

Data Path : Z:\HPCHEM1\BNA F\DATA\BF112917\
 Data File : BF100985.D
 Acq On : 29 Nov 2017 18:31
 Operator : SJ/JU
 Sample : I6302-11 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 29 23:42:34 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF110817.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 28 15:21:02 2017
 Response via : Initial Calibration

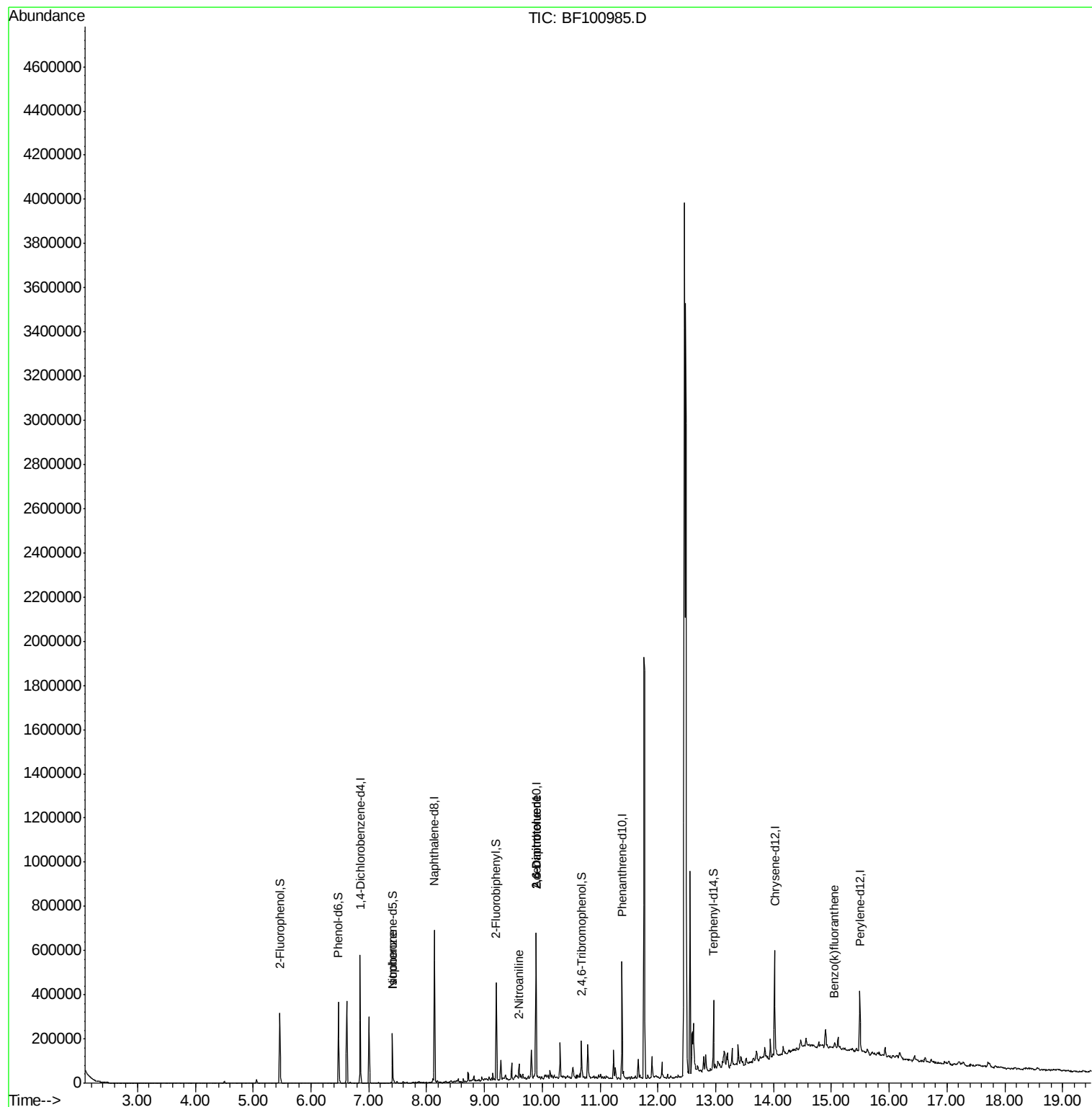
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	80996	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	298790	20.00	ng	0.00
38) Acenaphthene-d10	9.89	164	119492	20.00	ng	0.00
63) Phenanthrene-d10	11.38	188	179948	20.00	ng	0.00
75) Chrysene-d12	14.02	240	156985	20.00	ng	0.00
86) Perylene-d12	15.49	264	113909	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	86551	17.13	ng	-0.01
7) Phenol-d6	6.47	99	105073	16.86	ng	-0.02
23) Nitrobenzene-d5	7.41	82	59057	13.07	ng	-0.02
41) 2,4,6-Tribromophenol	10.68	330	21344	17.53	ng	0.00
44) 2-Fluorobiphenyl	9.21	172	136399	17.38	ng	0.00
78) Terphenyl-d14	12.96	244	92828	13.59	ng	0.00
Target Compounds						
25) Isophorone	7.41	82	59056	6.218	ng	# 64
47) 2-Nitroaniline	9.60	65	120	2.835	ng	# 1
50) 2,6-Dinitrotoluene	9.89	165	16173	8.956	ng	# 25
56) 2,4-Dinitrotoluene	9.89	165	16173	7.099	ng	# 23
88) Benzo(k)fluoranthene	15.06	252	12870	2.018	ng	# 67

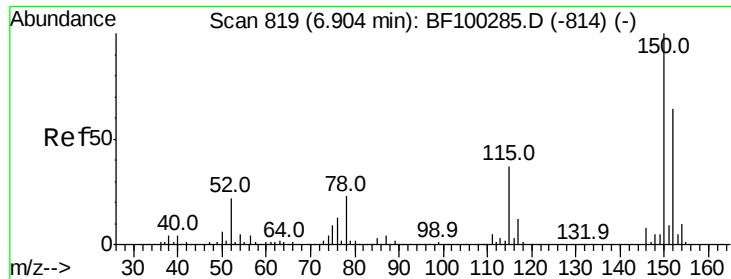
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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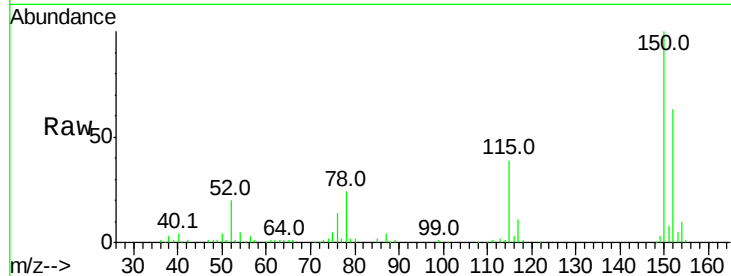


#1

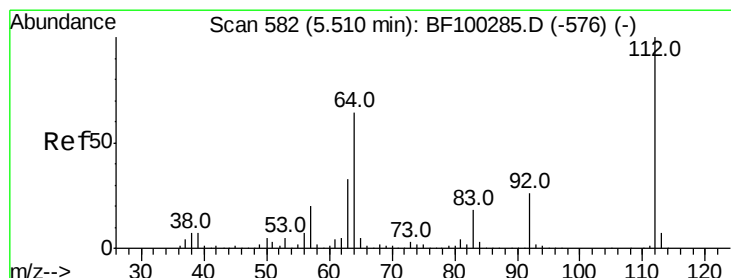
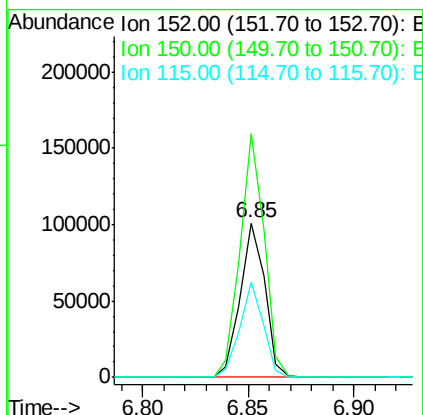
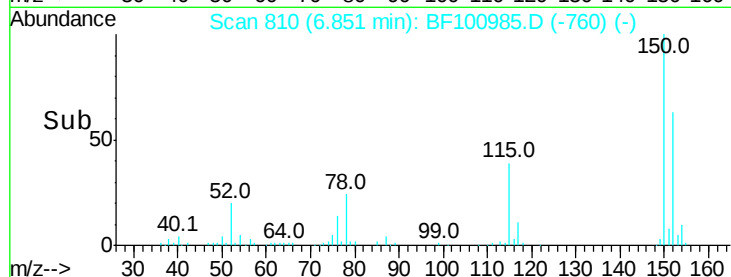
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF100985.D
Acq: 29 Nov 2017 18:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 80996
Ion Ratio Lower Upper
152 100
150 157.7 124.6 186.8
115 61.3 50.1 75.1



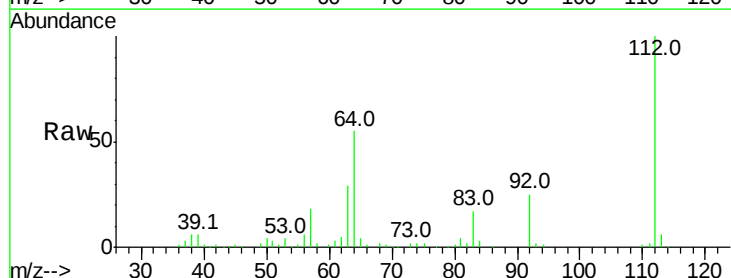
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



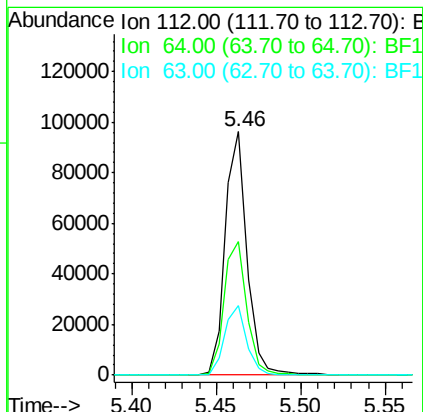
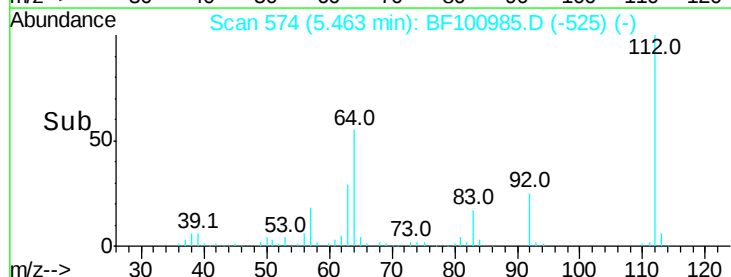
#5

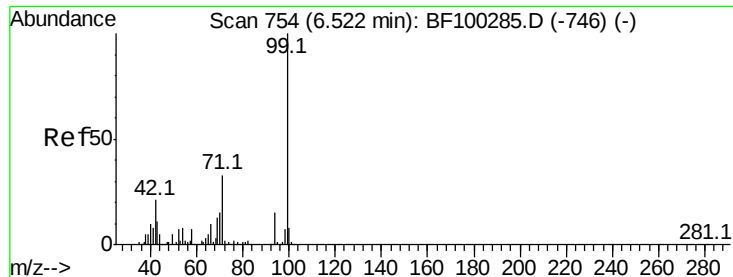
2-Fluorophenol
Concen: 17.129 ng
RT: 5.46 min Scan# 574
Delta R.T. -0.01 min
Lab File: BF100985.D
Acq: 29 Nov 2017 18:31

Tgt Ion:112 Resp: 86551
Ion Ratio Lower Upper
112 100
64 54.8 47.9 71.9
63 28.6 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BF1
Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 16.864 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.02 min

Lab File: BF100985.D

Acq: 29 Nov 2017 18:31

Instrument :

BNA_F

ClientSampleId :

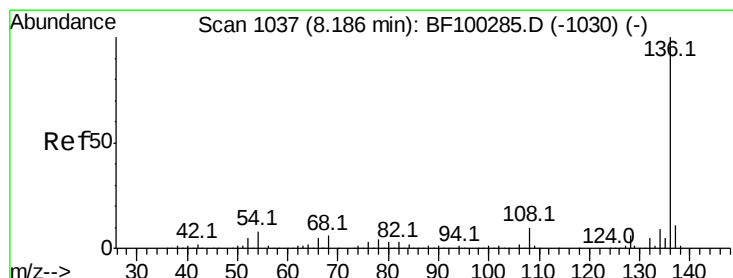
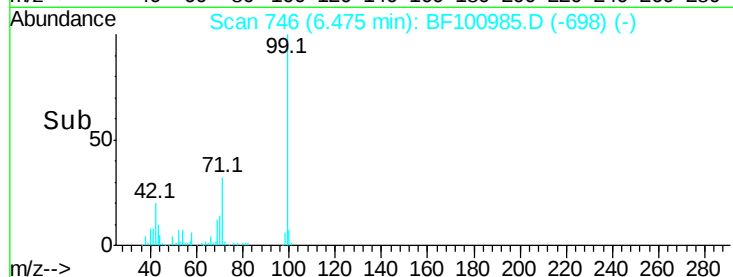
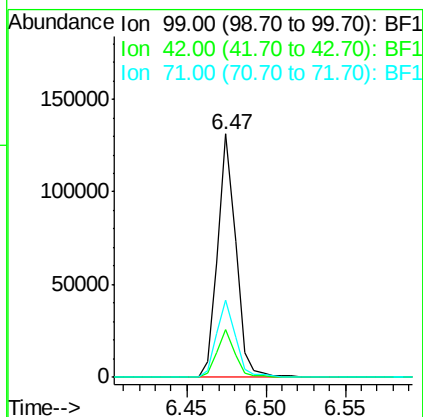
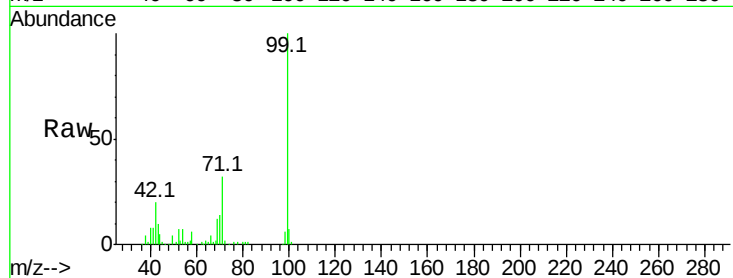
Tot Ion: 99 Resp: 105073

Ion Ratio Lower Upper

99 100

42 19.7 14.5 21.7

71 31.7 25.4 38.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.13 min Scan# 1028

Delta R.T. -0.01 min

Lab File: BF100985.D

Acq: 29 Nov 2017 18:31

Tgt Ion: 136 Resp: 298790

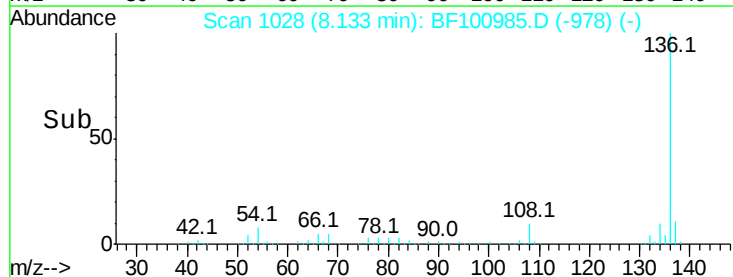
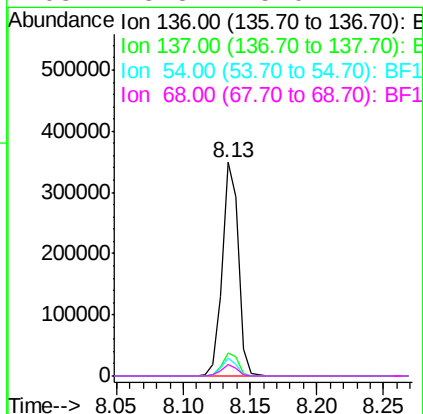
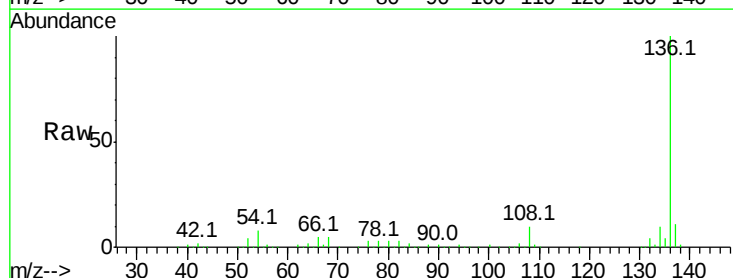
Ion Ratio Lower Upper

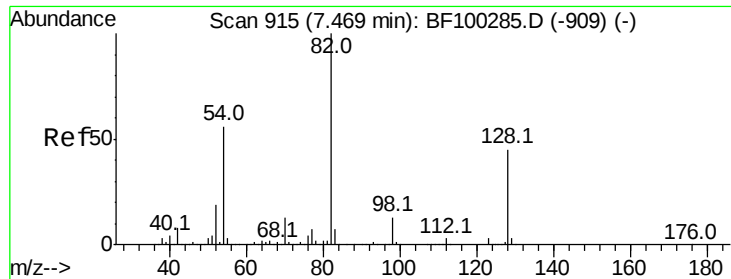
136 100

137 11.0 8.9 13.3

54 8.2 6.6 9.8

68 5.3 5.0 7.4

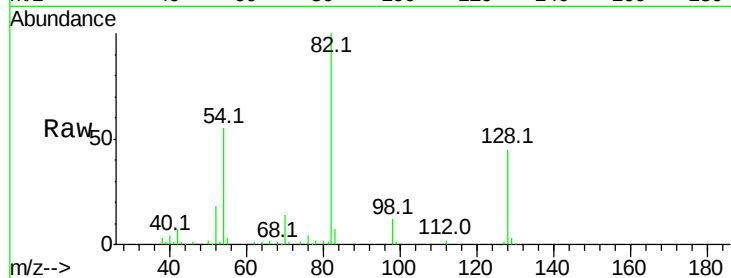




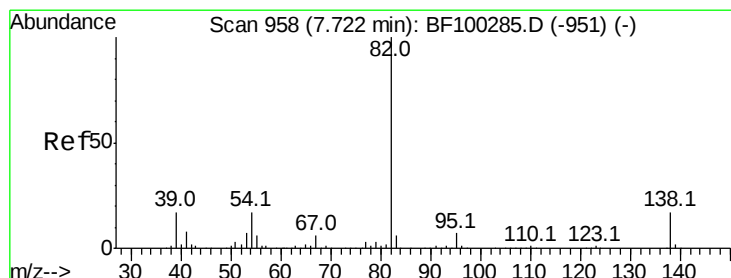
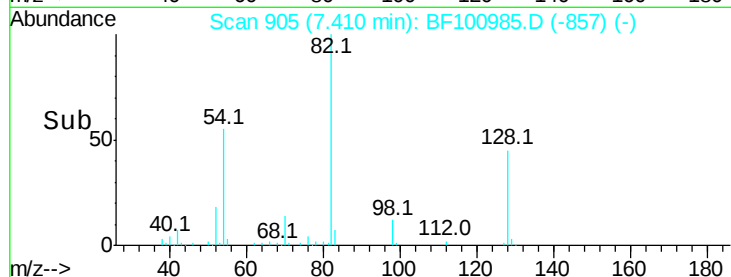
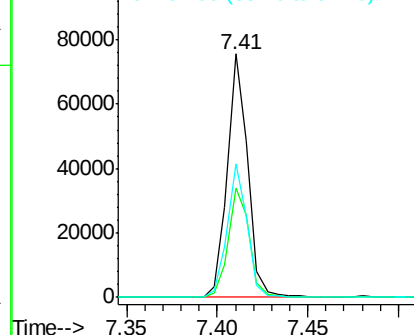
#23
 Nitrobenzene-d5
 Concen: 13.068 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.02 min
 Lab File: BF100985.D
 Acq: 29 Nov 2017 18:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	59057
Ion Ratio	100	Lower	Upper
128	44.9	36.1	54.1
54	54.7	41.4	62.2

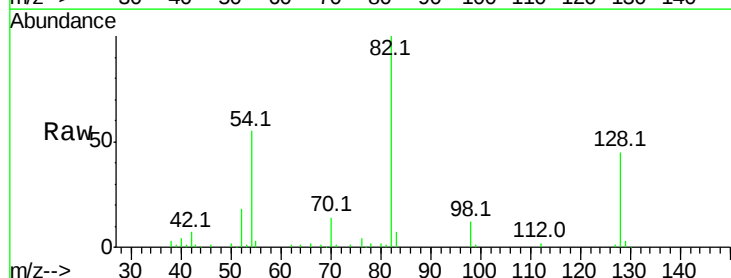


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

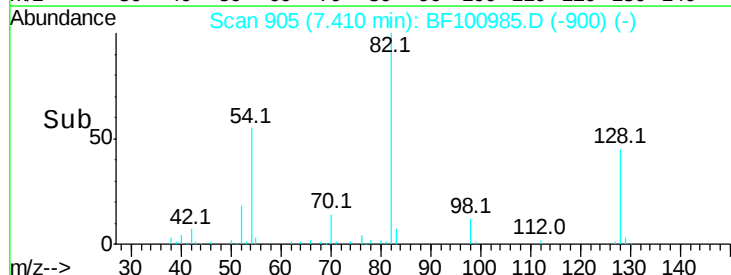
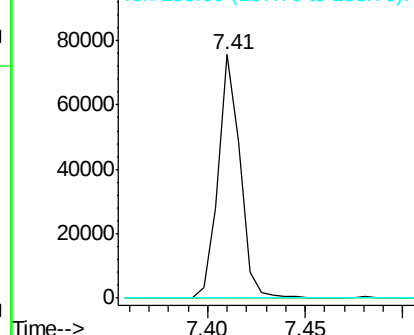


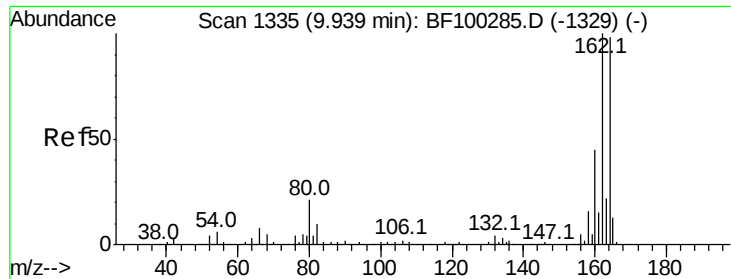
#25
 Isophorone
 Concen: 6.218 ng
 RT: 7.41 min Scan# 905
 Delta R.T. -0.27 min
 Lab File: BF100985.D
 Acq: 29 Nov 2017 18:31

Tgt Ion	82	Resp	59056
Ion Ratio	100	Lower	Upper
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#



Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 95.00 (94.70 to 95.70): BF1
 Ion 138.00 (137.70 to 138.70): BF1





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.89 min Scan# 1327

Delta R.T. -0.01 min

Lab File: BF100985.D

Acq: 29 Nov 2017 18:31

Instrument :

BNA_F

ClientSampleId :

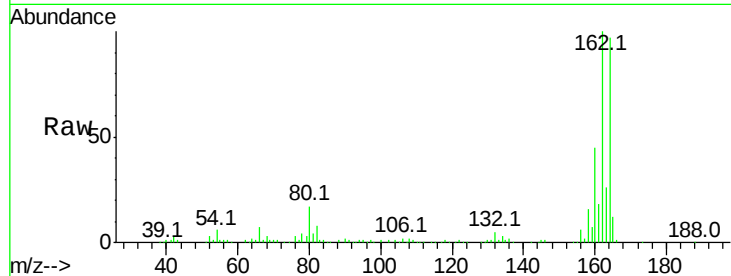
Tot Ion:164 Resp: 119492

Ion Ratio Lower Upper

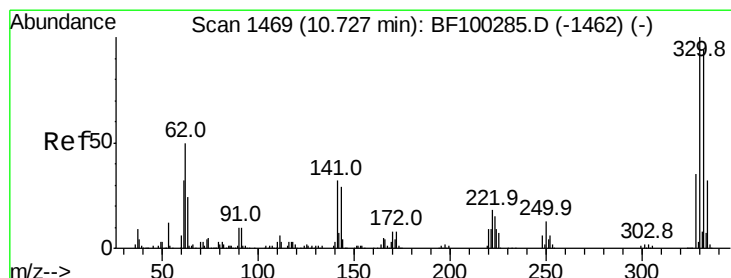
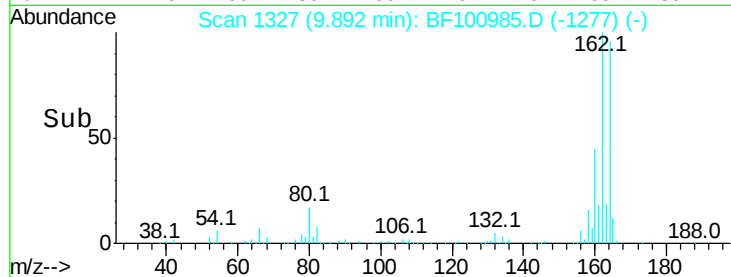
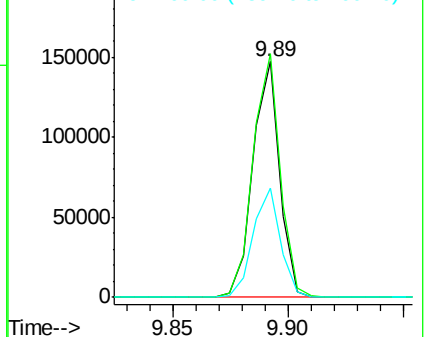
164 100

162 103.2 86.1 129.1

160 46.1 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: 17.529 ng

RT: 10.68 min Scan# 1461

Delta R.T. -0.01 min

Lab File: BF100985.D

Acq: 29 Nov 2017 18:31

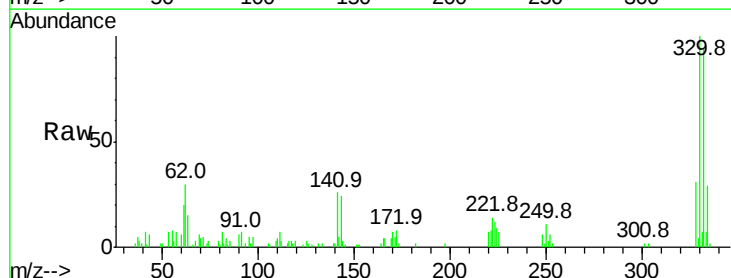
Tgt Ion:330 Resp: 21344

Ion Ratio Lower Upper

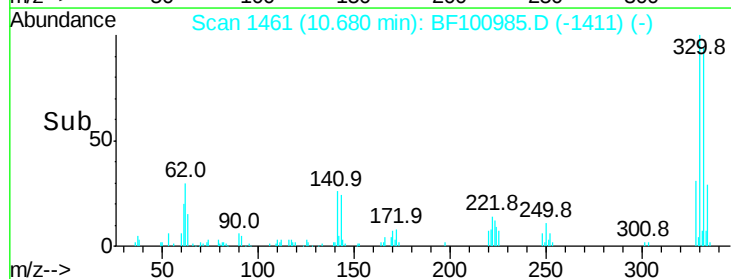
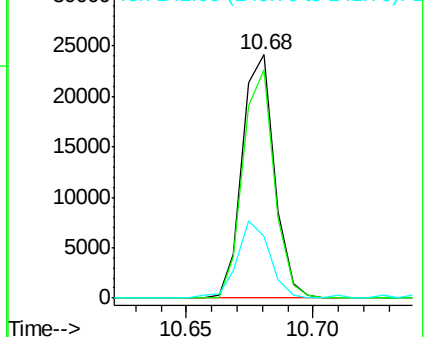
330 100

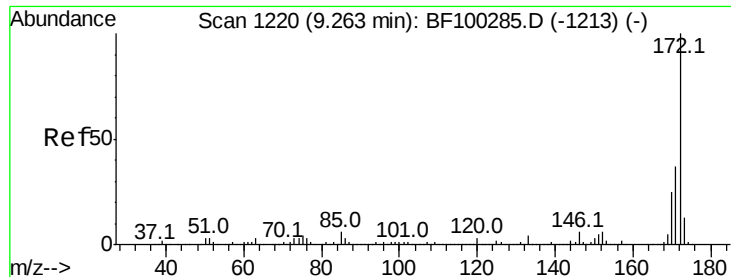
332 91.7 77.0 115.6

141 31.9 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

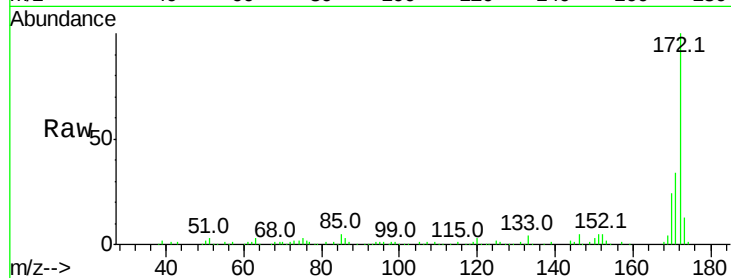




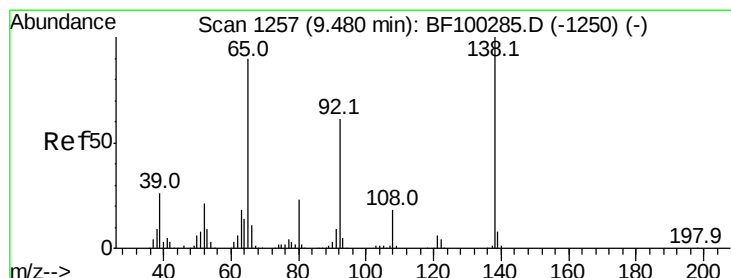
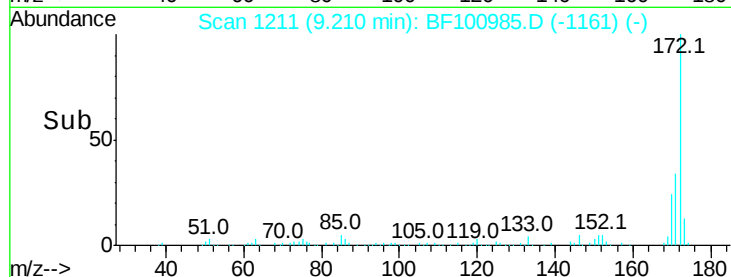
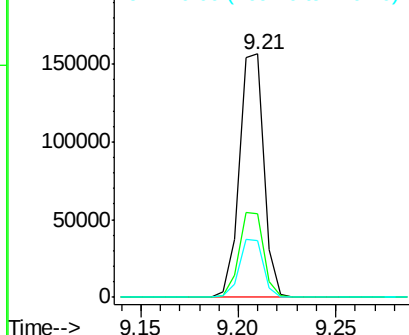
#44
2-Fluorobiphenyl
Concen: 17.382 ng
RT: 9.21 min Scan# 1211
Delta R.T. -0.01 min
Lab File: BF100985.D
Acq: 29 Nov 2017 18:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 136399
Ion Ratio Lower Upper
172 100
171 34.3 29.7 44.5
170 23.5 19.6 29.4

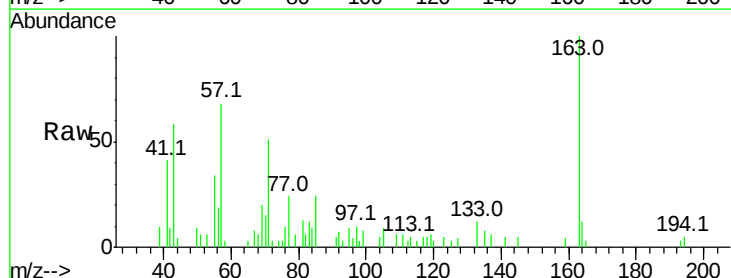


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

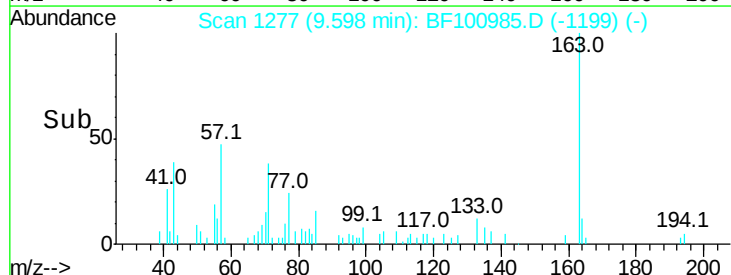
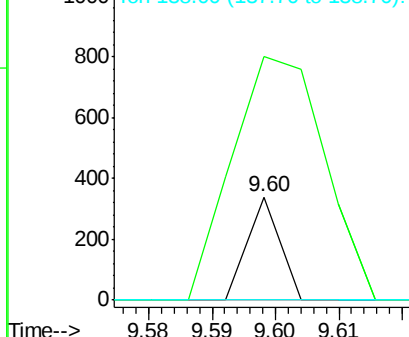


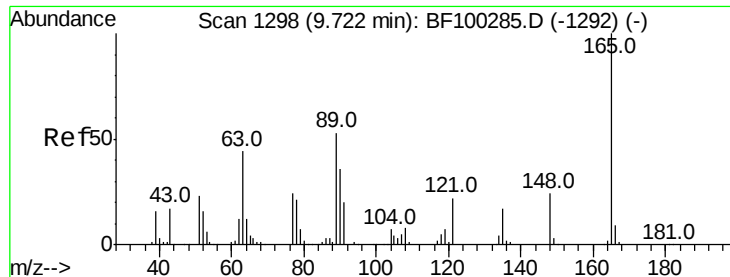
#47
2-Nitroaniline
Concen: 2.835 ng
RT: 9.60 min Scan# 1277
Delta R.T. 0.16 min
Lab File: BF100985.D
Acq: 29 Nov 2017 18:31

Tgt Ion: 65 Resp: 120
Ion Ratio Lower Upper
65 100
92 236.0 55.8 83.6#
138 0.0 91.2 136.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1
Ion 138.00 (137.70 to 138.70): E

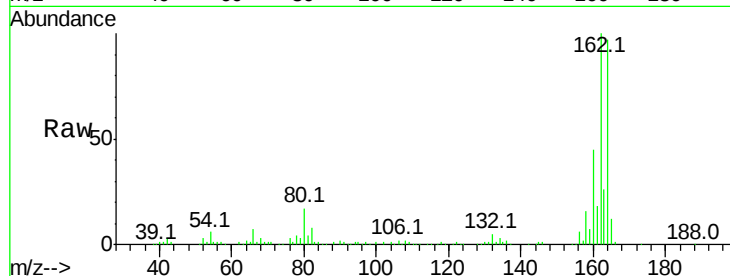




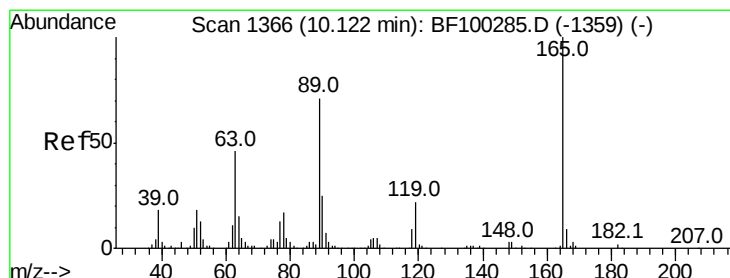
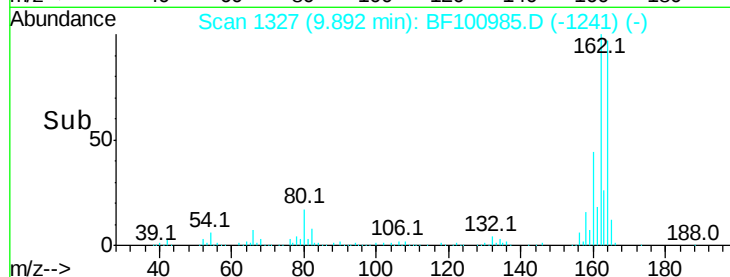
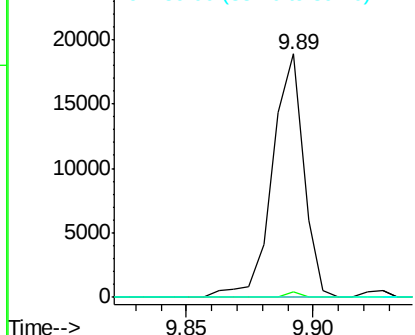
#50
 2,6-Dinitrotoluene
 Concen: 8.956 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. 0.21 min
 Lab File: BF100985.D
 Acq: 29 Nov 2017 18:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 16173
 Ion Ratio Lower Upper
 165 100
 63 2.2 44.7 67.1#
 89 0.0 44.0 66.0#



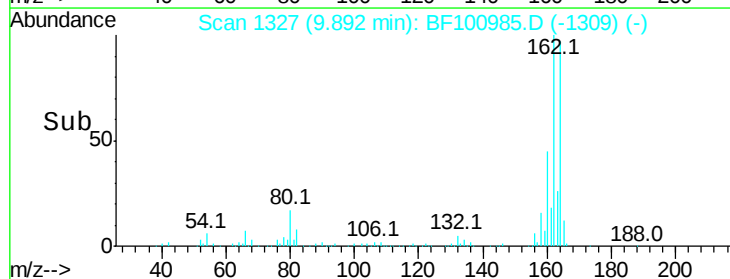
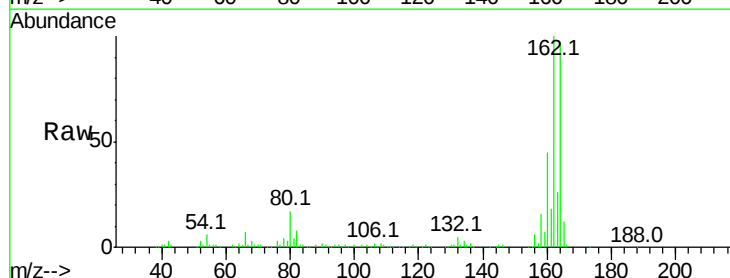
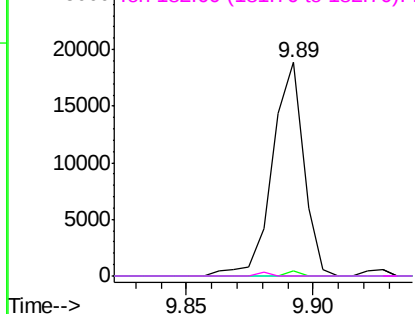
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

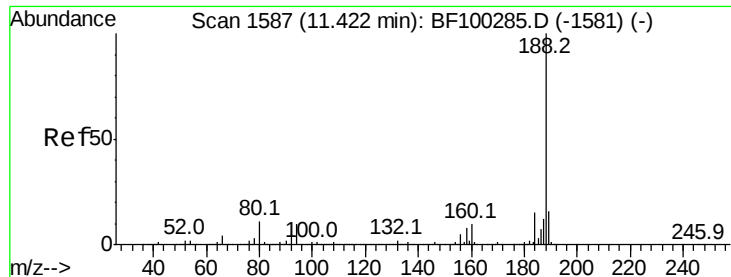


#56
 2,4-Dinitrotoluene
 Concen: 7.099 ng
 RT: 9.89 min Scan# 1327
 Delta R.T. -0.19 min
 Lab File: BF100985.D
 Acq: 29 Nov 2017 18:31

Tgt Ion:165 Resp: 16173
 Ion Ratio Lower Upper
 165 100
 63 2.2 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): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

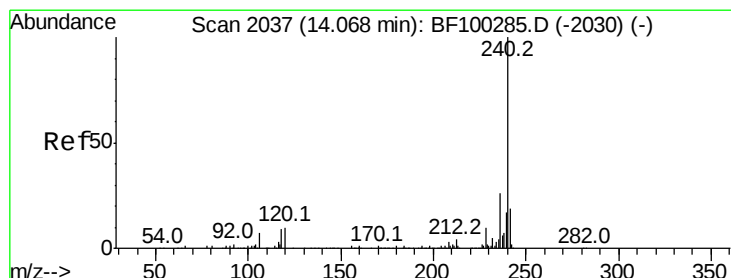
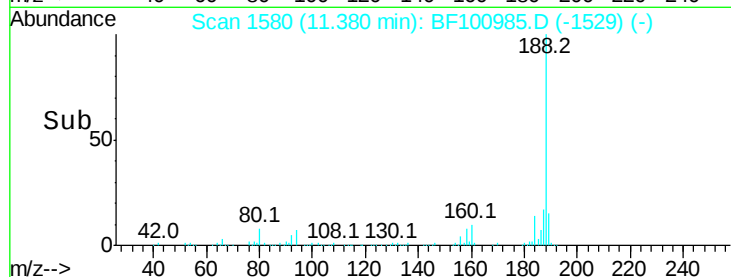
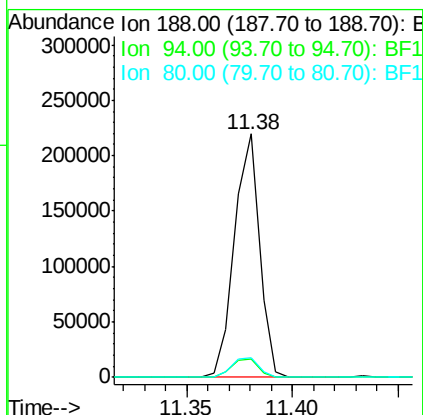
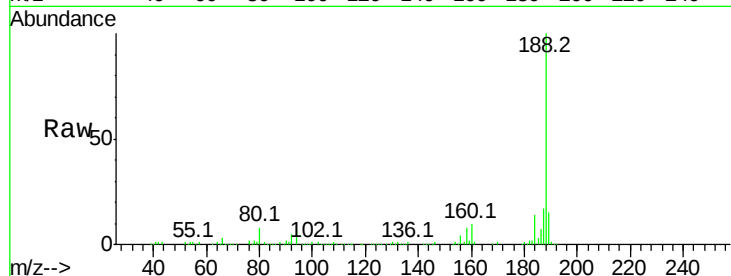




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.38 min Scan# 1580
Delta R.T. -0.00 min
Lab File: BF100985.D
Acq: 29 Nov 2017 18:31

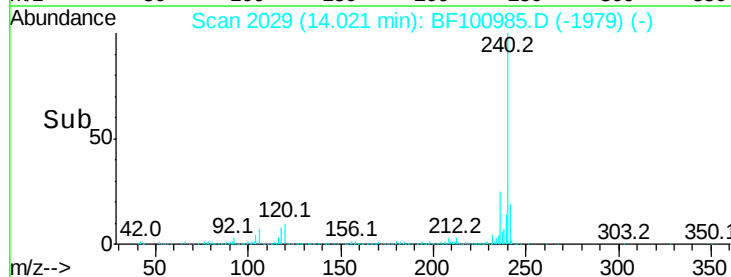
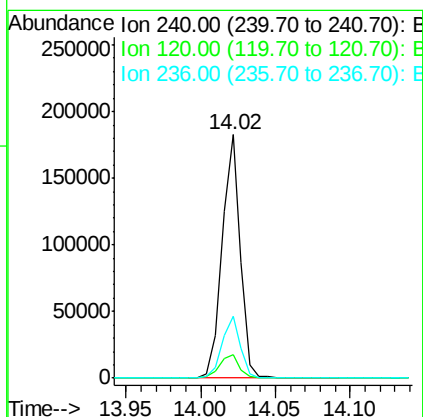
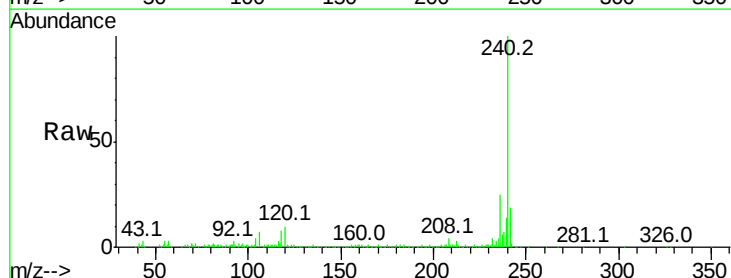
Instrument :
BNA_F
ClientSampleId :

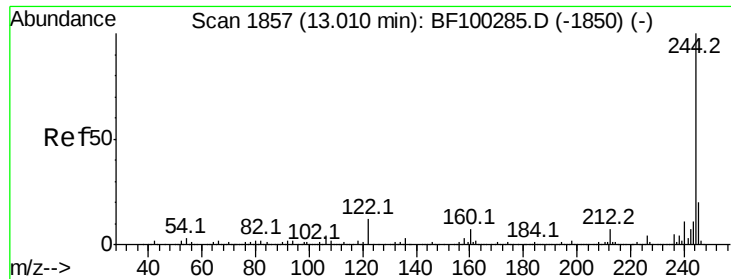
Tot Ion:188 Resp: 179948
Ion Ratio Lower Upper
188 100
94 7.4 8.5 12.7#
80 7.9 9.2 13.8#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2029
Delta R.T. -0.01 min
Lab File: BF100985.D
Acq: 29 Nov 2017 18:31

Tgt Ion:240 Resp: 156985
Ion Ratio Lower Upper
240 100
120 9.7 9.5 14.3
236 25.3 20.7 31.1

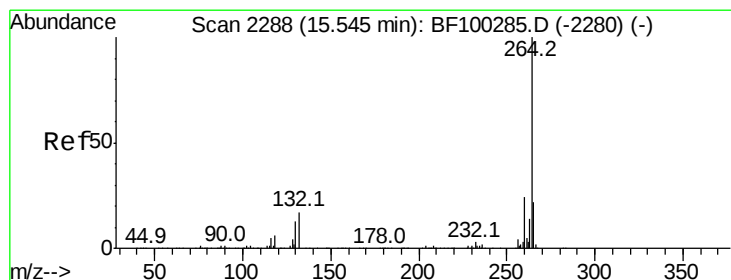
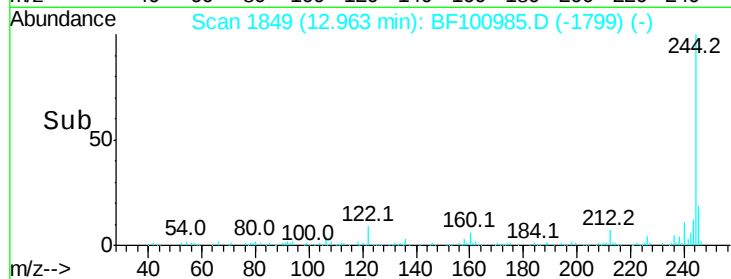
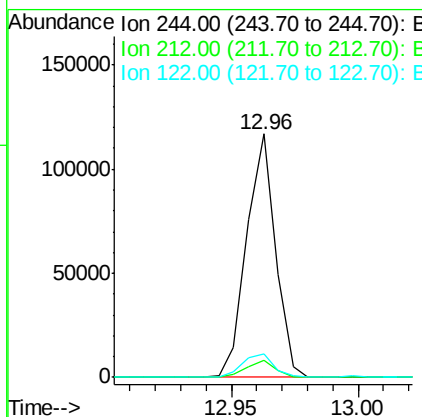
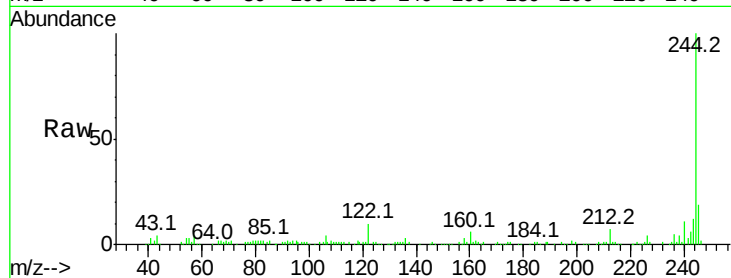




#78
 Terphenyl-d14
 Concen: 13.587 ng
 RT: 12.96 min Scan# 1849
 Delta R.T. -0.01 min
 Lab File: BF100985.D
 Acq: 29 Nov 2017 18:31

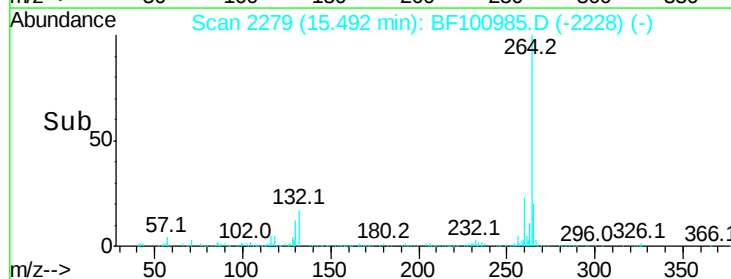
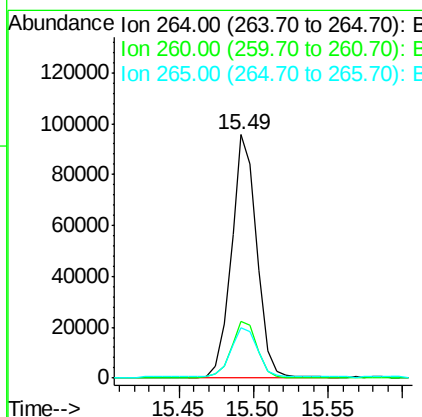
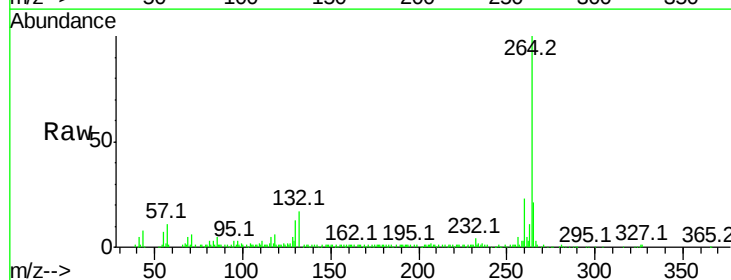
Instrument :
 BNA_F
 ClientSampleId :

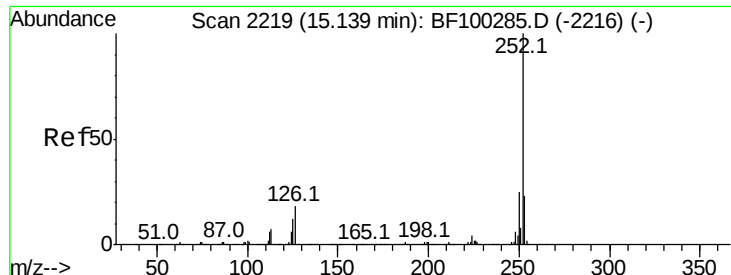
Tot Ion:244 Resp: 92828
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 9.5 11.0 16.4#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2279
 Delta R.T. -0.00 min
 Lab File: BF100985.D
 Acq: 29 Nov 2017 18:31

Tgt Ion:264 Resp: 113909
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.2 28.8
 265 20.9 17.5 26.3





#88

Benzo(k)fluoranthene

Concen: 2.018 ng

RT: 15.06 min Scan# 2206

Delta R.T. -0.04 min

Lab File: BF100985.D

Acq: 29 Nov 2017 18:31

Instrument :

BNA_F

ClientSampleId :

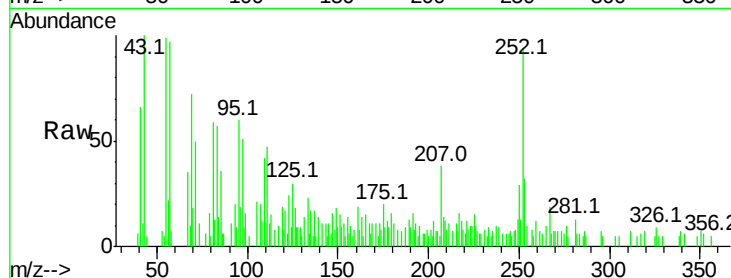
Tot Ion: 252 Resp: 12870

Ion Ratio Lower Upper

252 100

253 33.4 17.9 26.9#

125 32.2 10.2 15.2#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

