

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031519\
 Data File : BF113069.D
 Acq On : 15 Mar 2019 16:49
 Operator : JU/SJ
 Sample : K1911-04 10X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR200051

Quant Time: Mar 15 22:54:41 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 13 03:42:55 2019
 Response via : Initial Calibration

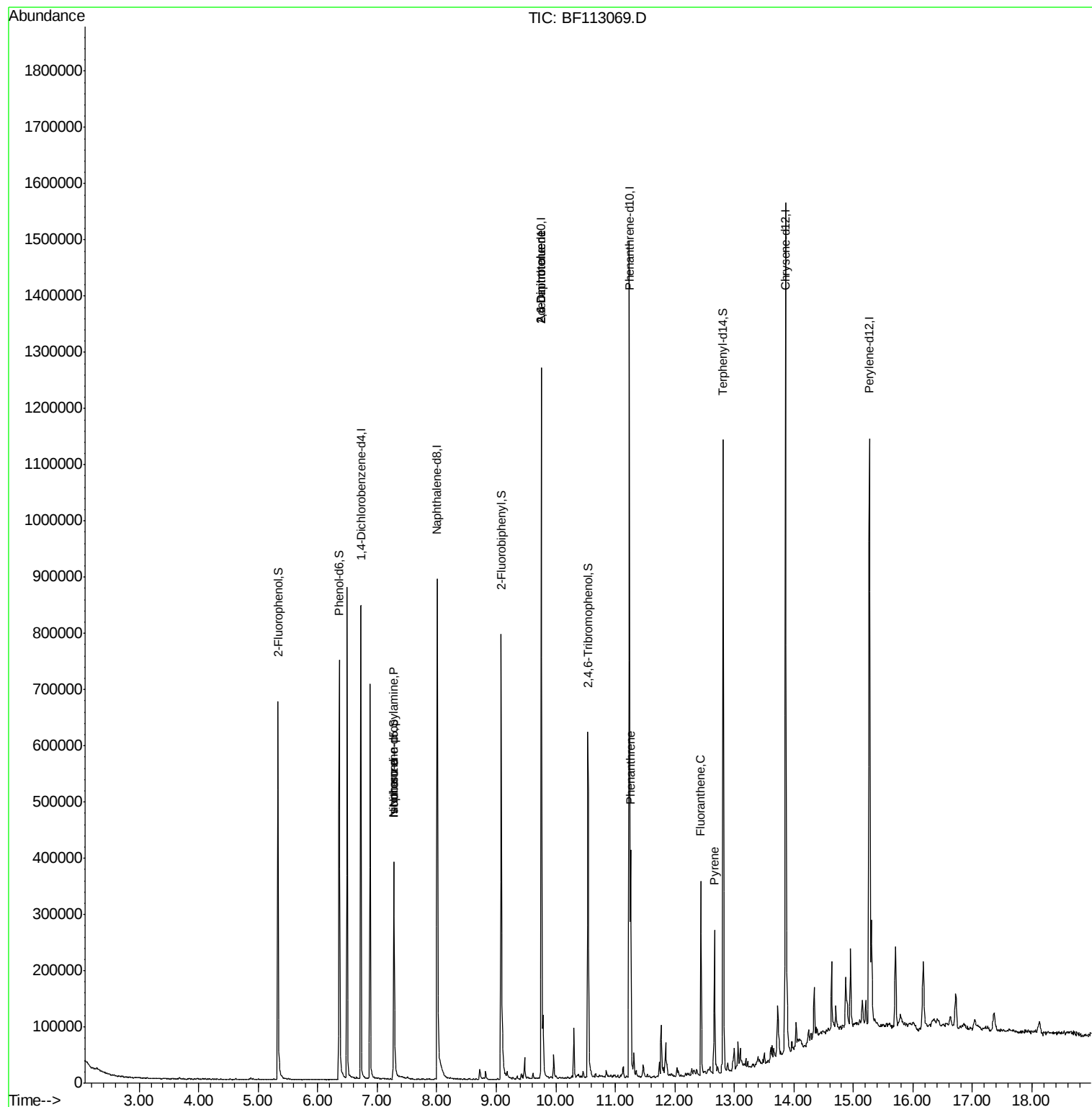
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	140545	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	549495	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	279784	20.00	ng	-0.01
64) Phenanthrene-d10	11.23	188	615059	20.00	ng	-0.01
76) Chrysene-d12	13.86	240	570725	20.00	ng	0.00
87) Perylene-d12	15.27	264	532611	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	205704	22.77	ng	-0.01
7) Phenol-d6	6.36	99	271418	23.91	ng	-0.01
23) Nitrobenzene-d5	7.28	82	147219	16.03	ng	-0.02
42) 2,4,6-Tribromophenol	10.54	330	95971	32.31	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	329716	14.98	ng	-0.01
79) Terphenyl-d14	12.81	244	424154	14.41	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.28	70	18849	2.622	ng	# 75
25) Isophorone	7.28	82	147217	7.441	ng	# 66
51) 2,6-Dinitrotoluene	9.76	165	35384	8.237	ng	# 18
57) 2,4-Dinitrotoluene	9.76	165	35385	6.626	ng	# 18
71) Phenanthrene	11.26	178	139908	4.572	ng	98
75) Fluoranthene	12.44	202	143473	4.376	ng	97
78) Pyrene	12.67	202	119069	2.475	ng	96

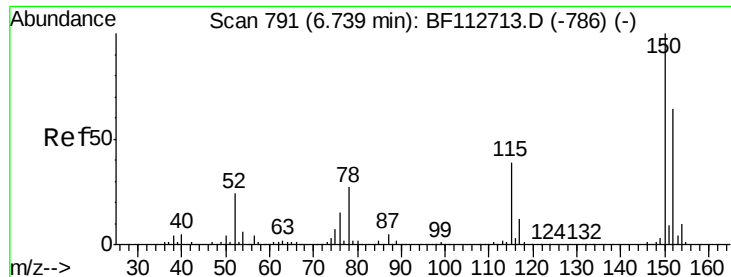
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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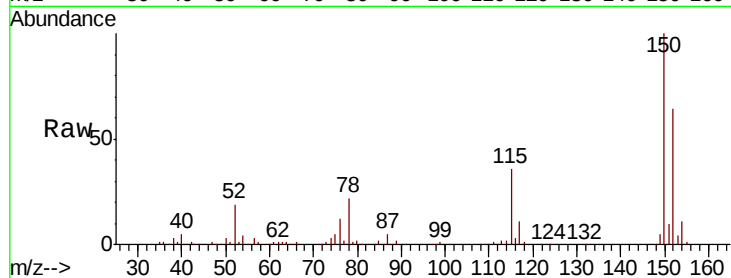


#1

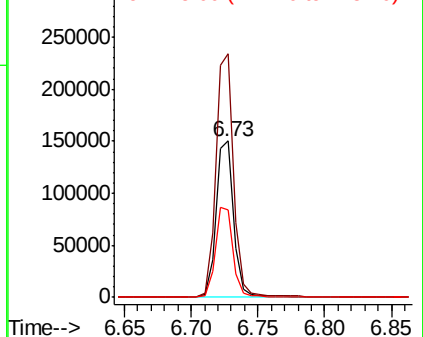
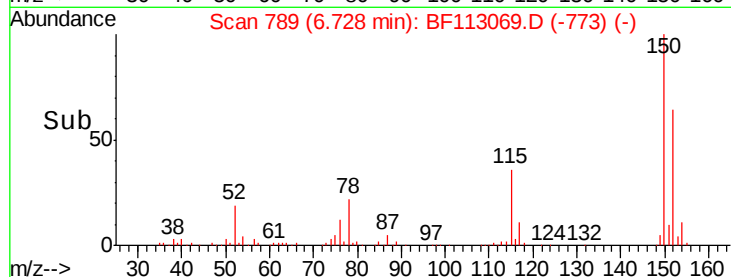
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: BF113069.D
 Acq: 15 Mar 2019 16:49

Instrument :
 BNA_F
 ClientSampleId :
 RBR200051

Tgt Ion:152 Resp: 140545
 Ion Ratio Lower Upper
 152 100
 150 155.7 124.2 186.2
 115 56.3 48.2 72.4



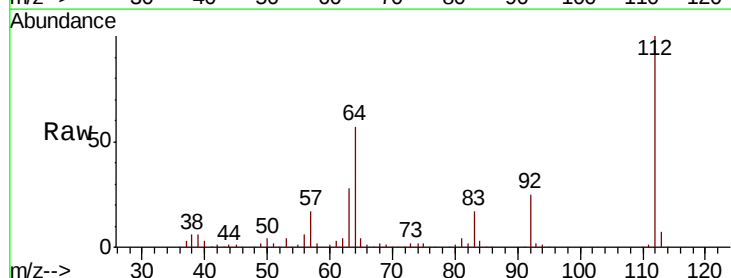
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



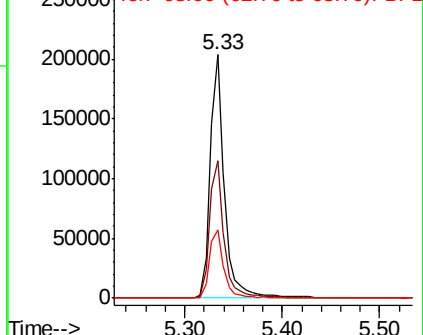
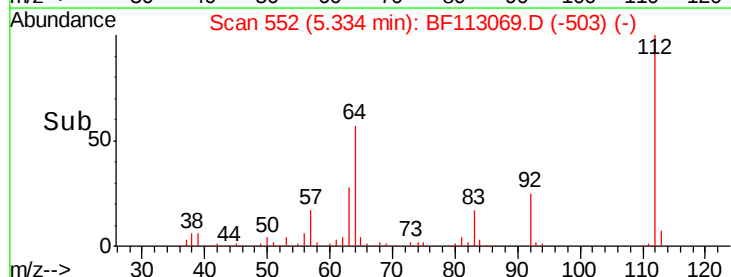
#5

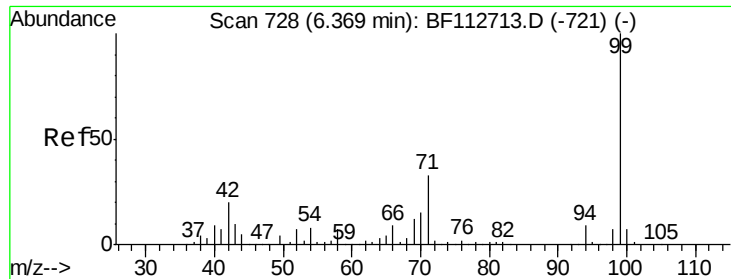
2-Fluorophenol
 Concen: 22.767 ng
 RT: 5.33 min Scan# 552
 Delta R.T. -0.01 min
 Lab File: BF113069.D
 Acq: 15 Mar 2019 16:49

Tgt Ion:112 Resp: 205704
 Ion Ratio Lower Upper
 112 100
 64 56.5 47.6 71.4
 63 28.1 24.4 36.6



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: 23.914 ng

RT: 6.36 min Scan# 727

Delta R.T. -0.01 min

Lab File: BF113069.D

Acq: 15 Mar 2019 16:49

Instrument :

BNA_F

ClientSampleId :

RBR200051

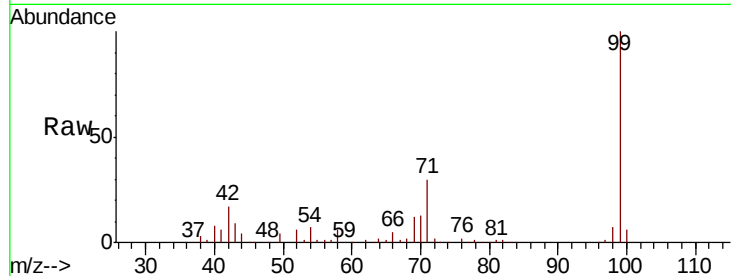
Tgt Ion: 99 Resp: 271418

Ion Ratio Lower Upper

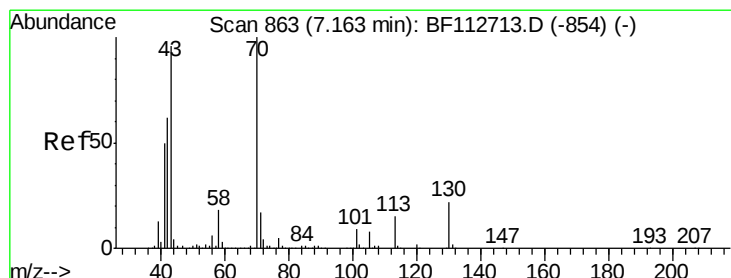
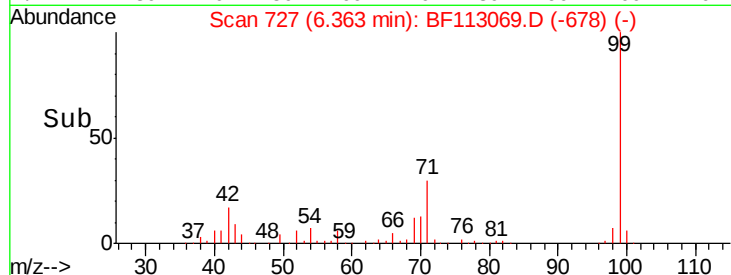
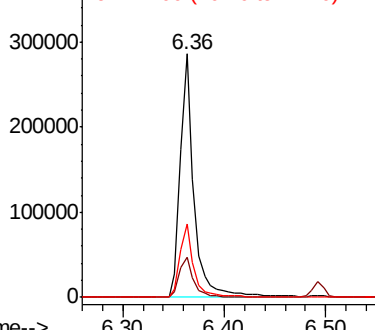
99 100

42 16.7 16.3 24.5

71 29.9 26.2 39.4



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: 2.622 ng

RT: 7.28 min Scan# 883

Delta R.T. 0.12 min

Lab File: BF113069.D

Acq: 15 Mar 2019 16:49

Tgt Ion: 70 Resp: 18849

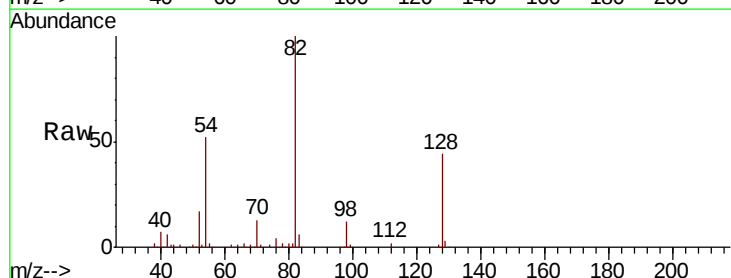
Ion Ratio Lower Upper

70 100

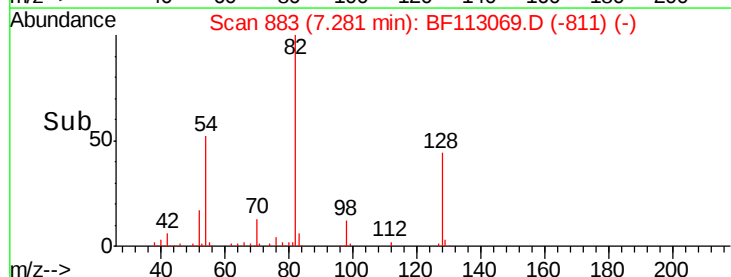
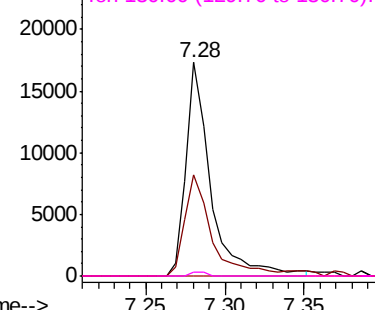
42 47.6 49.9 74.9#

101 0.0 7.4 11.2#

130 1.9 17.4 26.2#



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

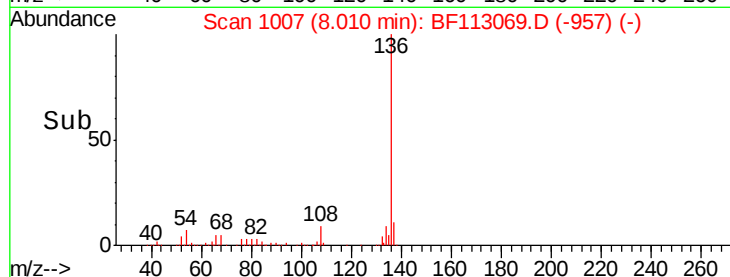
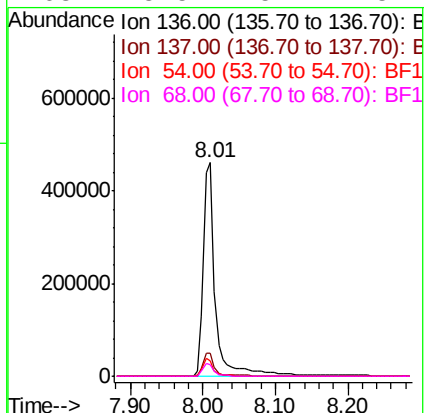
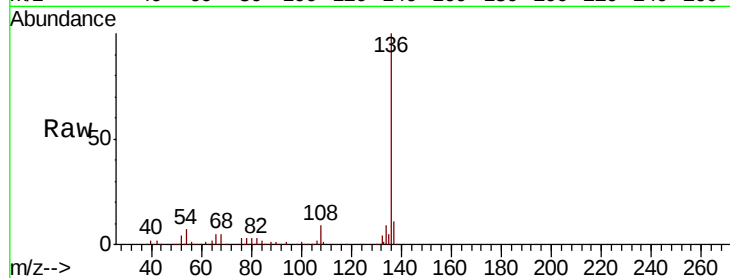




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF113069.D
Acq: 15 Mar 2019 16:49

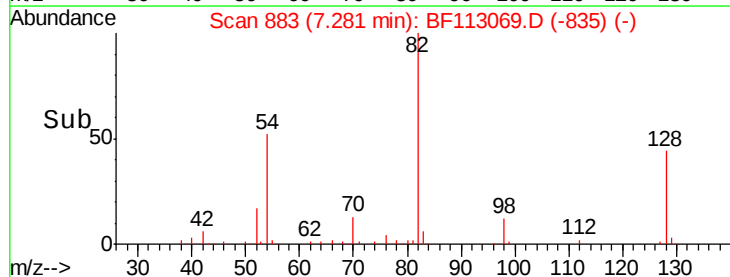
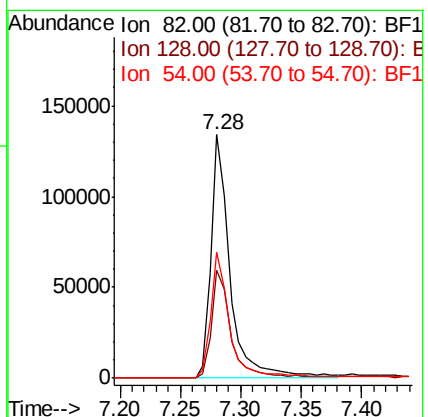
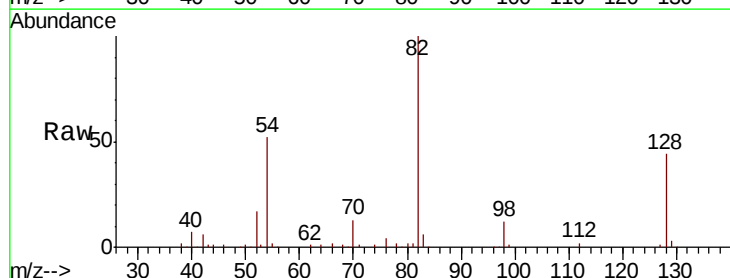
Instrument :
BNA_F
ClientSampleId :
RBR200051

Tgt Ion:	136	Resp:	549495
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	7.5	7.3	10.9
68	5.5	5.4	8.2



#23
Nitrobenzene-d5
Concen: 16.032 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.02 min
Lab File: BF113069.D
Acq: 15 Mar 2019 16:49

Tgt Ion:	82	Resp:	147219
Ion	Ratio	Lower	Upper
82	100		
128	44.4	36.3	54.5
54	51.7	43.7	65.5

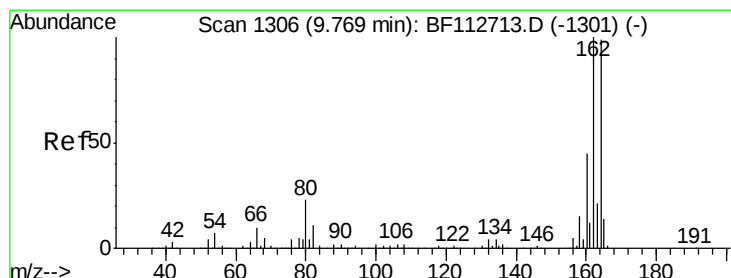
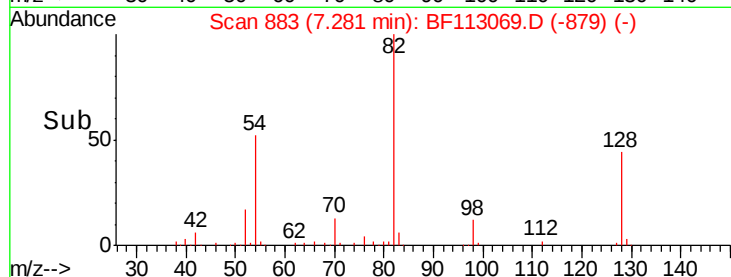
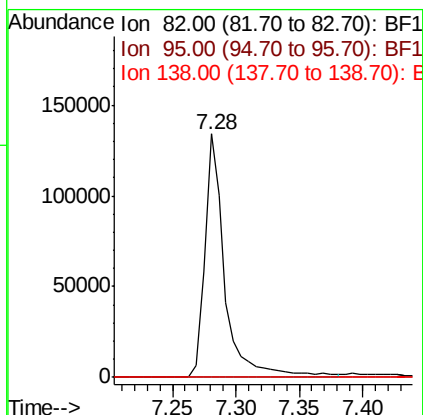
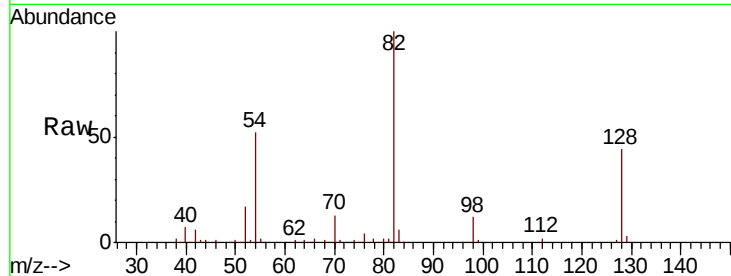




#25
Isophorone
Concen: 7.441 ng
RT: 7.28 min Scan# 883
Delta R.T. -0.28 min
Lab File: BF113069.D
Acq: 15 Mar 2019 16:49

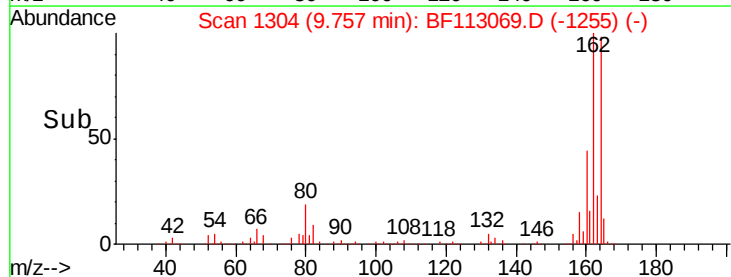
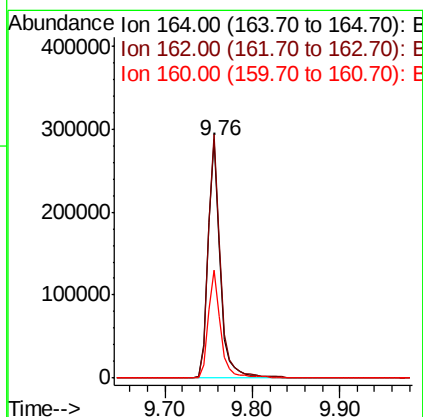
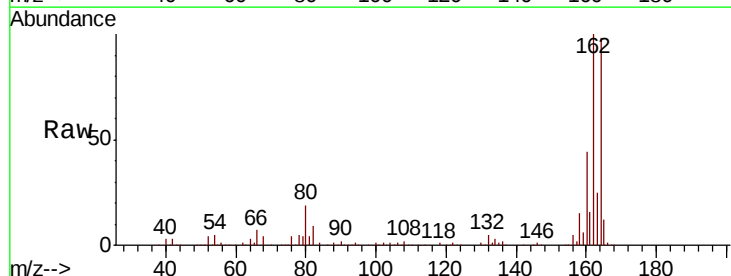
Instrument :
BNA_F
ClientSampleId :
RBR200051

Tgt Ion: 82 Resp: 147217
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 13.8 20.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.01 min
Lab File: BF113069.D
Acq: 15 Mar 2019 16:49

Tgt Ion: 164 Resp: 279784
Ion Ratio Lower Upper
164 100
162 102.1 80.6 120.8
160 45.4 36.0 54.0

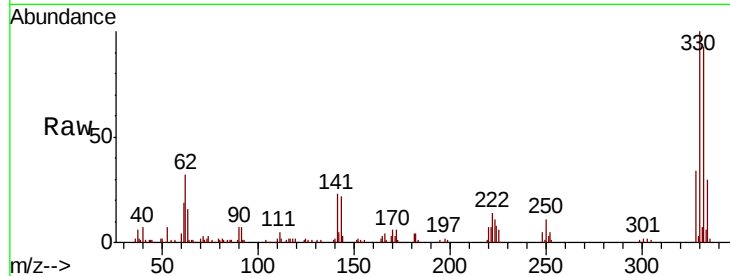




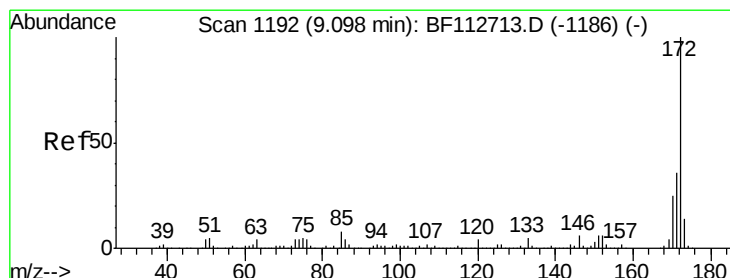
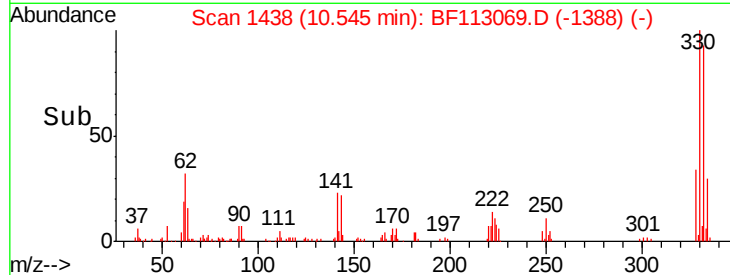
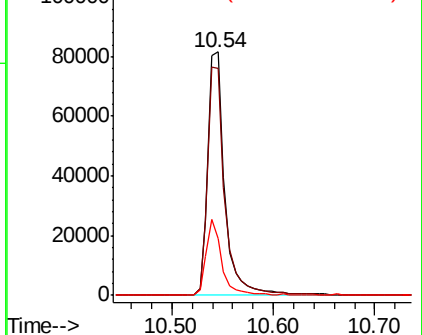
#42
 2,4,6-Tribromophenol
 Concen: 32.311 ng
 RT: 10.54 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF113069.D
 Acq: 15 Mar 2019 16:49

Instrument :
 BNA_F
 ClientSampled :
 RBR200051

Tgt Ion:330 Resp: 95971
 Ion Ratio Lower Upper
 330 100
 332 95.1 76.2 114.4
 141 28.3 27.0 40.6

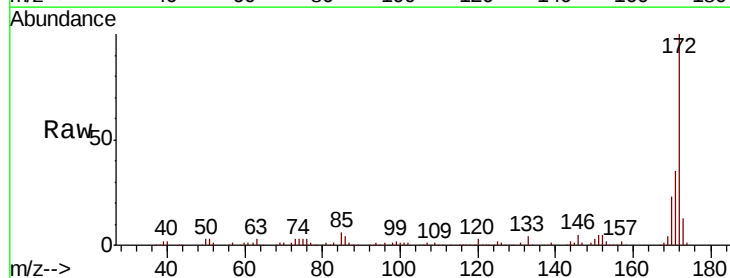


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

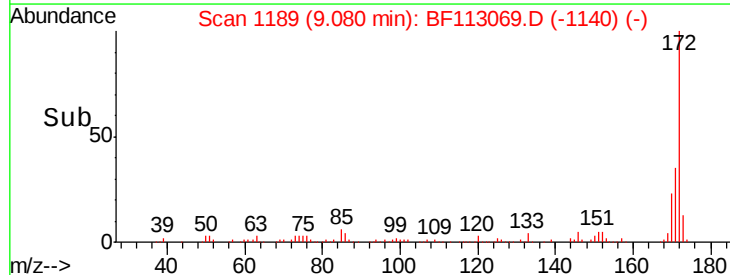
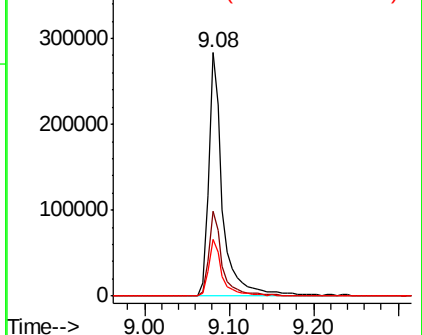


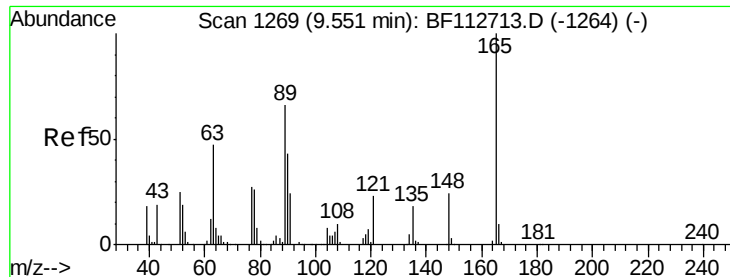
#45
 2-Fluorobiphenyl
 Concen: 14.982 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF113069.D
 Acq: 15 Mar 2019 16:49

Tgt Ion:172 Resp: 329716
 Ion Ratio Lower Upper
 172 100
 171 35.0 29.0 43.4
 170 23.4 20.0 30.0



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

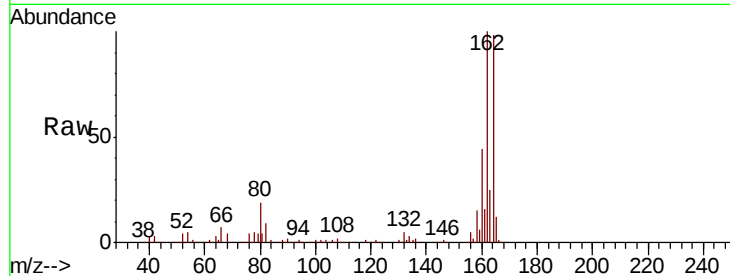




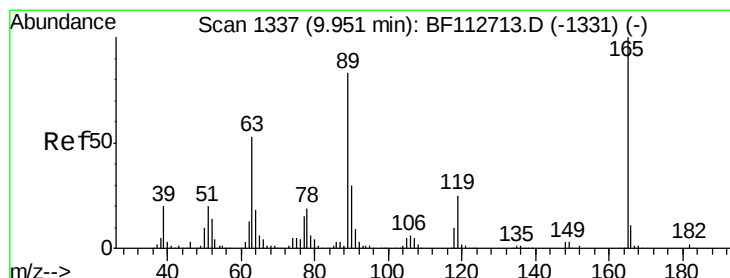
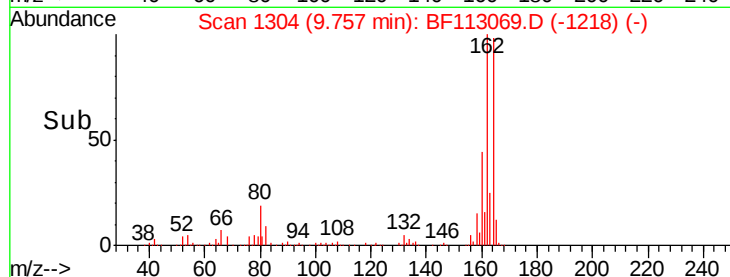
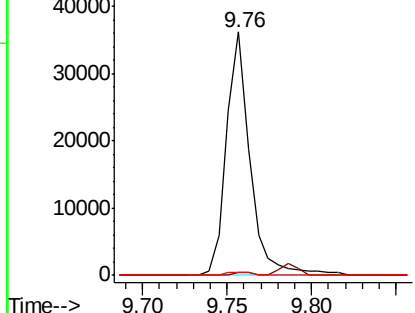
#51
 2,6-Dinitrotoluene
 Concen: 8.237 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. 0.21 min
 Lab File: BF113069.D
 Acq: 15 Mar 2019 16:49

Instrument :
 BNA_F
 ClientSampleId :
 RBR200051

Tgt Ion:165 Resp: 35384
 Ion Ratio Lower Upper
 165 100
 63 1.3 54.1 81.1#
 89 1.4 52.8 79.2#

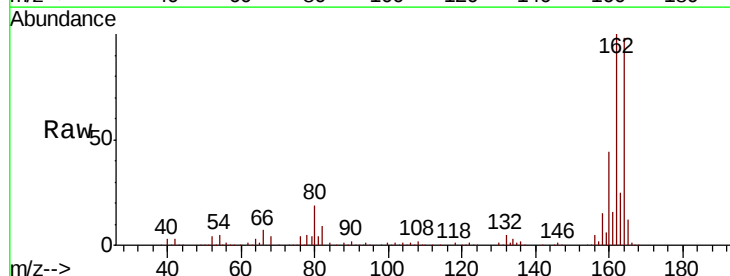


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

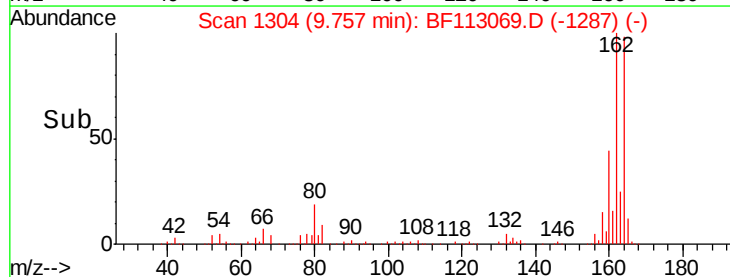
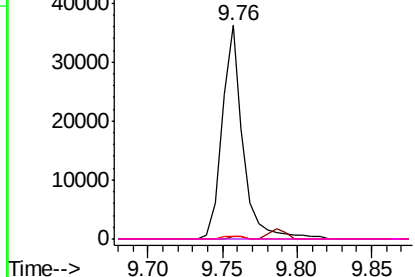


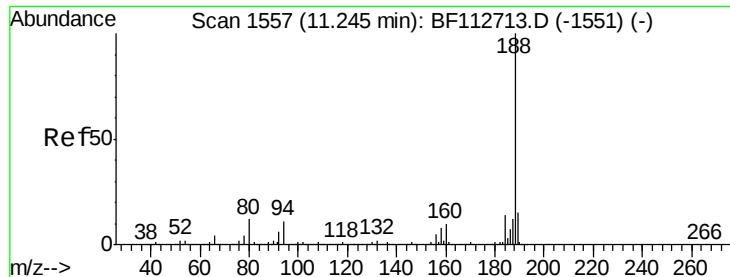
#57
 2,4-Dinitrotoluene
 Concen: 6.626 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.20 min
 Lab File: BF113069.D
 Acq: 15 Mar 2019 16:49

Tgt Ion:165 Resp: 35385
 Ion Ratio Lower Upper
 165 100
 63 1.3 42.2 63.2#
 89 1.4 66.2 99.4#
 182 0.0 1.8 2.6#



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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.23 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BF113069.D

Acq: 15 Mar 2019 16:49

Instrument :

BNA_F

ClientSampleId :

RBR200051

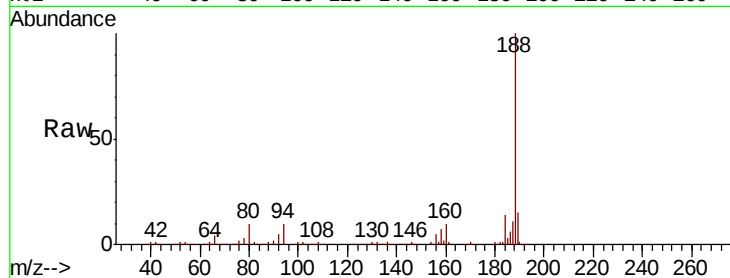
Tgt Ion:188 Resp: 615059

Ion Ratio Lower Upper

188 100

94 9.7 9.0 13.4

80 10.0 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

11.23

800000

600000

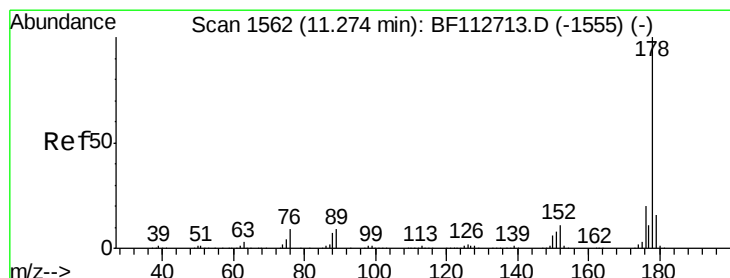
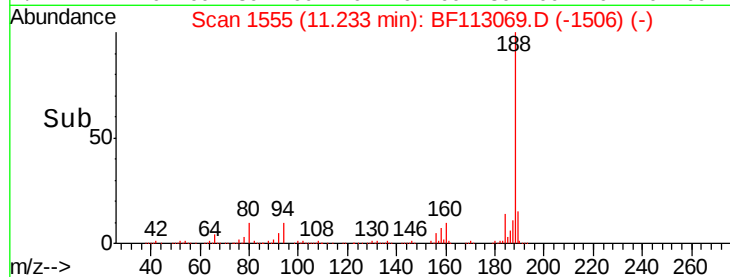
400000

200000

0

11.20 11.30 11.40

Time-->



#71

Phenanthrene

Concen: 4.572 ng

RT: 11.26 min Scan# 1559

Delta R.T. -0.01 min

Lab File: BF113069.D

Acq: 15 Mar 2019 16:49

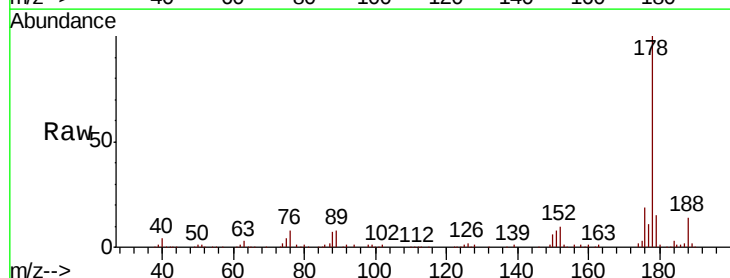
Tgt Ion:178 Resp: 139908

Ion Ratio Lower Upper

178 100

176 19.0 16.3 24.5

179 15.4 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

11.26

200000

150000

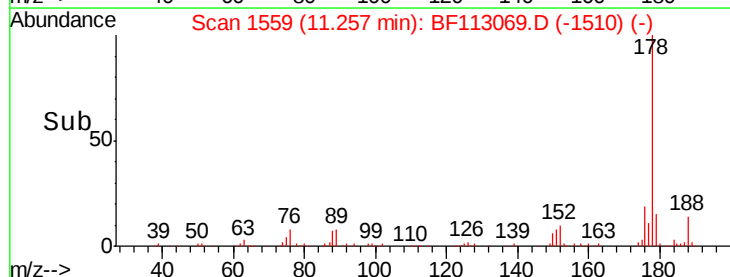
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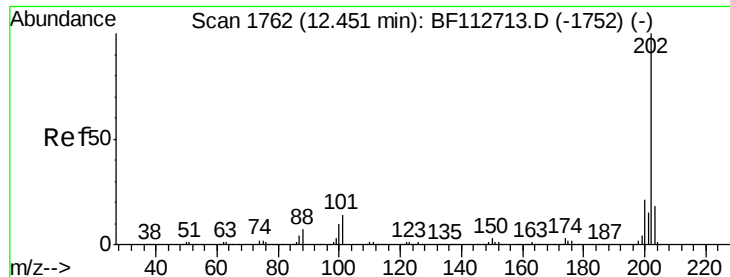
50000

0

11.20 11.25 11.30

Time-->





#75

Fluoranthene

Concen: 4.376 ng

RT: 12.44 min Scan# 1760

Delta R.T. -0.01 min

Lab File: BF113069.D

Acq: 15 Mar 2019 16:49

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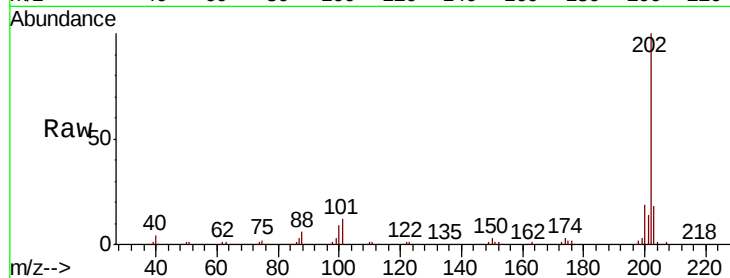
Tgt Ion: 202 Resp: 143473

Ion Ratio Lower Upper

202 100

101 11.5 0.0 33.8

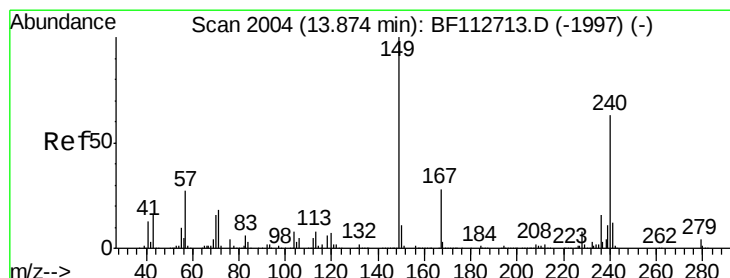
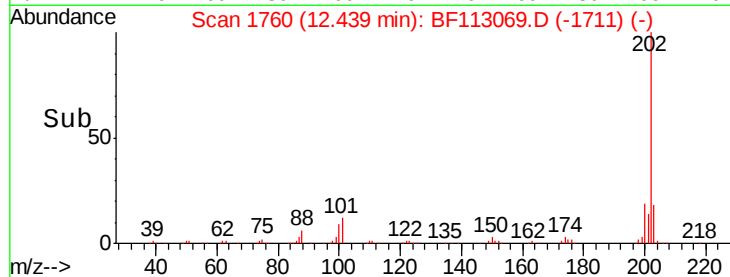
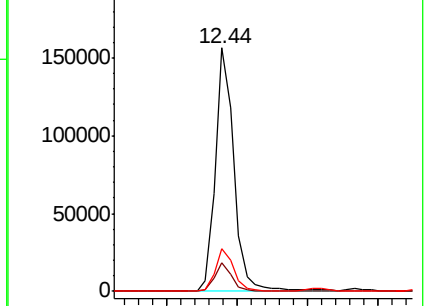
203 17.7 0.0 38.4



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.86 min Scan# 2002

Delta R.T. -0.01 min

Lab File: BF113069.D

Acq: 15 Mar 2019 16:49

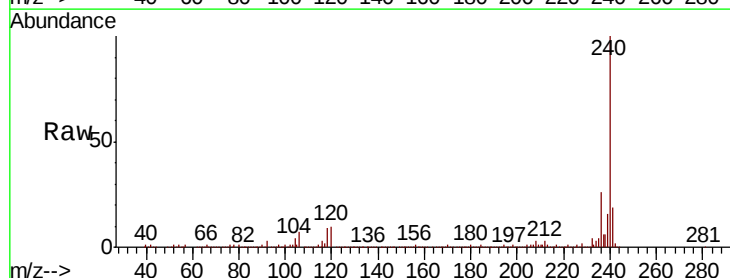
Tgt Ion: 240 Resp: 570725

Ion Ratio Lower Upper

240 100

120 10.4 8.9 13.3

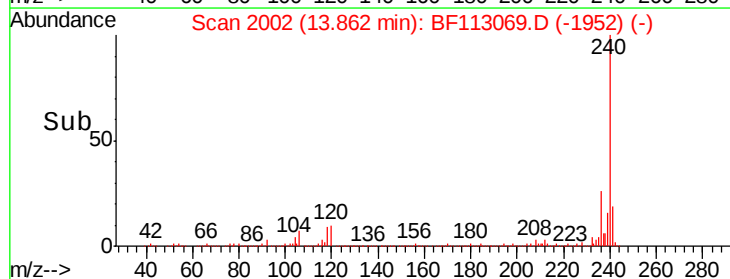
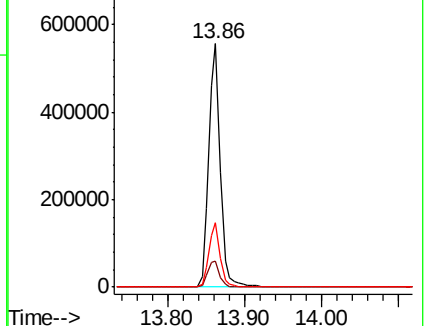
236 26.3 20.7 31.1

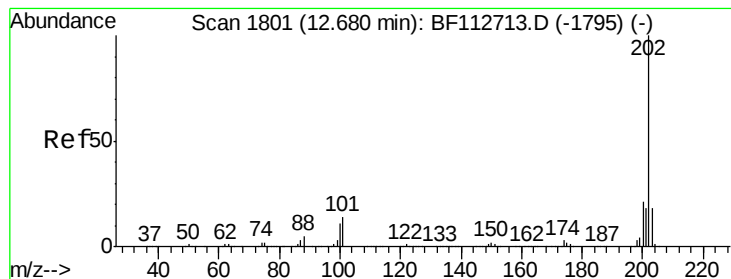


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 2.475 ng

RT: 12.67 min Scan# 1799

Delta R.T. -0.01 min

Lab File: BF113069.D

Acq: 15 Mar 2019 16:49

Instrument :

BNA_F

ClientSampleId :

RBR200051

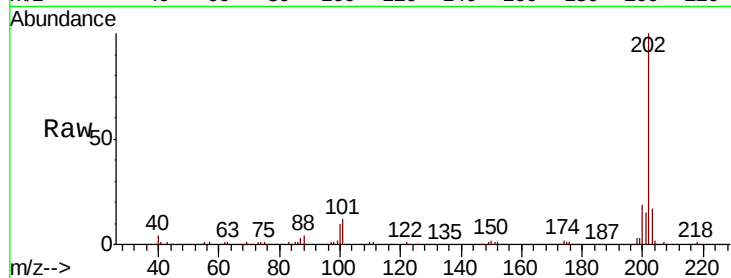
Tgt Ion:202 Resp: 119069

Ion Ratio Lower Upper

202 100

200 18.6 17.0 25.4

203 17.4 14.4 21.6

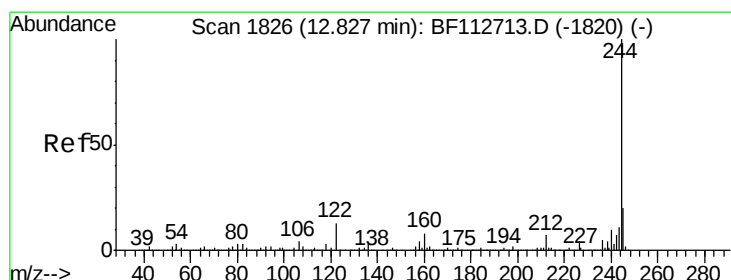
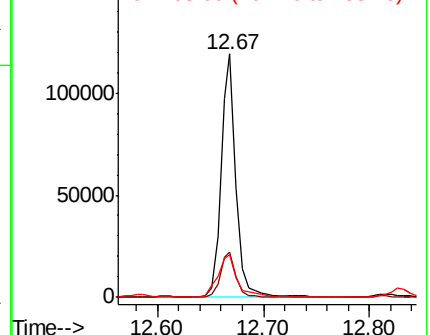
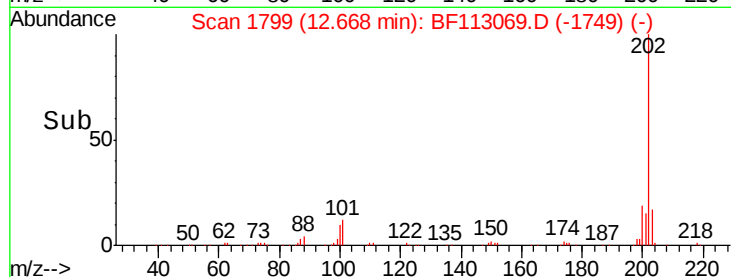


Abundance

Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 14.407 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF113069.D

Acq: 15 Mar 2019 16:49

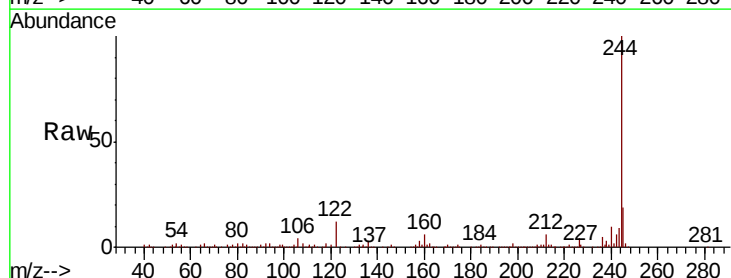
Tgt Ion:244 Resp: 424154

Ion Ratio Lower Upper

244 100

212 6.3 5.6 8.4

122 11.6 10.5 15.7

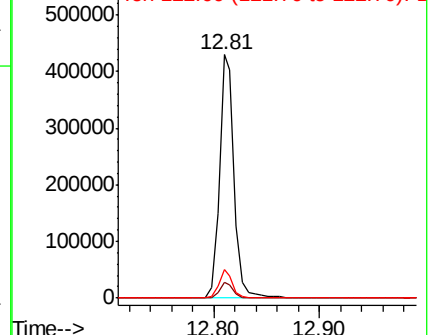
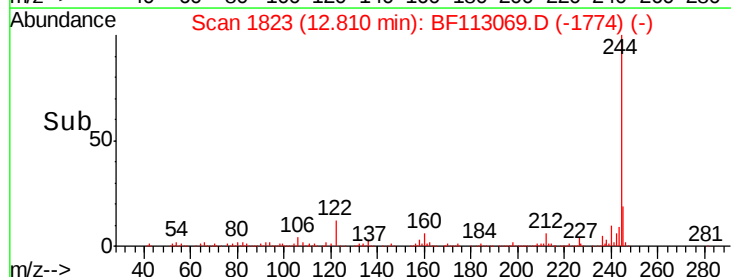


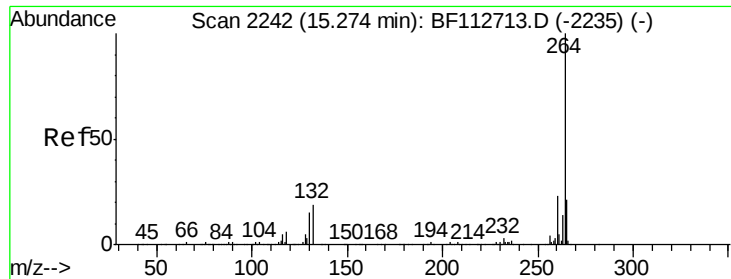
Abundance

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





#87
Perylene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. -0.01 min
Lab File: BF113069.D
Acq: 15 Mar 2019 16:49

Instrument :
BNA_F
ClientSampleId :
RBR200051

Tgt Ion: 264 Resp: 532611
Ion Ratio Lower Upper
264 100
260 23.7 18.7 28.1
265 21.7 17.2 25.8

