

Data Path : Z:\HPCHEM1\BNA F\DATA\BF102717\
 Data File : BF099891.D
 Acq On : 27 Oct 2017 22:46
 Operator : SJ/JU
 Sample : I6029-06
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 27 23:52:02 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF102317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 27 15:58:57 2017
 Response via : Initial Calibration

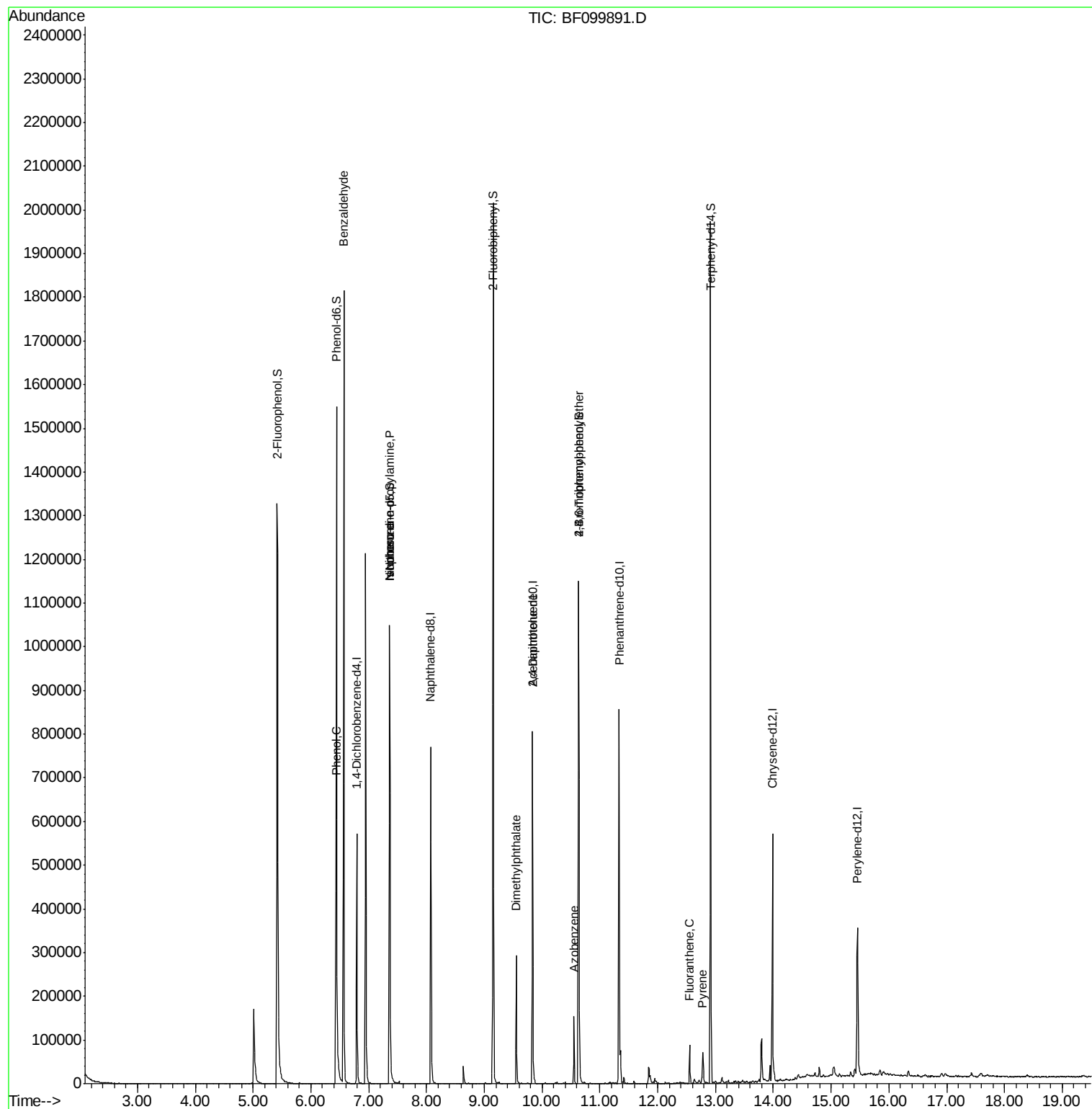
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	88125	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	373081	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	175382	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	320751	20.00	ng	0.00
75) Chrysene-d12	13.99	240	201578	20.00	ng	0.00
86) Perylene-d12	15.46	264	162893	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	527450	93.97	ng	0.00
7) Phenol-d6	6.44	99	627036	94.21	ng	0.00
23) Nitrobenzene-d5	7.36	82	357685	61.72	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	144276	90.27	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	726080	63.87	ng	0.00
78) Terphenyl-d14	12.92	244	660044	71.56	ng	0.00
Target Compounds						
9) Benzaldehyde	6.57	77	9237	2.32	ng	Qvalue 92
10) Phenol	6.45	94	35280	4.83	ng	94
19) n-Nitroso-di-n-propylamine	7.36	70	43356	11.12	ng	# 72
25) Isophorone	7.36	82	357685	34.02	ng	# 64
49) Dimethylphthalate	9.55	163	134973	9.72	ng	99
56) 2,4-Dinitrotoluene	9.83	165	22860	6.50	ng	# 21
62) Azobenzene	10.55	77	25197	2.22	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	9509	2.82	ng	# 1
74) Fluoranthene	12.55	202	38576	2.05	ng	100
77) Pyrene	12.79	202	33502	2.19	ng	95

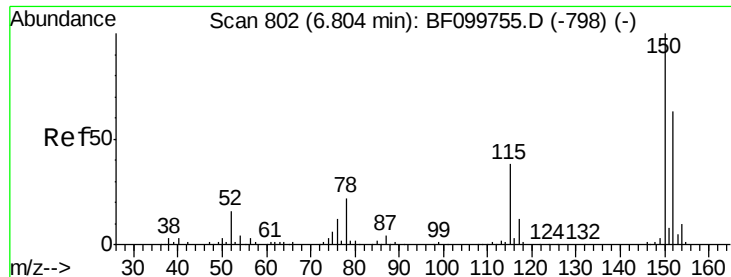
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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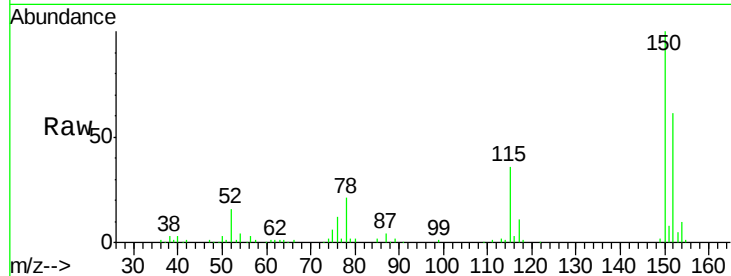


#1

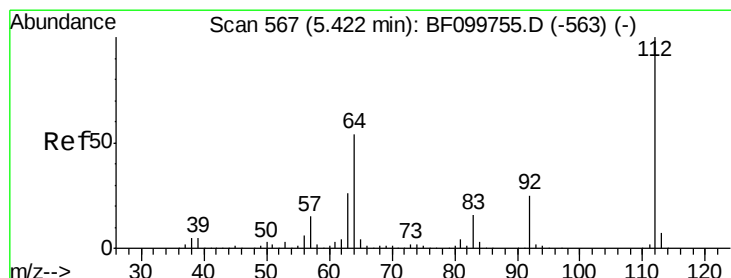
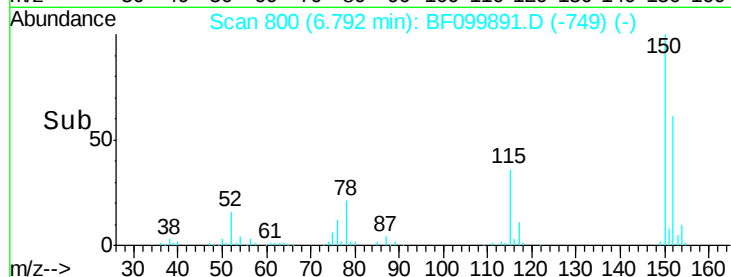
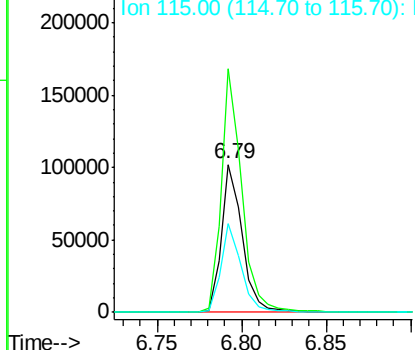
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.79 min Scan# 800
Delta R.T. -0.00 min
Lab File: BF099891.D
Acq: 27 Oct 2017 22:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 88125
Ion Ratio Lower Upper
152 100
150 164.6 124.6 186.8
115 60.0 50.1 75.1



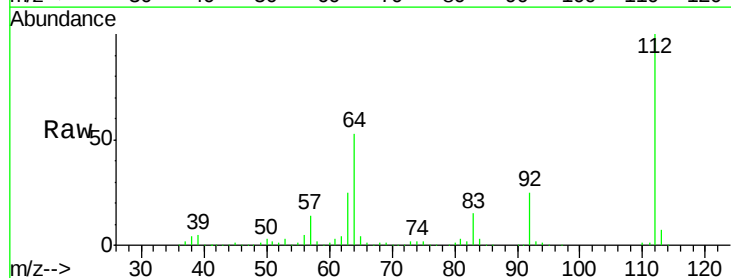
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



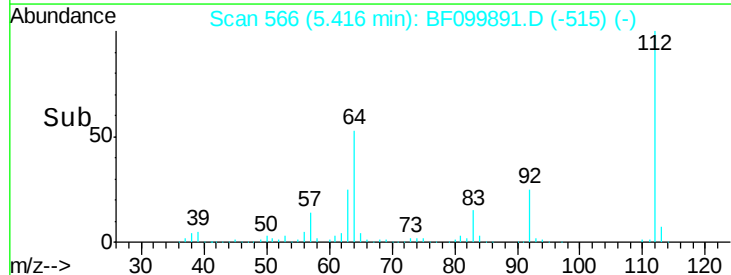
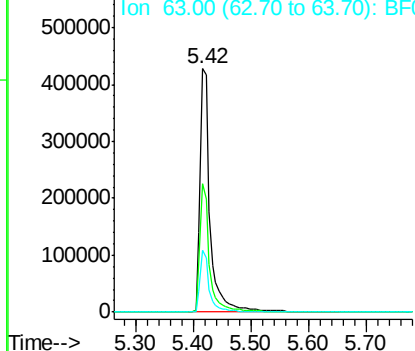
#5

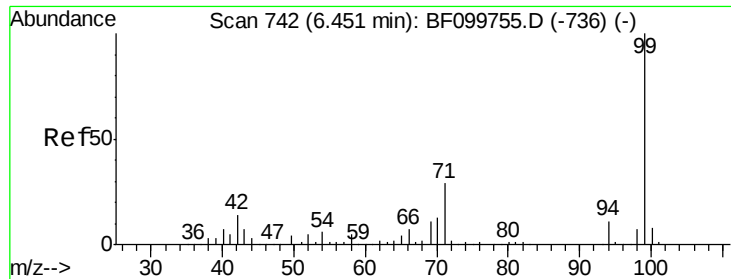
2-Fluorophenol
Concen: 93.97 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF099891.D
Acq: 27 Oct 2017 22:46

Tgt Ion:112 Resp: 527450
Ion Ratio Lower Upper
112 100
64 52.9 47.9 71.9
63 25.5 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: 94.21 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF099891.D

Acq: 27 Oct 2017 22:46

Instrument :

BNA_F

ClientSampleId :

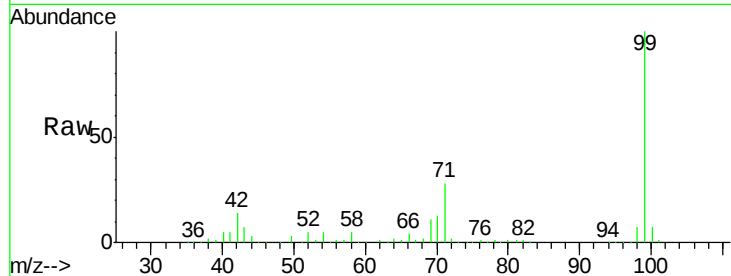
Tot Ion: 99 Resp: 627036

Ion Ratio Lower Upper

99 100

42 13.7 14.5 21.7#

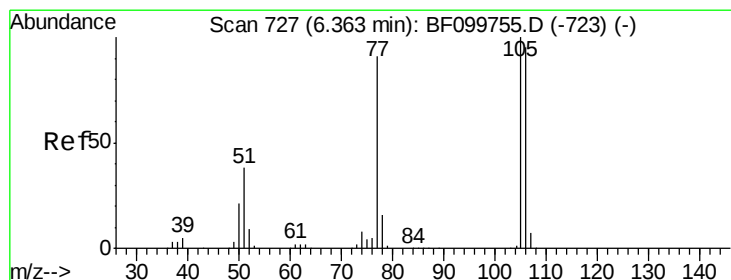
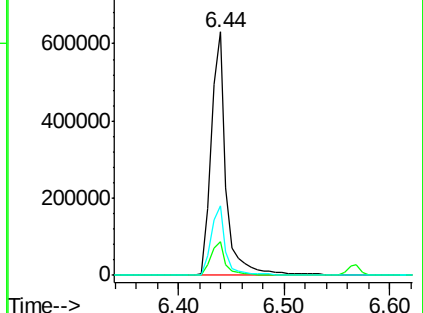
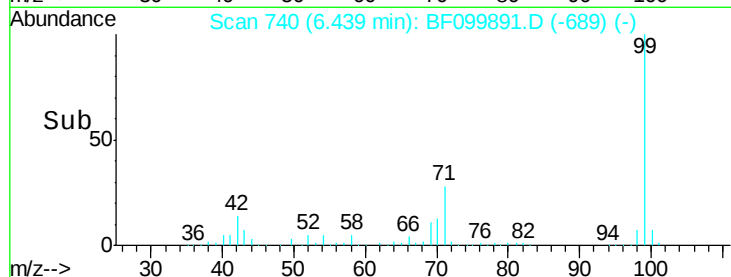
71 28.3 25.4 38.0



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: 2.32 ng

RT: 6.57 min Scan# 762

Delta R.T. 0.21 min

Lab File: BF099891.D

Acq: 27 Oct 2017 22:46

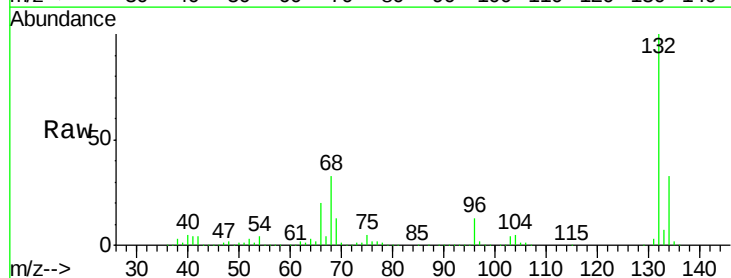
Tgt Ion: 77 Resp: 9237

Ion Ratio Lower Upper

77 100

105 91.2 81.1 121.1

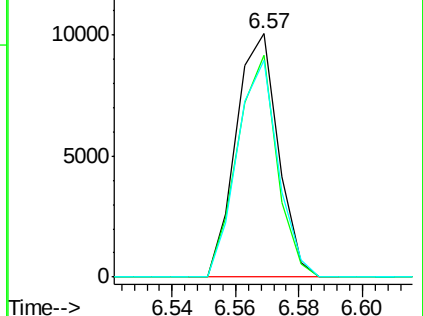
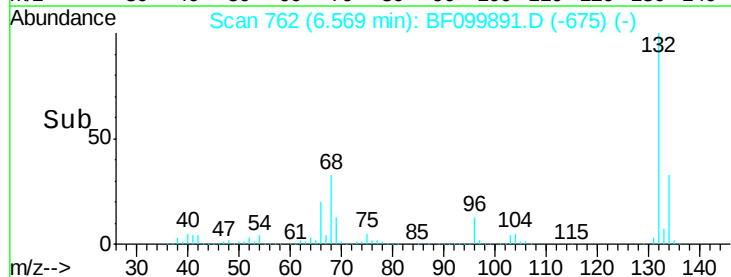
106 88.8 74.5 114.5

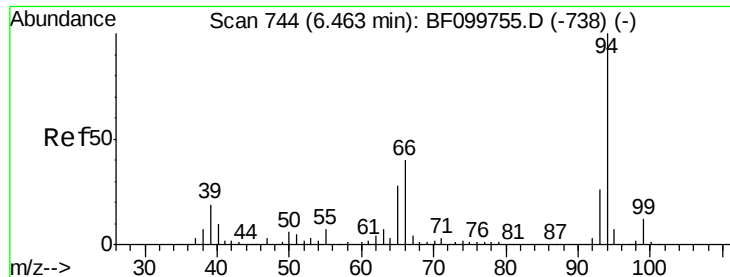


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 4.83 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF099891.D

Acq: 27 Oct 2017 22:46

Instrument :

BNA_F

ClientSampleId :

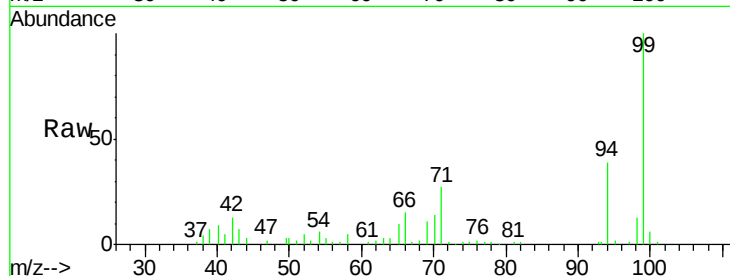
Tot Ion: 94 Resp: 35280

Ion Ratio Lower Upper

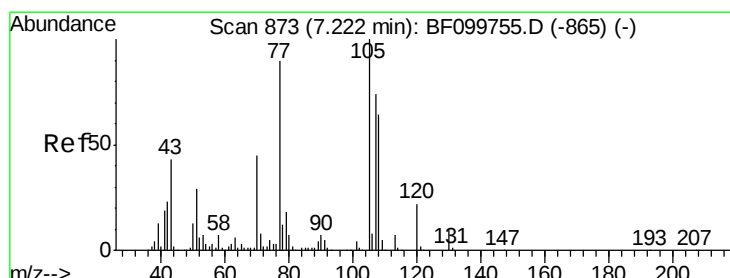
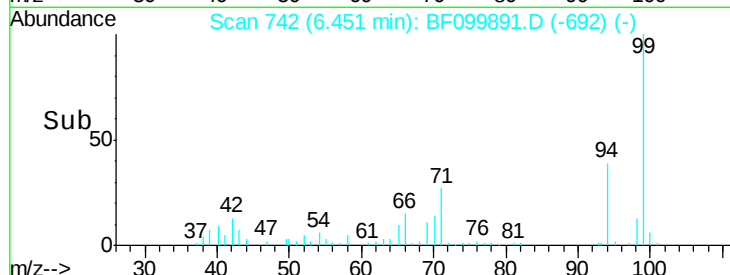
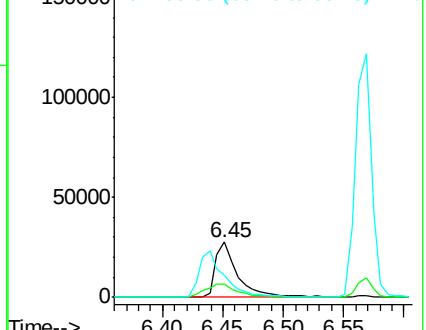
94 100

65 24.8 7.9 47.9

66 39.3 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: 11.12 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.15 min

Lab File: BF099891.D

Acq: 27 Oct 2017 22:46

Tgt Ion: 70 Resp: 43356

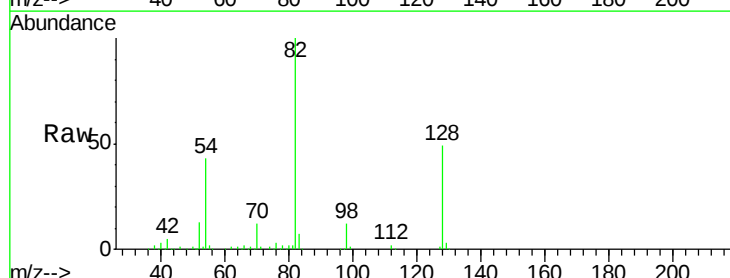
Ion Ratio Lower Upper

70 100

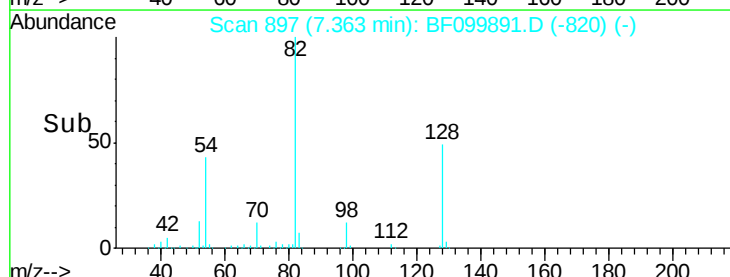
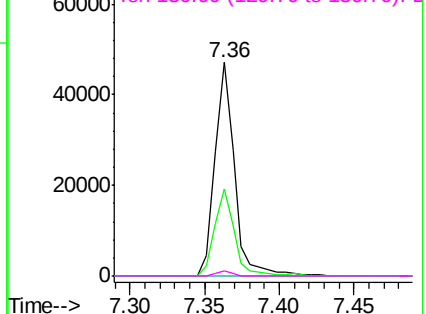
42 40.9 47.5 71.3#

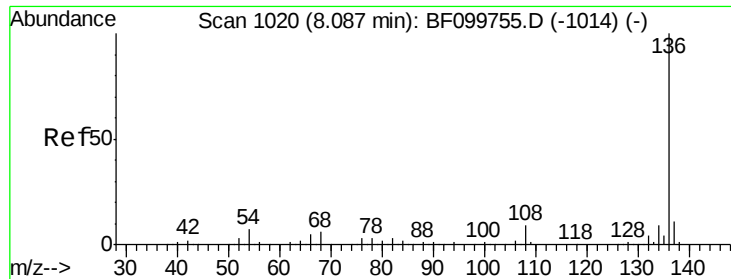
101 0.0 7.4 11.2#

130 2.4 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

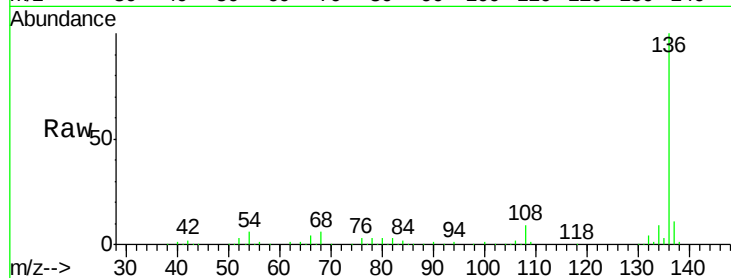




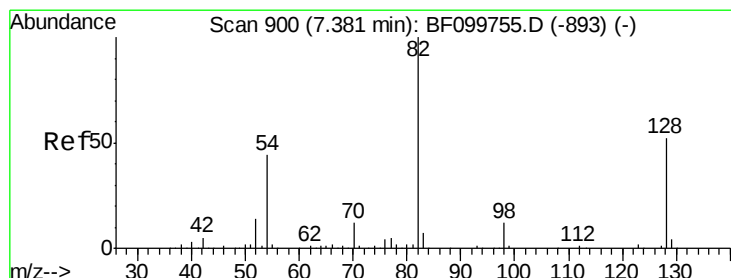
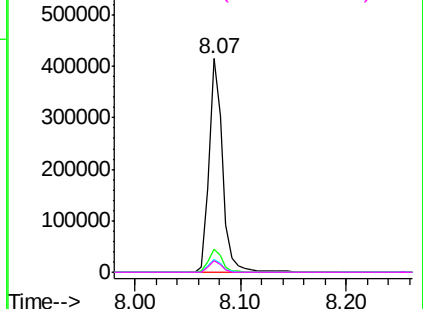
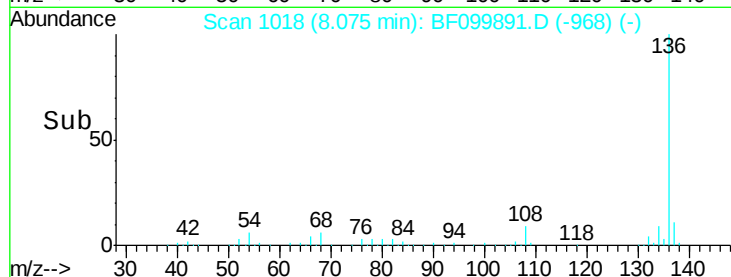
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF099891.D
Acq: 27 Oct 2017 22:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	373081
Ion	Ratio	Lower Upper
136	100	
137	10.9	8.9 13.3
54	6.3	6.6 9.8#
68	5.5	5.0 7.4

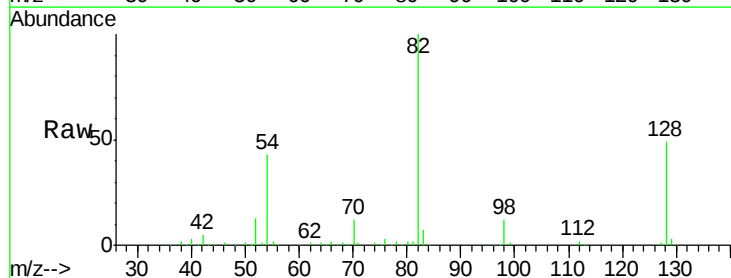


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

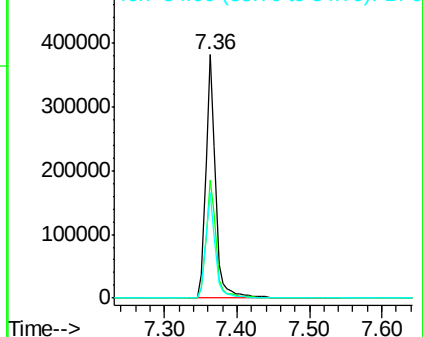
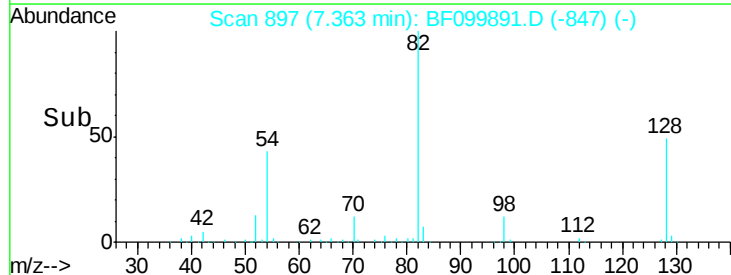


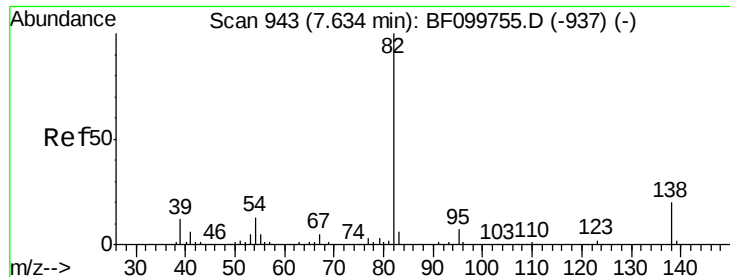
#23
Nitrobenzene-d5
Concen: 61.72 ng
RT: 7.36 min Scan# 897
Delta R.T. -0.01 min
Lab File: BF099891.D
Acq: 27 Oct 2017 22:46

Tgt Ion: 82	Resp:	357685
Ion	Ratio	Lower Upper
82	100	
128	48.6	36.1 54.1
54	43.2	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: 34.02 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.26 min

Lab File: BF099891.D

Acq: 27 Oct 2017 22:46

Instrument :

BNA_F

ClientSampleId :

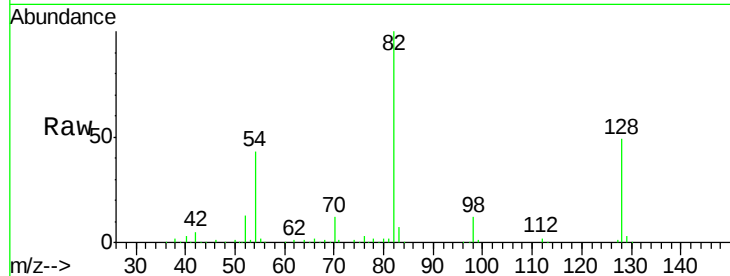
Tot Ion: 82 Resp: 357685

Ion Ratio Lower Upper

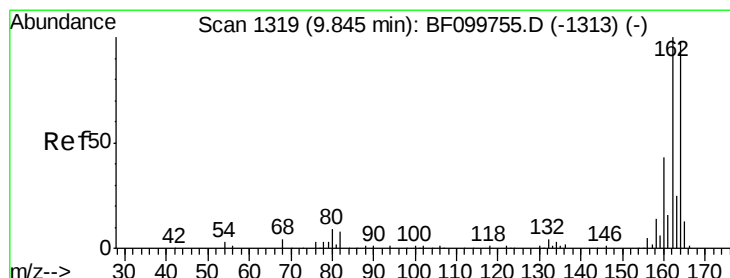
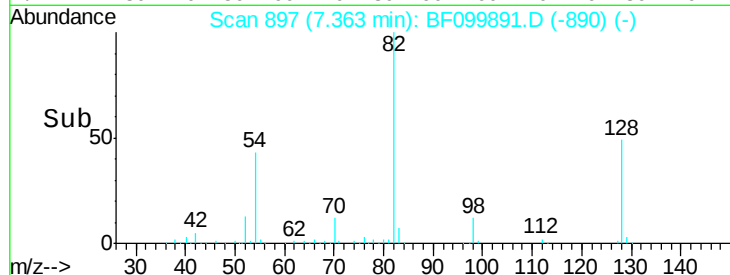
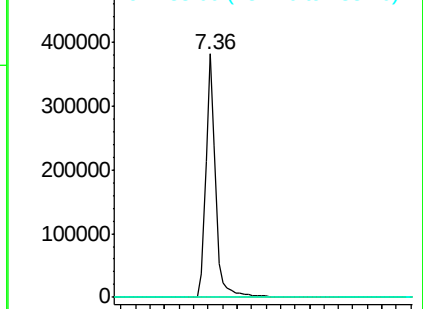
82 100

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): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.83 min Scan# 1317

Delta R.T. -0.01 min

Lab File: BF099891.D

Acq: 27 Oct 2017 22:46

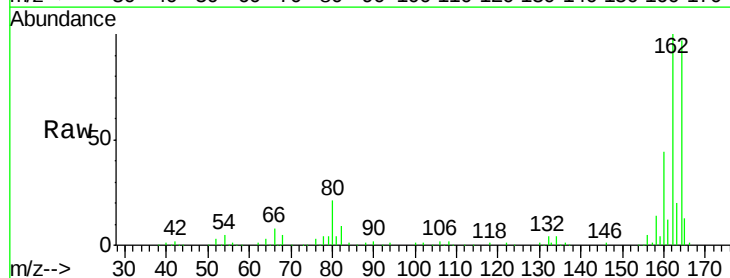
Tgt Ion: 164 Resp: 175382

Ion Ratio Lower Upper

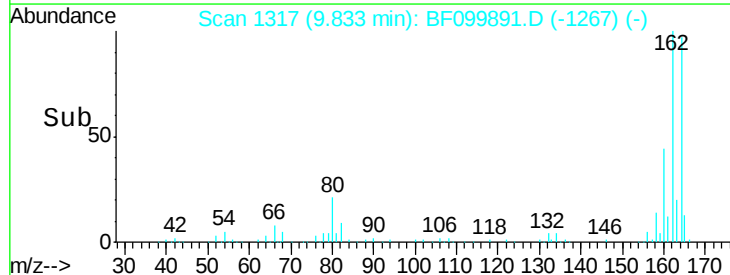
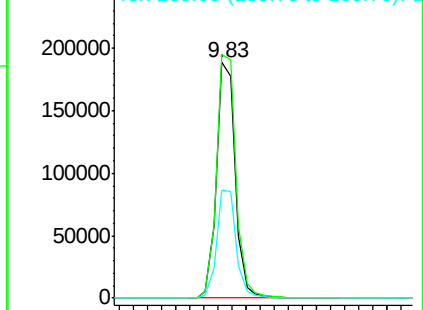
164 100

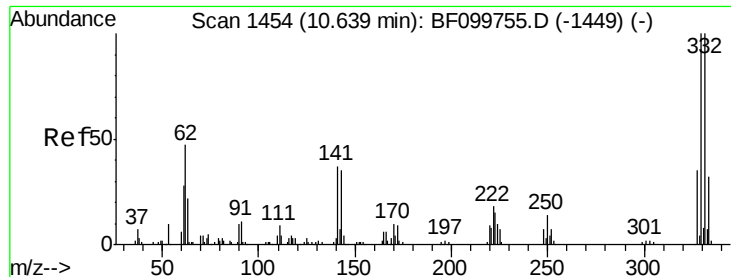
162 103.5 86.1 129.1

160 46.0 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

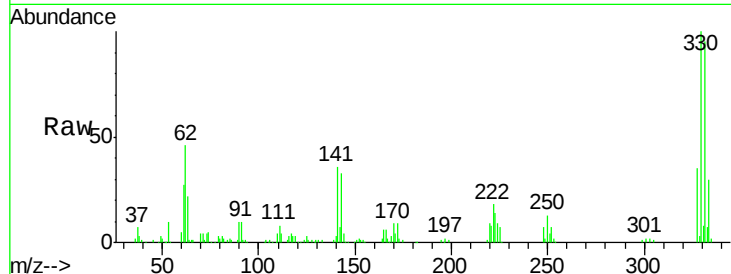




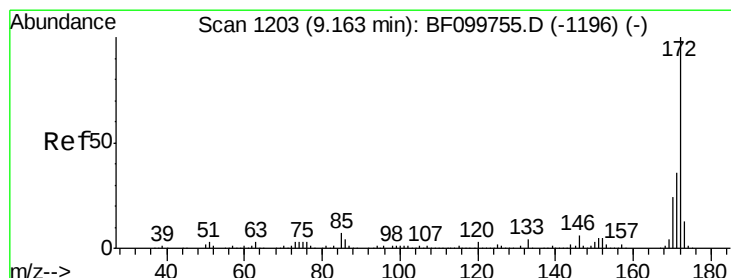
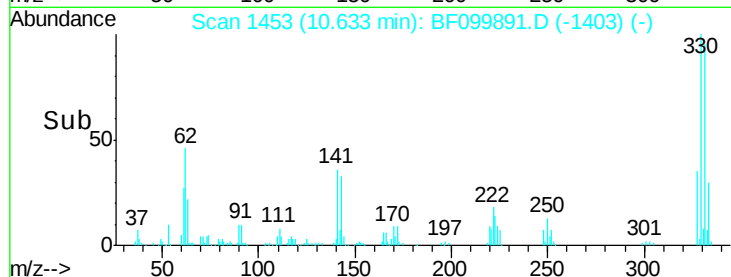
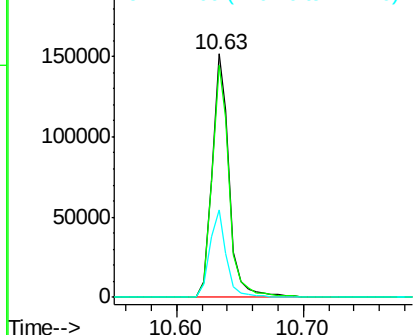
#41
 2,4,6-Tribromophenol
 Concen: 90.27 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF099891.D
 Acq: 27 Oct 2017 22:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.1	77.0	115.6
141	34.9	29.9	44.9

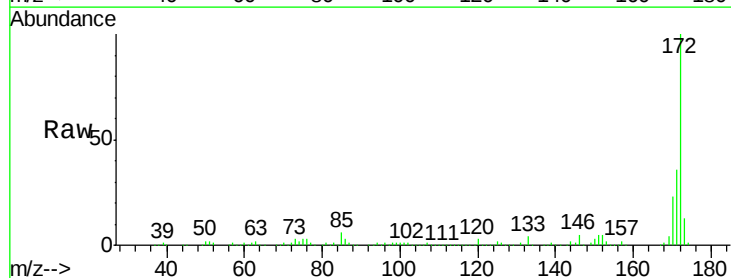


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

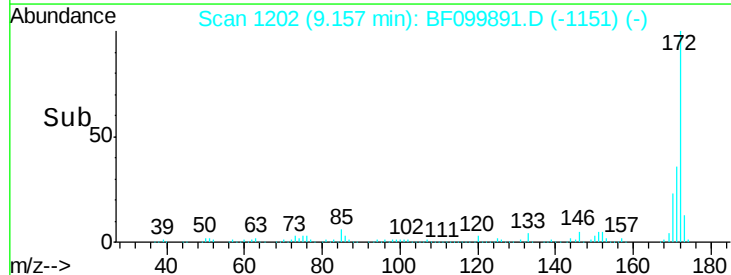
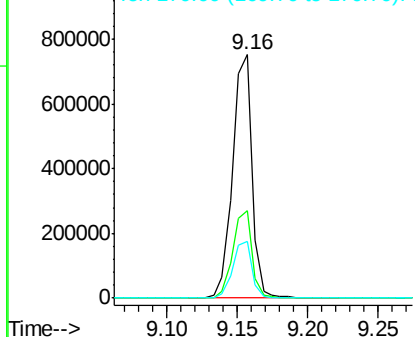


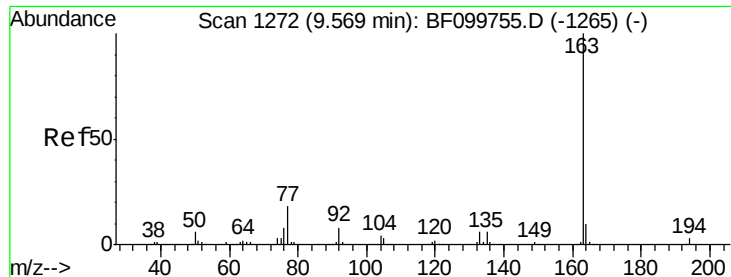
#44
 2-Fluorobiphenyl
 Concen: 63.87 ng
 RT: 9.16 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: BF099891.D
 Acq: 27 Oct 2017 22:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	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

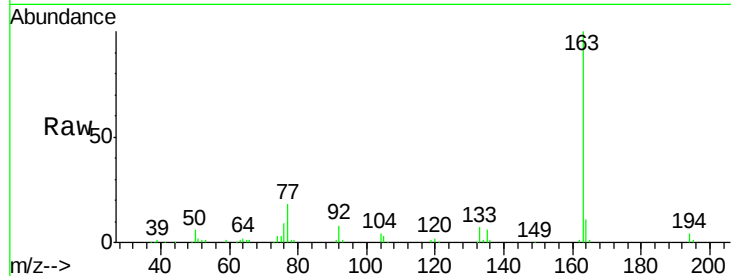




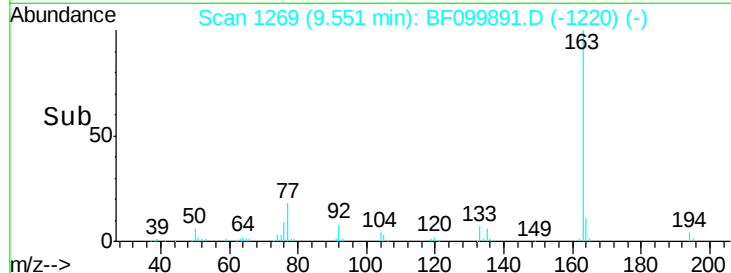
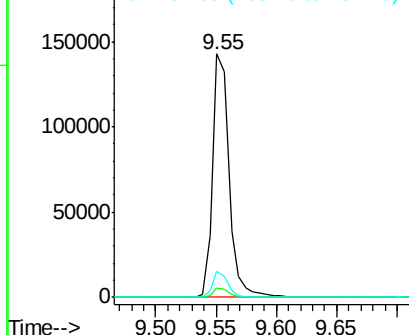
#49
Dimethylphthalate
Concen: 9.72 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.01 min
Lab File: BF099891.D
Acq: 27 Oct 2017 22:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 134973
Ion Ratio Lower Upper
163 100
194 3.6 2.7 4.1
164 10.8 8.2 12.2

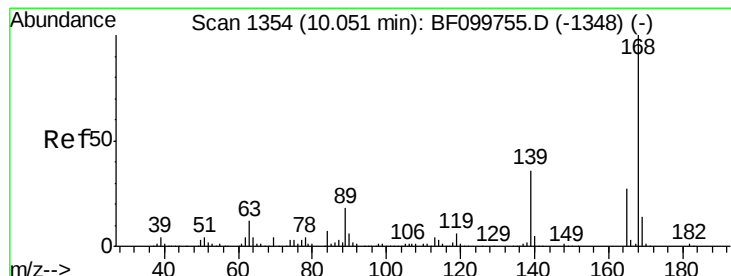


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

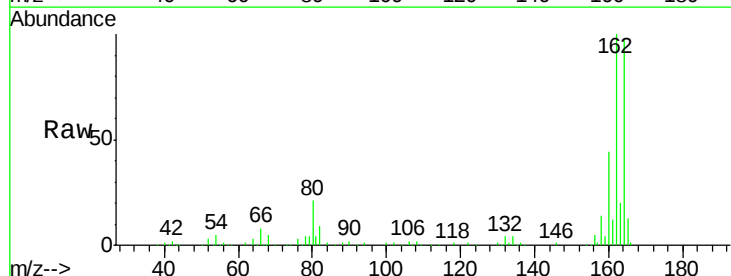
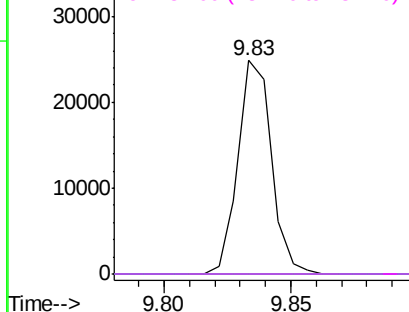


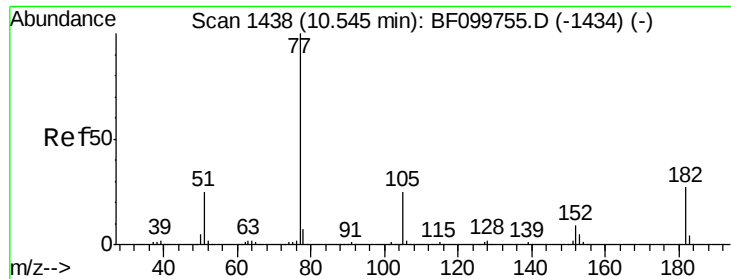
#56
2,4-Dinitrotoluene
Concen: 6.50 ng
RT: 9.83 min Scan# 1317
Delta R.T. -0.22 min
Lab File: BF099891.D
Acq: 27 Oct 2017 22:46

Tgt Ion:165 Resp: 22860
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

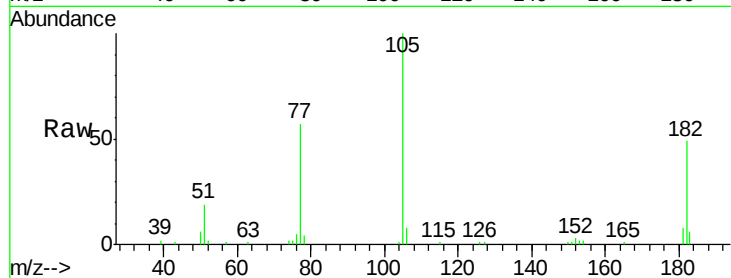




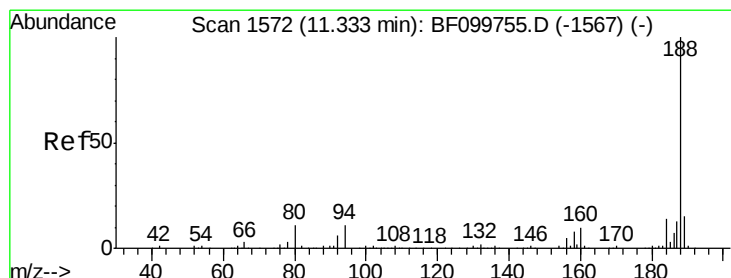
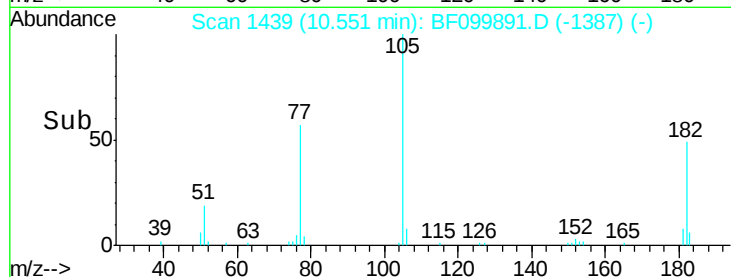
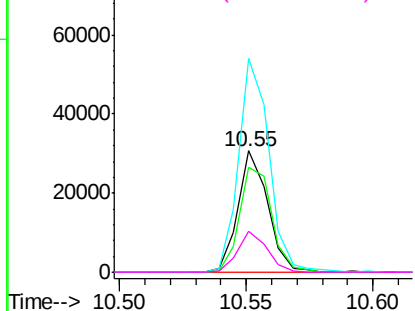
#62
Azobenzene
Concen: 2.22 ng
RT: 10.55 min Scan# 1439
Delta R.T. 0.01 min
Lab File: BF099891.D
Acq: 27 Oct 2017 22:46

Instrument :
BNA_F
ClientSampled :

Tot Ion: 77 Resp: 25197
Ion Ratio Lower Upper
77 100
182 86.7 1.7 41.7#
105 176.5 3.0 43.0#
51 33.9 9.9 49.9

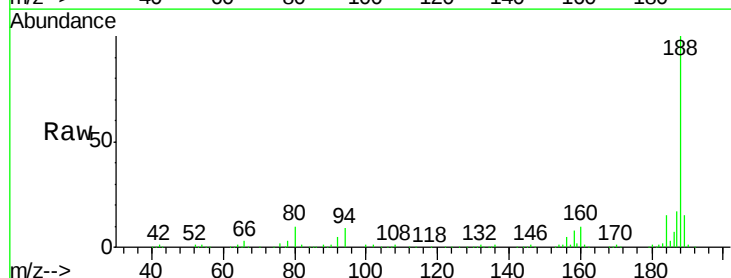


Abundance Ion 77.00 (76.70 to 77.70): BF0
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BF0

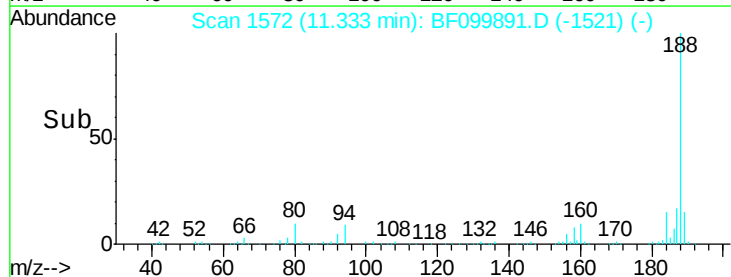
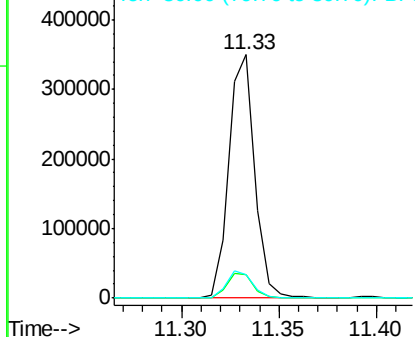


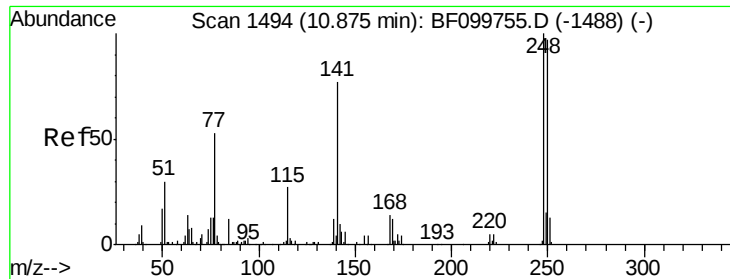
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.00 min
Lab File: BF099891.D
Acq: 27 Oct 2017 22:46

Tgt Ion: 188 Resp: 320751
Ion Ratio Lower Upper
188 100
94 9.4 8.5 12.7
80 9.8 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

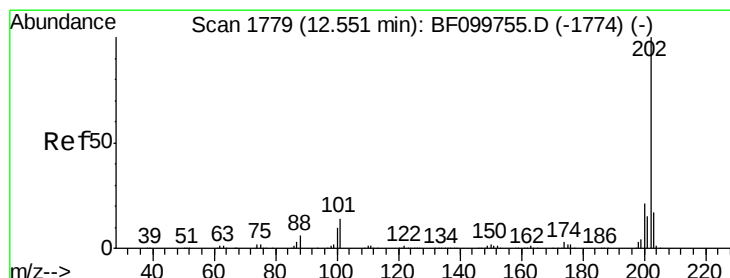
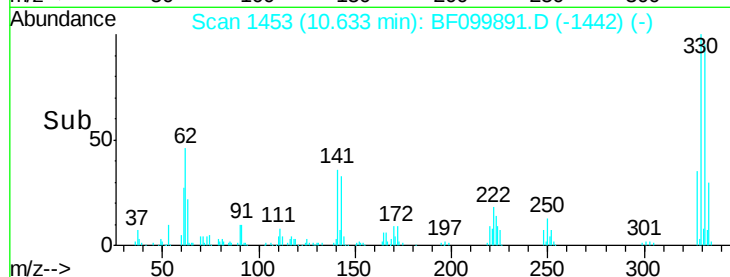
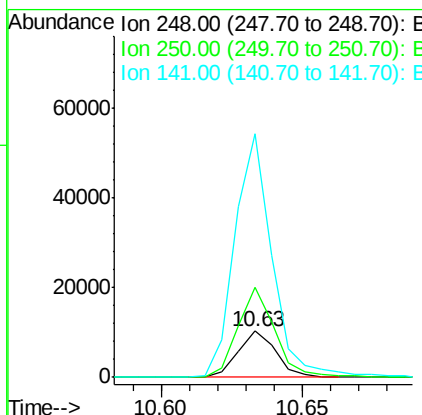
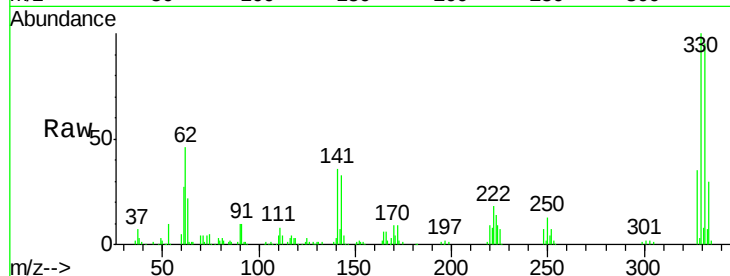




#66
 4-Bromophenyl-phenylether
 Concen: 2.82 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.24 min
 Lab File: BF099891.D
 Acq: 27 Oct 2017 22:46

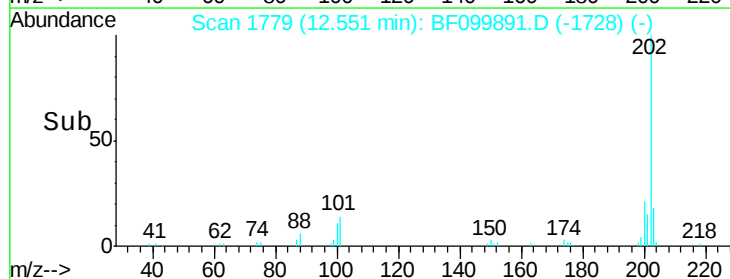
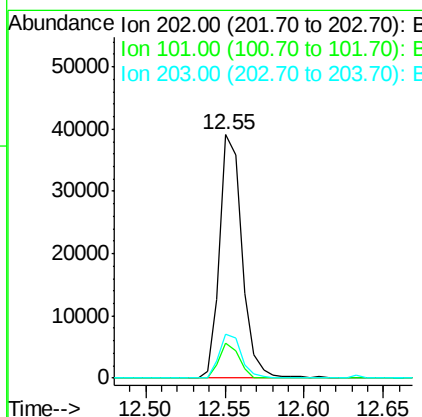
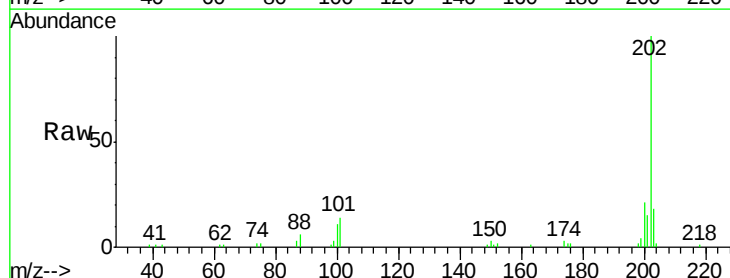
Instrument :
 BNA_F
 ClientSampleId :

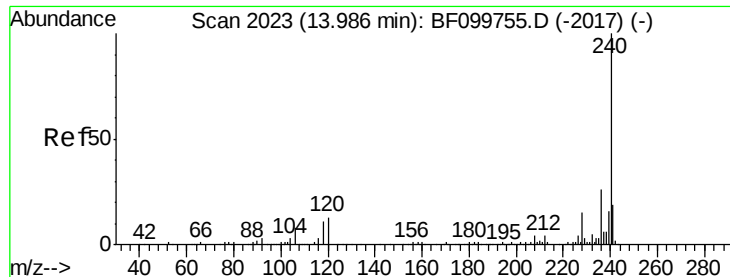
Tot Ion:248 Resp: 9509
 Ion Ratio Lower Upper
 248 100
 250 195.2 76.9 115.3#
 141 530.2 74.4 111.6#



#74
 Fluoranthene
 Concen: 2.05 ng
 RT: 12.55 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: BF099891.D
 Acq: 27 Oct 2017 22:46

Tgt Ion:202 Resp: 38576
 Ion Ratio Lower Upper
 202 100
 101 14.4 0.0 34.1
 203 18.1 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.01 min

Lab File: BF099891.D

Acq: 27 Oct 2017 22:46

Instrument :

BNA_F

ClientSampleId :

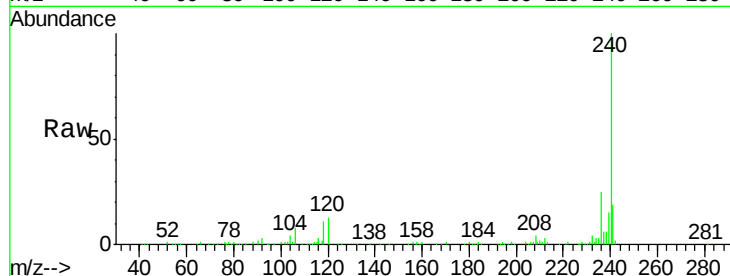
Tot Ion:240 Resp: 201578

Ion Ratio Lower Upper

240 100

120 13.1 9.5 14.3

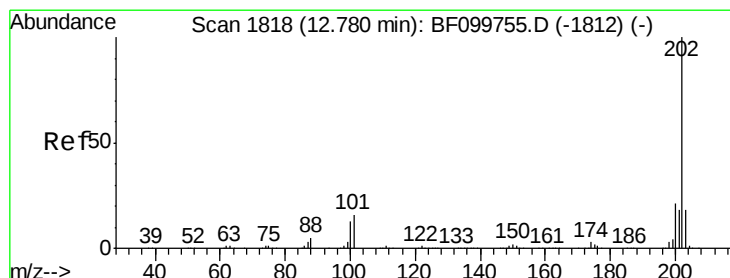
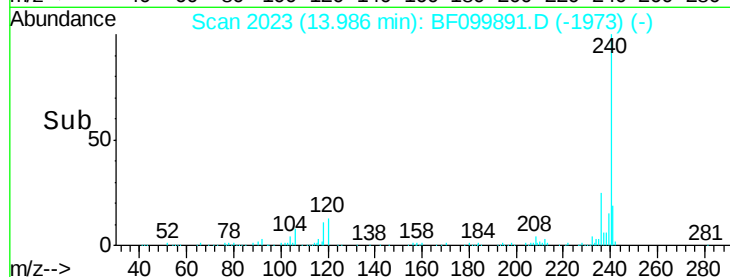
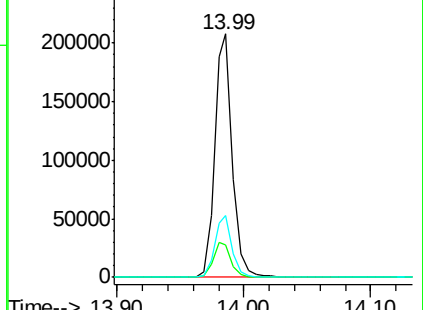
236 25.4 20.7 31.1



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



#77

Pyrene

Concen: 2.19 ng

RT: 12.79 min Scan# 1819

Delta R.T. -0.00 min

Lab File: BF099891.D

Acq: 27 Oct 2017 22:46

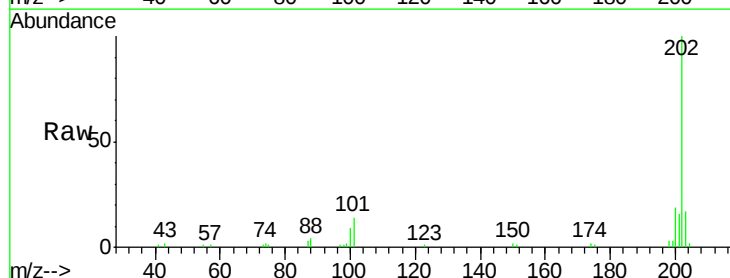
Tgt Ion:202 Resp: 33502

Ion Ratio Lower Upper

202 100

200 18.9 17.4 26.2

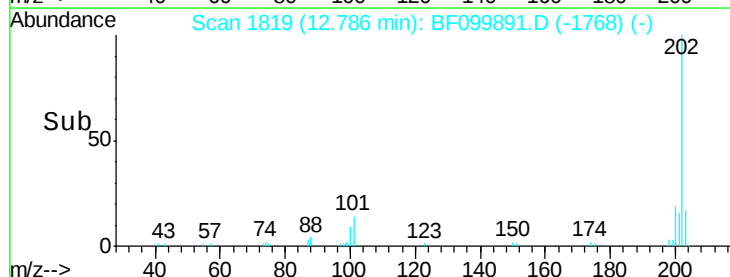
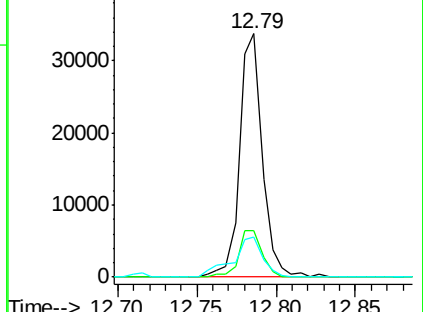
203 16.5 14.3 21.5

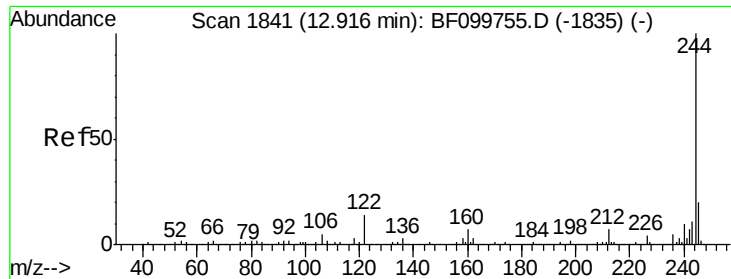


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

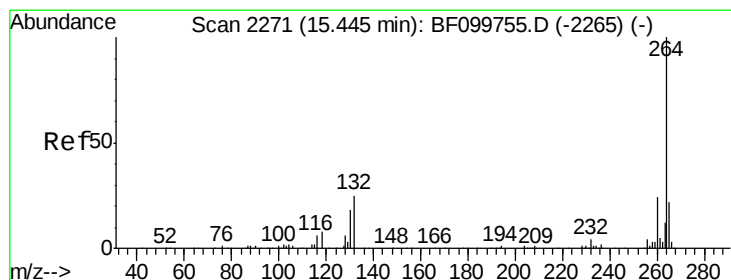
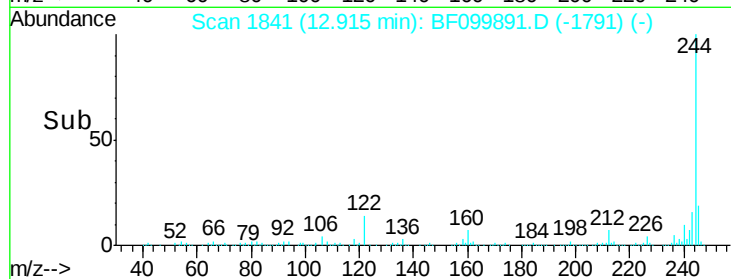
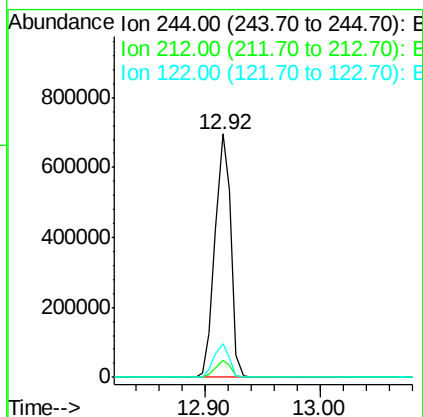
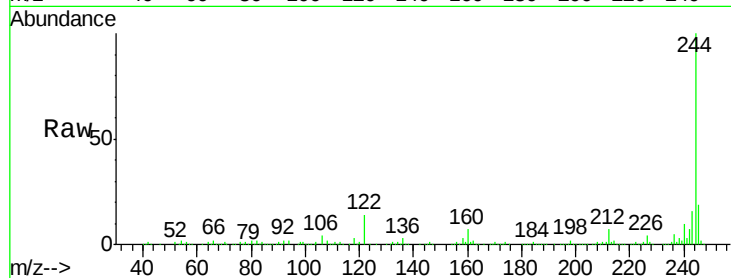




#78
 Terphenyl-d14
 Concen: 71.56 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF099891.D
 Acq: 27 Oct 2017 22:46

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 660044
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 13.9 11.0 16.4



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.46 min Scan# 2273
 Delta R.T. -0.00 min
 Lab File: BF099891.D
 Acq: 27 Oct 2017 22:46

Tgt Ion:264 Resp: 162893
 Ion Ratio Lower Upper
 264 100
 260 23.3 19.2 28.8
 265 21.3 17.5 26.3

