

Data Path : Z:\HPCHEM1\BNA F\DATA\BF040618\
 Data File : BF104340.D
 Acq On : 7 Apr 2018 6:46
 Operator : JU/SJ
 Sample : J2225-15
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 09 00:47:22 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 06 16:44:53 2018
 Response via : Initial Calibration

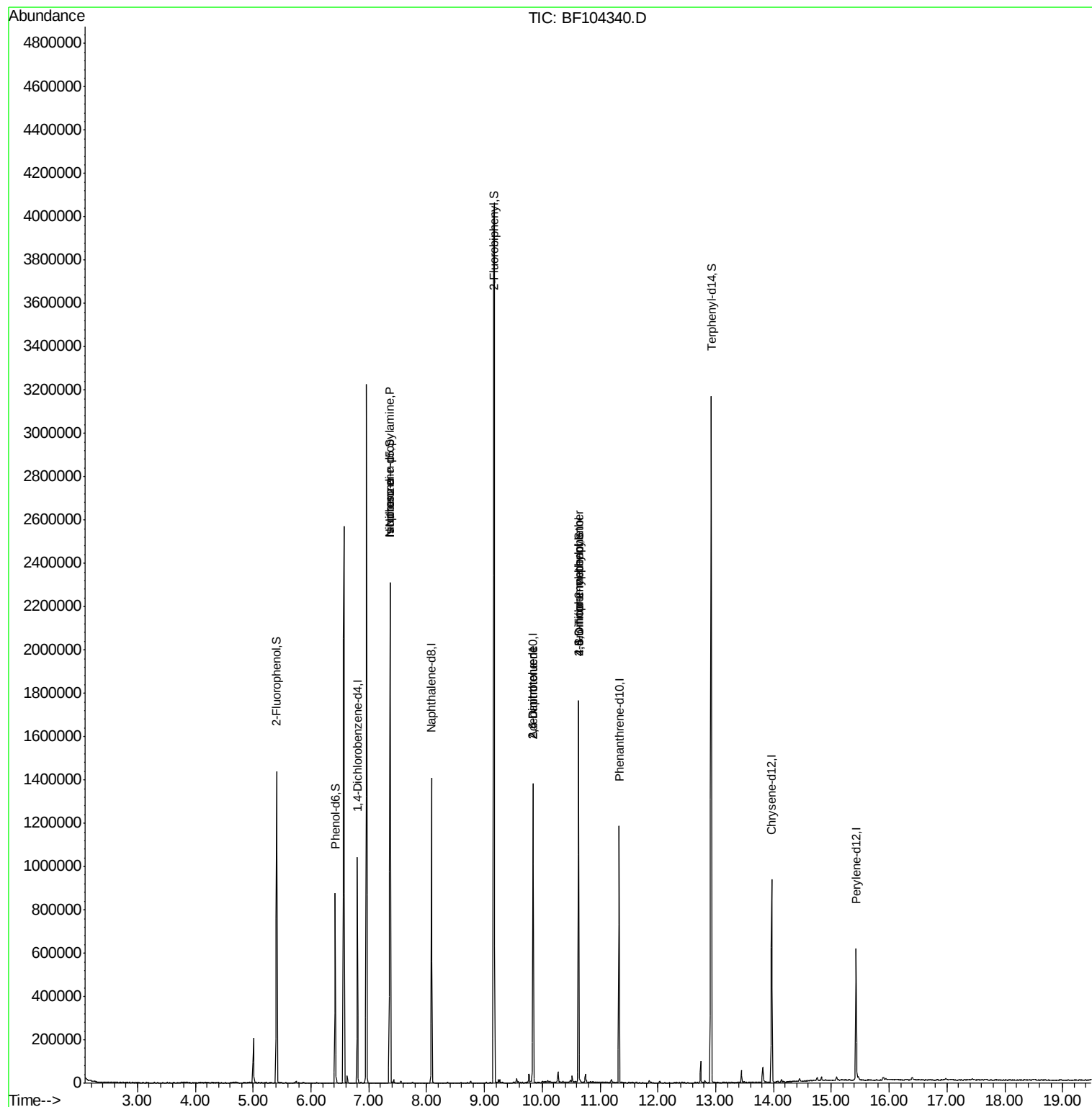
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	149303	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	588421	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	251516	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	378590	20.00	ng	0.00
75) Chrysene-d12	13.97	240	283678	20.00	ng	0.00
86) Perylene-d12	15.43	264	259538	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	392796	40.23	ng	0.00
7) Phenol-d6	6.42	99	294262	24.53	ng	-0.01
23) Nitrobenzene-d5	7.37	82	910385	101.03	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	205841	78.90	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1457032	91.51	ng	0.00
78) Terphenyl-d14	12.92	244	1084101	87.13	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	118248	15.083	ng	# 75
25) Isophorone	7.37	82	910066	47.758	ng	# 64
50) 2,6-Dinitrotoluene	9.84	165	32869	8.956	ng	# 25
56) 2,4-Dinitrotoluene	9.84	165	32869	6.828	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.63	198	559	7.604	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	12971	3.221	ng	# 1
76) Benzidine	12.92	184	14119	Below Cal		# 96

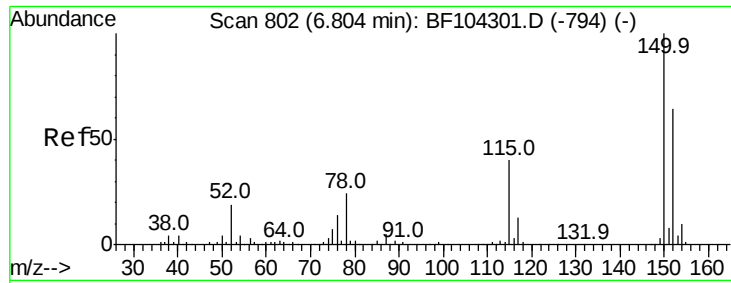
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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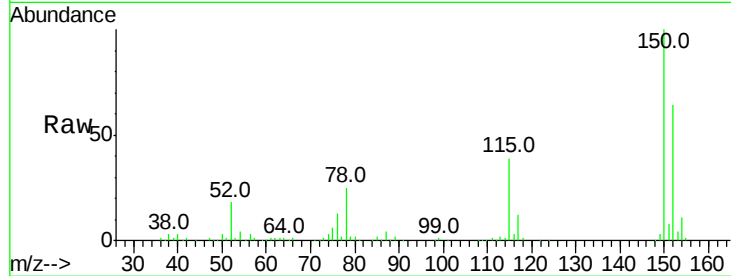


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF104340.D
Acq: 7 Apr 2018 6:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.7	124.6	186.8
115	60.9	50.1	75.1

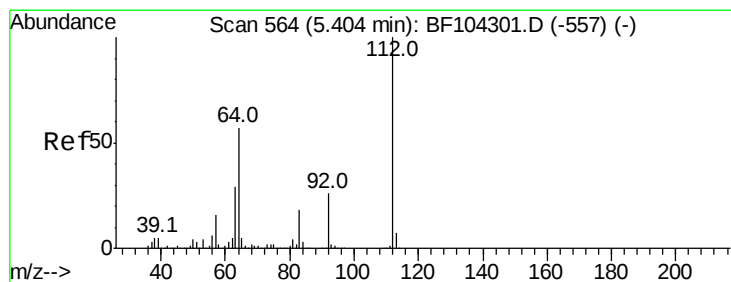
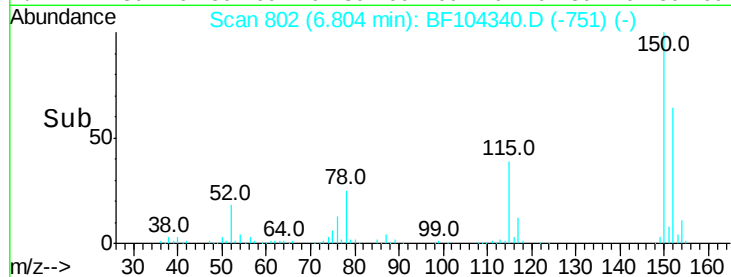
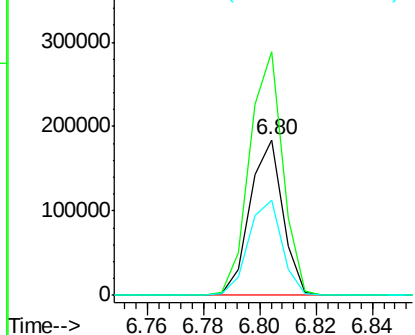


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

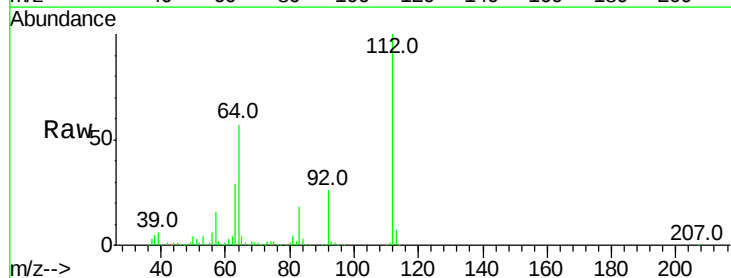
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 40.227 ng
RT: 5.40 min Scan# 564
Delta R.T. 0.00 min
Lab File: BF104340.D
Acq: 7 Apr 2018 6:46

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.2	47.9	71.9
63	29.3	23.7	35.5

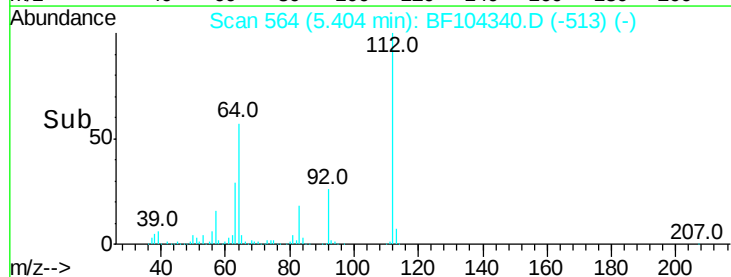
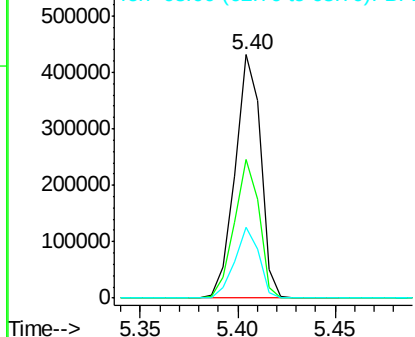


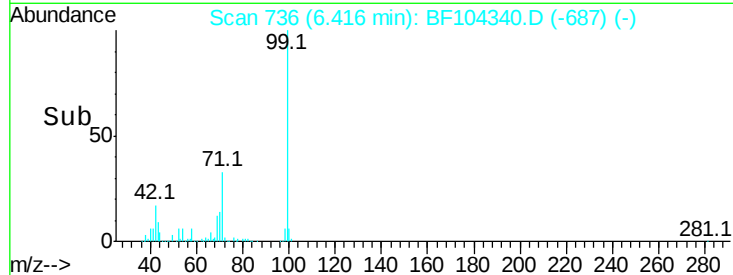
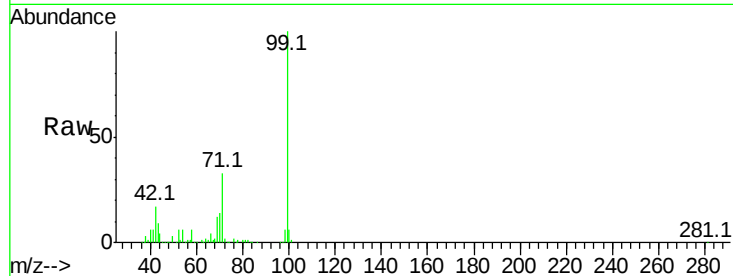
Abundance

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: 24.527 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.01 min

Lab File: BF104340.D

Acq: 7 Apr 2018 6:46

Instrument :

BNA_F

ClientSampleId :

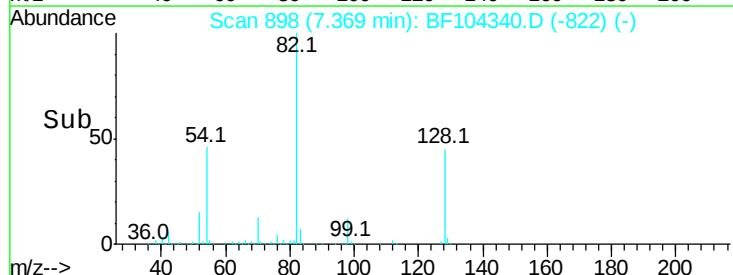
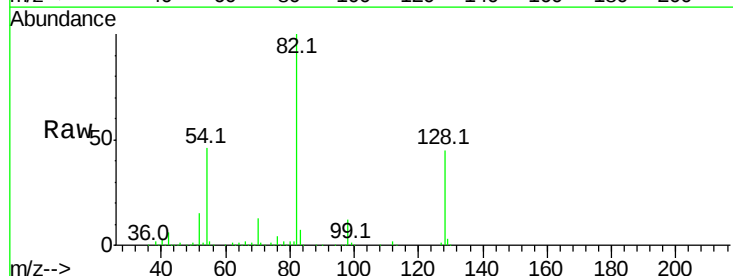
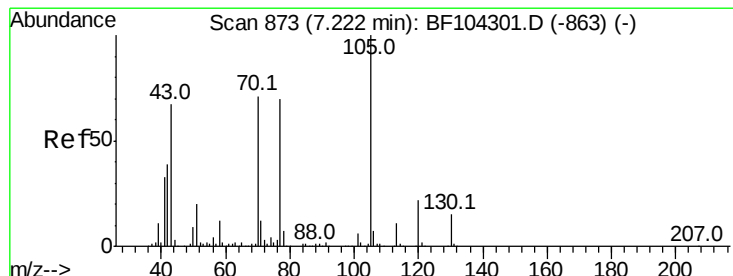
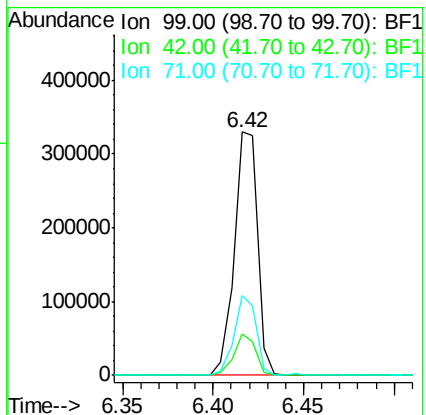
Tot Ion: 99 Resp: 294262

Ion Ratio Lower Upper

99 100

42 16.9 14.5 21.7

71 32.6 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 15.083 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104340.D

Acq: 7 Apr 2018 6:46

Tgt Ion: 70 Resp: 118248

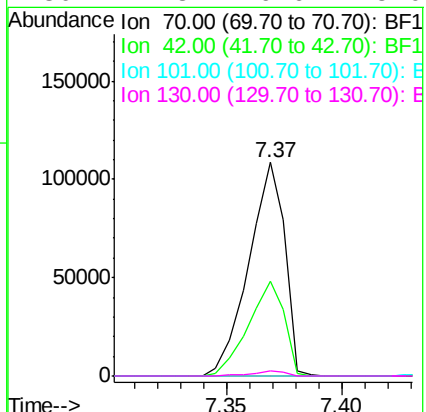
Ion Ratio Lower Upper

70 100

42 44.6 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# 1020

Delta R.T. 0.00 min

Lab File: BF104340.D

Acq: 7 Apr 2018 6:46

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 588421

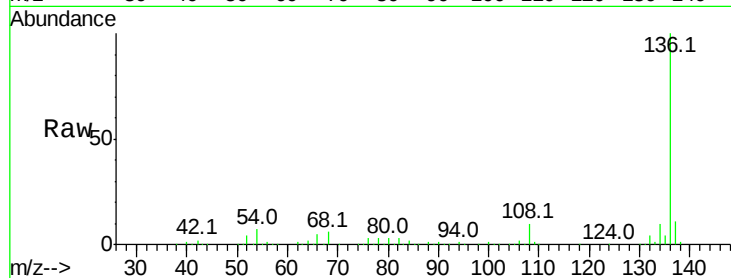
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 6.9 6.6 9.8

68 6.2 5.0 7.4

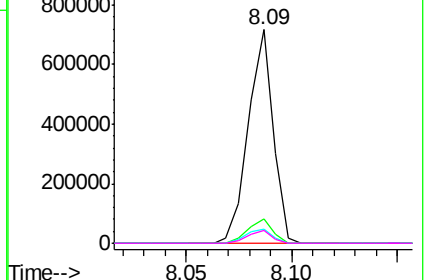
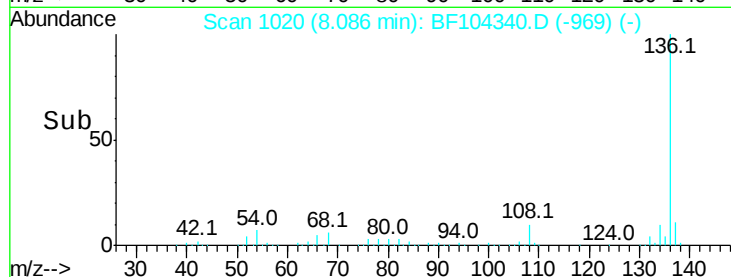


Abundance Ion 136.00 (135.70 to 136.70): E

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: 101.027 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.00 min

Lab File: BF104340.D

Acq: 7 Apr 2018 6:46

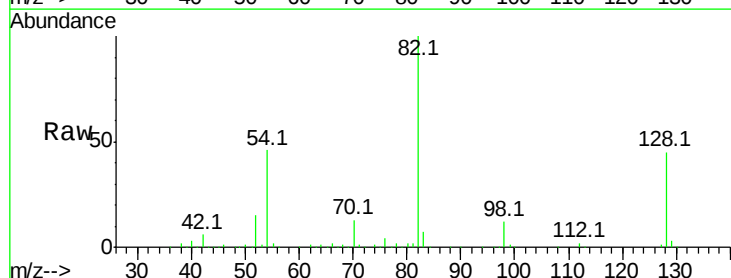
Tgt Ion: 82 Resp: 910385

Ion Ratio Lower Upper

82 100

128 44.6 36.1 54.1

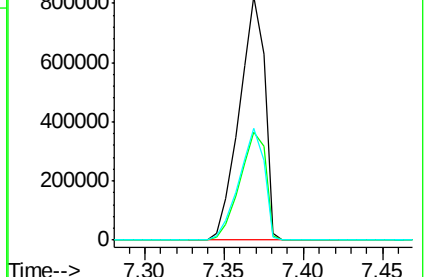
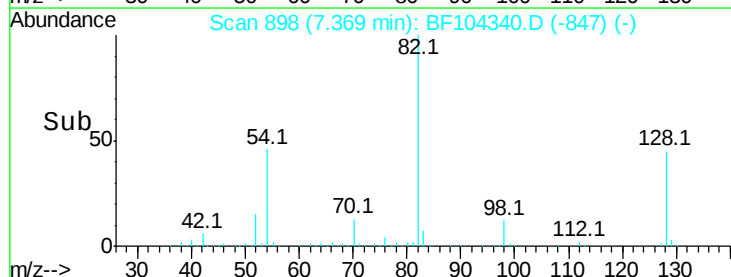
54 45.8 41.4 62.2



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: 47.758 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104340.D

Acq: 7 Apr 2018 6:46

Instrument :

BNA_F

ClientSampleId :

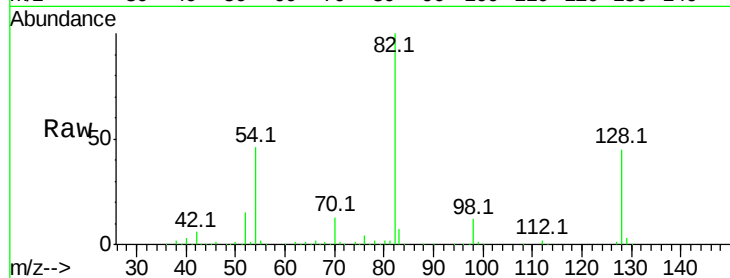
Tot Ion: 82 Resp: 910066

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

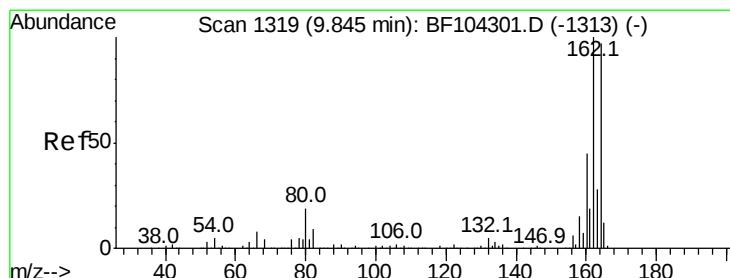
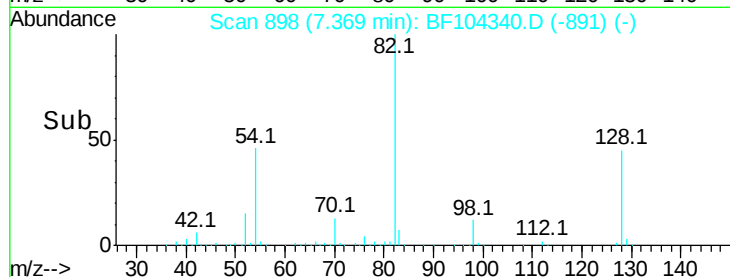
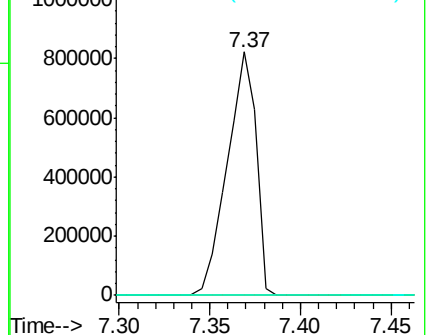
138 0.0 14.9 22.3#



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: 9.84 min Scan# 1318

Delta R.T. -0.01 min

Lab File: BF104340.D

Acq: 7 Apr 2018 6:46

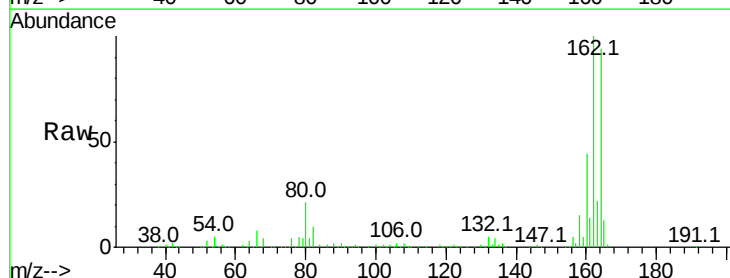
Tgt Ion:164 Resp: 251516

Ion Ratio Lower Upper

164 100

162 106.5 86.1 129.1

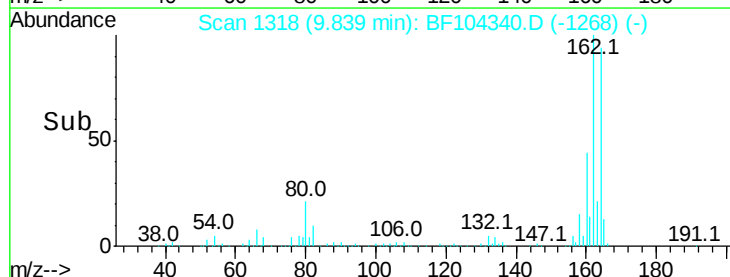
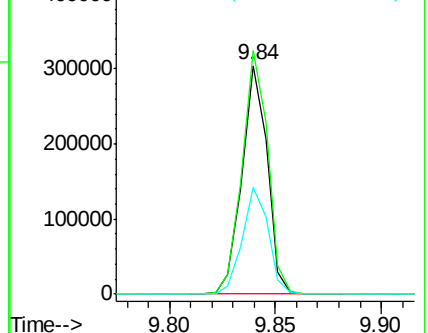
160 46.4 38.3 57.5

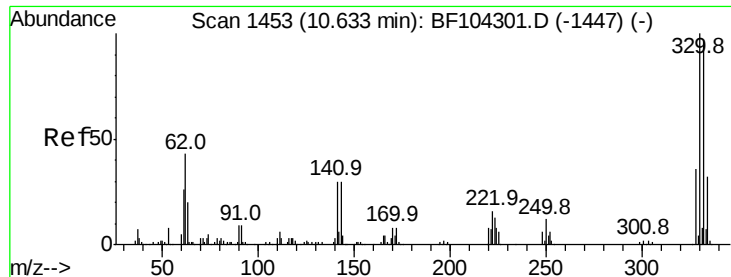


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

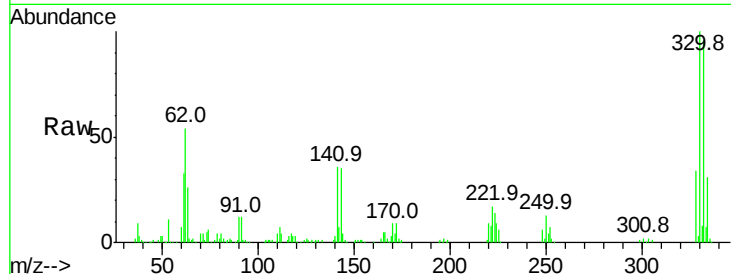




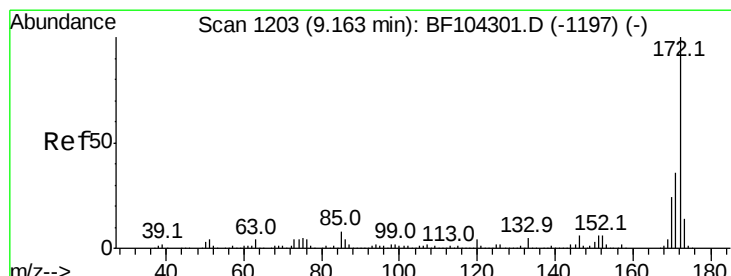
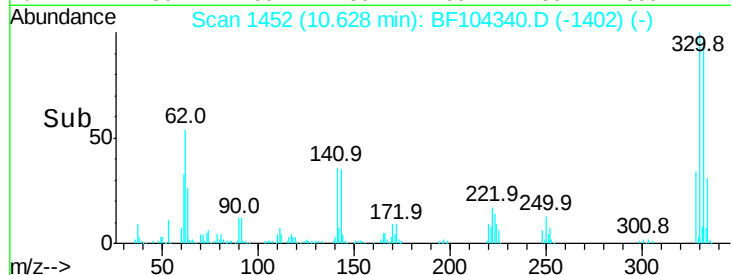
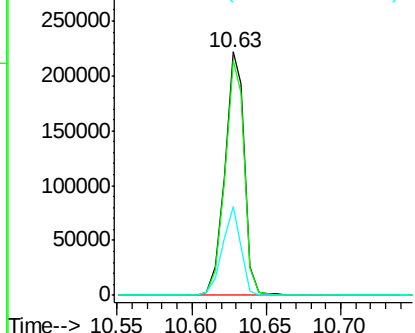
#41
 2,4,6-Tribromophenol
 Concen: 78.895 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: BF104340.D
 Acq: 7 Apr 2018 6:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.2	77.0	115.6
141	34.6	29.9	44.9

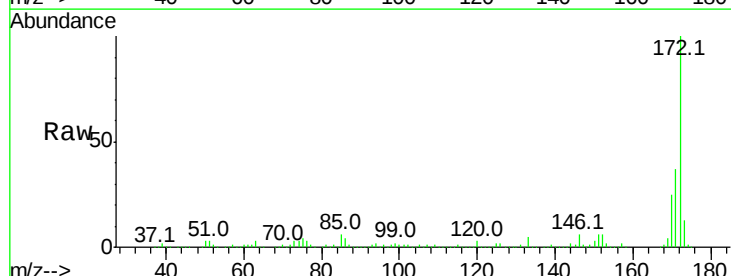


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

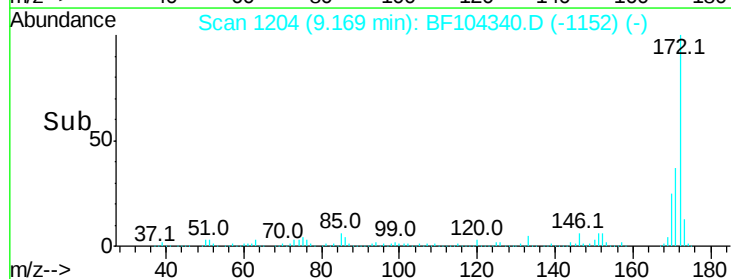
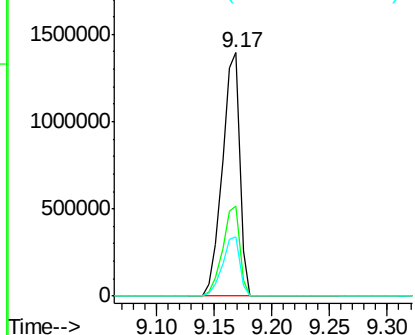


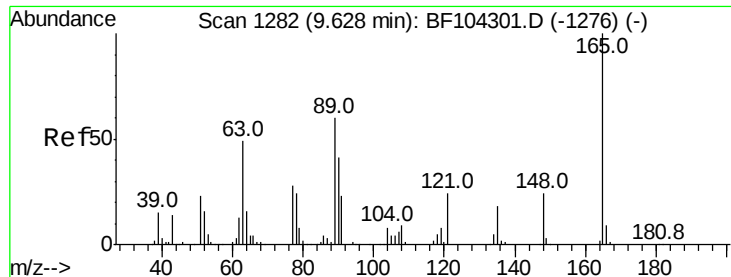
#44
 2-Fluorobiphenyl
 Concen: 91.515 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. 0.01 min
 Lab File: BF104340.D
 Acq: 7 Apr 2018 6:46

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.7	44.5
170	24.6	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

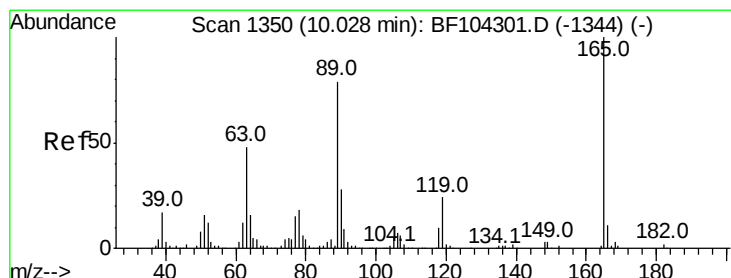
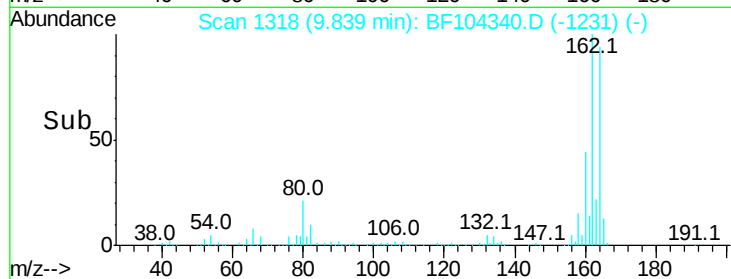
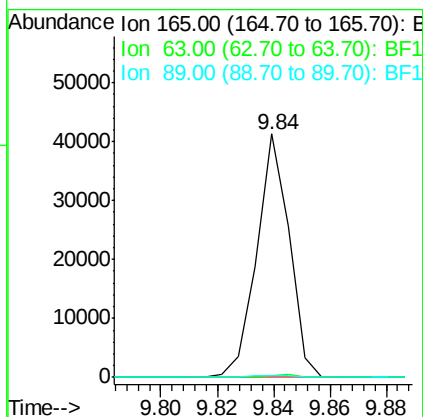
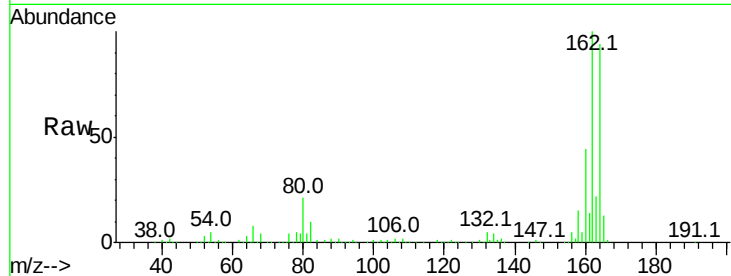




#50
 2,6-Dinitrotoluene
 Concen: 8.956 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.21 min
 Lab File: BF104340.D
 Acq: 7 Apr 2018 6:46

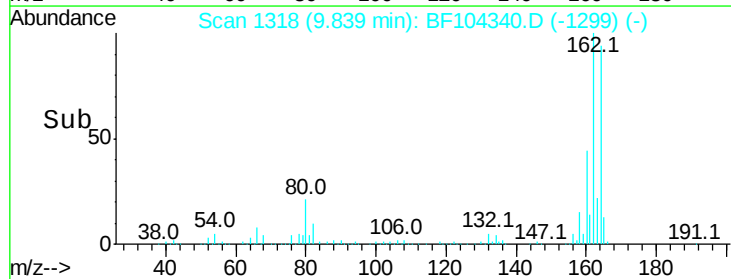
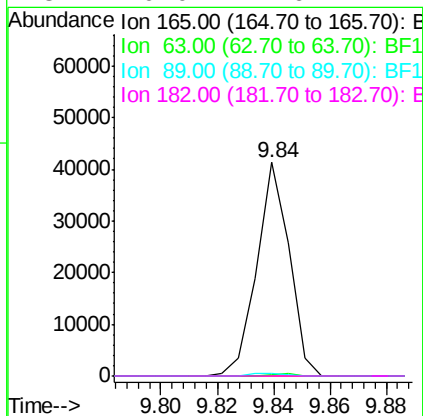
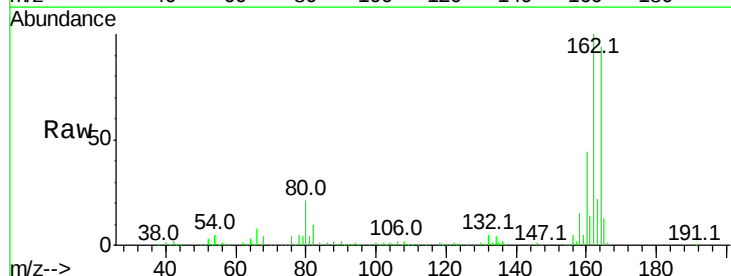
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.9	44.7	67.1#
89	1.0	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.828 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.19 min
 Lab File: BF104340.D
 Acq: 7 Apr 2018 6:46

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.9	36.4	54.6#
89	1.0	57.8	86.6#
182	0.0	1.6	2.4#

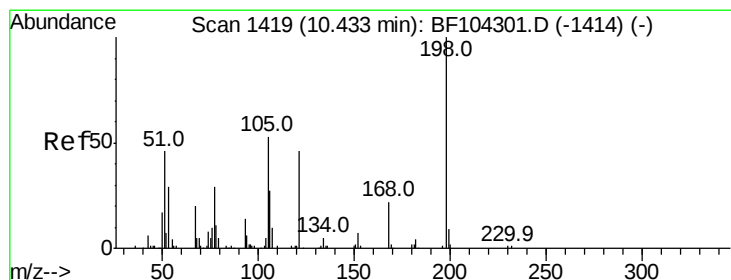
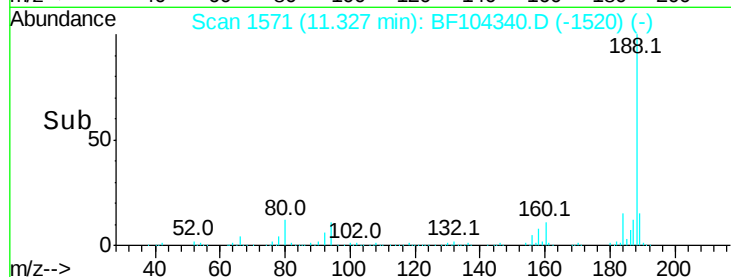
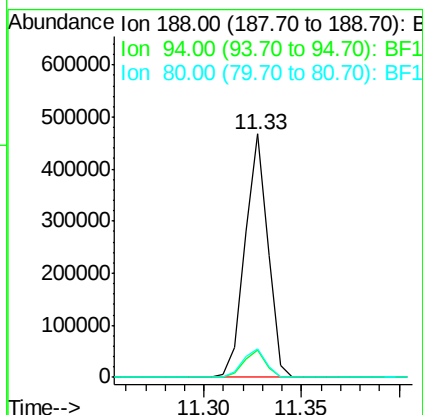
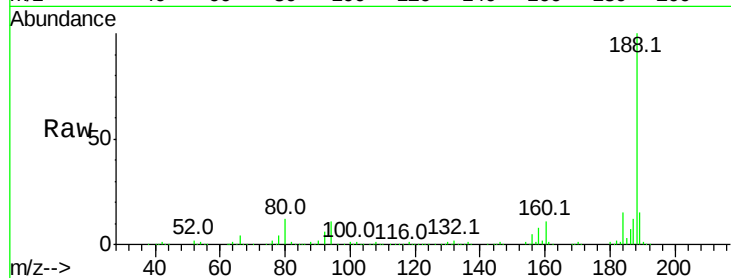




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BF104340.D
Acq: 7 Apr 2018 6:46

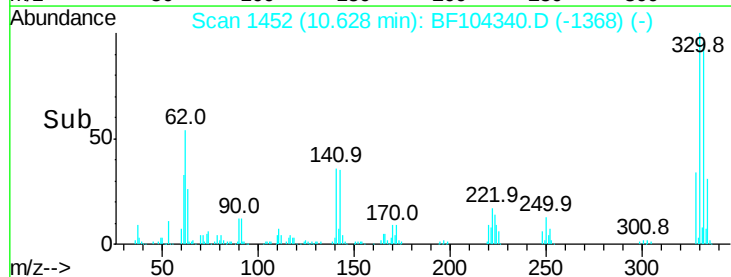
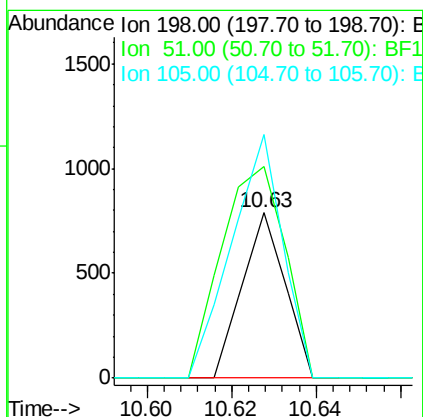
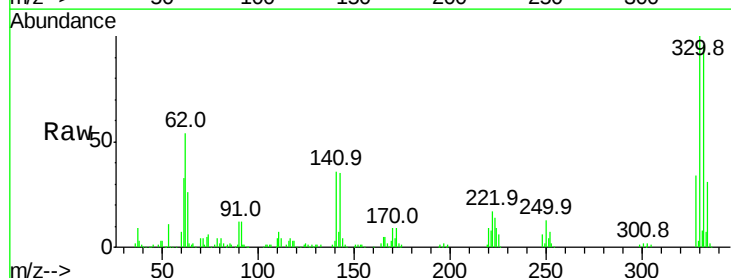
Instrument :
BNA_F
ClientSampleId :

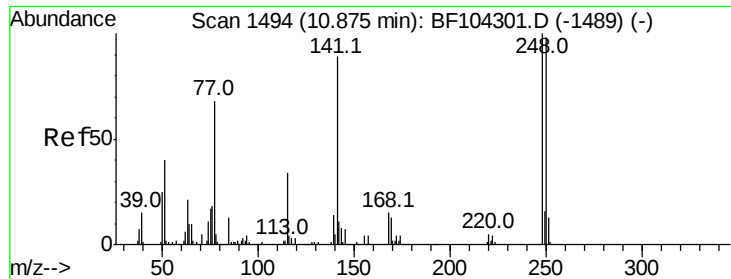
Tot Ion:188 Resp: 378590
Ion Ratio Lower Upper
188 100
94 11.1 8.5 12.7
80 11.9 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 7.604 ng
RT: 10.63 min Scan# 1452
Delta R.T. 0.19 min
Lab File: BF104340.D
Acq: 7 Apr 2018 6:46

Tgt Ion:198 Resp: 559
Ion Ratio Lower Upper
198 100
51 128.3 37.7 77.7#
105 147.3 36.3 76.3#

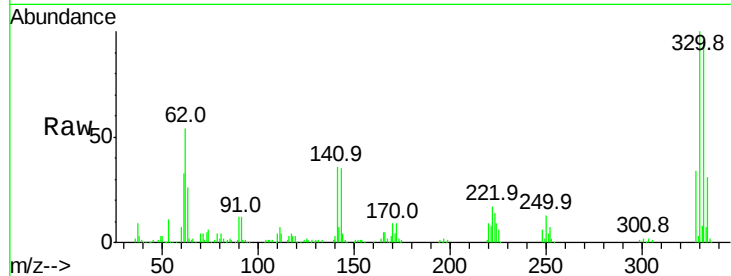




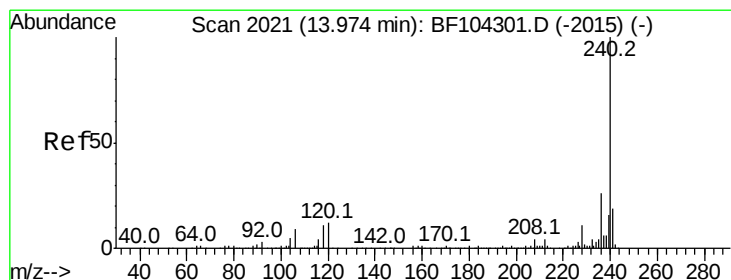
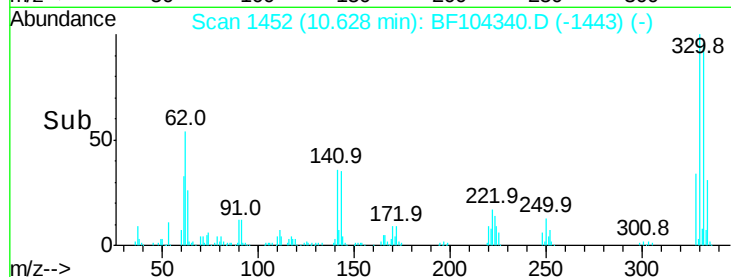
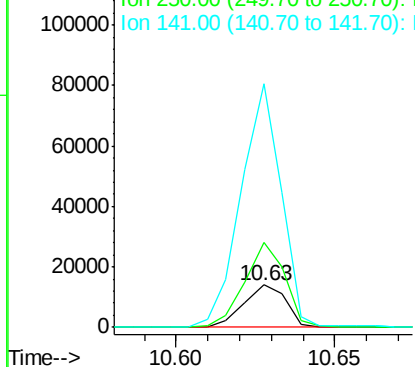
#66
4-Bromophenyl-phenylether
Concen: 3.221 ng
RT: 10.63 min Scan# 1452
Delta R.T. -0.25 min
Lab File: BF104340.D
Acq: 7 Apr 2018 6:46

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 12971
Ion Ratio Lower Upper
248 100
250 201.2 76.9 115.3#
141 576.0 74.4 111.6#

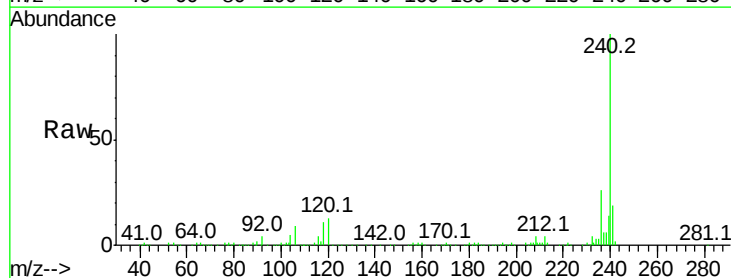


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

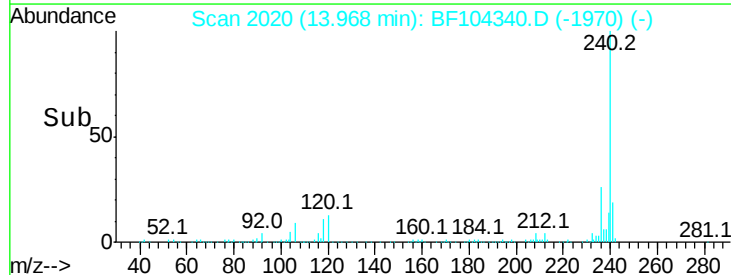
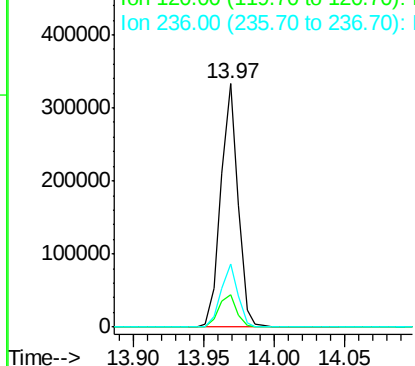


#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF104340.D
Acq: 7 Apr 2018 6:46

Tgt Ion:240 Resp: 283678
Ion Ratio Lower Upper
240 100
120 13.4 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: 87.126 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF104340.D

Acq: 7 Apr 2018 6:46

Instrument :

BNA_F

ClientSampleId :

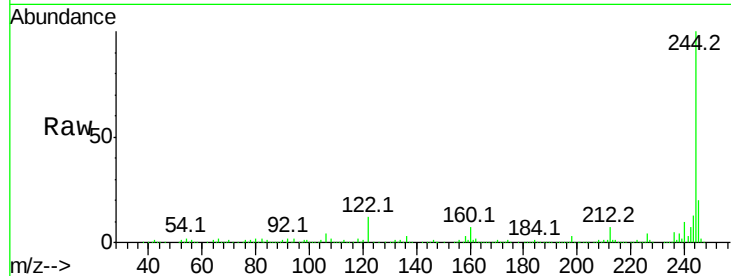
Tot Ion:244 Resp: 1084101

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

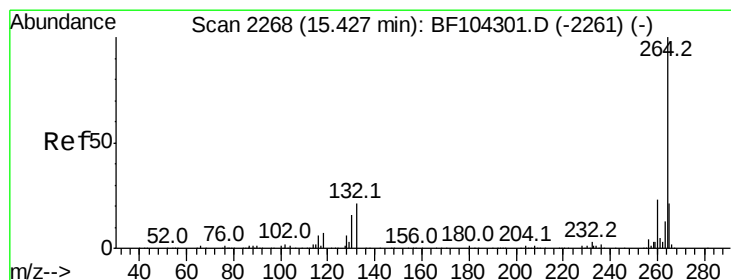
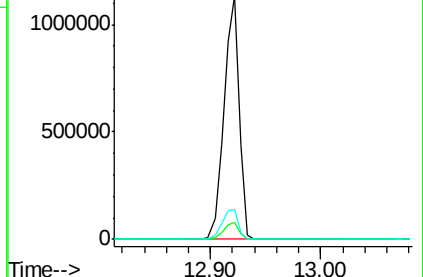
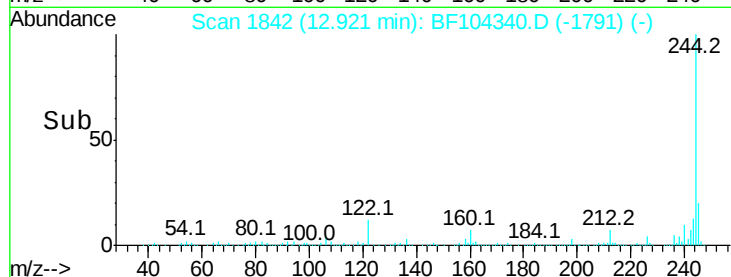
122 12.4 11.0 16.4



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: 15.43 min Scan# 2268

Delta R.T. 0.00 min

Lab File: BF104340.D

Acq: 7 Apr 2018 6:46

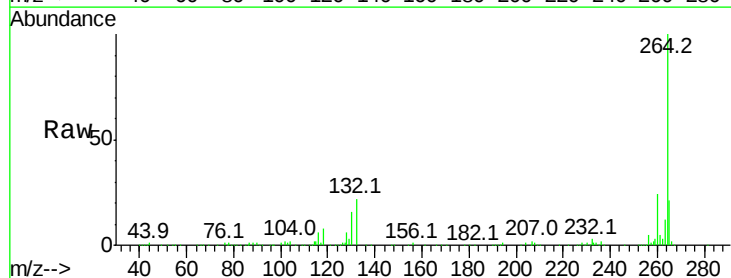
Tgt Ion:264 Resp: 259538

Ion Ratio Lower Upper

264 100

260 24.4 19.2 28.8

265 21.1 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

