

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
 Data File : BF104738.D
 Acq On : 24 Apr 2018 6:05
 Operator : JU/SJ
 Sample : J2503-04
 Misc :
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 24 08:33:39 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 23 15:38:25 2018
 Response via : Initial Calibration

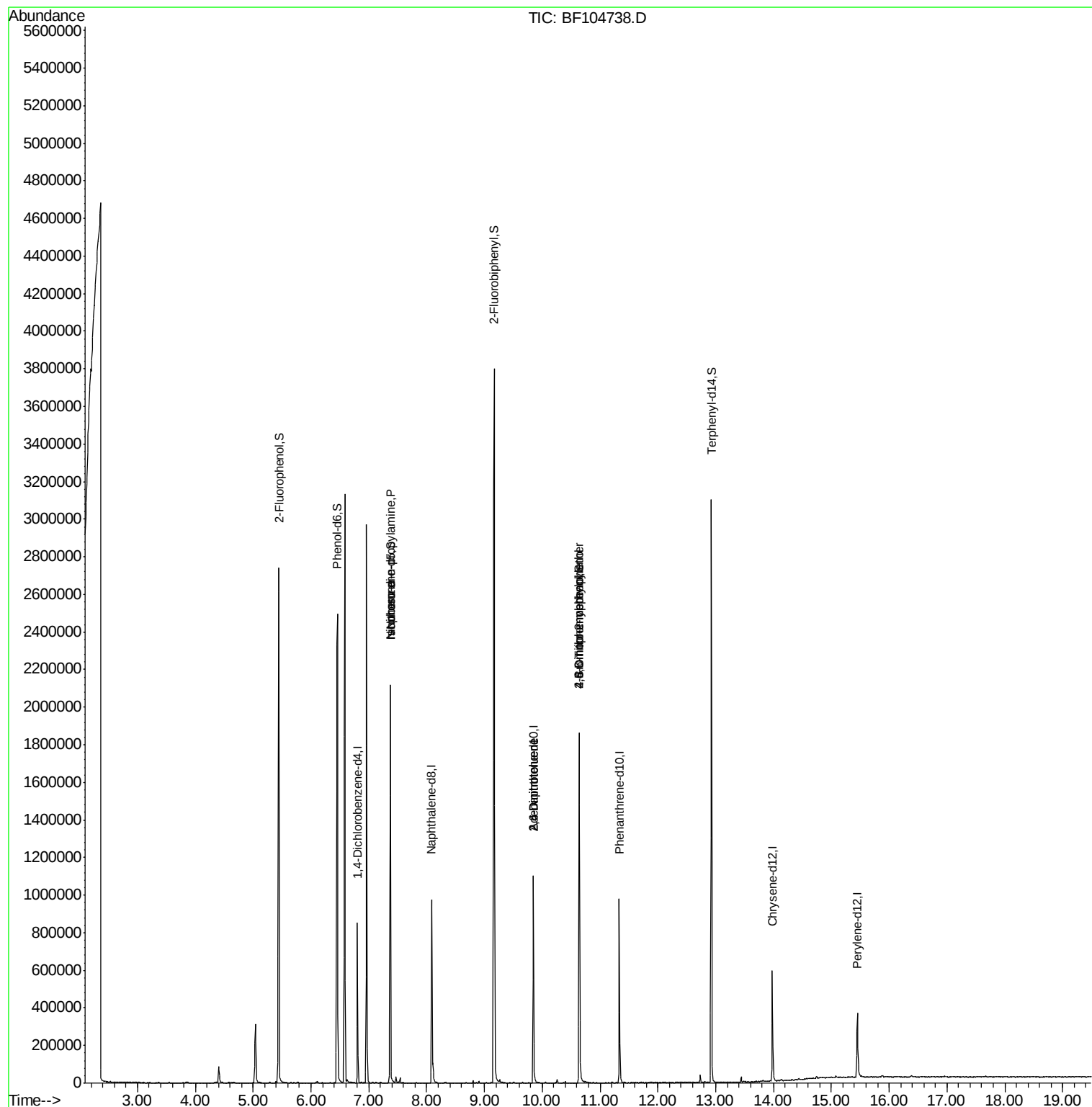
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	124723	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	516114	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	223727	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	359262	20.00	ng	0.00
75) Chrysene-d12	13.98	240	227360	20.00	ng	0.00
86) Perylene-d12	15.45	264	169437	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	917483	112.48	ng	0.03
7) Phenol-d6	6.46	99	1028462	102.62	ng	0.01
23) Nitrobenzene-d5	7.37	82	748683	94.72	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	265989	114.61	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1370233	96.75	ng	0.00
78) Terphenyl-d14	12.93	244	1106463	110.95	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	98187	14.993	ng	# 72
25) Isophorone	7.37	82	748672	44.793	ng	# 64
50) 2,6-Dinitrotoluene	9.85	165	28138	8.619	ng	# 25
56) 2,4-Dinitrotoluene	9.85	165	28138	6.571	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.64	198	509	7.593	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	15566	4.073	ng	# 1
76) Benzidine	12.93	184	13882	Below Cal		# 93

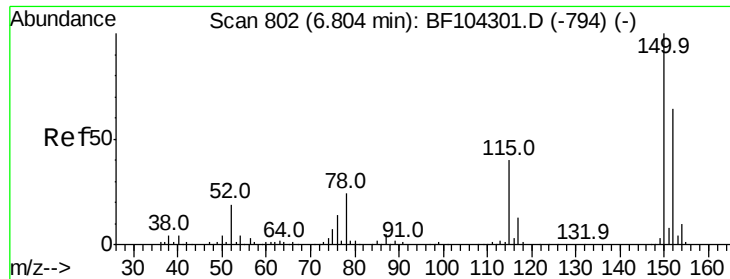
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
Data File : BF104738.D
Acq On : 24 Apr 2018 6:05
Operator : JU/SJ
Sample : J2503-04
Misc :
ALS Vial : 39 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: Apr 24 08:33:39 2018
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 23 15:38:25 2018
Response via : Initial Calibration



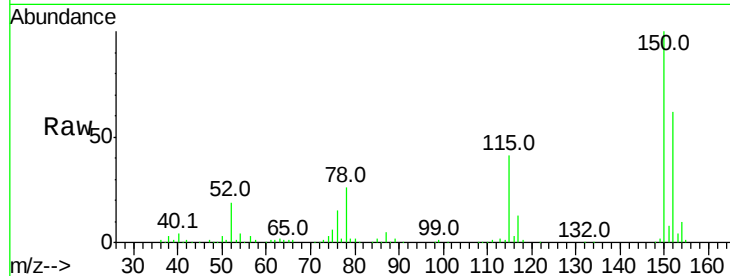


#1

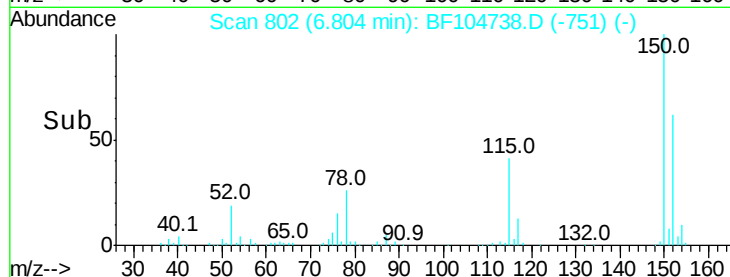
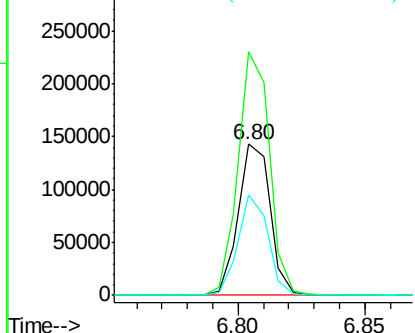
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104738.D
Acq: 24 Apr 2018 6:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 124723
Ion Ratio Lower Upper
152 100
150 161.2 124.6 186.8
115 66.3 50.1 75.1



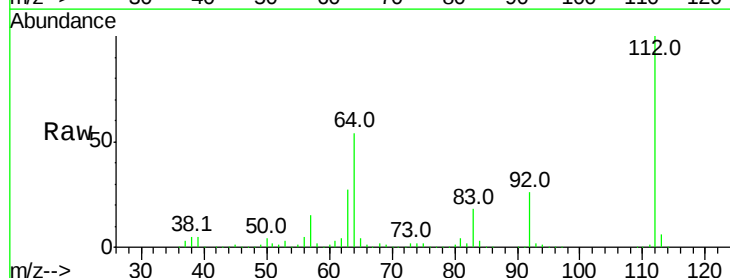
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



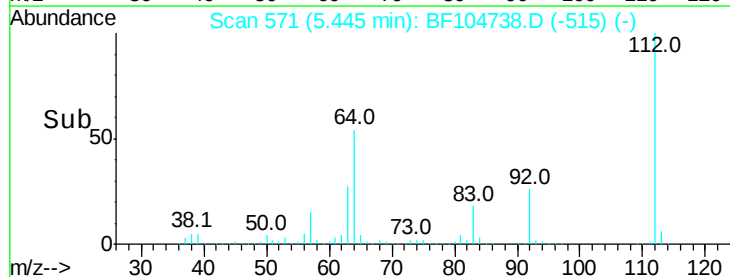
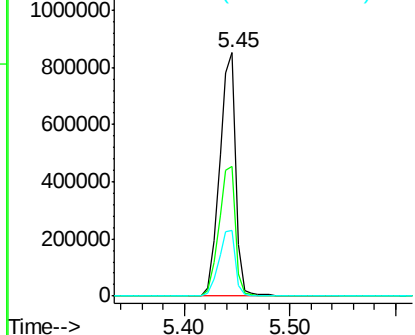
#5

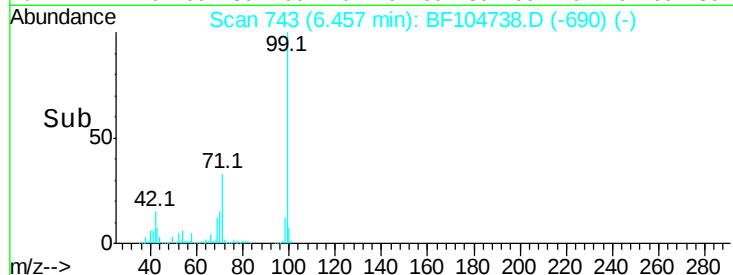
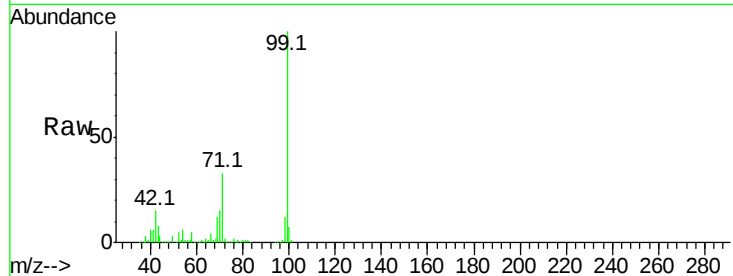
2-Fluorophenol
Concen: 112.480 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.03 min
Lab File: BF104738.D
Acq: 24 Apr 2018 6:05

Tgt Ion:112 Resp: 917483
Ion Ratio Lower Upper
112 100
64 53.5 47.9 71.9
63 27.2 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: 102.619 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.01 min

Lab File: BF104738.D

Acq: 24 Apr 2018 6:05

Instrument :

BNA_F

ClientSampleId :

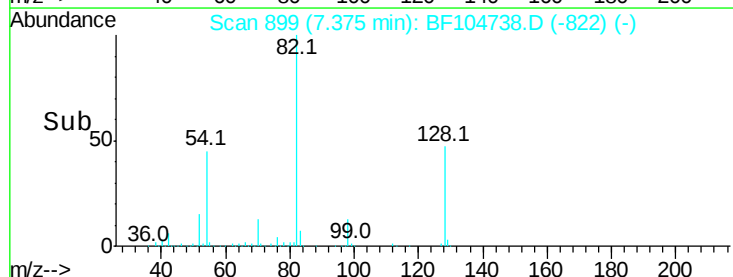
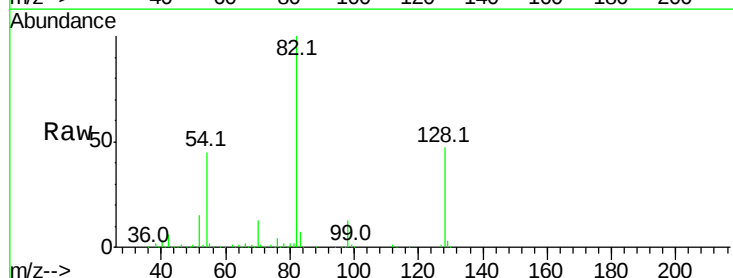
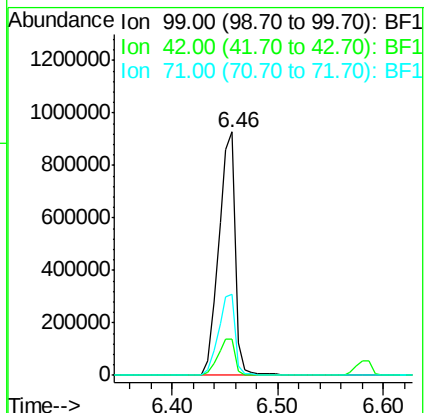
Tot Ion: 99 Resp: 1028462

Ion Ratio Lower Upper

99 100

42 15.1 14.5 21.7

71 33.2 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.993 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104738.D

Acq: 24 Apr 2018 6:05

Tgt Ion: 70 Resp: 98187

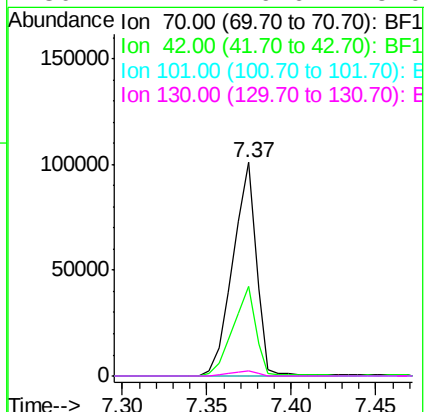
Ion Ratio Lower Upper

70 100

42 41.7 47.5 71.3#

101 0.0 7.4 11.2#

130 2.1 16.6 25.0#

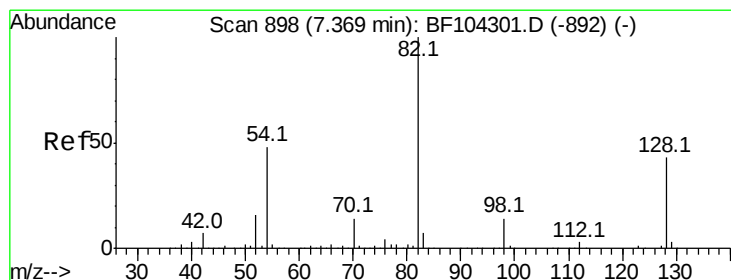
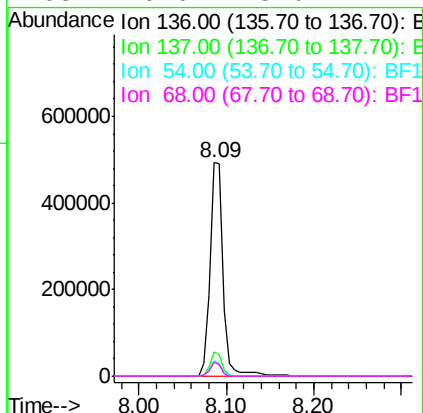
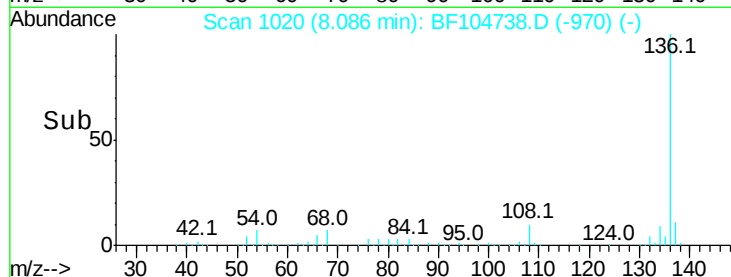
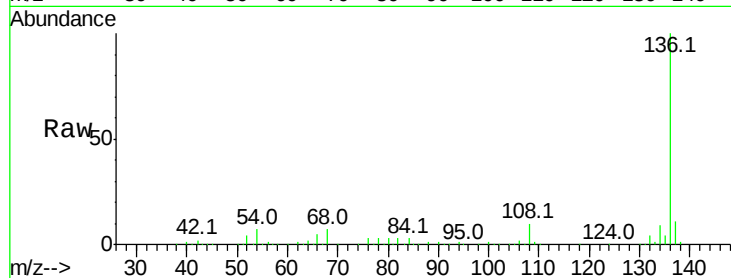




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF104738.D
Acq: 24 Apr 2018 6:05

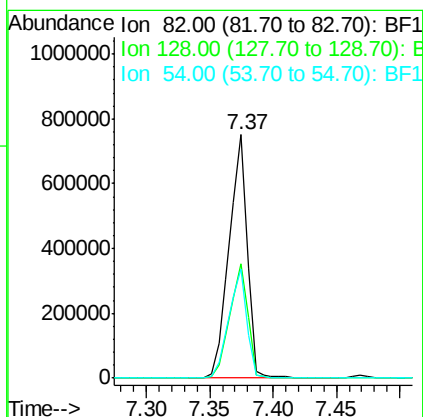
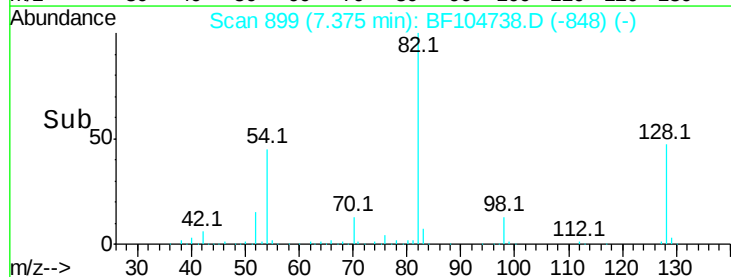
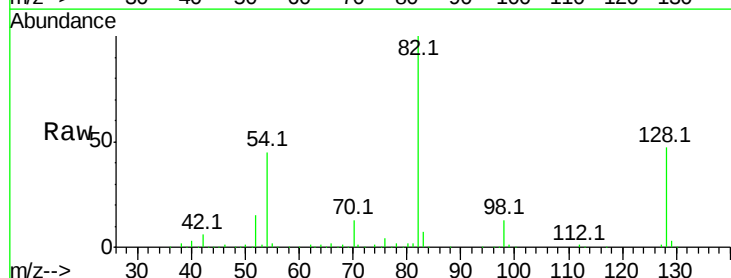
Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	516114
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	7.3	6.6	9.8
68	6.6	5.0	7.4



#23
Nitrobenzene-d5
Concen: 94.722 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.00 min
Lab File: BF104738.D
Acq: 24 Apr 2018 6:05

Tgt Ion:	82	Resp:	748683
Ion	Ratio	Lower	Upper
82	100		
128	47.1	36.1	54.1
54	45.0	41.4	62.2





#25

Isophorone

Concen: 44.793 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.25 min

Lab File: BF104738.D

Acq: 24 Apr 2018 6:05

Instrument :

BNA_F

ClientSampleId :

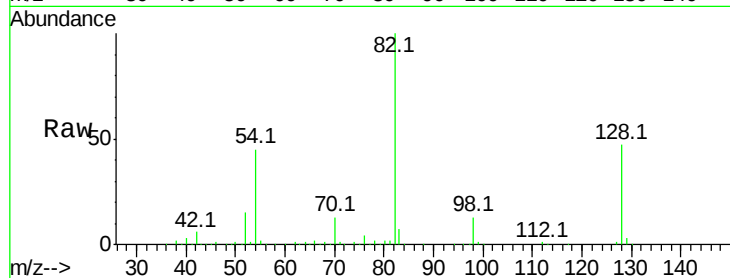
Tot Ion: 82 Resp: 748672

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

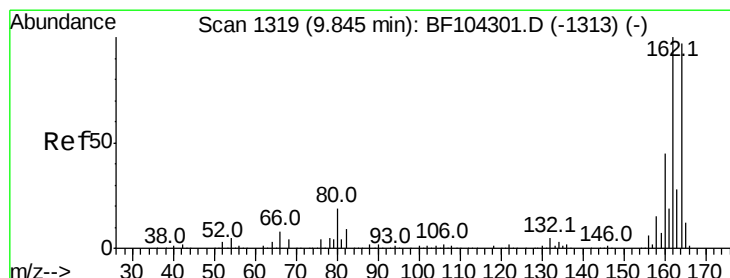
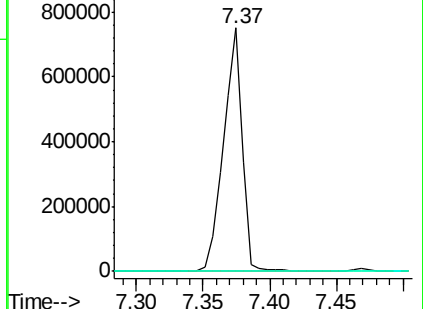
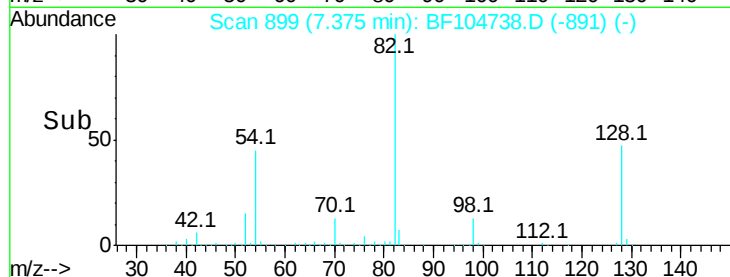
138 0.0 14.9 22.3#



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: 9.85 min Scan# 1319

Delta R.T. -0.00 min

Lab File: BF104738.D

Acq: 24 Apr 2018 6:05

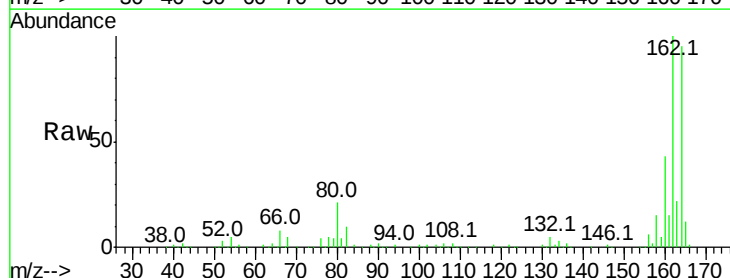
Tgt Ion:164 Resp: 223727

Ion Ratio Lower Upper

164 100

162 105.0 86.1 129.1

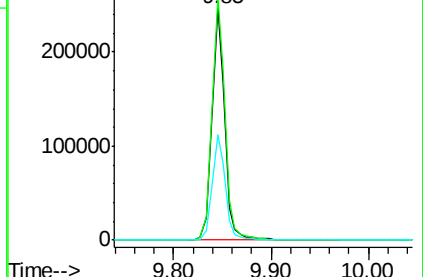
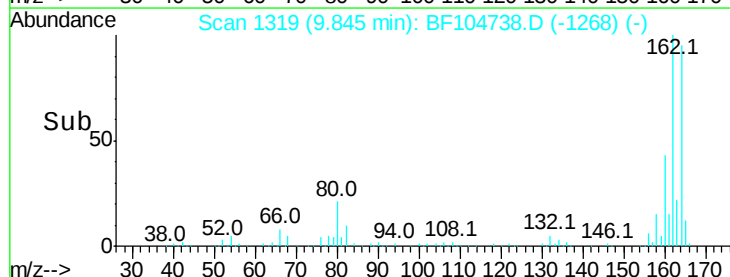
160 45.5 38.3 57.5



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

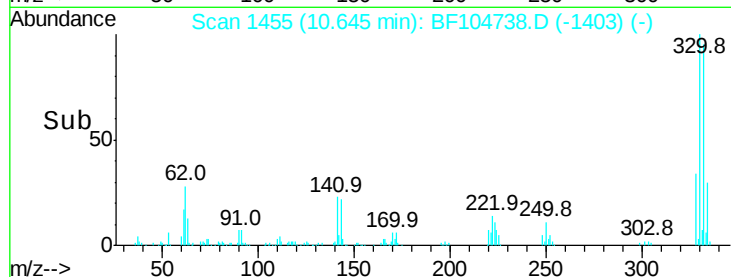
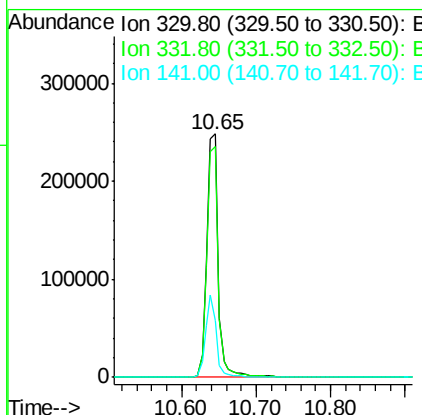
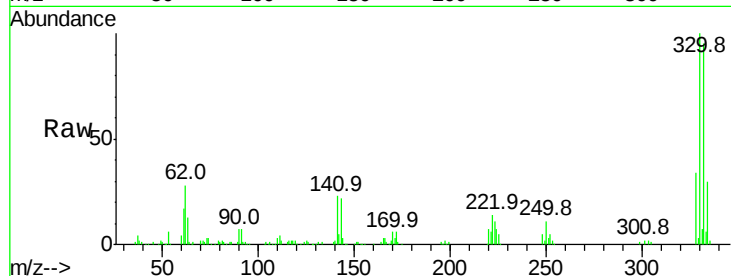




#41
 2,4,6-Tribromophenol
 Concen: 114.612 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.01 min
 Lab File: BF104738.D
 Acq: 24 Apr 2018 6:05

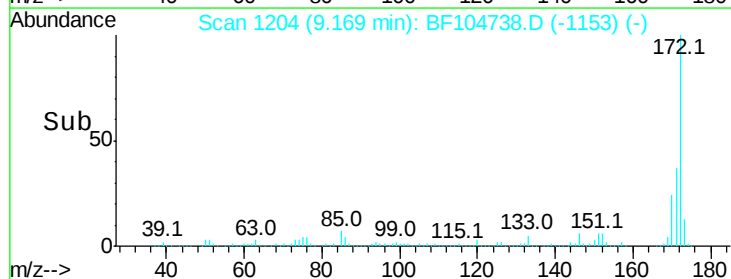
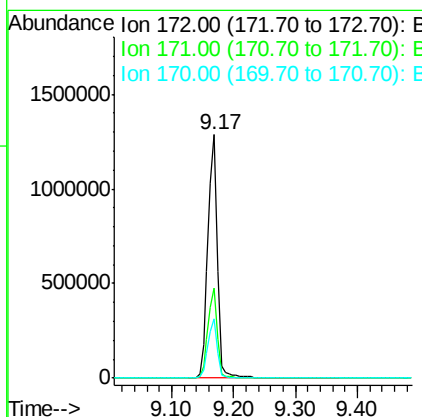
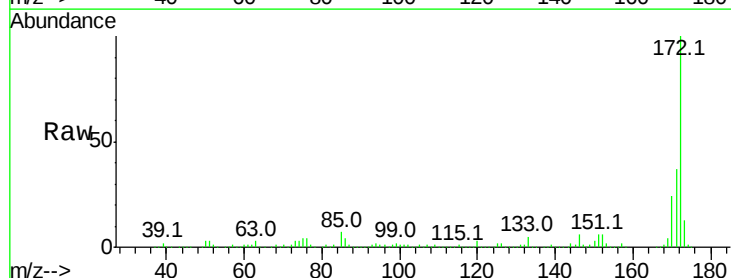
Instrument :
 BNA_F
 ClientSampleId :

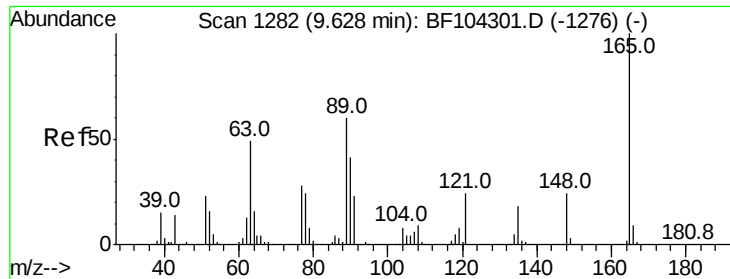
Tot Ion:330 Resp: 265989
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.0 115.6
 141 32.0 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 96.753 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF104738.D
 Acq: 24 Apr 2018 6:05

Tgt Ion:172 Resp: 1370233
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.7 44.5
 170 24.3 19.6 29.4

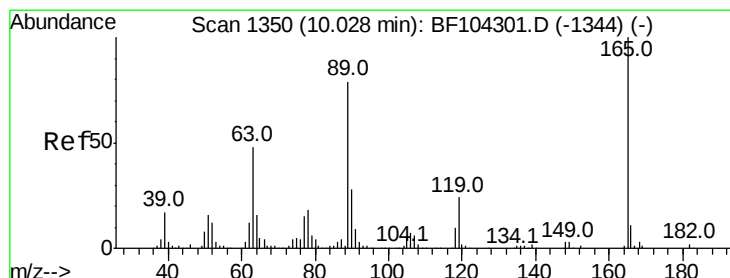
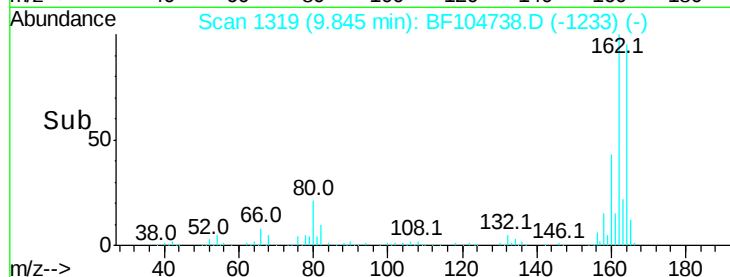
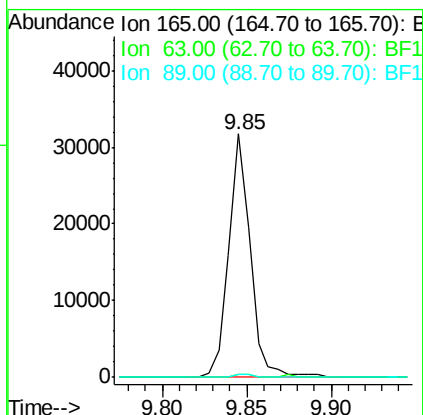
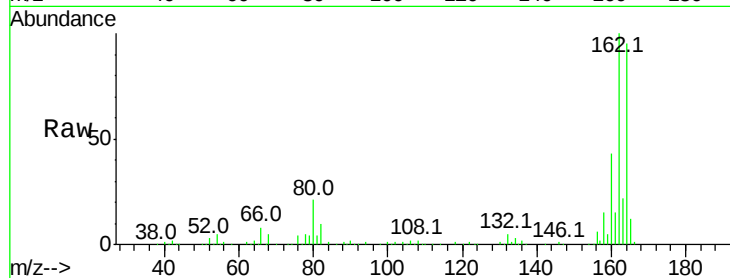




#50
 2,6-Dinitrotoluene
 Concen: 8.619 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.21 min
 Lab File: BF104738.D
 Acq: 24 Apr 2018 6:05

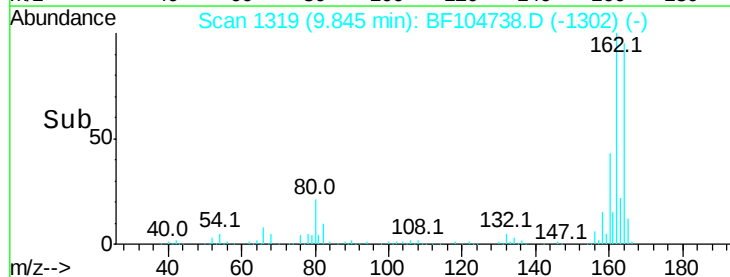
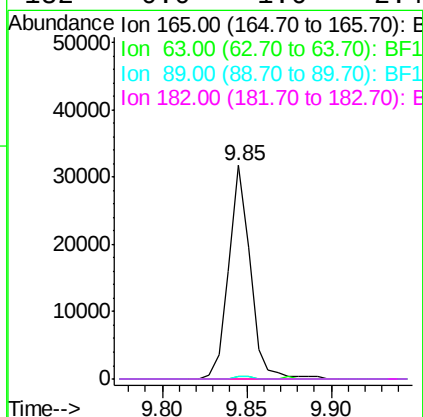
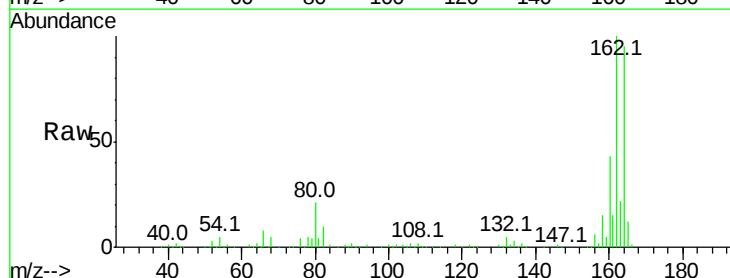
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	44.7	67.1#
89	1.2	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.571 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.20 min
 Lab File: BF104738.D
 Acq: 24 Apr 2018 6:05

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.5	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#

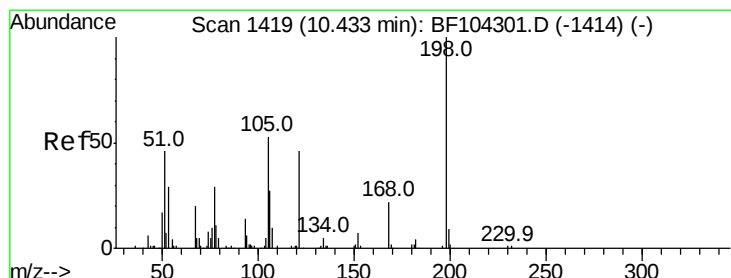
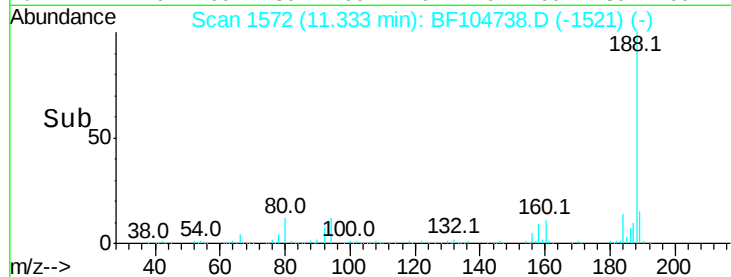
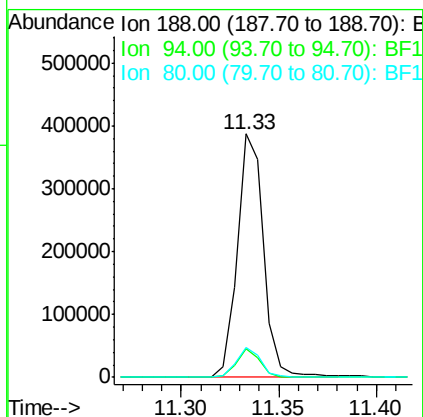
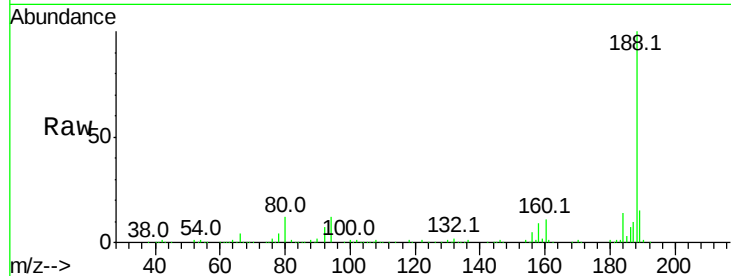




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: BF104738.D
 Acq: 24 Apr 2018 6:05

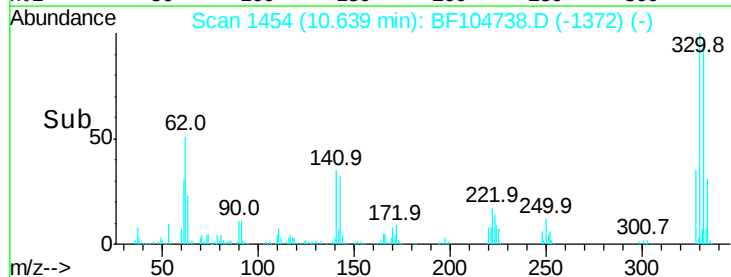
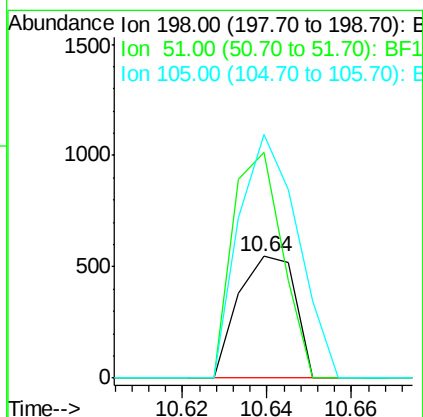
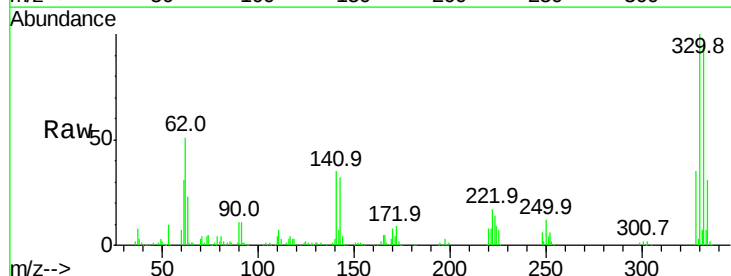
Instrument :
 BNA_F
 ClientSampleId :

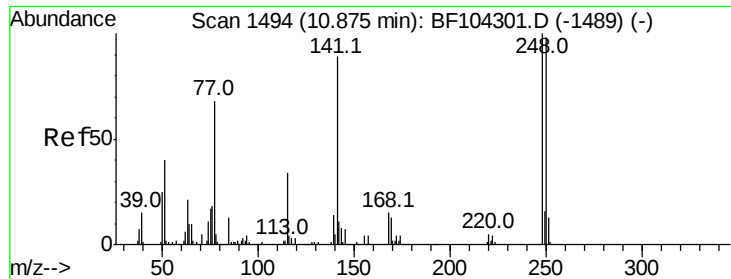
Tot Ion:188 Resp: 359262
 Ion Ratio Lower Upper
 188 100
 94 11.9 8.5 12.7
 80 12.2 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.593 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.18 min
 Lab File: BF104738.D
 Acq: 24 Apr 2018 6:05

Tgt Ion:198 Resp: 509
 Ion Ratio Lower Upper
 198 100
 51 186.3 37.7 77.7#
 105 200.4 36.3 76.3#

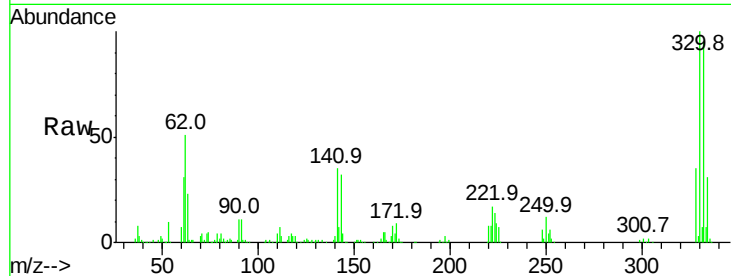




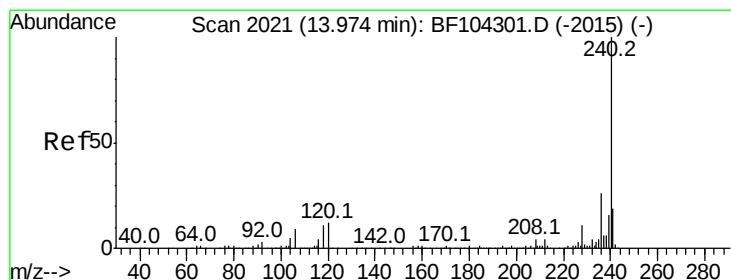
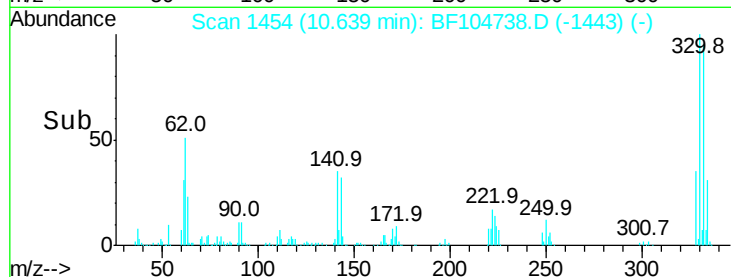
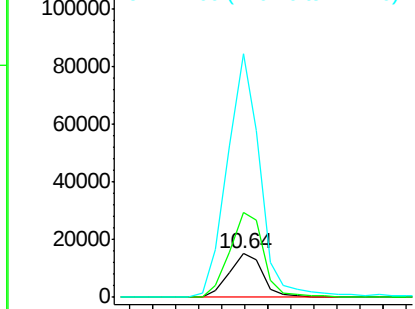
#66
4-Bromophenyl-phenylether
Concen: 4.073 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.24 min
Lab File: BF104738.D
Acq: 24 Apr 2018 6:05

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 15566
Ion Ratio Lower Upper
248 100
250 194.2 76.9 115.3#
141 559.3 74.4 111.6#

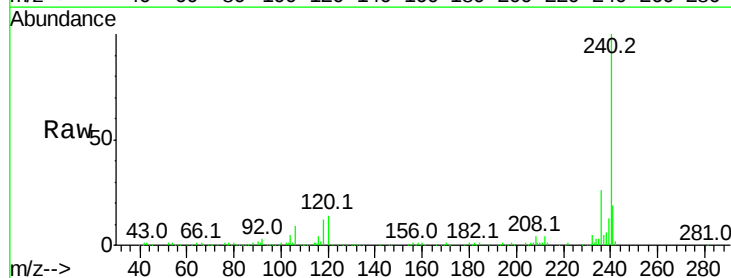


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

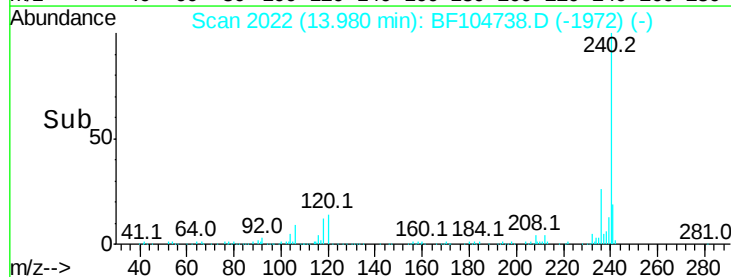
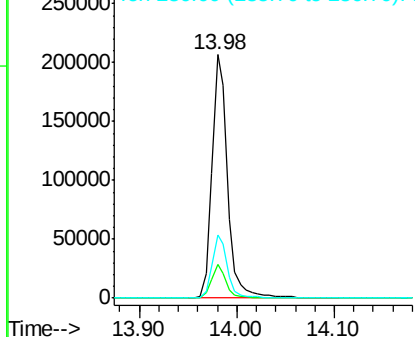


#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF104738.D
Acq: 24 Apr 2018 6:05

Tgt Ion:240 Resp: 227360
Ion Ratio Lower Upper
240 100
120 14.1 9.5 14.3
236 25.9 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: 110.949 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BF104738.D

Acq: 24 Apr 2018 6:05

Instrument :

BNA_F

ClientSampled :

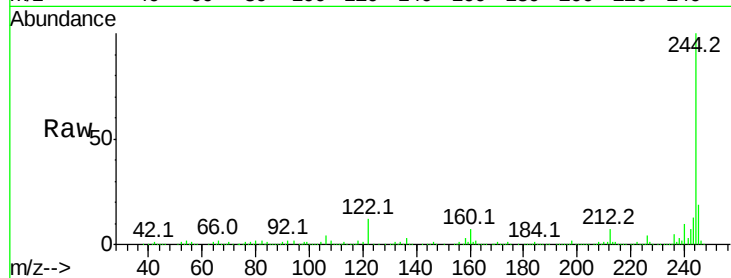
Tot Ion:244 Resp: 1106463

Ion Ratio Lower Upper

244 100

212 6.9 5.4 8.0

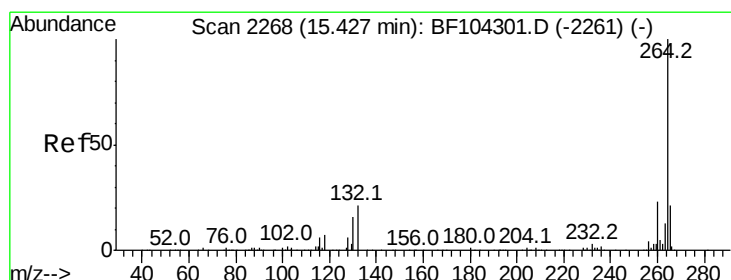
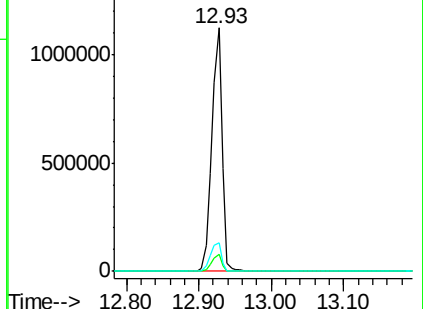
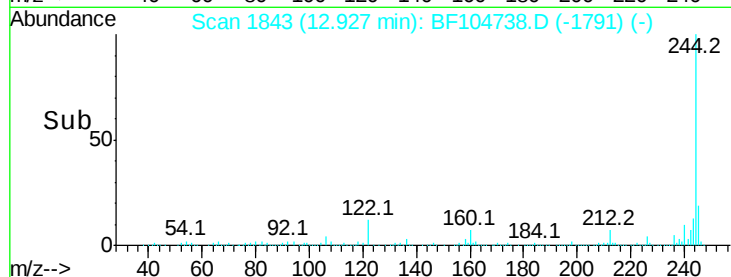
122 11.9 11.0 16.4



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: 15.45 min Scan# 2272

Delta R.T. -0.00 min

Lab File: BF104738.D

Acq: 24 Apr 2018 6:05

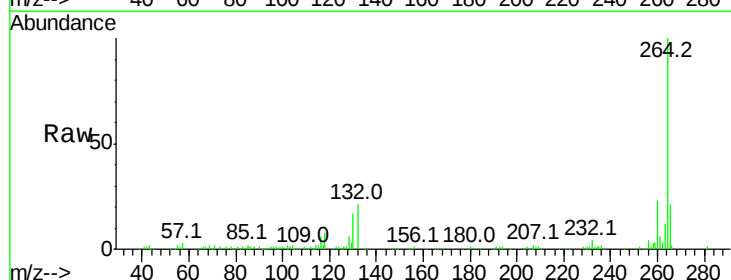
Tgt Ion:264 Resp: 169437

Ion Ratio Lower Upper

264 100

260 22.6 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

