

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011718\
 Data File : BF102154.D
 Acq On : 17 Jan 2018 17:12
 Operator : SJ/JU
 Sample : PB105727BL
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jan 18 01:06:45 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF010918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 17 15:28:18 2018
 Response via : Initial Calibration

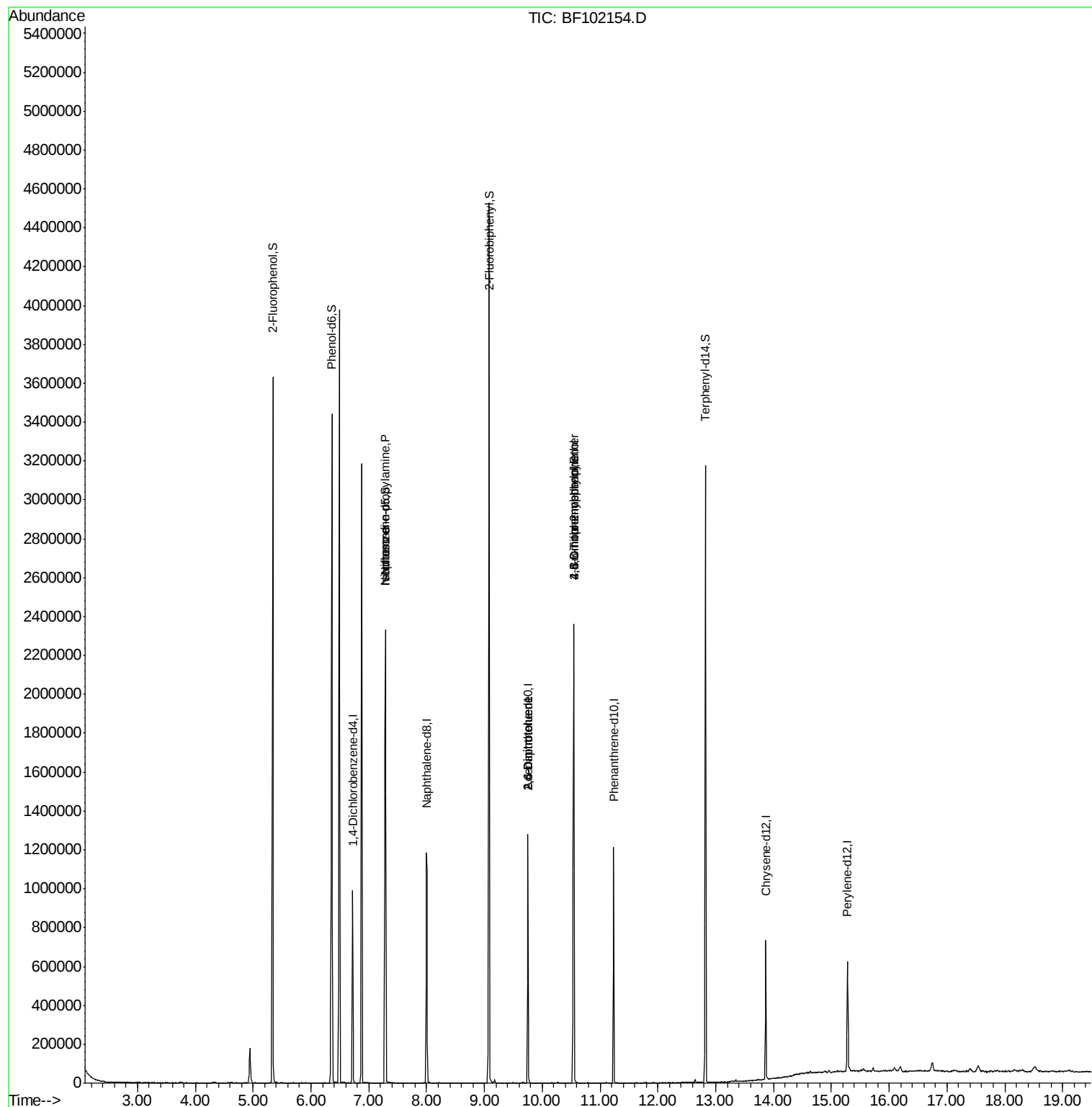
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	139181	20.00	ng	0.00
21) Naphthalene-d8	8.00	136	569480	20.00	ng	0.00
38) Acenaphthene-d10	9.75	164	254790	20.00	ng	0.00
63) Phenanthrene-d10	11.23	188	403700	20.00	ng	0.00
75) Chrysene-d12	13.86	240	234973	20.00	ng	-0.01
86) Perylene-d12	15.28	264	242220	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	1148313	116.50	ng	0.02
7) Phenol-d6	6.36	99	1328635	112.98	ng	0.00
23) Nitrobenzene-d5	7.29	82	858101	88.55	ng	0.00
41) 2,4,6-Tribromophenol	10.55	330	283124	127.33	ng	0.00
44) 2-Fluorobiphenyl	9.08	172	1518314	93.10	ng	0.00
78) Terphenyl-d14	12.82	244	1109370	98.03	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	115379	14.972	ng	# 81
25) Isophorone	7.29	82	854709	44.636	ng	# 64
50) 2,6-Dinitrotoluene	9.75	165	31981	7.833	ng	# 26
56) 2,4-Dinitrotoluene	9.75	165	31981	6.250	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.55	198	401	5.823	ng	# 1
66) 4-Bromophenyl-phenylether	10.55	248	18353	4.305	ng	# 1

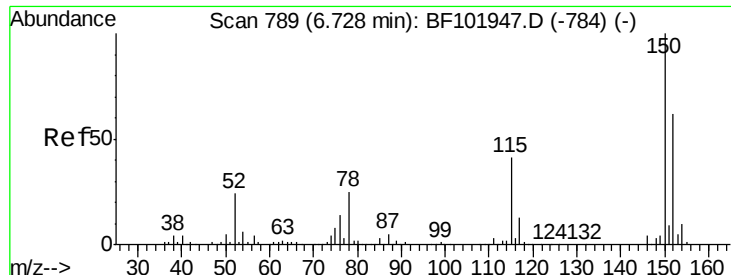
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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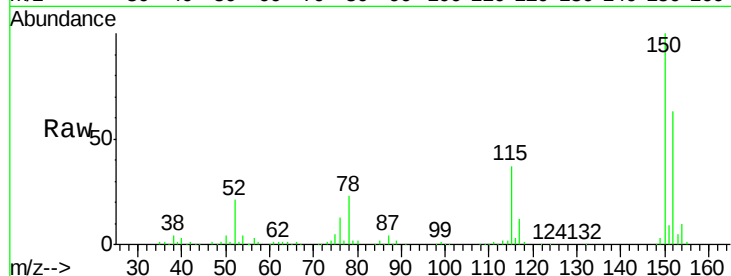


#1

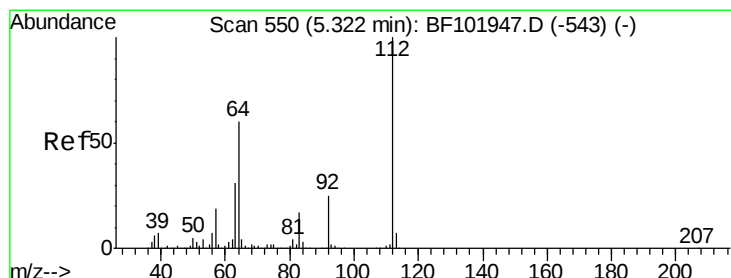
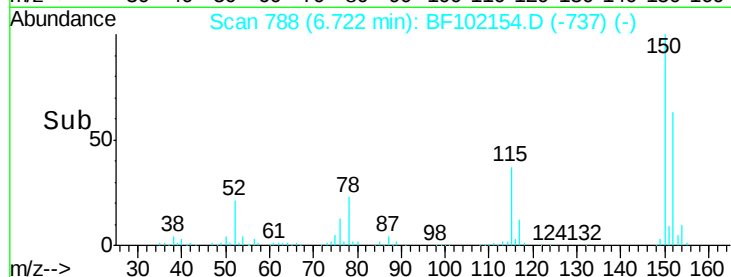
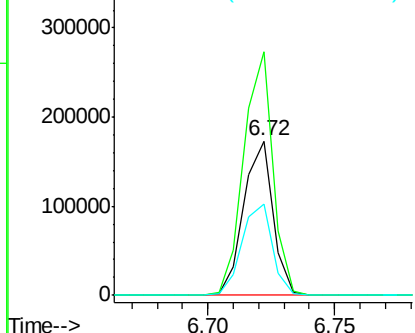
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.00 min
Lab File: BF102154.D
Acq: 17 Jan 2018 17:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	124.6	186.8
115	58.8	50.1	75.1



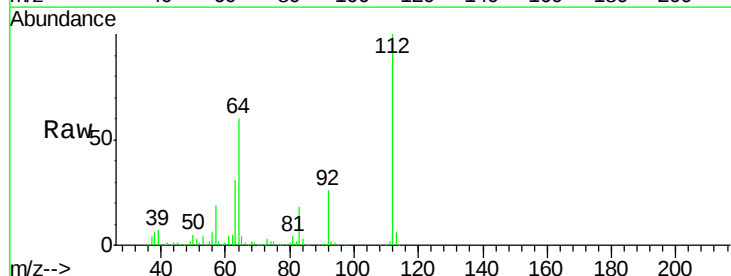
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



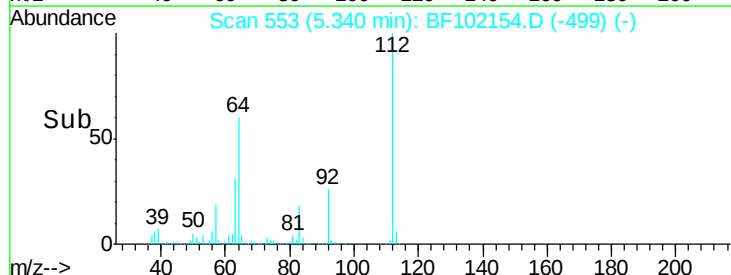
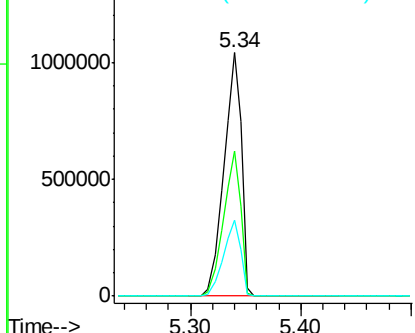
#5

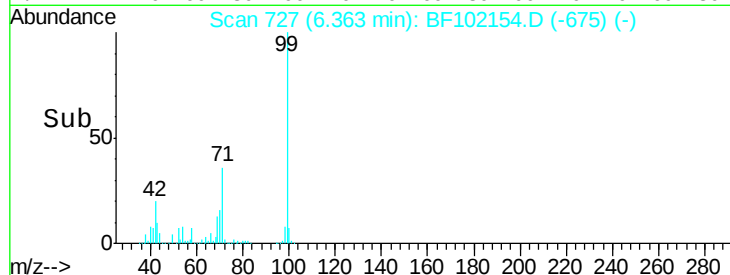
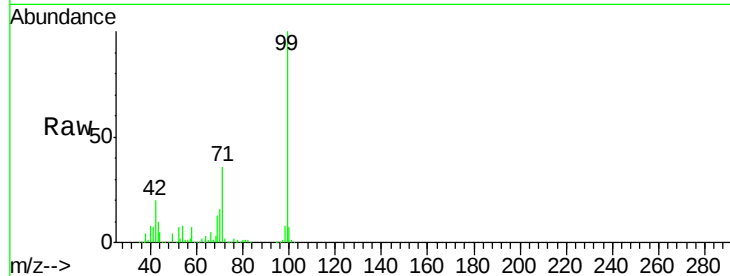
2-Fluorophenol
Concen: 116.504 ng
RT: 5.34 min Scan# 553
Delta R.T. 0.02 min
Lab File: BF102154.D
Acq: 17 Jan 2018 17:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.6	47.9	71.9
63	31.0	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: 112.982 ng

RT: 6.36 min Scan# 727

Delta R.T. 0.01 min

Lab File: BF102154.D

Acq: 17 Jan 2018 17:12

Instrument :

BNA_F

ClientSampleId :

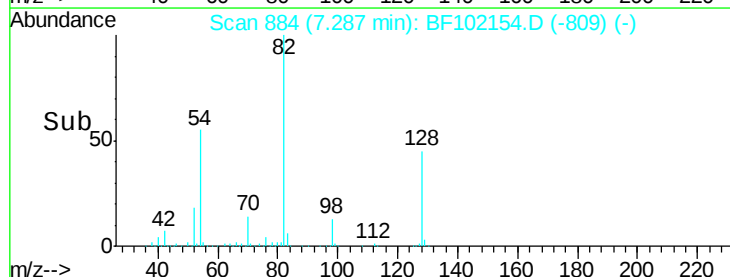
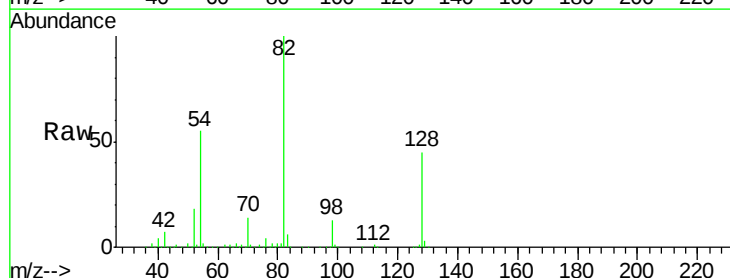
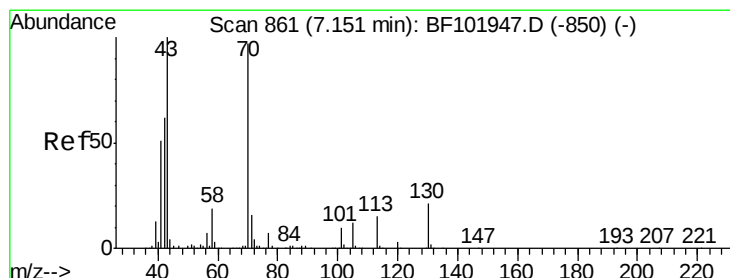
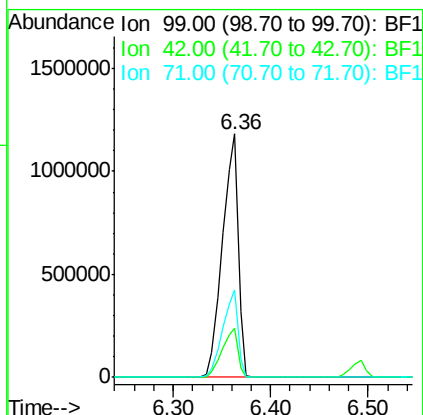
Tot Ion: 99 Resp: 1328635

Ion Ratio Lower Upper

99 100

42 20.2 14.5 21.7

71 35.8 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 14.972 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.14 min

Lab File: BF102154.D

Acq: 17 Jan 2018 17:12

Tgt Ion: 70 Resp: 115379

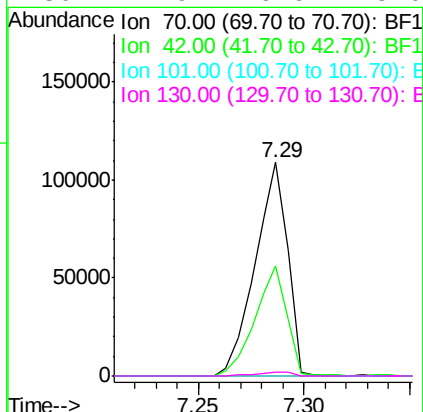
Ion Ratio Lower Upper

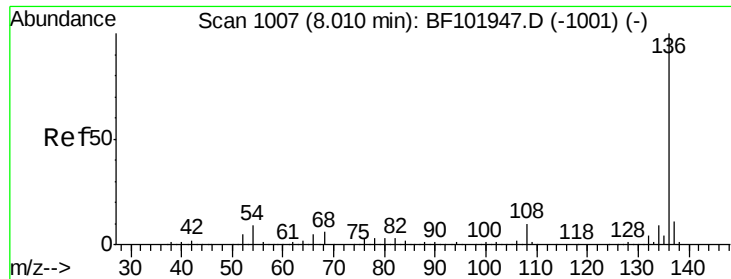
70 100

42 51.3 47.5 71.3

101 0.0 7.4 11.2#

130 1.9 16.6 25.0#

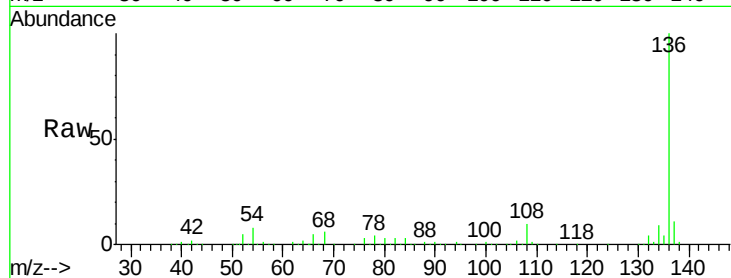




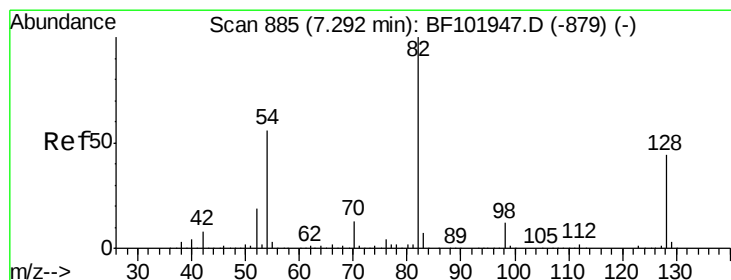
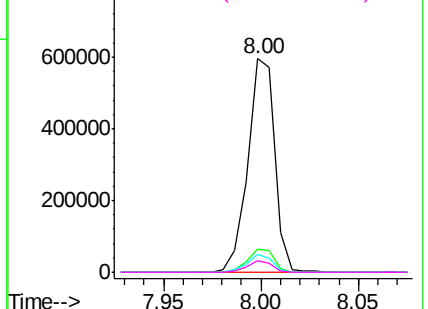
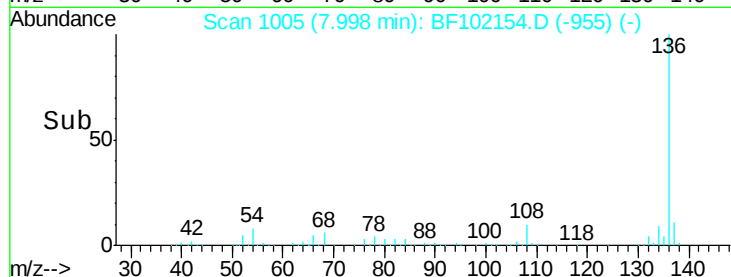
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.00 min Scan# 1005
Delta R.T. -0.01 min
Lab File: BF102154.D
Acq: 17 Jan 2018 17:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	569480
Ion Ratio	Lower	Upper
136	100	
137	11.0	8.9 13.3
54	8.4	6.6 9.8
68	5.5	5.0 7.4

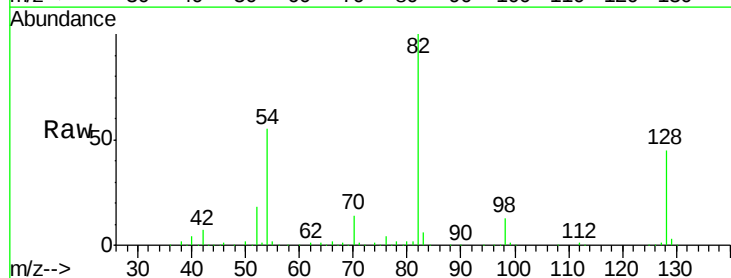


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

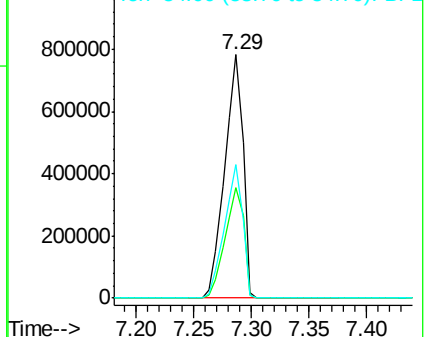
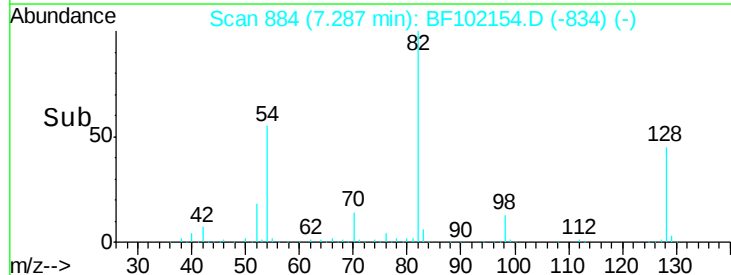


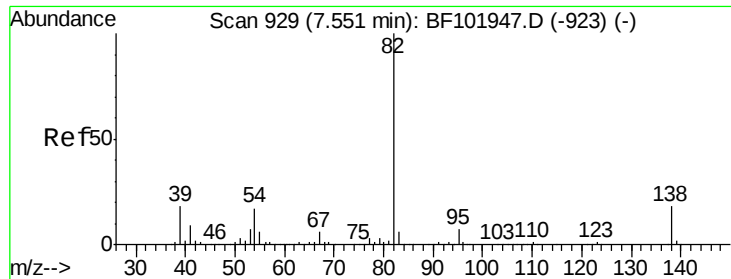
#23
Nitrobenzene-d5
Concen: 88.547 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF102154.D
Acq: 17 Jan 2018 17:12

Tgt Ion: 82	Resp:	858101
Ion Ratio	Lower	Upper
82	100	
128	45.4	36.1 54.1
54	54.7	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: 44.636 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.26 min

Lab File: BF102154.D

Acq: 17 Jan 2018 17:12

Instrument :

BNA_F

ClientSampleId :

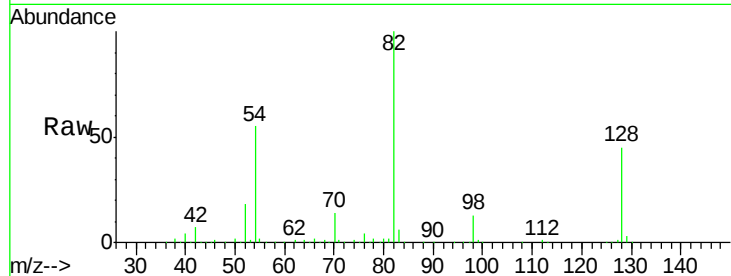
Tot Ion: 82 Resp: 854709

Ion Ratio Lower Upper

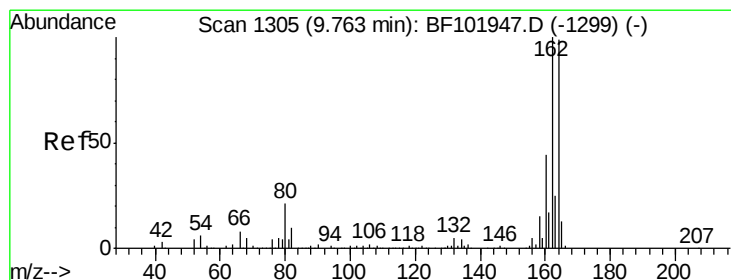
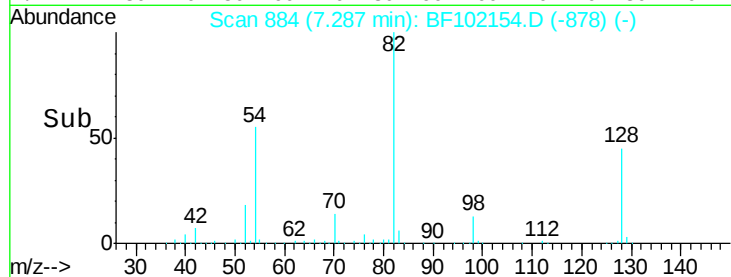
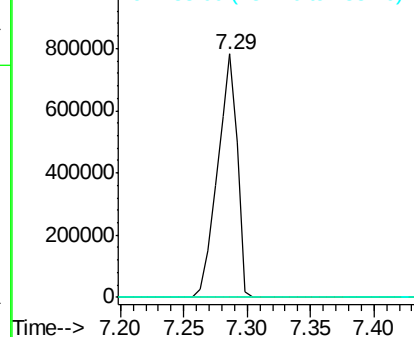
82 100

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: 9.75 min Scan# 1303

Delta R.T. -0.01 min

Lab File: BF102154.D

Acq: 17 Jan 2018 17:12

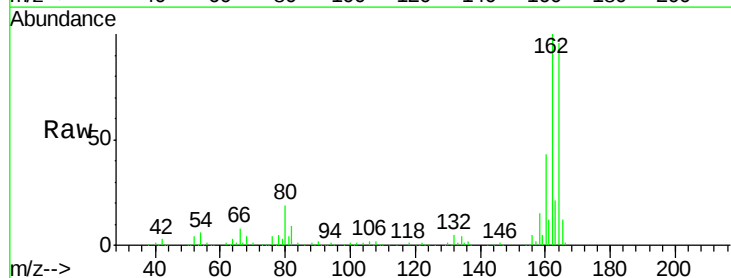
Tgt Ion:164 Resp: 254790

Ion Ratio Lower Upper

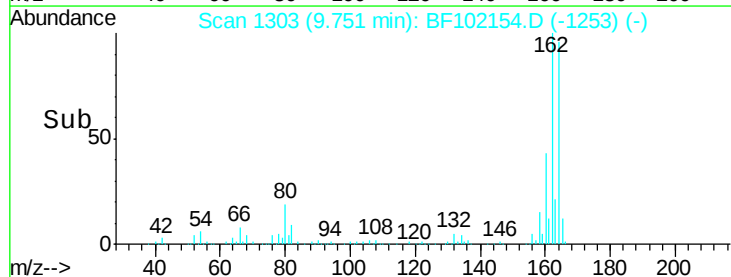
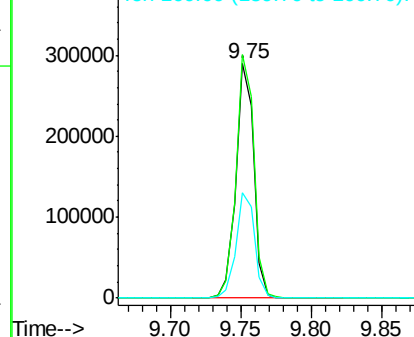
164 100

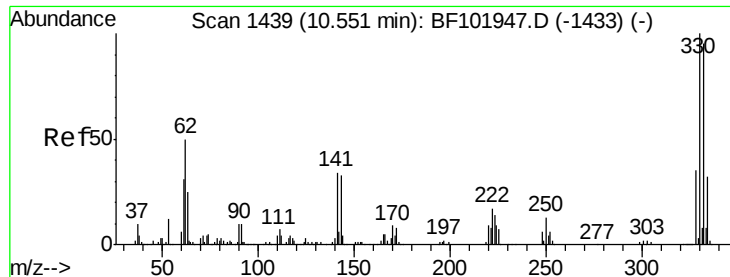
162 103.8 86.1 129.1

160 44.9 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

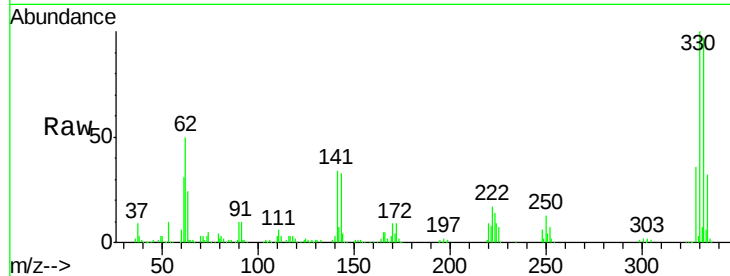




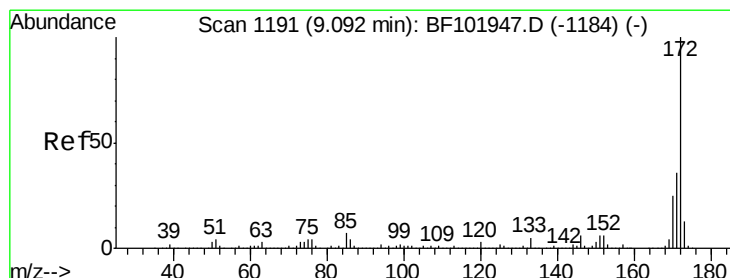
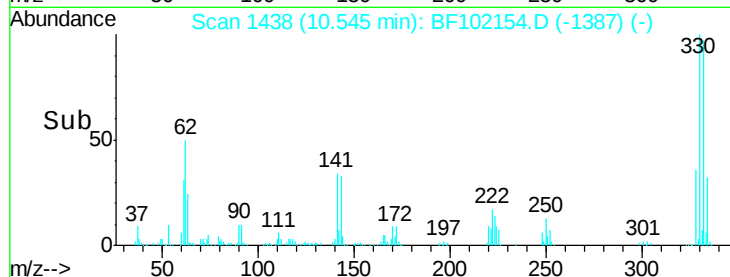
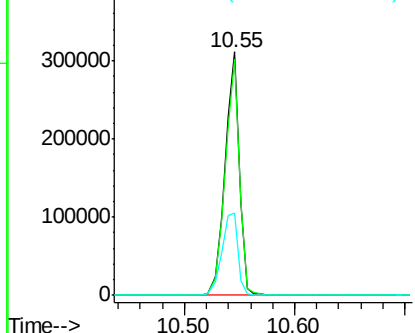
#41
 2,4,6-Tribromophenol
 Concen: 127.331 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.00 min
 Lab File: BF102154.D
 Acq: 17 Jan 2018 17:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.8	77.0	115.6
141	38.2	29.9	44.9

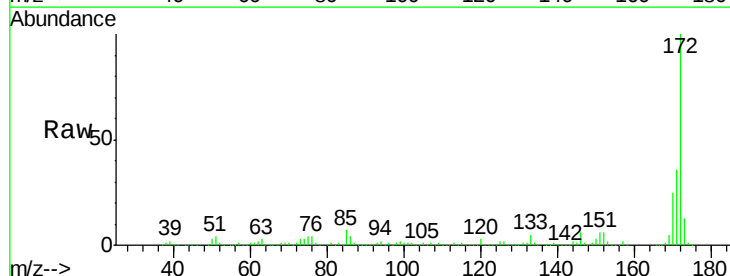


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

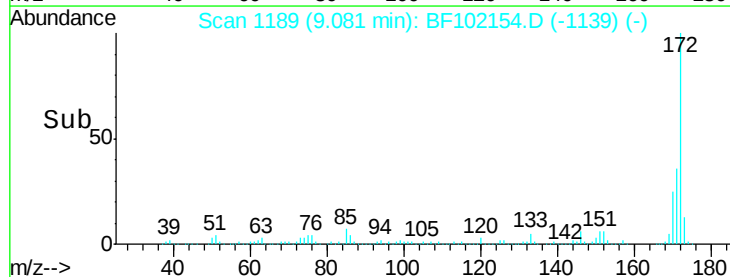
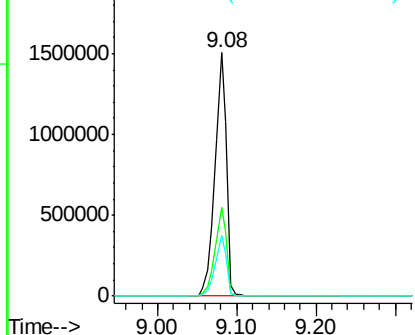


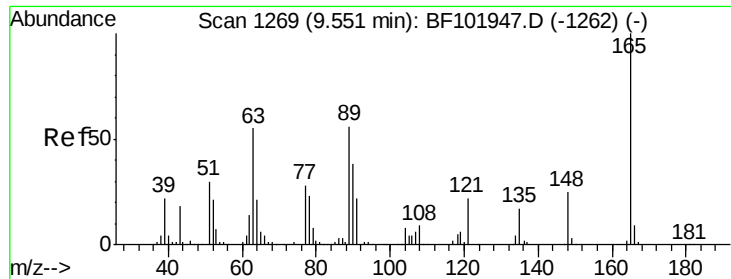
#44
 2-Fluorobiphenyl
 Concen: 93.097 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF102154.D
 Acq: 17 Jan 2018 17:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.7	44.5
170	24.8	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

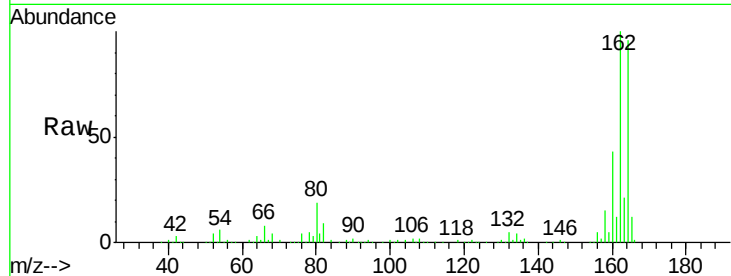




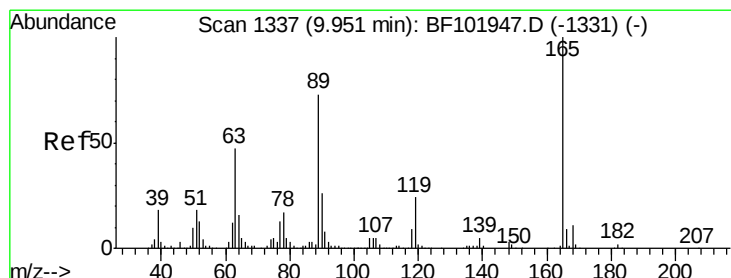
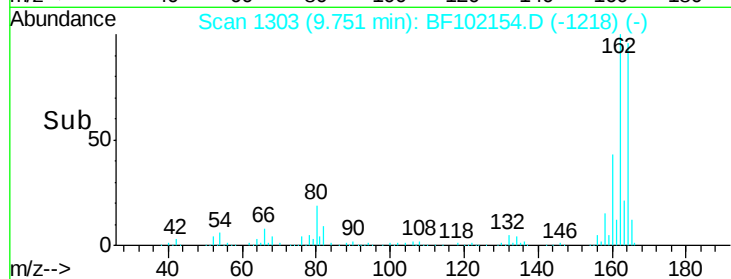
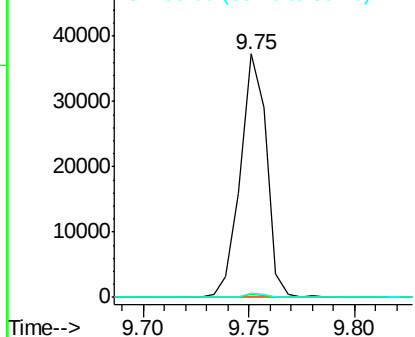
#50
2,6-Dinitrotoluene
Concen: 7.833 ng
RT: 9.75 min Scan# 1303
Delta R.T. 0.20 min
Lab File: BF102154.D
Acq: 17 Jan 2018 17:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	44.7	67.1#
89	1.7	44.0	66.0#

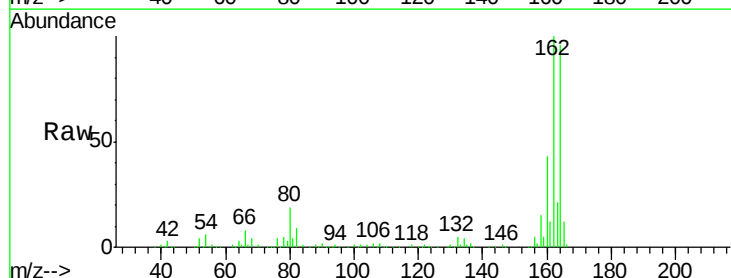


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

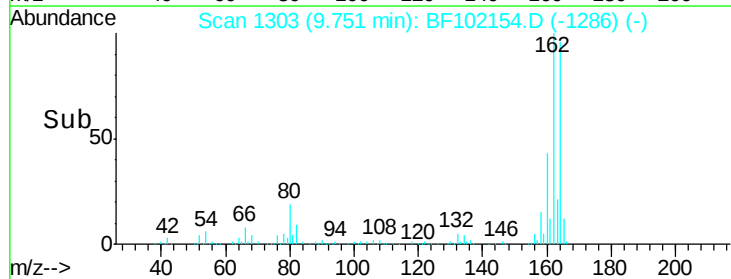
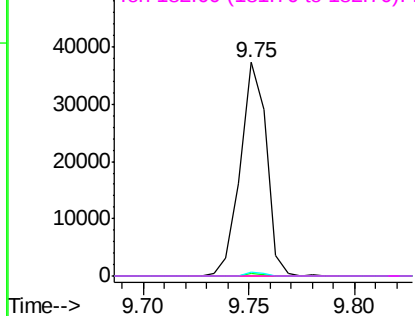


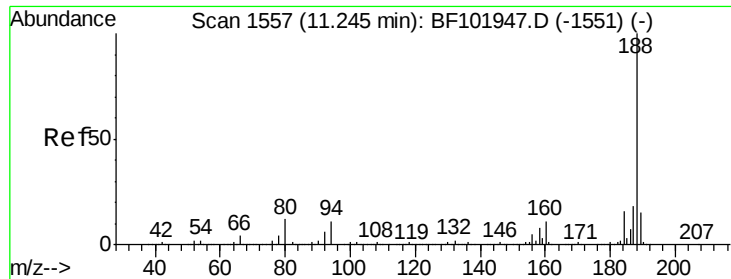
#56
2,4-Dinitrotoluene
Concen: 6.250 ng
RT: 9.75 min Scan# 1303
Delta R.T. -0.20 min
Lab File: BF102154.D
Acq: 17 Jan 2018 17:12

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	36.4	54.6#
89	1.7	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

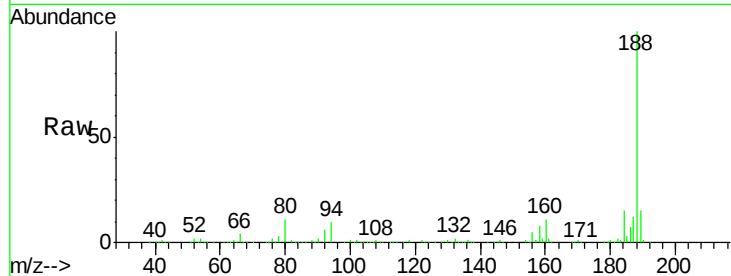




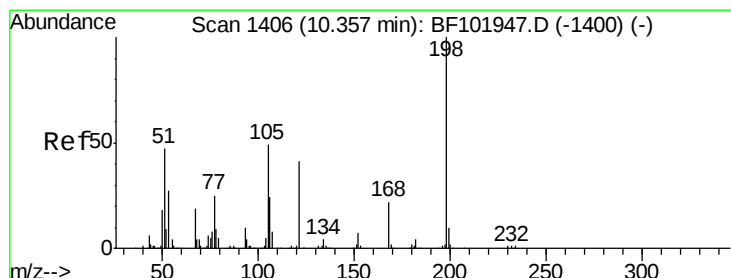
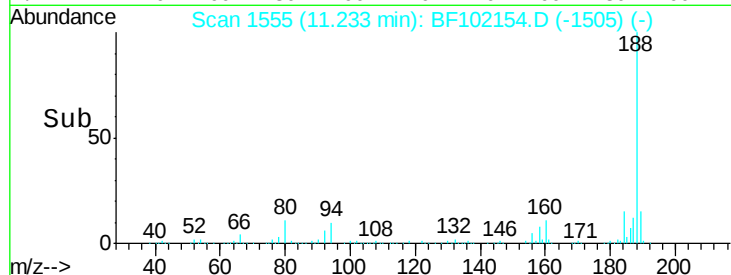
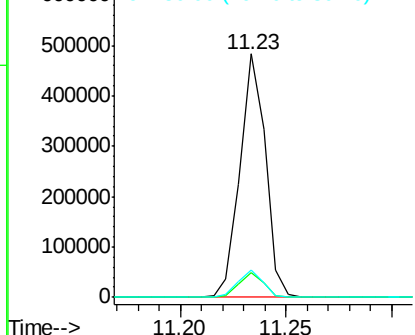
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.23 min Scan# 1555
Delta R.T. -0.01 min
Lab File: BF102154.D
Acq: 17 Jan 2018 17:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 403700
Ion Ratio Lower Upper
188 100
94 10.3 8.5 12.7
80 11.1 9.2 13.8

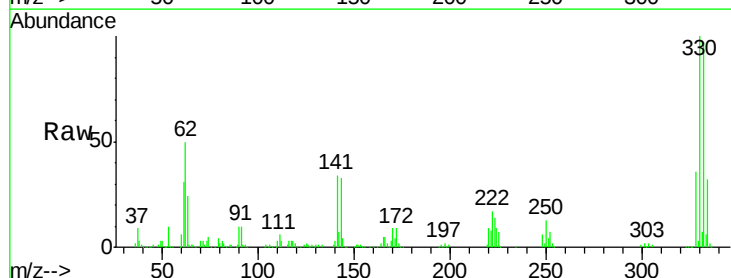


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

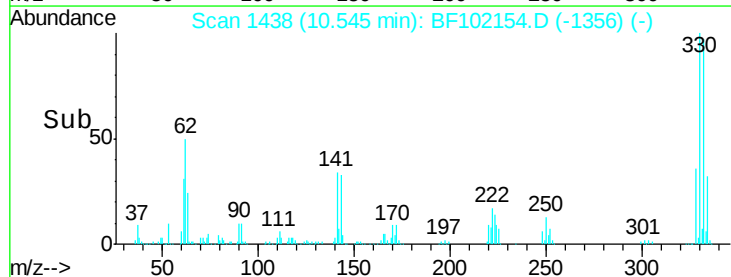
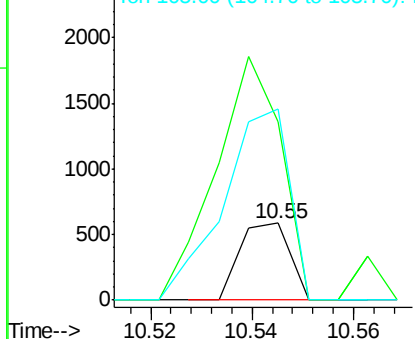


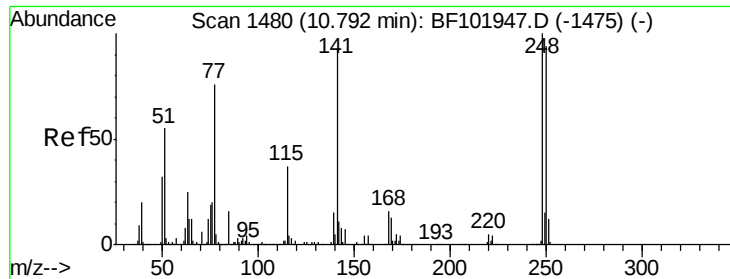
#64
4,6-Dinitro-2-methylphenol
Concen: 5.823 ng
RT: 10.55 min Scan# 1438
Delta R.T. 0.18 min
Lab File: BF102154.D
Acq: 17 Jan 2018 17:12

Tgt Ion:198 Resp: 401
Ion Ratio Lower Upper
198 100
51 231.9 37.7 77.7#
105 249.3 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

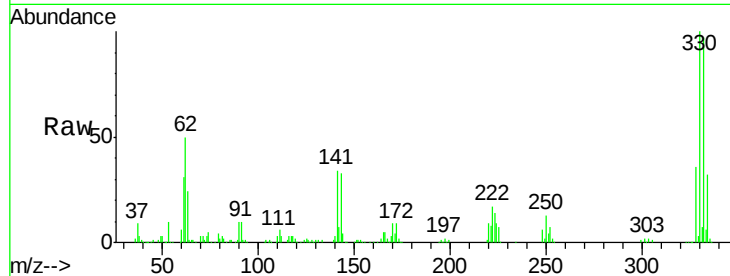




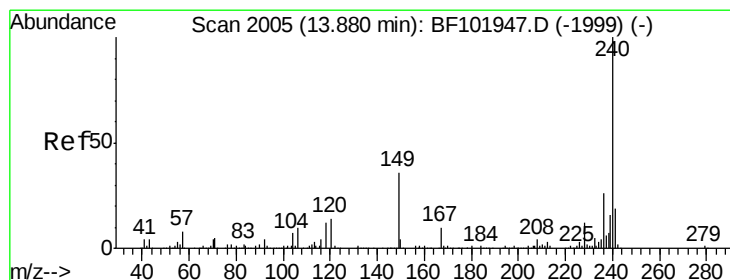
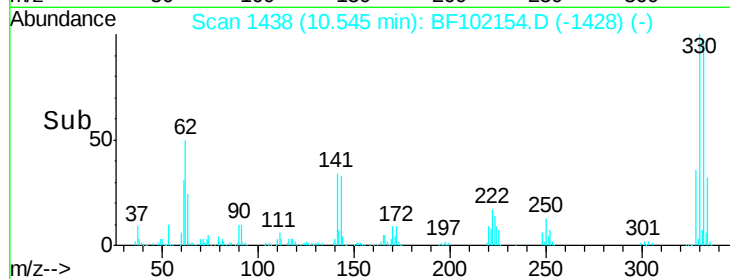
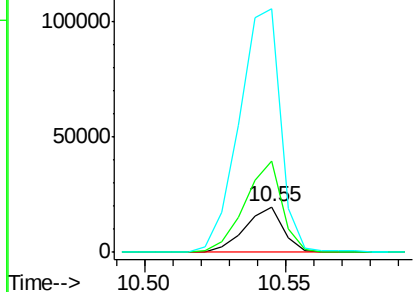
#66
4-Bromophenyl-phenylether
Concen: 4.305 ng
RT: 10.55 min Scan# 1438
Delta R.T. -0.24 min
Lab File: BF102154.D
Acq: 17 Jan 2018 17:12

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 18353
Ion Ratio Lower Upper
248 100
250 199.6 76.9 115.3#
141 531.1 74.4 111.6#

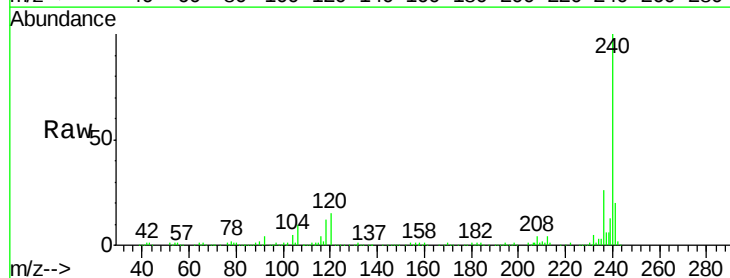


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

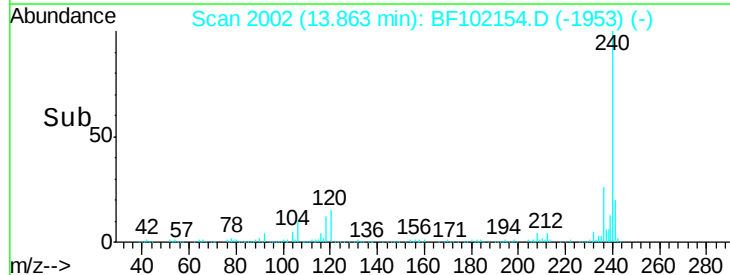
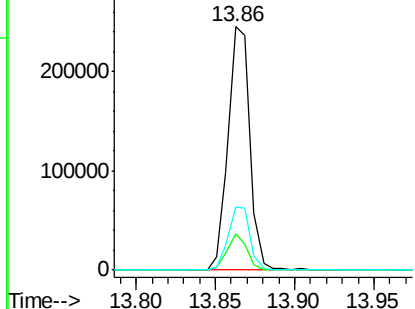


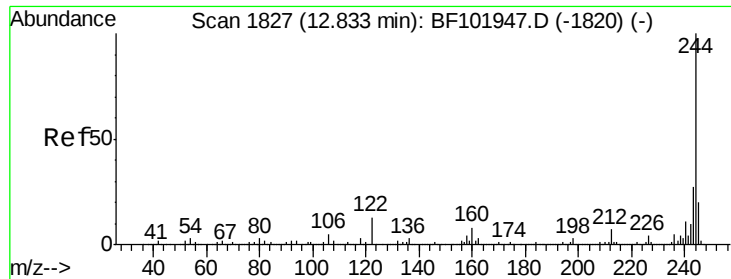
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.86 min Scan# 2002
Delta R.T. -0.01 min
Lab File: BF102154.D
Acq: 17 Jan 2018 17:12

Tgt Ion:240 Resp: 234973
Ion Ratio Lower Upper
240 100
120 15.0 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

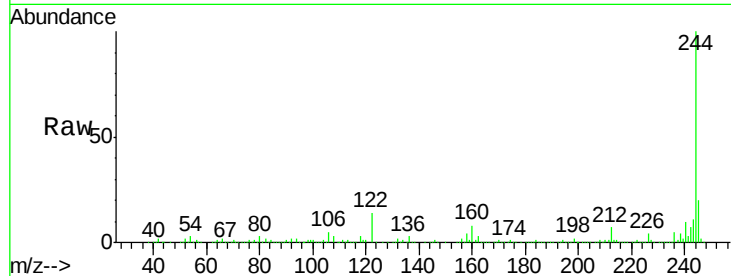




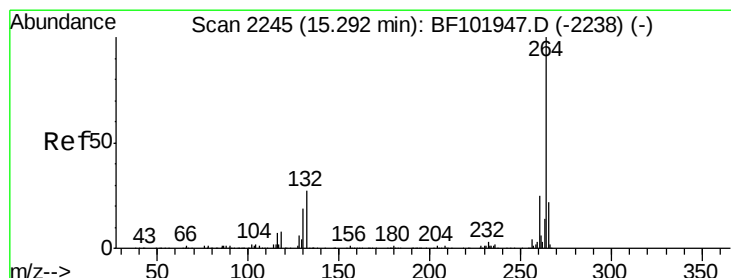
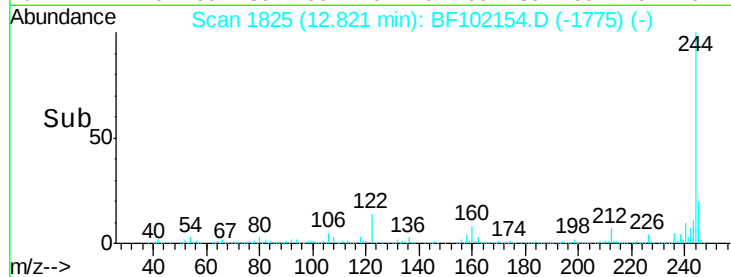
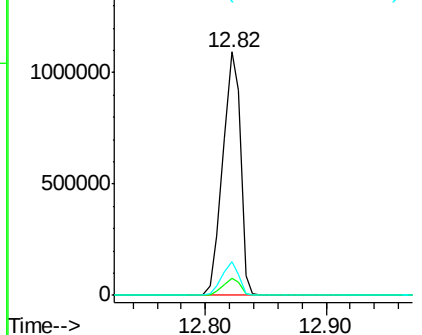
#78
 Terphenyl-d14
 Concen: 98.026 ng
 RT: 12.82 min Scan# 1825
 Delta R.T. -0.01 min
 Lab File: BF102154.D
 Acq: 17 Jan 2018 17:12

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 1109370
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 13.8 11.0 16.4

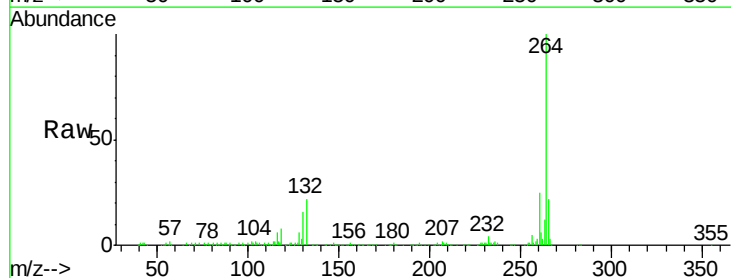


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.28 min Scan# 2243
 Delta R.T. -0.01 min
 Lab File: BF102154.D
 Acq: 17 Jan 2018 17:12

Tgt Ion:264 Resp: 242220
 Ion Ratio Lower Upper
 264 100
 260 25.2 19.2 28.8
 265 21.6 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

