

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
 Data File : BF104731.D
 Acq On : 24 Apr 2018 3:00
 Operator : JU/SJ
 Sample : J2494-03
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 24 05:25:17 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

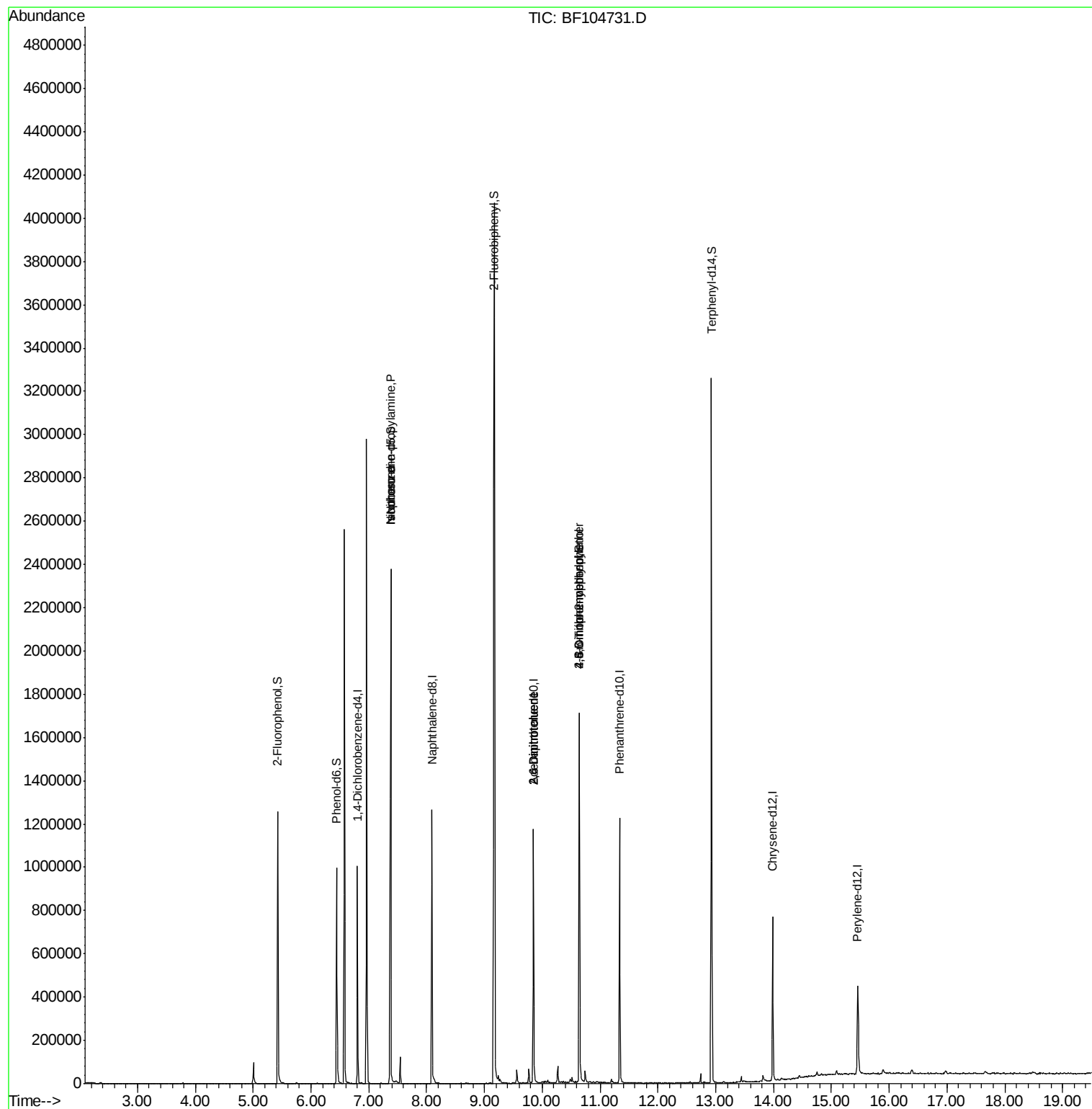
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	138530	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	572046	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	255488	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	417817	20.00	ng	0.00
75) Chrysene-d12	13.99	240	263156	20.00	ng	0.00
86) Perylene-d12	15.46	264	198748	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	403152	44.50	ng	0.01
7) Phenol-d6	6.45	99	314845	28.28	ng	0.00
23) Nitrobenzene-d5	7.38	82	925540	105.65	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	236286	89.16	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1512596	93.53	ng	0.00
78) Terphenyl-d14	12.93	244	1352114	117.14	ng	0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.38	70	119390	16.413	ng	# 73
25) Isophorone	7.38	82	925534	49.960	ng	# 64
50) 2,6-Dinitrotoluene	9.85	165	32247	8.650	ng	# 25
56) 2,4-Dinitrotoluene	9.85	165	32247	6.594	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.64	198	382	7.506	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	14251	3.207	ng	# 1
76) Benzidine	12.93	184	17884	Below Cal		# 95

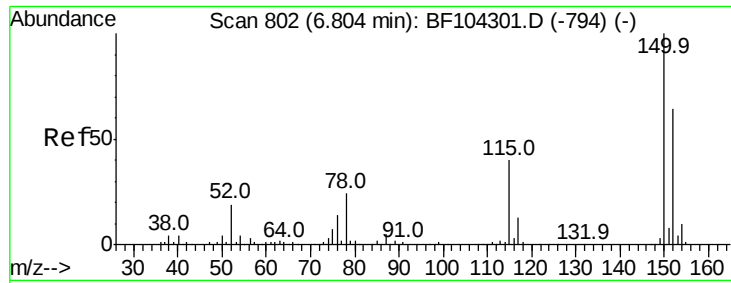
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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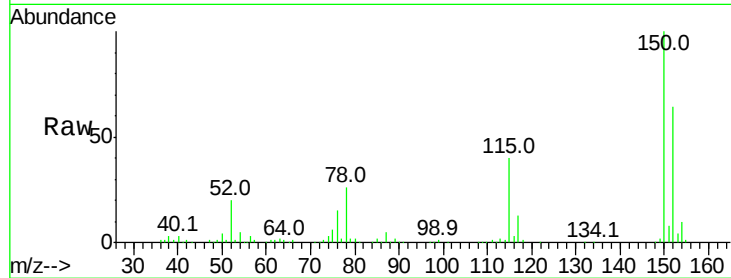


#1

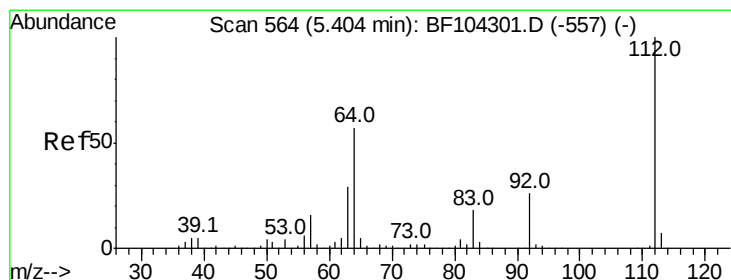
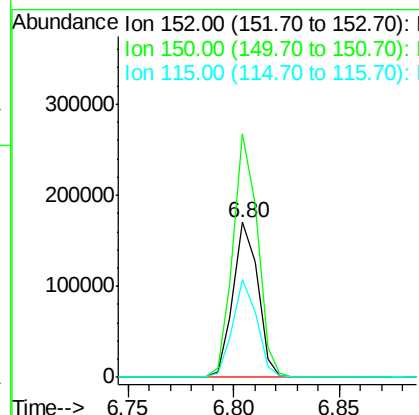
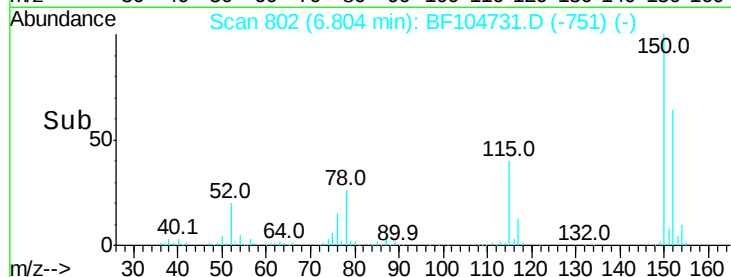
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104731.D
Acq: 24 Apr 2018 3:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 138530
Ion Ratio Lower Upper
152 100
150 156.9 124.6 186.8
115 62.9 50.1 75.1



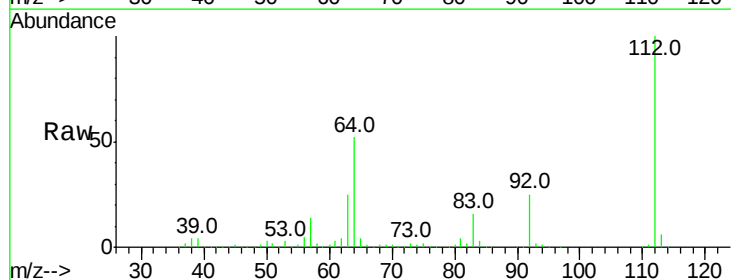
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



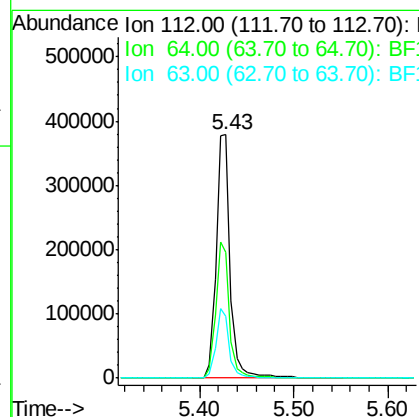
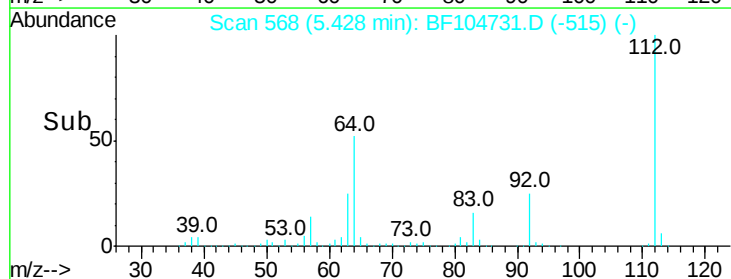
#5

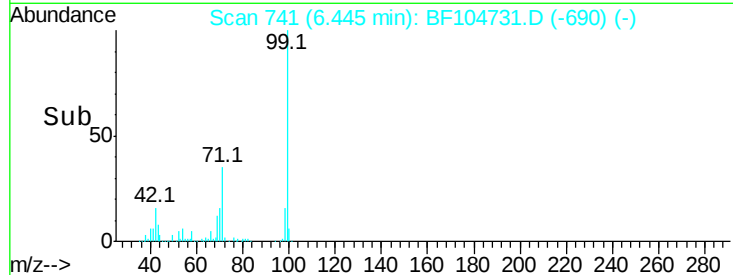
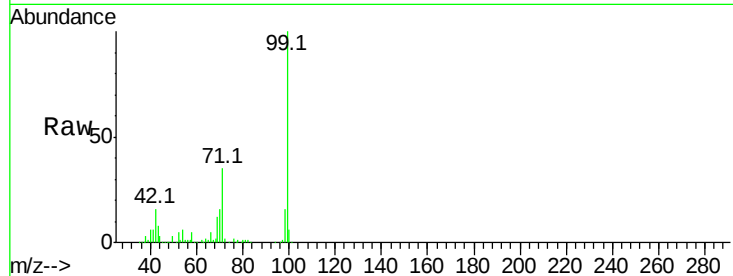
2-Fluorophenol
Concen: 44.499 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF104731.D
Acq: 24 Apr 2018 3:00

Tgt Ion:112 Resp: 403152
Ion Ratio Lower Upper
112 100
64 51.8 47.9 71.9
63 25.5 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: 28.284 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF104731.D

Acq: 24 Apr 2018 3:00

Instrument :

BNA_F

ClientSampled :

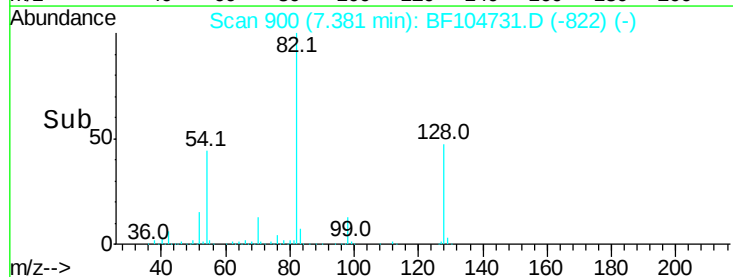
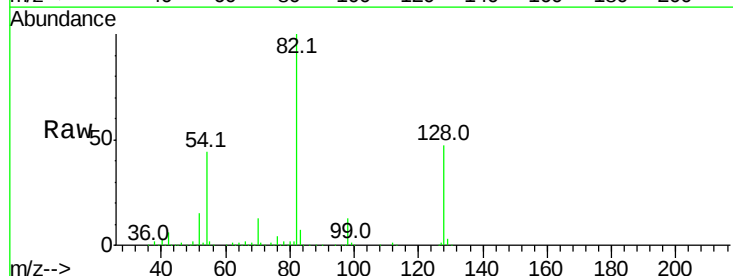
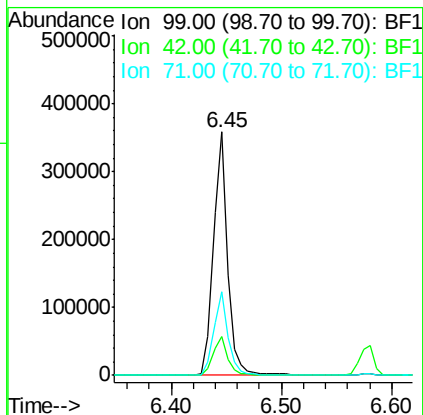
Tot Ion: 99 Resp: 314845

Ion Ratio Lower Upper

99 100

42 16.0 14.5 21.7

71 34.6 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 16.413 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.16 min

Lab File: BF104731.D

Acq: 24 Apr 2018 3:00

Tgt Ion: 70 Resp: 119390

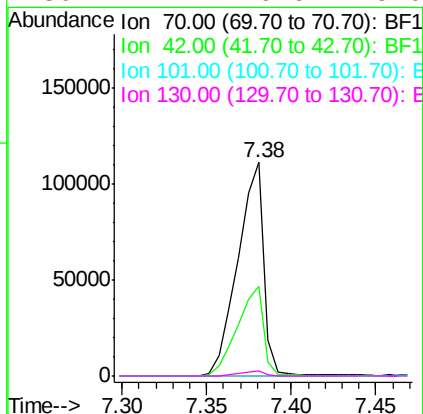
Ion Ratio Lower Upper

70 100

42 41.9 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

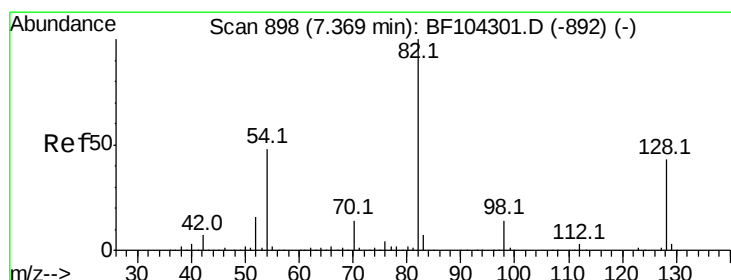
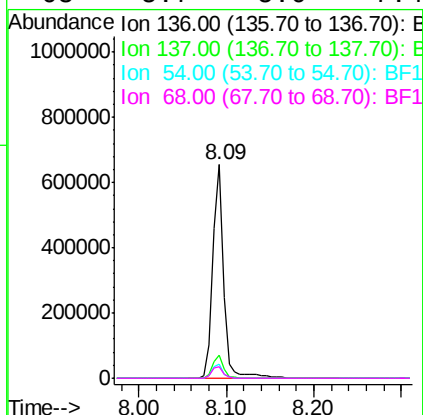
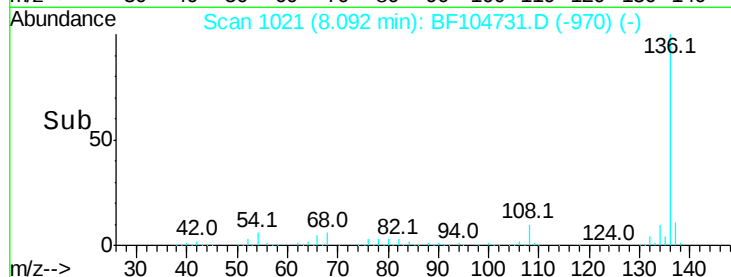
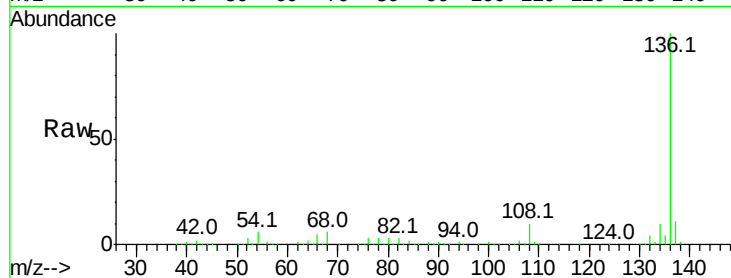




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BF104731.D
Acq: 24 Apr 2018 3:00

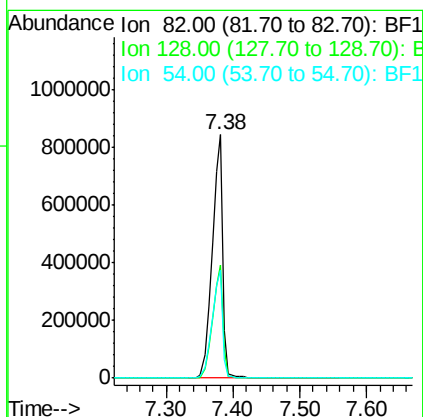
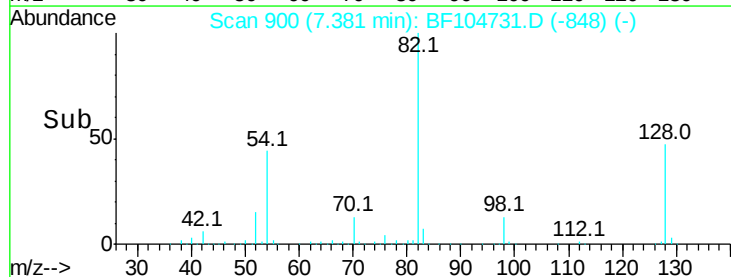
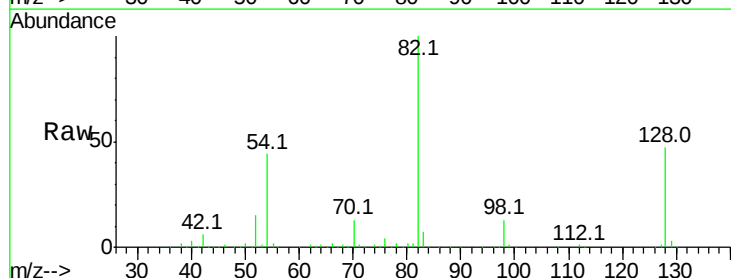
Instrument :
BNA_F
ClientSampled :

Tot Ion:	136	Resp:	572046
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	6.5	6.6	9.8#
68	5.7	5.0	7.4



#23
Nitrobenzene-d5
Concen: 105.649 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.01 min
Lab File: BF104731.D
Acq: 24 Apr 2018 3:00

Tgt Ion:	82	Resp:	925540
Ion	Ratio	Lower	Upper
82	100		
128	46.5	36.1	54.1
54	44.3	41.4	62.2





#25

Isophorone

Concen: 49.960 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.25 min

Lab File: BF104731.D

Acq: 24 Apr 2018 3:00

Instrument :

BNA_F

ClientSampleId :

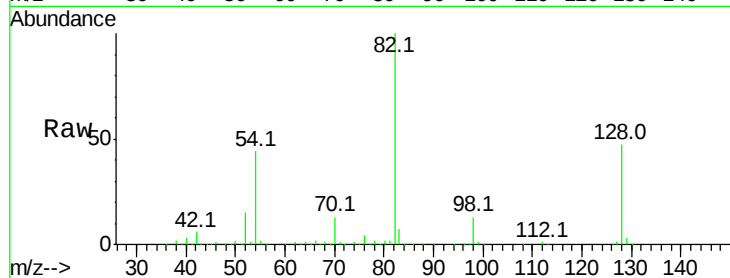
Tot Ion: 82 Resp: 925534

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

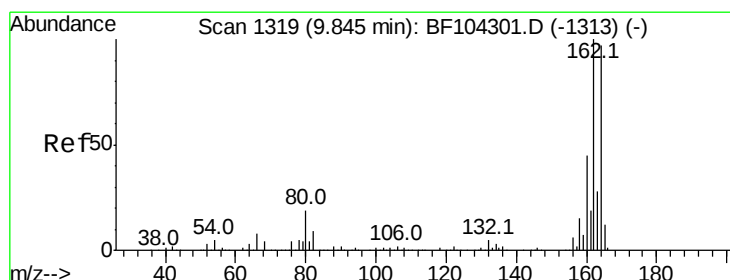
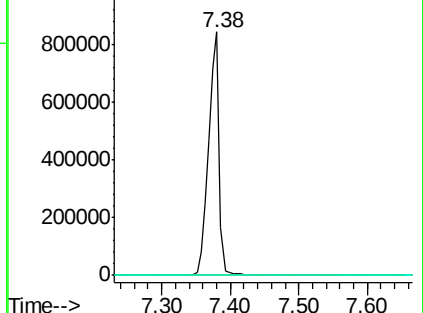
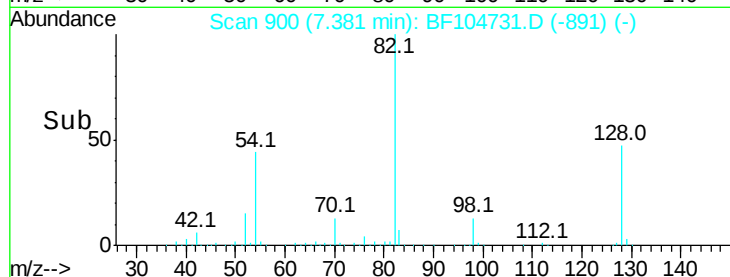
138 0.0 14.9 22.3#



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: BF104731.D

Acq: 24 Apr 2018 3:00

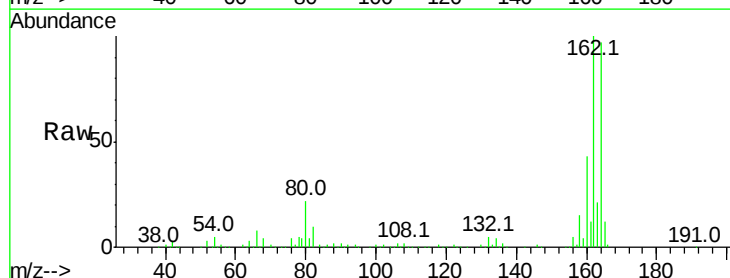
Tgt Ion:164 Resp: 255488

Ion Ratio Lower Upper

164 100

162 103.3 86.1 129.1

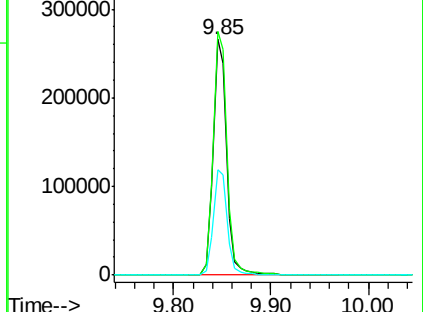
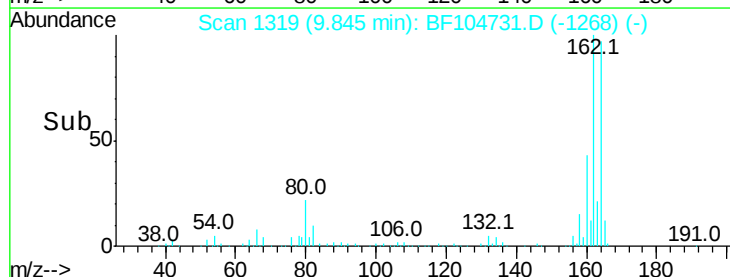
160 44.8 38.3 57.5



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

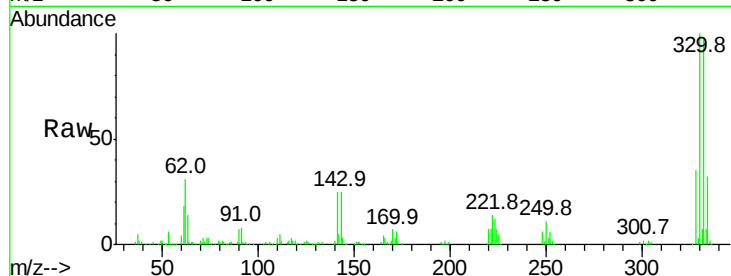




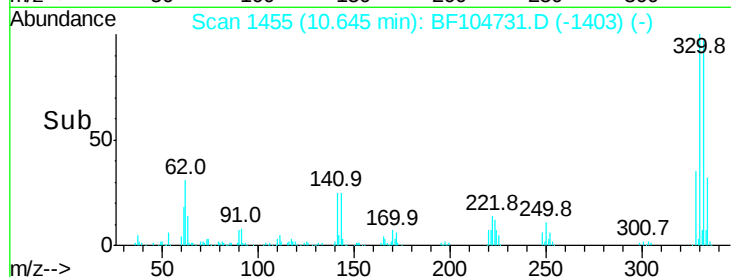
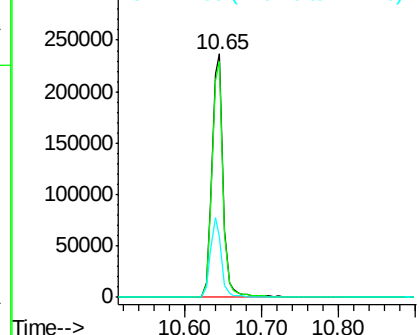
#41
 2,4,6-Tribromophenol
 Concen: 89.156 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.01 min
 Lab File: BF104731.D
 Acq: 24 Apr 2018 3:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.6
141	32.6	29.9	44.9

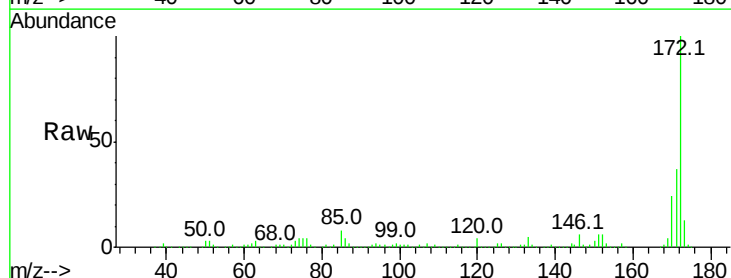


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

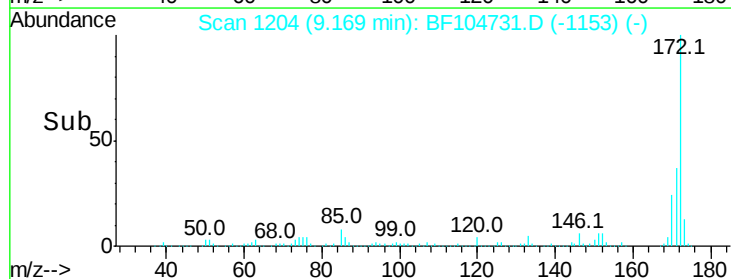
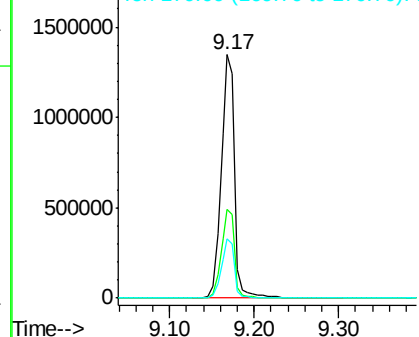


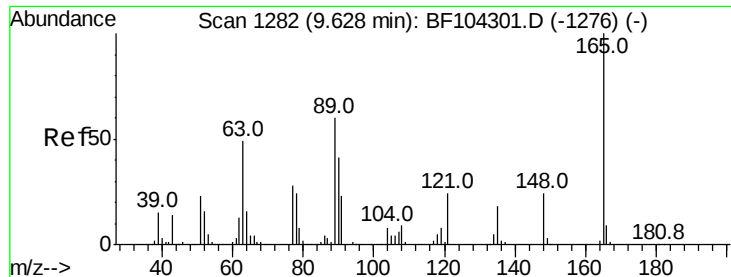
#44
 2-Fluorobiphenyl
 Concen: 93.528 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF104731.D
 Acq: 24 Apr 2018 3:00

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	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

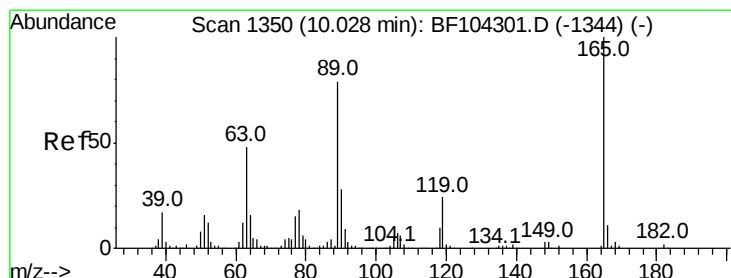
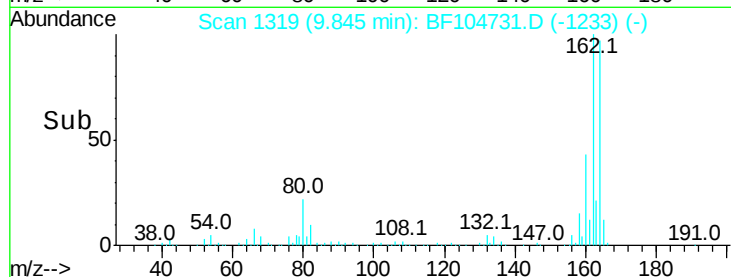
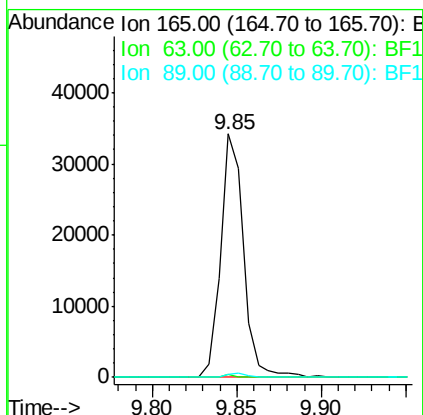
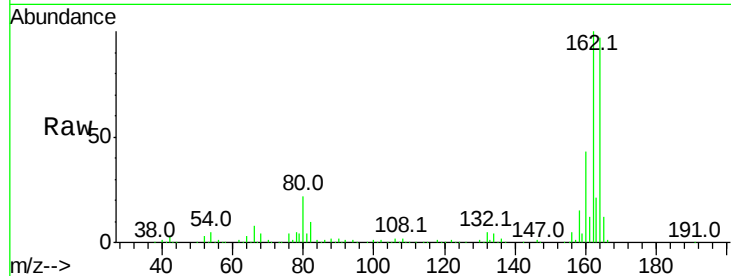




#50
 2,6-Dinitrotoluene
 Concen: 8.650 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.21 min
 Lab File: BF104731.D
 Acq: 24 Apr 2018 3:00

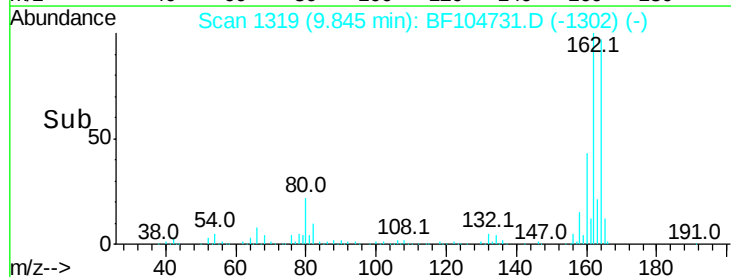
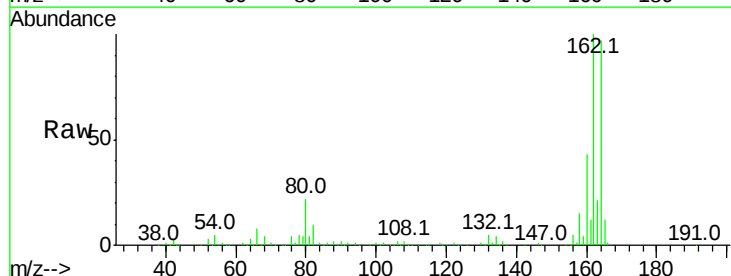
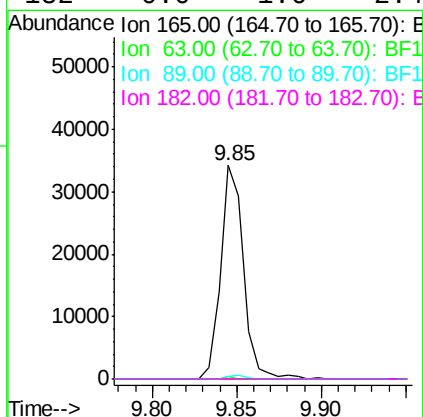
Instrument :
 BNA_F
 ClientSampleId :

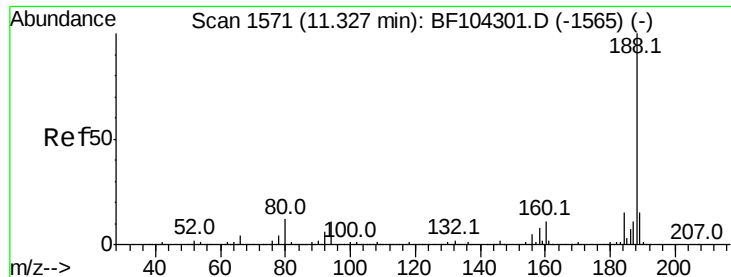
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	44.7	67.1#
89	1.1	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.594 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.20 min
 Lab File: BF104731.D
 Acq: 24 Apr 2018 3:00

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

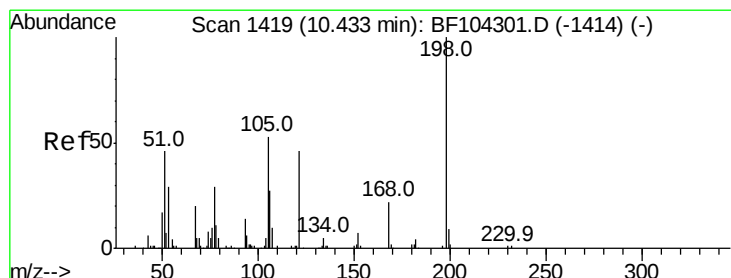
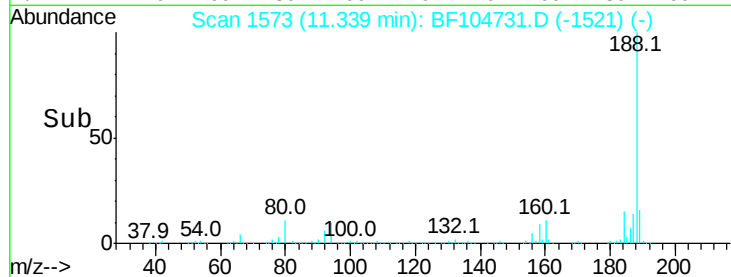
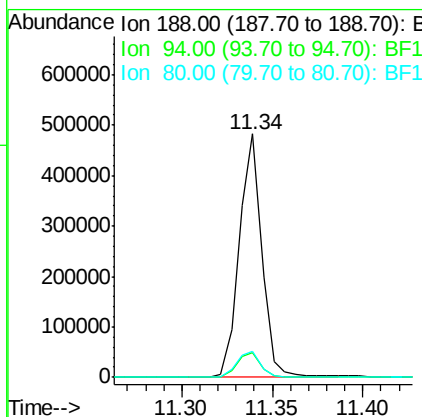
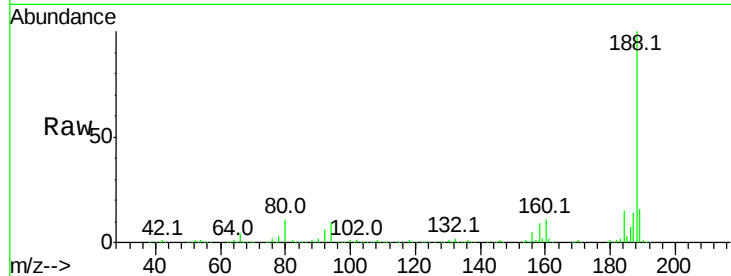




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: BF104731.D
 Acq: 24 Apr 2018 3:00

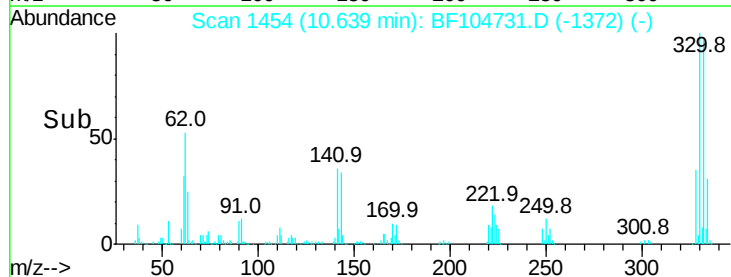
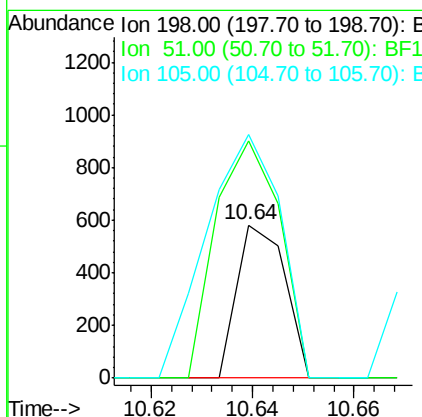
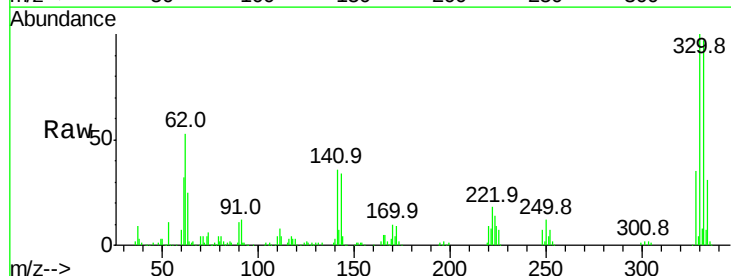
Instrument :
 BNA_F
 ClientSampleId :

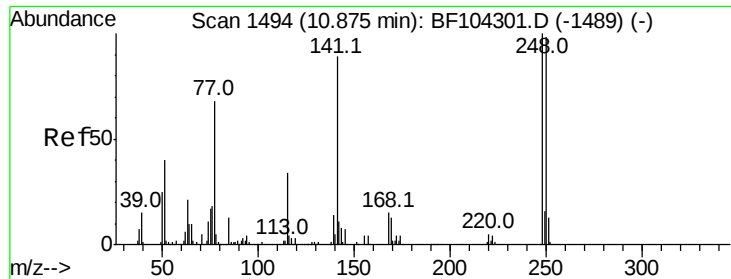
Tot Ion:188 Resp: 417817
 Ion Ratio Lower Upper
 188 100
 94 10.4 8.5 12.7
 80 10.9 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.506 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.18 min
 Lab File: BF104731.D
 Acq: 24 Apr 2018 3:00

Tgt Ion:198 Resp: 382
 Ion Ratio Lower Upper
 198 100
 51 155.0 37.7 77.7#
 105 158.9 36.3 76.3#

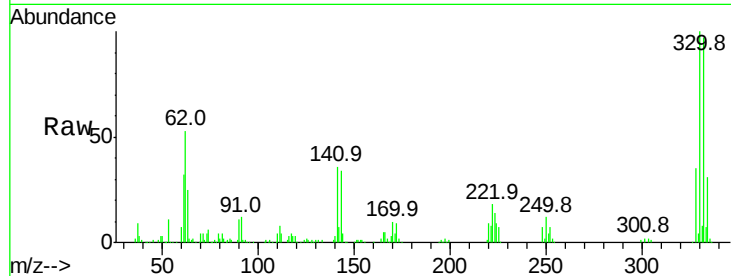




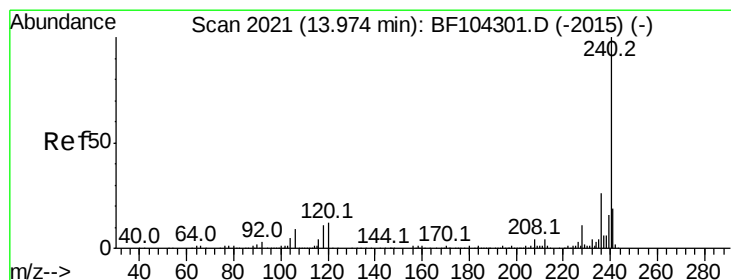
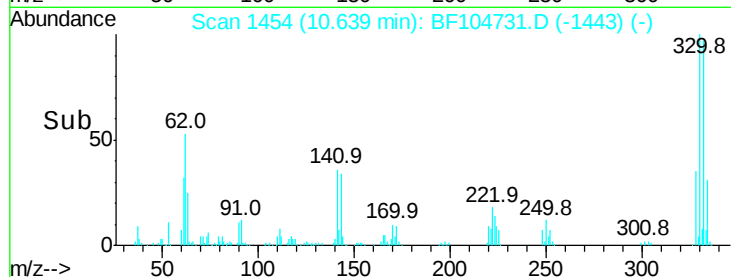
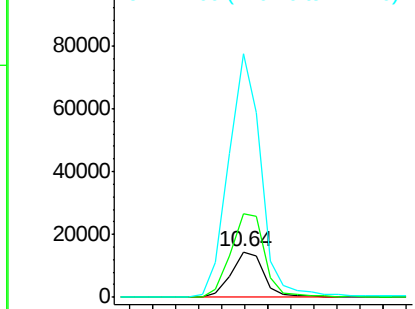
#66
4-Bromophenyl-phenylether
Concen: 3.207 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.24 min
Lab File: BF104731.D
Acq: 24 Apr 2018 3:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 14251
Ion Ratio Lower Upper
248 100
250 183.7 76.9 115.3#
141 538.2 74.4 111.6#

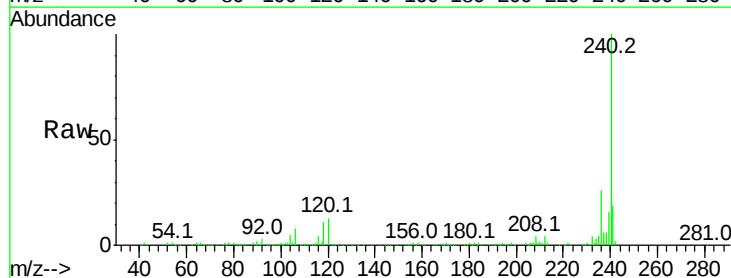


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

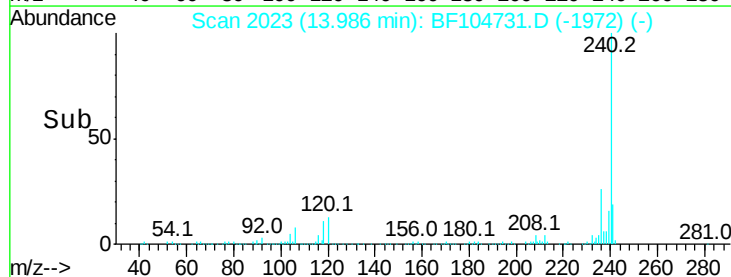
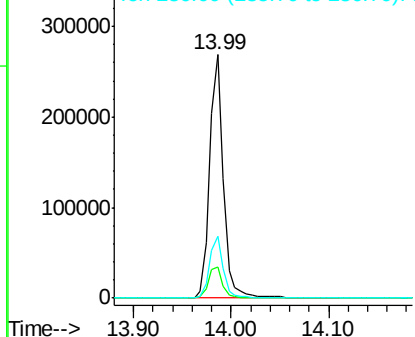


#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2023
Delta R.T. -0.00 min
Lab File: BF104731.D
Acq: 24 Apr 2018 3:00

Tgt Ion:240 Resp: 263156
Ion Ratio Lower Upper
240 100
120 12.6 9.5 14.3
236 25.6 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

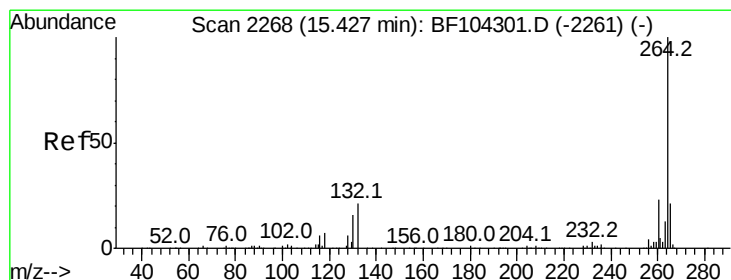
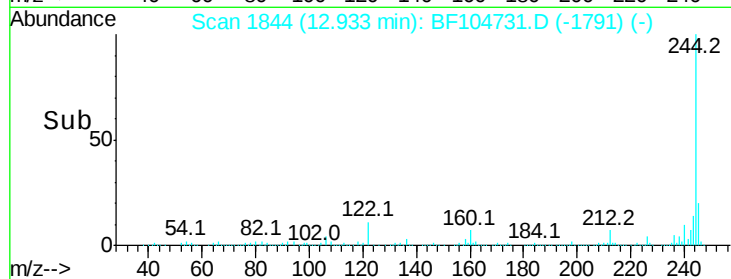
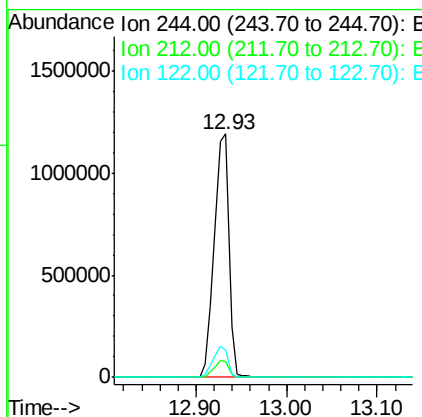
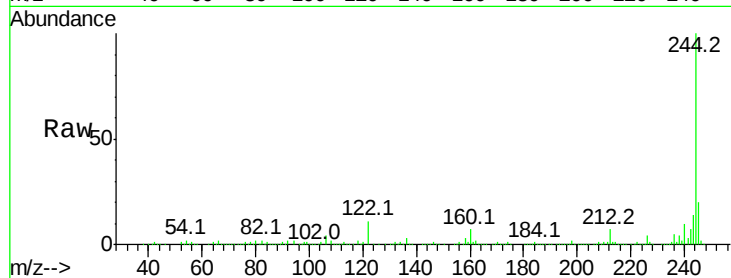




#78
 Terphenyl-d14
 Concen: 117.139 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. 0.01 min
 Lab File: BF104731.D
 Acq: 24 Apr 2018 3:00

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1352114
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 11.2 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2273
 Delta R.T. 0.01 min
 Lab File: BF104731.D
 Acq: 24 Apr 2018 3:00

Tgt Ion:264 Resp: 198748
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.2 28.8
 265 21.1 17.5 26.3

