

Data Path : Z:\HPCHEM1\BNA F\DATA\BF021617\
 Data File : BF092985.D
 Acq On : 16 Feb 2017 17:13
 Operator : SJ/MA
 Sample : PB96992BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB96992BL

Quant Time: Feb 16 18:06:31 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF013017.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 13 18:04:38 2017
 Response via : Initial Calibration

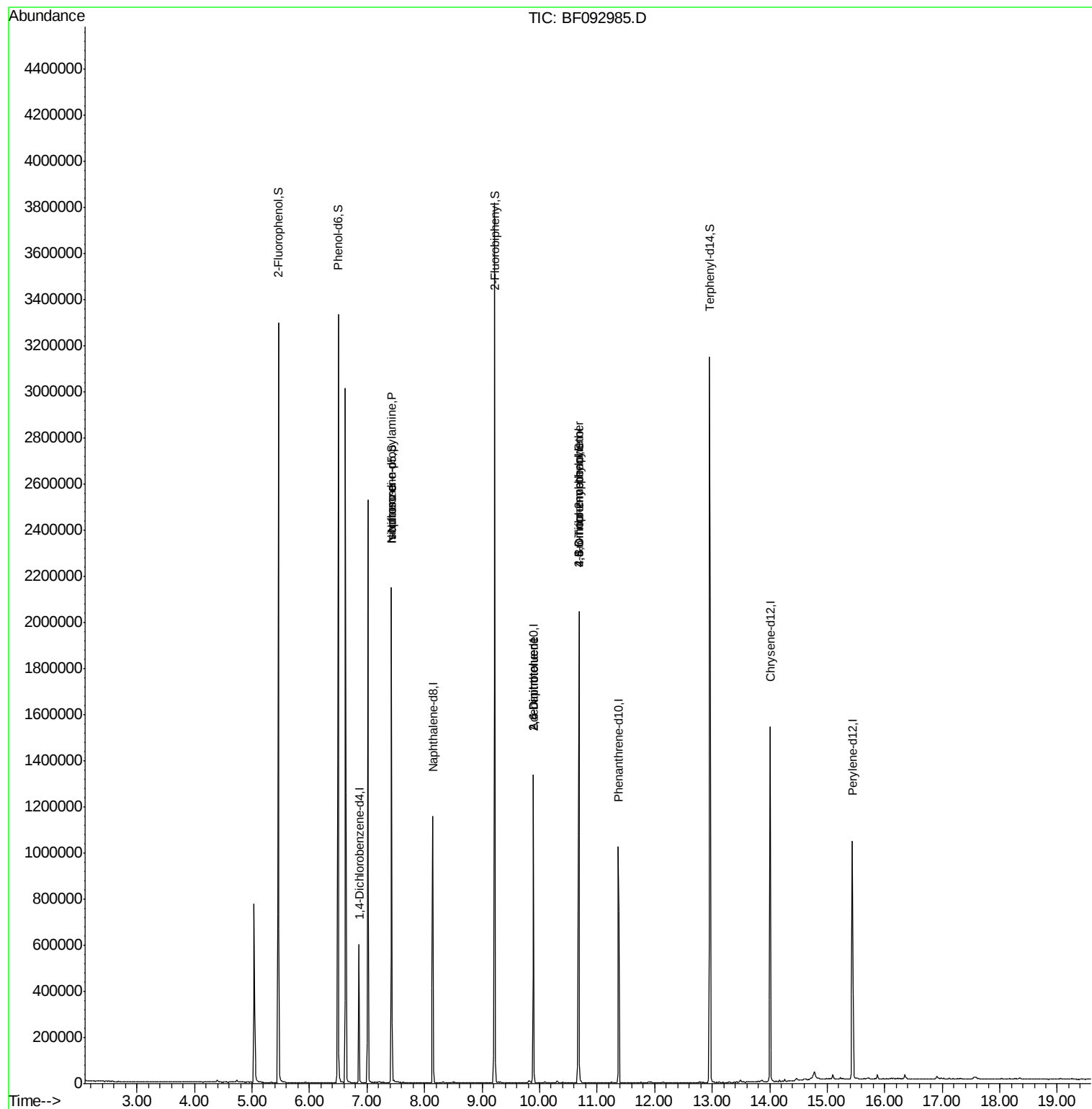
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	127896	20.00	ng	-0.02
21) Naphthalene-d8	8.14	136	548188	20.00	ng	-0.02
38) Acenaphthene-d10	9.89	164	305293	20.00	ng	-0.03
63) Phenanthrene-d10	11.37	188	498760	20.00	ng	-0.03
75) Chrysene-d12	14.01	240	502592	20.00	ng	-0.05
86) Perylene-d12	15.44	264	454238	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	905622	121.48	ng	-0.02
7) Phenol-d6	6.50	99	1178791	122.89	ng	-0.03
23) Nitrobenzene-d5	7.42	82	691177	70.21	ng	-0.03
41) 2,4,6-Tribromophenol	10.68	330	255848	115.87	ng	-0.03
44) 2-Fluorobiphenyl	9.22	172	1349527	80.08	ng	-0.02
78) Terphenyl-d14	12.96	244	1365052	63.82	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.42	70	91198	14.94	ng	# 82
25) Isophorone	7.42	82	559513	30.50	ng	# 65
50) 2,6-Dinitrotoluene	9.89	165	39306	8.85	ng	# 30
56) 2,4-Dinitrotoluene	9.89	165	39307	6.65	ng	# 19
64) 4,6-Dinitro-2-methylphenol	10.68	198	710	2.89	ng	# 1
66) 4-Bromophenyl-phenylether	10.68	248	19462	3.73	ng	# 1

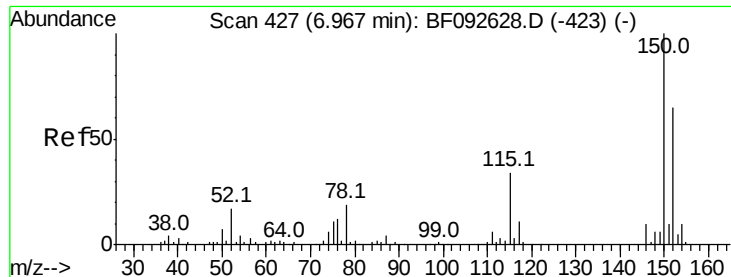
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.86 min Scan# 418

Delta R.T. -0.02 min

Lab File: BF092985.D

Acq: 16 Feb 2017 17:13

Instrument :

BNA_F

ClientSampleId :

PB96992BL

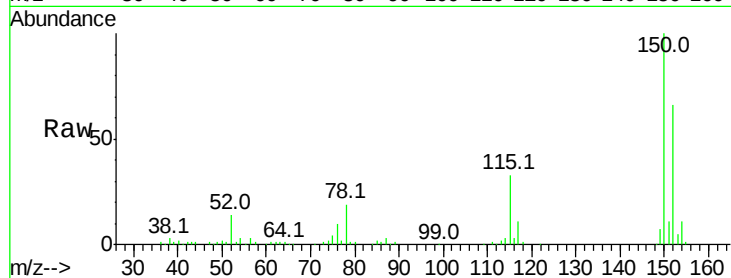
Tot Ion:152 Resp: 127896

Ion Ratio Lower Upper

152 100

150 151.1 124.9 187.3

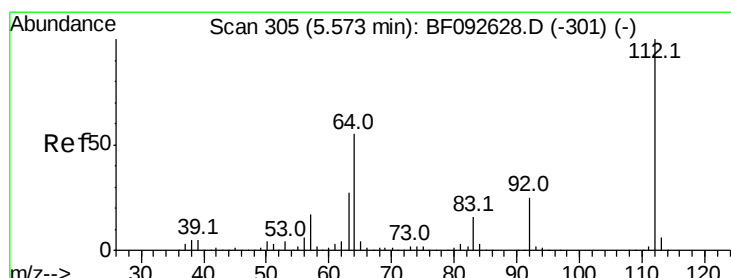
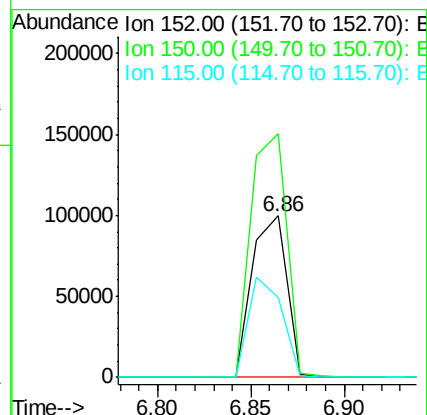
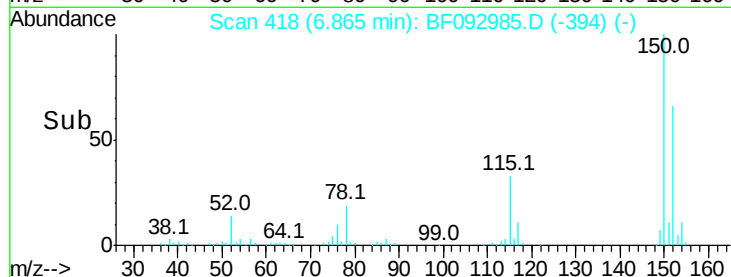
115 49.1 46.0 69.0



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: 121.48 ng

RT: 5.46 min Scan# 295

Delta R.T. -0.02 min

Lab File: BF092985.D

Acq: 16 Feb 2017 17:13

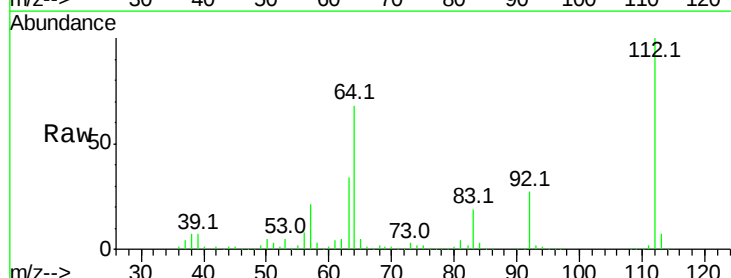
Tgt Ion:112 Resp: 905622

Ion Ratio Lower Upper

112 100

64 68.3 46.1 69.1

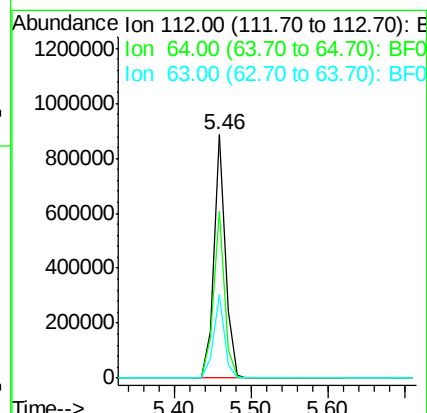
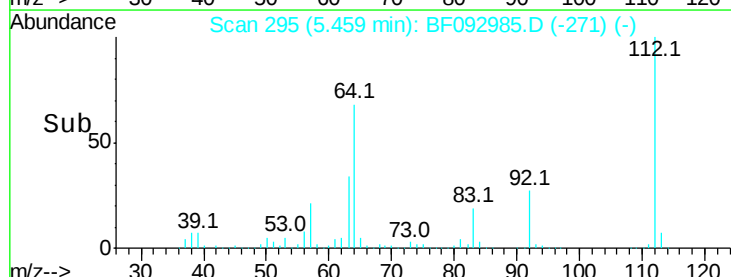
63 34.2 23.8 35.6

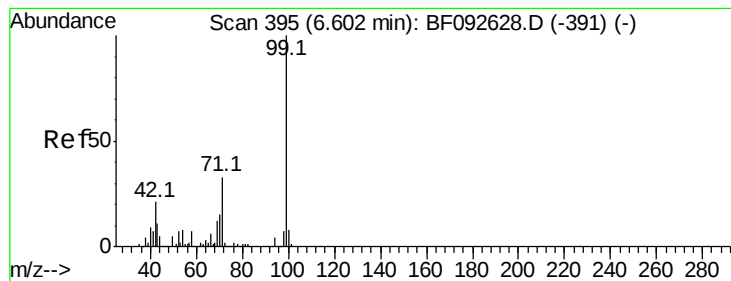


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 122.89 ng

RT: 6.50 min Scan# 386

Delta R.T. -0.03 min

Lab File: BF092985.D

Acq: 16 Feb 2017 17:13

Instrument :

BNA_F

ClientSampleId :

PB96992BL

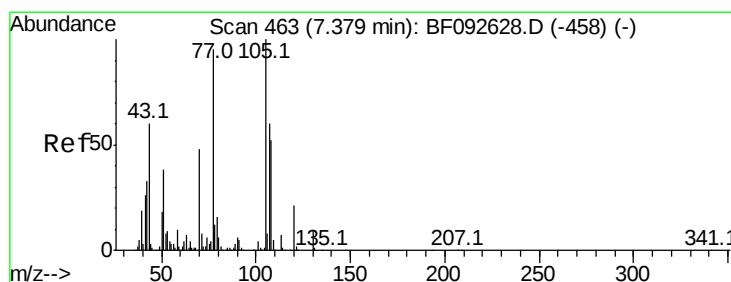
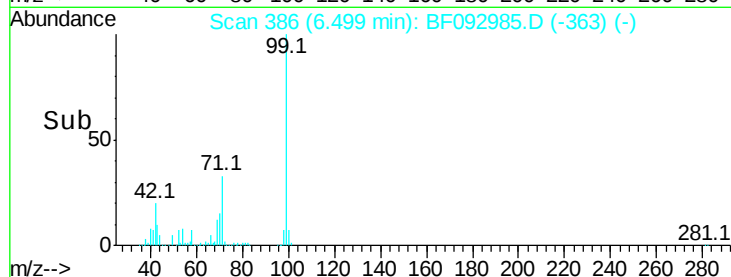
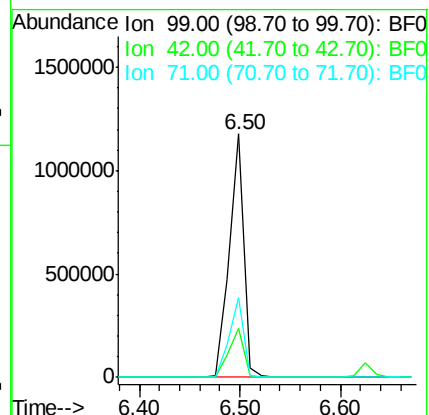
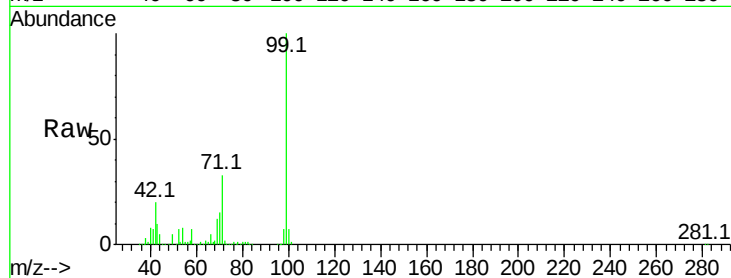
Tot Ion: 99 Resp: 1178791

Ion Ratio Lower Upper

99 100

42 19.9 15.6 23.4

71 32.7 27.5 41.3



#19

n-Nitroso-di-n-propylamine

Concen: 14.94 ng

RT: 7.42 min Scan# 467

Delta R.T. 0.11 min

Lab File: BF092985.D

Acq: 16 Feb 2017 17:13

Tgt Ion: 70 Resp: 91198

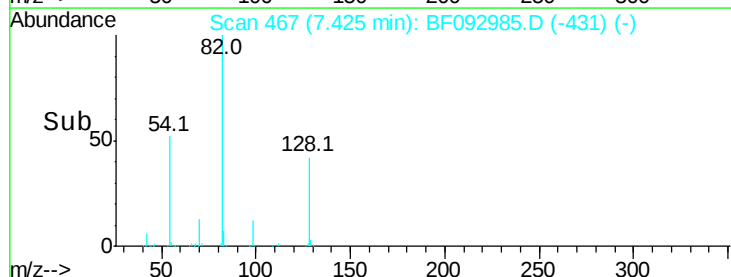
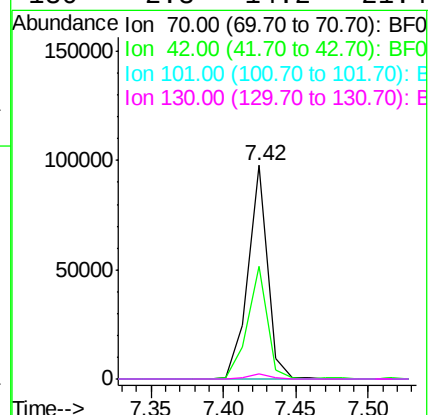
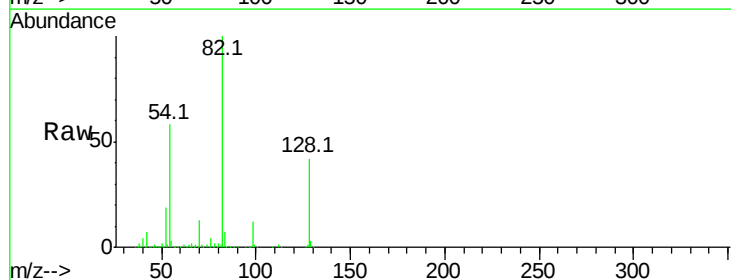
Ion Ratio Lower Upper

70 100

42 52.8 49.4 74.0

101 0.0 7.4 11.2#

130 2.3 14.2 21.4#

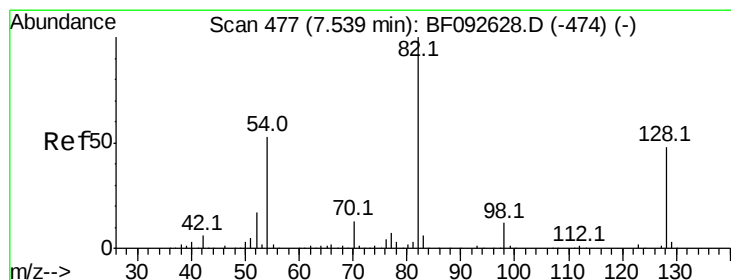
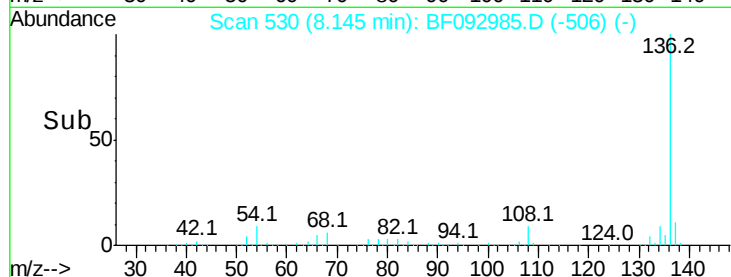
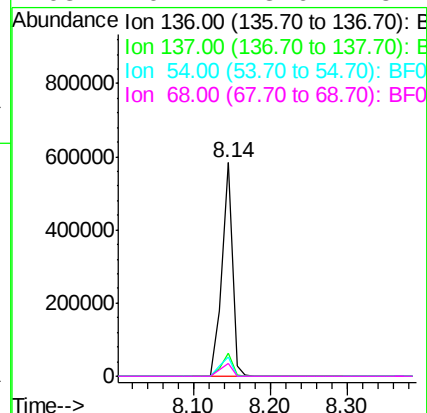
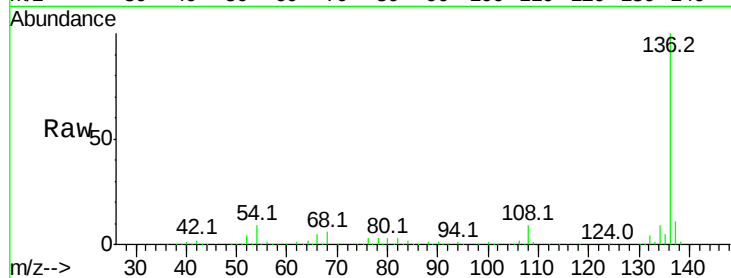




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.14 min Scan# 530
Delta R.T. -0.02 min
Lab File: BF092985.D
Acq: 16 Feb 2017 17:13

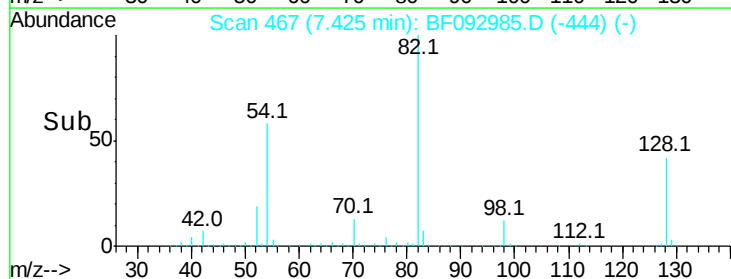
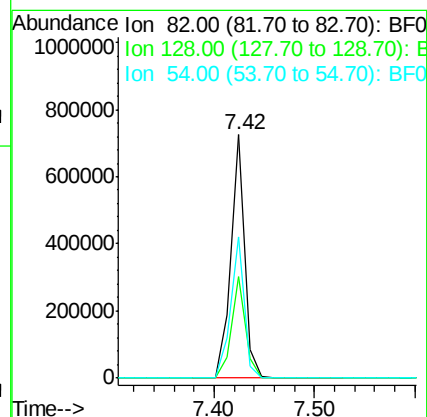
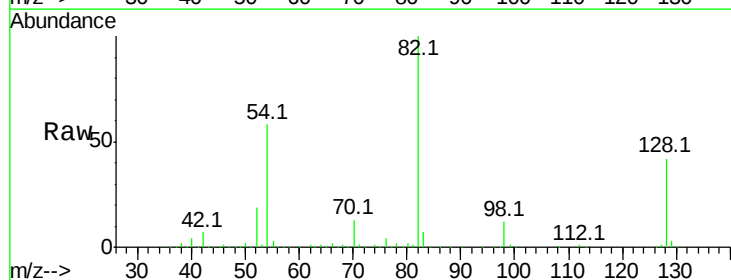
Instrument :
BNA_F
ClientSampleId :
PB96992BL

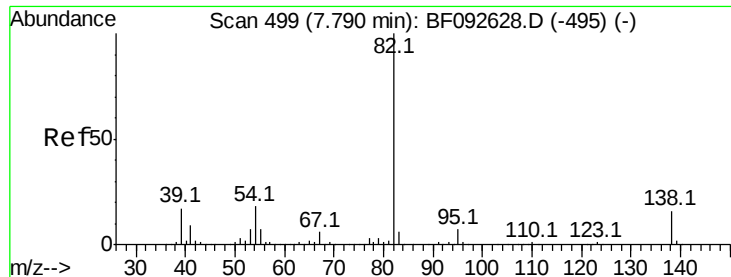
Tot Ion:	136	Resp:	548188
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.4	12.6
54	8.8	4.5	6.7#
68	6.2	3.6	5.4#



#23
Nitrobenzene-d5
Concen: 70.21 ng
RT: 7.42 min Scan# 467
Delta R.T. -0.03 min
Lab File: BF092985.D
Acq: 16 Feb 2017 17:13

Tgt Ion:	82	Resp:	691177
Ion	Ratio	Lower	Upper
82	100		
128	41.8	34.6	52.0
54	57.8	39.5	59.3





#25

Isophorone

Concen: 30.50 ng

RT: 7.42 min Scan# 467

Delta R.T. -0.29 min

Lab File: BF092985.D

Acq: 16 Feb 2017 17:13

Instrument :

BNA_F

ClientSampleID :

PB96992BL

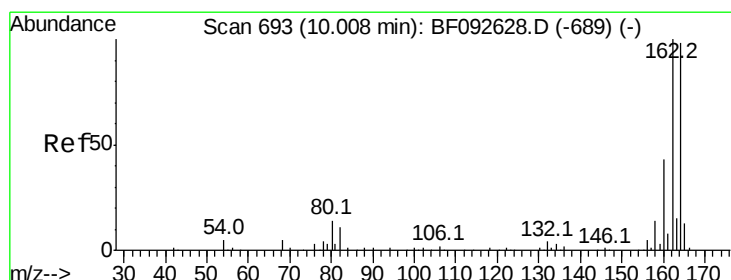
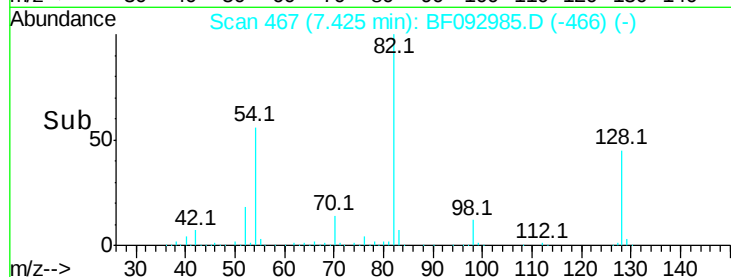
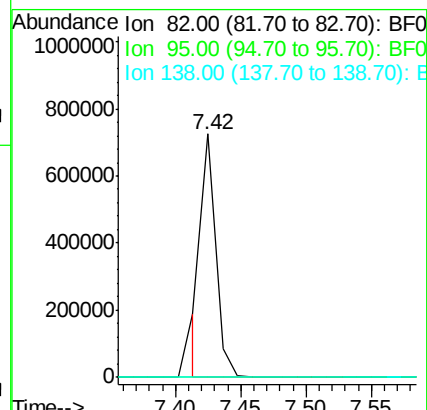
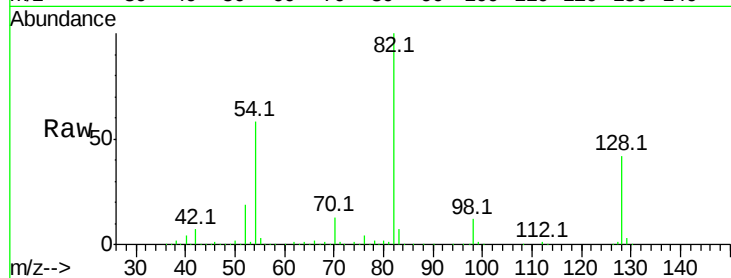
Tot Ion: 82 Resp: 559513

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 14.6 22.0#



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.89 min Scan# 683

Delta R.T. -0.03 min

Lab File: BF092985.D

Acq: 16 Feb 2017 17:13

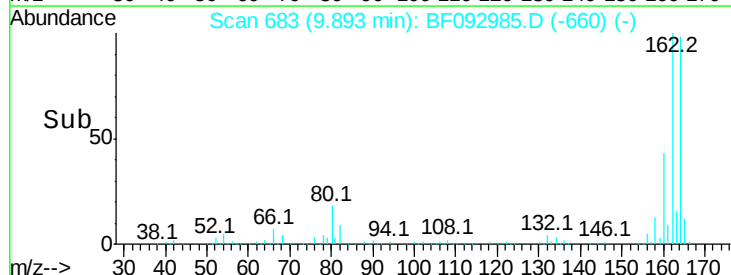
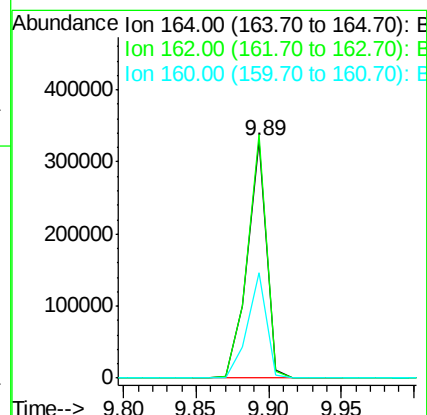
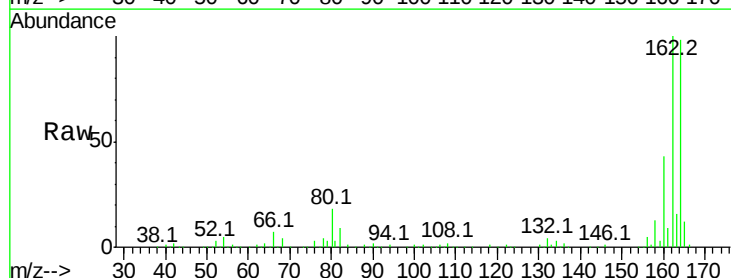
Tgt Ion:164 Resp: 305293

Ion Ratio Lower Upper

164 100

162 102.4 80.2 120.2

160 44.3 36.9 55.3

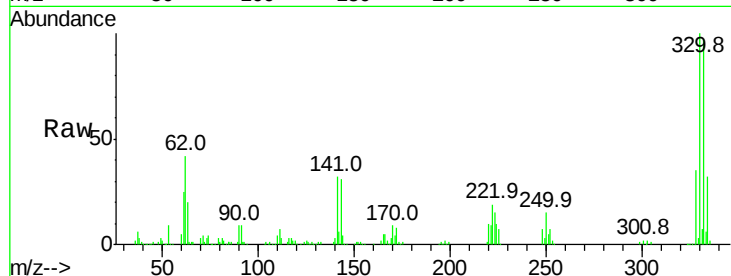




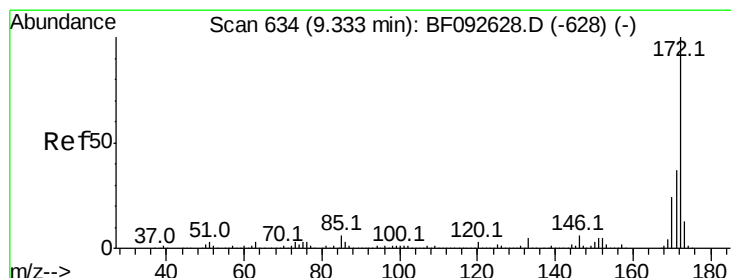
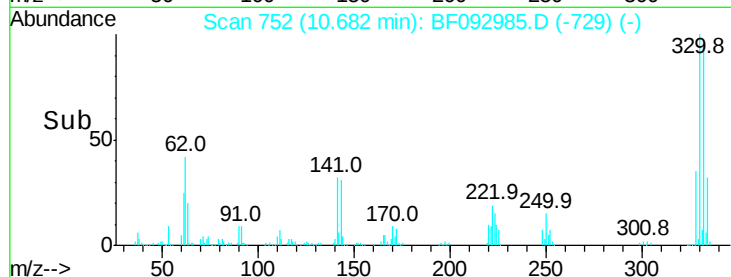
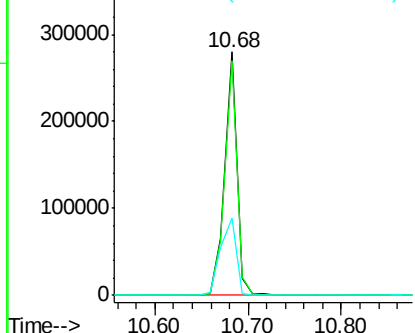
#41
 2,4,6-Tribromophenol
 Concen: 115.87 ng
 RT: 10.68 min Scan# 752
 Delta R.T. -0.03 min
 Lab File: BF092985.D
 Acq: 16 Feb 2017 17:13

Instrument :
 BNA_F
 ClientSampleId :
 PB96992BL

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.4	116.2
141	40.4	34.1	51.1

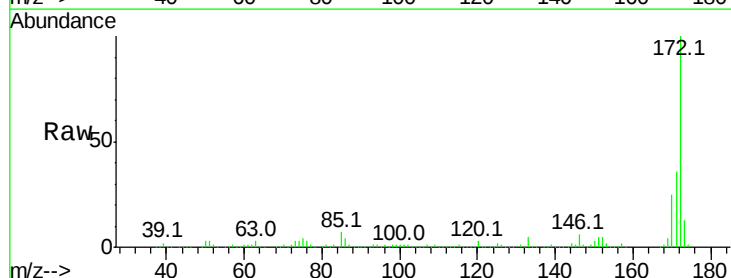


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

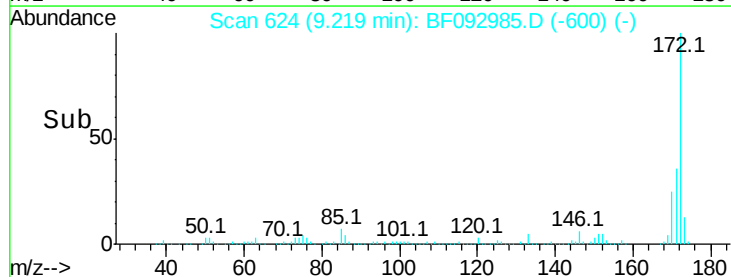
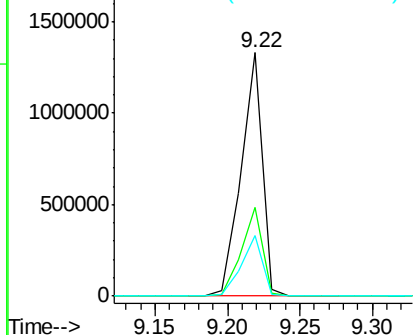


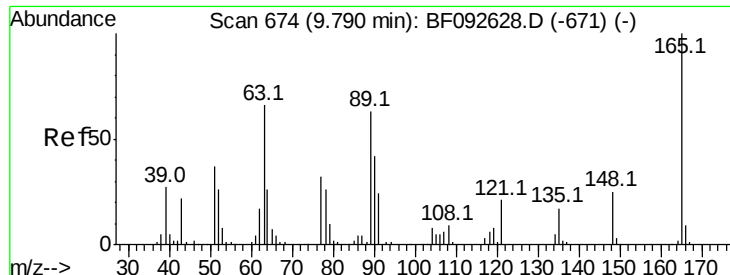
#44
 2-Fluorobiphenyl
 Concen: 80.08 ng
 RT: 9.22 min Scan# 624
 Delta R.T. -0.02 min
 Lab File: BF092985.D
 Acq: 16 Feb 2017 17:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.4	44.0
170	24.7	20.2	30.4



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

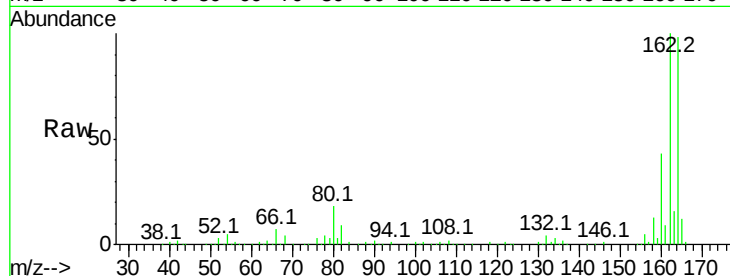




#50
 2,6-Dinitrotoluene
 Concen: 8.85 ng
 RT: 9.89 min Scan# 683
 Delta R.T. 0.18 min
 Lab File: BF092985.D
 Acq: 16 Feb 2017 17:13

Instrument :
 BNA_F
 ClientSampled :
 PB96992BL

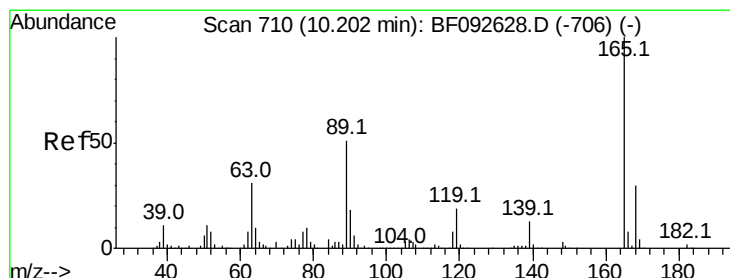
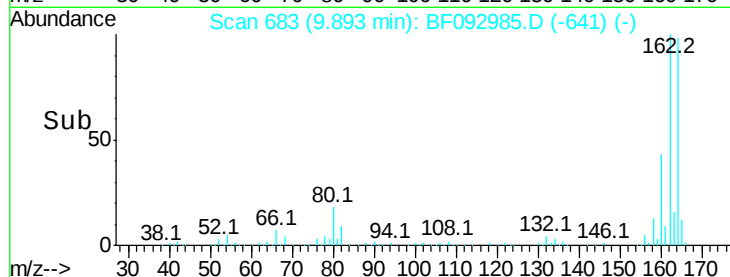
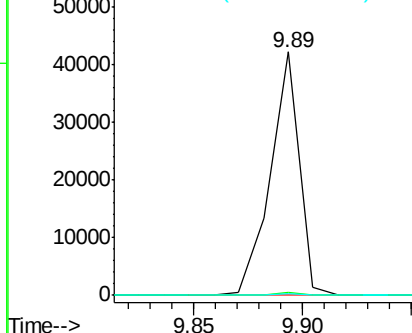
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	36.2	54.4#
89	0.8	40.2	60.4#



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



#56
 2,4-Dinitrotoluene
 Concen: 6.65 ng
 RT: 9.89 min Scan# 683
 Delta R.T. -0.23 min
 Lab File: BF092985.D
 Acq: 16 Feb 2017 17:13

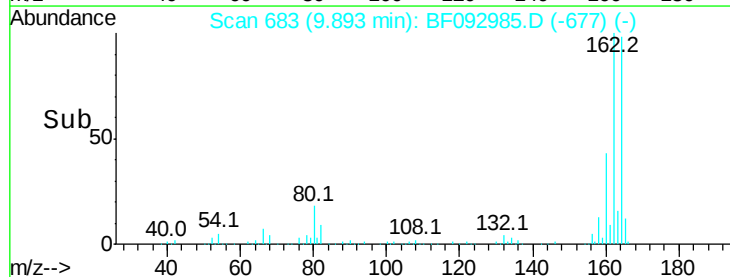
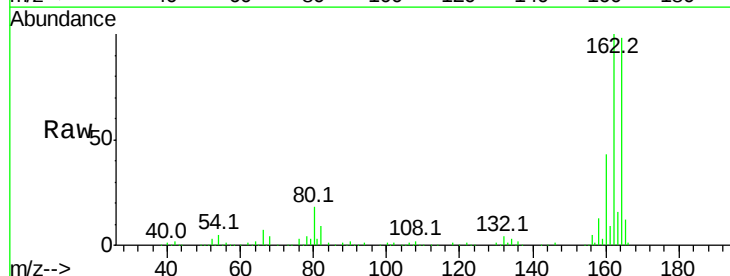
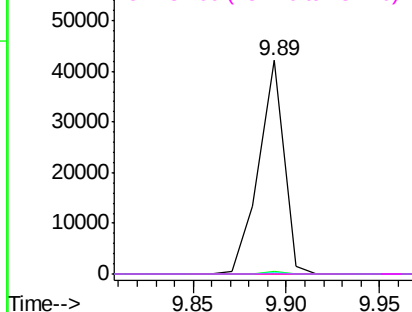
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	40.2	60.4#
89	0.8	62.5	93.7#
182	0.0	1.8	2.8#

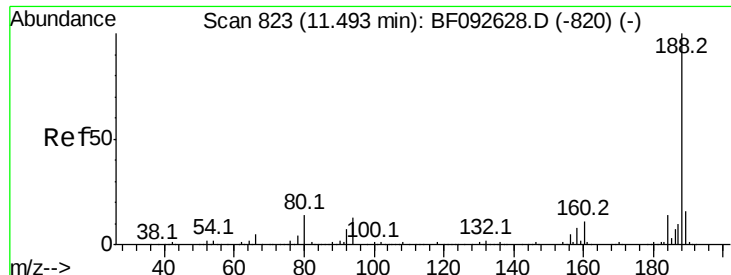
Abundance Ion 165.00 (164.70 to 165.70): E

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

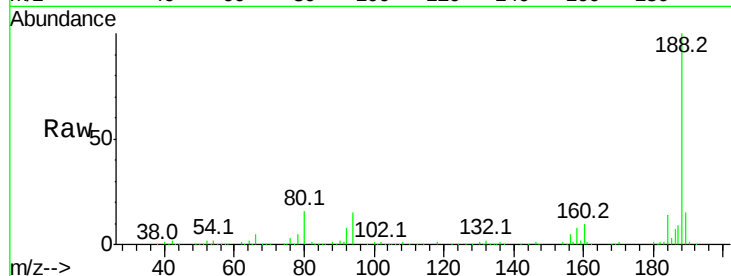




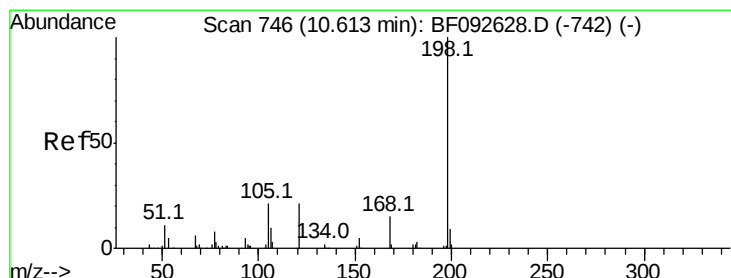
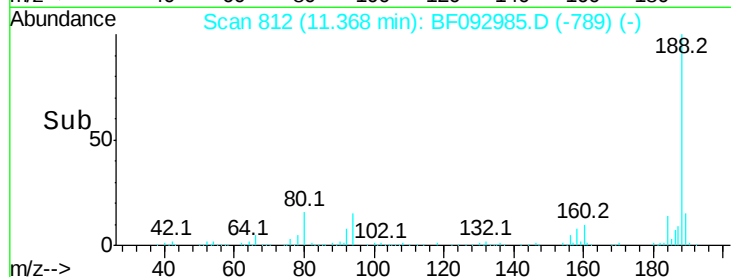
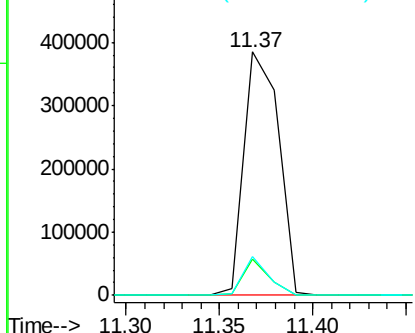
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.37 min Scan# 812
Delta R.T. -0.03 min
Lab File: BF092985.D
Acq: 16 Feb 2017 17:13

Instrument :
BNA_F
ClientSampleId :
PB96992BL

Tot Ion:188 Resp: 498760
Ion Ratio Lower Upper
188 100
94 15.0 10.0 15.0
80 15.9 11.2 16.8

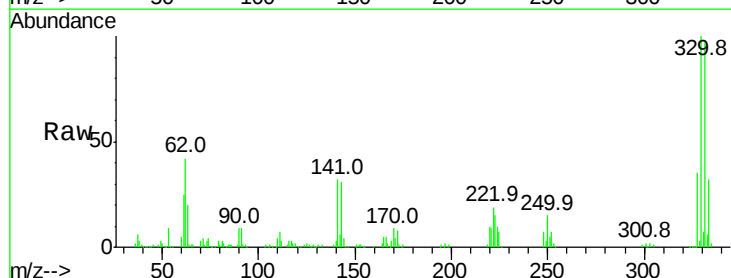


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

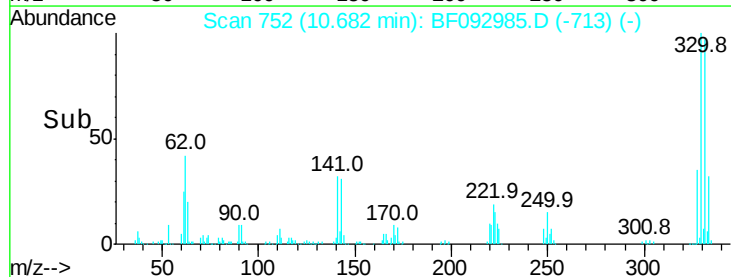
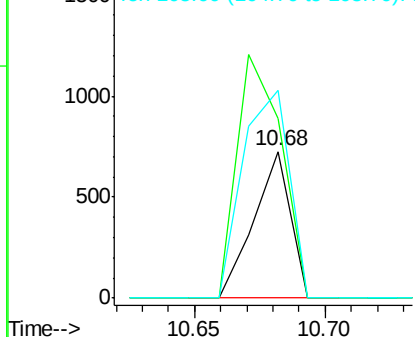


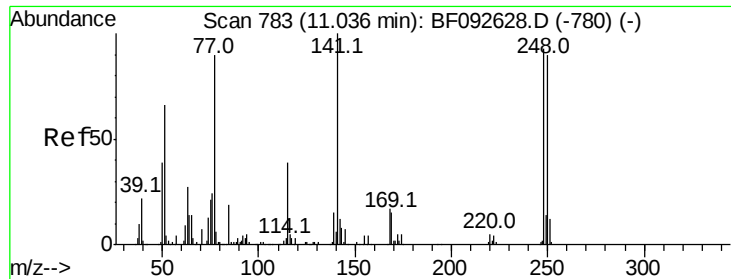
#64
4,6-Dinitro-2-methylphenol
Concen: 2.89 ng
RT: 10.68 min Scan# 752
Delta R.T. 0.15 min
Lab File: BF092985.D
Acq: 16 Feb 2017 17:13

Tgt Ion:198 Resp: 710
Ion Ratio Lower Upper
198 100
51 122.6 6.7 46.7#
105 141.3 16.6 56.6#



Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF0
Ion 105.00 (104.70 to 105.70): E

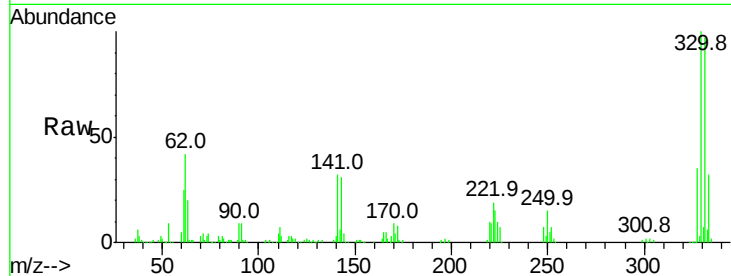




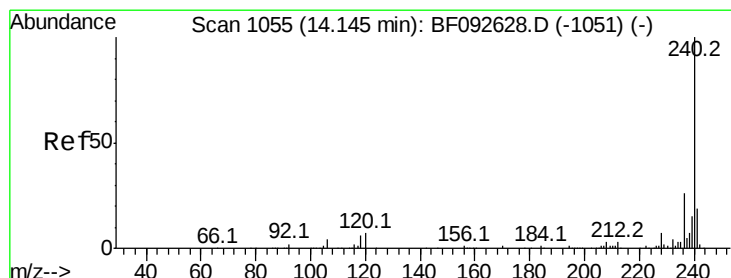
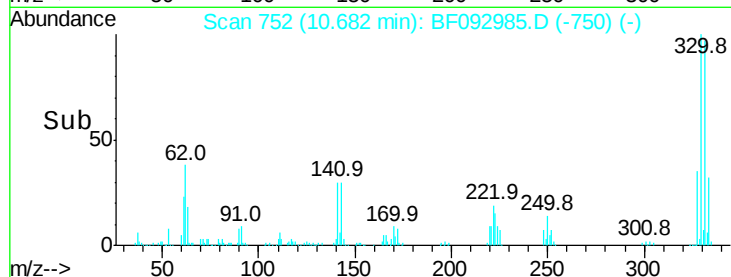
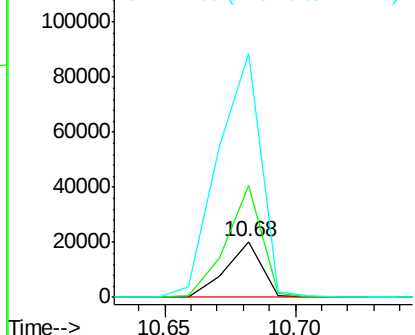
#66
 4-Bromophenyl-phenylether
 Concen: 3.73 ng
 RT: 10.68 min Scan# 752
 Delta R.T. -0.27 min
 Lab File: BF092985.D
 Acq: 16 Feb 2017 17:13

Instrument :
 BNA_F
 ClientSampleId :
 PB96992BL

Tot Ion:248 Resp: 19462
 Ion Ratio Lower Upper
 248 100
 250 202.1 76.9 115.3#
 141 439.0 68.2 102.4#

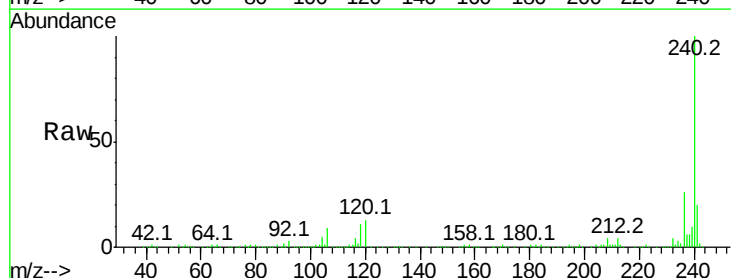


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

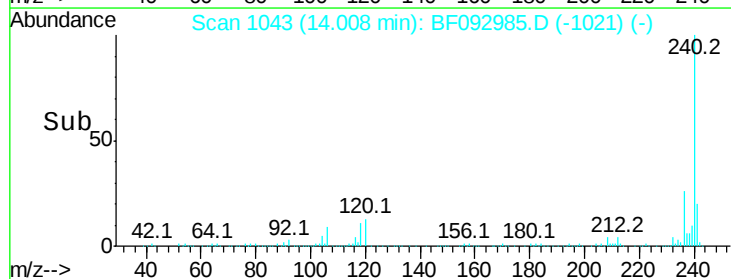
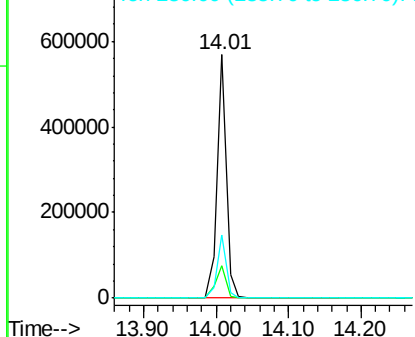


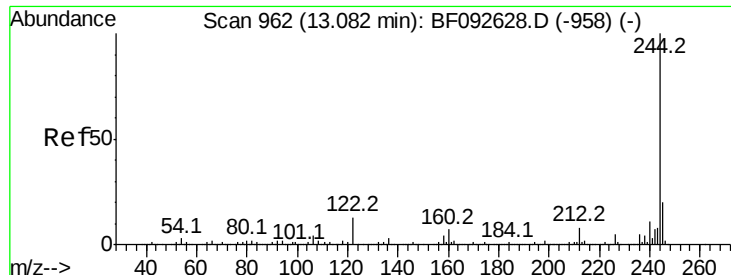
#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.01 min Scan# 1043
 Delta R.T. -0.05 min
 Lab File: BF092985.D
 Acq: 16 Feb 2017 17:13

Tgt Ion:240 Resp: 502592
 Ion Ratio Lower Upper
 240 100
 120 13.1 12.9 19.3
 236 26.1 20.9 31.3



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: 63.82 ng

RT: 12.96 min Scan# 951

Delta R.T. -0.03 min

Lab File: BF092985.D

Acq: 16 Feb 2017 17:13

Instrument :

BNA_F

ClientSampled :

PB96992BL

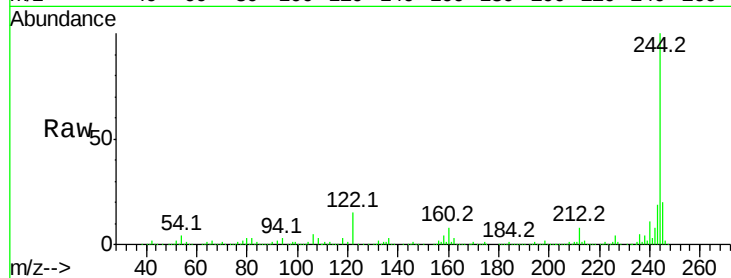
Tot Ion:244 Resp: 1365052

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

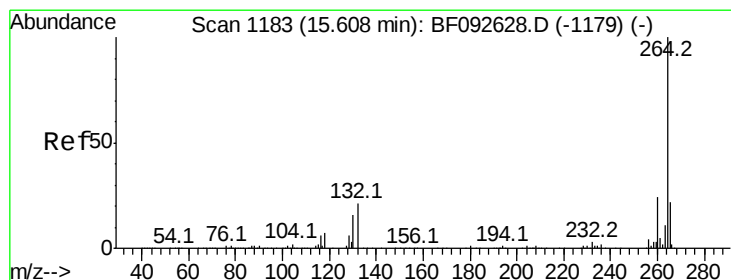
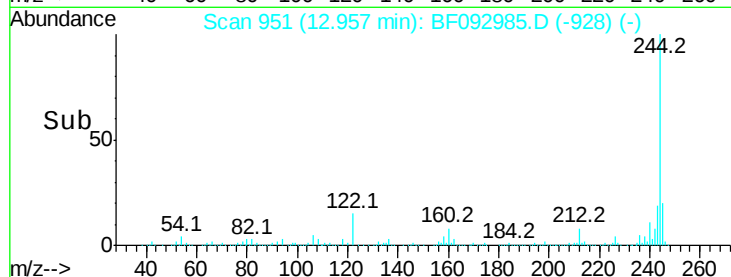
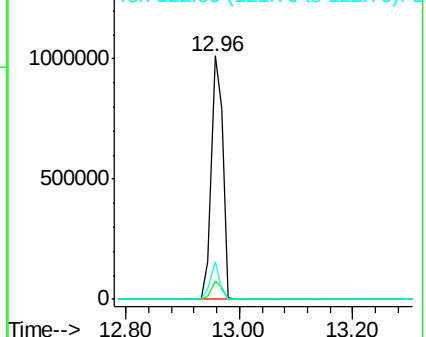
122 15.3 11.4 17.2



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: 15.44 min Scan# 1168

Delta R.T. -0.05 min

Lab File: BF092985.D

Acq: 16 Feb 2017 17:13

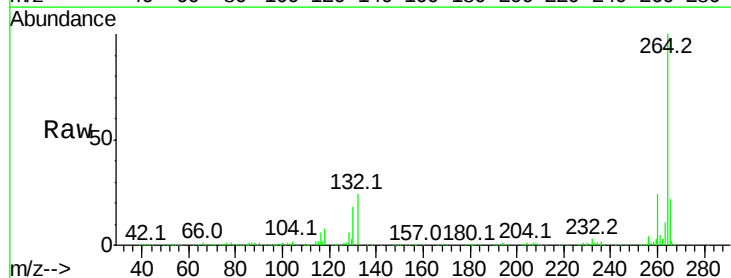
Tgt Ion:264 Resp: 454238

Ion Ratio Lower Upper

264 100

260 24.1 19.2 28.8

265 21.6 17.4 26.0



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

