

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF021219\
 Data File : BF112522.D
 Acq On : 12 Feb 2019 22:22
 Operator : JU/SJ
 Sample : K1343-05 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-021119-C

Quant Time: Feb 13 03:41:26 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

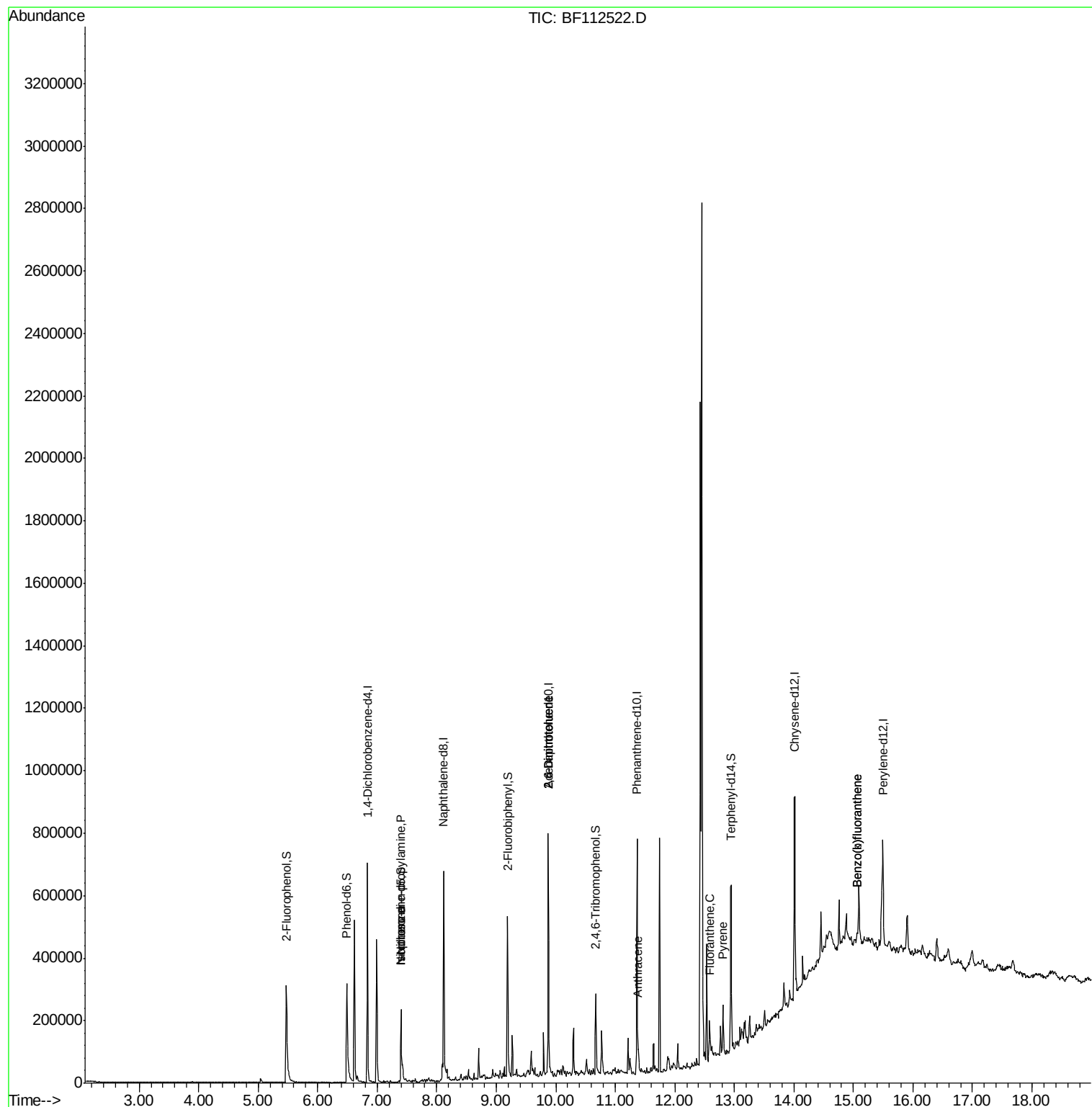
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	105160	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	378039	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	147144	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	275569	20.00	ng	0.00
76) Chrysene-d12	14.02	240	231815	20.00	ng	0.00
87) Perylene-d12	15.49	264	173020	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.47	112	140365	28.35	ng	0.00
7) Phenol-d6	6.49	99	175959	25.58	ng	0.00
23) Nitrobenzene-d5	7.40	82	97007	14.79	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	37176	21.71	ng	-0.01
45) 2-Fluorobiphenyl	9.19	172	184543	17.74	ng	-0.01
79) Terphenyl-d14	12.94	244	187369	15.22	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	14140	2.981	ng	# 78
25) Isophorone	7.40	82	97006	9.425	ng	# 63
51) 2,6-Dinitrotoluene	9.87	165	20412	7.972	ng	# 35
57) 2,4-Dinitrotoluene	9.87	165	20412	6.262	ng	# 32
72) Anthracene	11.39	178	28629	2.006	ng	98
75) Fluoranthene	12.58	202	44888	2.921	ng	97
78) Pyrene	12.81	202	41330	2.575	ng	99
88) Benzo(b)fluoranthene	15.06	252	21877	2.114	ng	# 56
89) Benzo(k)fluoranthene	15.06	252	21397	2.159	ng	# 56

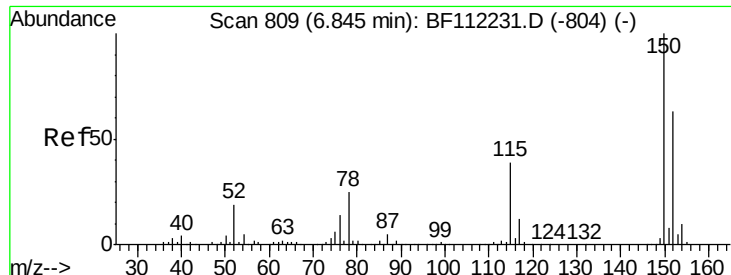
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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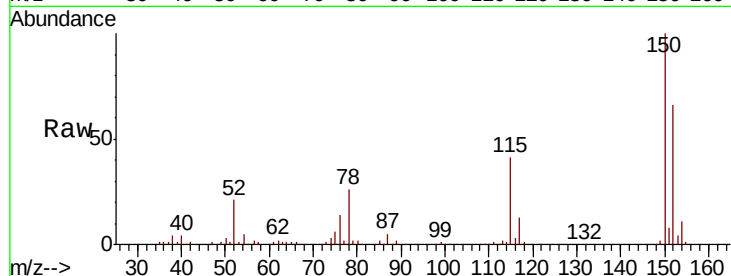




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 807
 Delta R.T. -0.01 min
 Lab File: BF112522.D
 Acq: 12 Feb 2019 22:22

Instrument :
 BNA_F
 ClientSampleId :
 JC-02-021119-C

Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.5	127.4	191.0
115	62.1	45.5	68.3

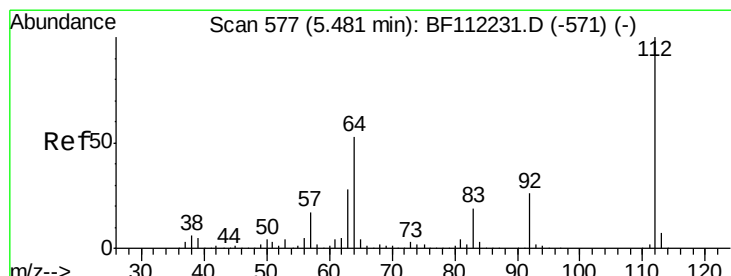
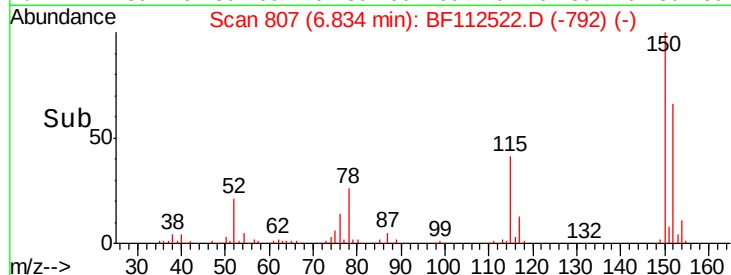
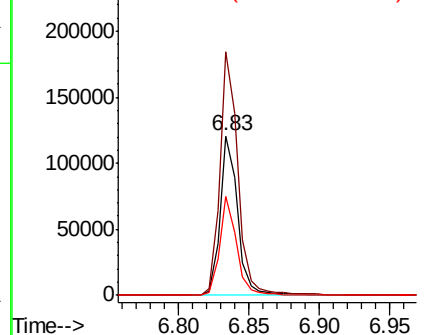


Abundance

Ion 152.00 (151.70 to 152.70): E

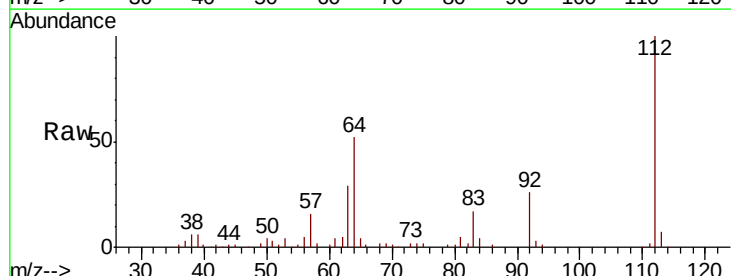
Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 28.352 ng
 RT: 5.47 min Scan# 576
 Delta R.T. -0.01 min
 Lab File: BF112522.D
 Acq: 12 Feb 2019 22:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	51.7	45.7	68.5
63	28.7	23.6	35.4

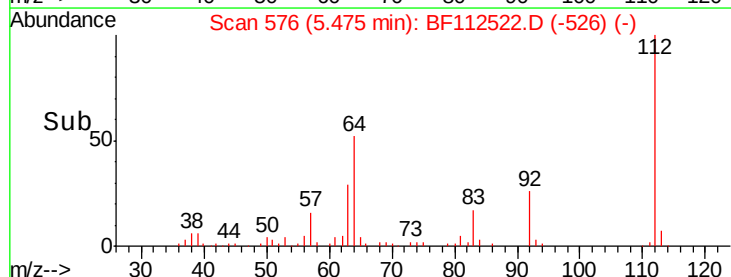
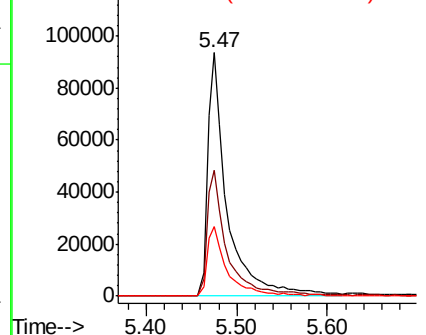


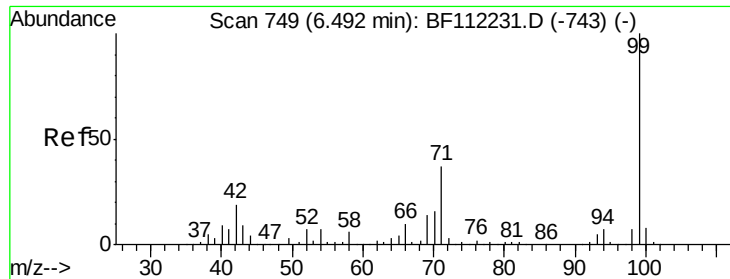
Abundance

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: 25.577 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF112522.D

Acq: 12 Feb 2019 22:22

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-C

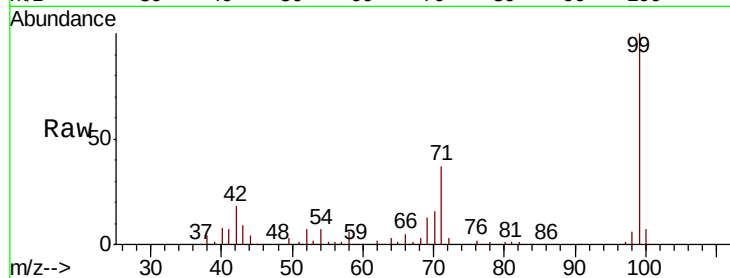
Tgt Ion: 99 Resp: 175959

Ion Ratio Lower Upper

99 100

42 18.4 15.1 22.7

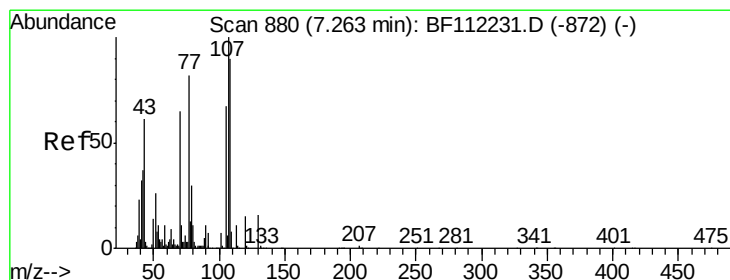
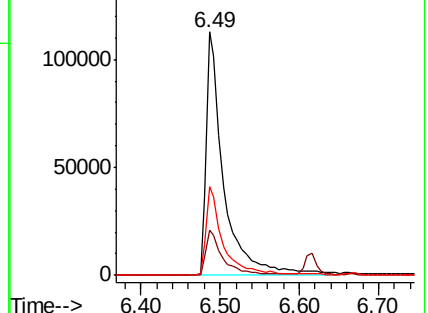
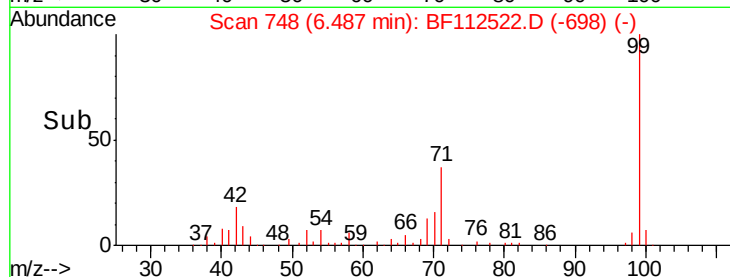
71 36.6 26.9 40.3



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: 2.981 ng

RT: 7.40 min Scan# 903

Delta R.T. 0.14 min

Lab File: BF112522.D

Acq: 12 Feb 2019 22:22

Tgt Ion: 70 Resp: 14140

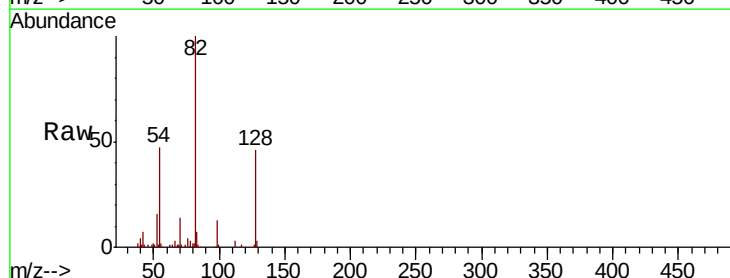
Ion Ratio Lower Upper

70 100

42 51.5 47.6 71.4

101 0.0 7.9 11.9#

130 0.0 18.4 27.6#

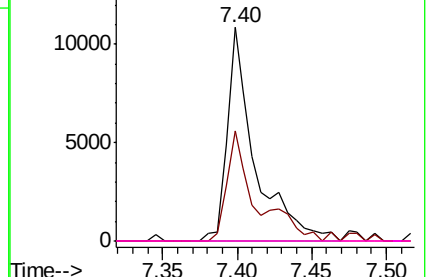
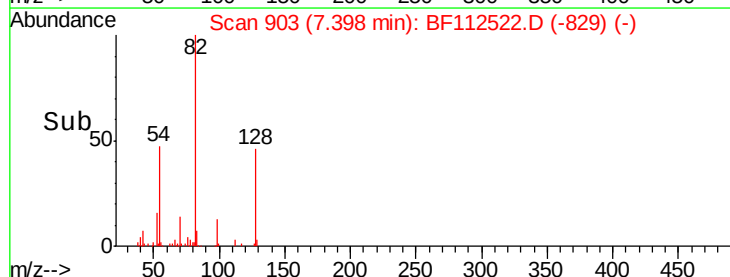


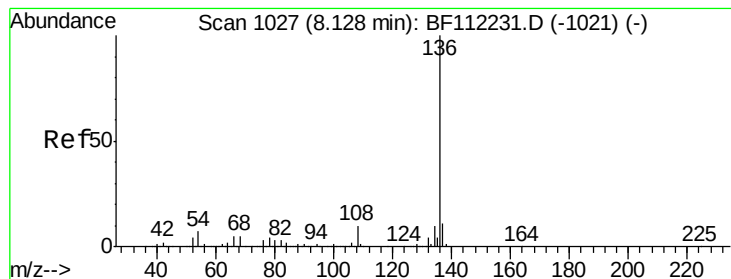
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF112522.D

Acq: 12 Feb 2019 22:22

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-C

Tgt Ion: 136 Resp: 378039

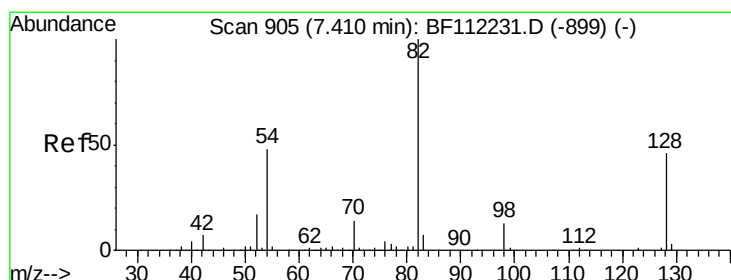
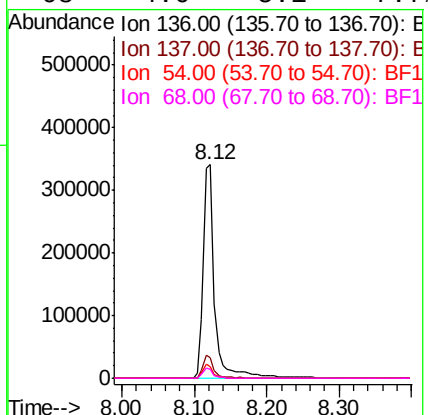
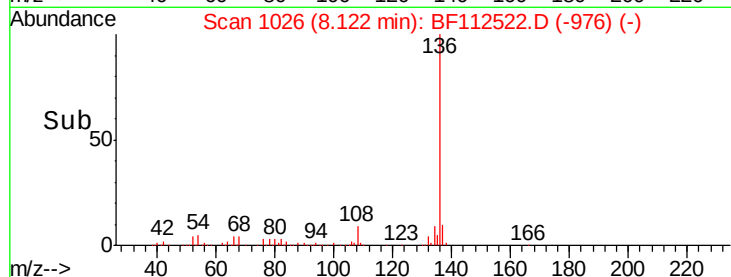
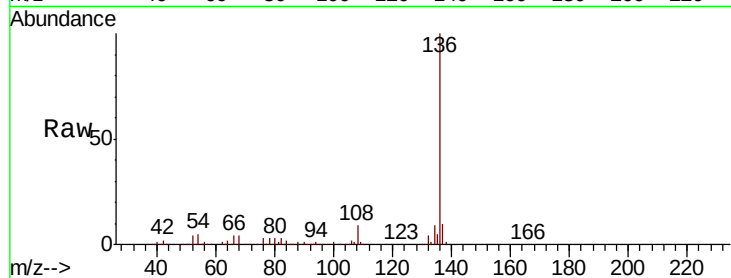
Ion Ratio Lower Upper

136 100

137 9.7 9.1 13.7

54 5.4 5.9 8.9#

68 4.0 5.1 7.7#



#23

Nitrobenzene-d5

Concen: 14.786 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.01 min

Lab File: BF112522.D

Acq: 12 Feb 2019 22:22

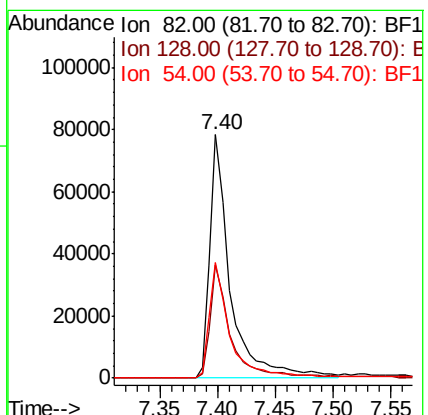
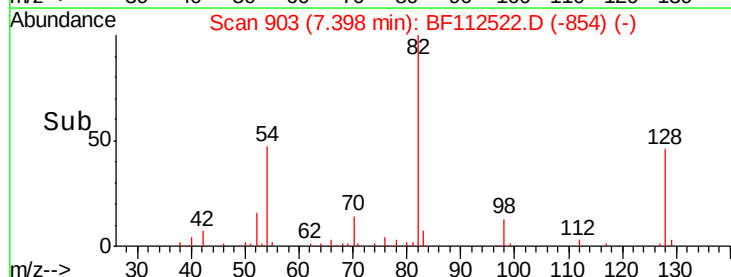
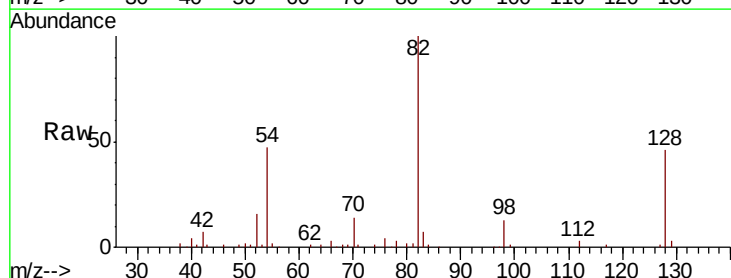
Tgt Ion: 82 Resp: 97007

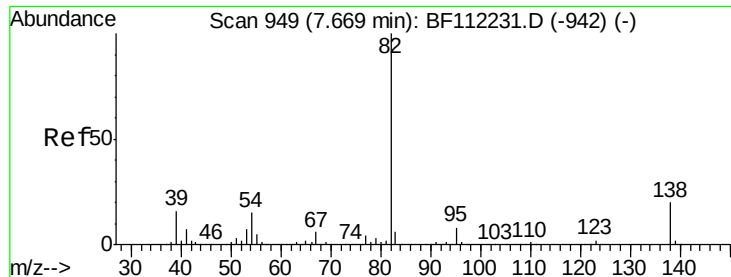
Ion Ratio Lower Upper

82 100

128 46.4 37.8 56.8

54 47.2 39.7 59.5





#25

Isophorone

Concen: 9.425 ng

RT: 7.40 min Scan# 903

Delta R.T. -0.27 min

Lab File: BF112522.D

Acq: 12 Feb 2019 22:22

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-C

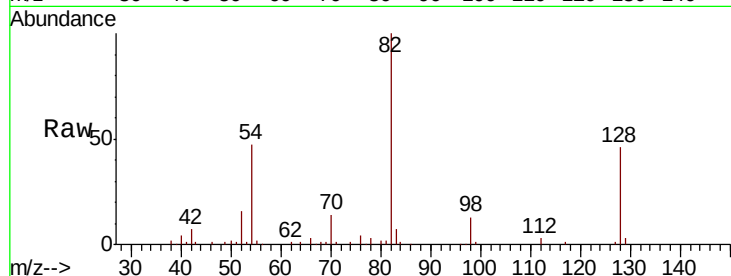
Tgt Ion: 82 Resp: 97006

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

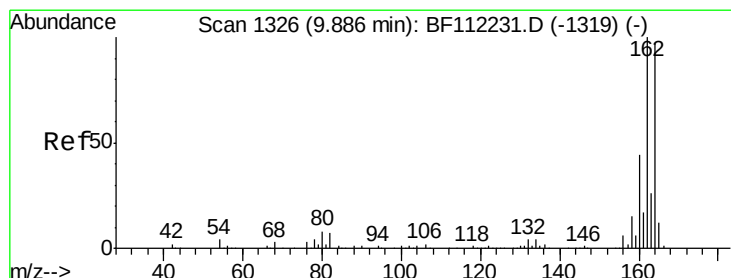
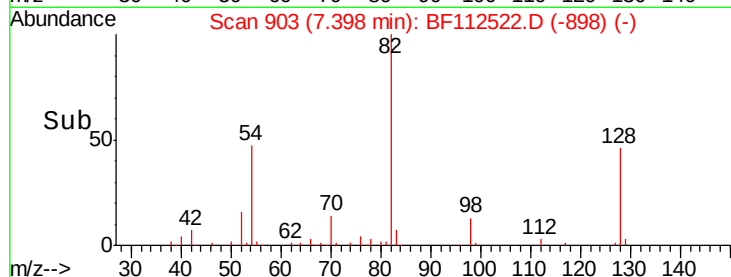
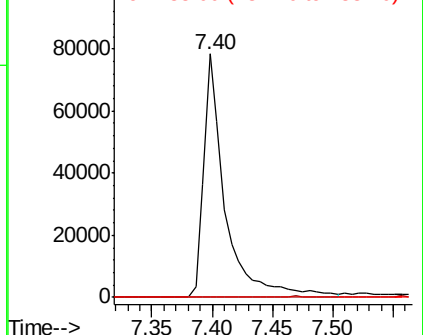
138 0.0 15.4 23.0#



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: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF112522.D

Acq: 12 Feb 2019 22:22

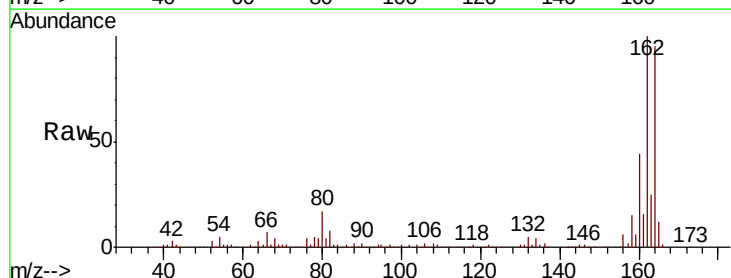
Tgt Ion: 164 Resp: 147144

Ion Ratio Lower Upper

164 100

162 105.1 82.2 123.4

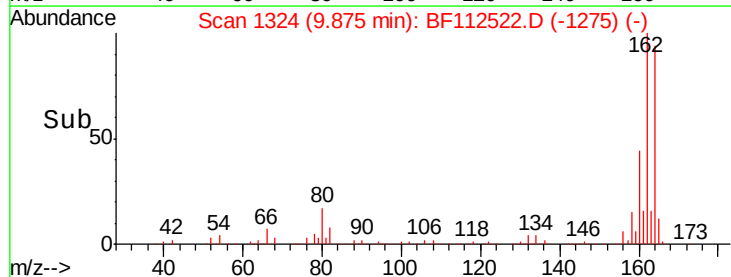
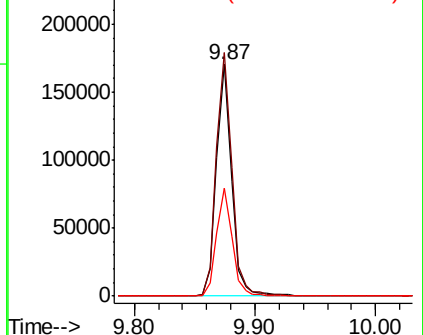
160 46.6 36.2 54.4

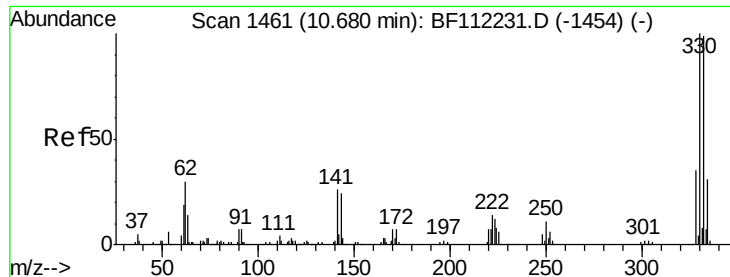


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 21.706 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF112522.D

Acq: 12 Feb 2019 22:22

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-C

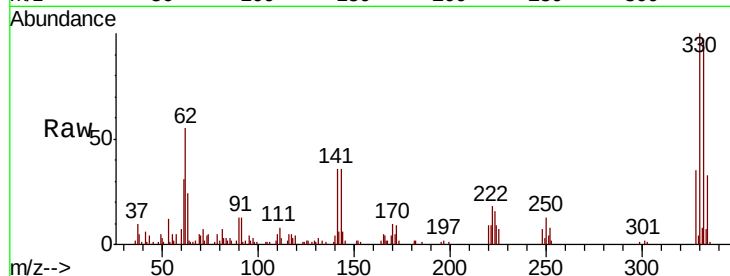
Tgt Ion:330 Resp: 37176

Ion Ratio Lower Upper

330 100

332 96.1 76.6 114.8

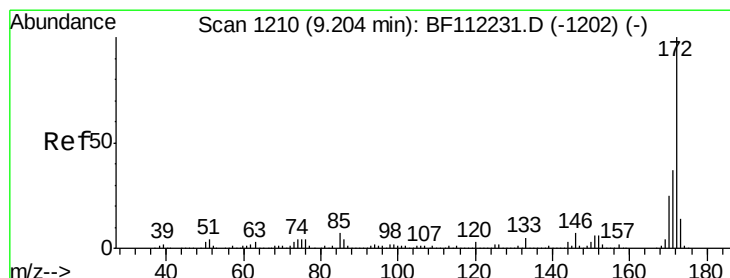
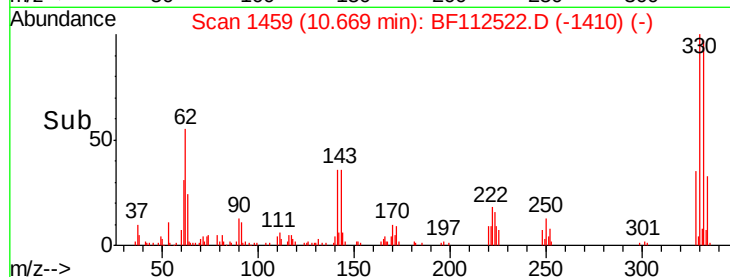
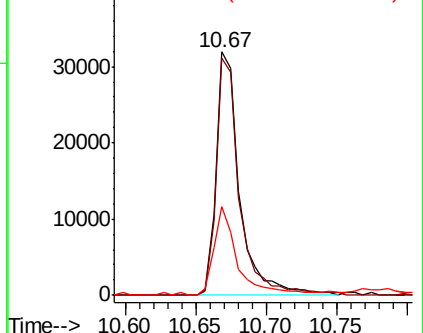
141 36.1 24.3 36.5



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: 17.738 ng

RT: 9.19 min Scan# 1208

Delta R.T. -0.01 min

Lab File: BF112522.D

Acq: 12 Feb 2019 22:22

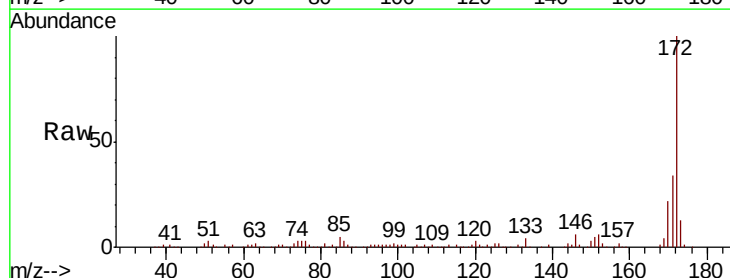
Tgt Ion:172 Resp: 184543

Ion Ratio Lower Upper

172 100

171 34.1 30.5 45.7

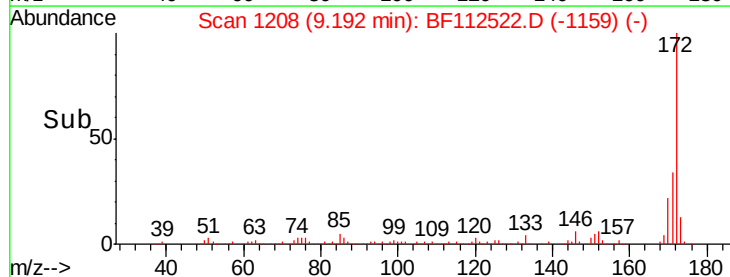
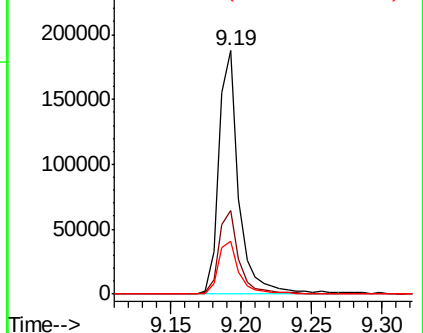
170 21.8 20.2 30.4

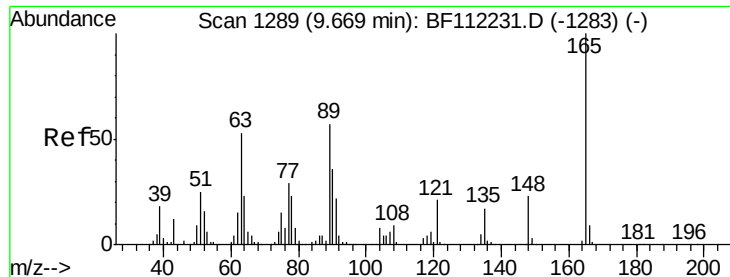


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#51

2,6-Dinitrotoluene

Concen: 7.972 ng

RT: 9.87 min Scan# 1324

Delta R.T. 0.21 min

Lab File: BF112522.D

Acq: 12 Feb 2019 22:22

Instrument :

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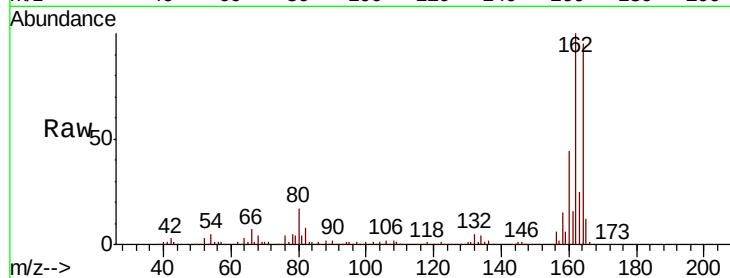
Tgt Ion:165 Resp: 20412

Ion Ratio Lower Upper

165 100

63 1.9 33.8 50.8#

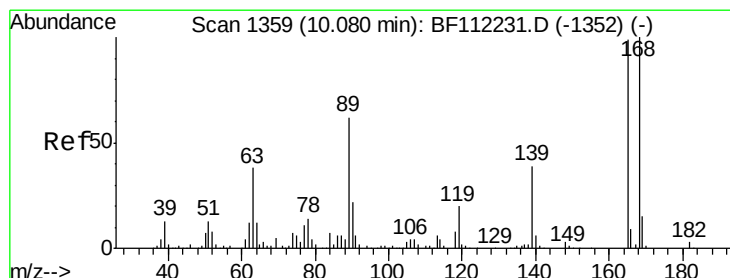
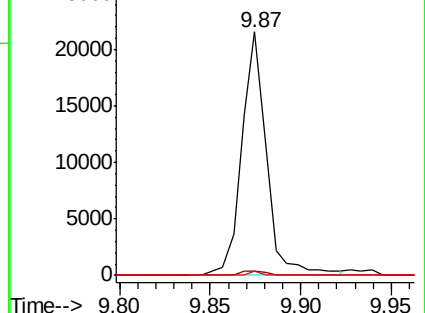
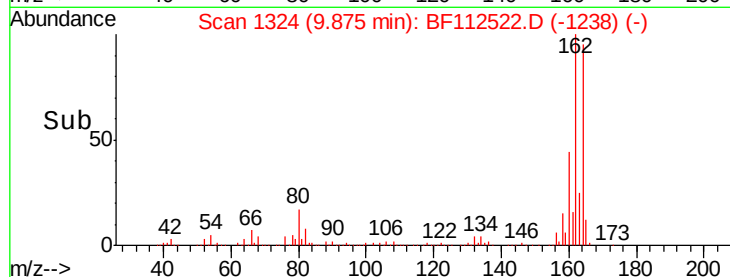
89 1.8 36.9 55.3#



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: 6.262 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.21 min

Lab File: BF112522.D

Acq: 12 Feb 2019 22:22

Tgt Ion:165 Resp: 20412

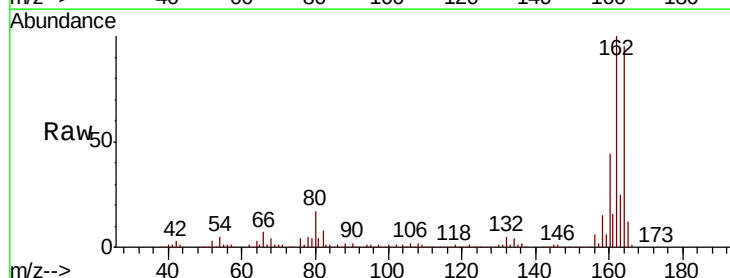
Ion Ratio Lower Upper

165 100

63 1.9 27.9 41.9#

89 1.8 47.9 71.9#

182 0.0 2.2 3.4#

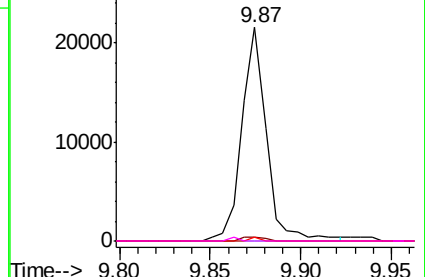
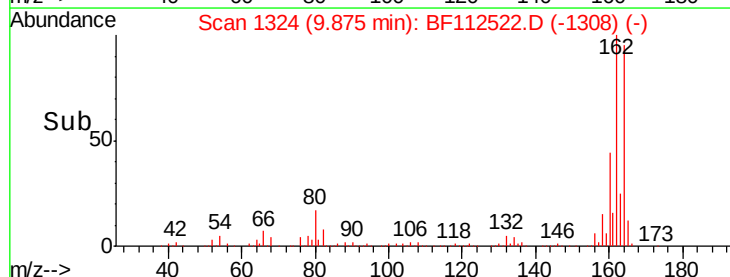


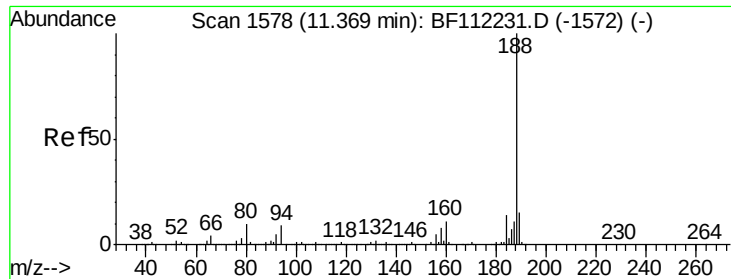
Abundance Ion 165.00 (164.70 to 165.70): E

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF112522.D

Acq: 12 Feb 2019 22:22

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BNA_F

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JC-02-021119-C

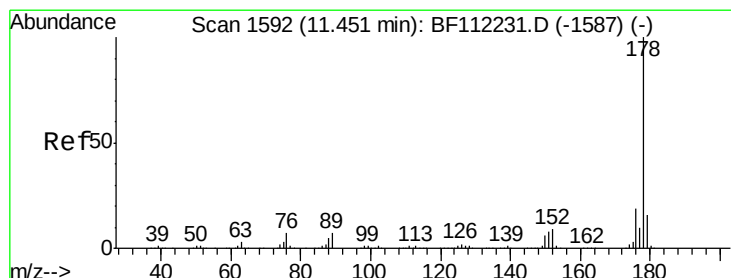
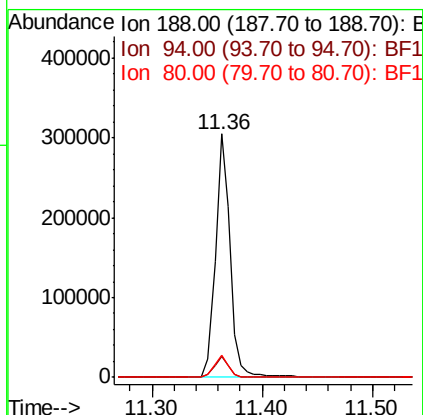
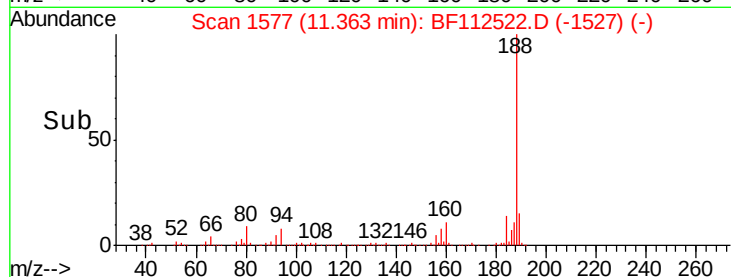
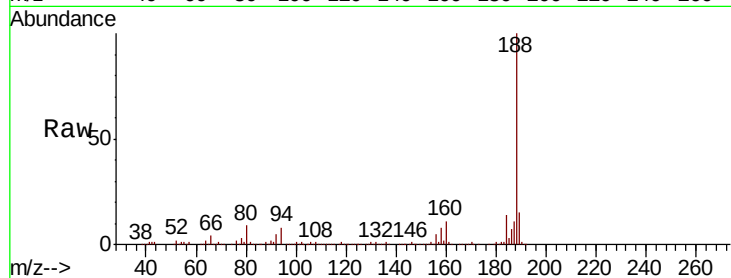
Tgt Ion:188 Resp: 275569

Ion Ratio Lower Upper

188 100

94 8.4 8.2 12.2

80 9.3 8.9 13.3



#72

Anthracene

Concen: 2.006 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.06 min

Lab File: BF112522.D

Acq: 12 Feb 2019 22:22

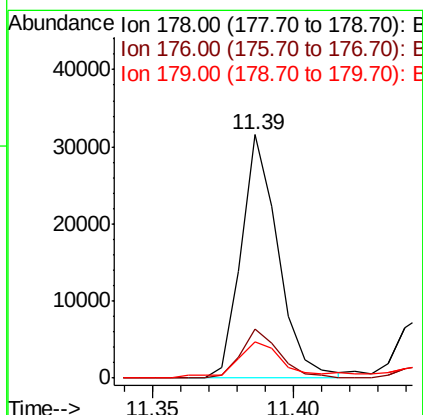
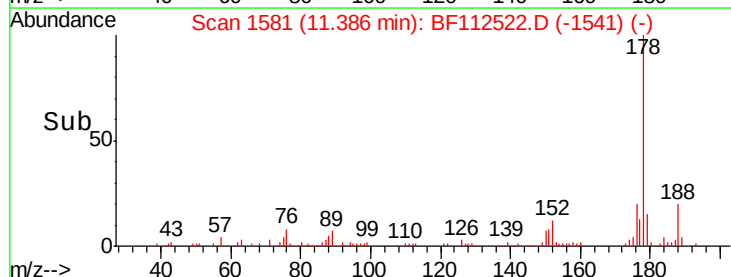
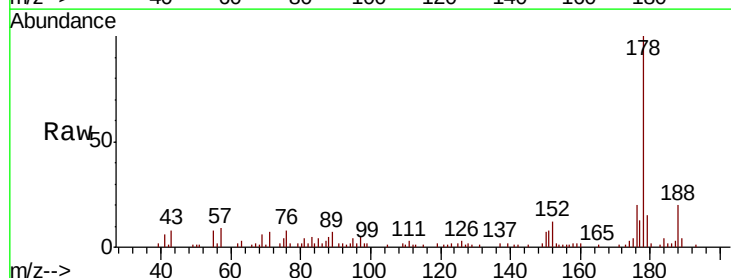
Tgt Ion:178 Resp: 28629

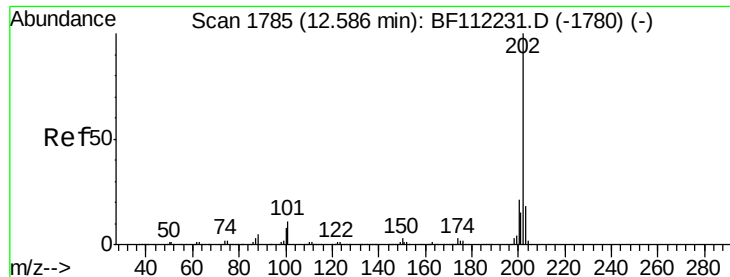
Ion Ratio Lower Upper

178 100

176 20.0 15.5 23.3

179 14.9 12.8 19.2





#75

Fluoranthene

Concen: 2.921 ng

RT: 12.58 min Scan# 1784

Delta R.T. -0.01 min

Lab File: BF112522.D

Acq: 12 Feb 2019 22:22

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-C

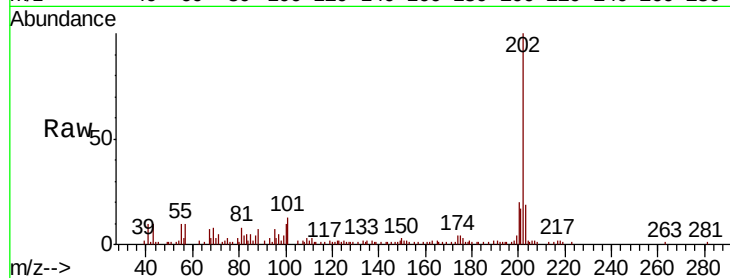
Tgt Ion:202 Resp: 44888

Ion Ratio Lower Upper

202 100

101 12.9 0.0 31.8

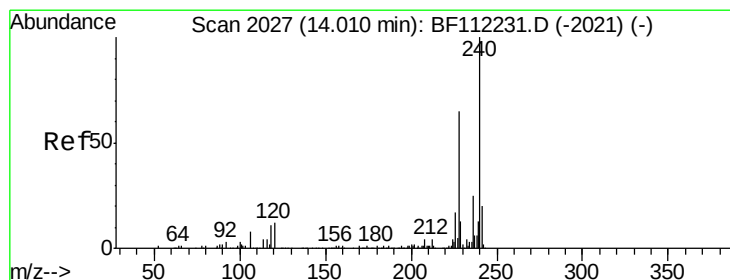
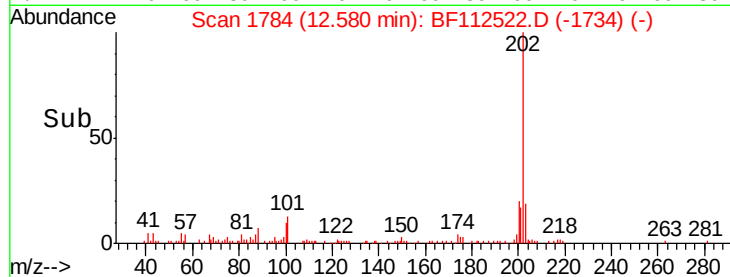
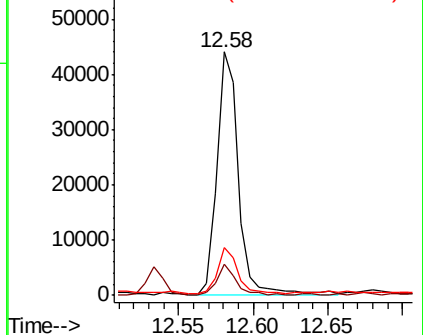
203 19.4 0.0 38.4



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: 14.02 min Scan# 2028

Delta R.T. 0.01 min

Lab File: BF112522.D

Acq: 12 Feb 2019 22:22

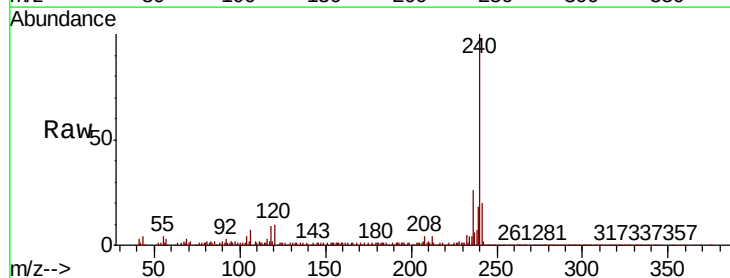
Tgt Ion:240 Resp: 231815

Ion Ratio Lower Upper

240 100

120 9.8 9.0 13.6

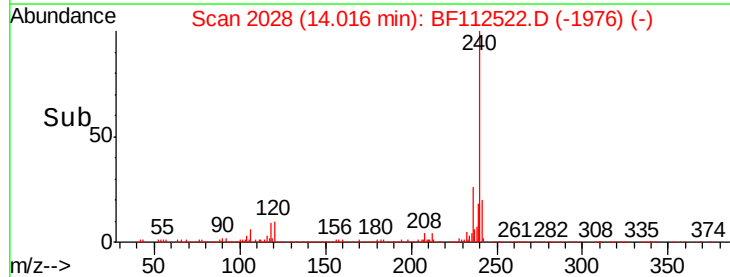
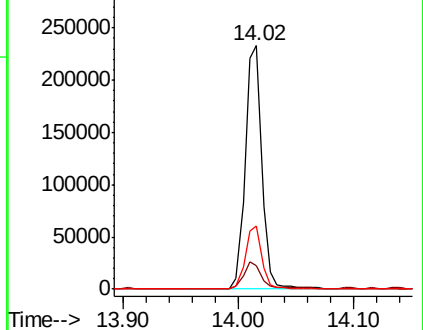
236 26.1 20.7 31.1

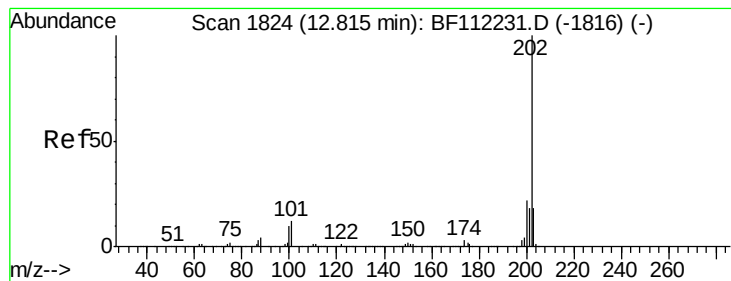


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 2.575 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF112522.D

Acq: 12 Feb 2019 22:22

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-C

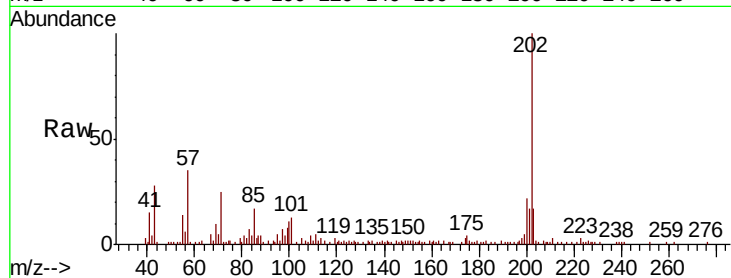
Tgt Ion: 202 Resp: 41330

Ion Ratio Lower Upper

202 100

200 22.1 17.7 26.5

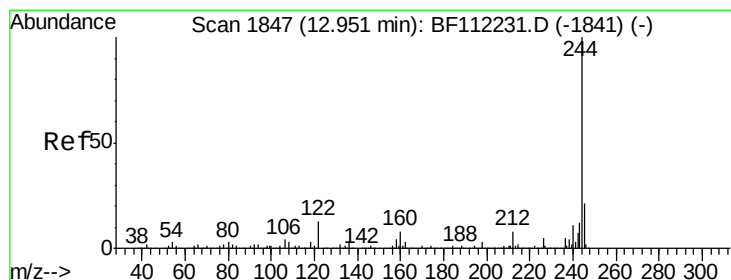
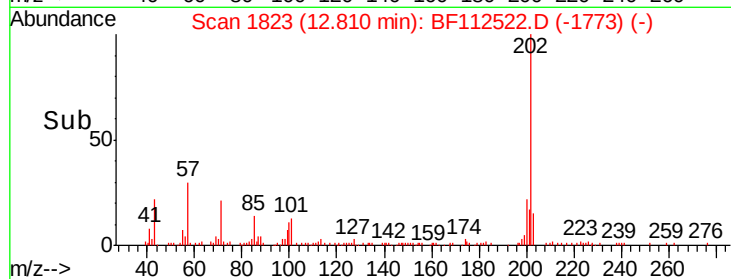
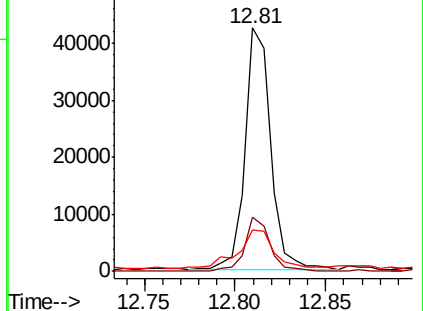
203 17.1 14.6 22.0



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: 15.223 ng

RT: 12.94 min Scan# 1846

Delta R.T. -0.01 min

Lab File: BF112522.D

Acq: 12 Feb 2019 22:22

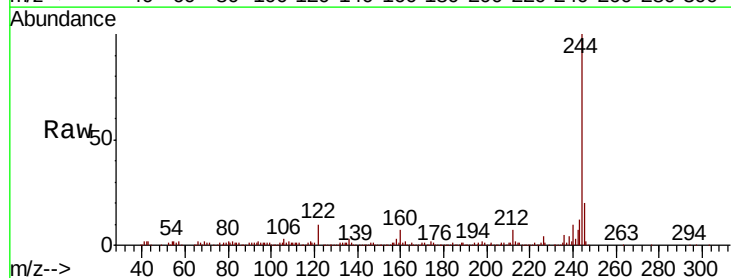
Tgt Ion: 244 Resp: 187369

Ion Ratio Lower Upper

244 100

212 6.6 5.9 8.9

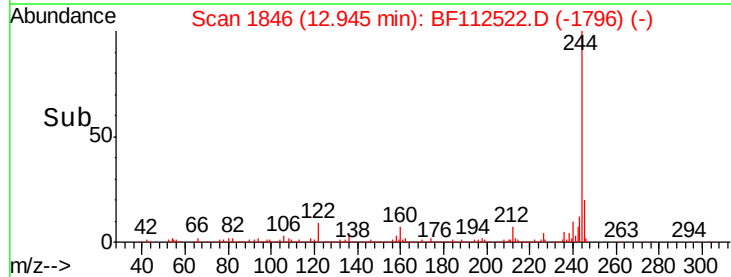
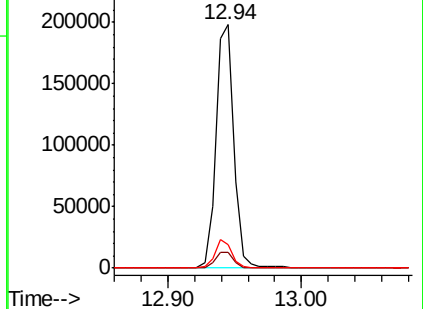
122 9.5 9.8 14.6#

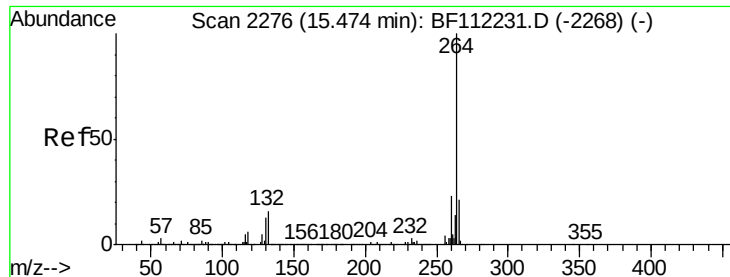


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

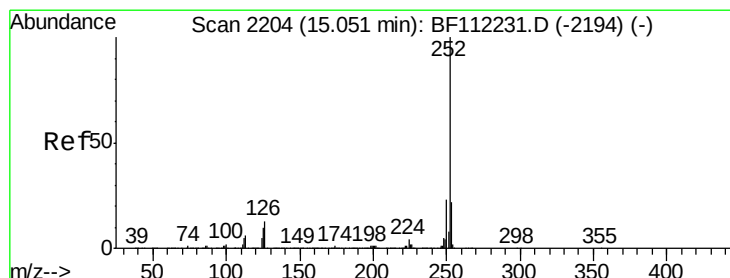
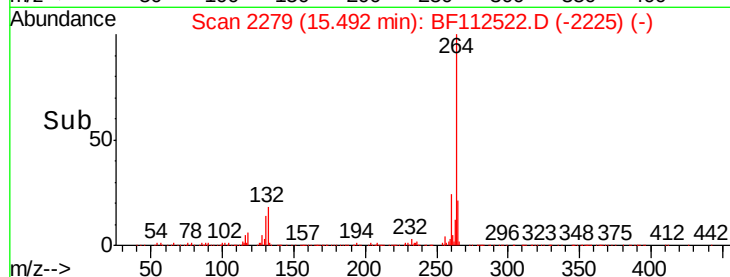
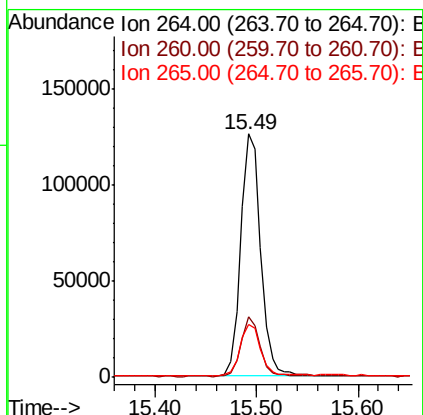
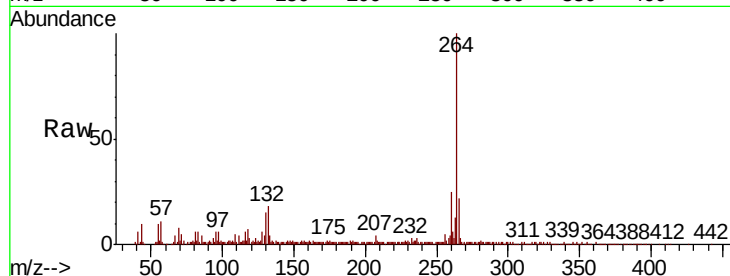




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.49 min Scan# 2279
Delta R.T. 0.02 min
Lab File: BF112522.D
Acq: 12 Feb 2019 22:22

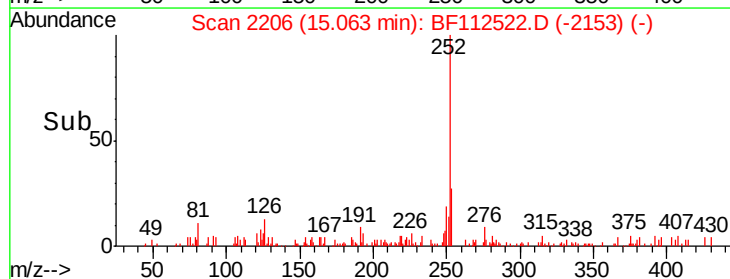
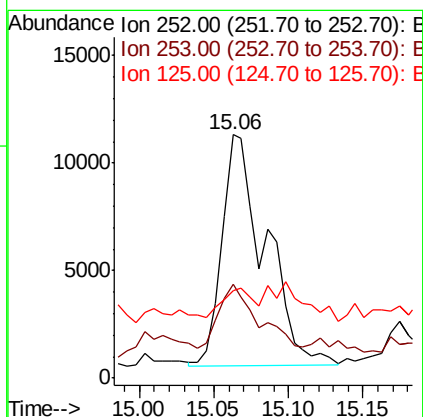
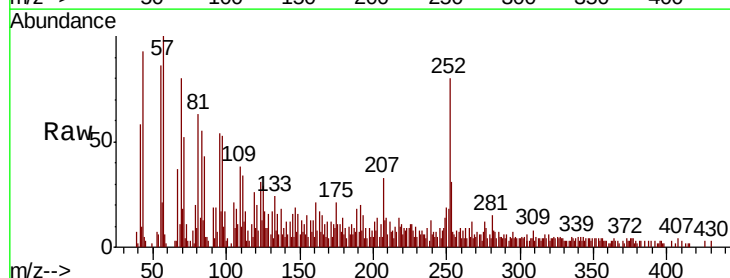
Instrument :
BNA_F
ClientSampleId :
JC-02-021119-C

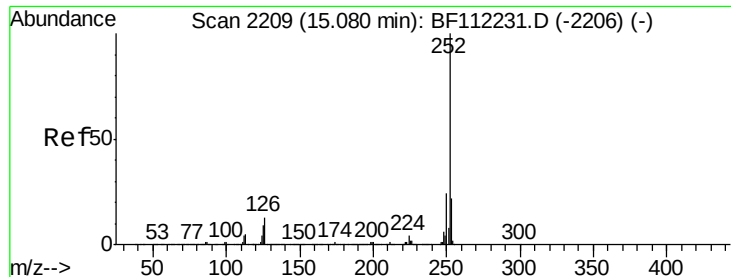
Tgt Ion:264 Resp: 173020
Ion Ratio Lower Upper
264 100
260 25.0 18.2 27.2
265 21.8 17.0 25.4



#88
Benzo(b)fluoranthene
Concen: 2.114 ng
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF112522.D
Acq: 12 Feb 2019 22:22

Tgt Ion:252 Resp: 21877
Ion Ratio Lower Upper
252 100
253 38.4 18.0 27.0#
125 36.1 8.7 13.1#





#89

Benzo(k)fluoranthene

Concen: 2.159 ng

RT: 15.06 min Scan# 2206

Delta R.T. -0.02 min

Lab File: BF112522.D

Acq: 12 Feb 2019 22:22

Instrument :

BNA_F

ClientSampleId :

JC-02-021119-C

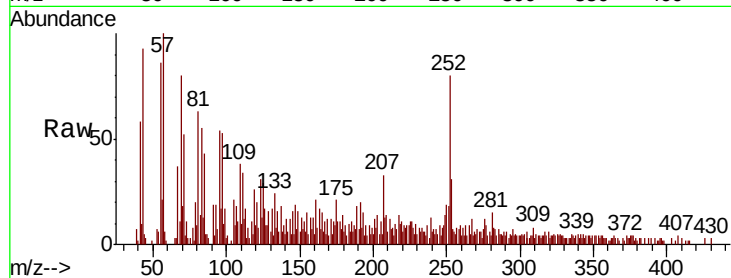
Tgt Ion: 252 Resp: 21397

Ion Ratio Lower Upper

252 100

253 38.4 18.0 27.0#

125 36.1 9.1 13.7#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

