

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041918\
 Data File : BF104662.D
 Acq On : 20 Apr 2018 7:25
 Operator : JU/SJ
 Sample : J2447-03
 Misc :
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 20 08:11:13 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 19 14:44:03 2018
 Response via : Initial Calibration

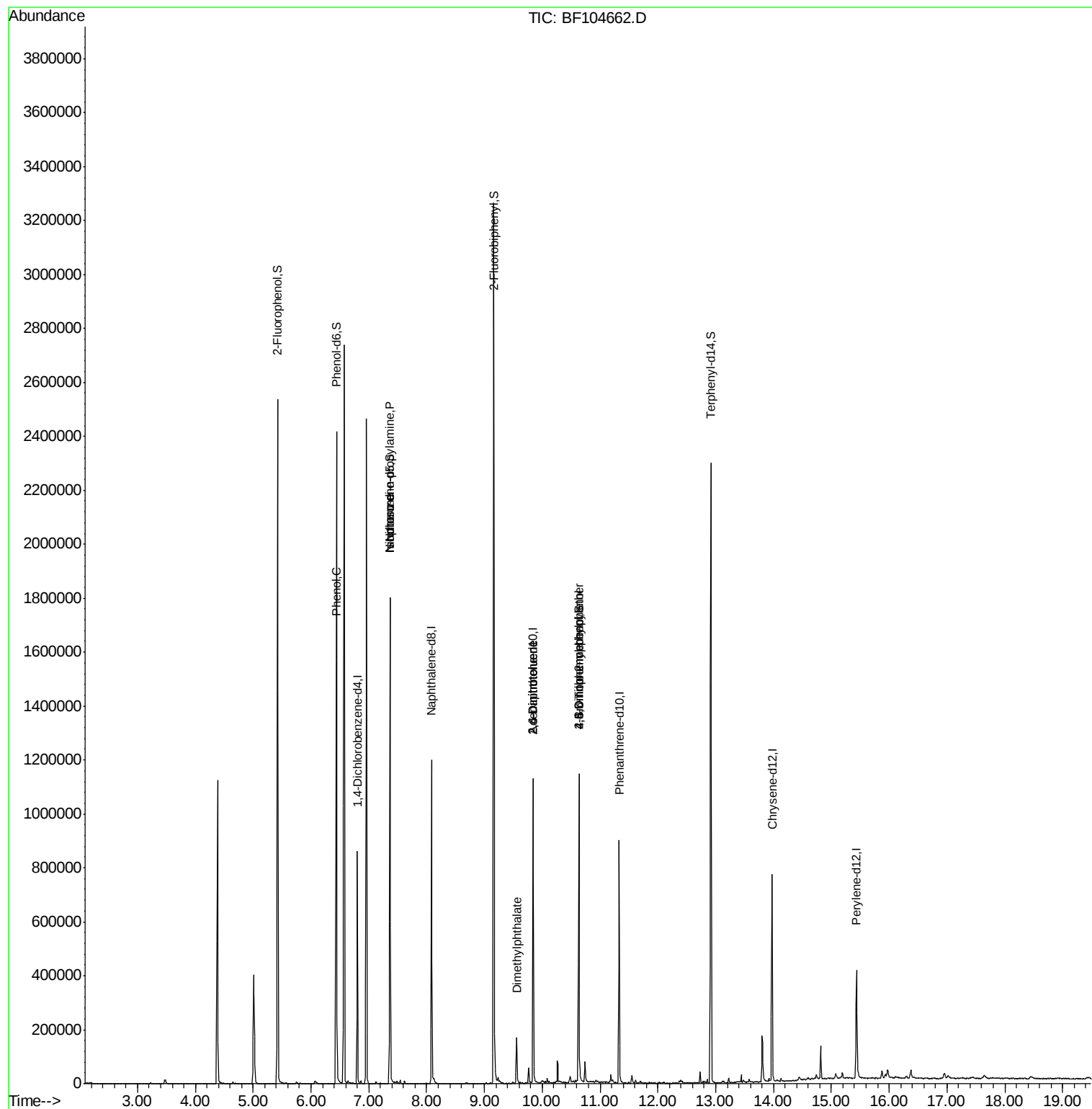
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	134557	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	534511	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	219831	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	316805	20.00	ng	0.00
75) Chrysene-d12	13.97	240	270991	20.00	ng	-0.01
86) Perylene-d12	15.43	264	204924	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	744576	84.61	ng	0.00
7) Phenol-d6	6.44	99	931247	86.13	ng	0.00
23) Nitrobenzene-d5	7.37	82	583560	71.29	ng	-0.01
41) 2,4,6-Tribromophenol	10.63	330	156545	68.65	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1025879	73.72	ng	0.00
78) Terphenyl-d14	12.92	244	729248	61.35	ng	0.00
Target Compounds						
10) Phenol	6.45	94	27200	2.371	ng	98
19) n-Nitroso-di-n-propylamine	7.37	70	76255	10.793	ng	# 71
25) Isophorone	7.37	82	583552	33.712	ng	# 64
49) Dimethylphthalate	9.56	163	79340	4.577	ng	100
50) 2,6-Dinitrotoluene	9.84	165	27857	8.684	ng	# 26
56) 2,4-Dinitrotoluene	9.84	165	27857	6.621	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.63	198	289	7.506	ng	# 1
66) 4-Bromophenyl-phenylether	10.63	248	9274	2.752	ng	# 1
76) Benzidine	12.92	184	9358	Below Cal	#	96

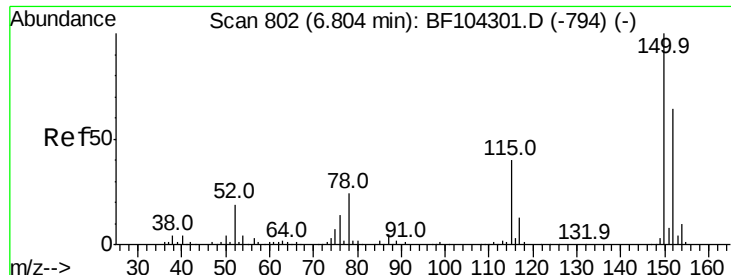
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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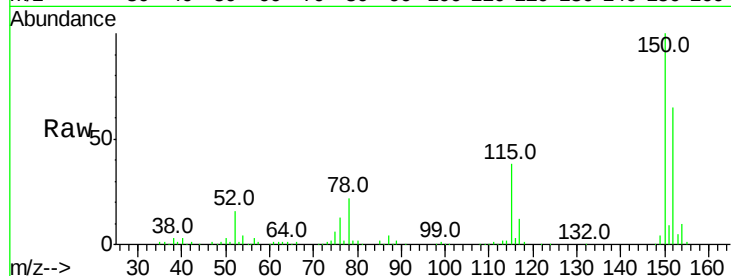


#1

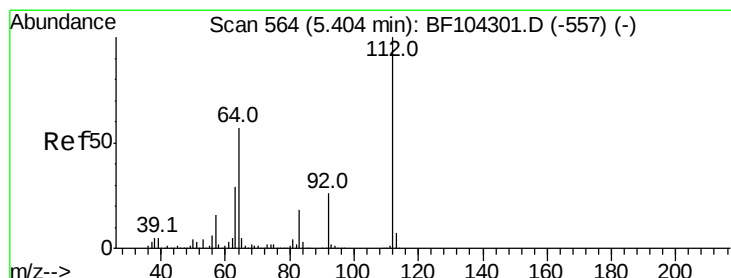
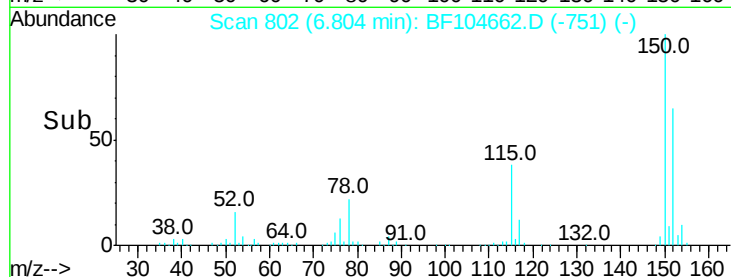
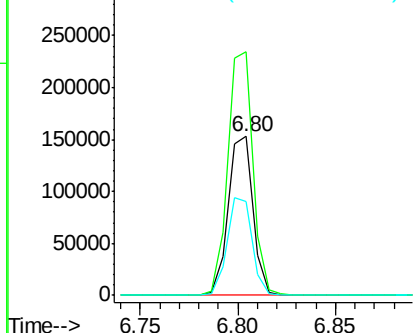
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. 0.00 min
Lab File: BF104662.D
Acq: 20 Apr 2018 7:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 134557
Ion Ratio Lower Upper
152 100
150 153.2 124.6 186.8
115 59.0 50.1 75.1



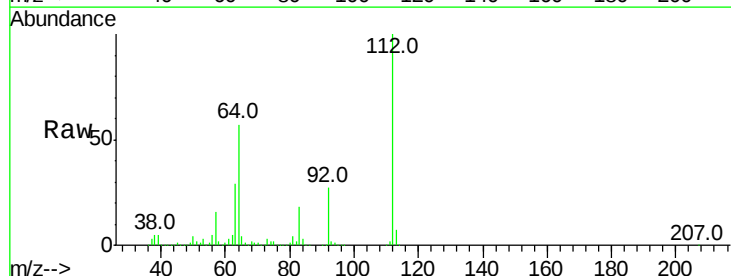
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



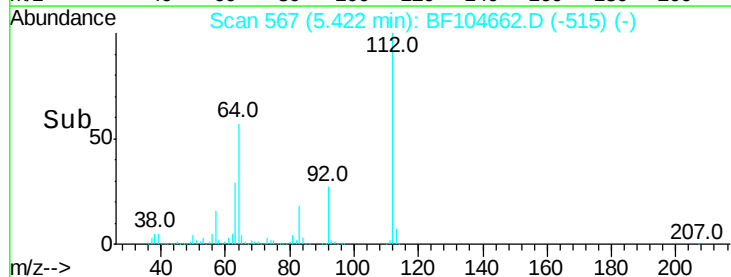
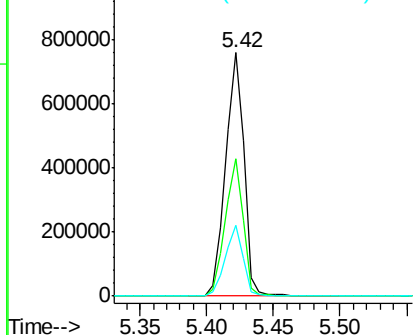
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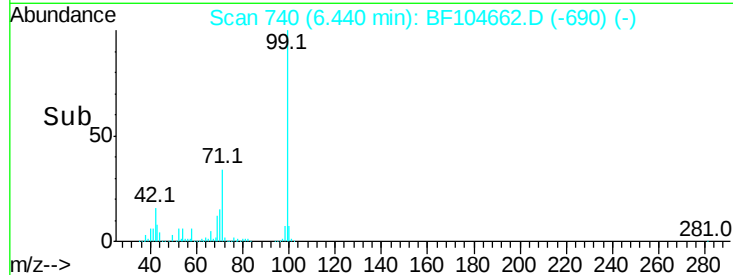
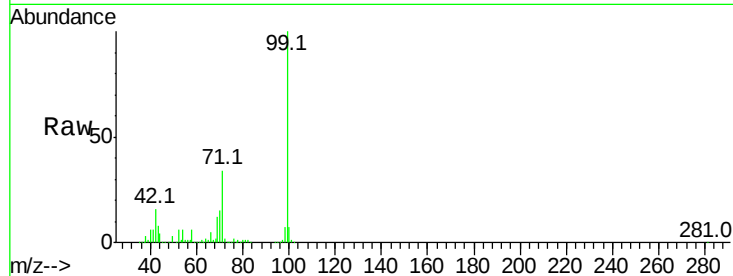
2-Fluorophenol
Concen: 84.611 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.01 min
Lab File: BF104662.D
Acq: 20 Apr 2018 7:25

Tgt Ion:112 Resp: 744576
Ion Ratio Lower Upper
112 100
64 56.6 47.9 71.9
63 29.2 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

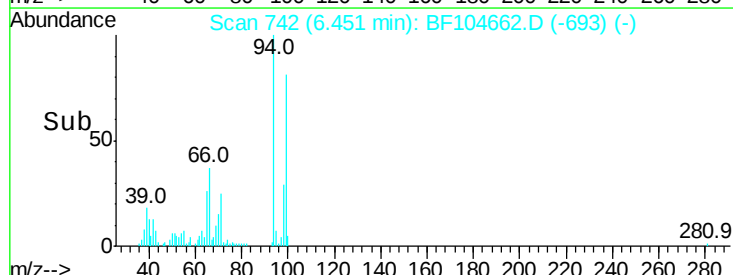
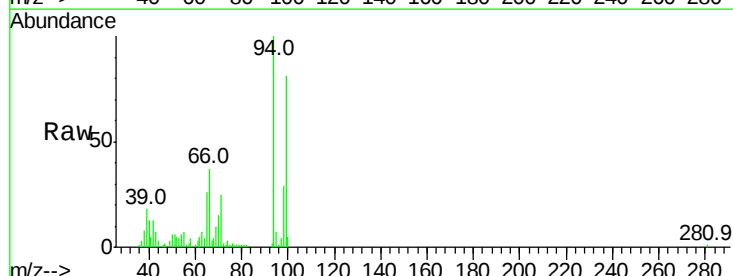
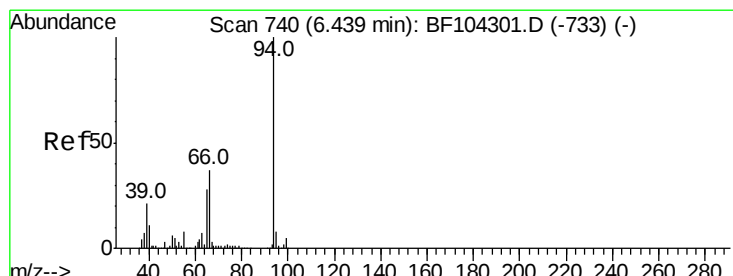
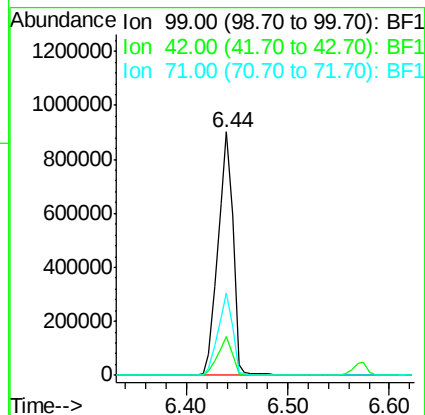




#7
Phenol-d6
Concen: 86.128 ng
RT: 6.44 min Scan# 740
Delta R.T. -0.01 min
Lab File: BF104662.D
Acq: 20 Apr 2018 7:25

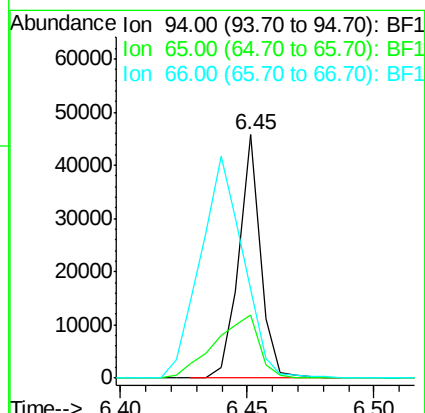
Tot Ion	Ratio	Lower	Upper
99	100		
42	16.0	14.5	21.7
71	33.9	25.4	38.0

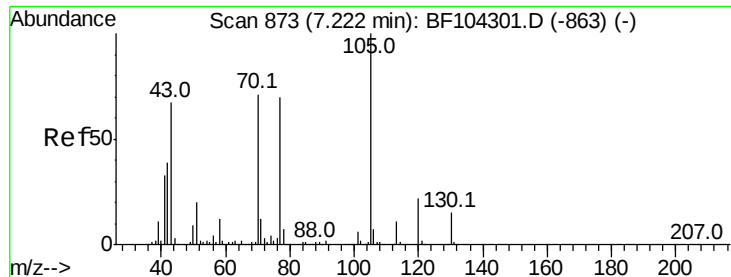
Instrument :
BNA_F
ClientSampleId :



#10
Phenol
Concen: 2.371 ng
RT: 6.45 min Scan# 742
Delta R.T. -0.01 min
Lab File: BF104662.D
Acq: 20 Apr 2018 7:25

Tgt Ion	Ratio	Lower	Upper
94	100		
65	26.0	7.9	47.9
66	36.6	16.2	56.2





#19

n-Nitroso-di-n-propylamine

Concen: 10.793 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF104662.D

Acq: 20 Apr 2018 7:25

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 70 Resp: 76255

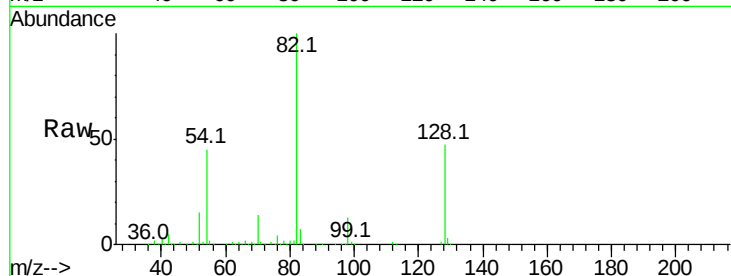
Ion Ratio Lower Upper

70 100

42 40.1 47.5 71.3#

101 0.0 7.4 11.2#

130 2.5 16.6 25.0#

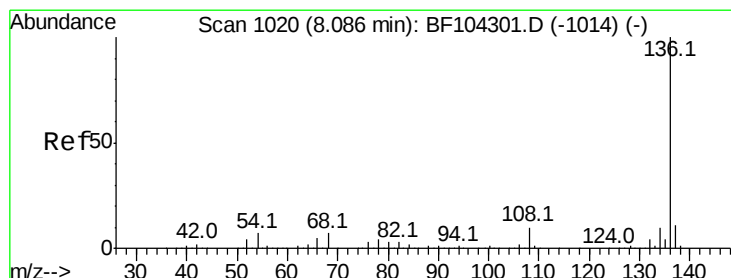
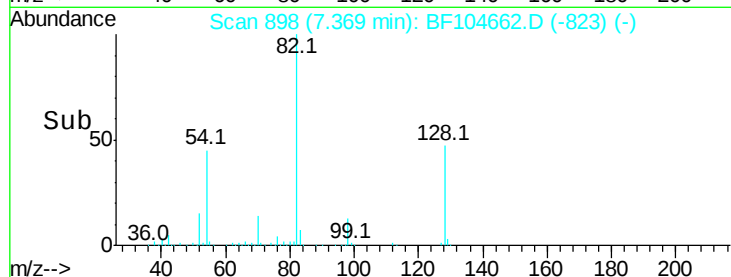
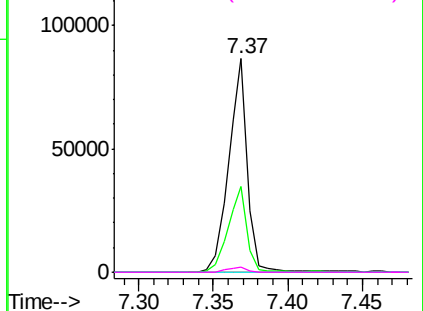


Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF104662.D

Acq: 20 Apr 2018 7:25

Tgt Ion:136 Resp: 534511

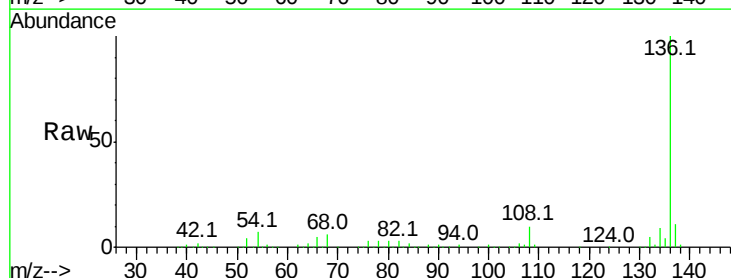
Ion Ratio Lower Upper

136 100

137 11.0 8.9 13.3

54 6.5 6.6 9.8#

68 6.2 5.0 7.4

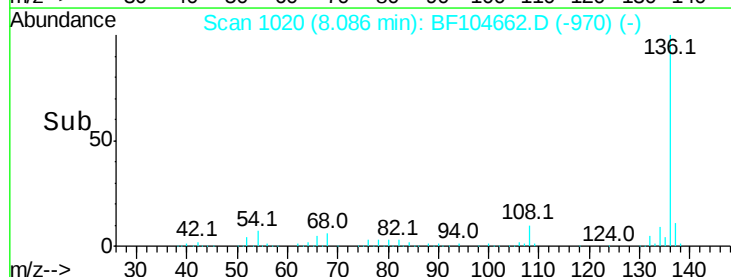
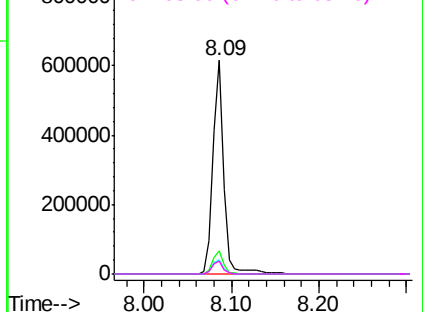


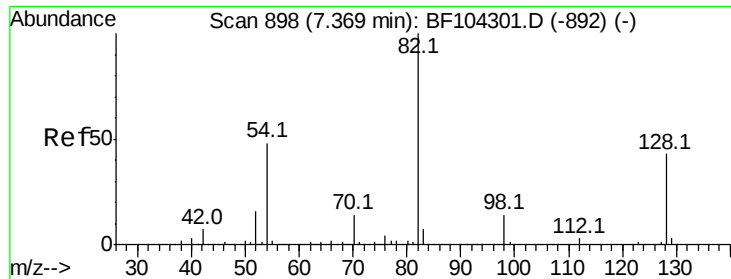
Abundance Ion 136.00 (135.70 to 136.70): BF1

Ion 137.00 (136.70 to 137.70): BF1

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1

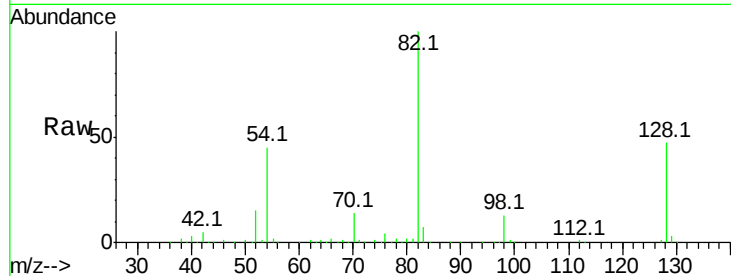




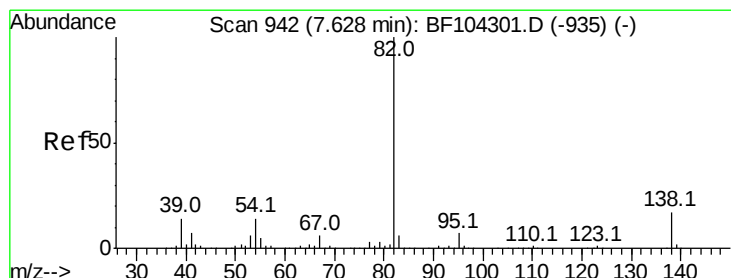
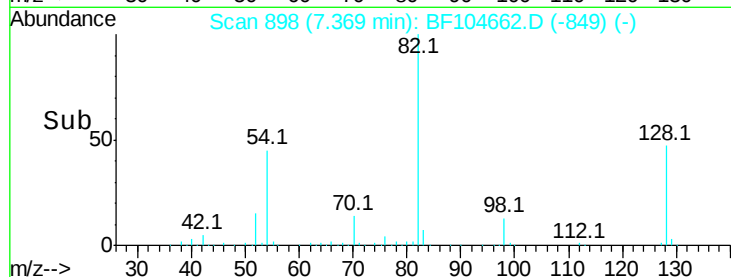
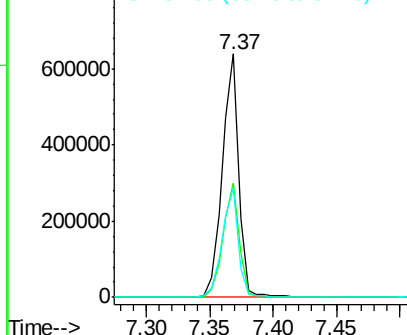
#23
 Nitrobenzene-d5
 Concen: 71.290 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: BF104662.D
 Acq: 20 Apr 2018 7:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion: 82 Resp: 583560
 Ion Ratio Lower Upper
 82 100
 128 47.0 36.1 54.1
 54 44.8 41.4 62.2

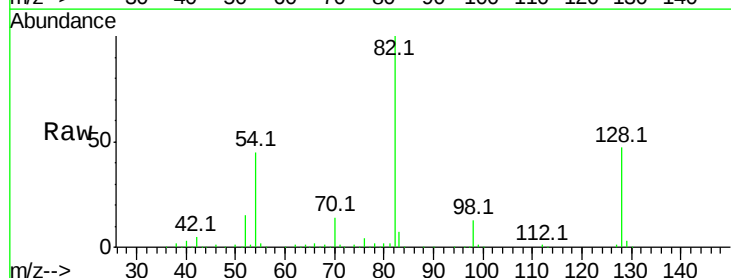


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

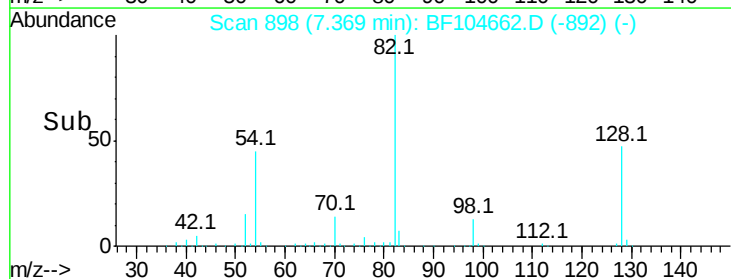
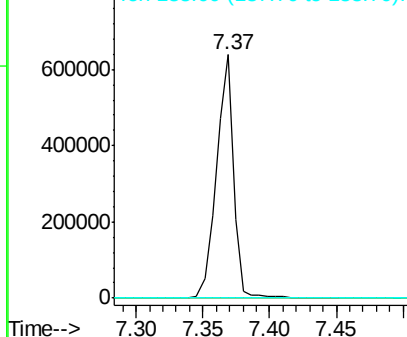


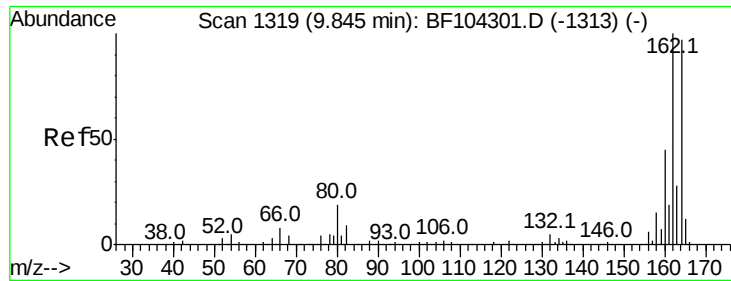
#25
 Isophorone
 Concen: 33.712 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.26 min
 Lab File: BF104662.D
 Acq: 20 Apr 2018 7:25

Tgt Ion: 82 Resp: 583552
 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

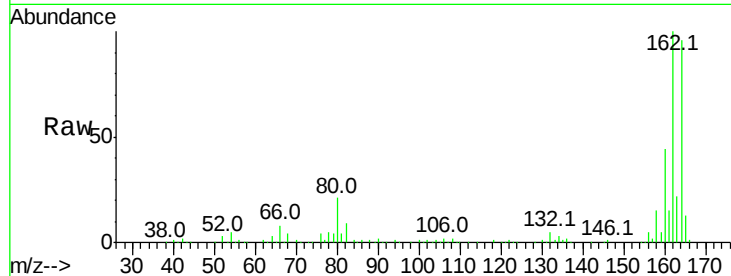




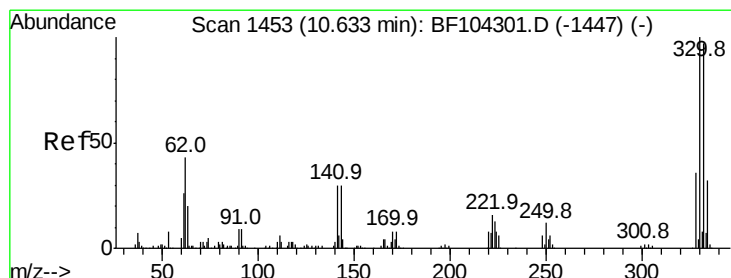
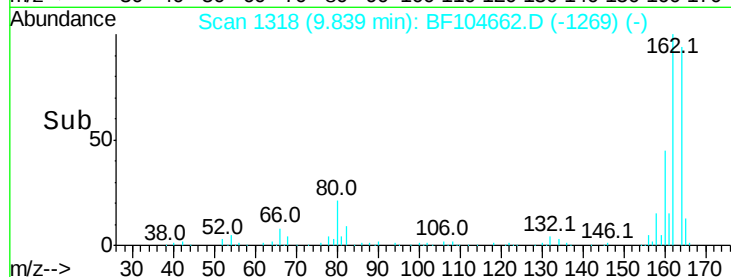
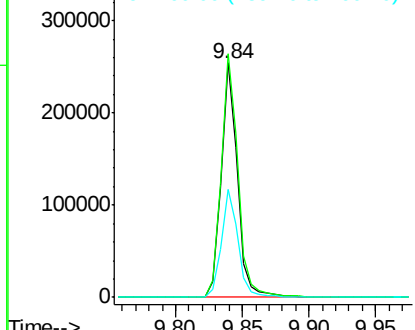
#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.01 min
 Lab File: BF104662.D
 Acq: 20 Apr 2018 7:25

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 219831
 Ion Ratio Lower Upper
 164 100
 162 104.0 86.1 129.1
 160 46.3 38.3 57.5

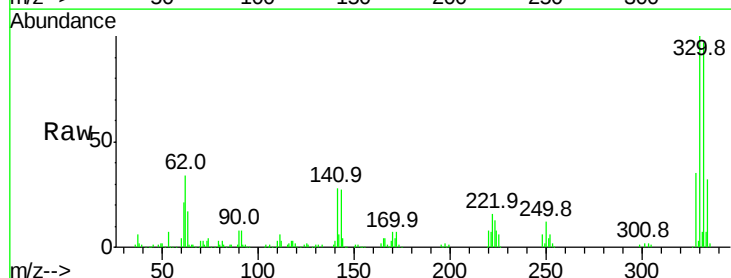


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

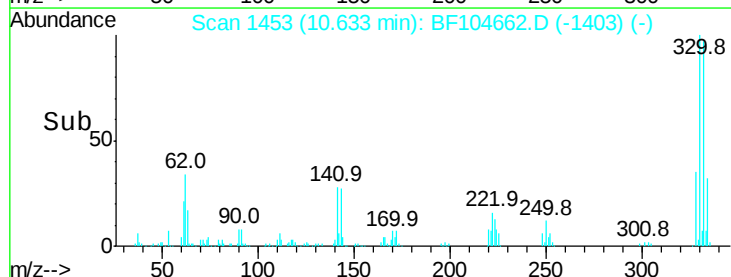
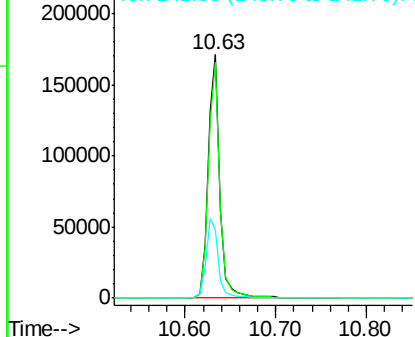


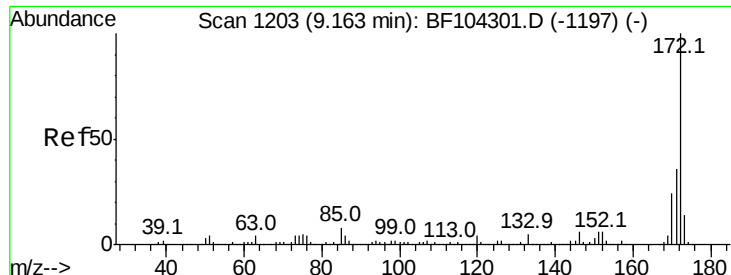
#41
 2,4,6-Tribromophenol
 Concen: 68.649 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF104662.D
 Acq: 20 Apr 2018 7:25

Tgt Ion:330 Resp: 156545
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.0 115.6
 141 34.2 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



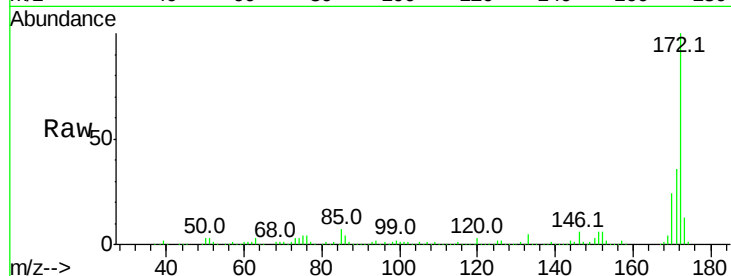


#44
 2-Fluorobiphenyl
 Concen: 73.722 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF104662.D
 Acq: 20 Apr 2018 7:25

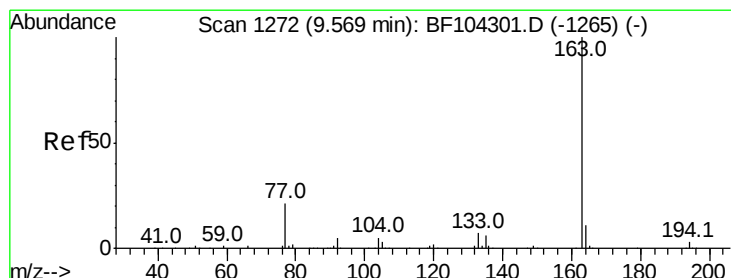
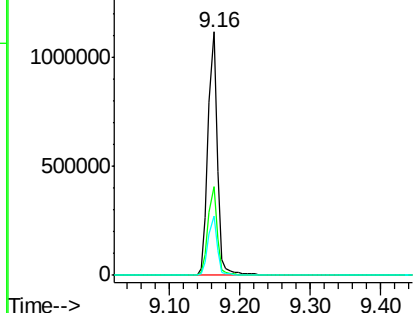
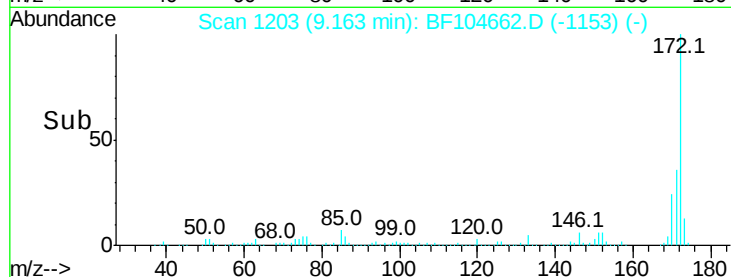
Instrument :
 BNA_F
 ClientSampled :

Tot Ion:172 Resp: 1025879

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.7	44.5
170	24.4	19.6	29.4



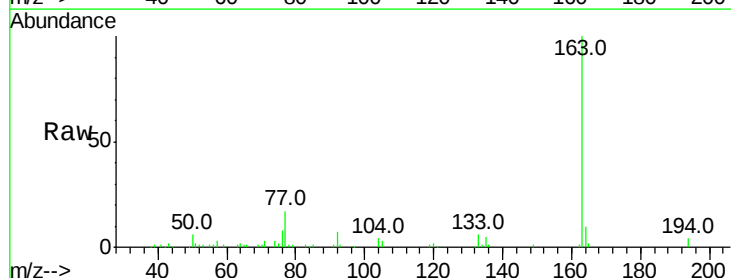
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



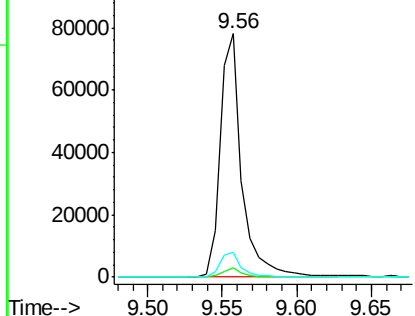
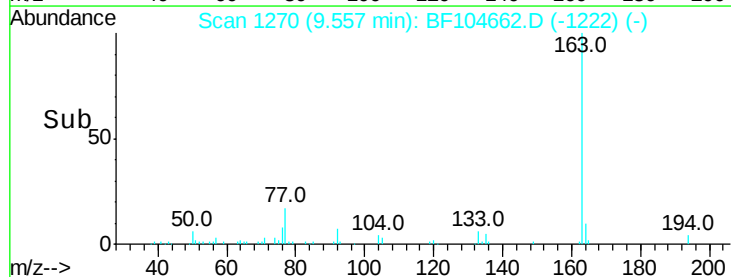
#49
 Dimethylphthalate
 Concen: 4.577 ng
 RT: 9.56 min Scan# 1270
 Delta R.T. -0.02 min
 Lab File: BF104662.D
 Acq: 20 Apr 2018 7:25

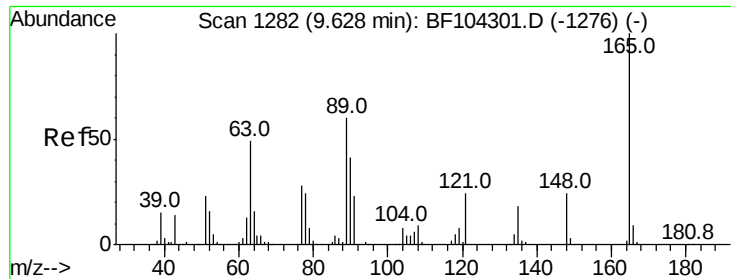
Tgt Ion:163 Resp: 79340

Ion	Ratio	Lower	Upper
163	100		
194	3.8	2.7	4.1
164	10.2	8.2	12.2



Abundance Ion 163.00 (162.70 to 163.70): E
 Ion 194.00 (193.70 to 194.70): E
 Ion 164.00 (163.70 to 164.70): E





#50

2,6-Dinitrotoluene

Concen: 8.684 ng

RT: 9.84 min Scan# 1318

Delta R.T. 0.20 min

Lab File: BF104662.D

Acq: 20 Apr 2018 7:25

Instrument :

BNA_F

ClientSampleId :

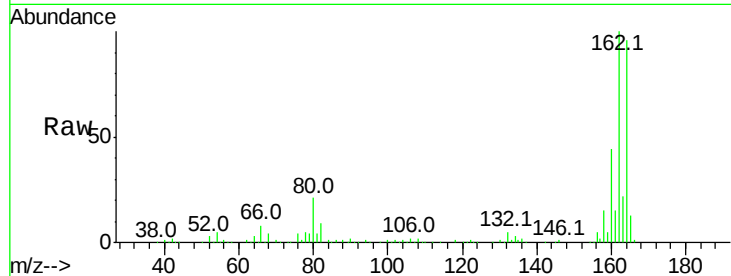
Tot Ion:165 Resp: 27857

Ion Ratio Lower Upper

165 100

63 1.7 44.7 67.1#

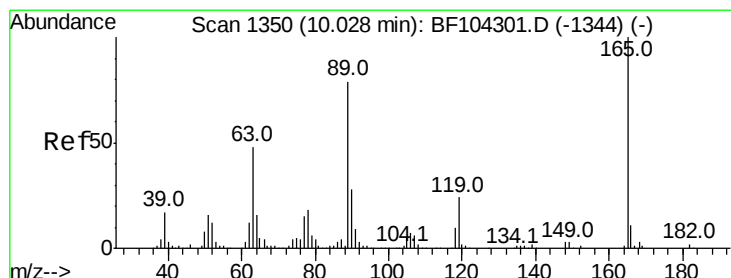
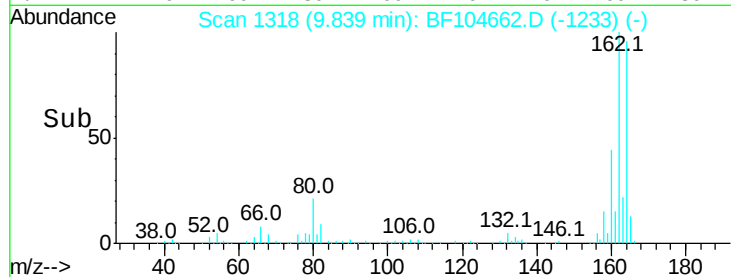
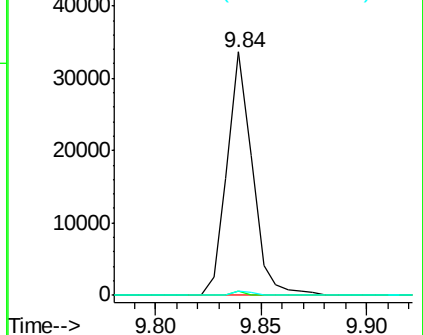
89 1.8 44.0 66.0#



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: 6.621 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.21 min

Lab File: BF104662.D

Acq: 20 Apr 2018 7:25

Tgt Ion:165 Resp: 27857

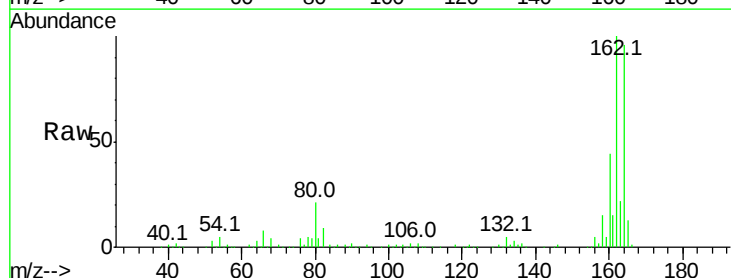
Ion Ratio Lower Upper

165 100

63 1.7 36.4 54.6#

89 1.8 57.8 86.6#

182 0.0 1.6 2.4#

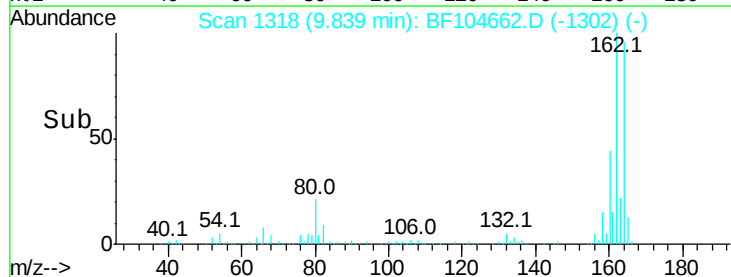
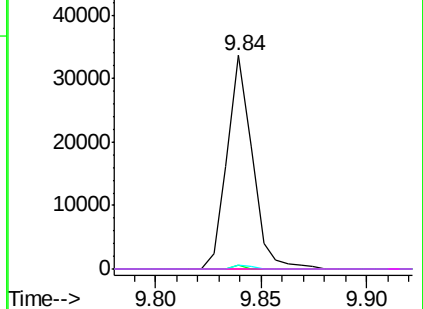


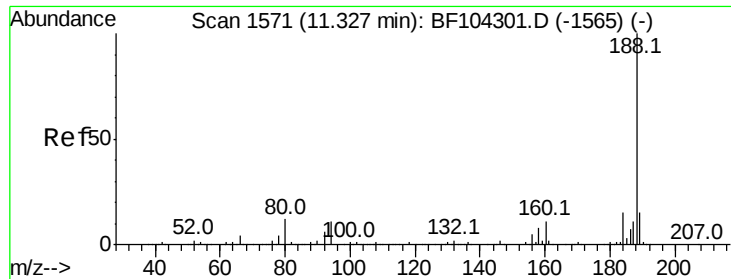
Abundance Ion 165.00 (164.70 to 165.70): E

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

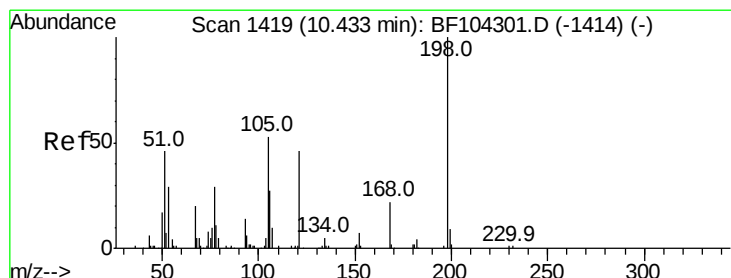
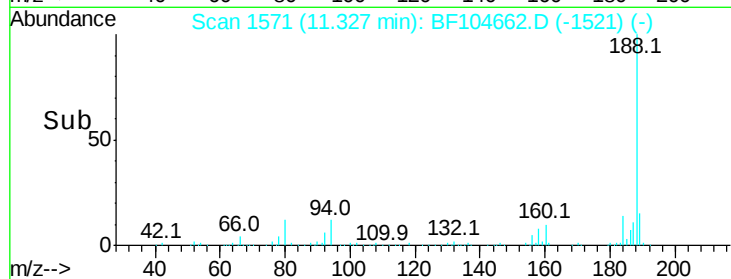
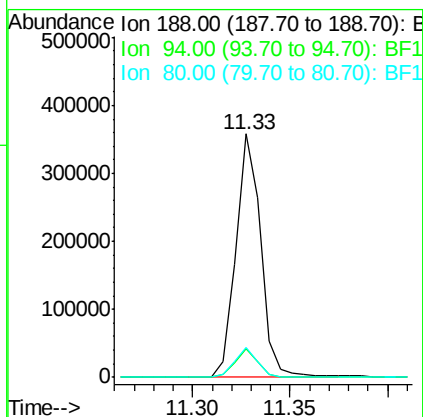
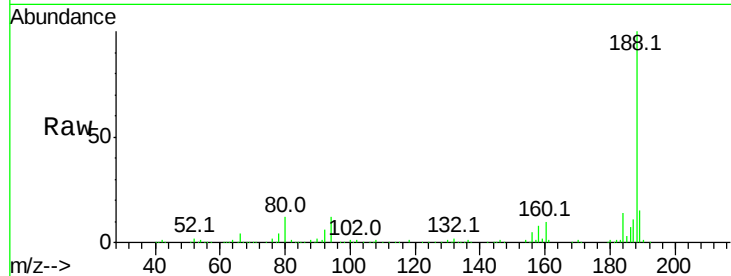




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.01 min
Lab File: BF104662.D
Acq: 20 Apr 2018 7:25

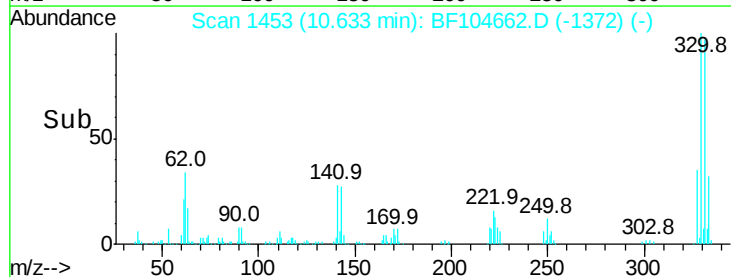
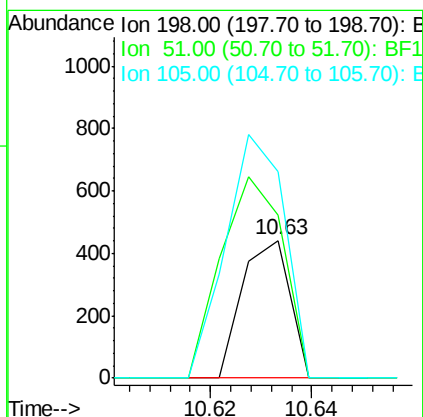
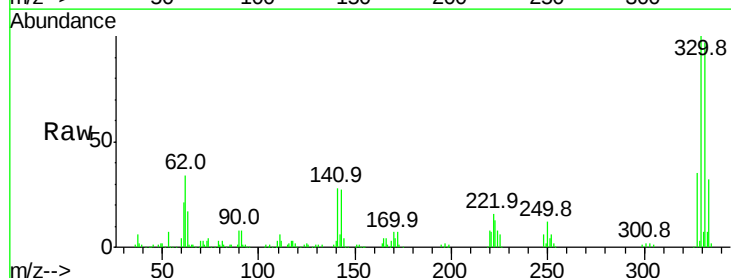
Instrument :
BNA_F
ClientSampled :

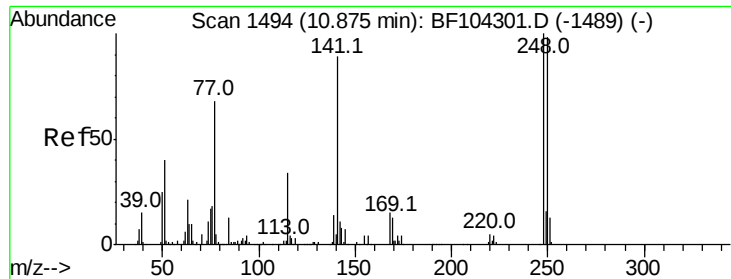
Tot Ion:188 Resp: 316805
Ion Ratio Lower Upper
188 100
94 11.5 8.5 12.7
80 12.4 9.2 13.8



#64
4,6-Dinitro-2-methylphenol
Concen: 7.506 ng
RT: 10.63 min Scan# 1453
Delta R.T. 0.18 min
Lab File: BF104662.D
Acq: 20 Apr 2018 7:25

Tgt Ion:198 Resp: 289
Ion Ratio Lower Upper
198 100
51 118.6 37.7 77.7#
105 150.0 36.3 76.3#

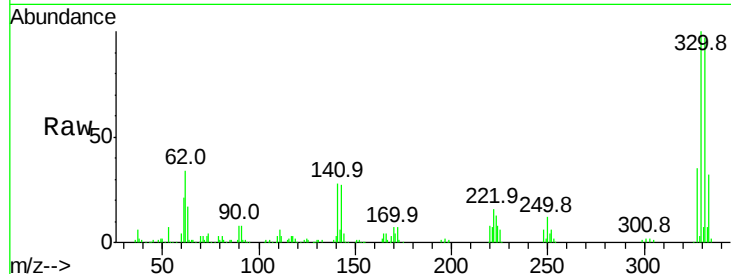




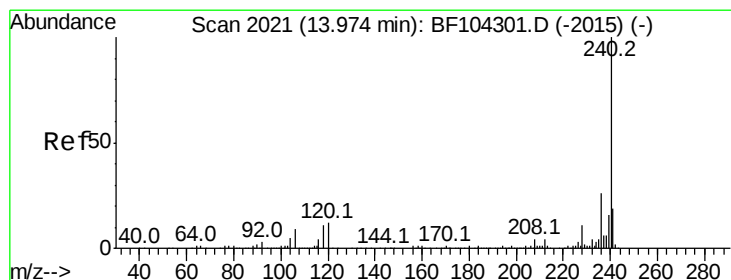
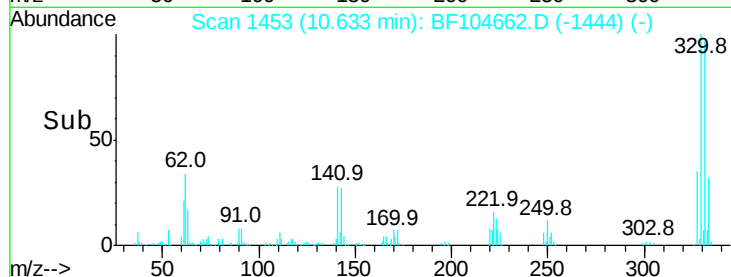
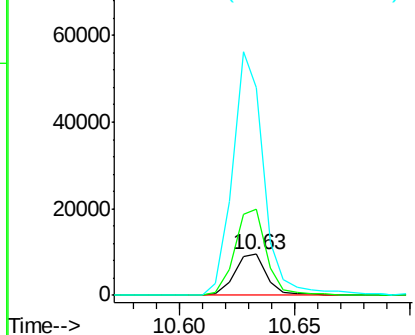
#66
4-Bromophenyl-phenylether
Concen: 2.752 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.25 min
Lab File: BF104662.D
Acq: 20 Apr 2018 7:25

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 9274
Ion Ratio Lower Upper
248 100
250 212.2 76.9 115.3#
141 507.4 74.4 111.6#

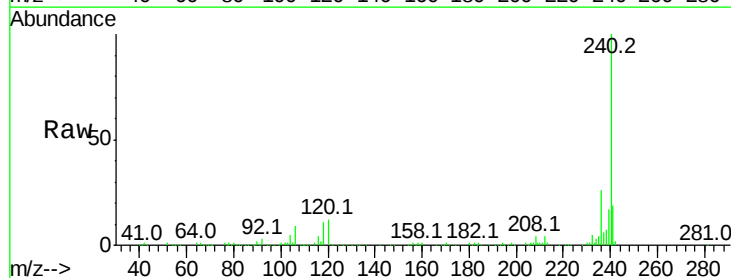


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

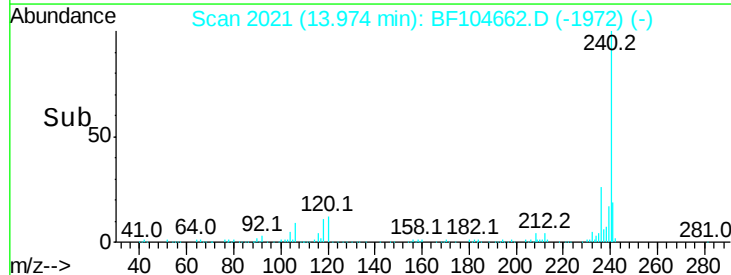
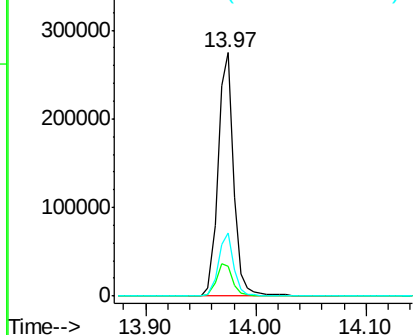


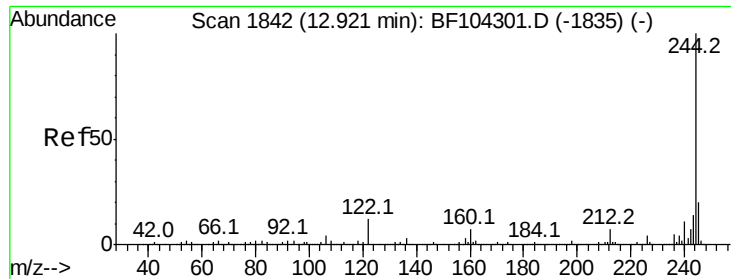
#75
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. -0.01 min
Lab File: BF104662.D
Acq: 20 Apr 2018 7:25

Tgt Ion:240 Resp: 270991
Ion Ratio Lower Upper
240 100
120 12.3 9.5 14.3
236 26.0 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

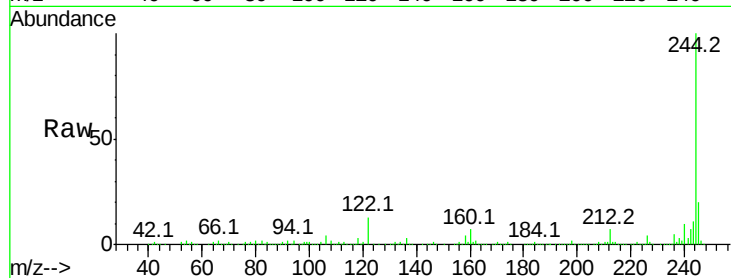




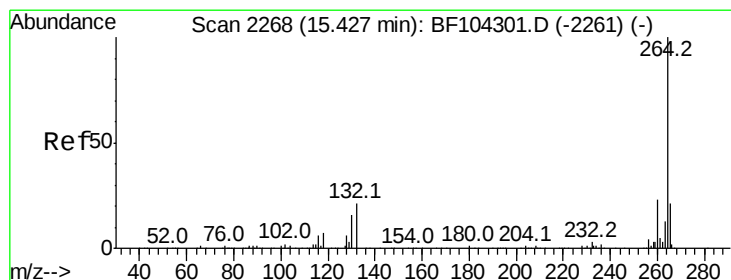
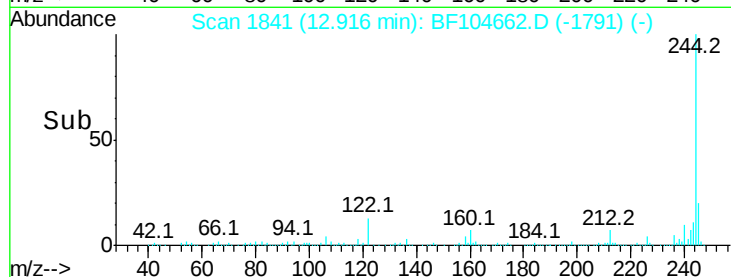
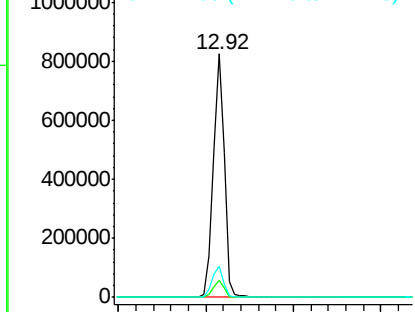
#78
 Terphenyl-d14
 Concen: 61.351 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF104662.D
 Acq: 20 Apr 2018 7:25

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 729248
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.4 8.0
 122 13.0 11.0 16.4

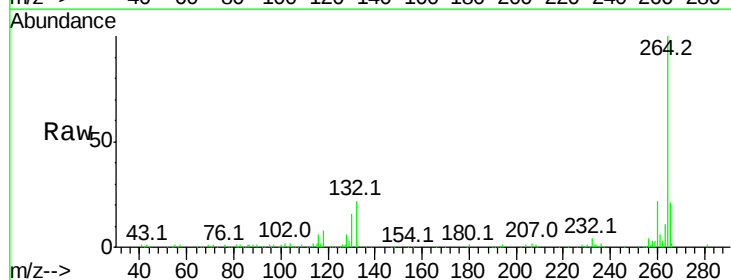


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.43 min Scan# 2269
 Delta R.T. -0.01 min
 Lab File: BF104662.D
 Acq: 20 Apr 2018 7:25

Tgt Ion:264 Resp: 204924
 Ion Ratio Lower Upper
 264 100
 260 22.4 19.2 28.8
 265 21.5 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

