

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101917\
 Data File : BF099662.D
 Acq On : 19 Oct 2017 17:39
 Operator : SJ/JU
 Sample : I5901-06
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 20 12:48:22 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 19 19:55:56 2017
 Response via : Initial Calibration

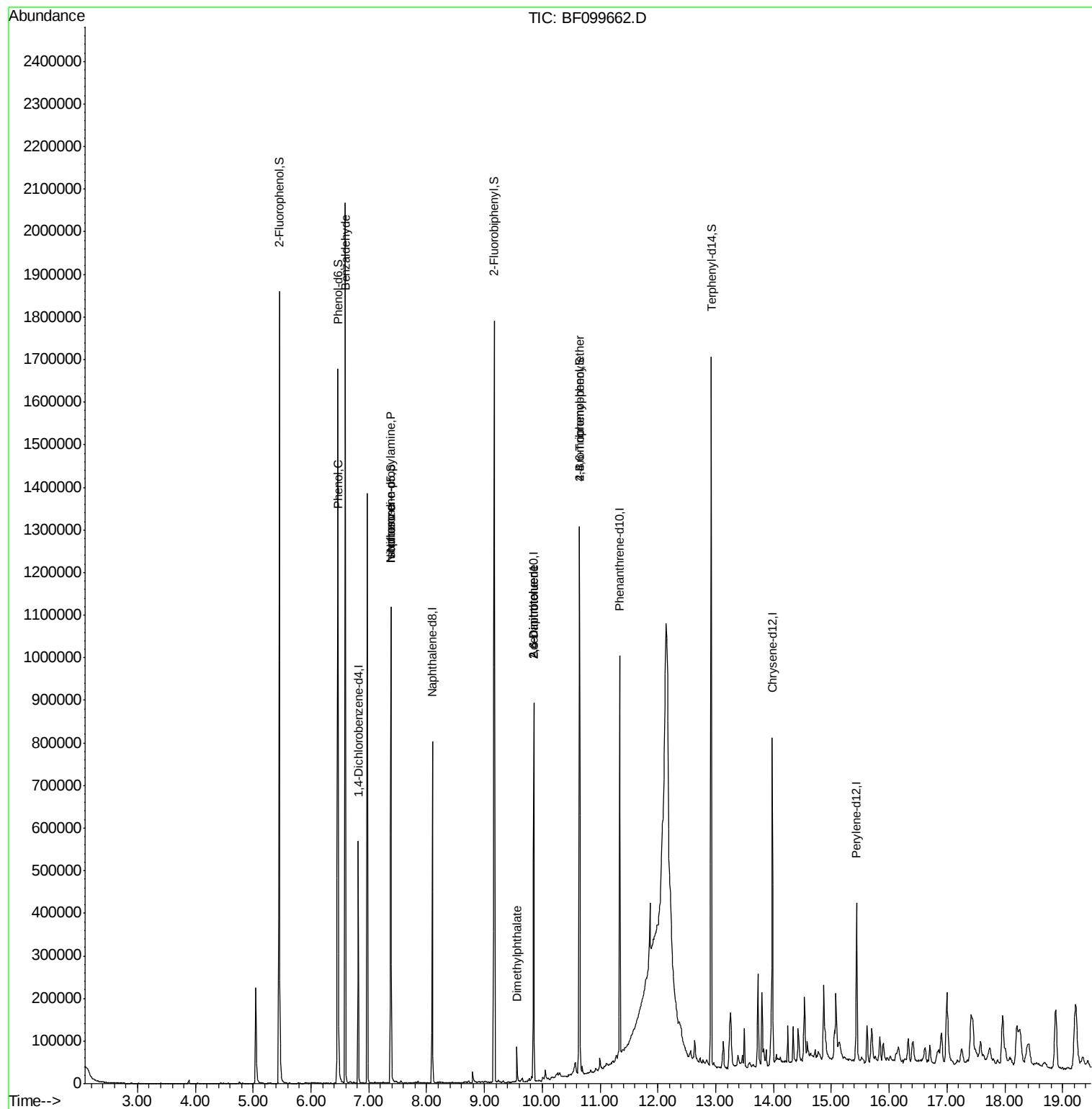
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	86332	20.00	ng	-0.01
21) Naphthalene-d8	8.10	136	356688	20.00	ng	-0.01
38) Acenaphthene-d10	9.85	164	167009	20.00	ng	-0.02
63) Phenanthrene-d10	11.34	188	306991	20.00	ng	-0.01
75) Chrysene-d12	13.98	240	194582	20.00	ng	-0.02
86) Perylene-d12	15.44	264	151719	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	578783	106.72	ng	0.00
7) Phenol-d6	6.46	99	693069	103.60	ng	-0.02
23) Nitrobenzene-d5	7.39	82	412897	74.24	ng	-0.01
41) 2,4,6-Tribromophenol	10.65	330	150844	110.38	ng	-0.01
44) 2-Fluorobiphenyl	9.17	172	592385	59.21	ng	-0.02
78) Terphenyl-d14	12.92	244	499647	58.40	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.59	77	11234	2.895	ng	82
10) Phenol	6.47	94	36744	4.911	ng	97
19) n-Nitroso-di-n-propylamine	7.39	70	51883	12.147	ng	# 71
25) Isophorone	7.39	82	412952	35.911	ng	# 64
49) Dimethylphthalate	9.56	163	33080	2.624	ng	96
50) 2,6-Dinitrotoluene	9.85	165	21097	7.688	ng	# 25
56) 2,4-Dinitrotoluene	9.85	165	21097	5.924	ng	# 23
66) 4-Bromophenyl-phenylether	10.65	248	9850	3.278	ng	# 1

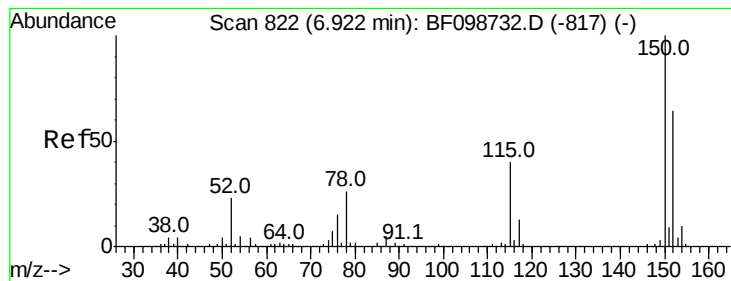
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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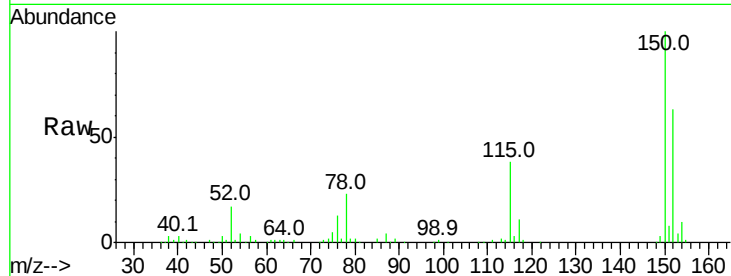


#1

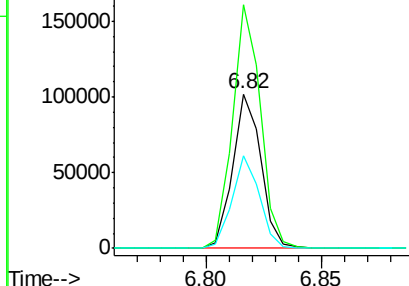
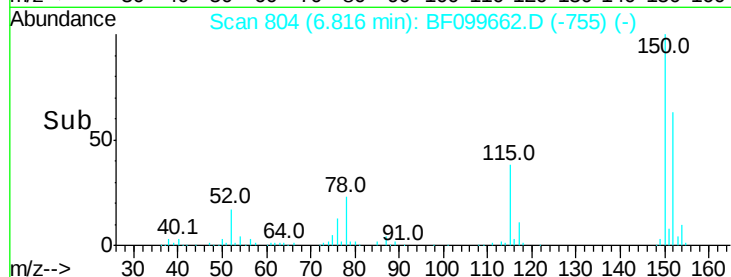
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.01 min
Lab File: BF099662.D
Acq: 19 Oct 2017 17:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 86332
Ion Ratio Lower Upper
152 100
150 157.8 124.6 186.8
115 60.1 50.1 75.1



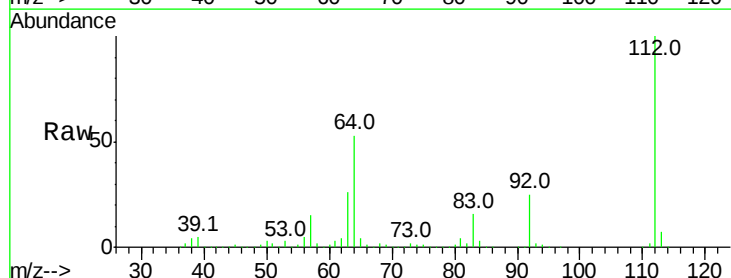
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



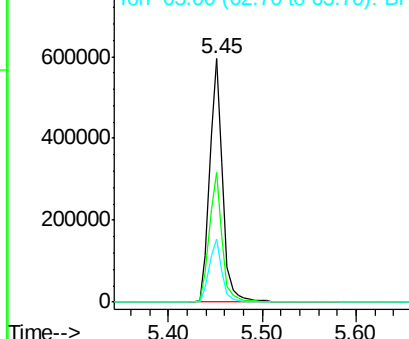
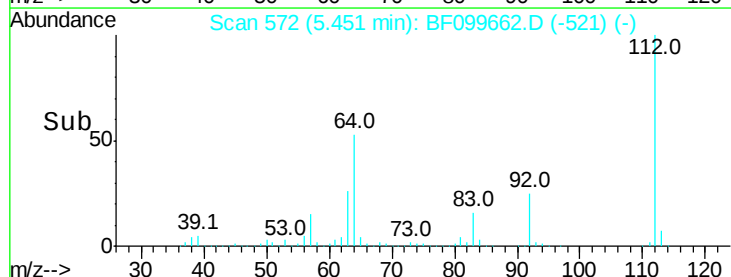
#5

2-Fluorophenol
Concen: 106.723 ng
RT: 5.45 min Scan# 572
Delta R.T. 0.00 min
Lab File: BF099662.D
Acq: 19 Oct 2017 17:39

Tgt Ion:112 Resp: 578783
Ion Ratio Lower Upper
112 100
64 53.2 47.9 71.9
63 25.7 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: 103.596 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.02 min

Lab File: BF099662.D

Acq: 19 Oct 2017 17:39

Instrument :

BNA_F

ClientSampleId :

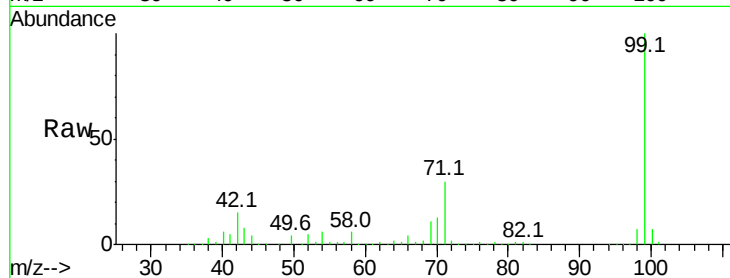
Tot Ion: 99 Resp: 693069

Ion Ratio Lower Upper

99 100

42 14.6 14.5 21.7

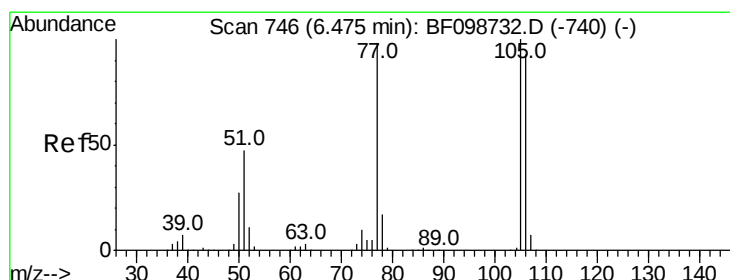
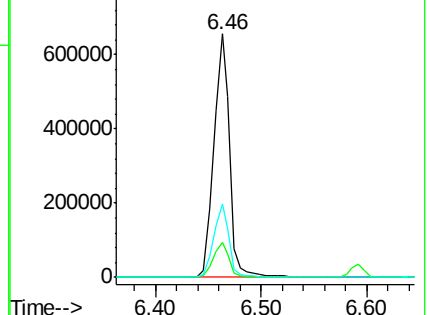
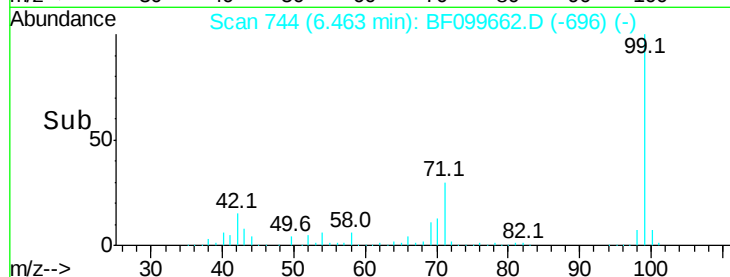
71 30.1 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.895 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.21 min

Lab File: BF099662.D

Acq: 19 Oct 2017 17:39

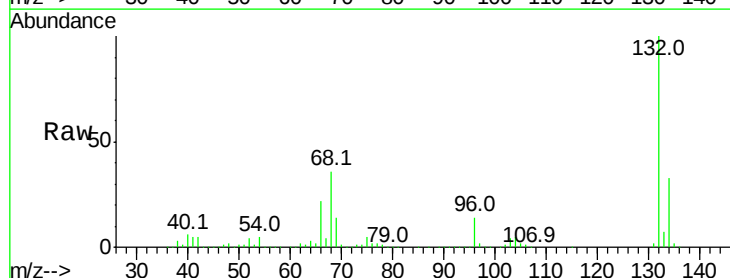
Tgt Ion: 77 Resp: 11234

Ion Ratio Lower Upper

77 100

105 82.9 81.1 121.1

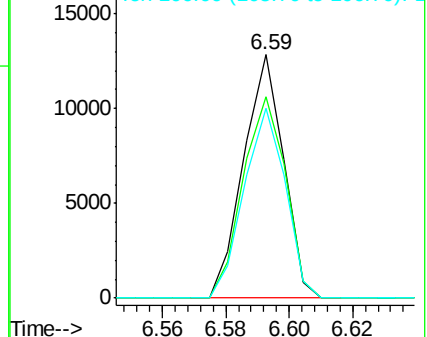
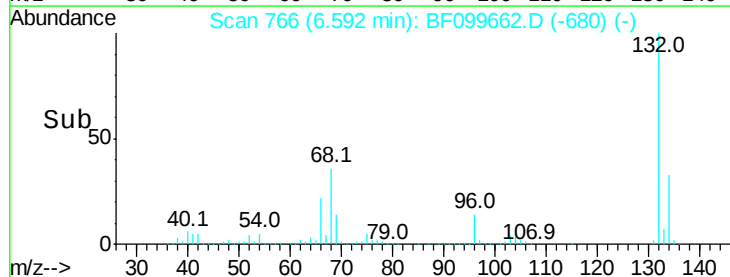
106 77.8 74.5 114.5

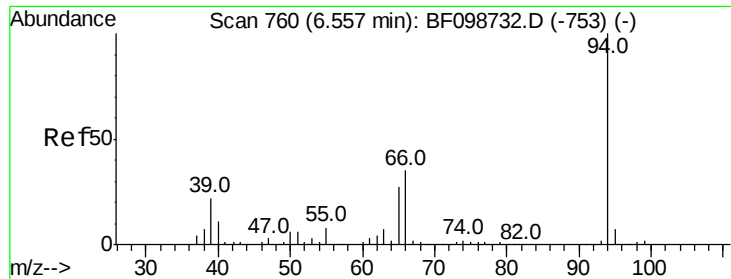


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): B

Ion 106.00 (105.70 to 106.70): B

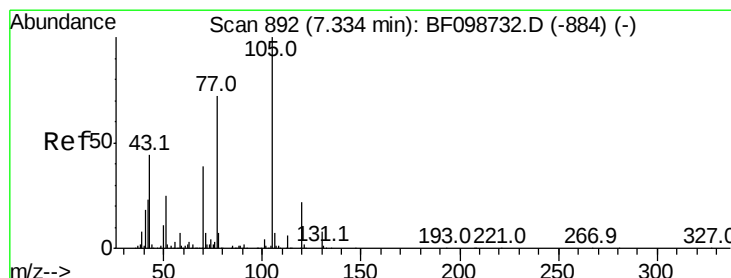
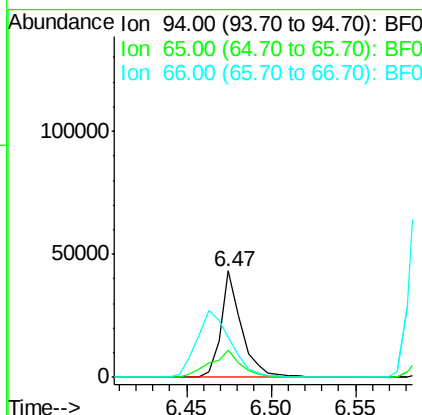
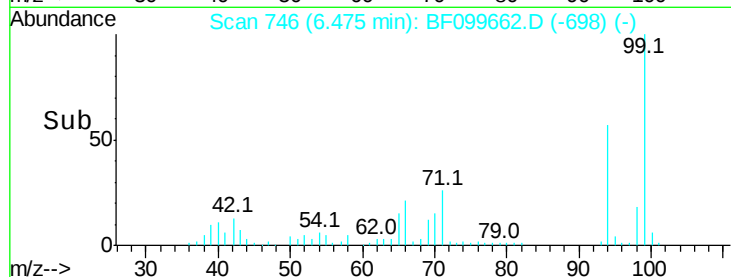
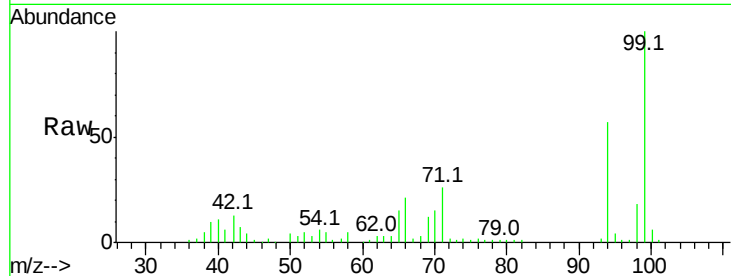




#10
Phenol
Concen: 4.911 ng
RT: 6.47 min Scan# 746
Delta R.T. -0.02 min
Lab File: BF099662.D
Acq: 19 Oct 2017 17:39

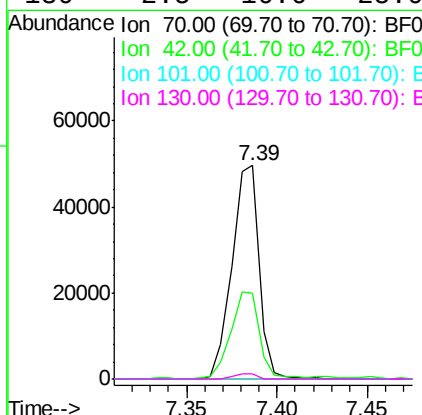
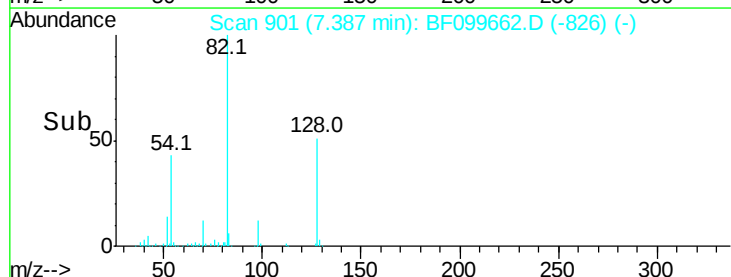
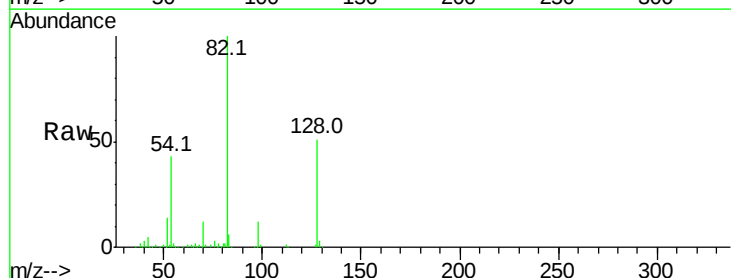
Instrument :
BNA_F
ClientSampled :

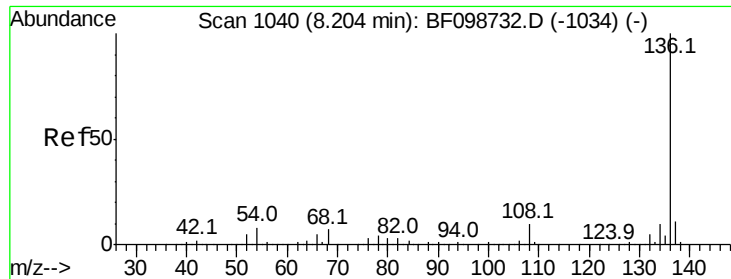
Tot Ion: 94 Resp: 36744
Ion Ratio Lower Upper
94 100
65 25.8 7.9 47.9
66 37.8 16.2 56.2



#19
n-Nitroso-di-n-propylamine
Concen: 12.147 ng
RT: 7.39 min Scan# 901
Delta R.T. 0.14 min
Lab File: BF099662.D
Acq: 19 Oct 2017 17:39

Tgt Ion: 70 Resp: 51883
Ion Ratio Lower Upper
70 100
42 39.9 47.5 71.3#
101 0.0 7.4 11.2#
130 2.5 16.6 25.0#

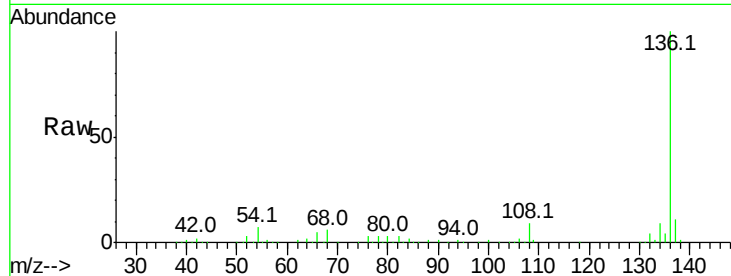




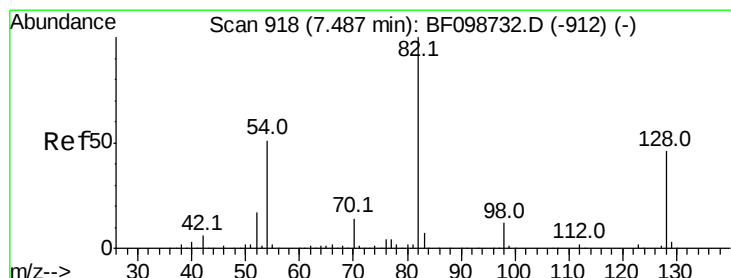
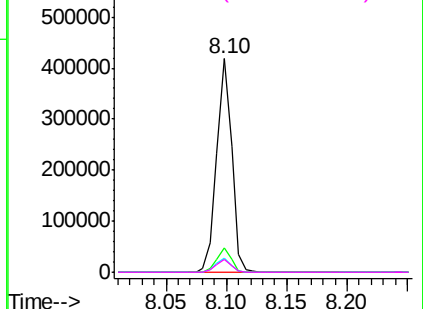
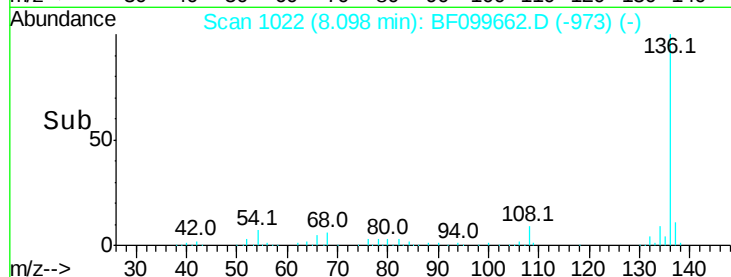
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BF099662.D
Acq: 19 Oct 2017 17:39

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	356688
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	6.8	6.6	9.8
68	6.1	5.0	7.4

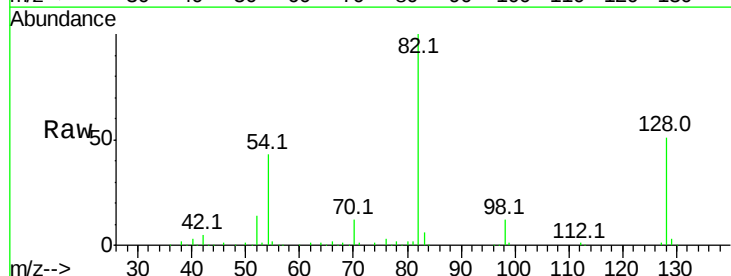


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

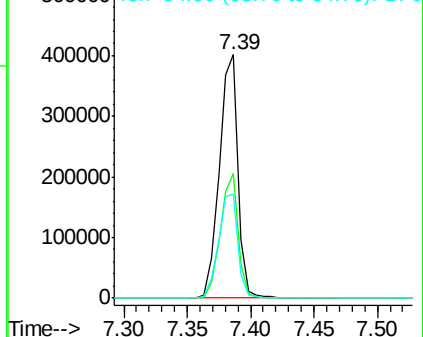
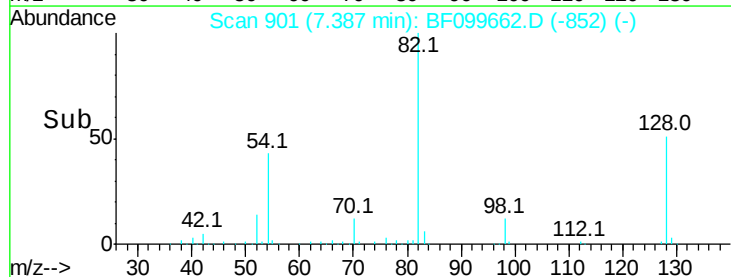


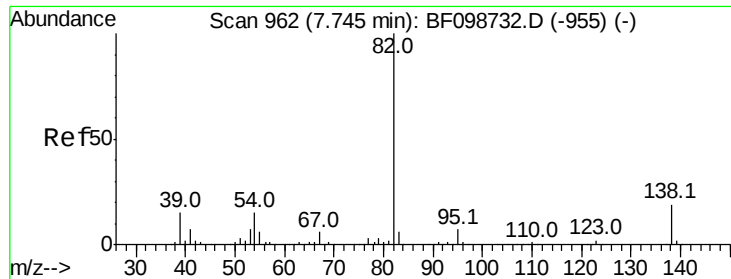
#23
Nitrobenzene-d5
Concen: 74.236 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.01 min
Lab File: BF099662.D
Acq: 19 Oct 2017 17:39

Tgt Ion:	82	Resp:	412897
Ion	Ratio	Lower	Upper
82	100		
128	51.2	36.1	54.1
54	42.9	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: 35.911 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.27 min

Lab File: BF099662.D

Acq: 19 Oct 2017 17:39

Instrument :

BNA_F

ClientSampleId :

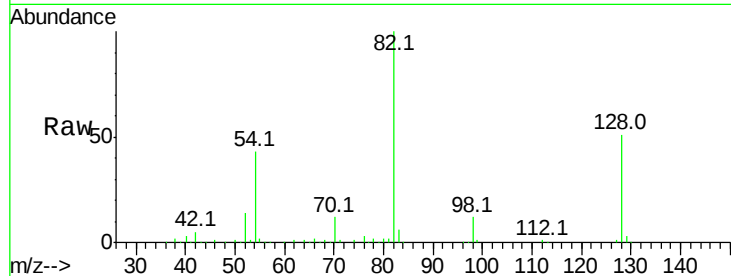
Tot Ion: 82 Resp: 412952

Ion Ratio Lower Upper

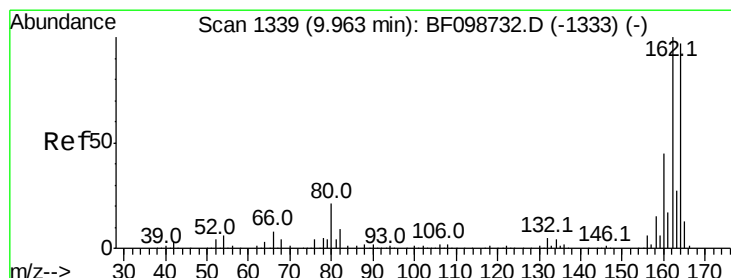
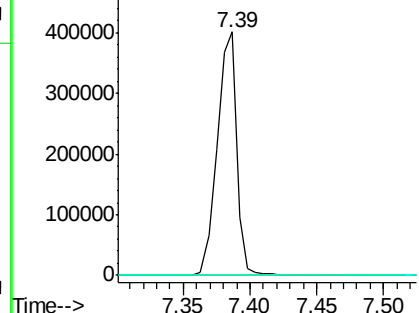
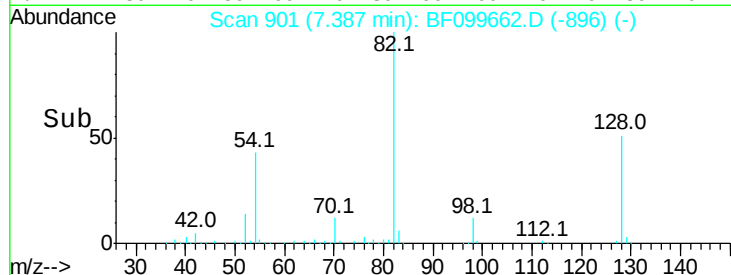
82 100

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# 1320

Delta R.T. -0.02 min

Lab File: BF099662.D

Acq: 19 Oct 2017 17:39

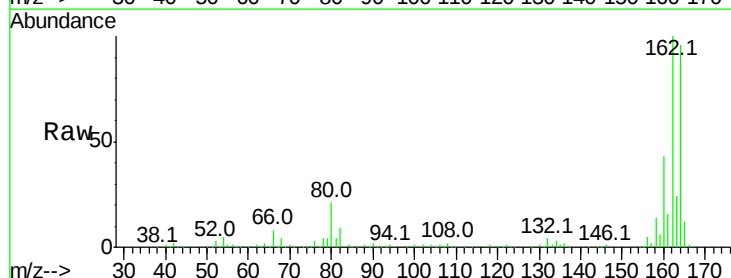
Tgt Ion:164 Resp: 167009

Ion Ratio Lower Upper

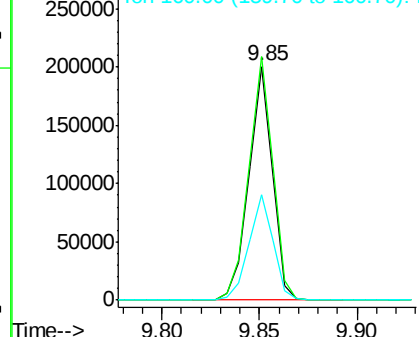
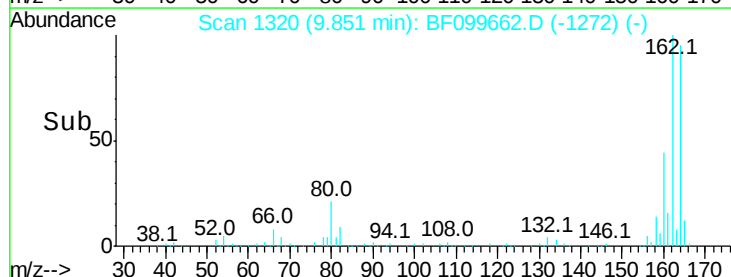
164 100

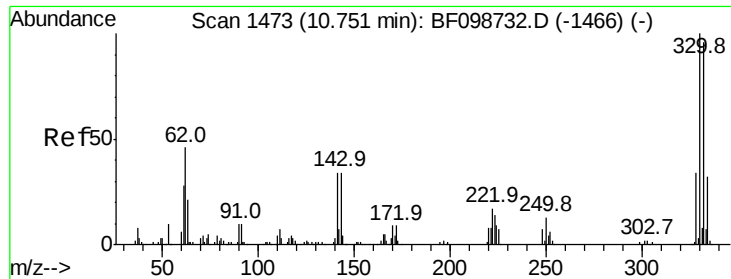
162 104.3 86.1 129.1

160 45.4 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: 110.380 ng

RT: 10.65 min Scan# 1455

Delta R.T. -0.01 min

Lab File: BF099662.D

Acq: 19 Oct 2017 17:39

Instrument :

BNA_F

ClientSampleId :

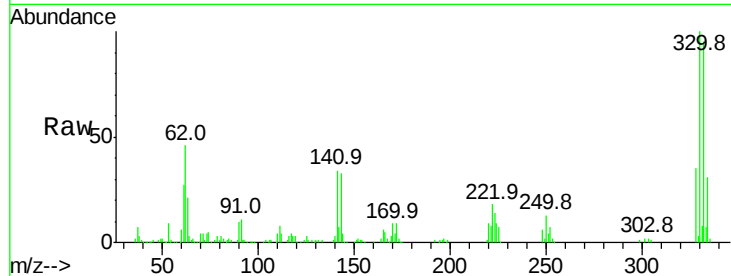
Tot Ion:330 Resp: 150844

Ion Ratio Lower Upper

330 100

332 96.3 77.0 115.6

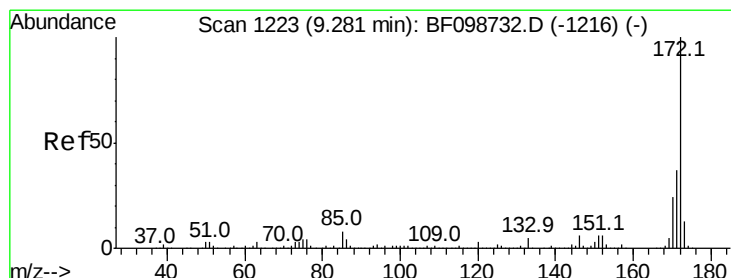
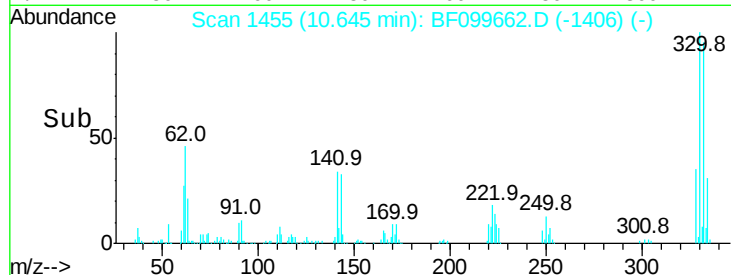
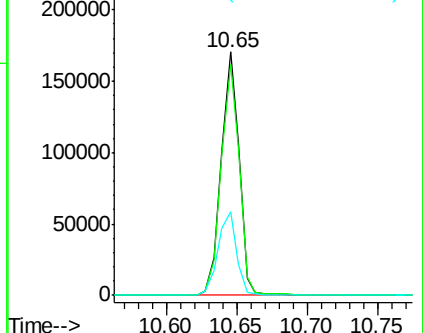
141 35.8 29.9 44.9



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: 59.215 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.02 min

Lab File: BF099662.D

Acq: 19 Oct 2017 17:39

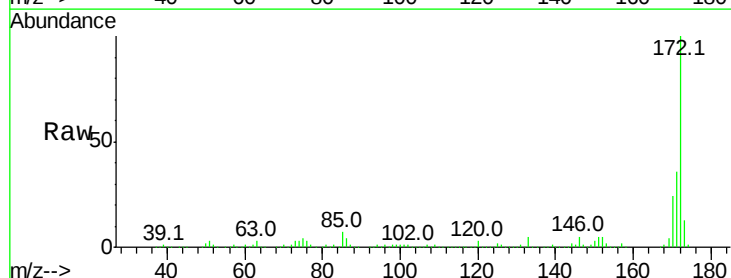
Tgt Ion:172 Resp: 592385

Ion Ratio Lower Upper

172 100

171 35.6 29.7 44.5

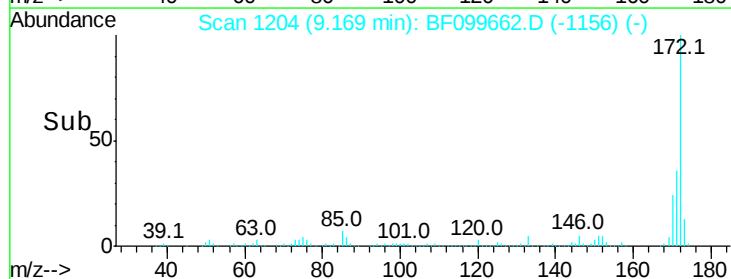
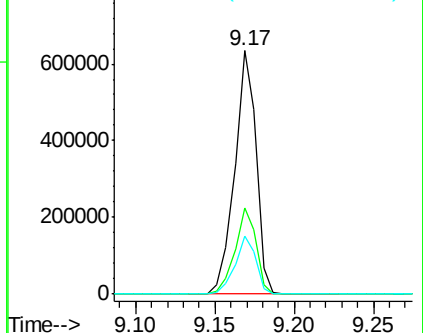
170 23.7 19.6 29.4

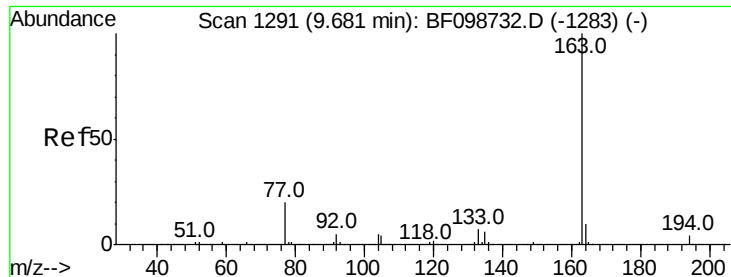


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

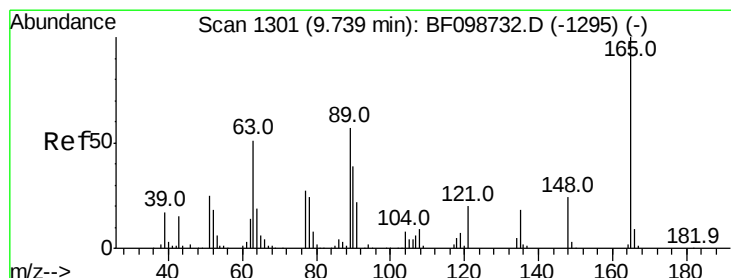
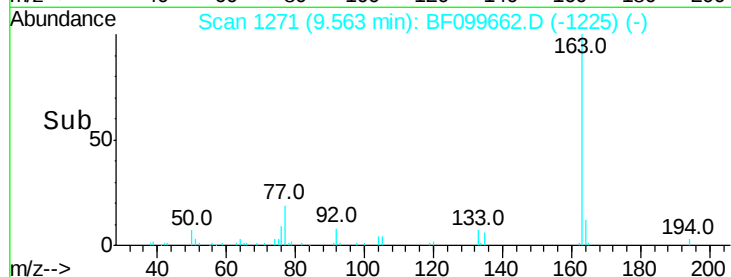
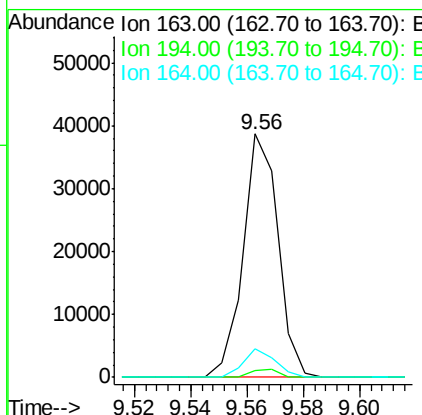
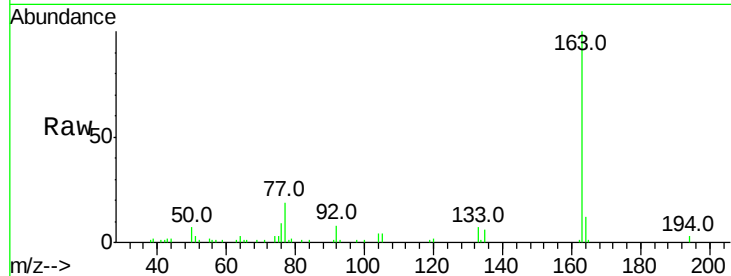




#49
 Dimethylphthalate
 Concen: 2.624 ng
 RT: 9.56 min Scan# 1271
 Delta R.T. -0.03 min
 Lab File: BF099662.D
 Acq: 19 Oct 2017 17:39

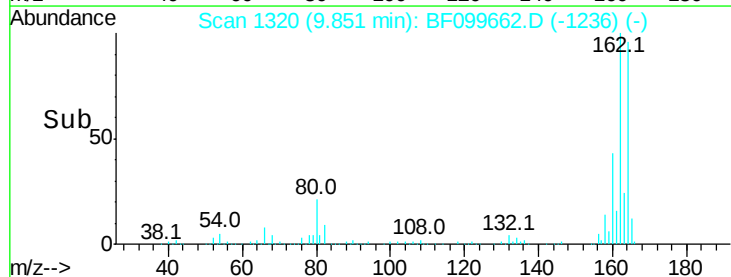
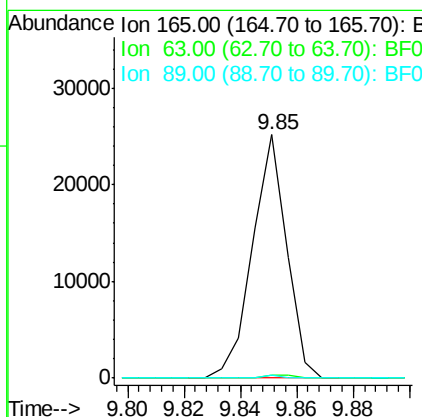
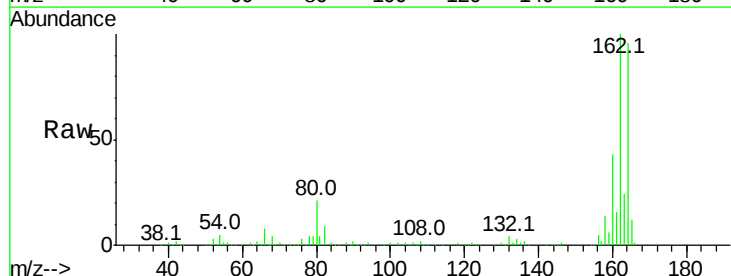
Instrument :
 BNA_F
 ClientSampled :

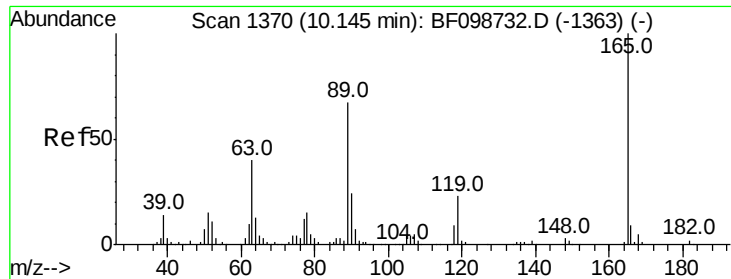
Tot Ion:163 Resp: 33080
 Ion Ratio Lower Upper
 163 100
 194 2.9 2.7 4.1
 164 12.0 8.2 12.2



#50
 2,6-Dinitrotoluene
 Concen: 7.688 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. 0.19 min
 Lab File: BF099662.D
 Acq: 19 Oct 2017 17:39

Tgt Ion:165 Resp: 21097
 Ion Ratio Lower Upper
 165 100
 63 1.3 44.7 67.1#
 89 1.3 44.0 66.0#

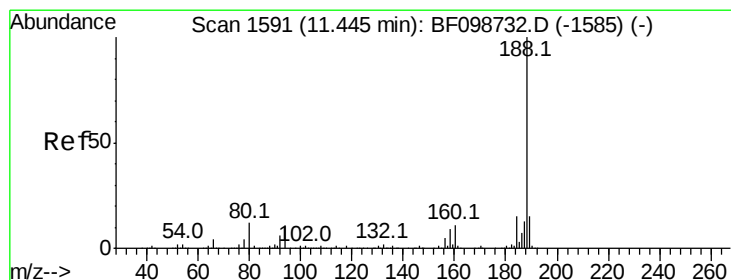
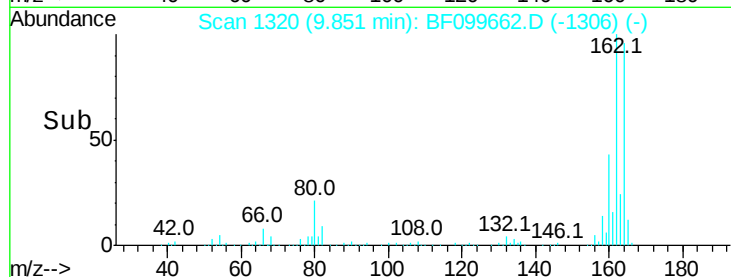
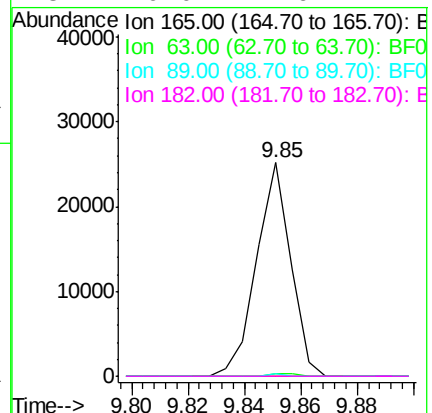
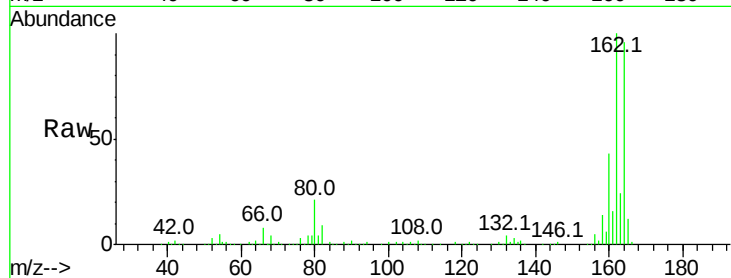




#56
2,4-Dinitrotoluene
Concen: 5.924 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.22 min
Lab File: BF099662.D
Acq: 19 Oct 2017 17:39

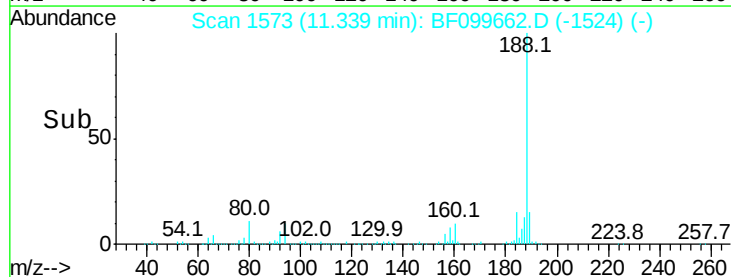
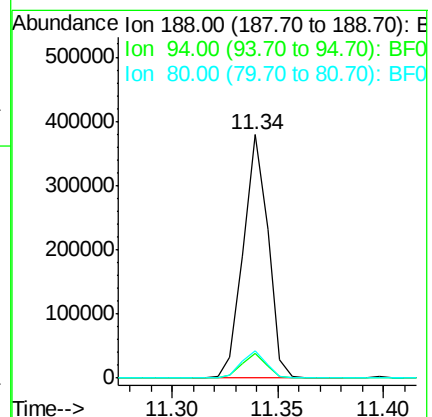
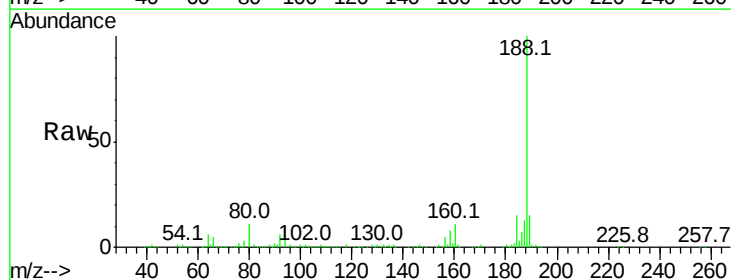
Instrument :
BNA_F
ClientSampleId :

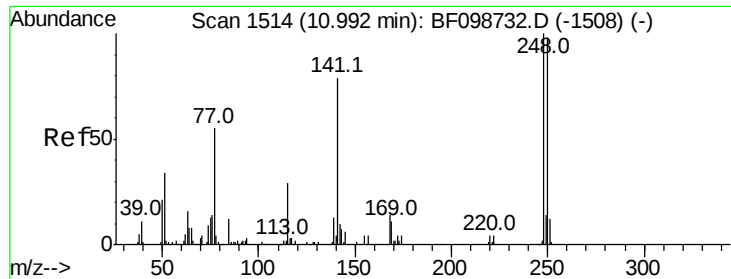
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.3	57.8	86.6#
182	0.0	1.6	2.4#



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF099662.D
Acq: 19 Oct 2017 17:39

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.5	12.7
80	11.4	9.2	13.8

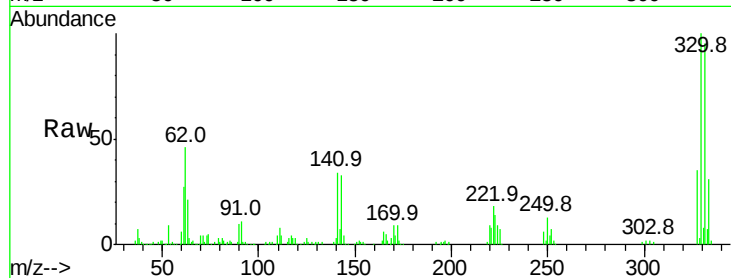




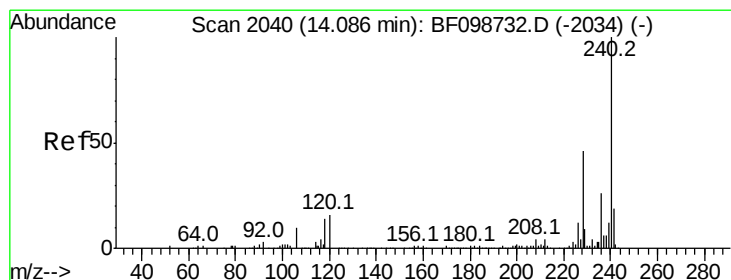
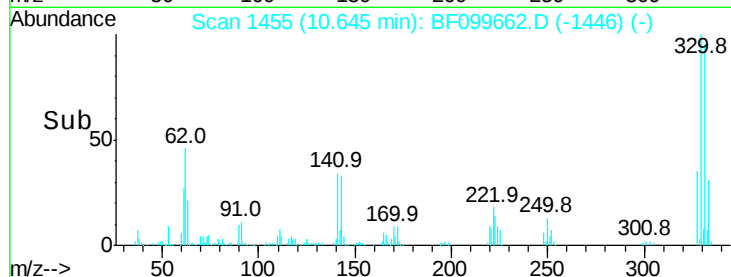
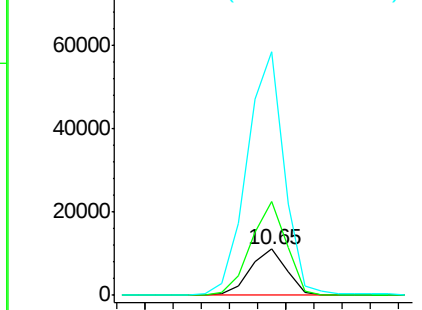
#66
 4-Bromophenyl-phenylether
 Concen: 3.278 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. -0.25 min
 Lab File: BF099662.D
 Acq: 19 Oct 2017 17:39

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	203.6	76.9	115.3#
141	530.0	74.4	111.6#

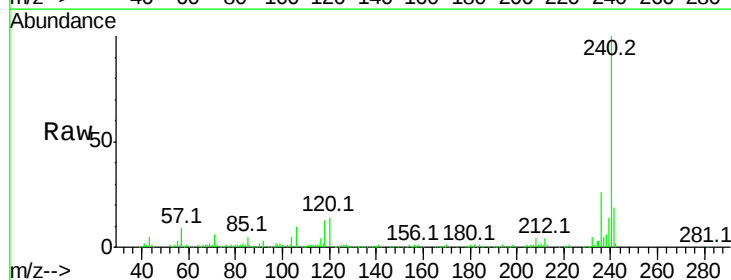


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

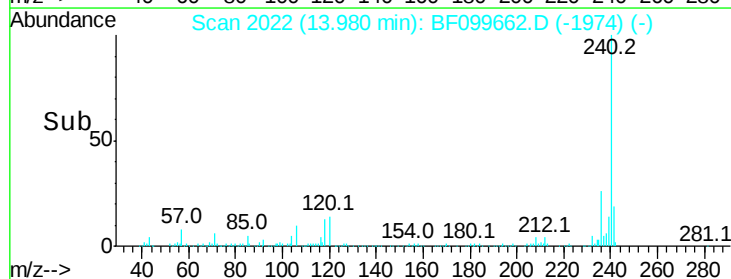
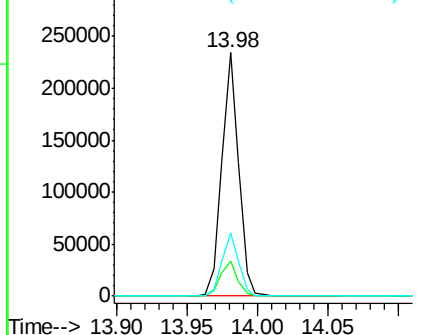


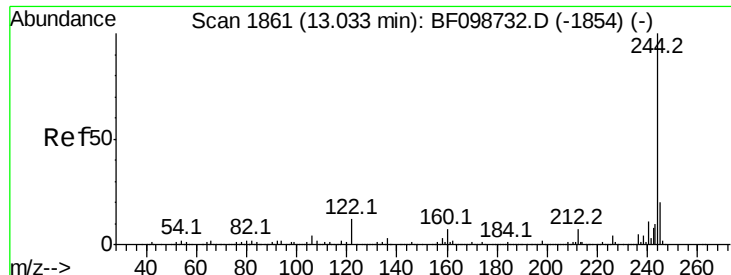
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.02 min
 Lab File: BF099662.D
 Acq: 19 Oct 2017 17:39

Tgt Ion	Ratio	Lower	Upper
240	100		
120	14.4	9.5	14.3#
236	26.0	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: 58.397 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.01 min

Lab File: BF099662.D

Acq: 19 Oct 2017 17:39

Instrument :

BNA_F

ClientSampleId :

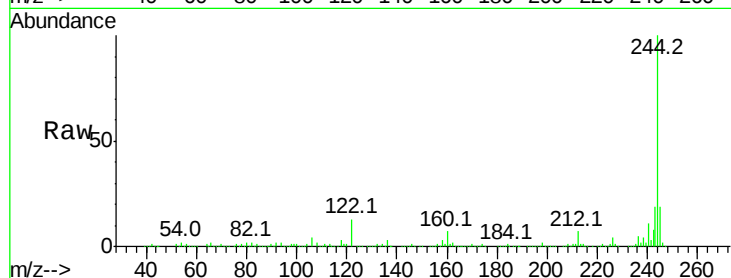
Tot Ion:244 Resp: 499647

Ion Ratio Lower Upper

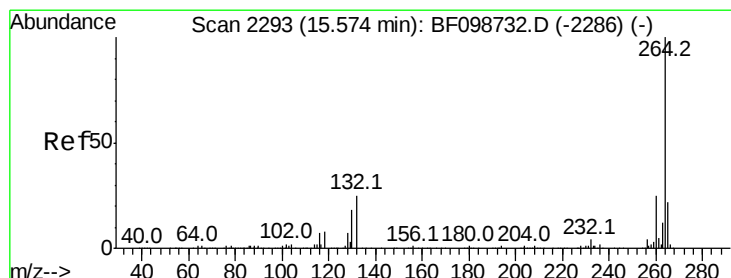
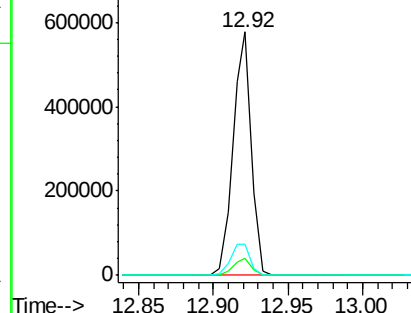
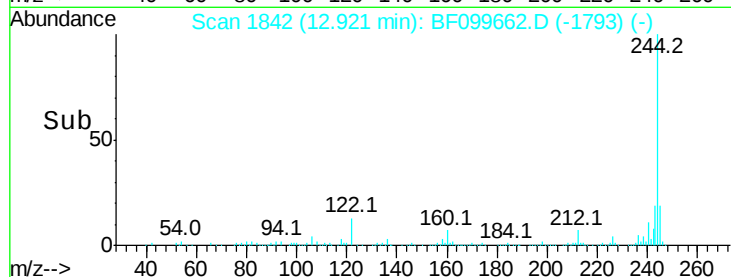
244 100

212 6.9 5.4 8.0

122 13.0 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. -0.02 min

Lab File: BF099662.D

Acq: 19 Oct 2017 17:39

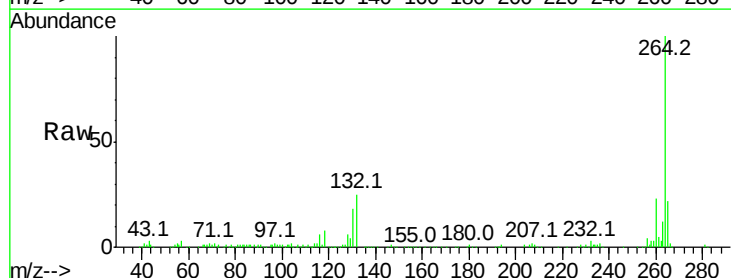
Tgt Ion:264 Resp: 151719

Ion Ratio Lower Upper

264 100

260 23.0 19.2 28.8

265 22.1 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

