

Data Path : Z:\HPCHEM1\BNA F\DATA\BF100617\
 Data File : BF099183.D
 Acq On : 7 Oct 2017 8:26
 Operator : SJ/JU
 Sample : I5675-03
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 08 03:02:26 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 05 17:20:48 2017
 Response via : Initial Calibration

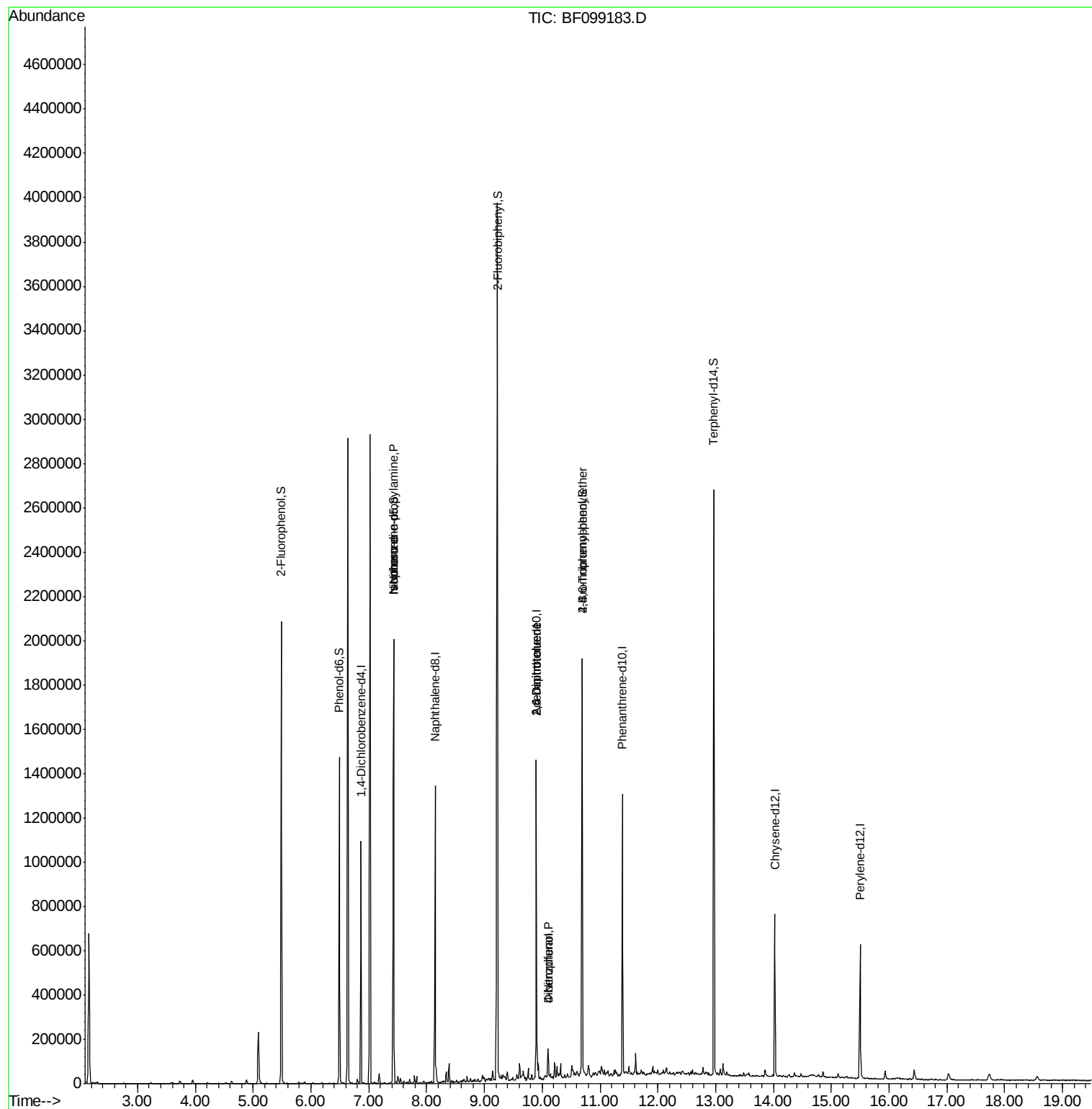
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	145364	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	589048	20.00	ng	0.00
38) Acenaphthene-d10	9.90	164	263708	20.00	ng	0.00
63) Phenanthrene-d10	11.39	188	409540	20.00	ng	0.00
75) Chrysene-d12	14.02	240	225247	20.00	ng	-0.01
86) Perylene-d12	15.50	264	252517	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	581557	63.69	ng	0.00
7) Phenol-d6	6.49	99	456734	40.55	ng	0.00
23) Nitrobenzene-d5	7.43	82	776400	84.53	ng	0.00
41) 2,4,6-Tribromophenol	10.69	330	235374	109.08	ng	0.00
44) 2-Fluorobiphenyl	9.22	172	1346269	85.23	ng	0.00
78) Terphenyl-d14	12.97	244	896866	90.55	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.43	70	100214	13.934	ng	# 74
25) Isophorone	7.43	82	776392	40.883	ng	# 64
50) 2,6-Dinitrotoluene	9.90	165	34543	7.972	ng	# 25
54) Dibenzofuran	10.10	168	47461	2.160	ng	100
55) 4-Nitrophenol	10.10	139	18843	4.411	ng	# 12
56) 2,4-Dinitrotoluene	9.90	165	34543	6.143	ng	# 23
66) 4-Bromophenyl-phenylether	10.69	248	15989	3.989	ng	# 1

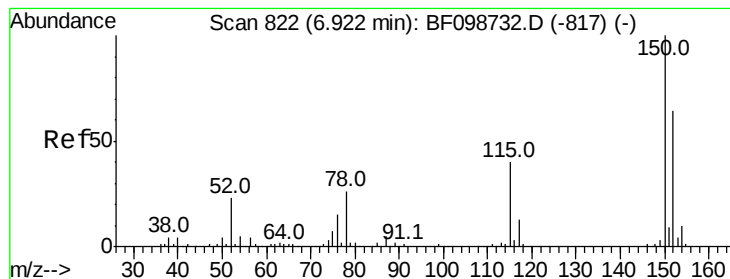
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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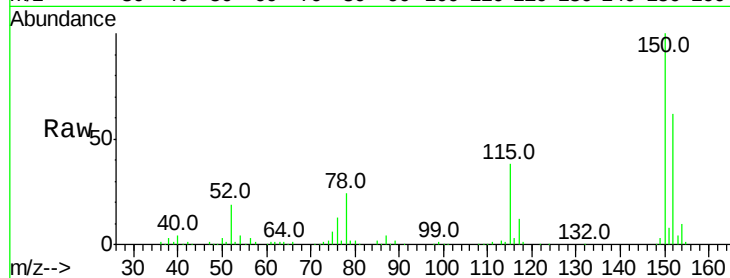


#1

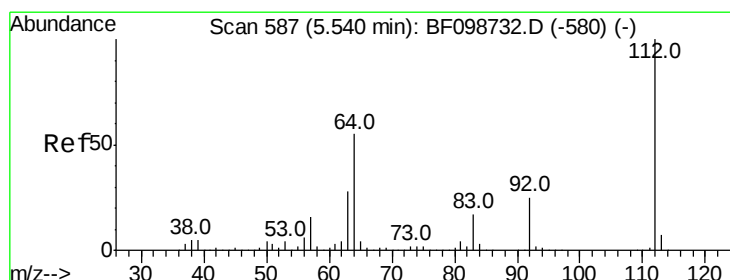
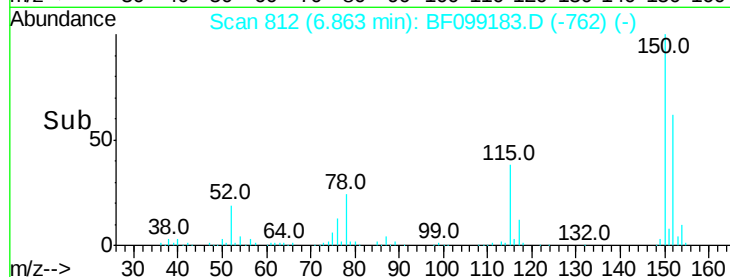
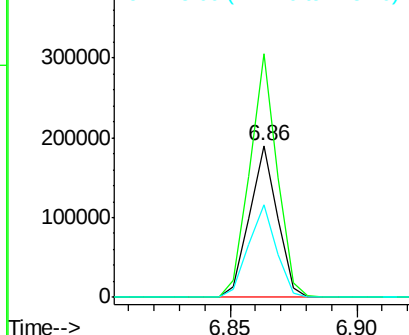
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF099183.D
Acq: 7 Oct 2017 8:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 145364
Ion Ratio Lower Upper
152 100
150 160.5 124.6 186.8
115 61.0 50.1 75.1



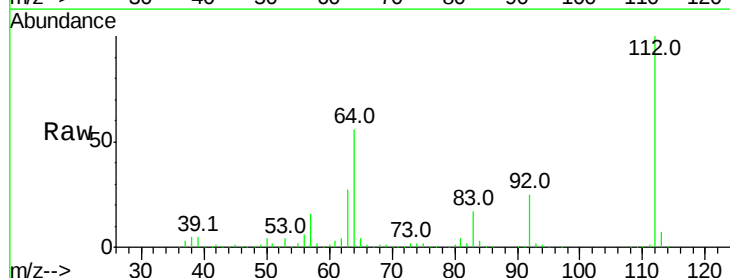
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



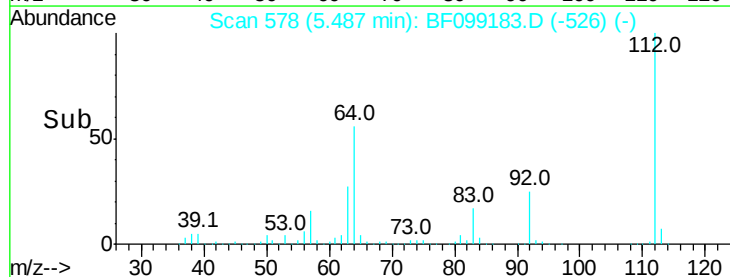
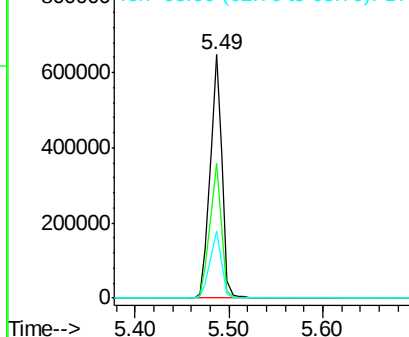
#5

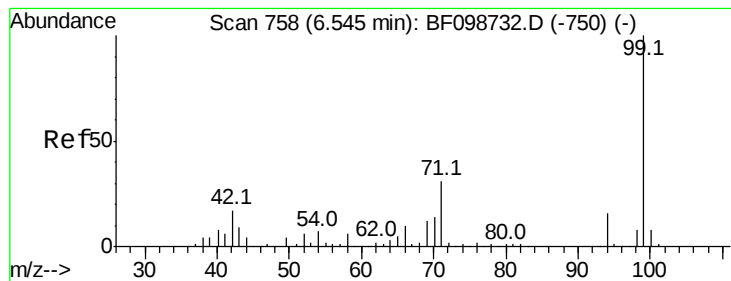
2-Fluorophenol
Concen: 63.687 ng
RT: 5.49 min Scan# 578
Delta R.T. 0.01 min
Lab File: BF099183.D
Acq: 7 Oct 2017 8:26

Tgt Ion:112 Resp: 581557
Ion Ratio Lower Upper
112 100
64 55.6 47.9 71.9
63 27.4 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: 40.546 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF099183.D

Acq: 7 Oct 2017 8:26

Instrument :

BNA_F

ClientSampleId :

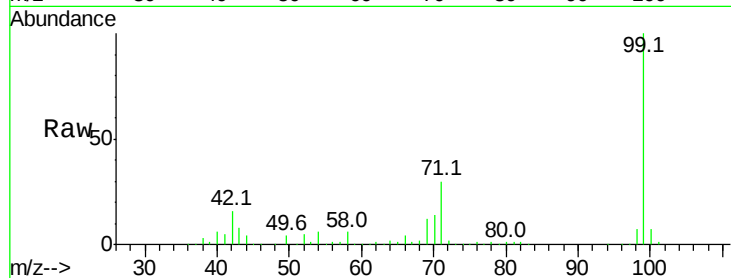
Tot Ion: 99 Resp: 456734

Ion Ratio Lower Upper

99 100

42 15.7 14.5 21.7

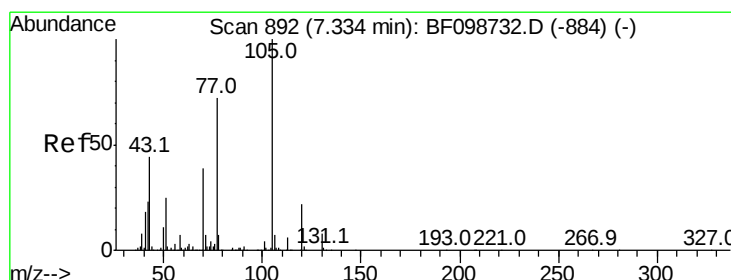
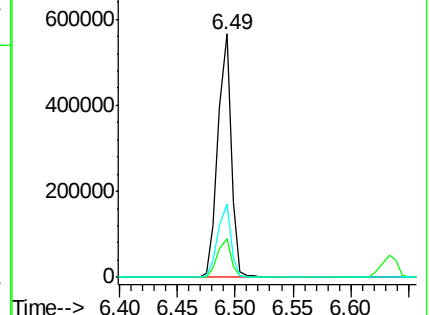
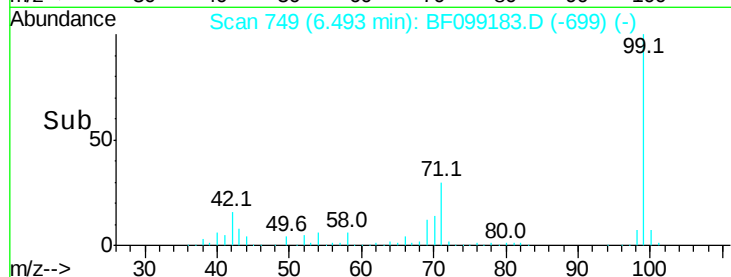
71 30.1 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 13.934 ng

RT: 7.43 min Scan# 908

Delta R.T. 0.14 min

Lab File: BF099183.D

Acq: 7 Oct 2017 8:26

Tgt Ion: 70 Resp: 100214

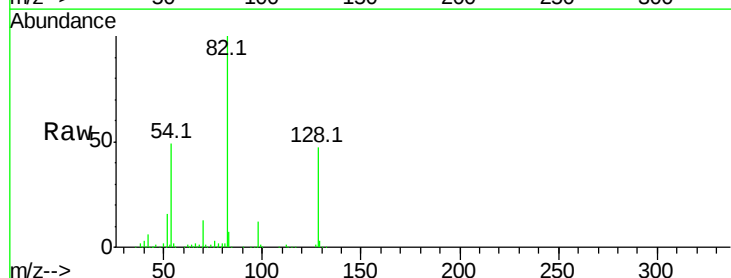
Ion Ratio Lower Upper

70 100

42 43.6 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

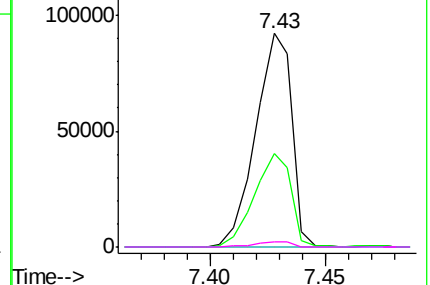
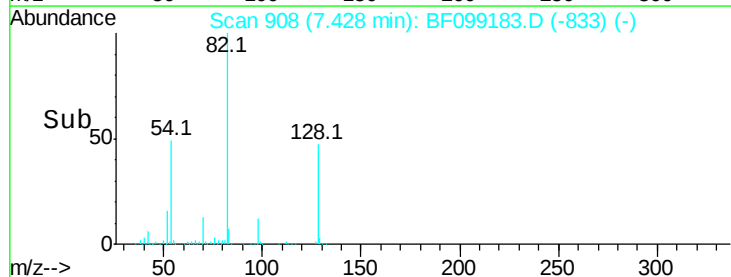


Abundance Ion 70.00 (69.70 to 70.70): BF0

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

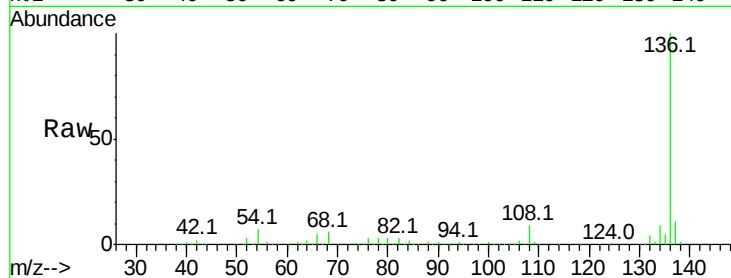




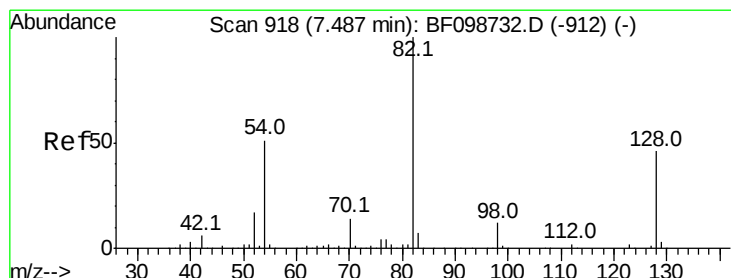
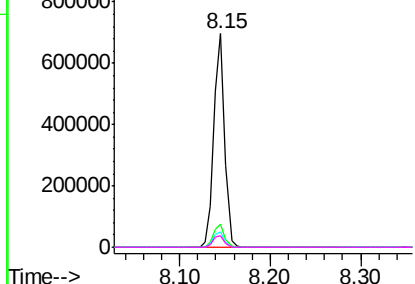
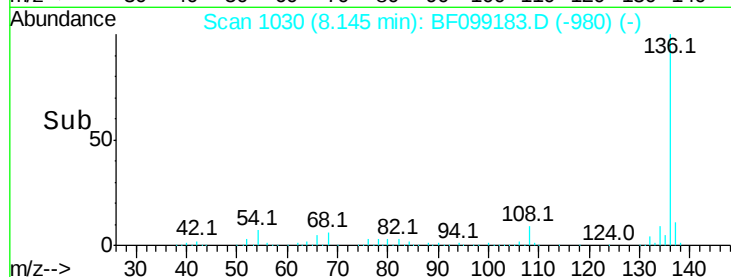
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF099183.D
Acq: 7 Oct 2017 8:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	589048
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	7.2	6.6	9.8
68	5.7	5.0	7.4

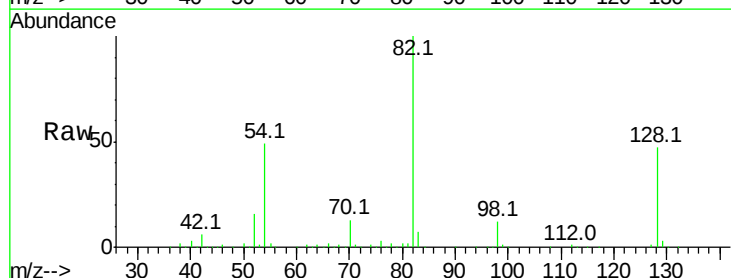


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

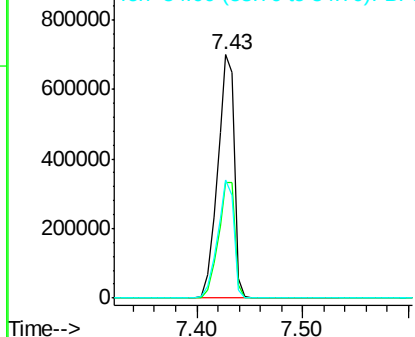
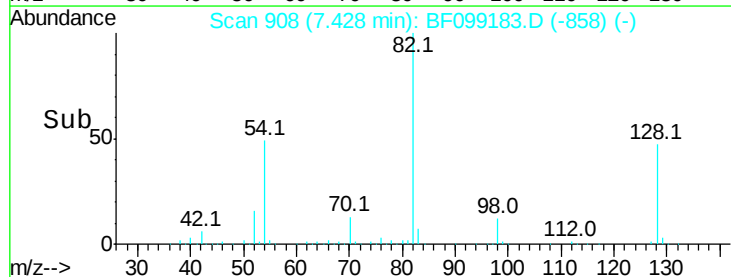


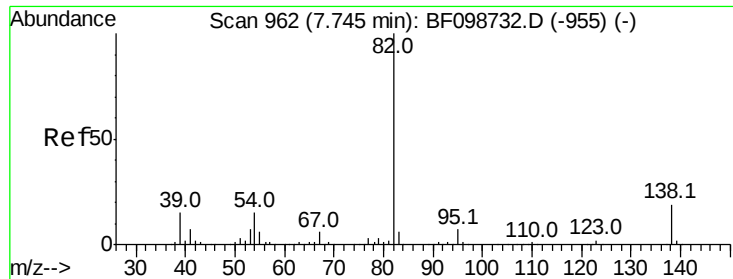
#23
Nitrobenzene-d5
Concen: 84.527 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.01 min
Lab File: BF099183.D
Acq: 7 Oct 2017 8:26

Tgt Ion:	82	Resp:	776400
Ion	Ratio	Lower	Upper
82	100		
128	47.5	36.1	54.1
54	48.7	41.4	62.2



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

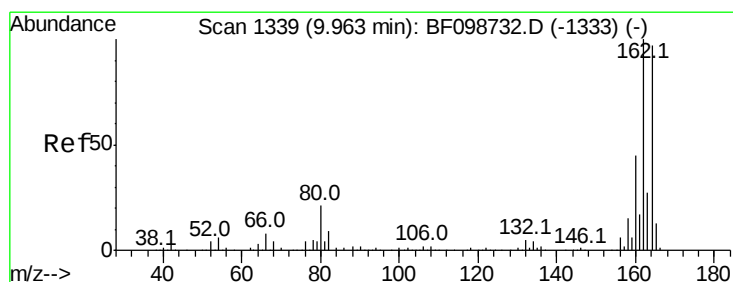
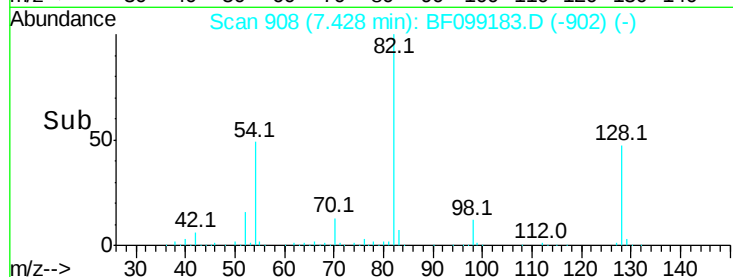
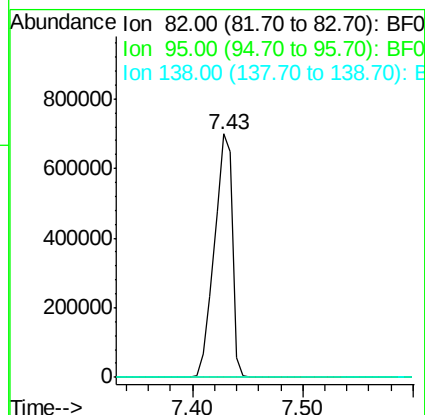
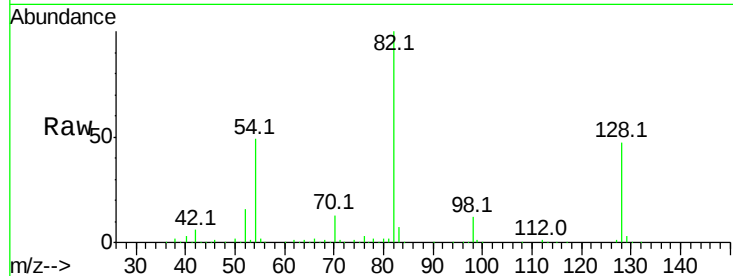




#25
Isophorone
Concen: 40.883 ng
RT: 7.43 min Scan# 908
Delta R.T. -0.26 min
Lab File: BF099183.D
Acq: 7 Oct 2017 8:26

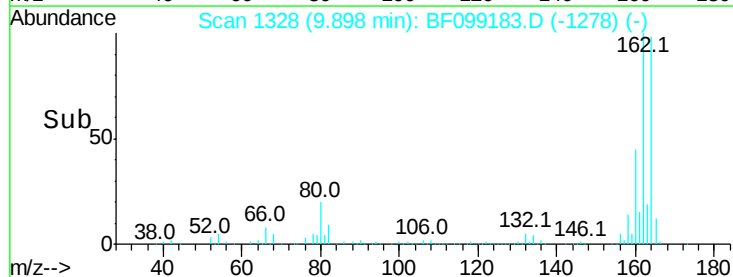
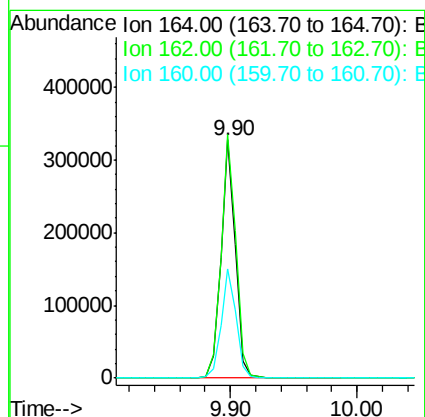
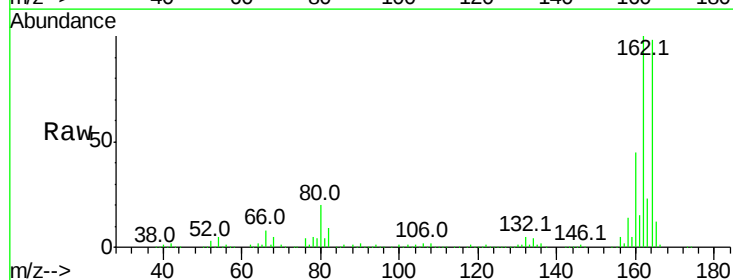
Instrument :
BNA_F
ClientSampled :

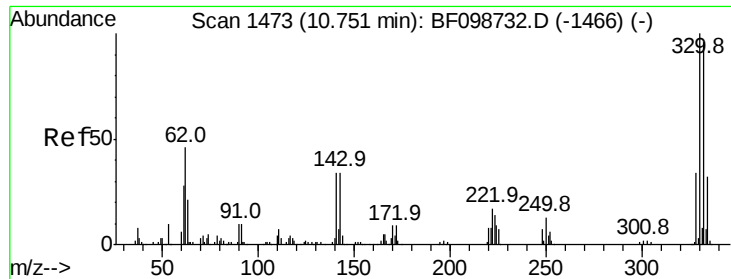
Tot Ion: 82 Resp: 776392
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.01 min
Lab File: BF099183.D
Acq: 7 Oct 2017 8:26

Tgt Ion:164 Resp: 263708
Ion Ratio Lower Upper
164 100
162 102.2 86.1 129.1
160 45.8 38.3 57.5

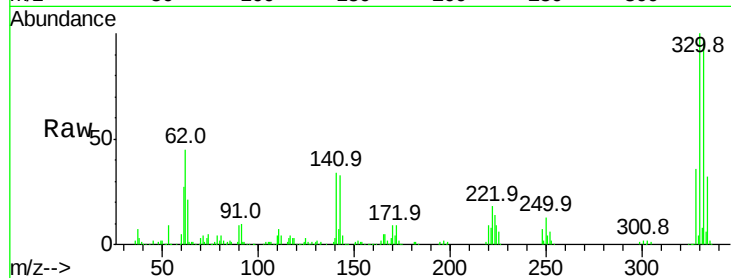




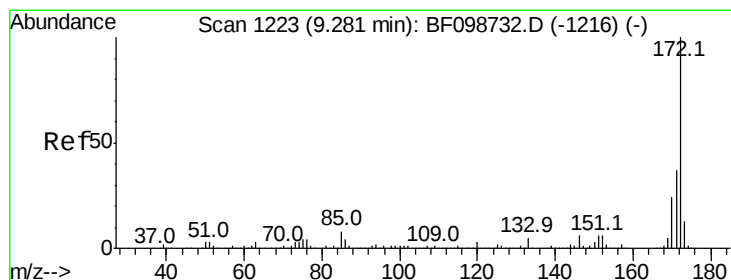
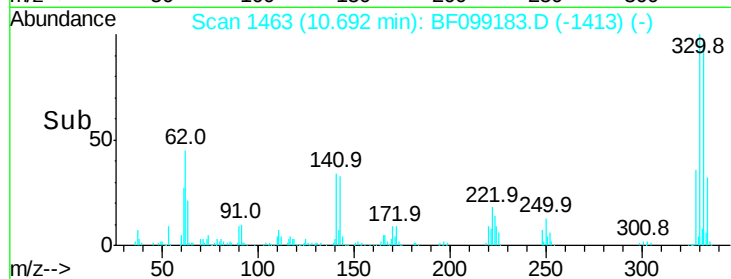
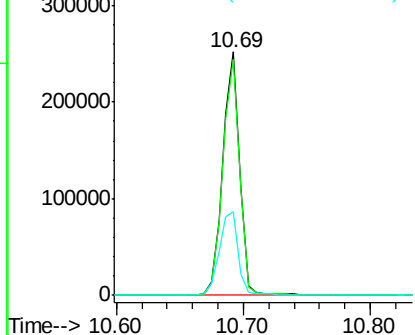
#41
 2,4,6-Tribromophenol
 Concen: 109.078 ng
 RT: 10.69 min Scan# 1463
 Delta R.T. -0.01 min
 Lab File: BF099183.D
 Acq: 7 Oct 2017 8:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 235374
 Ion Ratio Lower Upper
 330 100
 332 97.4 77.0 115.6
 141 38.4 29.9 44.9

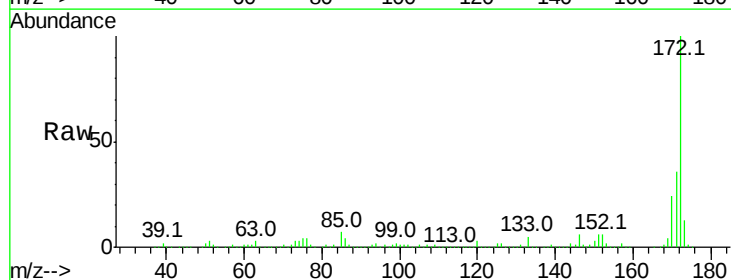


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

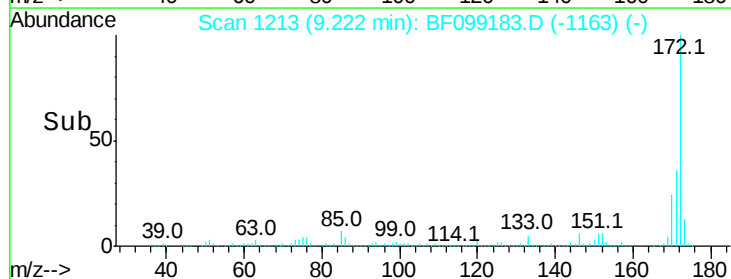
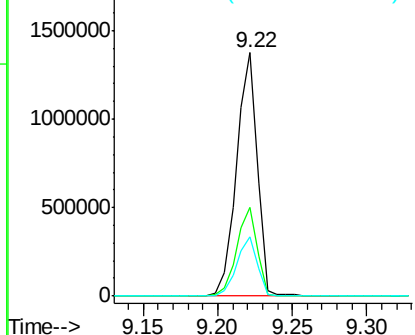


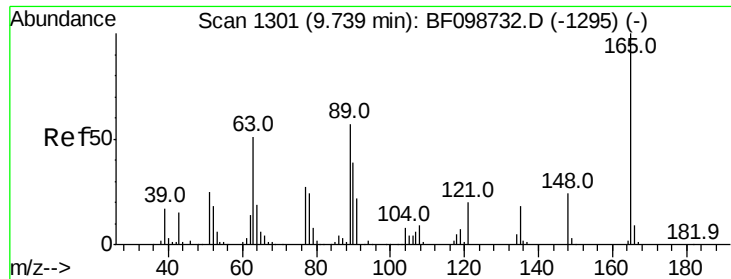
#44
 2-Fluorobiphenyl
 Concen: 85.226 ng
 RT: 9.22 min Scan# 1213
 Delta R.T. -0.01 min
 Lab File: BF099183.D
 Acq: 7 Oct 2017 8:26

Tgt Ion:172 Resp: 1346269
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.7 44.5
 170 24.2 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: 7.972 ng

RT: 9.90 min Scan# 1328

Delta R.T. 0.21 min

Lab File: BF099183.D

Acq: 7 Oct 2017 8:26

Instrument :

BNA_F

ClientSampleId :

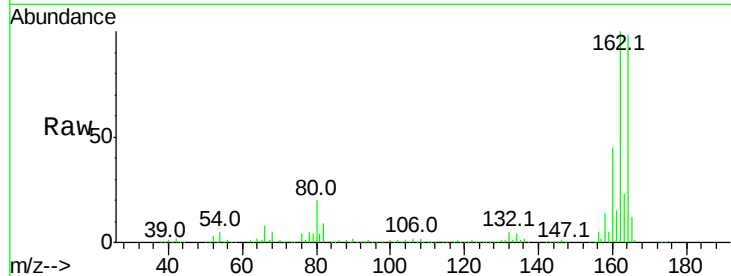
Tot Ion:165 Resp: 34543

Ion Ratio Lower Upper

165 100

63 1.2 44.7 67.1#

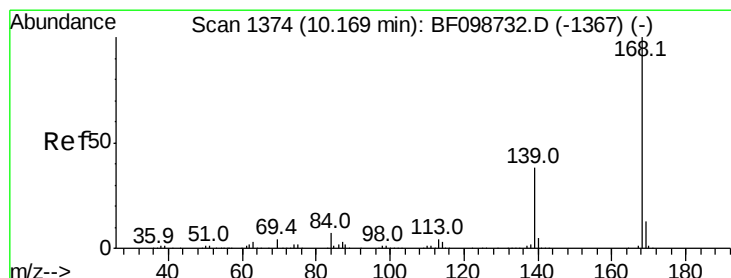
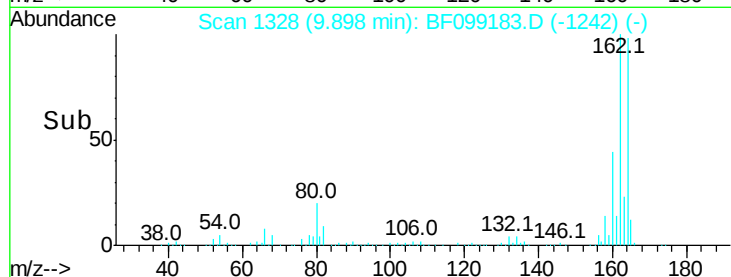
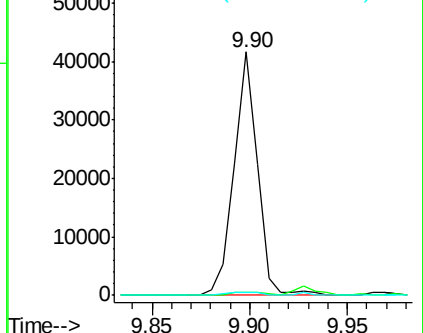
89 1.4 44.0 66.0#



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



#54

Dibenzofuran

Concen: 2.160 ng

RT: 10.10 min Scan# 1363

Delta R.T. -0.01 min

Lab File: BF099183.D

Acq: 7 Oct 2017 8:26

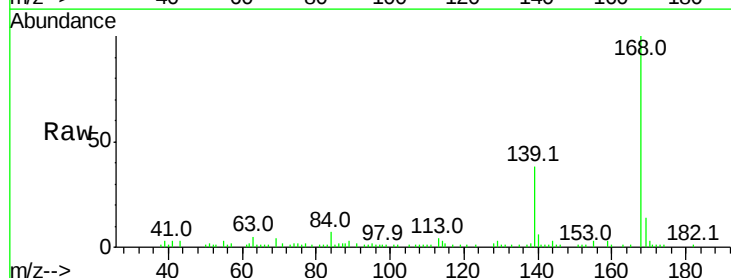
Tgt Ion:168 Resp: 47461

Ion Ratio Lower Upper

168 100

139 37.6 30.1 45.1

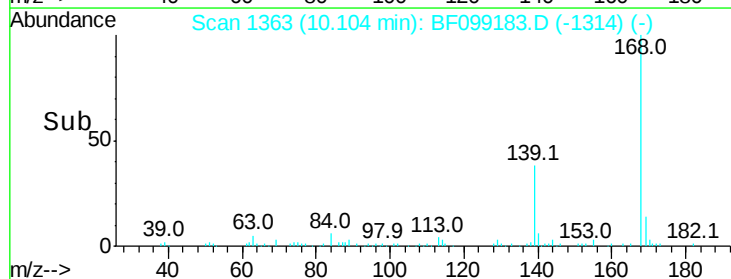
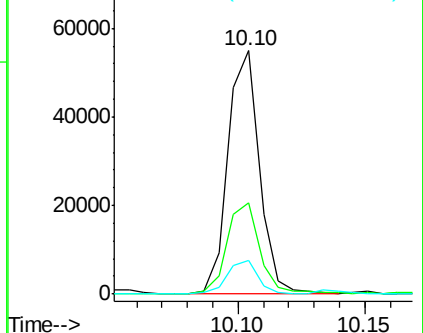
169 13.6 10.9 16.3

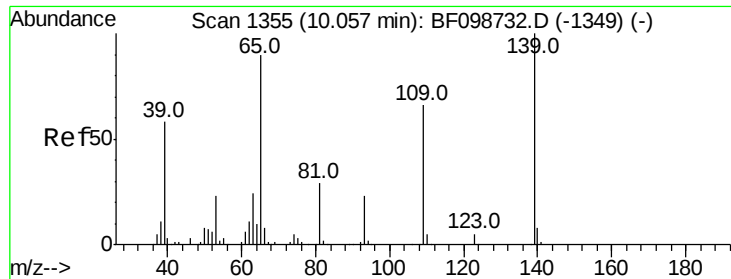


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

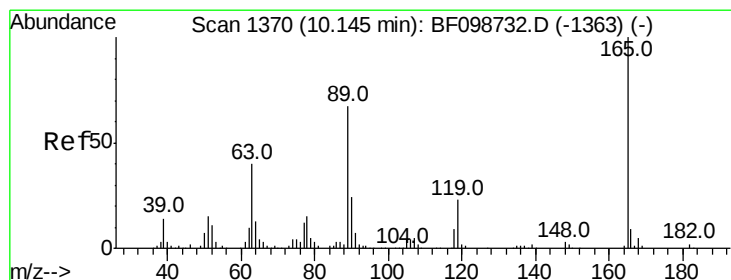
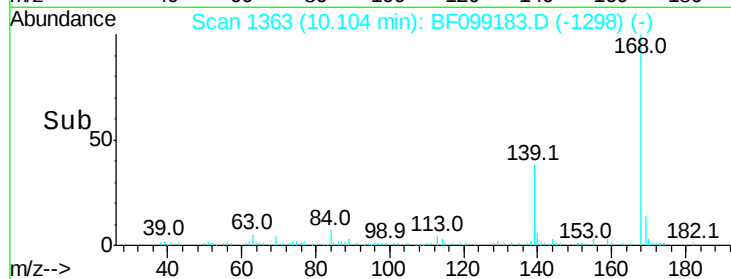
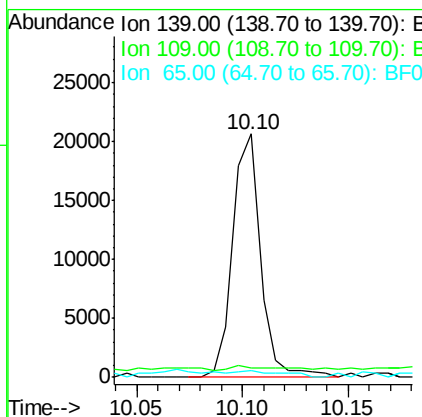
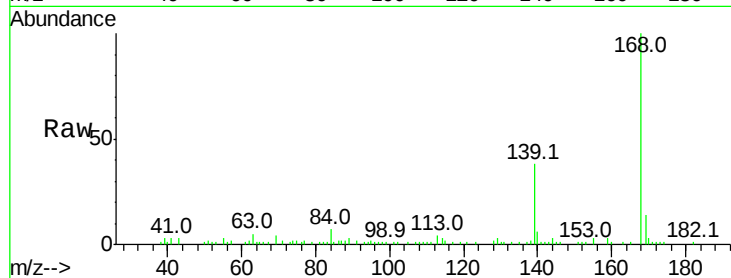




#55
4-Nitrophenol
Concen: 4.411 ng
RT: 10.10 min Scan# 1363
Delta R.T. 0.08 min
Lab File: BF099183.D
Acq: 7 Oct 2017 8:26

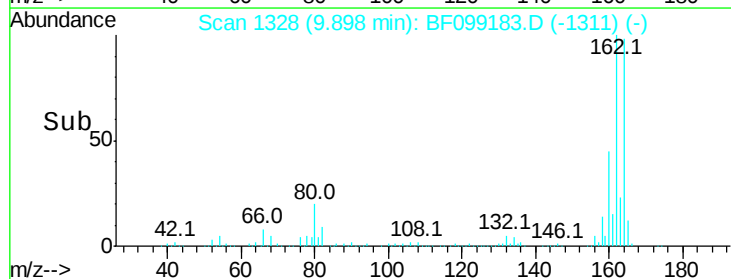
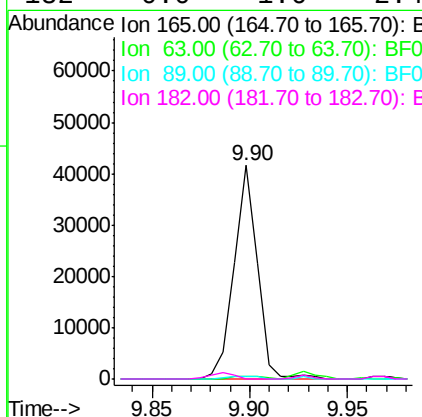
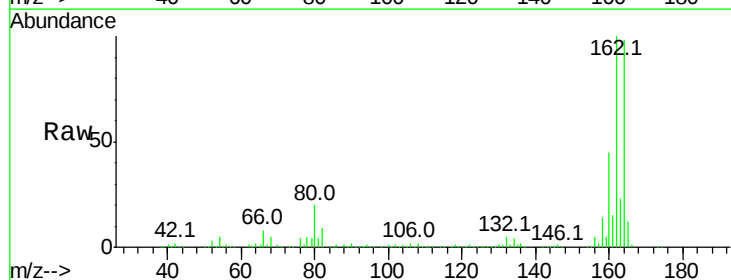
Instrument :
BNA_F
ClientSampleId :

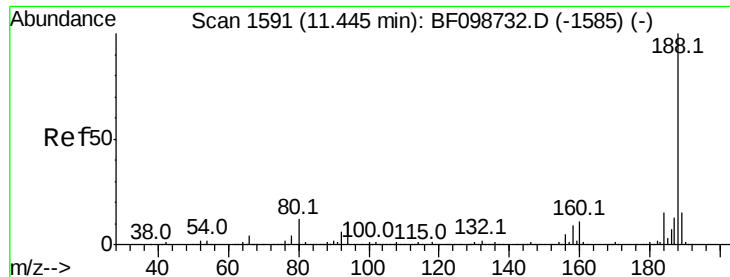
Tot Ion:139 Resp: 18843
Ion Ratio Lower Upper
139 100
109 4.0 48.4 88.4#
65 2.6 72.6 112.6#



#56
2,4-Dinitrotoluene
Concen: 6.143 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.20 min
Lab File: BF099183.D
Acq: 7 Oct 2017 8:26

Tgt Ion:165 Resp: 34543
Ion Ratio Lower Upper
165 100
63 1.2 36.4 54.6#
89 1.4 57.8 86.6#
182 0.0 1.6 2.4#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF099183.D

Acq: 7 Oct 2017 8:26

Instrument :

BNA_F

ClientSampleId :

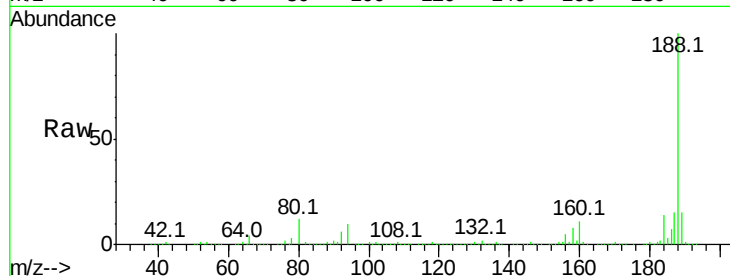
Tot Ion:188 Resp: 409540

Ion Ratio Lower Upper

188 100

94 10.4 8.5 12.7

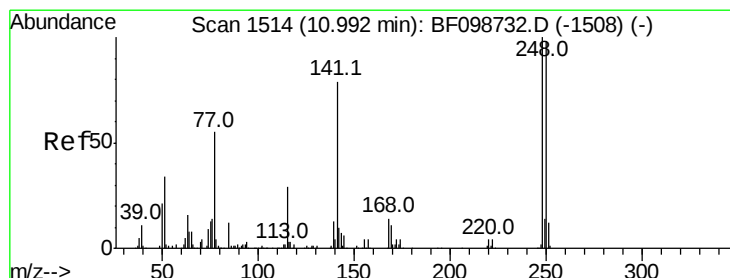
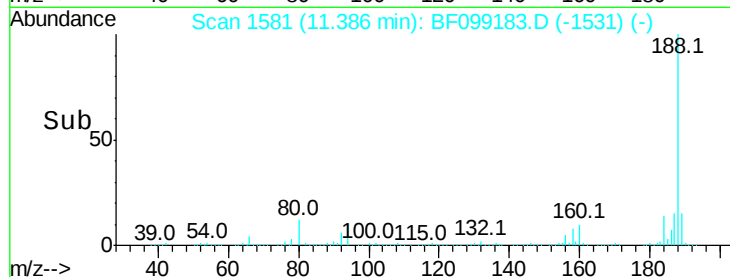
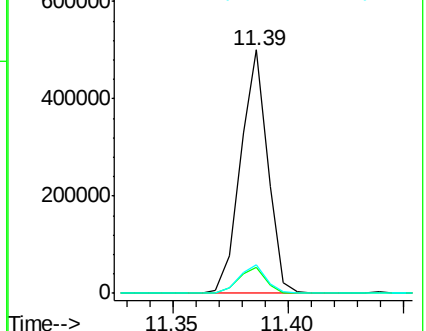
80 11.8 9.2 13.8



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: 3.989 ng

RT: 10.69 min Scan# 1463

Delta R.T. -0.24 min

Lab File: BF099183.D

Acq: 7 Oct 2017 8:26

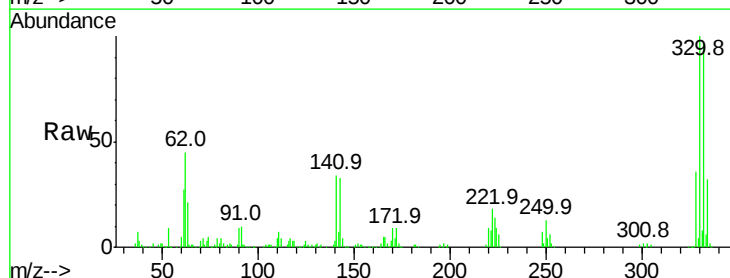
Tgt Ion:248 Resp: 15989

Ion Ratio Lower Upper

248 100

250 195.2 76.9 115.3#

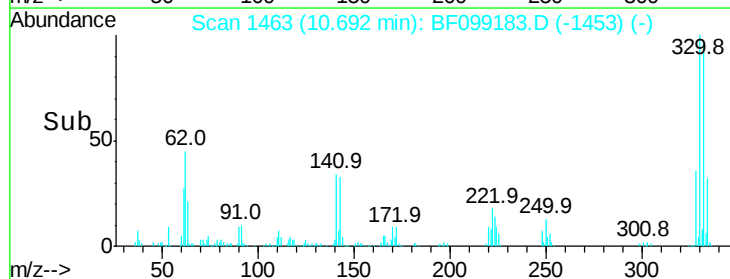
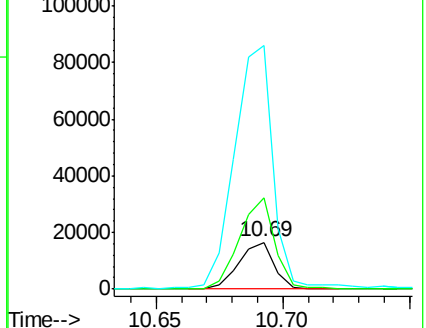
141 517.9 74.4 111.6#

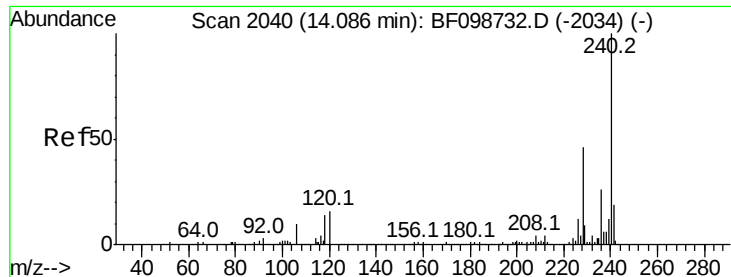


Abundance Ion 248.00 (247.70 to 248.70): E

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: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF099183.D

Acq: 7 Oct 2017 8:26

Instrument :

BNA_F

ClientSampleId :

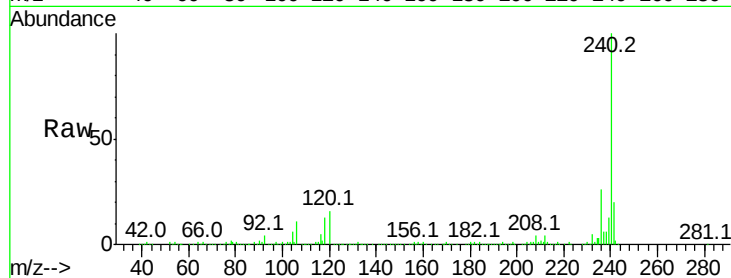
Tot Ion:240 Resp: 225247

Ion Ratio Lower Upper

240 100

120 16.2 9.5 14.3#

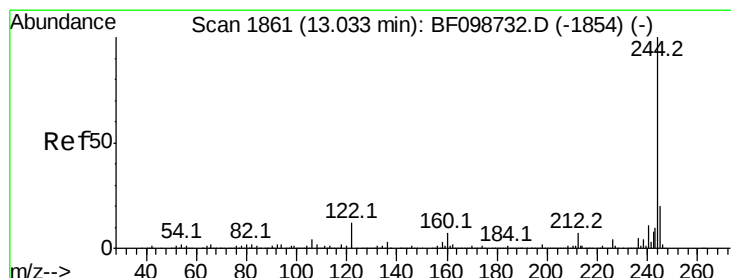
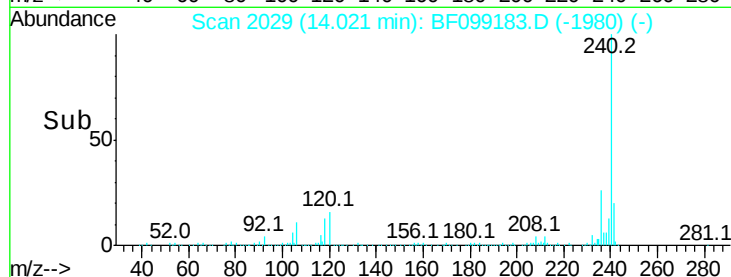
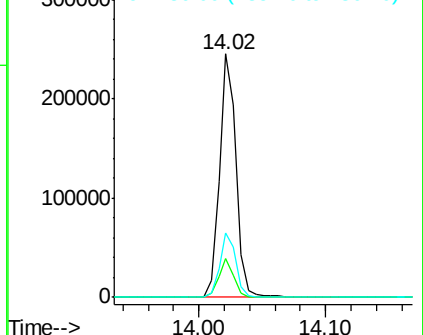
236 26.3 20.7 31.1



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: 90.552 ng

RT: 12.97 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BF099183.D

Acq: 7 Oct 2017 8:26

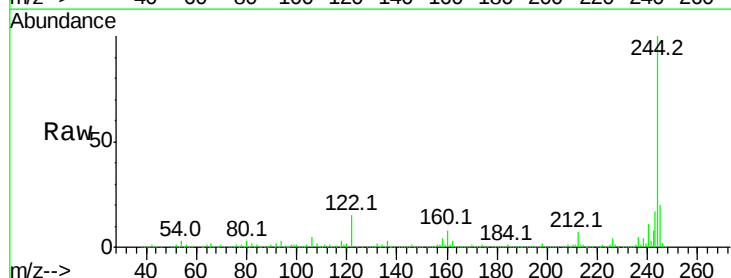
Tgt Ion:244 Resp: 896866

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

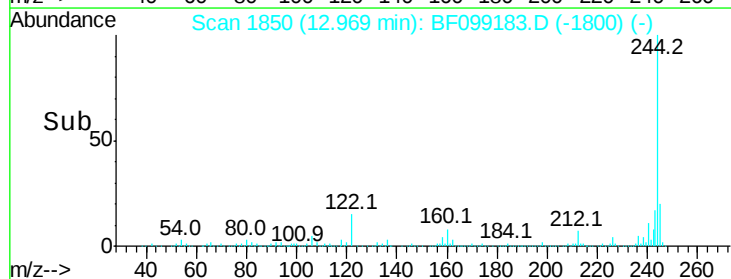
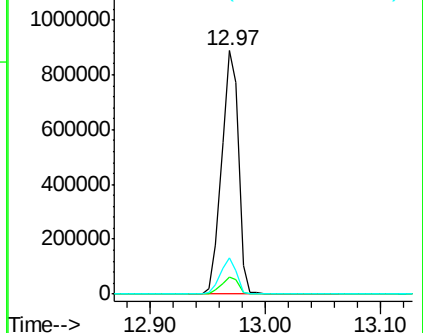
122 14.7 11.0 16.4

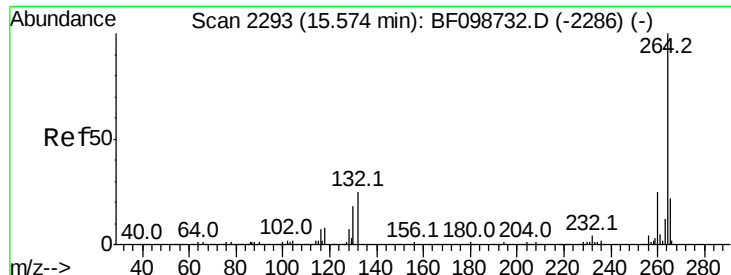


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

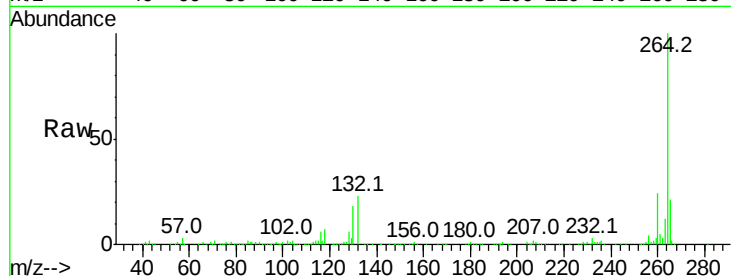




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.50 min Scan# 2280
Delta R.T. -0.01 min
Lab File: BF099183.D
Acq: 7 Oct 2017 8:26

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 252517
Ion Ratio Lower Upper
264 100
260 24.0 19.2 28.8
265 20.7 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

