

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041918\
 Data File : BF104619.D
 Acq On : 19 Apr 2018 9:53
 Operator : JU/SJ
 Sample : J2387-10
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 19 14:44:29 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

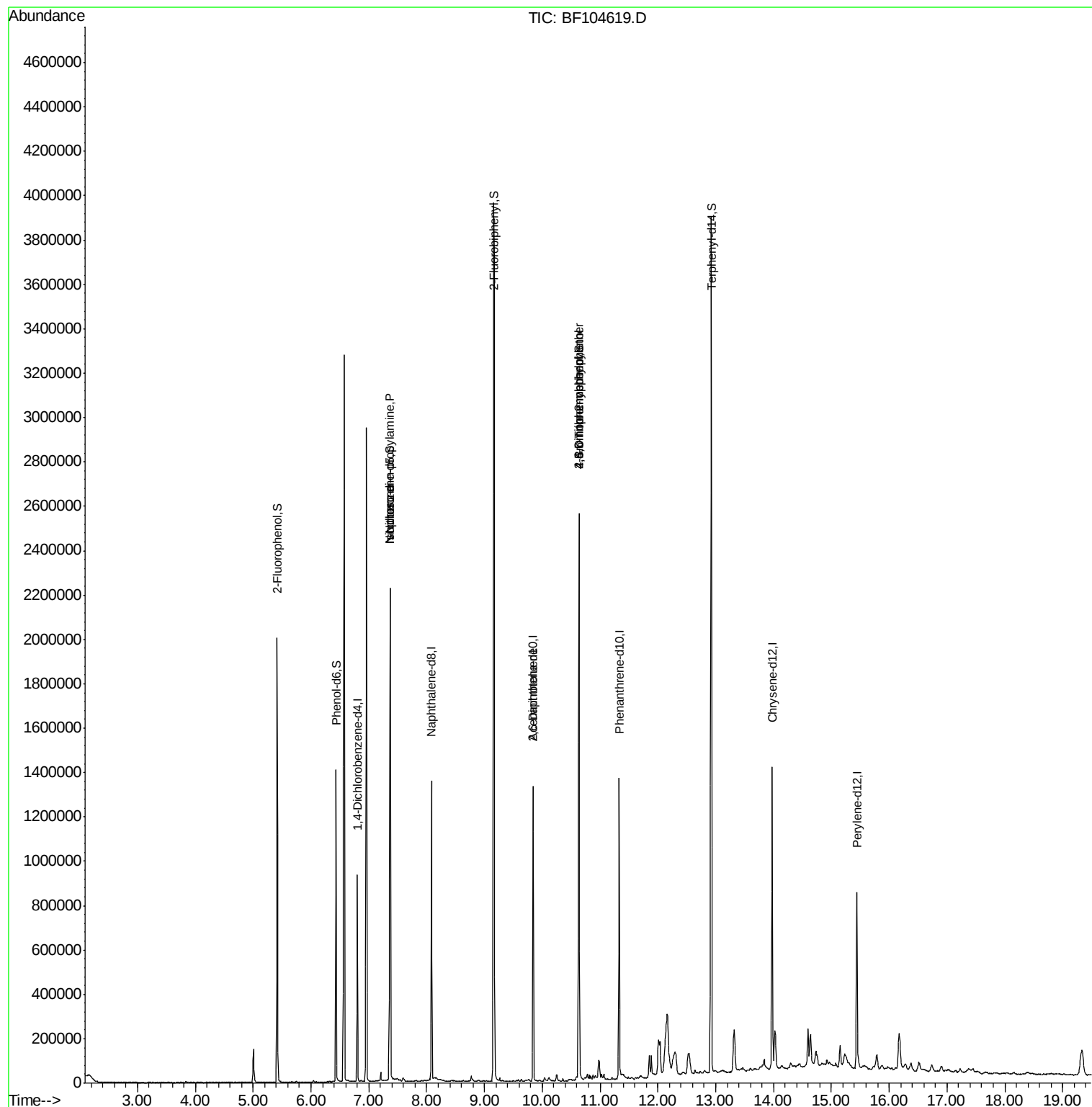
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	140565	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	579667	20.00	ng	0.00
38) Acenaphthene-d10	9.84	164	271460	20.00	ng	-0.01
63) Phenanthrene-d10	11.33	188	500724	20.00	ng	0.00
75) Chrysene-d12	13.97	240	430468	20.00	ng	-0.01
86) Perylene-d12	15.44	264	379966	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	567923	61.78	ng	0.00
7) Phenol-d6	6.43	99	441744	39.11	ng	-0.01
23) Nitrobenzene-d5	7.37	82	943662	106.30	ng	-0.01
41) 2,4,6-Tribromophenol	10.64	330	392690	139.45	ng	0.00
44) 2-Fluorobiphenyl	9.16	172	1508536	87.79	ng	0.00
78) Terphenyl-d14	12.93	244	1634613	86.57	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	125441	16.995	ng	# 72
25) Isophorone	7.37	82	934550	49.784	ng	# 64
50) 2,6-Dinitrotoluene	9.84	165	34460	8.700	ng	# 26
64) 4,6-Dinitro-2-methylphenol	10.63	198	689	7.586	ng	# 1
66) 4-Bromophenyl-phenylether	10.64	248	23176	4.351	ng	# 1
76) Benzidine	12.93	184	21938	Below Cal		96

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

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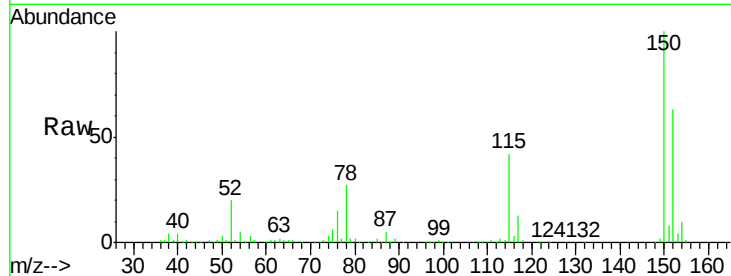


#1

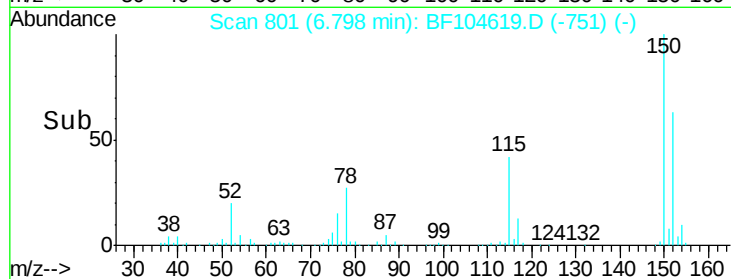
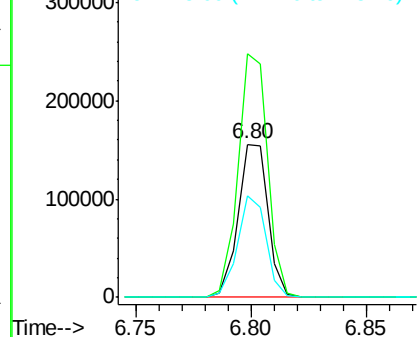
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. -0.01 min
Lab File: BF104619.D
Acq: 19 Apr 2018 9:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 140565
Ion Ratio Lower Upper
152 100
150 159.2 124.6 186.8
115 66.4 50.1 75.1



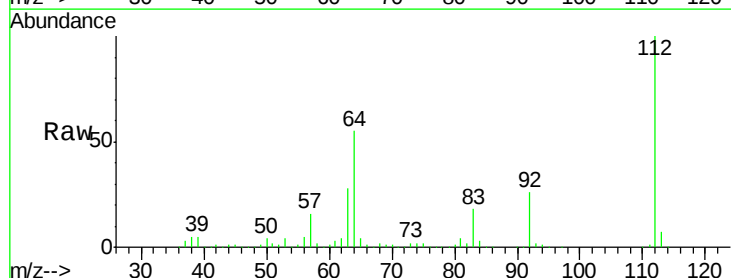
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



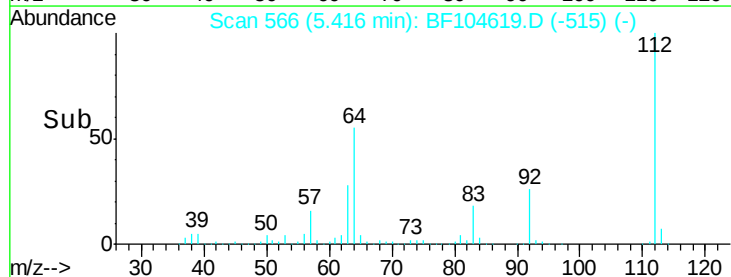
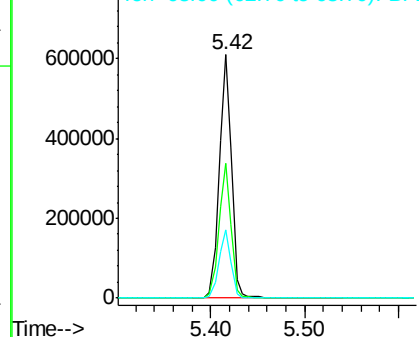
#5

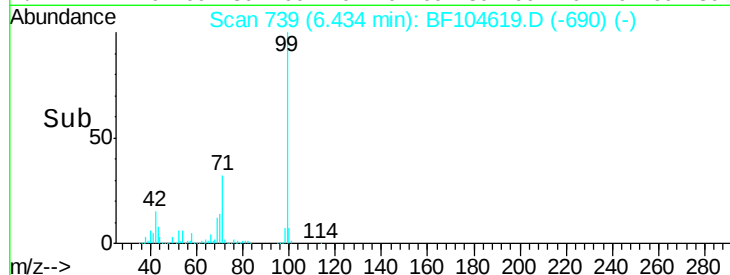
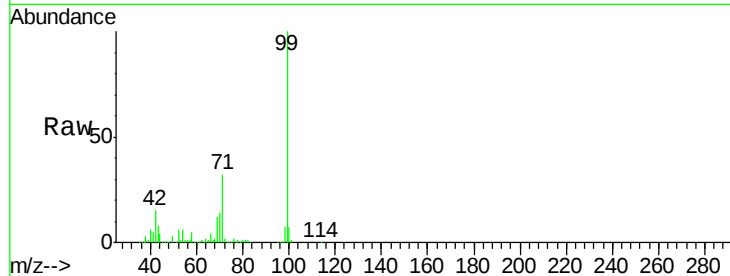
2-Fluorophenol
Concen: 61.778 ng
RT: 5.42 min Scan# 566
Delta R.T. 0.00 min
Lab File: BF104619.D
Acq: 19 Apr 2018 9:53

Tgt Ion:112 Resp: 567923
Ion Ratio Lower Upper
112 100
64 55.4 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: 39.109 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.01 min

Lab File: BF104619.D

Acq: 19 Apr 2018 9:53

Instrument :

BNA_F

ClientSampleId :

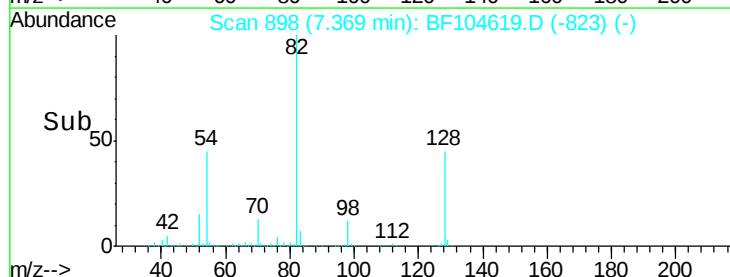
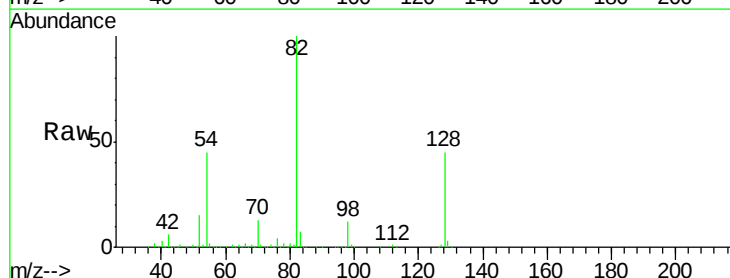
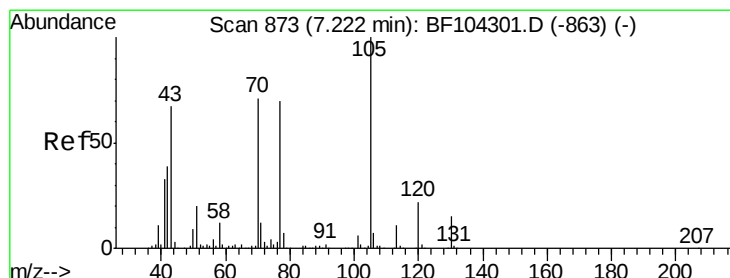
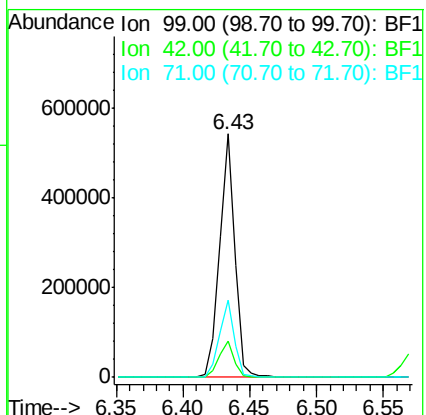
Tot Ion: 99 Resp: 441744

Ion Ratio Lower Upper

99 100

42 15.1 14.5 21.7

71 31.9 25.4 38.0



#19

n-Nitroso-di-n-propylamine

Concen: 16.995 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF104619.D

Acq: 19 Apr 2018 9:53

Tgt Ion: 70 Resp: 125441

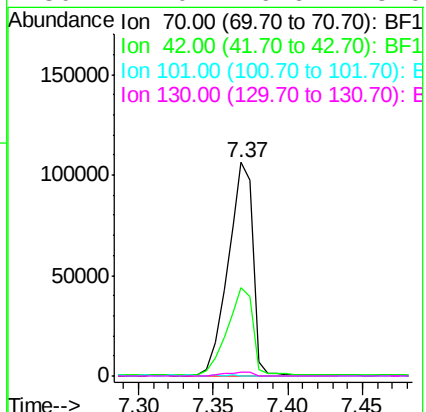
Ion Ratio Lower Upper

70 100

42 41.3 47.5 71.3#

101 0.0 7.4 11.2#

130 2.0 16.6 25.0#

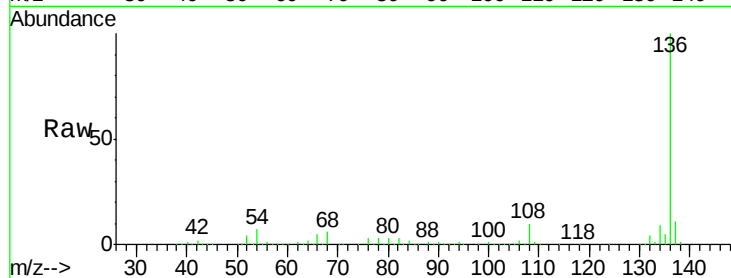




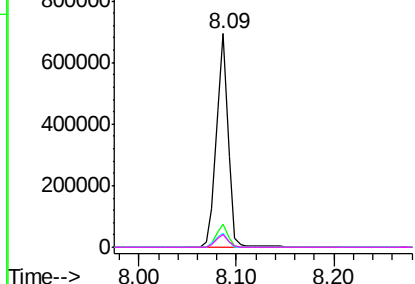
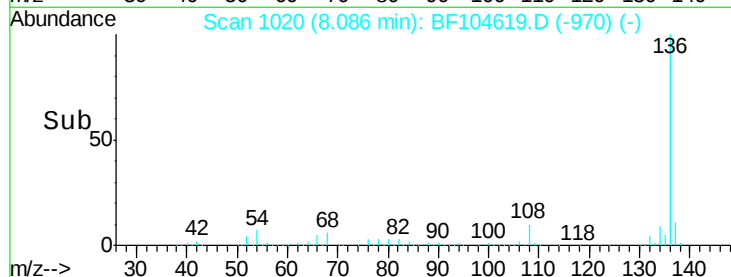
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.01 min
Lab File: BF104619.D
Acq: 19 Apr 2018 9:53

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	579667
Ion Ratio	Lower	Upper
136 100		
137 11.0	8.9	13.3
54 6.7	6.6	9.8
68 6.1	5.0	7.4

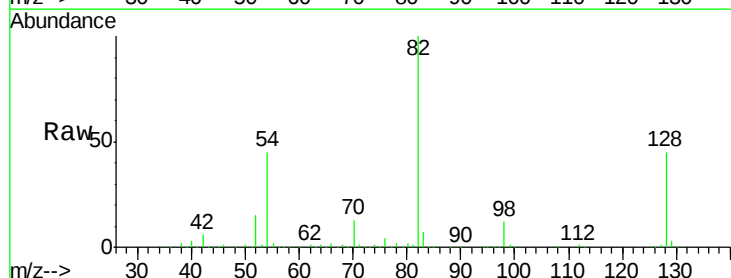


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

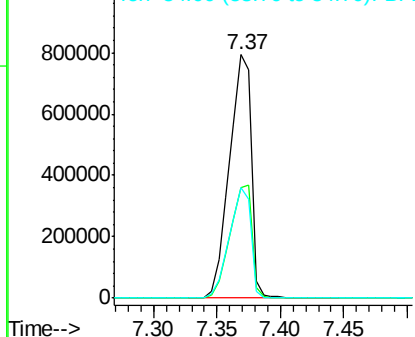
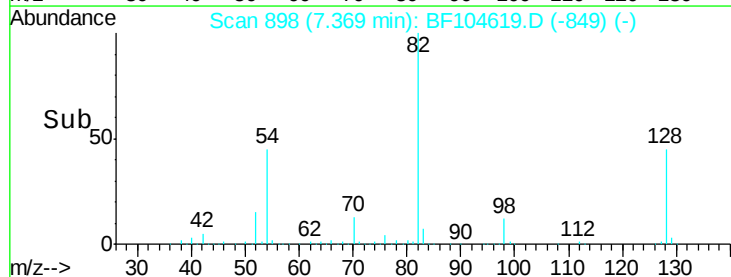


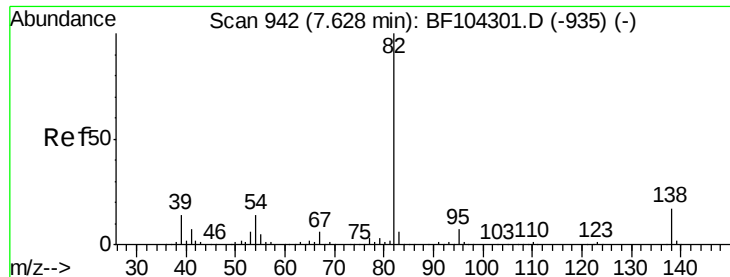
#23
Nitrobenzene-d5
Concen: 106.301 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF104619.D
Acq: 19 Apr 2018 9:53

Tgt Ion: 82	Resp:	943662
Ion Ratio	Lower	Upper
82 100		
128 45.3	36.1	54.1
54 45.3	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: 49.784 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.26 min

Lab File: BF104619.D

Acq: 19 Apr 2018 9:53

Instrument :

BNA_F

ClientSampleId :

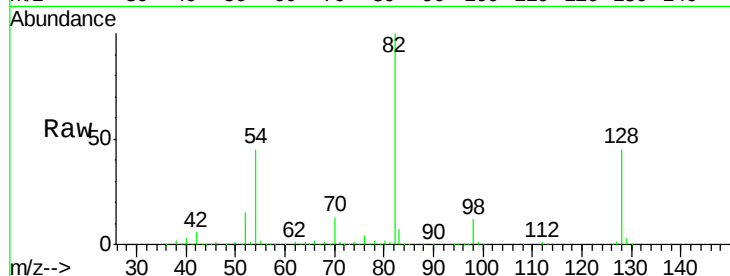
Tot Ion: 82 Resp: 934550

Ion Ratio Lower Upper

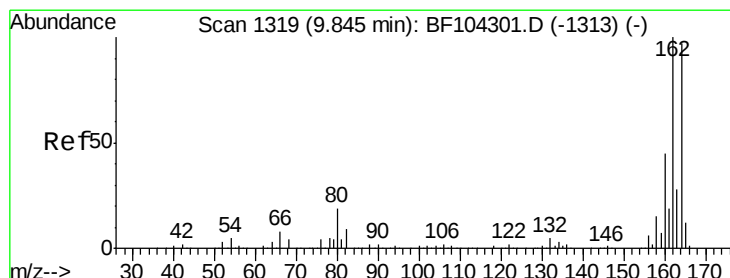
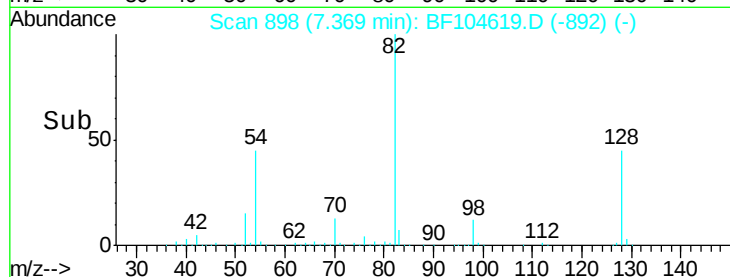
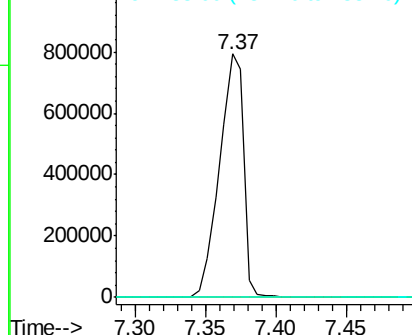
82 100

95 0.1 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: BF104619.D

Acq: 19 Apr 2018 9:53

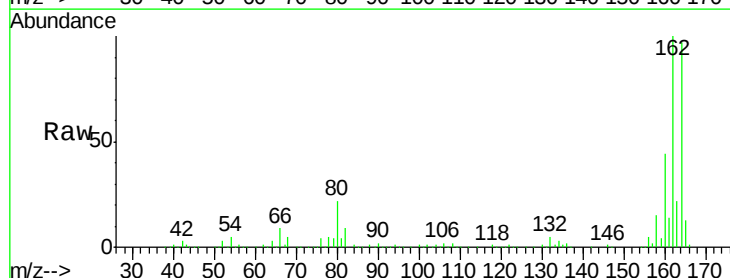
Tgt Ion: 164 Resp: 271460

Ion Ratio Lower Upper

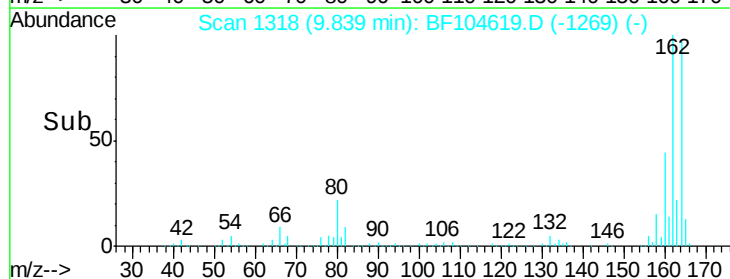
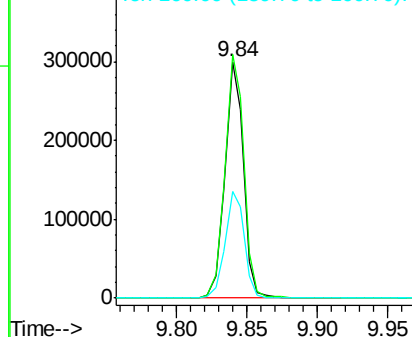
164 100

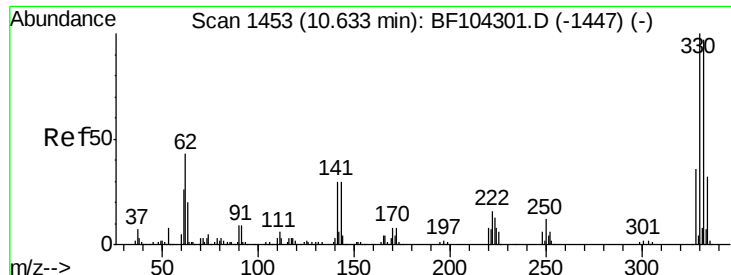
162 103.1 86.1 129.1

160 45.2 38.3 57.5



Abundance Ion 164.00 (163.70 to 164.70): BF1
Ion 162.00 (161.70 to 162.70): BF1
Ion 160.00 (159.70 to 160.70): BF1

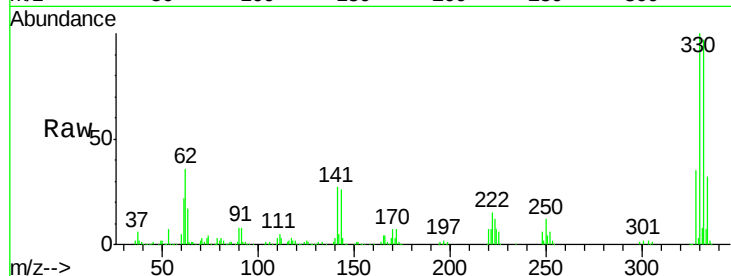




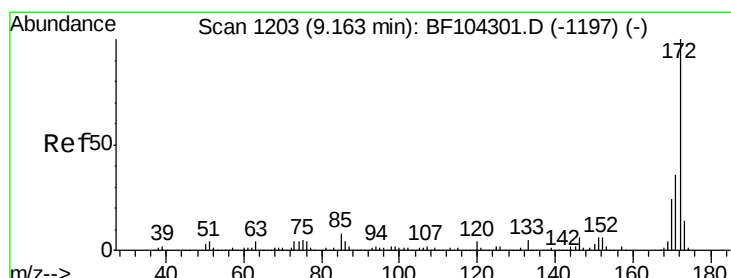
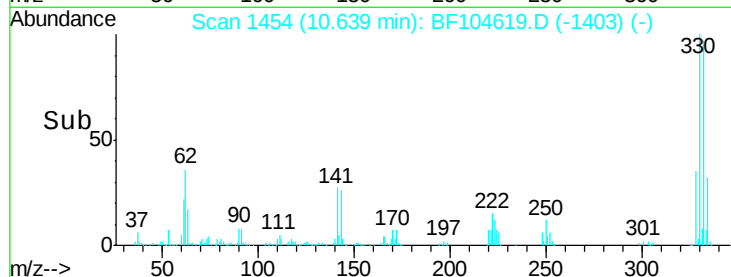
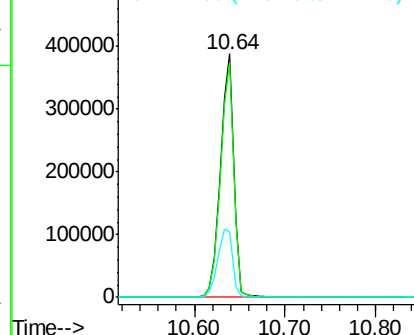
#41
 2,4,6-Tribromophenol
 Concen: 139.453 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.00 min
 Lab File: BF104619.D
 Acq: 19 Apr 2018 9:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.0	115.6
141	31.5	29.9	44.9

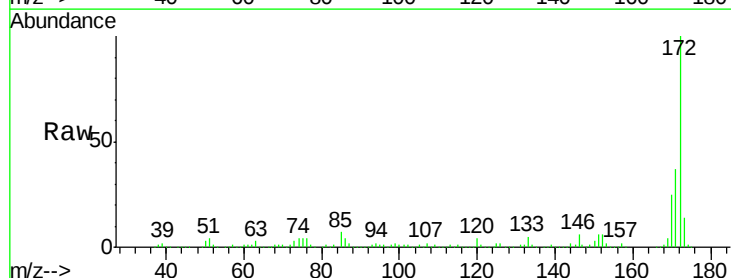


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

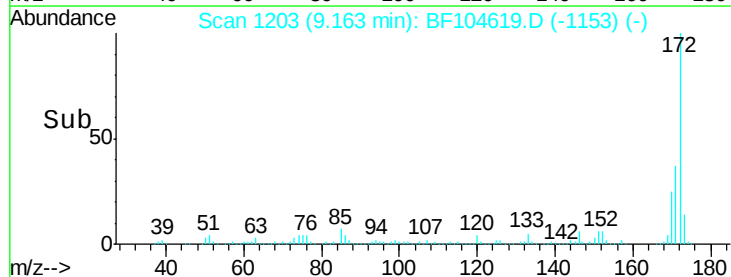
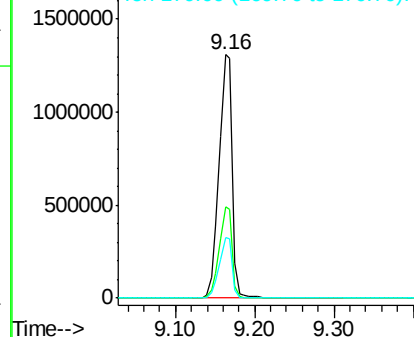


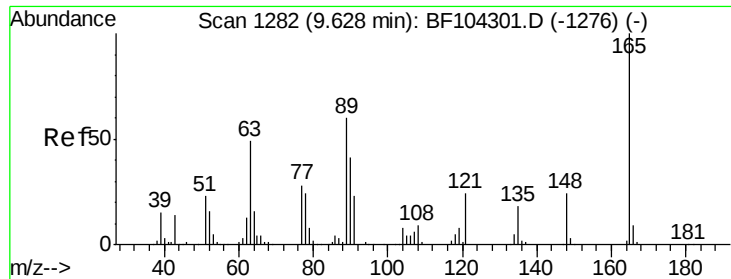
#44
 2-Fluorobiphenyl
 Concen: 87.789 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.01 min
 Lab File: BF104619.D
 Acq: 19 Apr 2018 9:53

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.3	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

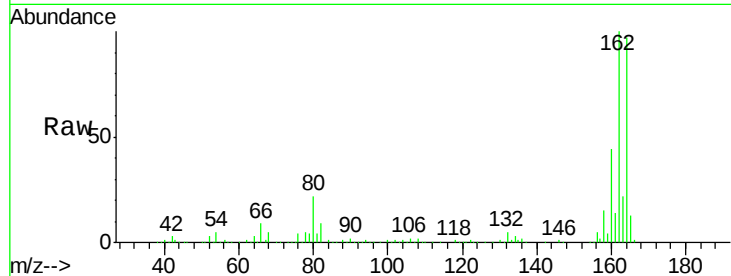




#50
 2,6-Dinitrotoluene
 Concen: 8.700 ng
 RT: 9.84 min Scan# 1318
 Delta R.T. 0.20 min
 Lab File: BF104619.D
 Acq: 19 Apr 2018 9:53

Instrument :
 BNA_F
 ClientSampleId :

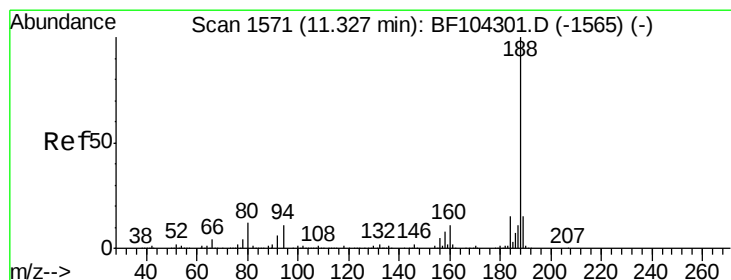
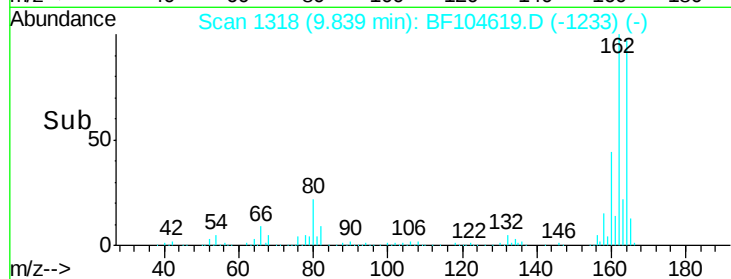
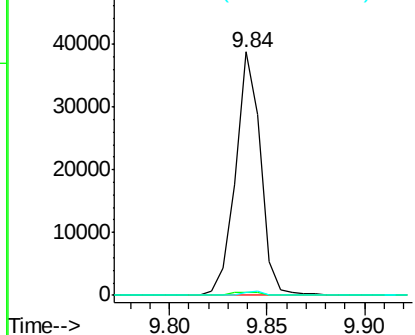
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.5	44.7	67.1#
89	1.4	44.0	66.0#



Abundance Ion 165.00 (164.70 to 165.70): E

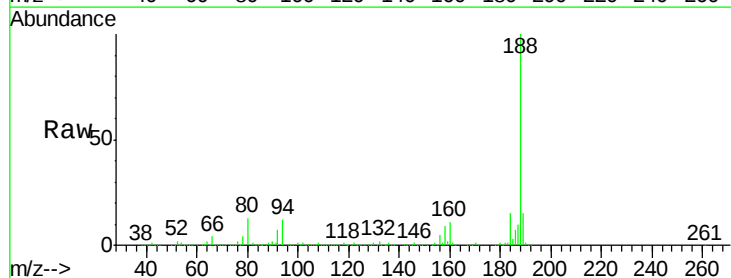
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.01 min
 Lab File: BF104619.D
 Acq: 19 Apr 2018 9:53

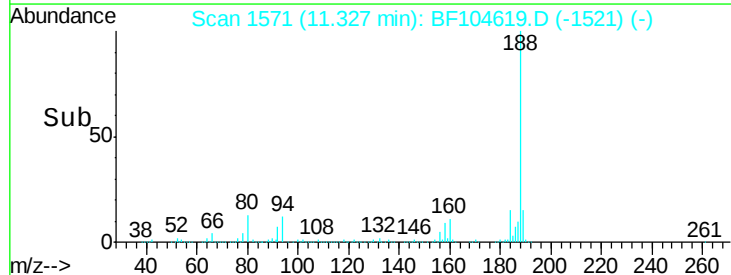
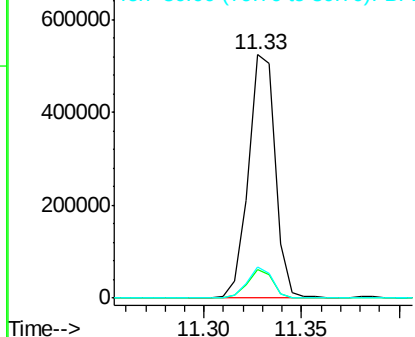
Tgt Ion	Ratio	Lower	Upper
188	100		
94	11.8	8.5	12.7
80	13.0	9.2	13.8

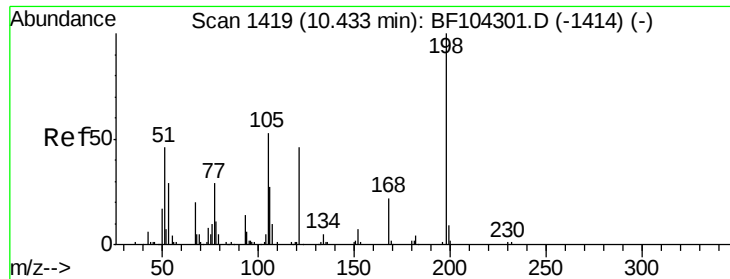


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

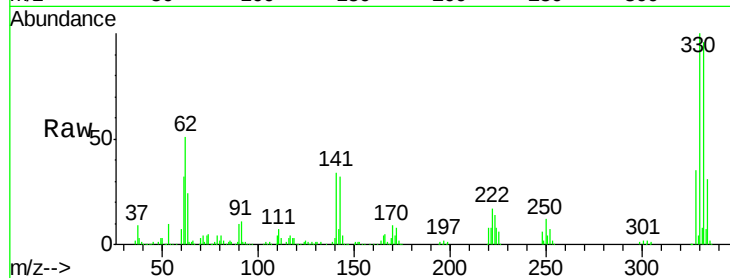




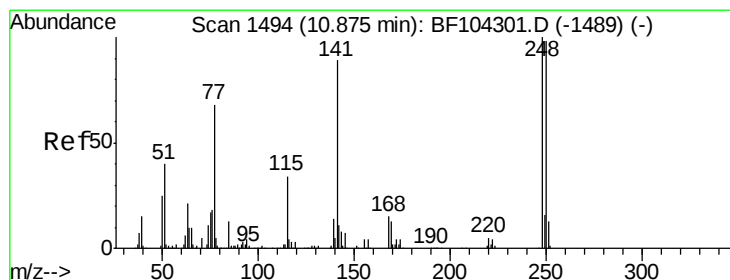
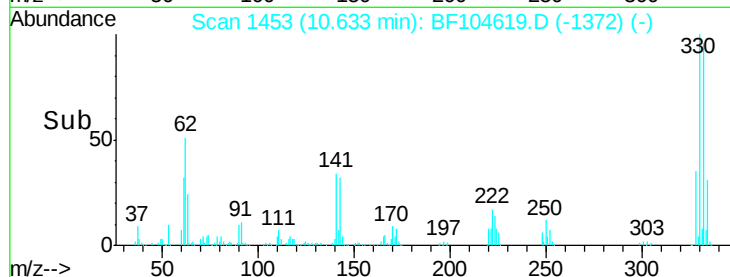
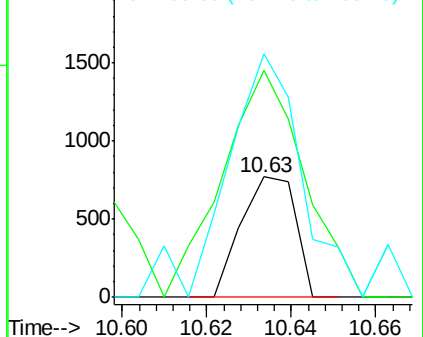
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.586 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.18 min
 Lab File: BF104619.D
 Acq: 19 Apr 2018 9:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
198	100		
51	188.7	37.7	77.7#
105	202.1	36.3	76.3#

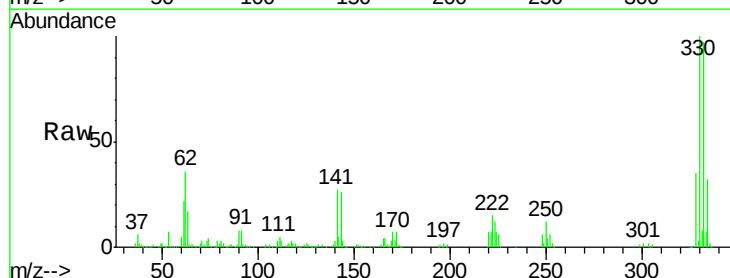


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

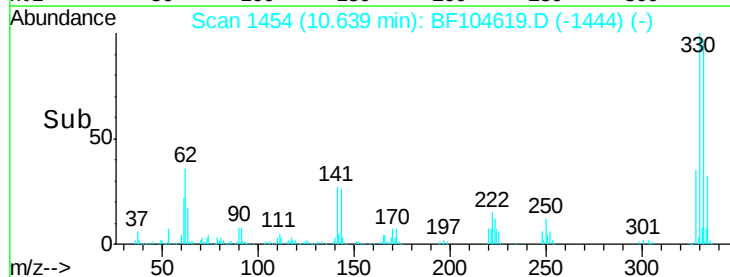
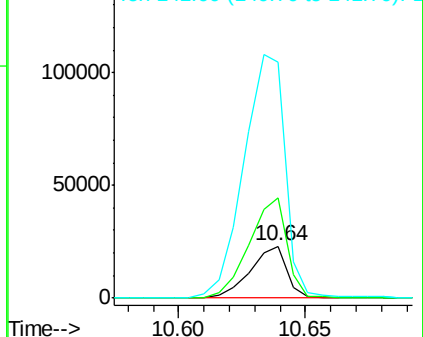


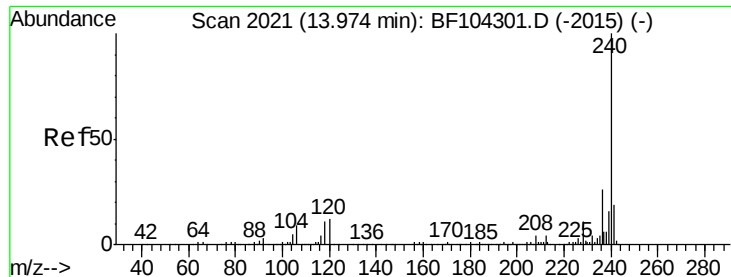
#66
 4-Bromophenyl-phenylether
 Concen: 4.351 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF104619.D
 Acq: 19 Apr 2018 9:53

Tgt Ion	Ratio	Lower	Upper
248	100		
250	194.0	76.9	115.3#
141	455.4	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: BF104619.D

Acq: 19 Apr 2018 9:53

Instrument :

BNA_F

ClientSampleId :

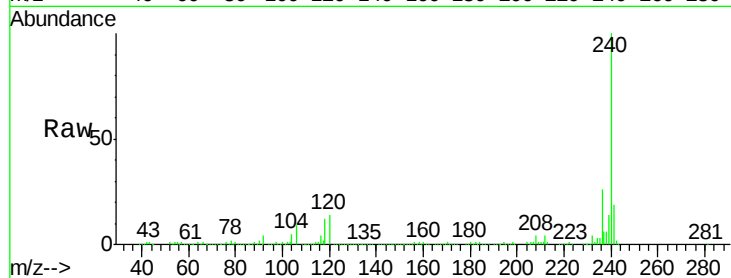
Tot Ion:240 Resp: 430468

Ion Ratio Lower Upper

240 100

120 14.0 9.5 14.3

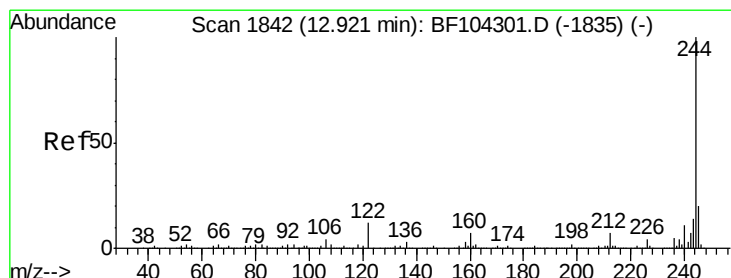
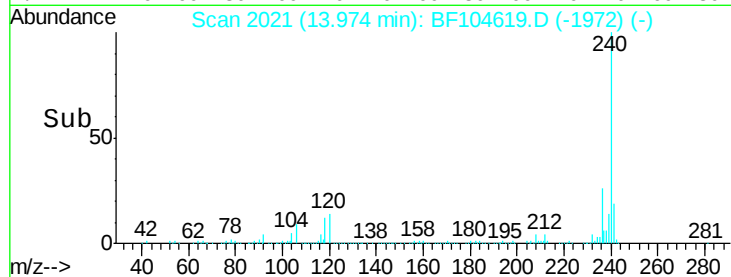
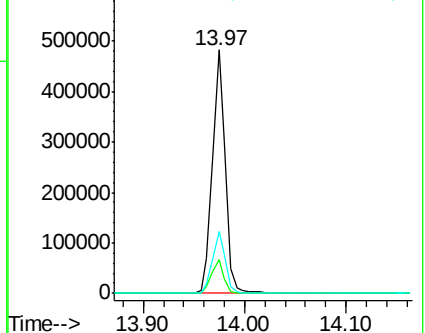
236 25.6 20.7 31.1



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: 86.572 ng

RT: 12.93 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BF104619.D

Acq: 19 Apr 2018 9:53

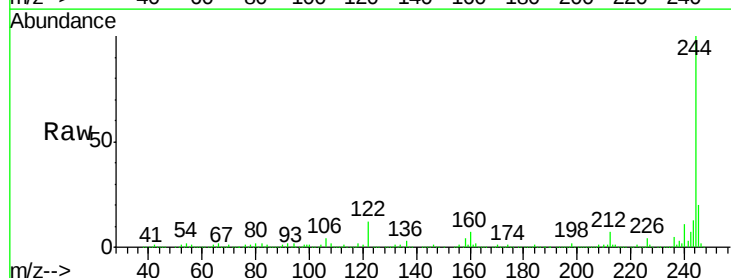
Tgt Ion:244 Resp: 1634613

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

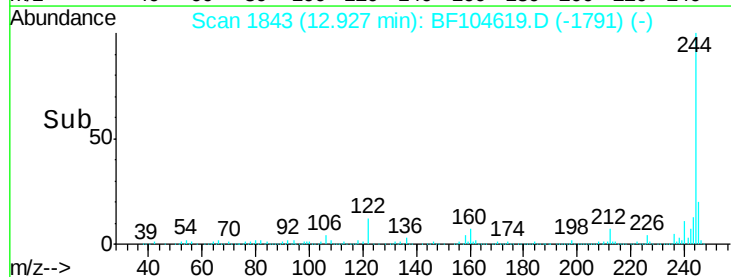
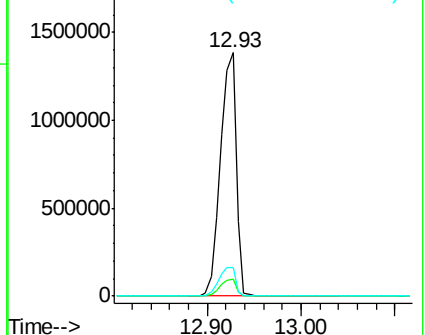
122 11.7 11.0 16.4

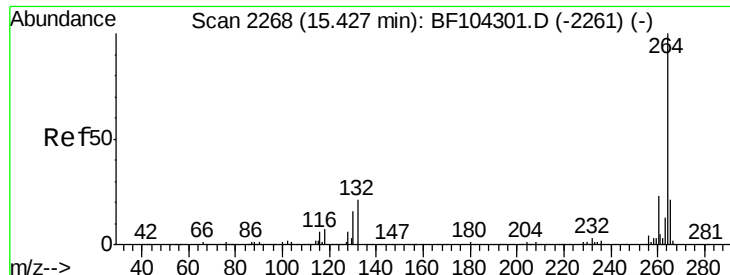


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

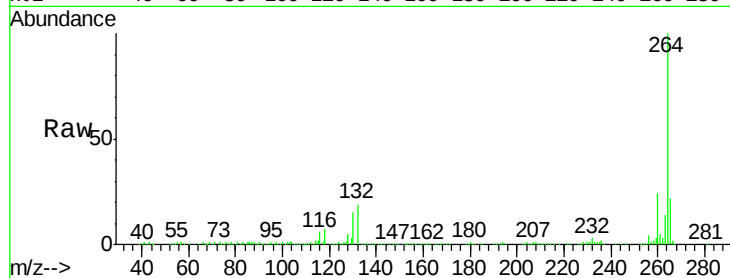




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.44 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: BF104619.D
 Acq: 19 Apr 2018 9:53

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.0	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

