

Data File : BN007222.D
Acq On : 16 Aug 2019 14:36
Operator : HP/JU
Sample : PB122289BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB122289BS

Quant Time: Aug 17 00:57:58 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_N\METHODS\8270-SIM-BN081019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Aug 13 12:12:02 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.42	152	6280	0.40	ng	-0.02
6) Naphthalene-d8	10.17	136	22993	0.40	ng	-0.01
12) Acenaphthene-d10	14.07	164	12784	0.40	ng	-0.01
18) Phenanthrene-d10	16.81	188	31778	0.40	ng	-0.01
26) Chrysene-d12	21.03	240	33331	0.40	ng	-0.02
32) Perylene-d12	23.15	264	36437	0.40	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	5.05	112	6328	0.42	ng	0.00
4) Phenol-d6	6.61	99	7979	0.43	ng	0.00
7) Nitrobenzene-d5	8.55	82	6090	0.33	ng	-0.01
10) 2-Methylnaphthalene-d10	11.78	152	18156	0.42	ng	-0.02
13) 2,4,6-Tribromophenol	15.56	330	2153	0.31	ng	-0.01
14) 2-Fluorobiphenyl	12.71	172	899	0.05	ng	0.00
24) Fluoranthene-d10	18.86	212	35098	0.31	ng	-0.01
28) Terphenyl-d14	19.48	244	26793	0.29	ng	-0.02

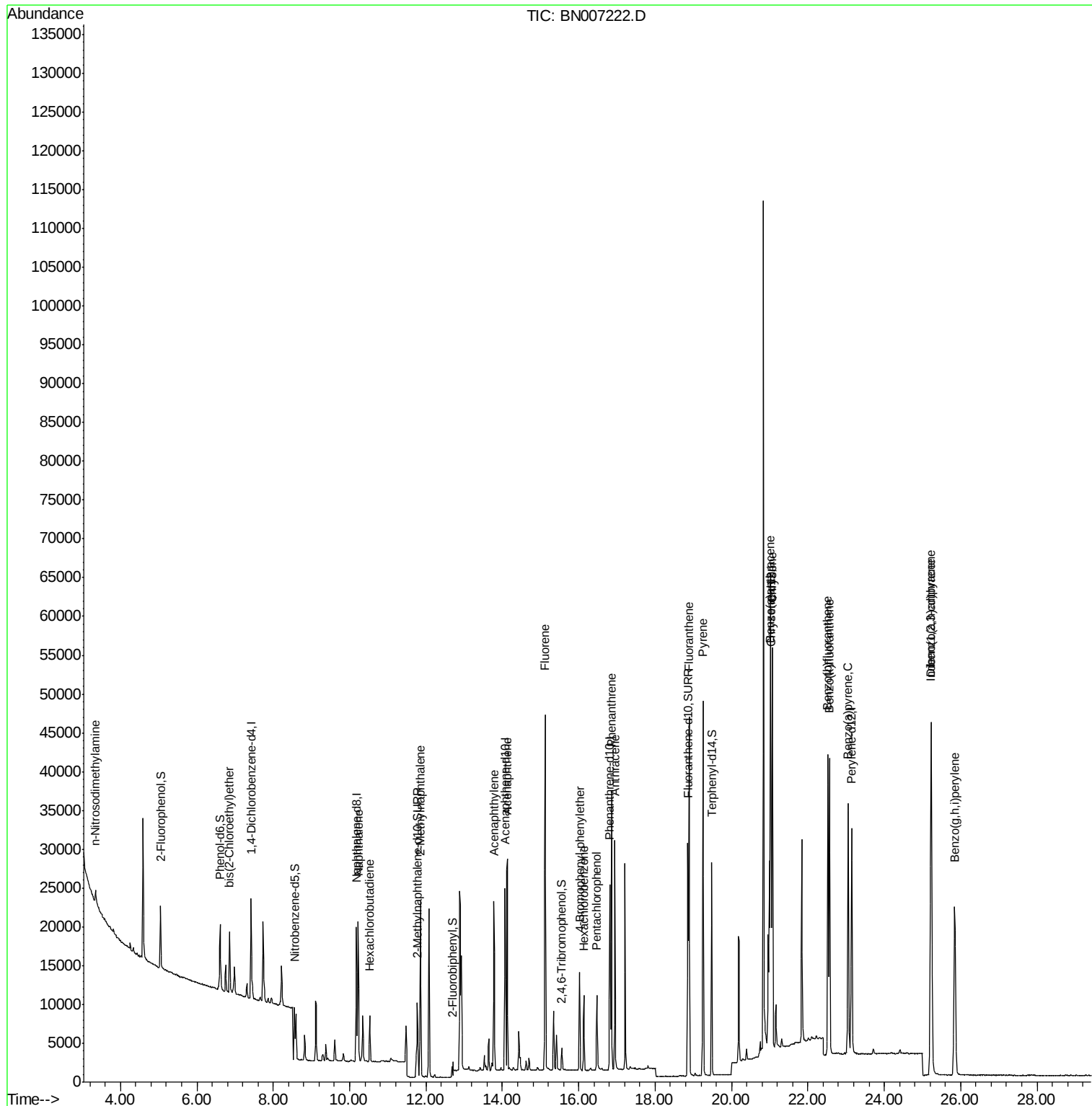
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.34	42	1617	0.391	ng	# 92
5) bis(2-Chloroethyl)ether	6.86	93	6241	0.378	ng	99
8) Naphthalene	10.23	128	22887	0.355	ng	99
9) Hexachlorobutadiene	10.53	225	4794	0.349	ng	# 99
11) 2-Methylnaphthalene	11.85	142	16478	0.361	ng	97
15) Acenaphthylene	13.78	152	25082	0.375	ng	100
16) Acenaphthene	14.13	154	15498	0.362	ng	99
17) Fluorene	15.12	166	20473	0.320	ng	99
19) 4-Bromophenyl-phenylether	16.03	248	6729	0.342	ng	# 92
20) Hexachlorobenzene	16.13	284	7056	0.373	ng	99
21) Pentachlorophenol	16.47	266	4706	0.668	ng	99
22) Phenanthrene	16.86	178	35191	0.370	ng	100
23) Anthracene	16.95	178	32830	0.377	ng	100
25) Fluoranthene	18.89	202	43558	0.358	ng	100
27) Pyrene	19.25	202	44220	0.378	ng	99
29) Benzo(a)anthracene	21.01	228	43503	0.357	ng	99
30) Chrysene	21.07	228	44693	0.377	ng	98
31) Indeno(1,2,3-cd)pyrene	25.22	276	53188	0.407	ng	99
33) Benzo(b)fluoranthene	22.52	252	45380	0.363	ng	99
34) Benzo(k)fluoranthene	22.57	252	46055	0.373	ng	99
35) Benzo(a)pyrene	23.06	252	44098	0.389	ng	99
36) Dibenzo(a,h)anthracene	25.24	278	43716	0.387	ng	99
37) Benzo(g,h,i)perylene	25.85	276	44974	0.387	ng	99

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

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.42 min Scan# 545

Delta R.T. -0.02 min

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Acq: 16 Aug 2019 14:36

Instrument :

BNA_N

ClientSampleId :

PB122289BS

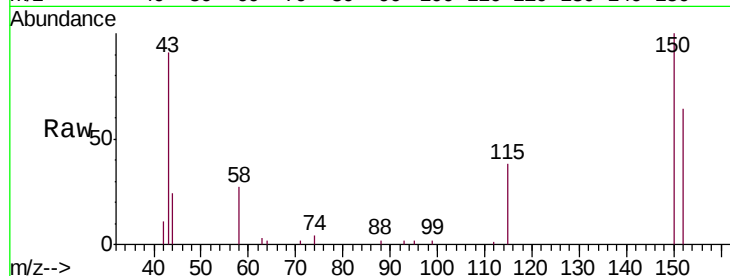
Tgt Ion:152 Resp: 6280

Ion Ratio Lower Upper

152 100

150 155.2 121.7 182.5

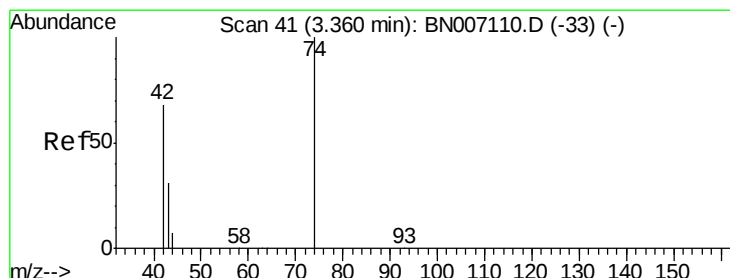
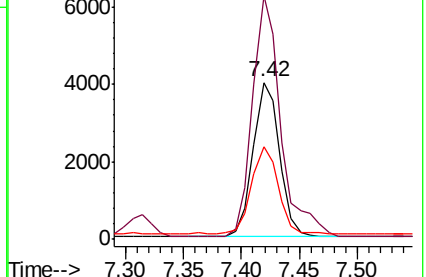
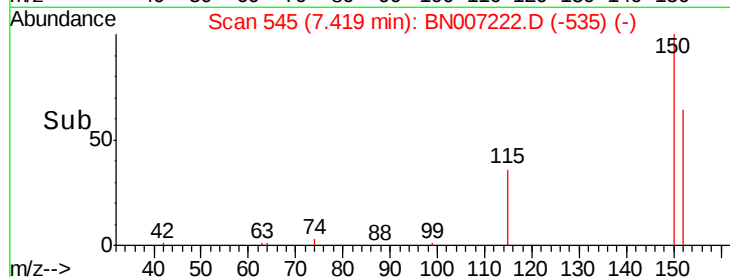
115 59.4 46.2 69.4



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



#2

n-Nitrosodimethylamine

Concen: 0.391 ng

RT: 3.34 min Scan# 39

Delta R.T. -0.02 min

Lab File: BN007222.D

Acq: 16 Aug 2019 14:36

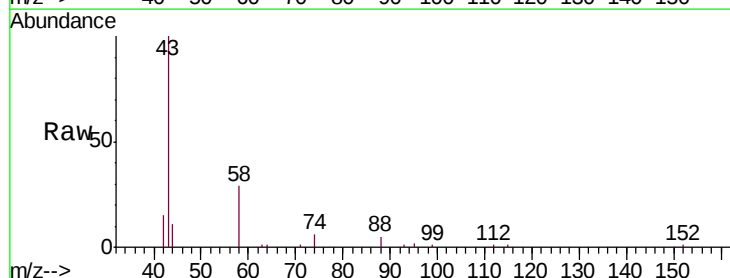
Tgt Ion: 42 Resp: 1617

Ion Ratio Lower Upper

42 100

74 148.1 110.6 166.0

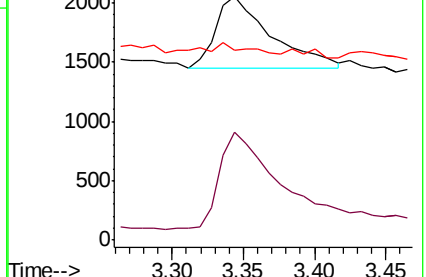
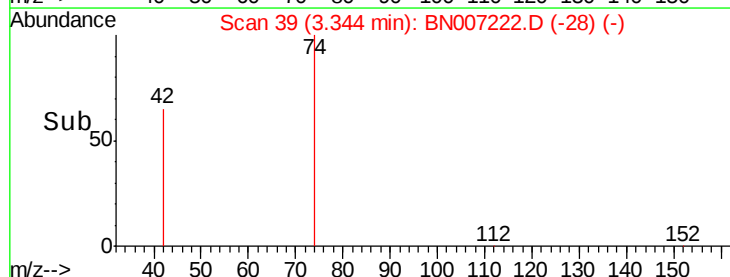
44 11.5 0.0 0.0#

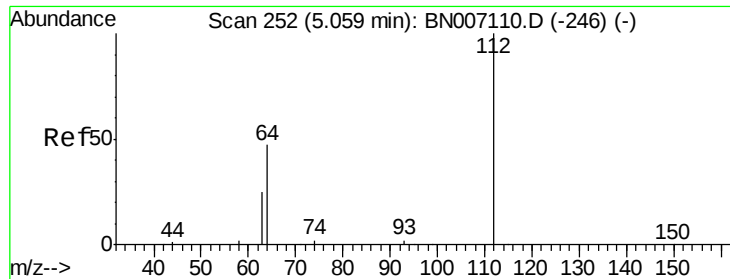


Abundance Ion 42.00 (41.70 to 42.70): BNC

Ion 74.00 (73.70 to 74.70): BNC

Ion 44.00 (43.70 to 44.70): BNC





#3

2-Fluorophenol

Concen: 0.419 ng

RT: 5.05 min Scan# 251

Delta R.T. -0.01 min

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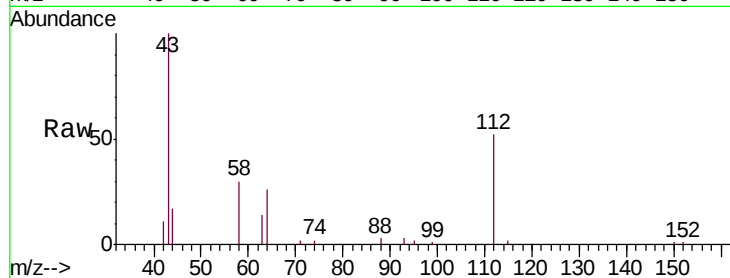
Tgt Ion: 112 Resp: 6328

Ion Ratio Lower Upper

112 100

64 51.1 42.6 63.8

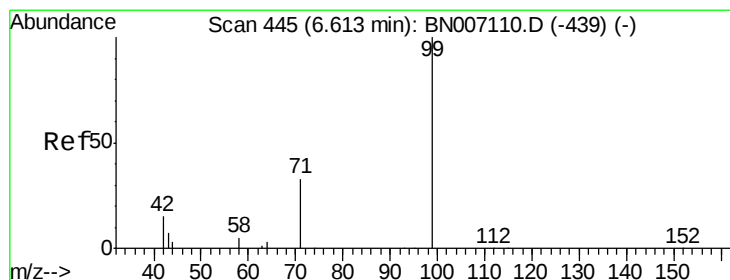
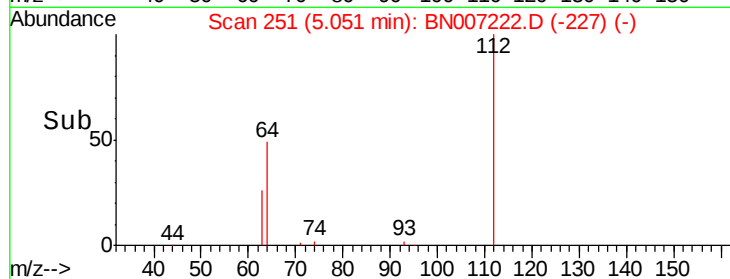
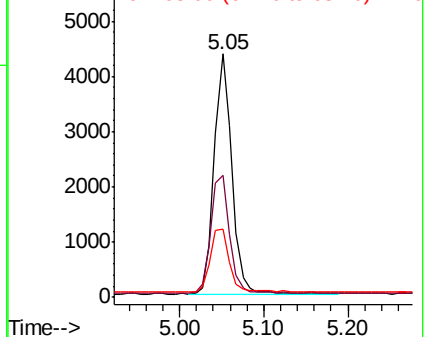
63 28.0 22.2 33.2



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BNO

Ion 63.00 (62.70 to 63.70): BNO



#4

Phenol-d6

Concen: 0.427 ng

RT: 6.61 min Scan# 444

Delta R.T. -0.01 min

Lab File: BN007222.D

Acq: 16 Aug 2019 14:36

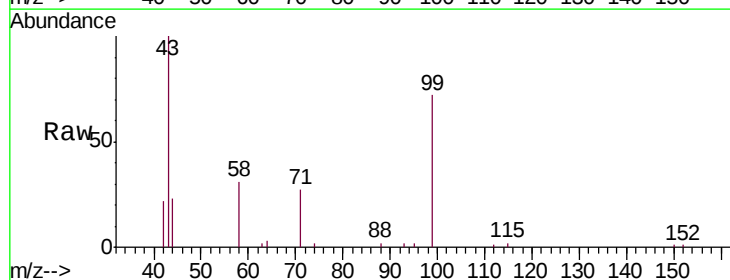
Tgt Ion: 99 Resp: 7979

Ion Ratio Lower Upper

99 100

42 17.1 15.8 23.6

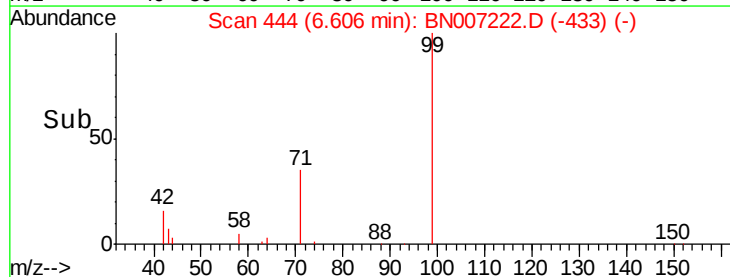
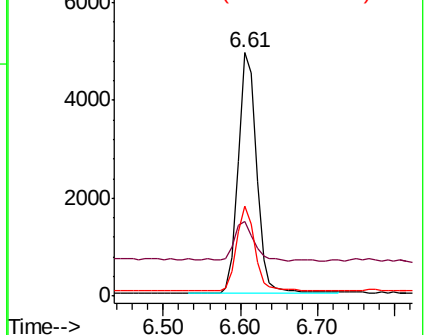
71 34.8 27.0 40.4

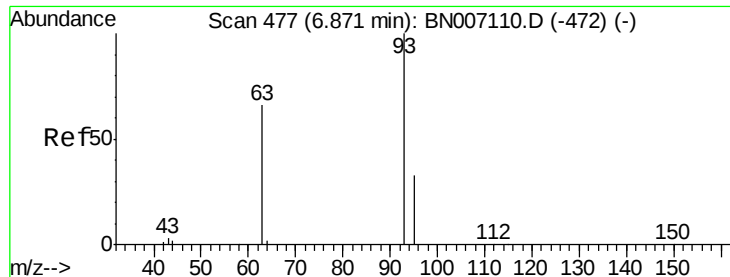


Abundance Ion 99.00 (98.70 to 99.70): BNO

Ion 42.00 (41.70 to 42.70): BNO

Ion 71.00 (70.70 to 71.70): BNO





#5

bis(2-Chloroethyl)ether

Concen: 0.378 ng

RT: 6.86 min Scan# 475

Delta R.T. -0.02 min

Lab File: BN007222.D

Acq: 16 Aug 2019 14:36

Instrument :

BNA_N

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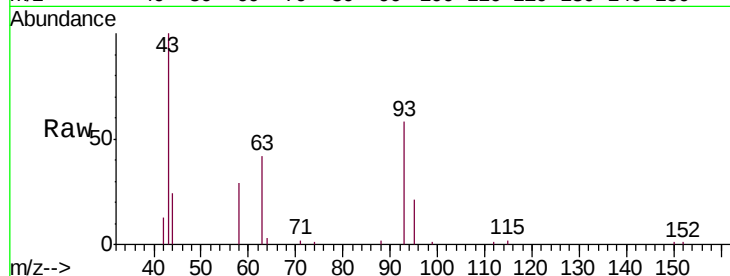
Tgt Ion: 93 Resp: 6241

Ion Ratio Lower Upper

93 100

63 68.7 55.6 83.4

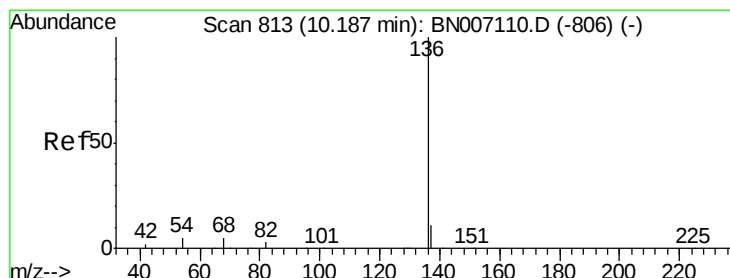
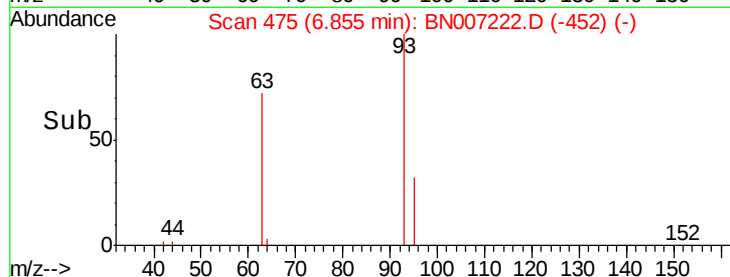
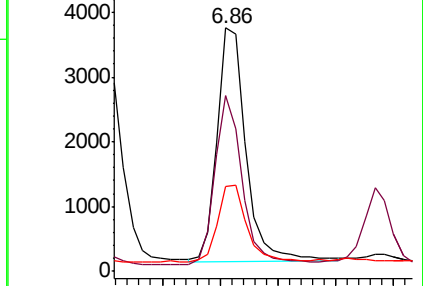
95 32.8 26.7 40.1



Abundance Ion 93.00 (92.70 to 93.70): BN007110.D (-472) (-)

Ion 63.00 (62.70 to 63.70): BN007110.D (-472) (-)

Ion 95.00 (94.70 to 95.70): BN007110.D (-472) (-)



#6

Naphthalene-d8

Concen: 0.400 ng

RT: 10.17 min Scan# 812

Delta R.T. -0.01 min

Lab File: BN007222.D

Acq: 16 Aug 2019 14:36

Tgt Ion: 136 Resp: 22993

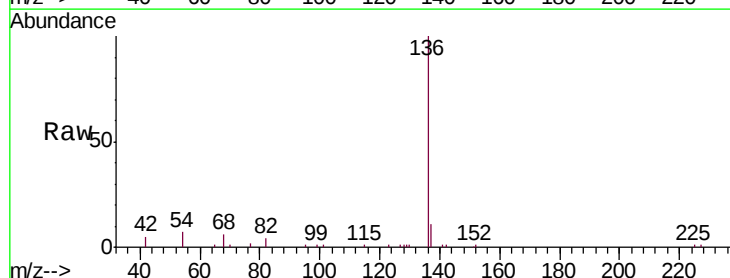
Ion Ratio Lower Upper

136 100

137 11.3 9.4 14.0

54 6.9 6.6 9.8

68 6.2 6.0 9.0

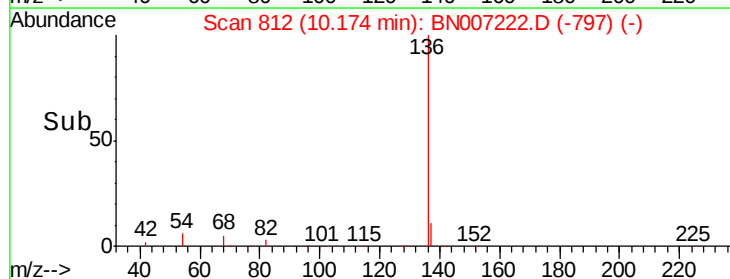
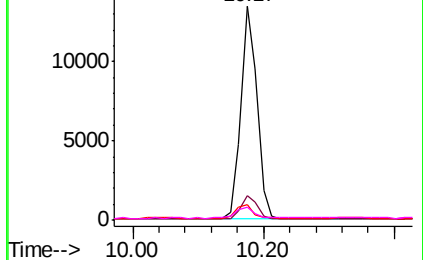


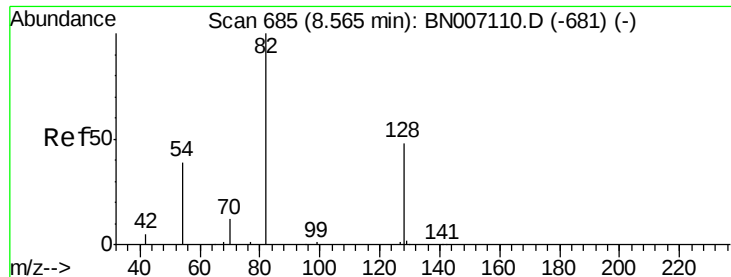
Abundance Ion 136.00 (135.70 to 136.70): BN007110.D (-806) (-)

Ion 137.00 (136.70 to 137.70): BN007110.D (-806) (-)

Ion 54.00 (53.70 to 54.70): BN007110.D (-806) (-)

Ion 68.00 (67.70 to 68.70): BN007110.D (-806) (-)





#7

Nitrobenzene-d5

Concen: 0.328 ng

RT: 8.55 min Scan# 684

Delta R.T. -0.01 min

Lab File: BN007222.D

Acq: 16 Aug 2019 14:36

Instrument :

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ClientSampleId :

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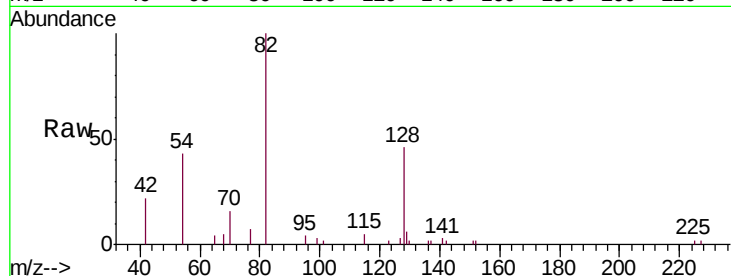
Tgt Ion: 82 Resp: 6090

Ion Ratio Lower Upper

82 100

128 45.7 34.6 51.8

54 43.4 36.2 54.4

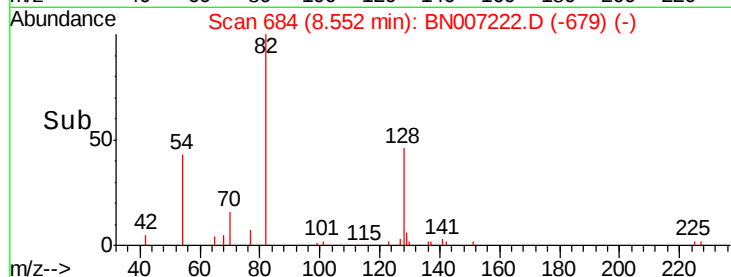


Abundance Ion 82.00 (81.70 to 82.70): BN007110.D (-681) (-)

Ion 128.00 (127.70 to 128.70): BN007110.D (-681) (-)

Ion 54.00 (53.70 to 54.70): BN007110.D (-681) (-)

Time-->

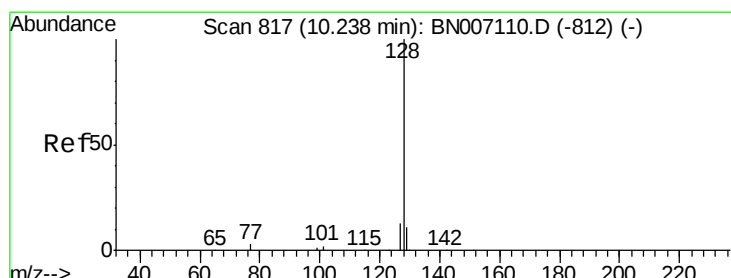


Abundance Ion 82.00 (81.70 to 82.70): BN007222.D (-679) (-)

Ion 128.00 (127.70 to 128.70): BN007222.D (-679) (-)

Ion 54.00 (53.70 to 54.70): BN007222.D (-679) (-)

Time-->



#8

Naphthalene

Concen: 0.355 ng

RT: 10.23 min Scan# 816

Delta R.T. -0.01 min

Lab File: BN007222.D

Acq: 16 Aug 2019 14:36

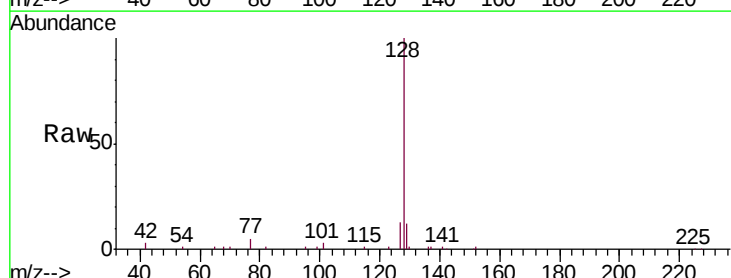
Tgt Ion: 128 Resp: 22887

Ion Ratio Lower Upper

128 100

129 11.5 9.4 14.2

127 13.5 11.0 16.6

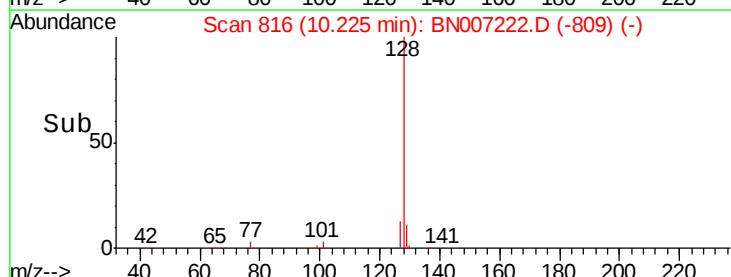


Abundance Ion 128.00 (127.70 to 128.70): BN007110.D (-812) (-)

Ion 129.00 (128.70 to 129.70): BN007110.D (-812) (-)

Ion 127.00 (126.70 to 127.70): BN007110.D (-812) (-)

Time-->

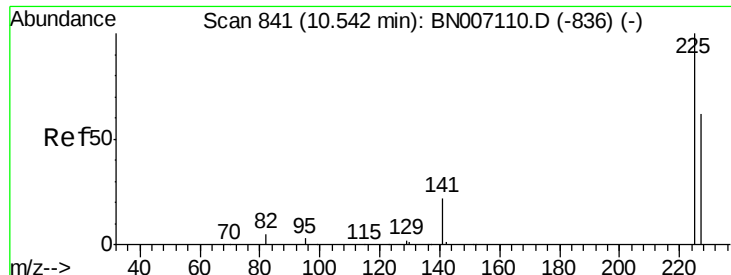


Abundance Ion 128.00 (127.70 to 128.70): BN007222.D (-809) (-)

Ion 129.00 (128.70 to 129.70): BN007222.D (-809) (-)

Ion 127.00 (126.70 to 127.70): BN007222.D (-809) (-)

Time-->



#9

Hexachlorobutadiene

Concen: 0.349 ng

RT: 10.53 min Scan# 840

Delta R.T. -0.03 min

Lab File: BN007222.D

Acq: 16 Aug 2019 14:36

Instrument :

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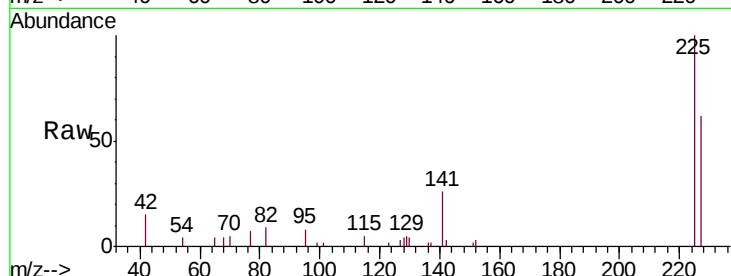
Tgt Ion:225 Resp: 4794

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

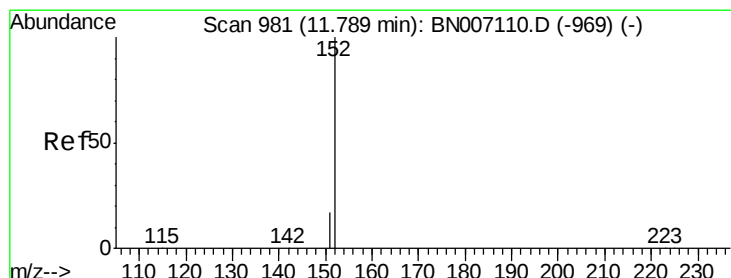
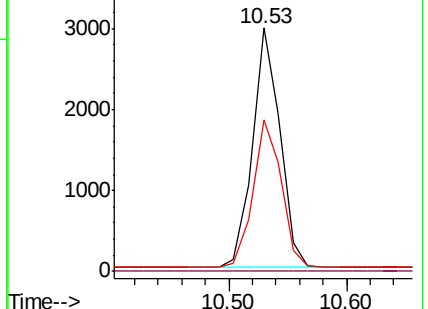
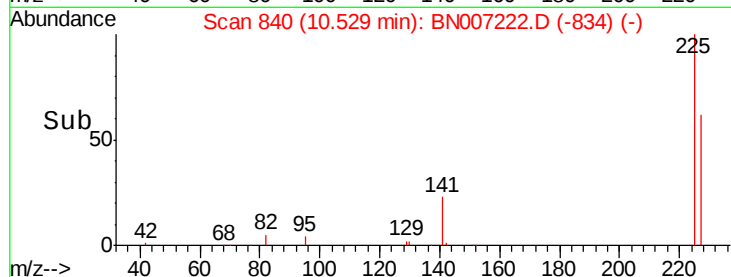
227 63.3 51.1 76.7



Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E



#10

2-Methylnaphthalene-d10

Concen: 0.423 ng

RT: 11.78 min Scan# 978

Delta R.T. -0.02 min

Lab File: BN007222.D

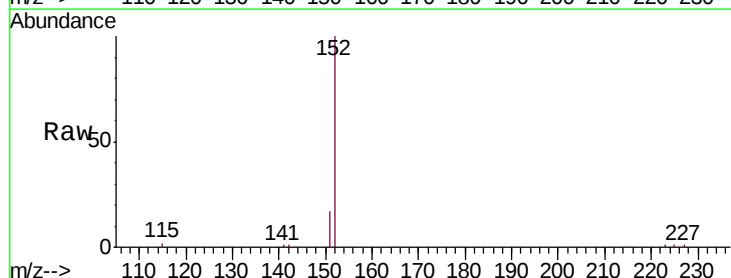
Acq: 16 Aug 2019 14:36

Tgt Ion:152 Resp: 18156

Ion Ratio Lower Upper

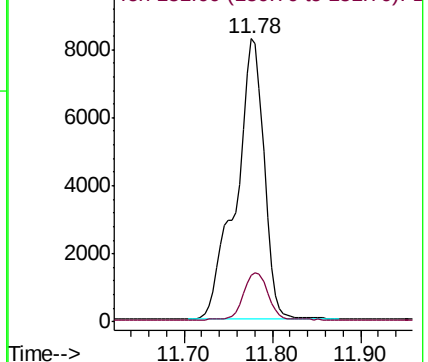
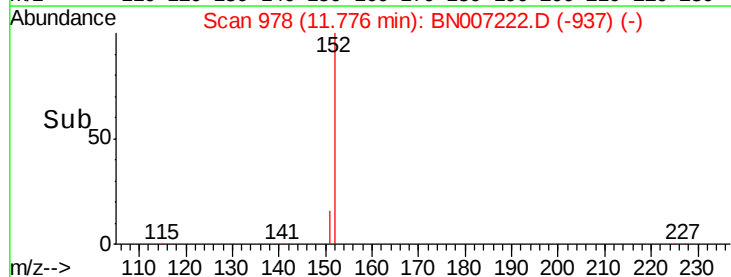
152 100

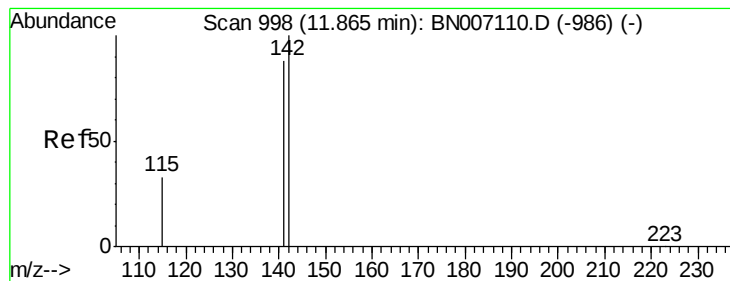
151 14.5 15.5 23.3#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#11

2-Methylnaphthalene

Concen: 0.361 ng

RT: 11.85 min Scan# 995

Delta R.T. -0.02 min

Lab File: BN007222.D

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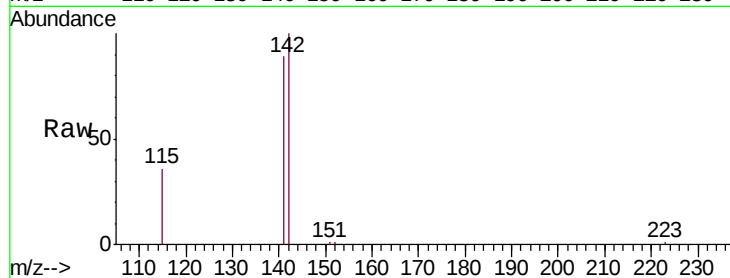
Tgt Ion:142 Resp: 16478

Ion Ratio Lower Upper

142 100

141 88.5 69.0 103.6

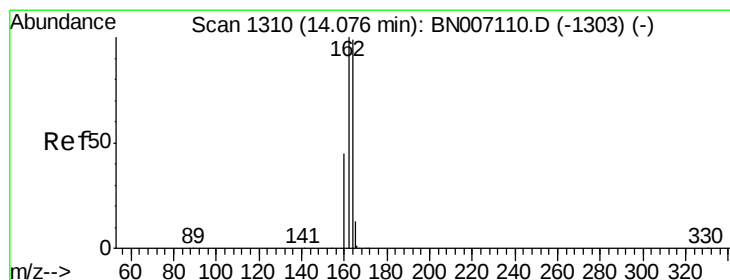
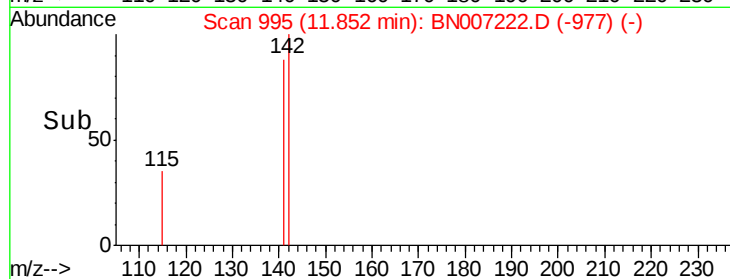
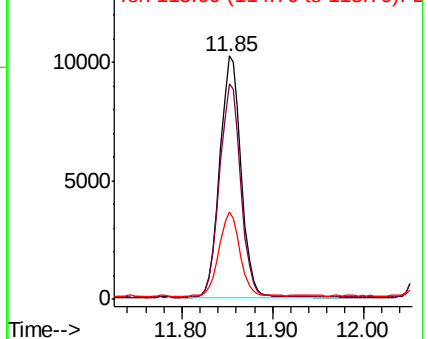
115 35.7 27.1 40.7



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#12

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.07 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BN007222.D

Acq: 16 Aug 2019 14:36

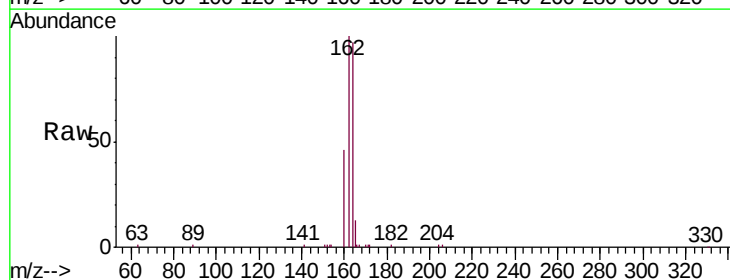
Tgt Ion:164 Resp: 12784

Ion Ratio Lower Upper

164 100

162 103.3 82.2 123.4

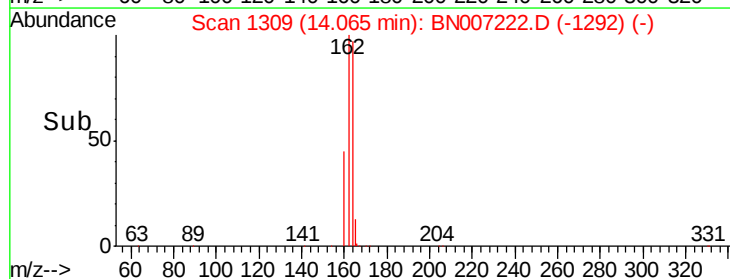
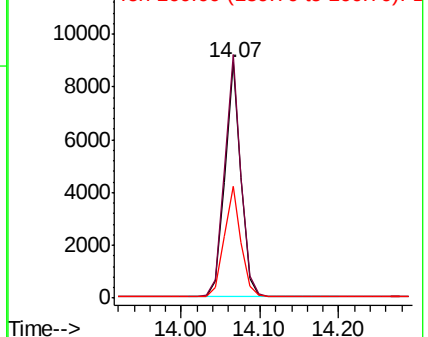
160 47.2 38.3 57.5

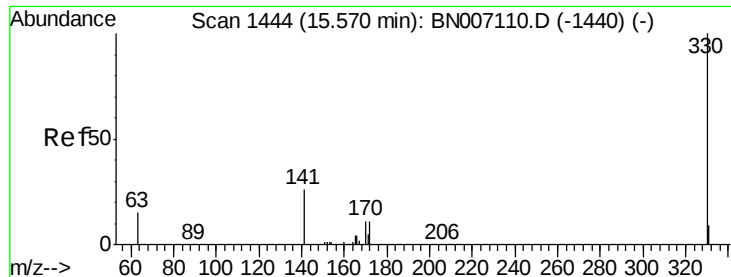


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

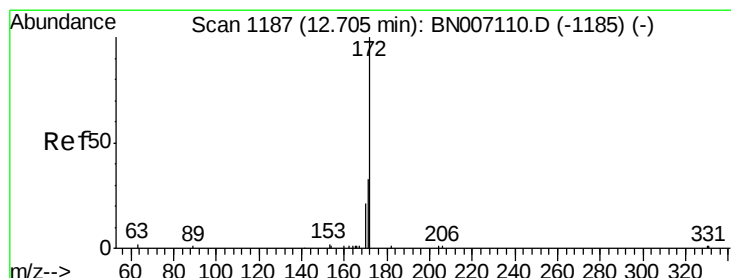
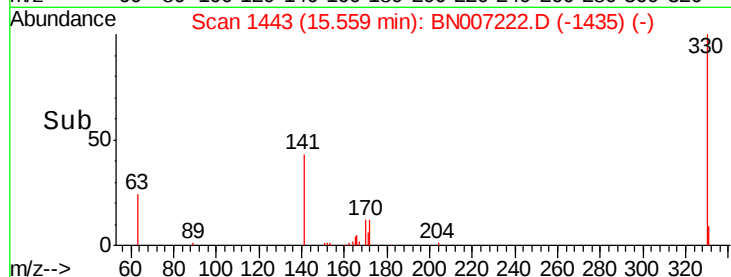
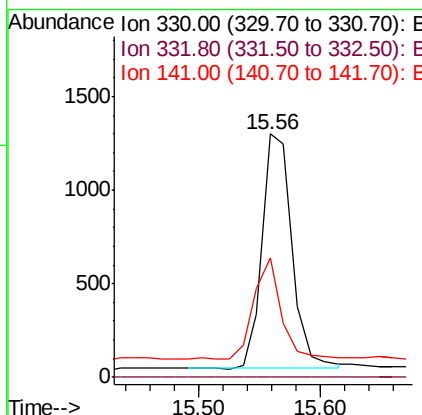
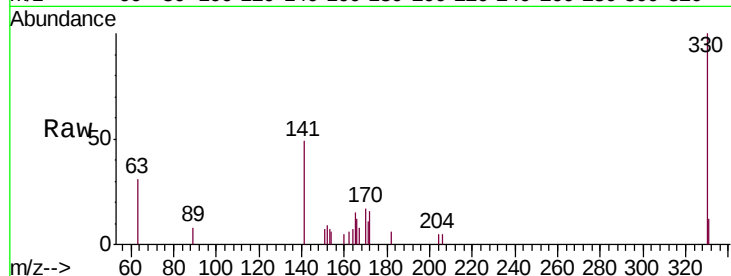




#13
 2,4,6-Tribromophenol
 Concen: 0.313 ng
 RT: 15.56 min Scan# 1443
 Delta R.T. -0.01 min
 Lab File: BN007222.D
 Acq: 16 Aug 2019 14:36

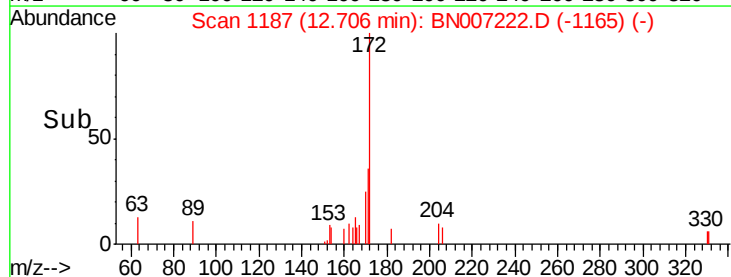
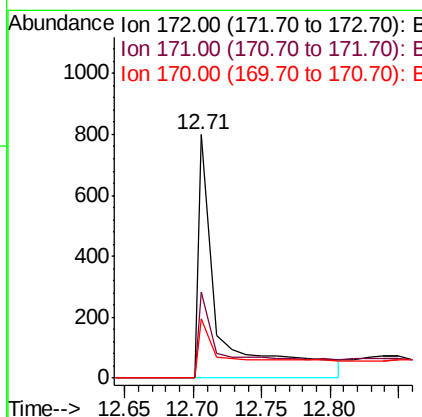
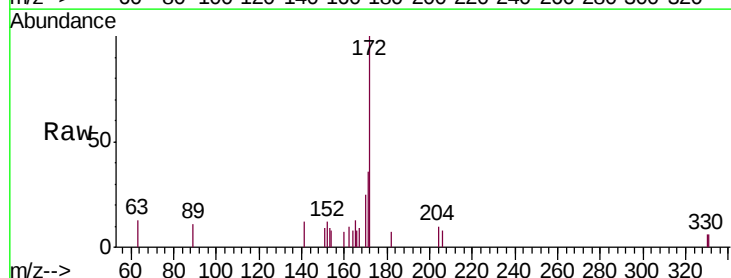
Instrument :
 BNA_N
 ClientSampleId :
 PB122289BS

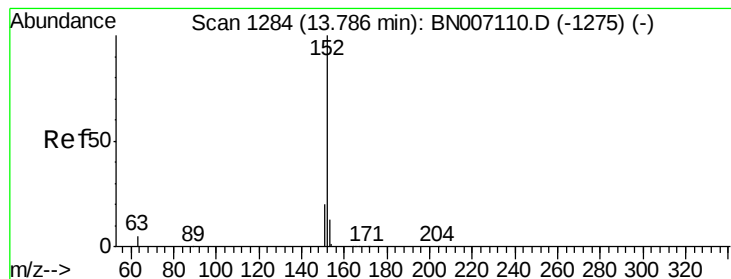
Tgt Ion: 330 Resp: 2153
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 40.1 33.6 50.4



#14
 2-Fluorobiphenyl
 Concen: 0.048 ng
 RT: 12.71 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: BN007222.D
 Acq: 16 Aug 2019 14:36

Tgt Ion: 172 Resp: 899
 Ion Ratio Lower Upper
 172 100
 171 35.5 26.3 39.5
 170 24.5 17.0 25.4





#15

Acenaphthylene

Concen: 0.375 ng

RT: 13.78 min Scan# 1283

Delta R.T. -0.01 min

Lab File: BN007222.D

Acq: 16 Aug 2019 14:36

Instrument :

BNA_N

ClientSampleId :

PB122289BS

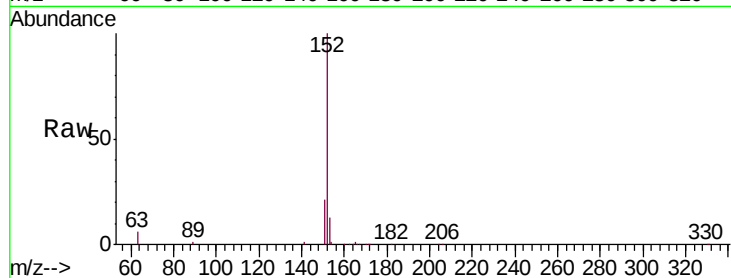
Tgt Ion:152 Resp: 25082

Ion Ratio Lower Upper

152 100

151 19.5 15.8 23.6

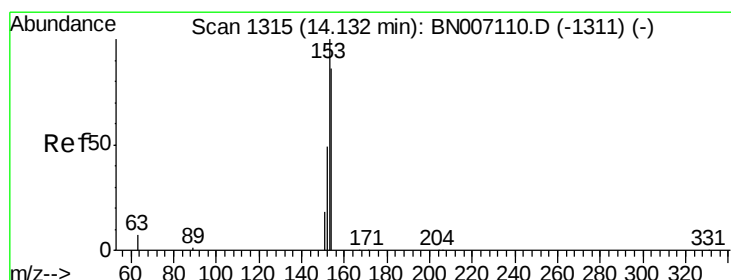
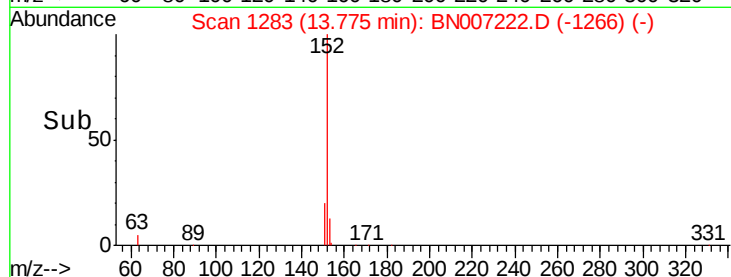
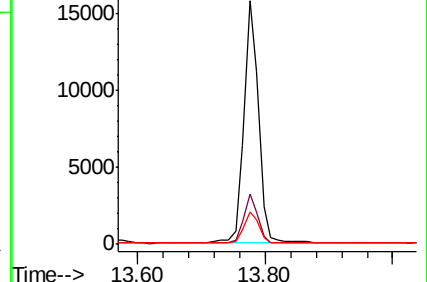
153 13.2 10.4 15.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#16

Acenaphthene

Concen: 0.362 ng

RT: 14.13 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BN007222.D

Acq: 16 Aug 2019 14:36

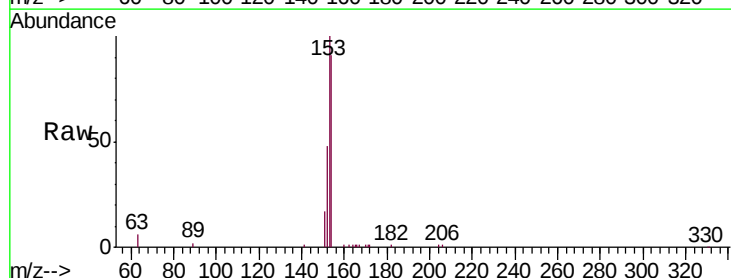
Tgt Ion:154 Resp: 15498

Ion Ratio Lower Upper

154 100

153 111.3 89.5 134.3

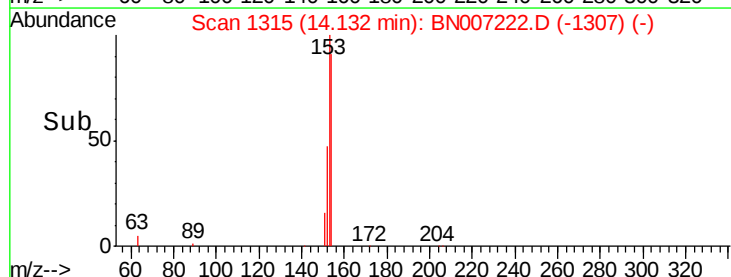
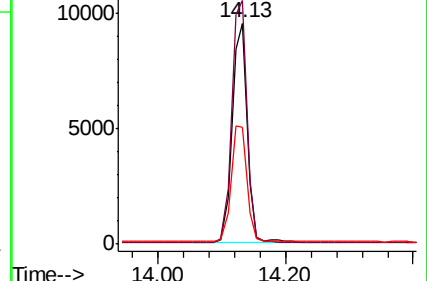
152 55.2 44.8 67.2

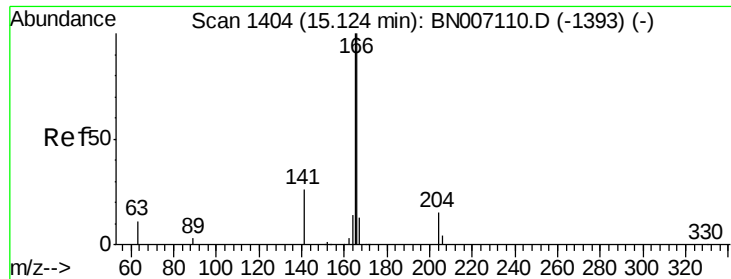


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

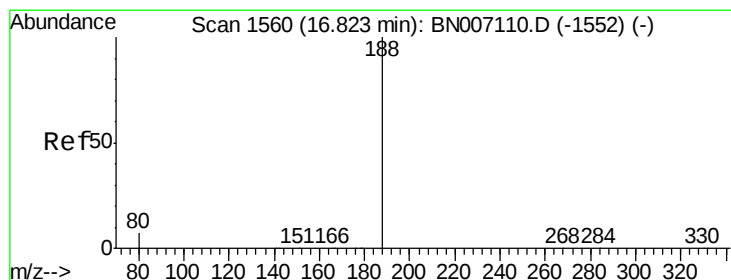
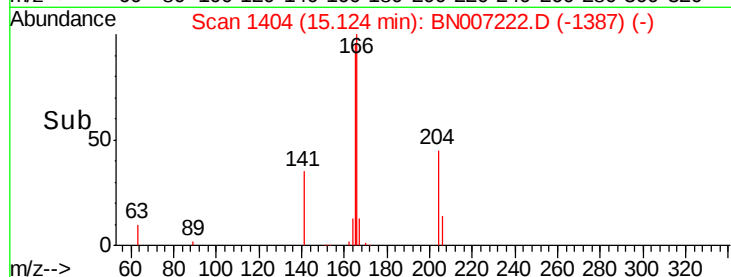
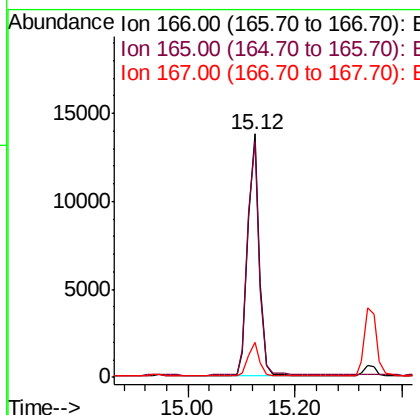
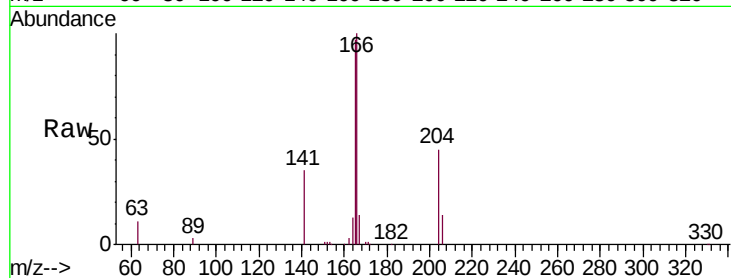




#17
Fluorene
 Concen: 0.320 ng
 RT: 15.12 min Scan# 1404
 Delta R.T. -0.01 min
 Lab File: BN007222.D
 Acq: 16 Aug 2019 14:36

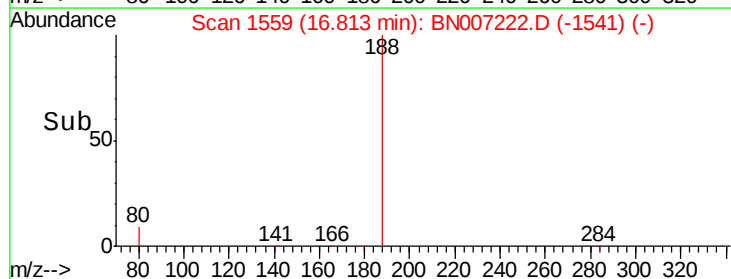
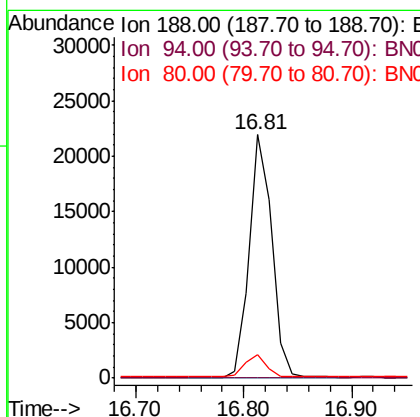
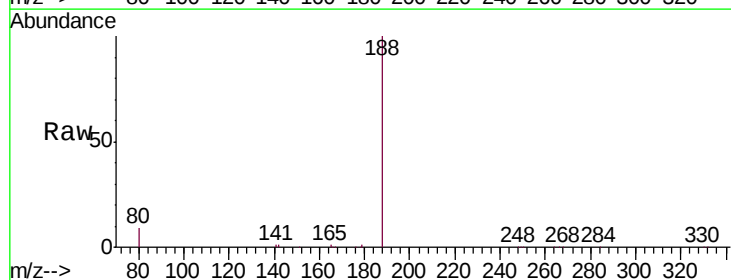
Instrument :
 BNA_N
 ClientSampleId :
 PB122289BS

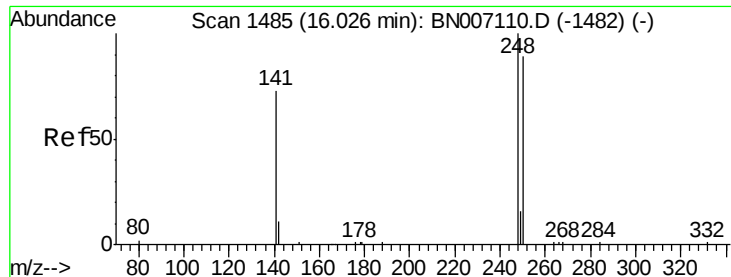
Tgt Ion:166 Resp: 20473
 Ion Ratio Lower Upper
 166 100
 165 98.3 77.9 116.9
 167 13.3 10.9 16.3



#18
Phenanthrene-d10
 Concen: 0.400 ng
 RT: 16.81 min Scan# 1559
 Delta R.T. -0.01 min
 Lab File: BN007222.D
 Acq: 16 Aug 2019 14:36

Tgt Ion:188 Resp: 31778
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 9.4 7.8 11.6





#19

4-Bromophenyl-phenylether

Concen: 0.342 ng

RT: 16.03 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BN007222.D

Acq: 16 Aug 2019 14:36

Instrument :

BNA_N

ClientSampleId :

PB122289BS

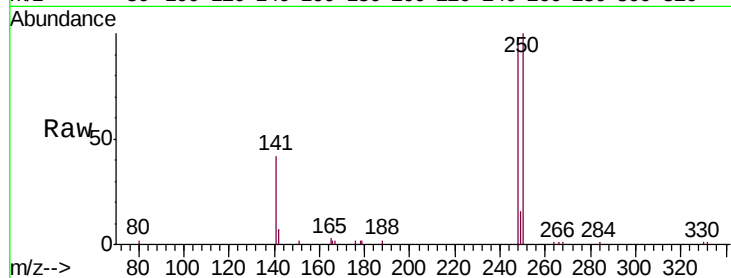
Tgt Ion:248 Resp: 6729

Ion Ratio Lower Upper

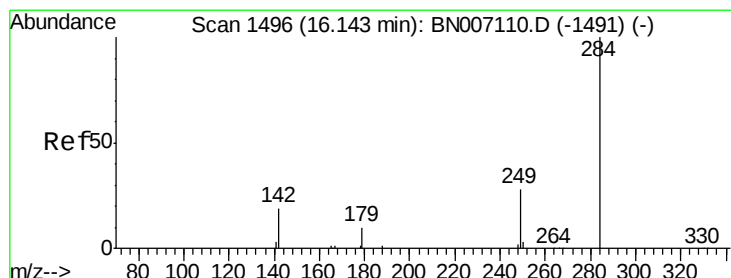
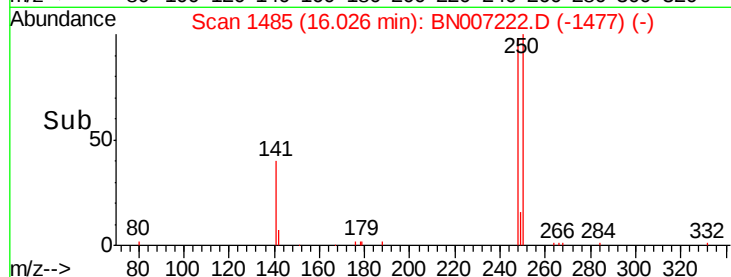
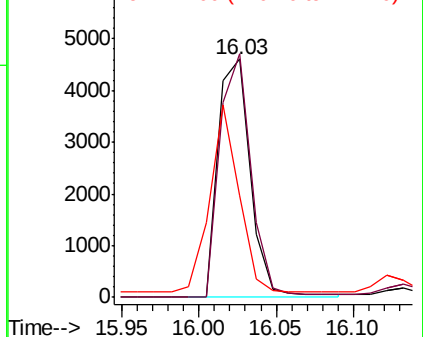
248 100

250 102.1 78.9 118.3

141 42.5 43.3 64.9#



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



#20

Hexachlorobenzene

Concen: 0.373 ng

RT: 16.13 min Scan# 1495

Delta R.T. -0.01 min

Lab File: BN007222.D

Acq: 16 Aug 2019 14:36

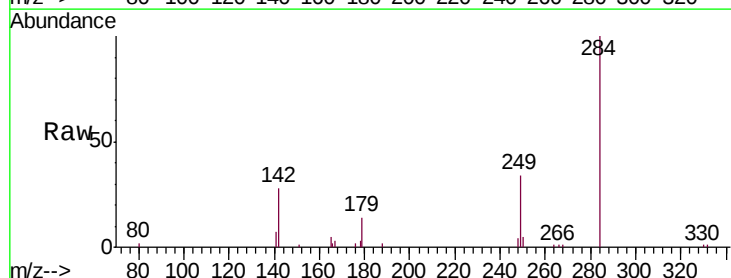
Tgt Ion:284 Resp: 7056

Ion Ratio Lower Upper

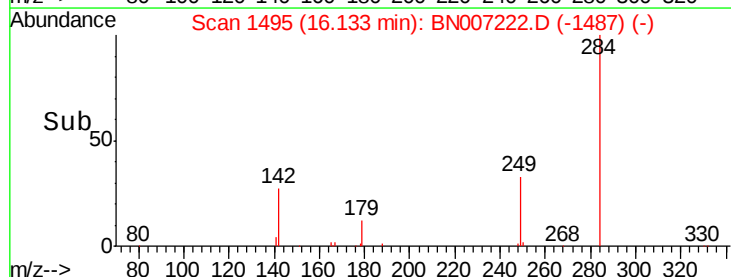
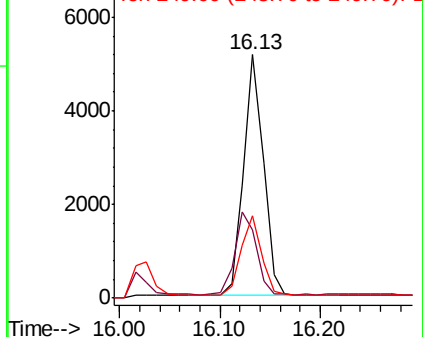
284 100

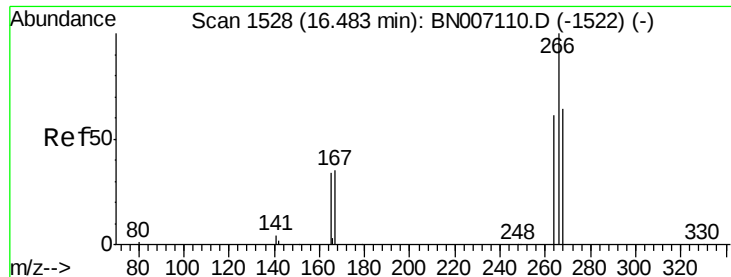
142 36.8 30.5 45.7

249 33.5 26.7 40.1



Abundance Ion 283.80 (283.50 to 284.50): E
Ion 142.00 (141.70 to 142.70): E
Ion 249.00 (248.70 to 249.70): E

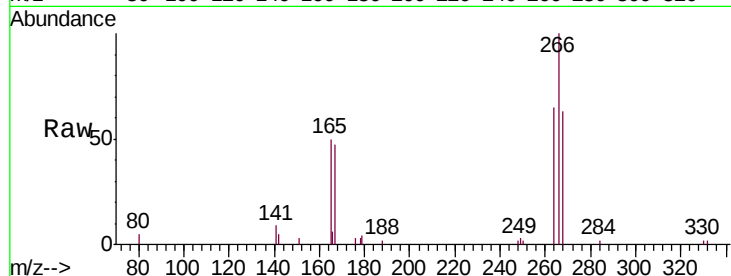




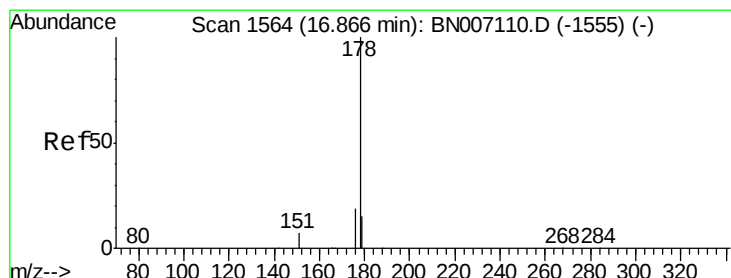
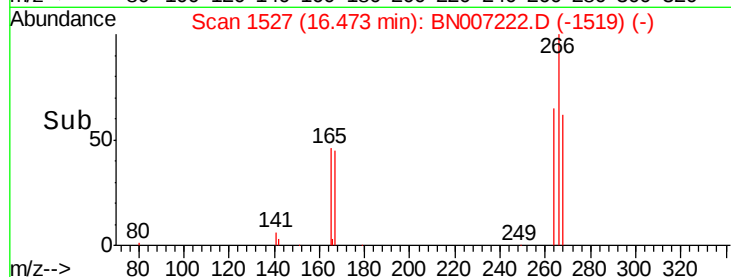
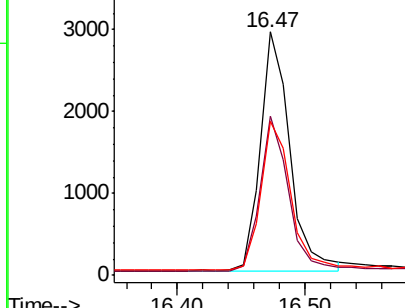
#21
 Pentachlorophenol
 Concen: 0.668 ng
 RT: 16.47 min Scan# 1527
 Delta R.T. -0.01 min
 Lab File: BN007222.D
 Acq: 16 Aug 2019 14:36

Instrument :
 BNA_N
 ClientSampleId :
 PB122289BS

Tgt Ion:	266	Resp:	4706
Ion	Ratio	Lower	Upper
266	100		
264	65.3	52.3	78.5
268	63.3	51.5	77.3

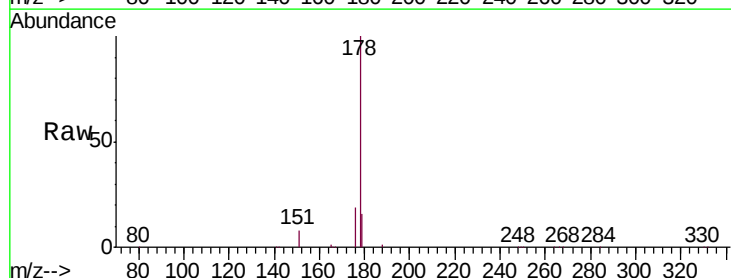


Abundance Ion 266.00 (265.70 to 266.70): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

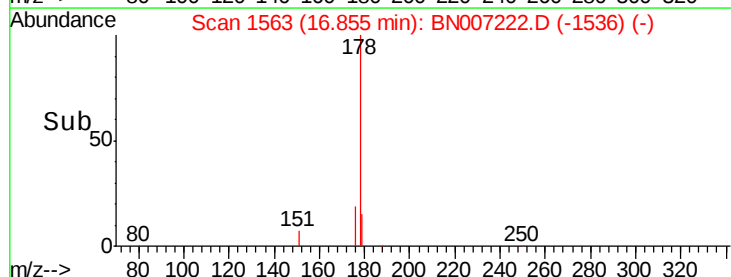
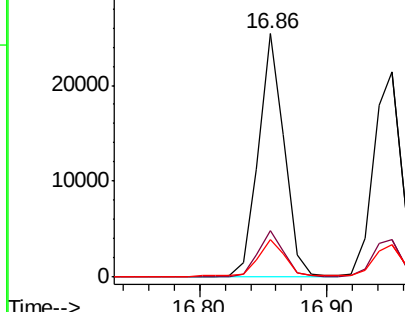


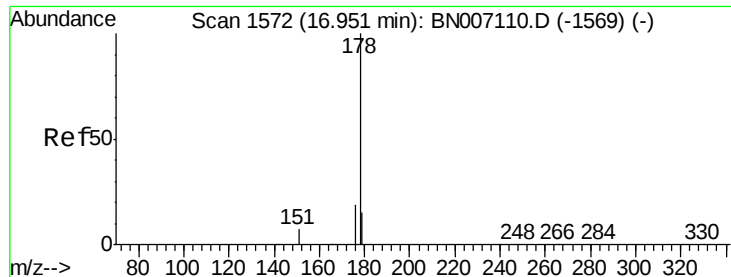
#22
 Phenanthrene
 Concen: 0.370 ng
 RT: 16.86 min Scan# 1563
 Delta R.T. -0.01 min
 Lab File: BN007222.D
 Acq: 16 Aug 2019 14:36

Tgt Ion:	178	Resp:	35191
Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.2	22.8
179	15.3	12.3	18.5



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





#23

Anthracene

Concen: 0.377 ng

RT: 16.95 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BN007222.D

Acq: 16 Aug 2019 14:36

Instrument :

BNA_N

ClientSampleId :

PB122289BS

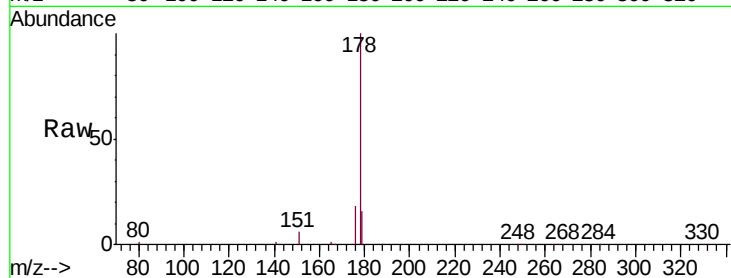
Tgt Ion:178 Resp: 32830

Ion Ratio Lower Upper

178 100

176 18.1 14.6 21.8

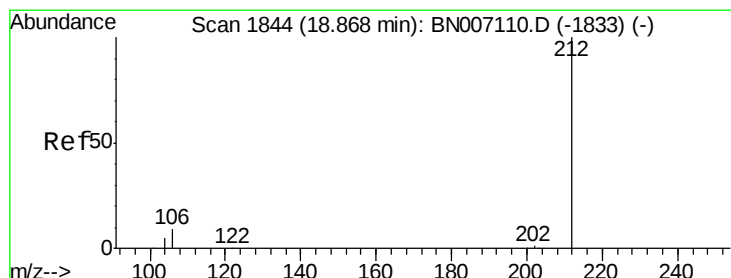
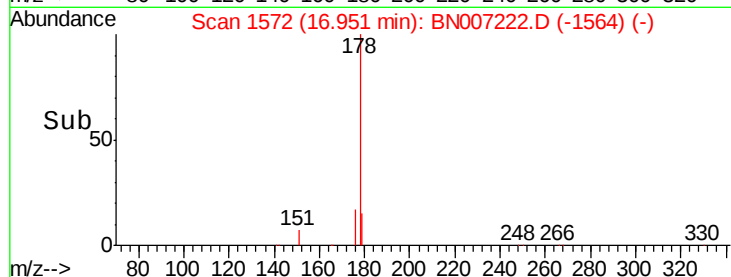
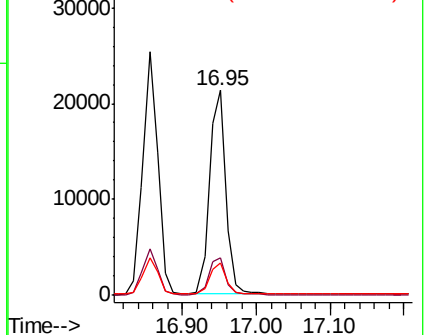
179 15.5 12.5 18.7



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



#24

Fluoranthene-d10

Concen: 0.311 ng

RT: 18.86 min Scan# 1842

Delta R.T. -0.01 min

Lab File: BN007222.D

Acq: 16 Aug 2019 14:36

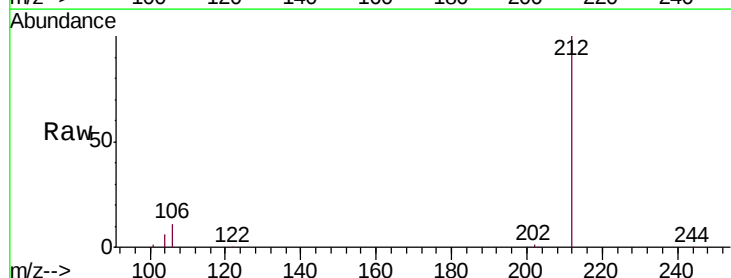
Tgt Ion:212 Resp: 35098

Ion Ratio Lower Upper

212 100

106 10.5 8.2 12.2

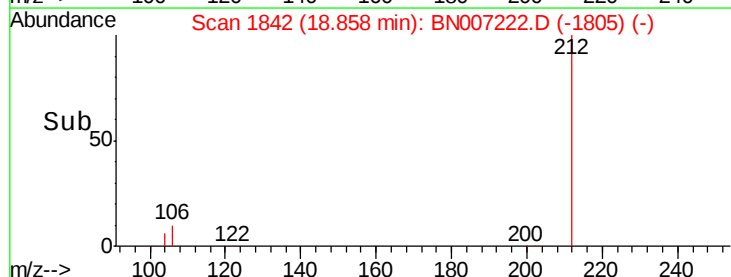
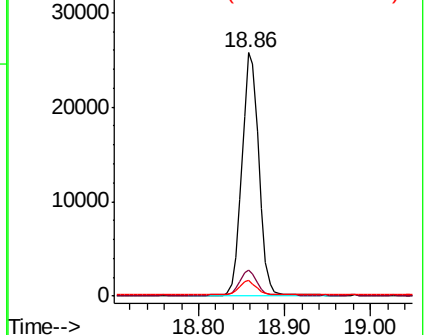
104 5.8 4.5 6.7

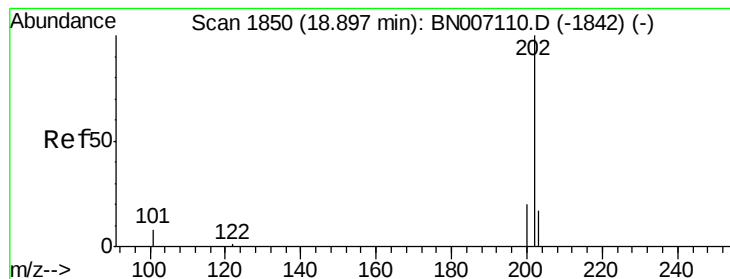


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#25

Fluoranthene

Concen: 0.358 ng

RT: 18.89 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BN007222.D

Acq: 16 Aug 2019 14:36

Instrument :

BNA_N

ClientSampleId :

PB122289BS

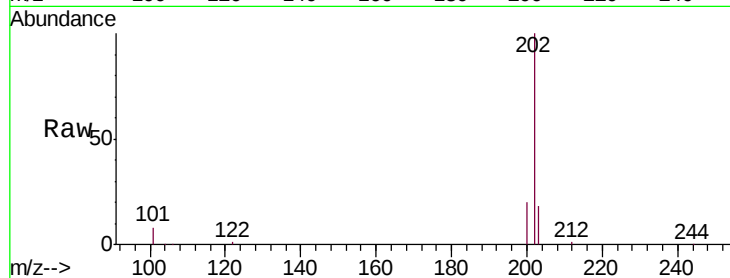
Tgt Ion:202 Resp: 43558

Ion Ratio Lower Upper

202 100

101 8.9 7.0 10.4

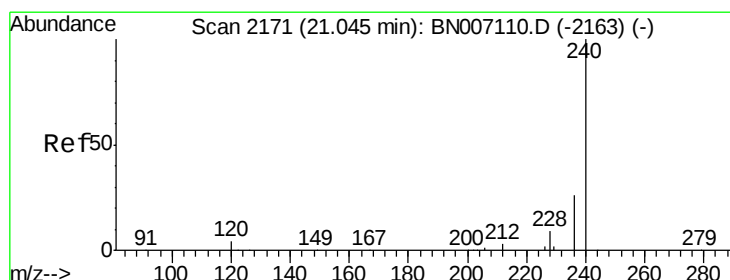
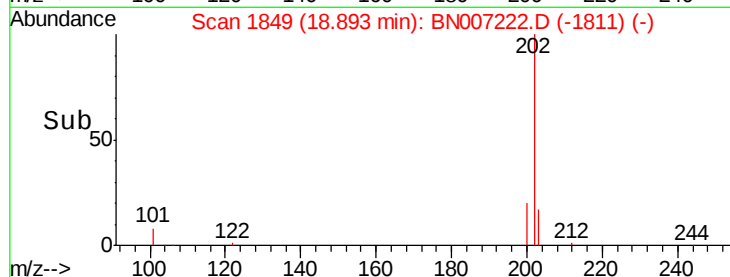
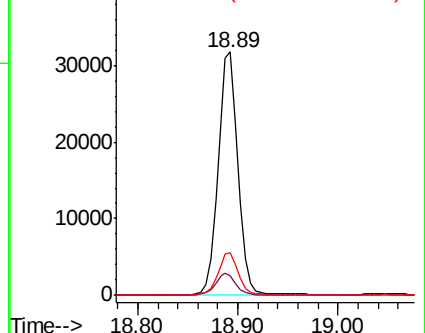
203 17.2 13.8 20.8



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



#26

Chrysene-d12

Concen: 0.400 ng

RT: 21.03 min Scan# 2170

Delta R.T. -0.02 min

Lab File: BN007222.D

Acq: 16 Aug 2019 14:36

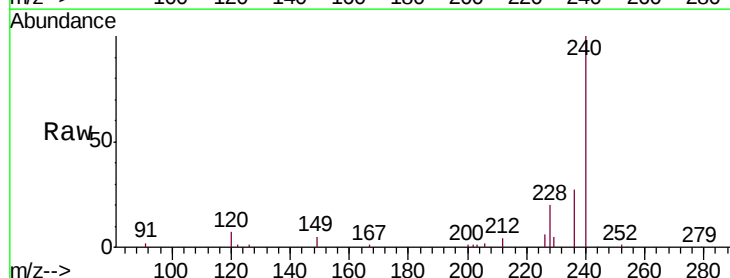
Tgt Ion:240 Resp: 33331

Ion Ratio Lower Upper

240 100

120 7.1 4.0 6.0#

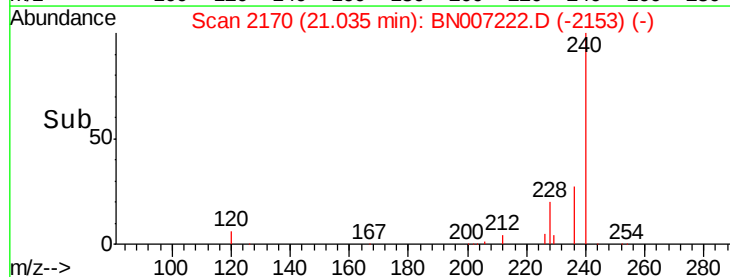
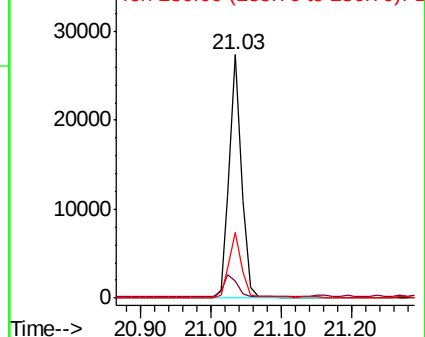
236 26.9 21.3 31.9

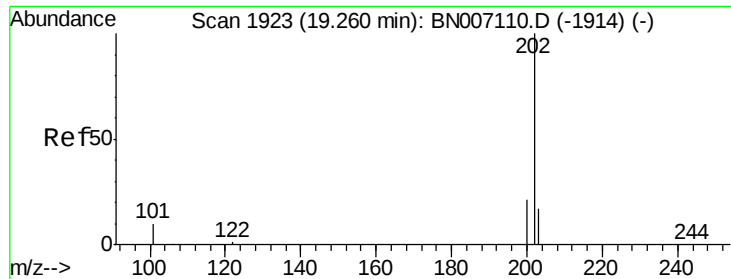


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

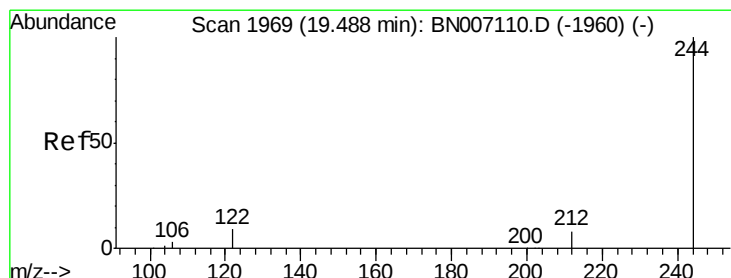
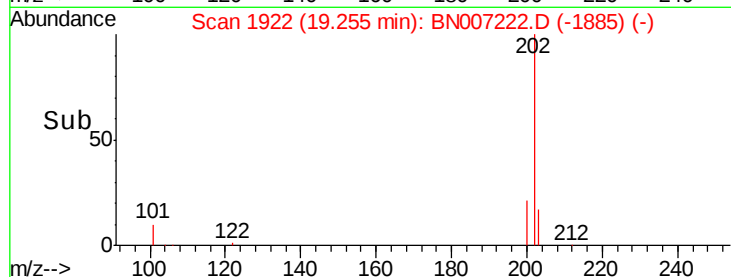
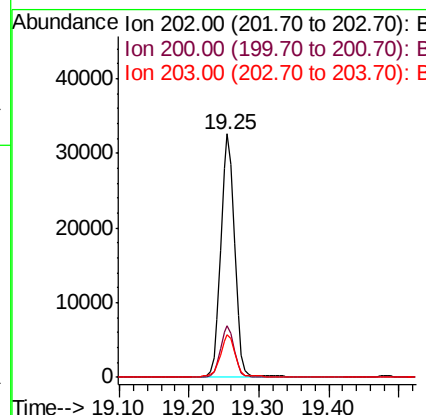
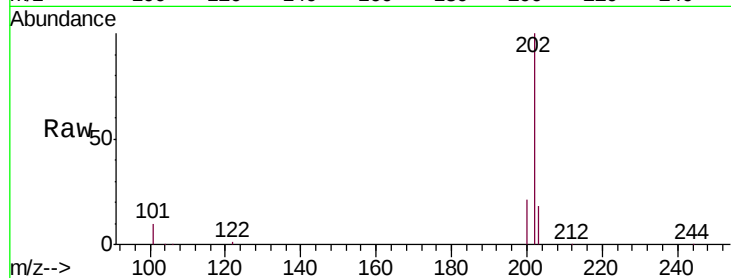




#27
 Pyrene
 Concen: 0.378 ng
 RT: 19.25 min Scan# 1922
 Delta R.T. -0.01 min
 Lab File: BN007222.D
 Acq: 16 Aug 2019 14:36

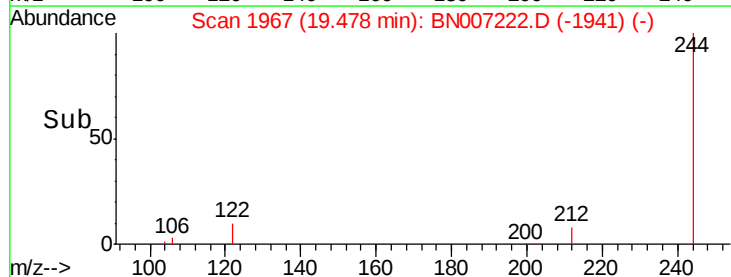
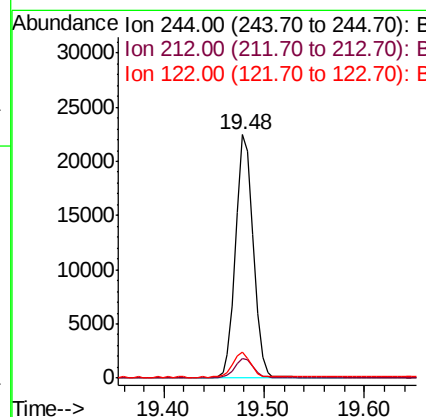
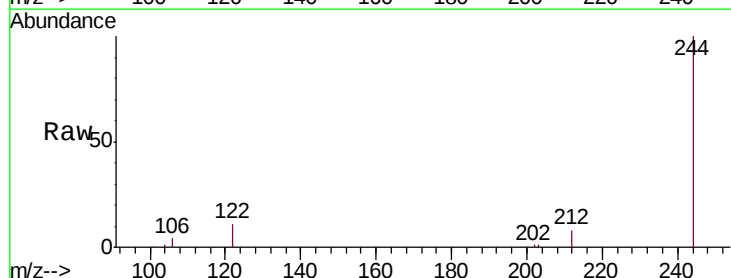
Instrument :
 BNA_N
 ClientSampleId :
 PB122289BS

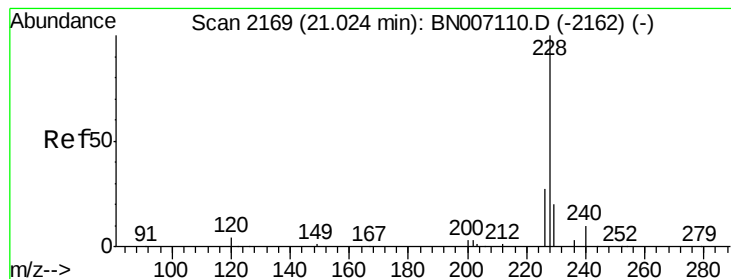
Tgt Ion:202 Resp: 44220
 Ion Ratio Lower Upper
 202 100
 200 20.9 16.6 24.8
 203 18.0 14.0 21.0



#28
 Terphenyl-d14
 Concen: 0.295 ng
 RT: 19.48 min Scan# 1967
 Delta R.T. -0.02 min
 Lab File: BN007222.D
 Acq: 16 Aug 2019 14:36

Tgt Ion:244 Resp: 26793
 Ion Ratio Lower Upper
 244 100
 212 8.0 6.2 9.2
 122 10.6 7.4 11.2





#29

Benzo(a)anthracene

Concen: 0.357 ng

RT: 21.01 min Scan# 2168

Delta R.T. -0.02 min

Lab File: BN007222.D

Acq: 16 Aug 2019 14:36

Instrument :

BNA_N

ClientSampleId :

PB122289BS

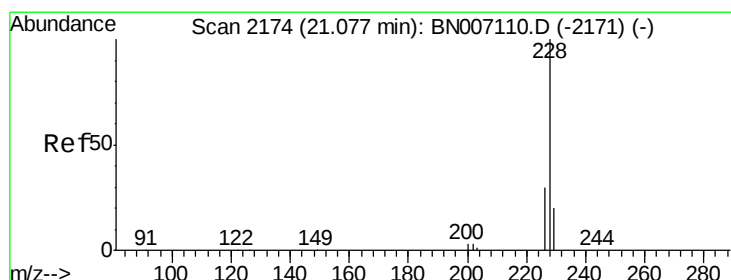
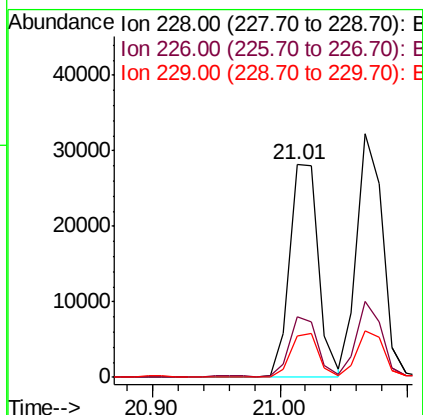
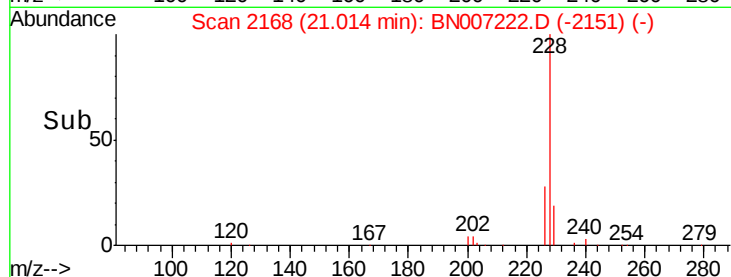
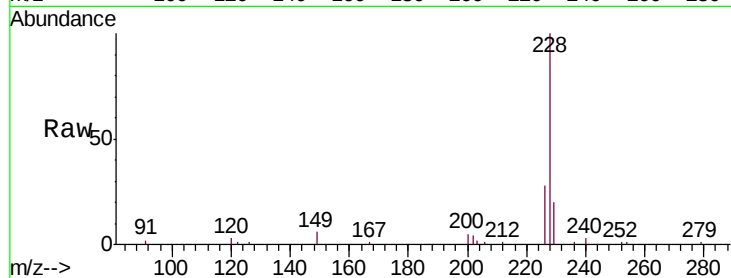
Tgt Ion:228 Resp: 43503

Ion Ratio Lower Upper

228 100

226 28.2 21.8 32.6

229 19.6 15.6 23.4



#30

Chrysene

Concen: 0.377 ng

RT: 21.07 min Scan# 2173

Delta R.T. -0.02 min

Lab File: BN007222.D

Acq: 16 Aug 2019 14:36

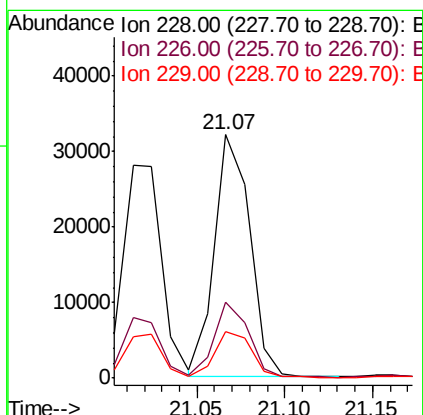
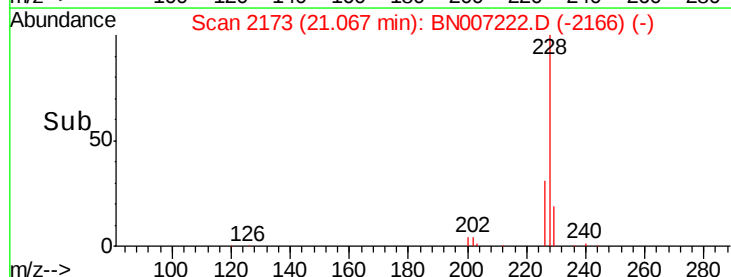
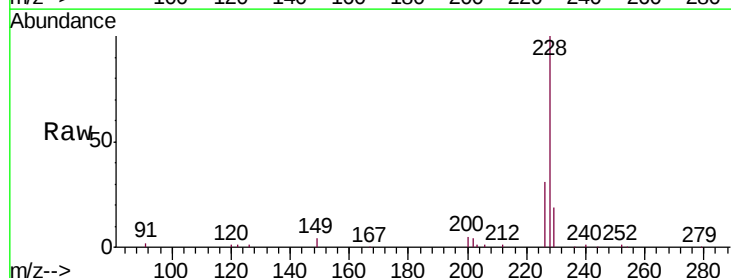
Tgt Ion:228 Resp: 44693

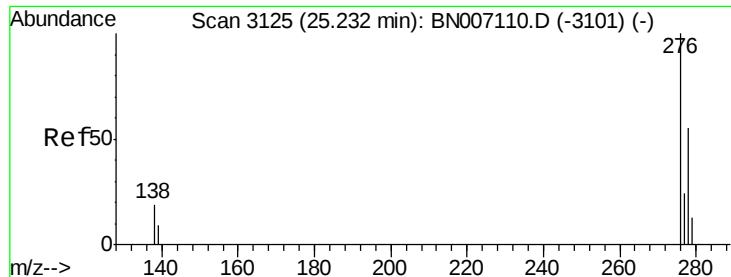
Ion Ratio Lower Upper

228 100

226 31.0 23.8 35.6

229 19.1 15.7 23.5





#31

Indeno(1,2,3-cd)pyrene

Concen: 0.407 ng

RT: 25.22 min Scan# 3121

Delta R.T. -0.03 min

Lab File: BN007222.D

Acq: 16 Aug 2019 14:36

Instrument :

BNA_N

ClientSampleId :

PB122289BS

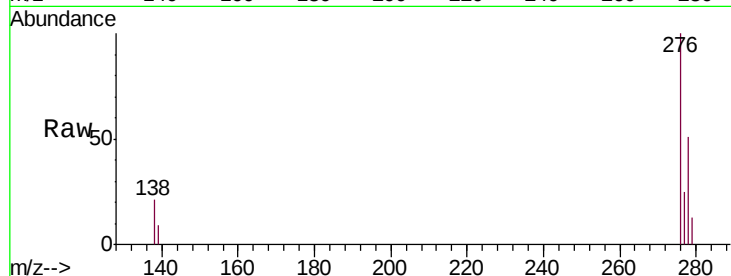
Tgt Ion:276 Resp: 53188

Ion Ratio Lower Upper

276 100

138 21.4 16.0 24.0

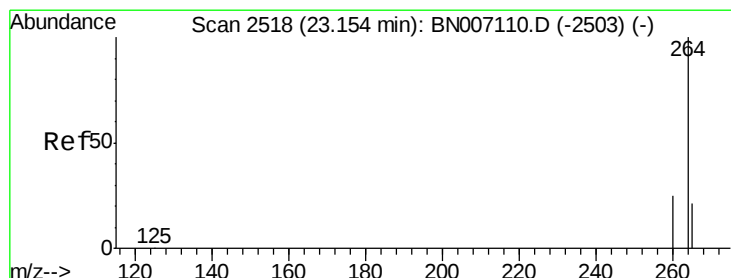
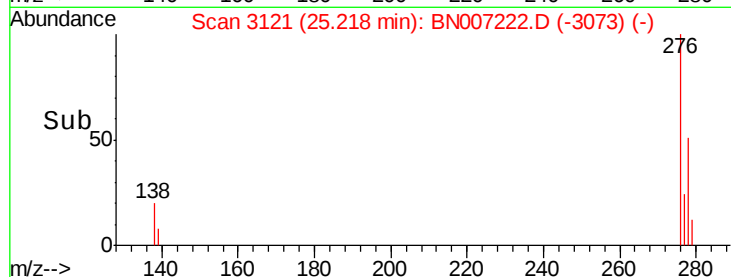
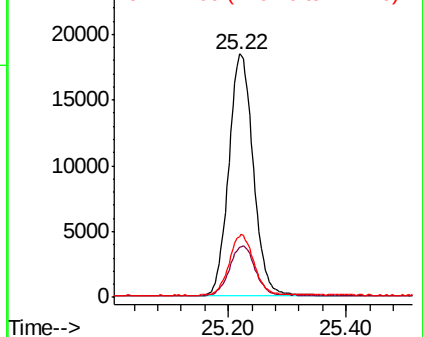
277 24.9 19.9 29.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#32

Perylene-d12

Concen: 0.400 ng

RT: 23.15 min Scan# 2516

Delta R.T. -0.02 min

Lab File: BN007222.D

Acq: 16 Aug 2019 14:36

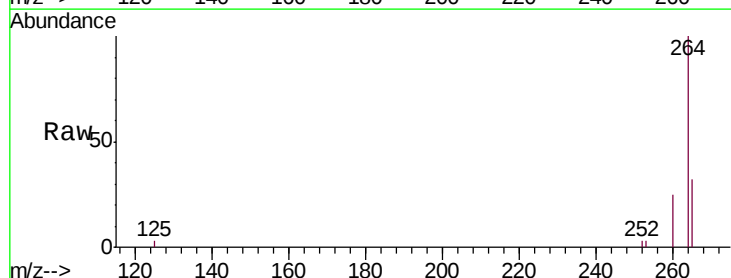
Tgt Ion:264 Resp: 36437

Ion Ratio Lower Upper

264 100

260 25.0 19.8 29.8

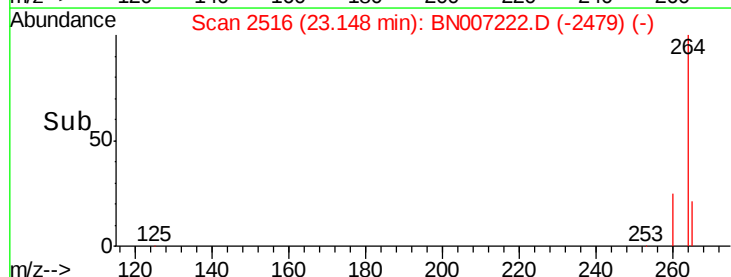
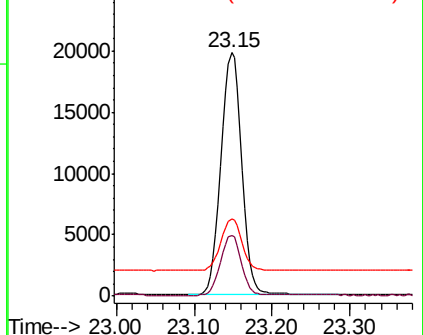
265 31.7 26.2 39.4

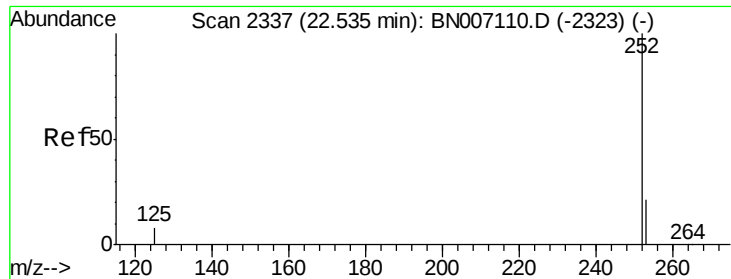


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#33

Benzo(b)fluoranthene

Concen: 0.363 ng

RT: 22.52 min Scan# 2334

Delta R.T. -0.02 min

Lab File: BN007222.D

Acq: 16 Aug 2019 14:36

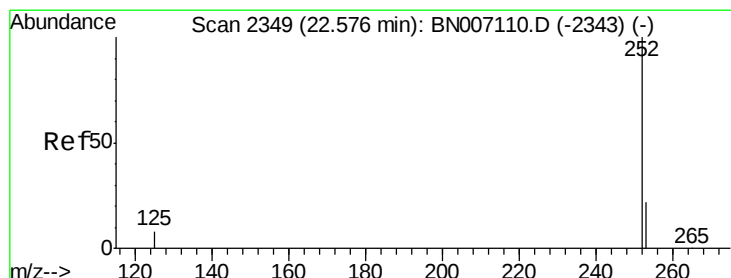
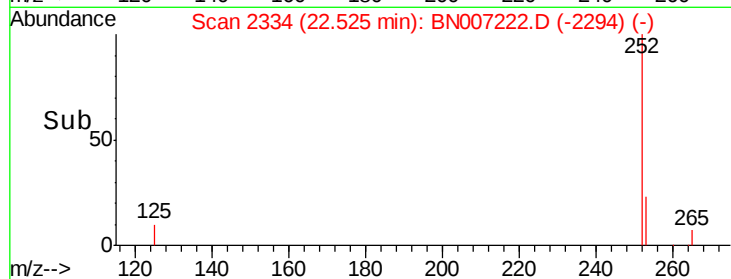
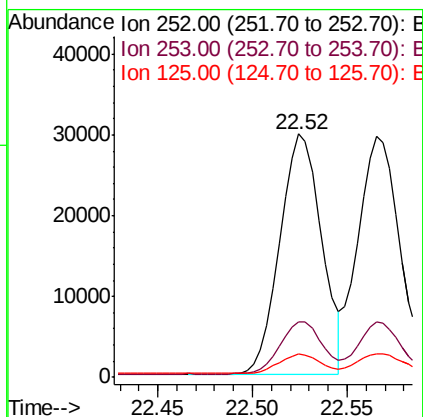
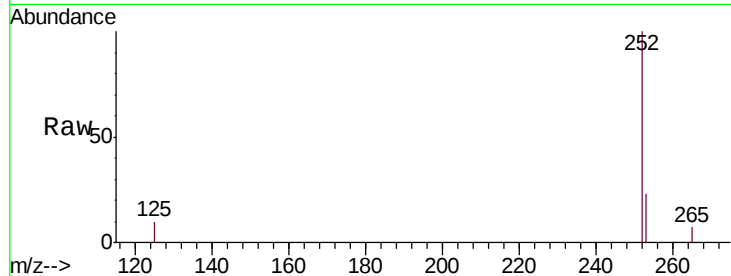
Instrument :

BNA_N

ClientSampleId :

PB122289BS

Tgt Ion:	252	Resp:	45380
Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.2	27.2
125	9.6	7.4	11.0



#34

Benzo(k)fluoranthene

Concen: 0.373 ng

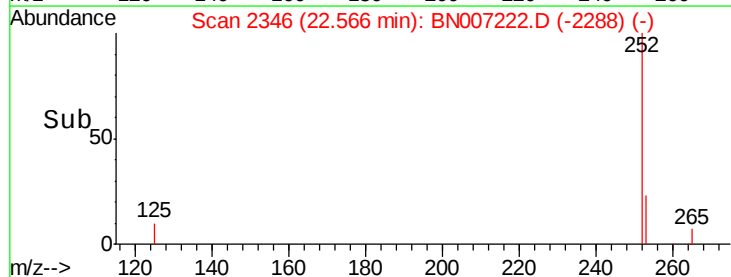
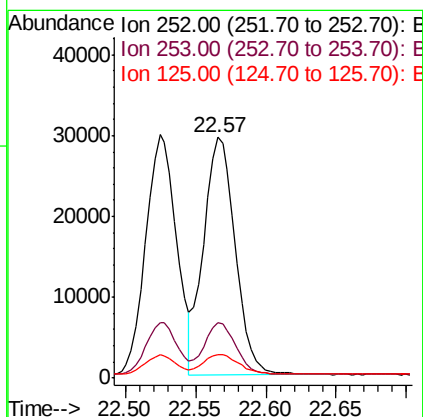
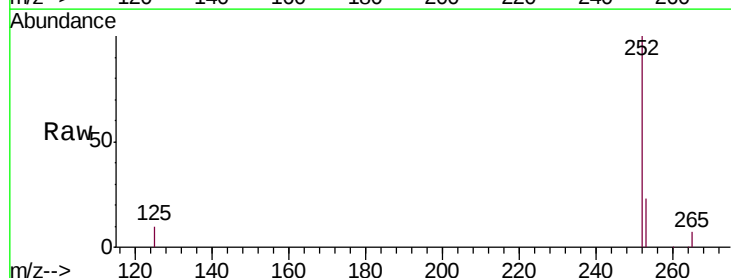
RT: 22.57 min Scan# 2346

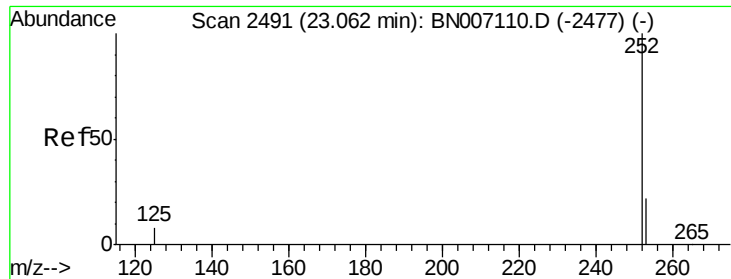
Delta R.T. -0.02 min

Lab File: BN007222.D

Acq: 16 Aug 2019 14:36

Tgt Ion:	252	Resp:	46055
Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	9.9	7.4	11.0





#35

Benzo(a)pyrene

Concen: 0.389 ng

RT: 23.06 min Scan# 2489

Delta R.T. -0.03 min

Lab File: BN007222.D

Acq: 16 Aug 2019 14:36

Instrument :

BNA_N

ClientSampleId :

PB122289BS

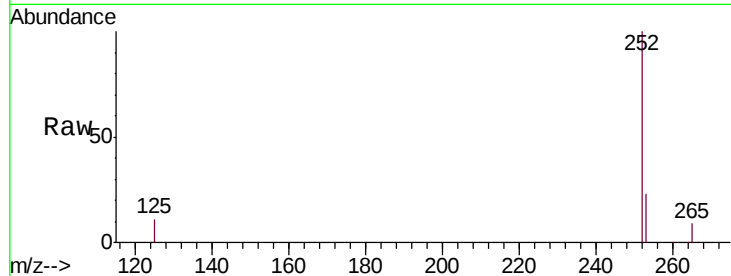
Tgt Ion:252 Resp: 44098

Ion Ratio Lower Upper

252 100

253 23.1 18.5 27.7

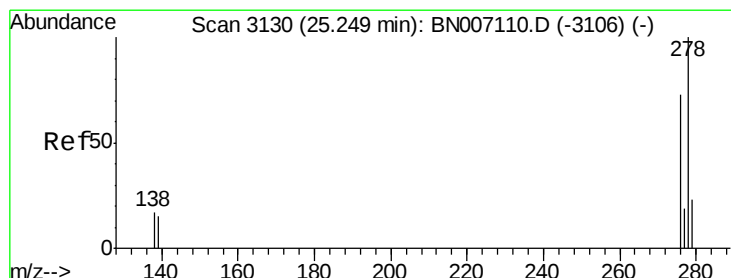
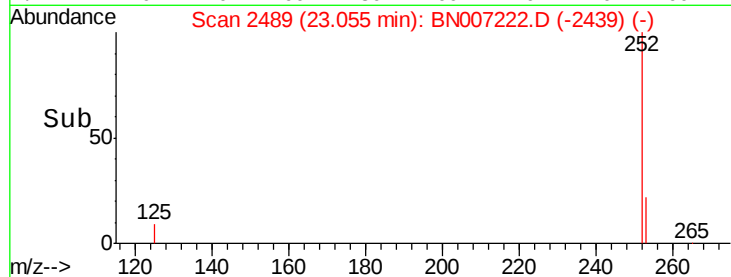
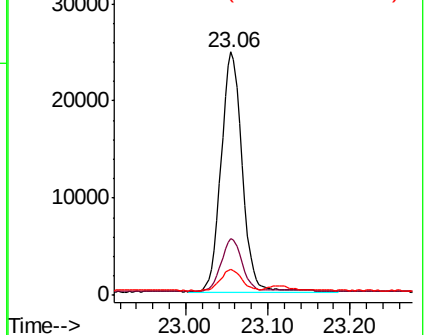
125 10.9 8.2 12.4



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



#36

Dibenzo(a,h)anthracene

Concen: 0.387 ng

RT: 25.24 min Scan# 3126

Delta R.T. -0.04 min

Lab File: BN007222.D

Acq: 16 Aug 2019 14:36

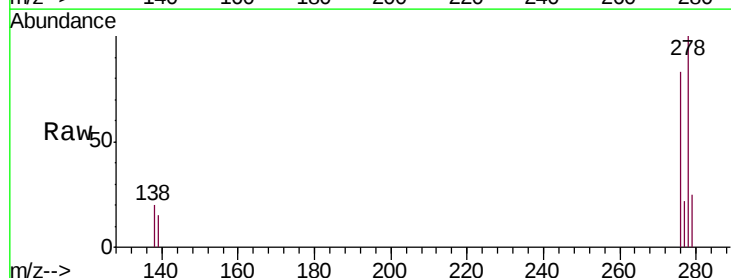
Tgt Ion:278 Resp: 43716

Ion Ratio Lower Upper

278 100

139 15.0 11.3 16.9

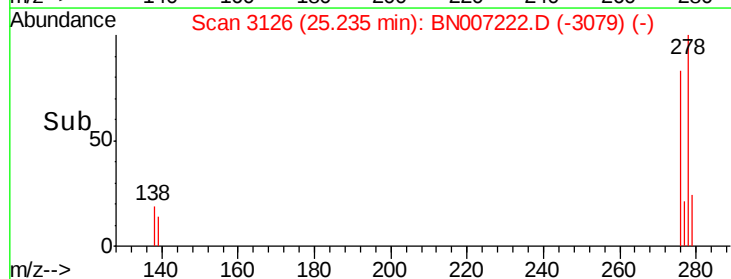
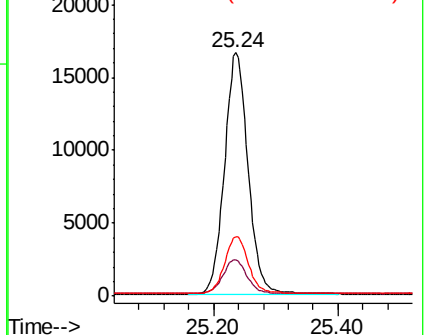
279 24.6 19.3 28.9

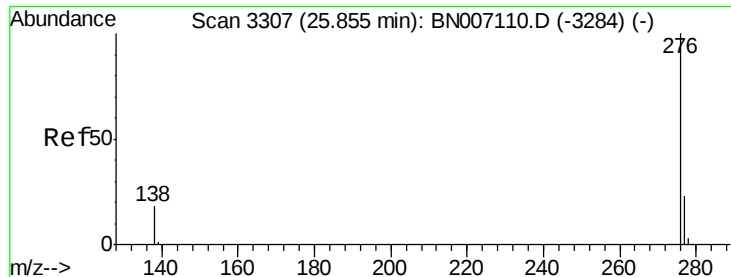


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#37

Benzo(g,h,i)perylene

Concen: 0.387 ng

RT: 25.85 min Scan# 3305

Delta R.T. -0.03 min

Lab File: BN007222.D

Acq: 16 Aug 2019 14:36

Instrument :

BNA_N

ClientSampleId :

PB122289BS

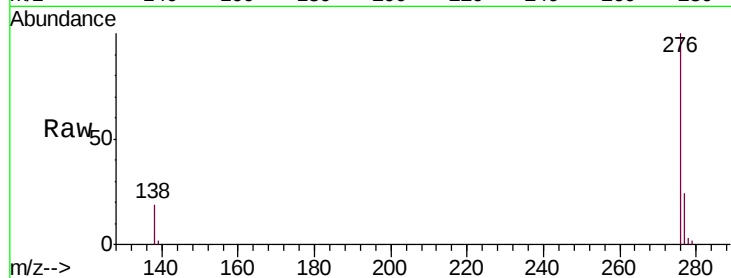
Tgt Ion: 276 Resp: 44974

Ion Ratio Lower Upper

276 100

277 24.5 19.8 29.8

138 18.9 14.6 22.0



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

