

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF050218\
 Data File : BF105060.D
 Acq On : 3 May 2018 5:09
 Operator : JU/SJ
 Sample : J2684-06
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

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

Quant Time: May 03 07:02:33 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	95671	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	400231	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	182382	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	323537	20.00	ng	0.00
75) Chrysene-d12	14.02	240	240949	20.00	ng	-0.02
86) Perylene-d12	15.58	264	201348	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	232775	37.20	ng	0.00
7) Phenol-d6	6.42	99	171407	22.30	ng	-0.02
23) Nitrobenzene-d5	7.36	82	571439	93.23	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	168985	89.32	ng	-0.01
44) 2-Fluorobiphenyl	9.15	172	1038810	89.98	ng	0.00
78) Terphenyl-d14	12.92	244	1010109	95.58	ng	0.00

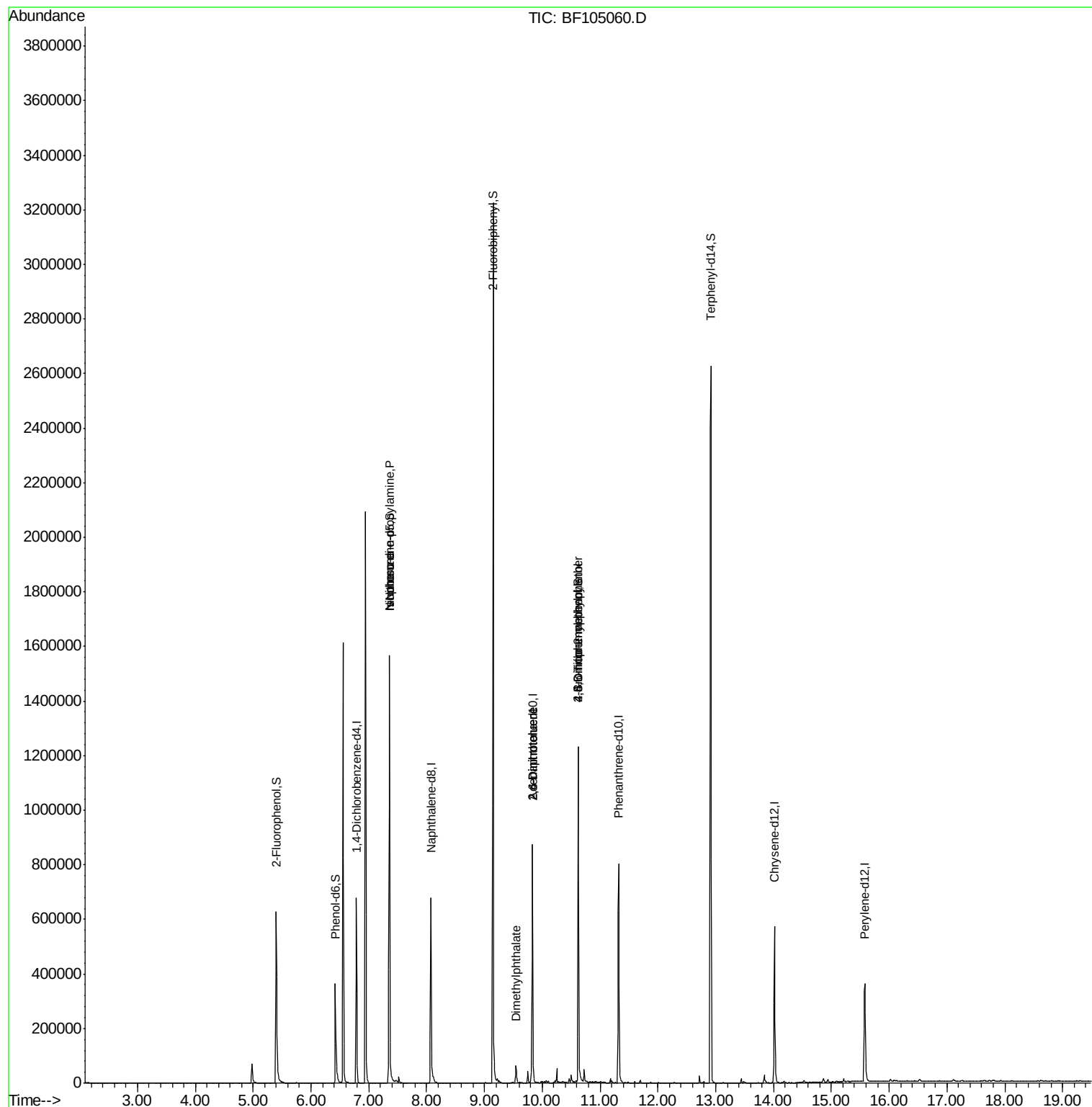
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.36	70	73845	14.700	ng	# 72
25) Isophorone	7.36	82	563948	43.510	ng	# 64
49) Dimethylphthalate	9.55	163	31291	2.176	ng	# 99
50) 2,6-Dinitrotoluene	9.83	165	23026	8.652	ng	# 26
56) 2,4-Dinitrotoluene	9.83	165	23026	6.596	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.62	198	143	7.424	ng	# 1
66) 4-Bromophenyl-phenylether	10.62	248	10404	3.023	ng	# 1
76) Benzidine	12.92	184	13427	Below Cal		96

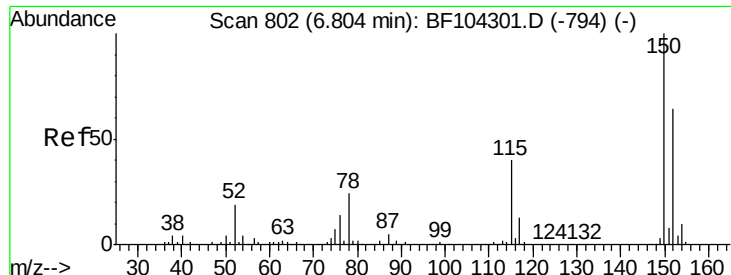
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF105060.D

Acq: 3 May 2018 5:09

Instrument :

BNA_F

ClientSampleId :

043018-DBRI-E-D-M

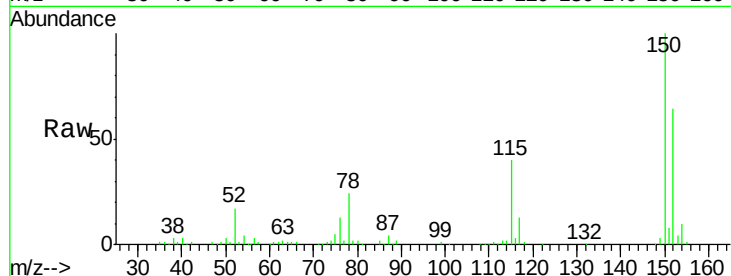
Tgt Ion:152 Resp: 95671

Ion Ratio Lower Upper

152 100

150 157.4 124.6 186.8

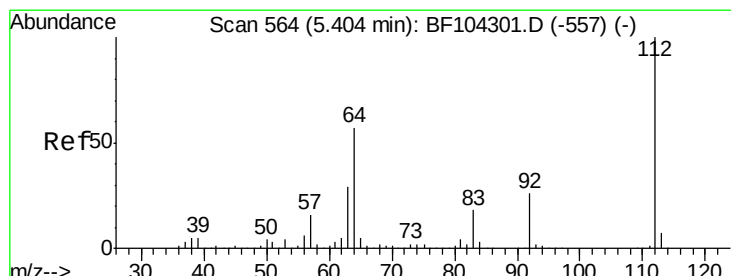
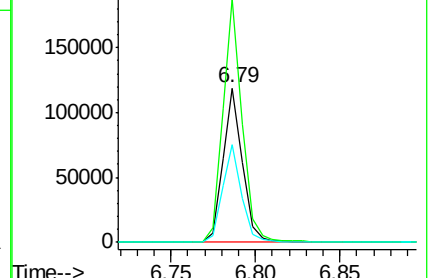
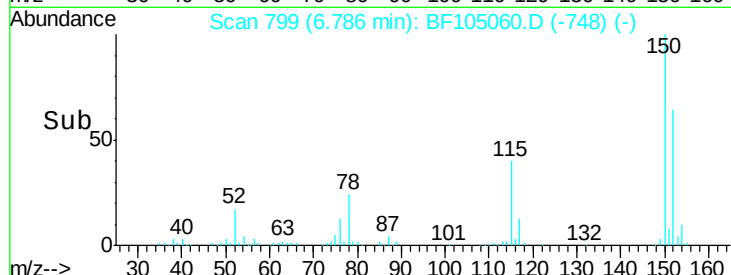
115 63.0 50.1 75.1



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: 37.203 ng

RT: 5.40 min Scan# 563

Delta R.T. -0.01 min

Lab File: BF105060.D

Acq: 3 May 2018 5:09

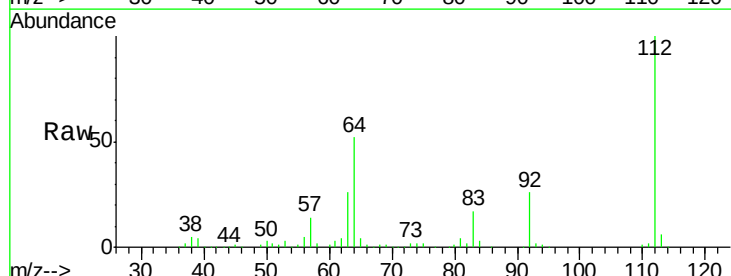
Tgt Ion:112 Resp: 232775

Ion Ratio Lower Upper

112 100

64 52.0 47.9 71.9

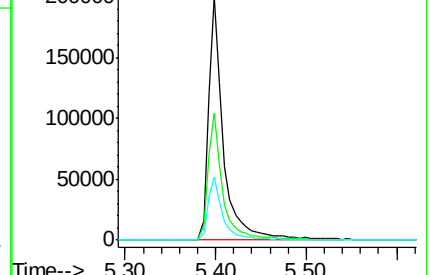
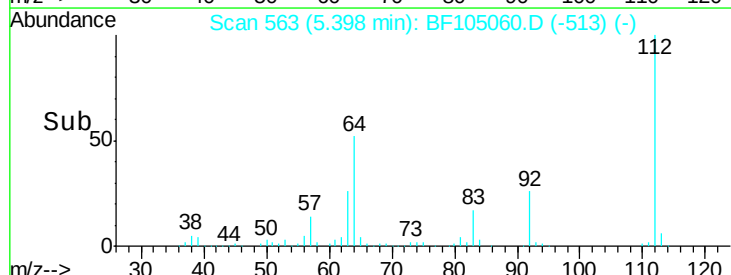
63 25.7 23.7 35.5

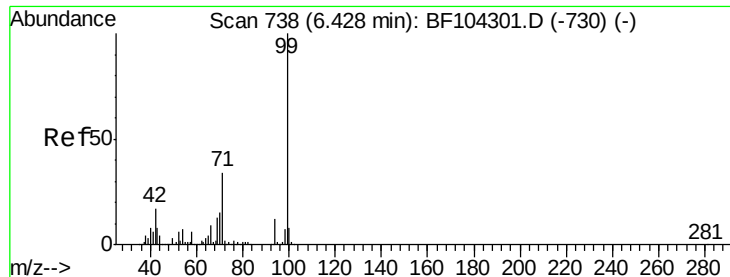


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 22.296 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.02 min

Lab File: BF105060.D

Acq: 3 May 2018 5:09

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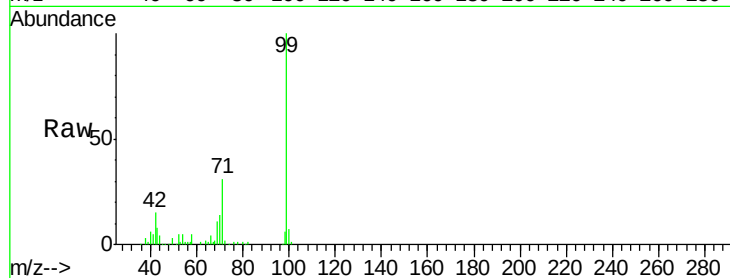
Tgt Ion: 99 Resp: 171407

Ion Ratio Lower Upper

99 100

42 14.8 14.5 21.7

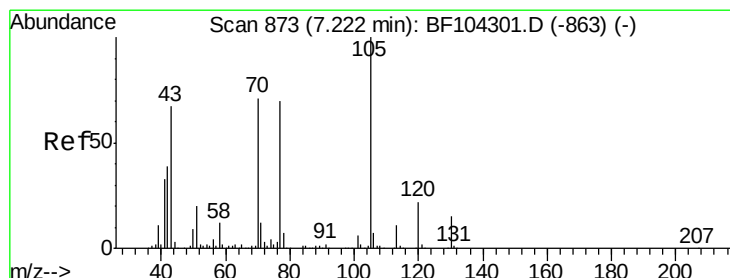
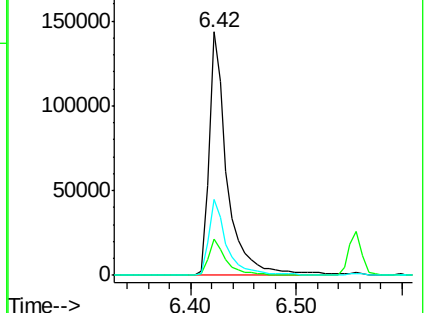
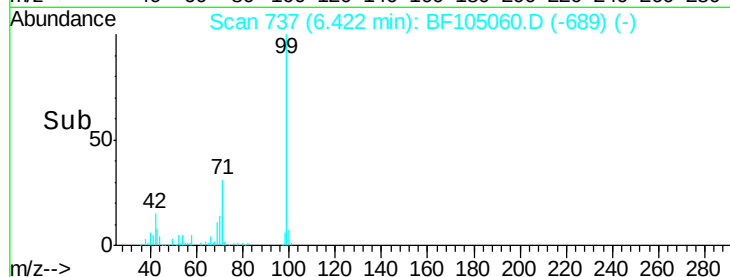
71 31.1 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 14.700 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.14 min

Lab File: BF105060.D

Acq: 3 May 2018 5:09

Tgt Ion: 70 Resp: 73845

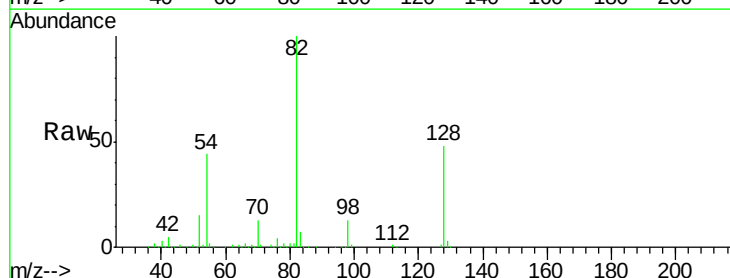
Ion Ratio Lower Upper

70 100

42 41.2 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

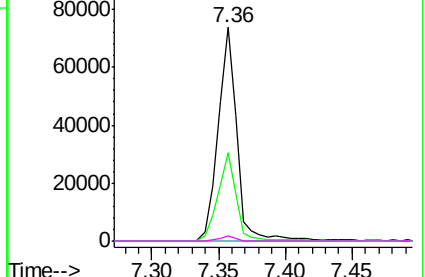
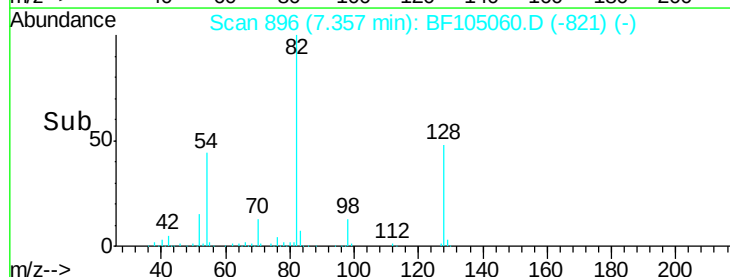


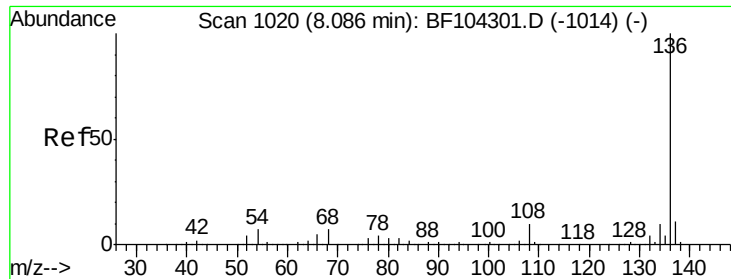
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

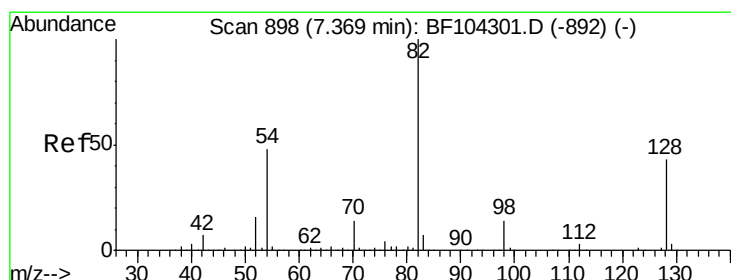
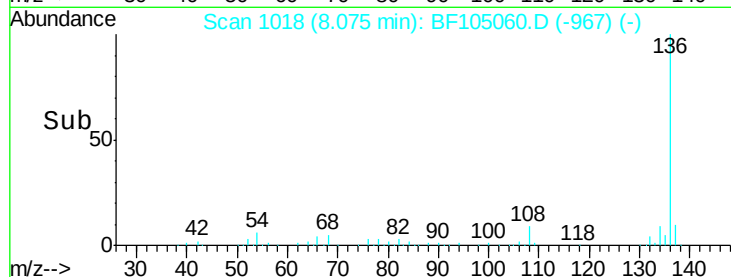
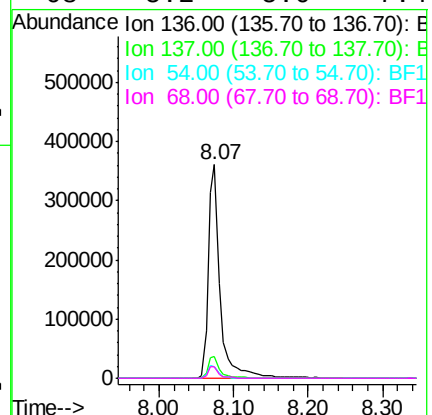
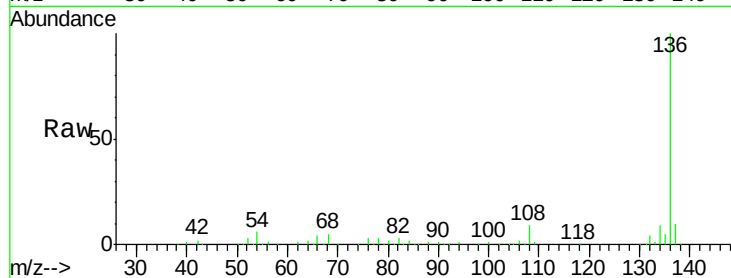




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.00 min
Lab File: BF105060.D
Acq: 3 May 2018 5:09

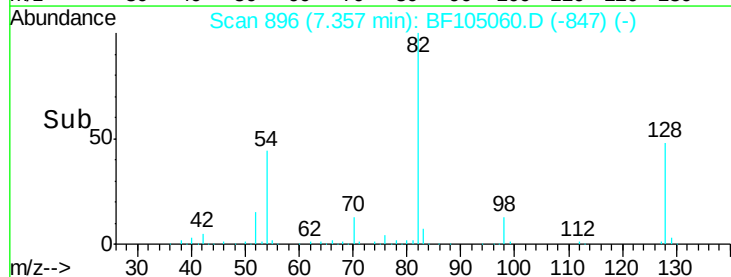
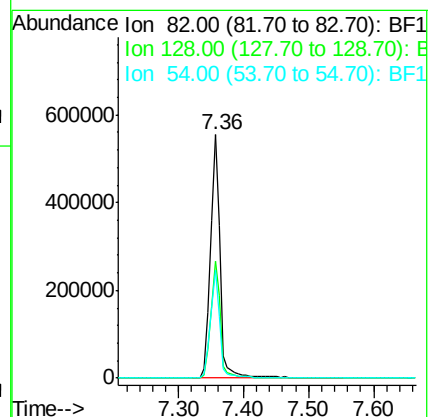
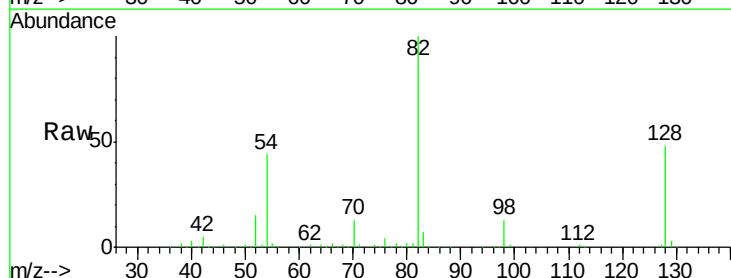
Instrument :
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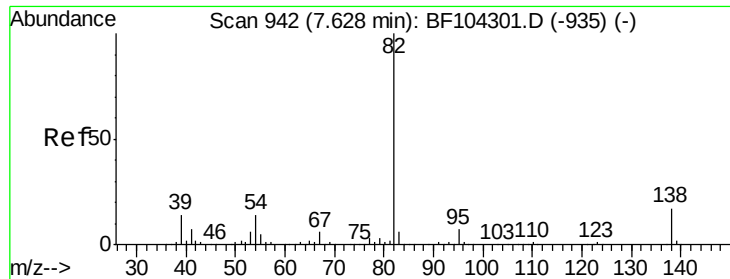
Tgt Ion:	136	Resp:	400231
Ion Ratio	Lower	Upper	
136	100		
137	10.3	8.9	13.3
54	5.6	6.6	9.8#
68	5.2	5.0	7.4



#23
Nitrobenzene-d5
Concen: 93.231 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF105060.D
Acq: 3 May 2018 5:09

Tgt Ion:	82	Resp:	571439
Ion Ratio	Lower	Upper	
82	100		
128	48.0	36.1	54.1
54	44.4	41.4	62.2





#25

Isophorone

Concen: 43.510 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF105060.D

Acq: 3 May 2018 5:09

Instrument :

BNA_F

ClientSampleId :

043018-DBRI-E-D-M

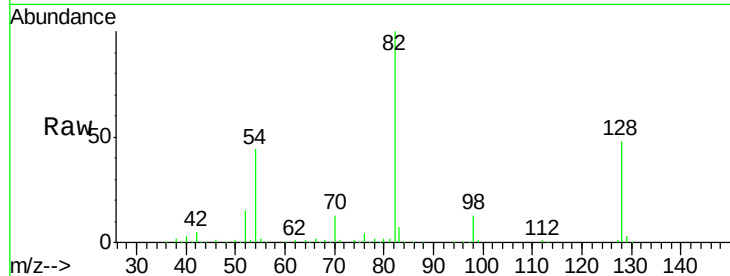
Tgt Ion: 82 Resp: 563948

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

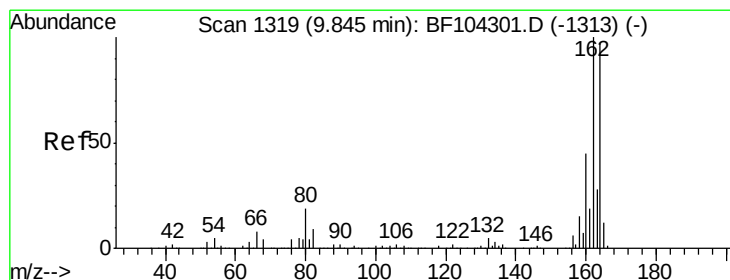
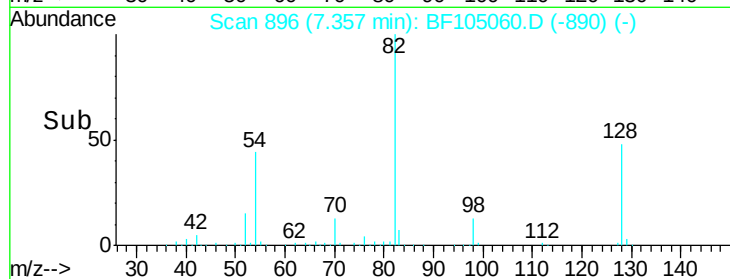
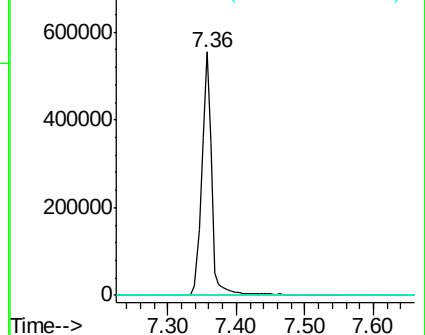
138 0.0 14.9 22.3#



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: BF105060.D

Acq: 3 May 2018 5:09

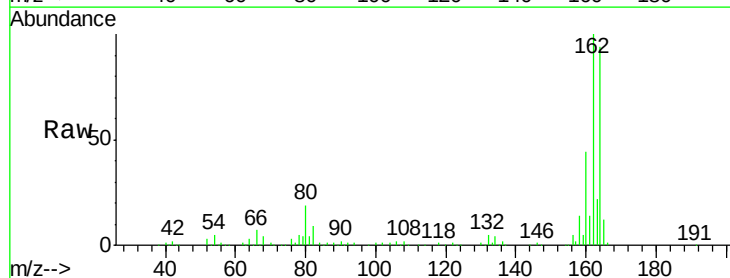
Tgt Ion: 164 Resp: 182382

Ion Ratio Lower Upper

164 100

162 106.5 86.1 129.1

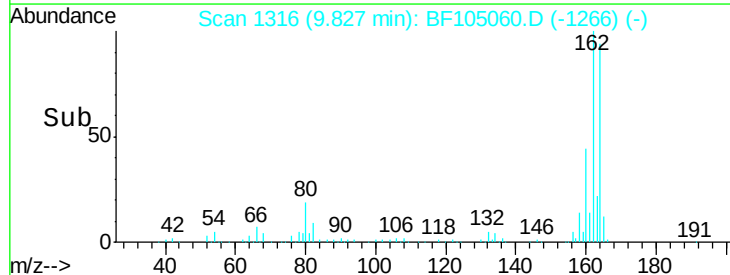
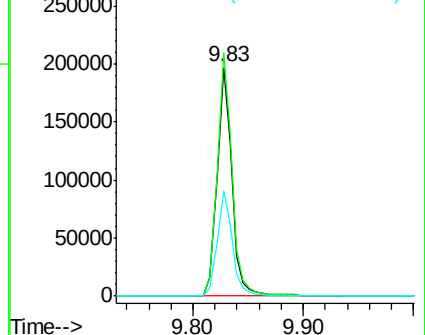
160 46.3 38.3 57.5

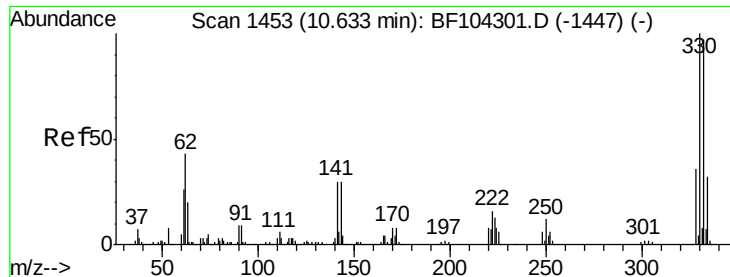


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

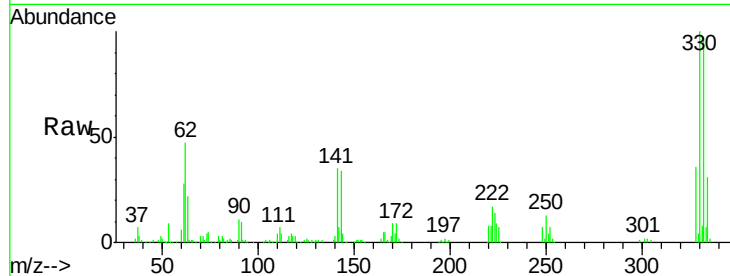




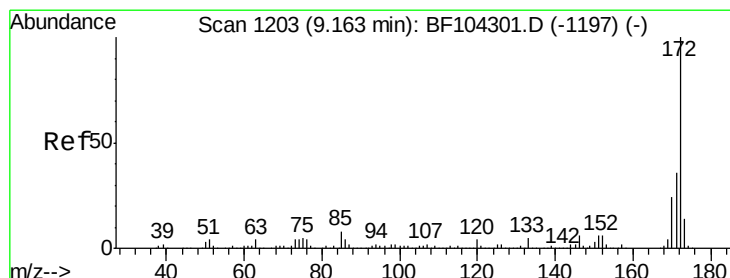
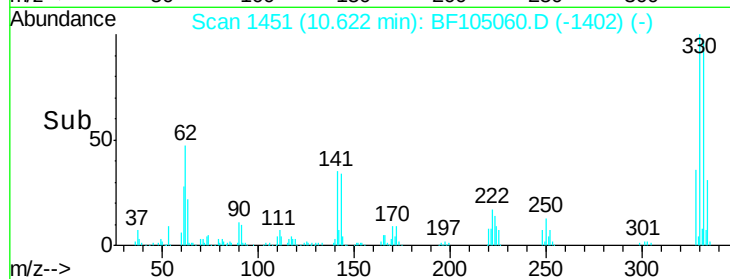
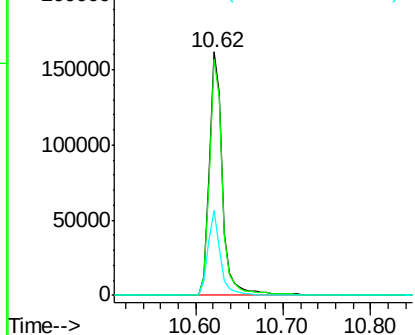
#41
 2,4,6-Tribromophenol
 Concen: 89.320 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BF105060.D
 Acq: 3 May 2018 5:09

Instrument :
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Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.6
141	33.0	29.9	44.9

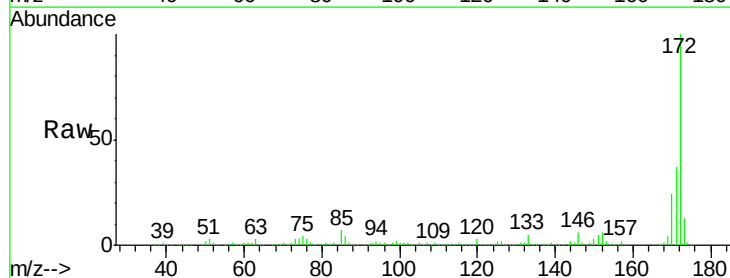


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

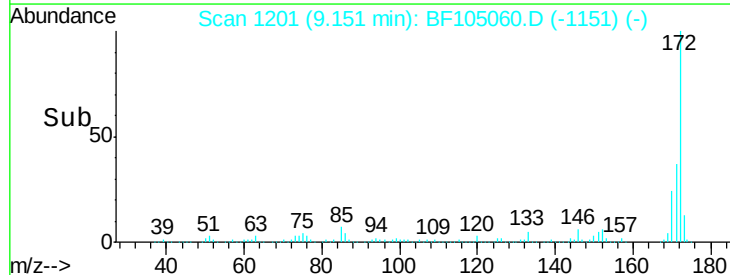
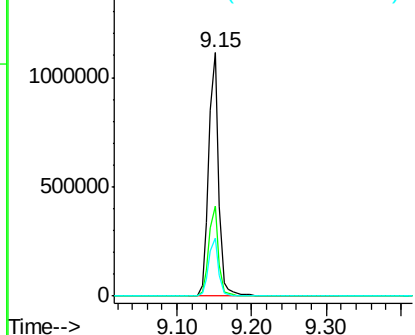


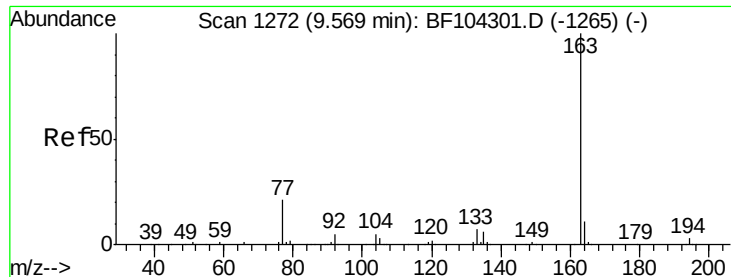
#44
 2-Fluorobiphenyl
 Concen: 89.979 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF105060.D
 Acq: 3 May 2018 5:09

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.7	44.5
170	23.9	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

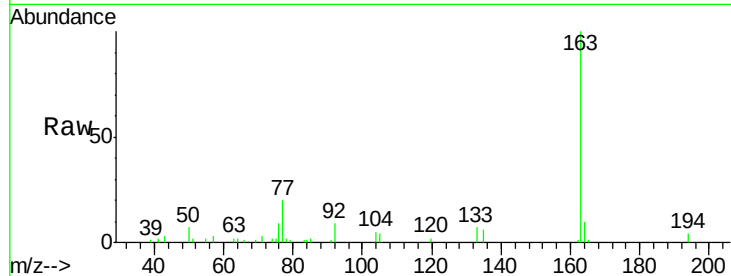




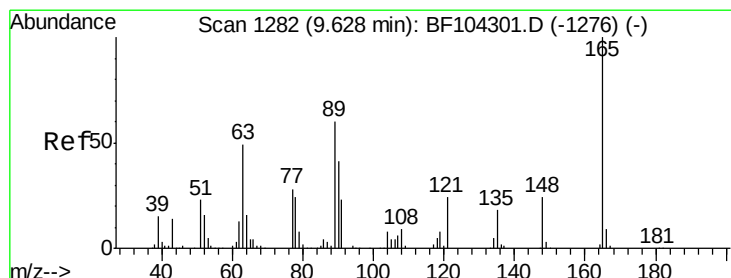
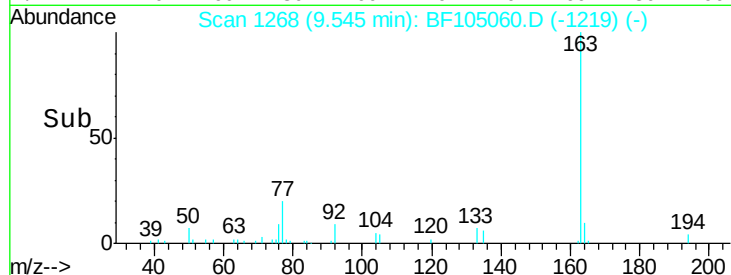
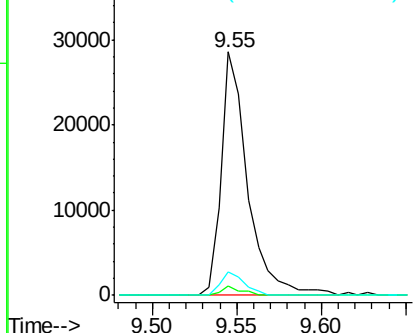
#49
Dimethylphthalate
Concen: 2.176 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.01 min
Lab File: BF105060.D
Acq: 3 May 2018 5:09

Instrument :
BNA_F
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Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.7	4.1
164	9.8	8.2	12.2

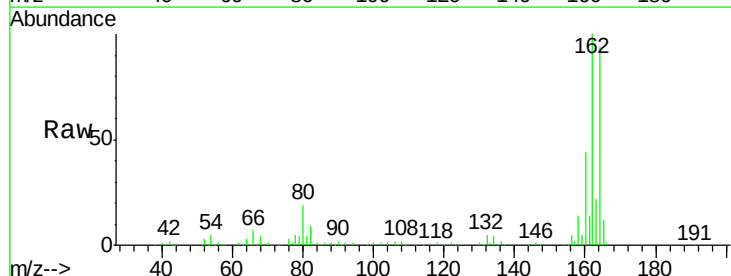


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

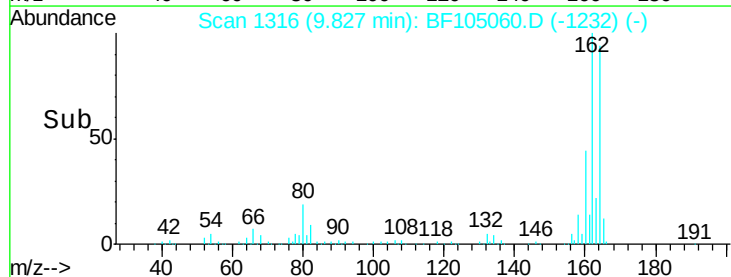
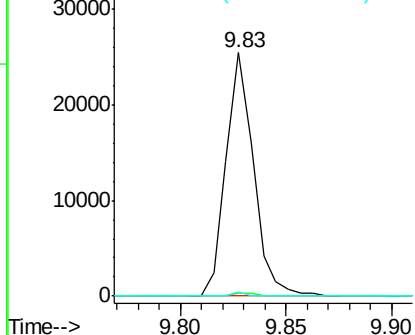


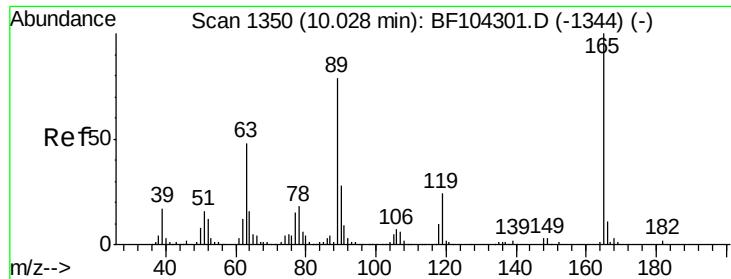
#50
2,6-Dinitrotoluene
Concen: 8.652 ng
RT: 9.83 min Scan# 1316
Delta R.T. 0.19 min
Lab File: BF105060.D
Acq: 3 May 2018 5:09

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	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

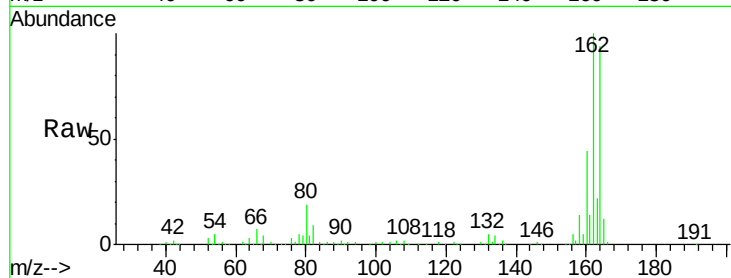




#56
 2,4-Dinitrotoluene
 Concen: 6.596 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.21 min
 Lab File: BF105060.D
 Acq: 3 May 2018 5:09

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

Tgt Ion:	165	Resp:	23026
Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#

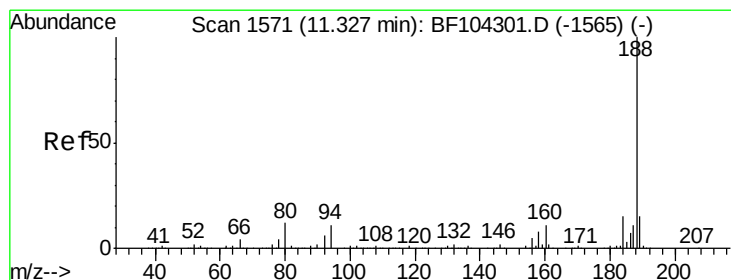
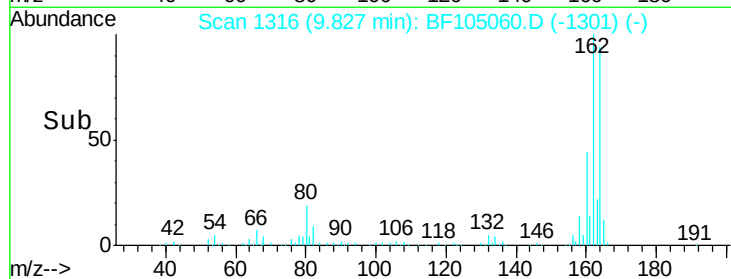
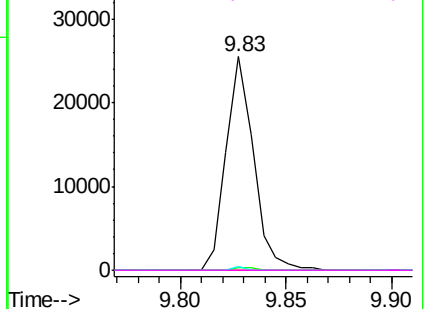


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

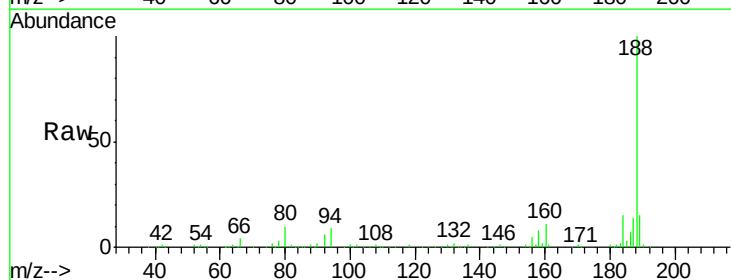
Ion 89.00 (88.70 to 89.70): BF1

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: BF105060.D
 Acq: 3 May 2018 5:09

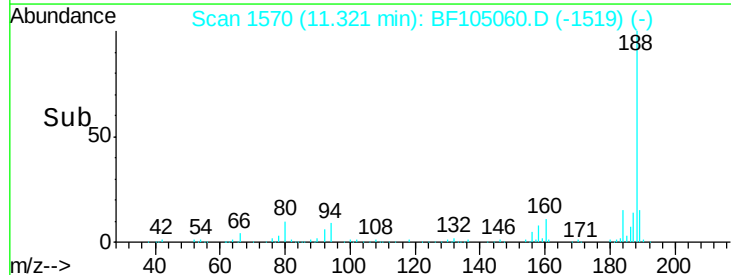
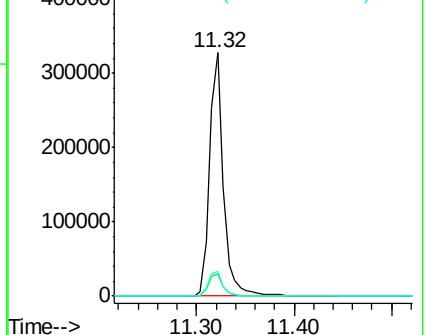
Tgt Ion:	188	Resp:	323537
Ion	Ratio	Lower	Upper
188	100		
94	9.2	8.5	12.7
80	10.0	9.2	13.8

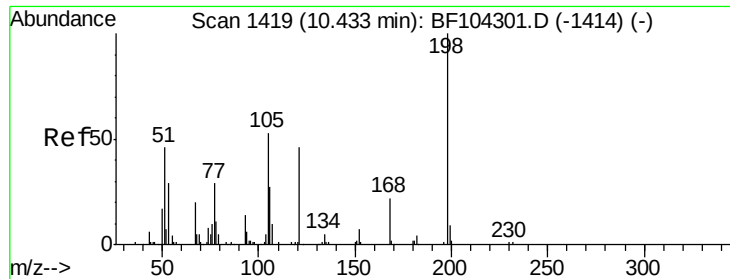


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

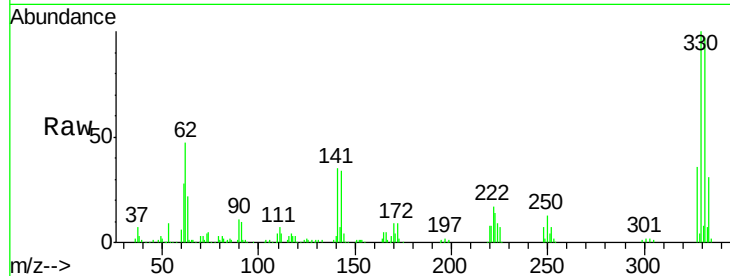




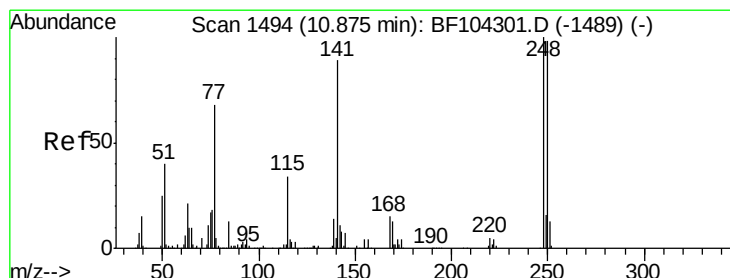
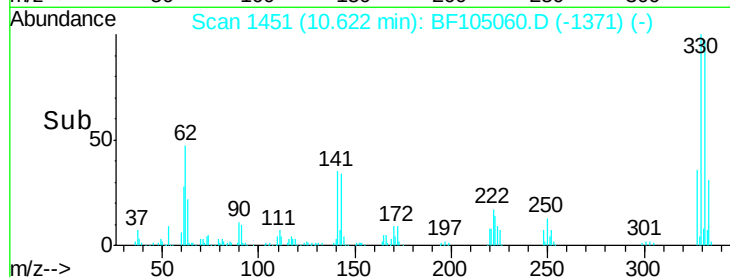
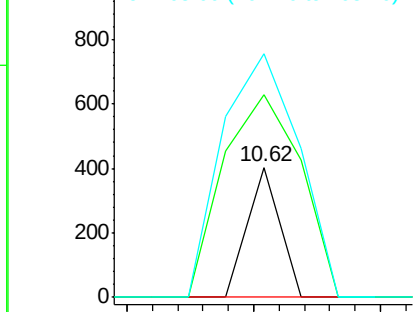
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.424 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. 0.17 min
 Lab File: BF105060.D
 Acq: 3 May 2018 5:09

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

Tgt Ion:198 Resp: 143
 Ion Ratio Lower Upper
 198 100
 51 155.9 37.7 77.7#
 105 187.1 36.3 76.3#

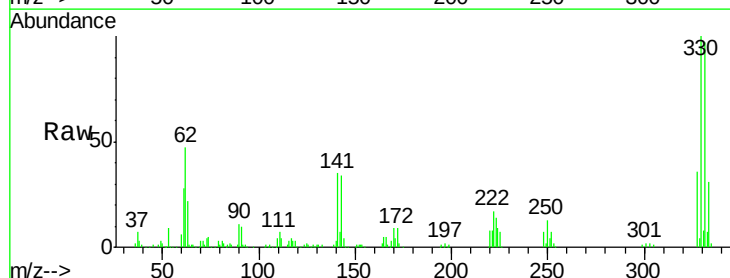


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

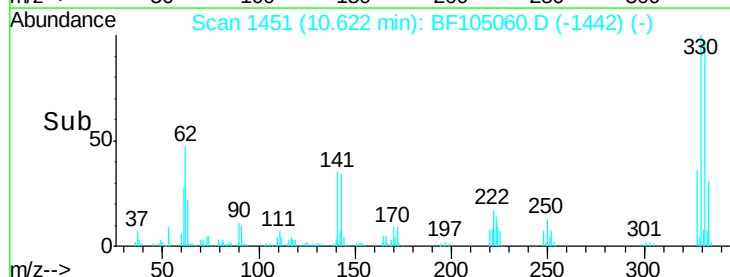
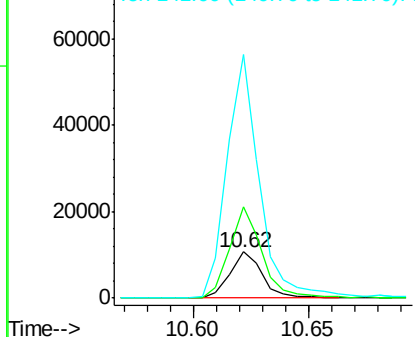


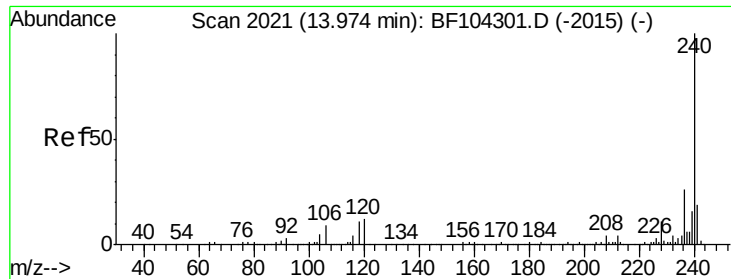
#66
 4-Bromophenyl-phenylether
 Concen: 3.023 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.25 min
 Lab File: BF105060.D
 Acq: 3 May 2018 5:09

Tgt Ion:248 Resp: 10404
 Ion Ratio Lower Upper
 248 100
 250 199.0 76.9 115.3#
 141 529.3 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

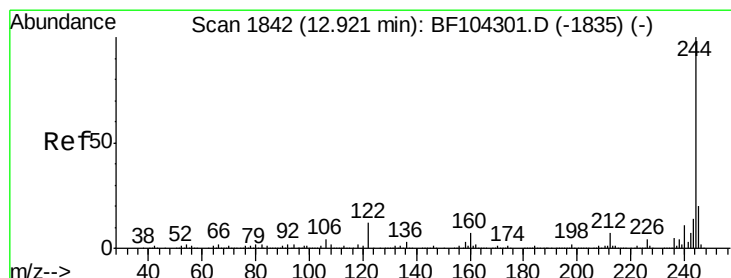
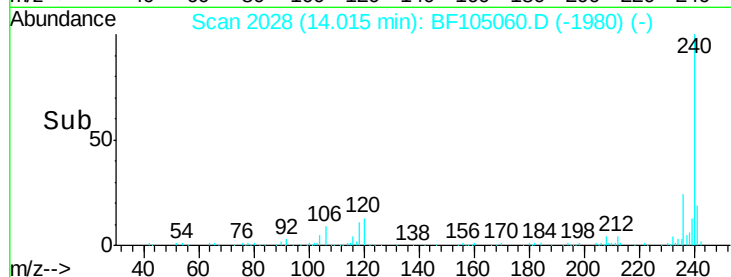
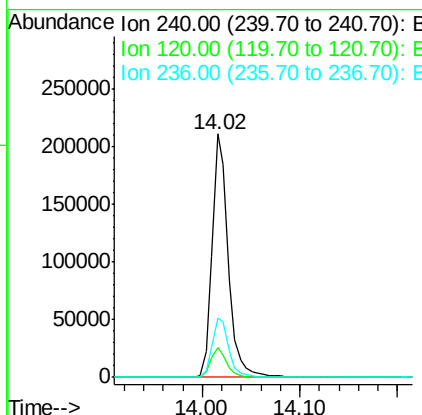
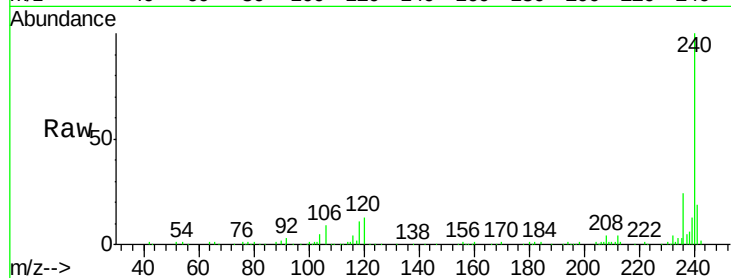




#75
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.02 min
Lab File: BF105060.D
Acq: 3 May 2018 5:09

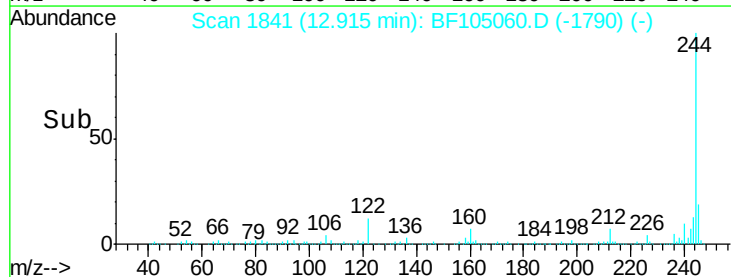
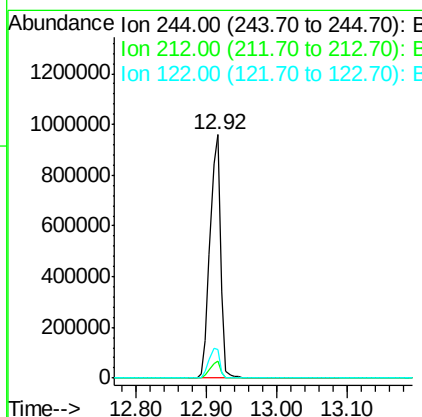
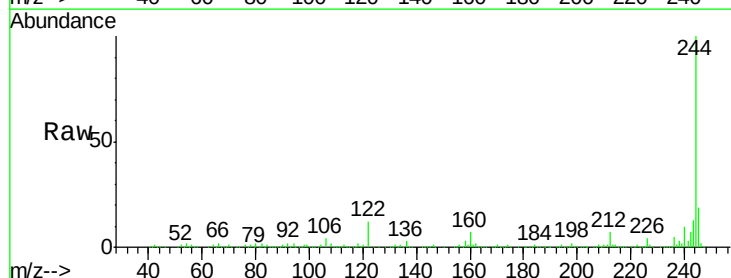
Instrument :
BNA_F
ClientSampleId :
043018-DBRI-E-D-M

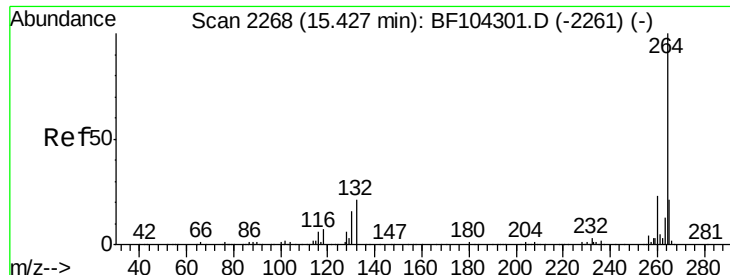
Tgt Ion:240 Resp: 240949
Ion Ratio Lower Upper
240 100
120 12.5 9.5 14.3
236 24.5 20.7 31.1



#78
Terphenyl-d14
Concen: 95.575 ng
RT: 12.92 min Scan# 1841
Delta R.T. -0.00 min
Lab File: BF105060.D
Acq: 3 May 2018 5:09

Tgt Ion:244 Resp: 1010109
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.0
122 11.6 11.0 16.4

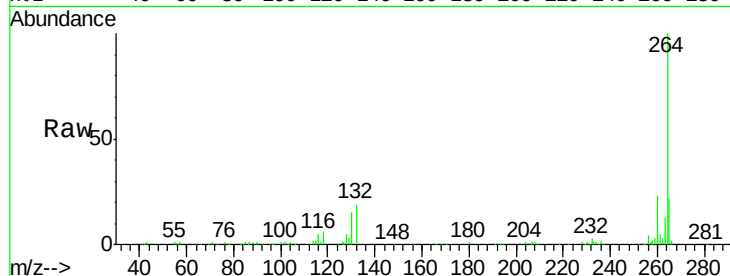




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. -0.01 min
Lab File: BF105060.D
Acq: 3 May 2018 5:09

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

Tgt Ion:	264	Resp:	201348
Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.2	28.8
265	22.2	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

