

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040918\
 Data File : BF104389.D
 Acq On : 9 Apr 2018 23:40
 Operator : JU/SJ
 Sample : J2278-03
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 10 01:20:11 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

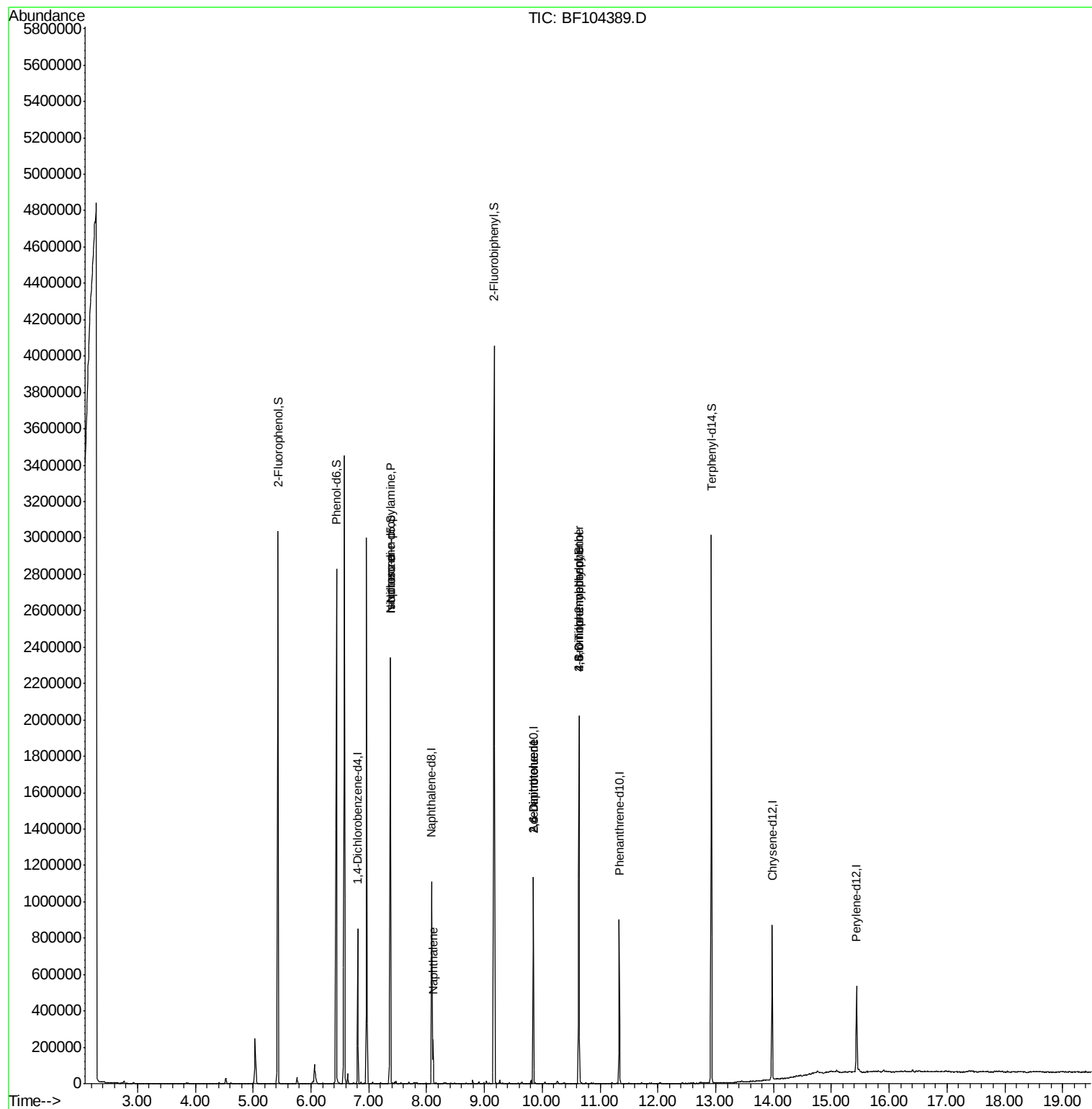
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	128495	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	491961	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	198855	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	296490	20.00	ng	0.00
75) Chrysene-d12	13.97	240	267897	20.00	ng	0.00
86) Perylene-d12	15.44	264	197838	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	995192	118.43	ng	0.02
7) Phenol-d6	6.44	99	1077218	104.33	ng	0.01
23) Nitrobenzene-d5	7.37	82	806574	107.06	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	257495	124.83	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1316696	104.60	ng	0.00
78) Terphenyl-d14	12.93	244	1054901	89.77	ng	0.00
Target Compounds						
9) Benzaldehyde	6.44	77	1490	Below Cal	Qvalue	# 1
19) n-Nitroso-di-n-propylamine	7.37	70	105648	15.658 ng	#	72
25) Isophorone	7.37	82	806567	50.626 ng	#	64
31) Naphthalene	8.11	128	91775	3.746 ng	#	97
50) 2,6-Dinitrotoluene	9.85	165	25283	8.713 ng	#	26
56) 2,4-Dinitrotoluene	9.85	165	25283	6.643 ng	#	23
64) 4,6-Dinitro-2-methylphenol	10.63	198	572	7.683 ng	#	1
66) 4-Bromophenyl-phenylether	10.63	248	15381	4.877 ng	#	1
76) Benzidine	12.93	184	13835	Below Cal	#	96

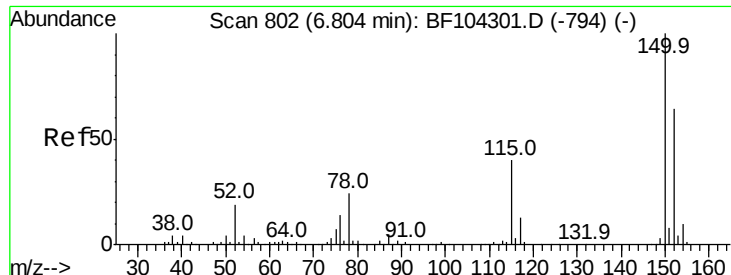
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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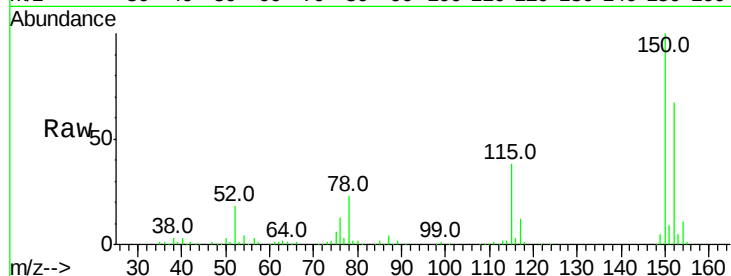


#1

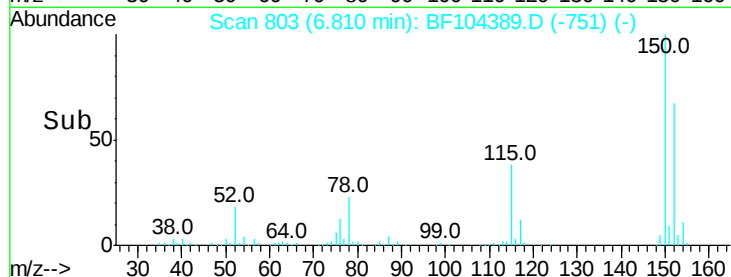
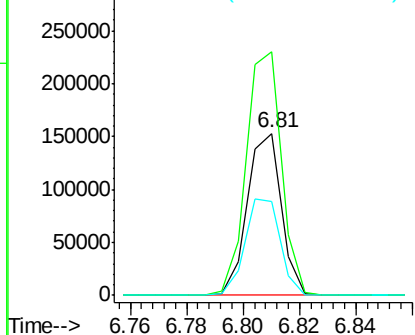
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF104389.D
Acq: 9 Apr 2018 23:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 128495
Ion Ratio Lower Upper
152 100
150 150.1 124.6 186.8
115 57.6 50.1 75.1



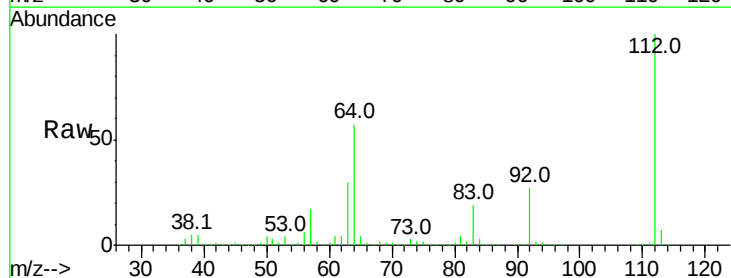
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



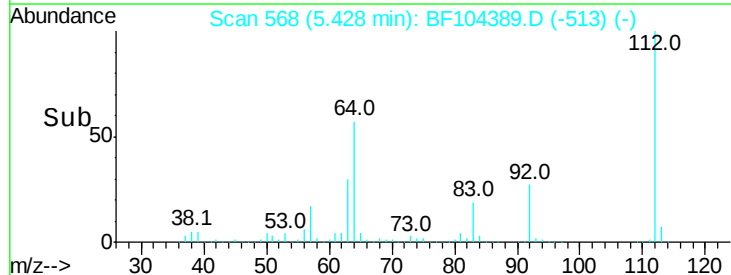
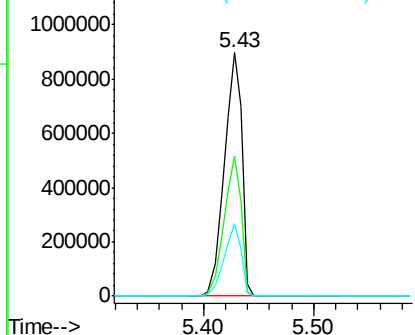
#5

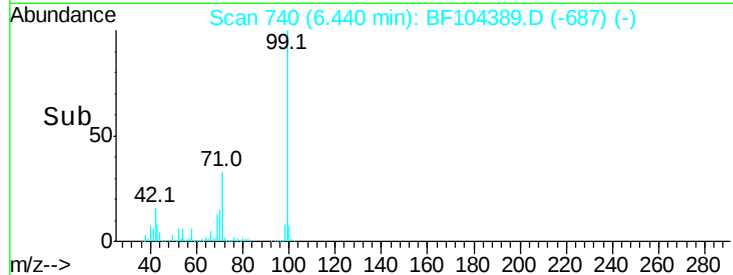
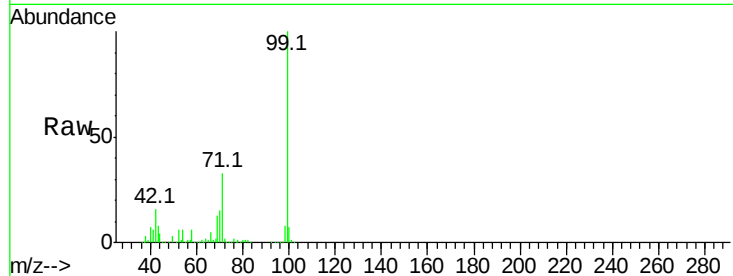
2-Fluorophenol
Concen: 118.425 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.02 min
Lab File: BF104389.D
Acq: 9 Apr 2018 23:40

Tgt Ion:112 Resp: 995192
Ion Ratio Lower Upper
112 100
64 57.2 47.9 71.9
63 29.5 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: 104.329 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF104389.D

Acq: 9 Apr 2018 23:40

Instrument :

BNA_F

ClientSampled :

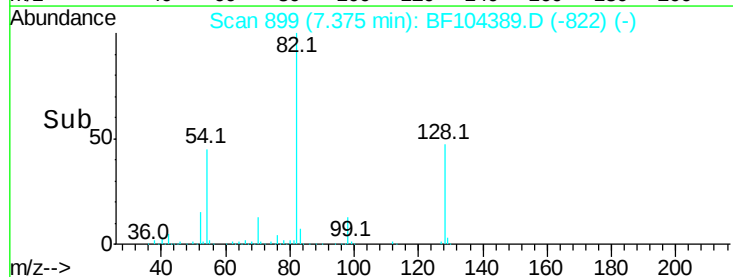
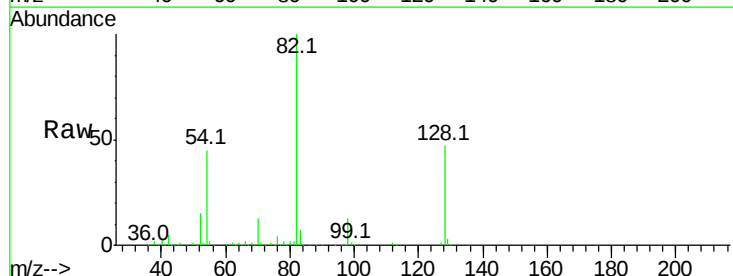
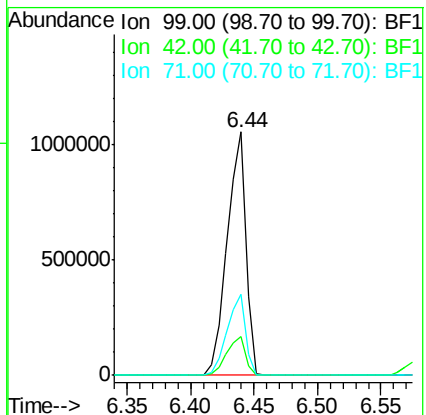
Tot Ion: 99 Resp: 1077218

Ion Ratio Lower Upper

99 100

42 16.1 14.5 21.7

71 33.5 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.658 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104389.D

Acq: 9 Apr 2018 23:40

Tgt Ion: 70 Resp: 105648

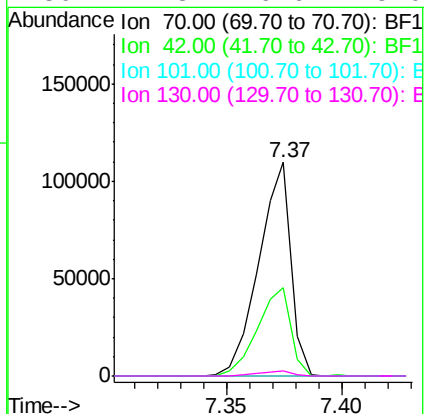
Ion Ratio Lower Upper

70 100

42 41.2 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

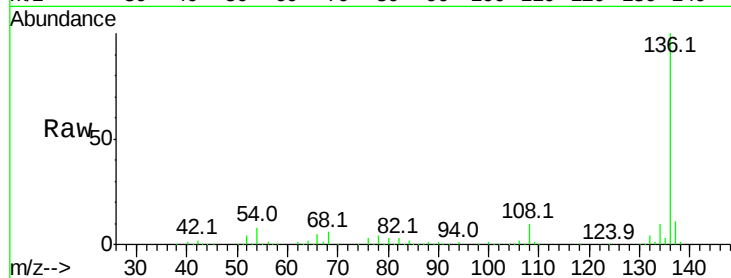




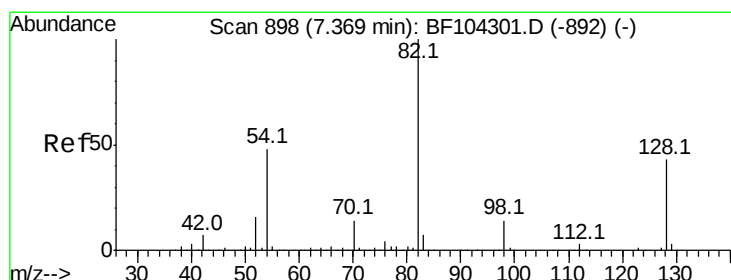
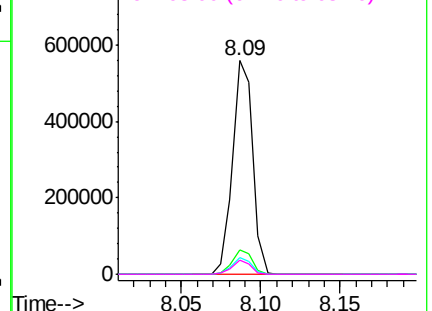
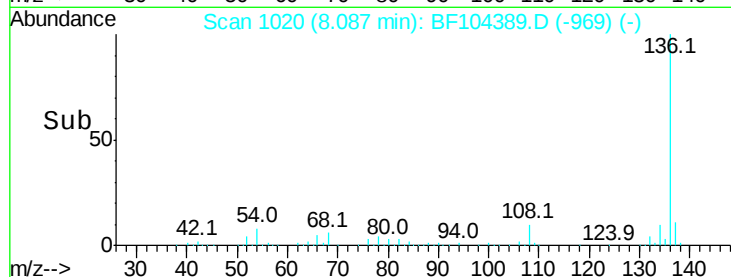
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BF104389.D
Acq: 9 Apr 2018 23:40

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	491961
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	7.6	6.6	9.8
68	6.3	5.0	7.4

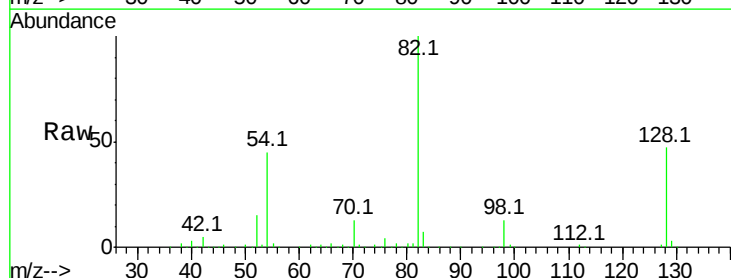


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

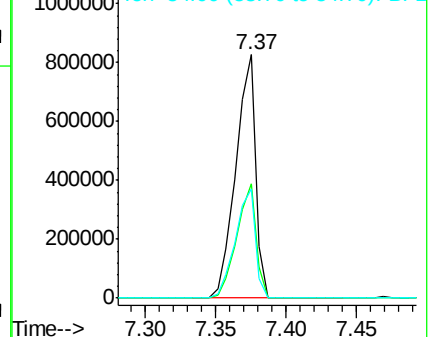
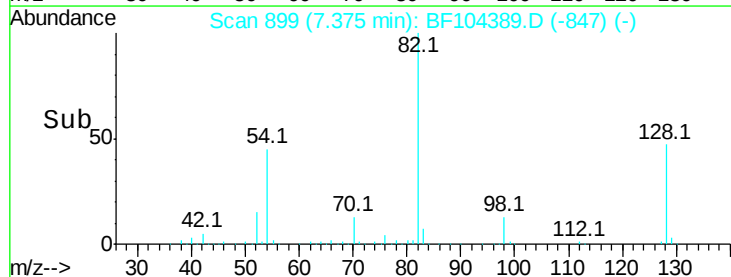


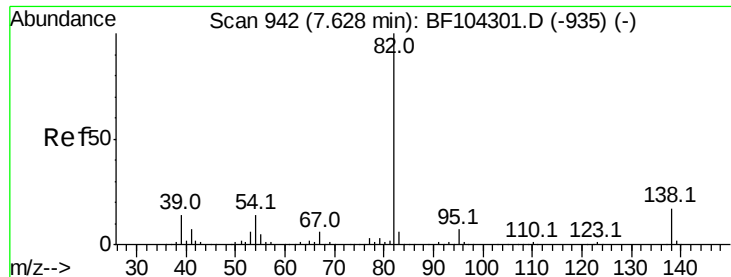
#23
Nitrobenzene-d5
Concen: 107.057 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.01 min
Lab File: BF104389.D
Acq: 9 Apr 2018 23:40

Tgt Ion:	82	Resp:	806574
Ion	Ratio	Lower	Upper
82	100		
128	47.1	36.1	54.1
54	44.8	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: 50.626 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.25 min

Lab File: BF104389.D

Acq: 9 Apr 2018 23:40

Instrument :

BNA_F

ClientSampleId :

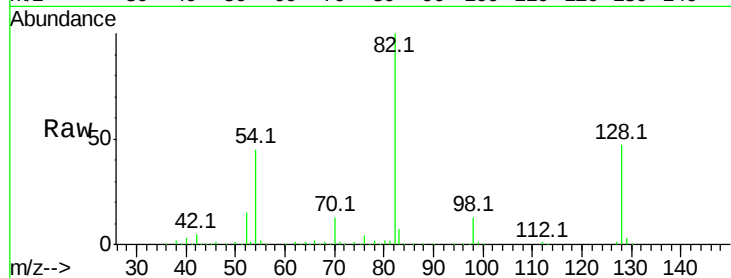
Tot Ion: 82 Resp: 806567

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

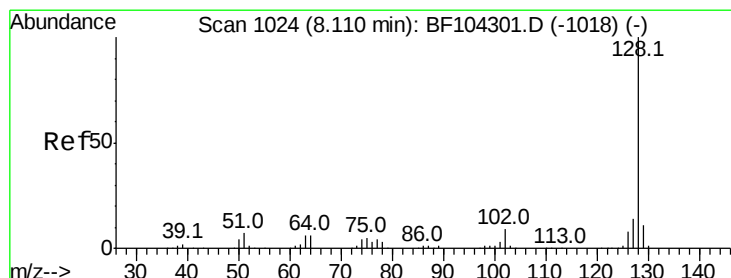
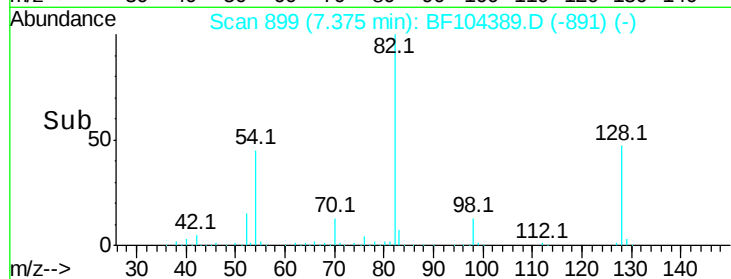
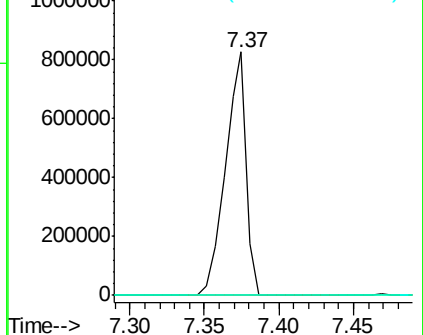
138 0.0 14.9 22.3#



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



#31

Naphthalene

Concen: 3.746 ng

RT: 8.11 min Scan# 1024

Delta R.T. 0.00 min

Lab File: BF104389.D

Acq: 9 Apr 2018 23:40

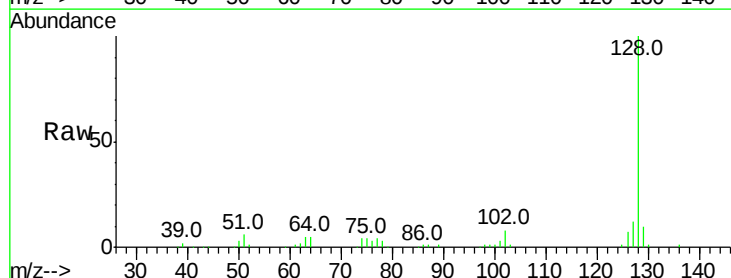
Tgt Ion:128 Resp: 91775

Ion Ratio Lower Upper

128 100

129 10.0 8.8 13.2

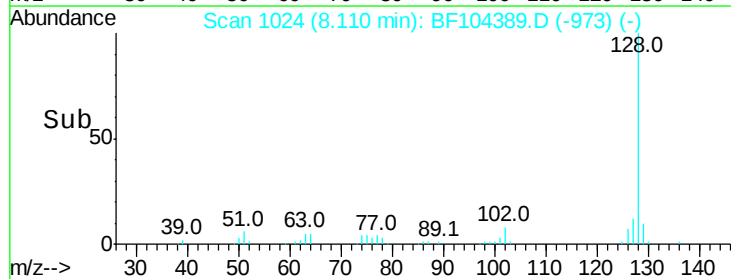
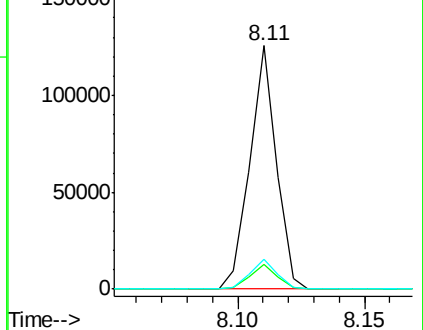
127 12.5 10.9 16.3

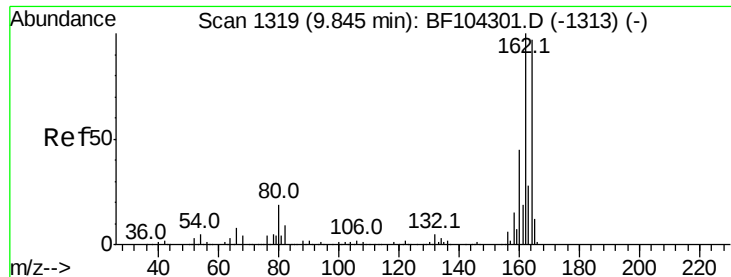


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

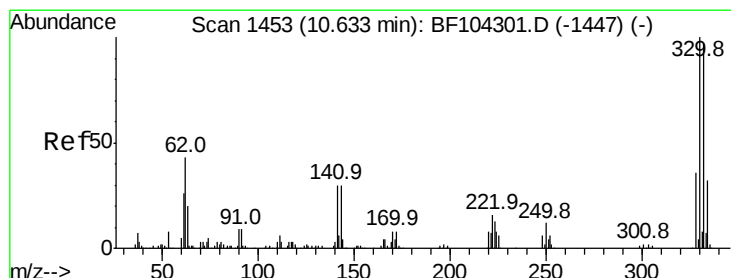
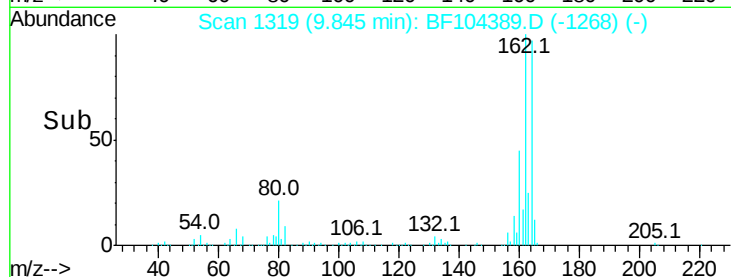
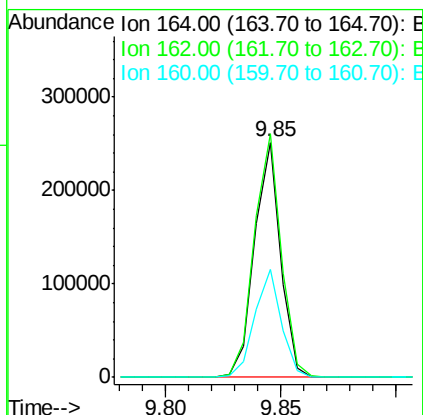
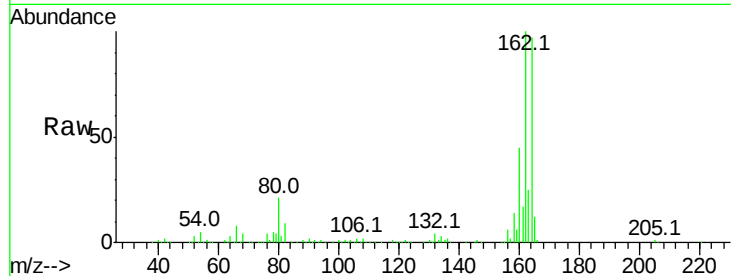




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.00 min
Lab File: BF104389.D
Acq: 9 Apr 2018 23:40

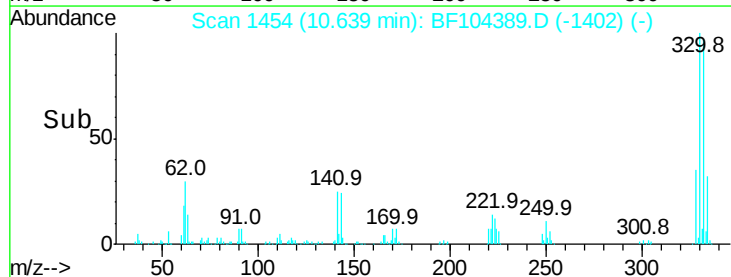
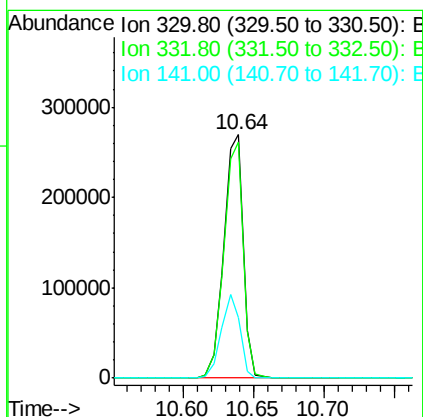
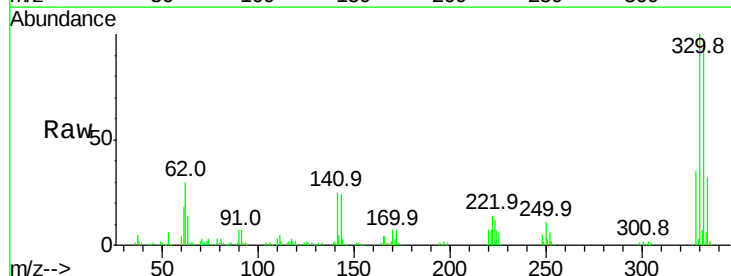
Instrument :
BNA_F
ClientSampleId :

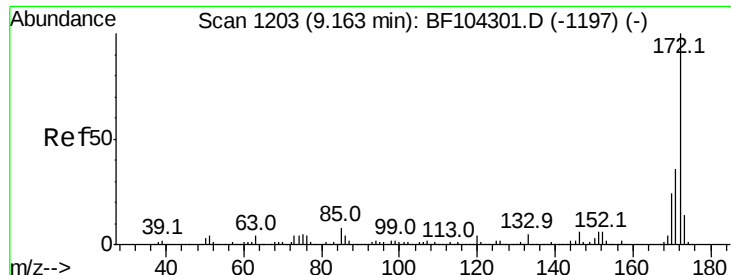
Tot Ion:164 Resp: 198855
Ion Ratio Lower Upper
164 100
162 103.5 86.1 129.1
160 46.2 38.3 57.5



#41
2,4,6-Tribromophenol
Concen: 124.829 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.01 min
Lab File: BF104389.D
Acq: 9 Apr 2018 23:40

Tgt Ion:330 Resp: 257495
Ion Ratio Lower Upper
330 100
332 96.8 77.0 115.6
141 33.2 29.9 44.9



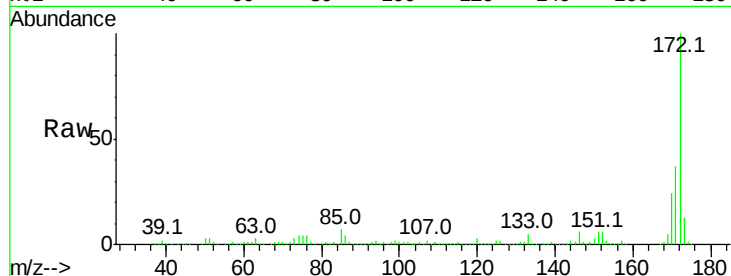


#44
 2-Fluorobiphenyl
 Concen: 104.601 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. 0.01 min
 Lab File: BF104389.D
 Acq: 9 Apr 2018 23:40

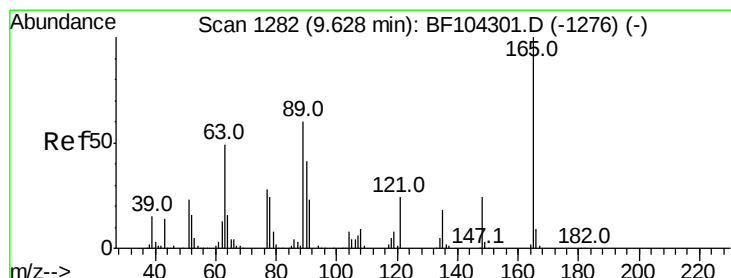
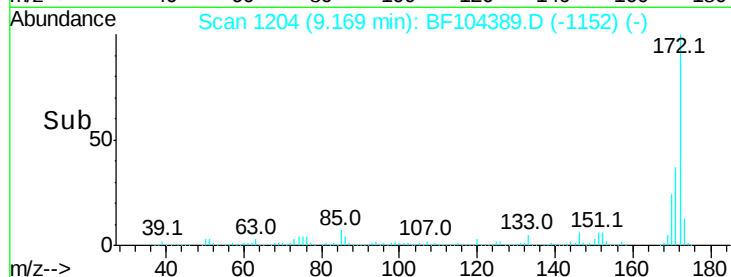
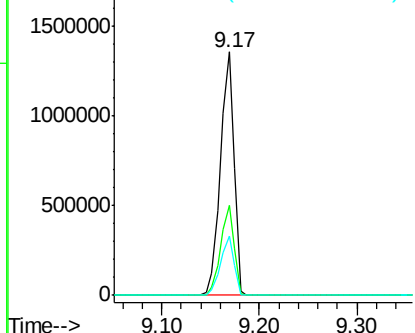
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:172 Resp: 1316696

Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.7	44.5
170	24.4	19.6	29.4



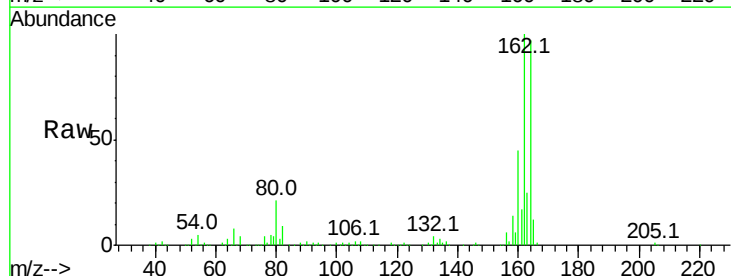
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



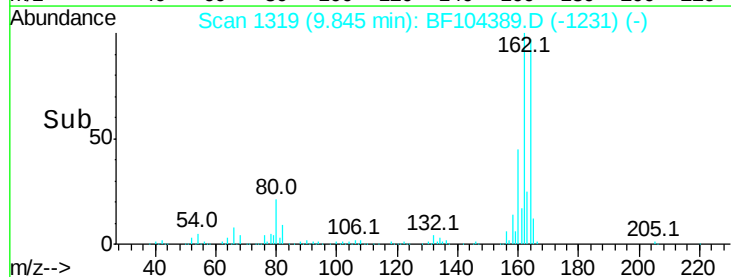
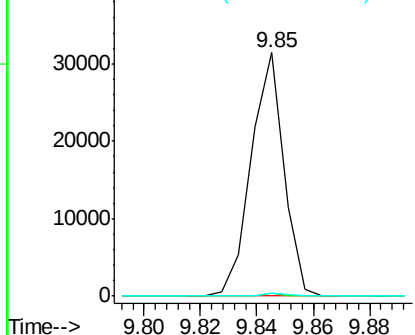
#50
 2,6-Dinitrotoluene
 Concen: 8.713 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.22 min
 Lab File: BF104389.D
 Acq: 9 Apr 2018 23:40

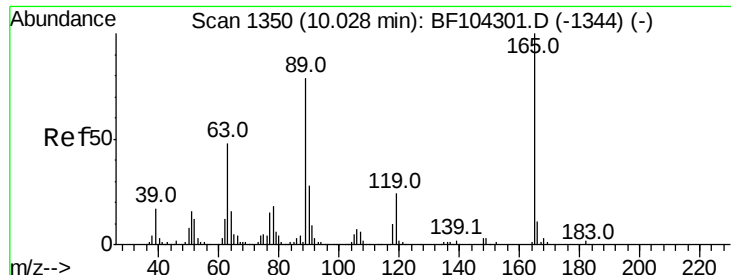
Tgt Ion:165 Resp: 25283

Ion	Ratio	Lower	Upper
165	100		
63	1.4	44.7	67.1#
89	1.4	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

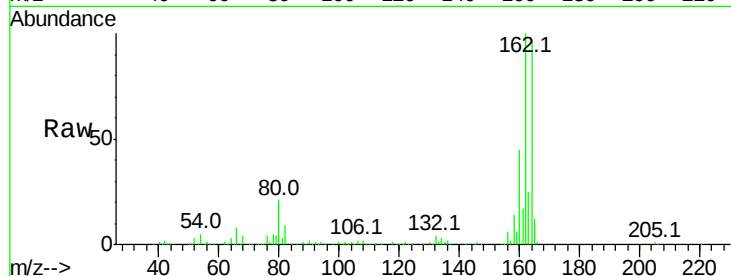




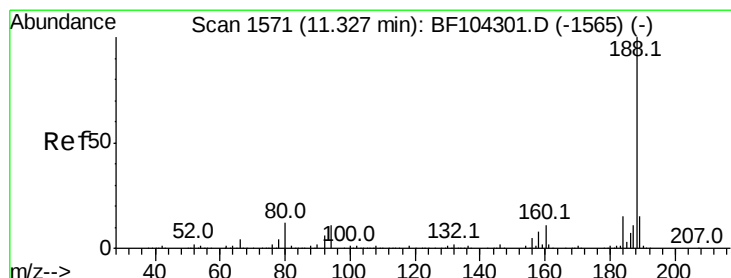
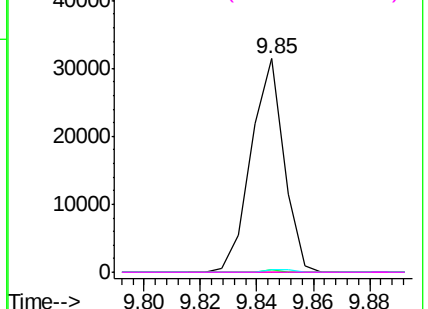
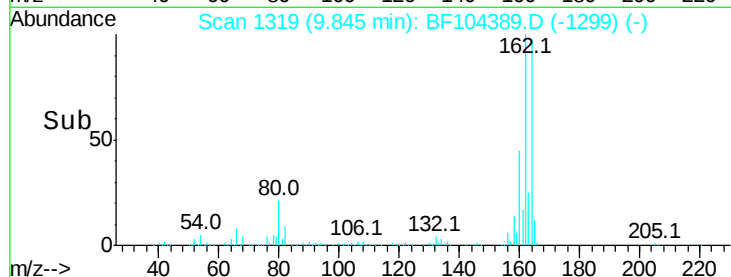
#56
 2,4-Dinitrotoluene
 Concen: 6.643 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.18 min
 Lab File: BF104389.D
 Acq: 9 Apr 2018 23:40

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:165 Resp: 25283
 Ion Ratio Lower Upper
 165 100
 63 1.4 36.4 54.6#
 89 1.4 57.8 86.6#
 182 0.0 1.6 2.4#

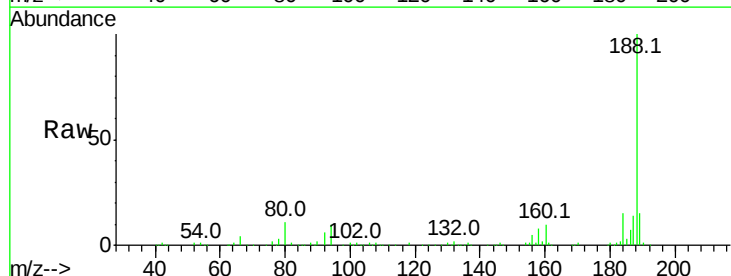


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

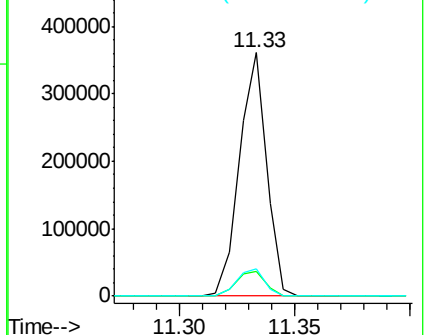
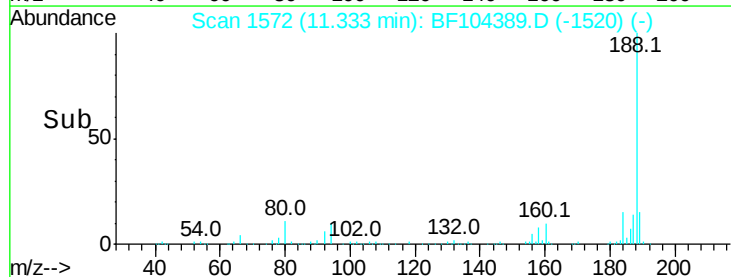


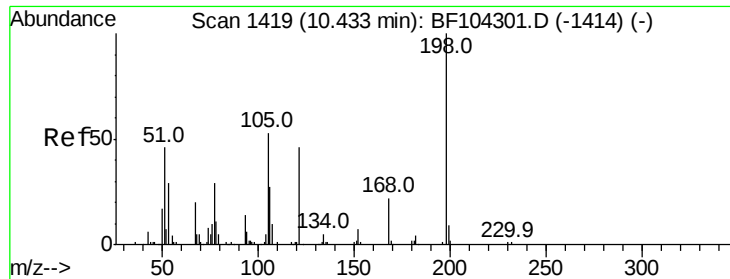
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.01 min
 Lab File: BF104389.D
 Acq: 9 Apr 2018 23:40

Tgt Ion:188 Resp: 296490
 Ion Ratio Lower Upper
 188 100
 94 10.3 8.5 12.7
 80 11.3 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: 7.683 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.20 min

Lab File: BF104389.D

Acq: 9 Apr 2018 23:40

Instrument :

BNA_F

ClientSampleId :

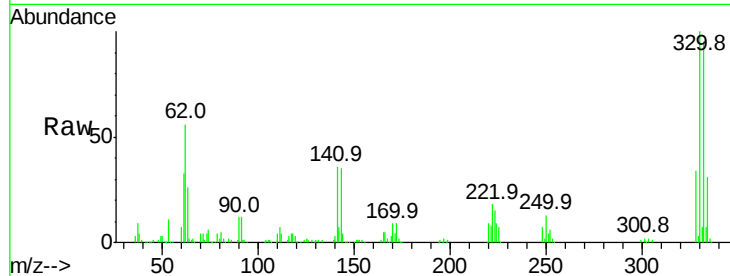
Tot Ion:198 Resp: 572

Ion Ratio Lower Upper

198 100

51 157.4 37.7 77.7#

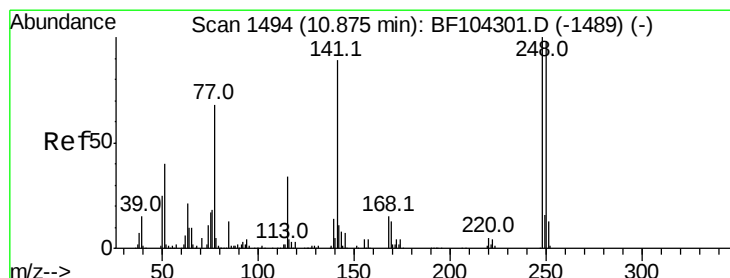
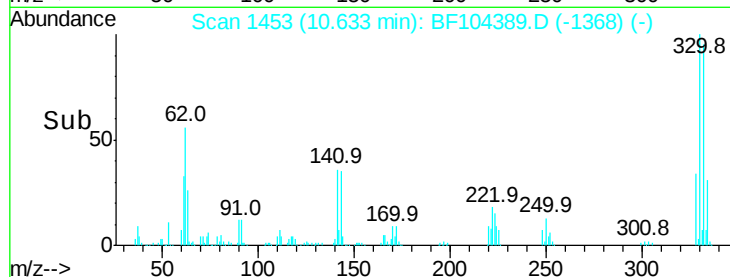
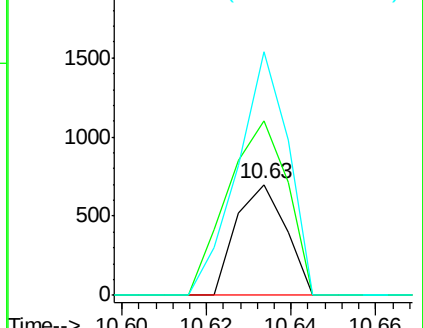
105 219.1 36.3 76.3#



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: 4.877 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.24 min

Lab File: BF104389.D

Acq: 9 Apr 2018 23:40

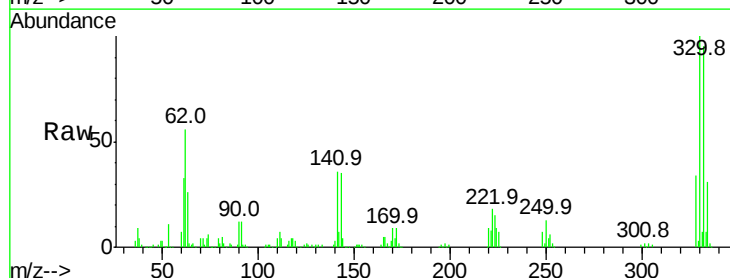
Tgt Ion:248 Resp: 15381

Ion Ratio Lower Upper

248 100

250 193.0 76.9 115.3#

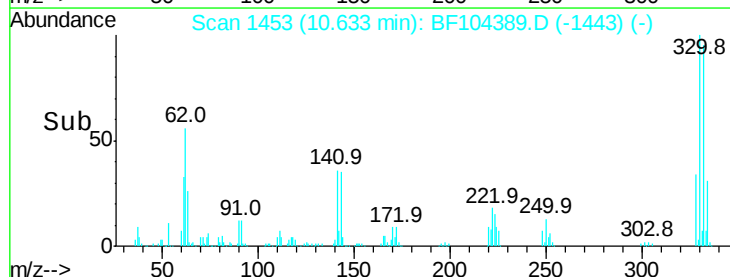
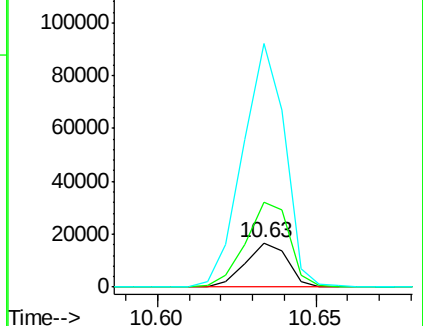
141 550.9 74.4 111.6#

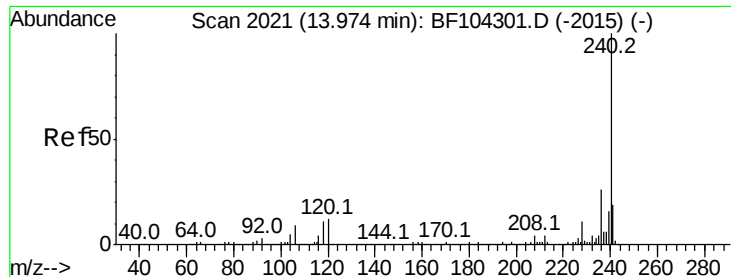


Abundance Ion 248.00 (247.70 to 248.70): E

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. 0.00 min

Lab File: BF104389.D

Acq: 9 Apr 2018 23:40

Instrument :

BNA_F

ClientSampleId :

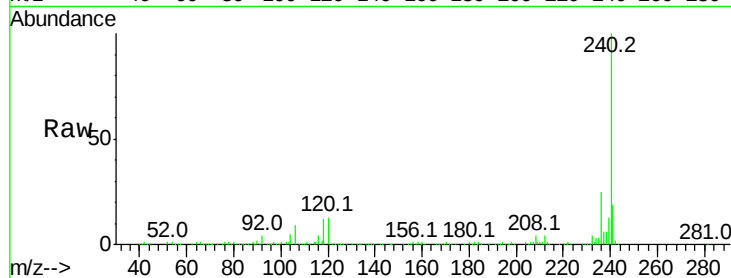
Tot Ion:240 Resp: 267897

Ion Ratio Lower Upper

240 100

120 13.3 9.5 14.3

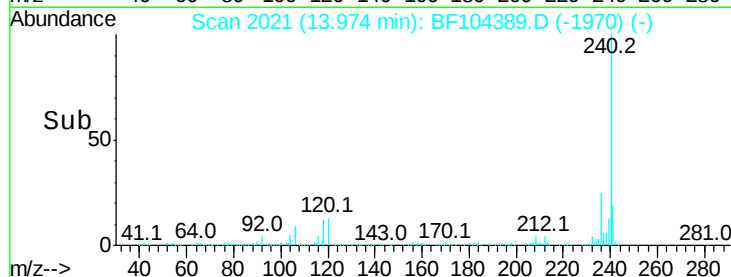
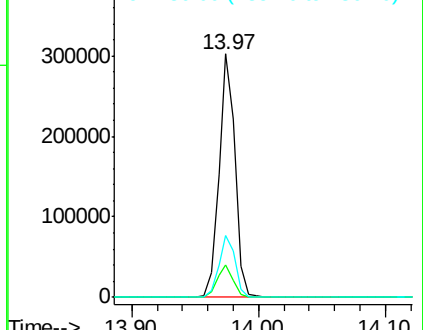
236 25.2 20.7 31.1



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: 89.773 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BF104389.D

Acq: 9 Apr 2018 23:40

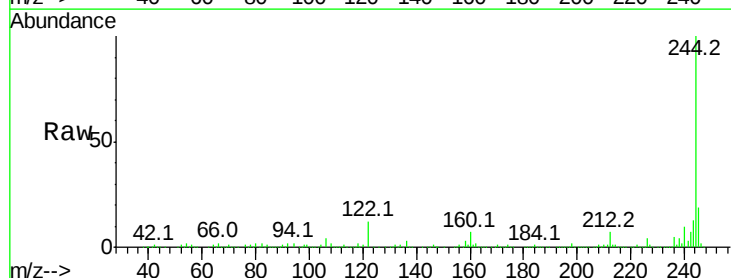
Tgt Ion:244 Resp: 1054901

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

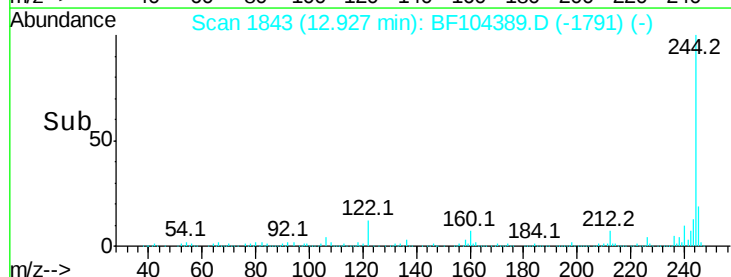
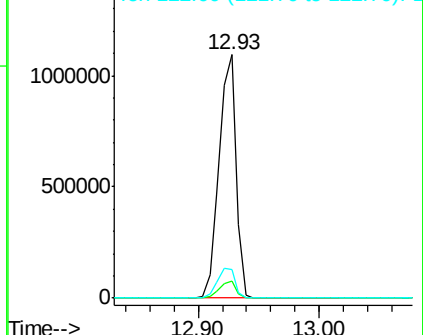
122 11.8 11.0 16.4

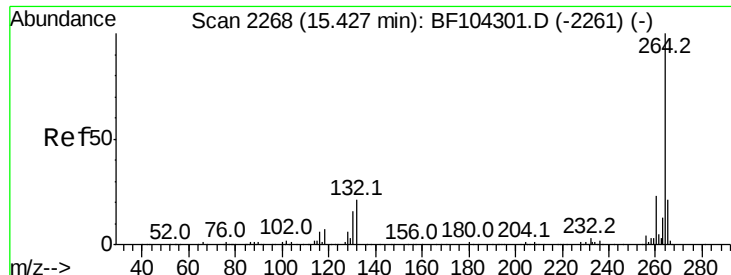


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

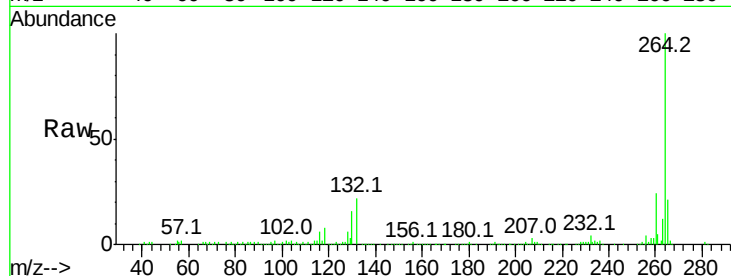




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2270
 Delta R.T. 0.01 min
 Lab File: BF104389.D
 Acq: 9 Apr 2018 23:40

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:264 Resp: 197838
 Ion Ratio Lower Upper
 264 100
 260 24.2 19.2 28.8
 265 21.5 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

