

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101617\
 Data File : BF099539.D
 Acq On : 16 Oct 2017 12:49
 Operator : SJ/JU
 Sample : I5776-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 16 23:23:58 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 11 16:25:21 2017
 Response via : Initial Calibration

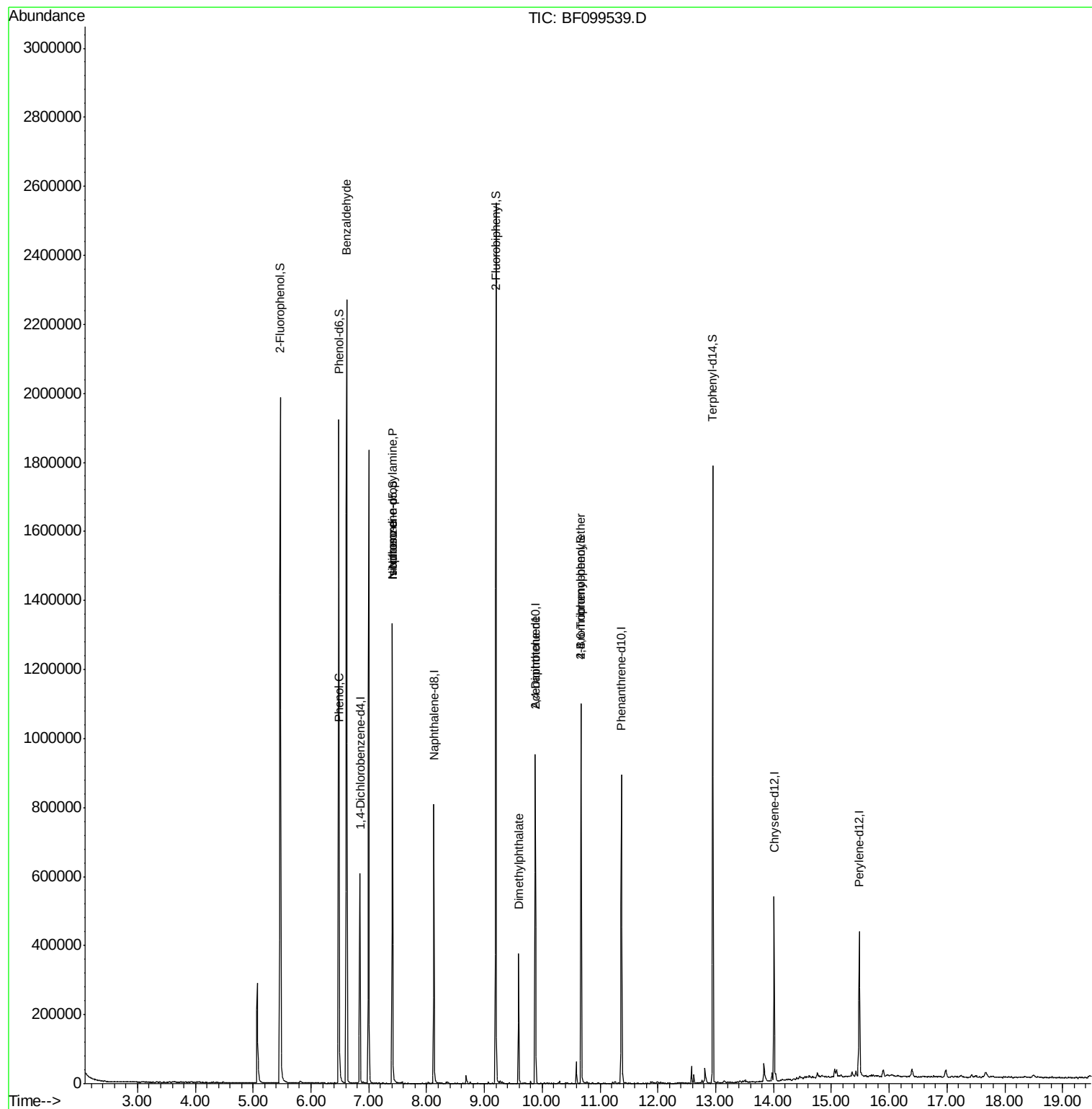
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	98364	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	407075	20.00	ng	0.00
38) Acenaphthene-d10	9.88	164	174070	20.00	ng	-0.01
63) Phenanthrene-d10	11.37	188	286412	20.00	ng	0.00
75) Chrysene-d12	14.01	240	173236	20.00	ng	0.00
86) Perylene-d12	15.49	264	183219	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	613656	99.31	ng	0.00
7) Phenol-d6	6.48	99	728467	95.57	ng	0.00
23) Nitrobenzene-d5	7.41	82	432113	68.07	ng	-0.01
41) 2,4,6-Tribromophenol	10.67	330	127200	89.30	ng	0.00
44) 2-Fluorobiphenyl	9.20	172	776855	74.50	ng	-0.01
78) Terphenyl-d14	12.95	244	522698	68.62	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.62	77	11875	2.69	ng	89
10) Phenol	6.49	94	36250	4.25	ng	97
19) n-Nitroso-di-n-propylamine	7.41	70	54666	11.23	ng	# 72
25) Isophorone	7.41	82	432108	32.93	ng	# 64
49) Dimethylphthalate	9.59	163	143692	10.94	ng	100
56) 2,4-Dinitrotoluene	9.88	165	22060	5.94	ng	# 23
66) 4-Bromophenyl-phenylether	10.67	248	8549	3.05	ng	# 1

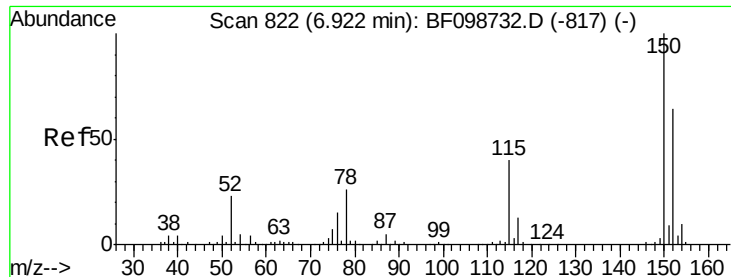
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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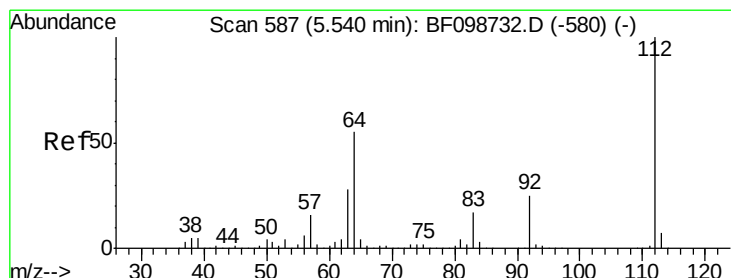
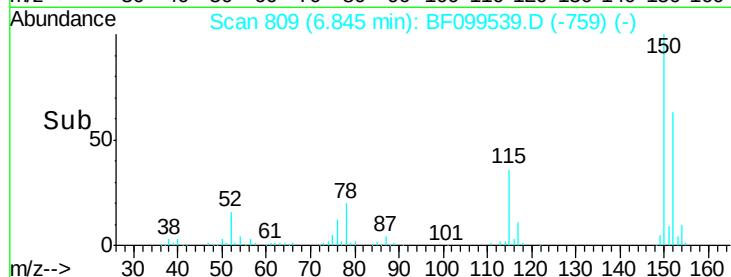
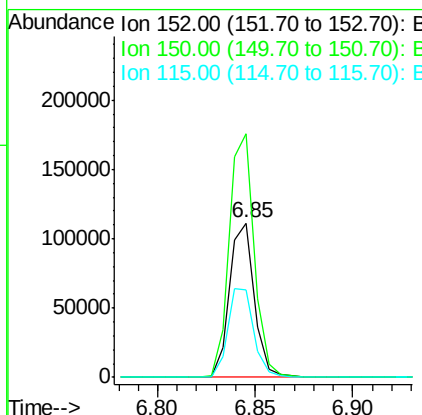
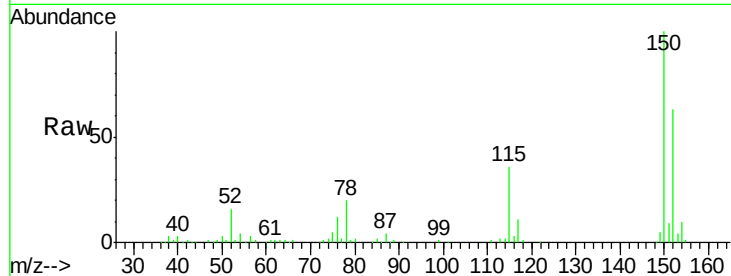


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF099539.D
Acq: 16 Oct 2017 12:49

Instrument :
BNA_F
ClientSampleId :

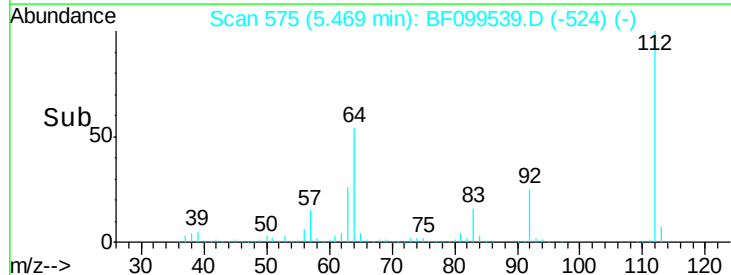
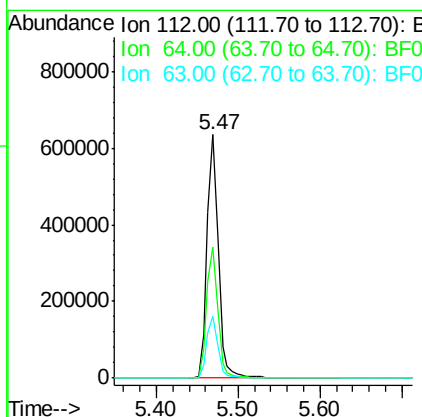
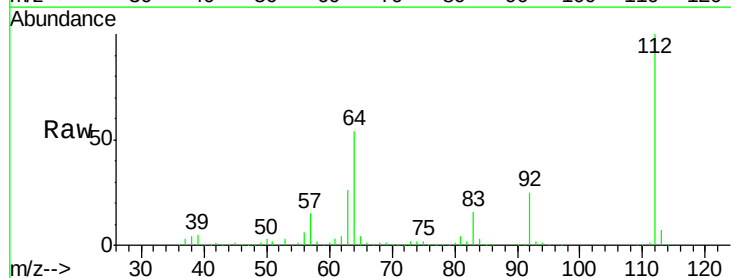
Tot Ion:152 Resp: 98364
Ion Ratio Lower Upper
152 100
150 157.9 124.6 186.8
115 57.0 50.1 75.1

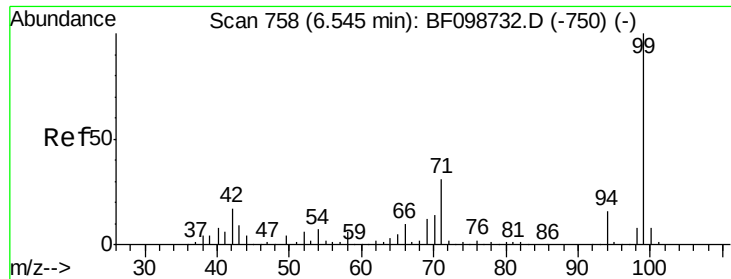


#5

2-Fluorophenol
Concen: 99.31 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.00 min
Lab File: BF099539.D
Acq: 16 Oct 2017 12:49

Tgt Ion:112 Resp: 613656
Ion Ratio Lower Upper
112 100
64 53.5 47.9 71.9
63 25.5 23.7 35.5





#7

Phenol-d6

Concen: 95.57 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF099539.D

Acq: 16 Oct 2017 12:49

Instrument :

BNA_F

ClientSampled :

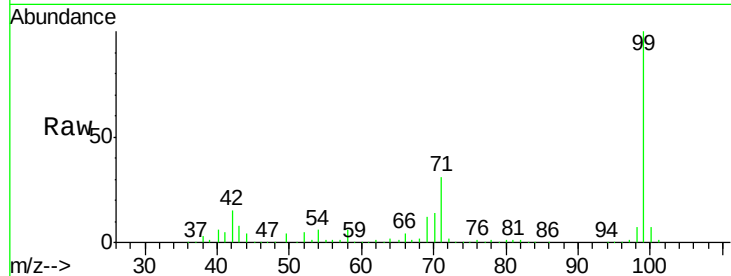
Tot Ion: 99 Resp: 728467

Ion Ratio Lower Upper

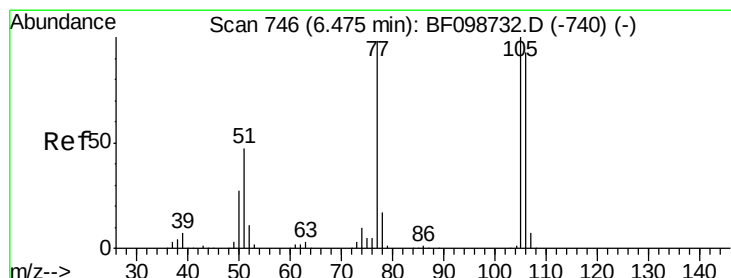
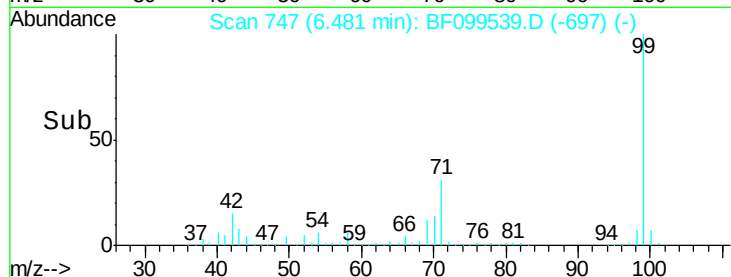
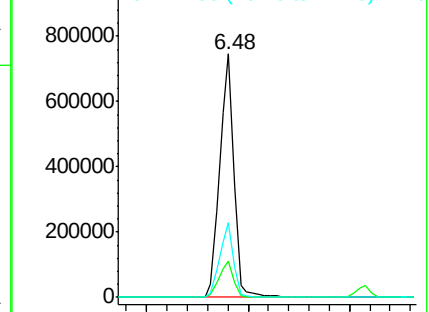
99 100

42 14.8 14.5 21.7

71 30.8 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: 2.69 ng

RT: 6.62 min Scan# 770

Delta R.T. 0.21 min

Lab File: BF099539.D

Acq: 16 Oct 2017 12:49

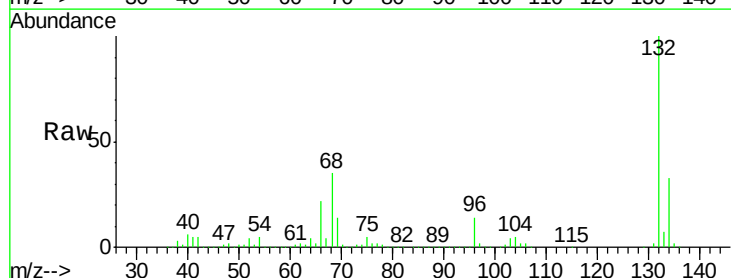
Tgt Ion: 77 Resp: 11875

Ion Ratio Lower Upper

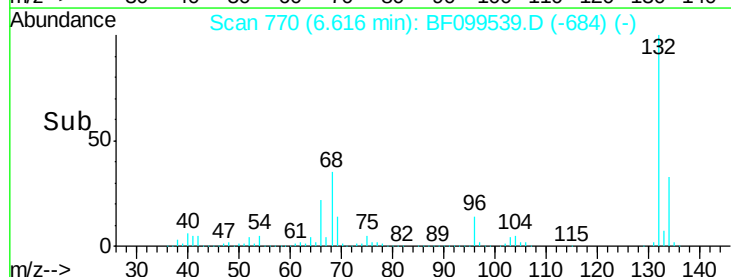
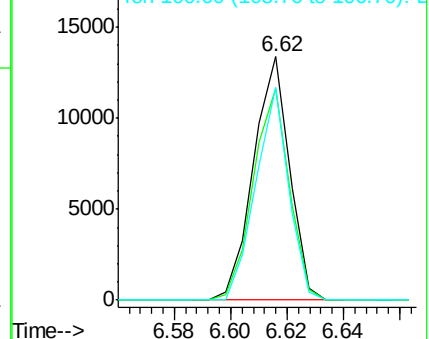
77 100

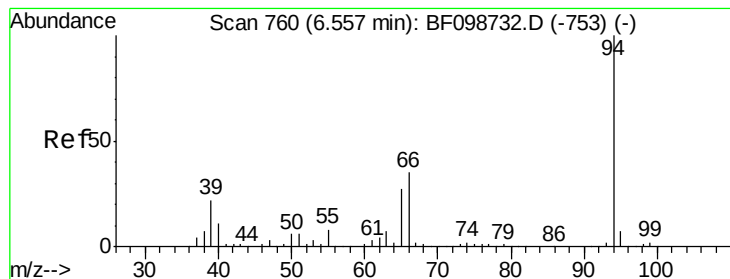
105 86.7 81.1 121.1

106 87.6 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





#10

Phenol

Concen: 4.25 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF099539.D

Acq: 16 Oct 2017 12:49

Instrument :

BNA_F

ClientSampleId :

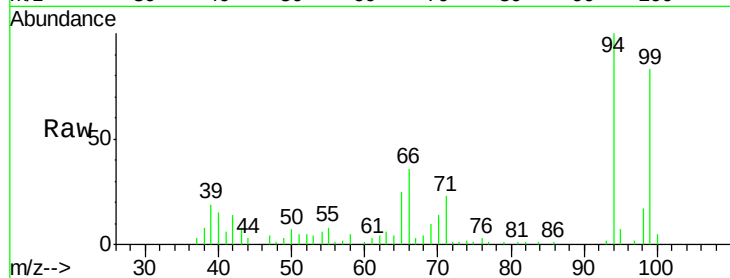
Tot Ion: 94 Resp: 36250

Ion Ratio Lower Upper

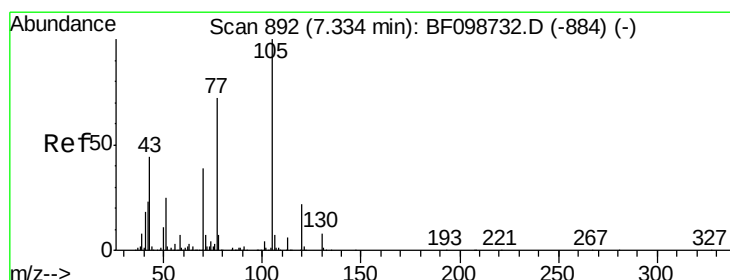
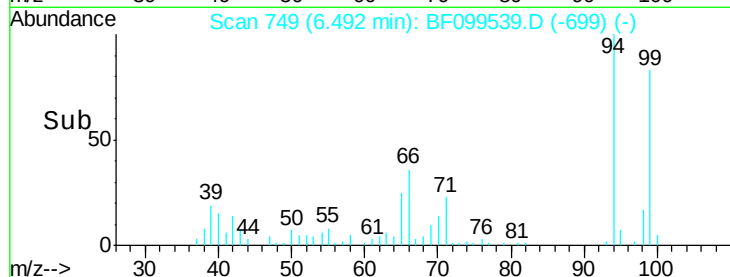
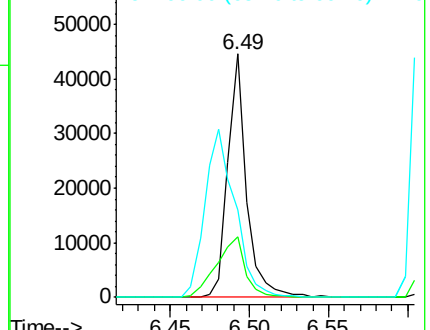
94 100

65 24.7 7.9 47.9

66 35.7 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: 11.23 ng

RT: 7.41 min Scan# 905

Delta R.T. 0.14 min

Lab File: BF099539.D

Acq: 16 Oct 2017 12:49

Tgt Ion: 70 Resp: 54666

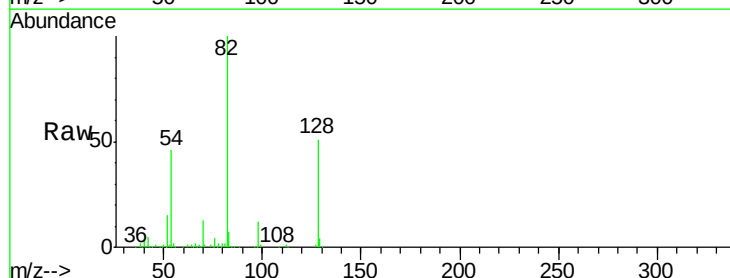
Ion Ratio Lower Upper

70 100

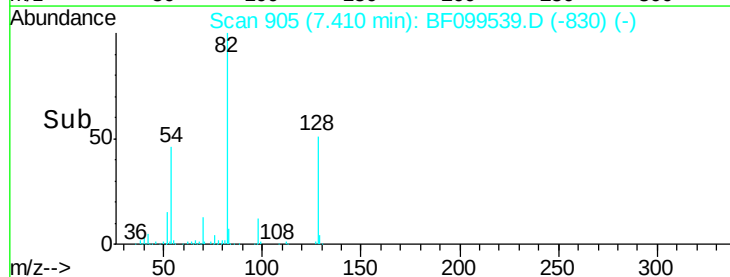
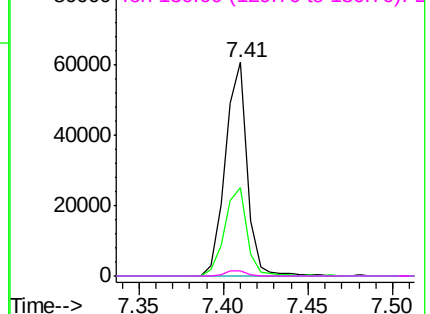
42 41.1 47.5 71.3#

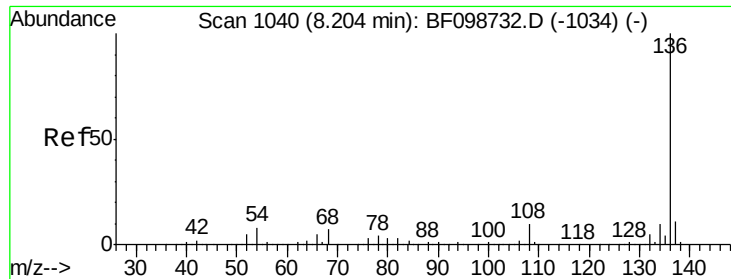
101 0.0 7.4 11.2#

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

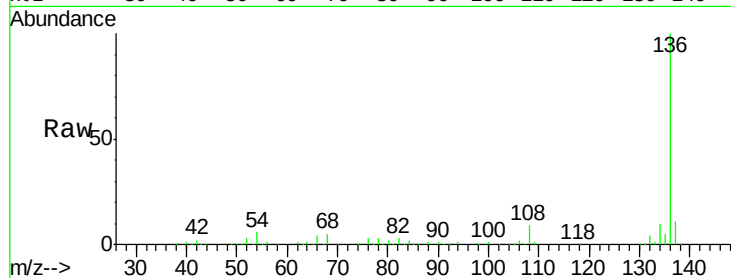




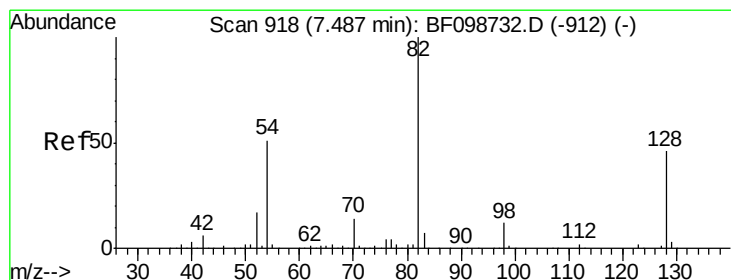
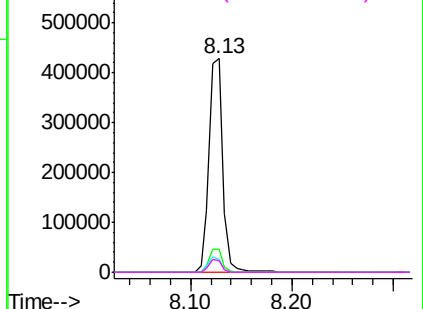
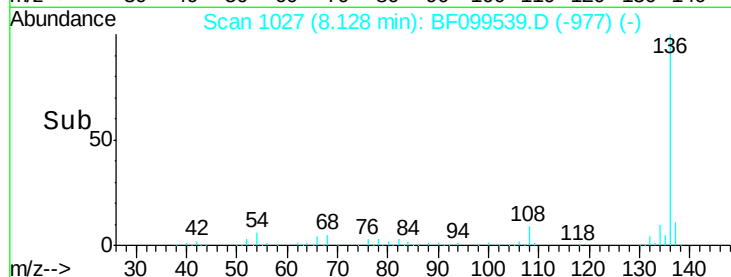
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF099539.D
Acq: 16 Oct 2017 12:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	407075
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.9 13.3
54	6.2	6.6 9.8#
68	5.3	5.0 7.4

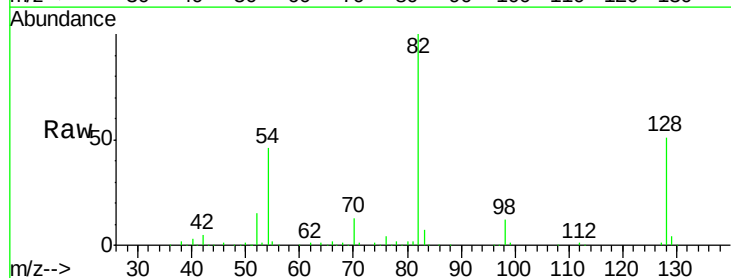


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

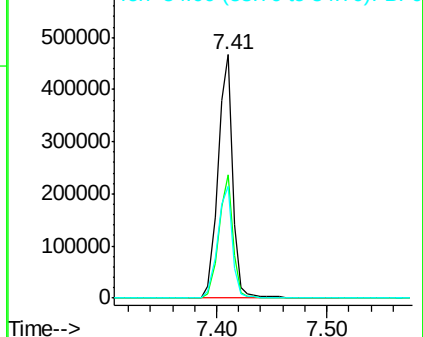
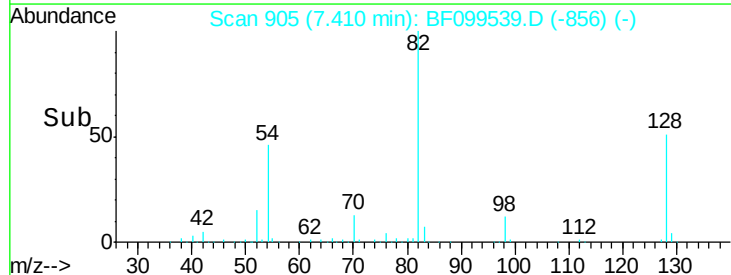


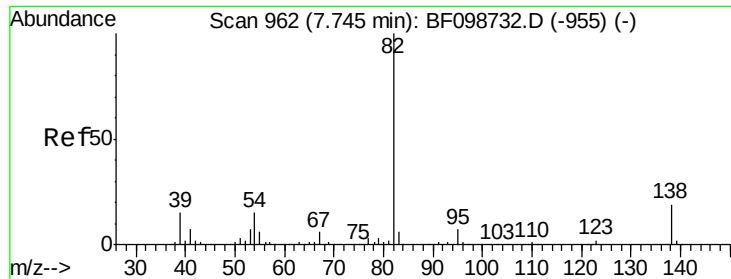
#23
Nitrobenzene-d5
Concen: 68.07 ng
RT: 7.41 min Scan# 905
Delta R.T. -0.01 min
Lab File: BF099539.D
Acq: 16 Oct 2017 12:49

Tgt Ion: 82	Resp:	432113
Ion Ratio	Lower	Upper
82	100	
128	50.8	36.1 54.1
54	46.0	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: 32.93 ng

RT: 7.41 min Scan# 905

Delta R.T. -0.26 min

Lab File: BF099539.D

Acq: 16 Oct 2017 12:49

Instrument :

BNA_F

ClientSampleId :

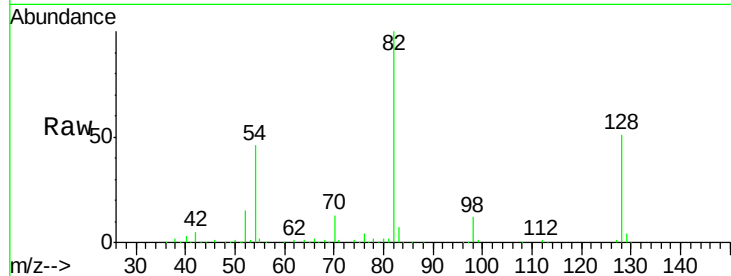
Tot Ion: 82 Resp: 432108

Ion Ratio Lower Upper

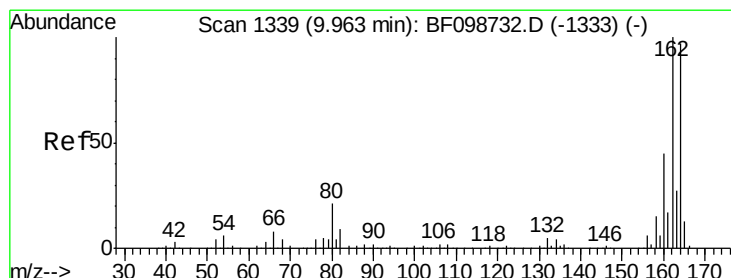
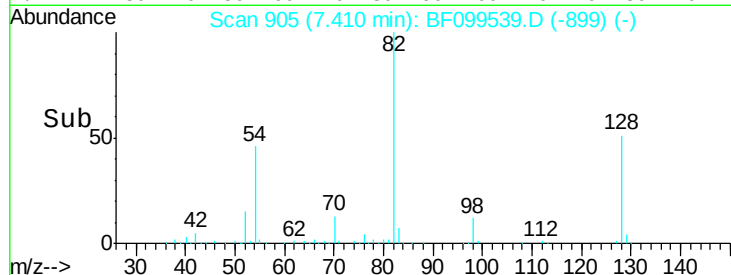
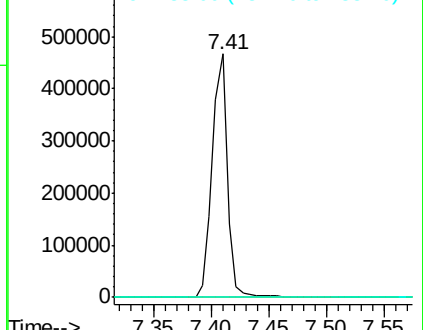
82 100

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: 20.00 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF099539.D

Acq: 16 Oct 2017 12:49

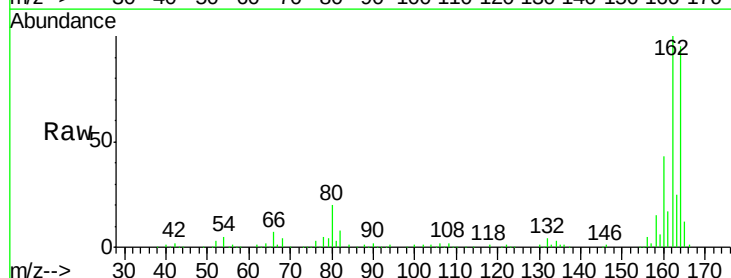
Tgt Ion: 164 Resp: 174070

Ion Ratio Lower Upper

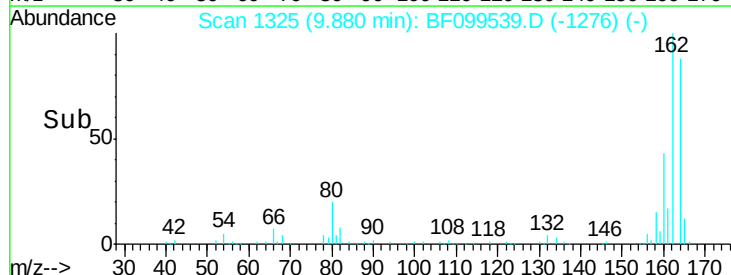
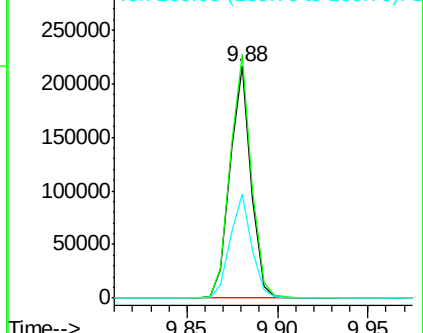
164 100

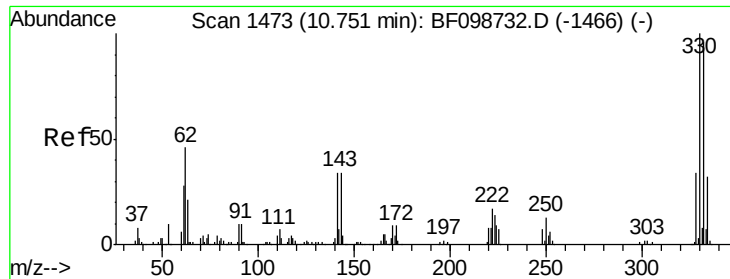
162 105.1 86.1 129.1

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

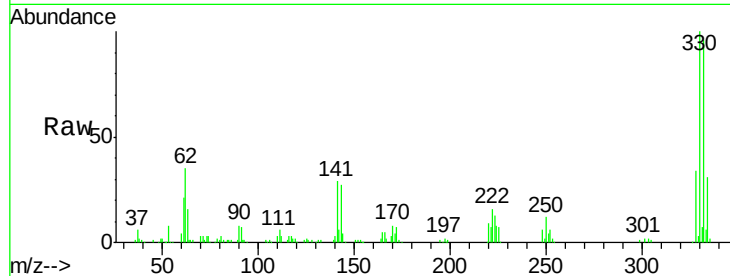




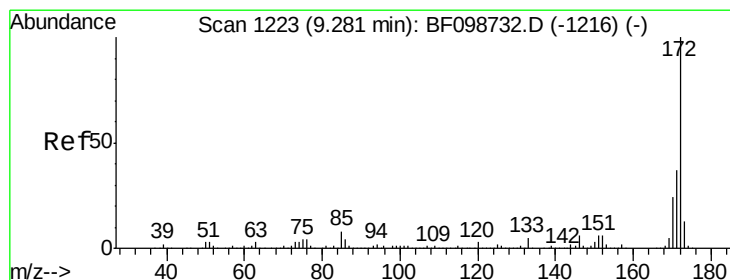
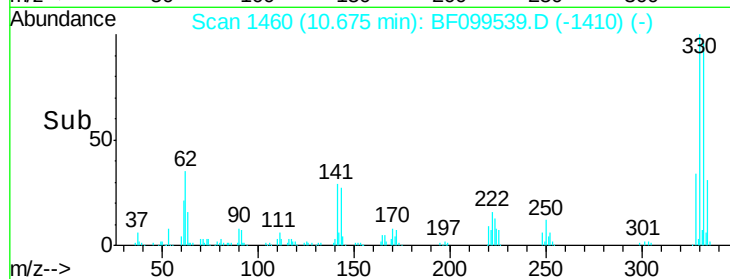
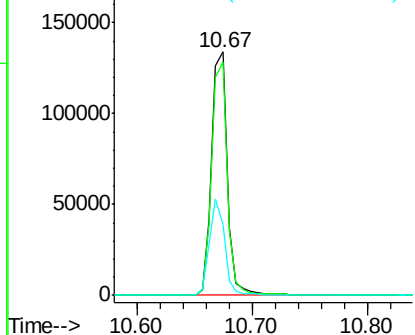
#41
 2,4,6-Tribromophenol
 Concen: 89.30 ng
 RT: 10.67 min Scan# 1460
 Delta R.T. -0.01 min
 Lab File: BF099539.D
 Acq: 16 Oct 2017 12:49

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	77.0	115.6
141	38.0	29.9	44.9

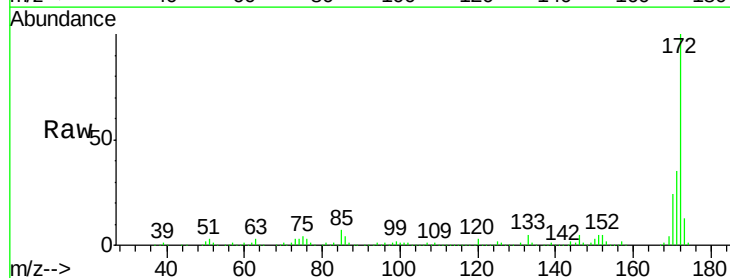


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

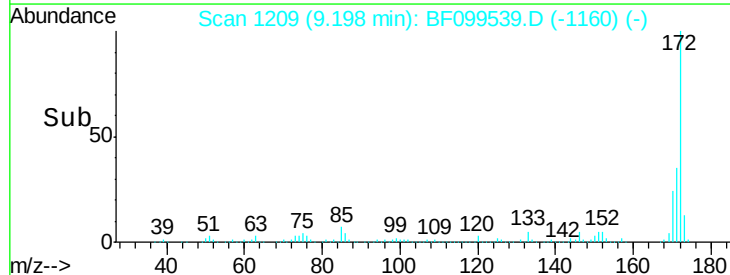
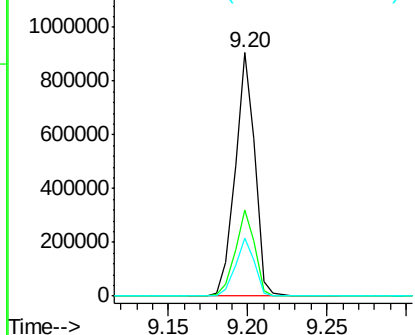


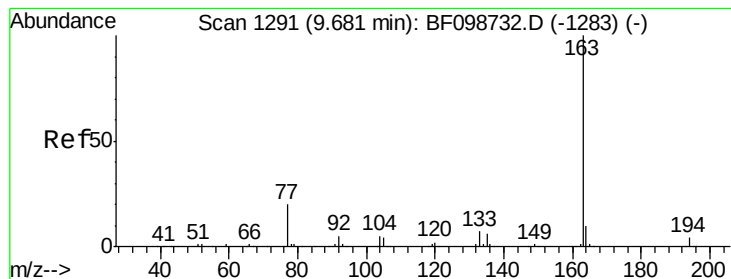
#44
 2-Fluorobiphenyl
 Concen: 74.50 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF099539.D
 Acq: 16 Oct 2017 12:49

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	29.7	44.5
170	23.8	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





#49

Dimethylphthalate

Concen: 10.94 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF099539.D

Acq: 16 Oct 2017 12:49

Instrument :

BNA_F

ClientSampleId :

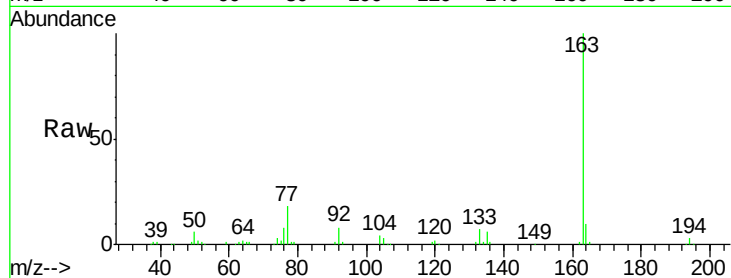
Tot Ion:163 Resp: 143692

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

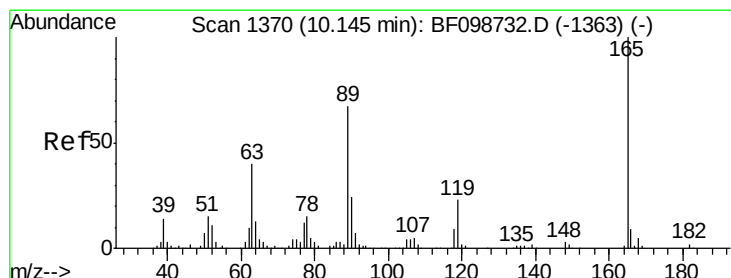
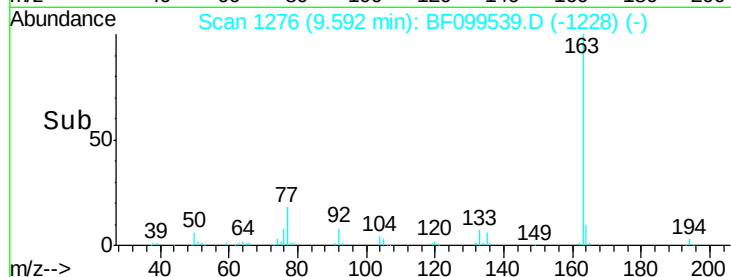
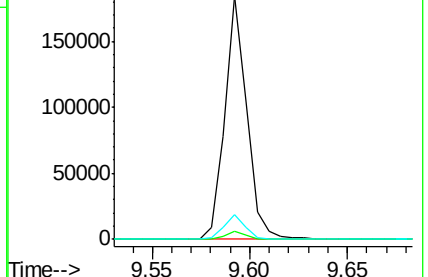
164 10.2 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 5.94 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.21 min

Lab File: BF099539.D

Acq: 16 Oct 2017 12:49

Tgt Ion:165 Resp: 22060

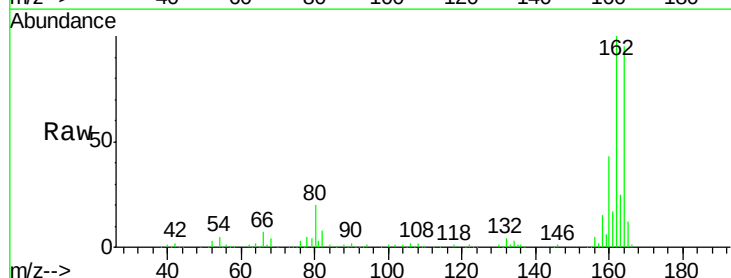
Ion Ratio Lower Upper

165 100

63 1.1 36.4 54.6#

89 1.4 57.8 86.6#

182 0.0 1.6 2.4#

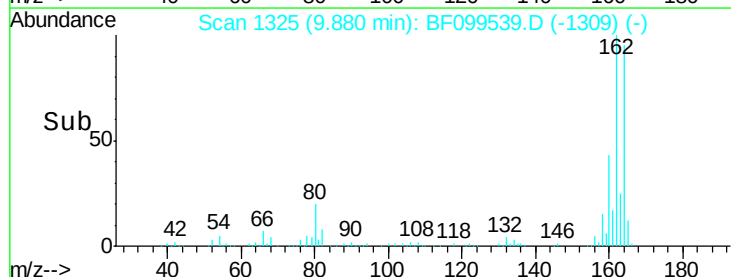
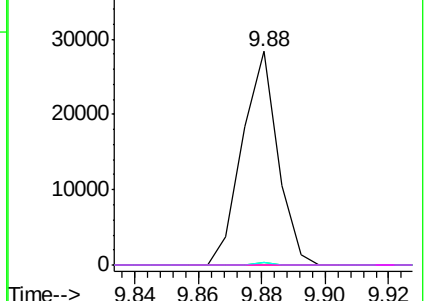


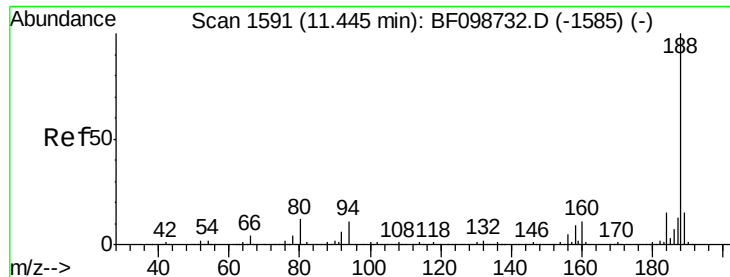
Abundance Ion 165.00 (164.70 to 165.70): E

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

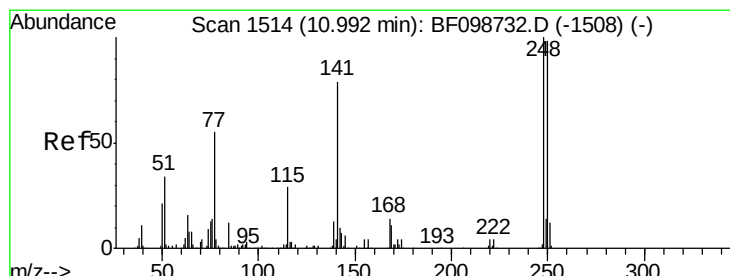
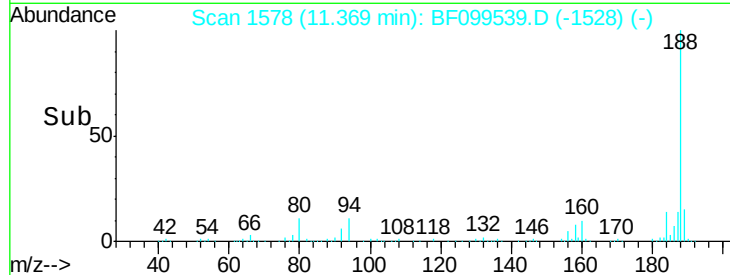
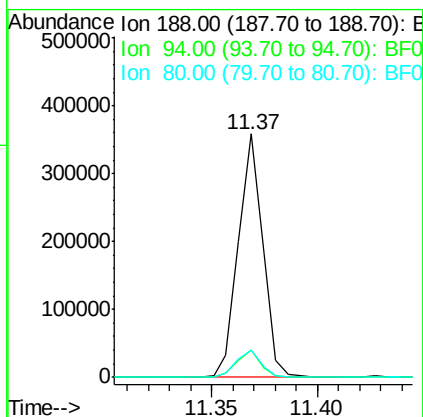
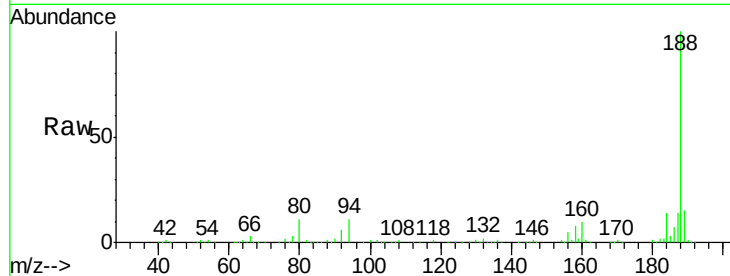




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.37 min Scan# 1578
 Delta R.T. -0.01 min
 Lab File: BF099539.D
 Acq: 16 Oct 2017 12:49

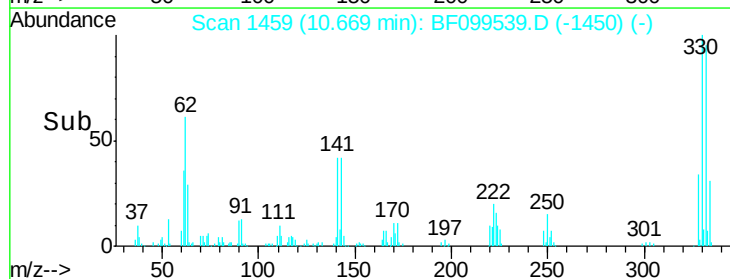
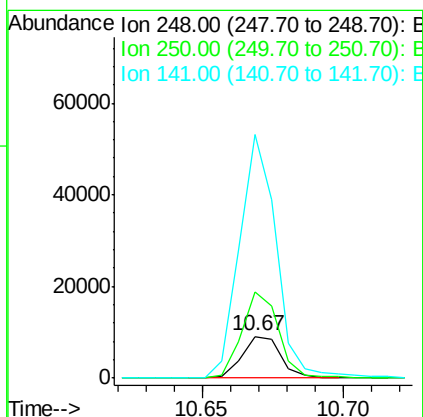
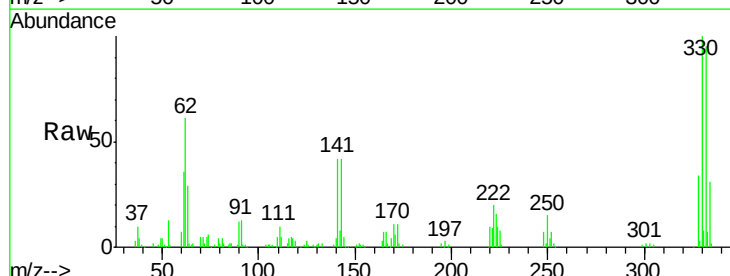
Instrument :
 BNA_F
 ClientSampled :

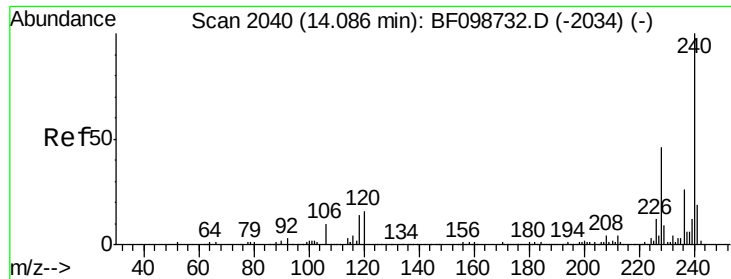
Tot Ion:188 Resp: 286412
 Ion Ratio Lower Upper
 188 100
 94 11.0 8.5 12.7
 80 11.3 9.2 13.8



#66
 4-Bromophenyl-phenylether
 Concen: 3.05 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.25 min
 Lab File: BF099539.D
 Acq: 16 Oct 2017 12:49

Tgt Ion:248 Resp: 8549
 Ion Ratio Lower Upper
 248 100
 250 204.9 76.9 115.3#
 141 580.1 74.4 111.6#

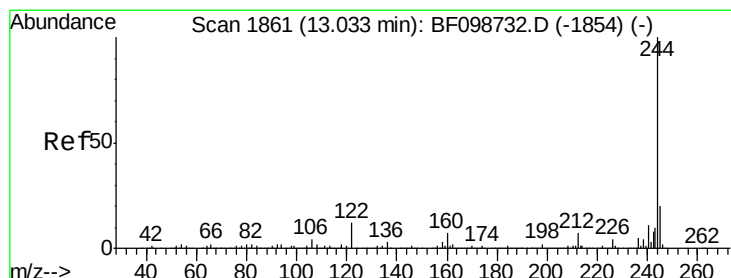
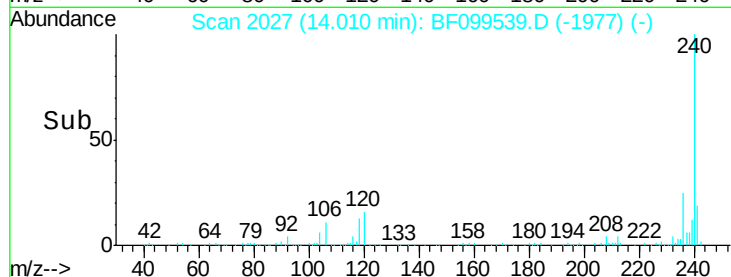
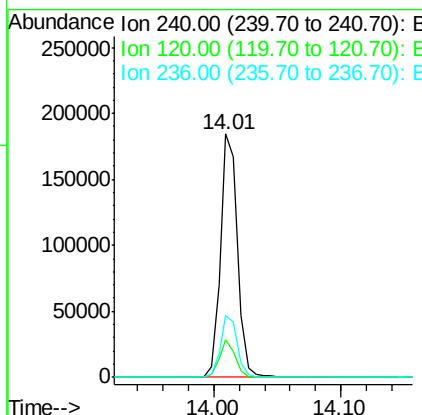
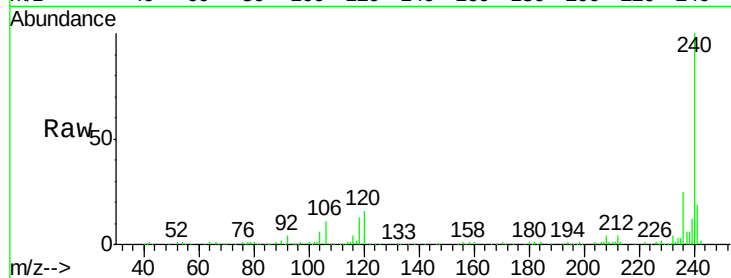




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.01 min Scan# 2027
 Delta R.T. -0.01 min
 Lab File: BF099539.D
 Acq: 16 Oct 2017 12:49

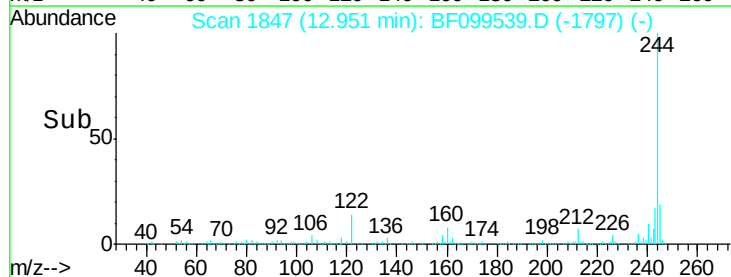
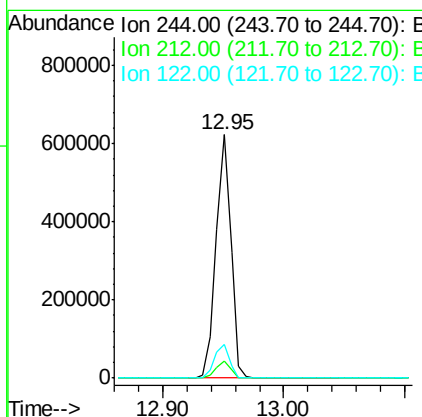
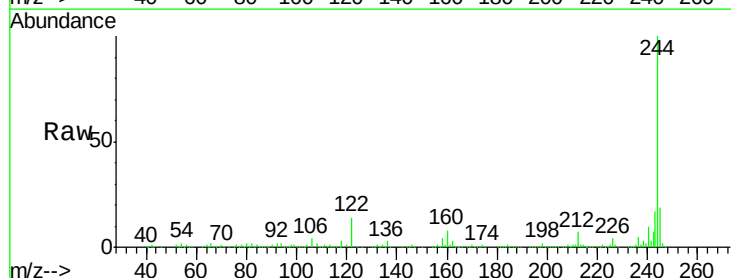
Instrument :
 BNA_F
 ClientSampleId :

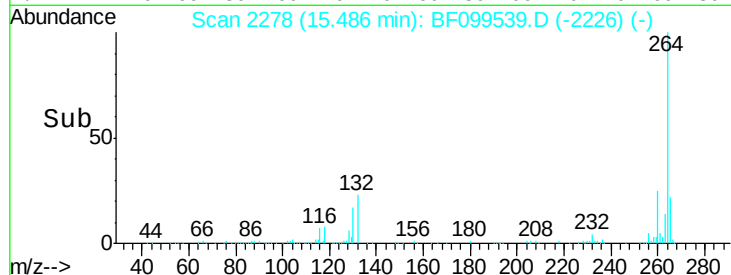
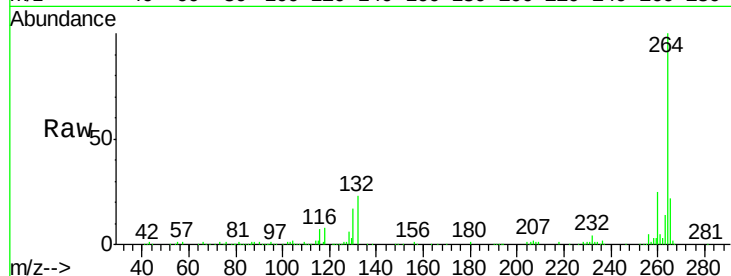
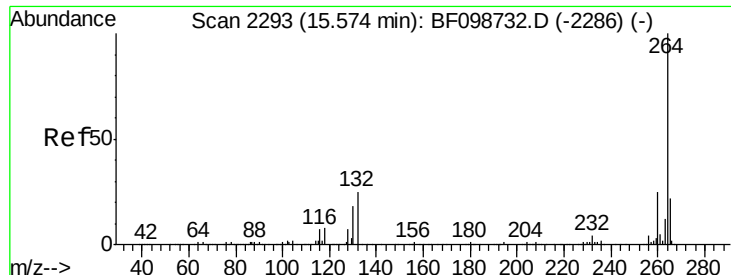
Tot Ion:240 Resp: 173236
 Ion Ratio Lower Upper
 240 100
 120 15.6 9.5 14.3#
 236 25.4 20.7 31.1



#78
 Terphenyl-d14
 Concen: 68.62 ng
 RT: 12.95 min Scan# 1847
 Delta R.T. -0.01 min
 Lab File: BF099539.D
 Acq: 16 Oct 2017 12:49

Tgt Ion:244 Resp: 522698
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 13.9 11.0 16.4





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.49 min Scan# 2278
Delta R.T. 0.01 min
Lab File: BF099539.D
Acq: 16 Oct 2017 12:49

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	264	Resp:	183219
Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.2	28.8
265	21.7	17.5	26.3

