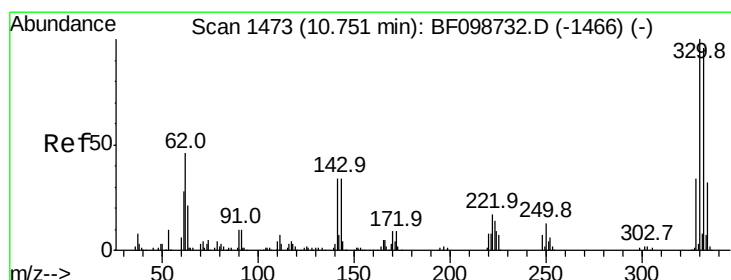
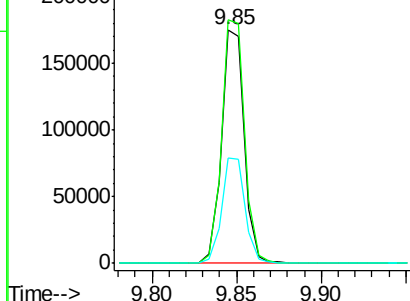
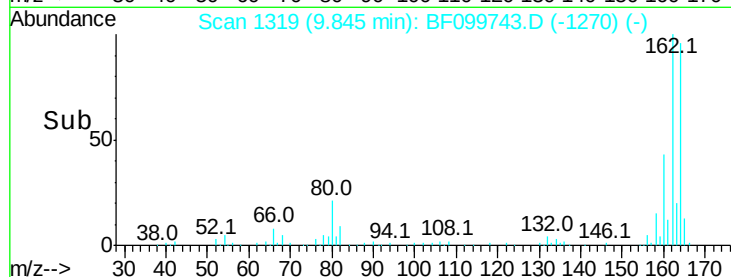
160 44.9 38.3 57.5



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: 116.446 ng

RT: 10.65 min Scan# 1455

Delta R.T. -0.01 min

Lab File: BF099743.D

Acq: 21 Oct 2017 22:22

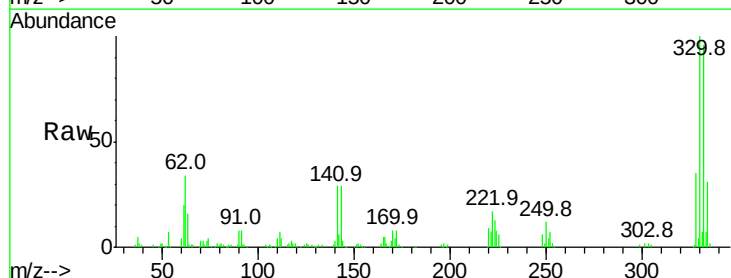
Tgt Ion:330 Resp: 155544

Ion Ratio Lower Upper

330 100

332 95.8 77.0 115.6

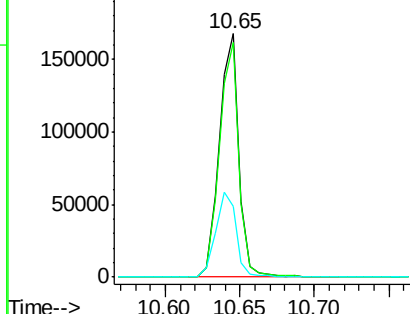
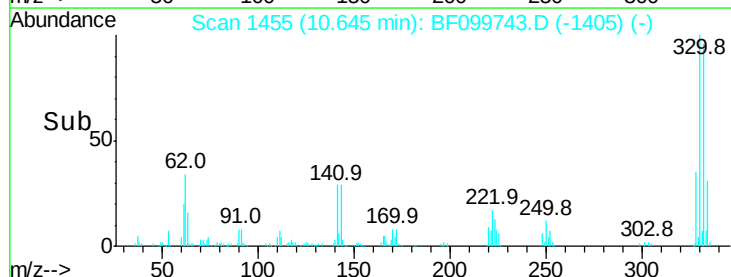
141 36.4 29.9 44.9

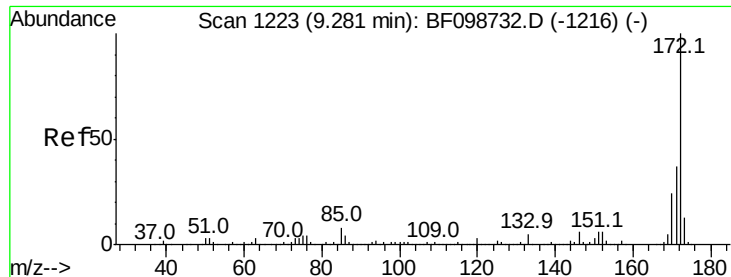


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

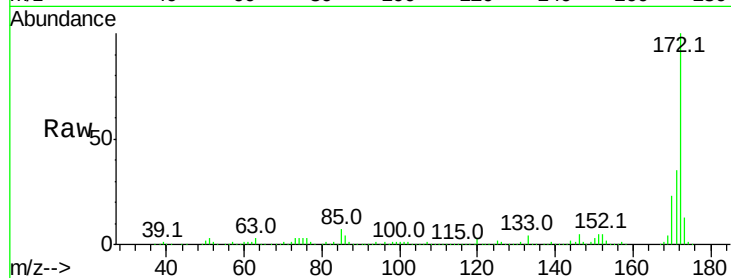




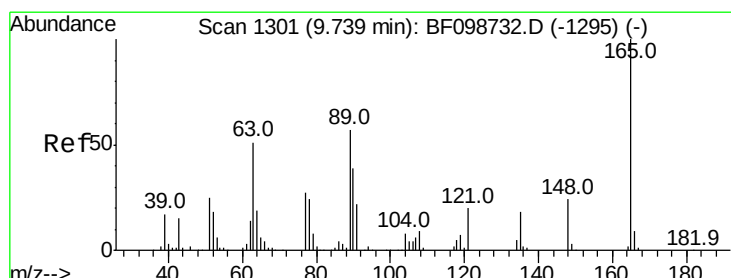
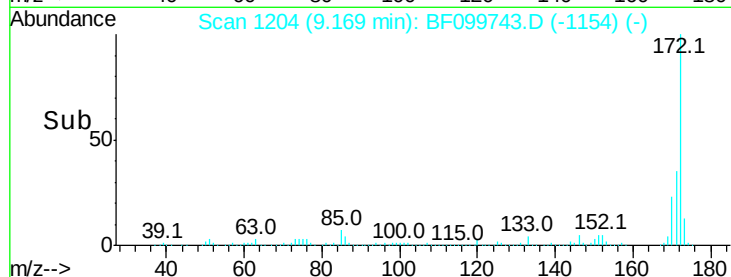
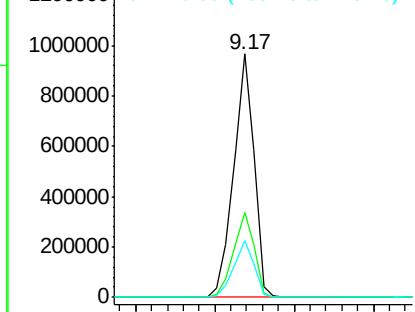
#44
 2-Fluorobiphenyl
 Concen: 88.570 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF099743.D
 Acq: 21 Oct 2017 22:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 866071
 Ion Ratio Lower Upper
 172 100
 171 35.1 29.7 44.5
 170 23.3 19.6 29.4

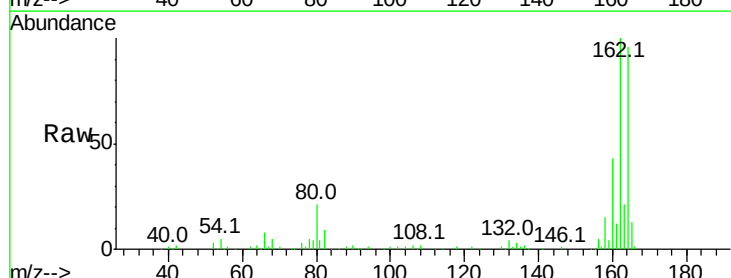


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

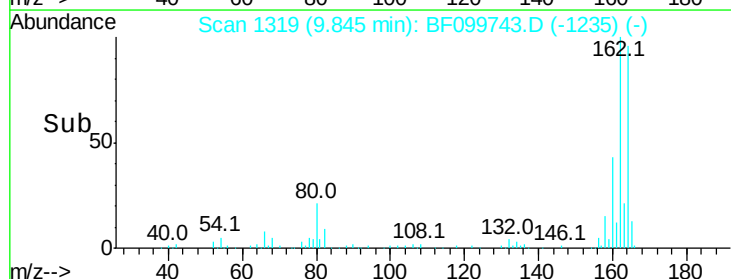
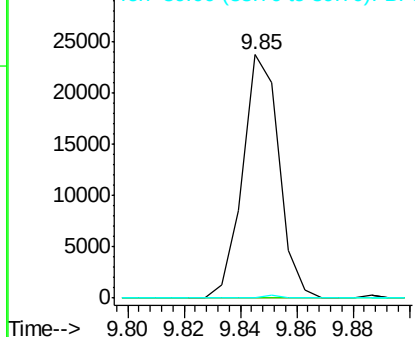


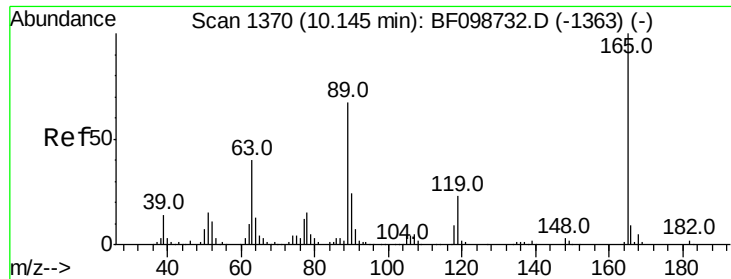
#50
 2,6-Dinitrotoluene
 Concen: 7.890 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.19 min
 Lab File: BF099743.D
 Acq: 21 Oct 2017 22:22

Tgt Ion:165 Resp: 21162
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 0.0 44.0 66.0#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0

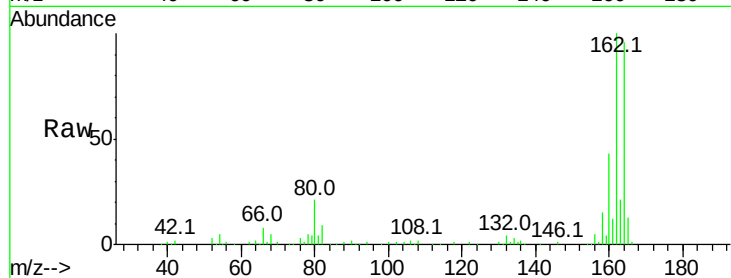




#56
 2,4-Dinitrotoluene
 Concen: 6.079 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.21 min
 Lab File: BF099743.D
 Acq: 21 Oct 2017 22:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	165	Resp:	21162
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#

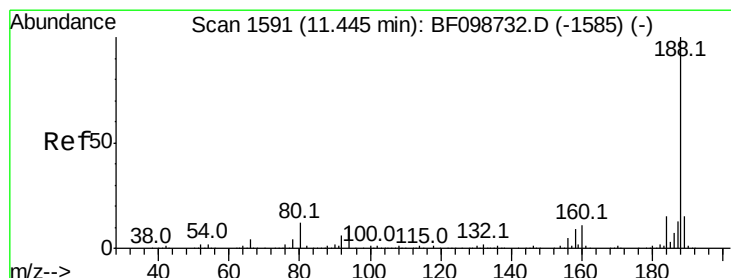
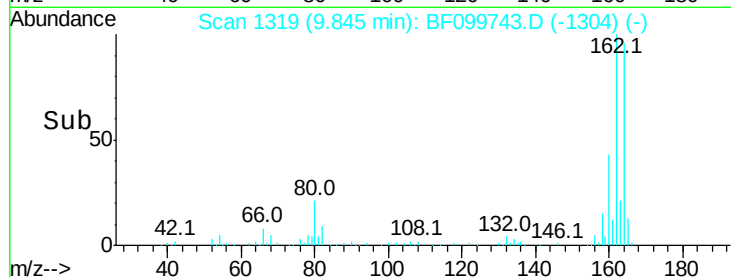
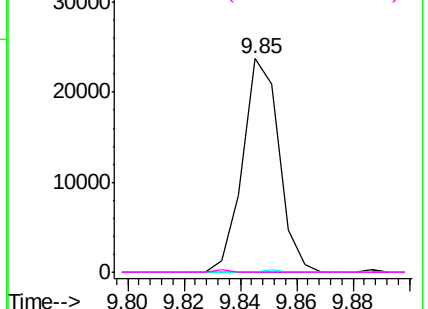


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

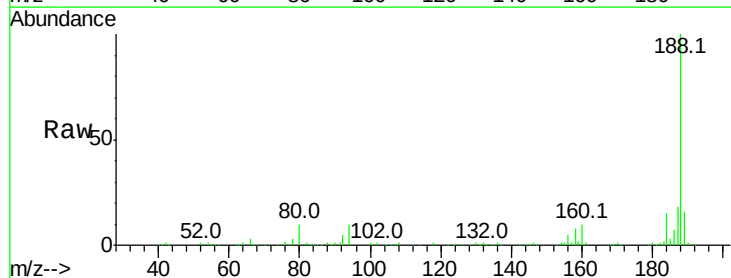
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.01 min
 Lab File: BF099743.D
 Acq: 21 Oct 2017 22:22

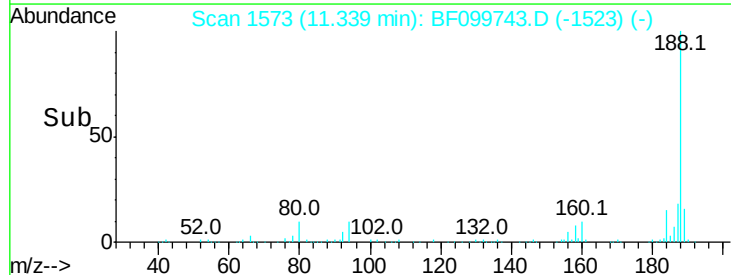
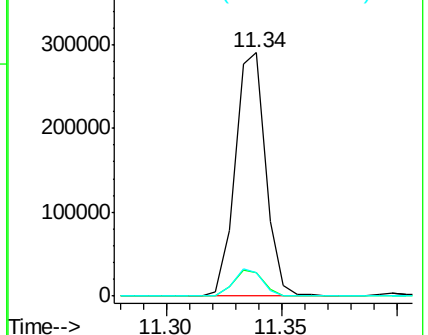
Tgt Ion:	188	Resp:	268042
Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.5	12.7
80	9.9	9.2	13.8

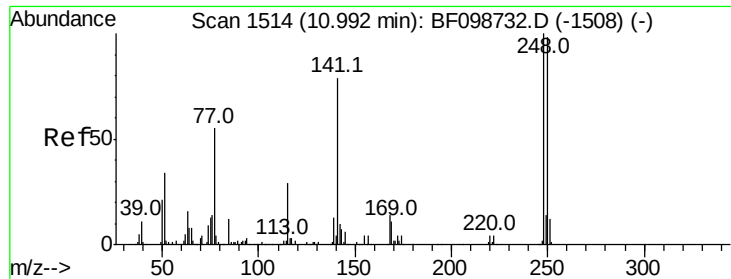


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

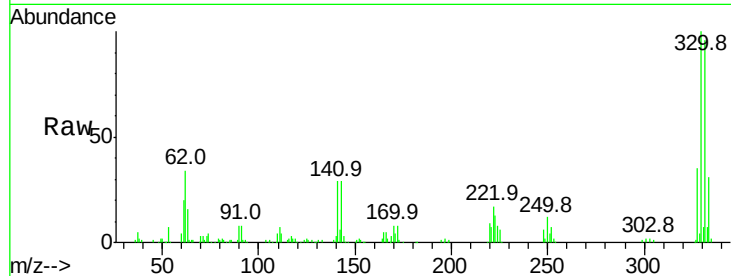




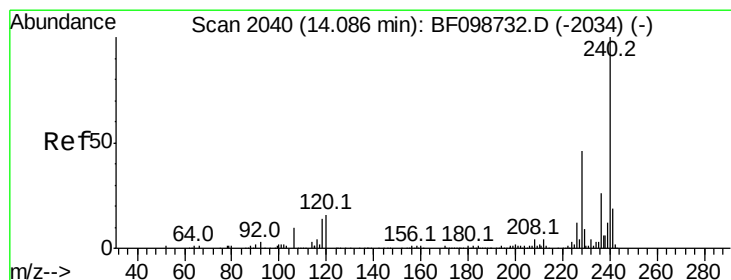
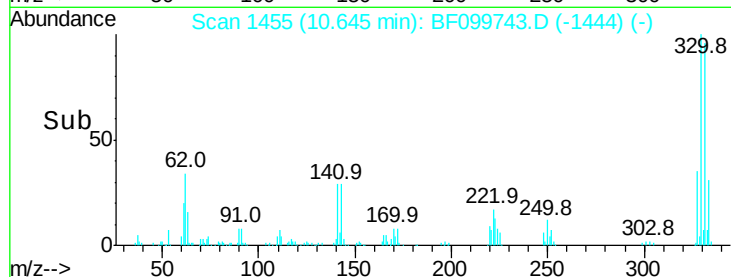
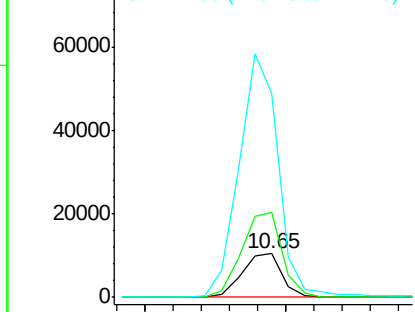
#66
4-Bromophenyl-phenylether
Concen: 3.837 ng
RT: 10.65 min Scan# 1455
Delta R.T. -0.24 min
Lab File: BF099743.D
Acq: 21 Oct 2017 22:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	195.9	76.9	115.3#
141	470.3	74.4	111.6#

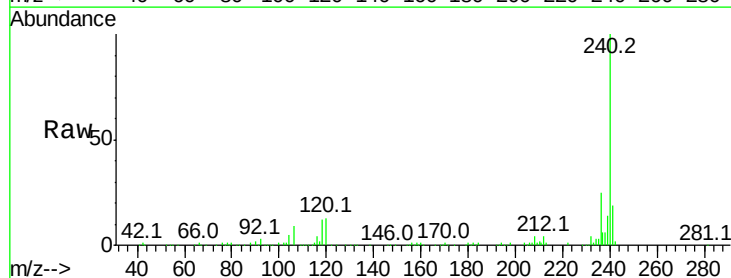


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

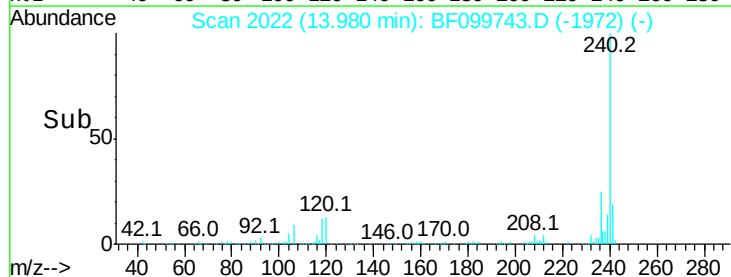
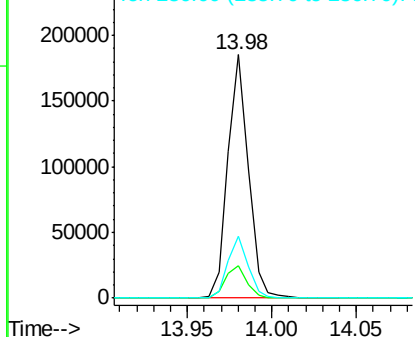


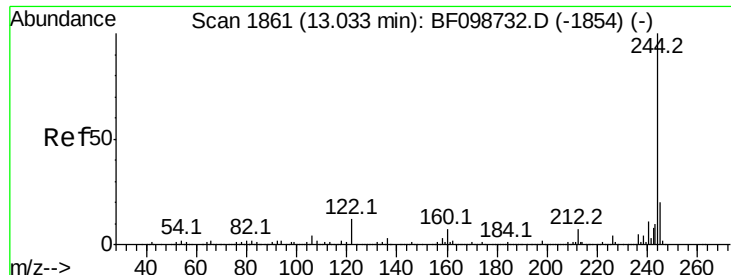
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF099743.D
Acq: 21 Oct 2017 22:22

Tgt Ion	Ratio	Lower	Upper
240	100		
120	13.4	9.5	14.3
236	25.2	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: 89.068 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF099743.D

Acq: 21 Oct 2017 22:22

Instrument :

BNA_F

ClientSampleId :

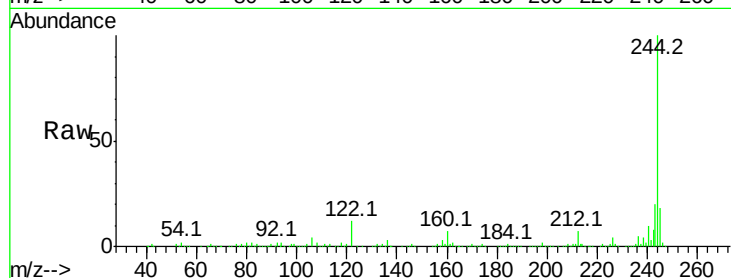
Tot Ion:244 Resp: 612256

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

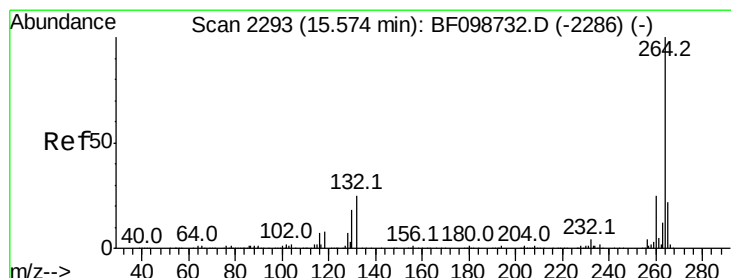
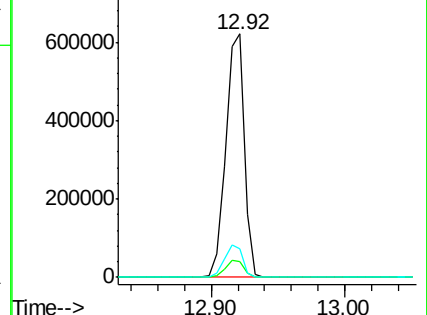
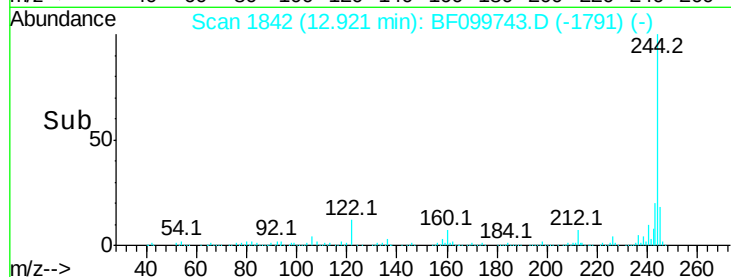
122 11.8 11.0 16.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2270

Delta R.T. 0.00 min

Lab File: BF099743.D

Acq: 21 Oct 2017 22:22

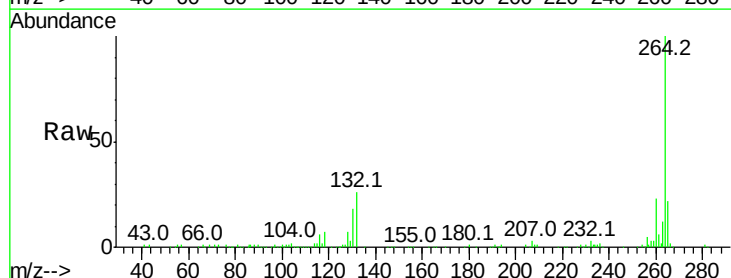
Tgt Ion:264 Resp: 156355

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 21.6 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

