

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050218\
 Data File : BF105061.D
 Acq On : 3 May 2018 5:35
 Operator : JU/SJ
 Sample : J2684-07
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 043018-DBRI-E-D-S

Quant Time: May 03 07:02:52 2018
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 02 17:25:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	89017	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	359177	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	154540	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	259787	20.00	ng	0.00
75) Chrysene-d12	14.02	240	214338	20.00	ng	-0.02
86) Perylene-d12	15.57	264	166732	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	216850	37.25	ng	0.00
7) Phenol-d6	6.42	99	159921	22.36	ng	-0.02
23) Nitrobenzene-d5	7.36	82	524733	95.40	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	132280	82.52	ng	-0.01
44) 2-Fluorobiphenyl	9.15	172	943134	96.41	ng	0.00
78) Terphenyl-d14	12.91	244	865631	92.07	ng	0.00

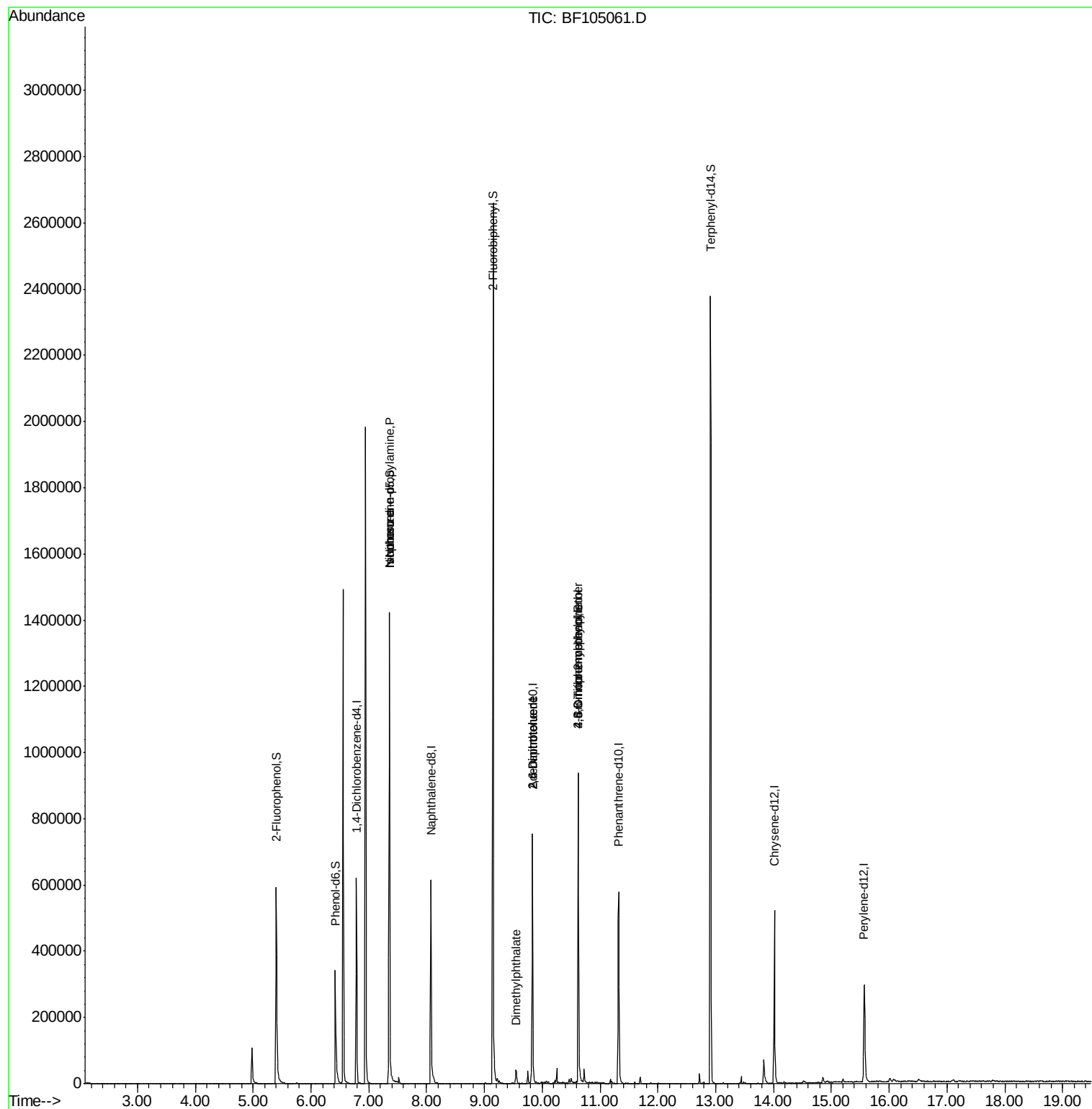
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.36	70	66012	14.123	ng	# 70
25) Isophorone	7.36	82	519363	44.651	ng	# 64
49) Dimethylphthalate	9.55	163	24626	2.021	ng	# 99
50) 2,6-Dinitrotoluene	9.83	165	19509	8.651	ng	# 25
56) 2,4-Dinitrotoluene	9.83	165	19509	6.596	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.62	198	136	7.438	ng	# 14
66) 4-Bromophenyl-phenylether	10.62	248	7991	2.892	ng	# 1
76) Benzidine	12.91	184	11062	Below Cal		# 95

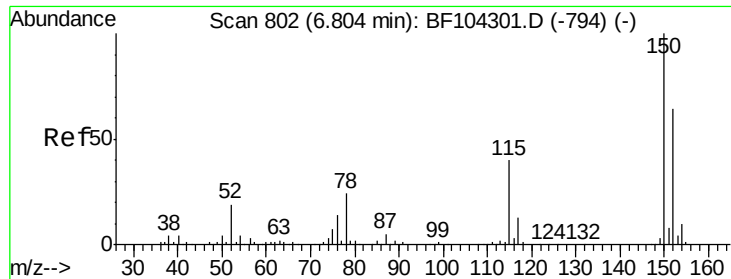
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 799

Delta R.T. -0.00 min

Lab File: BF105061.D

Acq: 3 May 2018 5:35

Instrument :

BNA_F

ClientSampleId :

043018-DBRI-E-D-S

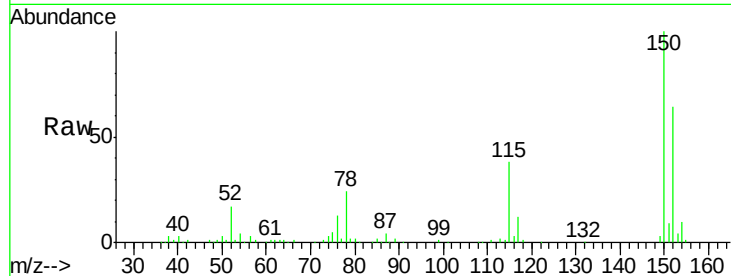
Tgt Ion:152 Resp: 89017

Ion Ratio Lower Upper

152 100

150 156.9 124.6 186.8

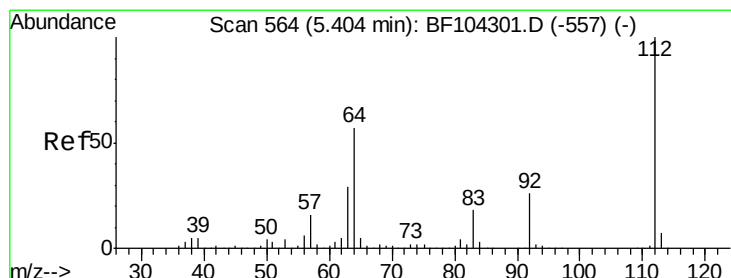
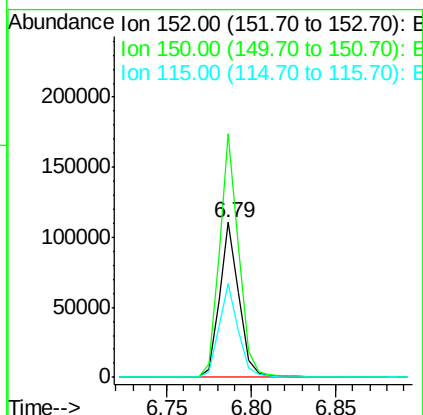
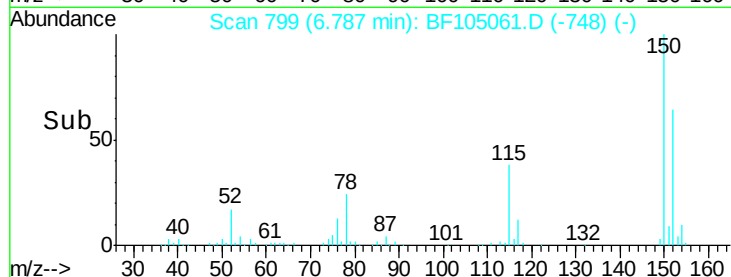
115 60.2 50.1 75.1



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: 37.249 ng

RT: 5.40 min Scan# 563

Delta R.T. -0.01 min

Lab File: BF105061.D

Acq: 3 May 2018 5:35

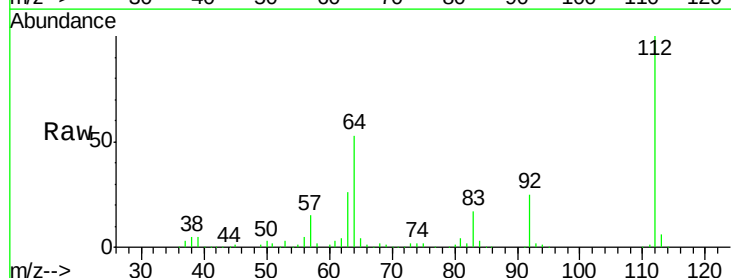
Tgt Ion:112 Resp: 216850

Ion Ratio Lower Upper

112 100

64 53.2 47.9 71.9

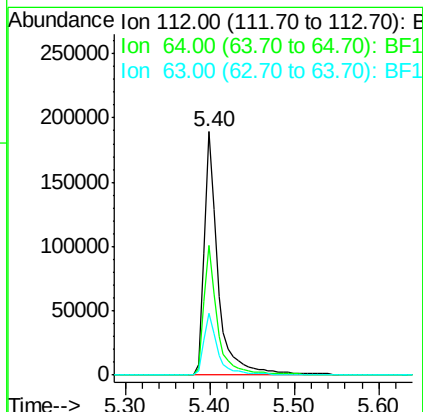
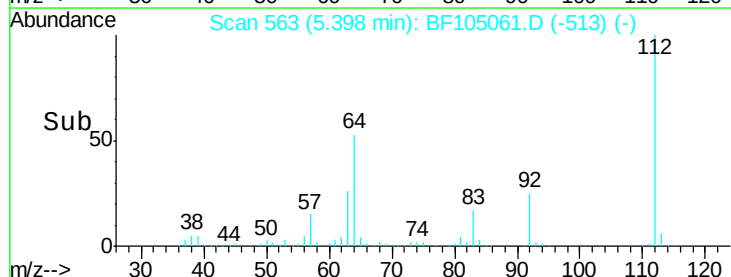
63 25.7 23.7 35.5

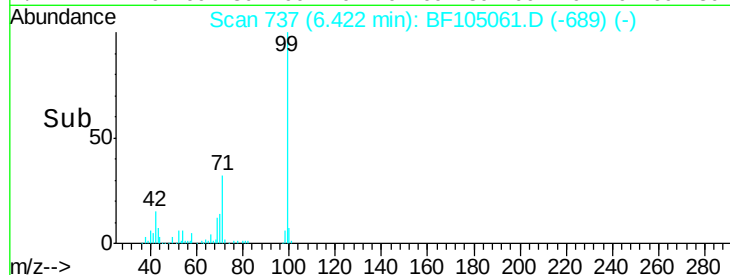
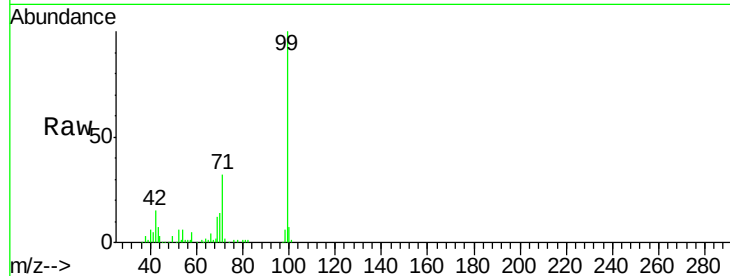
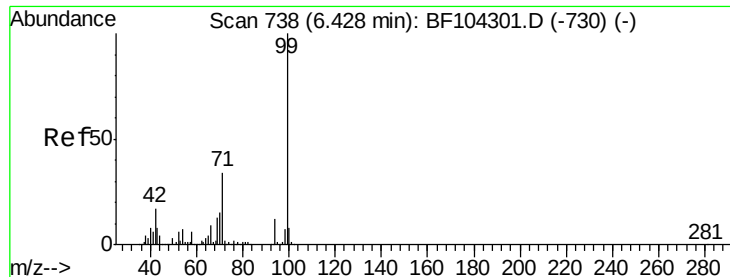


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 22.357 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.02 min

Lab File: BF105061.D

Acq: 3 May 2018 5:35

Instrument :

BNA_F

ClientSampleId :

043018-DBRI-E-D-S

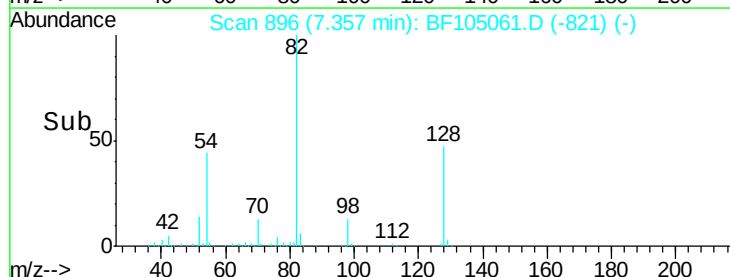
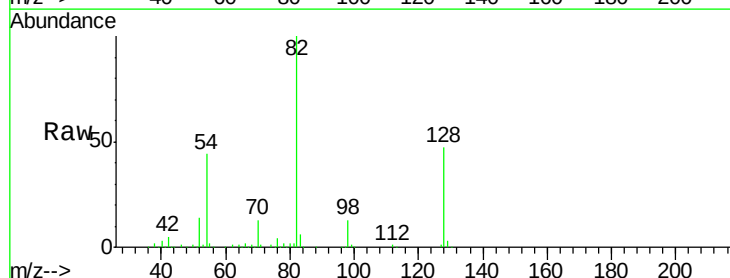
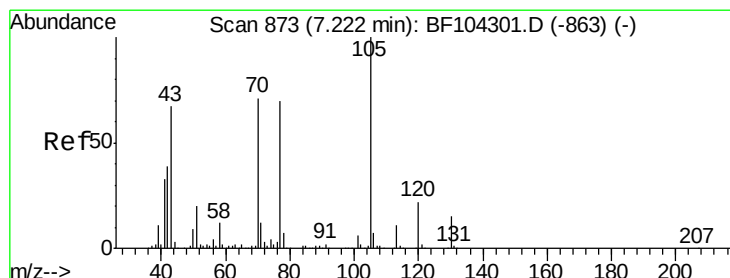
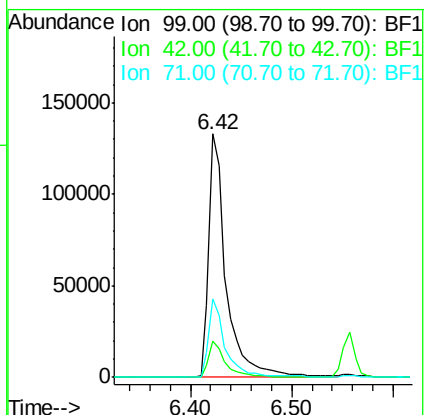
Tgt Ion: 99 Resp: 159921

Ion Ratio Lower Upper

99 100

42 14.7 14.5 21.7

71 32.0 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.123 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.14 min

Lab File: BF105061.D

Acq: 3 May 2018 5:35

Tgt Ion: 70 Resp: 66012

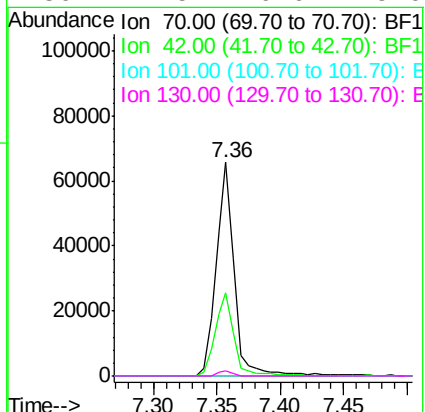
Ion Ratio Lower Upper

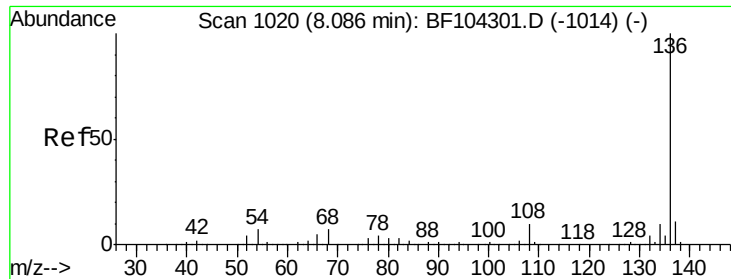
70 100

42 39.3 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

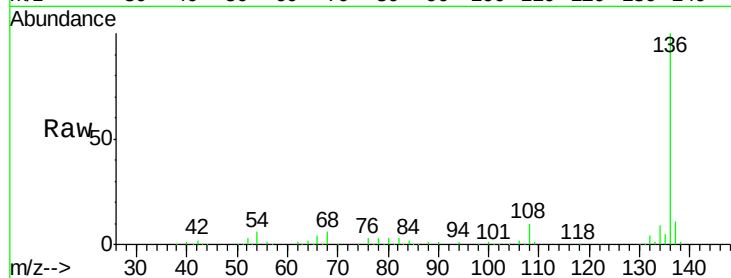




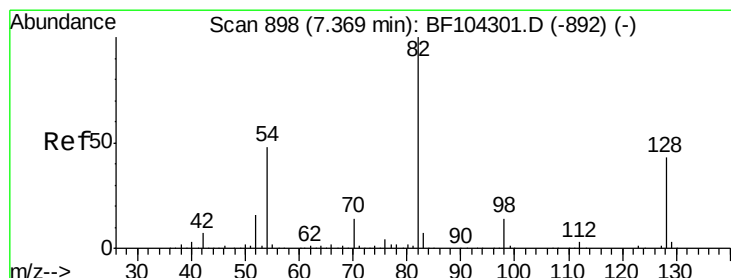
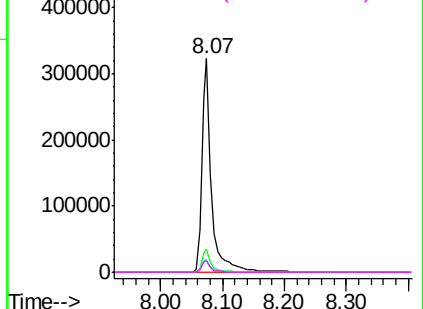
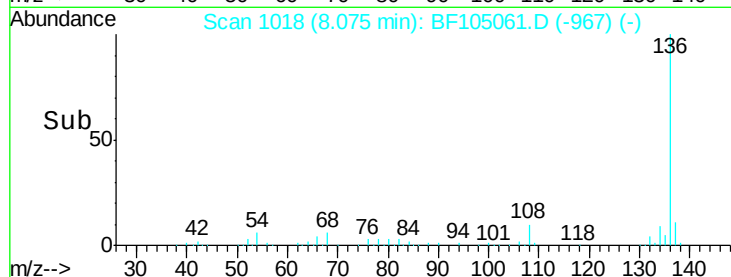
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BF105061.D
Acq: 3 May 2018 5:35

Instrument :
BNA_F
ClientSampleId :
043018-DBRI-E-D-S

Tgt Ion:	136	Resp:	359177
Ion Ratio	Lower	Upper	
136	100		
137	10.9	8.9	13.3
54	5.8	6.6	9.8#
68	5.5	5.0	7.4

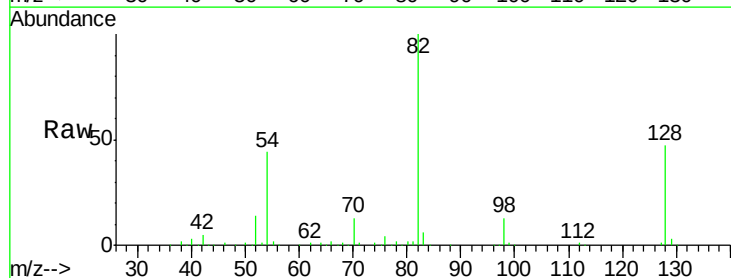


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

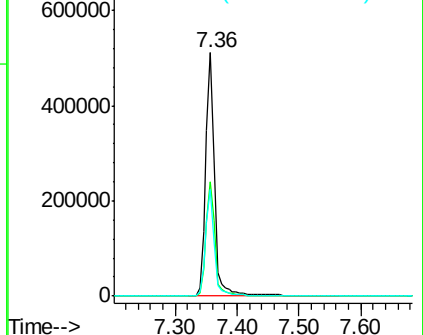
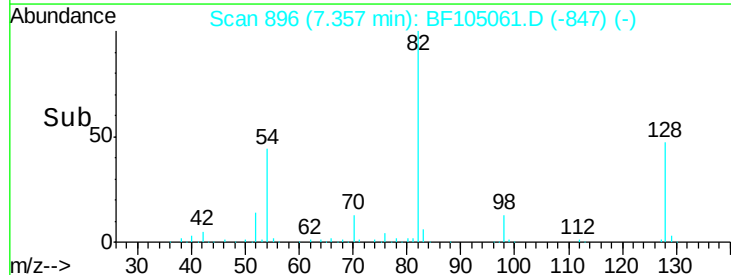


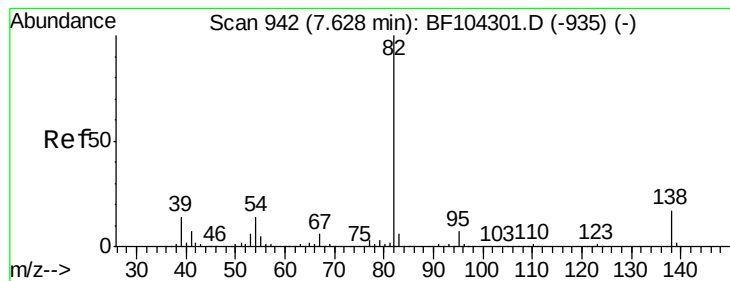
#23
Nitrobenzene-d5
Concen: 95.396 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF105061.D
Acq: 3 May 2018 5:35

Tgt Ion:	82	Resp:	524733
Ion Ratio	Lower	Upper	
82	100		
128	47.0	36.1	54.1
54	44.0	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: 44.651 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF105061.D

Acq: 3 May 2018 5:35

Instrument :

BNA_F

ClientSampleId :

043018-DBRI-E-D-S

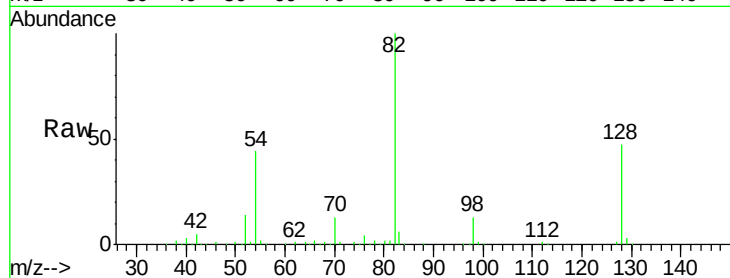
Tgt Ion: 82 Resp: 519363

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

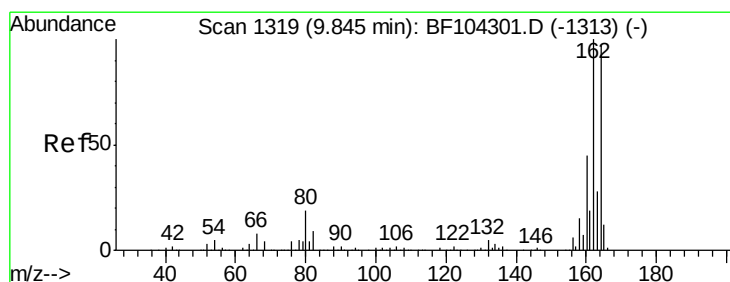
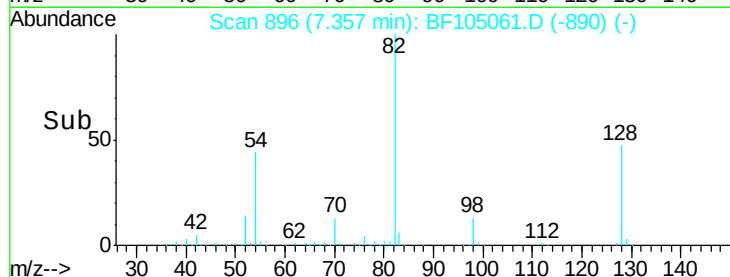
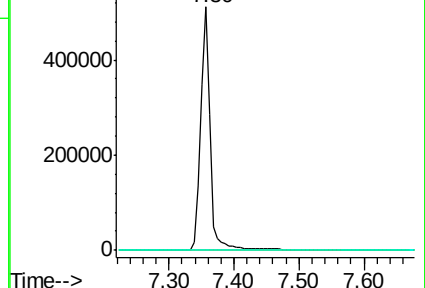
138 0.0 14.9 22.3#



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: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF105061.D

Acq: 3 May 2018 5:35

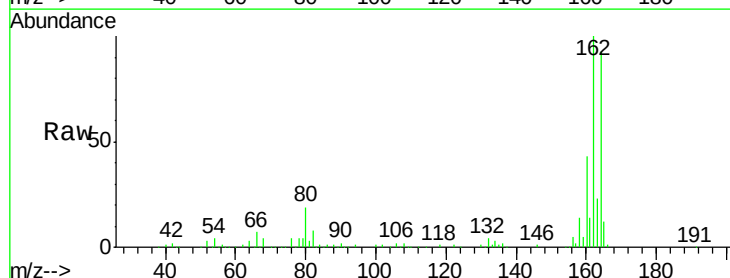
Tgt Ion: 164 Resp: 154540

Ion Ratio Lower Upper

164 100

162 107.5 86.1 129.1

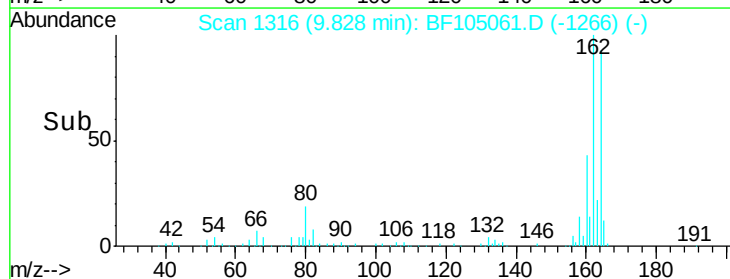
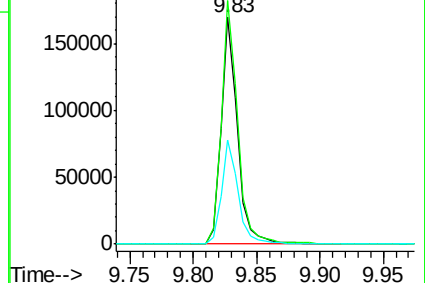
160 46.0 38.3 57.5

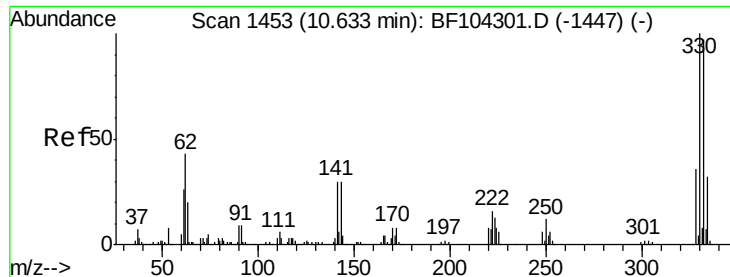


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

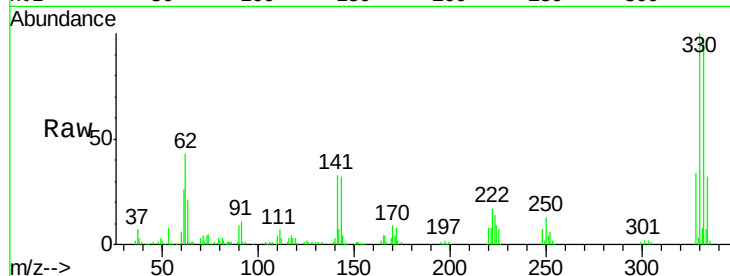




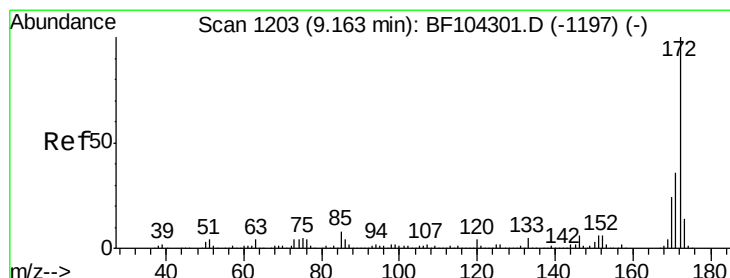
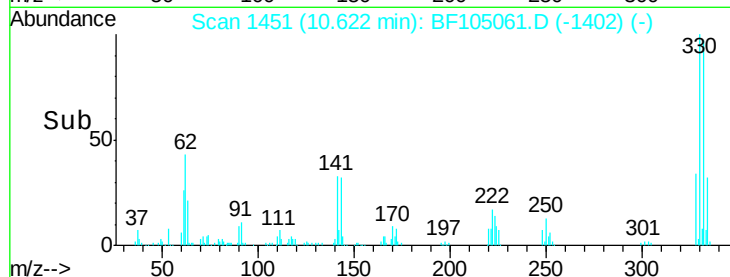
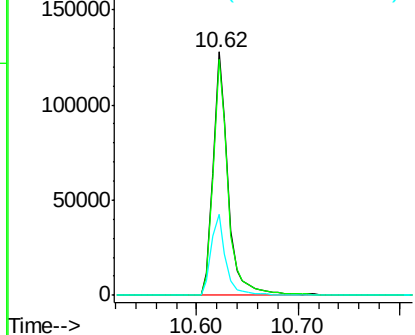
#41
 2,4,6-Tribromophenol
 Concen: 82.516 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BF105061.D
 Acq: 3 May 2018 5:35

Instrument :
 BNA_F
 ClientSampleId :
 043018-DBRI-E-D-S

Tgt Ion:330 Resp: 132280
 Ion Ratio Lower Upper
 330 100
 332 97.1 77.0 115.6
 141 32.7 29.9 44.9

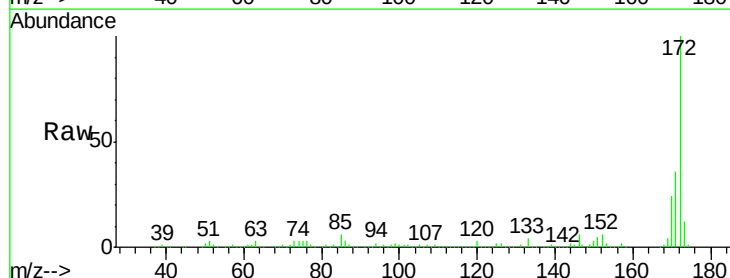


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

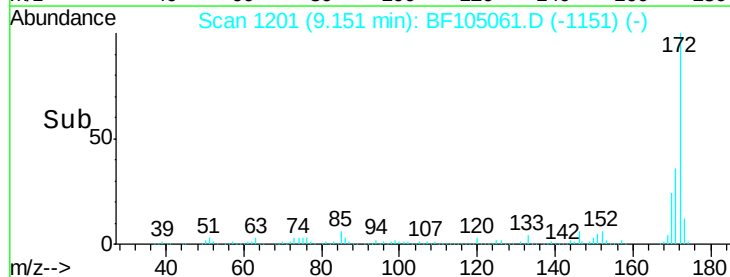
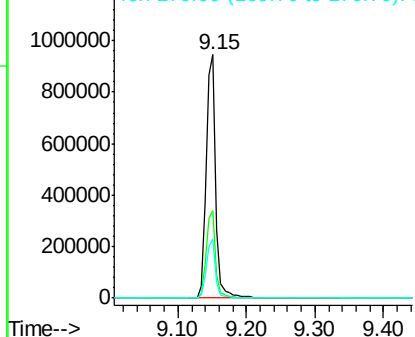


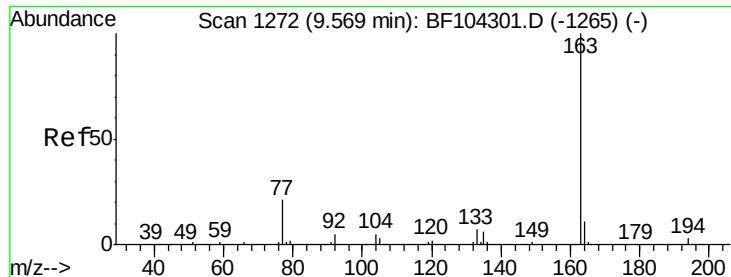
#44
 2-Fluorobiphenyl
 Concen: 96.410 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF105061.D
 Acq: 3 May 2018 5:35

Tgt Ion:172 Resp: 943134
 Ion Ratio Lower Upper
 172 100
 171 36.0 29.7 44.5
 170 24.1 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: 2.021 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BF105061.D

Acq: 3 May 2018 5:35

Instrument :

BNA_F

ClientSampleId :

043018-DBRI-E-D-S

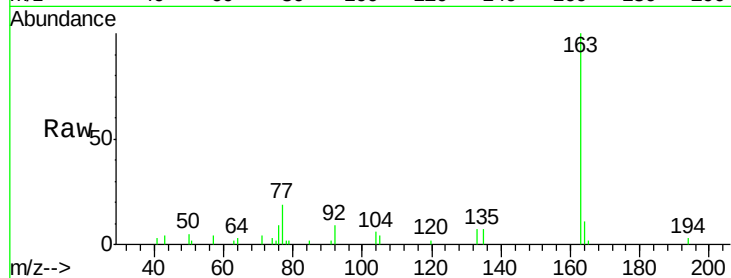
Tgt Ion:163 Resp: 24626

Ion Ratio Lower Upper

163 100

194 2.7 2.7 4.1#

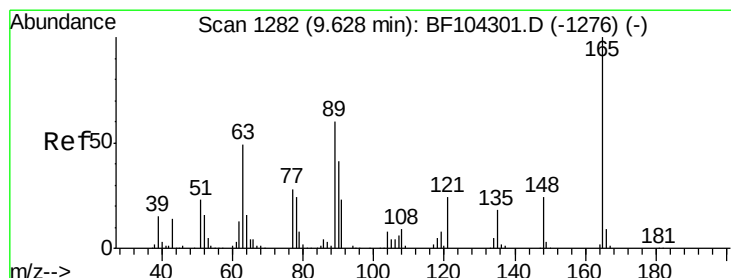
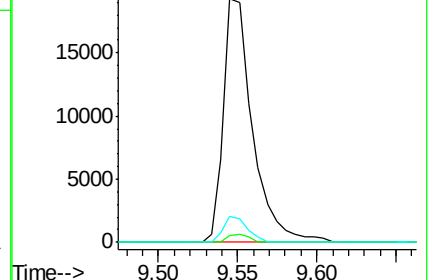
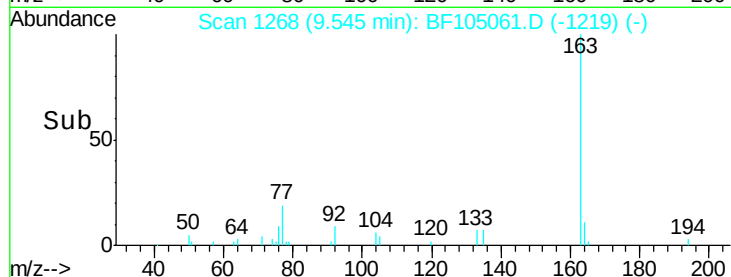
164 10.6 8.2 12.2



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



#50

2,6-Dinitrotoluene

Concen: 8.651 ng

RT: 9.83 min Scan# 1316

Delta R.T. 0.19 min

Lab File: BF105061.D

Acq: 3 May 2018 5:35

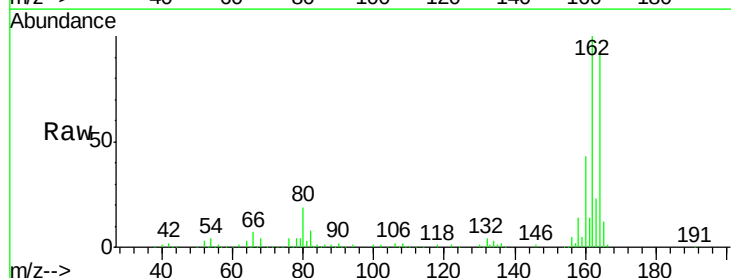
Tgt Ion:165 Resp: 19509

Ion Ratio Lower Upper

165 100

63 0.0 44.7 67.1#

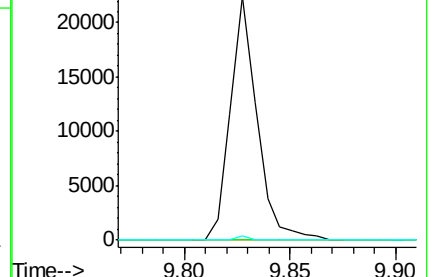
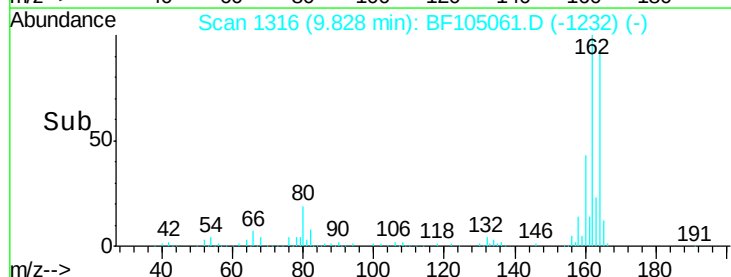
89 1.6 44.0 66.0#

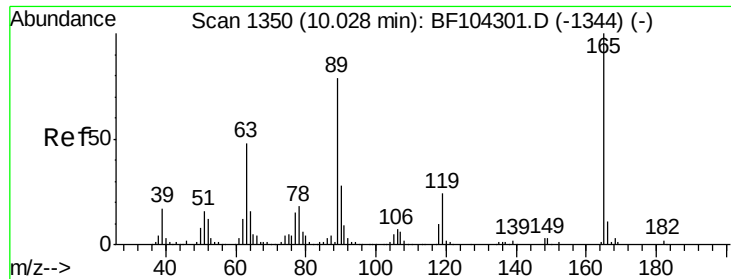


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

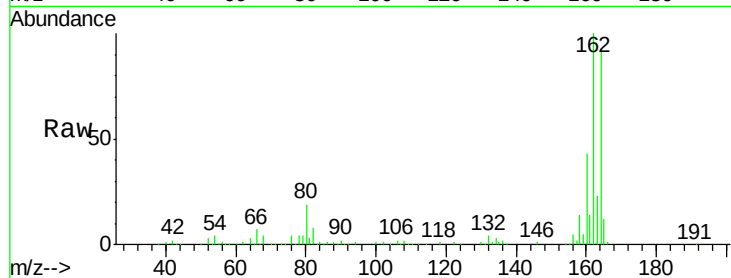




#56
 2,4-Dinitrotoluene
 Concen: 6.596 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.21 min
 Lab File: BF105061.D
 Acq: 3 May 2018 5:35

Instrument :
 BNA_F
 ClientSampleId :
 043018-DBRI-E-D-S

Tgt Ion:	165	Resp:	19509
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#

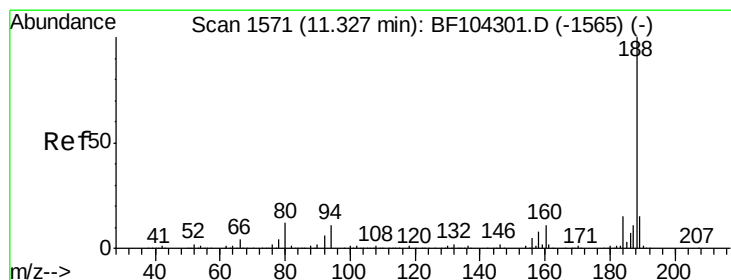
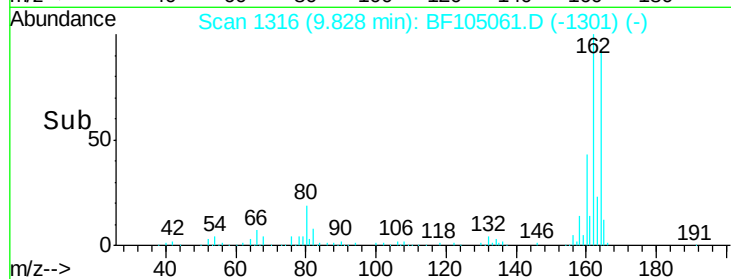
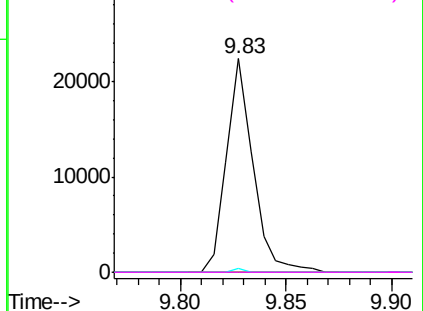


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

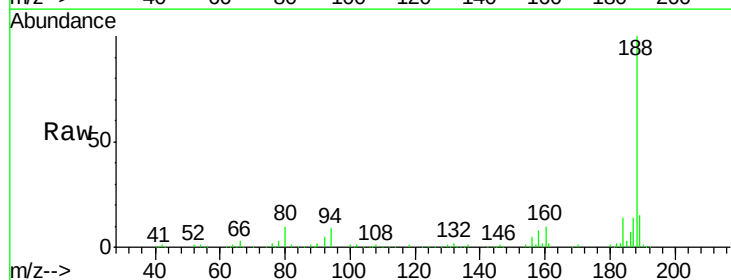
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1570
 Delta R.T. -0.00 min
 Lab File: BF105061.D
 Acq: 3 May 2018 5:35

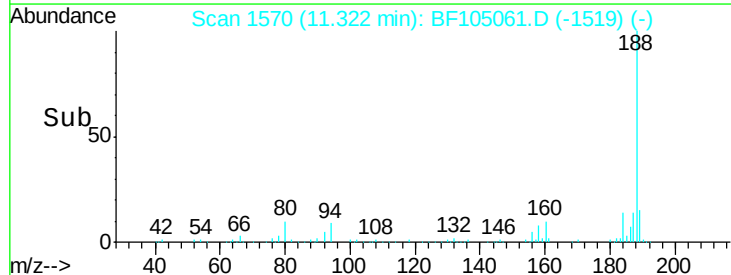
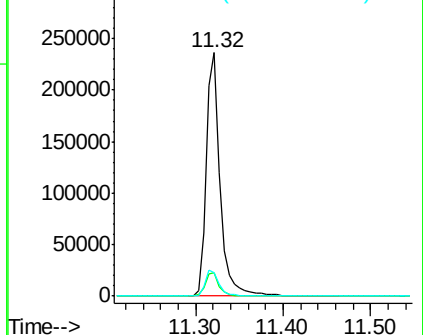
Tgt Ion:	188	Resp:	259787
Ion	Ratio	Lower	Upper
188	100		
94	9.4	8.5	12.7
80	9.7	9.2	13.8

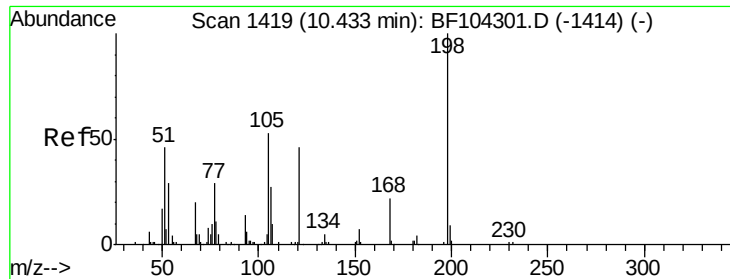


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

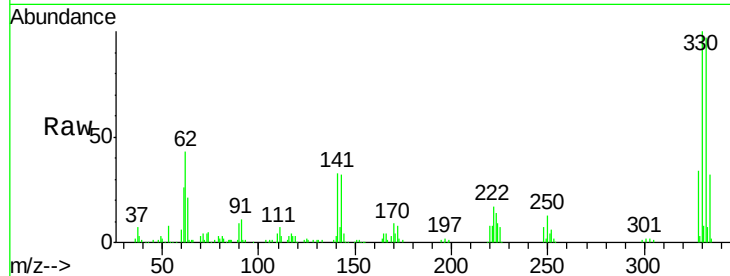




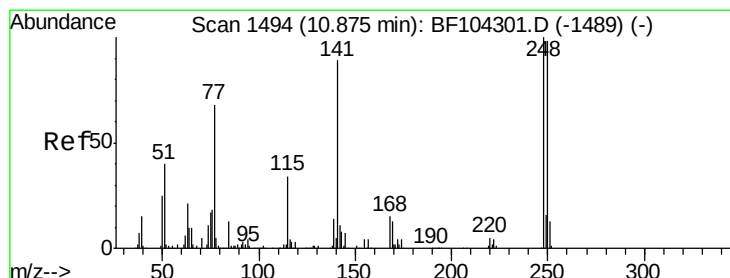
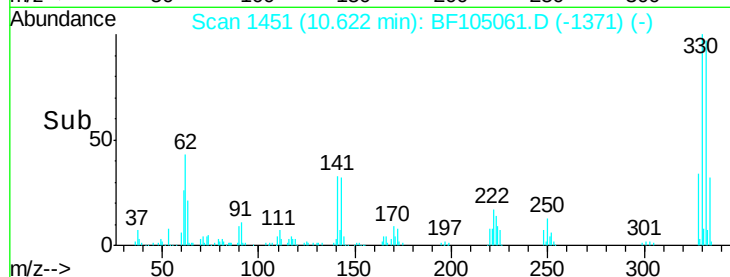
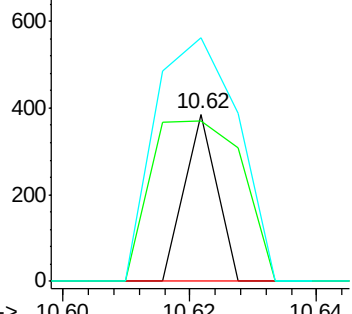
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.438 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. 0.17 min
 Lab File: BF105061.D
 Acq: 3 May 2018 5:35

Instrument :
 BNA_F
 ClientSampleId :
 043018-DBRI-E-D-S

Tgt Ion:198 Resp: 136
 Ion Ratio Lower Upper
 198 100
 51 95.6 37.7 77.7#
 105 145.6 36.3 76.3#

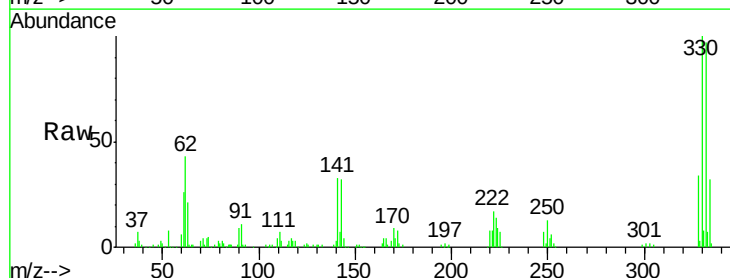


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

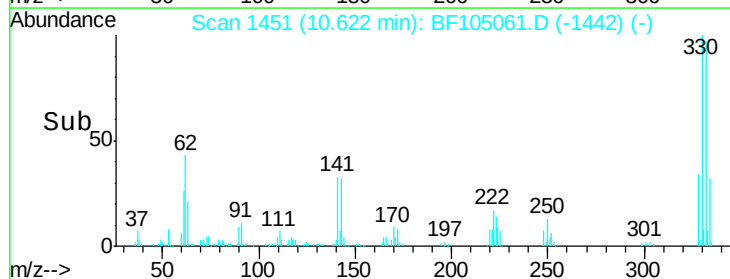
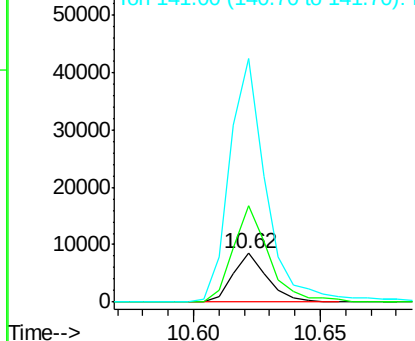


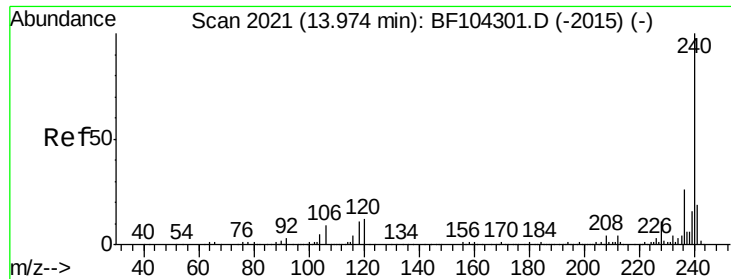
#66
 4-Bromophenyl-phenylether
 Concen: 2.892 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.25 min
 Lab File: BF105061.D
 Acq: 3 May 2018 5:35

Tgt Ion:248 Resp: 7991
 Ion Ratio Lower Upper
 248 100
 250 196.6 76.9 115.3#
 141 496.8 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

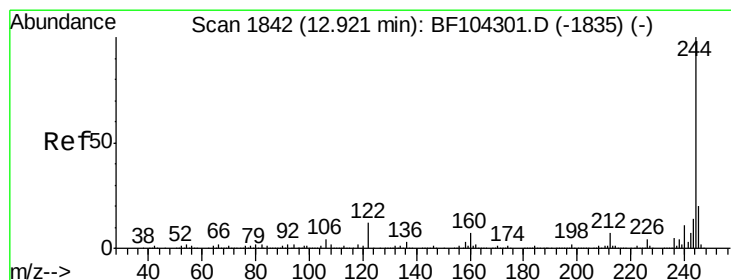
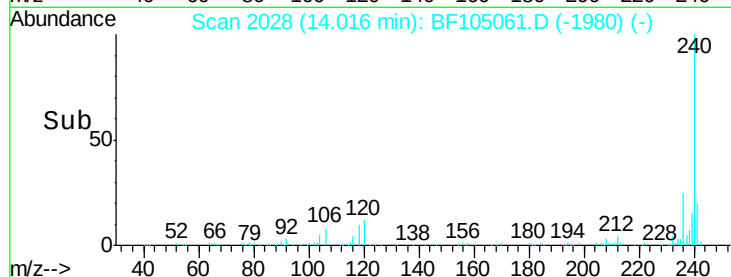
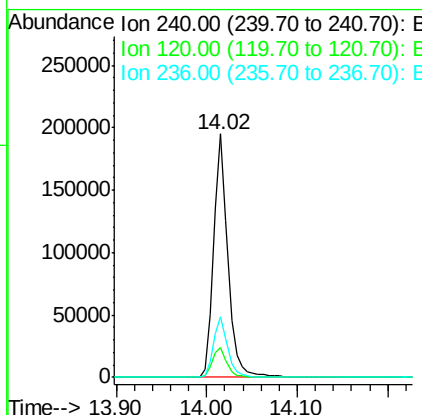
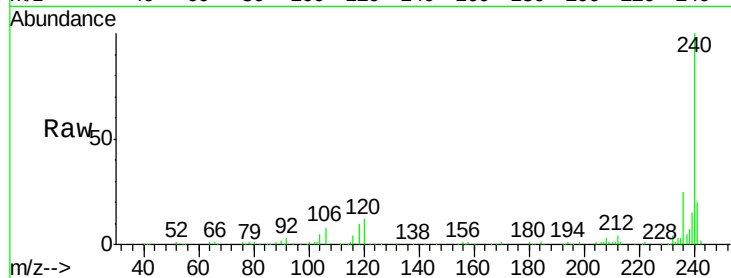




#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.02 min Scan# 2028
 Delta R.T. -0.02 min
 Lab File: BF105061.D
 Acq: 3 May 2018 5:35

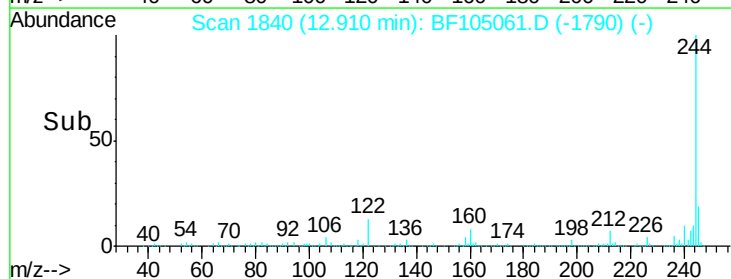
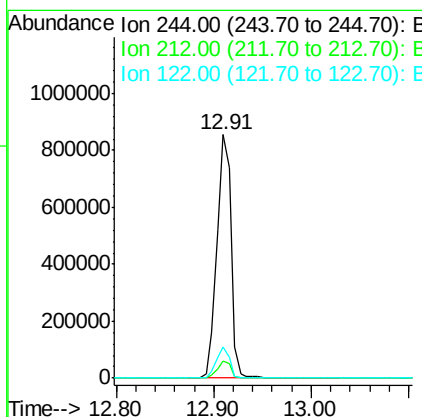
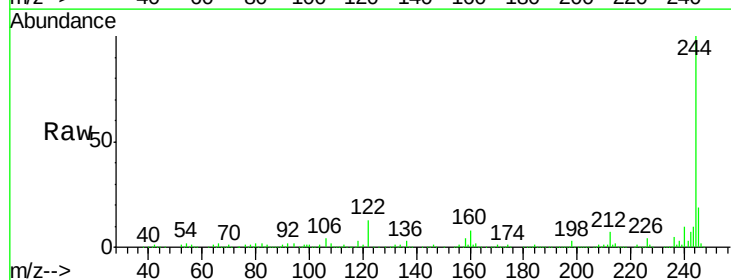
Instrument :
 BNA_F
 ClientSampleId :
 043018-DBRI-E-D-S

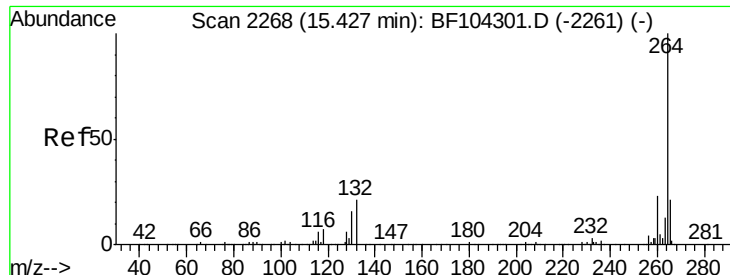
Tgt Ion:240 Resp: 214338
 Ion Ratio Lower Upper
 240 100
 120 12.2 9.5 14.3
 236 25.0 20.7 31.1



#78
 Terphenyl-d14
 Concen: 92.074 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: BF105061.D
 Acq: 3 May 2018 5:35

Tgt Ion:244 Resp: 865631
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 12.9 11.0 16.4

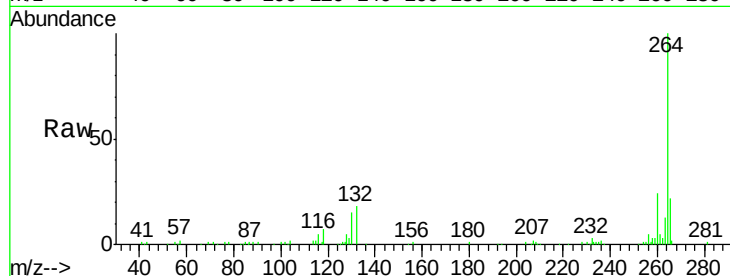




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2293
Delta R.T. -0.02 min
Lab File: BF105061.D
Acq: 3 May 2018 5:35

Instrument :
BNA_F
ClientSampleId :
043018-DBRI-E-D-S

Tgt Ion: 264 Resp: 166732
Ion Ratio Lower Upper
264 100
260 23.9 19.2 28.8
265 21.8 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

