

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041818\
 Data File : BF104602.D
 Acq On : 18 Apr 2018 15:31
 Operator : JU/SJ
 Sample : J2424-03
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

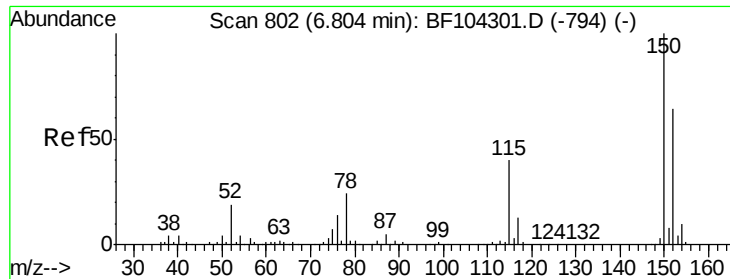
Quant Time: Apr 18 16:22:20 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 18 11:52:19 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	125563	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	497044	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	200021	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	302625	20.00	ng	0.00
75) Chrysene-d12	13.97	240	269426	20.00	ng	0.00
86) Perylene-d12	15.44	264	289959	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.42	112	738561	89.94	ng	0.00
7) Phenol-d6	6.44	99	879579	87.18	ng	0.00
23) Nitrobenzene-d5	7.37	82	548968	72.12	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	178491	86.03	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	840077	66.35	ng	0.00
78) Terphenyl-d14	12.92	244	619689	52.44	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	71074	10.780	ng	# 72
25) Isophorone	7.37	82	549046	34.110	ng	# 64
49) Dimethylphthalate	9.56	163	61140	3.876	ng	# 99
50) 2,6-Dinitrotoluene	9.84	165	24539	8.408	ng	# 25
56) 2,4-Dinitrotoluene	9.84	165	24539	6.410	ng	# 22
64) 4,6-Dinitro-2-methylphenol	10.63	198	192	7.457	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	10434	3.241	ng	# 1
76) Benzidine	12.92	184	7509	Below Cal		97
87) Benzo(b)fluoranthene	15.01	252	37667	2.057	ng	# 91
88) Benzo(k)fluoranthene	15.01	252	37667	2.179	ng	# 94

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

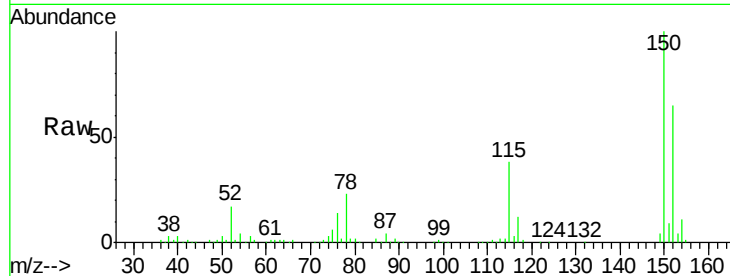


#1

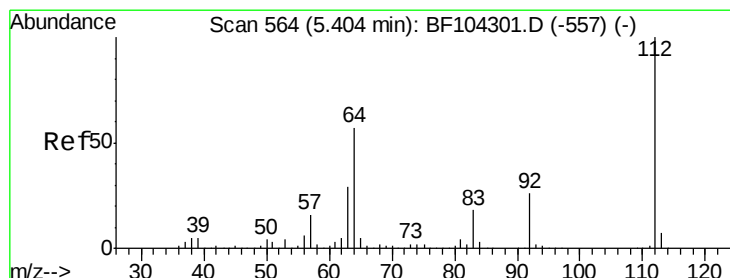
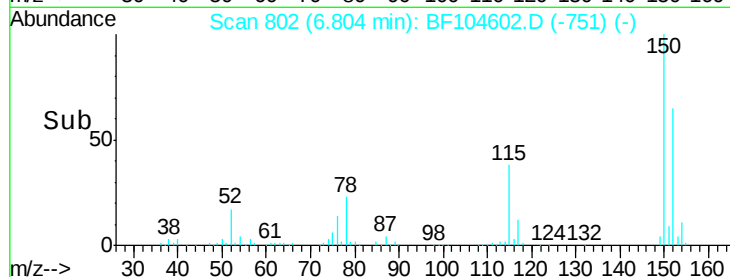
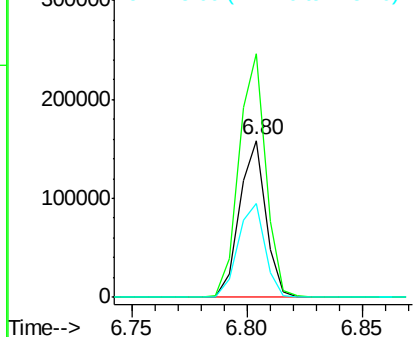
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104602.D
Acq: 18 Apr 2018 15:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 125563
Ion Ratio Lower Upper
152 100
150 155.0 124.6 186.8
115 59.7 50.1 75.1



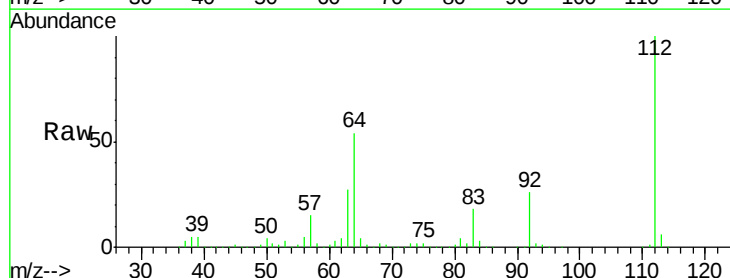
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



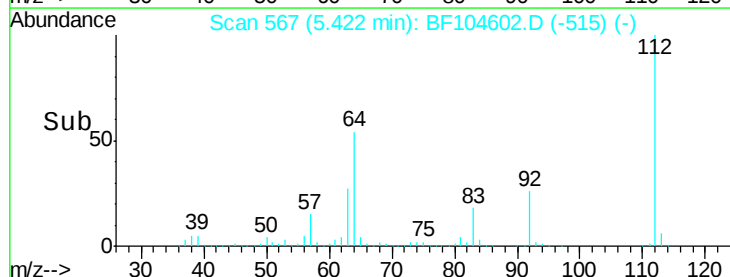
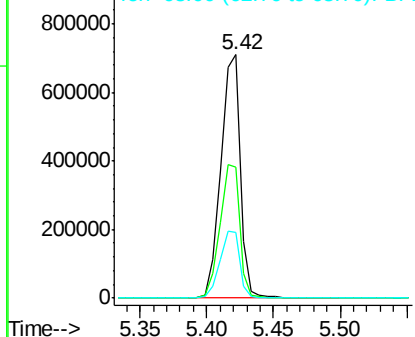
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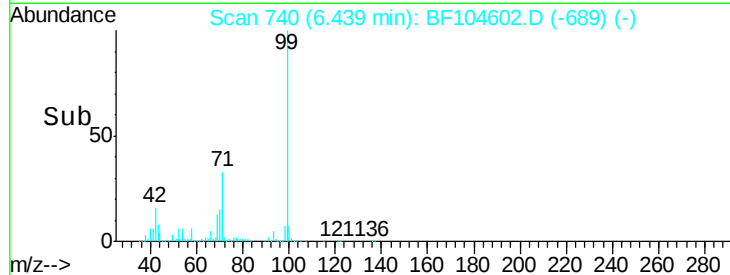
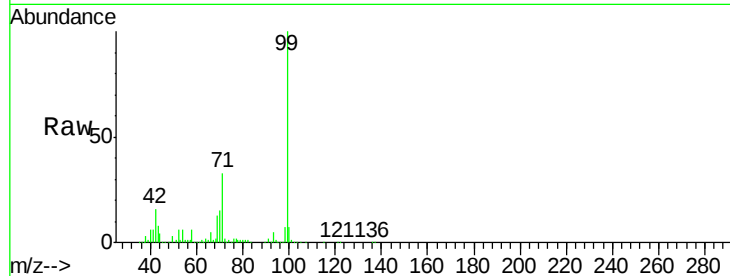
2-Fluorophenol
Concen: 89.939 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104602.D
Acq: 18 Apr 2018 15:31

Tgt Ion:112 Resp: 738561
Ion Ratio Lower Upper
112 100
64 53.9 47.9 71.9
63 26.9 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: 87.177 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.00 min

Lab File: BF104602.D

Acq: 18 Apr 2018 15:31

Instrument :

BNA_F

ClientSampleId :

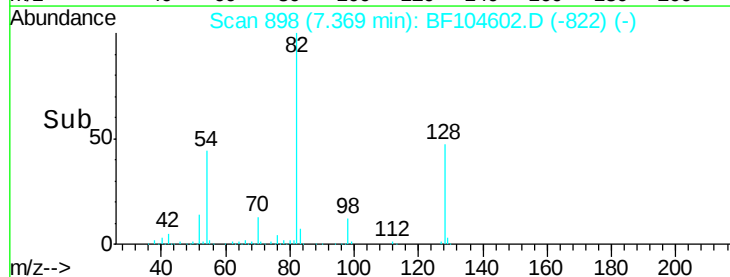
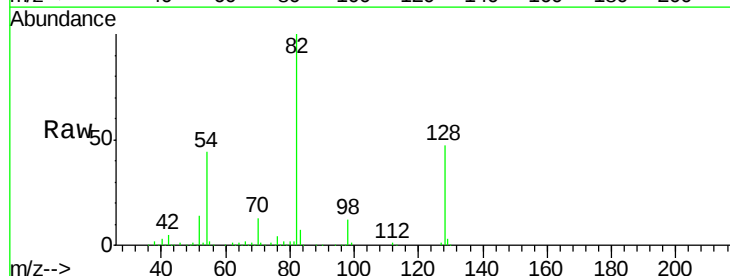
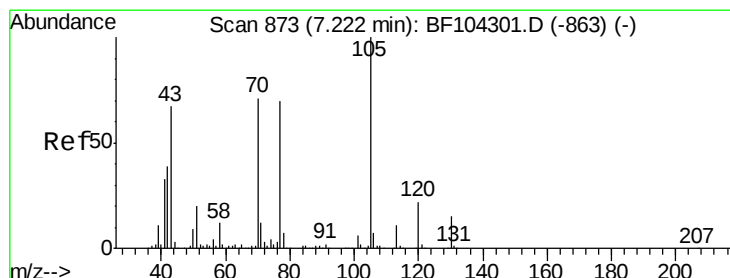
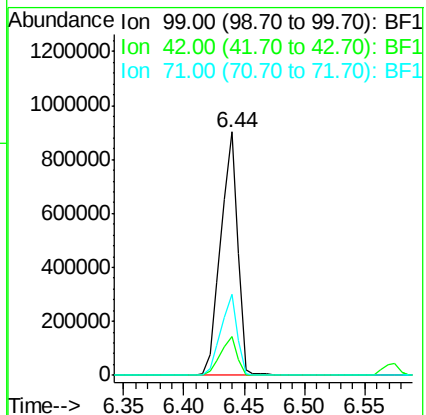
Tot Ion: 99 Resp: 879579

Ion Ratio Lower Upper

99 100

42 15.9 14.5 21.7

71 33.4 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 10.780 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104602.D

Acq: 18 Apr 2018 15:31

Tgt Ion: 70 Resp: 71074

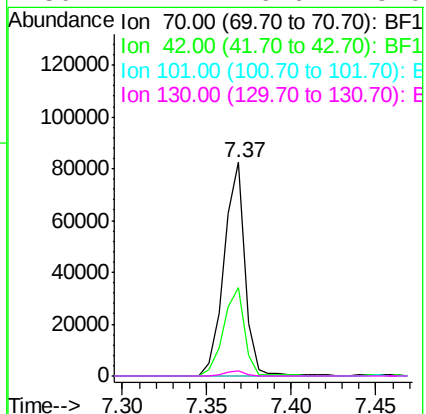
Ion Ratio Lower Upper

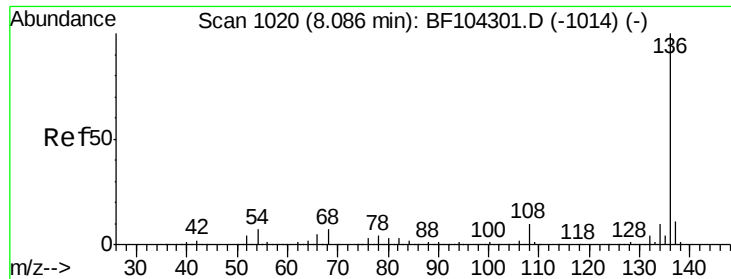
70 100

42 41.3 47.5 71.3#

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

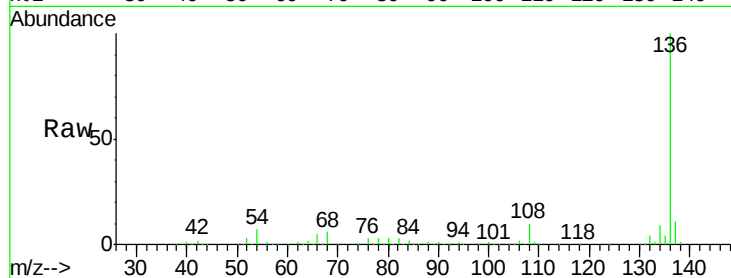




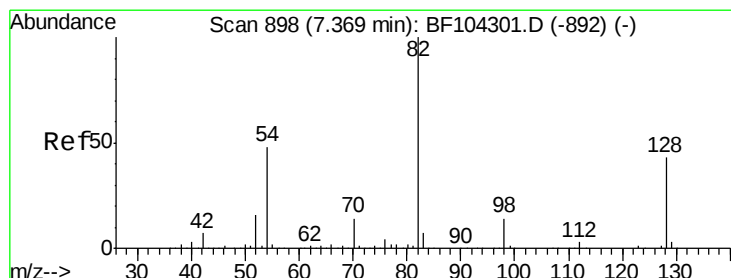
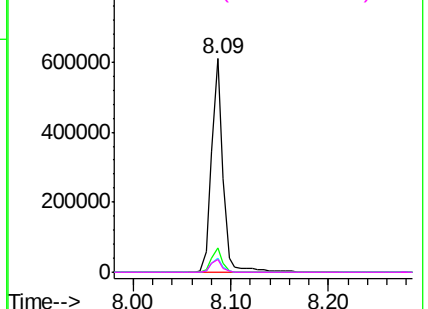
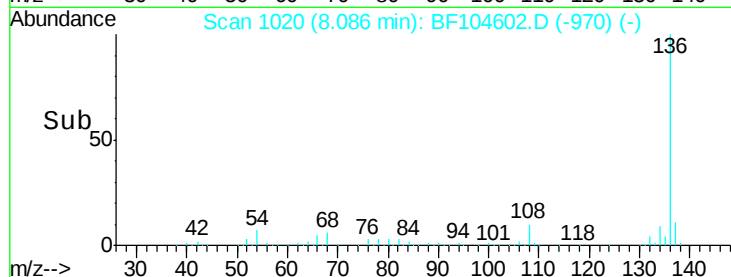
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF104602.D
Acq: 18 Apr 2018 15:31

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	497044
Ion	Ratio	Lower Upper
136	100	
137	11.2	8.9 13.3
54	6.6	6.6 9.8
68	6.1	5.0 7.4

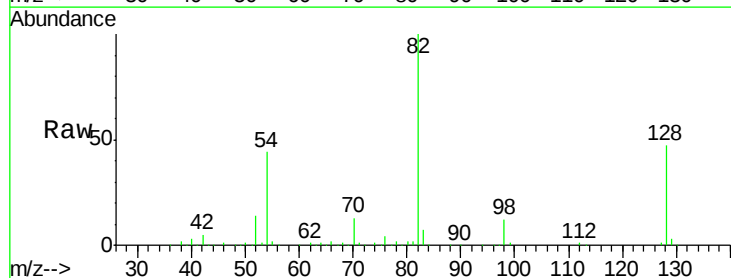


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

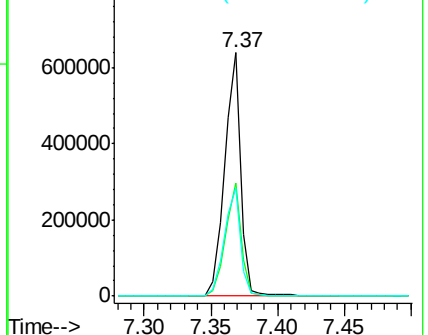
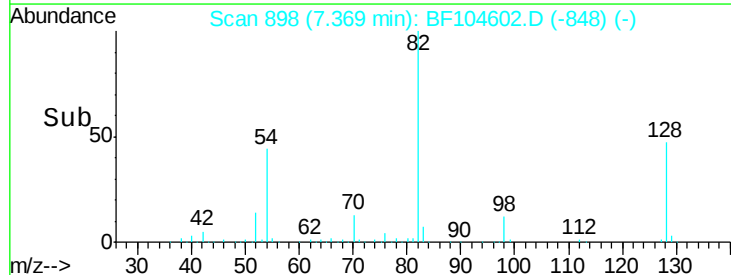


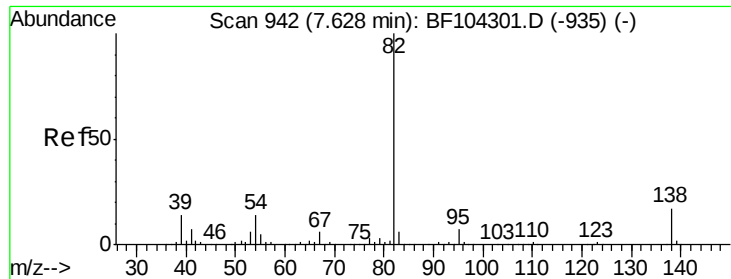
#23
Nitrobenzene-d5
Concen: 72.119 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104602.D
Acq: 18 Apr 2018 15:31

Tgt Ion: 82	Resp:	548968
Ion	Ratio	Lower Upper
82	100	
128	46.6	36.1 54.1
54	44.2	41.4 62.2



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





#25

Isophorone

Concen: 34.110 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104602.D

Acq: 18 Apr 2018 15:31

Instrument :

BNA_F

ClientSampleId :

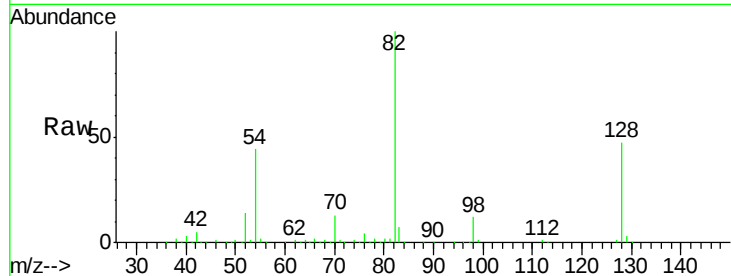
Tot Ion: 82 Resp: 549046

Ion Ratio Lower Upper

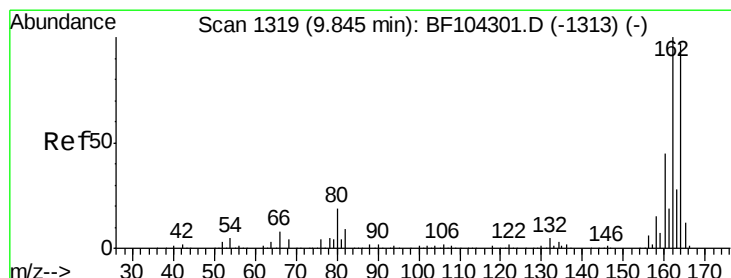
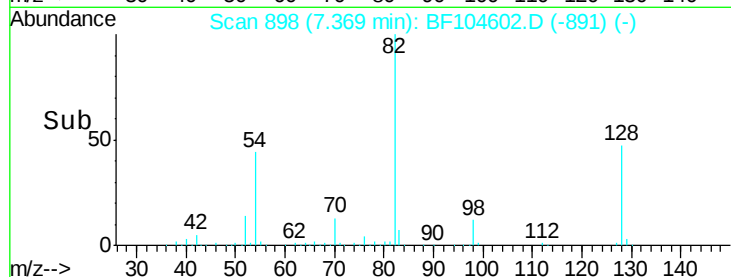
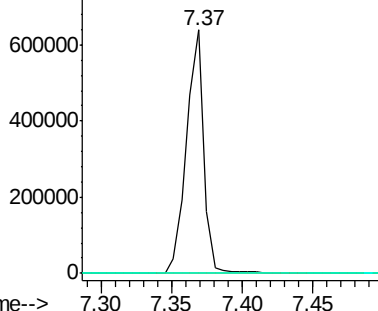
82 100

95 0.0 5.2 7.8#

138 0.0 14.9 22.3#



Abundance Ion 82.00 (81.70 to 82.70): 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: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF104602.D

Acq: 18 Apr 2018 15:31

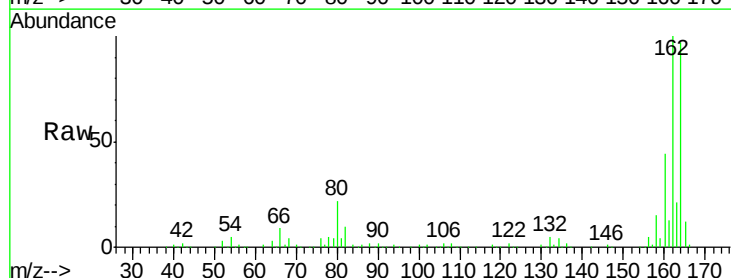
Tgt Ion:164 Resp: 200021

Ion Ratio Lower Upper

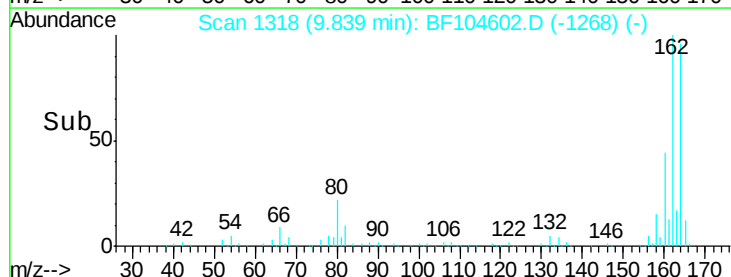
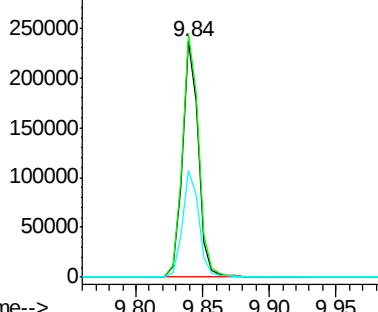
164 100

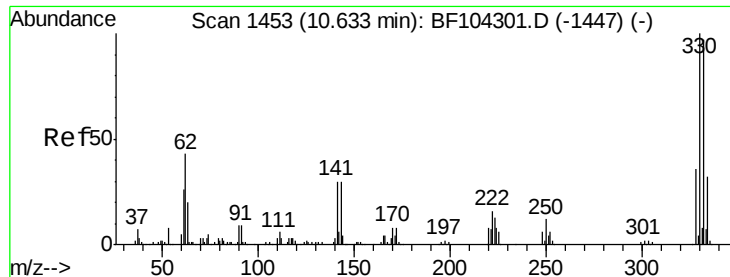
162 103.4 86.1 129.1

160 45.1 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

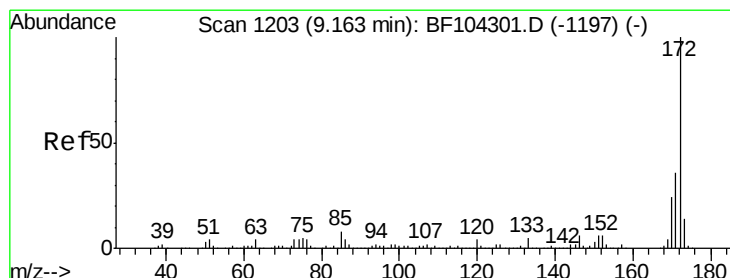
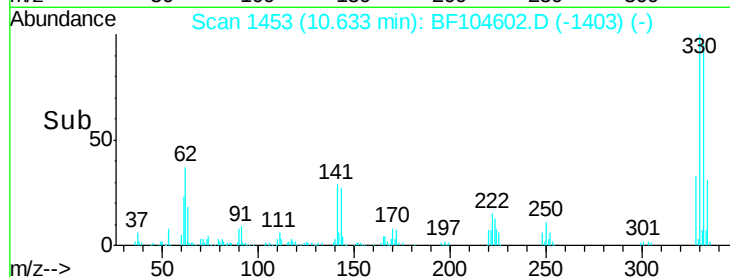
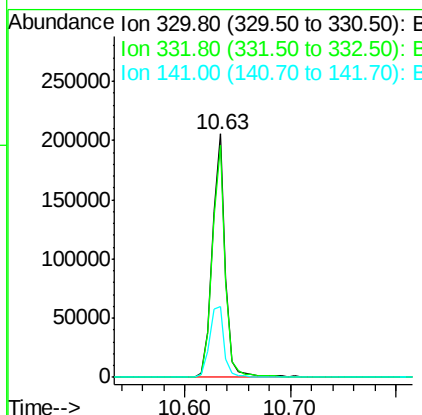
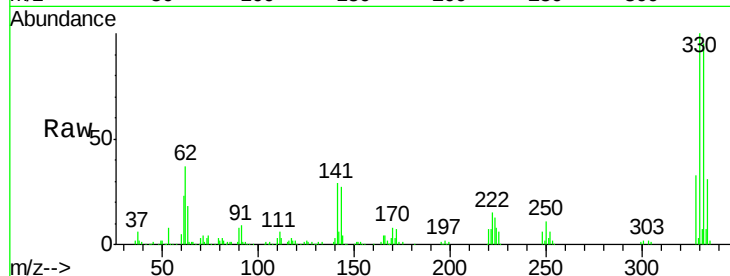




#41
 2,4,6-Tribromophenol
 Concen: 86.025 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104602.D
 Acq: 18 Apr 2018 15:31

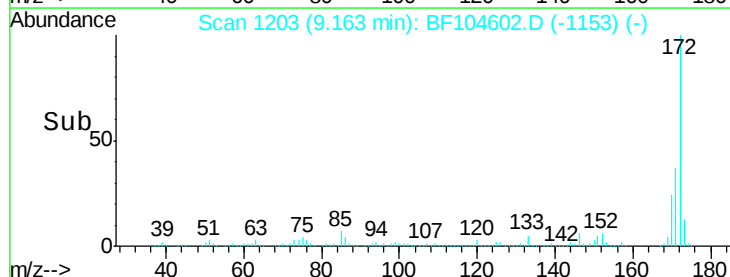
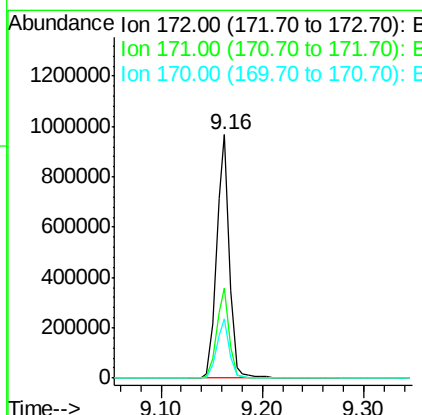
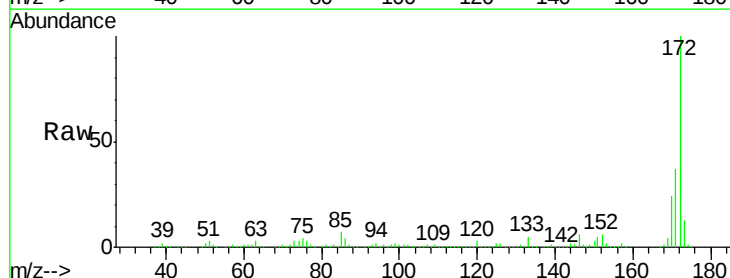
Instrument :
 BNA_F
 ClientSampleId :

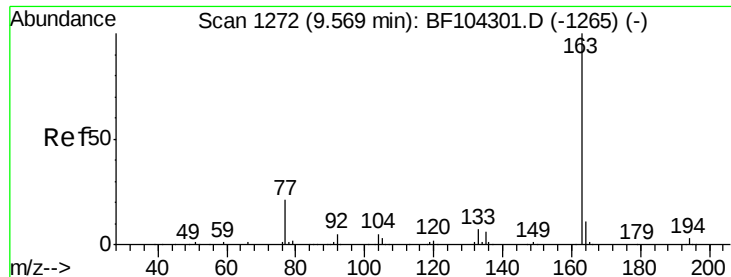
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.0	115.6
141	33.1	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 66.349 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF104602.D
 Acq: 18 Apr 2018 15:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.7	44.5
170	24.2	19.6	29.4

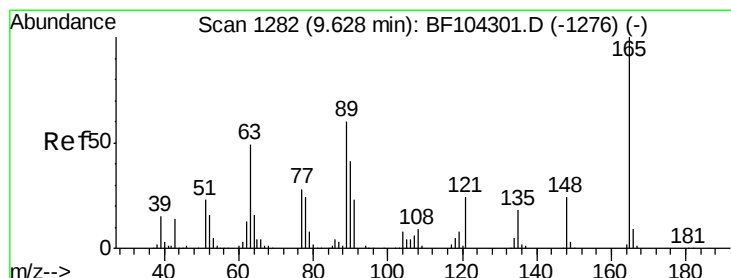
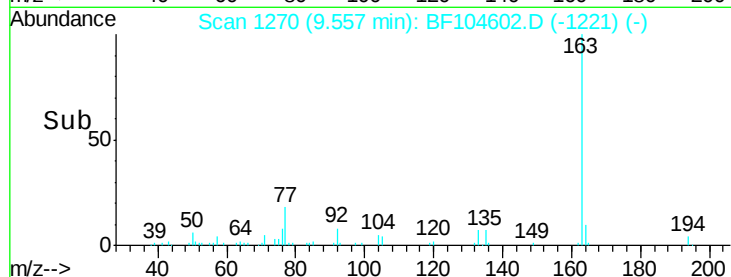
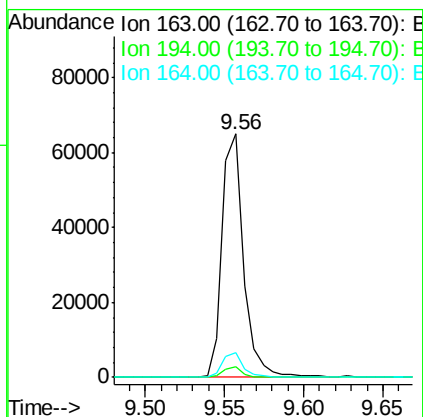
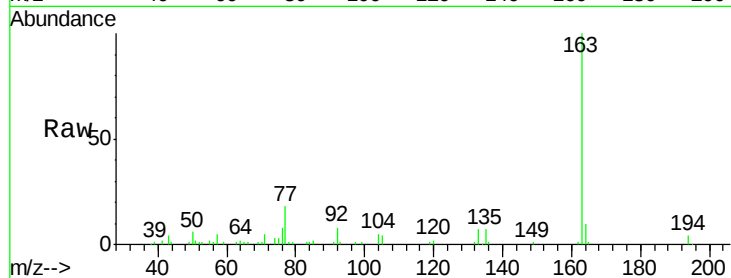




#49
Dimethylphthalate
Concen: 3.876 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF104602.D
Acq: 18 Apr 2018 15:31

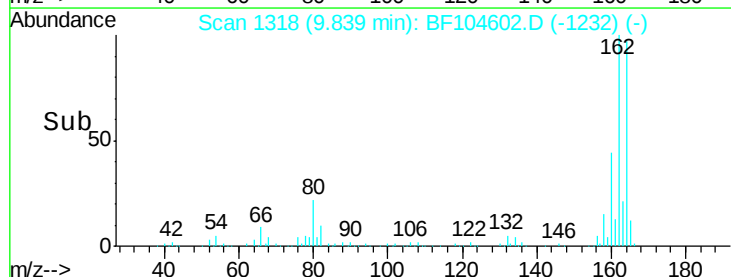
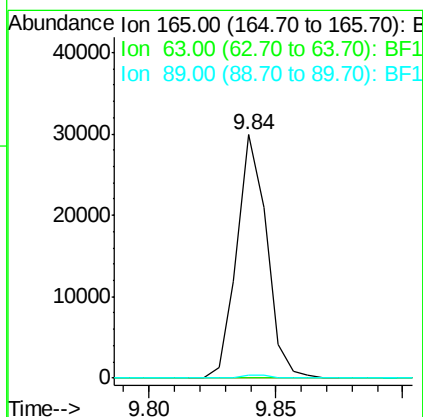
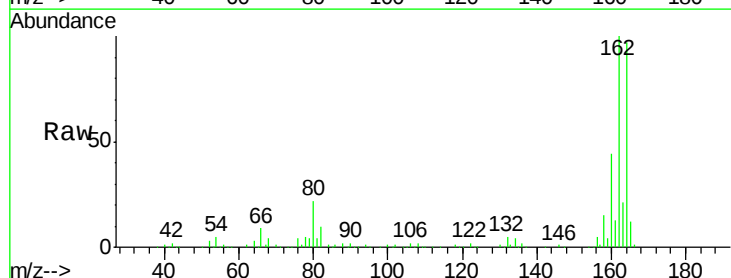
Instrument :
BNA_F
ClientSampleId :

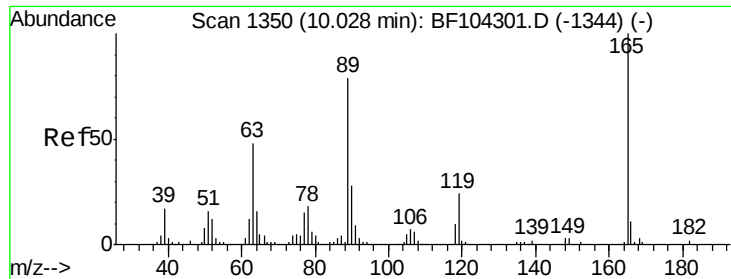
Tot Ion:163 Resp: 61140
Ion Ratio Lower Upper
163 100
194 4.2 2.7 4.1#
164 10.1 8.2 12.2



#50
2,6-Dinitrotoluene
Concen: 8.408 ng
RT: 9.84 min Scan# 1318
Delta R.T. 0.21 min
Lab File: BF104602.D
Acq: 18 Apr 2018 15:31

Tgt Ion:165 Resp: 24539
Ion Ratio Lower Upper
165 100
63 0.0 44.7 67.1#
89 1.3 44.0 66.0#

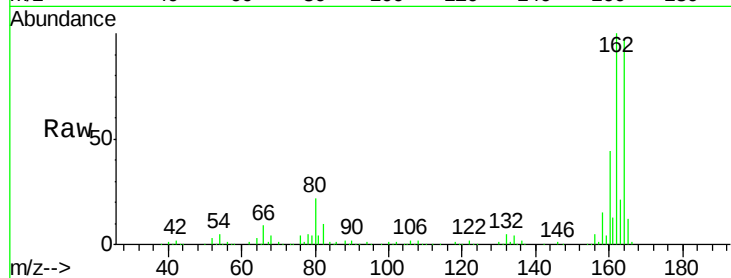




#56
 2,4-Dinitrotoluene
 Concen: 6.410 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.20 min
 Lab File: BF104602.D
 Acq: 18 Apr 2018 15:31

Instrument :
 BNA_F
 ClientSampleId :

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

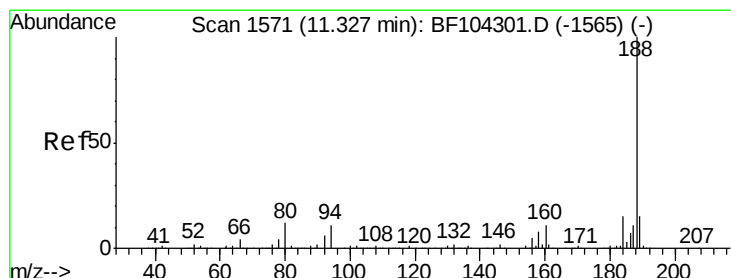
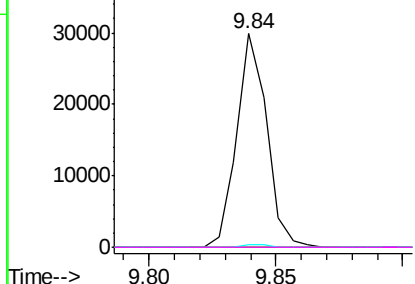
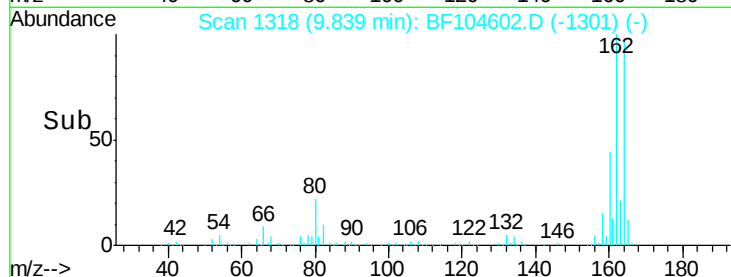


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

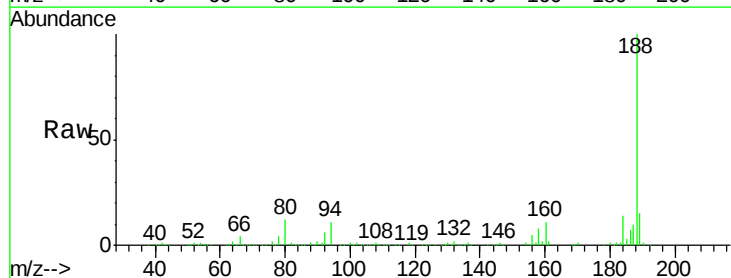
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF104602.D
 Acq: 18 Apr 2018 15:31

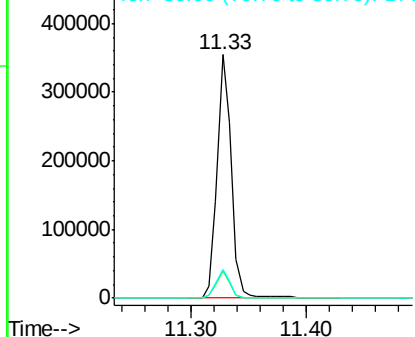
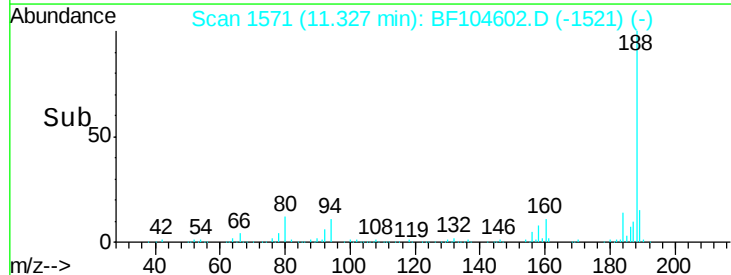
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.5	8.5	12.7
80	11.8	9.2	13.8

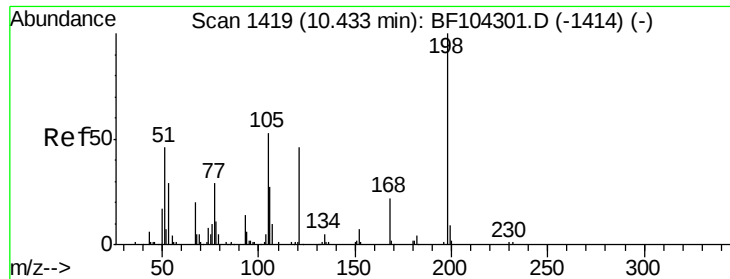


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

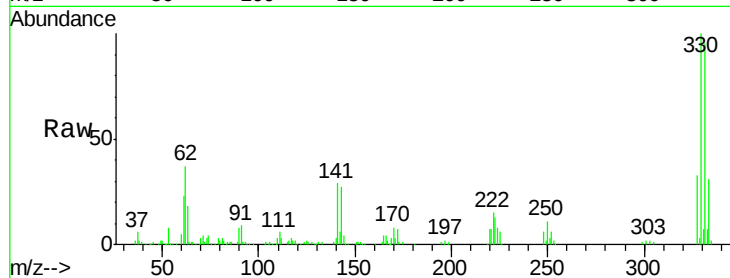




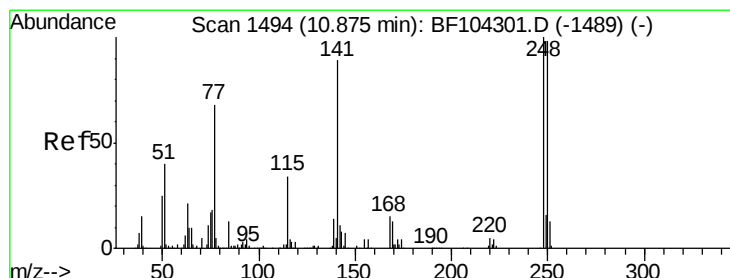
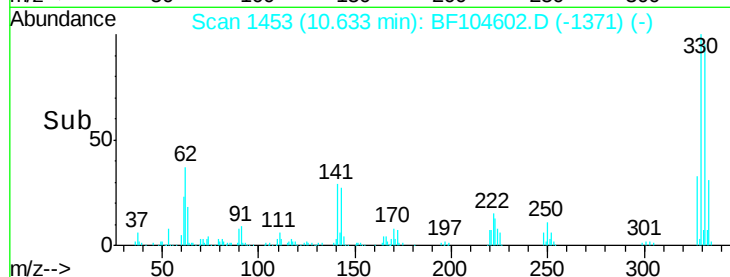
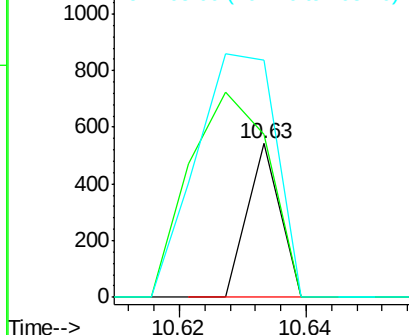
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.457 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.18 min
 Lab File: BF104602.D
 Acq: 18 Apr 2018 15:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 192
 Ion Ratio Lower Upper
 198 100
 51 105.9 37.7 77.7#
 105 154.1 36.3 76.3#

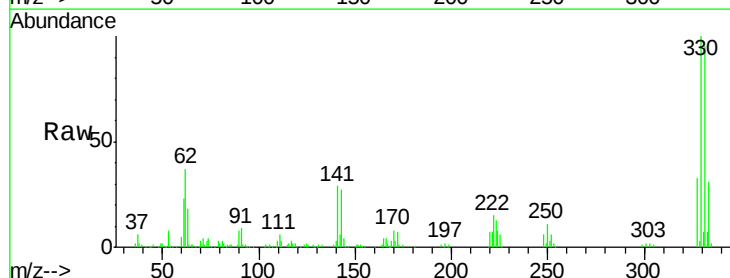


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

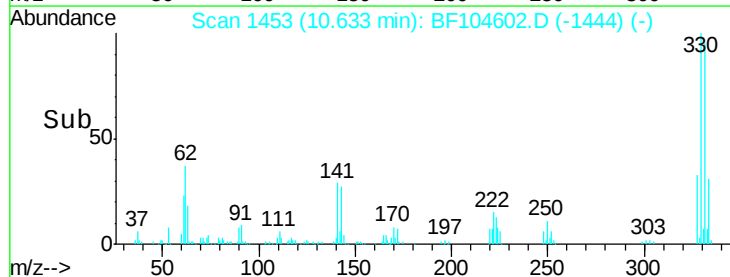
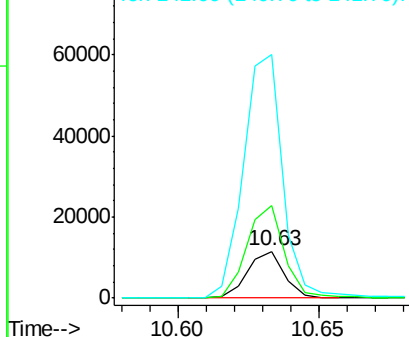


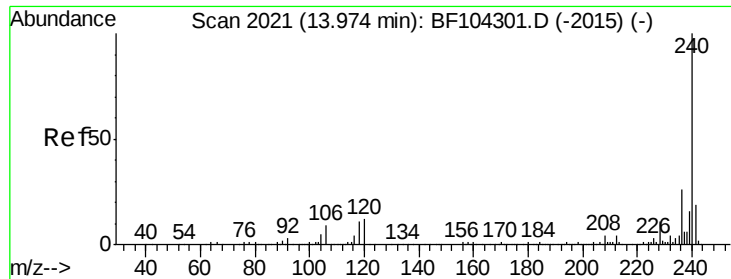
#66
 4-Bromophenyl-phenylether
 Concen: 3.241 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.25 min
 Lab File: BF104602.D
 Acq: 18 Apr 2018 15:31

Tgt Ion:248 Resp: 10434
 Ion Ratio Lower Upper
 248 100
 250 196.1 76.9 115.3#
 141 518.3 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: 13.97 min Scan# 2021

Delta R.T. -0.01 min

Lab File: BF104602.D

Acq: 18 Apr 2018 15:31

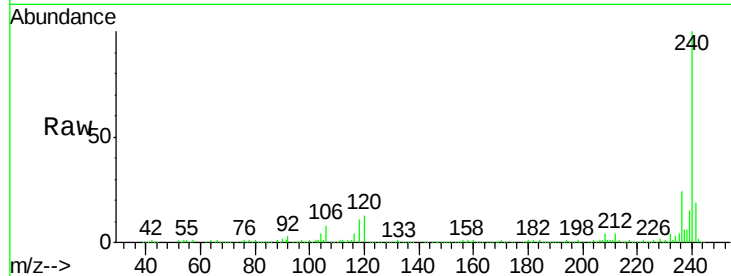
Instrument :

BNA_F

ClientSampleId :

Tot Ion:240 Resp: 269426

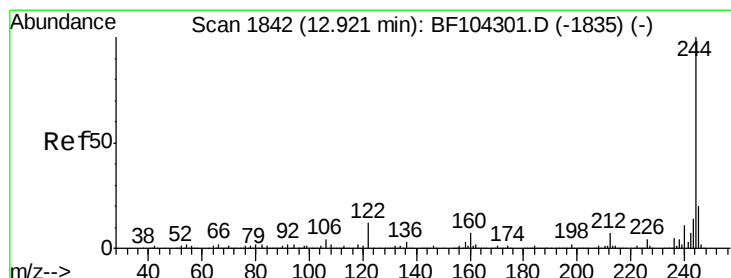
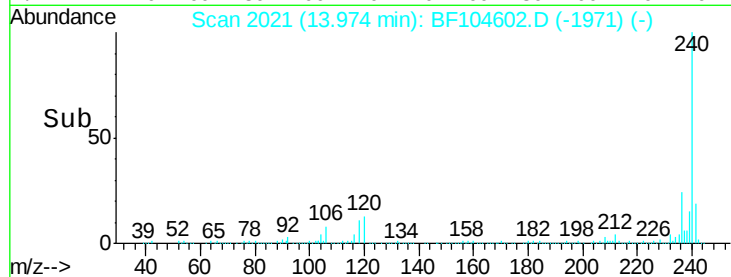
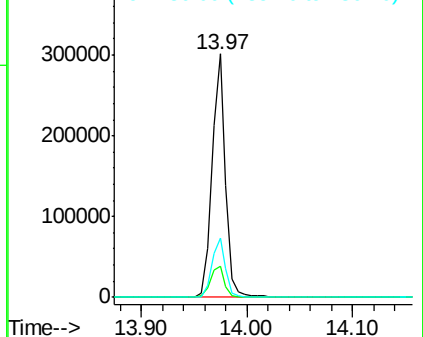
Ion	Ratio	Lower	Upper
240	100		
120	12.7	9.5	14.3
236	24.4	20.7	31.1



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: 52.437 ng

RT: 12.92 min Scan# 1841

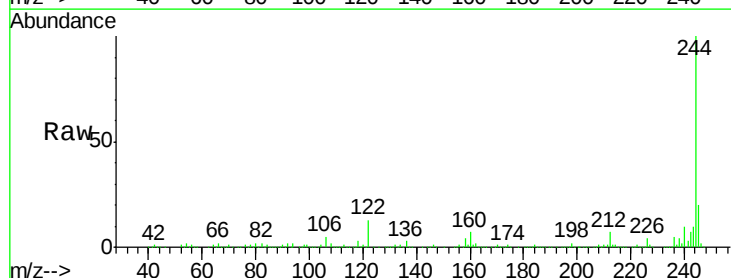
Delta R.T. -0.01 min

Lab File: BF104602.D

Acq: 18 Apr 2018 15:31

Tgt Ion:244 Resp: 619689

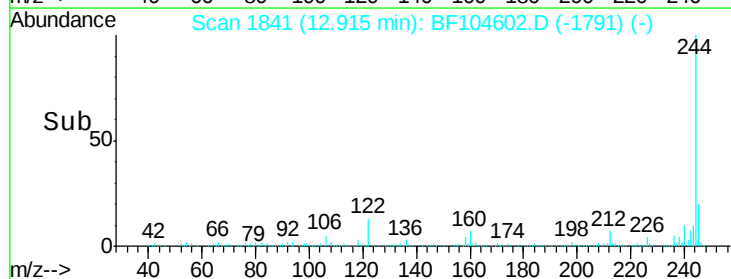
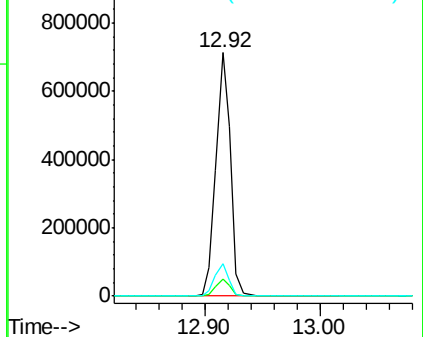
Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.0
122	13.1	11.0	16.4

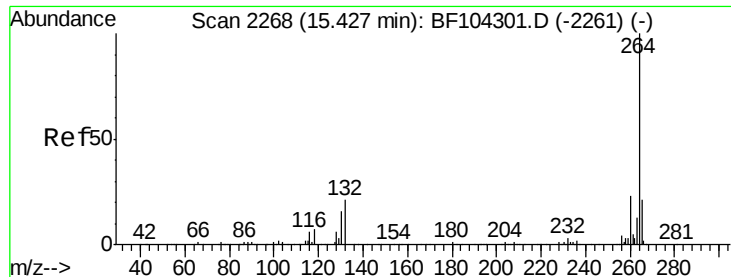


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

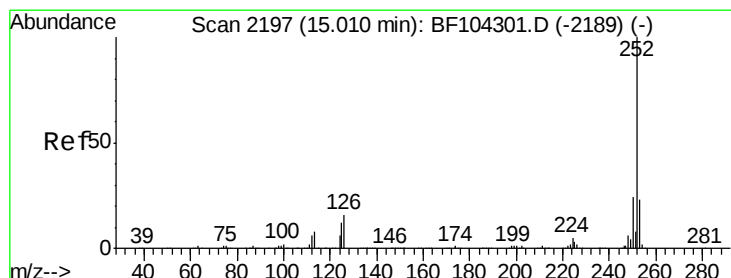
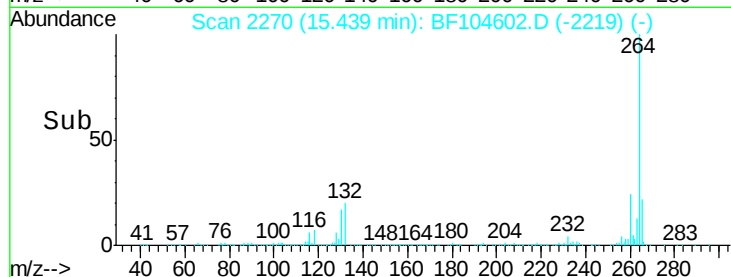
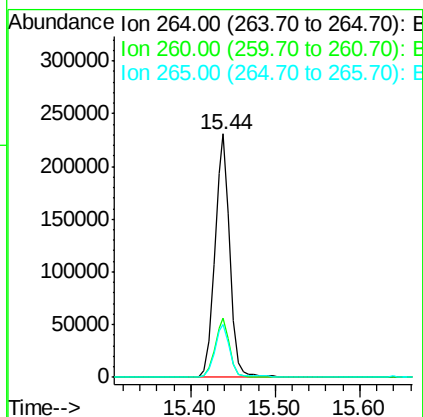
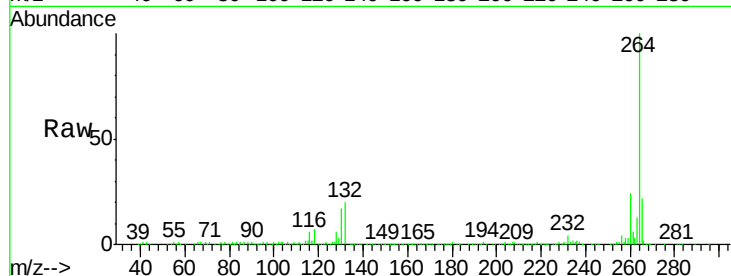




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2270
Delta R.T. -0.00 min
Lab File: BF104602.D
Acq: 18 Apr 2018 15:31

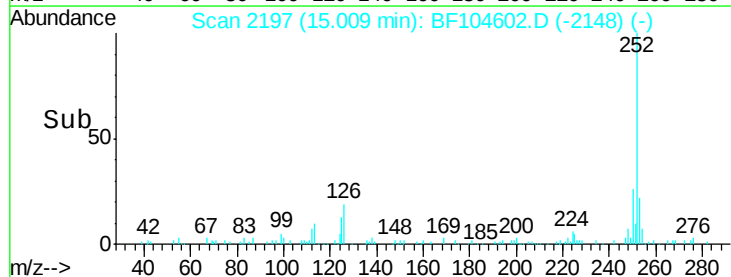
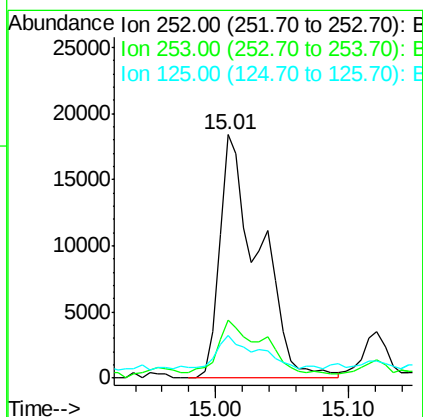
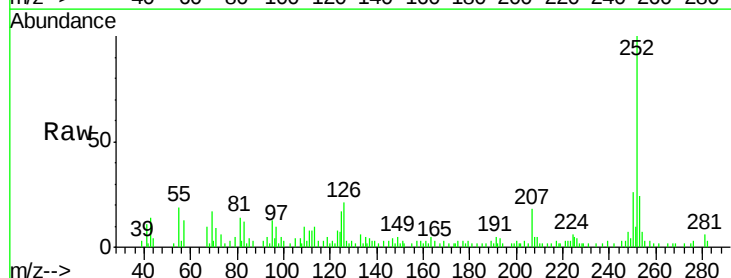
Instrument :
BNA_F
ClientSampleId :

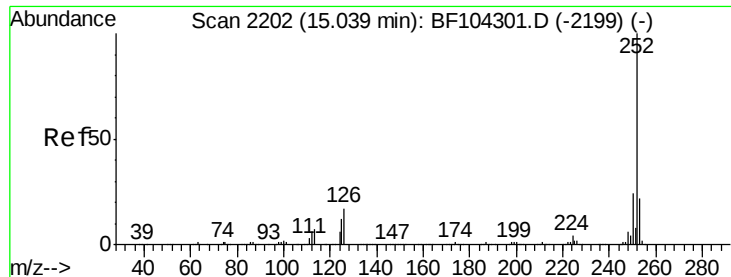
Tot Ion:264 Resp: 289959
Ion Ratio Lower Upper
264 100
260 24.2 19.2 28.8
265 21.6 17.5 26.3



#87
Benzo(b)fluoranthene
Concen: 2.057 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.01 min
Lab File: BF104602.D
Acq: 18 Apr 2018 15:31

Tgt Ion:252 Resp: 37667
Ion Ratio Lower Upper
252 100
253 24.0 17.0 25.6
125 17.4 9.0 13.6#





#88

Benzo(k)fluoranthene

Concen: 2.179 ng

RT: 15.01 min Scan# 2197

Delta R.T. -0.04 min

Lab File: BF104602.D

Acq: 18 Apr 2018 15:31

Instrument :

BNA_F

ClientSampleId :

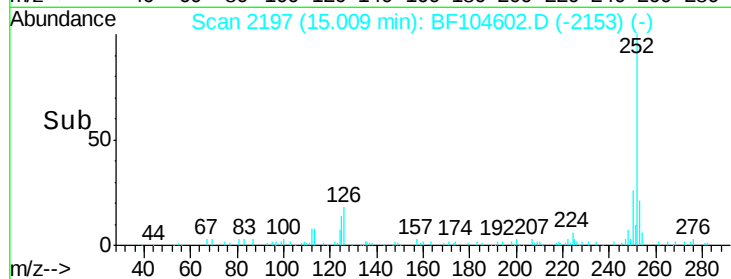
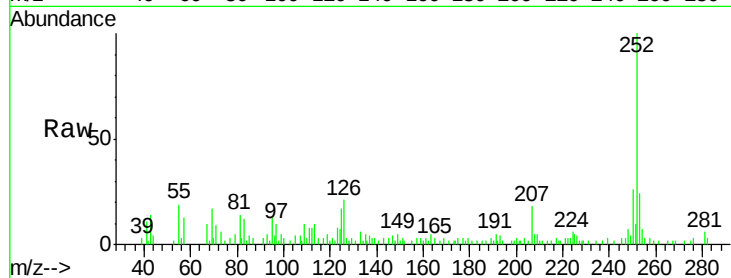
Tot Ion:252 Resp: 37667

Ion Ratio Lower Upper

252 100

253 24.0 17.9 26.9

125 17.4 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

