

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
 Data File : BF104733.D
 Acq On : 24 Apr 2018 3:53
 Operator : JU/SJ
 Sample : J2494-05
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 24 05:25:58 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

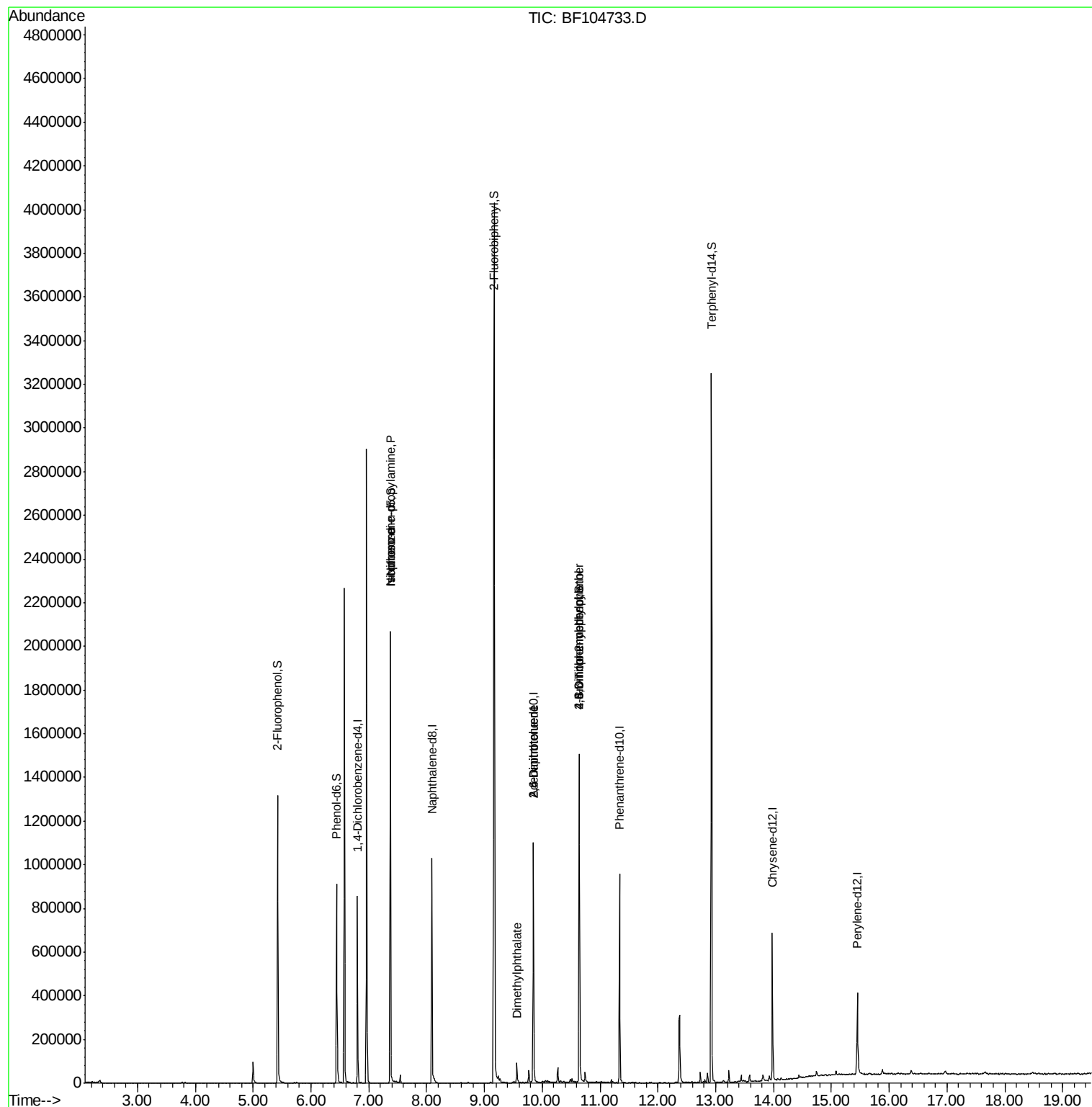
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	117763	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	491479	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	217846	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	360691	20.00	ng	0.00
75) Chrysene-d12	13.98	240	228264	20.00	ng	0.00
86) Perylene-d12	15.45	264	170759	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	375640	48.77	ng	0.00
7) Phenol-d6	6.45	99	295386	31.22	ng	0.00
23) Nitrobenzene-d5	7.37	82	785349	104.34	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	204368	90.44	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1354035	98.19	ng	0.00
78) Terphenyl-d14	12.93	244	1190665	118.92	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	102292	16.542	ng	# 73
25) Isophorone	7.37	82	785338	49.342	ng	# 64
49) Dimethylphthalate	9.56	163	39953	2.326	ng	# 99
50) 2,6-Dinitrotoluene	9.85	165	26857	8.449	ng	# 25
56) 2,4-Dinitrotoluene	9.85	165	26857	6.441	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.64	198	403	7.541	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	12038	3.138	ng	# 1
76) Benzidine	12.93	184	15435	Below Cal		# 95

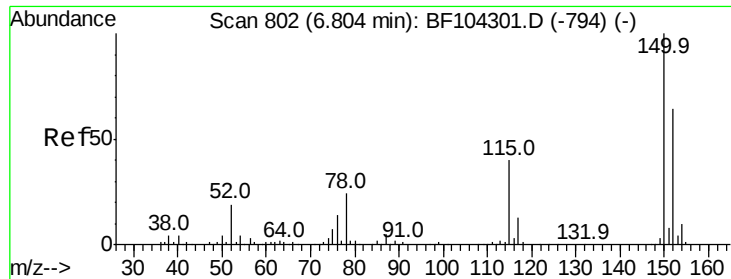
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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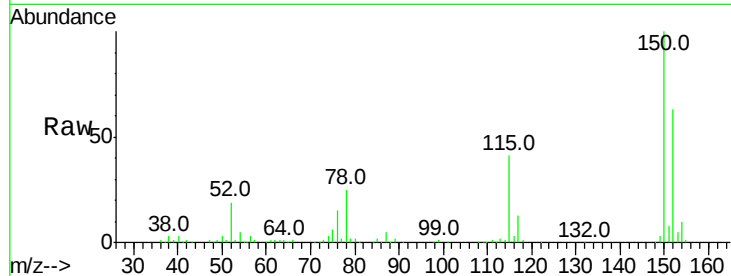


#1

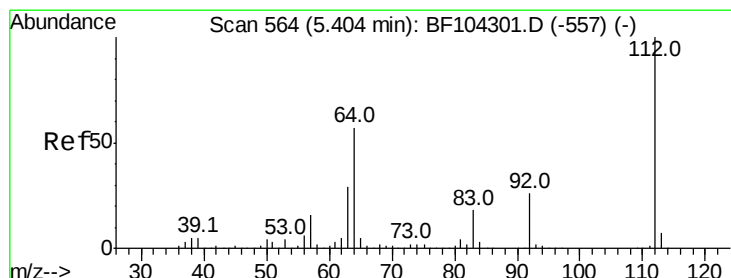
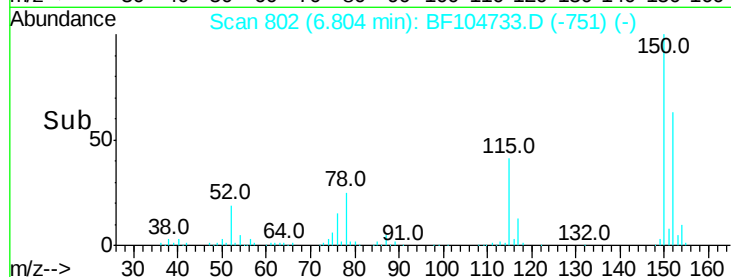
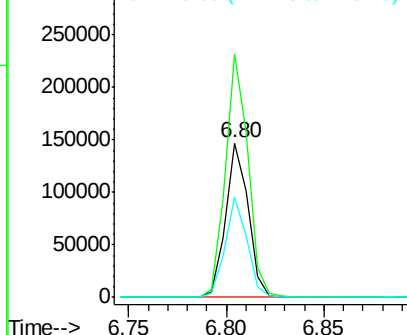
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104733.D
Acq: 24 Apr 2018 3:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 117763
Ion Ratio Lower Upper
152 100
150 158.1 124.6 186.8
115 64.8 50.1 75.1



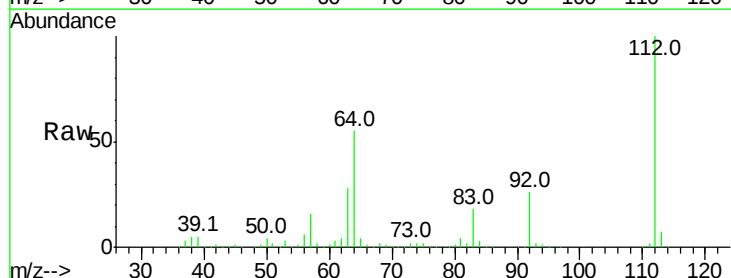
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



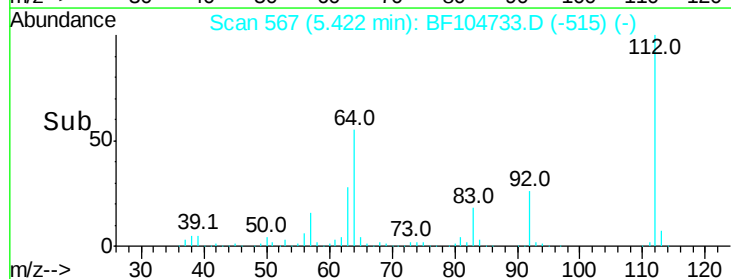
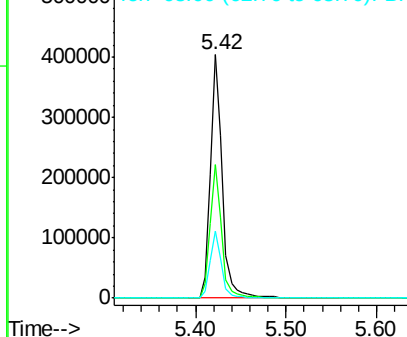
#5

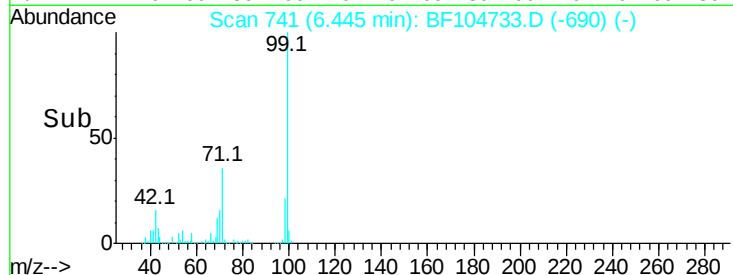
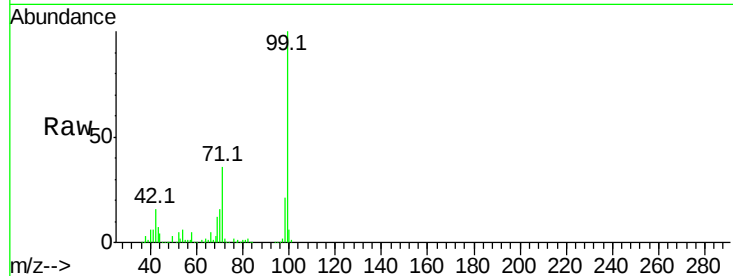
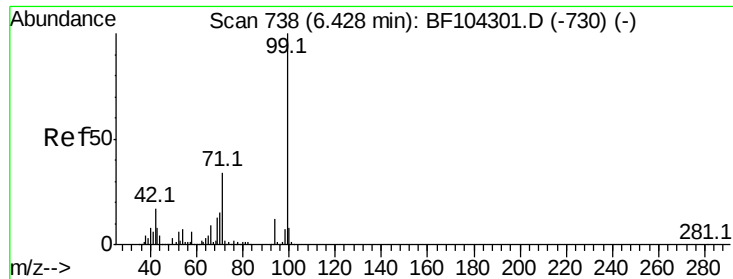
2-Fluorophenol
Concen: 48.774 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104733.D
Acq: 24 Apr 2018 3:53

Tgt Ion:112 Resp: 375640
Ion Ratio Lower Upper
112 100
64 54.8 47.9 71.9
63 27.5 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: 31.215 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF104733.D

Acq: 24 Apr 2018 3:53

Instrument :

BNA_F

ClientSampleId :

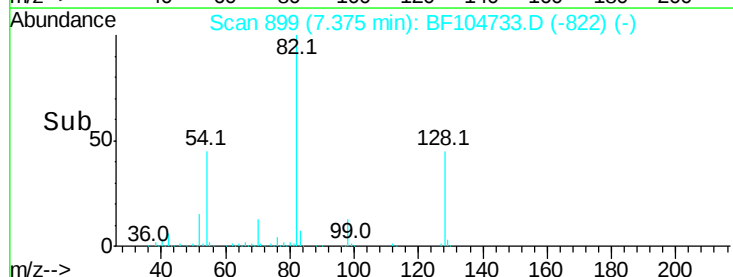
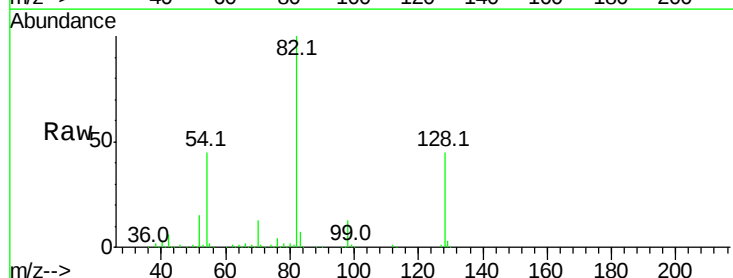
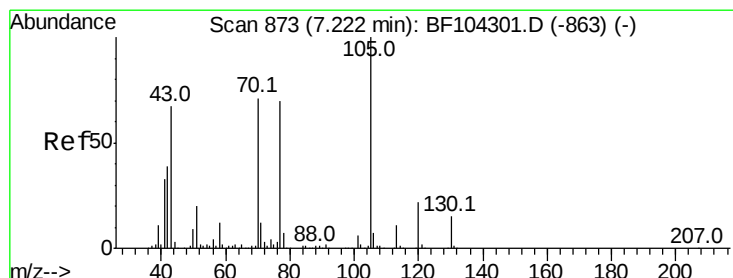
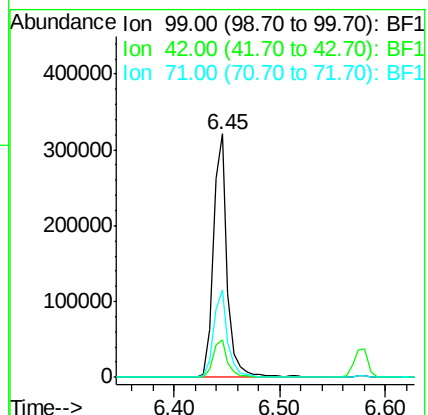
Tot Ion: 99 Resp: 295386

Ion Ratio Lower Upper

99 100

42 15.6 14.5 21.7

71 36.0 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 16.542 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104733.D

Acq: 24 Apr 2018 3:53

Tgt Ion: 70 Resp: 102292

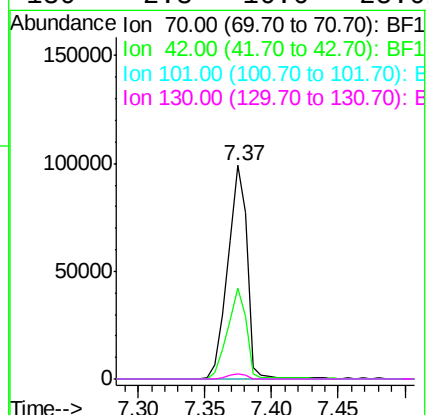
Ion Ratio Lower Upper

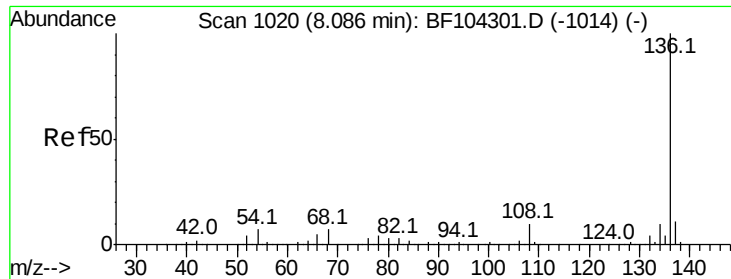
70 100

42 42.7 47.5 71.3#

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

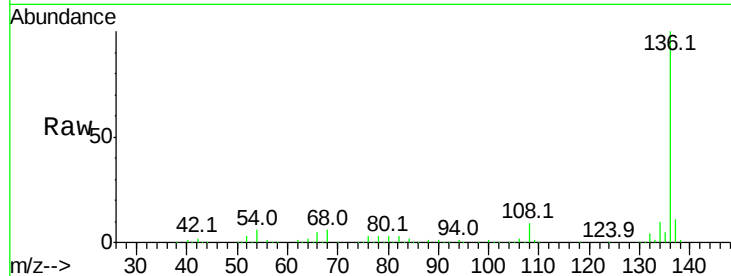




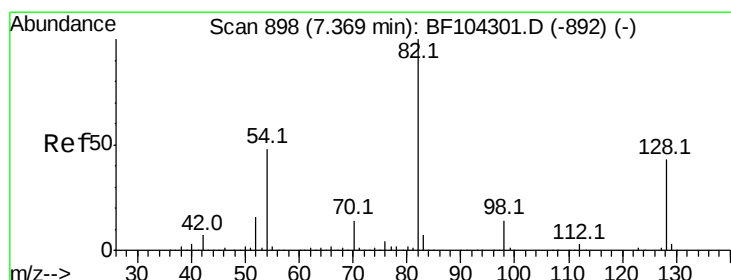
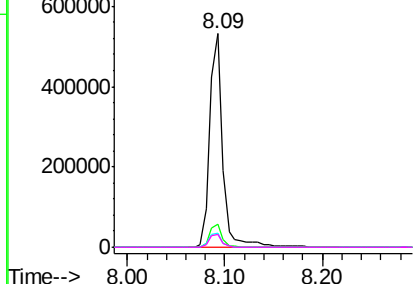
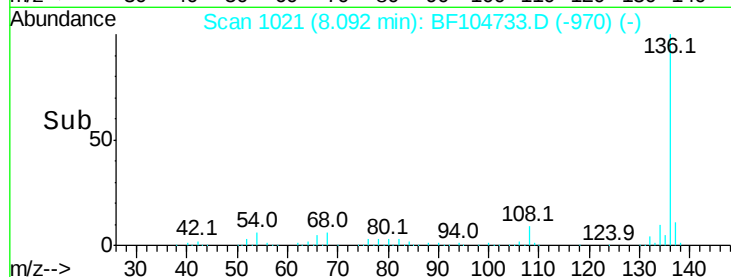
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BF104733.D
Acq: 24 Apr 2018 3:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	491479
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.9	13.3
54	6.5	6.6	9.8#
68	6.1	5.0	7.4

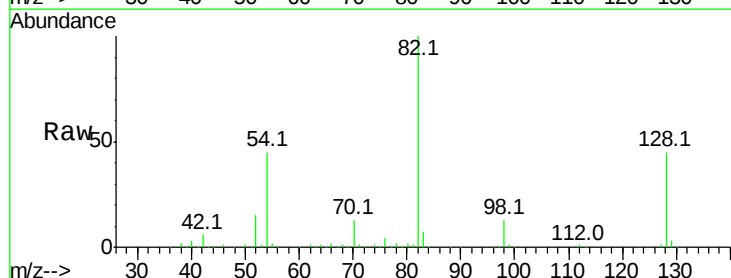


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

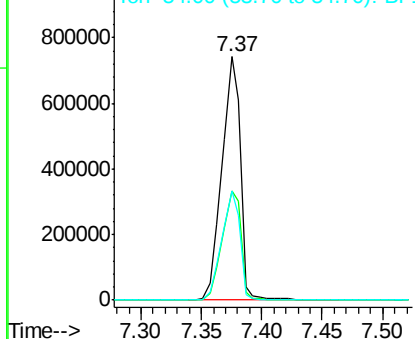
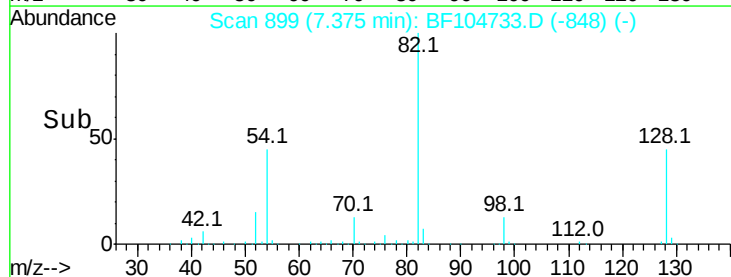


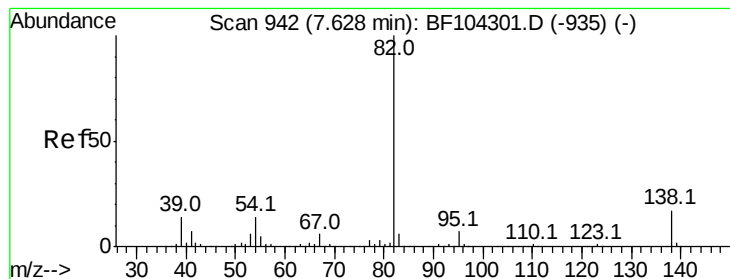
#23
Nitrobenzene-d5
Concen: 104.342 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.00 min
Lab File: BF104733.D
Acq: 24 Apr 2018 3:53

Tgt Ion:	82	Resp:	785349
Ion	Ratio	Lower	Upper
82	100		
128	44.7	36.1	54.1
54	44.9	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: 49.342 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.25 min

Lab File: BF104733.D

Acq: 24 Apr 2018 3:53

Instrument :

BNA_F

ClientSampleId :

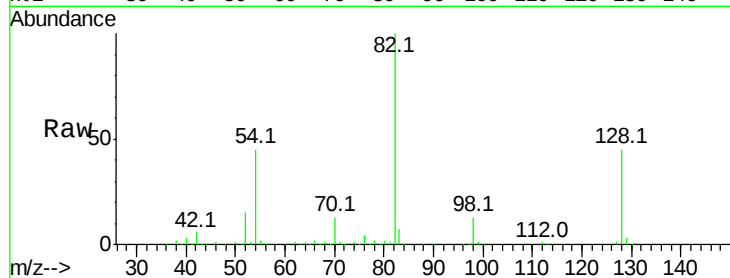
Tot Ion: 82 Resp: 785338

Ion Ratio Lower Upper

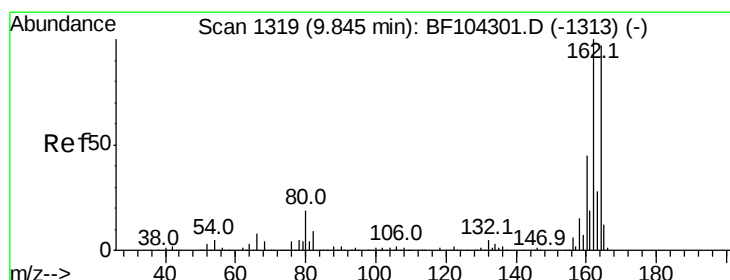
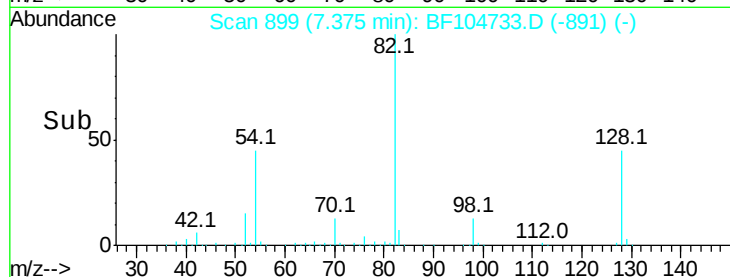
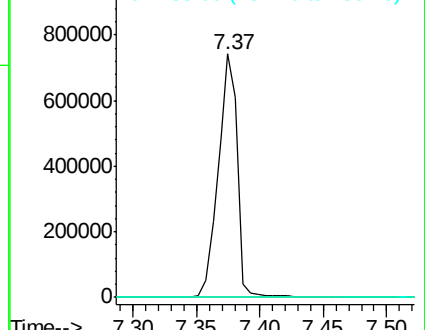
82 100

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: BF104733.D

Acq: 24 Apr 2018 3:53

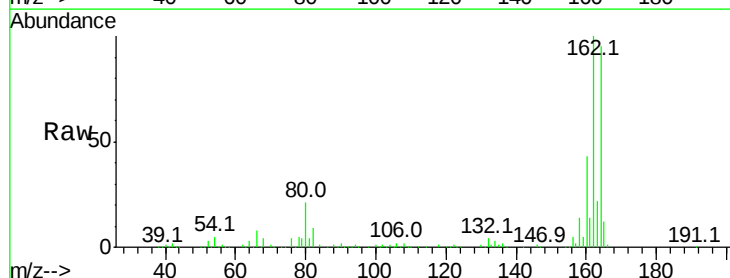
Tgt Ion:164 Resp: 217846

Ion Ratio Lower Upper

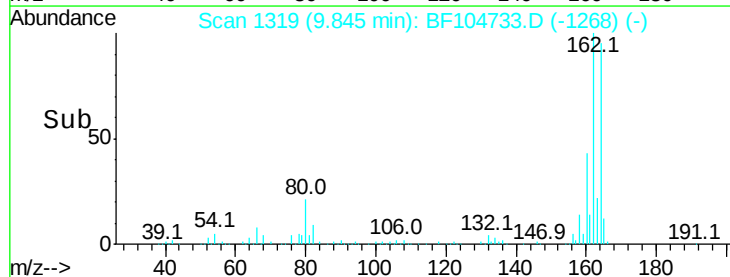
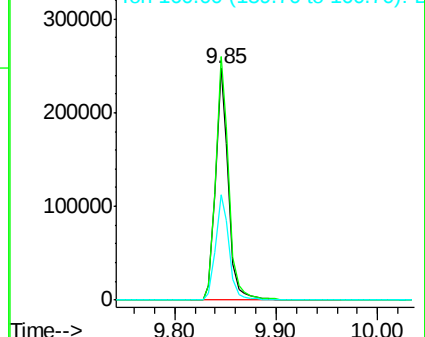
164 100

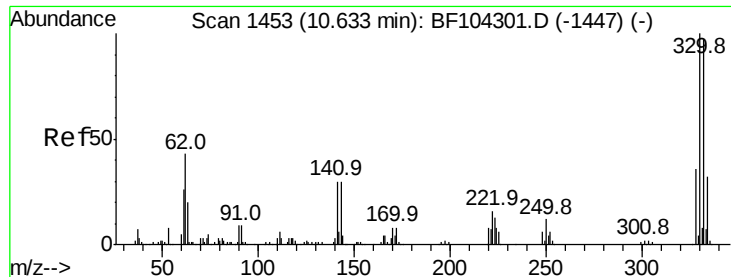
162 105.1 86.1 129.1

160 45.2 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

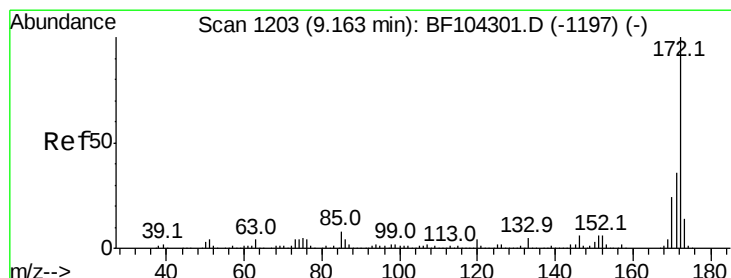
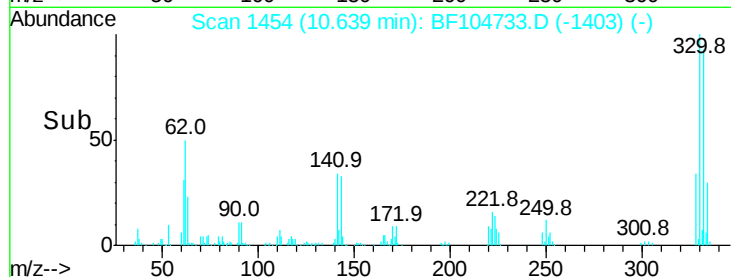
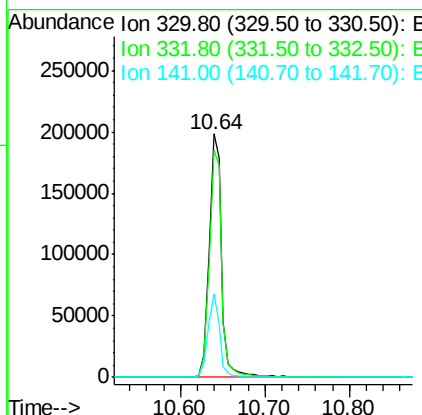
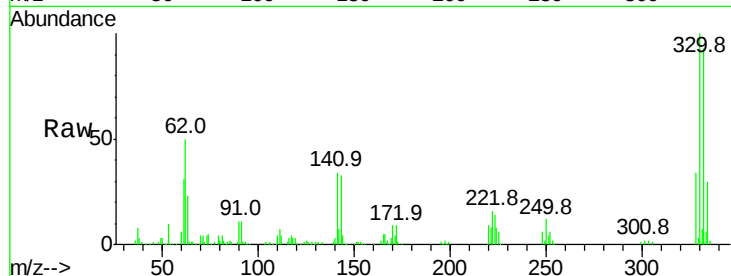




#41
 2,4,6-Tribromophenol
 Concen: 90.437 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.00 min
 Lab File: BF104733.D
 Acq: 24 Apr 2018 3:53

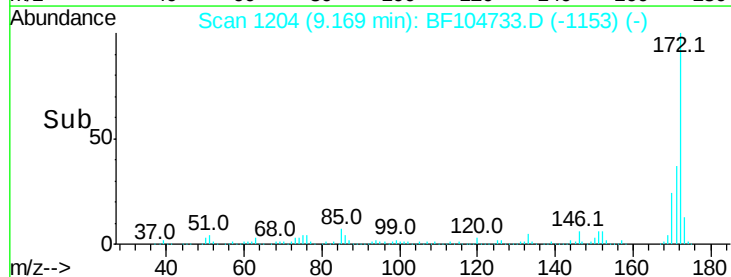
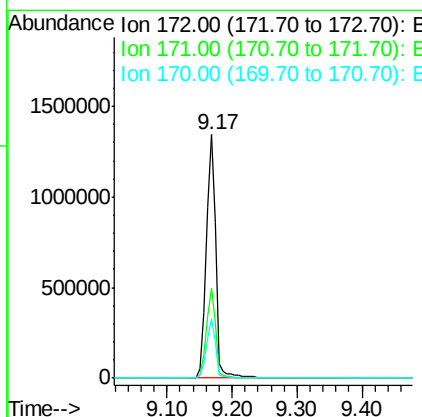
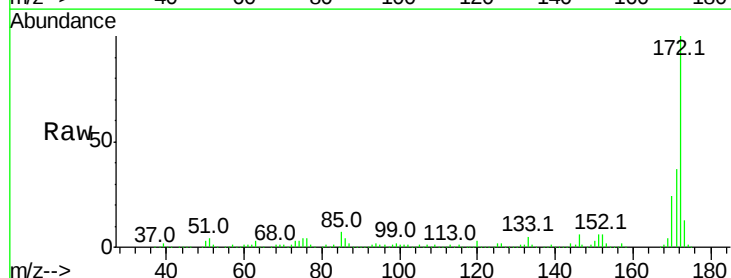
Instrument :
 BNA_F
 ClientSampleId :

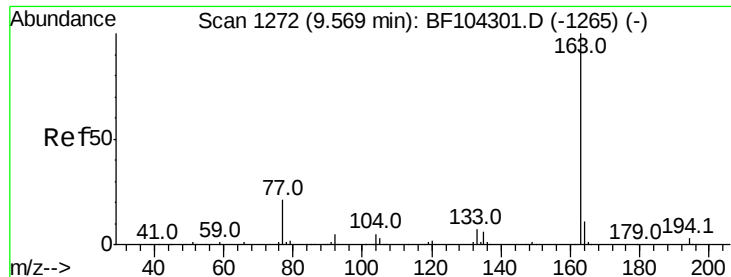
Tot Ion:330 Resp: 204368
 Ion Ratio Lower Upper
 330 100
 332 93.8 77.0 115.6
 141 32.1 29.9 44.9



#44
 2-Fluorobiphenyl
 Concen: 98.190 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF104733.D
 Acq: 24 Apr 2018 3:53

Tgt Ion:172 Resp: 1354035
 Ion Ratio Lower Upper
 172 100
 171 36.8 29.7 44.5
 170 24.4 19.6 29.4

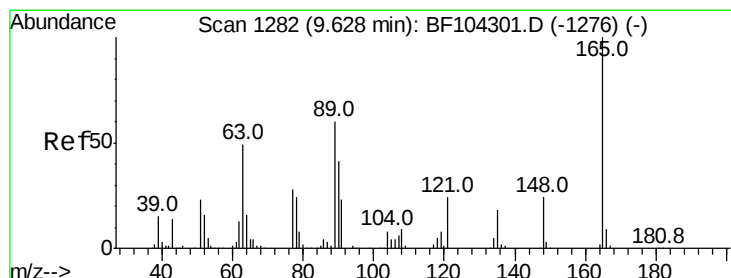
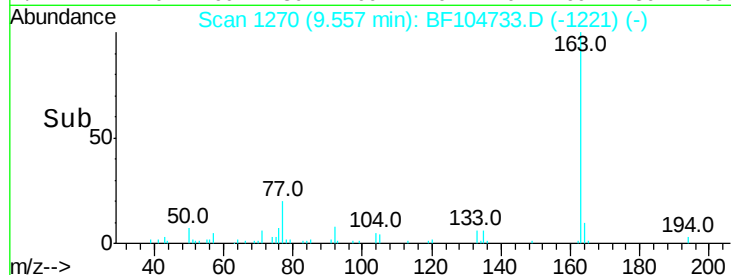
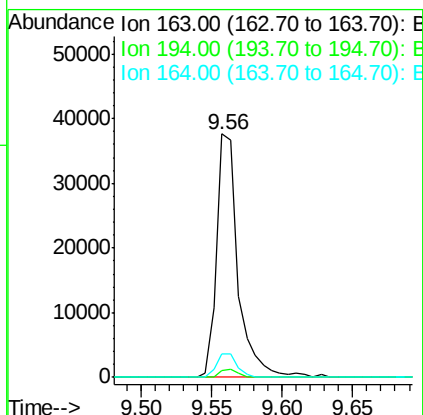
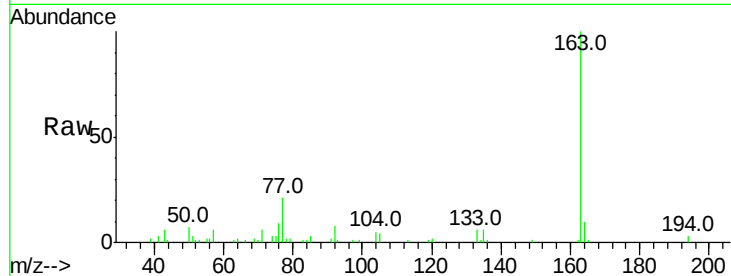




#49
Dimethylphthalate
Concen: 2.326 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.01 min
Lab File: BF104733.D
Acq: 24 Apr 2018 3:53

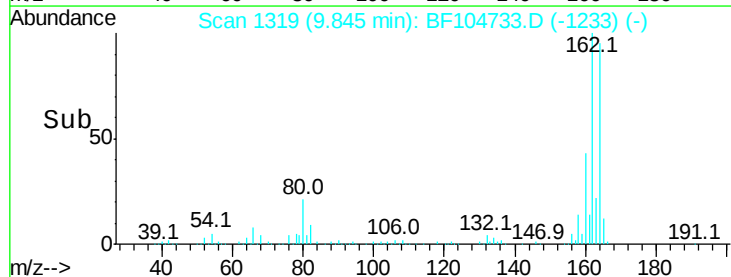
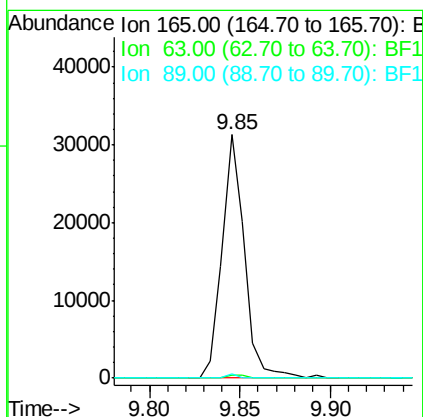
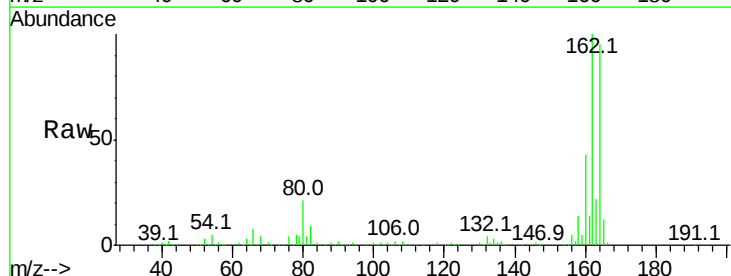
Instrument :
BNA_F
ClientSampleId :

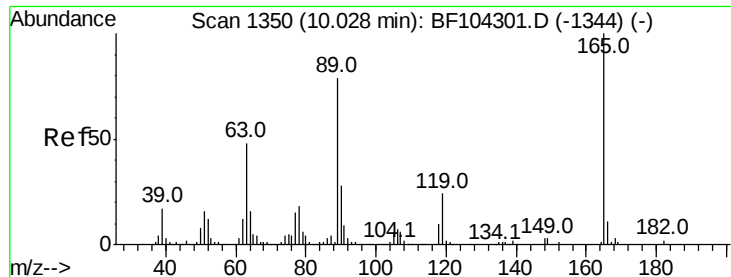
Tot Ion	Ratio	Lower	Upper
163	100		
194	2.9	2.7	4.1
164	9.8	8.2	12.2



#50
2,6-Dinitrotoluene
Concen: 8.449 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.21 min
Lab File: BF104733.D
Acq: 24 Apr 2018 3:53

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	44.7	67.1#
89	1.6	44.0	66.0#

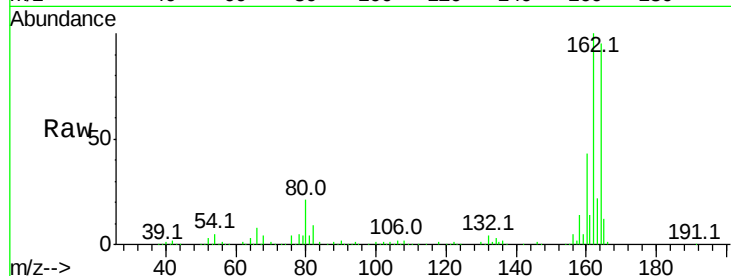




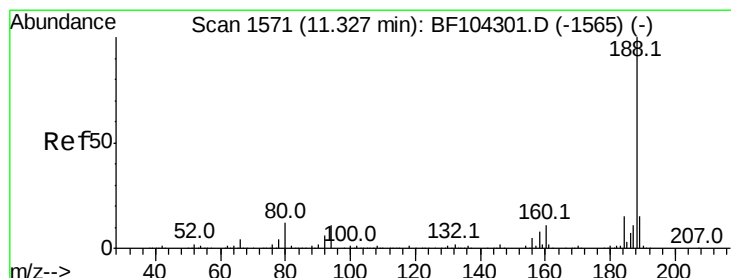
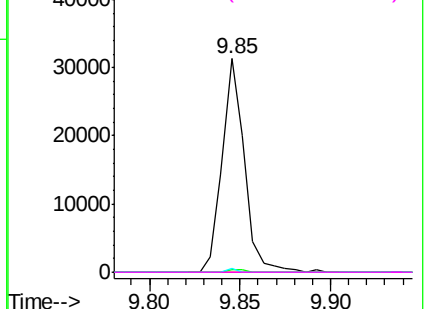
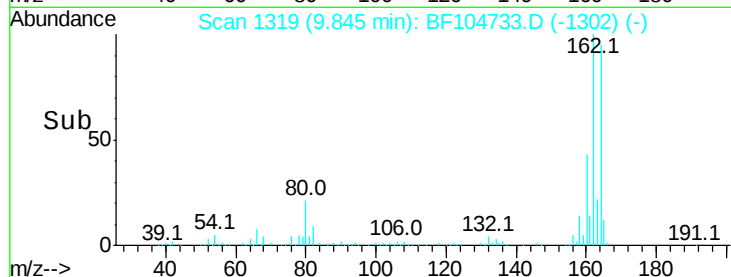
#56
2,4-Dinitrotoluene
Concen: 6.441 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.20 min
Lab File: BF104733.D
Acq: 24 Apr 2018 3:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	36.4	54.6#
89	1.6	57.8	86.6#
182	0.0	1.6	2.4#

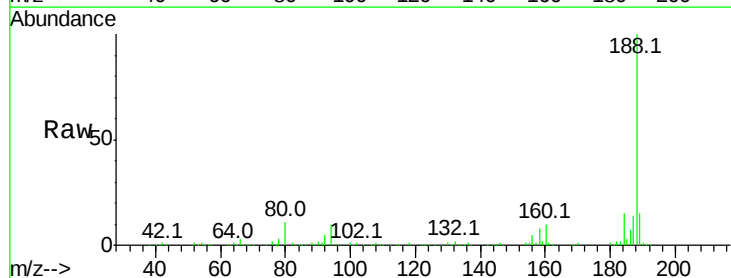


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

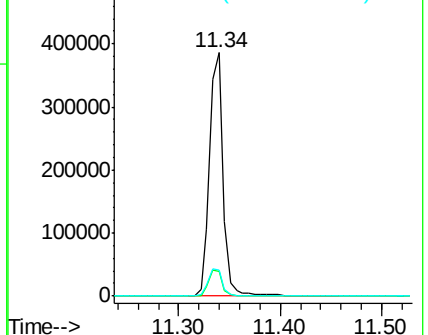
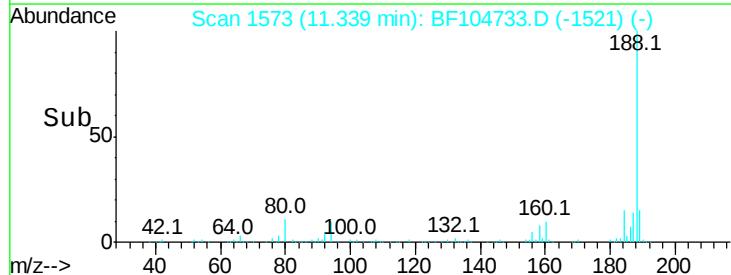


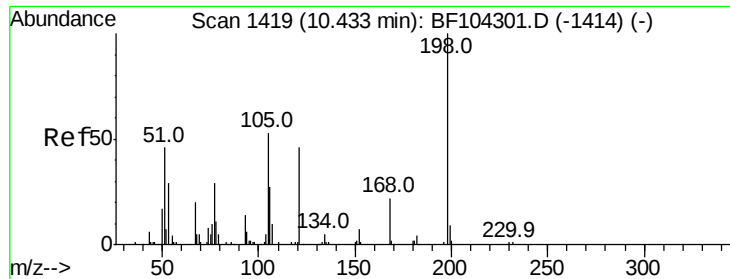
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. 0.01 min
Lab File: BF104733.D
Acq: 24 Apr 2018 3:53

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.1	8.5	12.7
80	10.6	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

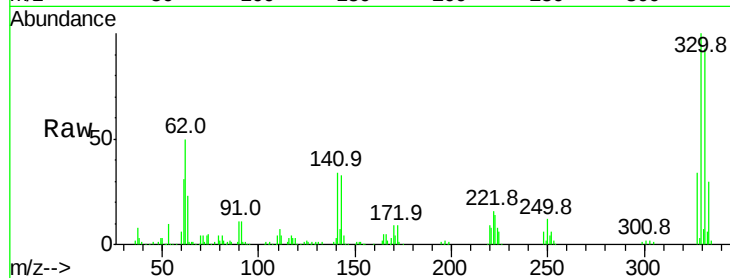




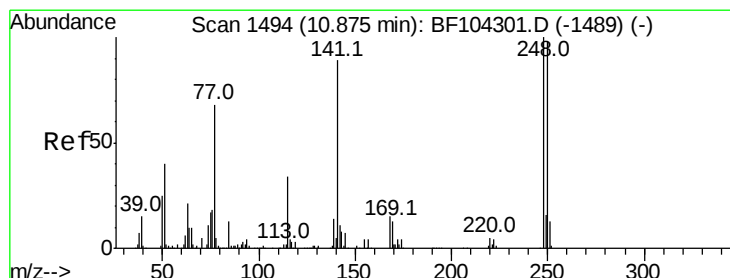
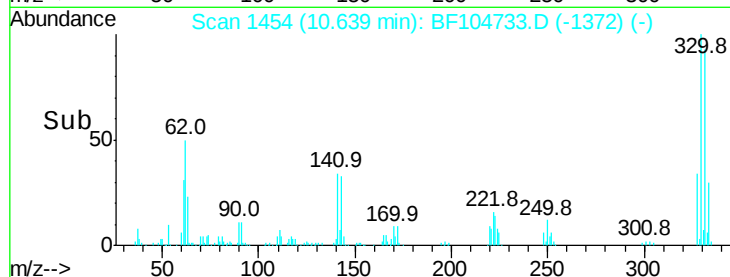
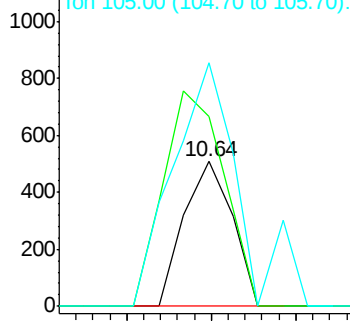
#64
4,6-Dinitro-2-methylphenol
Concen: 7.541 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.18 min
Lab File: BF104733.D
Acq: 24 Apr 2018 3:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
198	100		
51	131.2	37.7	77.7#
105	168.6	36.3	76.3#

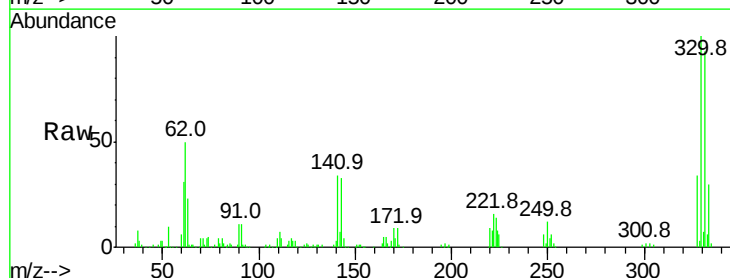


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

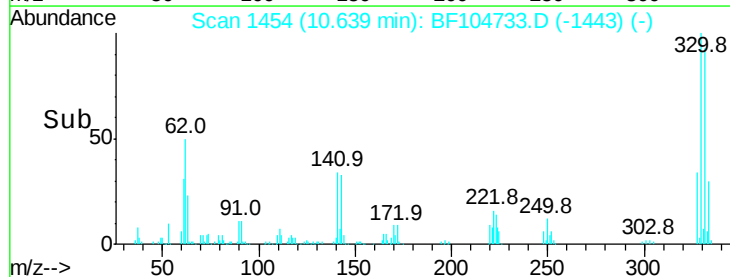
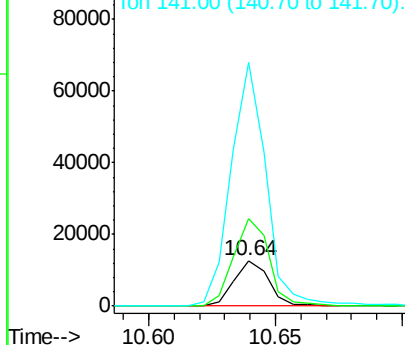


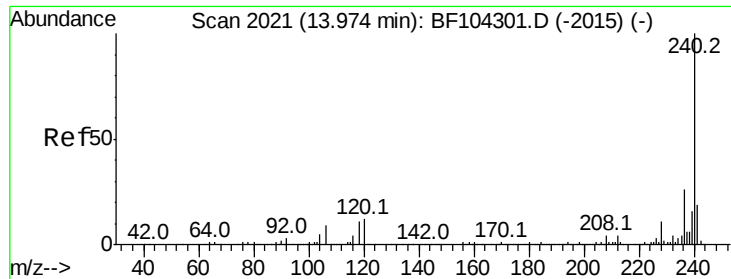
#66
4-Bromophenyl-phenylether
Concen: 3.138 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.24 min
Lab File: BF104733.D
Acq: 24 Apr 2018 3:53

Tgt Ion	Ratio	Lower	Upper
248	100		
250	191.8	76.9	115.3#
141	537.3	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: BF104733.D

Acq: 24 Apr 2018 3:53

Instrument :

BNA_F

ClientSampleId :

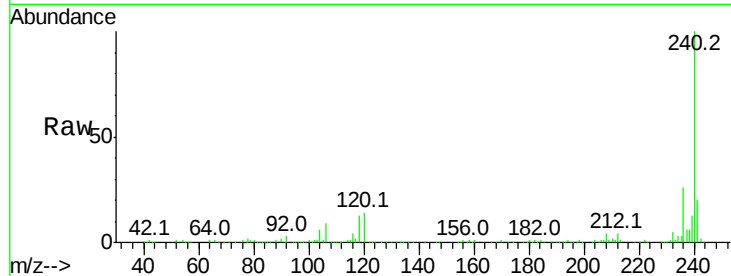
Tot Ion:240 Resp: 228264

Ion Ratio Lower Upper

240 100

120 13.5 9.5 14.3

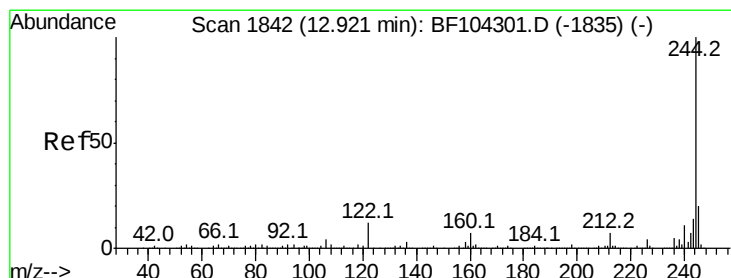
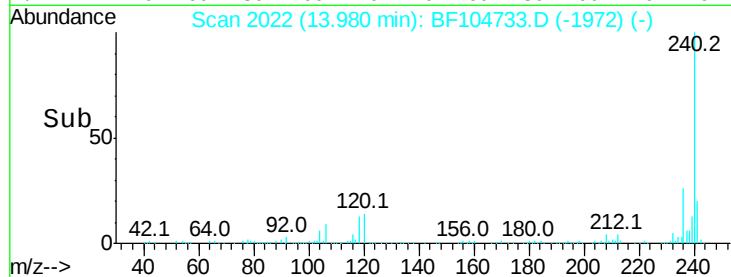
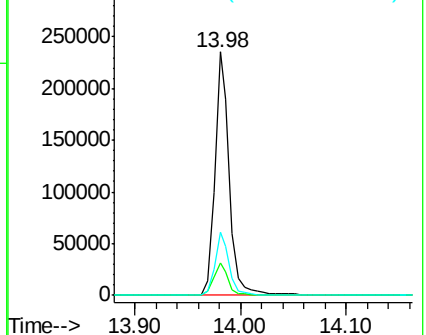
236 25.9 20.7 31.1



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: 118.920 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BF104733.D

Acq: 24 Apr 2018 3:53

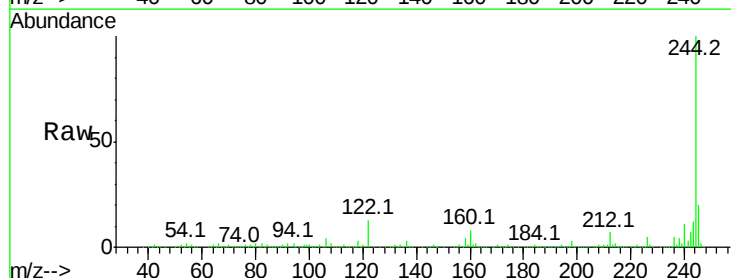
Tgt Ion:244 Resp: 1190665

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

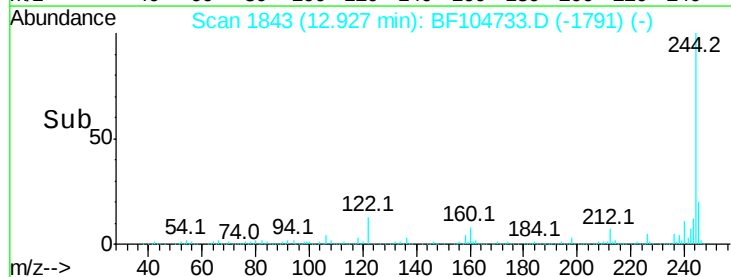
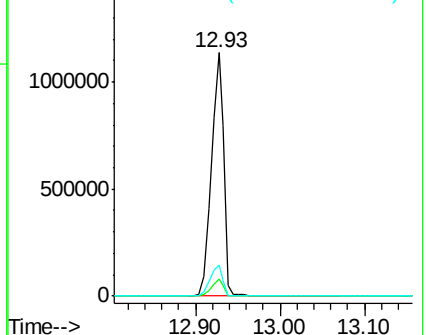
122 13.0 11.0 16.4

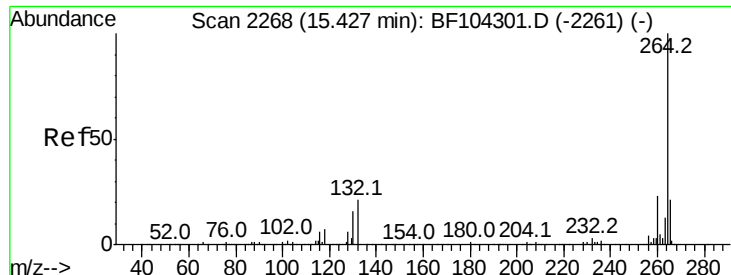


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

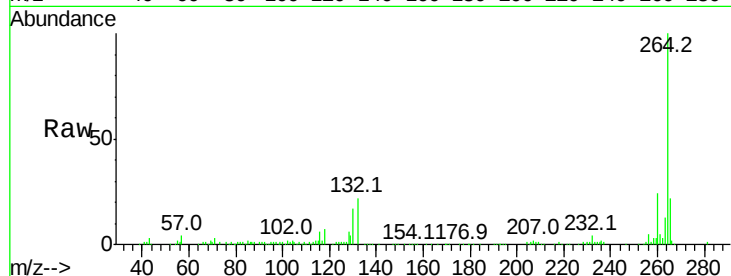




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.45 min Scan# 2272
Delta R.T. -0.00 min
Lab File: BF104733.D
Acq: 24 Apr 2018 3:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:264 Resp: 170759
Ion Ratio Lower Upper
264 100
260 23.7 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

