

Data Path : Z:\HPCHEM1\BNA F\DATA\BF043018\
 Data File : BF104970.D
 Acq On : 1 May 2018 8:41
 Operator : JU/SJ
 Sample : J2617-13
 Misc :
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 01 11:18:18 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 30 15:20:08 2018
 Response via : Initial Calibration

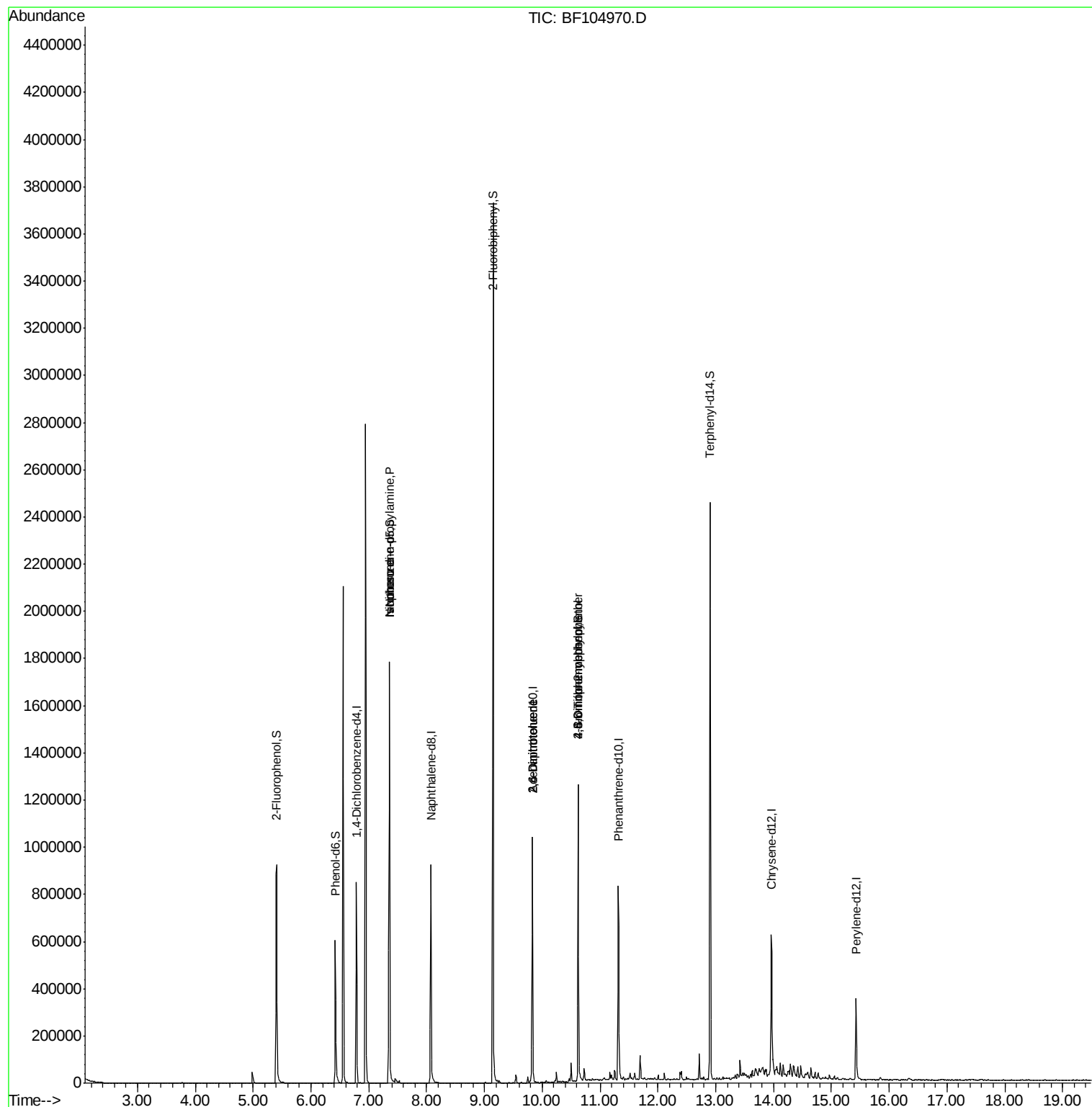
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	119693	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	478616	20.00	ng	0.00
38) Acenaphthene-d10	9.83	164	208460	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	312903	20.00	ng	-0.01
75) Chrysene-d12	13.96	240	217598	20.00	ng	-0.01
86) Perylene-d12	15.43	264	170335	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.40	112	316219	40.40	ng	0.00
7) Phenol-d6	6.42	99	233993	24.33	ng	-0.02
23) Nitrobenzene-d5	7.36	82	742739	101.33	ng	-0.01
41) 2,4,6-Tribromophenol	10.62	330	165781	76.66	ng	-0.01
44) 2-Fluorobiphenyl	9.15	172	1252669	94.93	ng	0.00
78) Terphenyl-d14	12.90	244	891544	93.41	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.36	70	95530	15.200	ng	# 72
25) Isophorone	7.36	82	742735	47.919	ng	# 64
50) 2,6-Dinitrotoluene	9.83	165	25765	8.470	ng	# 25
56) 2,4-Dinitrotoluene	9.83	165	25765	6.457	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.62	198	217	7.468	ng	# 1
66) 4-Bromophenyl-phenylether	10.62	248	10362	3.113	ng	# 1
76) Benzidine	12.90	184	11418	Below Cal		96

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

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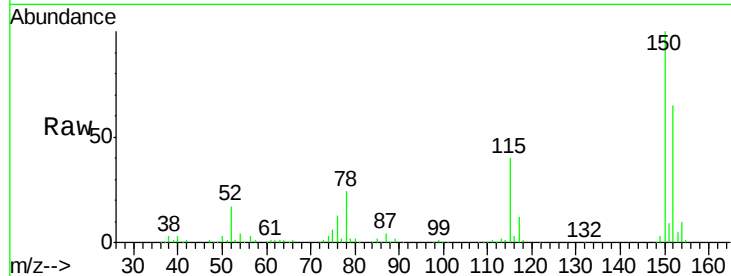


#1

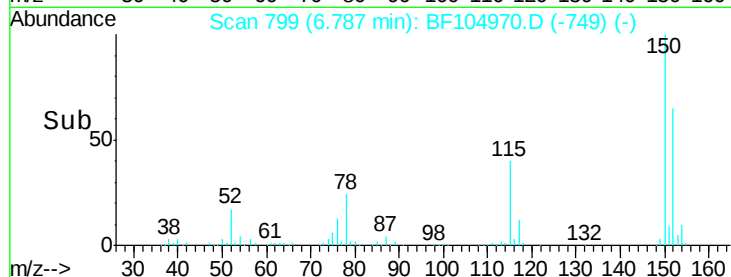
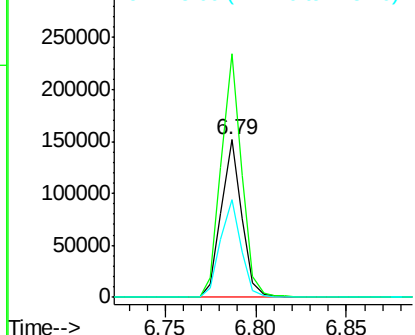
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.79 min Scan# 799
Delta R.T. -0.01 min
Lab File: BF104970.D
Acq: 1 May 2018 8:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 119693
Ion Ratio Lower Upper
152 100
150 154.7 124.6 186.8
115 62.4 50.1 75.1



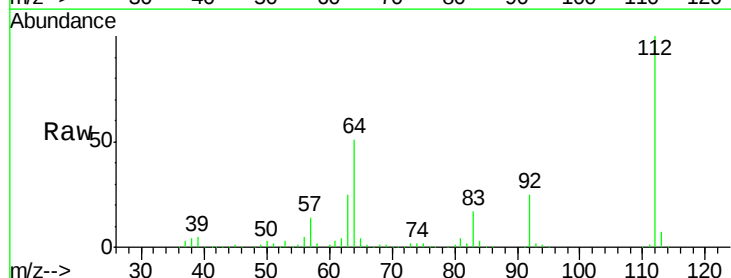
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



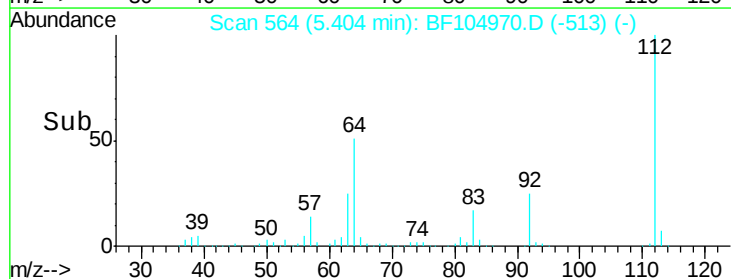
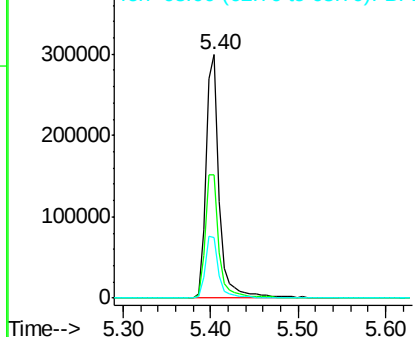
#5

2-Fluorophenol
Concen: 40.396 ng
RT: 5.40 min Scan# 564
Delta R.T. 0.00 min
Lab File: BF104970.D
Acq: 1 May 2018 8:41

Tgt Ion:112 Resp: 316219
Ion Ratio Lower Upper
112 100
64 50.7 47.9 71.9
63 24.8 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: 24.329 ng

RT: 6.42 min Scan# 737

Delta R.T. -0.02 min

Lab File: BF104970.D

Acq: 1 May 2018 8:41

Instrument :

BNA_F

ClientSampleId :

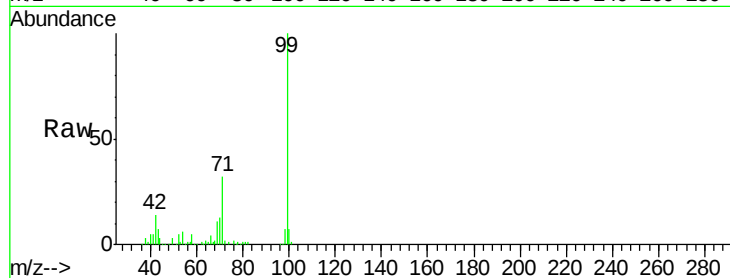
Tot Ion: 99 Resp: 233993

Ion Ratio Lower Upper

99 100

42 14.3 14.5 21.7#

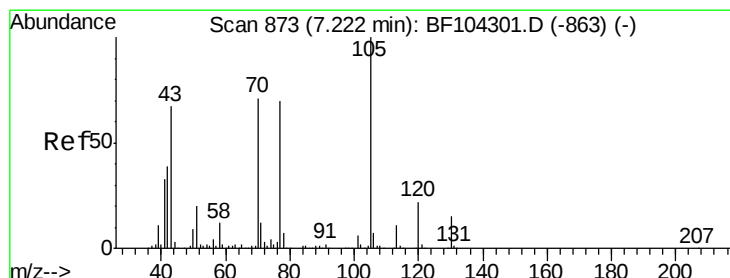
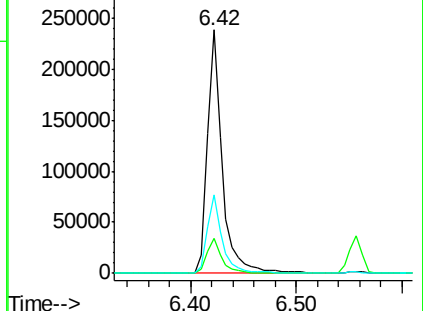
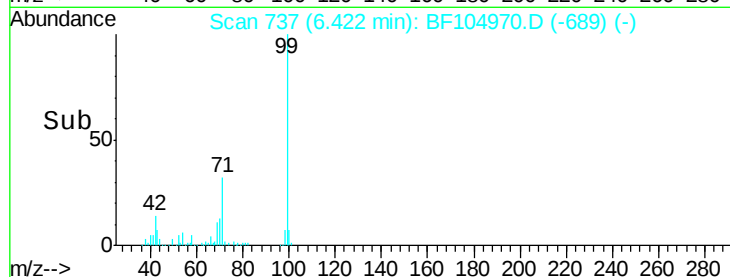
71 32.2 25.4 38.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 15.200 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.14 min

Lab File: BF104970.D

Acq: 1 May 2018 8:41

Tgt Ion: 70 Resp: 95530

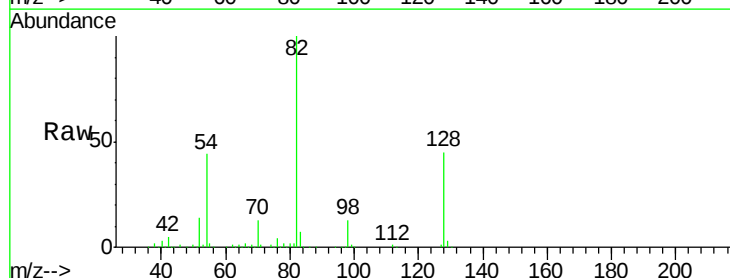
Ion Ratio Lower Upper

70 100

42 41.3 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

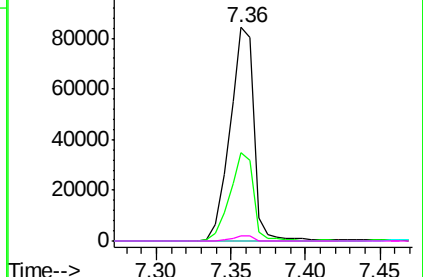
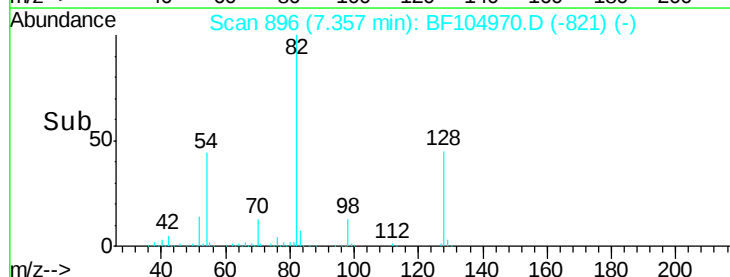


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

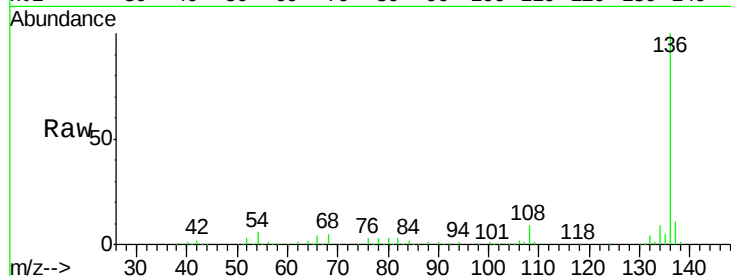




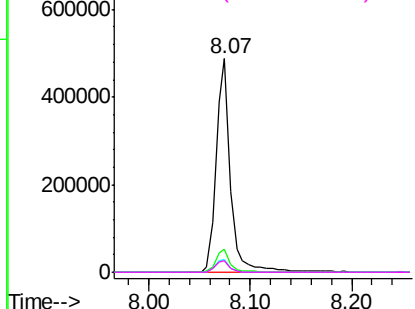
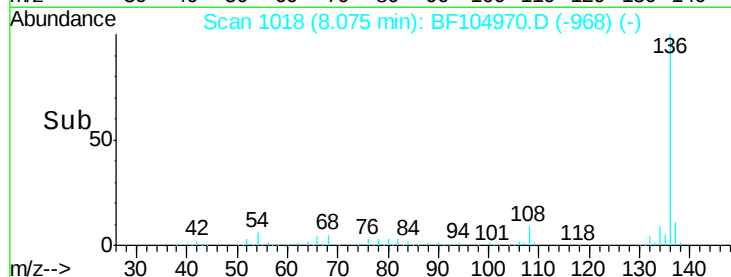
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.07 min Scan# 1018
Delta R.T. -0.01 min
Lab File: BF104970.D
Acq: 1 May 2018 8:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	478616
Ion Ratio	Lower	Upper
136	100	
137	10.6	8.9 13.3
54	5.8	6.6 9.8#
68	5.4	5.0 7.4

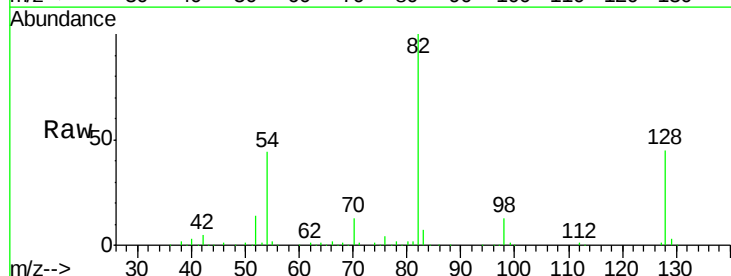


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

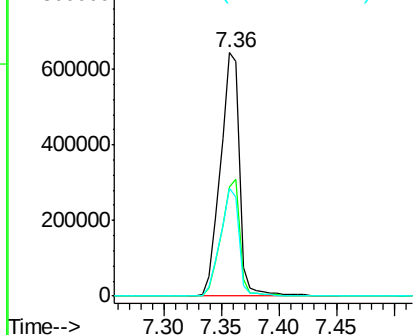
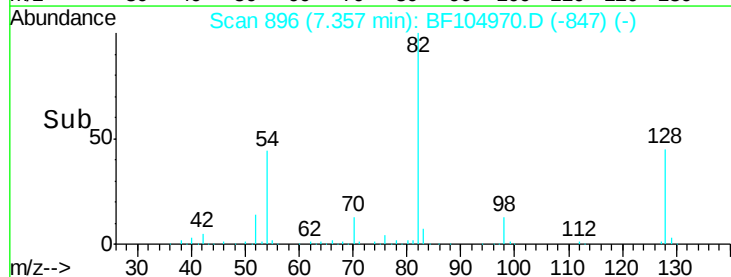


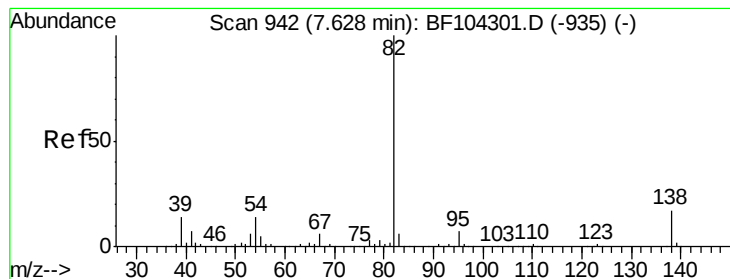
#23
Nitrobenzene-d5
Concen: 101.333 ng
RT: 7.36 min Scan# 896
Delta R.T. -0.01 min
Lab File: BF104970.D
Acq: 1 May 2018 8:41

Tgt Ion: 82	Resp:	742739
Ion Ratio	Lower	Upper
82	100	
128	45.0	36.1 54.1
54	44.4	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: 47.919 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF104970.D

Acq: 1 May 2018 8:41

Instrument :

BNA_F

ClientSampleId :

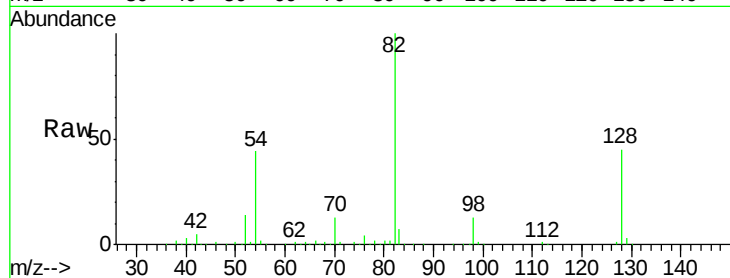
Tot Ion: 82 Resp: 742735

Ion Ratio Lower Upper

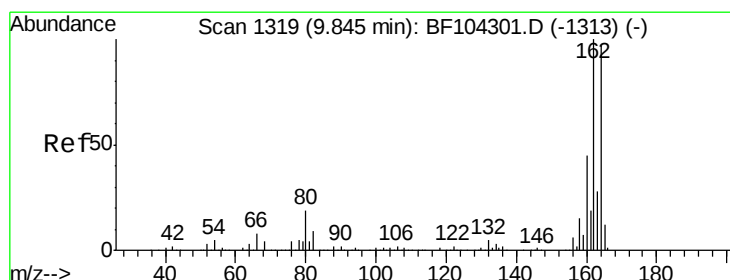
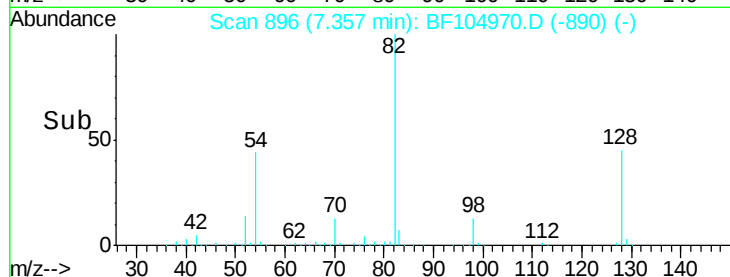
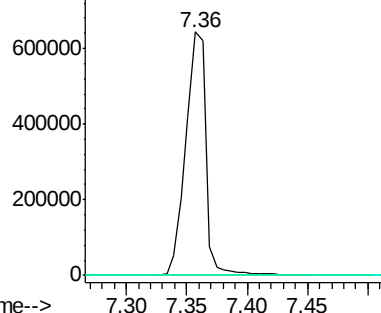
82 100

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: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF104970.D

Acq: 1 May 2018 8:41

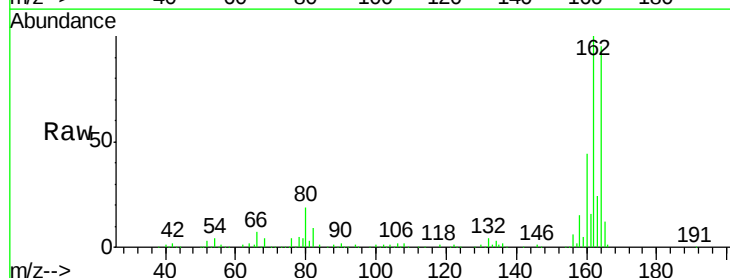
Tgt Ion: 164 Resp: 208460

Ion Ratio Lower Upper

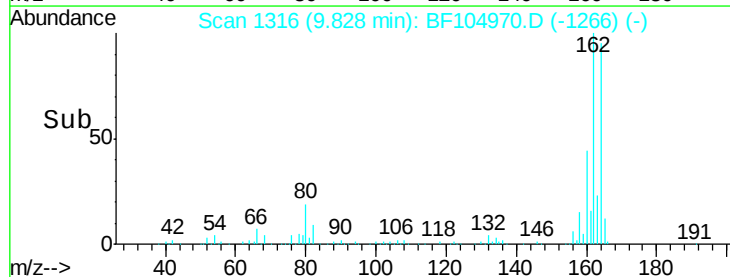
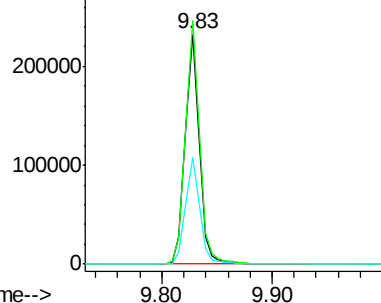
164 100

162 105.8 86.1 129.1

160 46.1 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

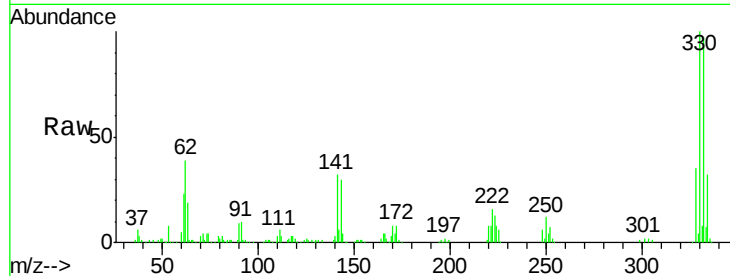




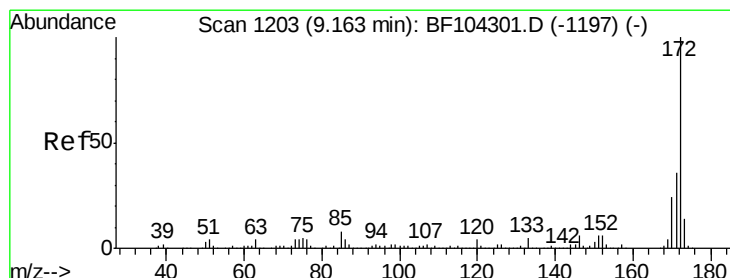
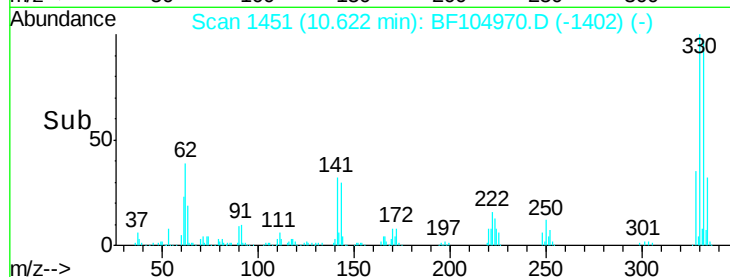
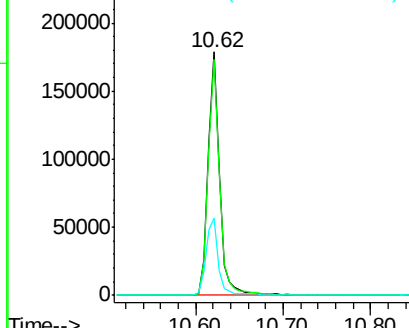
#41
 2,4,6-Tribromophenol
 Concen: 76.665 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BF104970.D
 Acq: 1 May 2018 8:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.0	77.0	115.6
141	33.5	29.9	44.9

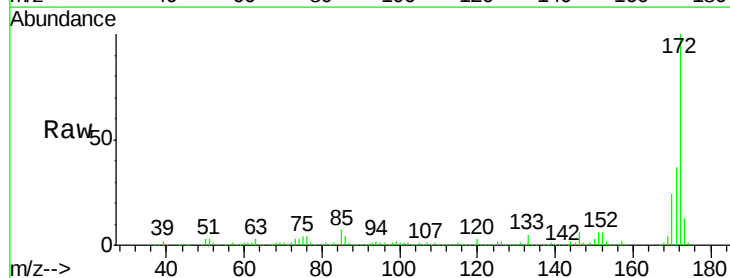


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

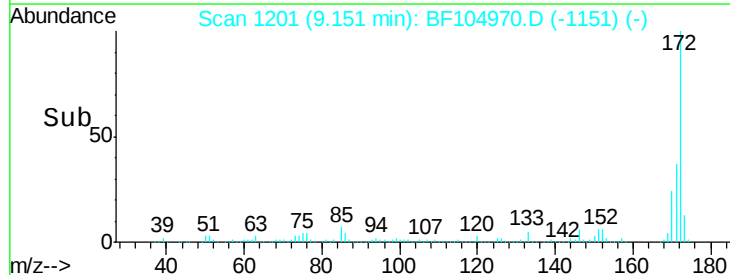
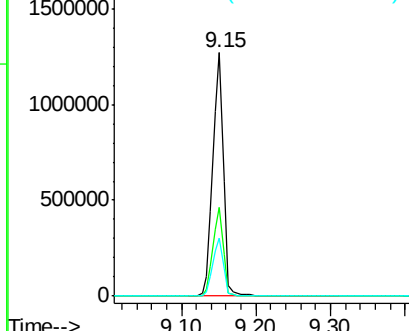


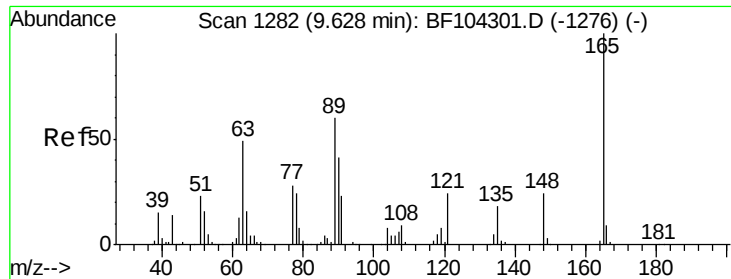
#44
 2-Fluorobiphenyl
 Concen: 94.930 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF104970.D
 Acq: 1 May 2018 8:41

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.7	44.5
170	24.1	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

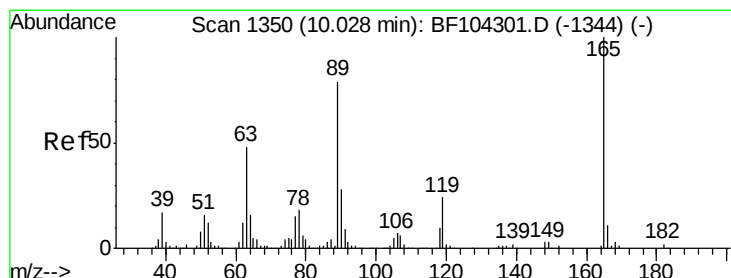
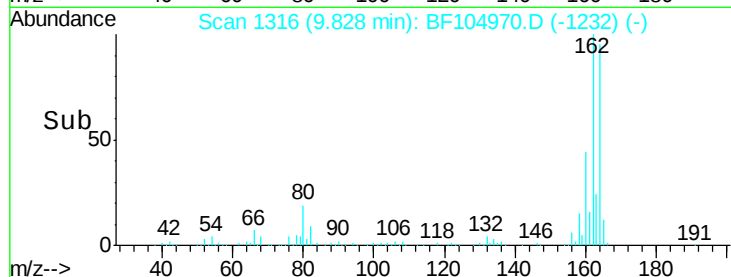
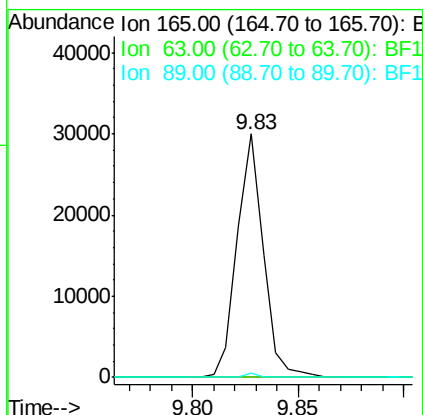
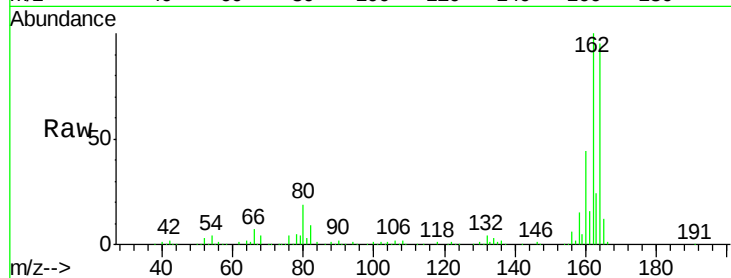




#50
 2,6-Dinitrotoluene
 Concen: 8.470 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. 0.19 min
 Lab File: BF104970.D
 Acq: 1 May 2018 8:41

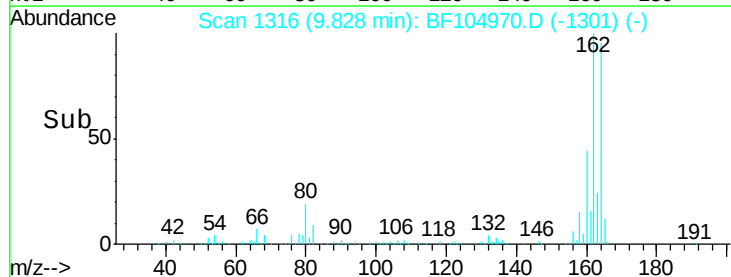
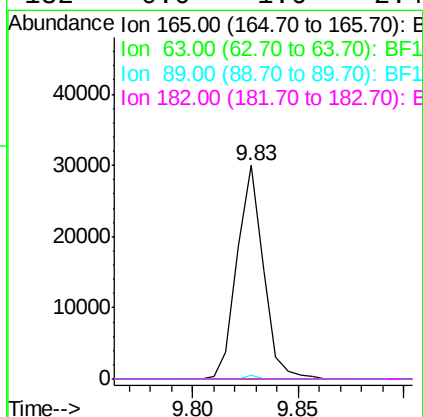
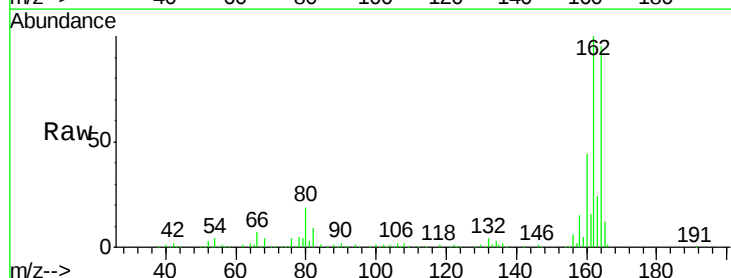
Instrument :
 BNA_F
 ClientSampleId :

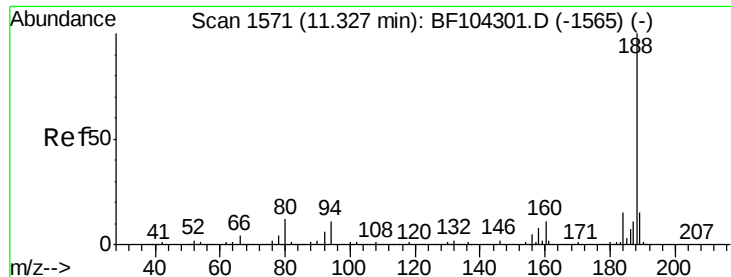
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.7	67.1#
89	1.6	44.0	66.0#



#56
 2,4-Dinitrotoluene
 Concen: 6.457 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.21 min
 Lab File: BF104970.D
 Acq: 1 May 2018 8:41

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

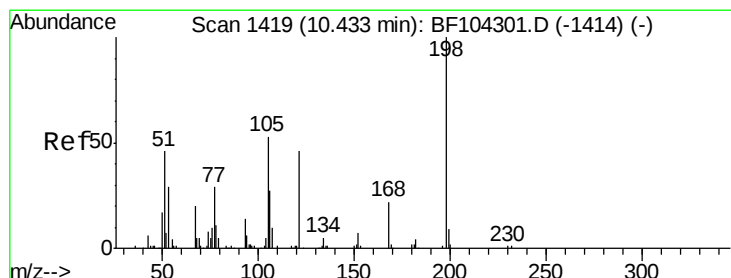
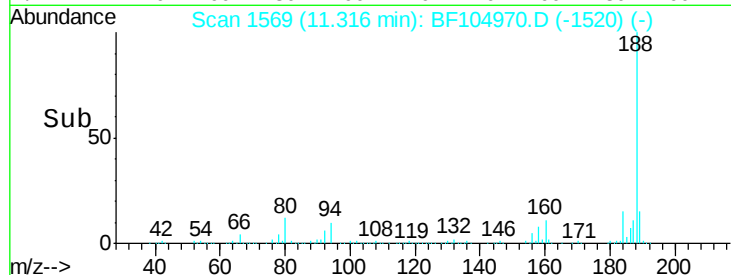
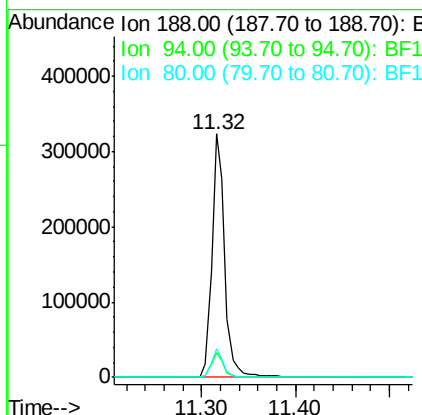
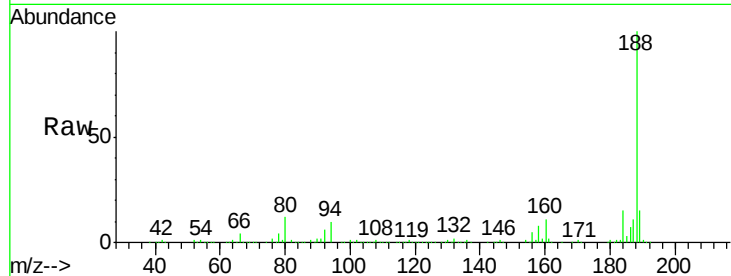




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. -0.01 min
 Lab File: BF104970.D
 Acq: 1 May 2018 8:41

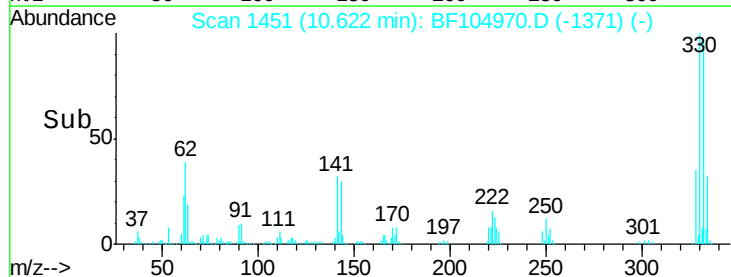
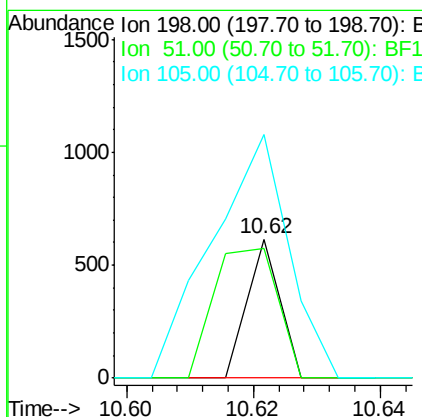
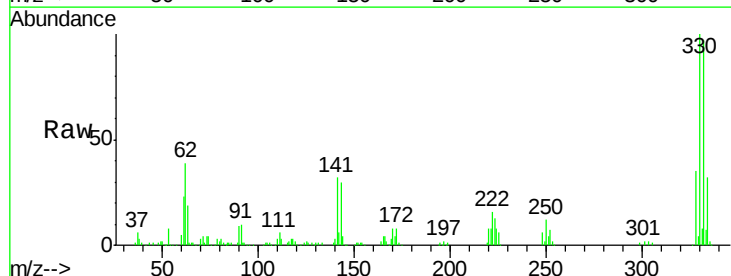
Instrument :
 BNA_F
 ClientSampleId :

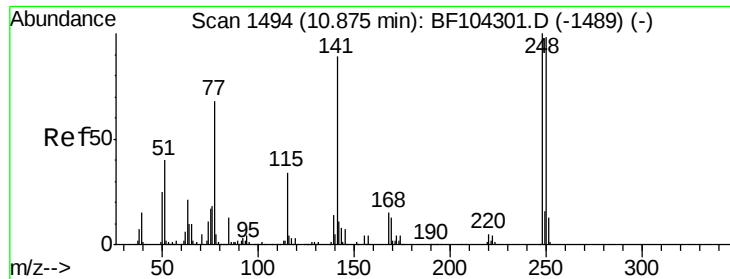
Tot Ion:188 Resp: 312903
 Ion Ratio Lower Upper
 188 100
 94 10.3 8.5 12.7
 80 11.7 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.468 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. 0.17 min
 Lab File: BF104970.D
 Acq: 1 May 2018 8:41

Tgt Ion:198 Resp: 217
 Ion Ratio Lower Upper
 198 100
 51 93.0 37.7 77.7#
 105 175.0 36.3 76.3#

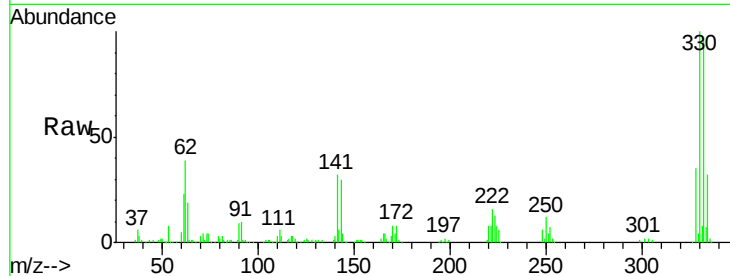




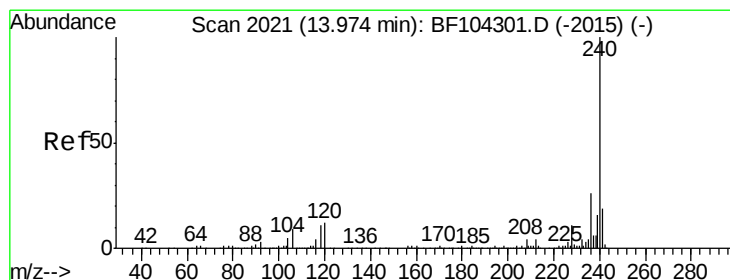
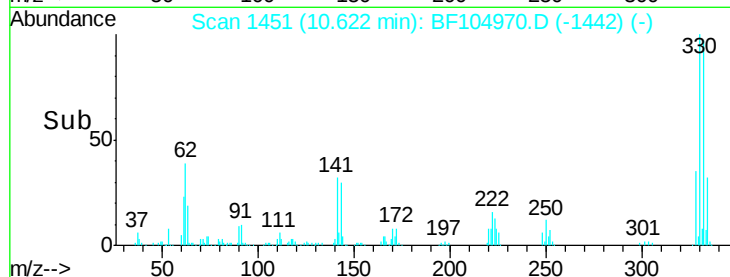
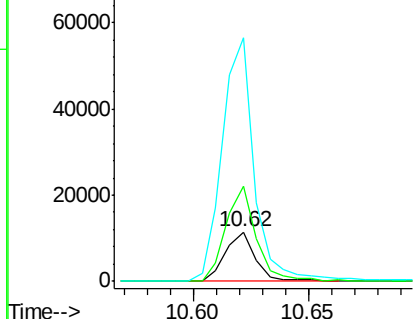
#66
4-Bromophenyl-phenylether
Concen: 3.113 ng
RT: 10.62 min Scan# 1451
Delta R.T. -0.25 min
Lab File: BF104970.D
Acq: 1 May 2018 8:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 10362
Ion Ratio Lower Upper
248 100
250 194.6 76.9 115.3#
141 495.1 74.4 111.6#

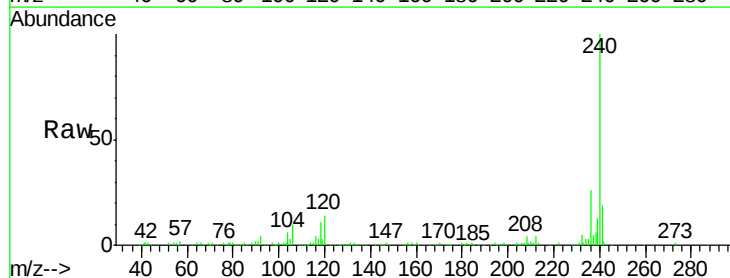


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

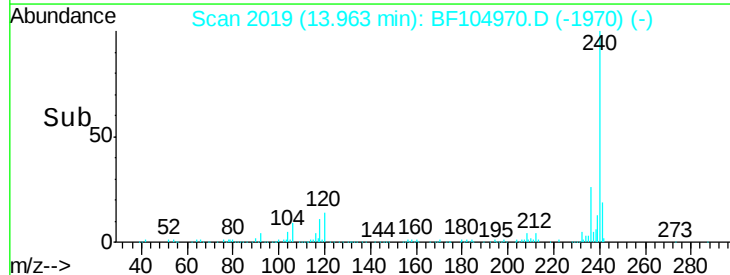
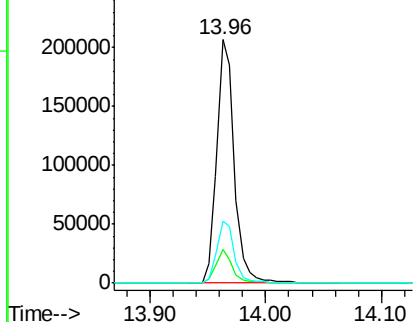


#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF104970.D
Acq: 1 May 2018 8:41

Tgt Ion:240 Resp: 217598
Ion Ratio Lower Upper
240 100
120 13.8 9.5 14.3
236 25.5 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: 93.409 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF104970.D

Acq: 1 May 2018 8:41

Instrument :

BNA_F

ClientSampled :

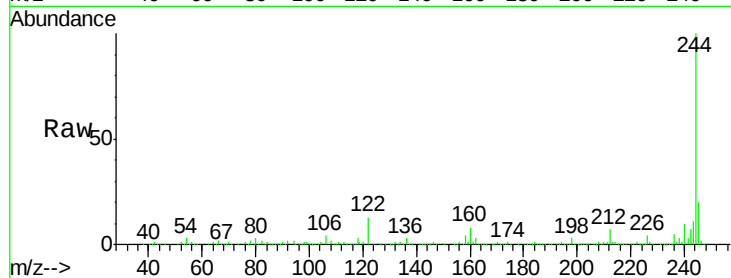
Tot Ion:244 Resp: 891544

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

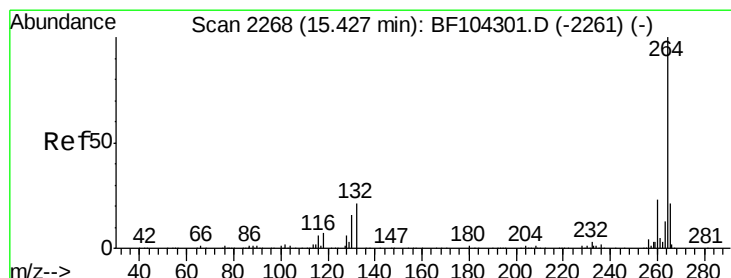
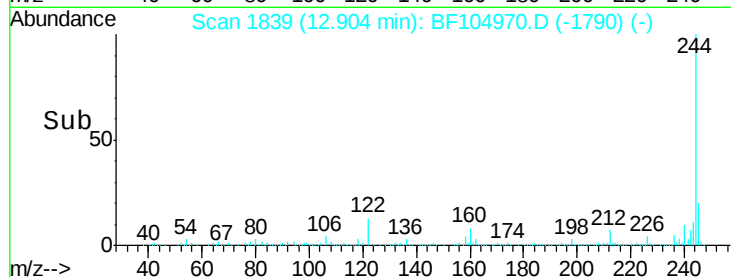
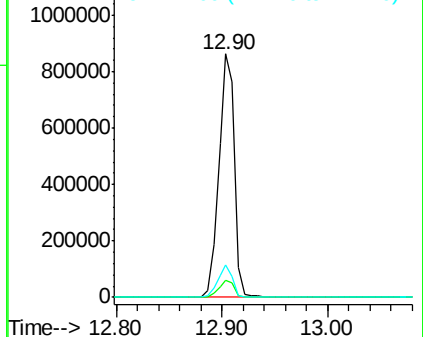
122 13.1 11.0 16.4



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. -0.01 min

Lab File: BF104970.D

Acq: 1 May 2018 8:41

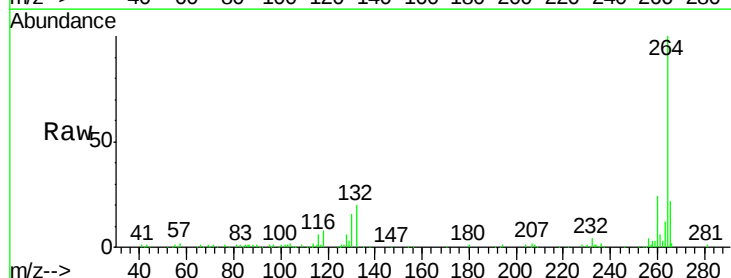
Tgt Ion:264 Resp: 170335

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

265 21.8 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

