

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041318\
 Data File : BF104475.D
 Acq On : 13 Apr 2018 13:47
 Operator : JU/SJ
 Sample : PB108213BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 13 17:39:30 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 13 17:38:31 2018
 Response via : Initial Calibration

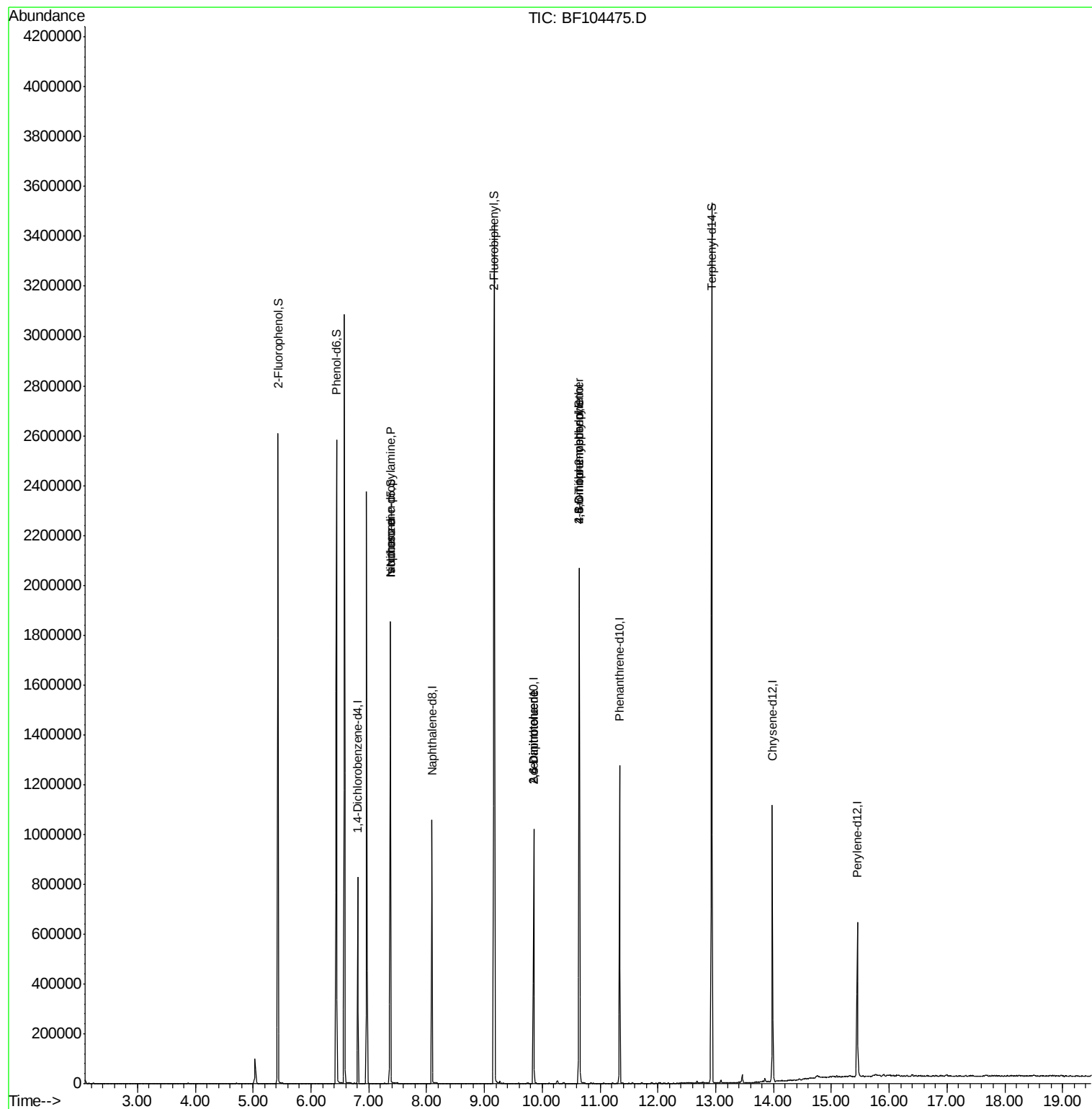
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	113114	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	470409	20.00	ng	0.00
38) Acenaphthene-d10	9.85	164	226778	20.00	ng	-0.01
63) Phenanthrene-d10	11.34	188	431994	20.00	ng	0.00
75) Chrysene-d12	13.98	240	377395	20.00	ng	-0.01
86) Perylene-d12	15.45	264	284794	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	862642	116.61	ng	0.00
7) Phenol-d6	6.45	99	1037567	114.15	ng	0.00
23) Nitrobenzene-d5	7.37	82	648913	90.08	ng	0.00
41) 2,4,6-Tribromophenol	10.65	330	293994	124.97	ng	0.00
44) 2-Fluorobiphenyl	9.17	172	1205004	83.94	ng	0.00
78) Terphenyl-d14	12.93	244	1309971	79.13	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	85953	14.471	ng	# 73
25) Isophorone	7.37	82	649000	42.602	ng	# 64
50) 2,6-Dinitrotoluene	9.85	165	28456	8.599	ng	# 25
56) 2,4-Dinitrotoluene	9.85	165	28456	6.556	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.64	198	590	7.585	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	17735	3.860	ng	# 1
76) Benzidine	12.67	184	5610	Below Cal		99

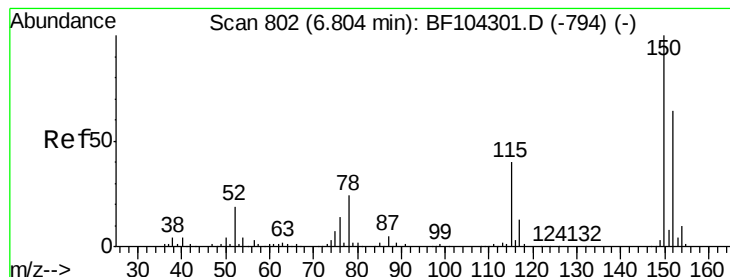
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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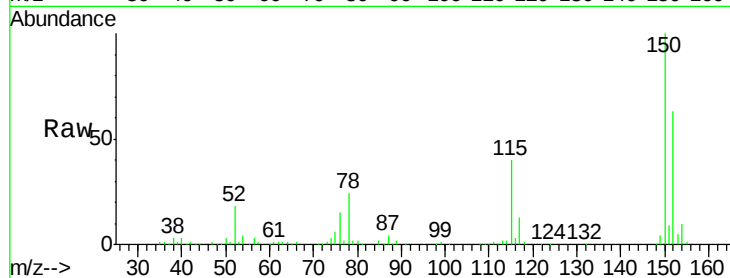


#1

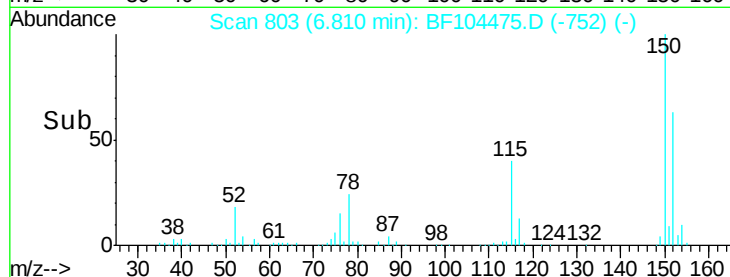
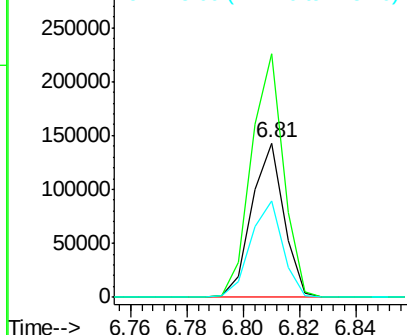
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.81 min Scan# 803
 Delta R.T. 0.00 min
 Lab File: BF104475.D
 Acq: 13 Apr 2018 13:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.6	124.6	186.8
115	62.6	50.1	75.1



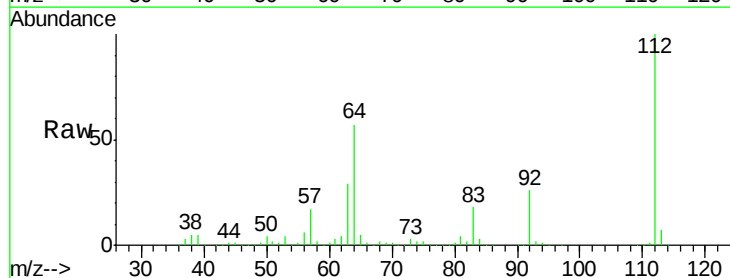
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



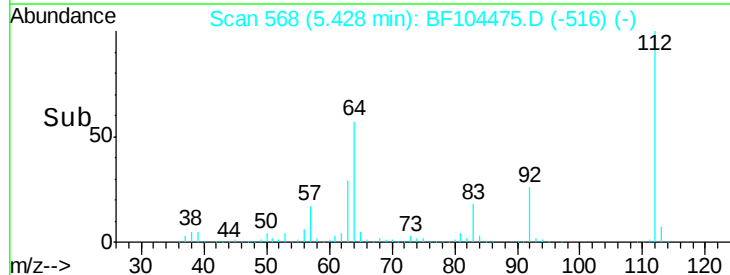
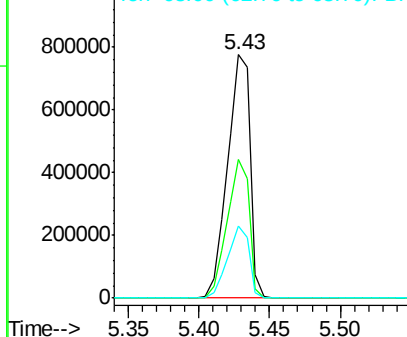
#5

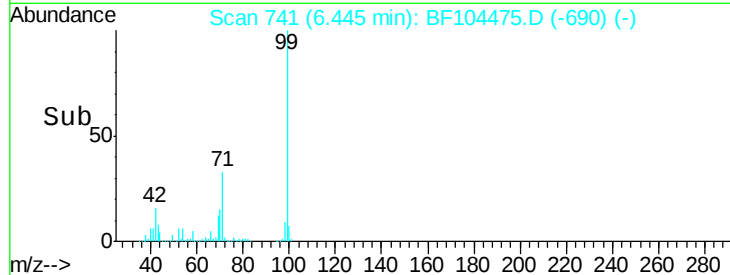
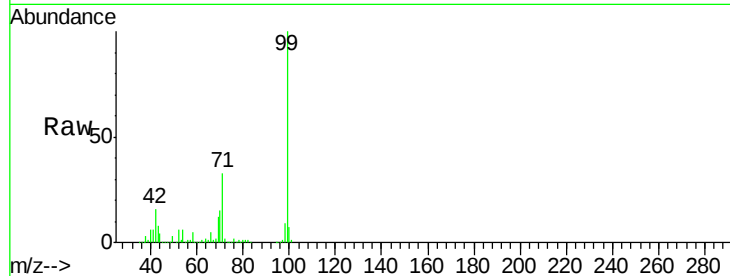
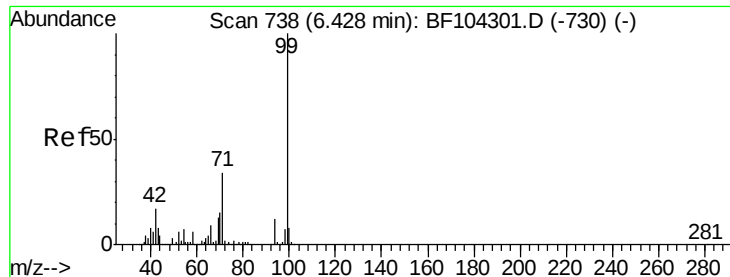
2-Fluorophenol
 Concen: 116.610 ng
 RT: 5.43 min Scan# 568
 Delta R.T. 0.01 min
 Lab File: BF104475.D
 Acq: 13 Apr 2018 13:47

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.9	47.9	71.9
63	29.5	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: 114.153 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF104475.D

Acq: 13 Apr 2018 13:47

Instrument :

BNA_F

ClientSampleId :

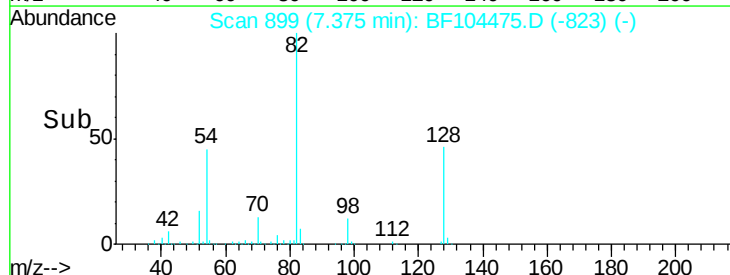
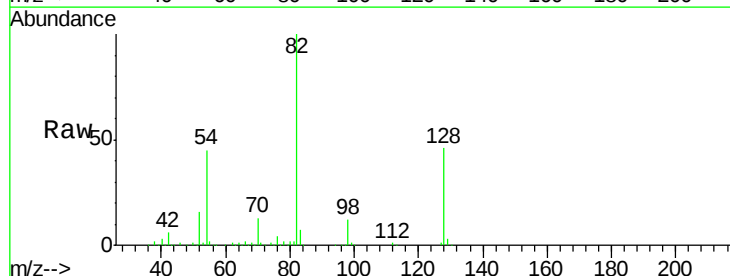
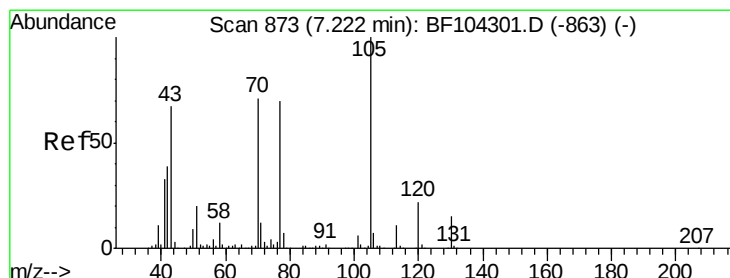
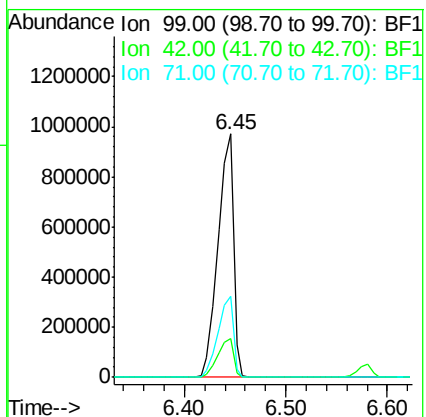
Tot Ion: 99 Resp: 1037567

Ion Ratio Lower Upper

99 100

42 16.0 14.5 21.7

71 33.2 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.471 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.15 min

Lab File: BF104475.D

Acq: 13 Apr 2018 13:47

Tgt Ion: 70 Resp: 85953

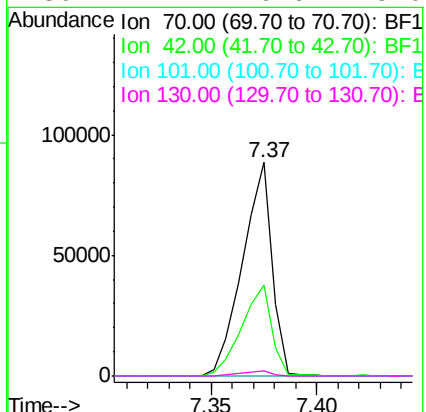
Ion Ratio Lower Upper

70 100

42 42.4 47.5 71.3#

101 0.0 7.4 11.2#

130 2.2 16.6 25.0#

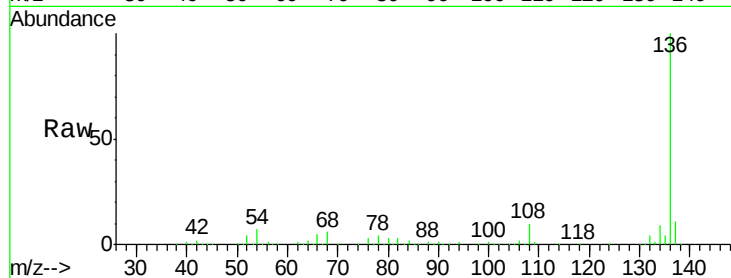




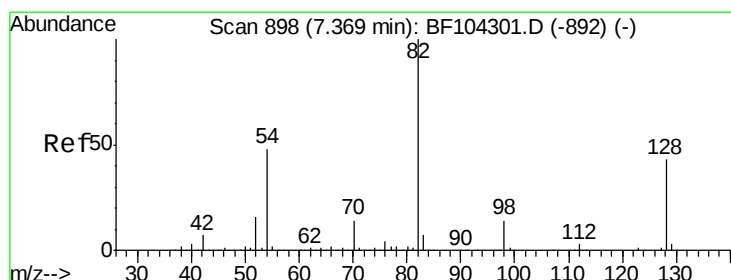
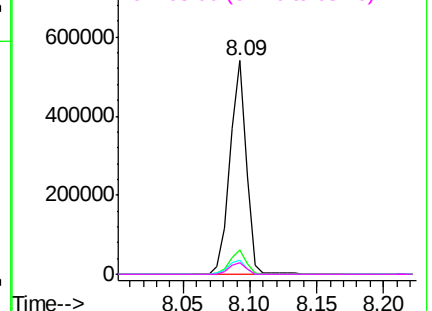
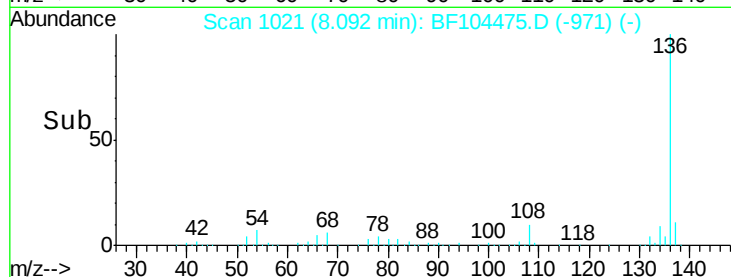
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF104475.D
Acq: 13 Apr 2018 13:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	470409
Ion Ratio	Lower	Upper
136	100	
137	11.2	8.9 13.3
54	6.7	6.6 9.8
68	5.7	5.0 7.4

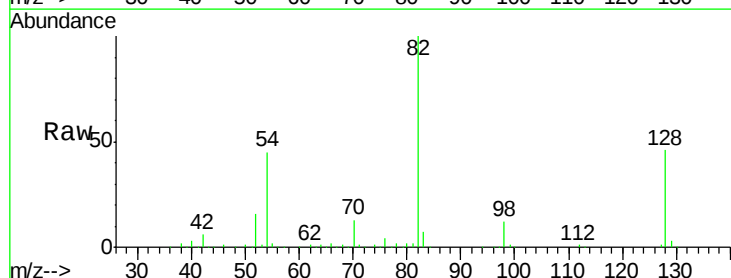


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

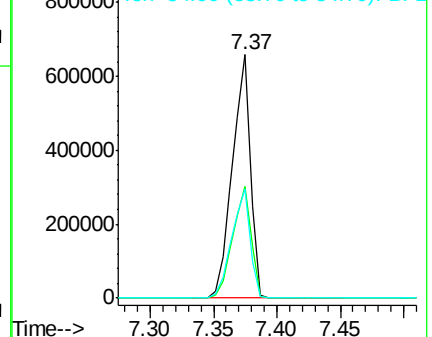
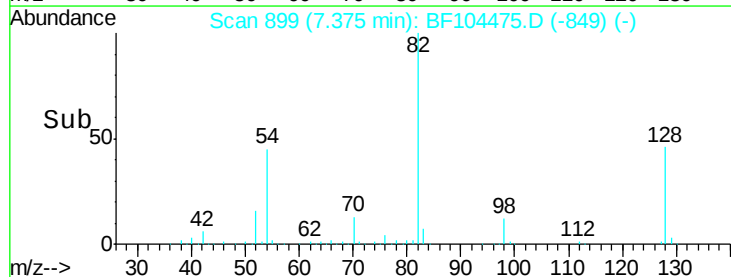


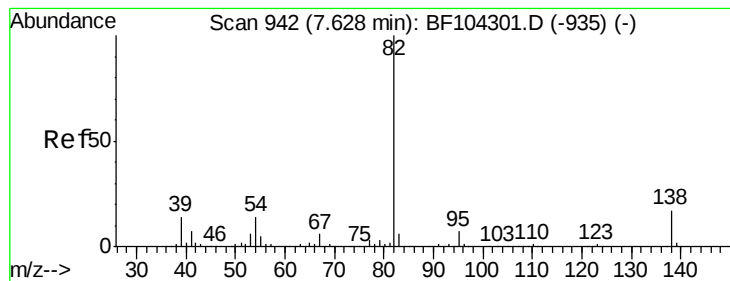
#23
Nitrobenzene-d5
Concen: 90.076 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF104475.D
Acq: 13 Apr 2018 13:47

Tgt Ion: 82	Resp:	648913
Ion Ratio	Lower	Upper
82	100	
128	45.7	36.1 54.1
54	45.0	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: 42.602 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF104475.D

Acq: 13 Apr 2018 13:47

Instrument :

BNA_F

ClientSampled :

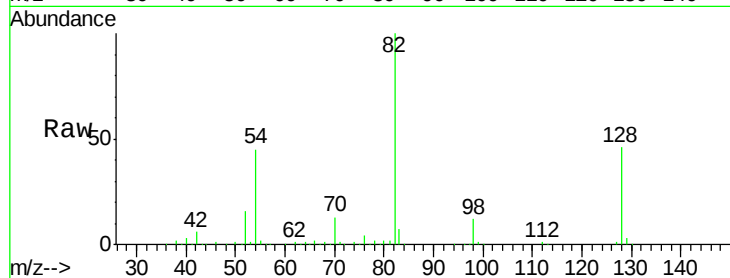
Tot Ion: 82 Resp: 649000

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

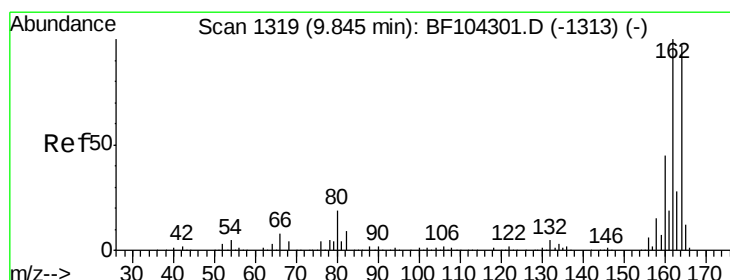
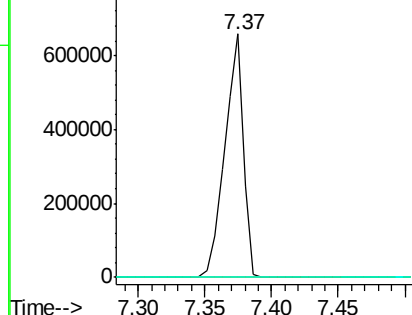
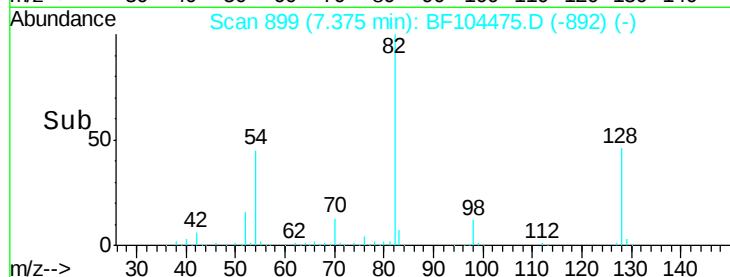
138 0.0 14.9 22.3#



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. -0.01 min

Lab File: BF104475.D

Acq: 13 Apr 2018 13:47

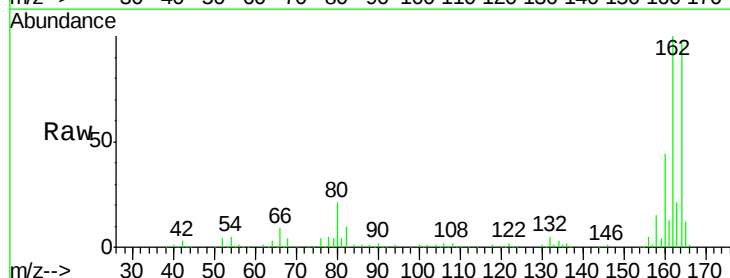
Tgt Ion: 164 Resp: 226778

Ion Ratio Lower Upper

164 100

162 103.5 86.1 129.1

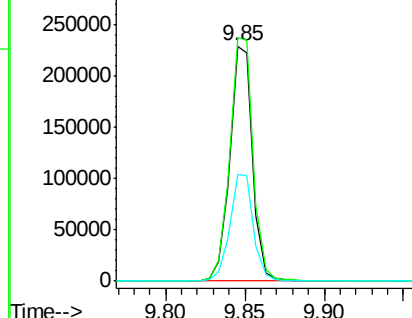
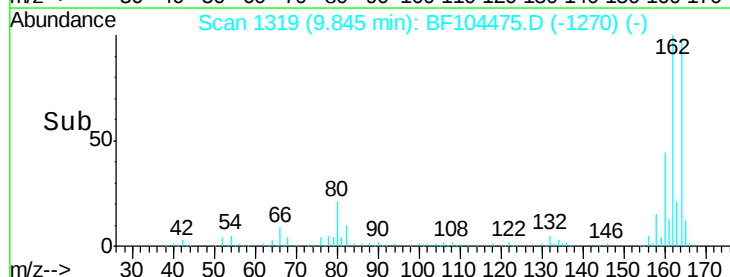
160 45.6 38.3 57.5



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

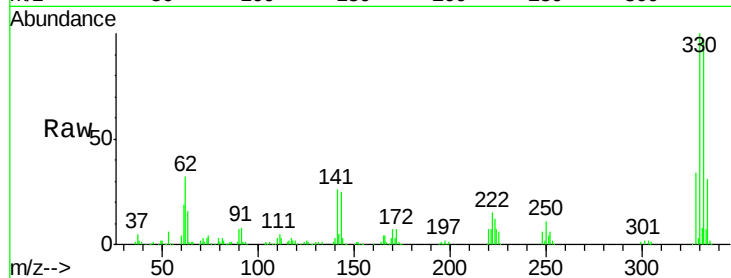




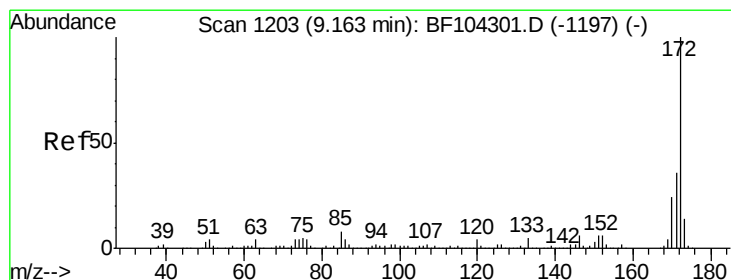
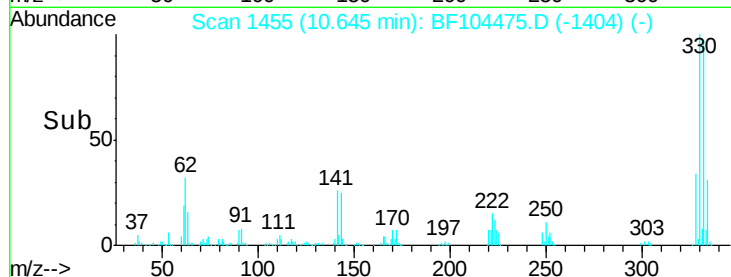
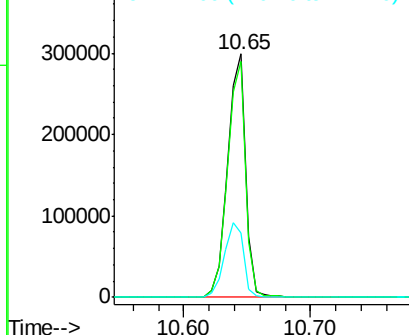
#41
 2,4,6-Tribromophenol
 Concen: 124.975 ng
 RT: 10.65 min Scan# 1455
 Delta R.T. 0.00 min
 Lab File: BF104475.D
 Acq: 13 Apr 2018 13:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.6
141	32.6	29.9	44.9

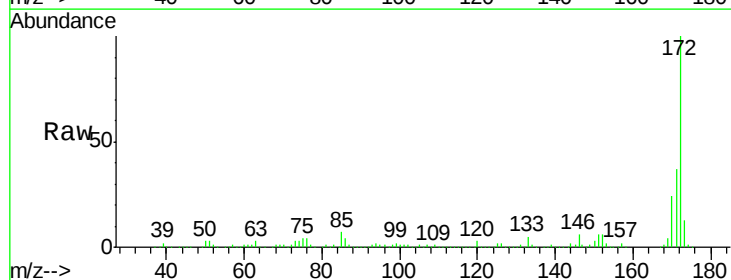


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

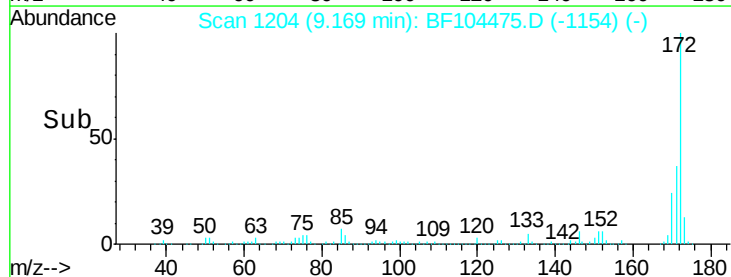
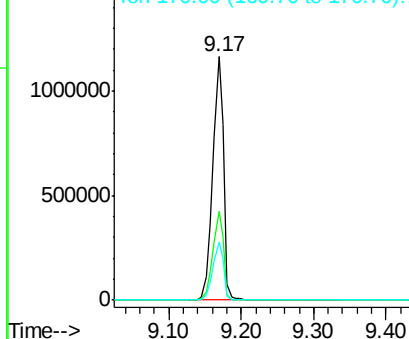


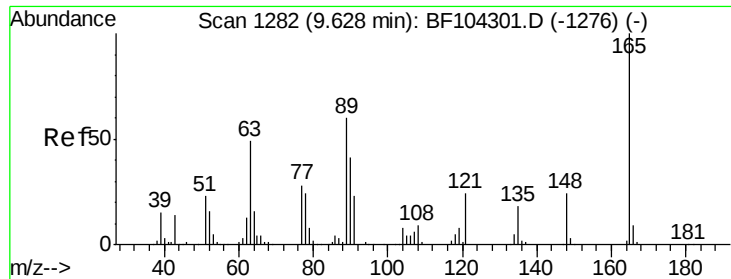
#44
 2-Fluorobiphenyl
 Concen: 83.941 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF104475.D
 Acq: 13 Apr 2018 13:47

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.5	29.7	44.5
170	23.9	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

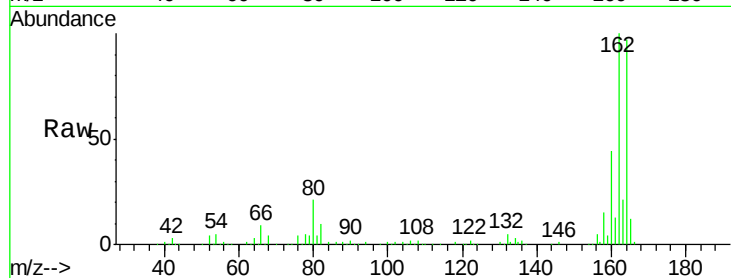




#50
 2,6-Dinitrotoluene
 Concen: 8.599 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. 0.21 min
 Lab File: BF104475.D
 Acq: 13 Apr 2018 13:47

Instrument :
 BNA_F
 ClientSampleId :

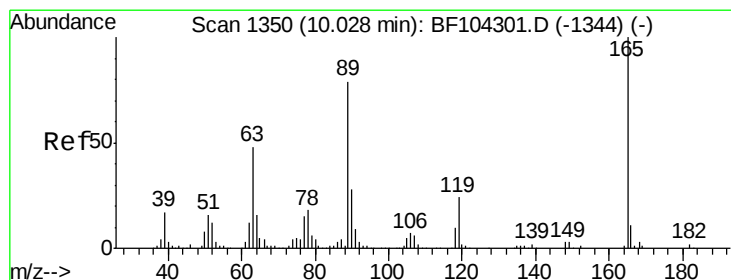
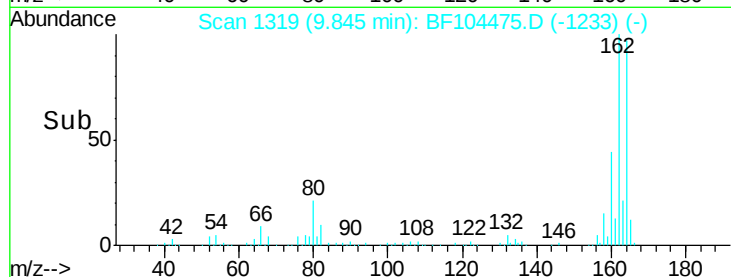
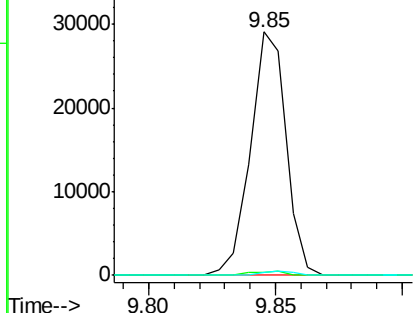
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.2	44.7	67.1#
89	1.1	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

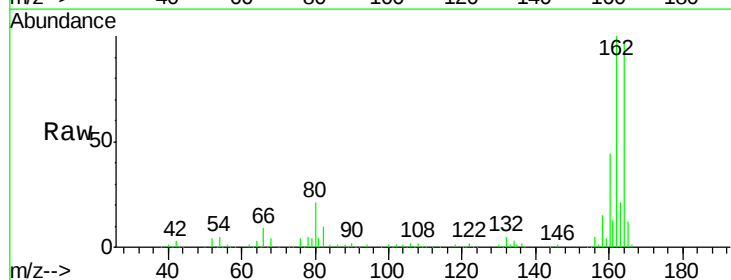
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#56
 2,4-Dinitrotoluene
 Concen: 6.556 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.20 min
 Lab File: BF104475.D
 Acq: 13 Apr 2018 13:47

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.2	36.4	54.6#
89	1.1	57.8	86.6#
182	0.0	1.6	2.4#

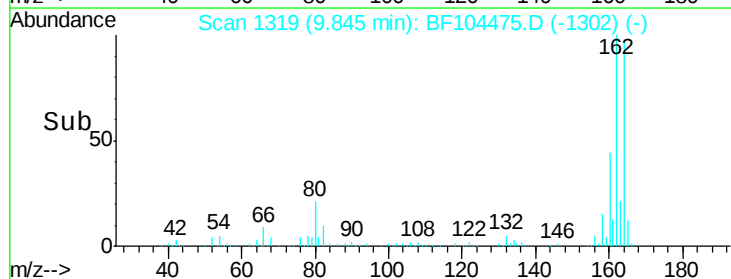
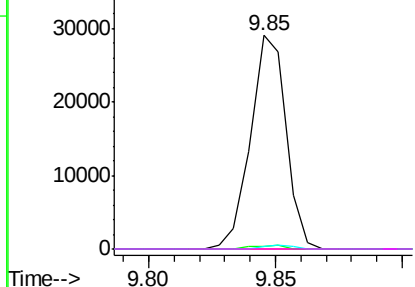


Abundance Ion 165.00 (164.70 to 165.70): E

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

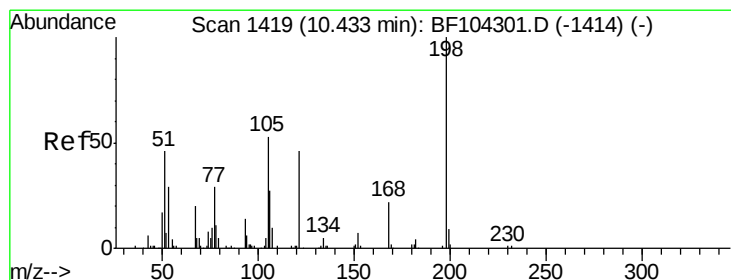
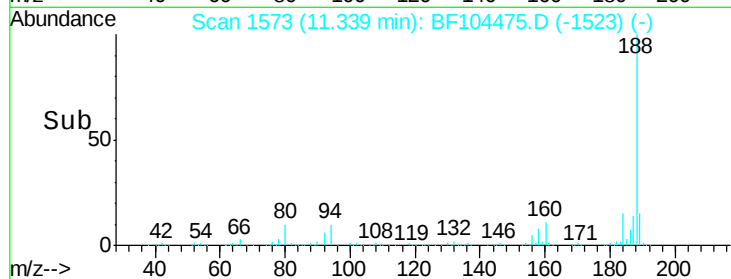
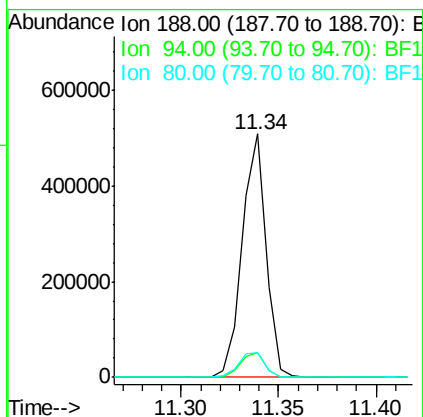
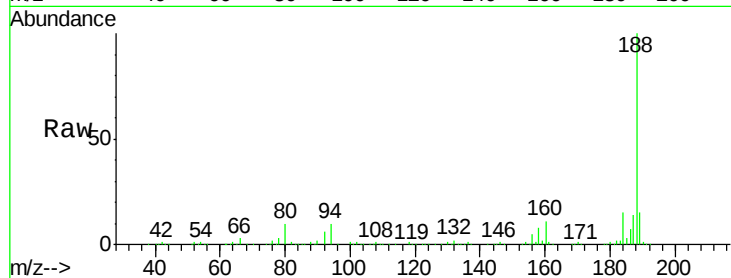




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF104475.D
Acq: 13 Apr 2018 13:47

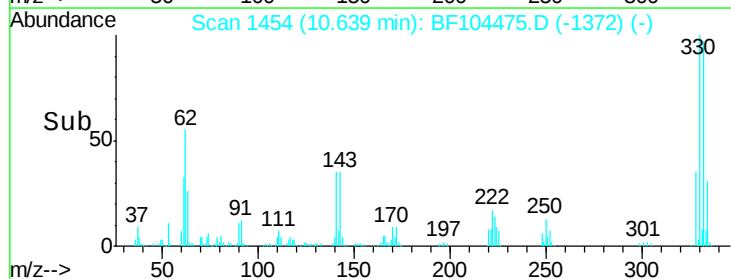
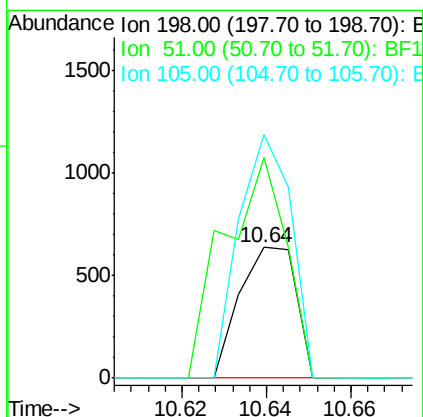
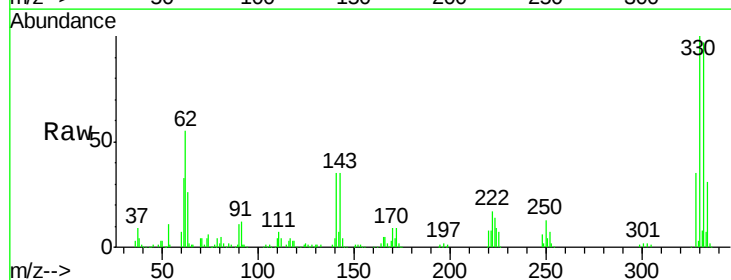
Instrument :
BNA_F
ClientSampleId :

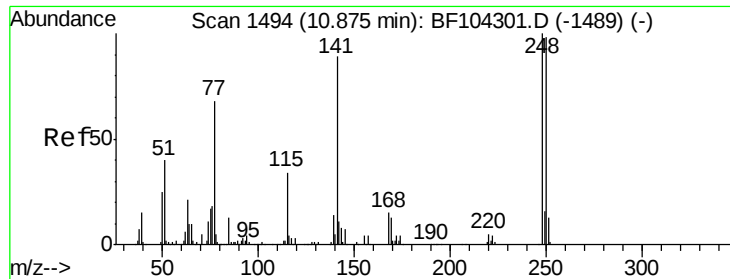
Tot Ion:188 Resp: 431994
Ion Ratio Lower Upper
188 100
94 10.0 8.5 12.7
80 10.3 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 7.585 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.18 min
Lab File: BF104475.D
Acq: 13 Apr 2018 13:47

Tgt Ion:198 Resp: 590
Ion Ratio Lower Upper
198 100
51 168.8 37.7 77.7#
105 186.2 36.3 76.3#

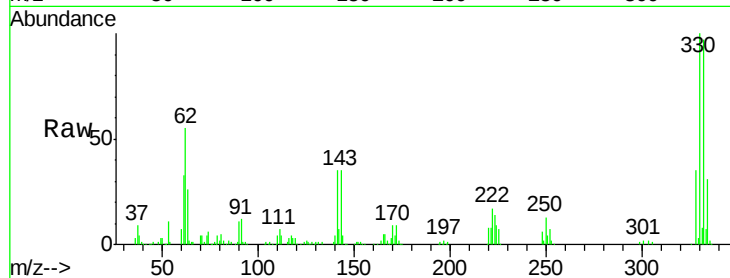




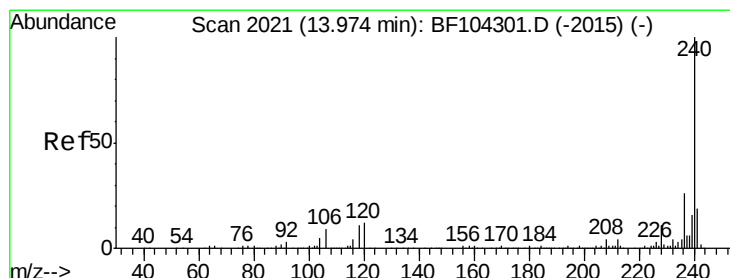
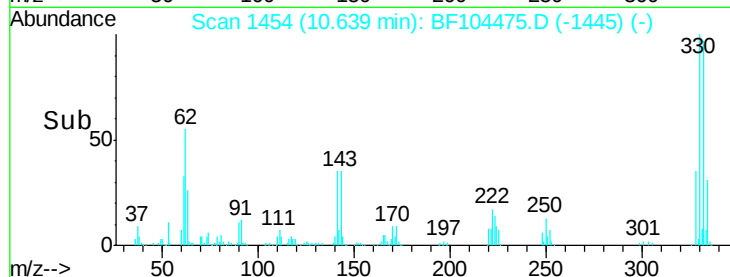
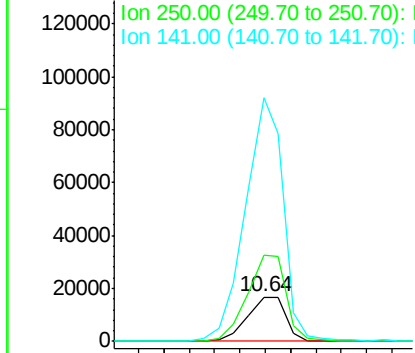
#66
4-Bromophenyl-phenylether
Concen: 3.860 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.25 min
Lab File: BF104475.D
Acq: 13 Apr 2018 13:47

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 17735
Ion Ratio Lower Upper
248 100
250 195.3 76.9 115.3#
141 548.4 74.4 111.6#

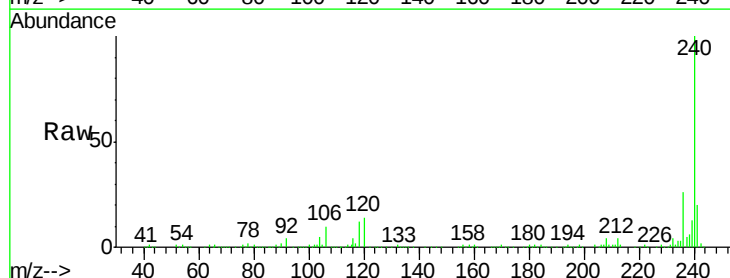


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

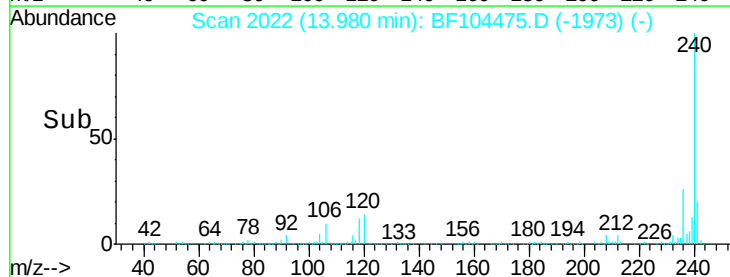
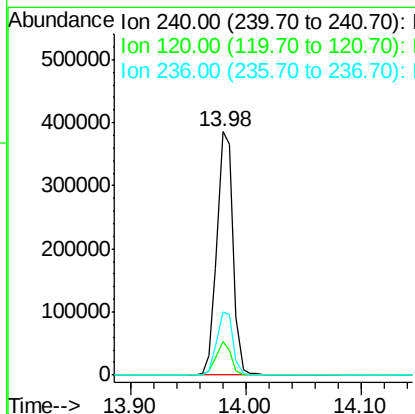


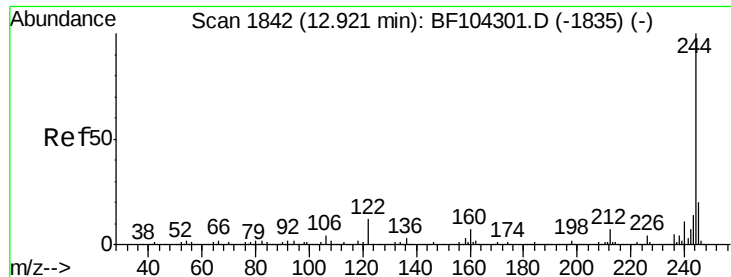
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF104475.D
Acq: 13 Apr 2018 13:47

Tgt Ion:240 Resp: 377395
Ion Ratio Lower Upper
240 100
120 13.7 9.5 14.3
236 26.1 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

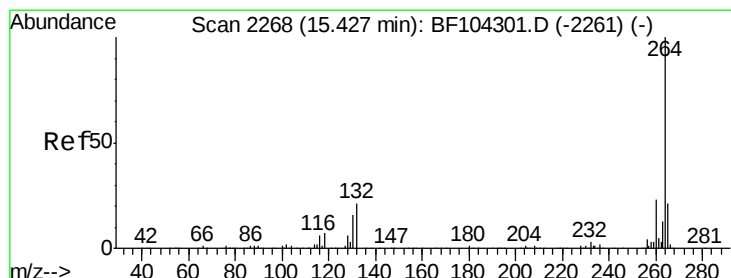
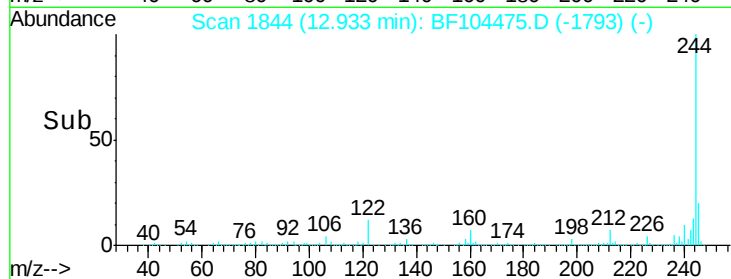
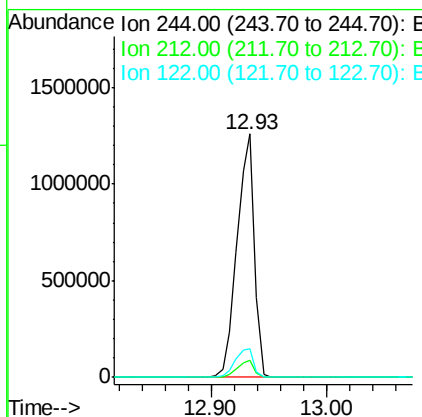
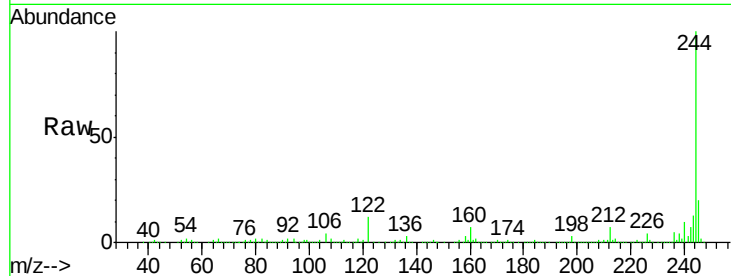




#78
 Terphenyl-d14
 Concen: 79.135 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. 0.00 min
 Lab File: BF104475.D
 Acq: 13 Apr 2018 13:47

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1309971
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 11.9 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.45 min Scan# 2272
 Delta R.T. -0.01 min
 Lab File: BF104475.D
 Acq: 13 Apr 2018 13:47

Tgt Ion:264 Resp: 284794
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.2 28.8
 265 20.8 17.5 26.3

