

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041818\
 Data File : BF104613.D
 Acq On : 18 Apr 2018 20:24
 Operator : JU/SJ
 Sample : PB108320TB
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 19 01:16:29 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 18 11:52:19 2018
 Response via : Initial Calibration

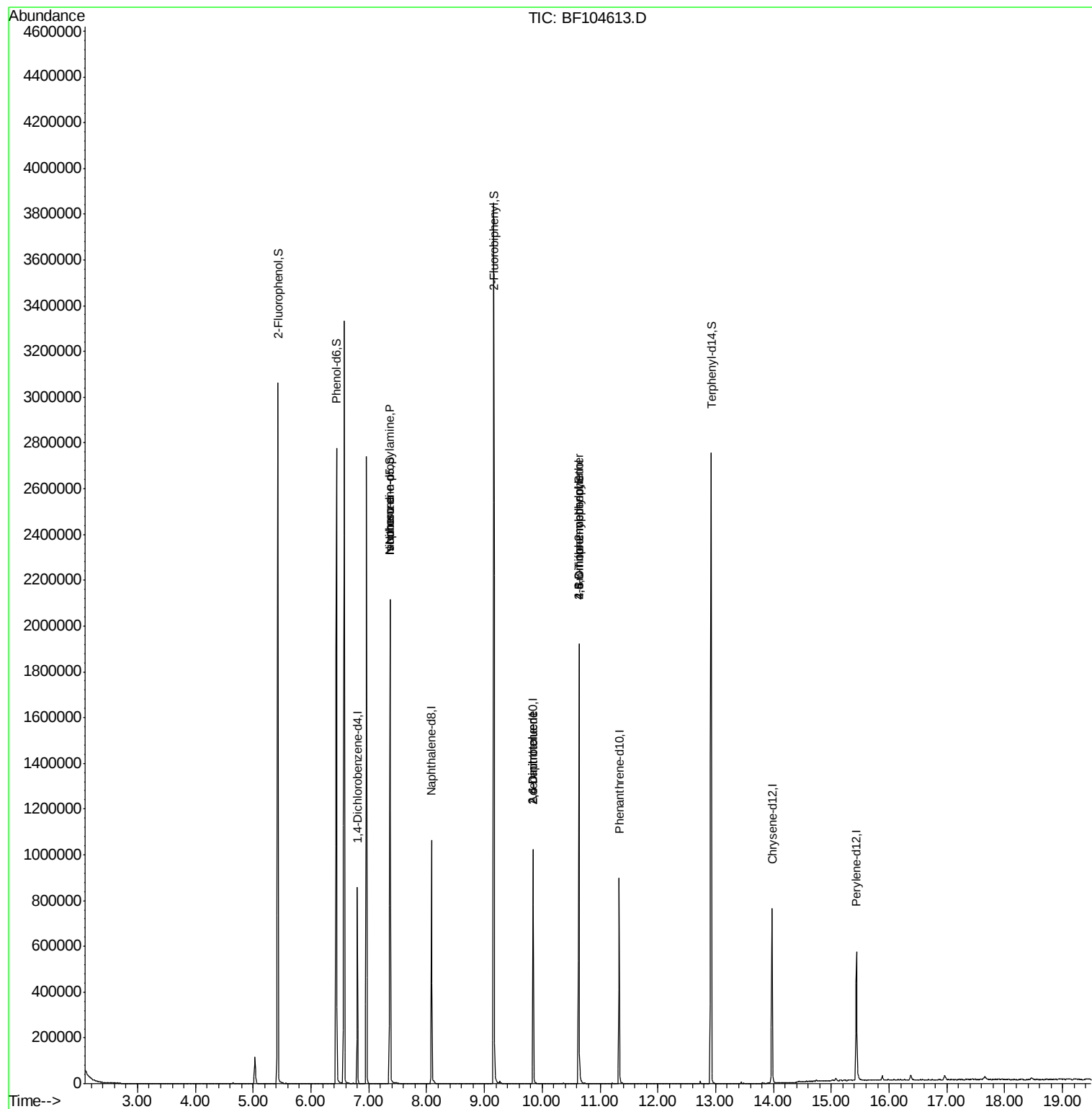
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	126563	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	496684	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	201472	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	321731	20.00	ng	0.00
75) Chrysene-d12	13.97	240	278010	20.00	ng	0.00
86) Perylene-d12	15.43	264	269462	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1006090	121.55	ng	0.01
7) Phenol-d6	6.45	99	1203225	118.31	ng	0.00
23) Nitrobenzene-d5	7.37	82	758146	99.67	ng	0.00
41) 2,4,6-Tribromophenol	10.63	330	241153	115.39	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1239971	97.23	ng	0.00
78) Terphenyl-d14	12.92	244	1010590	82.87	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	99291	14.941	ng	# 73
25) Isophorone	7.37	82	758138	47.134	ng	# 64
50) 2,6-Dinitrotoluene	9.84	165	25000	8.504	ng	# 25
56) 2,4-Dinitrotoluene	9.84	165	25000	6.483	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.63	198	382	7.554	ng	# 12
66) 4-Bromophenyl-phenylether	10.63	248	14289	4.175	ng	# 1
76) Benzidine	12.92	184	12944	Below Cal		97

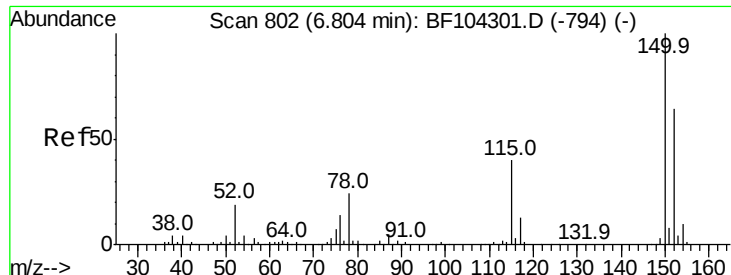
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc :
ALS Vial : 27 Sample Multiplier: 1

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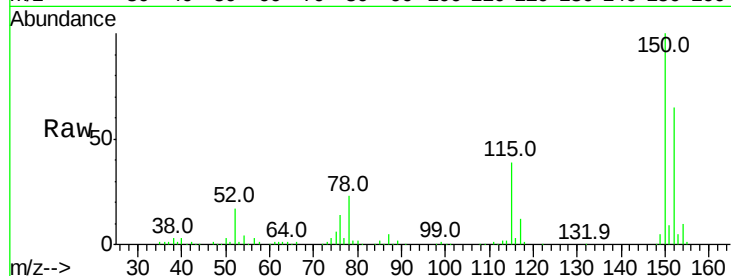


#1

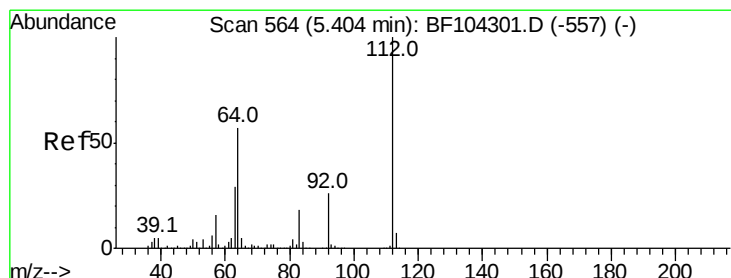
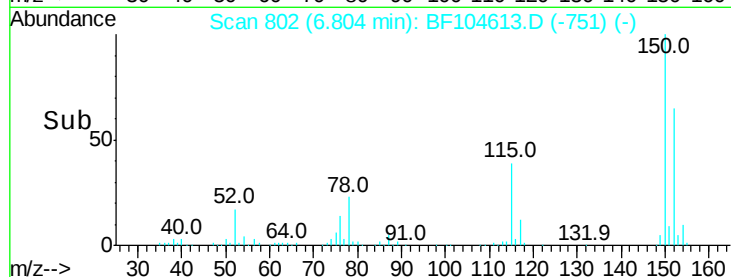
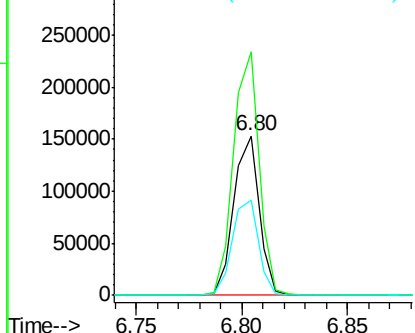
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF104613.D
Acq: 18 Apr 2018 20:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 126563
Ion Ratio Lower Upper
152 100
150 153.0 124.6 186.8
115 60.0 50.1 75.1



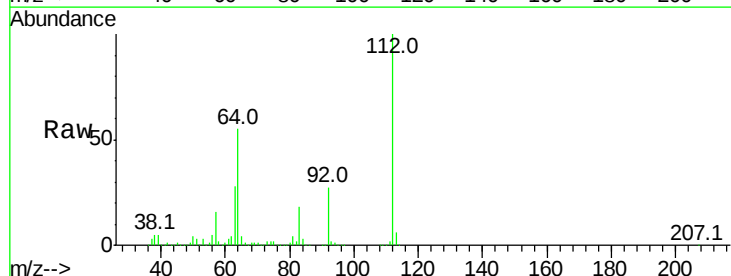
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



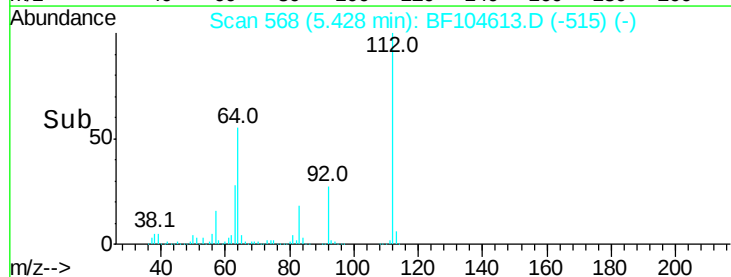
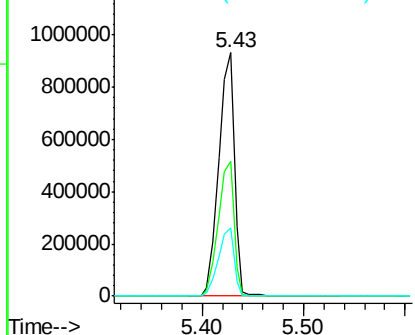
#5

2-Fluorophenol
Concen: 121.550 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF104613.D
Acq: 18 Apr 2018 20:24

Tgt Ion:112 Resp: 1006090
Ion Ratio Lower Upper
112 100
64 55.2 47.9 71.9
63 28.3 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: 118.311 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF104613.D

Acq: 18 Apr 2018 20:24

Instrument :

BNA_F

ClientSampled :

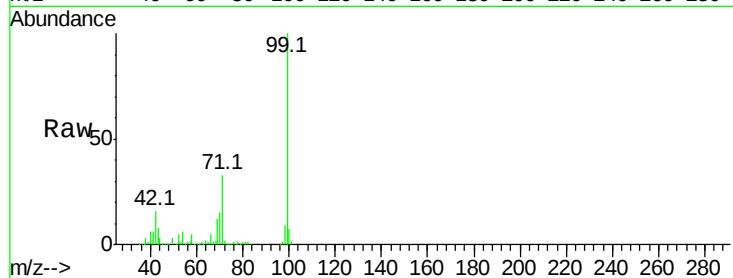
Tot Ion: 99 Resp: 1203225

Ion Ratio Lower Upper

99 100

42 15.6 14.5 21.7

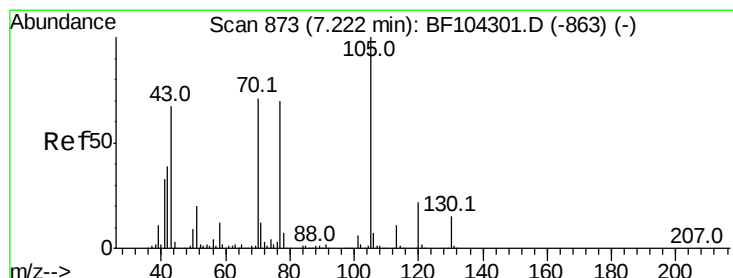
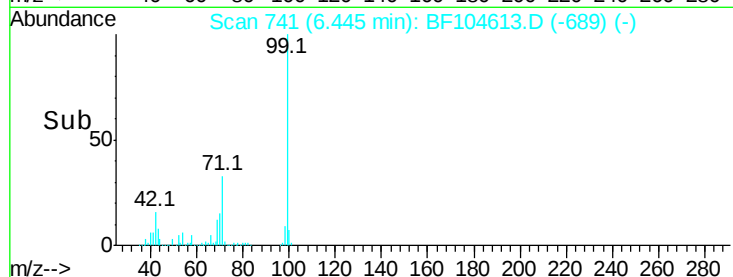
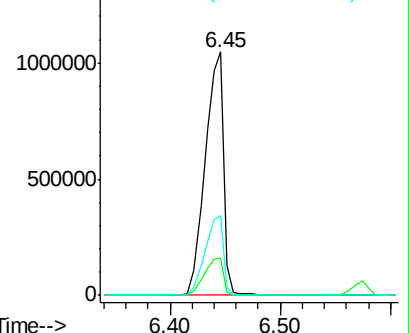
71 32.6 25.4 38.0



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: 14.941 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104613.D

Acq: 18 Apr 2018 20:24

Tgt Ion: 70 Resp: 99291

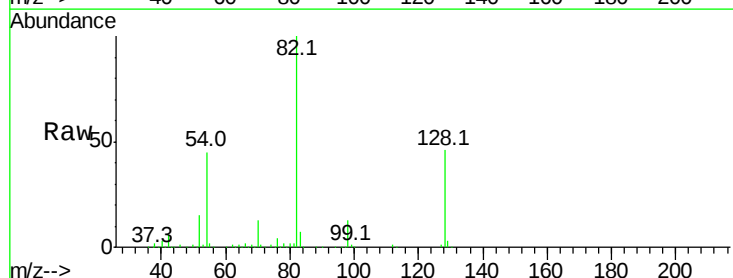
Ion Ratio Lower Upper

70 100

42 42.6 47.5 71.3#

101 0.0 7.4 11.2#

130 2.4 16.6 25.0#

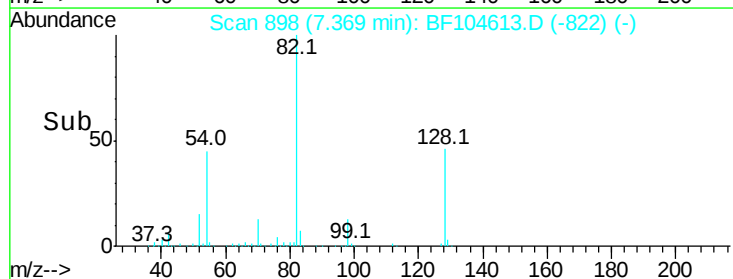
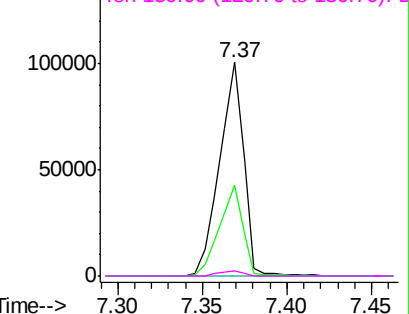


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

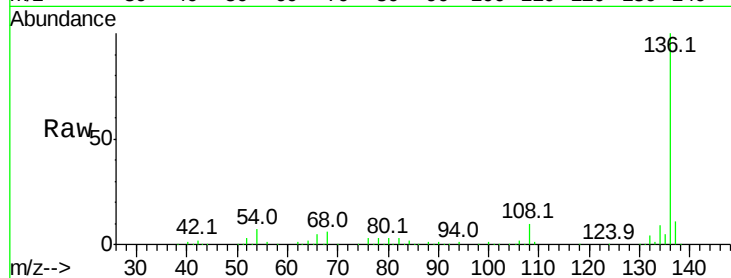




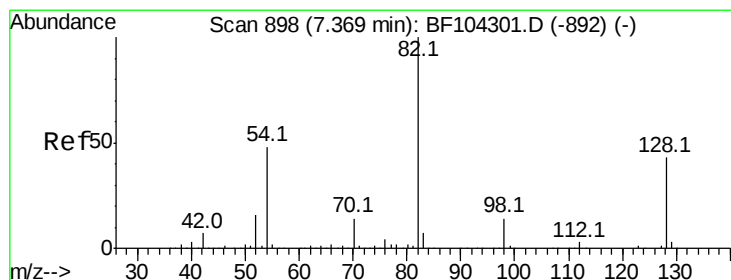
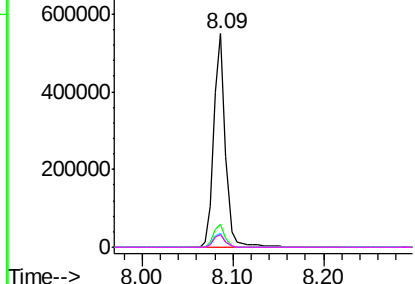
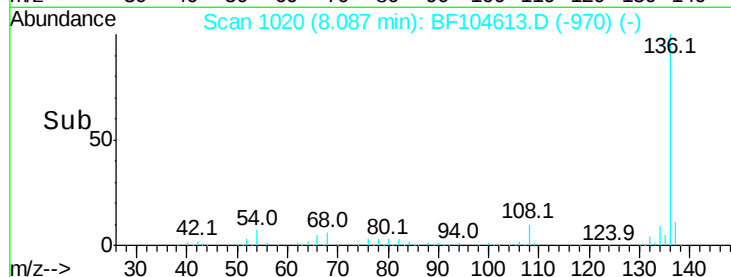
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF104613.D
Acq: 18 Apr 2018 20:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:	136	Resp:	496684
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	6.7	6.6	9.8
68	5.9	5.0	7.4

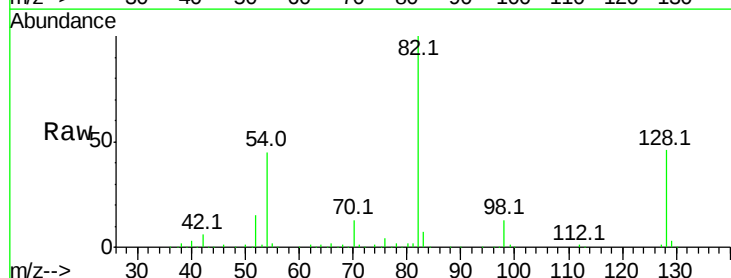


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

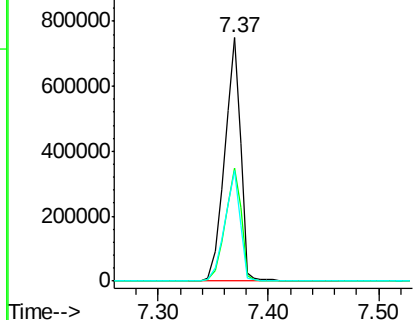
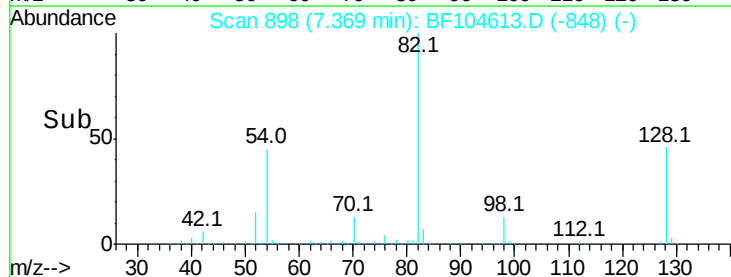


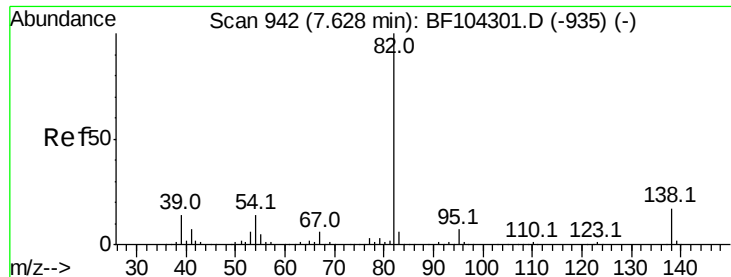
#23
Nitrobenzene-d5
Concen: 99.672 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104613.D
Acq: 18 Apr 2018 20:24

Tgt Ion:	82	Resp:	758146
Ion	Ratio	Lower	Upper
82	100		
128	46.3	36.1	54.1
54	45.2	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: 47.134 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104613.D

Acq: 18 Apr 2018 20:24

Instrument :

BNA_F

ClientSampled :

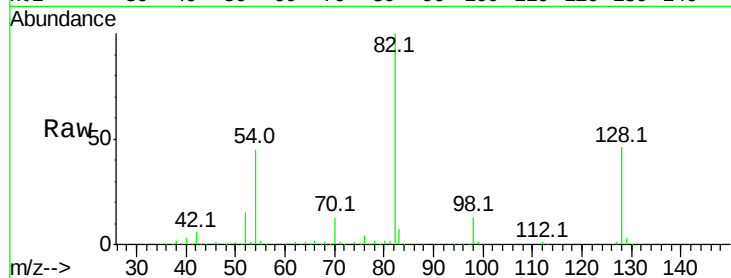
Tot Ion: 82 Resp: 758138

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

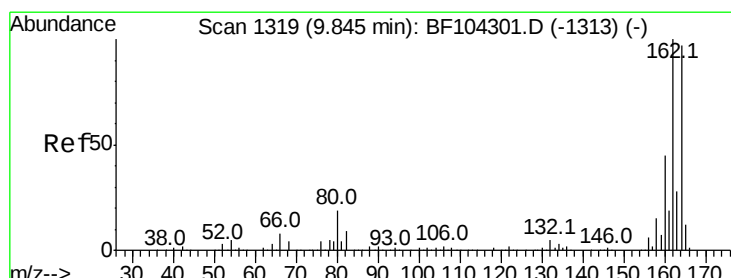
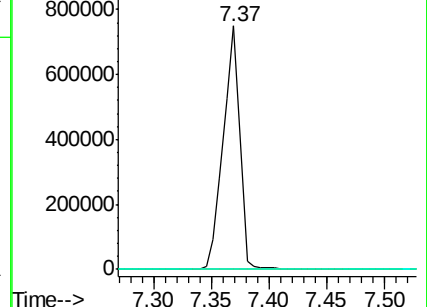
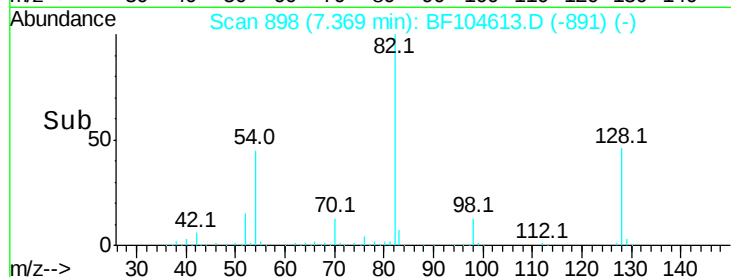
138 0.0 14.9 22.3#



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: BF104613.D

Acq: 18 Apr 2018 20:24

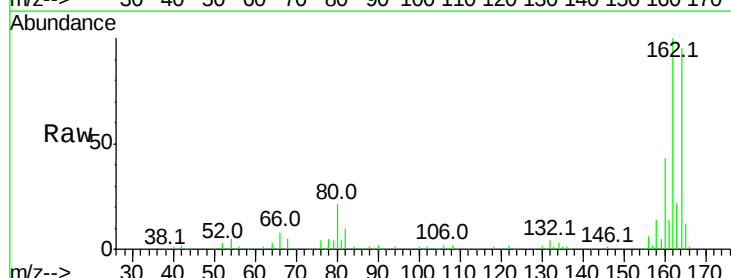
Tgt Ion:164 Resp: 201472

Ion Ratio Lower Upper

164 100

162 105.3 86.1 129.1

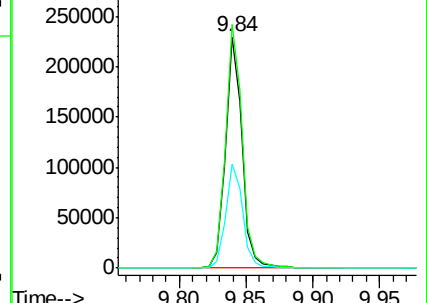
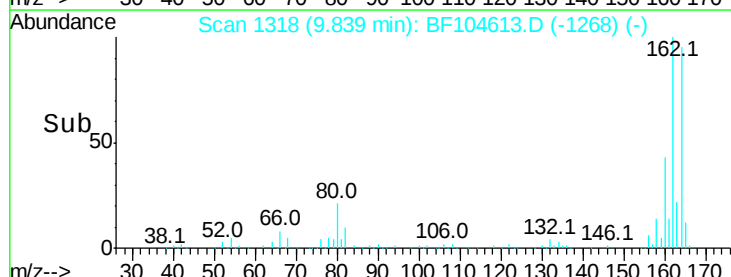
160 45.0 38.3 57.5



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

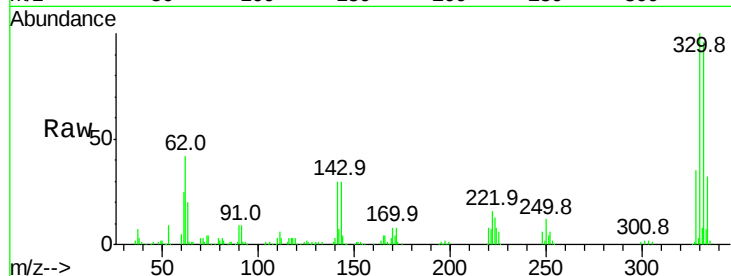




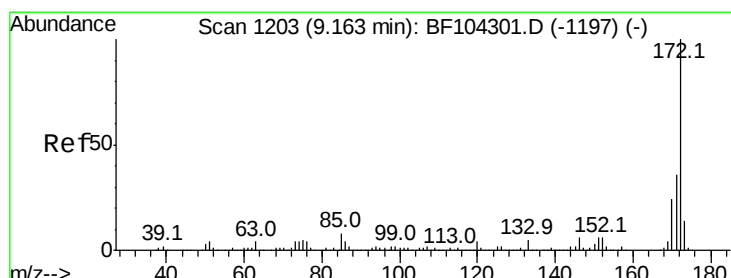
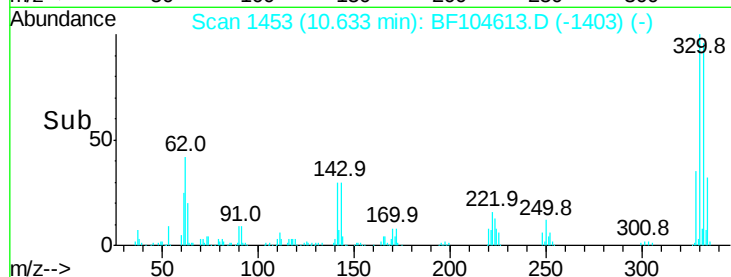
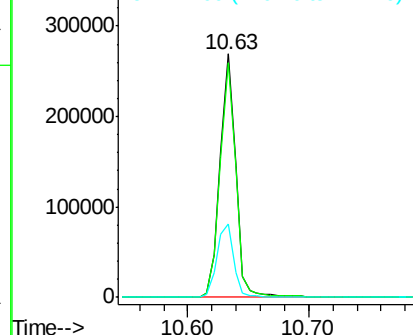
#41
 2,4,6-Tribromophenol
 Concen: 115.388 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104613.D
 Acq: 18 Apr 2018 20:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.0	115.6
141	32.9	29.9	44.9

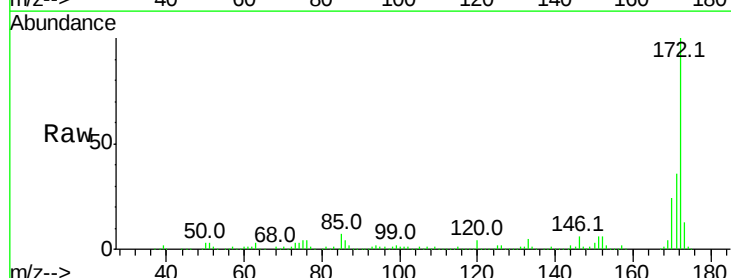


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

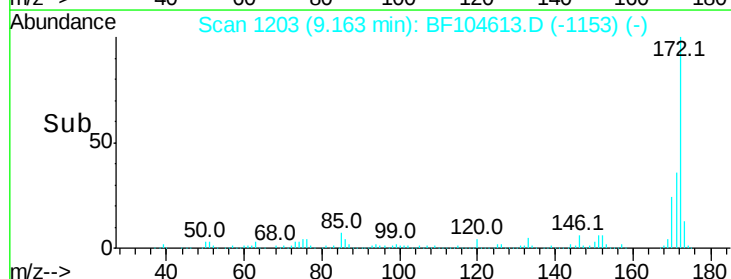
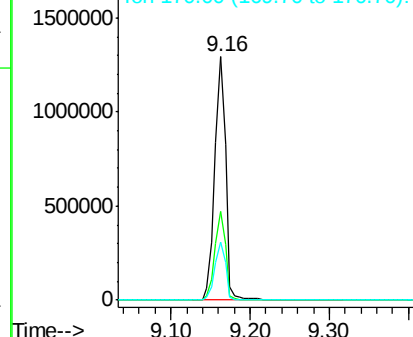


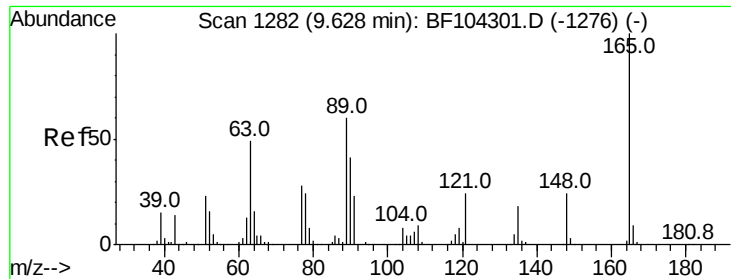
#44
 2-Fluorobiphenyl
 Concen: 97.227 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF104613.D
 Acq: 18 Apr 2018 20:24

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.2	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

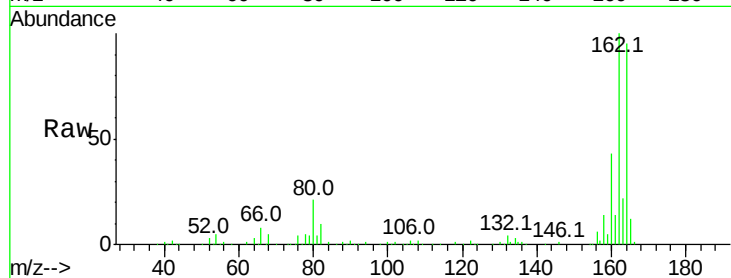




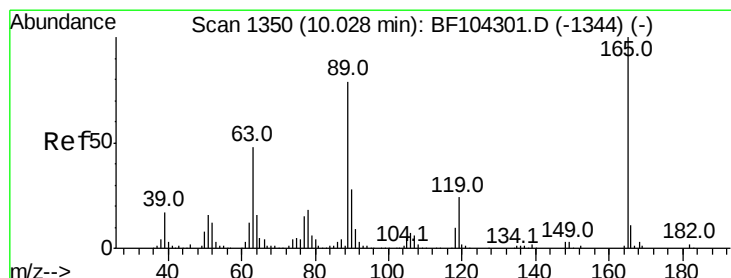
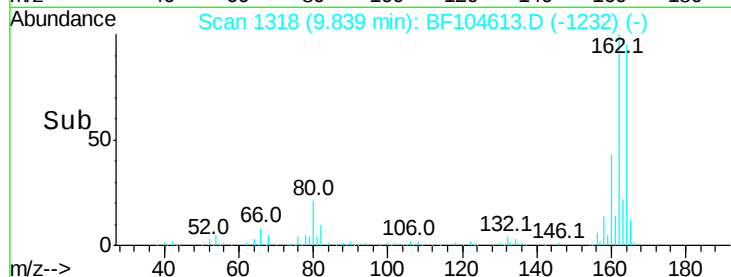
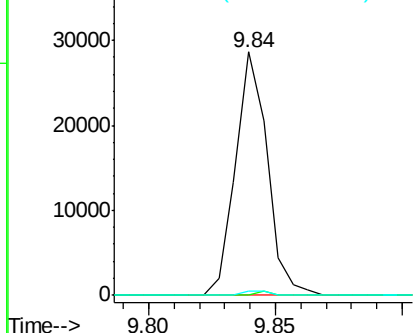
#50
 2,6-Dinitrotoluene
 Concen: 8.504 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.21 min
 Lab File: BF104613.D
 Acq: 18 Apr 2018 20:24

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#

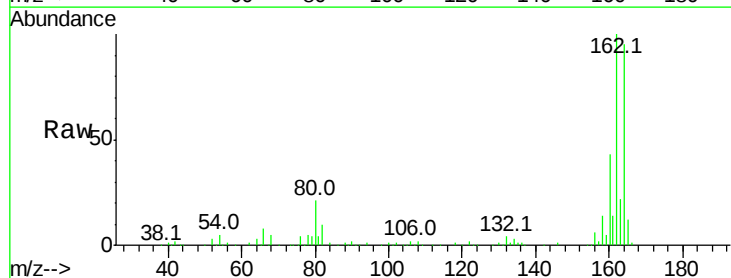


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

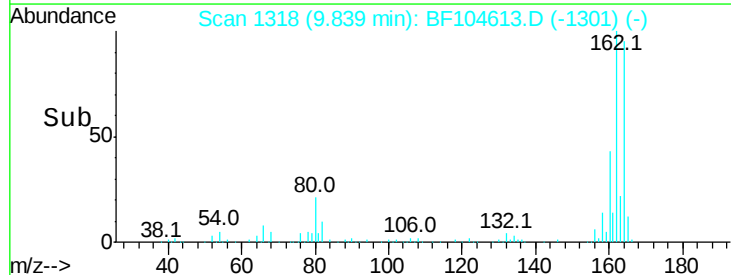
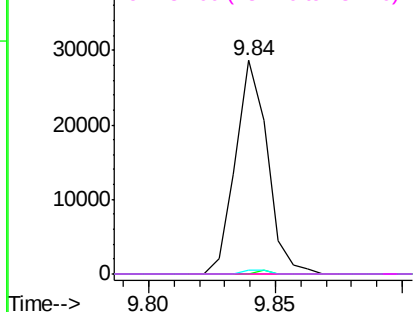


#56
 2,4-Dinitrotoluene
 Concen: 6.483 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.20 min
 Lab File: BF104613.D
 Acq: 18 Apr 2018 20:24

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#



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

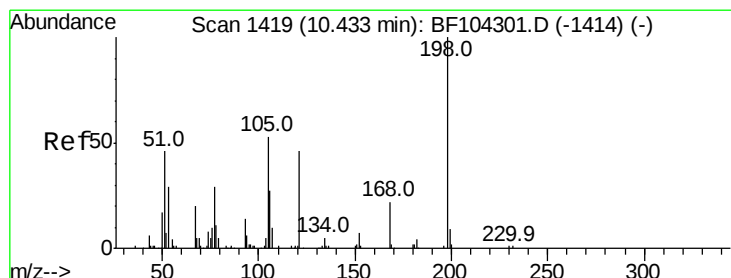
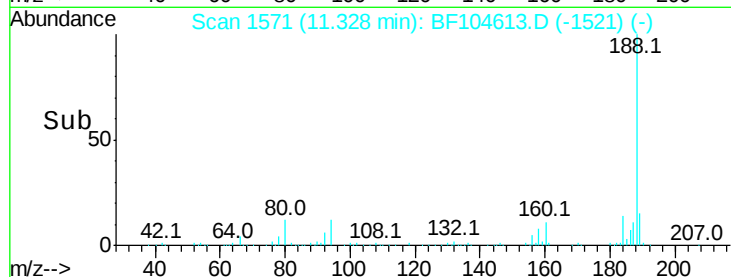
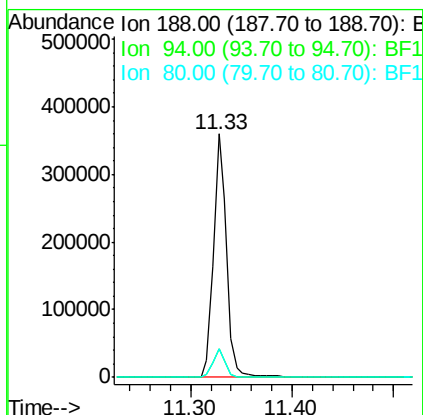
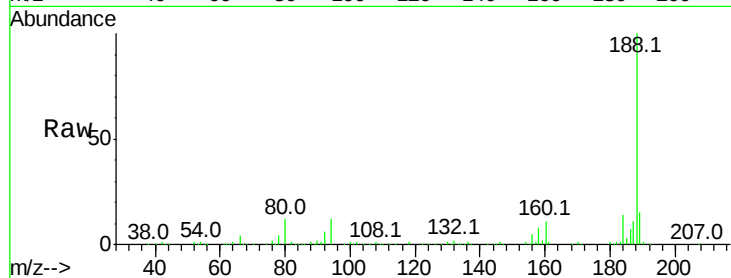




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF104613.D
Acq: 18 Apr 2018 20:24

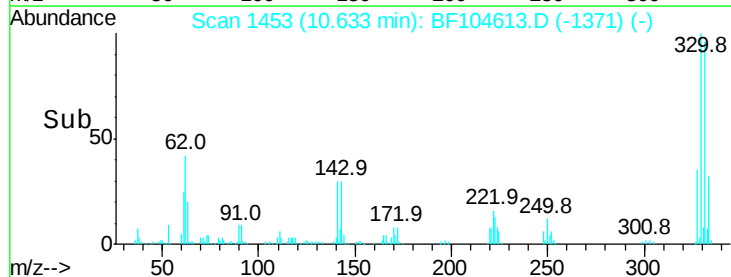
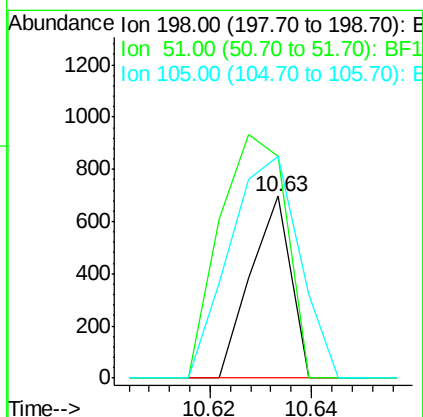
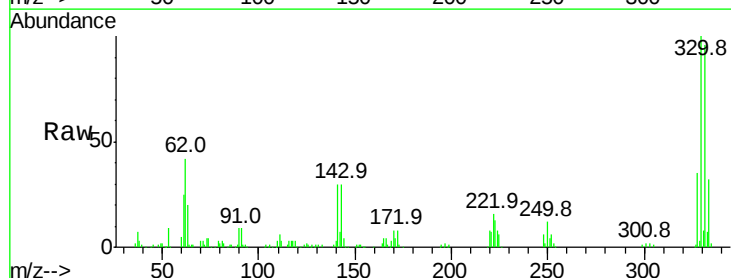
Instrument :
BNA_F
ClientSampled :

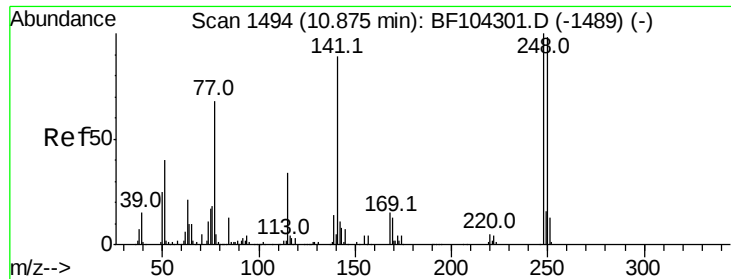
Tot Ion:188 Resp: 321731
Ion Ratio Lower Upper
188 100
94 11.5 8.5 12.7
80 12.0 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 7.554 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.18 min
Lab File: BF104613.D
Acq: 18 Apr 2018 20:24

Tgt Ion:198 Resp: 382
Ion Ratio Lower Upper
198 100
51 122.0 37.7 77.7#
105 122.1 36.3 76.3#

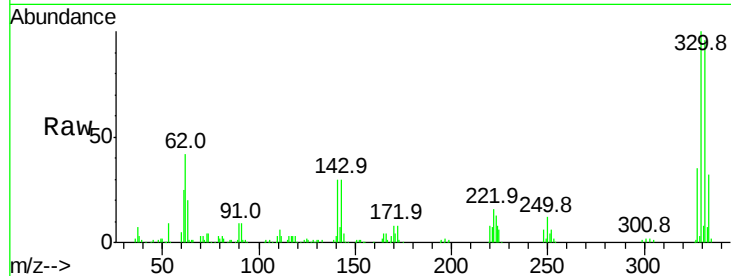




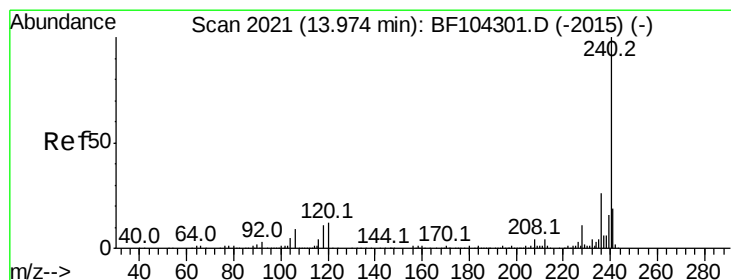
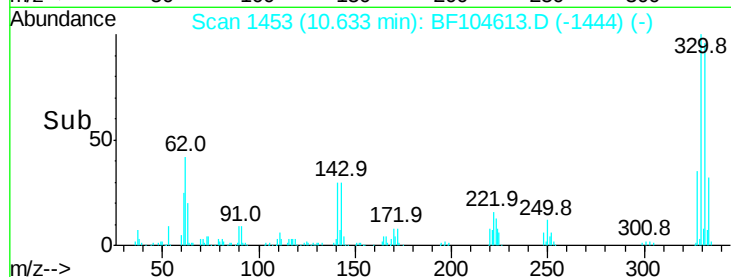
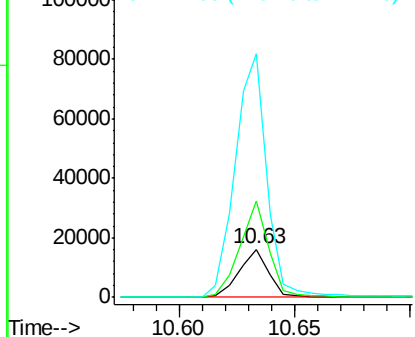
#66
4-Bromophenyl-phenylether
Concen: 4.175 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.25 min
Lab File: BF104613.D
Acq: 18 Apr 2018 20:24

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 14289
Ion Ratio Lower Upper
248 100
250 200.8 76.9 115.3#
141 507.6 74.4 111.6#

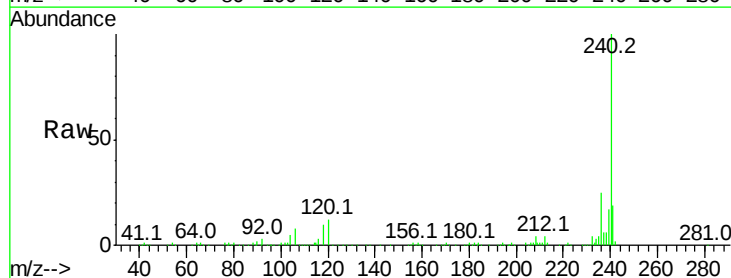


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

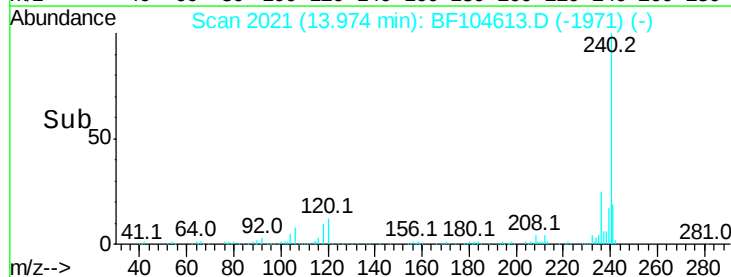
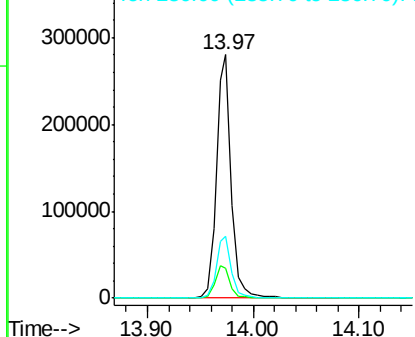


#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF104613.D
Acq: 18 Apr 2018 20:24

Tgt Ion:240 Resp: 278010
Ion Ratio Lower Upper
240 100
120 12.3 9.5 14.3
236 25.4 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

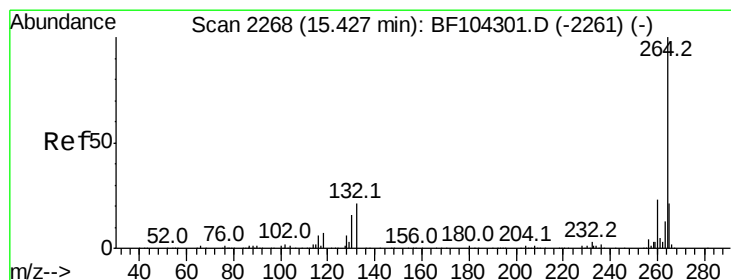
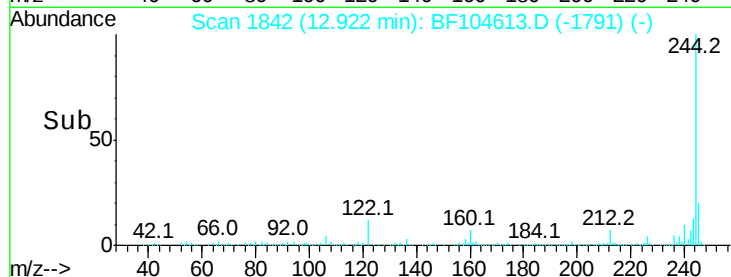
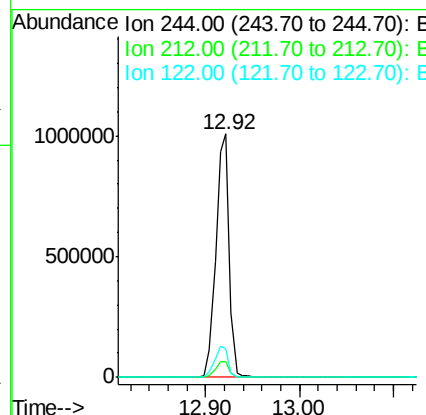
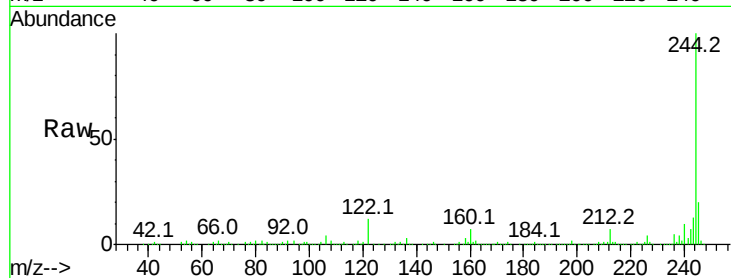




#78
 Terphenyl-d14
 Concen: 82.874 ng
 RT: 12.92 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: BF104613.D
 Acq: 18 Apr 2018 20:24

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 1010590
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 11.6 11.0 16.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. -0.01 min
 Lab File: BF104613.D
 Acq: 18 Apr 2018 20:24

Tgt Ion:264 Resp: 269462
 Ion Ratio Lower Upper
 264 100
 260 23.7 19.2 28.8
 265 21.6 17.5 26.3

