

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042518\
 Data File : BF104789.D
 Acq On : 25 Apr 2018 15:26
 Operator : JU/SJ
 Sample : J247-03
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 26 08:12:08 2018
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF040618.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 25 14:01:50 2018
 Response via : Initial Calibration

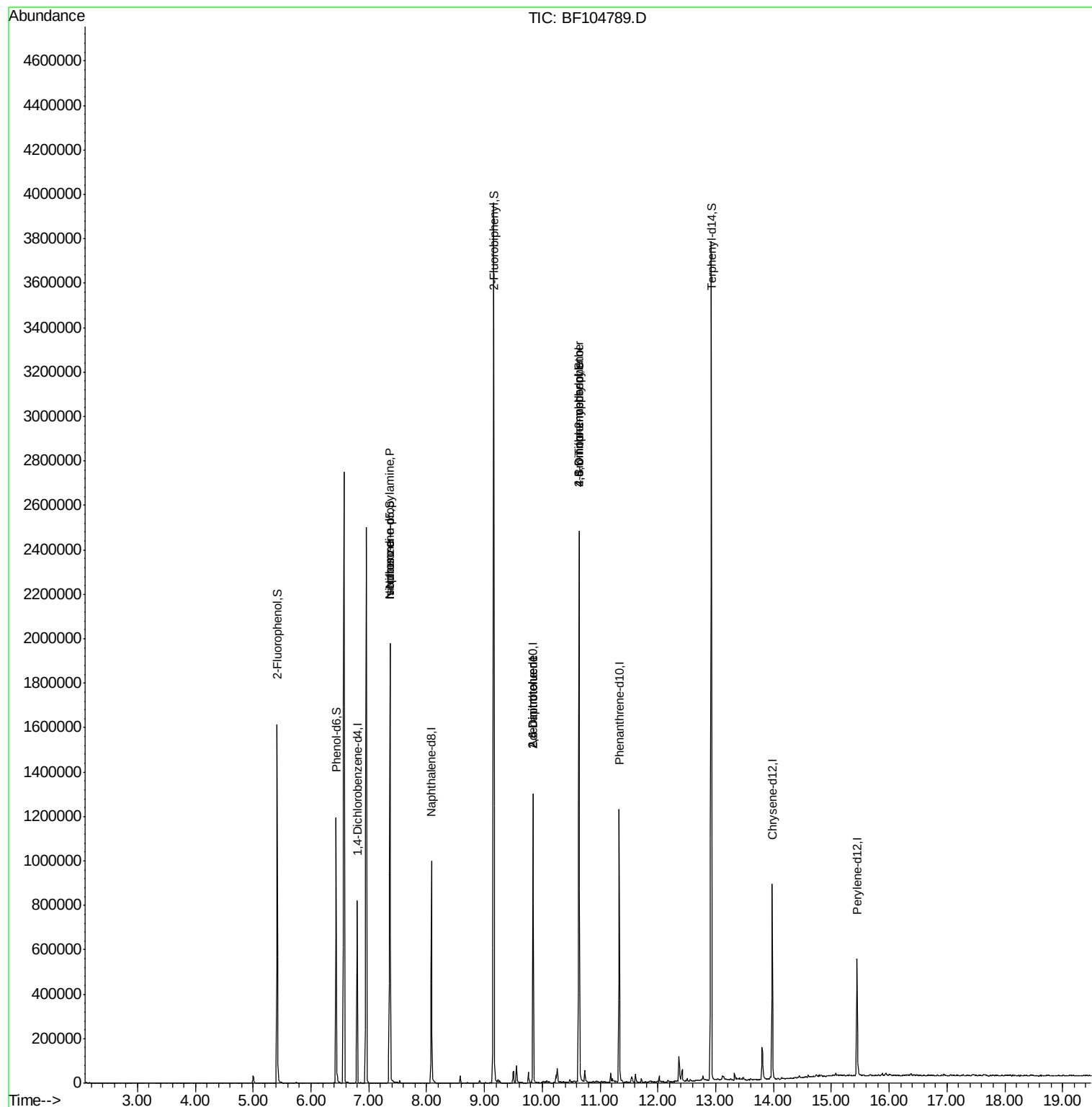
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	116779	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	501167	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	247709	20.00	ng	0.00
63) Phenanthrene-d10	11.33	188	481561	20.00	ng	0.00
75) Chrysene-d12	13.98	240	323312	20.00	ng	0.00
86) Perylene-d12	15.44	264	239122	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	471033	61.68	ng	0.00
7) Phenol-d6	6.43	99	405963	43.26	ng	-0.01
23) Nitrobenzene-d5	7.37	82	736794	96.00	ng	0.00
41) 2,4,6-Tribromophenol	10.64	330	352531	137.20	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1359570	86.71	ng	0.00
78) Terphenyl-d14	12.93	244	1459918	102.95	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	97642	15.924	ng	# 73
25) Isophorone	7.37	82	736877	45.402	ng	# 64
50) 2,6-Dinitrotoluene	9.84	165	32116	8.885	ng	# 25
56) 2,4-Dinitrotoluene	9.84	165	32116	6.774	ng	# 23
64) 4,6-Dinitro-2-methylphenol	10.64	198	741	7.615	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	21649	4.226	ng	# 1
76) Benzidine	12.93	184	19938	Below Cal		96

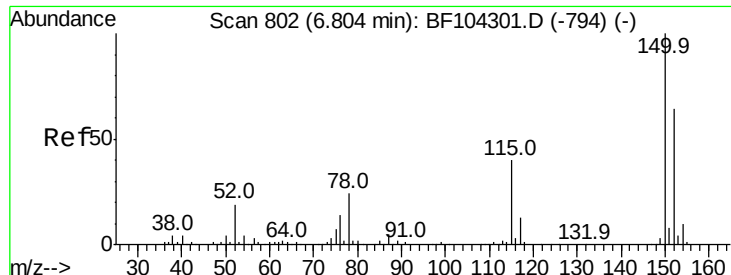
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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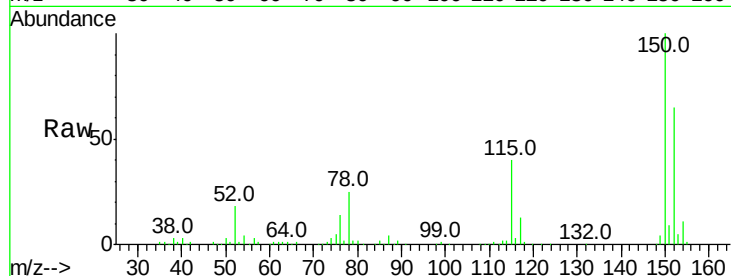


#1

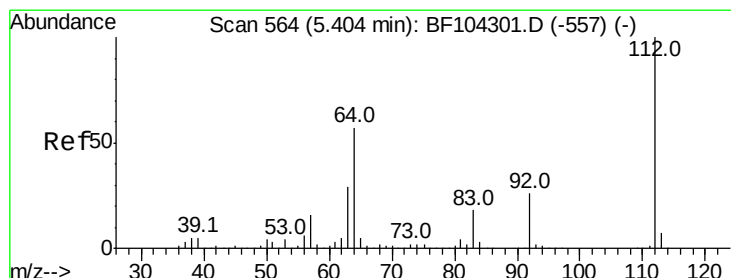
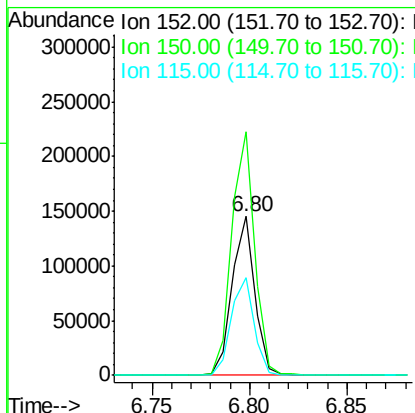
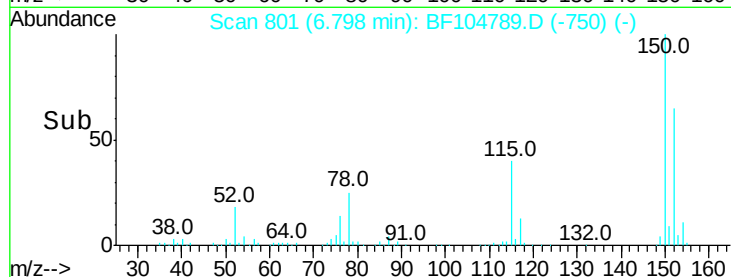
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.00 min
Lab File: BF104789.D
Acq: 25 Apr 2018 15:26

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 116779
Ion Ratio Lower Upper
152 100
150 153.2 124.6 186.8
115 61.3 50.1 75.1



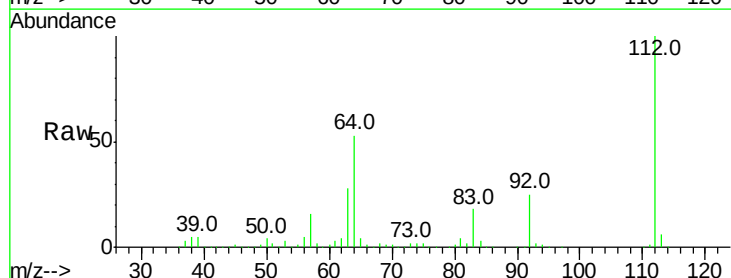
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



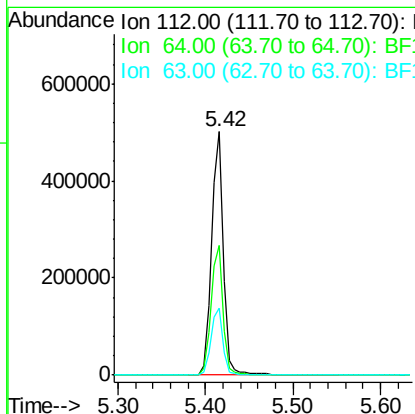
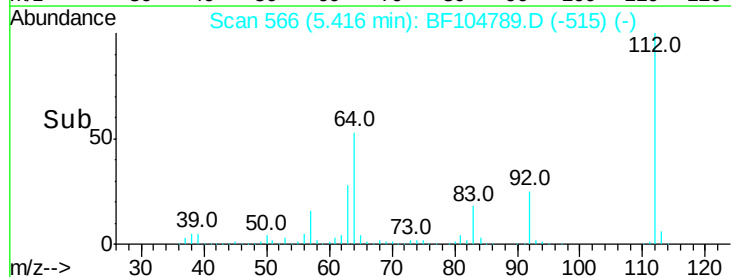
#5

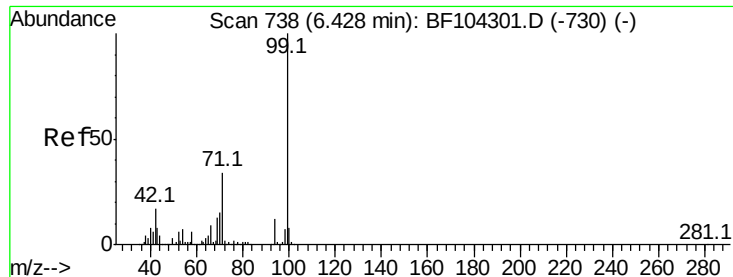
2-Fluorophenol
Concen: 61.675 ng
RT: 5.42 min Scan# 566
Delta R.T. -0.00 min
Lab File: BF104789.D
Acq: 25 Apr 2018 15:26

Tgt Ion:112 Resp: 471033
Ion Ratio Lower Upper
112 100
64 53.1 47.9 71.9
63 27.7 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: 43.262 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF104789.D

Acq: 25 Apr 2018 15:26

Instrument :

BNA_F

ClientSampleId :

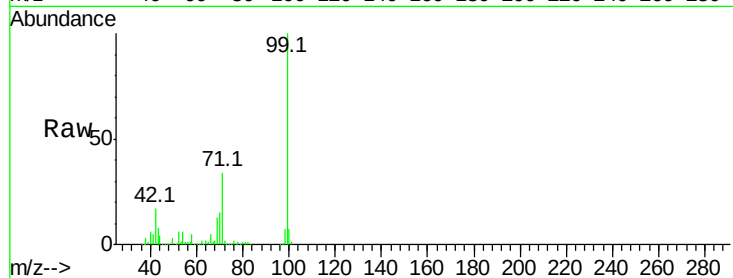
Tot Ion: 99 Resp: 405963

Ion Ratio Lower Upper

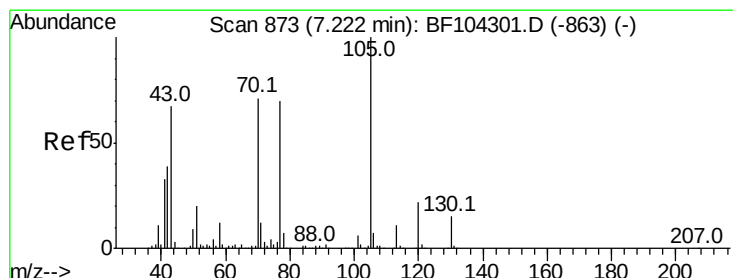
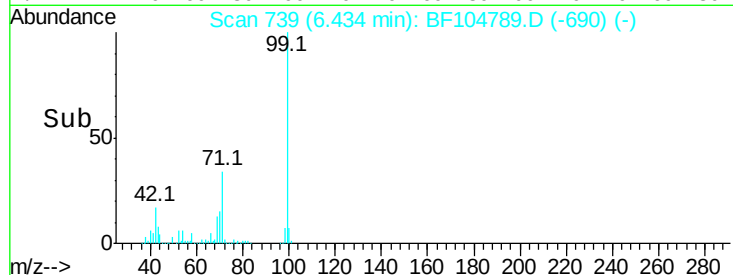
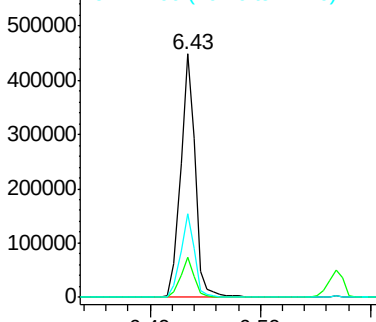
99 100

42 16.5 14.5 21.7

71 34.1 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: 15.924 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.15 min

Lab File: BF104789.D

Acq: 25 Apr 2018 15:26

Tgt Ion: 70 Resp: 97642

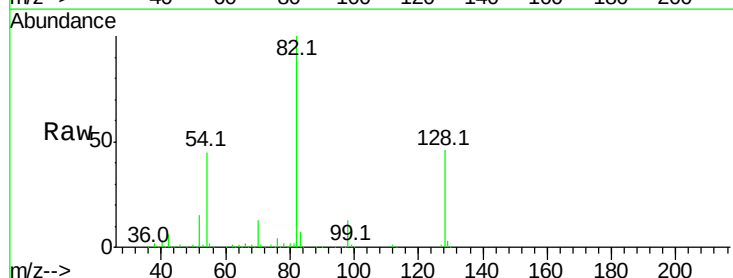
Ion Ratio Lower Upper

70 100

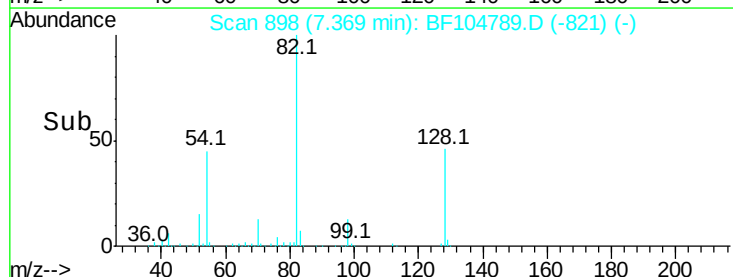
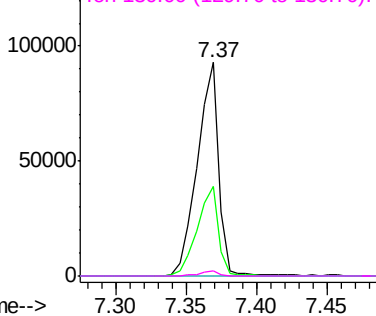
42 41.9 47.5 71.3#

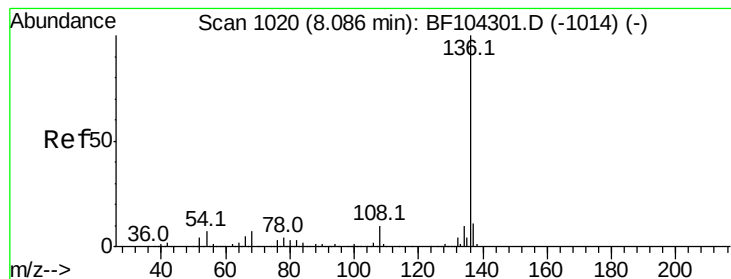
101 0.0 7.4 11.2#

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: 8.08 min Scan# 1019

Delta R.T. -0.01 min

Lab File: BF104789.D

Acq: 25 Apr 2018 15:26

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 501167

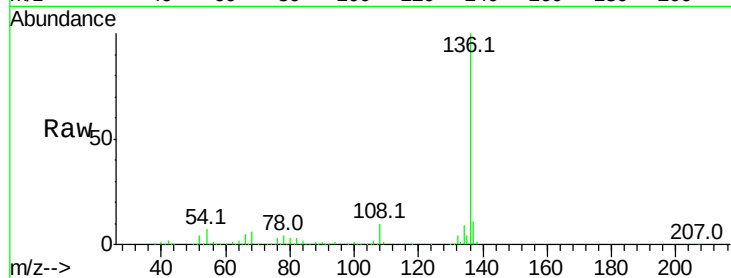
Ion Ratio Lower Upper

136 100

137 11.1 8.9 13.3

54 6.6 6.6 9.8#

68 5.6 5.0 7.4

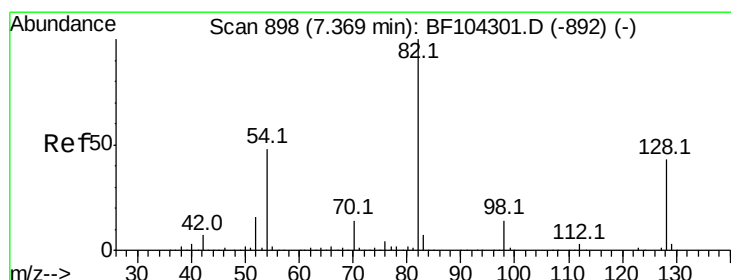
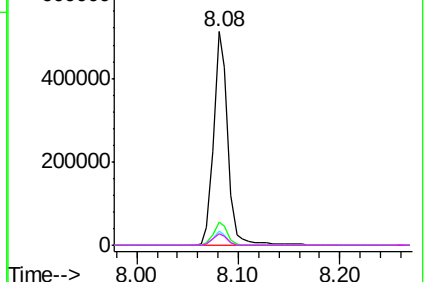
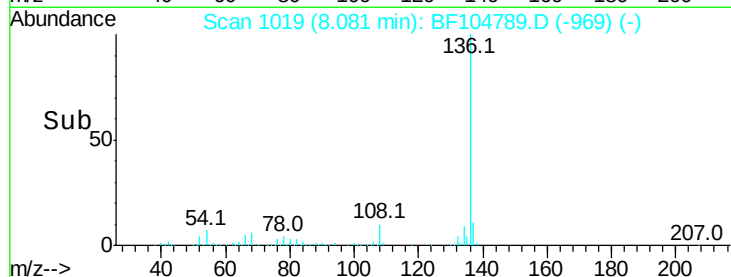


Abundance Ion 136.00 (135.70 to 136.70): E

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: 95.998 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF104789.D

Acq: 25 Apr 2018 15:26

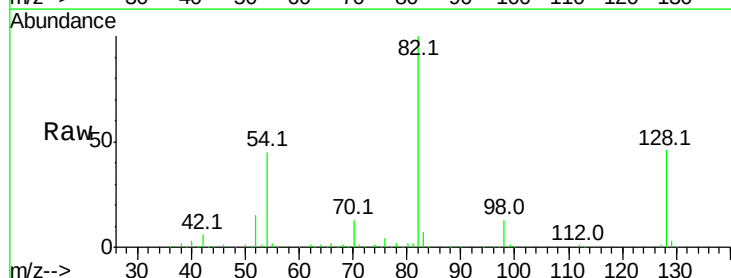
Tgt Ion: 82 Resp: 736794

Ion Ratio Lower Upper

82 100

128 46.3 36.1 54.1

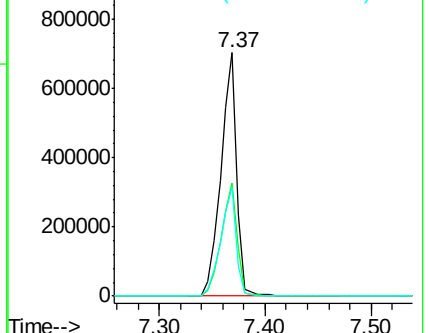
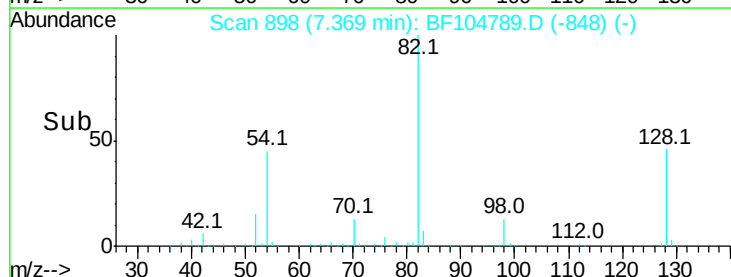
54 44.7 41.4 62.2

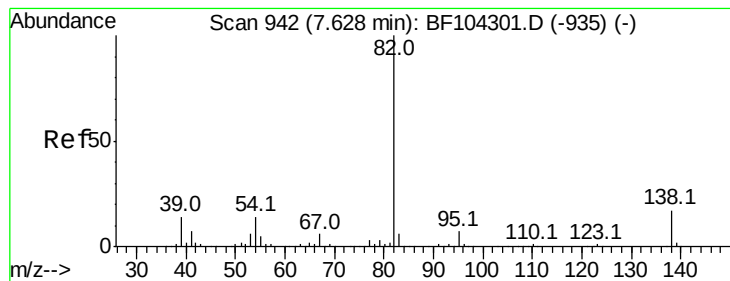


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 45.402 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104789.D

Acq: 25 Apr 2018 15:26

Instrument :

BNA_F

ClientSampled :

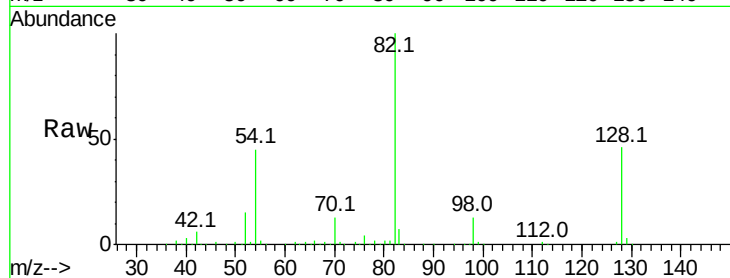
Tot Ion: 82 Resp: 736877

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

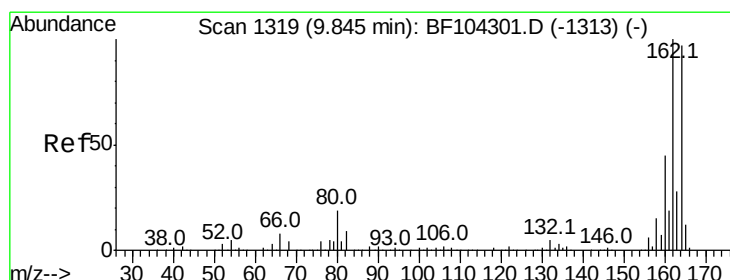
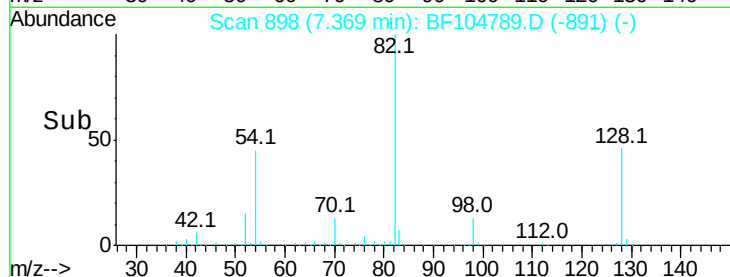
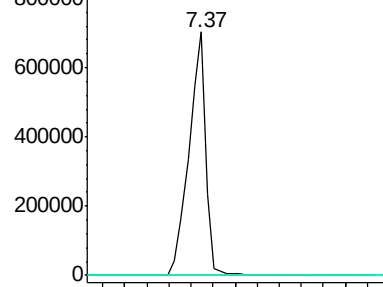
138 0.0 14.9 22.3#



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: BF104789.D

Acq: 25 Apr 2018 15:26

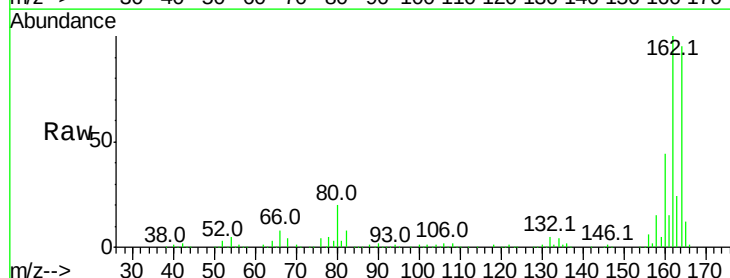
Tgt Ion: 164 Resp: 247709

Ion Ratio Lower Upper

164 100

162 105.1 86.1 129.1

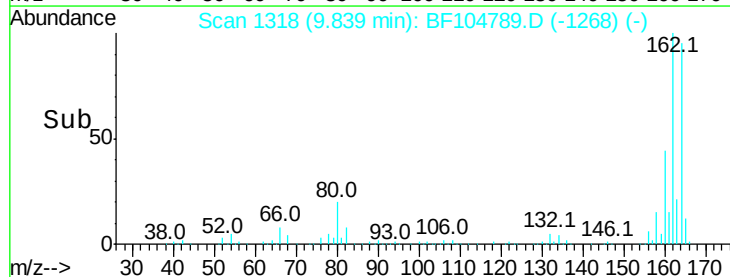
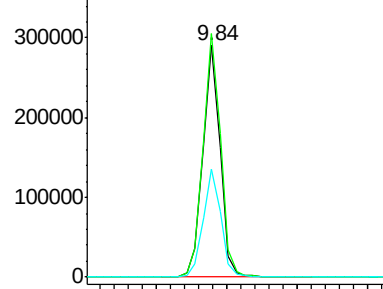
160 46.6 38.3 57.5

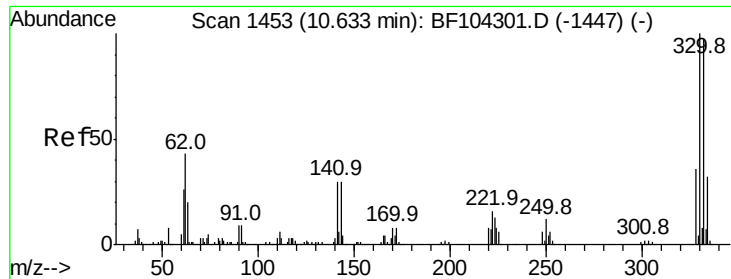


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

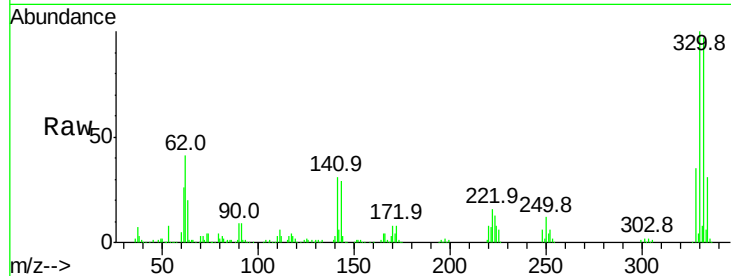




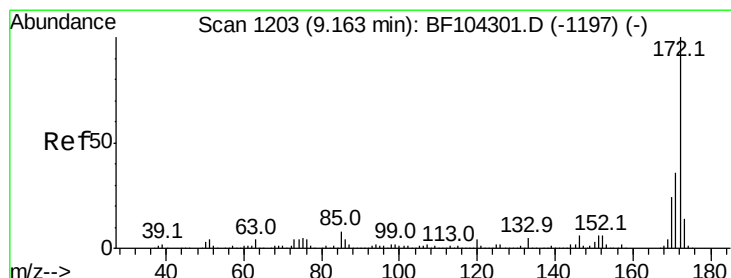
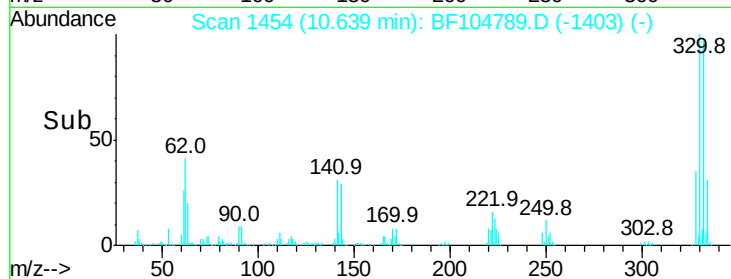
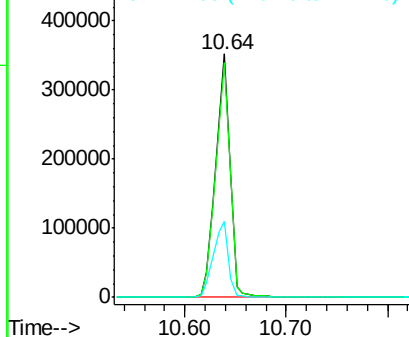
#41
 2,4,6-Tribromophenol
 Concen: 137.195 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.00 min
 Lab File: BF104789.D
 Acq: 25 Apr 2018 15:26

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	77.0	115.6
141	32.4	29.9	44.9

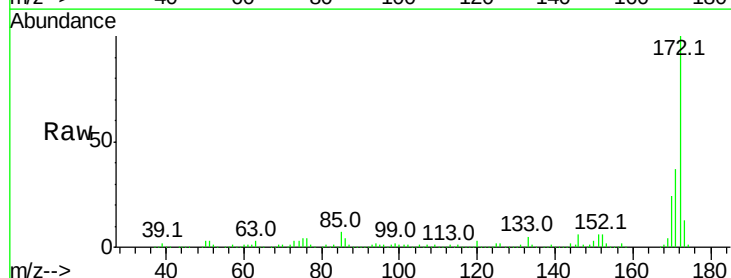


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

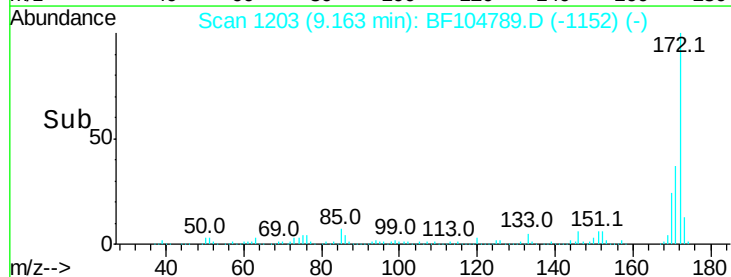
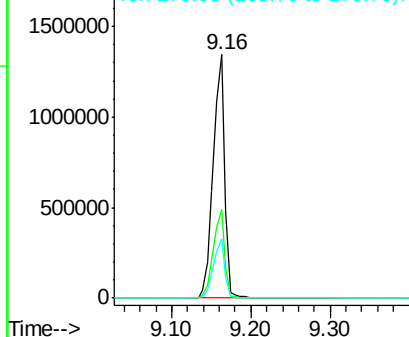


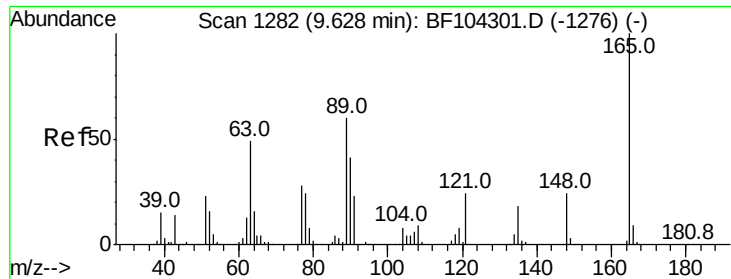
#44
 2-Fluorobiphenyl
 Concen: 86.706 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: BF104789.D
 Acq: 25 Apr 2018 15:26

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.7	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

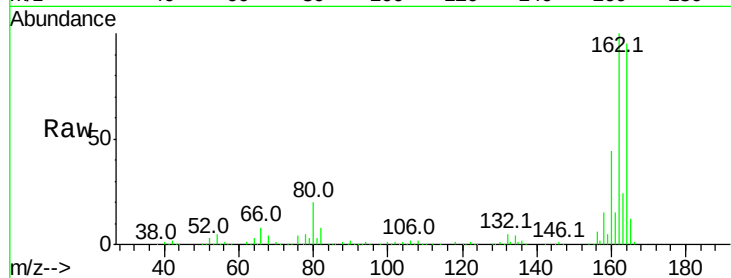




#50
 2,6-Dinitrotoluene
 Concen: 8.885 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.21 min
 Lab File: BF104789.D
 Acq: 25 Apr 2018 15:26

Instrument :
 BNA_F
 ClientSampleId :

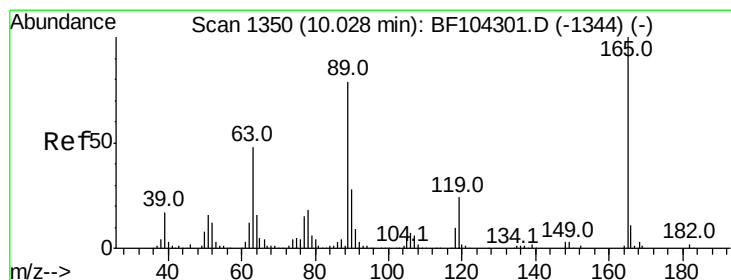
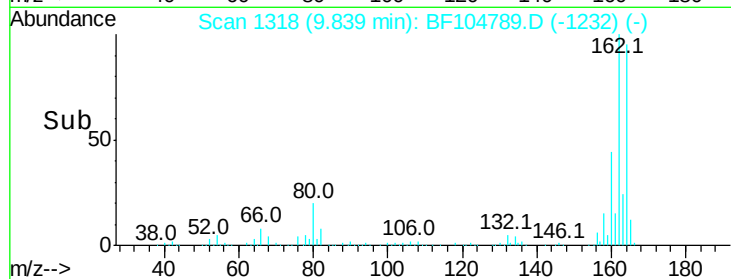
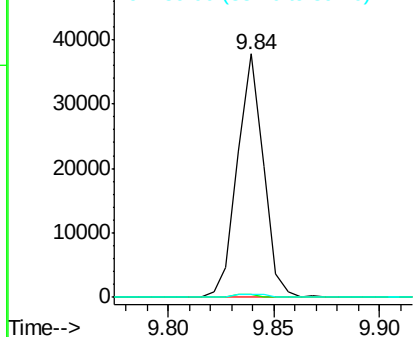
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	44.7	67.1#
89	1.2	44.0	66.0#



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: 6.774 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. -0.20 min
 Lab File: BF104789.D
 Acq: 25 Apr 2018 15:26

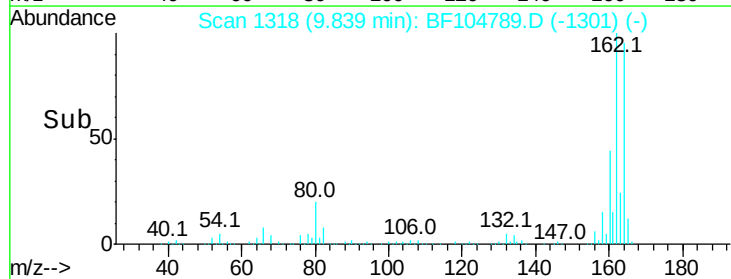
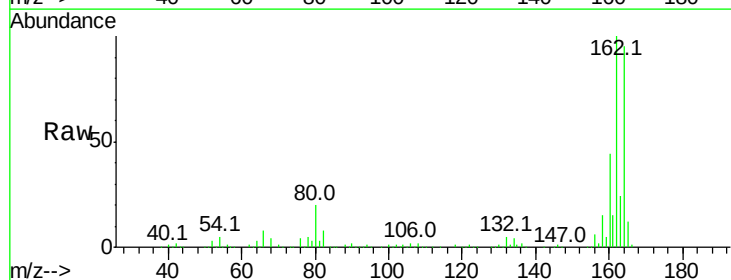
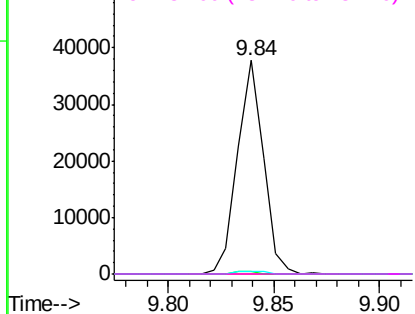
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.1	36.4	54.6#
89	1.2	57.8	86.6#
182	0.0	1.6	2.4#

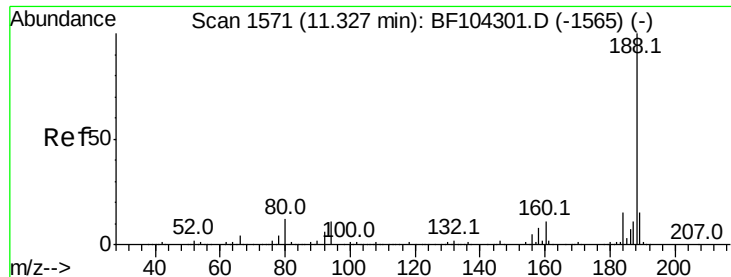
Abundance Ion 165.00 (164.70 to 165.70): E

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

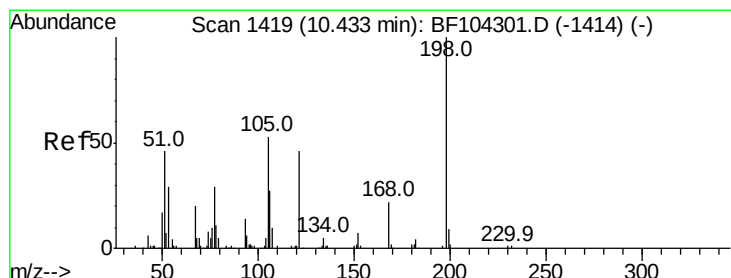
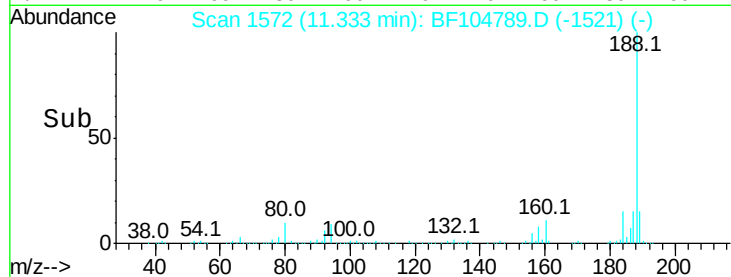
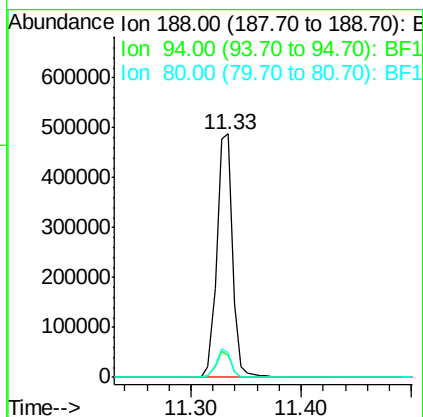
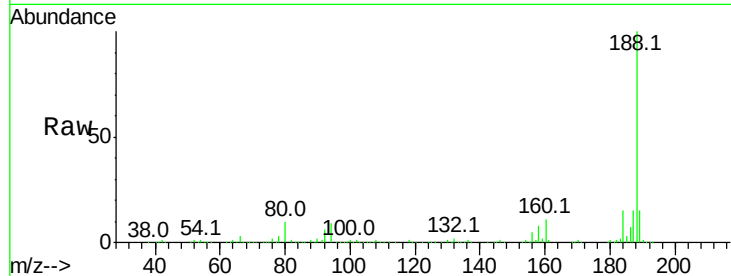




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: BF104789.D
 Acq: 25 Apr 2018 15:26

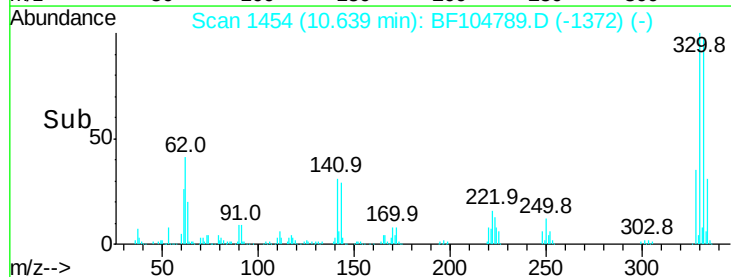
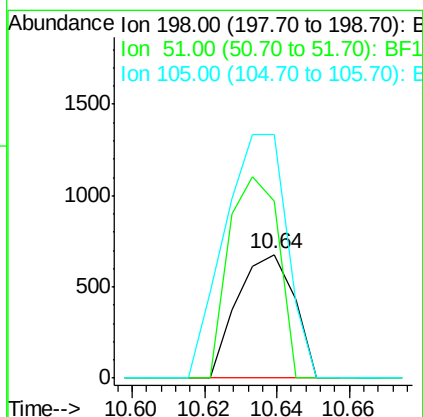
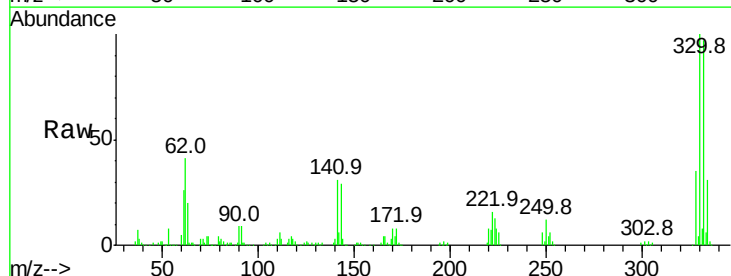
Instrument :
 BNA_F
 ClientSampleId :

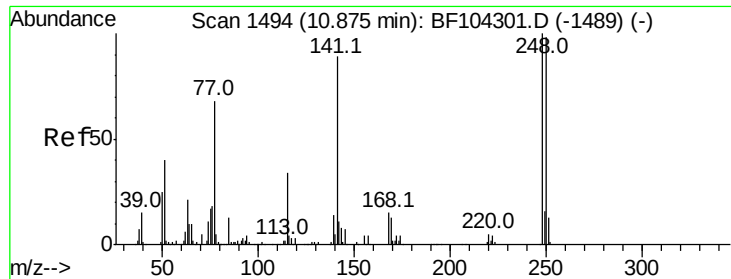
Tot Ion:188 Resp: 481561
 Ion Ratio Lower Upper
 188 100
 94 9.3 8.5 12.7
 80 10.0 9.2 13.8



#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.615 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.18 min
 Lab File: BF104789.D
 Acq: 25 Apr 2018 15:26

Tgt Ion:198 Resp: 741
 Ion Ratio Lower Upper
 198 100
 51 143.0 37.7 77.7#
 105 197.2 36.3 76.3#

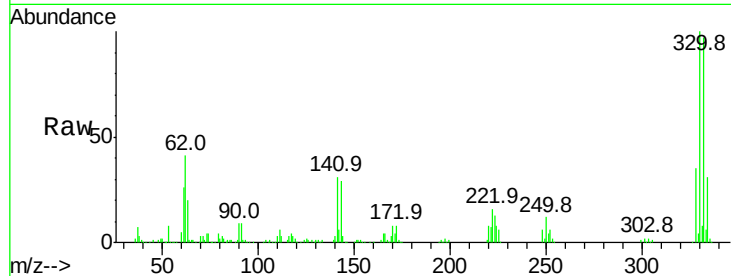




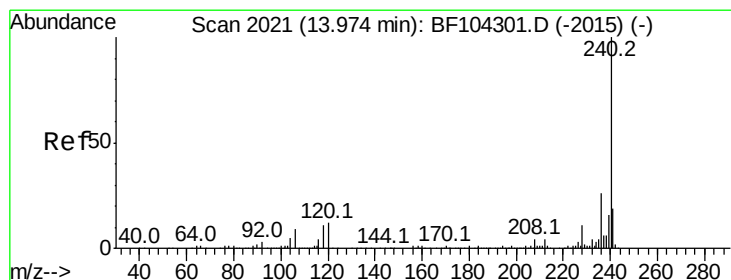
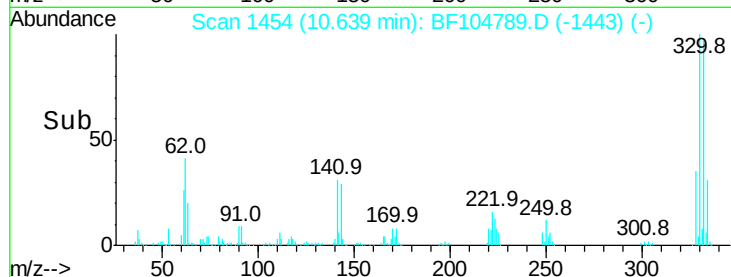
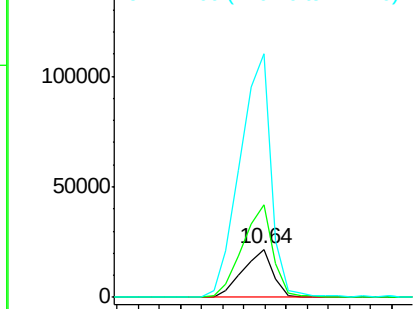
#66
 4-Bromophenyl-phenylether
 Concen: 4.226 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF104789.D
 Acq: 25 Apr 2018 15:26

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 21649
 Ion Ratio Lower Upper
 248 100
 250 194.3 76.9 115.3#
 141 509.6 74.4 111.6#

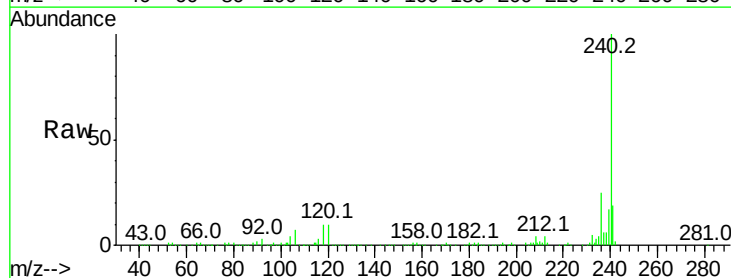


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

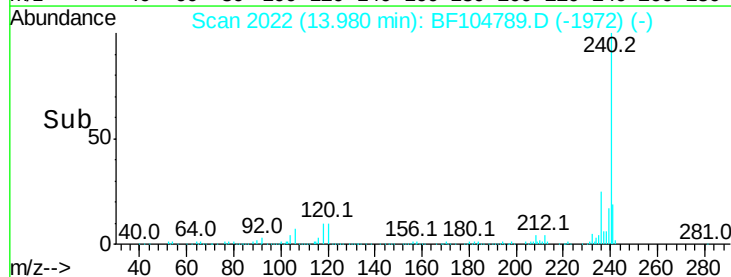
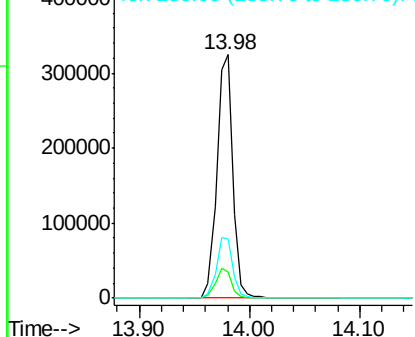


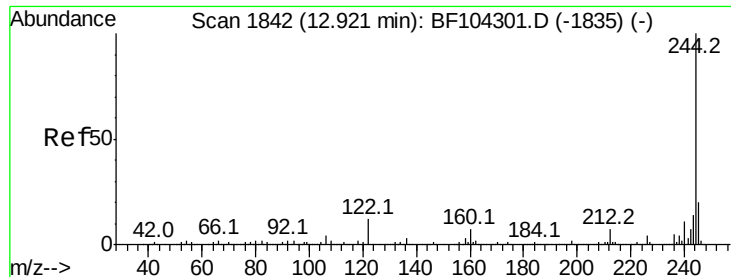
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BF104789.D
 Acq: 25 Apr 2018 15:26

Tgt Ion:240 Resp: 323312
 Ion Ratio Lower Upper
 240 100
 120 10.5 9.5 14.3
 236 24.6 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: 102.946 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BF104789.D

Acq: 25 Apr 2018 15:26

Instrument :

BNA_F

ClientSampleId :

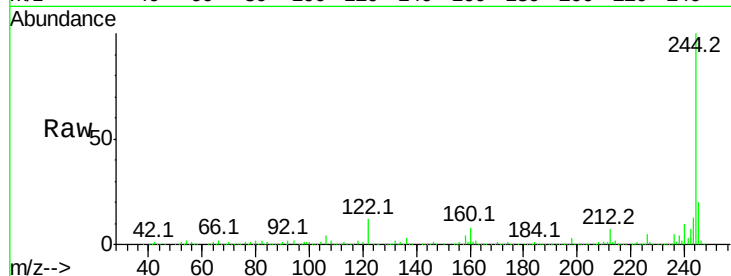
Tot Ion:244 Resp: 1459918

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.0

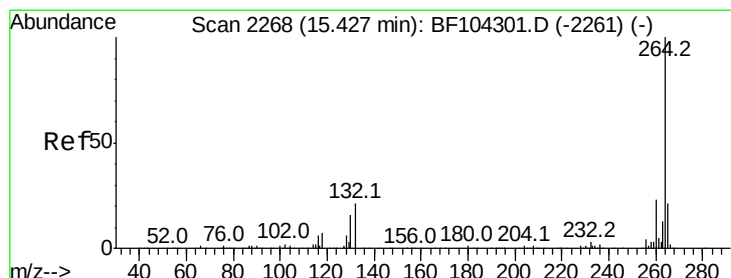
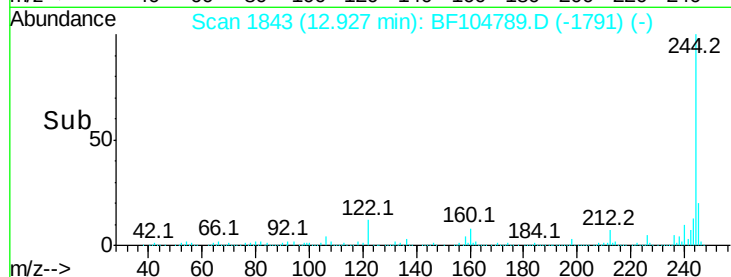
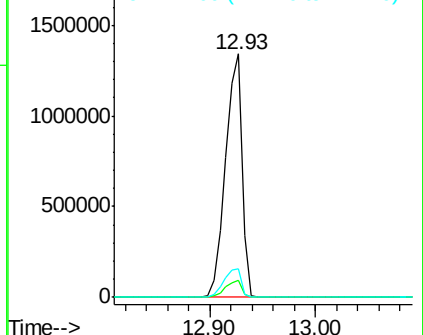
122 12.0 11.0 16.4



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: 15.44 min Scan# 2271

Delta R.T. -0.02 min

Lab File: BF104789.D

Acq: 25 Apr 2018 15:26

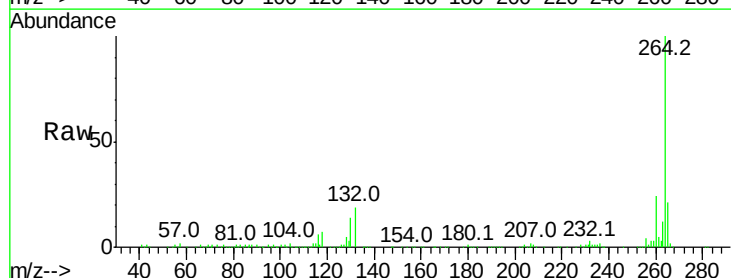
Tgt Ion:264 Resp: 239122

Ion Ratio Lower Upper

264 100

260 23.9 19.2 28.8

265 21.4 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

