

Data Path : Z:\HPCHEM1\BNA F\DATA\BF101717\
 Data File : BF099588.D
 Acq On : 17 Oct 2017 18:33
 Operator : SJ/JU
 Sample : I5794-10
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 17 22:52:59 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 17 17:32:20 2017
 Response via : Initial Calibration

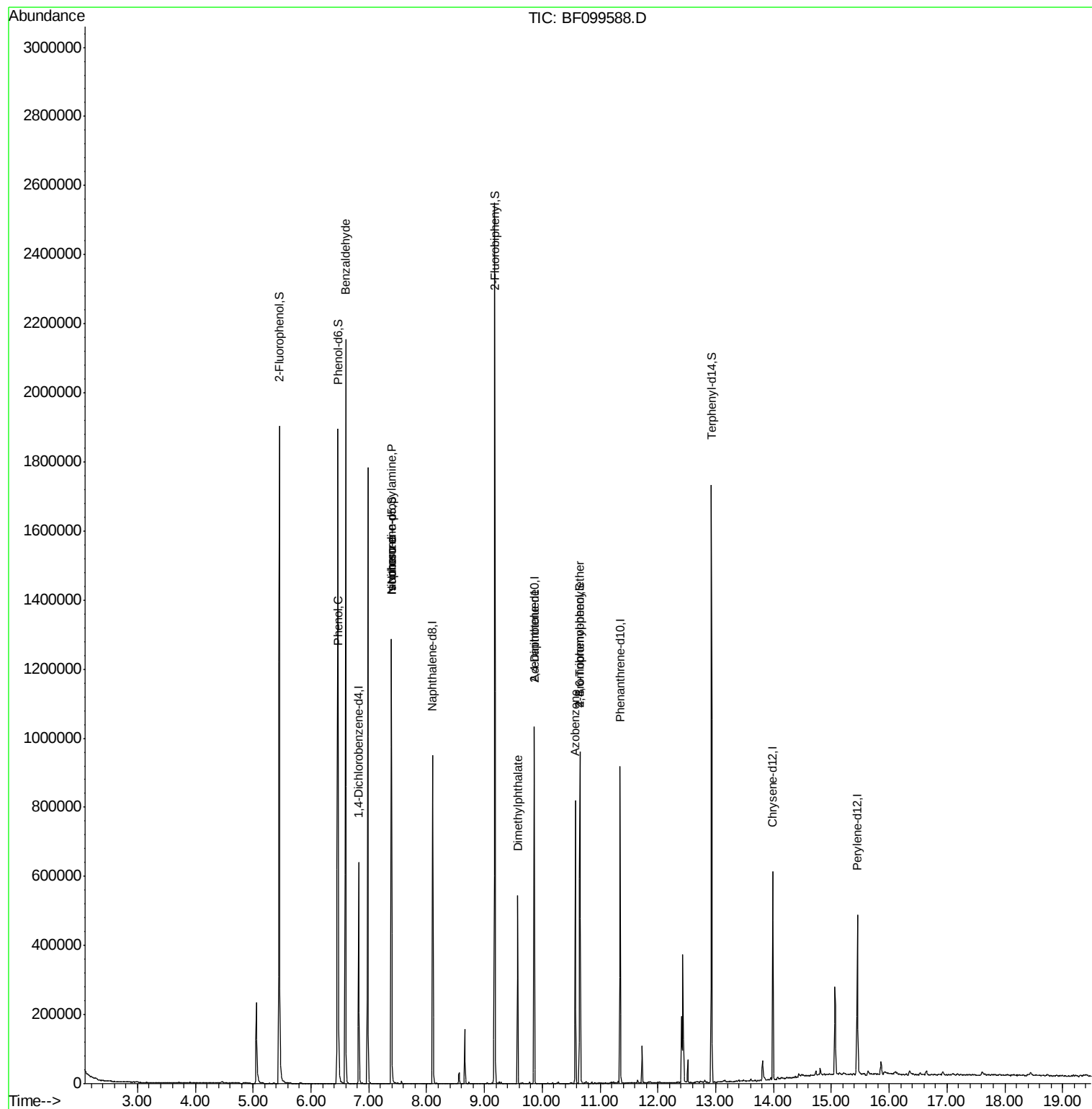
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	108106	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	448342	20.00	ng	0.00
38) Acenaphthene-d10	9.86	164	199083	20.00	ng	0.00
63) Phenanthrene-d10	11.35	188	324023	20.00	ng	0.00
75) Chrysene-d12	13.99	240	188960	20.00	ng	-0.01
86) Perylene-d12	15.45	264	190492	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	595951	87.76	ng	0.00
7) Phenol-d6	6.46	99	729887	87.13	ng	0.00
23) Nitrobenzene-d5	7.39	82	409531	58.58	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	101153	62.09	ng	0.00
44) 2-Fluorobiphenyl	9.18	172	789072	66.17	ng	0.00
78) Terphenyl-d14	12.93	244	520414	62.63	ng	0.00
Target Compounds						
9) Benzaldehyde	6.60	77	11214	2.31	ng	Qvalue 88
10) Phenol	6.47	94	46247	4.94	ng	96
19) n-Nitroso-di-n-propylamine	7.39	70	51877	9.70	ng	# 74
25) Isophorone	7.39	82	409531	28.33	ng	# 64
49) Dimethylphthalate	9.57	163	202303	13.46	ng	100
56) 2,4-Dinitrotoluene	9.86	165	25587	6.03	ng	# 22
62) Azobenzene	10.57	77	132987	9.85	ng	# 1
66) 4-Bromophenyl-phenylether	10.65	248	6974	2.20	ng	# 1

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

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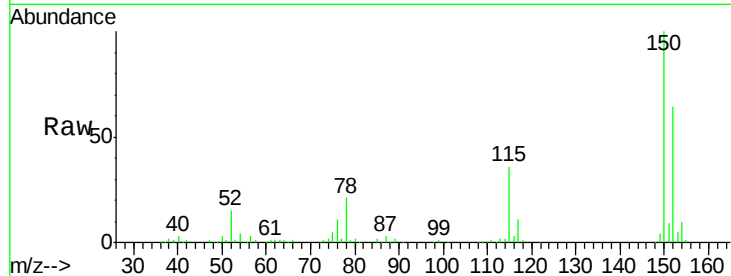


#1

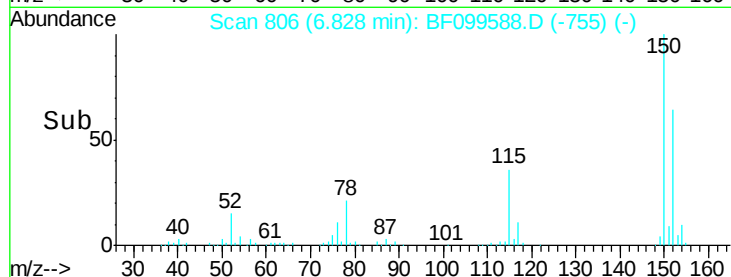
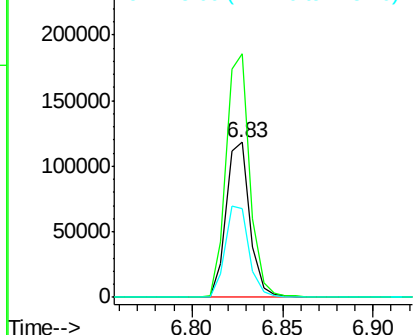
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.83 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: BF099588.D
 Acq: 17 Oct 2017 18:33

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.9	124.6	186.8
115	56.8	50.1	75.1



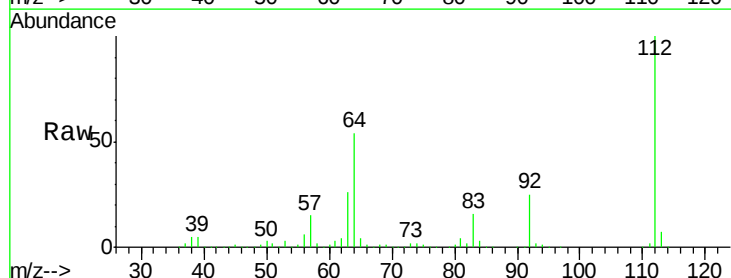
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



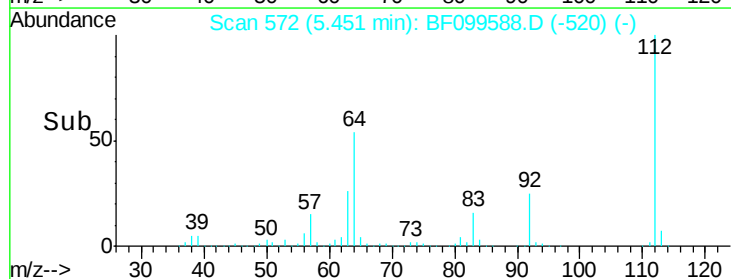
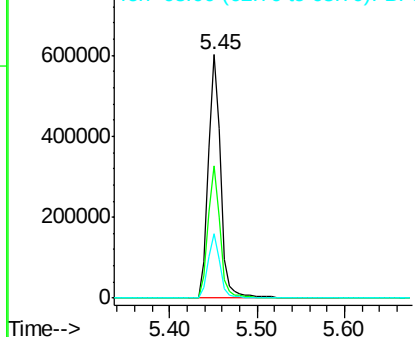
#5

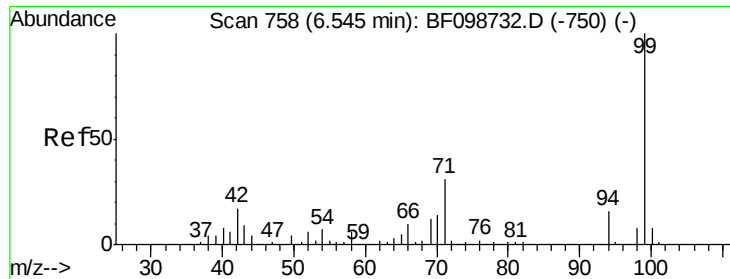
2-Fluorophenol
 Concen: 87.76 ng
 RT: 5.45 min Scan# 572
 Delta R.T. 0.01 min
 Lab File: BF099588.D
 Acq: 17 Oct 2017 18:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.5	47.9	71.9
63	26.2	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: 87.13 ng

RT: 6.46 min Scan# 744

Delta R.T. -0.01 min

Lab File: BF099588.D

Acq: 17 Oct 2017 18:33

Instrument :

BNA_F

ClientSampled :

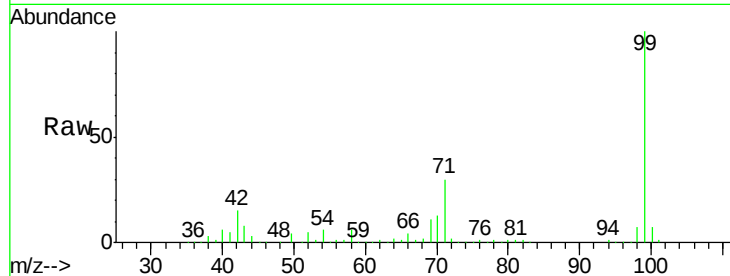
Tot Ion: 99 Resp: 729887

Ion Ratio Lower Upper

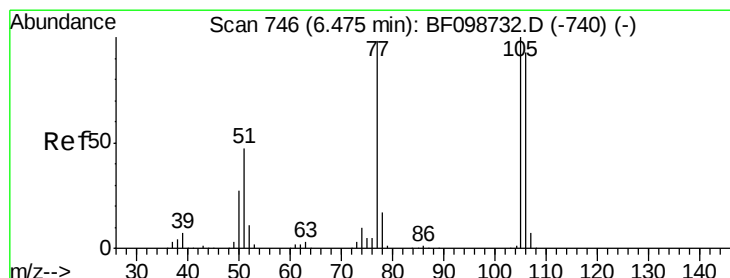
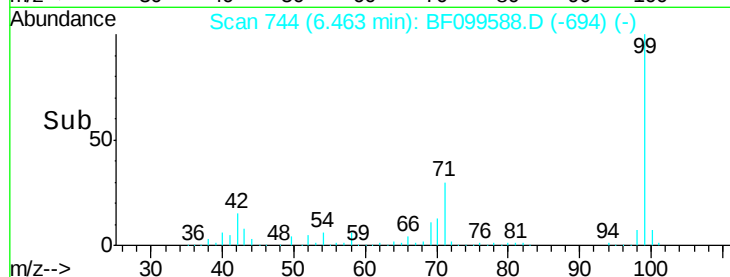
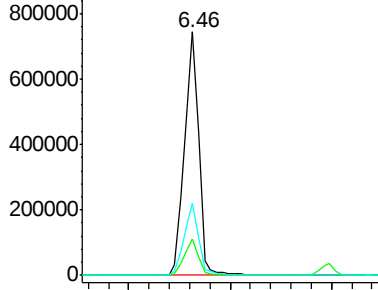
99 100

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: 2.31 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.21 min

Lab File: BF099588.D

Acq: 17 Oct 2017 18:33

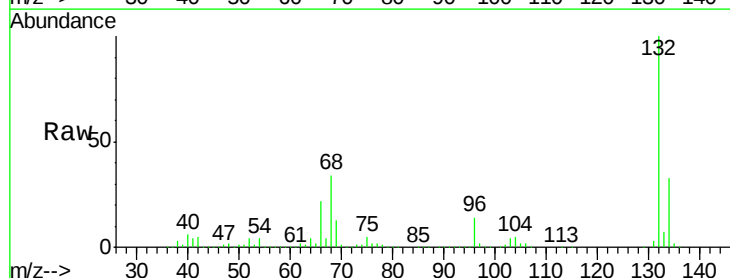
Tgt Ion: 77 Resp: 11214

Ion Ratio Lower Upper

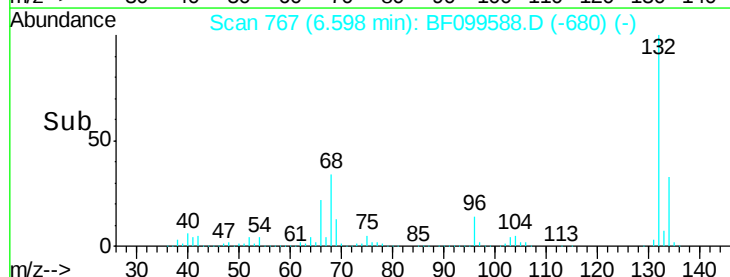
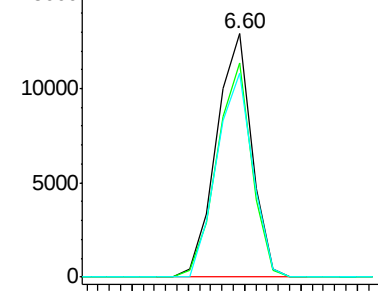
77 100

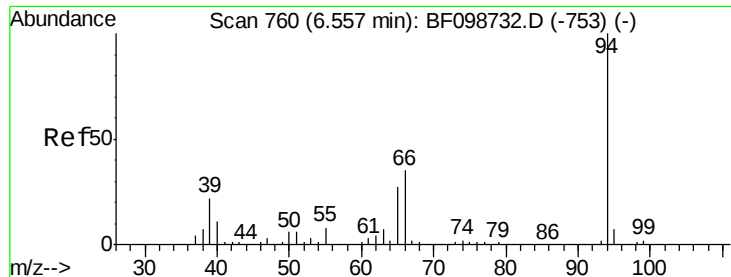
105 87.9 81.1 121.1

106 83.6 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: 4.94 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF099588.D

Acq: 17 Oct 2017 18:33

Instrument :

BNA_F

ClientSampleId :

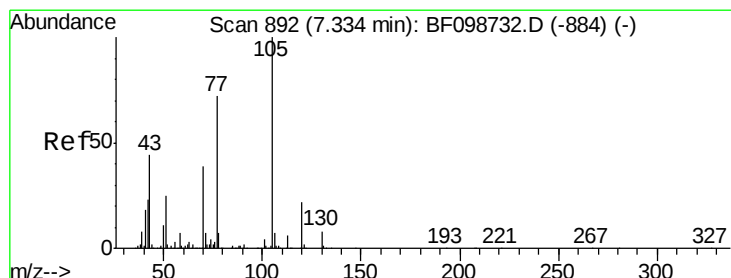
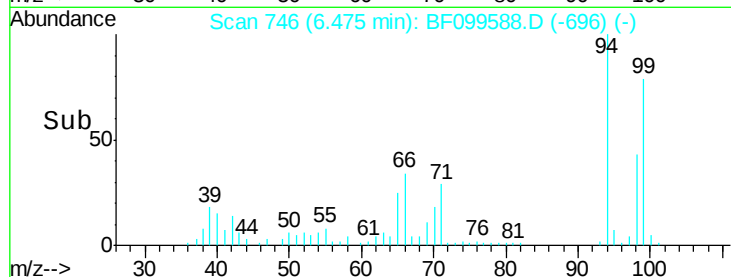
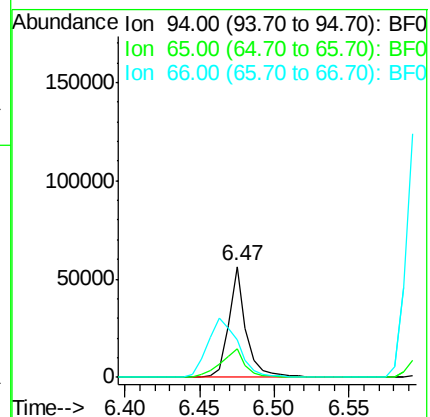
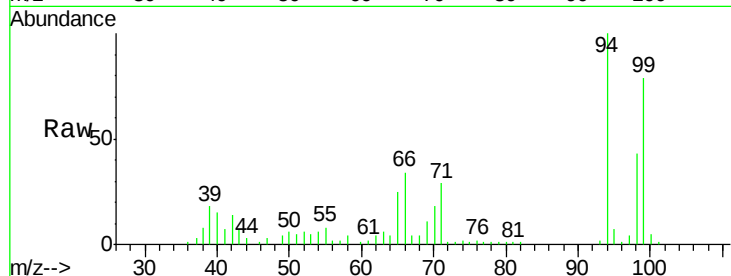
Tot Ion: 94 Resp: 46247

Ion Ratio Lower Upper

94 100

65 25.3 7.9 47.9

66 34.1 16.2 56.2



#19

n-Nitroso-di-n-propylamine

Concen: 9.70 ng

RT: 7.39 min Scan# 902

Delta R.T. 0.15 min

Lab File: BF099588.D

Acq: 17 Oct 2017 18:33

Tgt Ion: 70 Resp: 51877

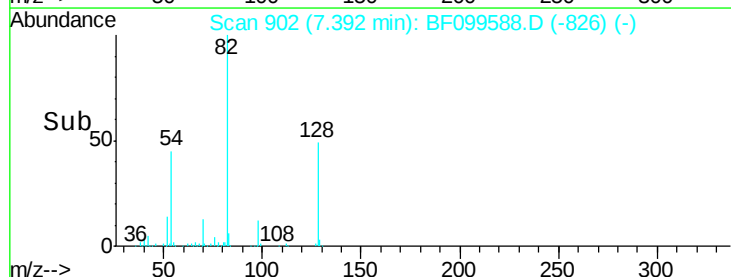
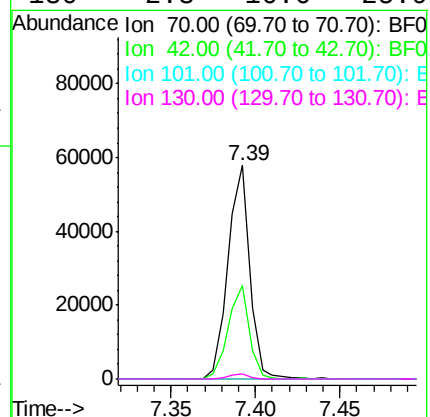
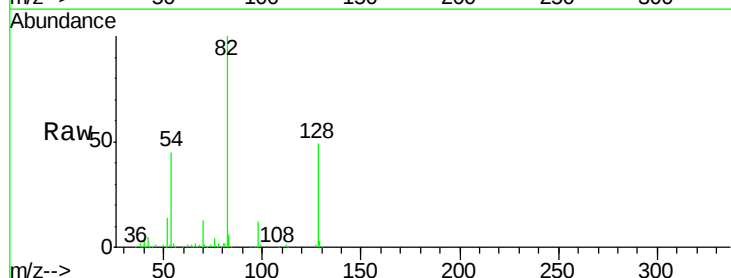
Ion Ratio Lower Upper

70 100

42 43.7 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

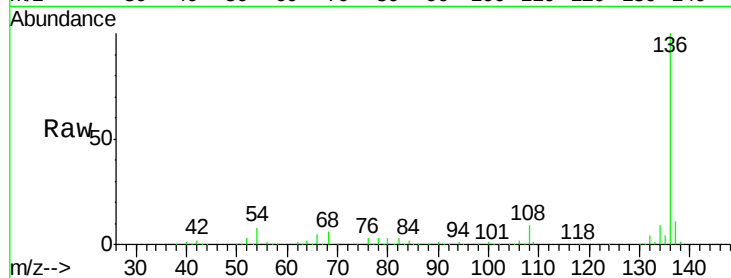




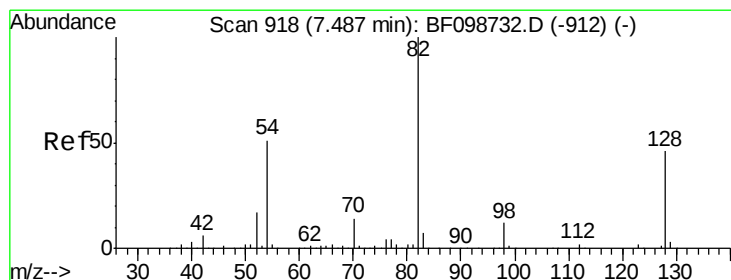
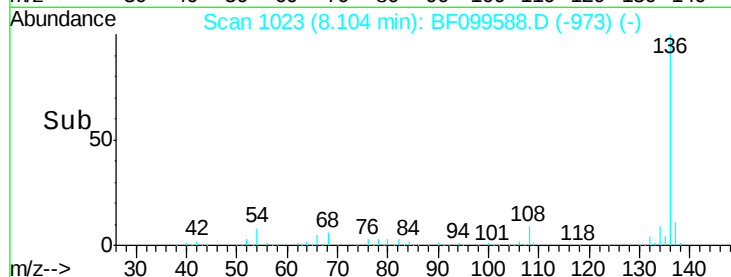
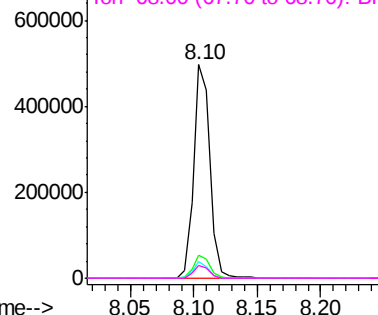
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 1023
Delta R.T. -0.01 min
Lab File: BF099588.D
Acq: 17 Oct 2017 18:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	448342
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.9 13.3
54	7.5	6.6 9.8
68	6.1	5.0 7.4

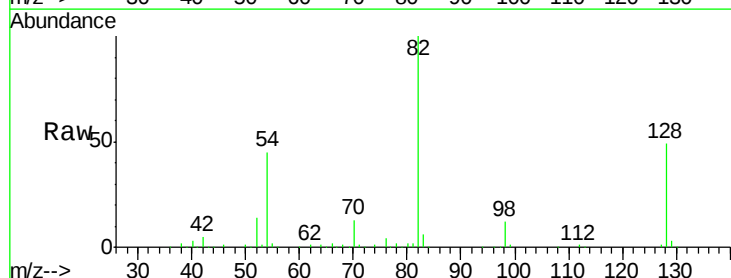


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

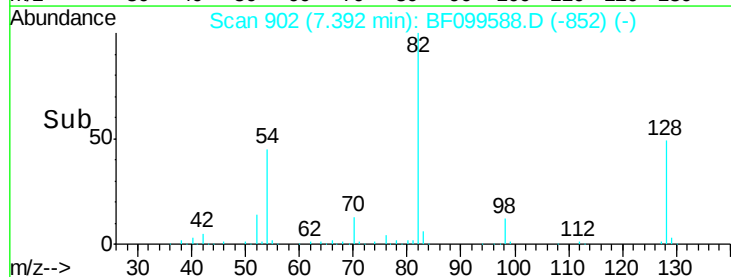
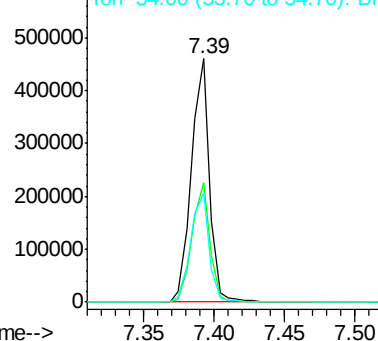


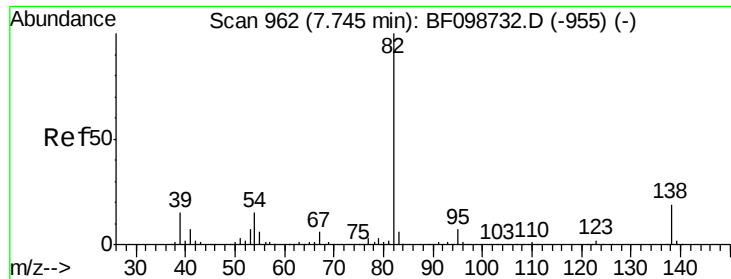
#23
Nitrobenzene-d5
Concen: 58.58 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF099588.D
Acq: 17 Oct 2017 18:33

Tgt Ion: 82	Resp:	409531
Ion Ratio	Lower	Upper
82	100	
128	49.3	36.1 54.1
54	44.9	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

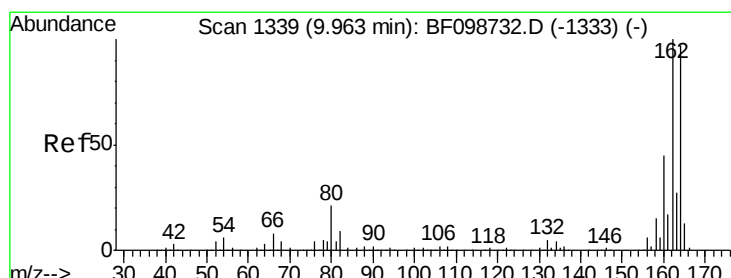
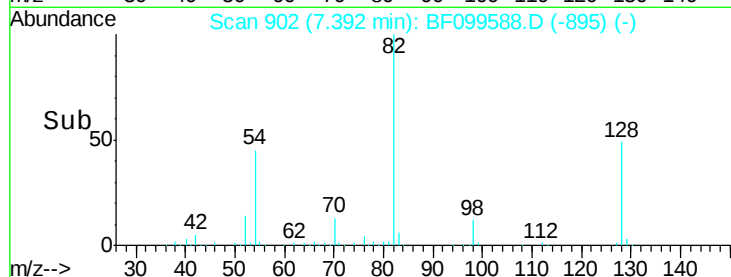
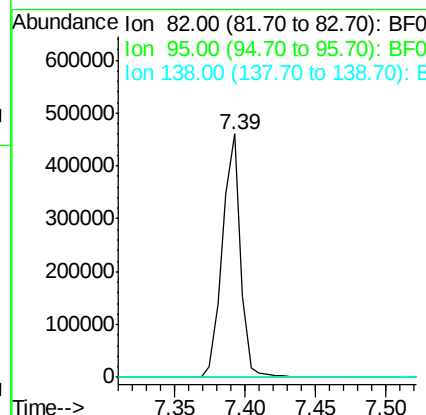
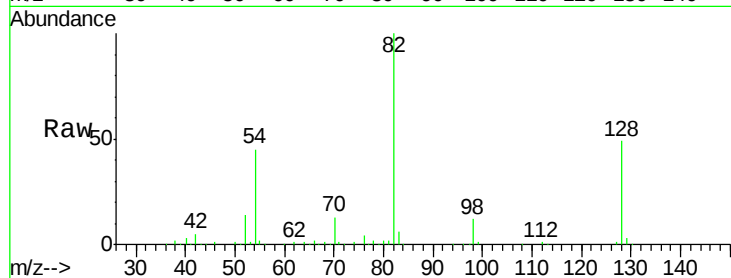




#25
Isophorone
Concen: 28.33 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.26 min
Lab File: BF099588.D
Acq: 17 Oct 2017 18:33

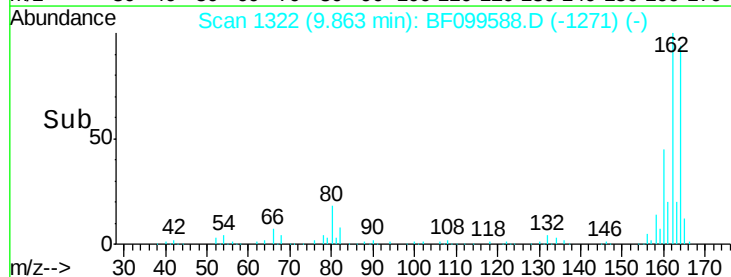
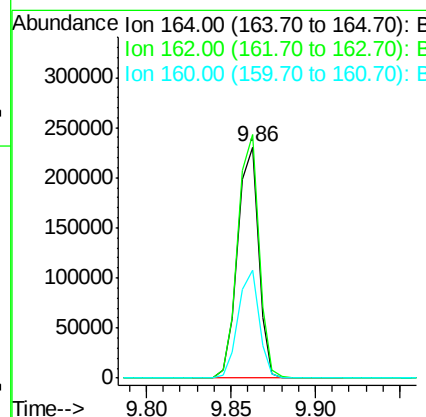
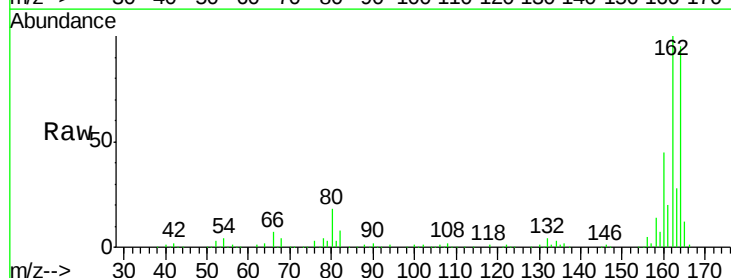
Instrument :
BNA_F
ClientSampleId :

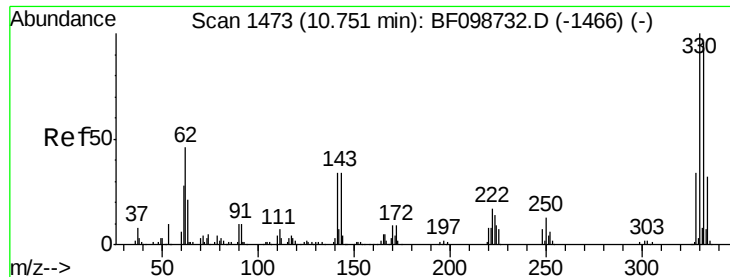
Tot Ion: 82 Resp: 409531
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.86 min Scan# 1322
Delta R.T. -0.00 min
Lab File: BF099588.D
Acq: 17 Oct 2017 18:33

Tgt Ion:164 Resp: 199083
Ion Ratio Lower Upper
164 100
162 105.4 86.1 129.1
160 47.0 38.3 57.5

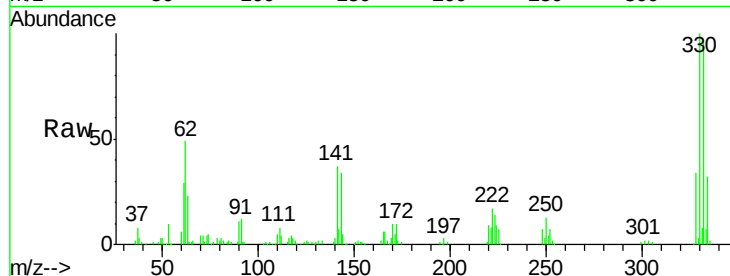




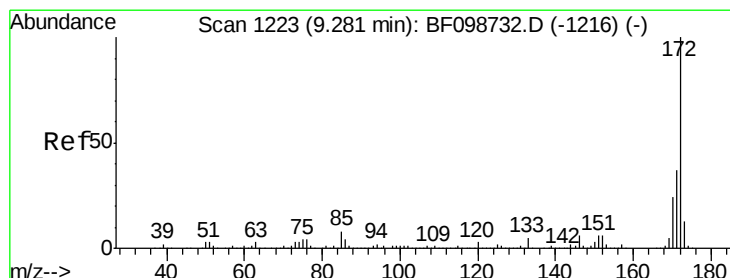
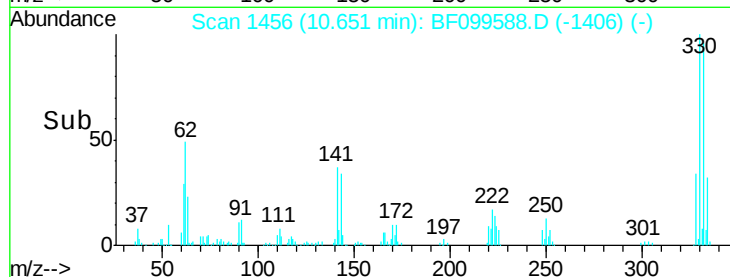
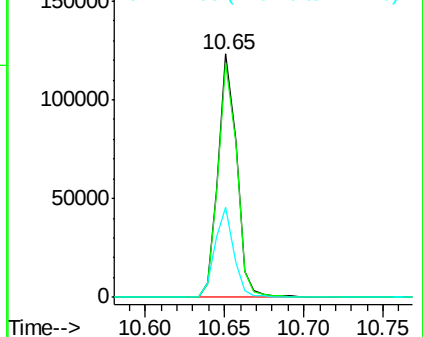
#41
 2,4,6-Tribromophenol
 Concen: 62.09 ng
 RT: 10.65 min Scan# 1456
 Delta R.T. -0.01 min
 Lab File: BF099588.D
 Acq: 17 Oct 2017 18:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.6
141	37.3	29.9	44.9

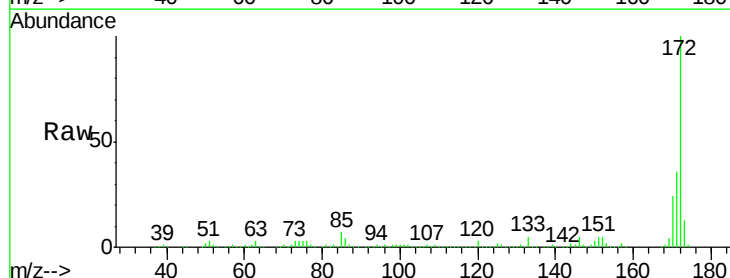


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

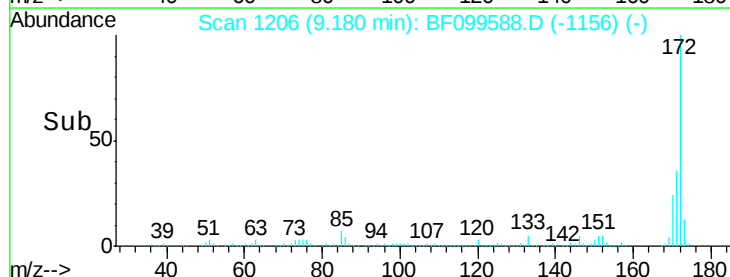
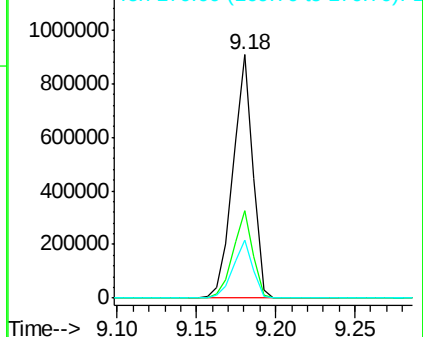


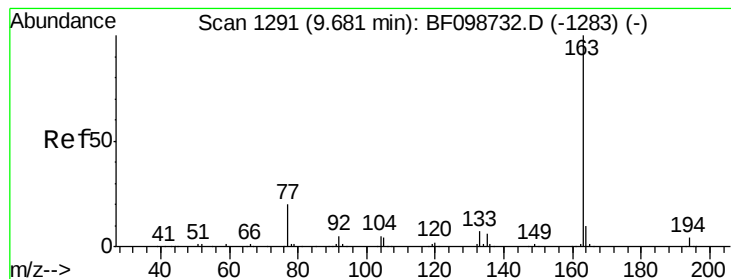
#44
 2-Fluorobiphenyl
 Concen: 66.17 ng
 RT: 9.18 min Scan# 1206
 Delta R.T. -0.01 min
 Lab File: BF099588.D
 Acq: 17 Oct 2017 18:33

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	23.9	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: 13.46 ng

RT: 9.57 min Scan# 1273

Delta R.T. -0.01 min

Lab File: BF099588.D

Acq: 17 Oct 2017 18:33

Instrument :

BNA_F

ClientSampleId :

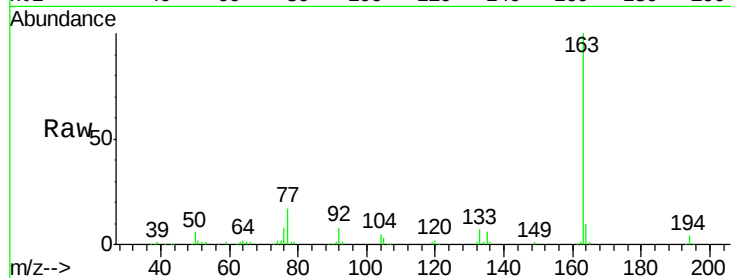
Tot Ion:163 Resp: 202303

Ion Ratio Lower Upper

163 100

194 3.5 2.7 4.1

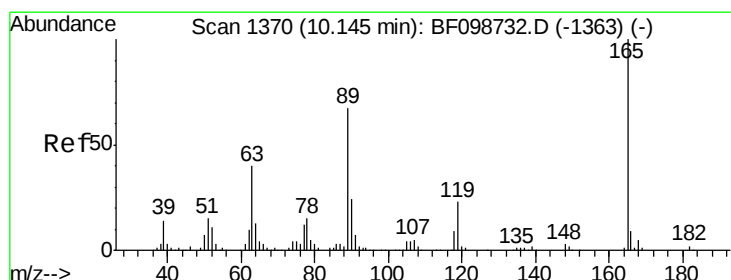
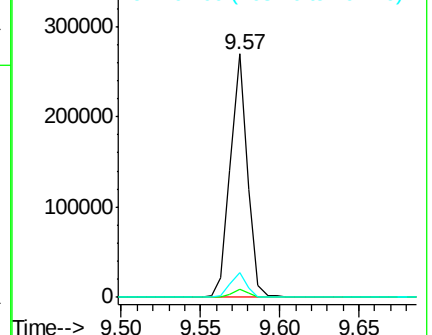
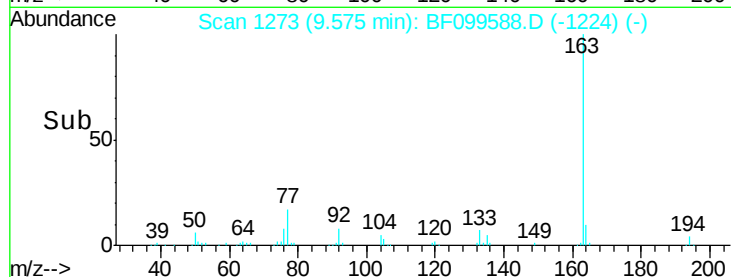
164 10.1 8.2 12.2



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: 6.03 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.20 min

Lab File: BF099588.D

Acq: 17 Oct 2017 18:33

Tgt Ion:165 Resp: 25587

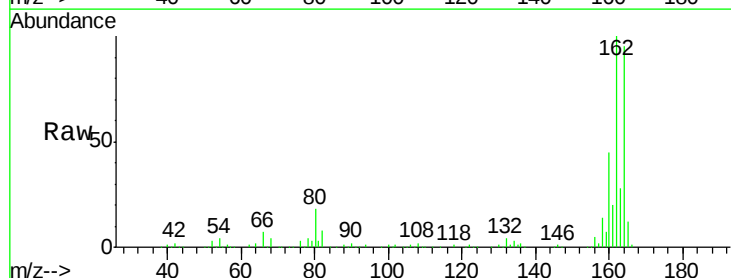
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 1.5 57.8 86.6#

182 0.0 1.6 2.4#

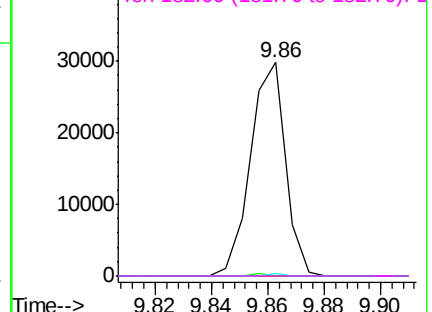
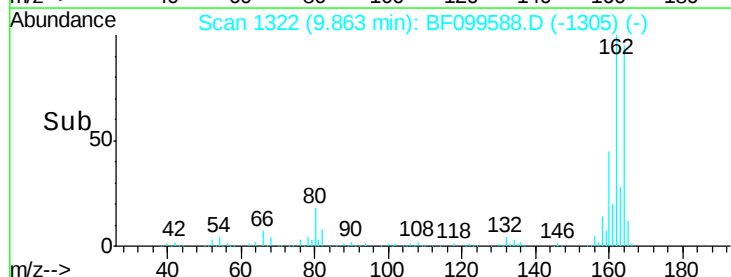


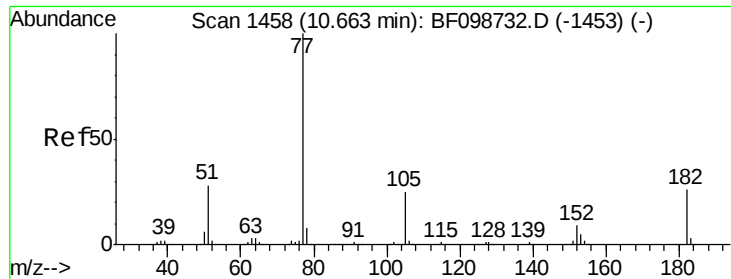
Abundance Ion 165.00 (164.70 to 165.70): E

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: 9.85 ng

RT: 10.57 min Scan# 1443

Delta R.T. 0.01 min

Lab File: BF099588.D

Acq: 17 Oct 2017 18:33

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 77 Resp: 132987

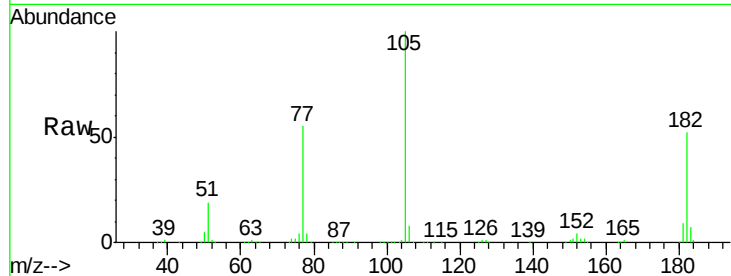
Ion Ratio Lower Upper

77 100

182 95.1 1.7 41.7#

105 181.2 3.0 43.0#

51 34.3 9.9 49.9

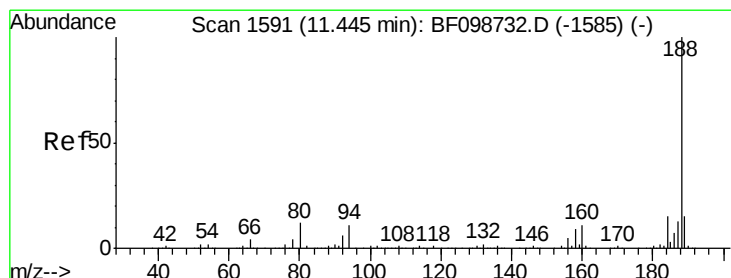
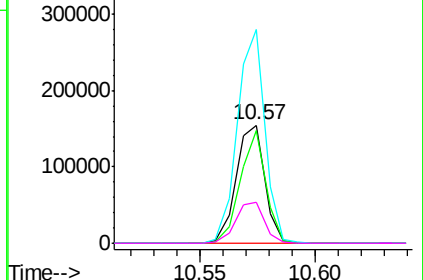
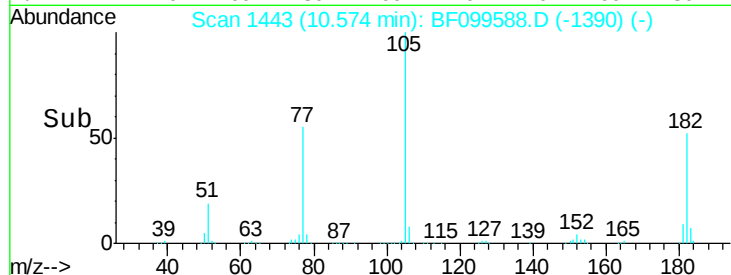


Abundance Ion 77.00 (76.70 to 77.70): BF0

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: 11.35 min Scan# 1574

Delta R.T. -0.01 min

Lab File: BF099588.D

Acq: 17 Oct 2017 18:33

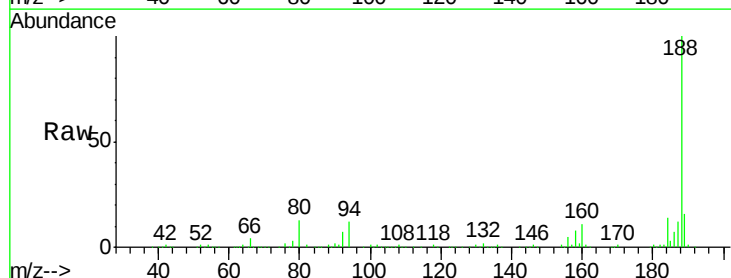
Tgt Ion: 188 Resp: 324023

Ion Ratio Lower Upper

188 100

94 11.7 8.5 12.7

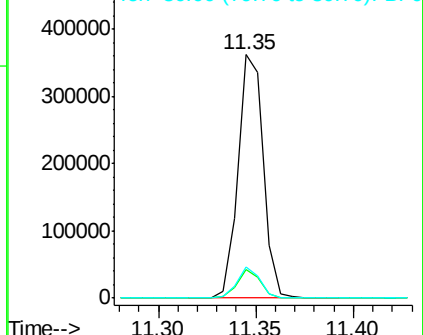
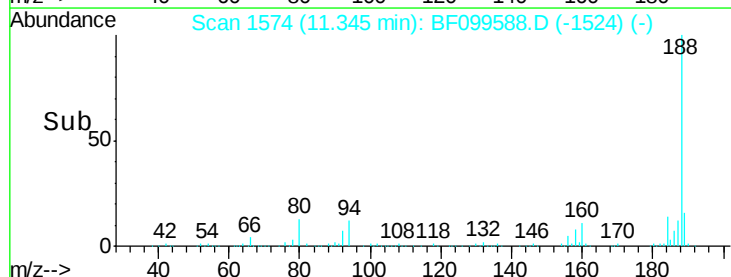
80 12.6 9.2 13.8

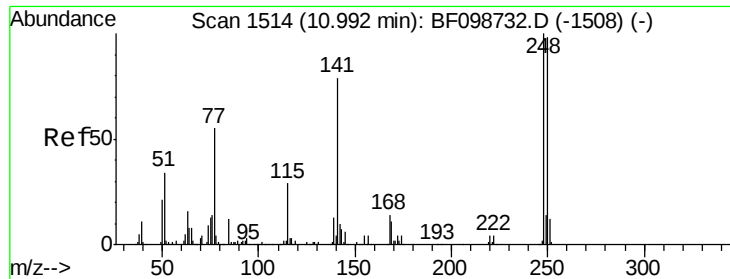


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

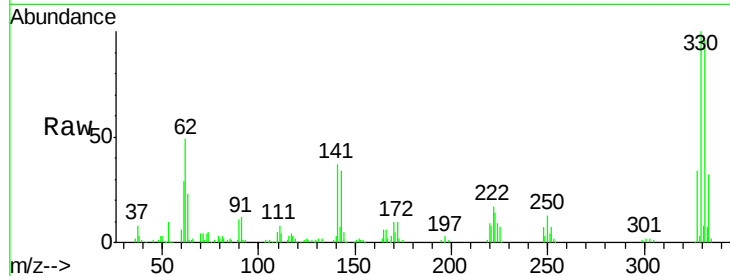




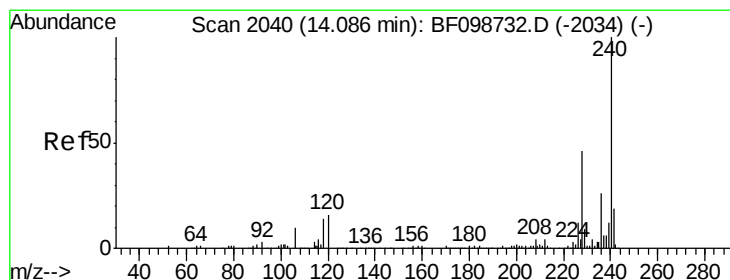
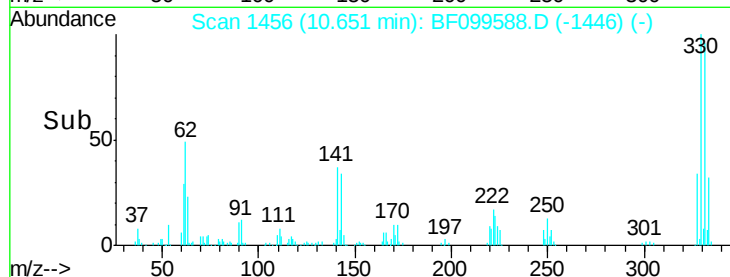
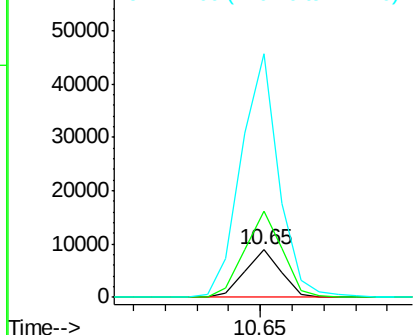
#66
4-Bromophenyl-phenylether
Concen: 2.20 ng
RT: 10.65 min Scan# 1456
Delta R.T. -0.24 min
Lab File: BF099588.D
Acq: 17 Oct 2017 18:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 6974
Ion Ratio Lower Upper
248 100
250 179.4 76.9 115.3#
141 510.1 74.4 111.6#

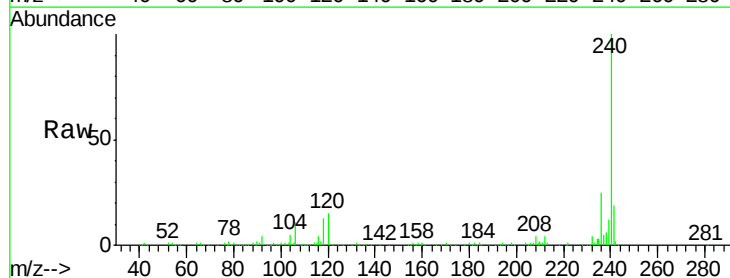


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

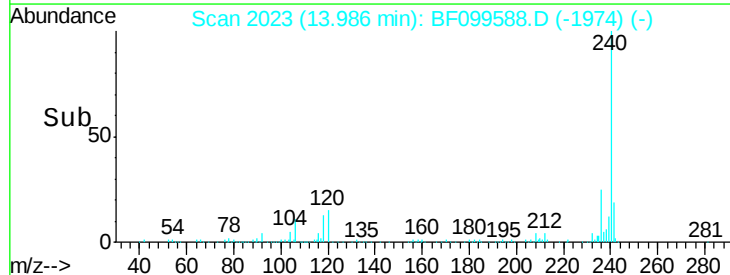
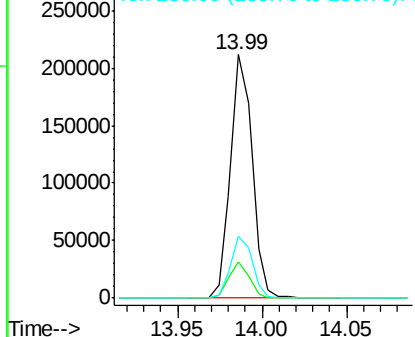


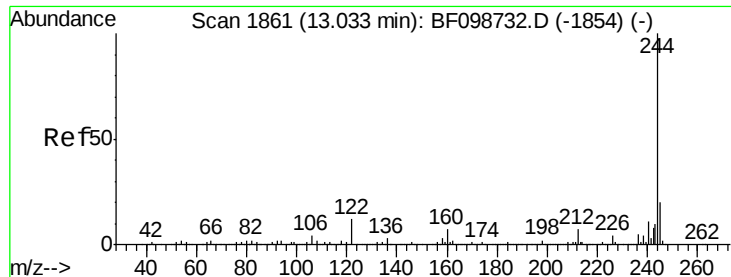
#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.01 min
Lab File: BF099588.D
Acq: 17 Oct 2017 18:33

Tgt Ion:240 Resp: 188960
Ion Ratio Lower Upper
240 100
120 15.0 9.5 14.3#
236 25.3 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: 62.63 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF099588.D

Acq: 17 Oct 2017 18:33

Instrument :

BNA_F

ClientSampleId :

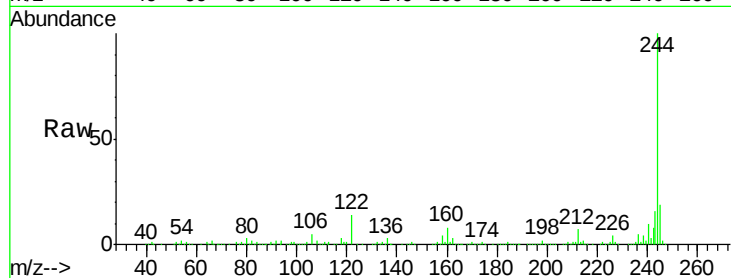
Tot Ion:244 Resp: 520414

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

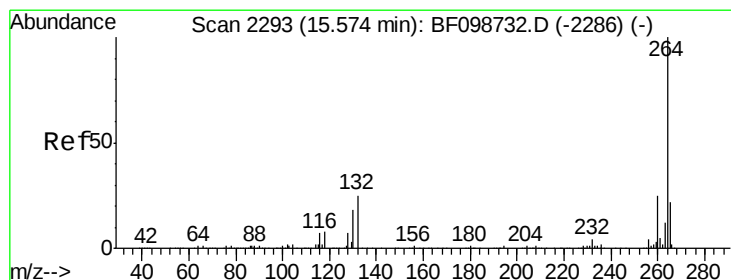
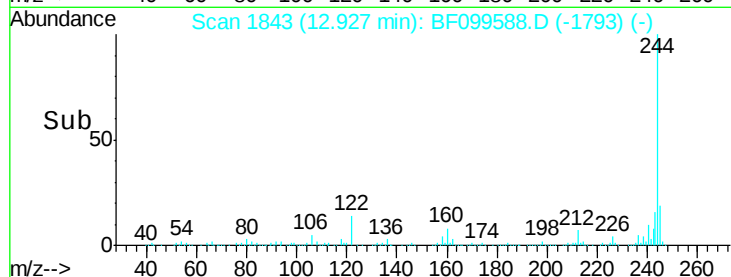
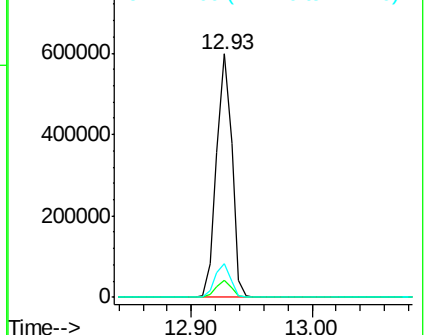
122 13.9 11.0 16.4



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: 20.00 ng

RT: 15.45 min Scan# 2272

Delta R.T. -0.00 min

Lab File: BF099588.D

Acq: 17 Oct 2017 18:33

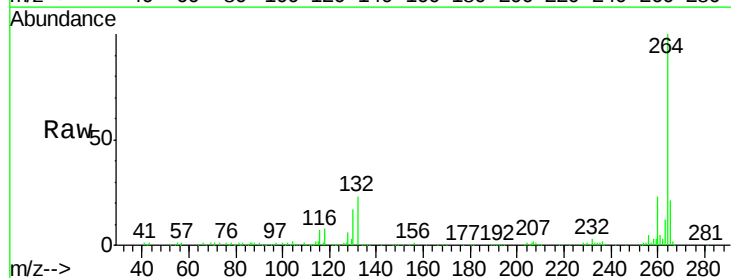
Tgt Ion:264 Resp: 190492

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 21.1 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

