

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF031819\
 Data File : BF113101.D
 Acq On : 18 Mar 2019 20:11
 Operator : JU/SJ
 Sample : K1691-09 5X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-031519-A

Quant Time: Mar 19 04:51:40 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

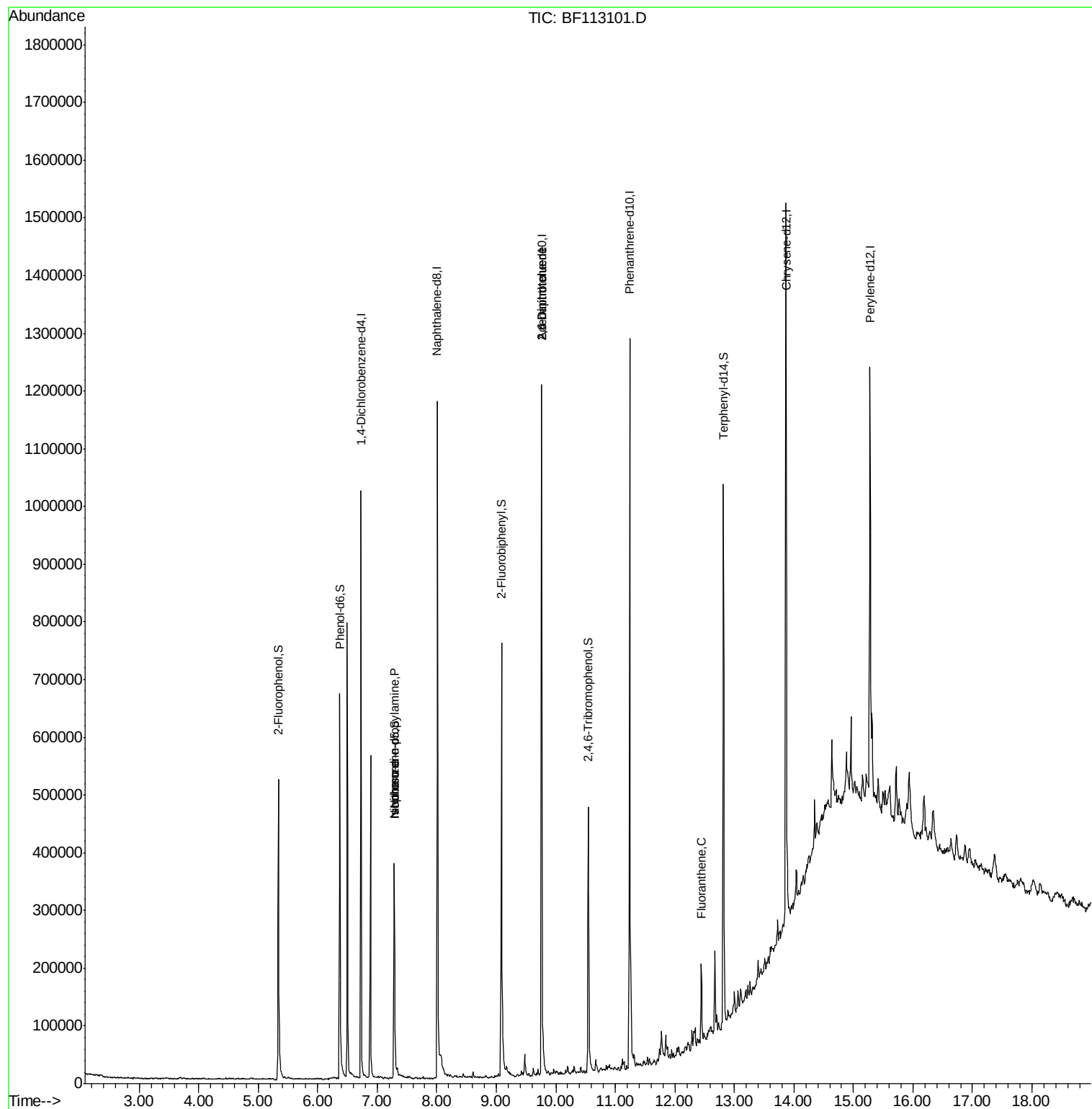
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	147097	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	609787	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	295552	20.00	ng	-0.01
64) Phenanthrene-d10	11.24	188	541814	20.00	ng	0.00
76) Chrysene-d12	13.87	240	495718	20.00	ng	0.00
87) Perylene-d12	15.28	264	377915	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	171730	18.16	ng	0.00
7) Phenol-d6	6.37	99	252315	21.24	ng	0.00
23) Nitrobenzene-d5	7.29	82	142021	13.94	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	72516	23.11	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	338783	14.51	ng	0.00
79) Terphenyl-d14	12.82	244	333810	13.05	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.29	70	19099	2.539	ng	# 78
25) Isophorone	7.29	82	142020	6.469	ng	# 66
51) 2,6-Dinitrotoluene	9.76	165	36857	8.122	ng	# 18
57) 2,4-Dinitrotoluene	9.76	165	37358	6.623	ng	# 18
75) Fluoranthene	12.45	202	60972	2.111	ng	98

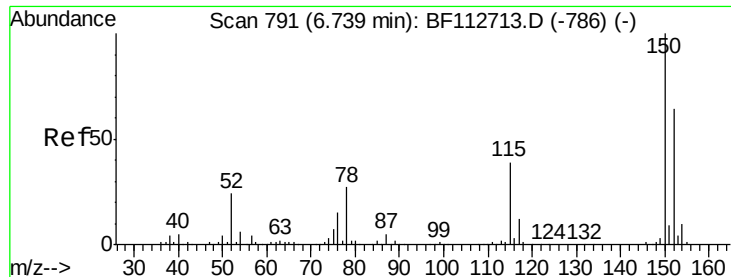
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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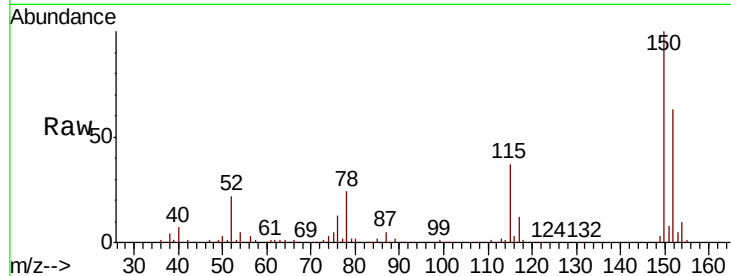


#1

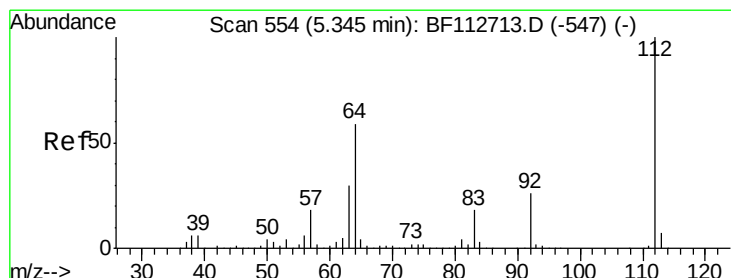
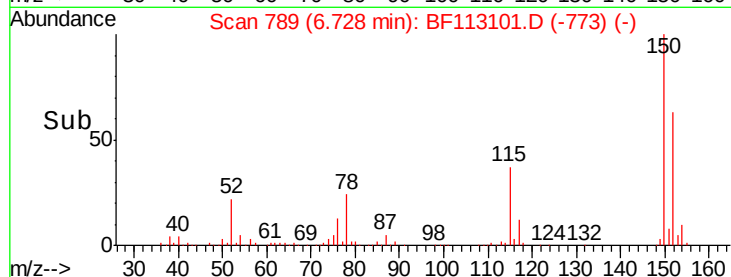
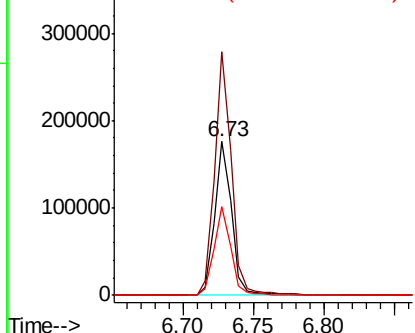
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF113101.D
Acq: 18 Mar 2019 20:11

Instrument :
BNA_F
ClientSampleId :
CL-01-031519-A

Tgt Ion:152 Resp: 147097
Ion Ratio Lower Upper
152 100
150 158.6 124.2 186.2
115 58.1 48.2 72.4



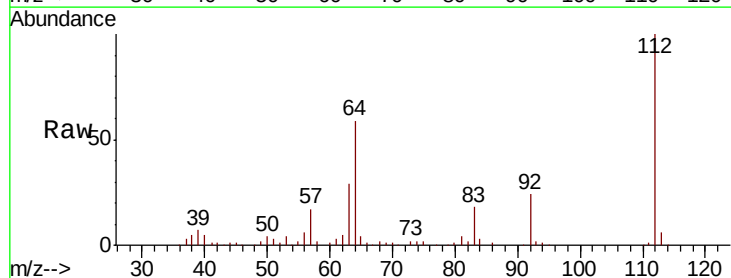
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



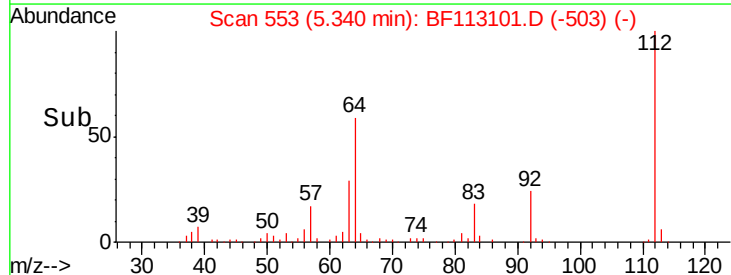
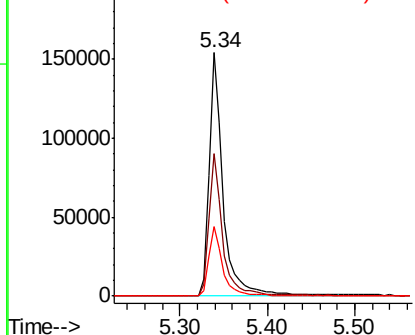
#5

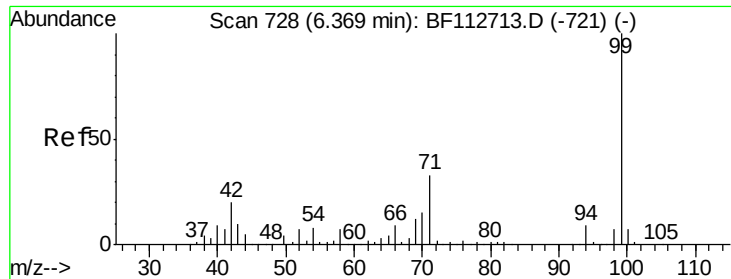
2-Fluorophenol
Concen: 18.160 ng
RT: 5.34 min Scan# 553
Delta R.T. -0.01 min
Lab File: BF113101.D
Acq: 18 Mar 2019 20:11

Tgt Ion:112 Resp: 171730
Ion Ratio Lower Upper
112 100
64 58.7 47.6 71.4
63 28.7 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: 21.241 ng

RT: 6.37 min Scan# 728

Delta R.T. -0.01 min

Lab File: BF113101.D

Acq: 18 Mar 2019 20:11

Instrument :

BNA_F

ClientSampleId :

CL-01-031519-A

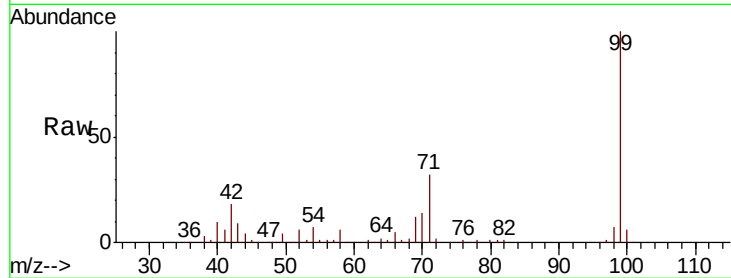
Tgt Ion: 99 Resp: 252315

Ion Ratio Lower Upper

99 100

42 18.5 16.3 24.5

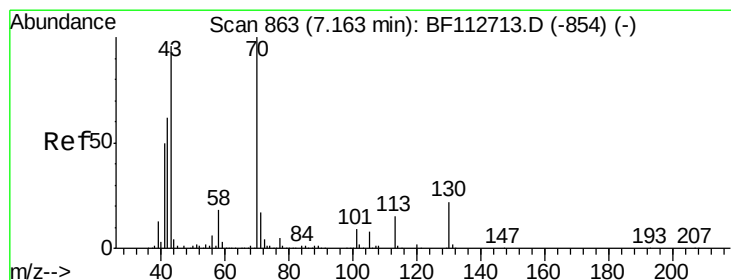
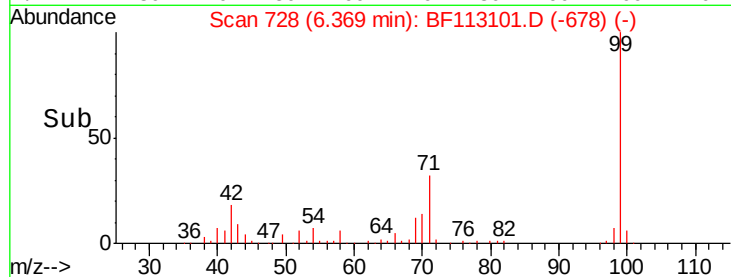
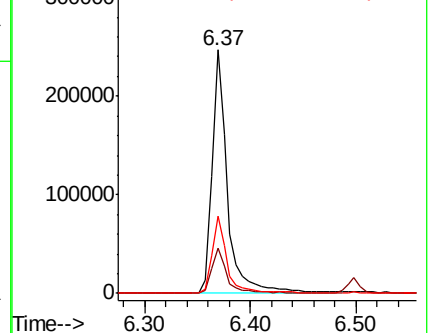
71 31.7 26.2 39.4



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: 2.539 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.13 min

Lab File: BF113101.D

Acq: 18 Mar 2019 20:11

Tgt Ion: 70 Resp: 19099

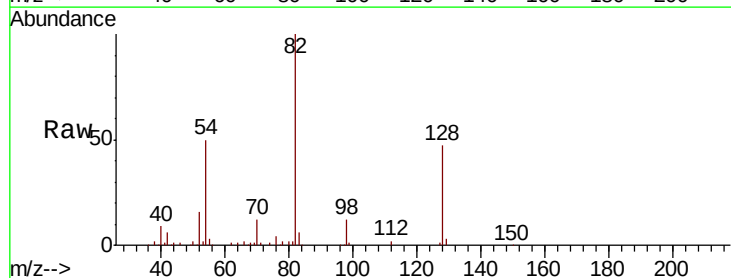
Ion Ratio Lower Upper

70 100

42 52.8 49.9 74.9

101 0.0 7.4 11.2#

130 0.0 17.4 26.2#

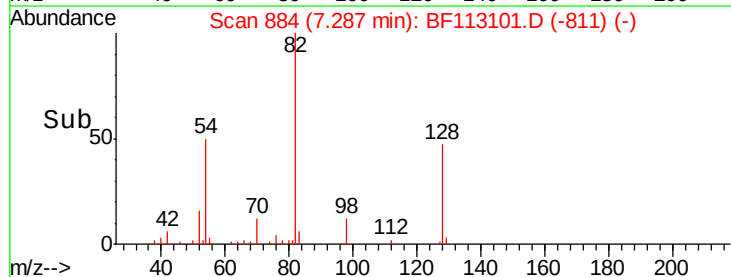
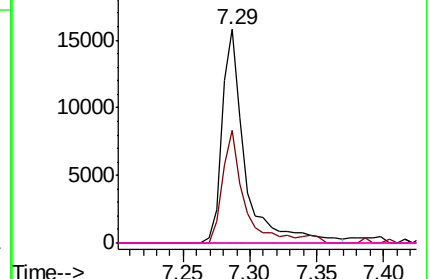


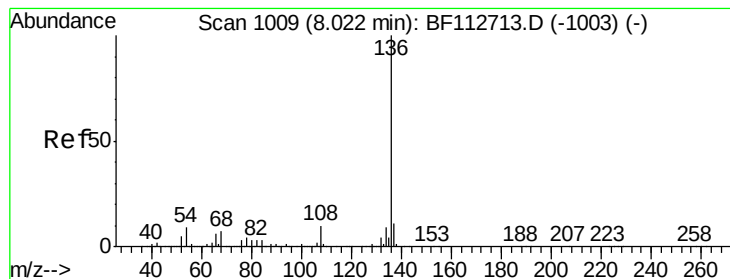
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: BF113101.D

Acq: 18 Mar 2019 20:11

Instrument :

BNA_F

ClientSampleId :

CL-01-031519-A

Tgt Ion: 136 Resp: 609787

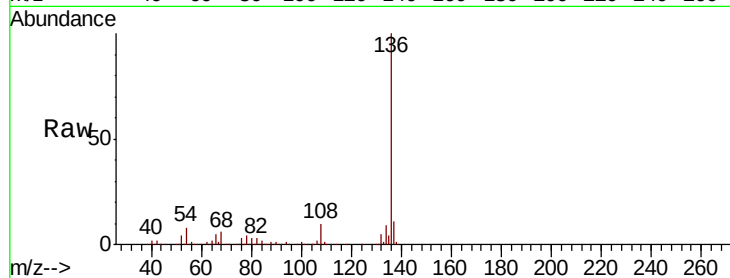
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 8.4 7.3 10.9

68 6.1 5.4 8.2

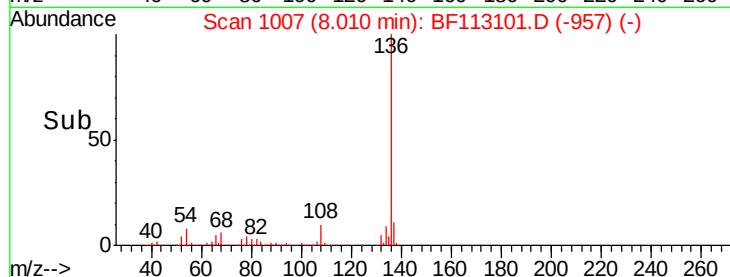


Abundance Ion 136.00 (135.70 to 136.70): E

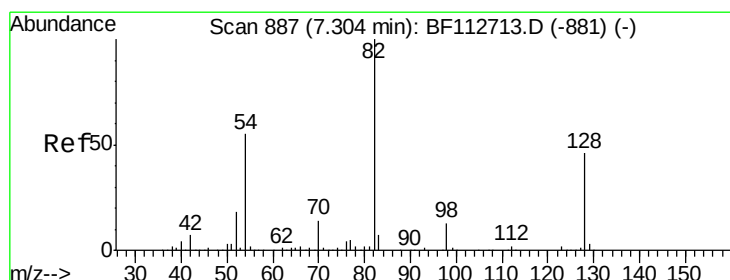
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



Time-->



#23

Nitrobenzene-d5

Concen: 13.936 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.01 min

Lab File: BF113101.D

Acq: 18 Mar 2019 20:11

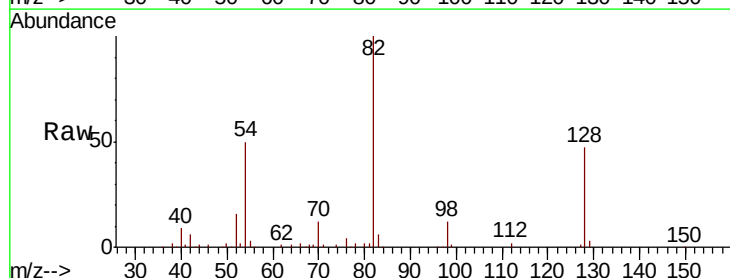
Tgt Ion: 82 Resp: 142021

Ion Ratio Lower Upper

82 100

128 46.8 36.3 54.5

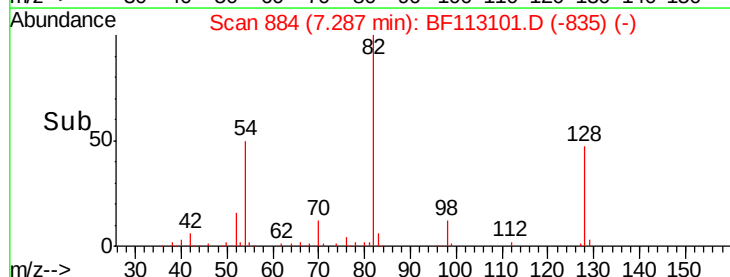
54 50.0 43.7 65.5



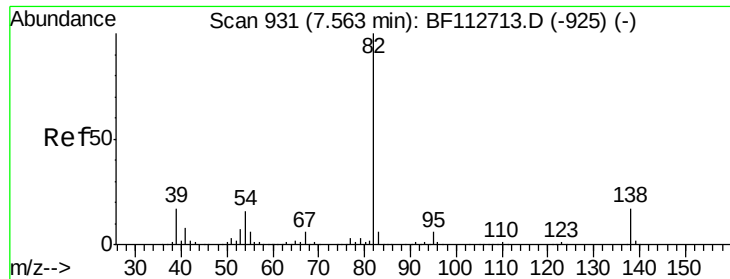
Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1



Time-->



#25

Isophorone

Concen: 6.469 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.27 min

Lab File: BF113101.D

Acq: 18 Mar 2019 20:11

Instrument :

BNA_F

ClientSampleId :

CL-01-031519-A

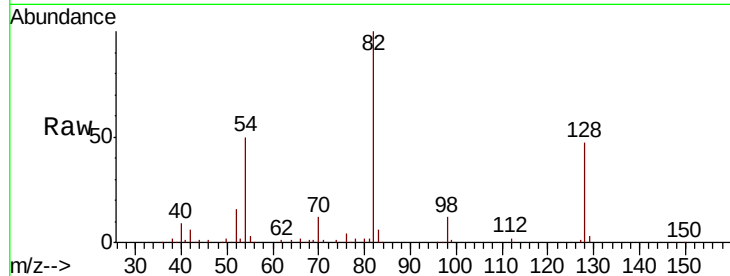
Tgt Ion: 82 Resp: 142020

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

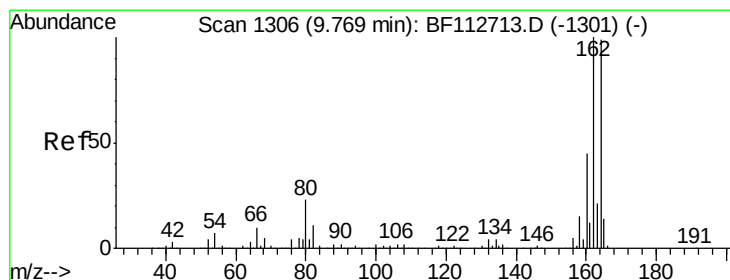
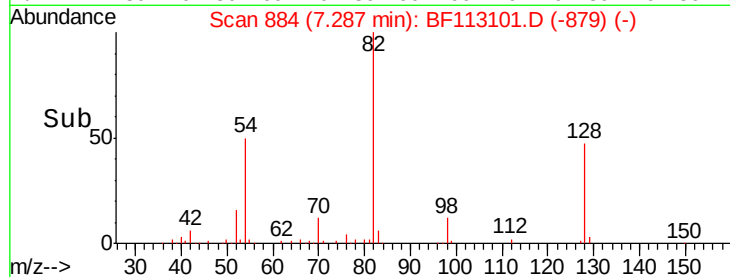
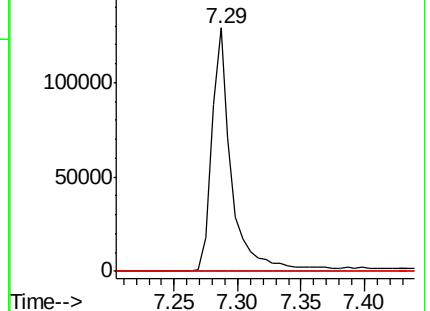
138 0.0 13.8 20.8#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1304

Delta R.T. -0.01 min

Lab File: BF113101.D

Acq: 18 Mar 2019 20:11

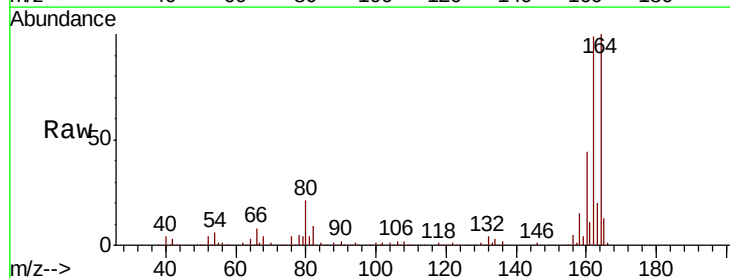
Tgt Ion: 164 Resp: 295552

Ion Ratio Lower Upper

164 100

162 99.0 80.6 120.8

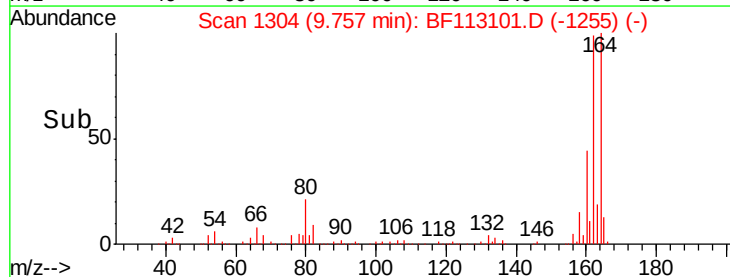
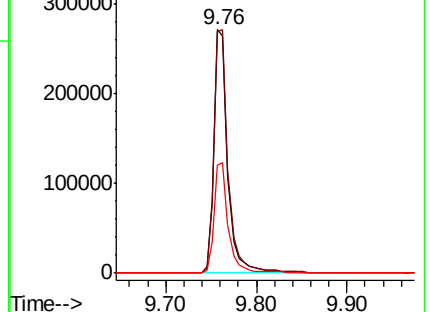
160 44.4 36.0 54.0

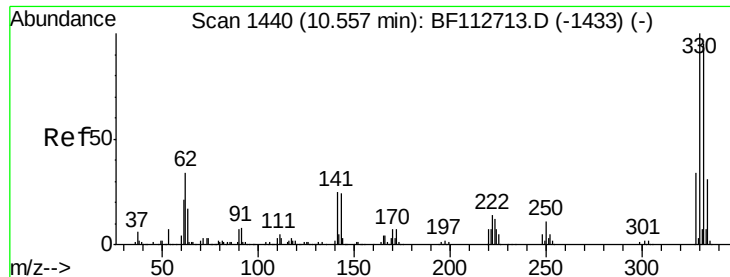


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 23.112 ng

RT: 10.55 min Scan# 1438

Delta R.T. -0.01 min

Lab File: BF113101.D

Acq: 18 Mar 2019 20:11

Instrument :

BNA_F

ClientSampleId :

CL-01-031519-A

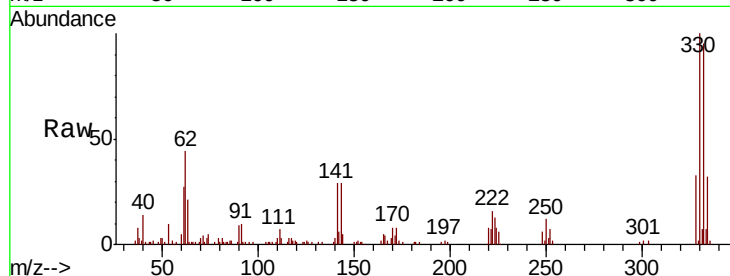
Tgt Ion:330 Resp: 72516

Ion Ratio Lower Upper

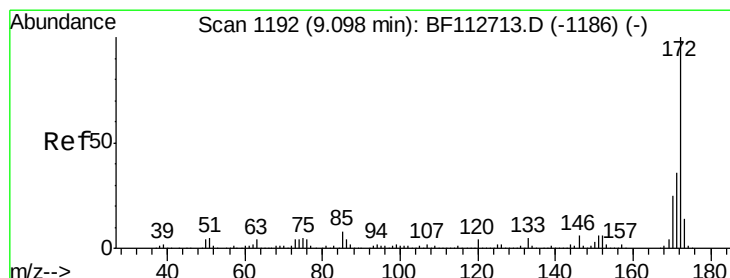
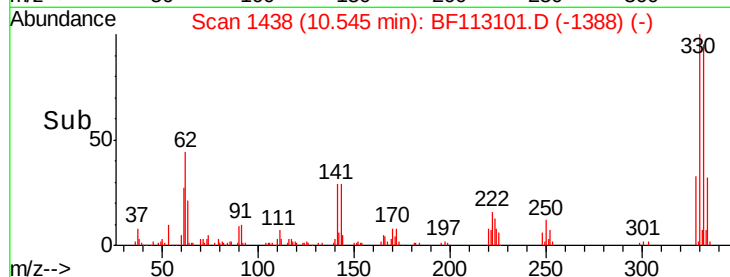
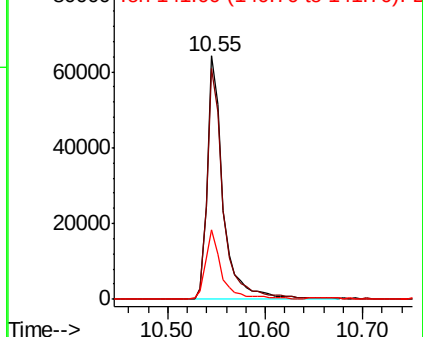
330 100

332 97.2 76.2 114.4

141 29.2 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: 14.513 ng

RT: 9.09 min Scan# 1190

Delta R.T. -0.01 min

Lab File: BF113101.D

Acq: 18 Mar 2019 20:11

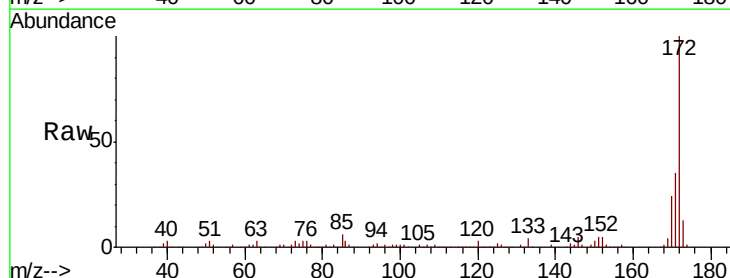
Tgt Ion:172 Resp: 338783

Ion Ratio Lower Upper

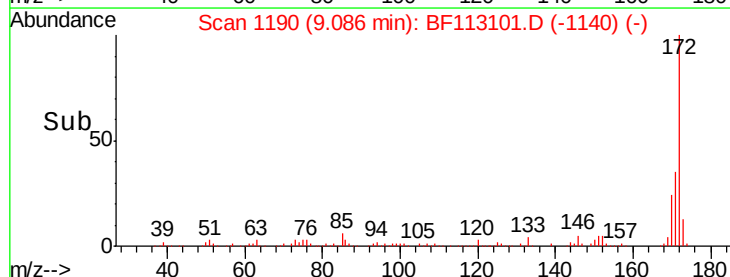
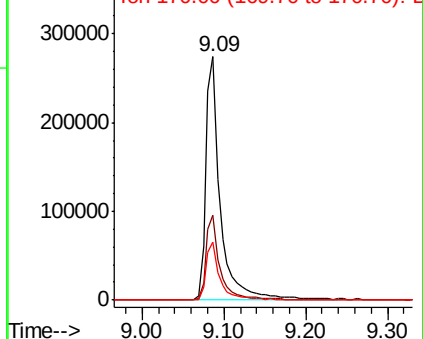
172 100

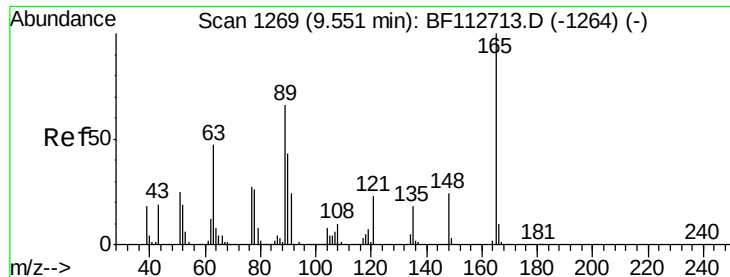
171 35.1 29.0 43.4

170 23.6 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

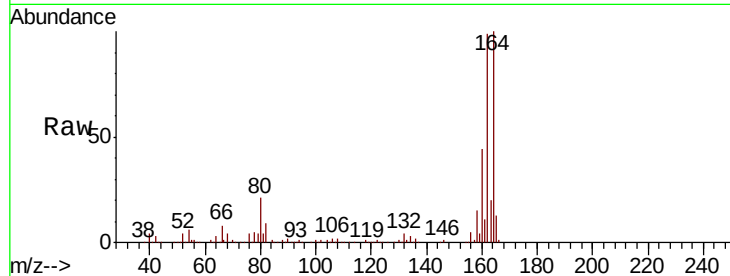




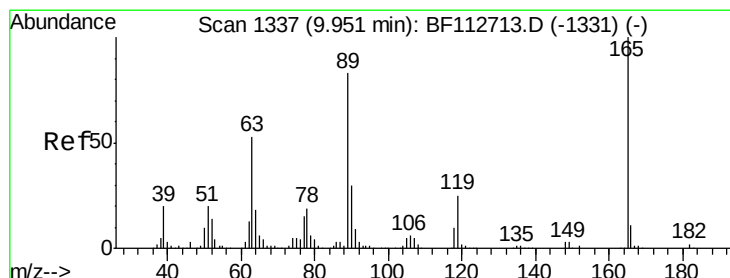
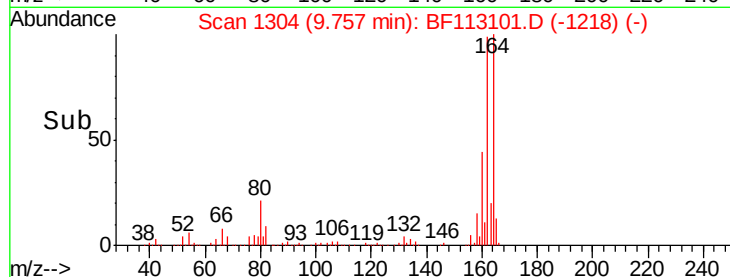
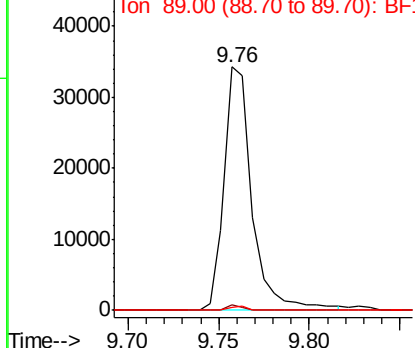
#51
 2,6-Dinitrotoluene
 Concen: 8.122 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. 0.21 min
 Lab File: BF113101.D
 Acq: 18 Mar 2019 20:11

Instrument :
 BNA_F
 ClientSampleId :
 CL-01-031519-A

Tgt Ion:165 Resp: 36857
 Ion Ratio Lower Upper
 165 100
 63 2.0 54.1 81.1#
 89 1.0 52.8 79.2#

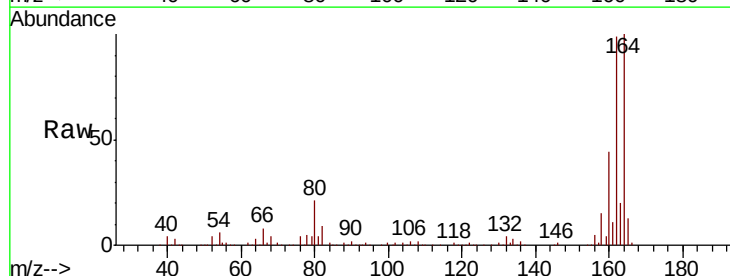


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

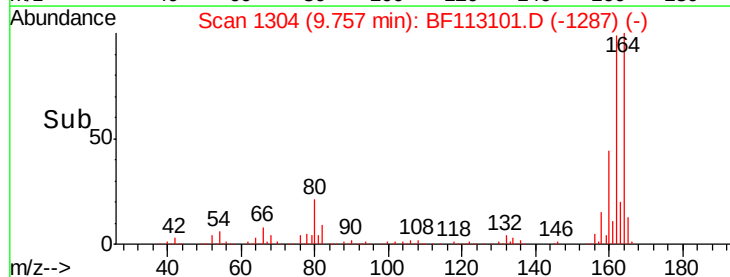
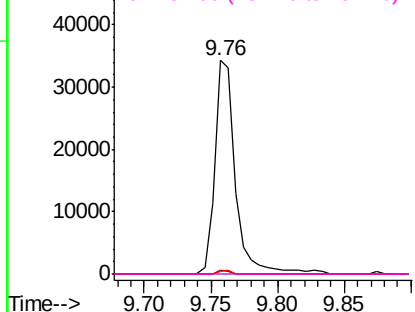


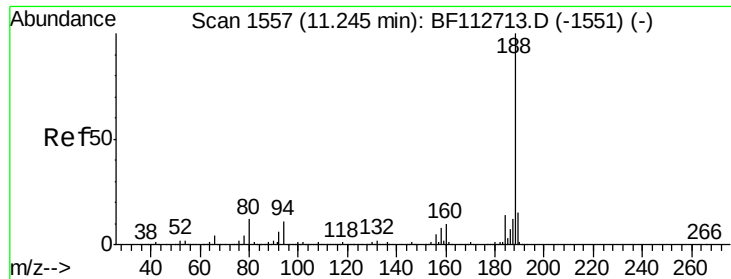
#57
 2,4-Dinitrotoluene
 Concen: 6.623 ng
 RT: 9.76 min Scan# 1304
 Delta R.T. -0.20 min
 Lab File: BF113101.D
 Acq: 18 Mar 2019 20:11

Tgt Ion:165 Resp: 37358
 Ion Ratio Lower Upper
 165 100
 63 2.0 42.2 63.2#
 89 1.0 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

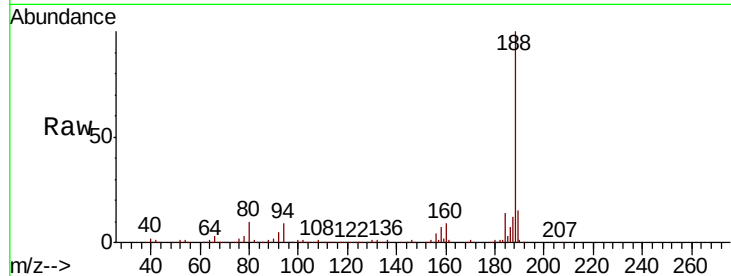




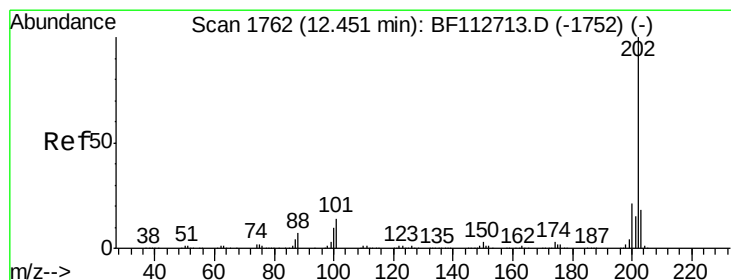
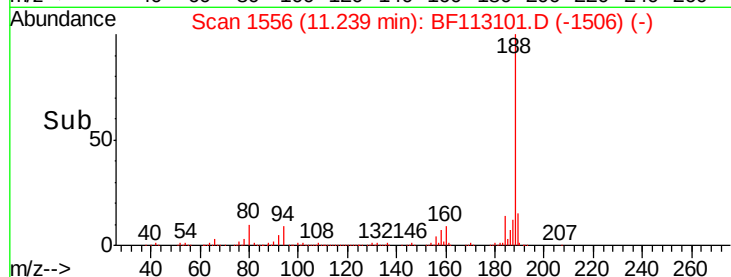
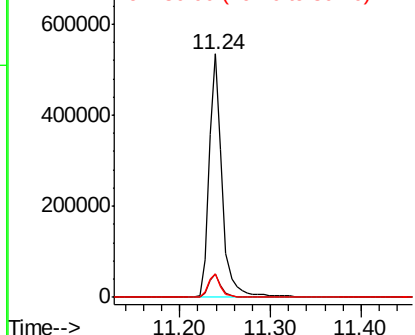
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1556
Delta R.T. -0.01 min
Lab File: BF113101.D
Acq: 18 Mar 2019 20:11

Instrument :
BNA_F
ClientSampleId :
CL-01-031519-A

Tgt Ion:188 Resp: 541814
Ion Ratio Lower Upper
188 100
94 9.4 9.0 13.4
80 9.7 9.2 13.8

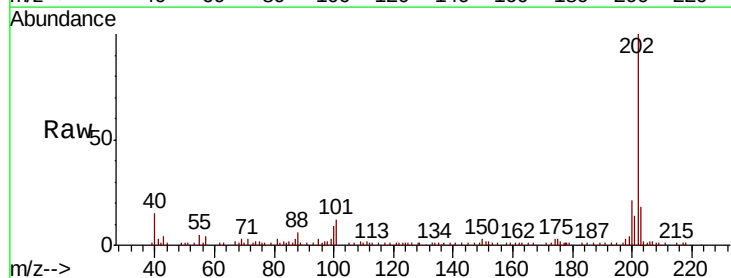


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

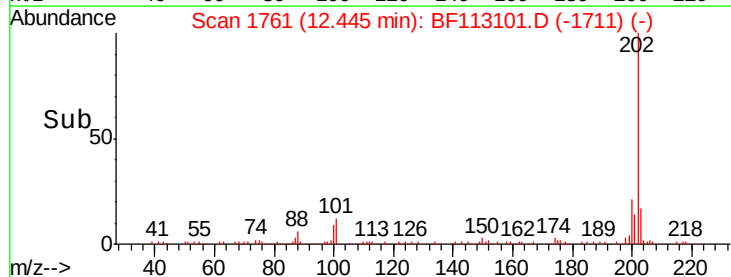
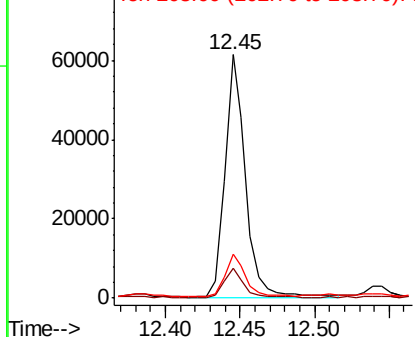


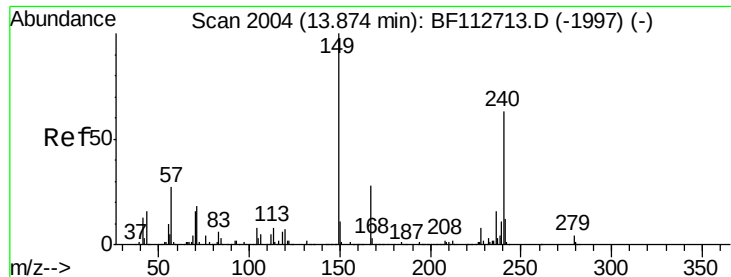
#75
Fluoranthene
Concen: 2.111 ng
RT: 12.45 min Scan# 1761
Delta R.T. -0.01 min
Lab File: BF113101.D
Acq: 18 Mar 2019 20:11

Tgt Ion:202 Resp: 60972
Ion Ratio Lower Upper
202 100
101 12.2 0.0 33.8
203 17.9 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

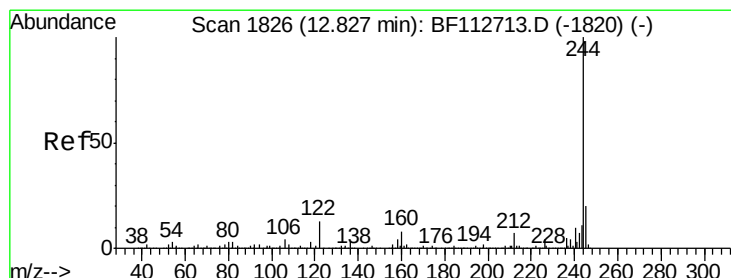
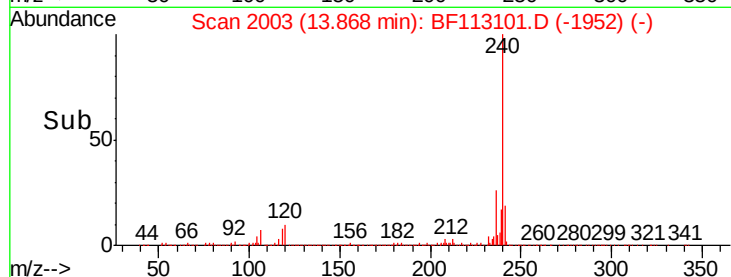
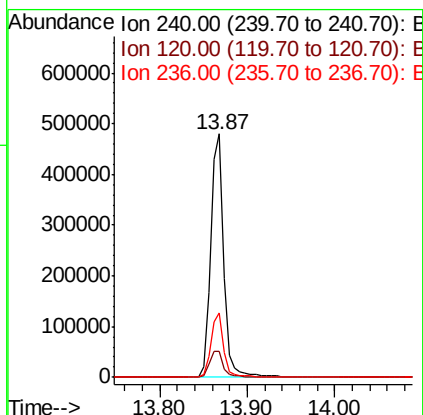
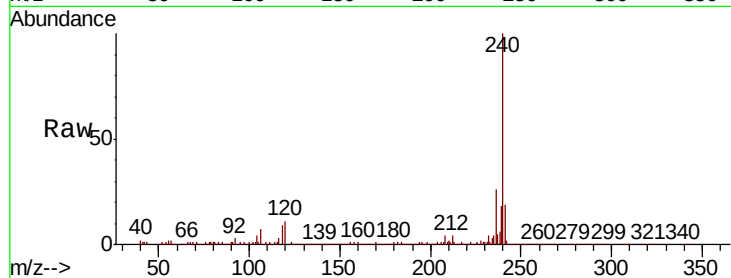




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.87 min Scan# 2003
Delta R.T. -0.00 min
Lab File: BF113101.D
Acq: 18 Mar 2019 20:11

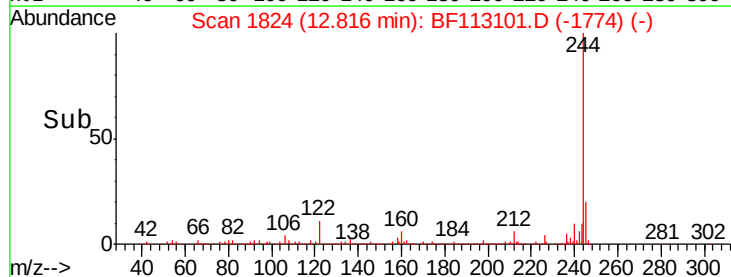
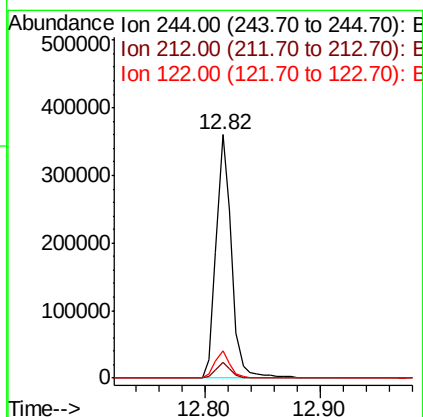
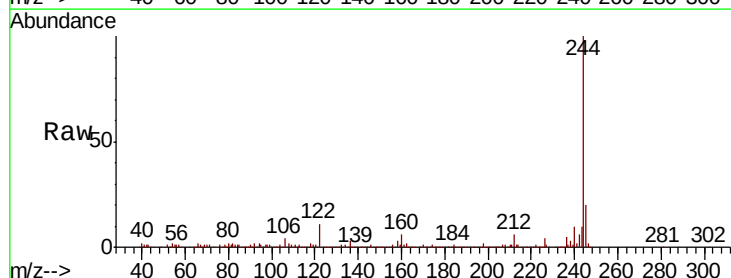
Instrument :
BNA_F
ClientSampleId :
CL-01-031519-A

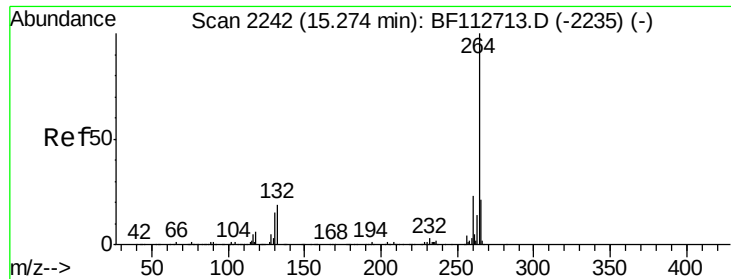
Tgt Ion:240 Resp: 495718
Ion Ratio Lower Upper
240 100
120 10.5 8.9 13.3
236 26.3 20.7 31.1



#79
Terphenyl-d14
Concen: 13.054 ng
RT: 12.82 min Scan# 1824
Delta R.T. -0.01 min
Lab File: BF113101.D
Acq: 18 Mar 2019 20:11

Tgt Ion:244 Resp: 333810
Ion Ratio Lower Upper
244 100
212 6.5 5.6 8.4
122 11.0 10.5 15.7

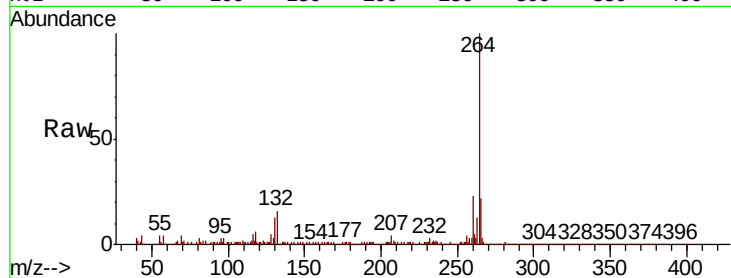




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF113101.D
Acq: 18 Mar 2019 20:11

Instrument :
BNA_F
ClientSampleId :
CL-01-031519-A

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.7	28.1
265	21.6	17.2	25.8



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

