

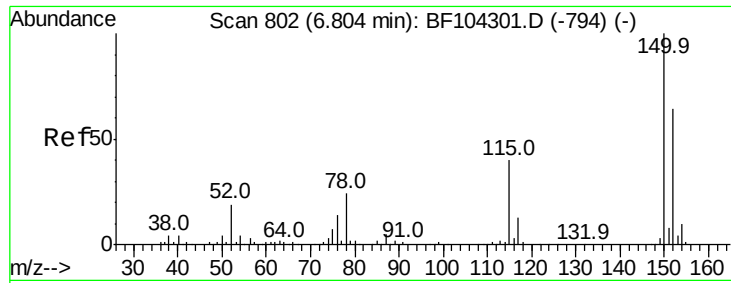
Data Path : Z:\HPCHEM1\BNA F\DATA\BF040618\
 Data File : BF104339.D
 Acq On : 7 Apr 2018 6:20
 Operator : JU/SJ
 Sample : J2225-14
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 040218-SIDI-F-U-B

Quant Time: Apr 09 00:47:10 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 06 16:44:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	136876	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	543999	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	235915	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	349001	20.00	ng	0.00
75) Chrysene-d12	13.97	240	267134	20.00	ng	0.00
86) Perylene-d12	15.42	264	242167	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	331177	37.00	ng	0.00
7) Phenol-d6	6.42	99	245398	22.31	ng	-0.01
23) Nitrobenzene-d5	7.37	82	830285	99.66	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	183175	74.85	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1371242	91.82	ng	0.00
78) Terphenyl-d14	12.92	244	987259	84.26	ng	0.00
Target Compounds						
9) Benzaldehyde	6.42	77	480	Below Cal		Qvalue
19) n-Nitroso-di-n-propylamine	7.37	70	109595	15.249 ng	#	1
25) Isophorone	7.37	82	829860	47.105 ng	#	74
49) Dimethylphthalate	9.56	163	37561	2.019 ng	#	64
50) 2,6-Dinitrotoluene	9.84	165	30210	8.776 ng	#	100
56) 2,4-Dinitrotoluene	9.84	165	30210	6.690 ng	#	26
64) 4,6-Dinitro-2-methylphenol	10.63	198	205	7.449 ng	#	24
66) 4-Bromophenyl-phenylether	10.63	248	11002	2.964 ng	#	1
76) Benzidine	12.92	184	13093	Below Cal	#	93

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

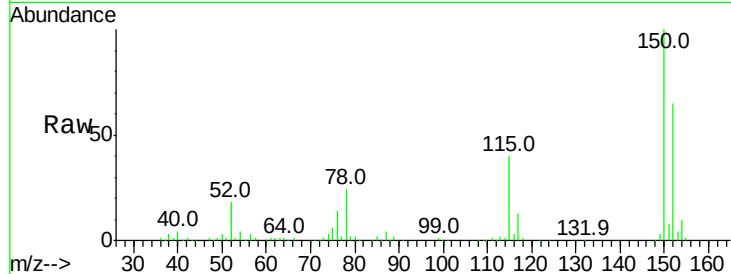


#1

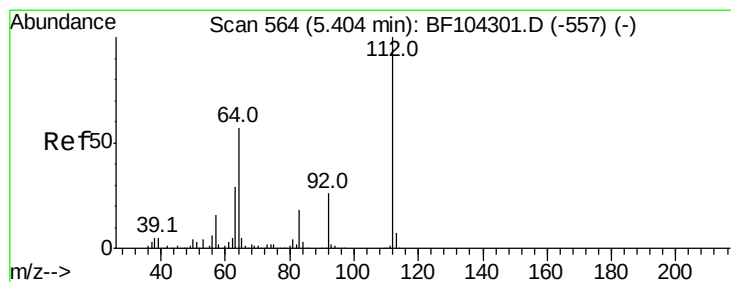
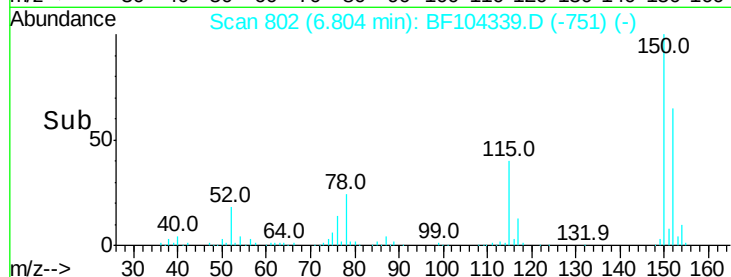
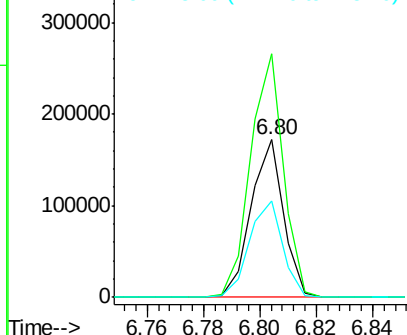
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104339.D
Acq: 7 Apr 2018 6:20

Instrument :
BNA_F
ClientSampleId :
040218-SIDI-F-U-B

Tot Ion:152 Resp: 136876
Ion Ratio Lower Upper
152 100
150 154.3 124.6 186.8
115 61.3 50.1 75.1



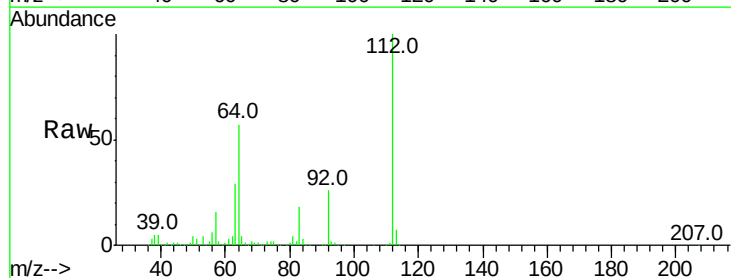
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



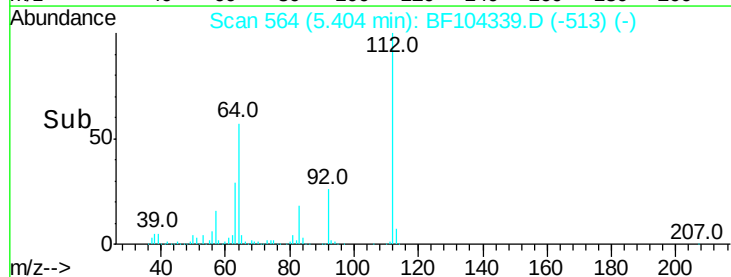
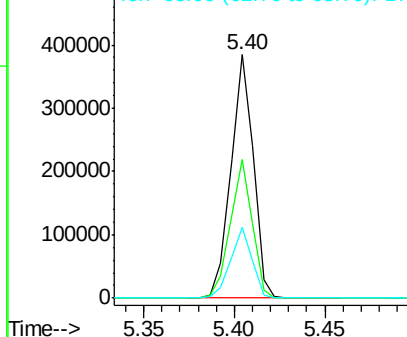
#5

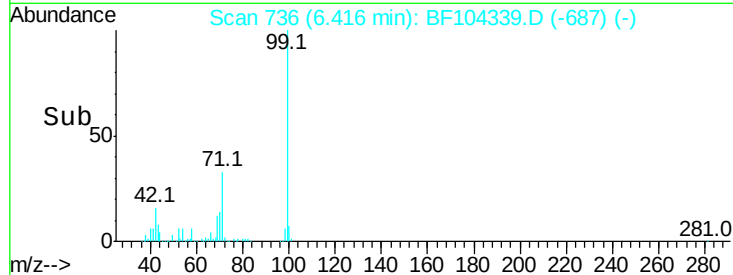
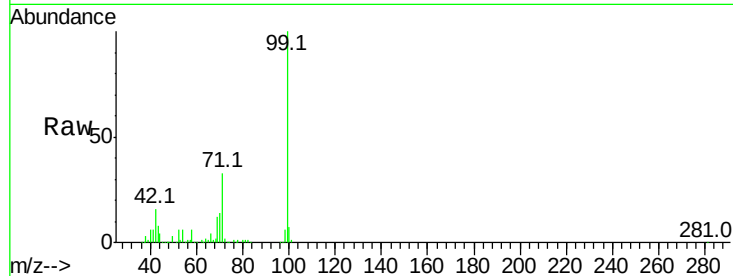
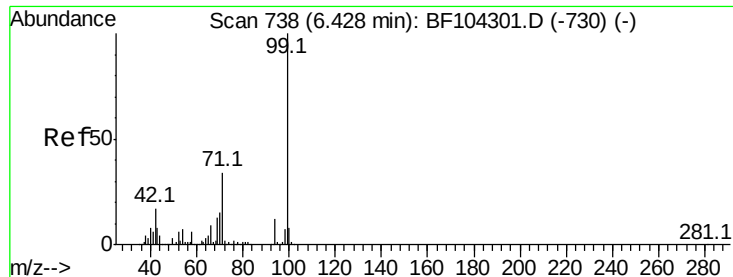
2-Fluorophenol
Concen: 36.996 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.00 min
Lab File: BF104339.D
Acq: 7 Apr 2018 6:20

Tgt Ion:112 Resp: 331177
Ion Ratio Lower Upper
112 100
64 57.1 47.9 71.9
63 29.0 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: 22.312 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF104339.D

Acq: 7 Apr 2018 6:20

Instrument :

BNA_F

ClientSampleId :

040218-SIDI-F-U-B

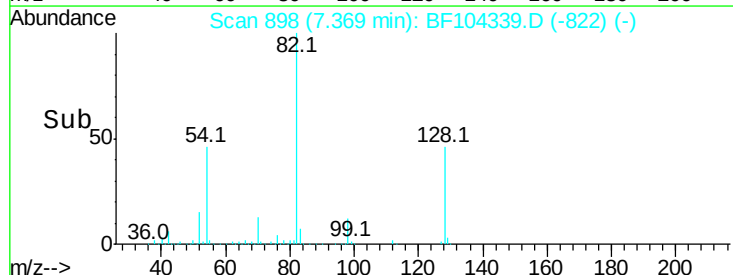
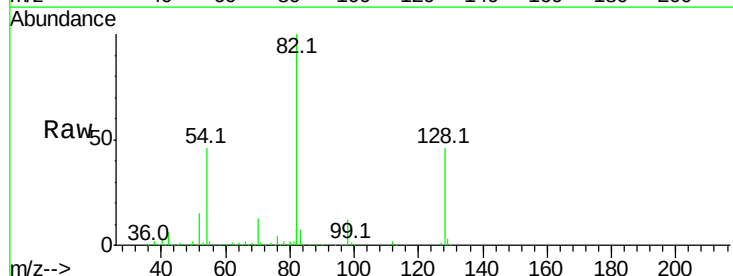
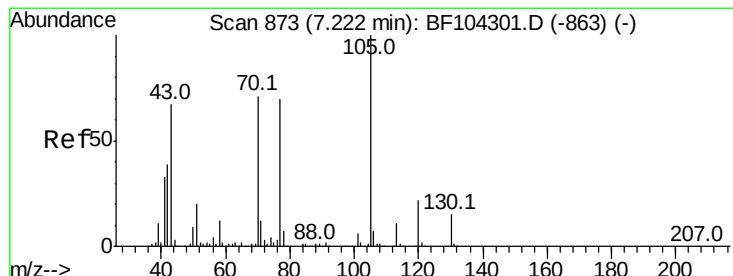
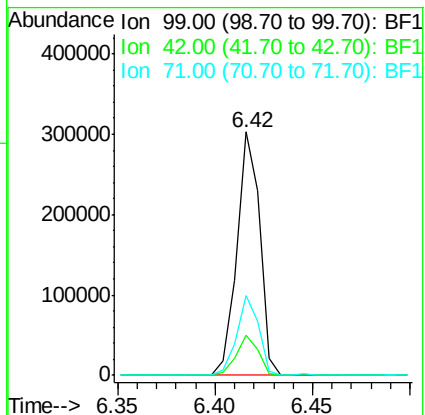
Tot Ion: 99 Resp: 245398

Ion Ratio Lower Upper

99 100

42 16.3 14.5 21.7

71 32.6 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.249 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104339.D

Acq: 7 Apr 2018 6:20

Tgt Ion: 70 Resp: 109595

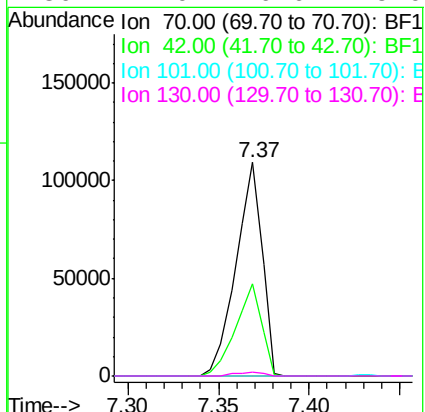
Ion Ratio Lower Upper

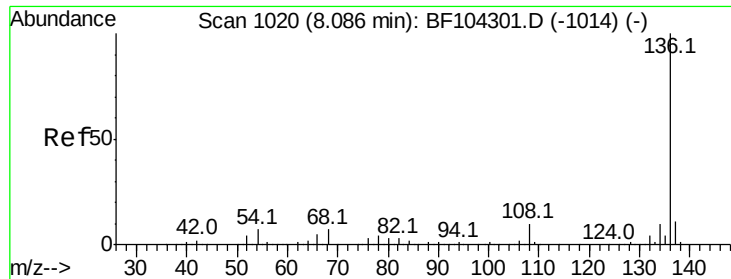
70 100

42 43.1 47.5 71.3#

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

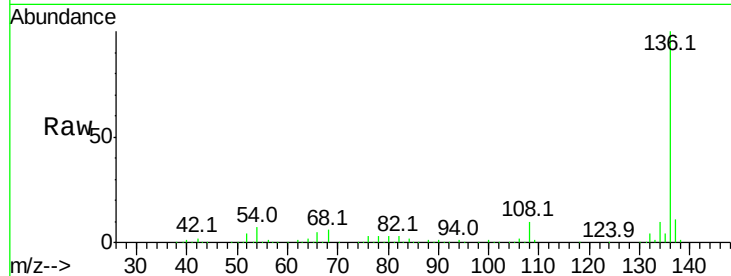




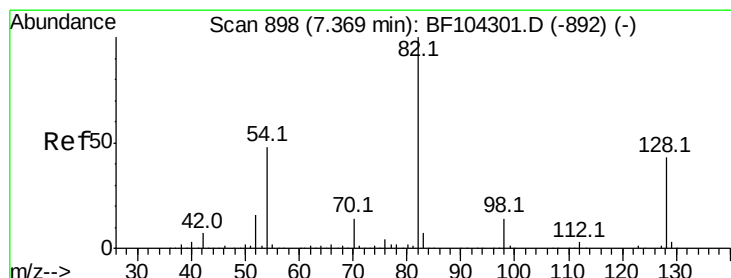
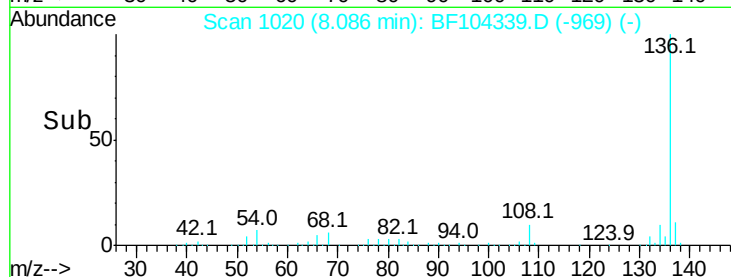
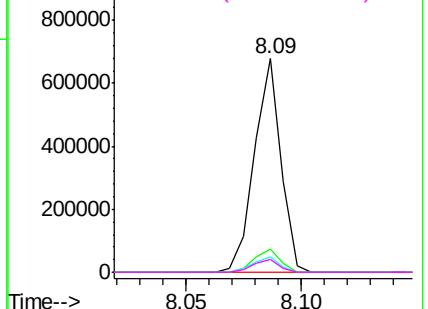
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF104339.D
Acq: 7 Apr 2018 6:20

Instrument :
BNA_F
ClientSampleId :
040218-SIDI-F-U-B

Tot Ion:	136	Resp:	543999
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	7.0	6.6	9.8
68	6.2	5.0	7.4

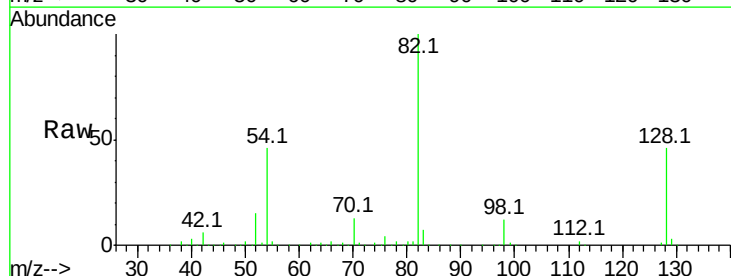


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

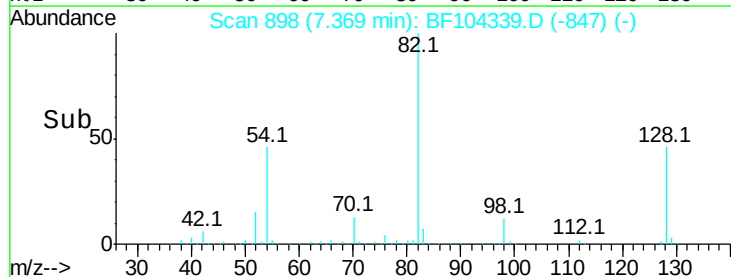
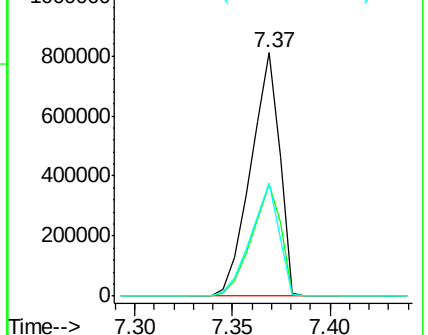


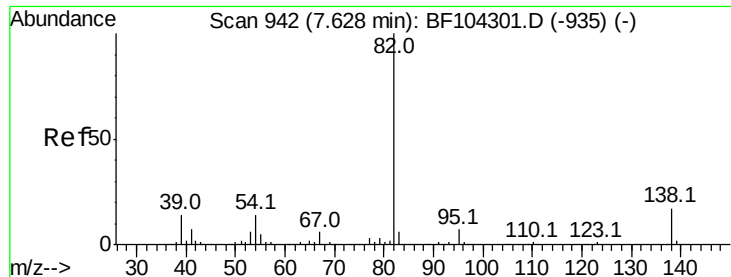
#23
Nitrobenzene-d5
Concen: 99.662 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.00 min
Lab File: BF104339.D
Acq: 7 Apr 2018 6:20

Tgt Ion:	82	Resp:	830285
Ion	Ratio	Lower	Upper
82	100		
128	46.0	36.1	54.1
54	46.2	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: 47.105 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104339.D

Acq: 7 Apr 2018 6:20

Instrument :

BNA_F

ClientSampleId :

040218-SIDI-F-U-B

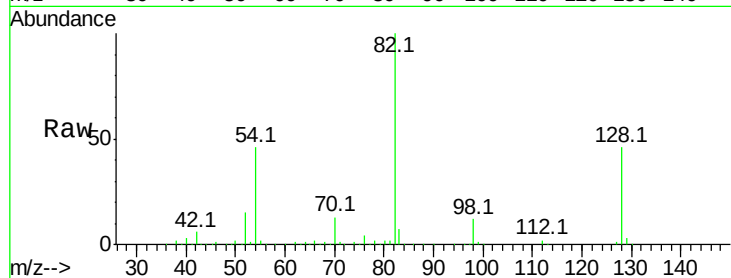
Tot Ion: 82 Resp: 829860

Ion Ratio Lower Upper

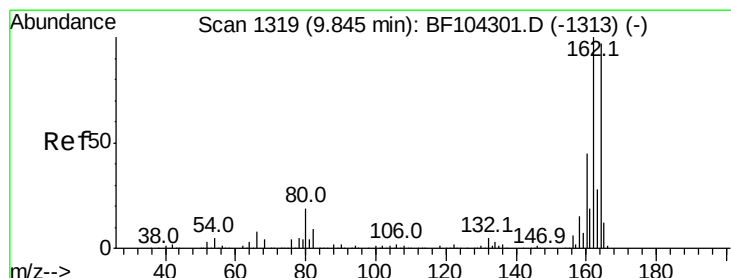
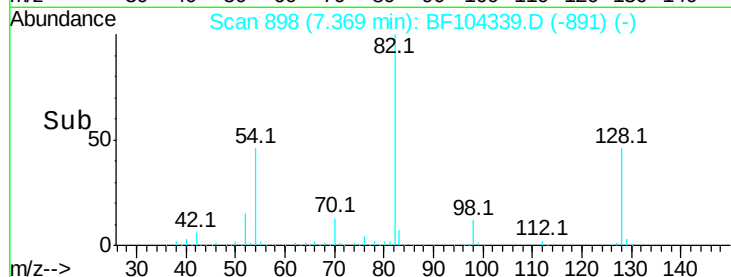
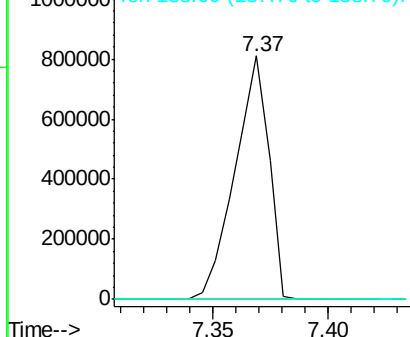
82 100

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: BF104339.D

Acq: 7 Apr 2018 6:20

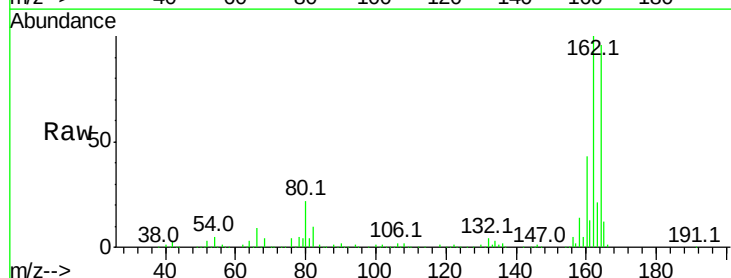
Tgt Ion:164 Resp: 235915

Ion Ratio Lower Upper

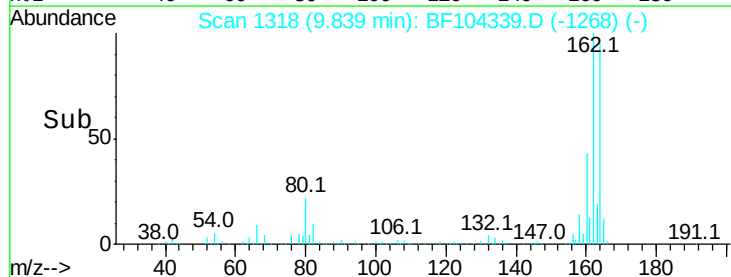
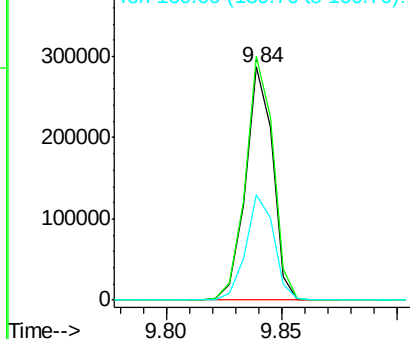
164 100

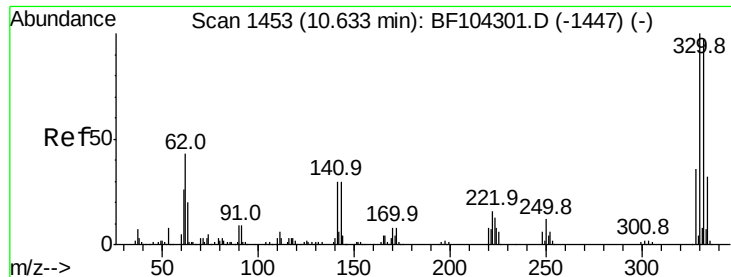
162 104.5 86.1 129.1

160 45.0 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: 74.851 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BF104339.D

Acq: 7 Apr 2018 6:20

Instrument :

BNA_F

ClientSampleId :

040218-SIDI-F-U-B

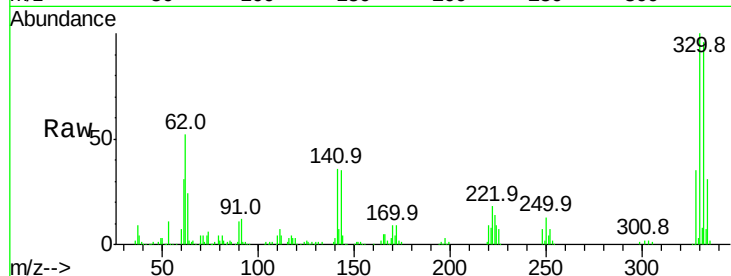
Tot Ion:330 Resp: 183175

Ion Ratio Lower Upper

330 100

332 96.1 77.0 115.6

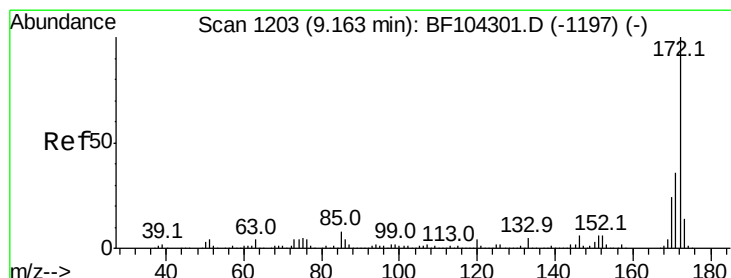
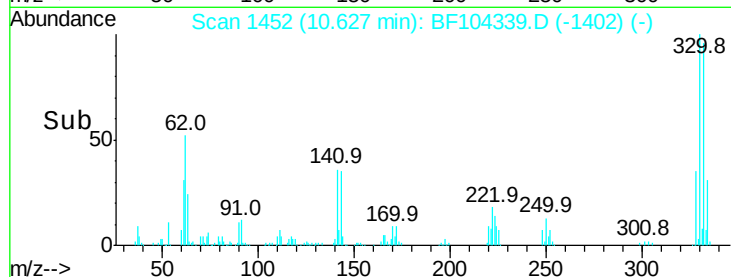
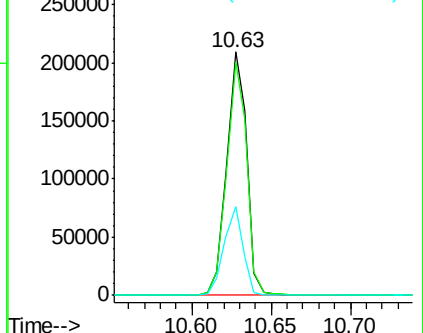
141 34.8 29.9 44.9



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: 91.822 ng

RT: 9.16 min Scan# 1203

Delta R.T. 0.00 min

Lab File: BF104339.D

Acq: 7 Apr 2018 6:20

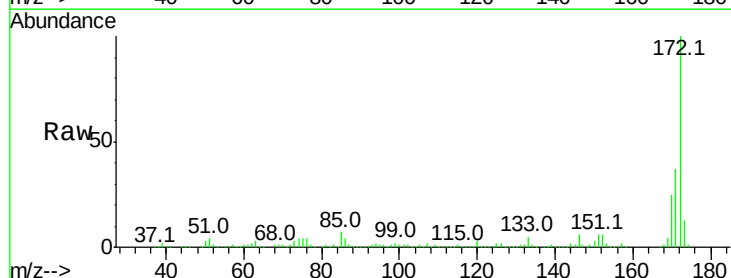
Tgt Ion:172 Resp: 1371242

Ion Ratio Lower Upper

172 100

171 36.6 29.7 44.5

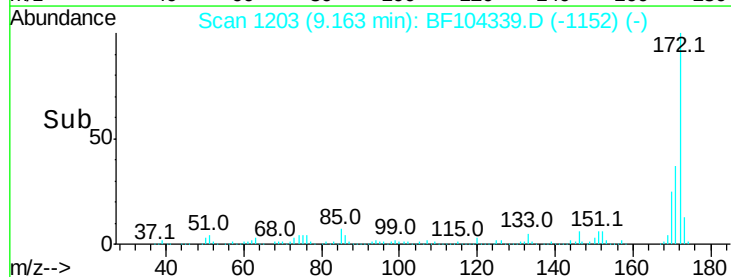
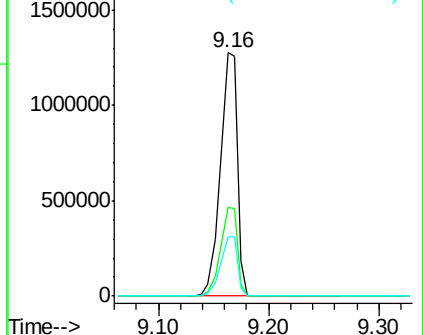
170 24.6 19.6 29.4

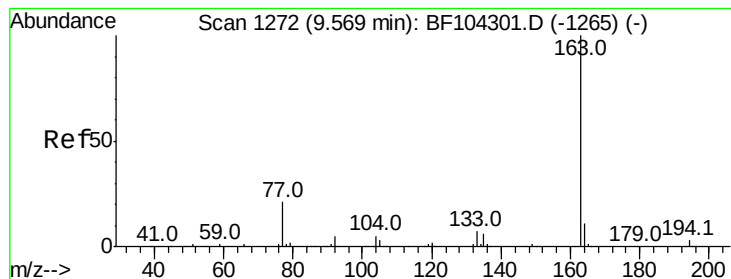


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 2.019 ng

RT: 9.56 min Scan# 1270

Delta R.T. -0.01 min

Lab File: BF104339.D

Acq: 7 Apr 2018 6:20

Instrument :

BNA_F

ClientSampleId :

040218-SIDI-F-U-B

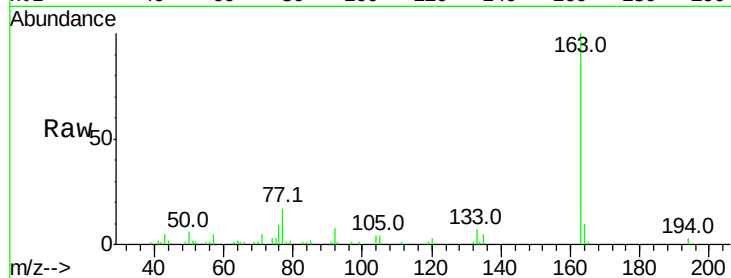
Tot Ion:163 Resp: 37561

Ion Ratio Lower Upper

163 100

194 3.1 2.7 4.1

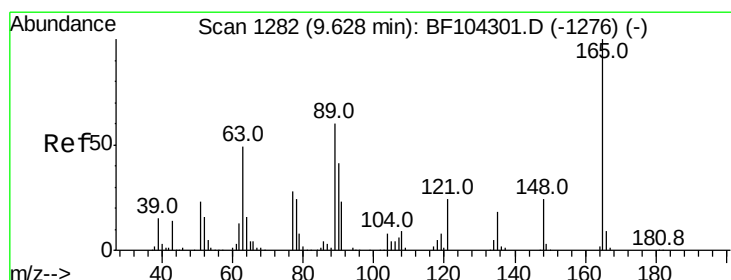
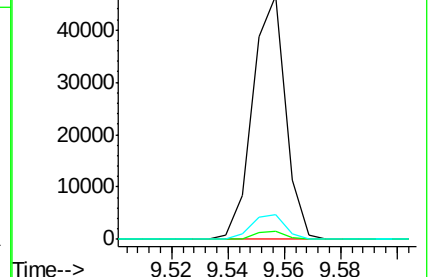
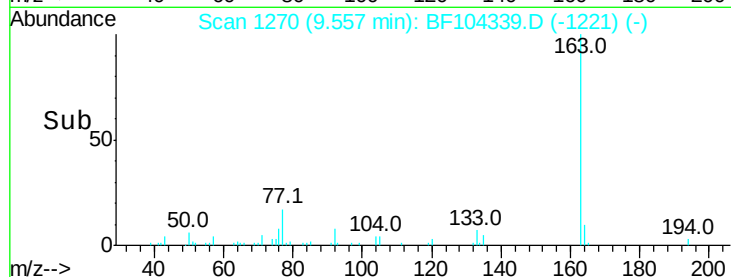
164 10.2 8.2 12.2



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: 8.776 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.21 min

Lab File: BF104339.D

Acq: 7 Apr 2018 6:20

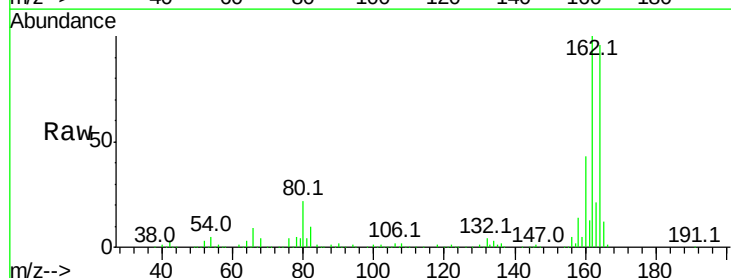
Tgt Ion:165 Resp: 30210

Ion Ratio Lower Upper

165 100

63 1.6 44.7 67.1#

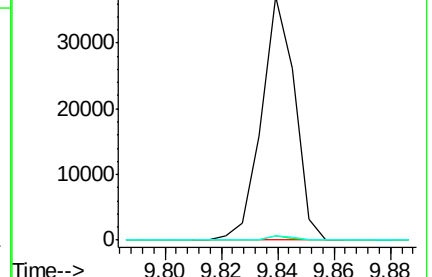
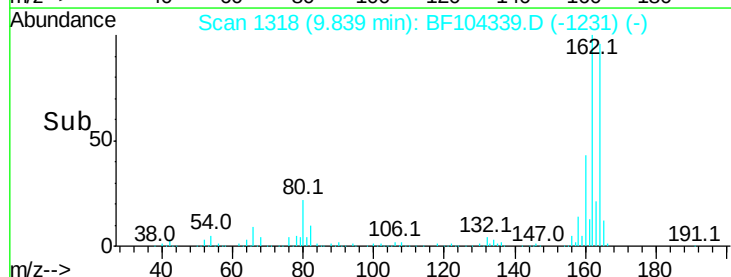
89 1.8 44.0 66.0#

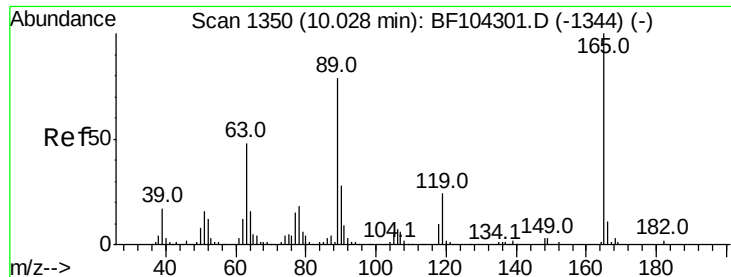


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

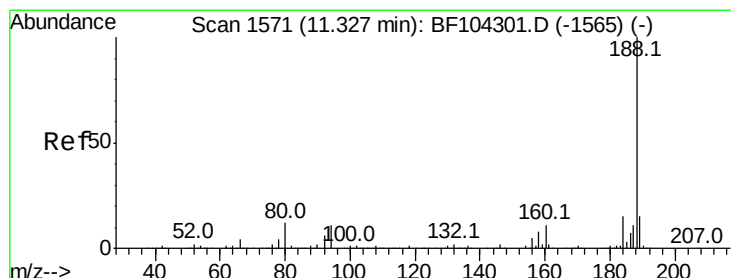
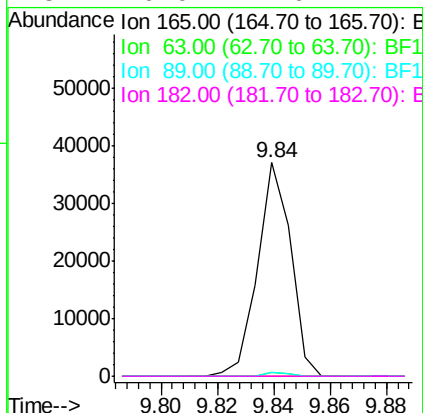
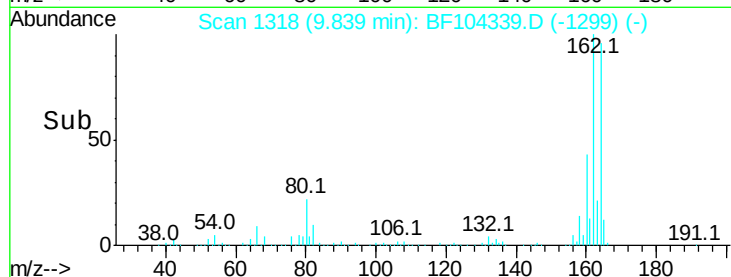
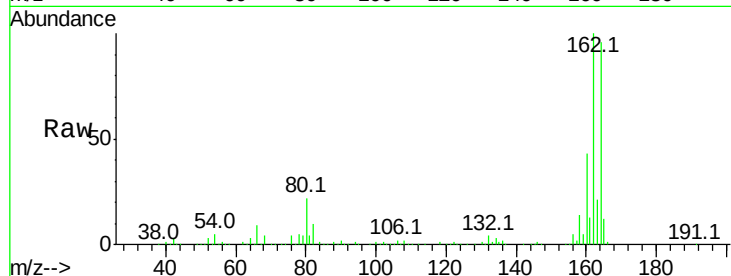




#56
 2,4-Dinitrotoluene
 Concen: 6.690 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.19 min
 Lab File: BF104339.D
 Acq: 7 Apr 2018 6:20

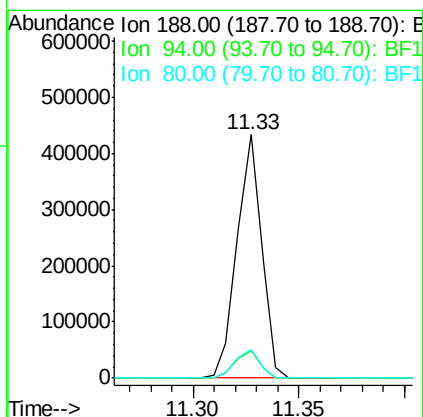
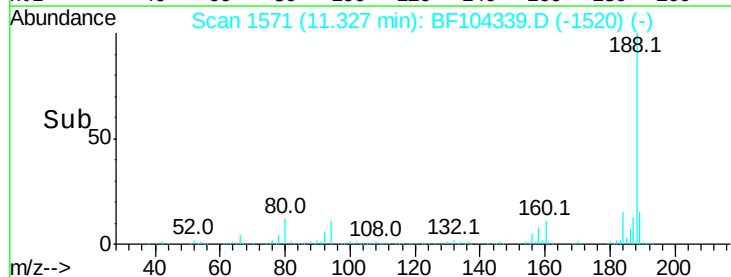
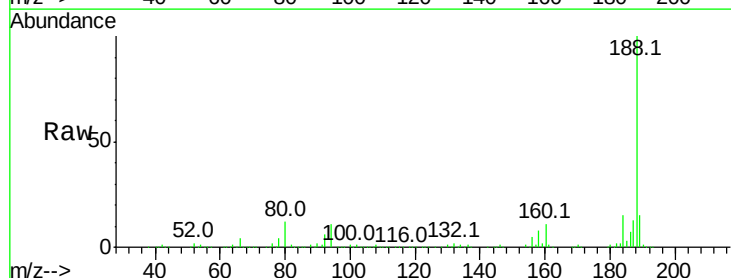
Instrument :
 BNA_F
 ClientSampleId :
 040218-SIDI-F-U-B

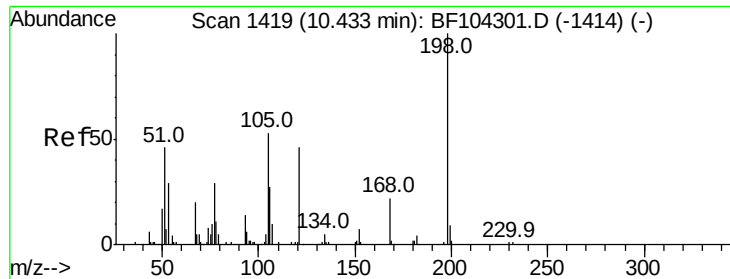
Tot Ion:165	Resp:	30210	
Ion Ratio	Lower	Upper	
165 100			
63 1.6	36.4	54.6#	
89 1.8	57.8	86.6#	
182 0.0	1.6	2.4#	



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: BF104339.D
 Acq: 7 Apr 2018 6:20

Tgt Ion	188	Resp: Lower	349001 Upper
	Ratio		
188	100		
94	11.0	8.5	12.7
80	11.6	9.2	13.8

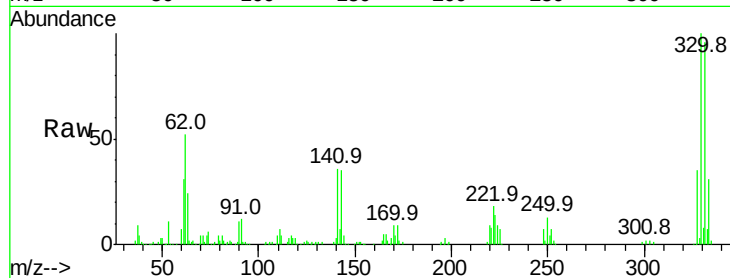




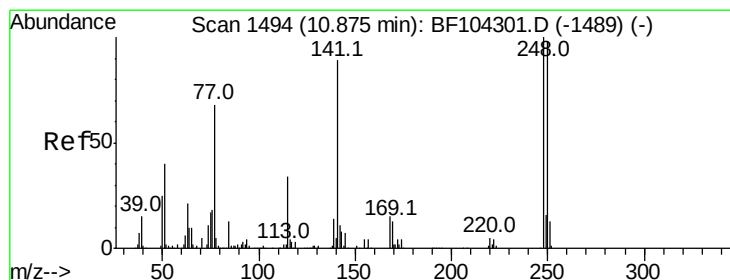
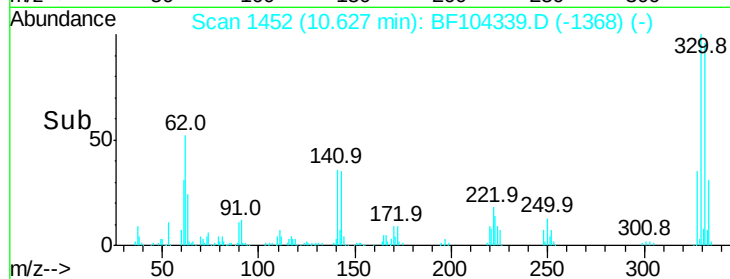
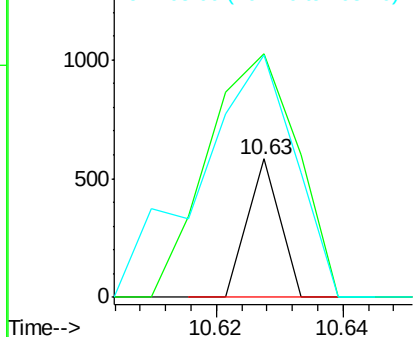
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.449 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. 0.19 min
 Lab File: BF104339.D
 Acq: 7 Apr 2018 6:20

Instrument :
 BNA_F
 ClientSampleId :
 040218-SIDI-F-U-B

Tot Ion	Ratio	Lower	Upper
198	100		
51	176.3	37.7	77.7#
105	175.8	36.3	76.3#

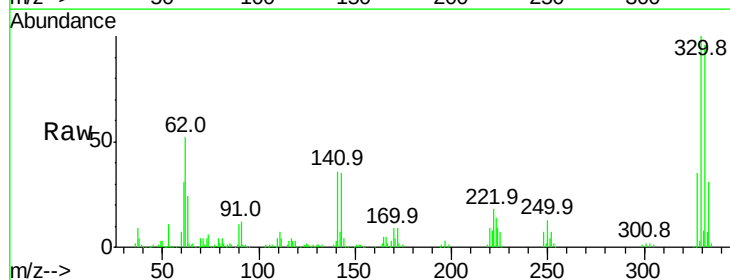


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

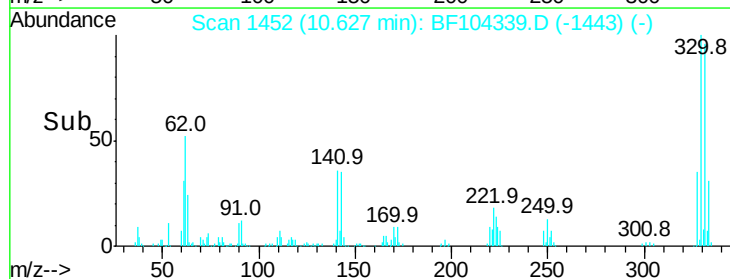
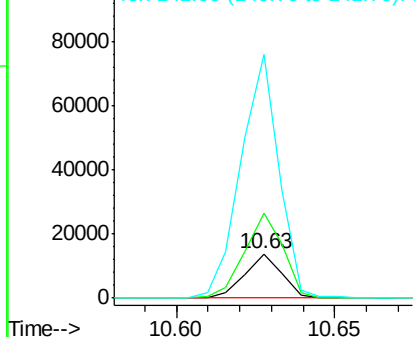


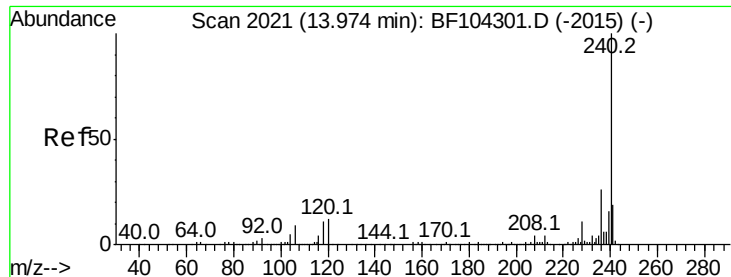
#66
 4-Bromophenyl-phenylether
 Concen: 2.964 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.25 min
 Lab File: BF104339.D
 Acq: 7 Apr 2018 6:20

Tgt Ion	Ratio	Lower	Upper
248	100		
250	191.3	76.9	115.3#
141	552.7	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# 2020

Delta R.T. -0.01 min

Lab File: BF104339.D

Acq: 7 Apr 2018 6:20

Instrument :

BNA_F

ClientSampleId :

040218-SIDI-F-U-B

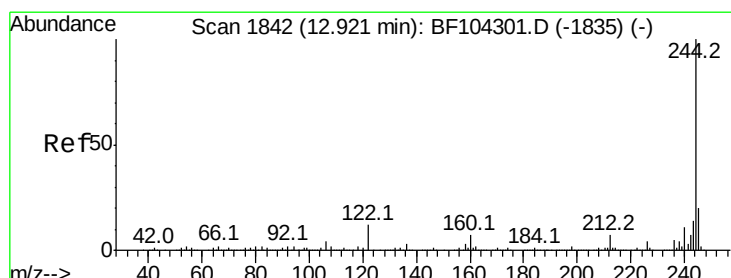
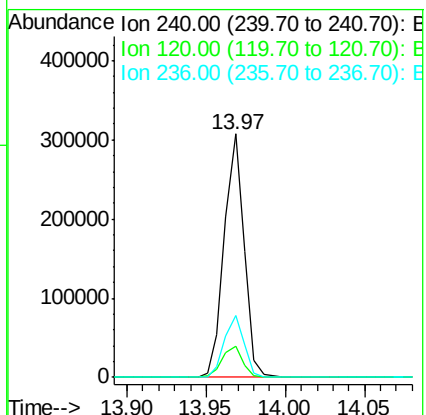
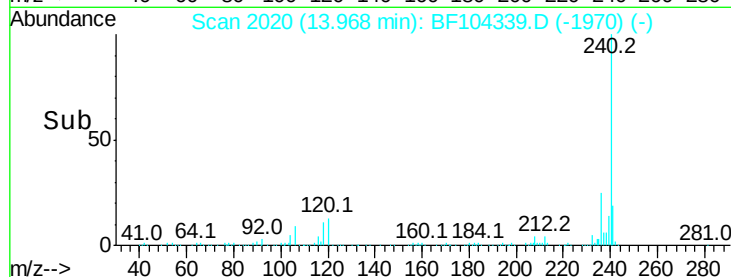
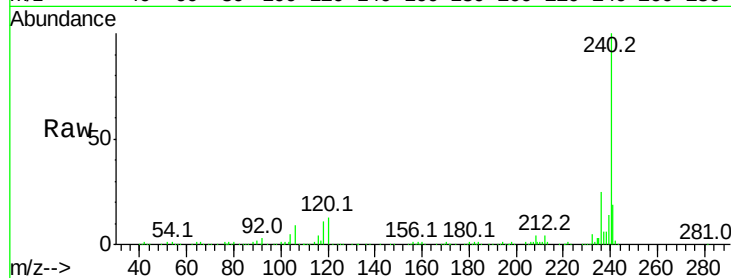
Tot Ion:240 Resp: 267134

Ion Ratio Lower Upper

240 100

120 12.7 9.5 14.3

236 25.4 20.7 31.1



#78

Terphenyl-d14

Concen: 84.257 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BF104339.D

Acq: 7 Apr 2018 6:20

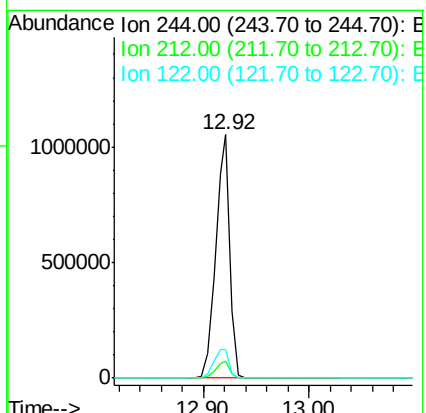
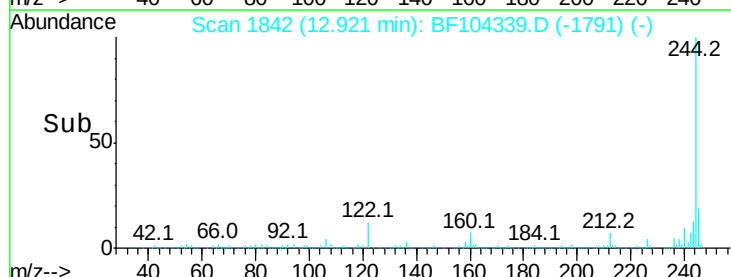
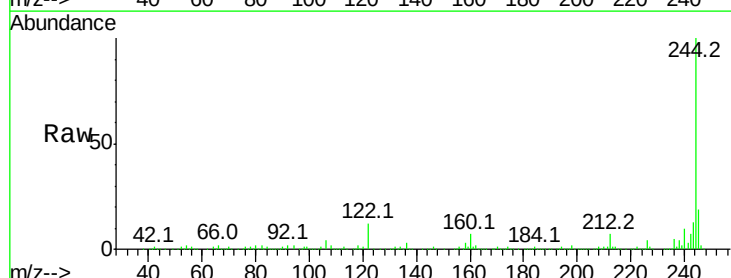
Tgt Ion:244 Resp: 987259

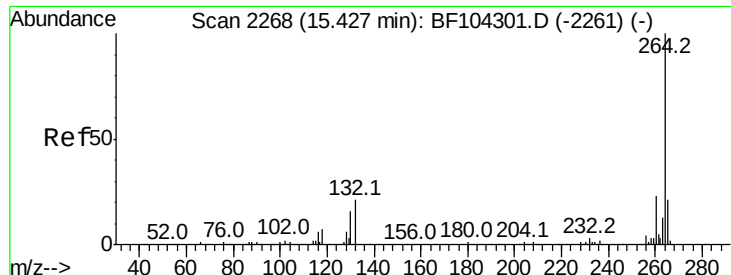
Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

122 11.9 11.0 16.4





#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2267
Delta R.T. -0.01 min
Lab File: BF104339.D
Acq: 7 Apr 2018 6:20

Instrument :
BNA_F
ClientSampleId :
040218-SIDI-F-U-B

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.2	28.8
265	21.1	17.5	26.3

