

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
 Data File : BF104739.D
 Acq On : 24 Apr 2018 6:31
 Operator : JU/SJ
 Sample : J2503-06
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 24 08:33:49 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

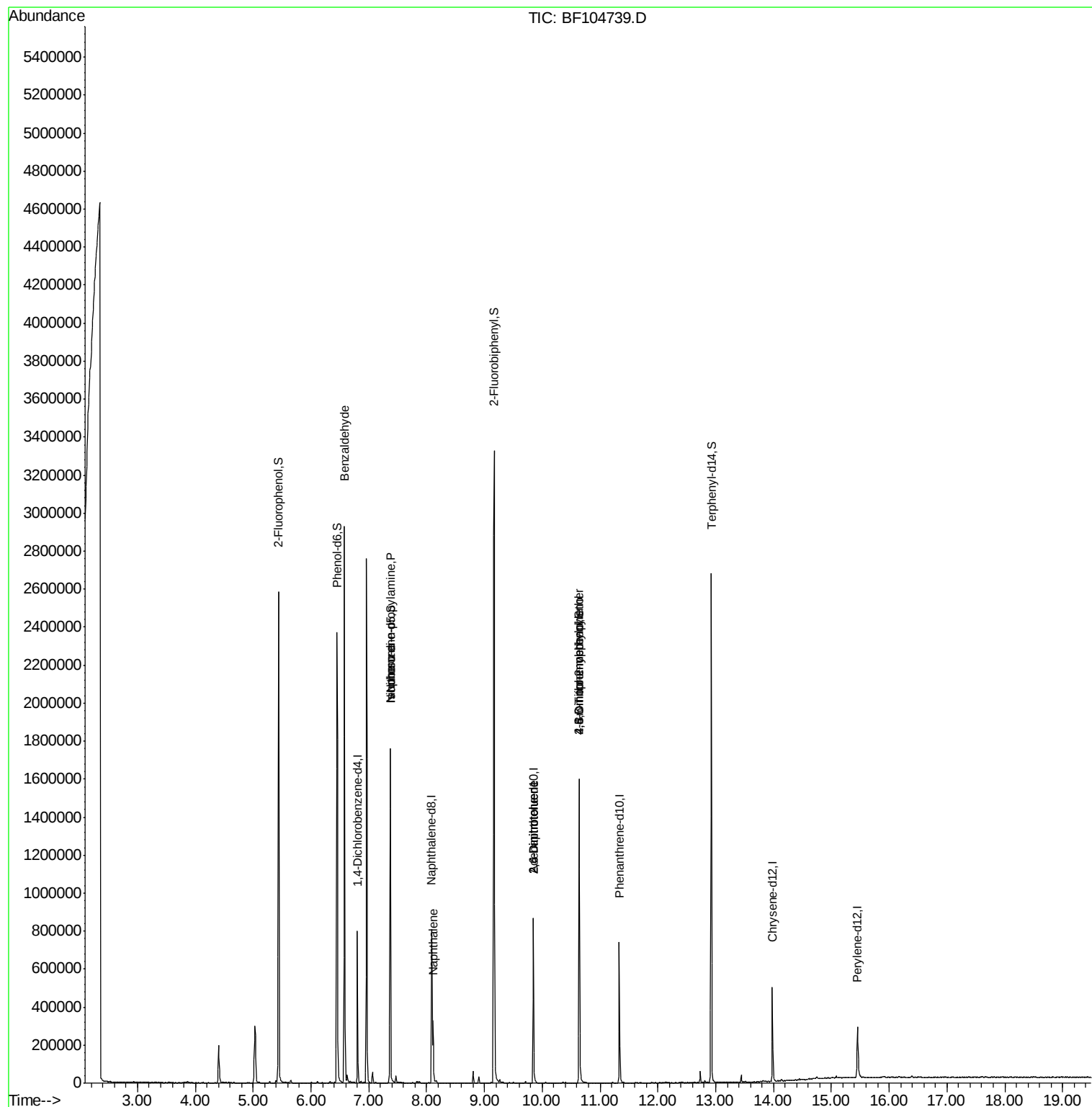
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	111045	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	431201	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	171721	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	288783	20.00	ng	0.00
75) Chrysene-d12	13.98	240	188586	20.00	ng	0.00
86) Perylene-d12	15.46	264	138413	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	847108	116.64	ng	0.02
7) Phenol-d6	6.45	99	933575	104.63	ng	0.00
23) Nitrobenzene-d5	7.37	82	635428	96.22	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	215719	121.10	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1157123	106.45	ng	0.00
78) Terphenyl-d14	12.93	244	990075	119.69	ng	0.00
Target Compounds						
9) Benzaldehyde	6.58	77	19444	2.037	ng	84
19) n-Nitroso-di-n-propylamine	7.37	70	83122	14.256	ng	# 71
25) Isophorone	7.37	82	635418	45.503	ng	# 64
31) Naphthalene	8.11	128	140413	6.540	ng	98
50) 2,6-Dinitrotoluene	9.85	165	21169	8.448	ng	# 26
56) 2,4-Dinitrotoluene	9.85	165	21169	6.441	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.64	198	401	7.589	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	12793	4.165	ng	# 1
76) Benzidine	12.92	184	12526	Below Cal	#	95

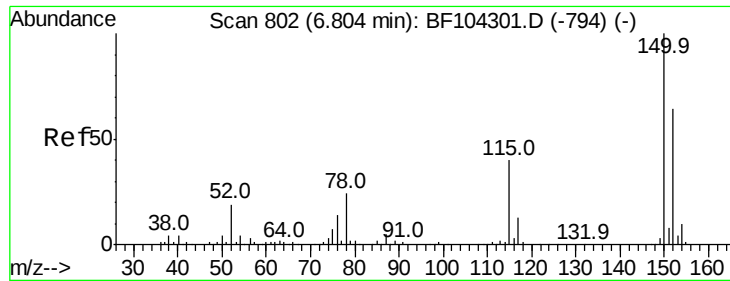
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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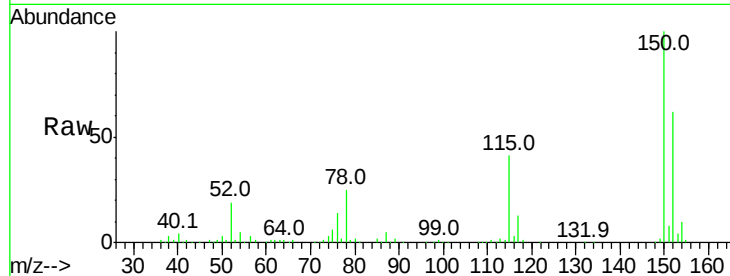


#1

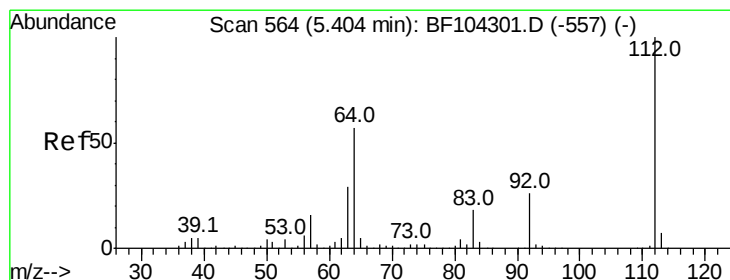
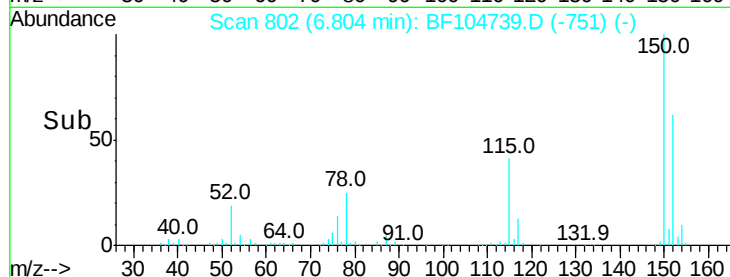
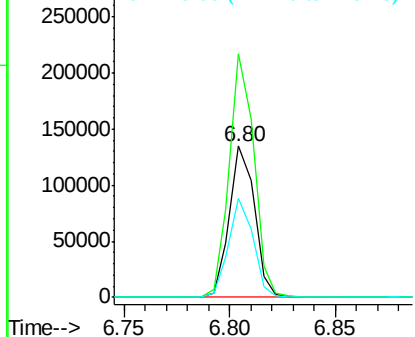
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104739.D
Acq: 24 Apr 2018 6:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 111045
Ion Ratio Lower Upper
152 100
150 161.4 124.6 186.8
115 65.4 50.1 75.1



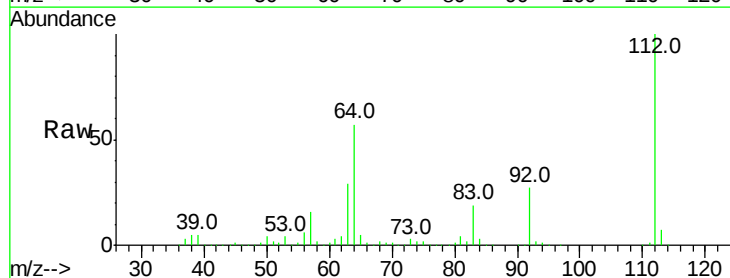
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



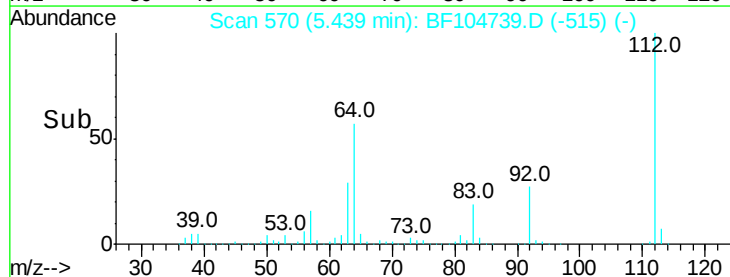
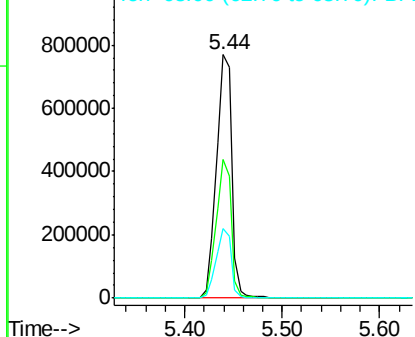
#5

2-Fluorophenol
Concen: 116.644 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.02 min
Lab File: BF104739.D
Acq: 24 Apr 2018 6:31

Tgt Ion:112 Resp: 847108
Ion Ratio Lower Upper
112 100
64 57.0 47.9 71.9
63 28.6 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: 104.625 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF104739.D

Acq: 24 Apr 2018 6:31

Instrument :

BNA_F

ClientSampleId :

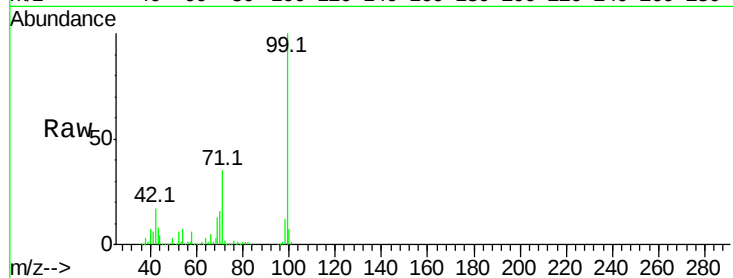
Tot Ion: 99 Resp: 933575

Ion Ratio Lower Upper

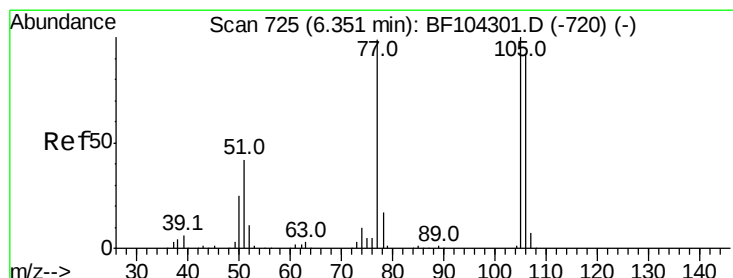
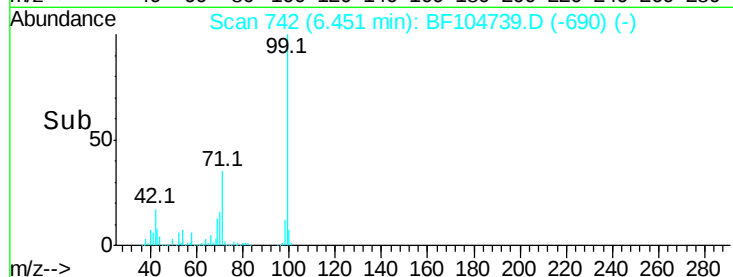
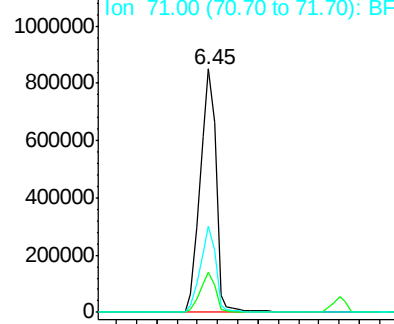
99 100

42 16.6 14.5 21.7

71 35.2 25.4 38.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#9

Benzaldehyde

Concen: 2.037 ng

RT: 6.58 min Scan# 764

Delta R.T. 0.22 min

Lab File: BF104739.D

Acq: 24 Apr 2018 6:31

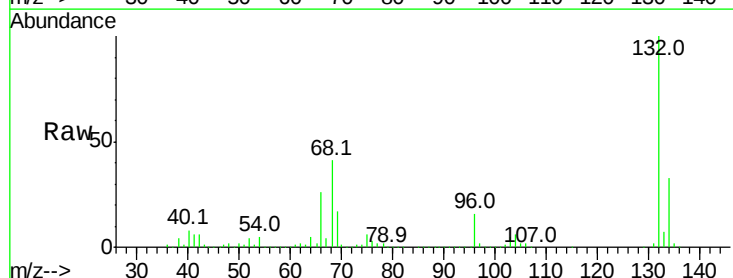
Tgt Ion: 77 Resp: 19444

Ion Ratio Lower Upper

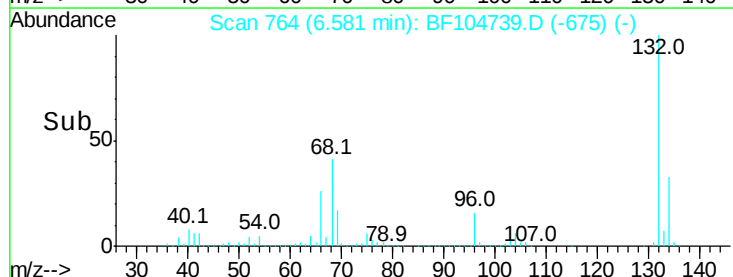
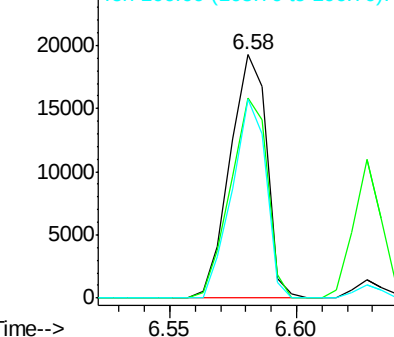
77 100

105 82.2 81.1 121.1

106 81.8 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): BF1
Ion 106.00 (105.70 to 106.70): BF1

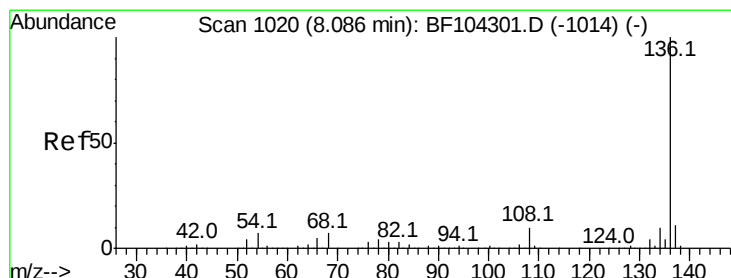
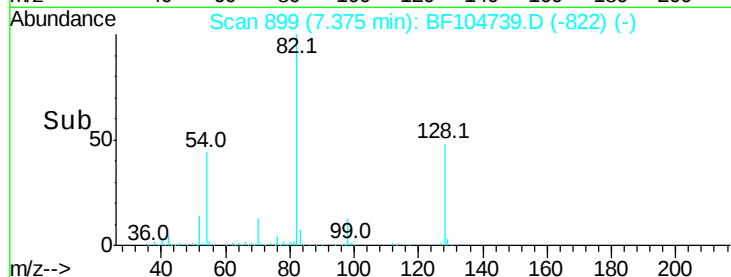
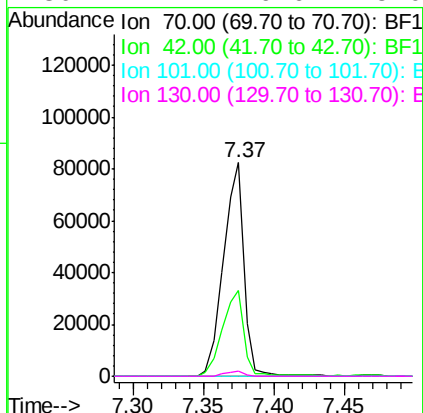
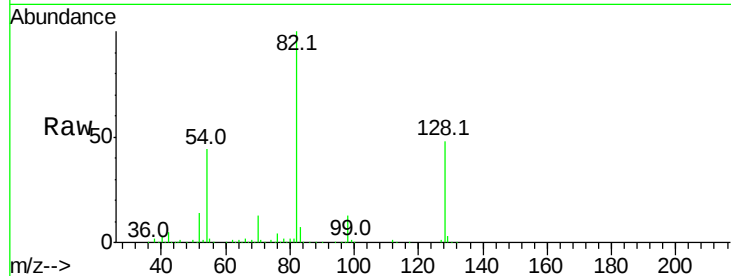




#19
n-Nitroso-di-n-propylamine
Concen: 14.256 ng
RT: 7.37 min Scan# 899
Delta R.T. 0.15 min
Lab File: BF104739.D
Acq: 24 Apr 2018 6:31

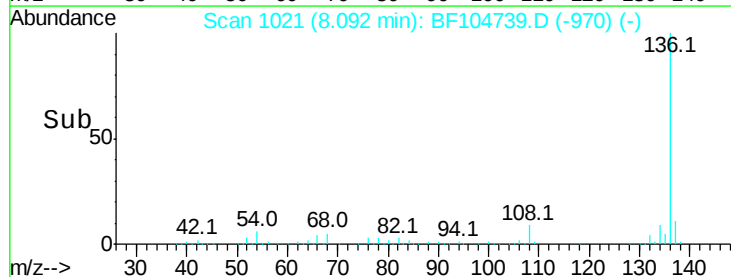
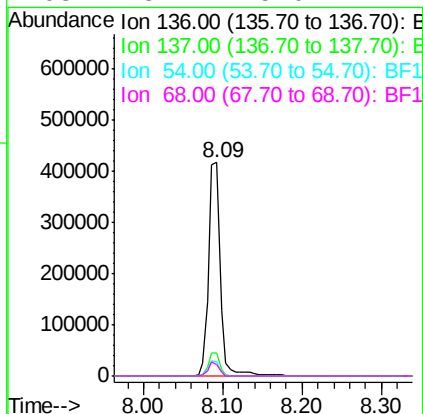
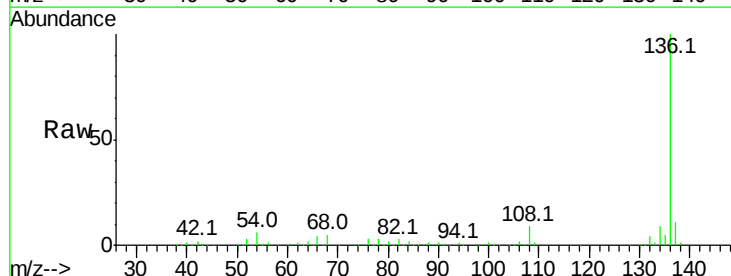
Instrument :
BNA_F
ClientSampleId :

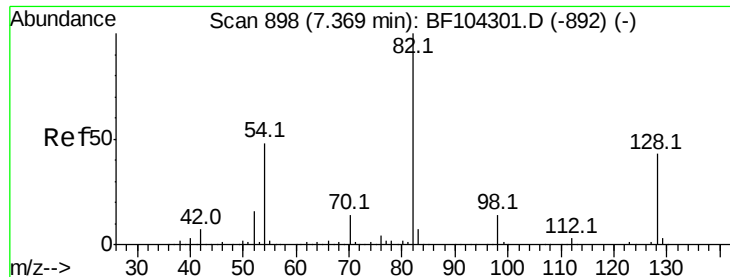
Tot Ion: 70 Resp: 83122
Ion Ratio Lower Upper
70 100
42 40.1 47.5 71.3#
101 0.0 7.4 11.2#
130 2.4 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BF104739.D
Acq: 24 Apr 2018 6:31

Tgt Ion:136 Resp: 431201
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 6.3 6.6 9.8#
68 5.4 5.0 7.4

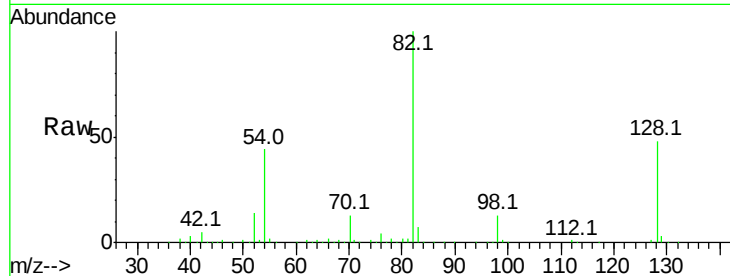




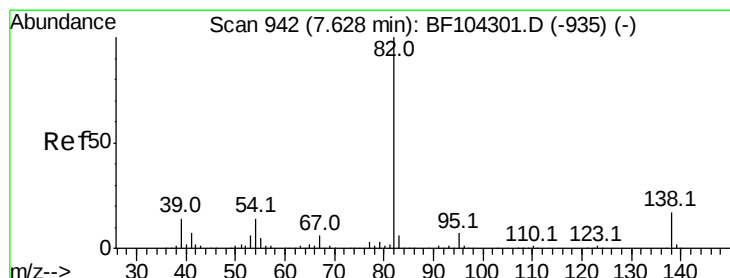
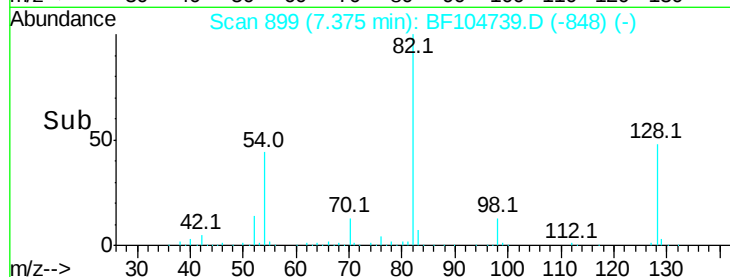
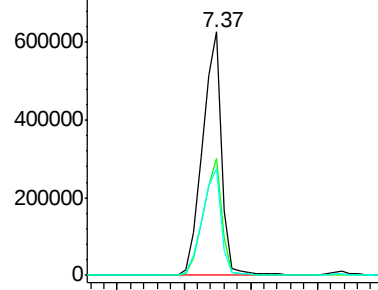
#23
 Nitrobenzene-d5
 Concen: 96.225 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: BF104739.D
 Acq: 24 Apr 2018 6:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 635428
 Ion Ratio Lower Upper
 82 100
 128 47.8 36.1 54.1
 54 43.9 41.4 62.2

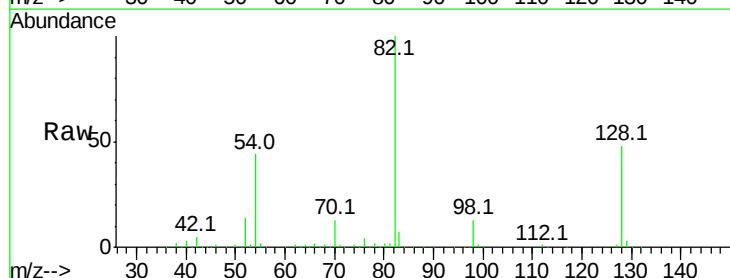


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

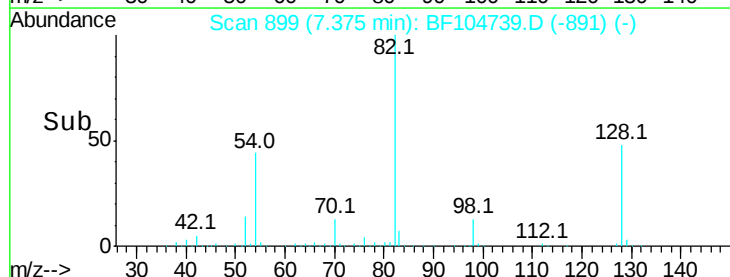
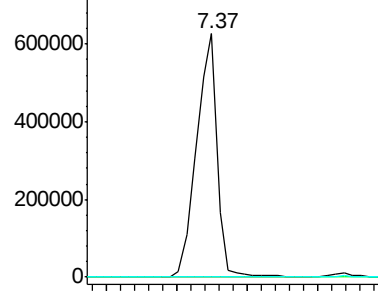


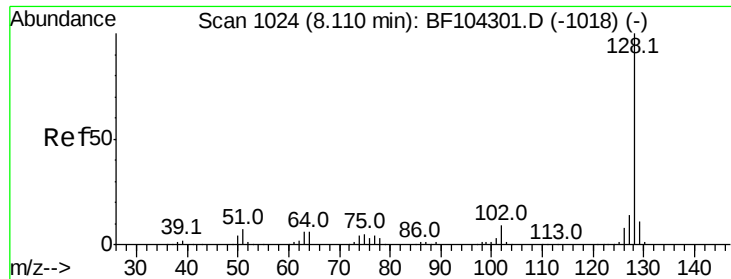
#25
 Isophorone
 Concen: 45.503 ng
 RT: 7.37 min Scan# 899
 Delta R.T. -0.25 min
 Lab File: BF104739.D
 Acq: 24 Apr 2018 6:31

Tgt Ion: 82 Resp: 635418
 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

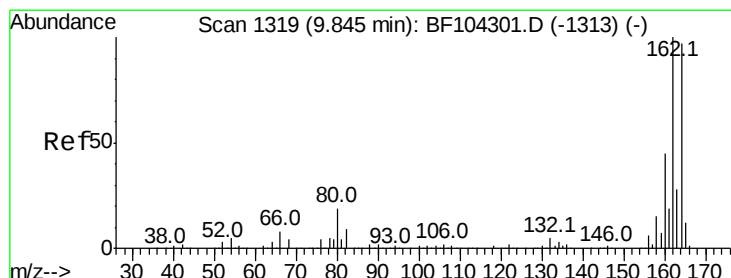
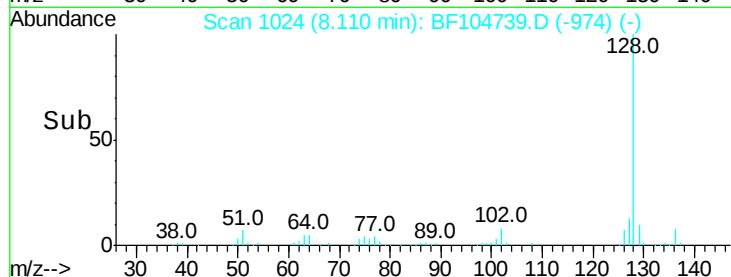
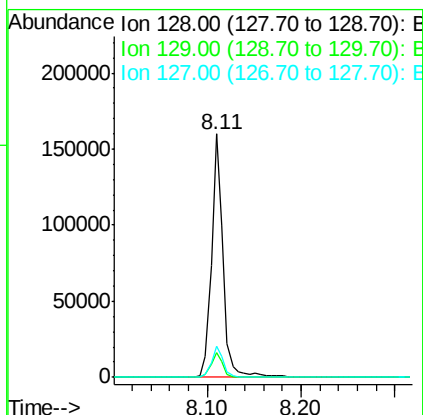
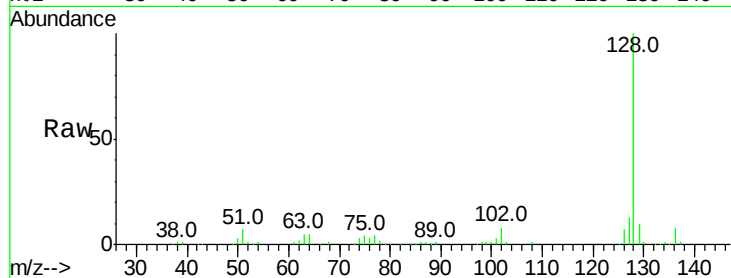




#31
Naphthalene
Concen: 6.540 ng
RT: 8.11 min Scan# 1024
Delta R.T. -0.01 min
Lab File: BF104739.D
Acq: 24 Apr 2018 6:31

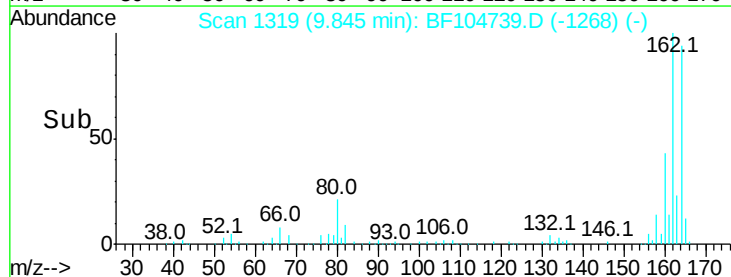
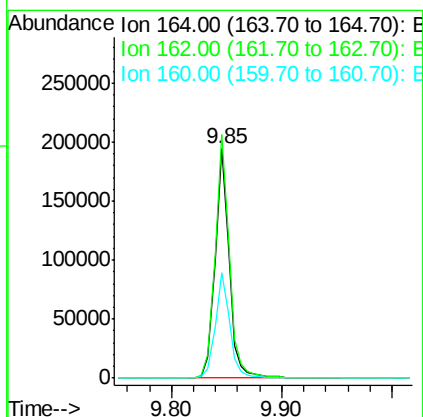
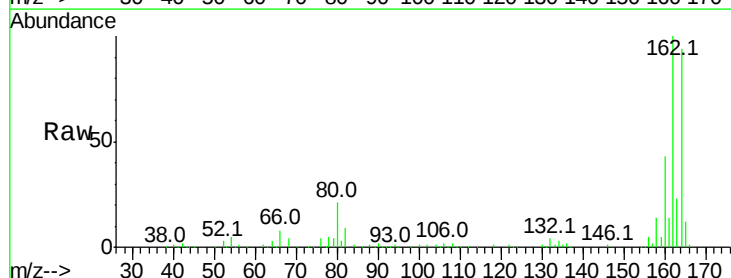
Instrument :
BNA_F
ClientSampleId :

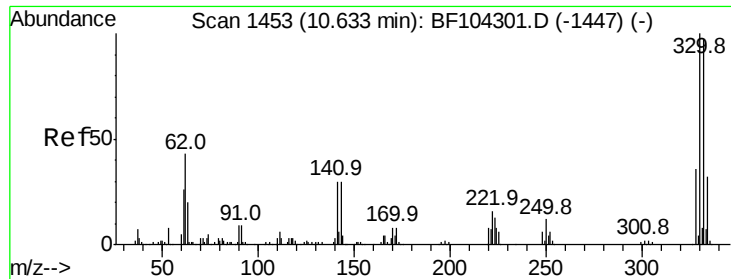
Tot Ion:128 Resp: 140413
Ion Ratio Lower Upper
128 100
129 10.1 8.8 13.2
127 12.7 10.9 16.3



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.00 min
Lab File: BF104739.D
Acq: 24 Apr 2018 6:31

Tgt Ion:164 Resp: 171721
Ion Ratio Lower Upper
164 100
162 106.2 86.1 129.1
160 46.0 38.3 57.5

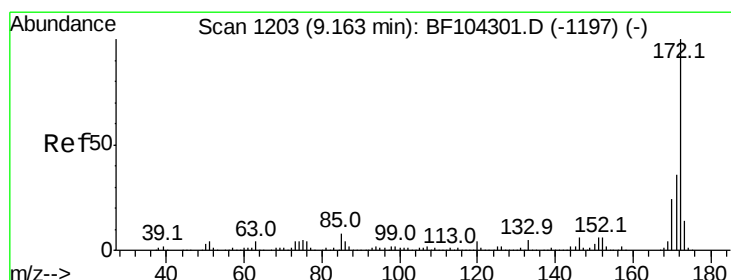
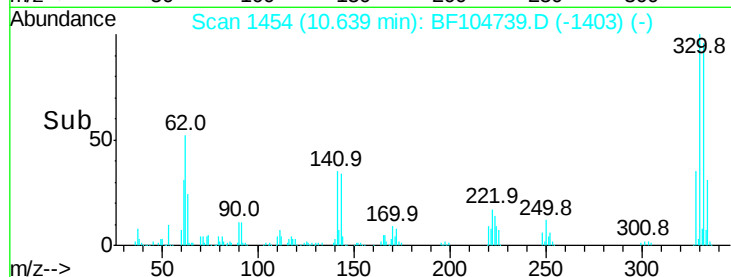
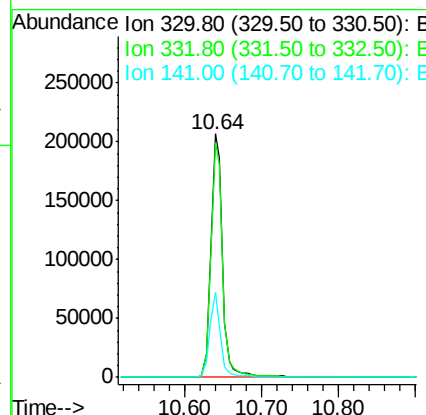
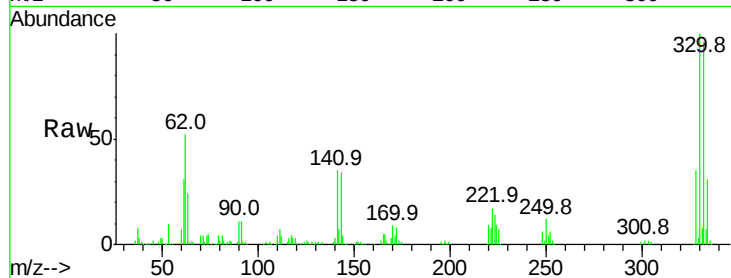




#41
 2,4,6-Tribromophenol
 Concen: 121.101 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.00 min
 Lab File: BF104739.D
 Acq: 24 Apr 2018 6:31

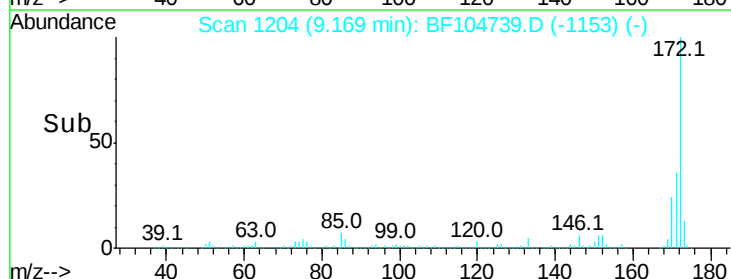
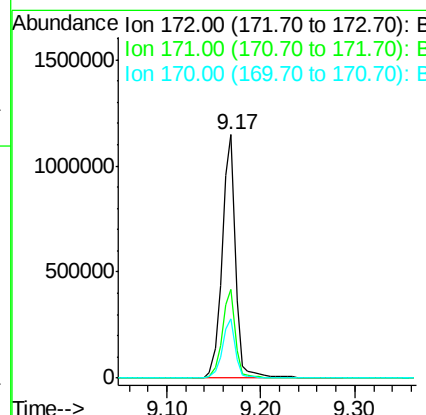
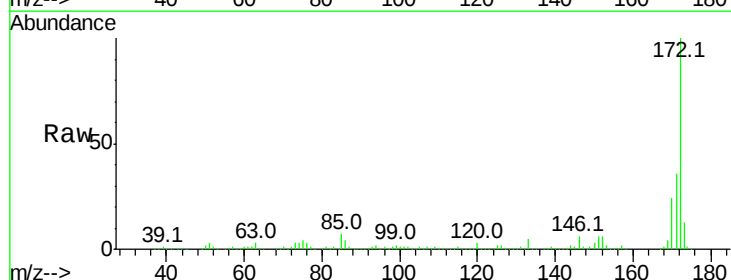
Instrument :
 BNA_F
 ClientSampled :

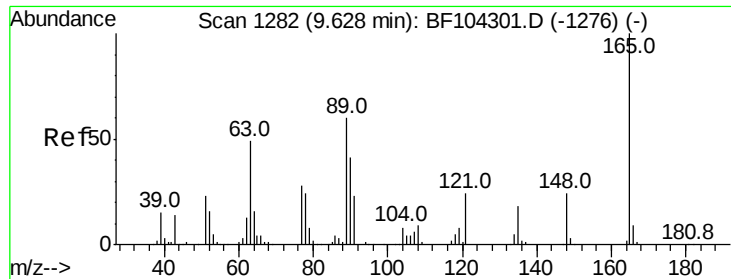
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	32.9	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 106.450 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF104739.D
 Acq: 24 Apr 2018 6:31

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.7	44.5
170	24.2	19.6	29.4

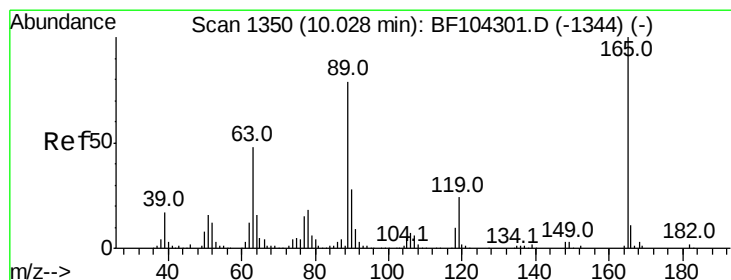
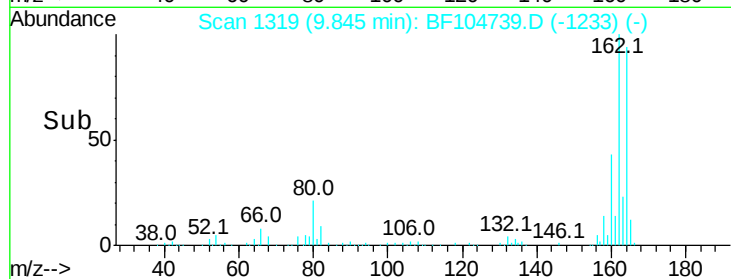
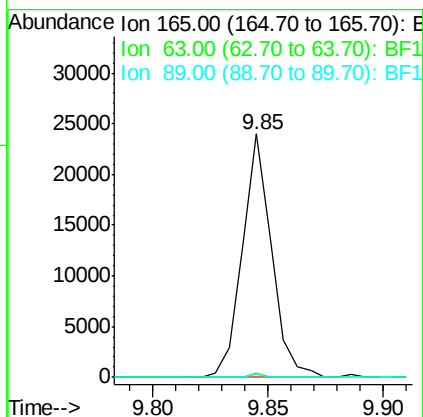
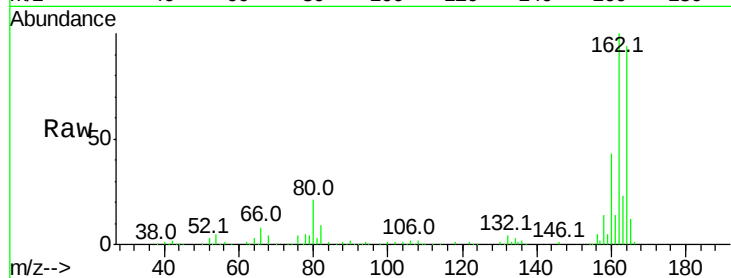




#50
 2,6-Dinitrotoluene
 Concen: 8.448 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.21 min
 Lab File: BF104739.D
 Acq: 24 Apr 2018 6:31

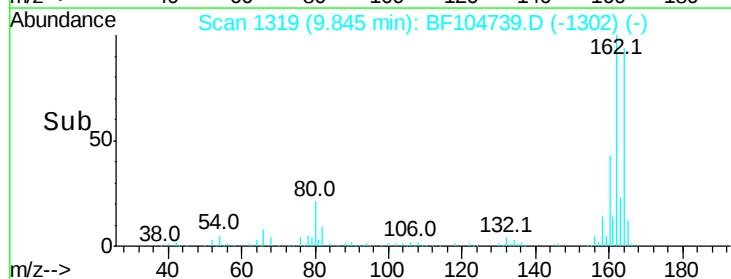
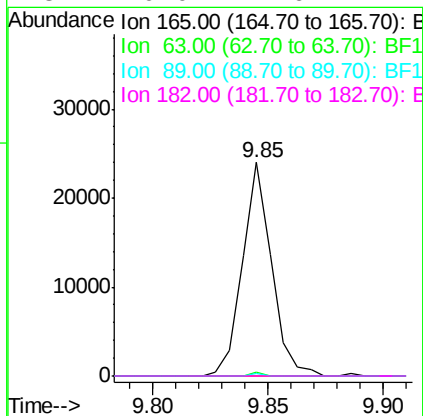
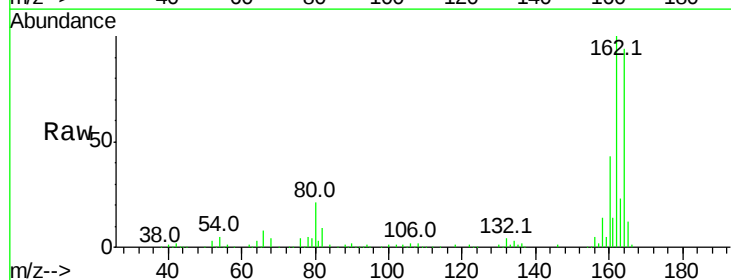
Instrument :
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 ClientSampleId :

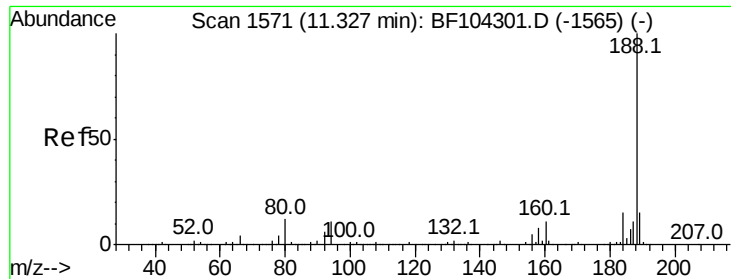
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	44.7	67.1#
89	1.4	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.441 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.20 min
 Lab File: BF104739.D
 Acq: 24 Apr 2018 6:31

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	36.4	54.6#
89	1.4	57.8	86.6#
182	0.0	1.6	2.4#

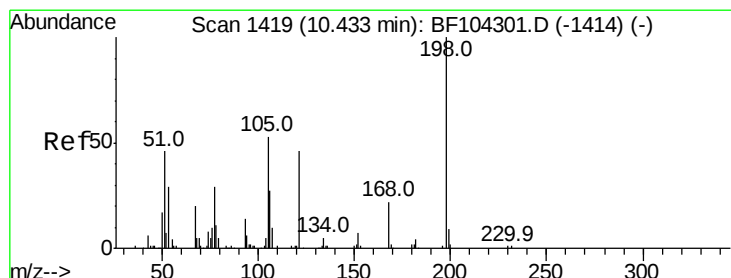
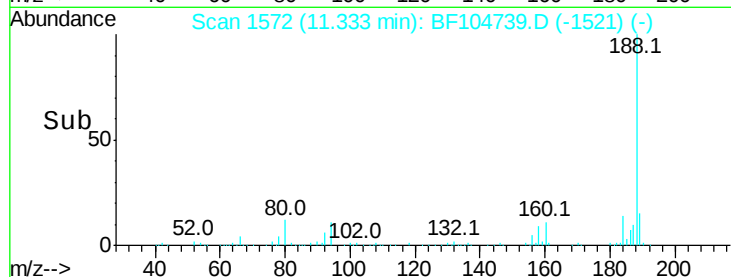
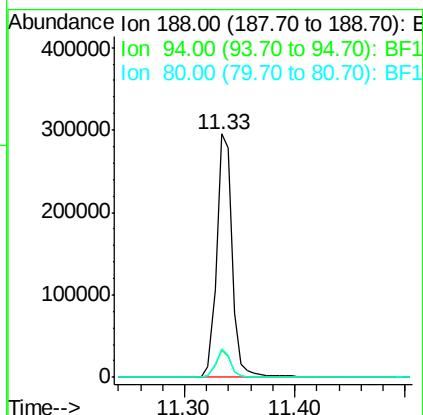
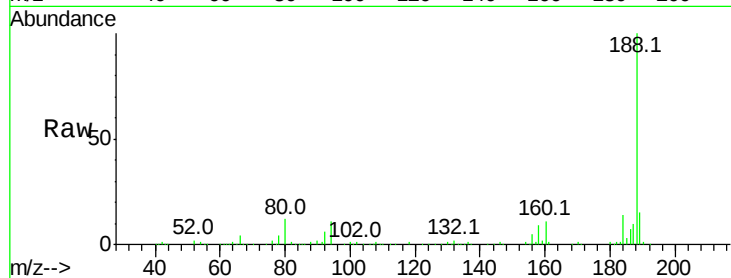




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: BF104739.D
 Acq: 24 Apr 2018 6:31

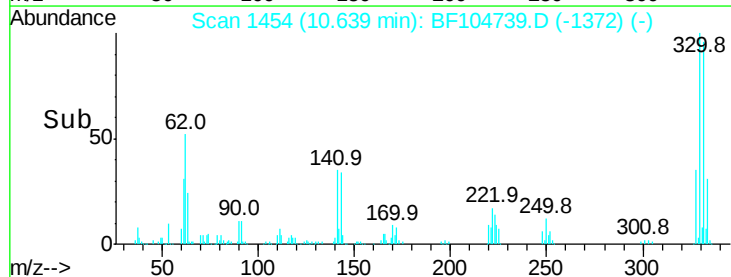
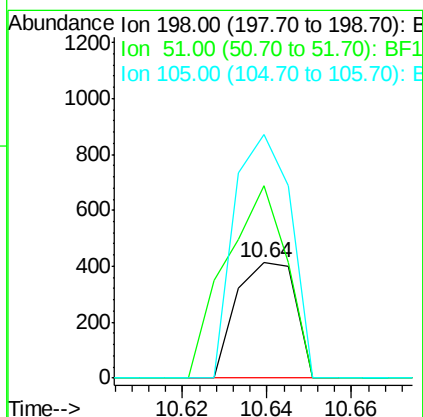
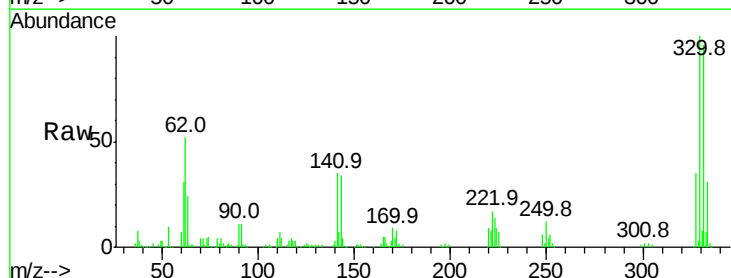
Instrument :
 BNA_F
 ClientSampleId :

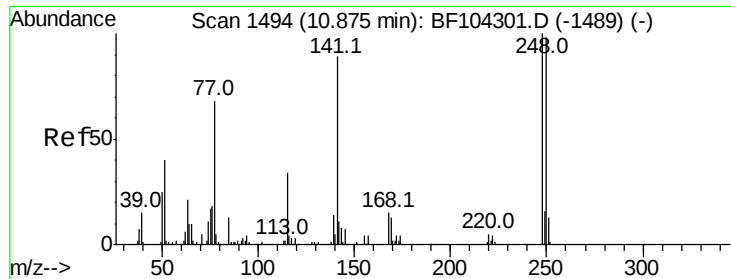
Tot Ion:188 Resp: 288783
 Ion Ratio Lower Upper
 188 100
 94 11.4 8.5 12.7
 80 11.9 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.589 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.18 min
 Lab File: BF104739.D
 Acq: 24 Apr 2018 6:31

Tgt Ion:198 Resp: 401
 Ion Ratio Lower Upper
 198 100
 51 166.6 37.7 77.7#
 105 210.9 36.3 76.3#

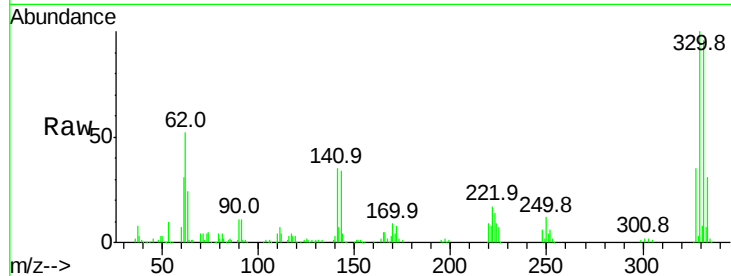




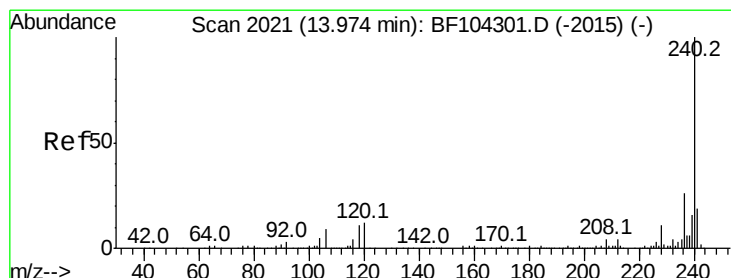
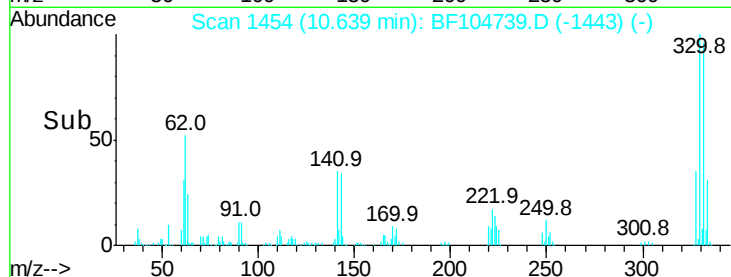
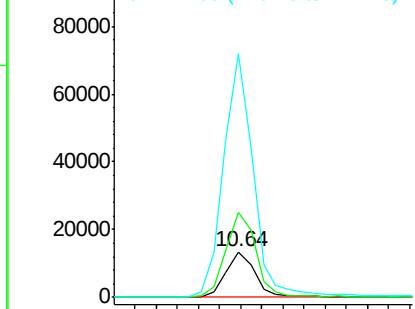
#66
4-Bromophenyl-phenylether
Concen: 4.165 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.24 min
Lab File: BF104739.D
Acq: 24 Apr 2018 6:31

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 12793
Ion Ratio Lower Upper
248 100
250 187.9 76.9 115.3#
141 536.2 74.4 111.6#

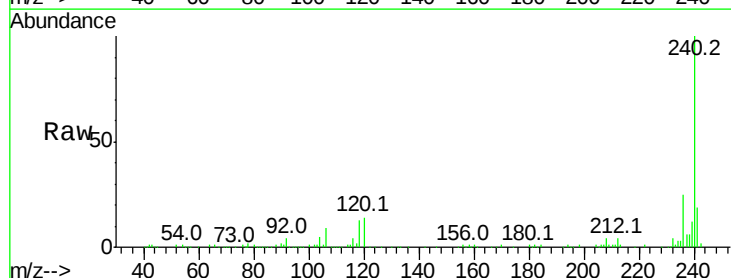


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

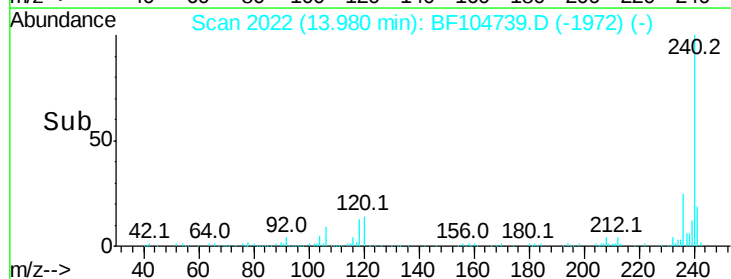
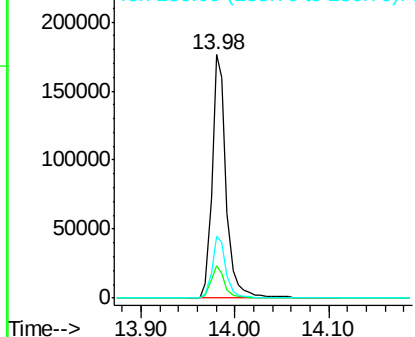


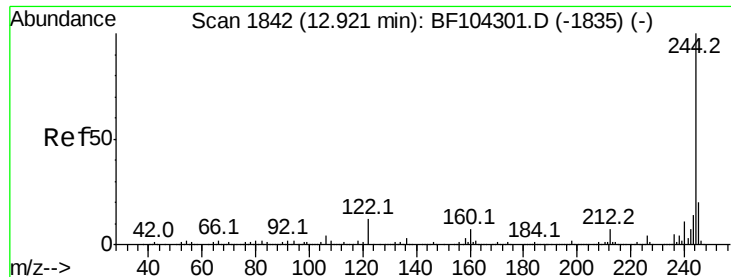
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF104739.D
Acq: 24 Apr 2018 6:31

Tgt Ion:240 Resp: 188586
Ion Ratio Lower Upper
240 100
120 13.5 9.5 14.3
236 25.3 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

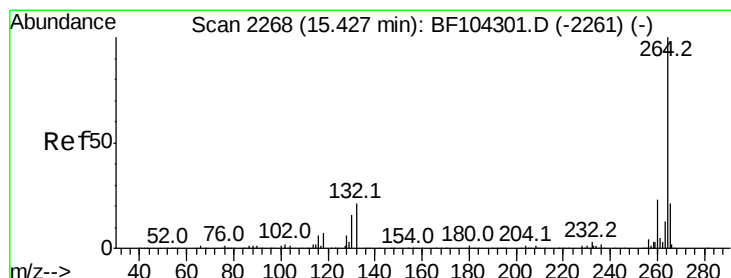
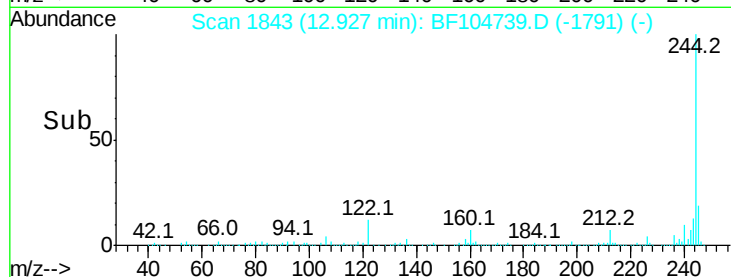
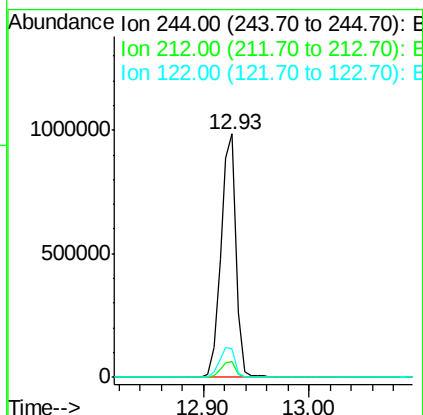
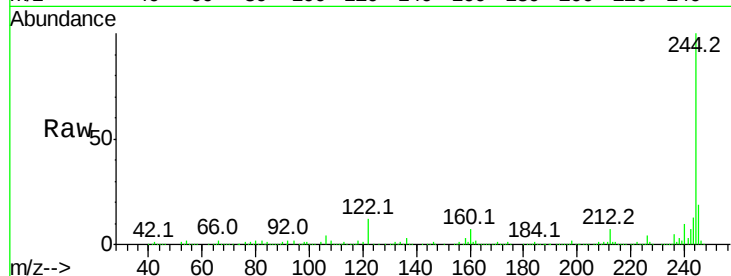




#78
 Terphenyl-d14
 Concen: 119.691 ng
 RT: 12.93 min Scan# 1843
 Delta R.T. 0.01 min
 Lab File: BF104739.D
 Acq: 24 Apr 2018 6:31

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 990075
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.0
 122 11.5 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: BF104739.D
 Acq: 24 Apr 2018 6:31

Tgt Ion:264 Resp: 138413
 Ion Ratio Lower Upper
 264 100
 260 22.8 19.2 28.8
 265 21.1 17.5 26.3

