

Data Path : Z:\HPCHEM1\BNA F\DATA\BF092517\
 Data File : BF098824.D
 Acq On : 26 Sep 2017 11:19
 Operator : SJ/JU
 Sample : I5385-04
 Misc :
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 26 11:43:53 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF092317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 23 13:50:58 2017
 Response via : Initial Calibration

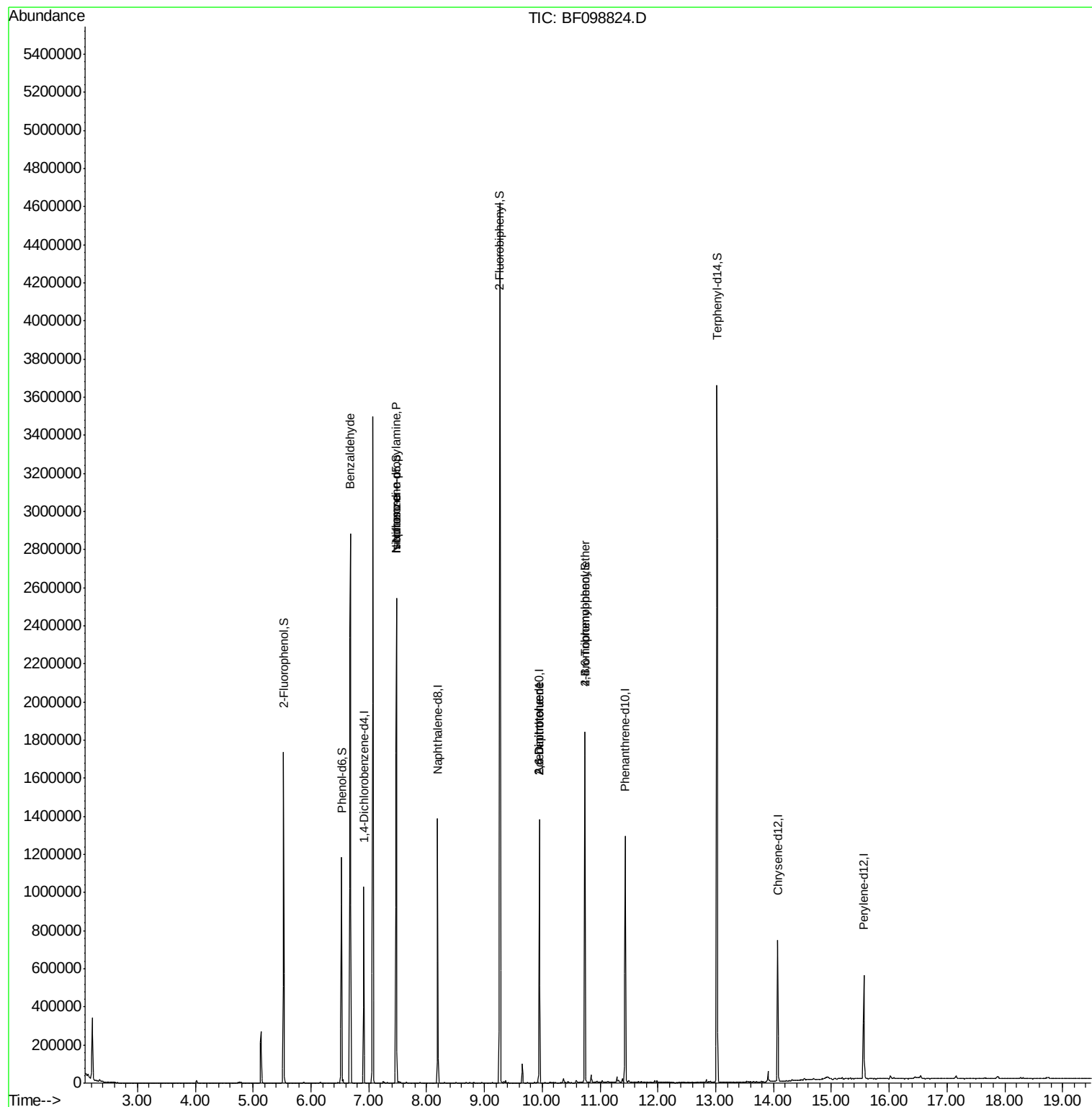
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	140282	20.00	ng	-0.01
21) Naphthalene-d8	8.19	136	579197	20.00	ng	-0.01
38) Acenaphthene-d10	9.95	164	258618	20.00	ng	-0.01
63) Phenanthrene-d10	11.43	188	428985	20.00	ng	-0.01
75) Chrysene-d12	14.07	240	242411	20.00	ng	-0.01
86) Perylene-d12	15.56	264	231784	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	455023	51.64	ng	-0.01
7) Phenol-d6	6.53	99	351572	32.34	ng	-0.02
23) Nitrobenzene-d5	7.47	82	974200	107.87	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	204372	96.58	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	1662217	107.30	ng	0.00
78) Terphenyl-d14	13.02	244	1187385	111.40	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.68	77	16805	2.665	ng	80
19) n-Nitroso-di-n-propylamine	7.47	70	130621	18.820	ng	# 75
25) Isophorone	7.47	82	973883	52.155	ng	# 64
50) 2,6-Dinitrotoluene	9.95	165	32778	7.714	ng	# 26
56) 2,4-Dinitrotoluene	9.95	165	32778	5.943	ng	# 23
66) 4-Bromophenyl-phenylether	10.74	248	14475	3.447	ng	# 1

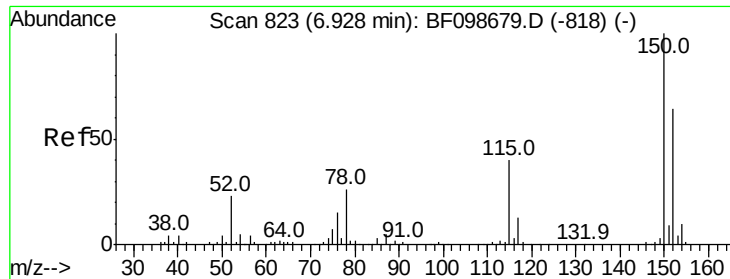
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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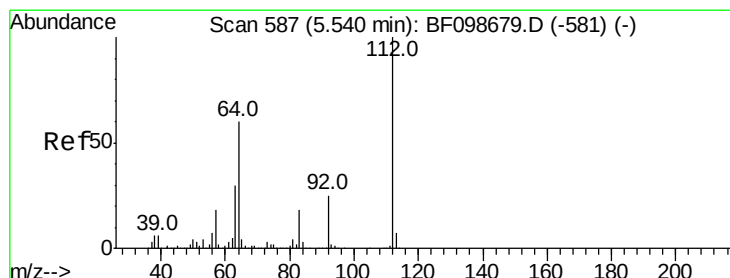
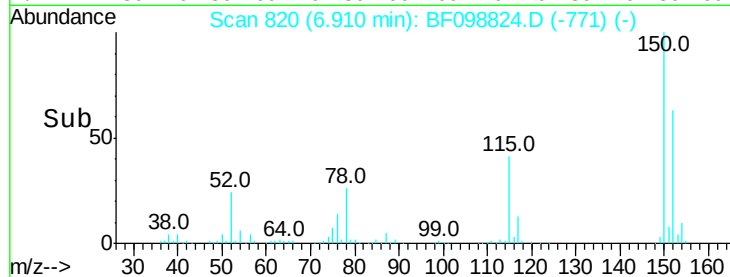
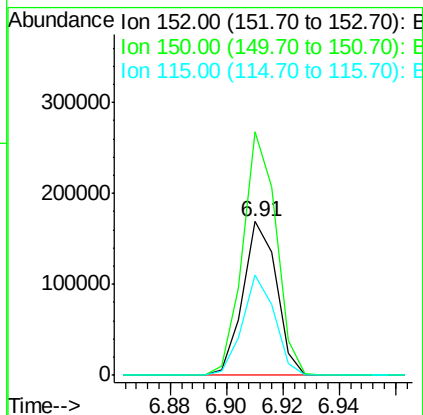
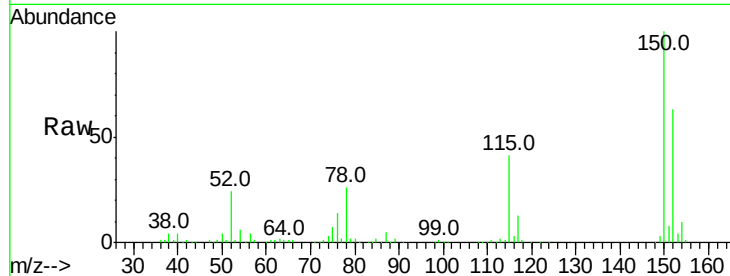


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.91 min Scan# 820
Delta R.T. -0.01 min
Lab File: BF098824.D
Acq: 26 Sep 2017 11:19

Instrument :
BNA_F
ClientSampleId :

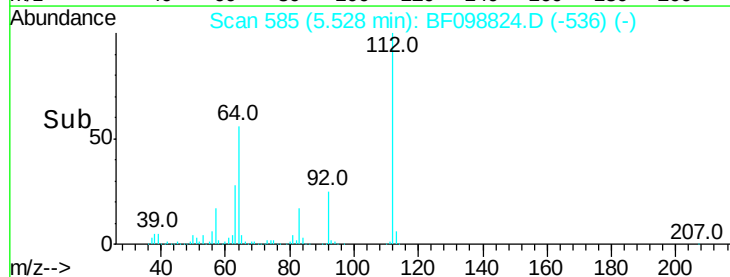
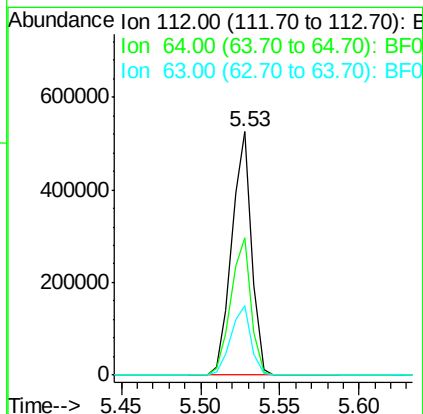
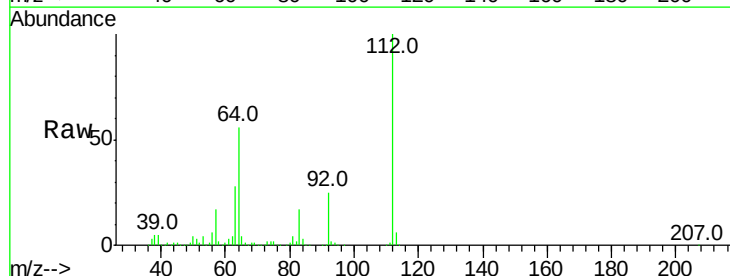
Tot Ion:152 Resp: 140282
Ion Ratio Lower Upper
152 100
150 158.1 124.6 186.8
115 65.1 50.1 75.1

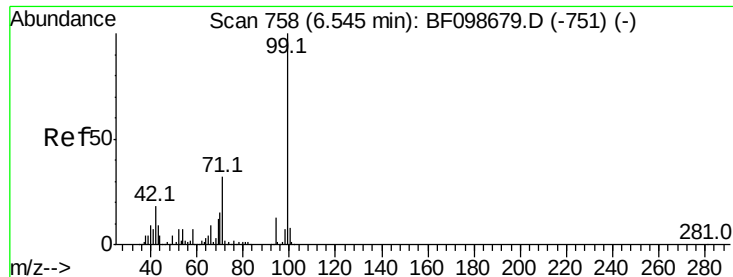


#5

2-Fluorophenol
Concen: 51.635 ng
RT: 5.53 min Scan# 585
Delta R.T. -0.01 min
Lab File: BF098824.D
Acq: 26 Sep 2017 11:19

Tgt Ion:112 Resp: 455023
Ion Ratio Lower Upper
112 100
64 56.3 47.9 71.9
63 28.4 23.7 35.5





#7

Phenol-d6

Concen: 32.341 ng

RT: 6.53 min Scan# 755

Delta R.T. -0.02 min

Lab File: BF098824.D

Acq: 26 Sep 2017 11:19

Instrument :

BNA_F

ClientSampleId :

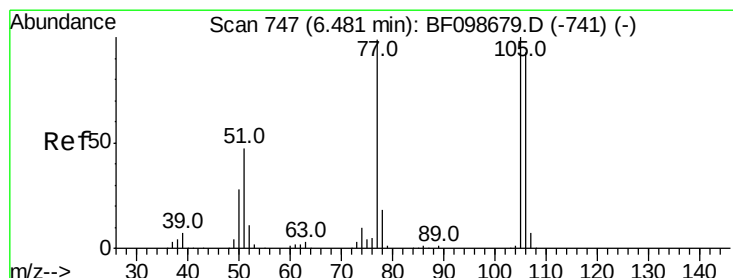
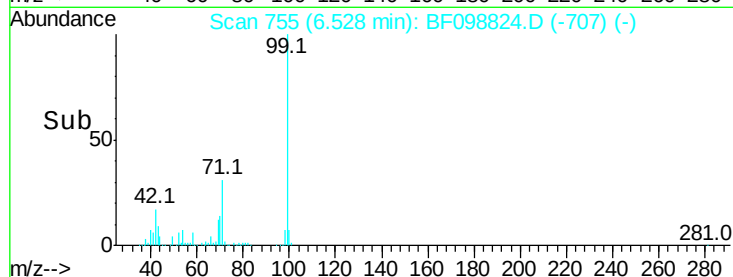
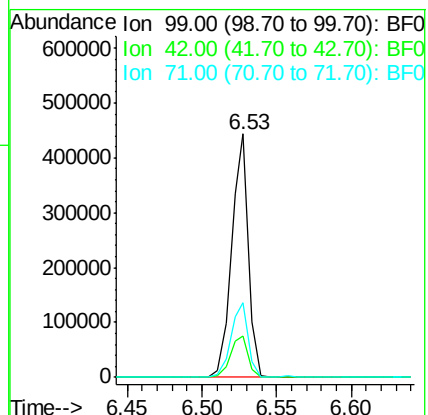
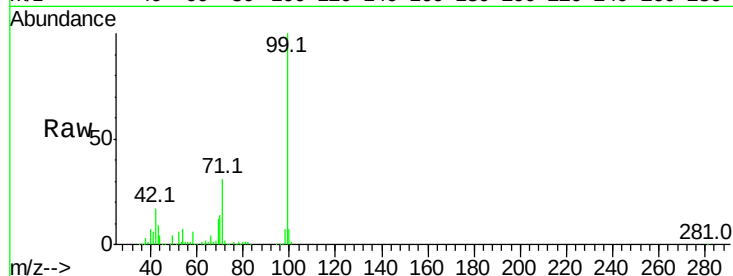
Tot Ion: 99 Resp: 351572

Ion Ratio Lower Upper

99 100

42 17.2 14.5 21.7

71 30.6 25.4 38.0



#9

Benzaldehyde

Concen: 2.665 ng

RT: 6.68 min Scan# 781

Delta R.T. 0.21 min

Lab File: BF098824.D

Acq: 26 Sep 2017 11:19

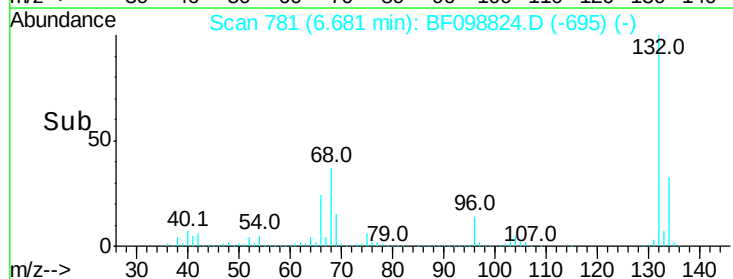
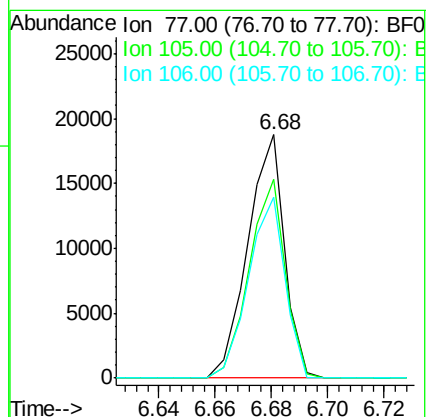
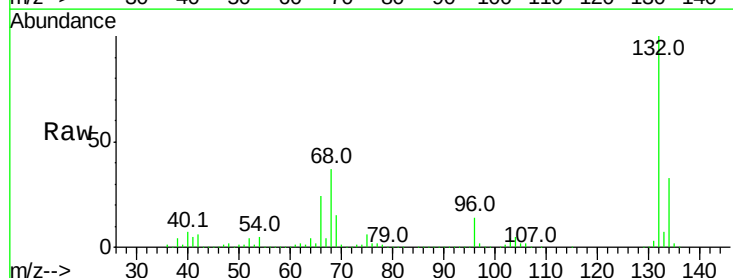
Tgt Ion: 77 Resp: 16805

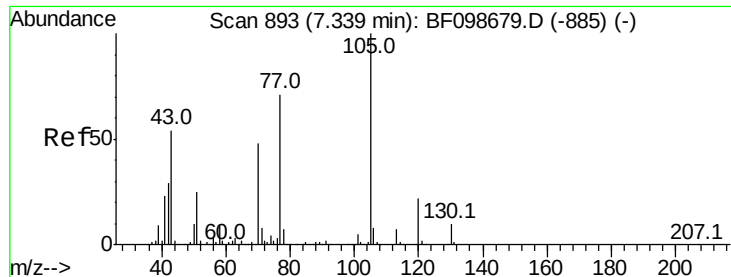
Ion Ratio Lower Upper

77 100

105 81.8 81.1 121.1

106 74.6 74.5 114.5

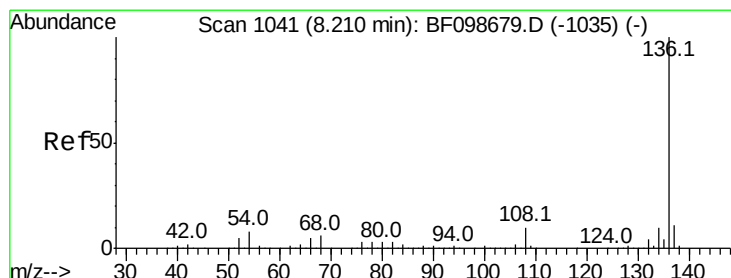
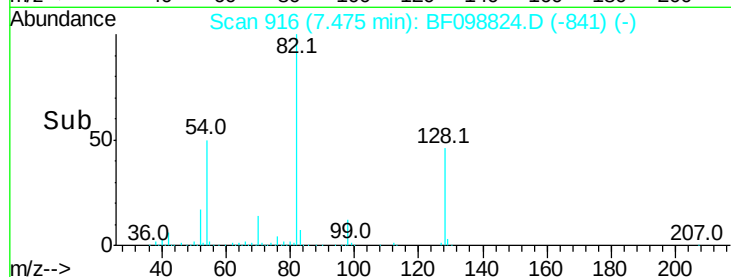
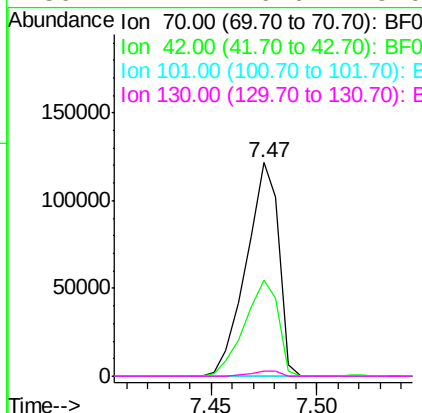
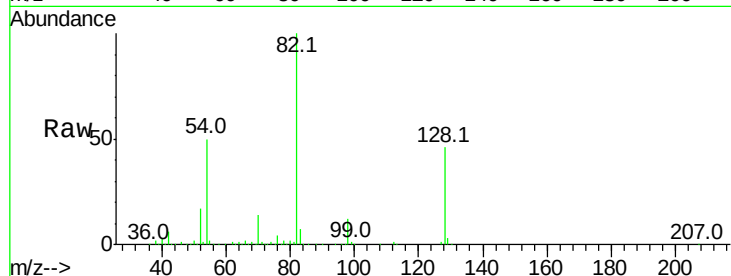




#19
 n-Nitroso-di-n-propylamine
 Concen: 18.820 ng
 RT: 7.47 min Scan# 916
 Delta R.T. 0.14 min
 Lab File: BF098824.D
 Acq: 26 Sep 2017 11:19

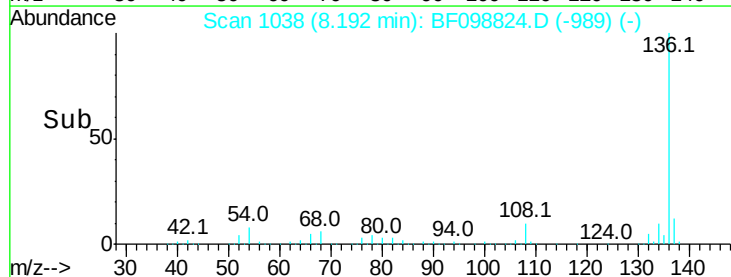
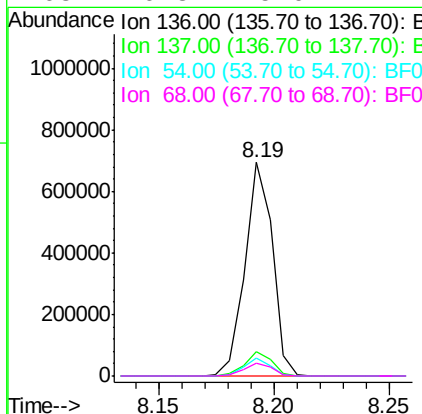
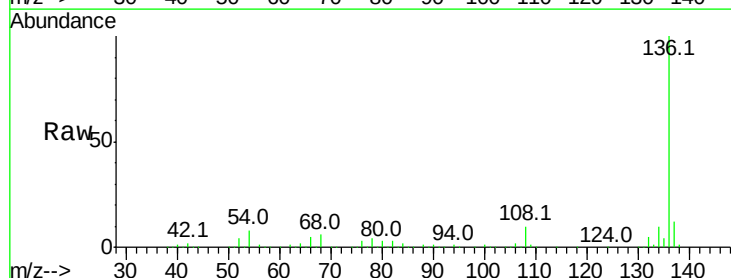
Instrument :
 BNA_F
 ClientSampleId :

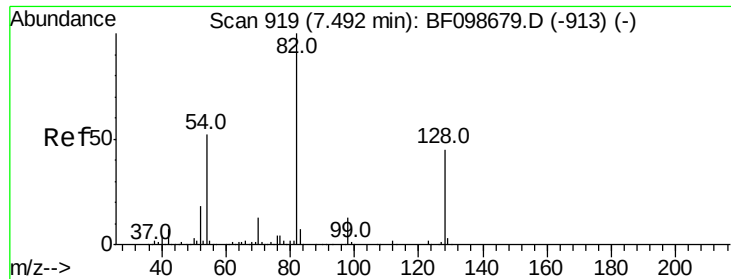
Tot Ion: 70 Resp: 130621
 Ion Ratio Lower Upper
 70 100
 42 44.9 47.5 71.3#
 101 0.0 7.4 11.2#
 130 2.2 16.6 25.0#



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.19 min Scan# 1038
 Delta R.T. -0.01 min
 Lab File: BF098824.D
 Acq: 26 Sep 2017 11:19

Tgt Ion: 136 Resp: 579197
 Ion Ratio Lower Upper
 136 100
 137 11.6 8.9 13.3
 54 8.2 6.6 9.8
 68 6.3 5.0 7.4

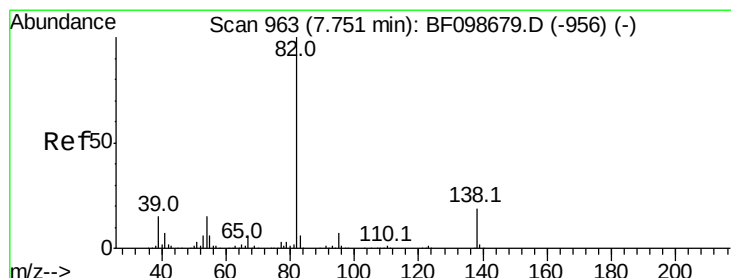
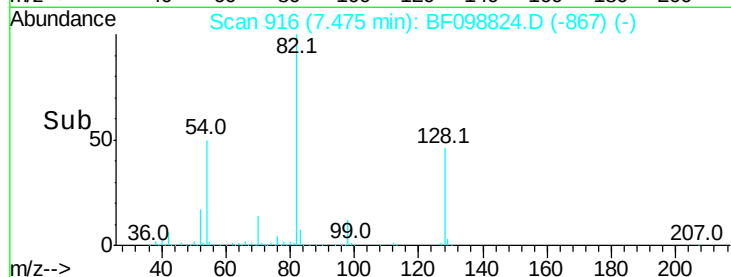
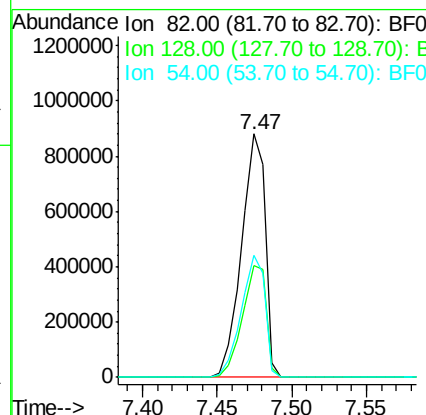
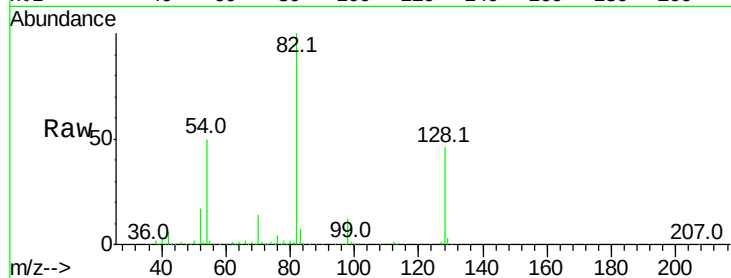




#23
 Nitrobenzene-d5
 Concen: 107.866 ng
 RT: 7.47 min Scan# 916
 Delta R.T. -0.01 min
 Lab File: BF098824.D
 Acq: 26 Sep 2017 11:19

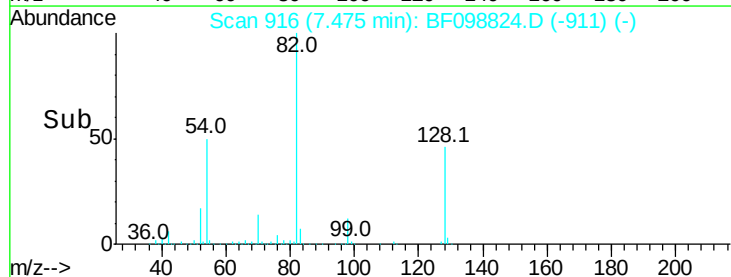
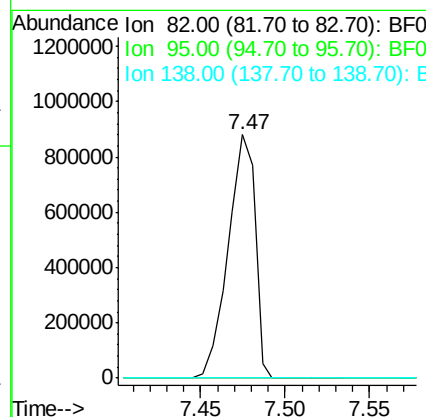
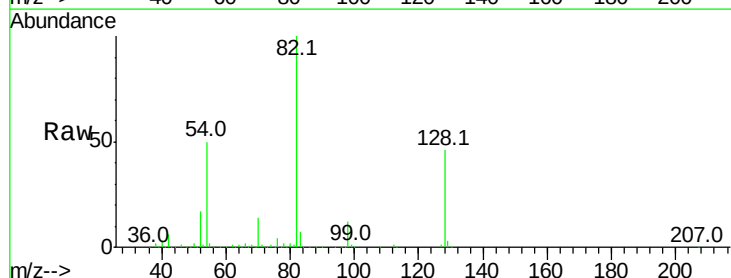
Instrument :
 BNA_F
 ClientSampleId :

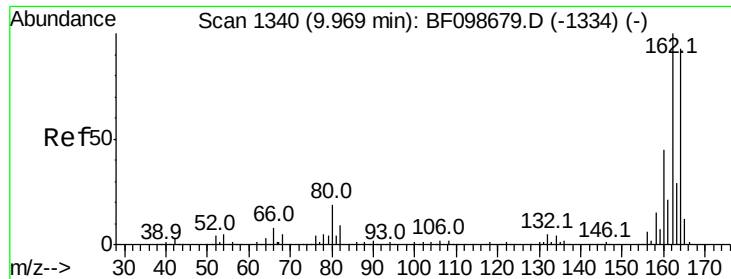
Tot Ion: 82 Resp: 974200
 Ion Ratio Lower Upper
 82 100
 128 46.0 36.1 54.1
 54 50.2 41.4 62.2



#25
 Isophorone
 Concen: 52.155 ng
 RT: 7.47 min Scan# 916
 Delta R.T. -0.27 min
 Lab File: BF098824.D
 Acq: 26 Sep 2017 11:19

Tgt Ion: 82 Resp: 973883
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.2 7.8#
 138 0.0 14.9 22.3#

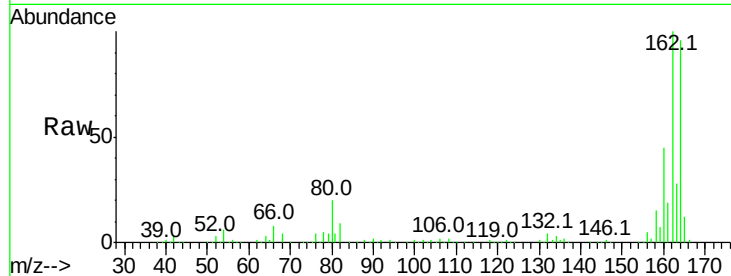




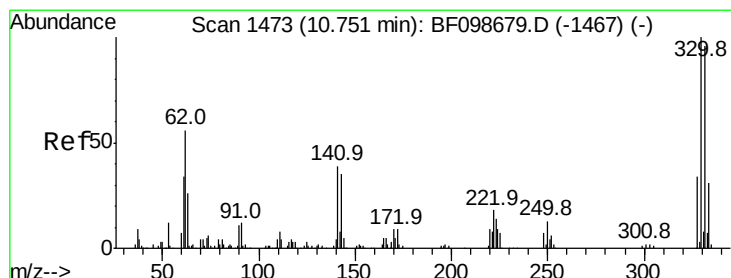
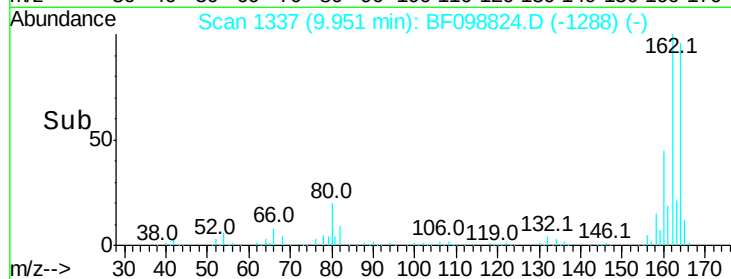
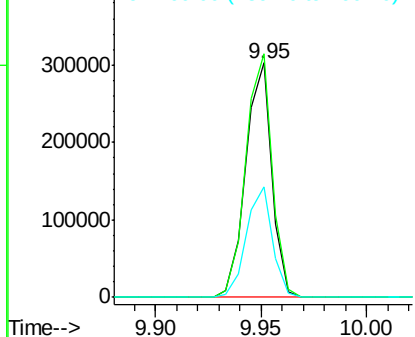
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: BF098824.D
 Acq: 26 Sep 2017 11:19

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.9	86.1	129.1
160	46.9	38.3	57.5

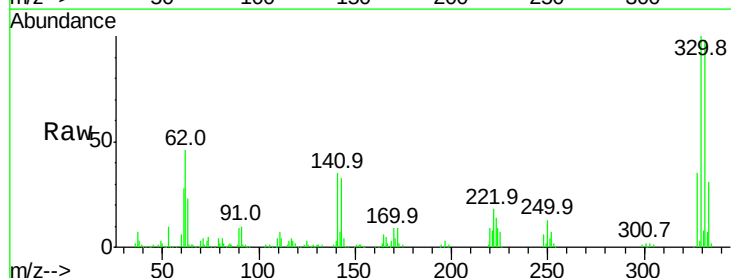


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

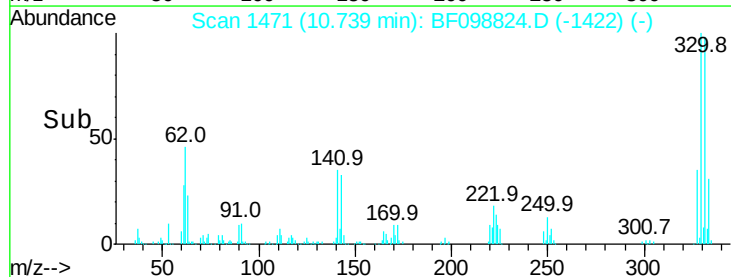
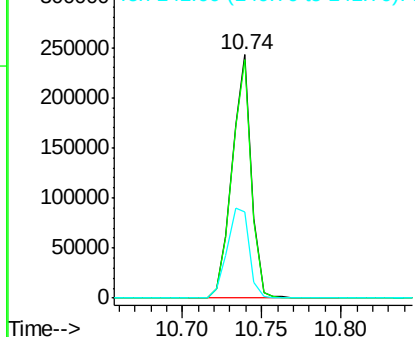


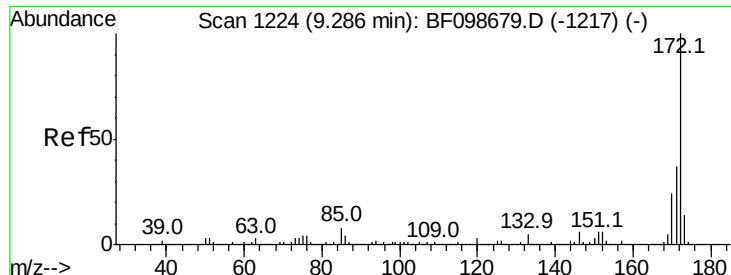
#41
 2,4,6-Tribromophenol
 Concen: 96.575 ng
 RT: 10.74 min Scan# 1471
 Delta R.T. -0.01 min
 Lab File: BF098824.D
 Acq: 26 Sep 2017 11:19

Tgt Ion	Ratio	Lower	Upper
330	100		
332	98.1	77.0	115.6
141	42.9	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



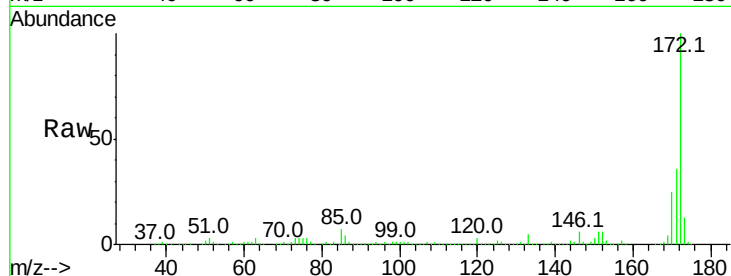


#44
 2-Fluorobiphenyl
 Concen: 107.299 ng
 RT: 9.27 min Scan# 1222
 Delta R.T. -0.01 min
 Lab File: BF098824.D
 Acq: 26 Sep 2017 11:19

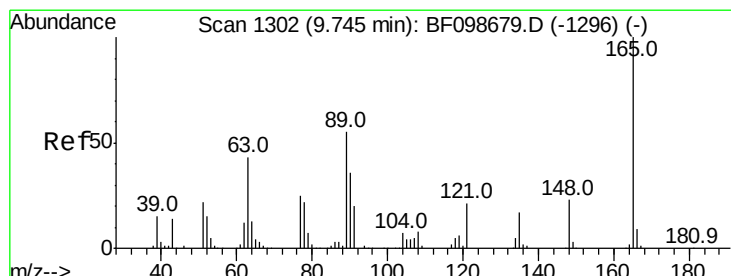
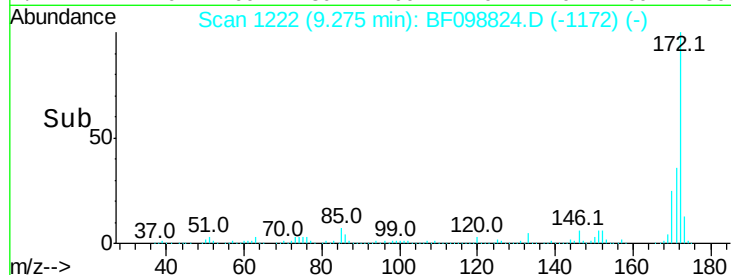
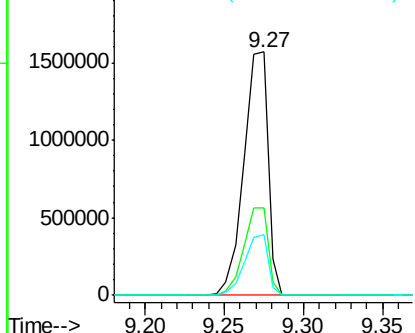
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1662217

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.7	44.5
170	24.7	19.6	29.4



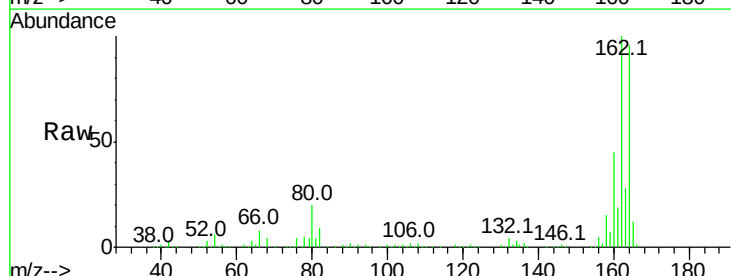
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



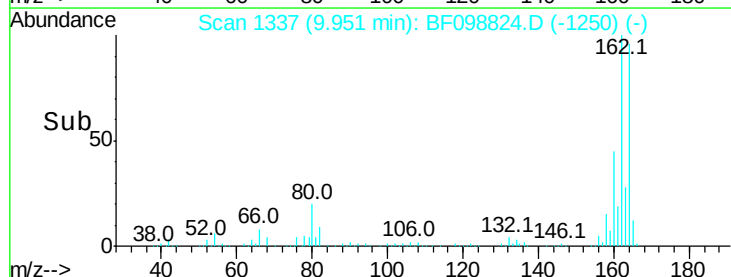
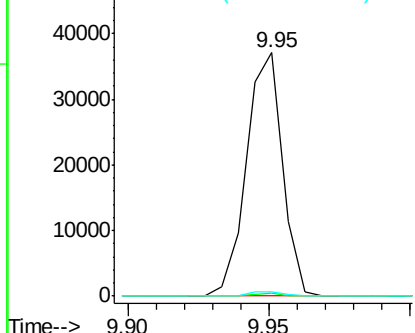
#50
 2,6-Dinitrotoluene
 Concen: 7.714 ng
 RT: 9.95 min Scan# 1337
 Delta R.T. 0.21 min
 Lab File: BF098824.D
 Acq: 26 Sep 2017 11:19

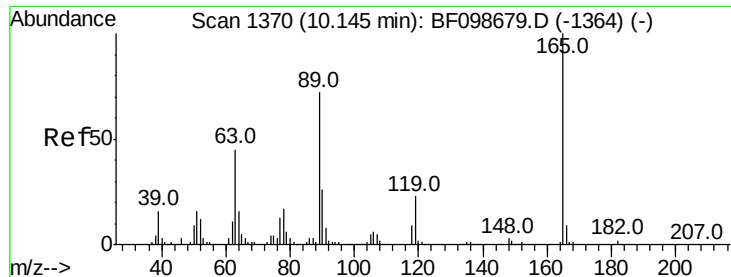
Tgt Ion:165 Resp: 32778

Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.7	44.0	66.0#



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: 5.943 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.19 min

Lab File: BF098824.D

Acq: 26 Sep 2017 11:19

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 32778

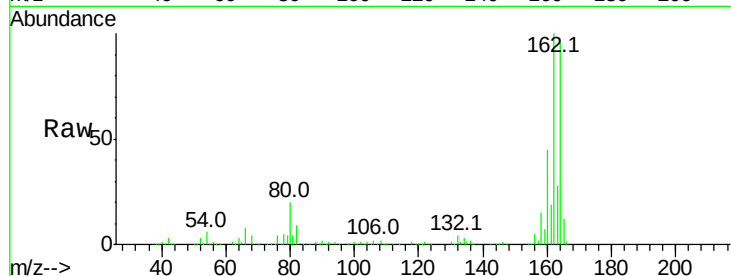
Ion Ratio Lower Upper

165 100

63 1.3 36.4 54.6#

89 1.7 57.8 86.6#

182 0.0 1.6 2.4#

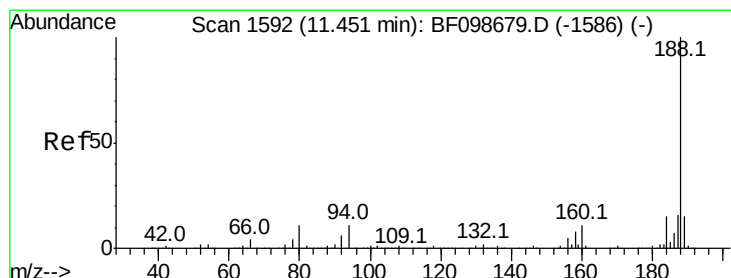
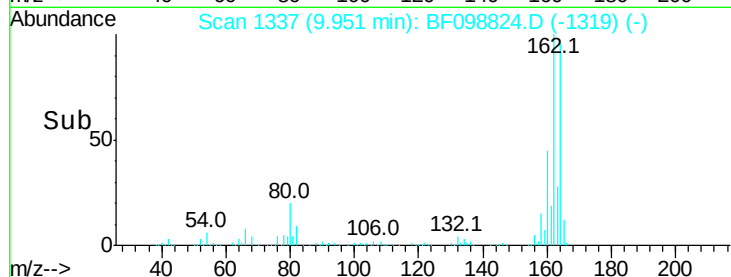
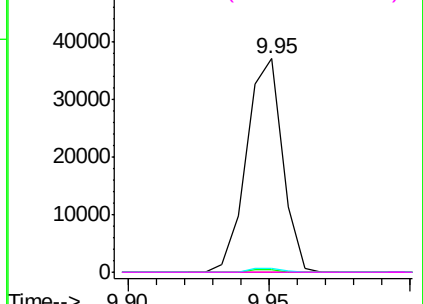


Abundance Ion 165.00 (164.70 to 165.70): E

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: 20.000 ng

RT: 11.43 min Scan# 1589

Delta R.T. -0.01 min

Lab File: BF098824.D

Acq: 26 Sep 2017 11:19

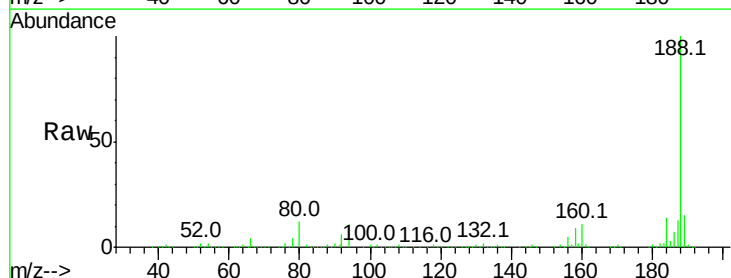
Tgt Ion:188 Resp: 428985

Ion Ratio Lower Upper

188 100

94 11.3 8.5 12.7

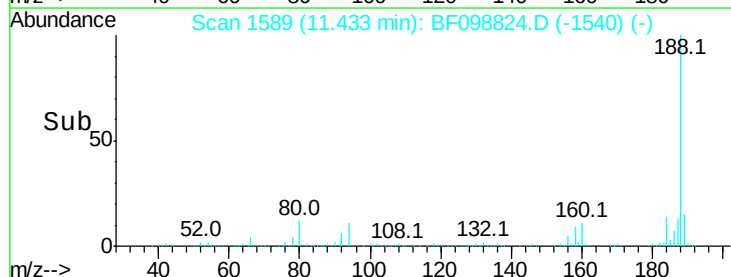
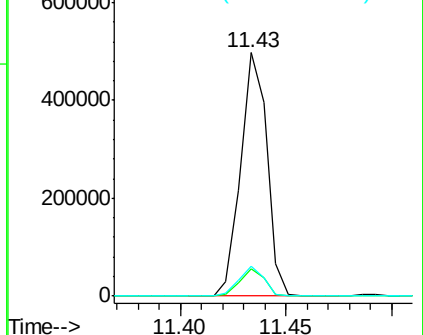
80 12.2 9.2 13.8

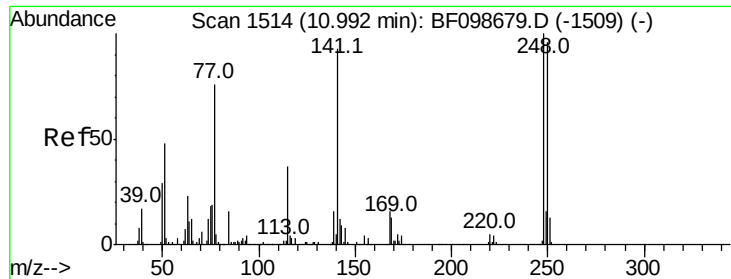


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

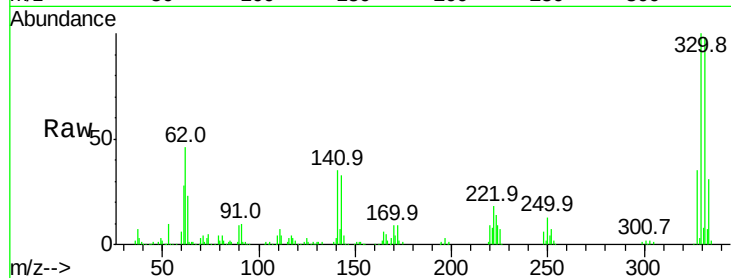




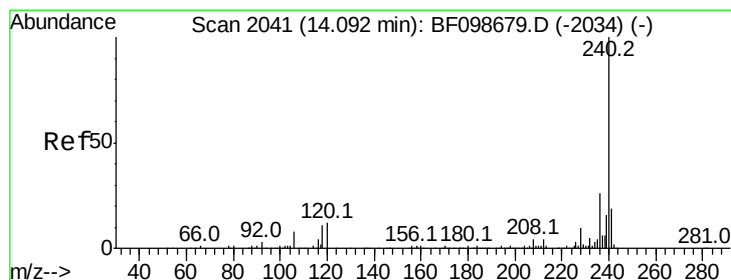
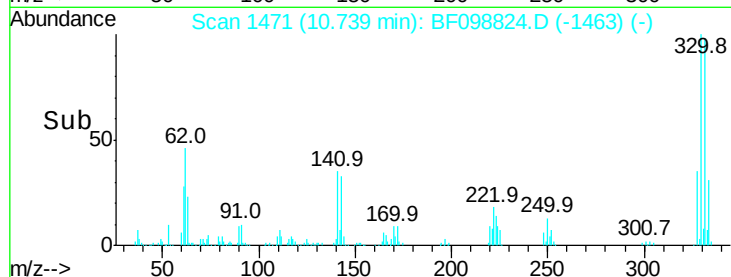
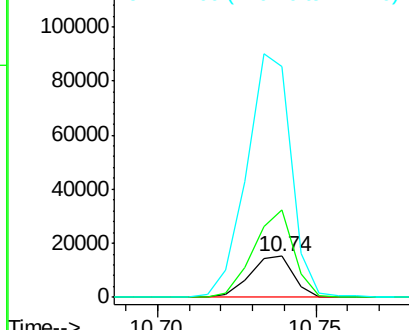
#66
4-Bromophenyl-phenylether
Concen: 3.447 ng
RT: 10.74 min Scan# 1471
Delta R.T. -0.25 min
Lab File: BF098824.D
Acq: 26 Sep 2017 11:19

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 14475
Ion Ratio Lower Upper
248 100
250 211.8 76.9 115.3#
141 560.5 74.4 111.6#

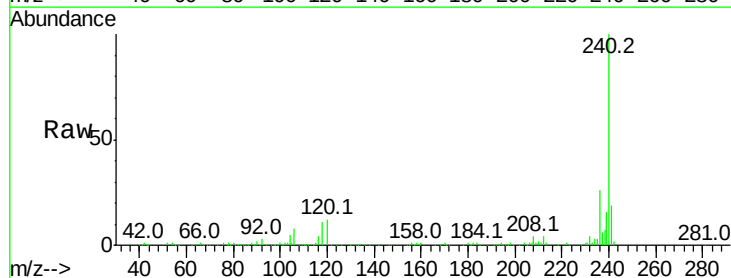


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

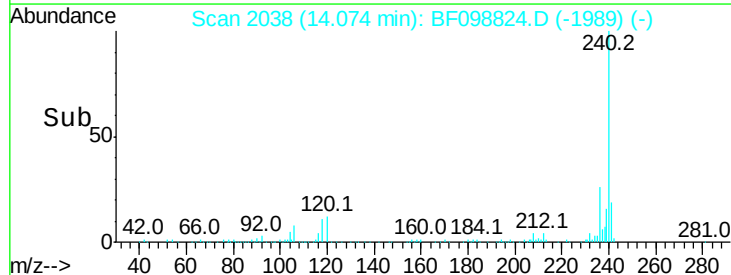
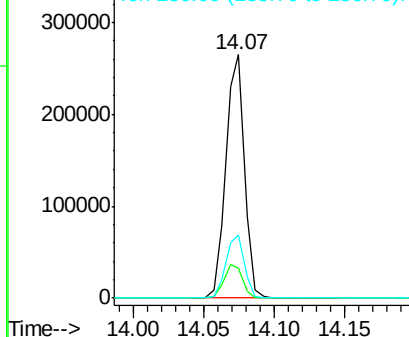


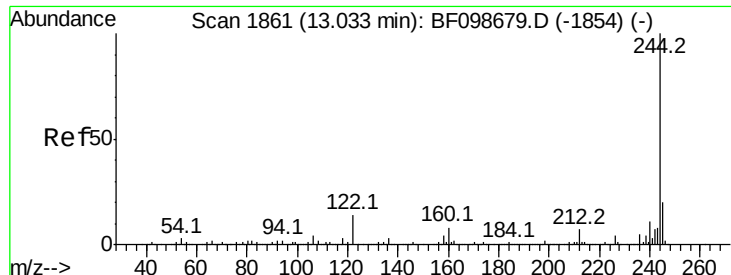
#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.01 min
Lab File: BF098824.D
Acq: 26 Sep 2017 11:19

Tgt Ion:240 Resp: 242411
Ion Ratio Lower Upper
240 100
120 12.3 9.5 14.3
236 25.8 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: 111.396 ng

RT: 13.02 min Scan# 1859

Delta R.T. -0.01 min

Lab File: BF098824.D

Acq: 26 Sep 2017 11:19

Instrument :

BNA_F

ClientSampleId :

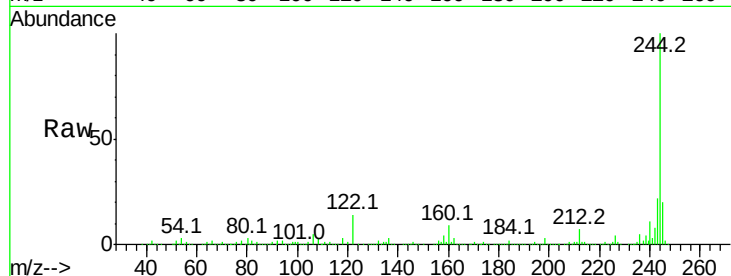
Tot Ion:244 Resp: 1187385

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

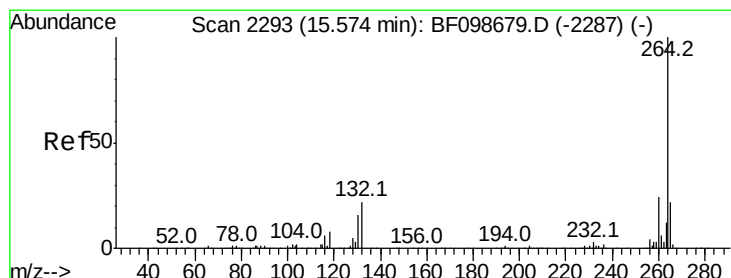
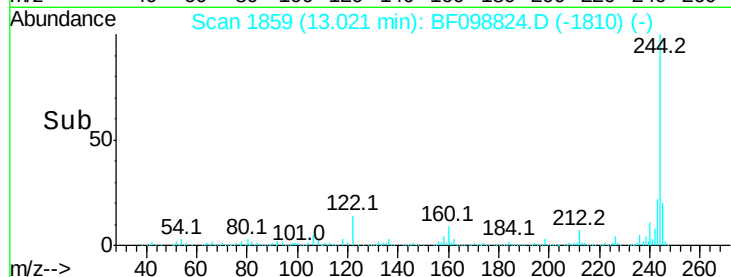
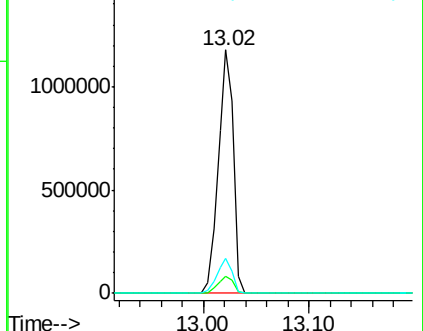
122 14.3 11.0 16.4



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: 15.56 min Scan# 2291

Delta R.T. -0.01 min

Lab File: BF098824.D

Acq: 26 Sep 2017 11:19

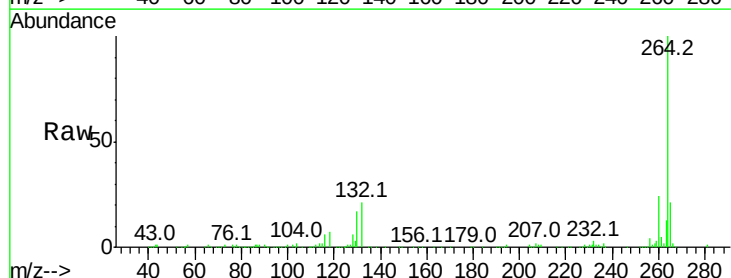
Tgt Ion:264 Resp: 231784

Ion Ratio Lower Upper

264 100

260 23.7 19.2 28.8

265 21.5 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

