

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040618\
 Data File : BF104338.D
 Acq On : 7 Apr 2018 5:53
 Operator : JU/SJ
 Sample : J2225-13
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 040218-SIDI-F-D-S

Quant Time: Apr 07 06:41:25 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

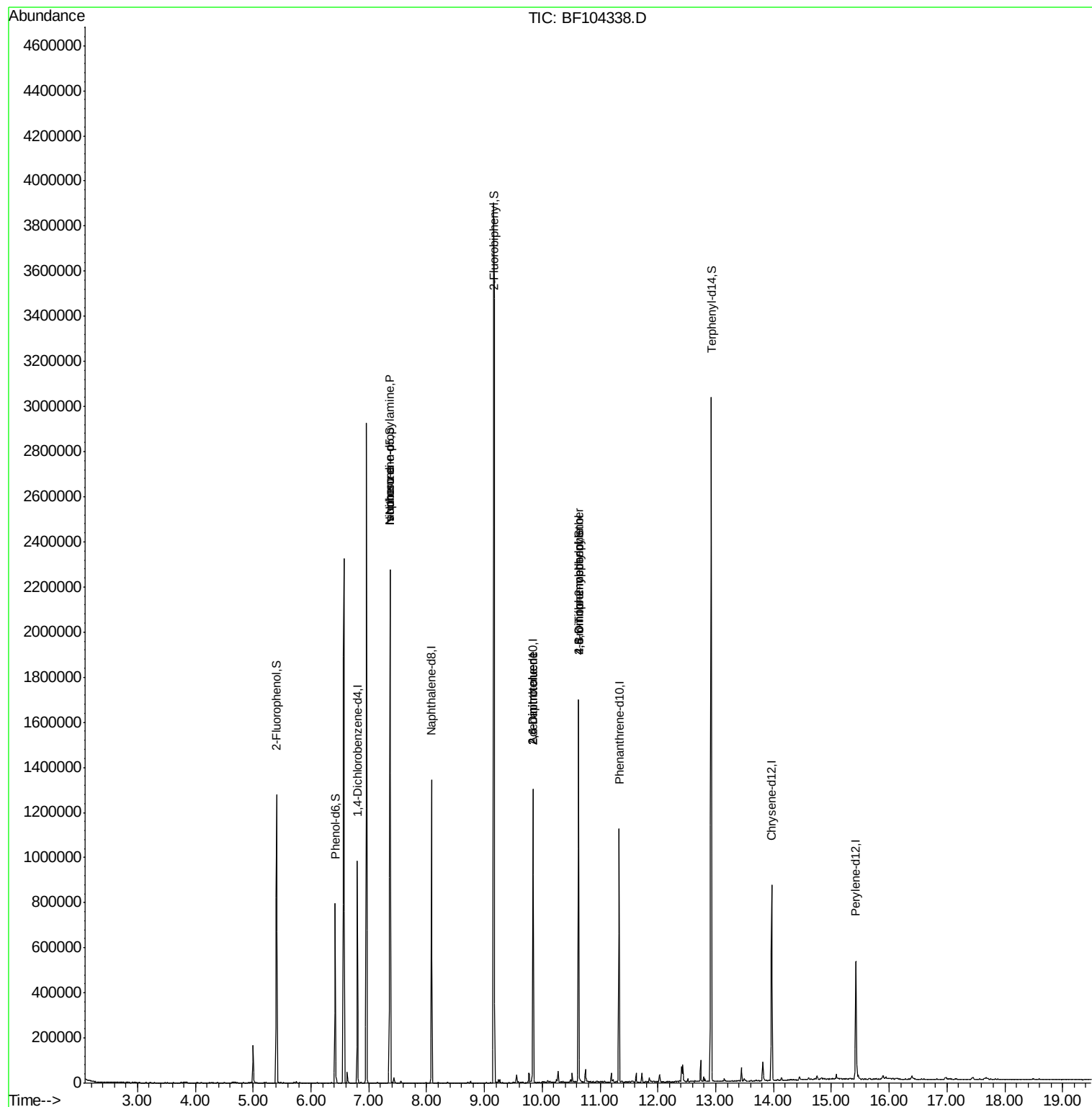
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	134502	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	536958	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	233219	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	347326	20.00	ng	0.00
75) Chrysene-d12	13.97	240	265283	20.00	ng	0.00
86) Perylene-d12	15.43	264	242938	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	336427	38.25	ng	0.00
7) Phenol-d6	6.42	99	248978	23.04	ng	-0.01
23) Nitrobenzene-d5	7.37	82	819687	99.68	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	190002	78.54	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1352922	91.64	ng	0.00
78) Terphenyl-d14	12.92	244	1002568	86.16	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	108303	15.335	ng	# 72
25) Isophorone	7.37	82	819523	47.129	ng	# 64
50) 2,6-Dinitrotoluene	9.84	165	29715	8.732	ng	# 26
56) 2,4-Dinitrotoluene	9.84	165	29715	6.657	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.63	198	226	7.460	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	11584	3.136	ng	# 1
76) Benzidine	12.92	184	13088	Below Cal		99

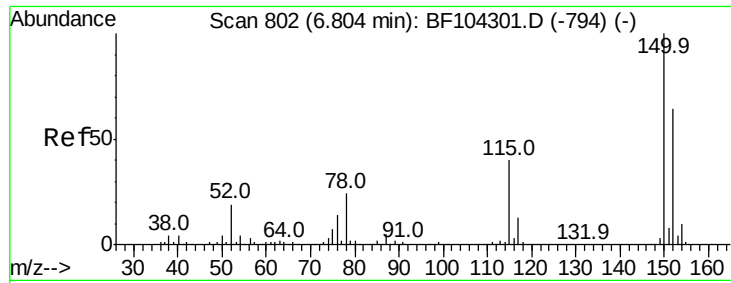
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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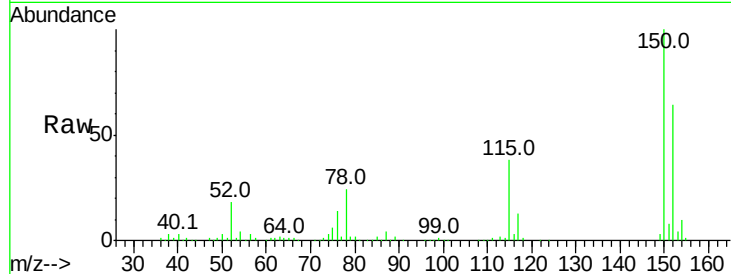


#1

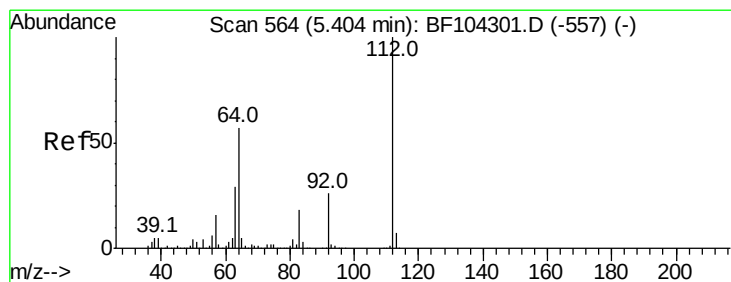
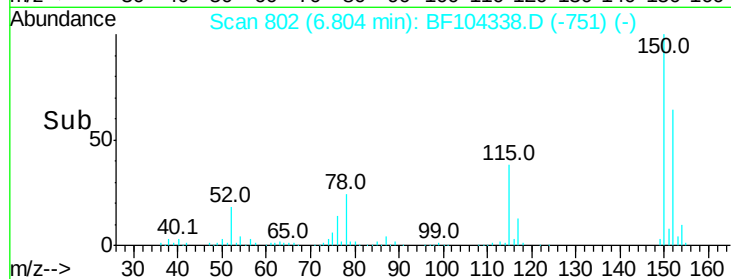
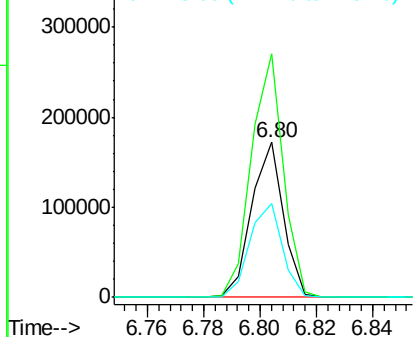
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.80 min Scan# 802
 Delta R.T. -0.00 min
 Lab File: BF104338.D
 Acq: 7 Apr 2018 5:53

Instrument :
 BNA_F
 ClientSampleId :
 040218-SIDI-F-D-S

Tot Ion:152 Resp: 134502
 Ion Ratio Lower Upper
 152 100
 150 157.1 124.6 186.8
 115 60.4 50.1 75.1



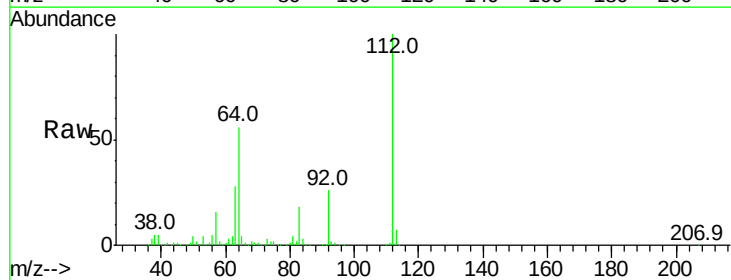
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



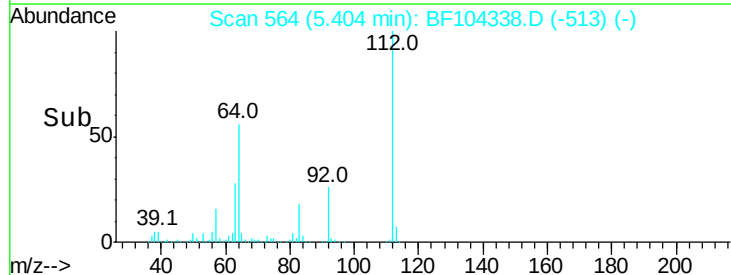
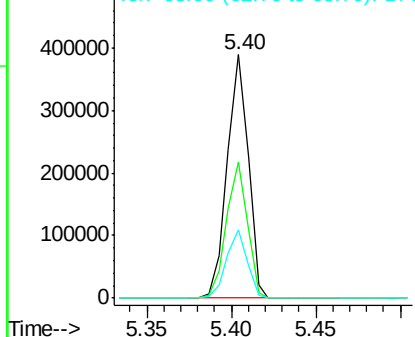
#5

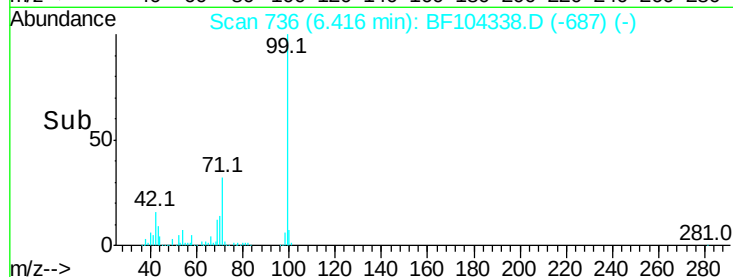
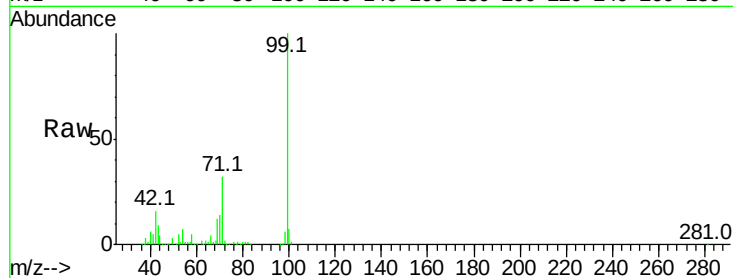
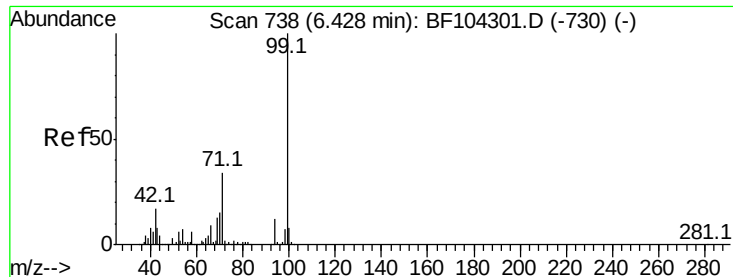
2-Fluorophenol
 Concen: 38.246 ng
 RT: 5.40 min Scan# 564
 Delta R.T. -0.00 min
 Lab File: BF104338.D
 Acq: 7 Apr 2018 5:53

Tgt Ion:112 Resp: 336427
 Ion Ratio Lower Upper
 112 100
 64 56.1 47.9 71.9
 63 28.2 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: 23.037 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF104338.D

Acq: 7 Apr 2018 5:53

Instrument :

BNA_F

ClientSampleId :

040218-SIDI-F-D-S

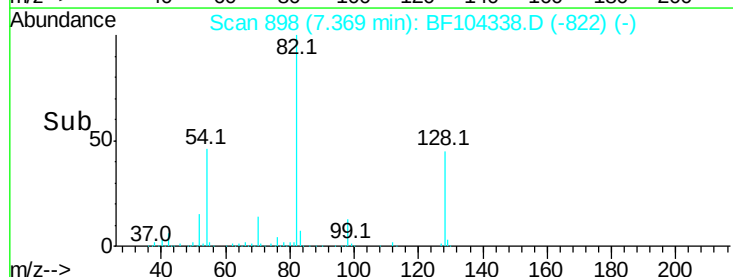
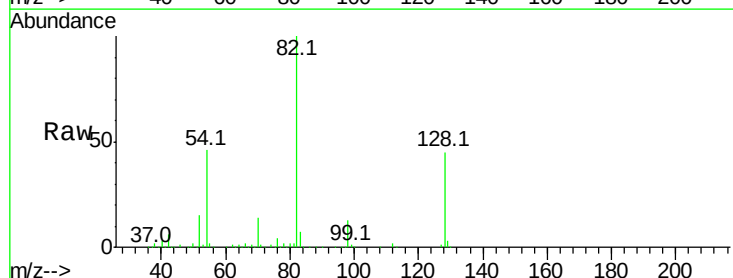
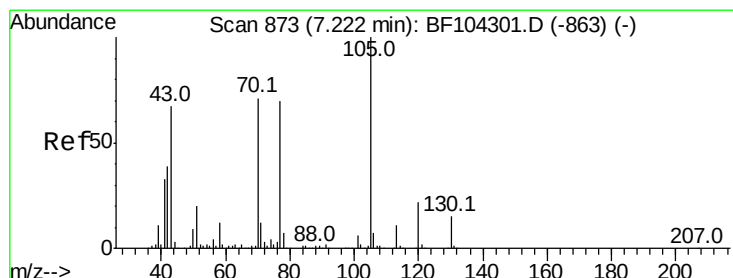
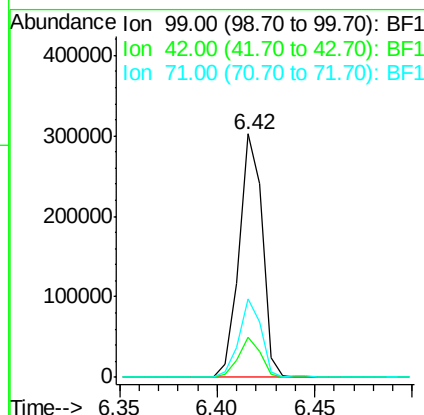
Tot Ion: 99 Resp: 248978

Ion Ratio Lower Upper

99 100

42 16.5 14.5 21.7

71 32.4 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.335 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104338.D

Acq: 7 Apr 2018 5:53

Tgt Ion: 70 Resp: 108303

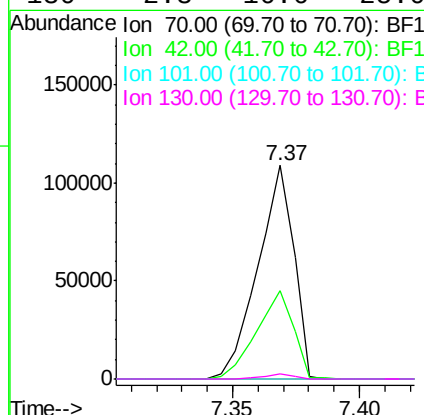
Ion Ratio Lower Upper

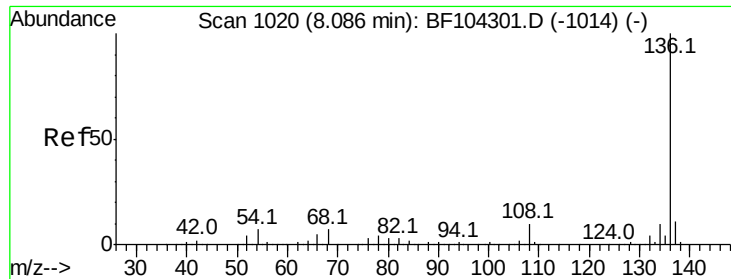
70 100

42 41.4 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

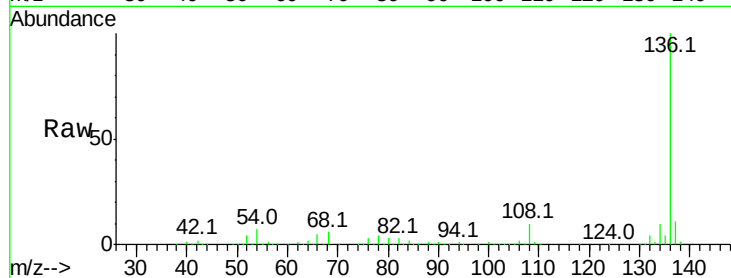




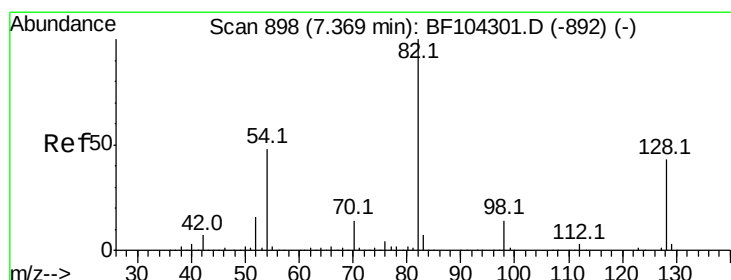
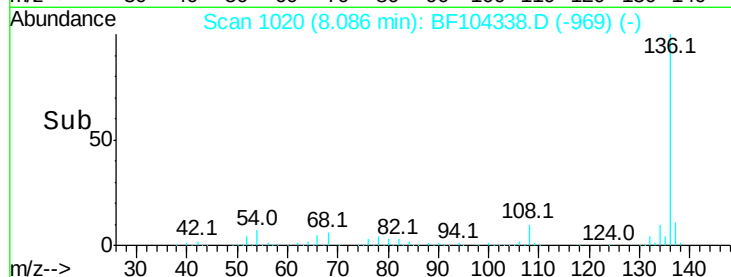
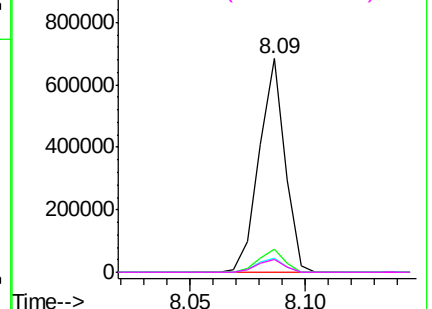
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF104338.D
Acq: 7 Apr 2018 5:53

Instrument :
BNA_F
ClientSampleId :
040218-SIDI-F-D-S

Tot Ion:	136	Resp:	536958
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.9	13.3
54	6.8	6.6	9.8
68	6.2	5.0	7.4

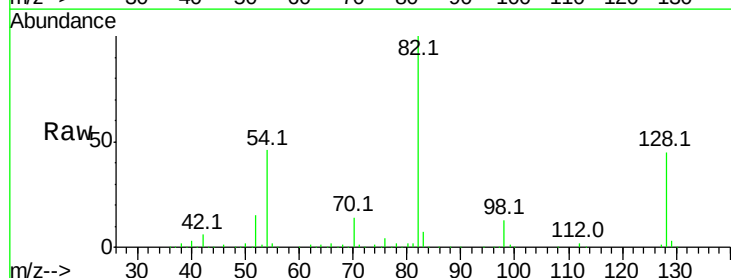


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

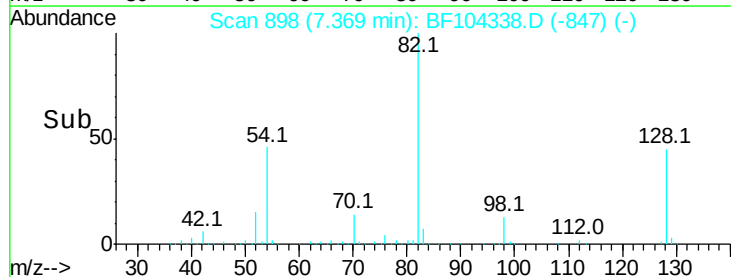
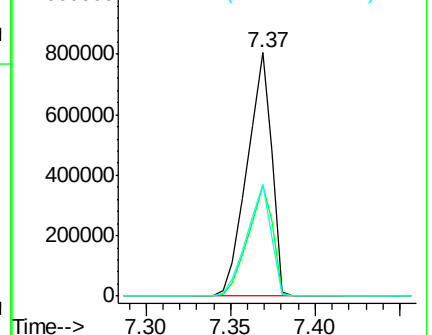


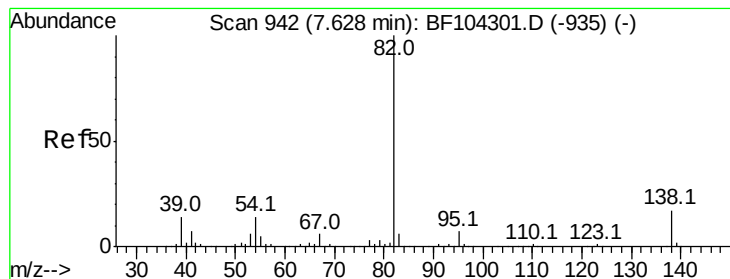
#23
Nitrobenzene-d5
Concen: 99.680 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.00 min
Lab File: BF104338.D
Acq: 7 Apr 2018 5:53

Tgt Ion:	82	Resp:	819687
Ion	Ratio	Lower	Upper
82	100		
128	45.2	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: 47.129 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104338.D

Acq: 7 Apr 2018 5:53

Instrument :

BNA_F

ClientSampleId :

040218-SIDI-F-D-S

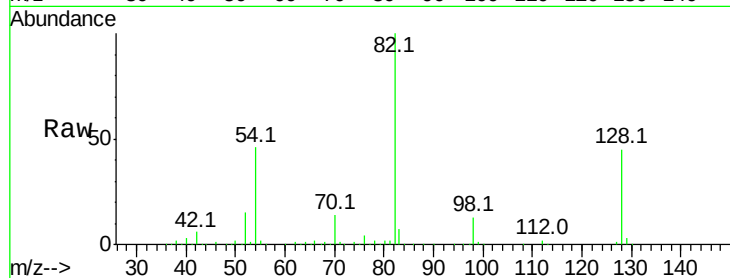
Tot Ion: 82 Resp: 819523

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

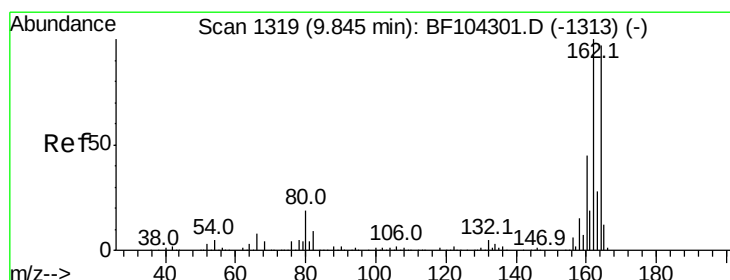
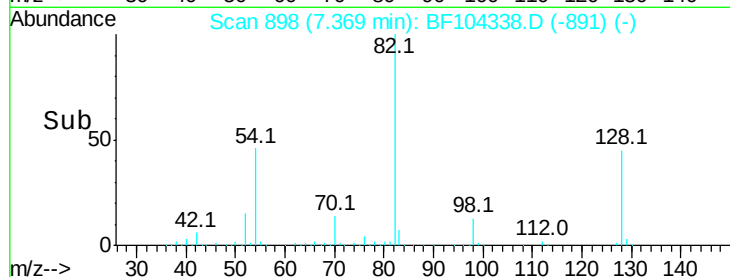
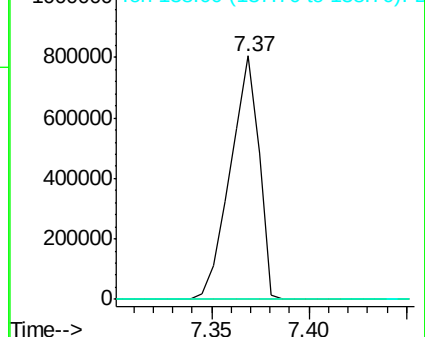
138 0.0 14.9 22.3#



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: BF104338.D

Acq: 7 Apr 2018 5:53

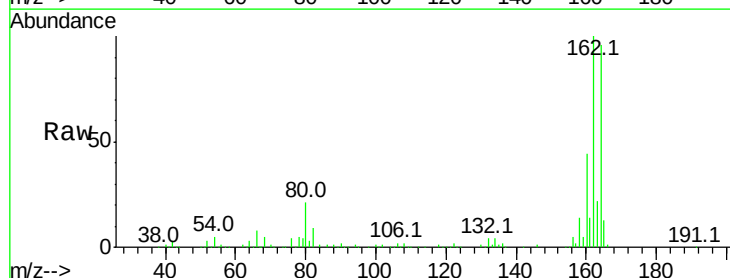
Tgt Ion:164 Resp: 233219

Ion Ratio Lower Upper

164 100

162 104.2 86.1 129.1

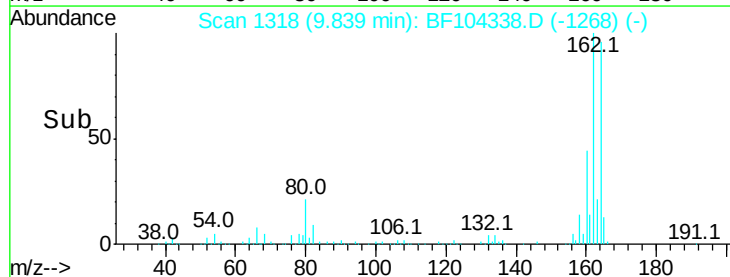
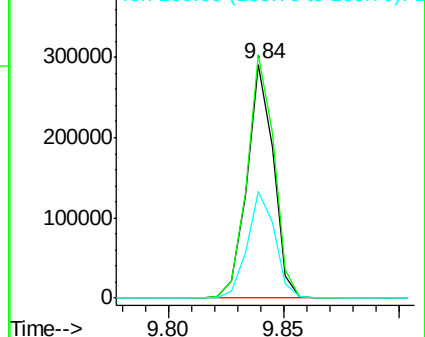
160 45.8 38.3 57.5

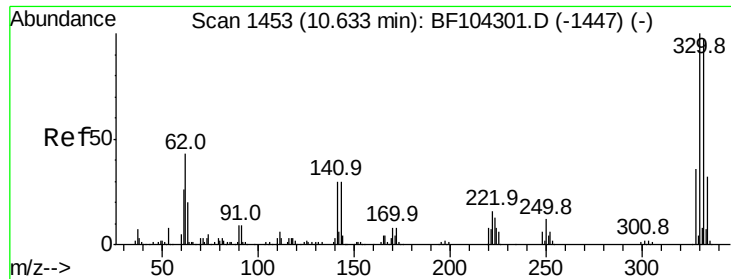


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#41

2,4,6-Tribromophenol

Concen: 78.538 ng

RT: 10.63 min Scan# 1452

Delta R.T. -0.01 min

Lab File: BF104338.D

Acq: 7 Apr 2018 5:53

Instrument :

BNA_F

ClientSampleId :

040218-SIDI-F-D-S

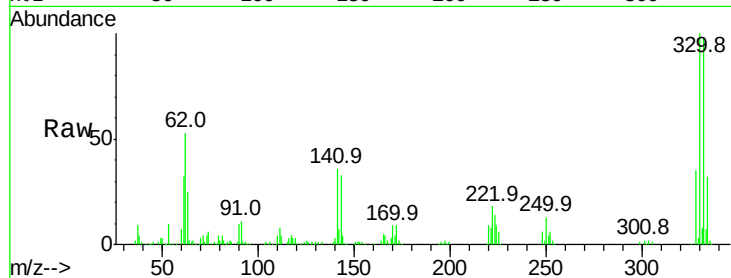
Tot Ion:330 Resp: 190002

Ion Ratio Lower Upper

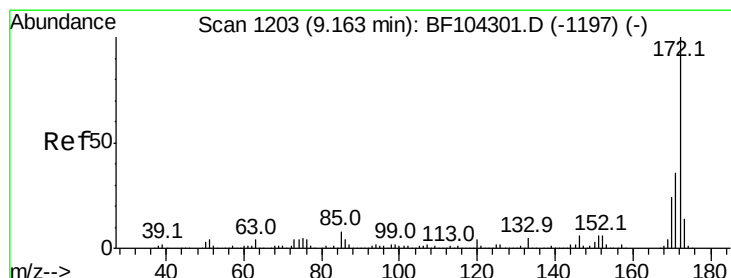
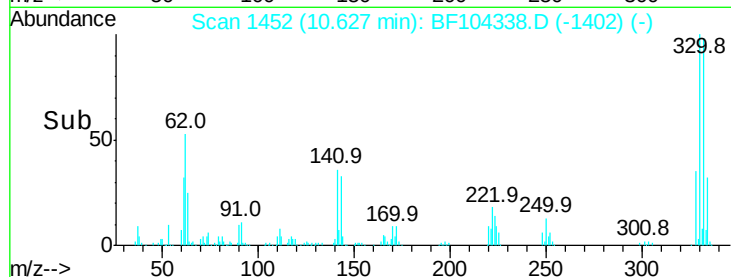
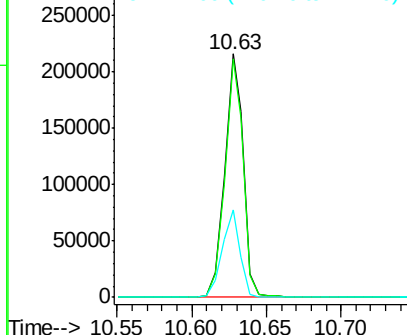
330 100

332 96.8 77.0 115.6

141 34.3 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: 91.643 ng

RT: 9.16 min Scan# 1203

Delta R.T. 0.00 min

Lab File: BF104338.D

Acq: 7 Apr 2018 5:53

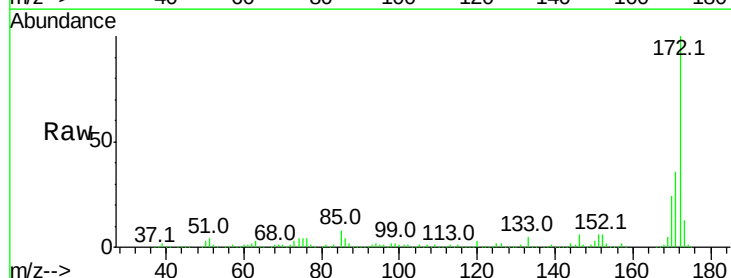
Tgt Ion:172 Resp: 1352922

Ion Ratio Lower Upper

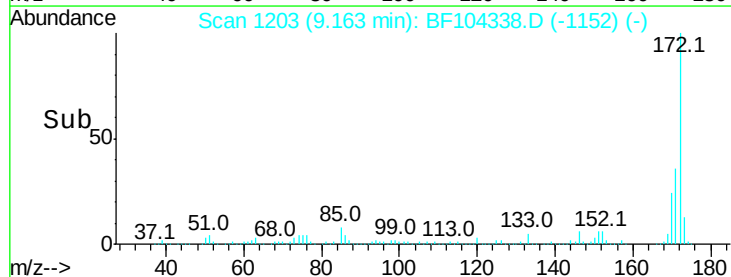
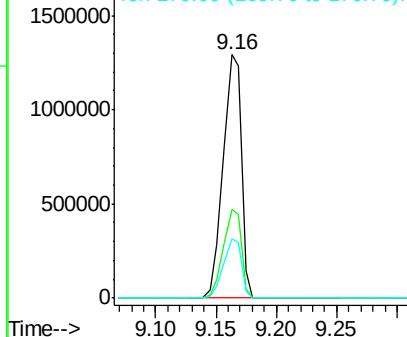
172 100

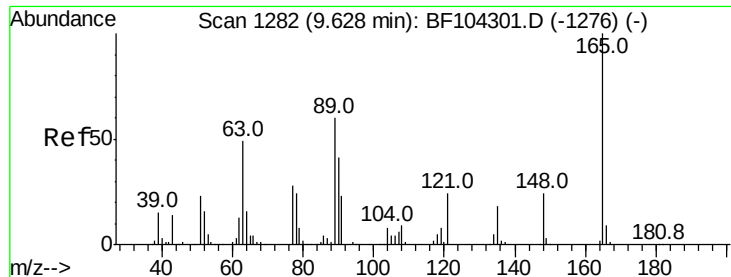
171 36.5 29.7 44.5

170 24.2 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

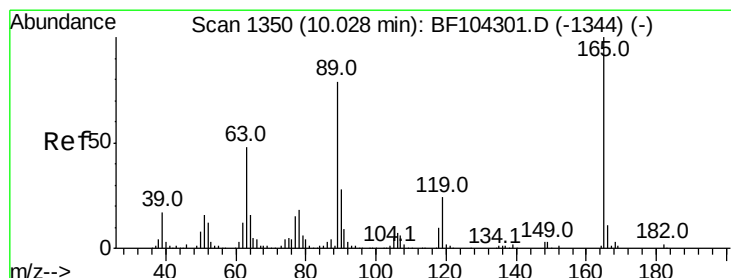
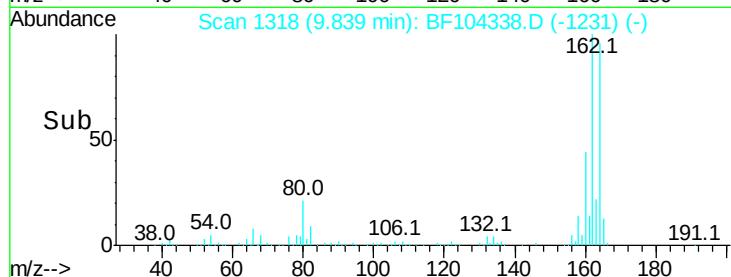
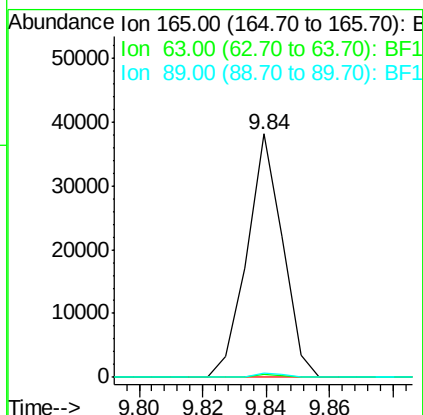
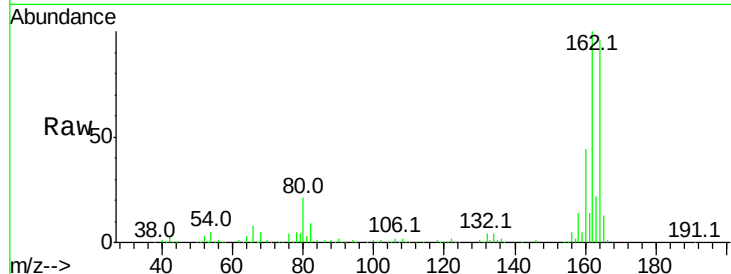




#50
 2,6-Dinitrotoluene
 Concen: 8.732 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.21 min
 Lab File: BF104338.D
 Acq: 7 Apr 2018 5:53

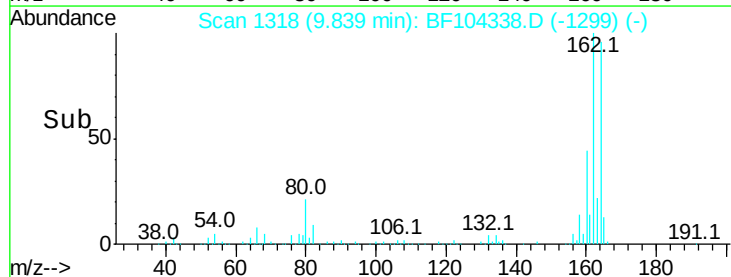
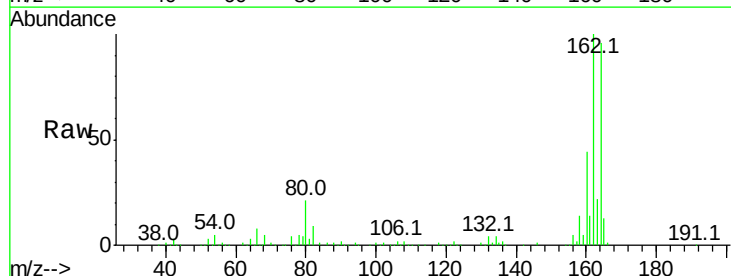
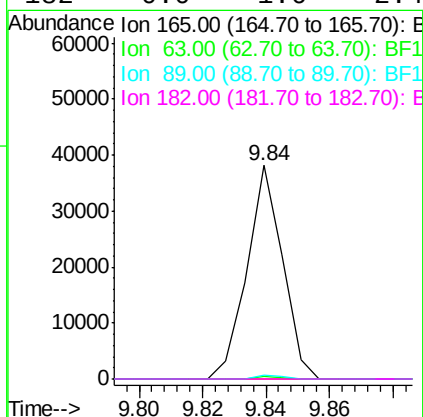
Instrument :
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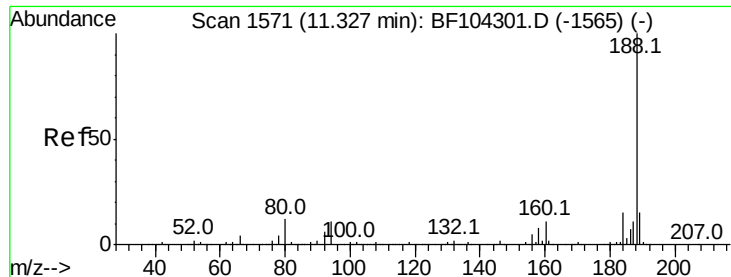
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	44.7	67.1#
89	1.7	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.657 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.19 min
 Lab File: BF104338.D
 Acq: 7 Apr 2018 5:53

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.7	57.8	86.6#
182	0.0	1.6	2.4#

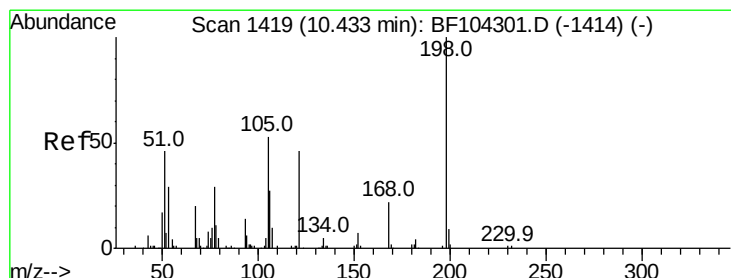
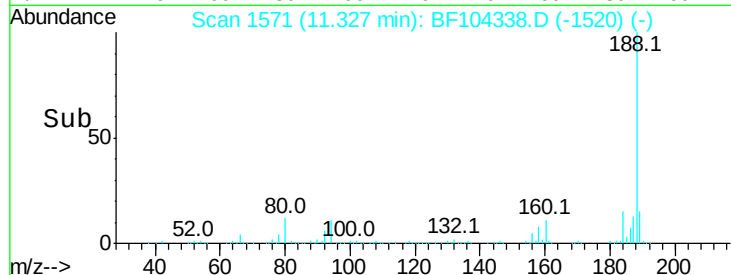
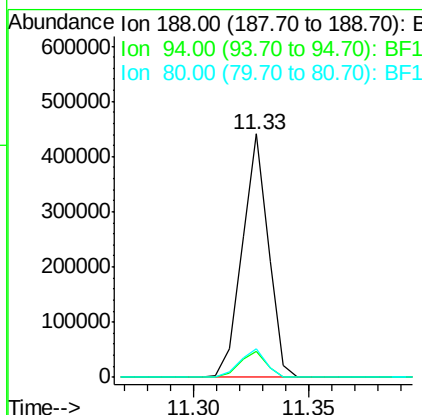
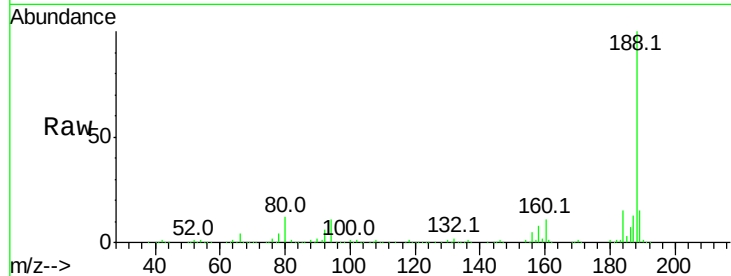




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.00 min
Lab File: BF104338.D
Acq: 7 Apr 2018 5:53

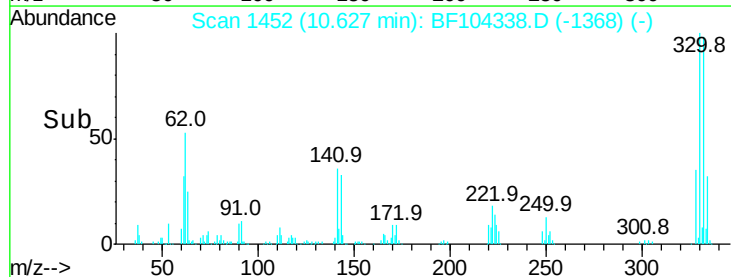
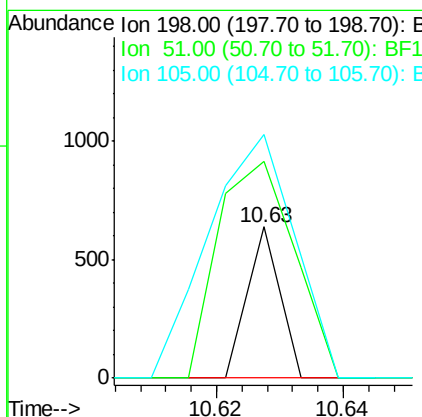
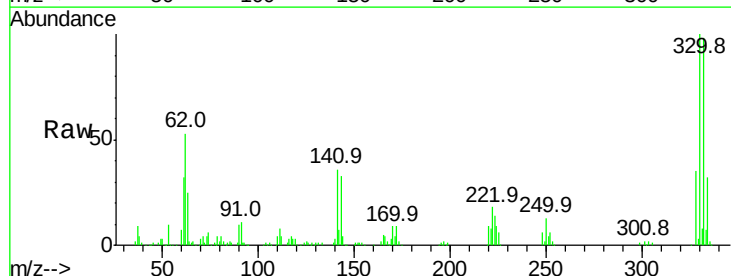
Instrument :
BNA_F
ClientSampleId :
040218-SIDI-F-D-S

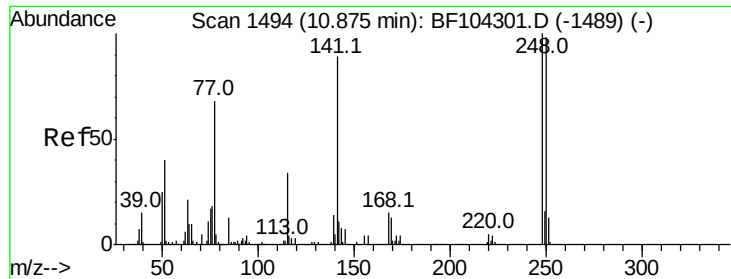
Tot Ion:188 Resp: 347326
Ion Ratio Lower Upper
188 100
94 10.6 8.5 12.7
80 11.8 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 7.460 ng
RT: 10.63 min Scan# 1452
Delta R.T. 0.19 min
Lab File: BF104338.D
Acq: 7 Apr 2018 5:53

Tgt Ion:198 Resp: 226
Ion Ratio Lower Upper
198 100
51 143.5 37.7 77.7#
105 160.9 36.3 76.3#

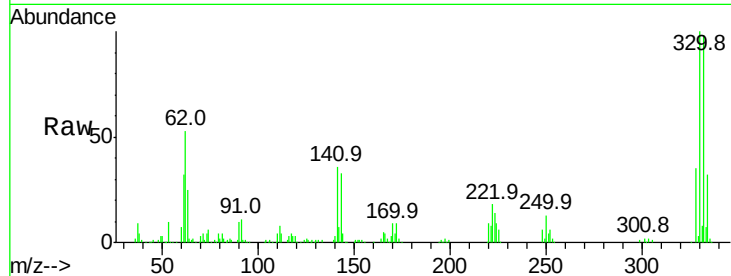




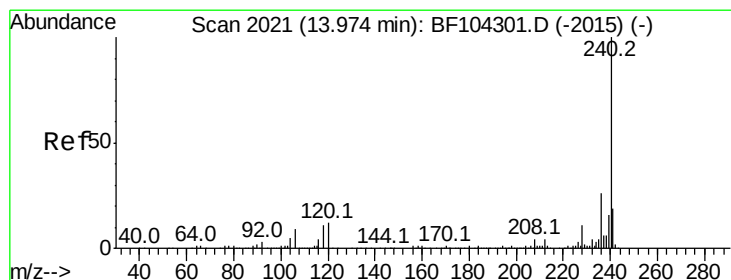
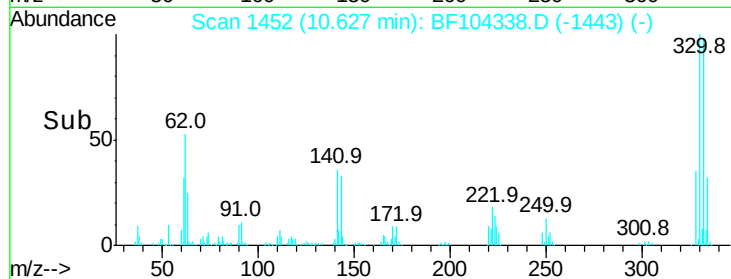
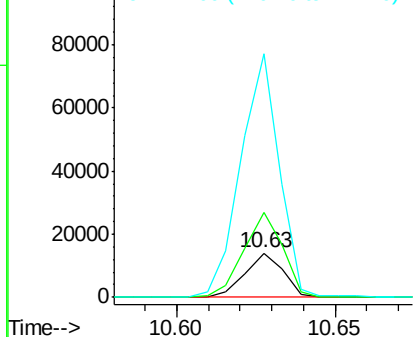
#66
4-Bromophenyl-phenylether
Concen: 3.136 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.25 min
Lab File: BF104338.D
Acq: 7 Apr 2018 5:53

Instrument :
BNA_F
ClientSampleId :
040218-SIDI-F-D-S

Tot Ion:248 Resp: 11584
Ion Ratio Lower Upper
248 100
250 193.5 76.9 115.3#
141 553.0 74.4 111.6#

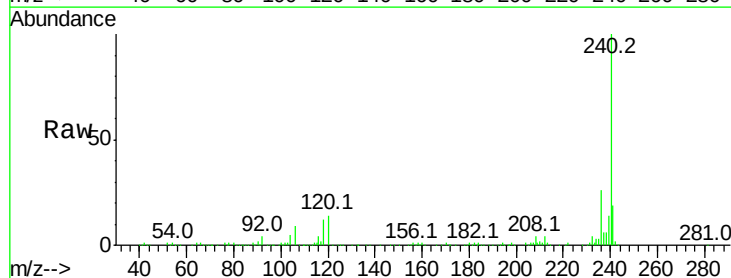


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

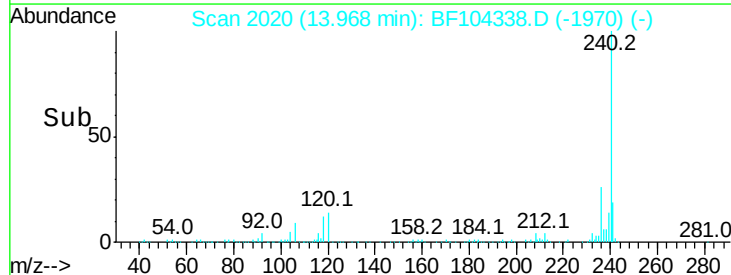
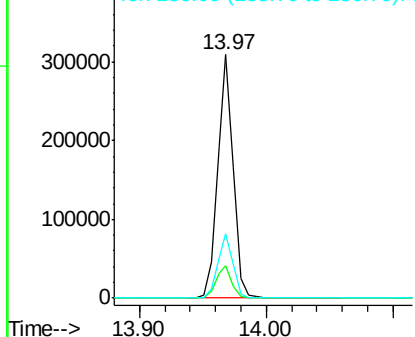


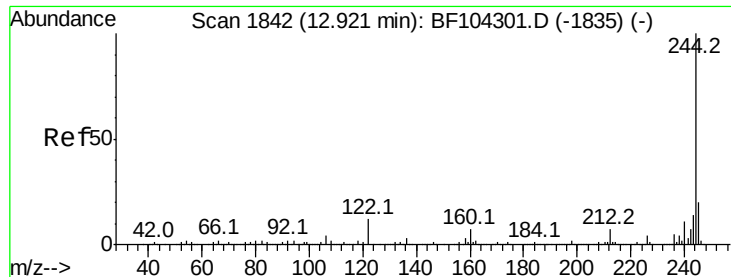
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF104338.D
Acq: 7 Apr 2018 5:53

Tgt Ion:240 Resp: 265283
Ion Ratio Lower Upper
240 100
120 13.5 9.5 14.3
236 26.4 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: 86.160 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.00 min

Lab File: BF104338.D

Acq: 7 Apr 2018 5:53

Instrument :

BNA_F

ClientSampleId :

040218-SIDI-F-D-S

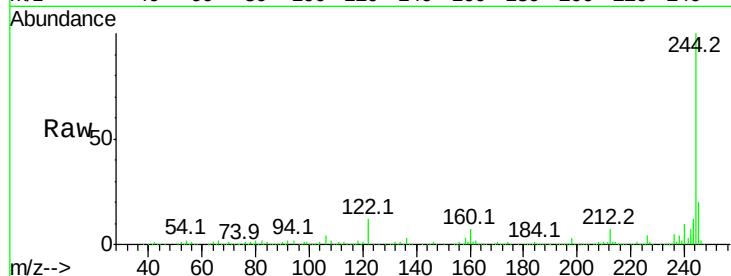
Tot Ion:244 Resp: 1002568

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

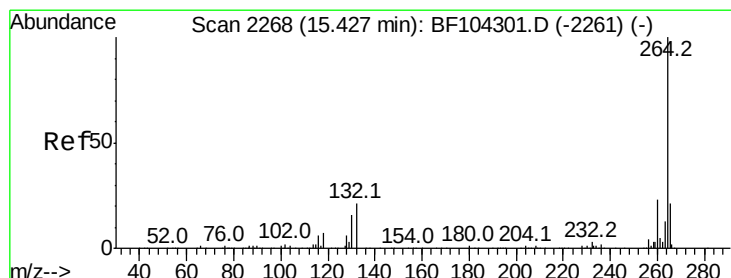
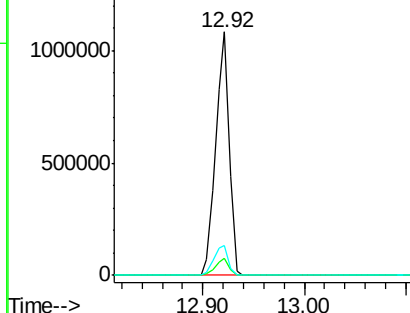
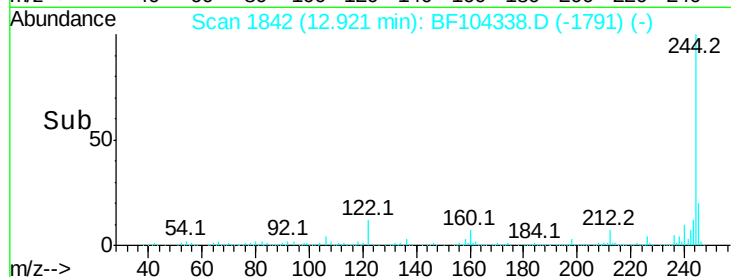
122 12.5 11.0 16.4



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

Perylene-d12

Concen: 20.000 ng

RT: 15.43 min Scan# 2268

Delta R.T. -0.00 min

Lab File: BF104338.D

Acq: 7 Apr 2018 5:53

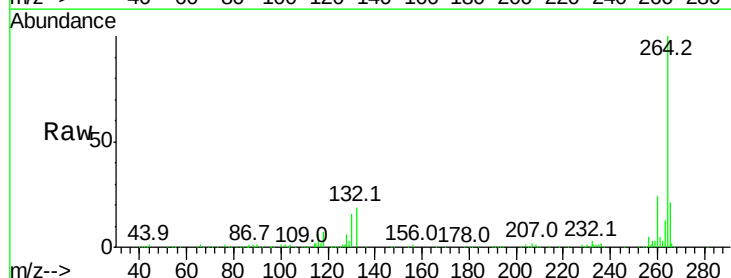
Tgt Ion:264 Resp: 242938

Ion Ratio Lower Upper

264 100

260 23.5 19.2 28.8

265 21.4 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

