

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042318\
 Data File : BF104719.D
 Acq On : 23 Apr 2018 19:34
 Operator : JU/SJ
 Sample : J2490-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 24 01:04:02 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

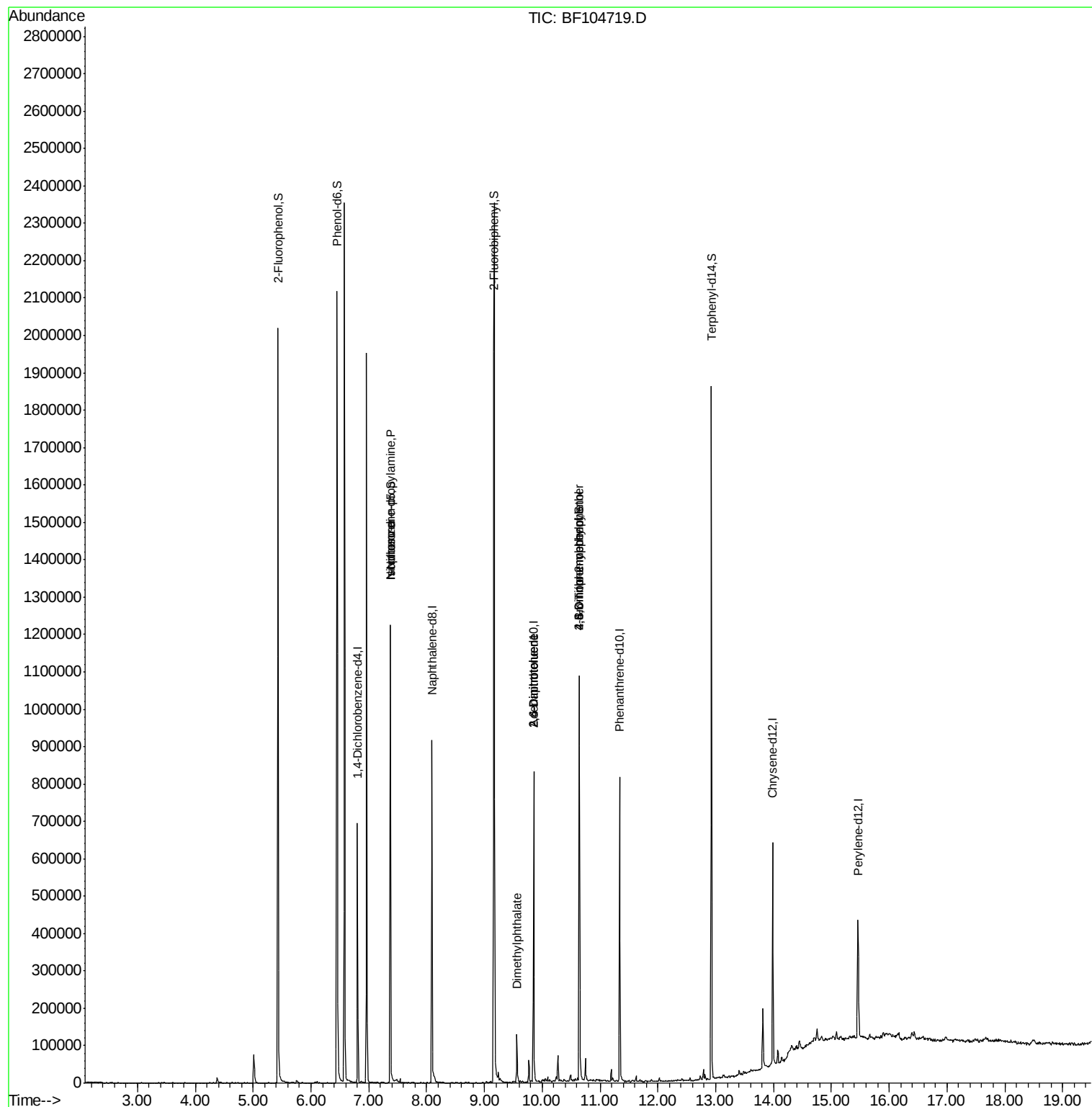
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	108220	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	415877	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	171293	20.00	ng	0.00
63) Phenanthrene-d10	11.34	188	281311	20.00	ng	0.00
75) Chrysene-d12	13.99	240	184881	20.00	ng	0.00
86) Perylene-d12	15.46	264	138547	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	608040	85.91	ng	0.01
7) Phenol-d6	6.45	99	719344	82.72	ng	0.00
23) Nitrobenzene-d5	7.37	82	401005	62.96	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	139467	78.49	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	768438	70.87	ng	0.00
78) Terphenyl-d14	12.93	244	628752	77.53	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	51262	9.021	ng	# 71
25) Isophorone	7.37	82	401002	29.775	ng	# 64
49) Dimethylphthalate	9.56	163	60737	4.496	ng	# 99
50) 2,6-Dinitrotoluene	9.85	165	21597	8.641	ng	# 25
56) 2,4-Dinitrotoluene	9.85	165	21597	6.587	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.65	198	231	7.490	ng	# 9
66) 4-Bromophenyl-phenylether	10.64	248	8824	2.949	ng	# 1
76) Benzidine	12.93	184	7821	Below Cal		# 95

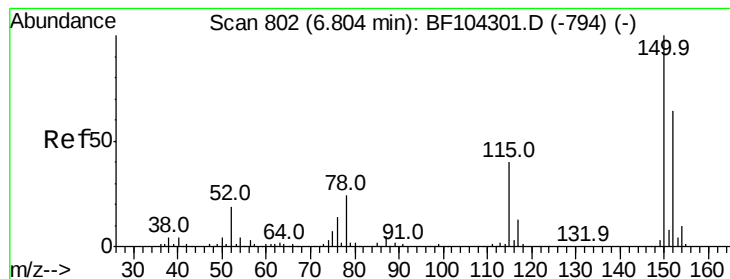
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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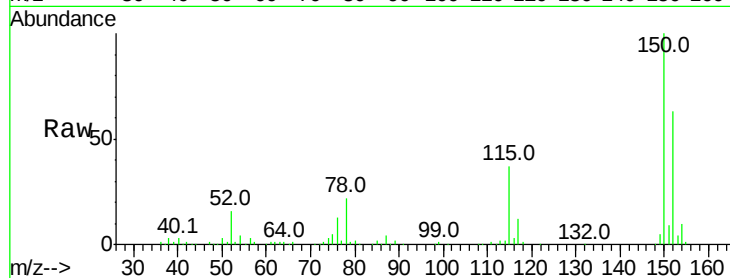


#1

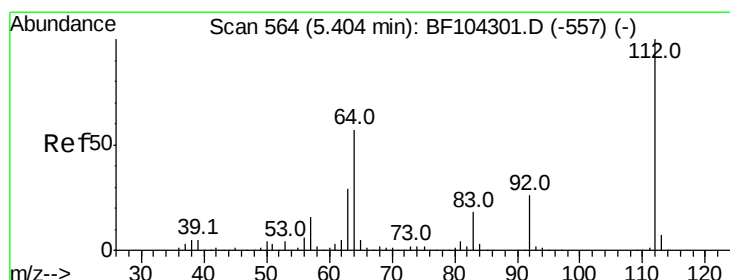
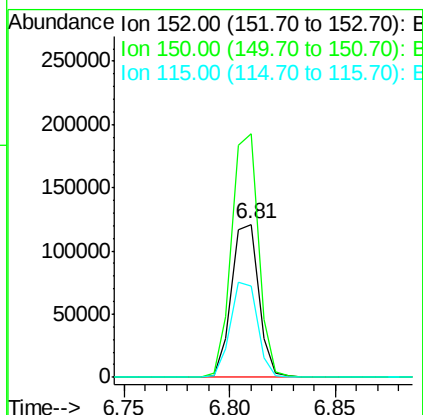
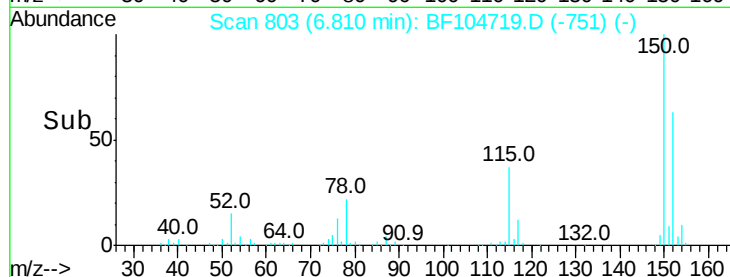
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. 0.01 min
Lab File: BF104719.D
Acq: 23 Apr 2018 19:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 108220
Ion Ratio Lower Upper
152 100
150 158.9 124.6 186.8
115 59.3 50.1 75.1



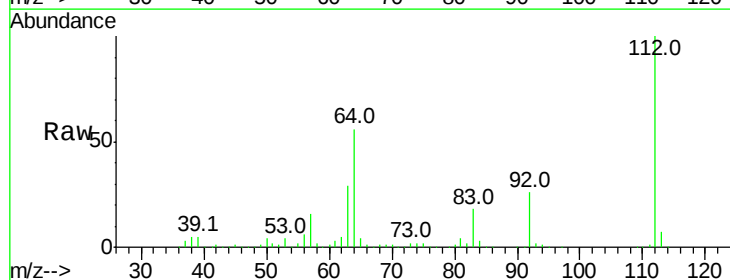
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



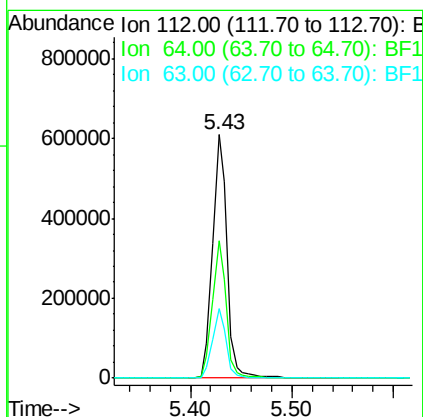
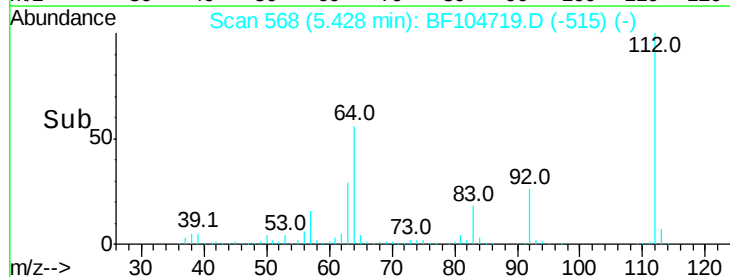
#5

2-Fluorophenol
Concen: 85.911 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF104719.D
Acq: 23 Apr 2018 19:34

Tgt Ion:112 Resp: 608040
Ion Ratio Lower Upper
112 100
64 56.4 47.9 71.9
63 28.5 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: 82.721 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF104719.D

Acq: 23 Apr 2018 19:34

Instrument :

BNA_F

ClientSampled :

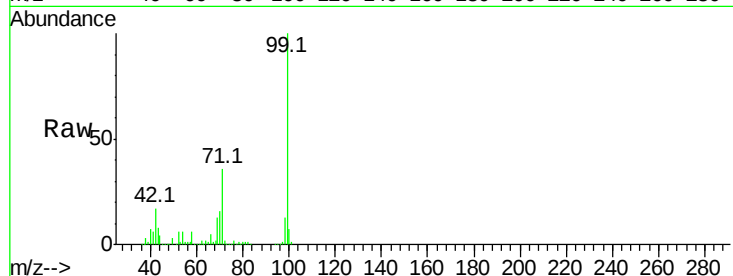
Tot Ion: 99 Resp: 719344

Ion Ratio Lower Upper

99 100

42 16.6 14.5 21.7

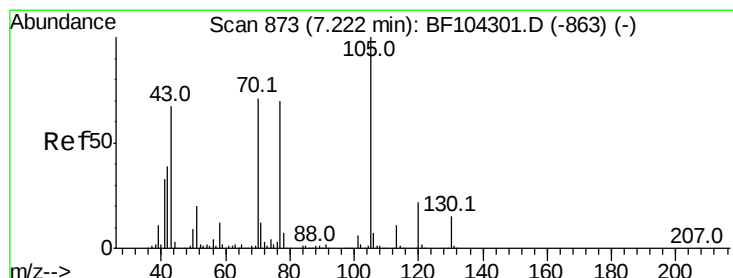
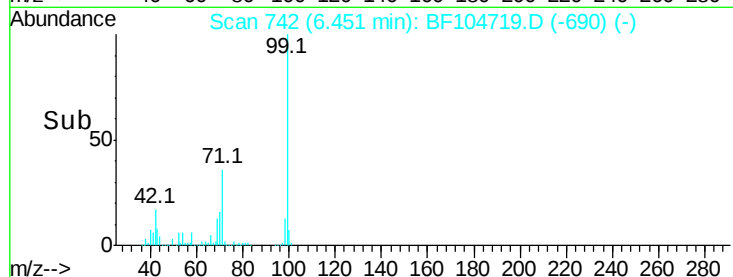
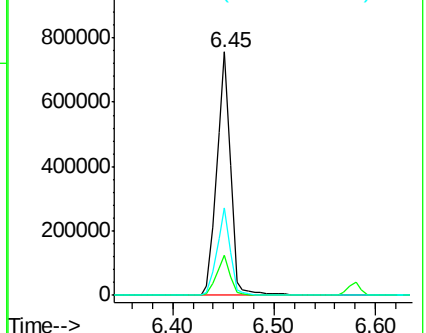
71 35.8 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 9.021 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104719.D

Acq: 23 Apr 2018 19:34

Tgt Ion: 70 Resp: 51262

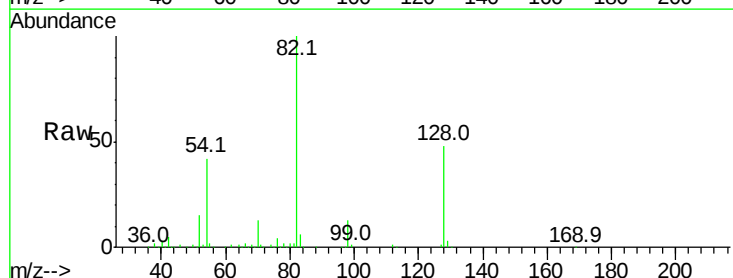
Ion Ratio Lower Upper

70 100

42 39.9 47.5 71.3#

101 0.0 7.4 11.2#

130 2.6 16.6 25.0#

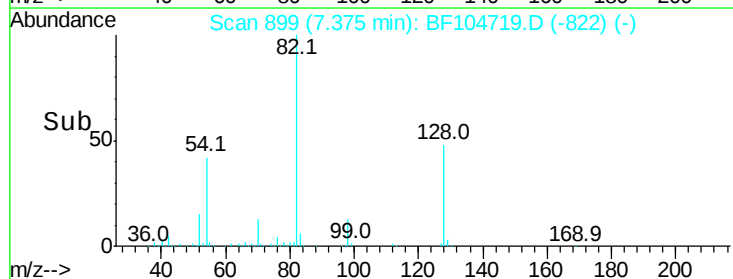
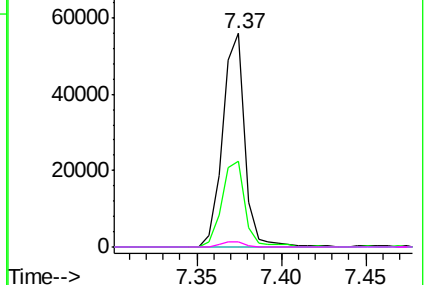


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

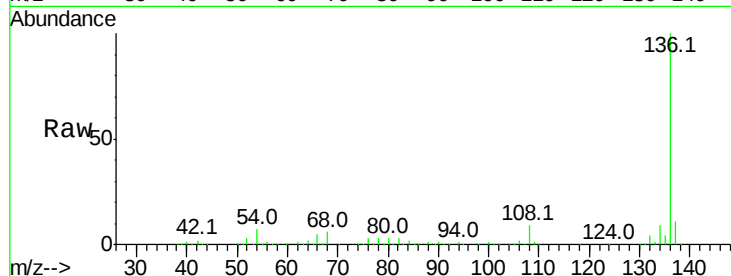




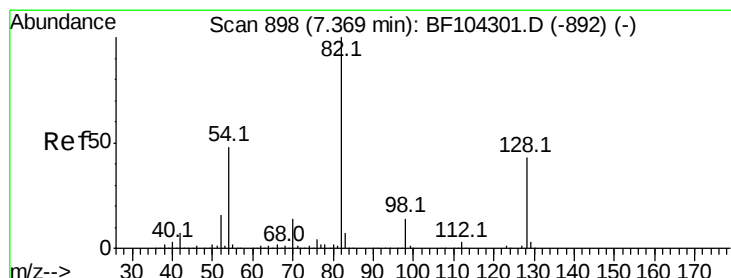
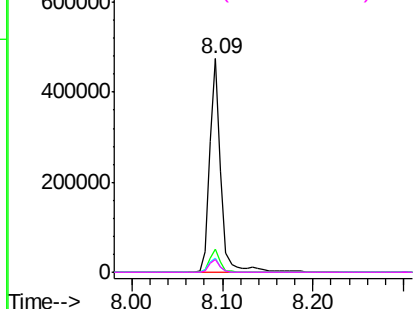
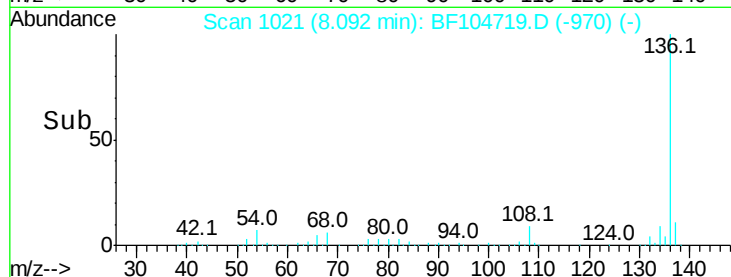
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.00 min
Lab File: BF104719.D
Acq: 23 Apr 2018 19:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	415877	
Ion Ratio	Lower	Upper	
136 100			
137 11.0	8.9	13.3	
54 6.6	6.6	9.8	
68 6.0	5.0	7.4	

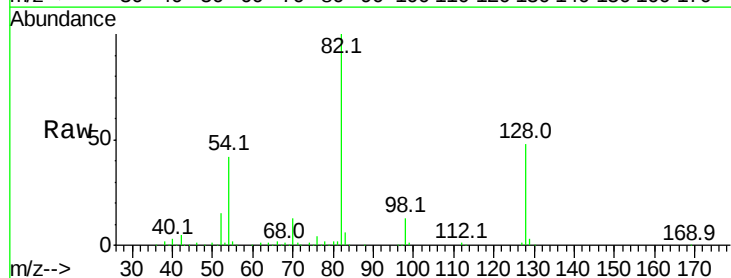


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

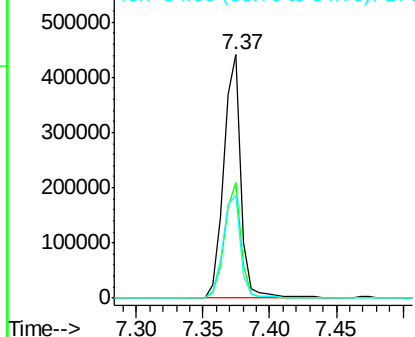
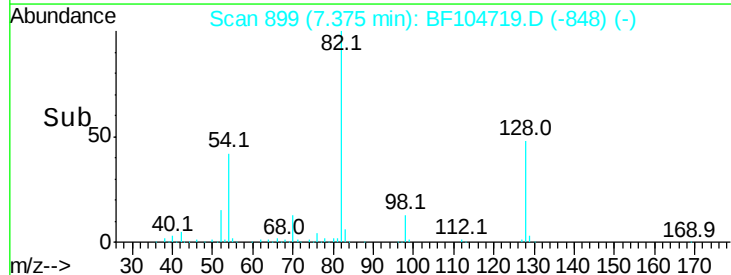


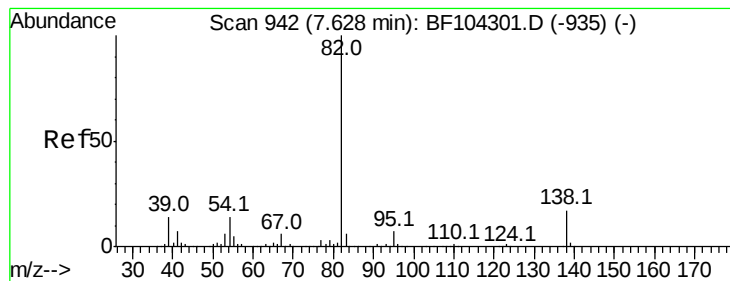
#23
Nitrobenzene-d5
Concen: 62.963 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.00 min
Lab File: BF104719.D
Acq: 23 Apr 2018 19:34

Tgt	Ion: 82	Resp:	401005
Ion	Ratio	Lower	Upper
82	100		
128	47.7	36.1	54.1
54	42.1	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: 29.775 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.25 min

Lab File: BF104719.D

Acq: 23 Apr 2018 19:34

Instrument :

BNA_F

ClientSampled :

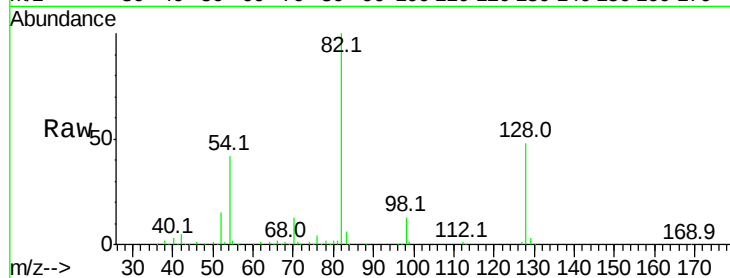
Tot Ion: 82 Resp: 401002

Ion Ratio Lower Upper

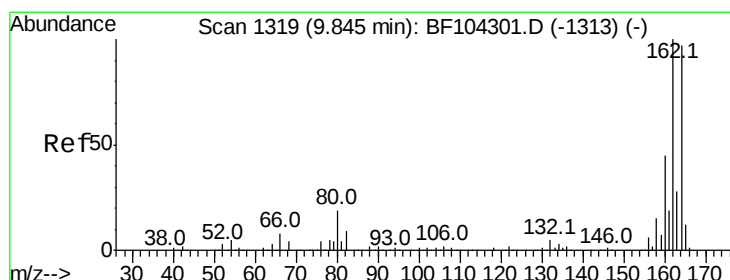
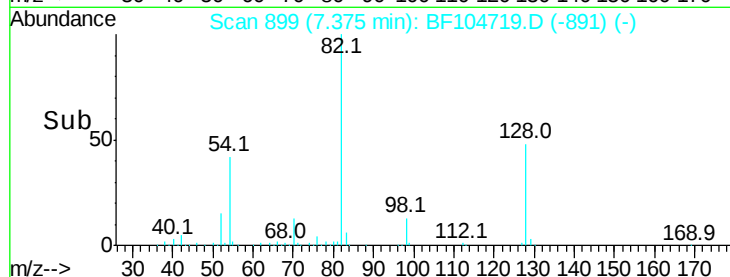
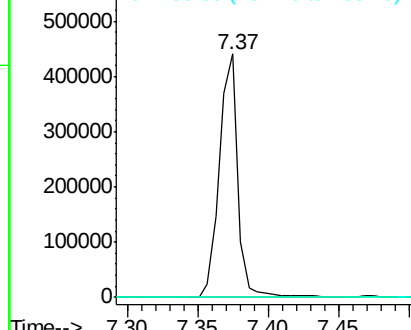
82 100

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# 1320

Delta R.T. 0.01 min

Lab File: BF104719.D

Acq: 23 Apr 2018 19:34

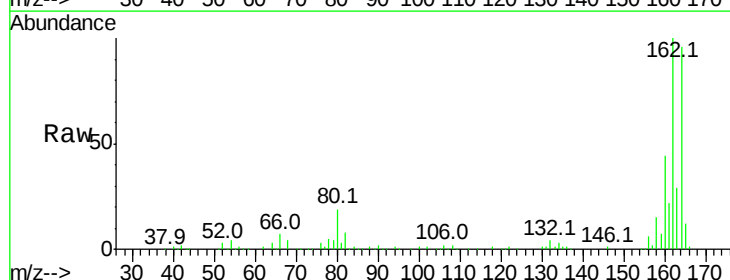
Tgt Ion: 164 Resp: 171293

Ion Ratio Lower Upper

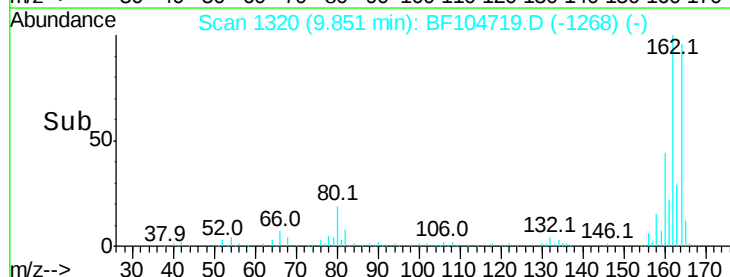
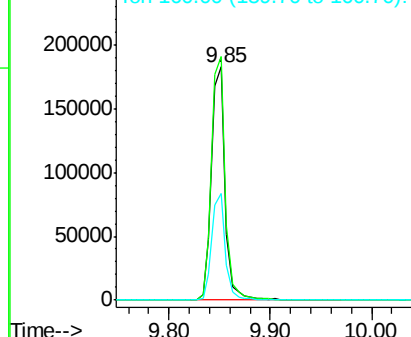
164 100

162 104.5 86.1 129.1

160 45.9 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

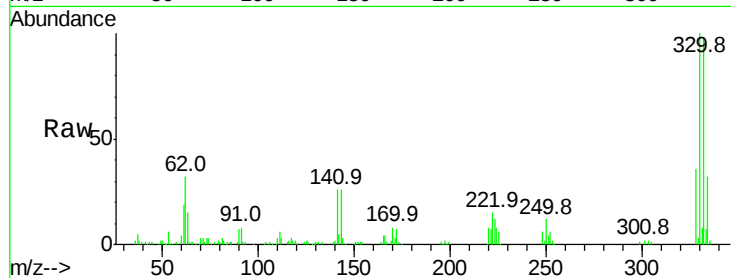




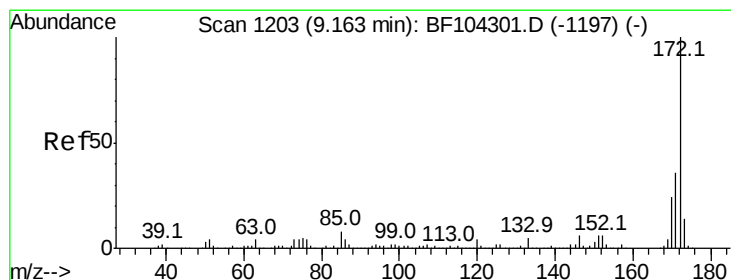
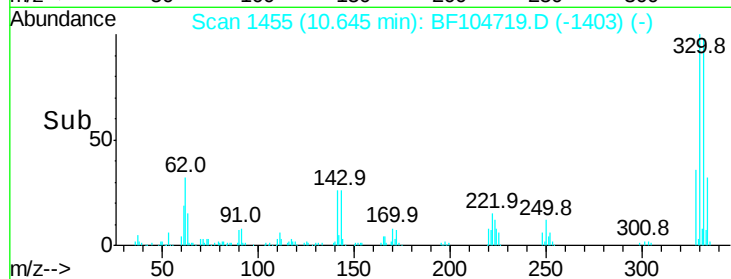
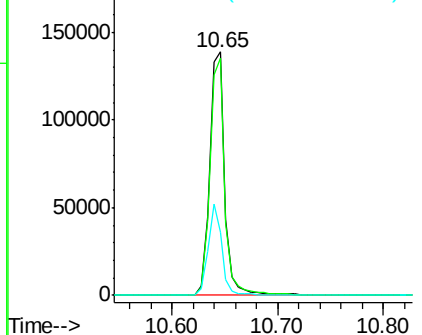
#41
 2,4,6-Tribromophenol
 Concen: 78.490 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.01 min
 Lab File: BF104719.D
 Acq: 23 Apr 2018 19:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.5	77.0	115.6
141	34.1	29.9	44.9

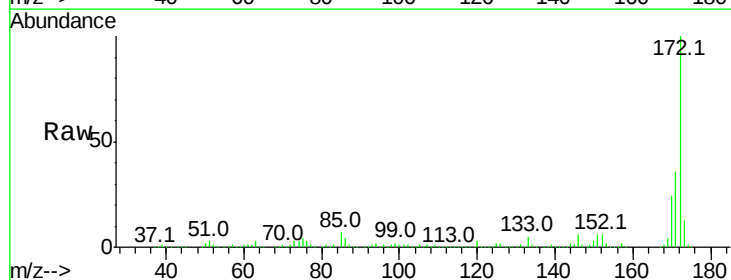


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

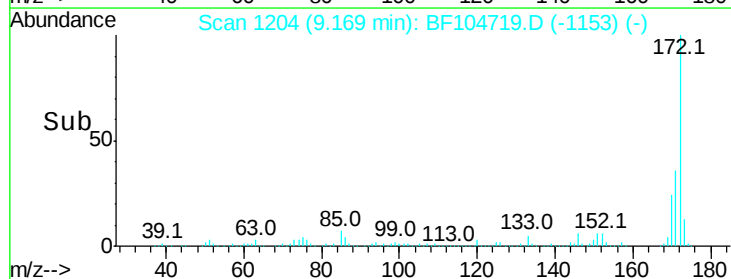
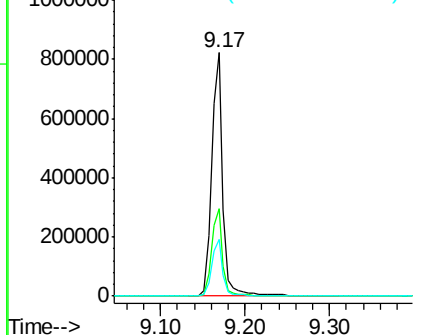


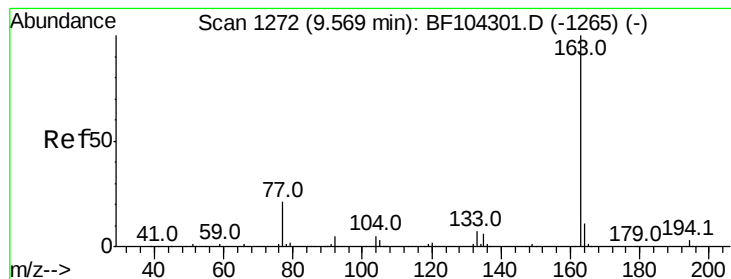
#44
 2-Fluorobiphenyl
 Concen: 70.869 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.00 min
 Lab File: BF104719.D
 Acq: 23 Apr 2018 19:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	23.6	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





#49

Dimethylphthalate

Concen: 4.496 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.01 min

Lab File: BF104719.D

Acq: 23 Apr 2018 19:34

Instrument :

BNA_F

ClientSampleId :

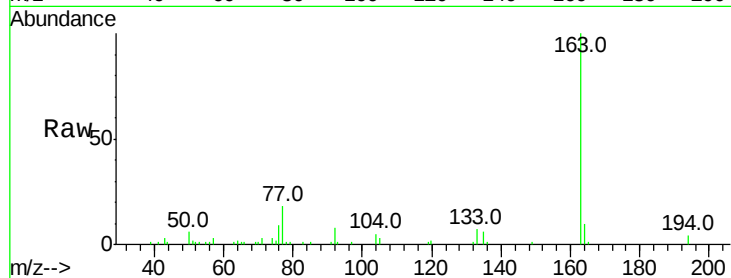
Tot Ion:163 Resp: 60737

Ion Ratio Lower Upper

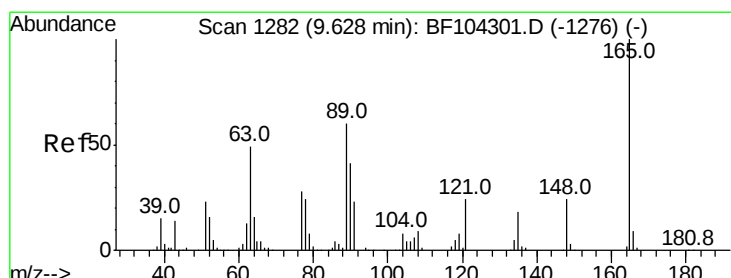
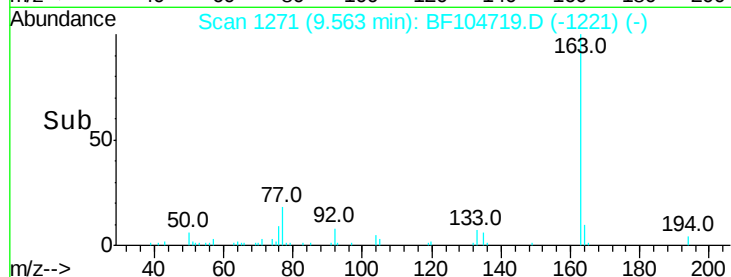
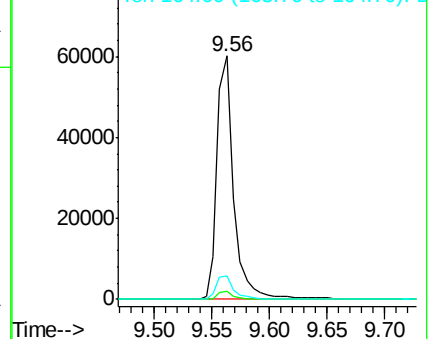
163 100

194 3.6 2.7 4.1

164 9.8 8.2 12.2



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#50

2,6-Dinitrotoluene

Concen: 8.641 ng

RT: 9.85 min Scan# 1320

Delta R.T. 0.21 min

Lab File: BF104719.D

Acq: 23 Apr 2018 19:34

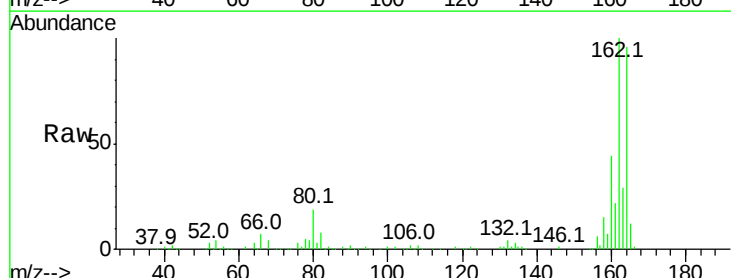
Tgt Ion:165 Resp: 21597

Ion Ratio Lower Upper

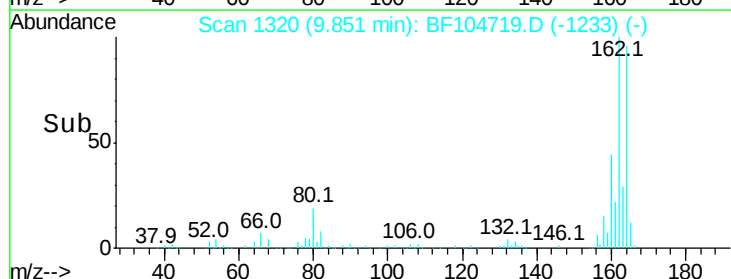
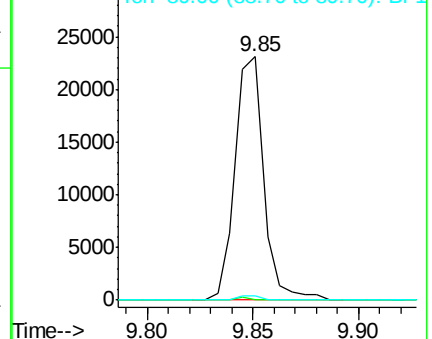
165 100

63 0.0 44.7 67.1#

89 2.0 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

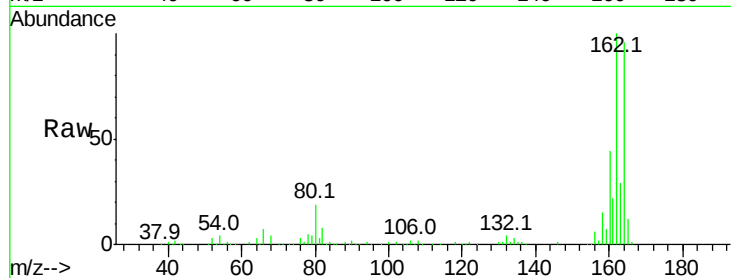




#56
 2,4-Dinitrotoluene
 Concen: 6.587 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF104719.D
 Acq: 23 Apr 2018 19:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	165	Resp:	21597
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	2.0	57.8	86.6#
182	0.0	1.6	2.4#

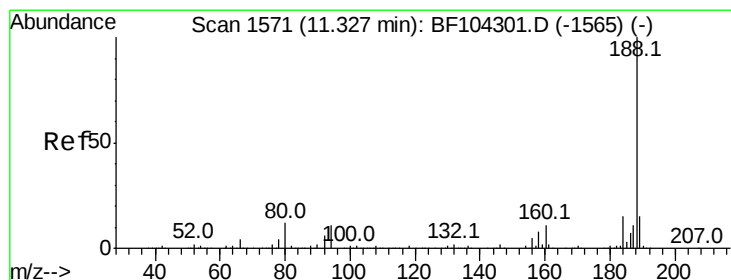
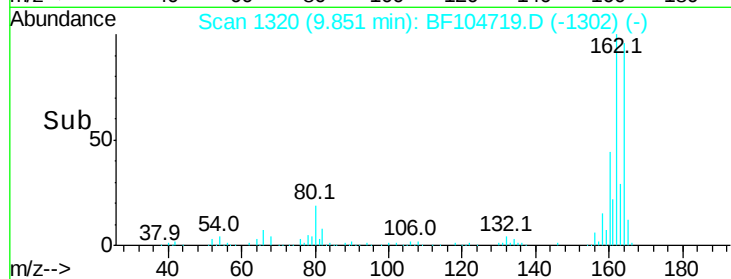
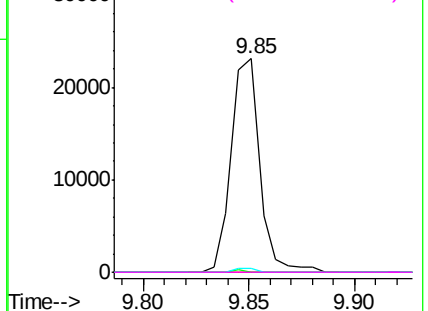


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

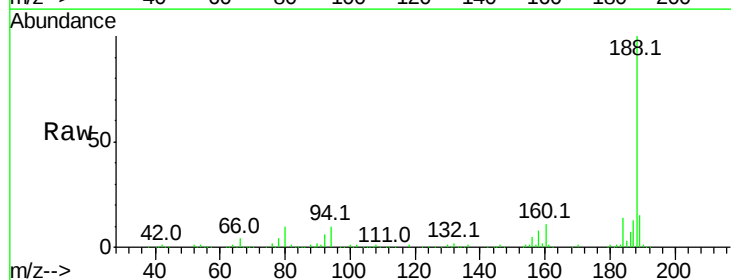
Ion 89.00 (88.70 to 89.70): BF1

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: BF104719.D
 Acq: 23 Apr 2018 19:34

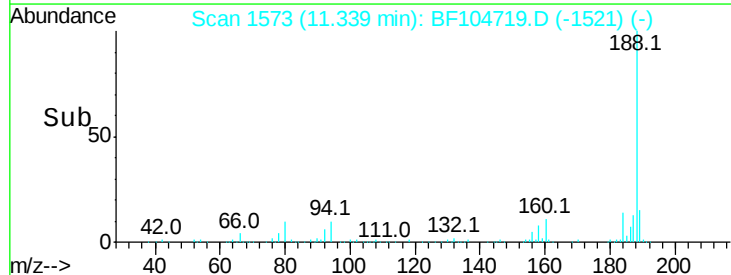
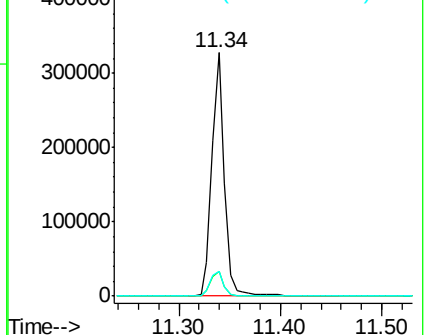
Tgt Ion:	188	Resp:	281311
Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.5	12.7
80	10.2	9.2	13.8

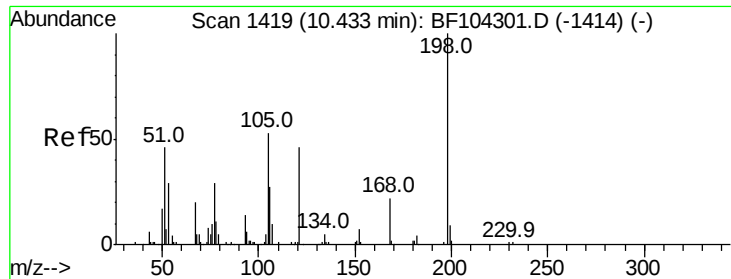


Abundance Ion 188.00 (187.70 to 188.70): E

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: 7.490 ng

RT: 10.65 min Scan# 1455

Delta R.T. 0.19 min

Lab File: BF104719.D

Acq: 23 Apr 2018 19:34

Instrument :

BNA_F

ClientSampleId :

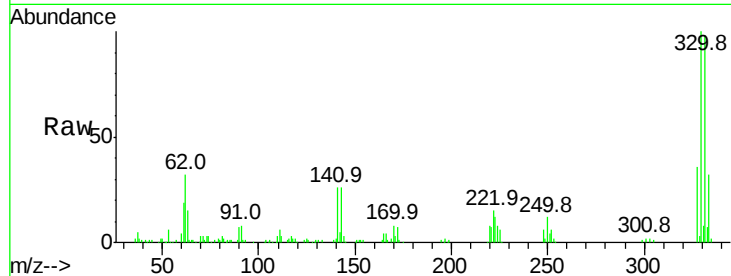
Tot Ion:198 Resp: 231

Ion Ratio Lower Upper

198 100

51 122.5 37.7 77.7#

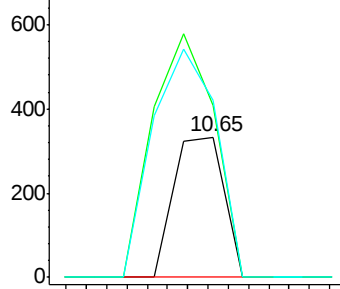
105 126.1 36.3 76.3#



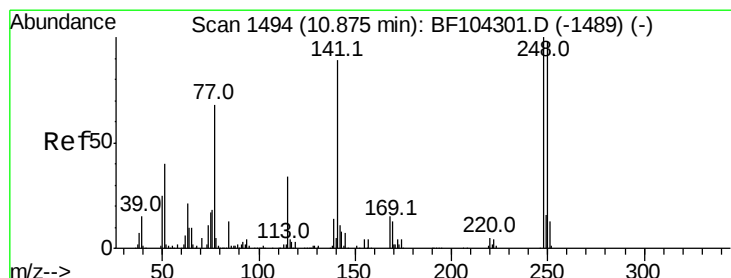
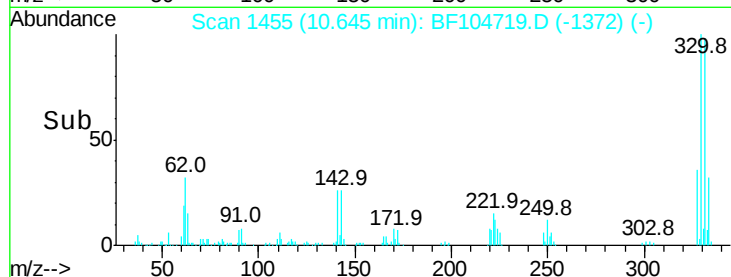
Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E



Time-->



#66

4-Bromophenyl-phenylether

Concen: 2.949 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.24 min

Lab File: BF104719.D

Acq: 23 Apr 2018 19:34

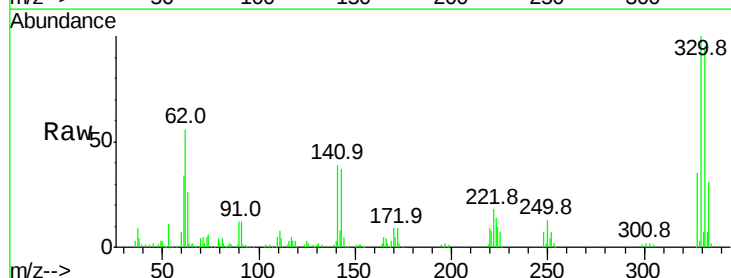
Tgt Ion:248 Resp: 8824

Ion Ratio Lower Upper

248 100

250 192.1 76.9 115.3#

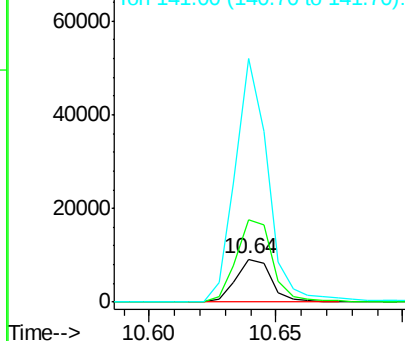
141 566.6 74.4 111.6#



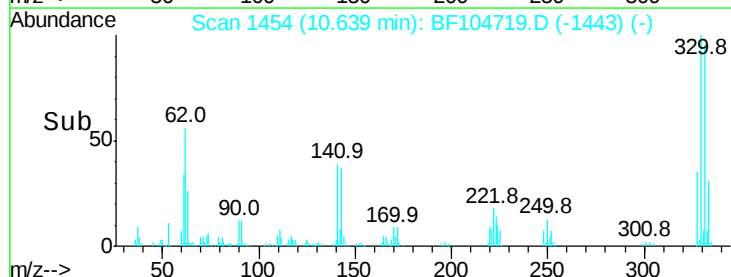
Abundance Ion 248.00 (247.70 to 248.70): E

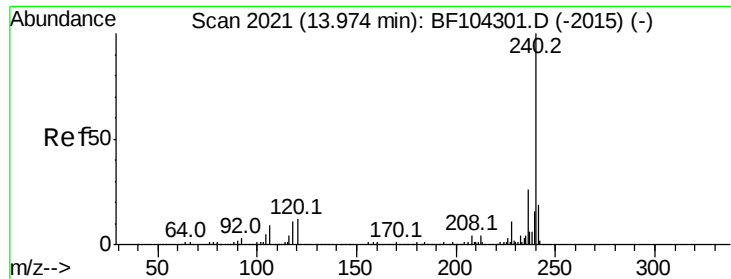
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



Time-->





#75

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2023

Delta R.T. -0.00 min

Lab File: BF104719.D

Acq: 23 Apr 2018 19:34

Instrument :

BNA_F

ClientSampleId :

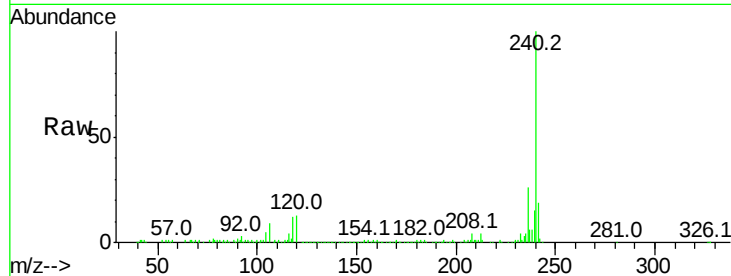
Tot Ion:240 Resp: 184881

Ion Ratio Lower Upper

240 100

120 13.2 9.5 14.3

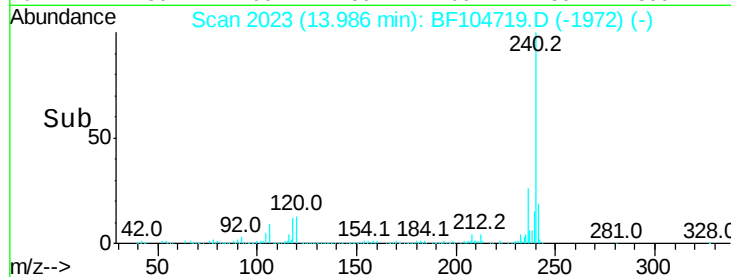
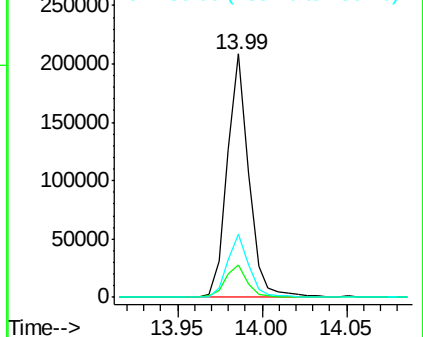
236 25.7 20.7 31.1



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: 77.534 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BF104719.D

Acq: 23 Apr 2018 19:34

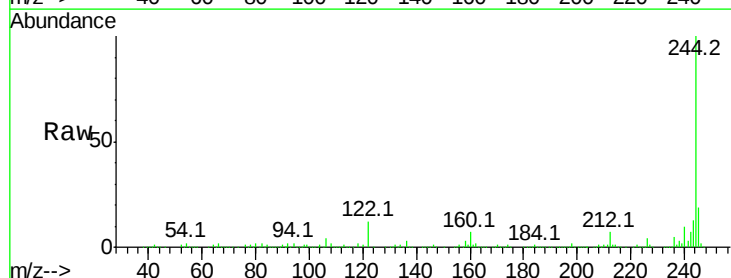
Tgt Ion:244 Resp: 628752

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

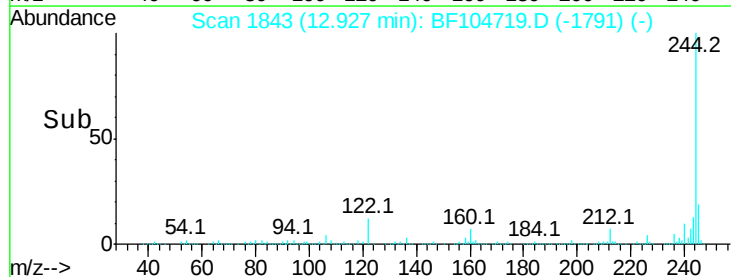
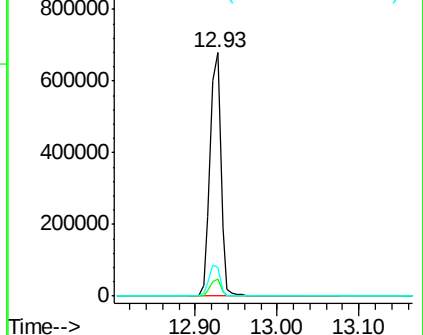
122 11.8 11.0 16.4

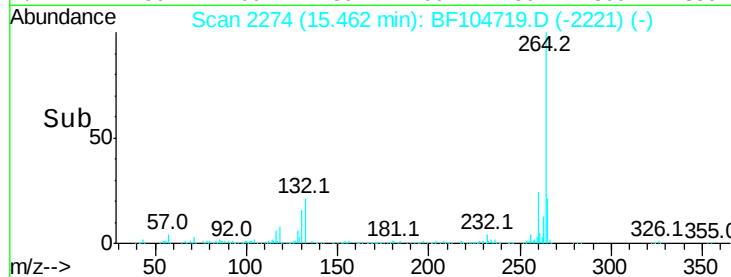
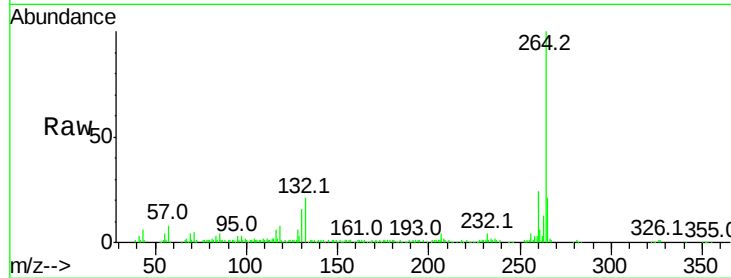
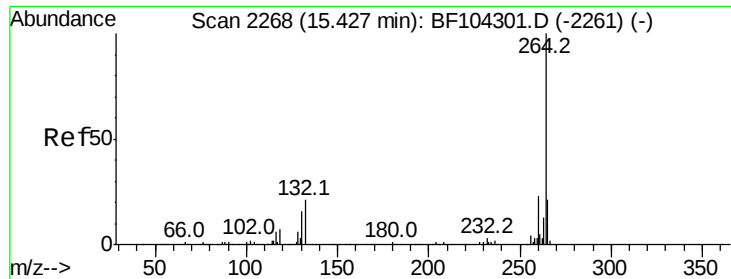


Abundance Ion 244.00 (243.70 to 244.70): E

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: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF104719.D
Acq: 23 Apr 2018 19:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.1	17.5	26.3

