

Data Path : Z:\SVOASRV\HPCHEM1\BNA_N\DATA\BN081319\
 Data File : BN007145.D
 Acq On : 13 Aug 2019 23:07
 Operator : HP/JU
 Sample : PB122169BS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 PB122169BS

Quant Time: Aug 14 04:57:48 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	7.43	152	8504	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	32978	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	18398	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	42690	0.40	ng	0.00
26) Chrysene-d12	21.04	240	42641	0.40	ng	-0.01
32) Perylene-d12	23.16	264	46938	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	5.06	112	8711	0.43	ng	0.00
4) Phenol-d6	6.61	99	11409	0.45	ng	0.00
7) Nitrobenzene-d5	8.56	82	7784	0.29	ng	0.00
10) 2-Methylnaphthalene-d10	11.79	152	21856m	0.36	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	2603	0.26	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	4661	0.17	ng	0.00
24) Fluoranthene-d10	18.87	212	45256	0.30	ng	0.00
28) Terphenyl-d14	19.49	244	34415	0.30	ng	-0.01

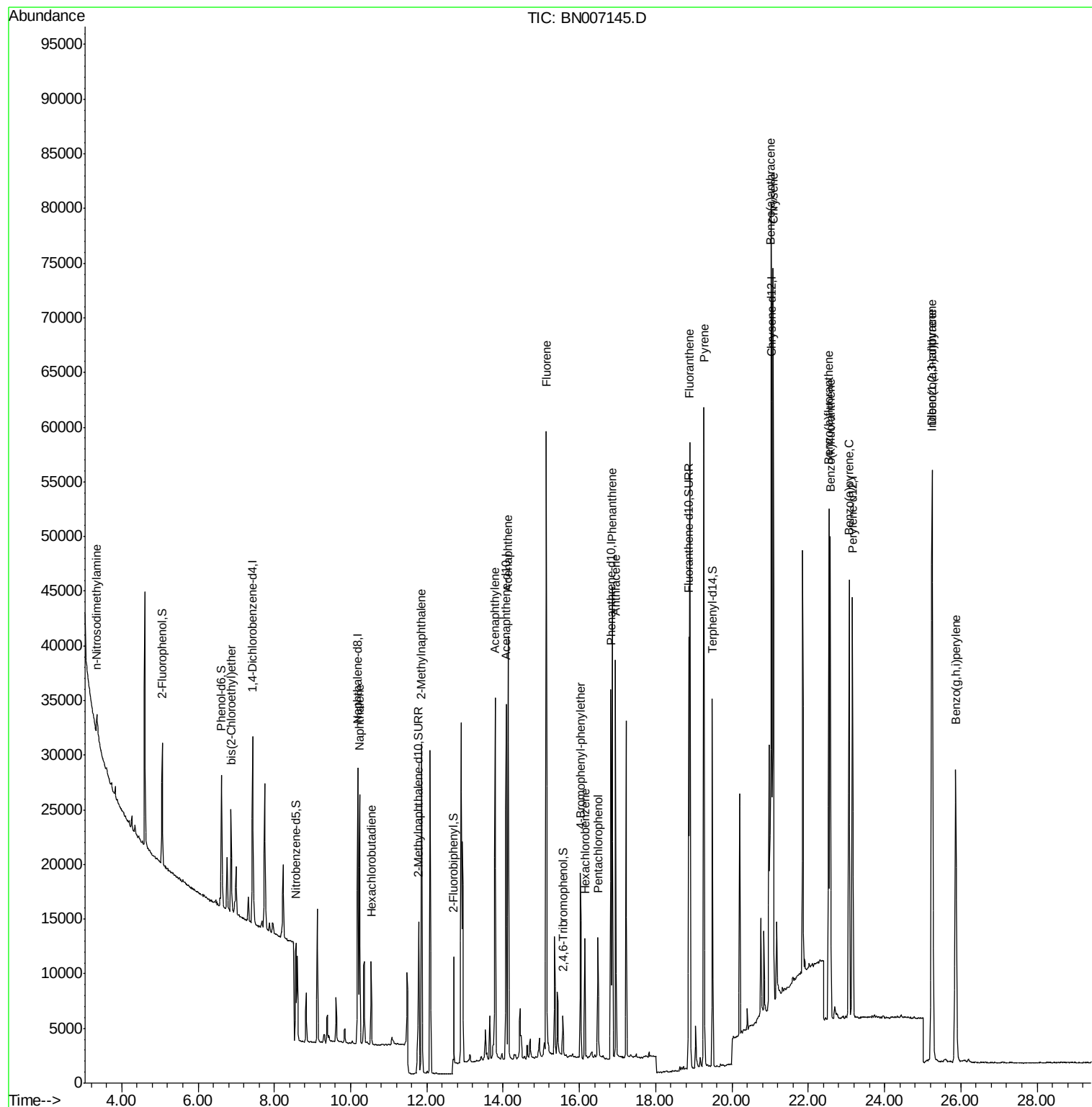
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.34	42	1743	0.312	ng	# 81
5) bis(2-Chloroethyl)ether	6.87	93	7768	0.347	ng	98
8) Naphthalene	10.24	128	29842	0.323	ng	99
9) Hexachlorobutadiene	10.54	225	5928	0.301	ng	# 100
11) 2-Methylnaphthalene	11.86	142	21495	0.328	ng	98
15) Acenaphthylene	13.79	152	41286	0.429	ng	100
16) Acenaphthene	14.13	154	20310	0.330	ng	99
17) Fluorene	15.13	166	28512	0.309	ng	99
19) 4-Bromophenyl-phenylether	16.03	248	8807	0.334	ng	# 83
20) Hexachlorobenzene	16.14	284	8573	0.338	ng	99
21) Pentachlorophenol	16.48	266	5254	0.555	ng	99
22) Phenanthrene	16.87	178	43040	0.336	ng	100
23) Anthracene	16.95	178	40753	0.349	ng	99
25) Fluoranthene	18.90	202	52666	0.322	ng	99
27) Pyrene	19.26	202	54233	0.363	ng	99
29) Benzo(a)anthracene	21.02	228	53060	0.340	ng	97
30) Chrysene	21.08	228	52572	0.347	ng	99
31) Indeno(1,2,3-cd)pyrene	25.24	276	61850	0.370	ng	99
33) Benzo(b)fluoranthene	22.54	252	55411	0.344	ng	97
34) Benzo(k)fluoranthene	22.58	252	52936	0.333	ng	97
35) Benzo(a)pyrene	23.07	252	52916	0.363	ng	98
36) Dibenzo(a,h)anthracene	25.26	278	50921	0.350	ng	97
37) Benzo(g,h,i)perylene	25.87	276	53020	0.354	ng	99

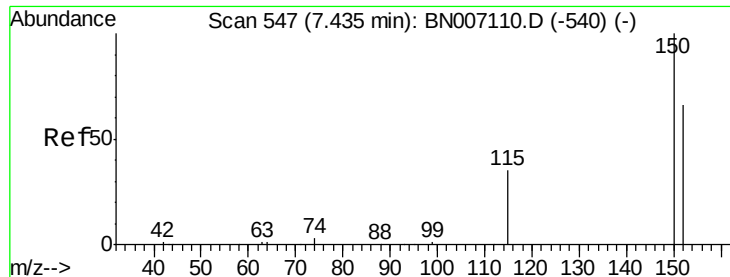
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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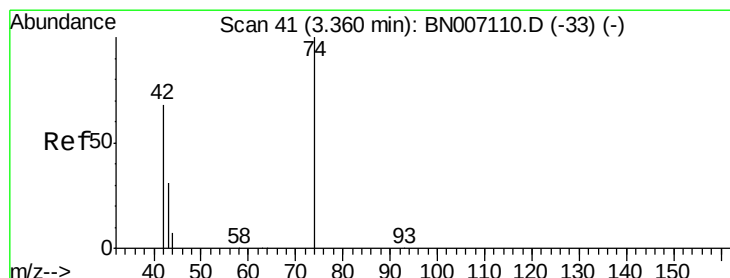
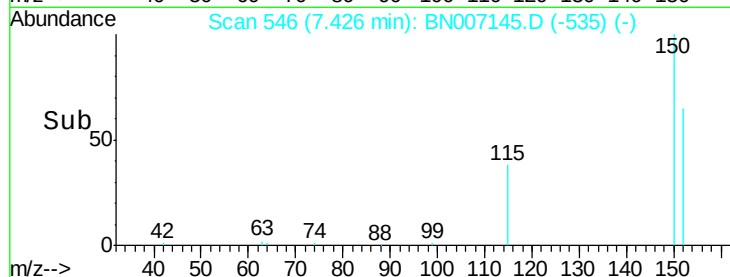
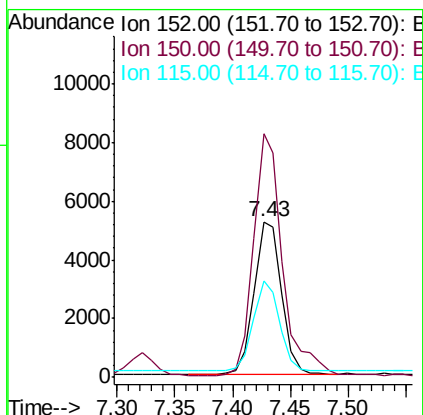
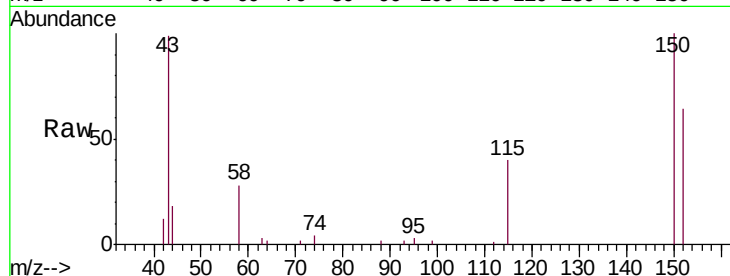


#1

1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 546
Delta R.T. -0.01 min
Lab File: BN007145.D
Acq: 13 Aug 2019 23:07

Instrument :
BNA_N
ClientSampleId :
PB122169BS

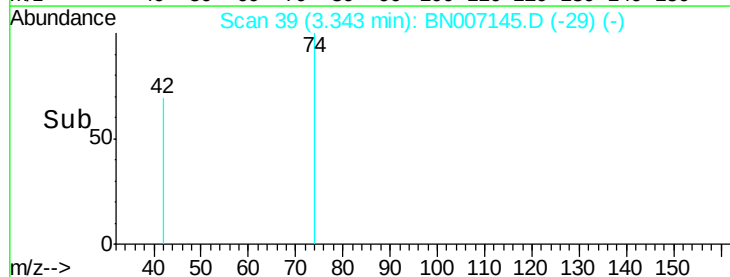
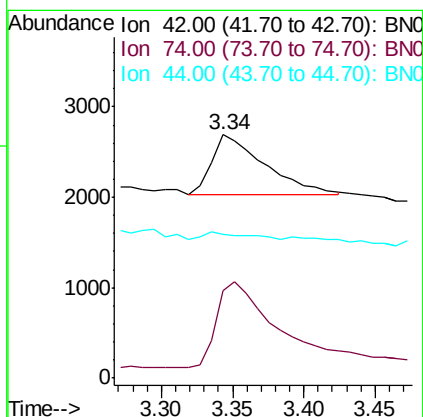
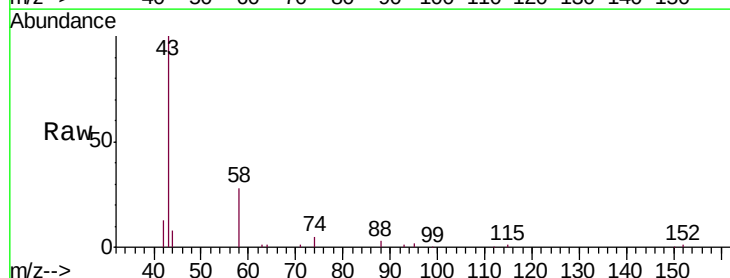
Tgt Ion:152 Resp: 8504
Ion Ratio Lower Upper
152 100
150 156.3 121.7 182.5
115 61.9 46.2 69.4

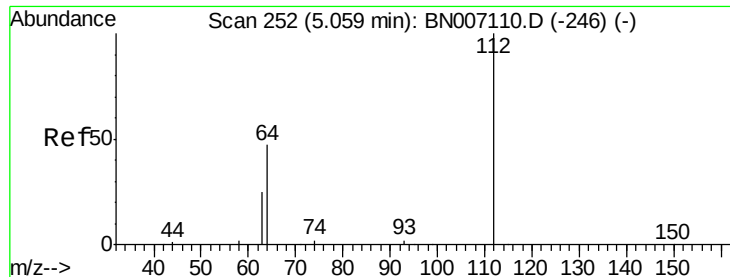


#2

n-Nitrosodimethylamine
Concen: 0.312 ng
RT: 3.34 min Scan# 39
Delta R.T. -0.02 min
Lab File: BN007145.D
Acq: 13 Aug 2019 23:07

Tgt Ion: 42 Resp: 1743
Ion Ratio Lower Upper
42 100
74 160.9 110.6 166.0
44 9.3 0.0 0.0#





#3

2-Fluorophenol

Concen: 0.426 ng

RT: 5.06 min Scan# 252

Delta R.T. -0.00 min

Lab File: BN007145.D

Acq: 13 Aug 2019 23:07

Instrument :

BNA_N

ClientSampleId :

PB122169BS

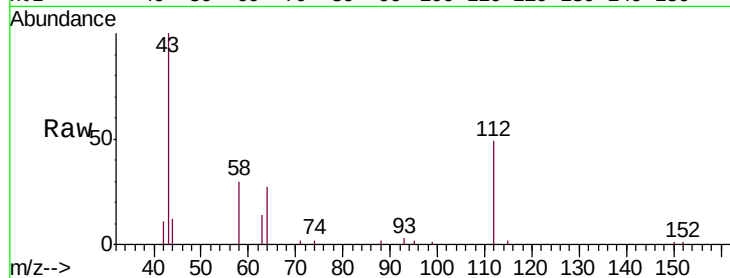
Tgt Ion: 112 Resp: 8711

Ion Ratio Lower Upper

112 100

64 52.0 42.6 63.8

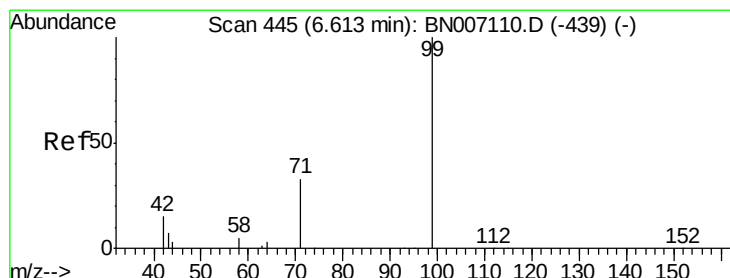
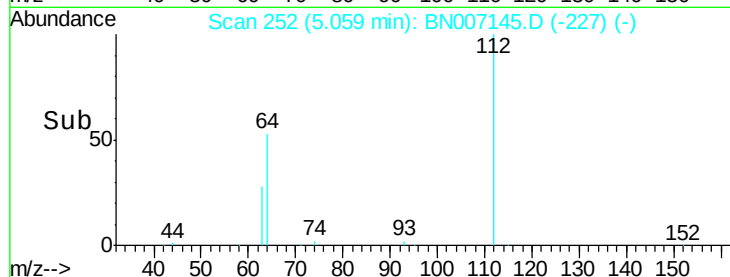
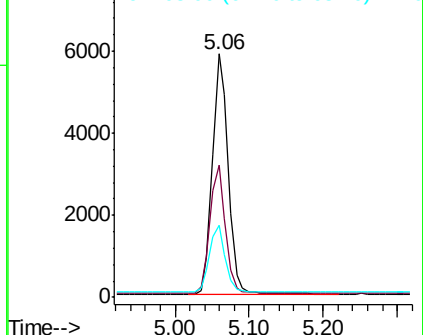
63 27.4 22.2 33.2



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: 0.451 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007145.D

Acq: 13 Aug 2019 23:07

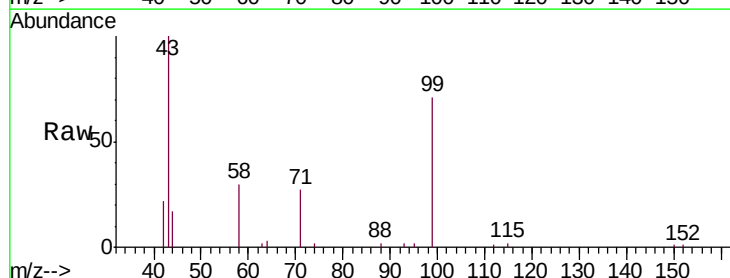
Tgt Ion: 99 Resp: 11409

Ion Ratio Lower Upper

99 100

42 18.7 15.8 23.6

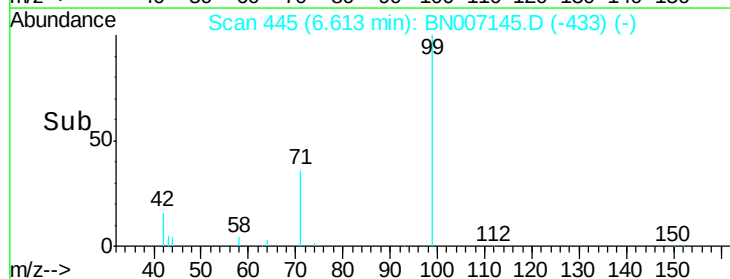
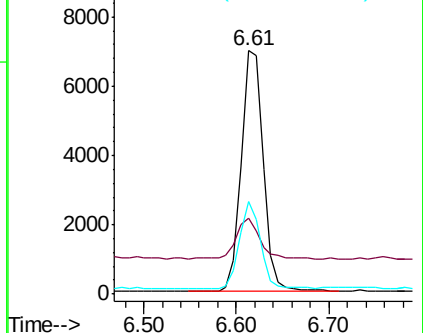
71 34.1 27.0 40.4

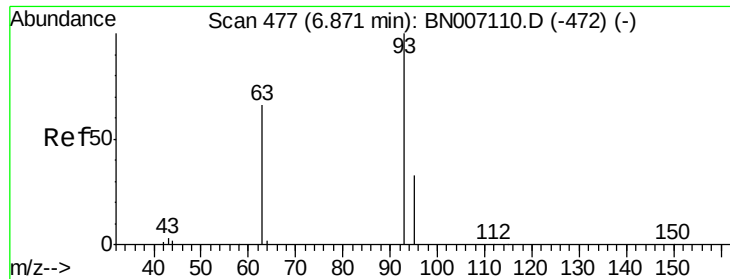


Abundance Ion 99.00 (98.70 to 99.70): BNO

Ion 42.00 (41.70 to 42.70): BNO

Ion 71.00 (70.70 to 71.70): BNO





#5

bis(2-Chloroethyl)ether

Concen: 0.347 ng

RT: 6.87 min Scan# 477

Delta R.T. -0.00 min

Lab File: BN007145.D

Acq: 13 Aug 2019 23:07

Instrument :

BNA_N

ClientSampleId :

PB122169BS

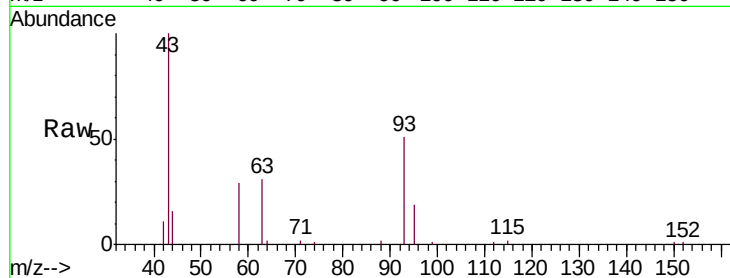
Tgt Ion: 93 Resp: 7768

Ion Ratio Lower Upper

93 100

63 67.6 55.6 83.4

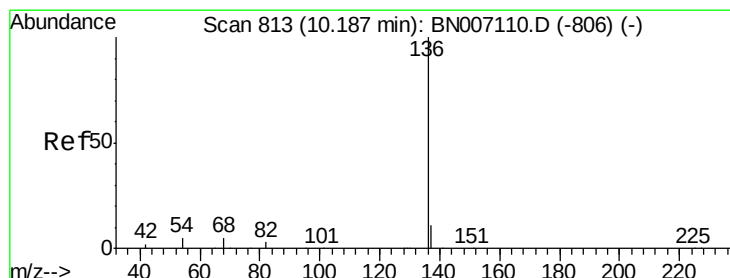
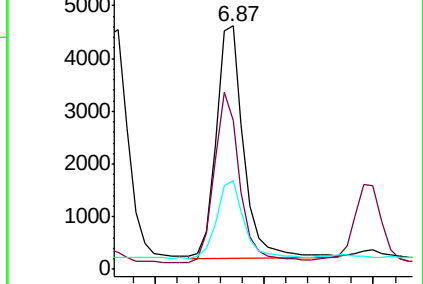
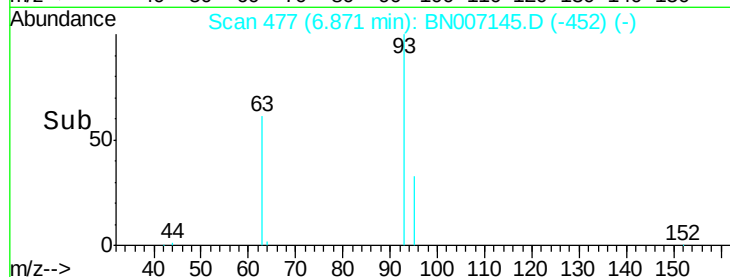
95 33.7 26.7 40.1



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: 10.19 min Scan# 813

Delta R.T. -0.00 min

Lab File: BN007145.D

Acq: 13 Aug 2019 23:07

Tgt Ion: 136 Resp: 32978

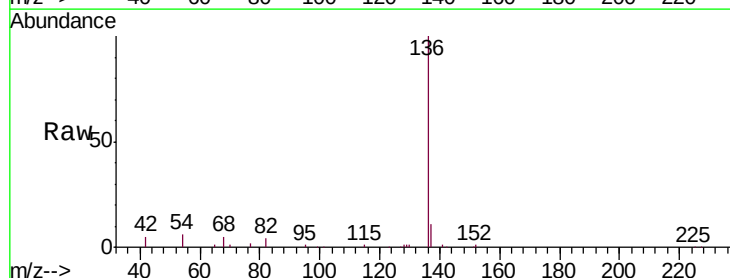
Ion Ratio Lower Upper

136 100

137 11.1 9.4 14.0

54 5.8 6.6 9.8#

68 5.4 6.0 9.0#

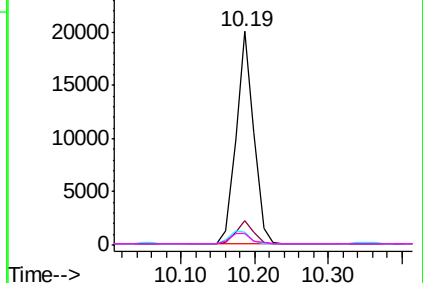
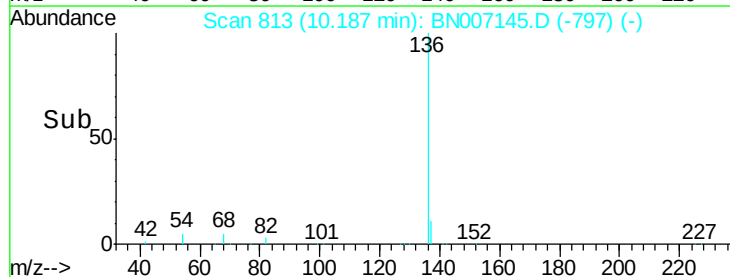


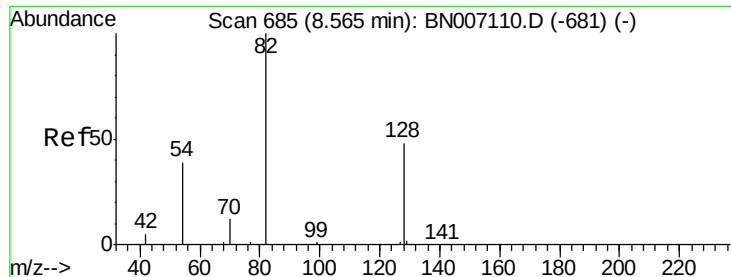
Abundance Ion 136.00 (135.70 to 136.70): BN007110.D (-806) (-)

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: 0.293 ng

RT: 8.56 min Scan# 685

Delta R.T. -0.00 min

Lab File: BN007145.D

Acq: 13 Aug 2019 23:07

Instrument :

BNA_N

ClientSampleId :

PB122169BS

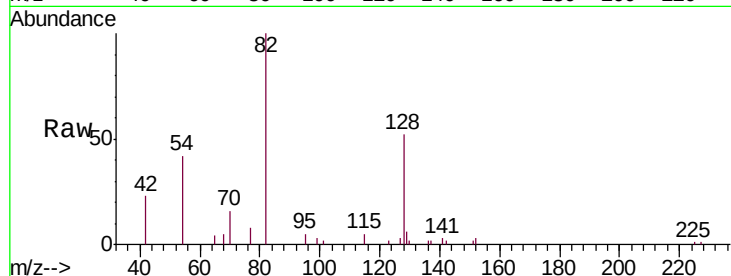
Tgt Ion: 82 Resp: 7784

Ion Ratio Lower Upper

82 100

128 52.1 34.6 51.8#

54 41.6 36.2 54.4

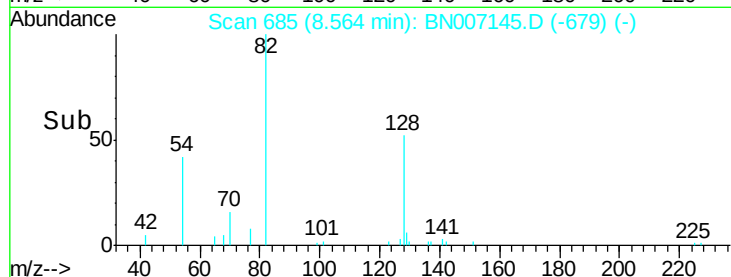


Abundance Ion 82.00 (81.70 to 82.70): BN007110.D (-681) (-)

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

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

Time-->

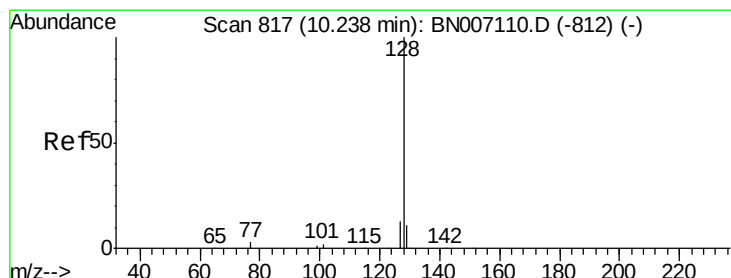


Abundance Ion 82.00 (81.70 to 82.70): BN007145.D (-679) (-)

Ion 128.00 (127.70 to 128.70): BN007145.D (-679) (-)

Ion 54.00 (53.70 to 54.70): BN007145.D (-679) (-)

Time-->



#8

Naphthalene

Concen: 0.323 ng

RT: 10.24 min Scan# 817

Delta R.T. -0.00 min

Lab File: BN007145.D

Acq: 13 Aug 2019 23:07

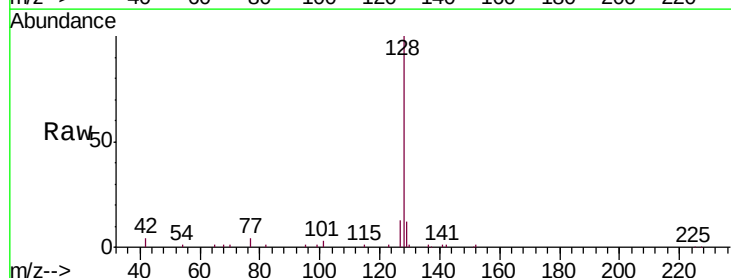
Tgt Ion: 128 Resp: 29842

Ion Ratio Lower Upper

128 100

129 11.8 9.4 14.2

127 13.0 11.0 16.6

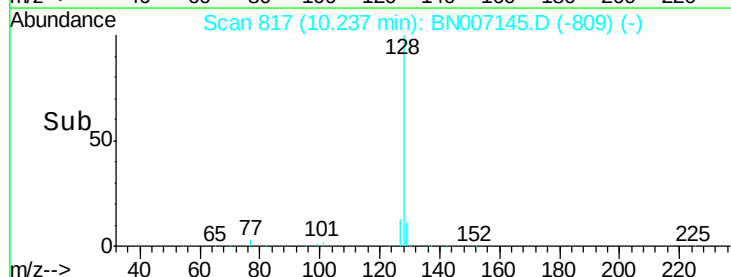


Abundance Ion 128.00 (127.70 to 128.70): BN007110.D (-812) (-)

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

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

Time-->

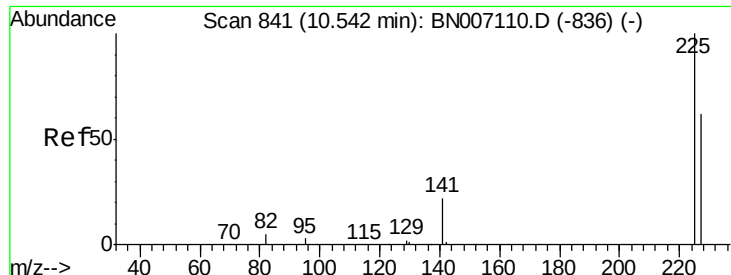


Abundance Ion 128.00 (127.70 to 128.70): BN007145.D (-809) (-)

Ion 129.00 (128.70 to 129.70): BN007145.D (-809) (-)

Ion 127.00 (126.70 to 127.70): BN007145.D (-809) (-)

Time-->



#9

Hexachlorobutadiene

Concen: 0.301 ng

RT: 10.54 min Scan# 841

Delta R.T. -0.01 min

Lab File: BN007145.D

Acq: 13 Aug 2019 23:07

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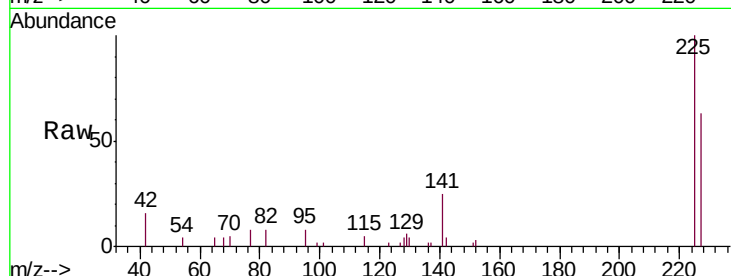
Tgt Ion: 225 Resp: 5928

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

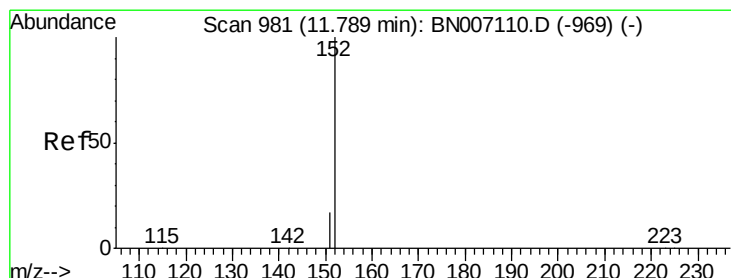
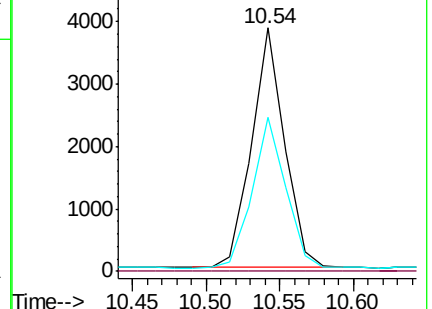
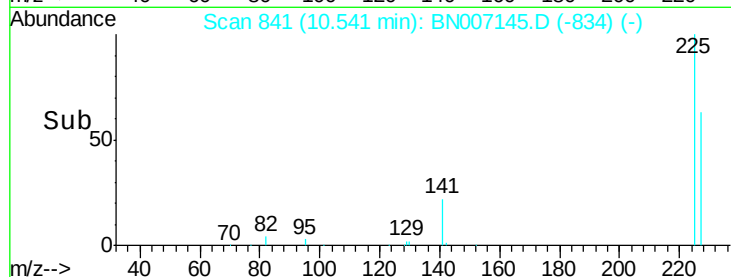
227 64.2 51.1 76.7



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: 0.355 ng m

RT: 11.79 min Scan# 981

Delta R.T. -0.00 min

Lab File: BN007145.D

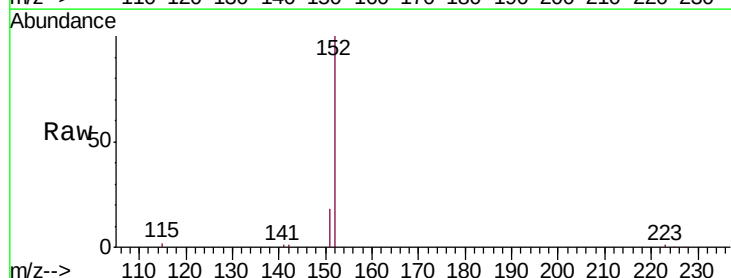
Acq: 13 Aug 2019 23:07

Tgt Ion: 152 Resp: 21856

Ion Ratio Lower Upper

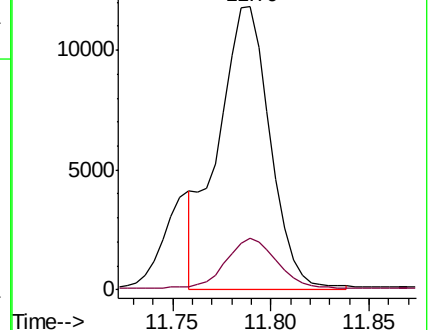
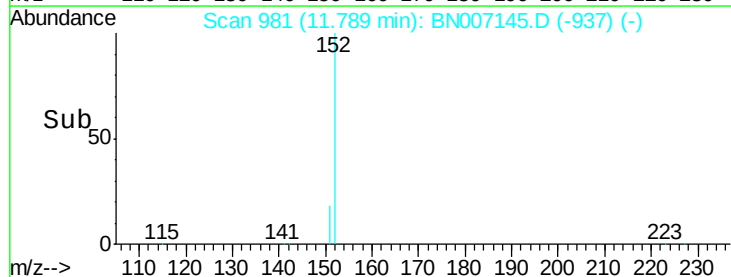
152 100

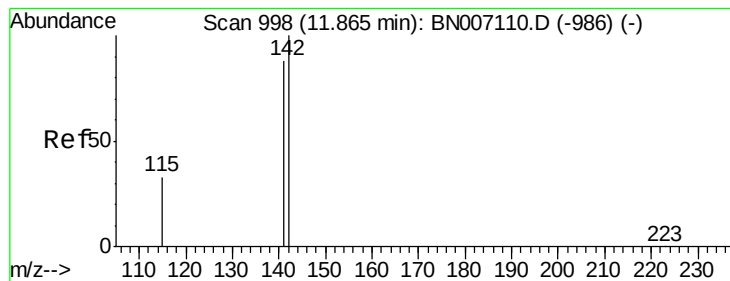
151 17.0 15.5 23.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#11

2-Methylnaphthalene

Concen: 0.328 ng

RT: 11.86 min Scan# 997

Delta R.T. -0.01 min

Lab File: BN007145.D

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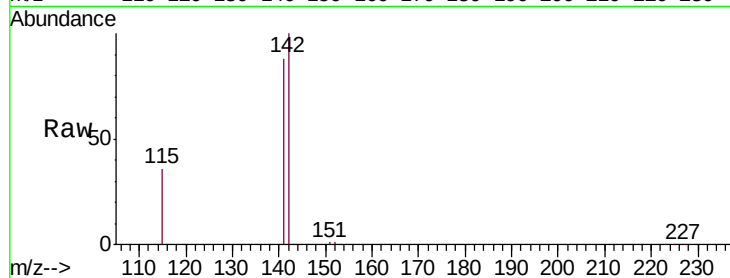
Tgt Ion:142 Resp: 21495

Ion Ratio Lower Upper

142 100

141 87.9 69.0 103.6

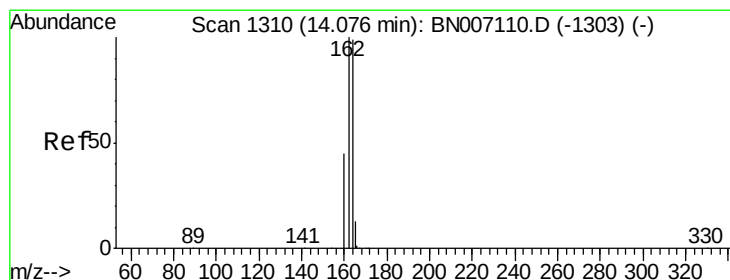
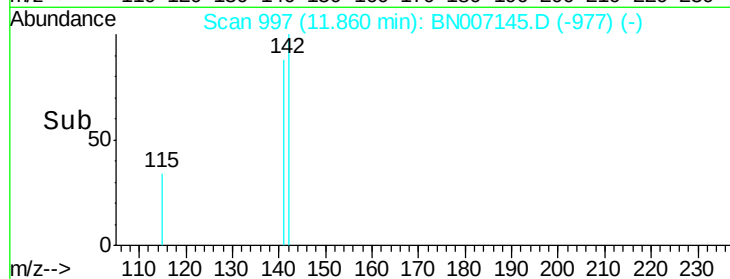
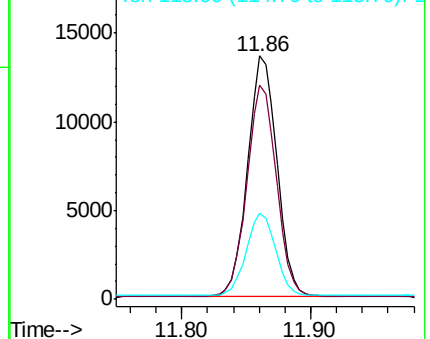
115 35.6 27.1 40.7



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: 14.08 min Scan# 1310

Delta R.T. -0.00 min

Lab File: BN007145.D

Acq: 13 Aug 2019 23:07

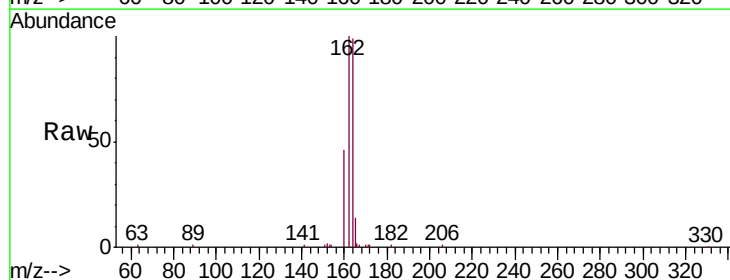
Tgt Ion:164 Resp: 18398

Ion Ratio Lower Upper

164 100

162 100.6 82.2 123.4

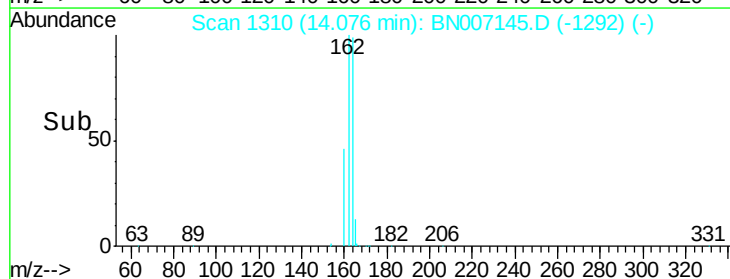
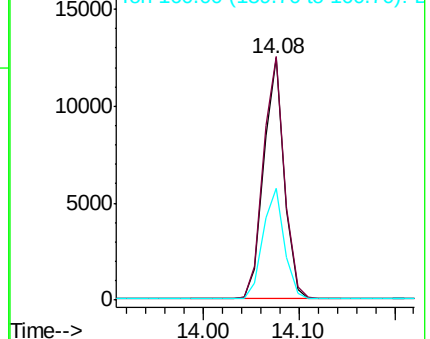
160 46.4 38.3 57.5

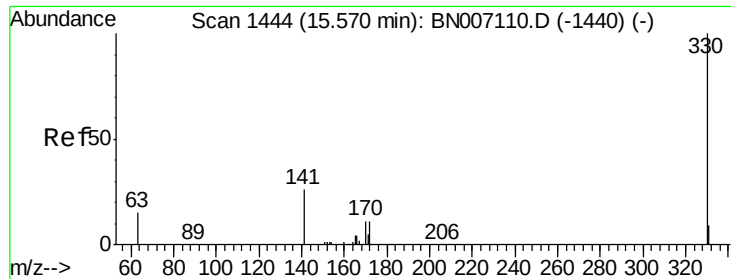


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

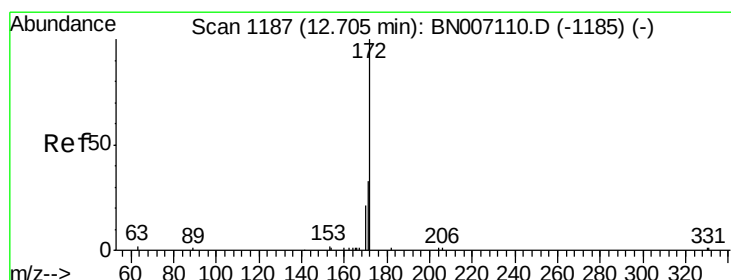
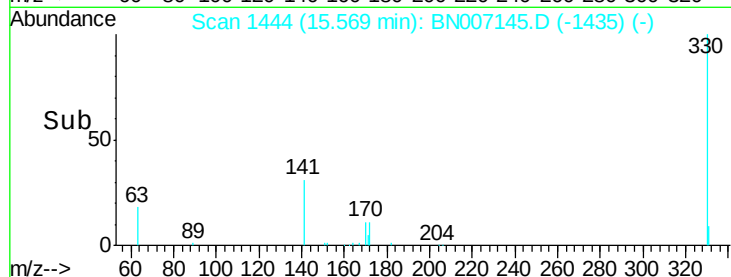
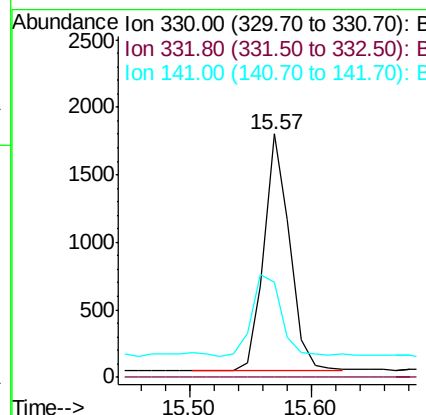
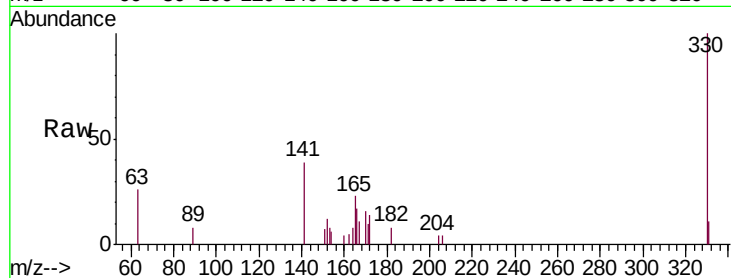




#13
 2,4,6-Tribromophenol
 Concen: 0.263 ng
 RT: 15.57 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: BN007145.D
 Acq: 13 Aug 2019 23:07

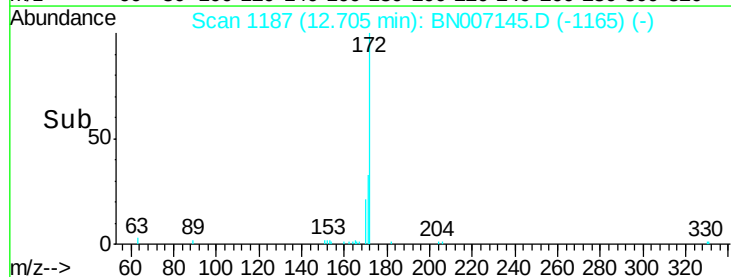
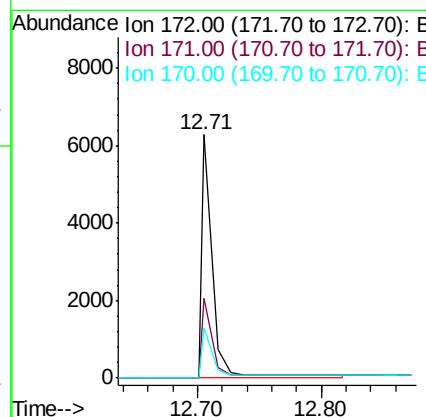
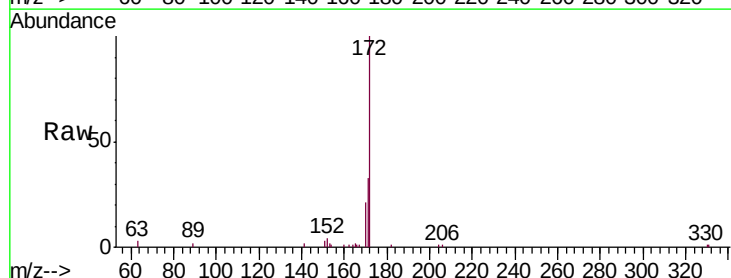
Instrument :
 BNA_N
 ClientSampleId :
 PB122169BS

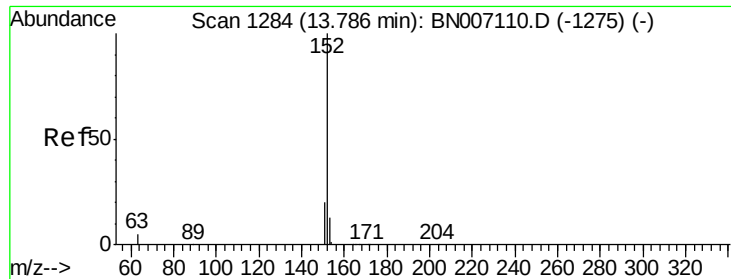
Tgt Ion: 330 Resp: 2603
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 39.3 33.6 50.4



#14
 2-Fluorobiphenyl
 Concen: 0.174 ng
 RT: 12.71 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: BN007145.D
 Acq: 13 Aug 2019 23:07

Tgt Ion: 172 Resp: 4661
 Ion Ratio Lower Upper
 172 100
 171 32.7 26.3 39.5
 170 20.5 17.0 25.4





#15

Acenaphthylene

Concen: 0.429 ng

RT: 13.79 min Scan# 1284

Delta R.T. -0.00 min

Lab File: BN007145.D

Acq: 13 Aug 2019 23:07

Instrument :

BNA_N

ClientSampleId :

PB122169BS

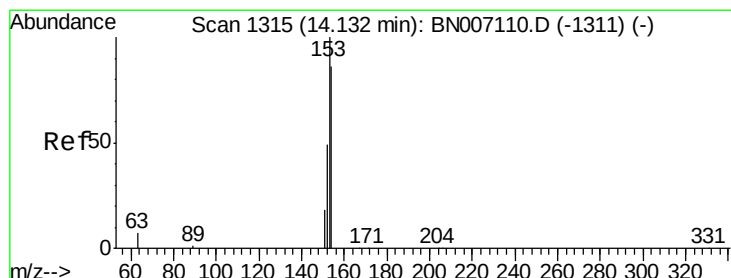
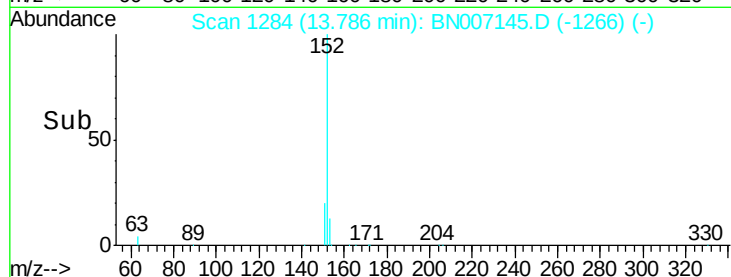
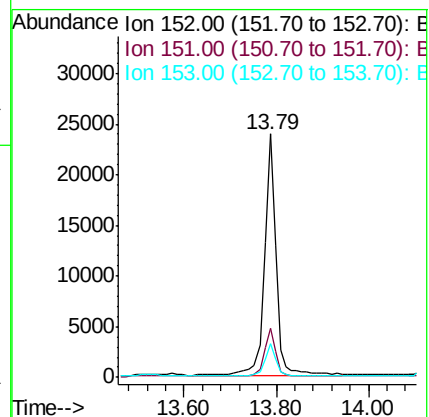
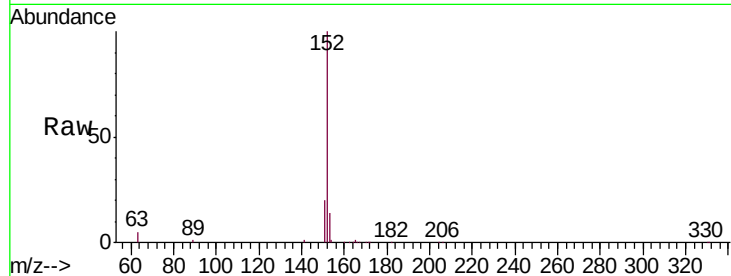
Tgt Ion:152 Resp: 41286

Ion Ratio Lower Upper

152 100

151 19.7 15.8 23.6

153 12.6 10.4 15.6



#16

Acenaphthene

Concen: 0.330 ng

RT: 14.13 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BN007145.D

Acq: 13 Aug 2019 23:07

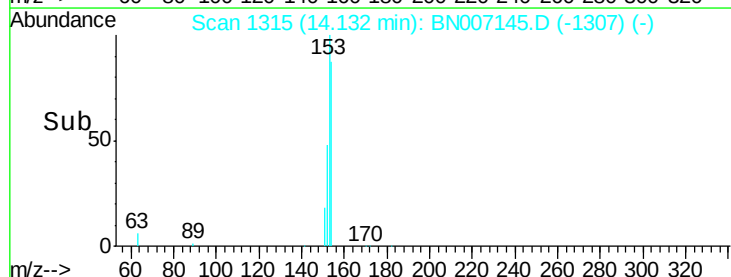
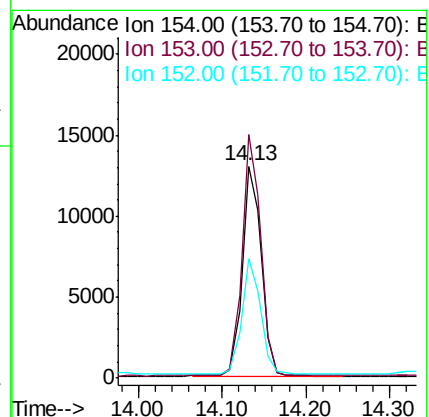
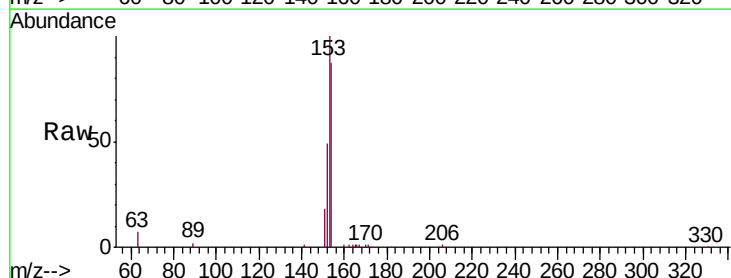
Tgt Ion:154 Resp: 20310

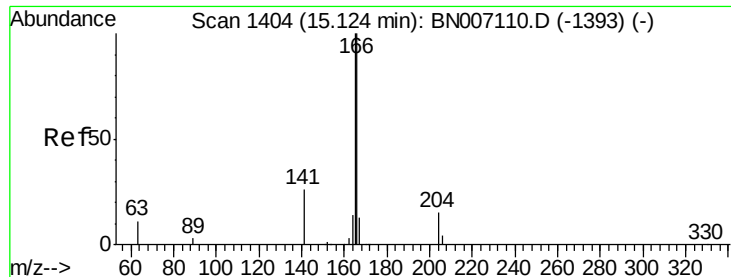
Ion Ratio Lower Upper

154 100

153 113.2 89.5 134.3

152 54.6 44.8 67.2

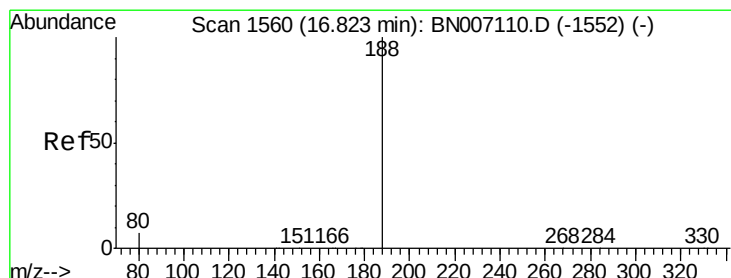
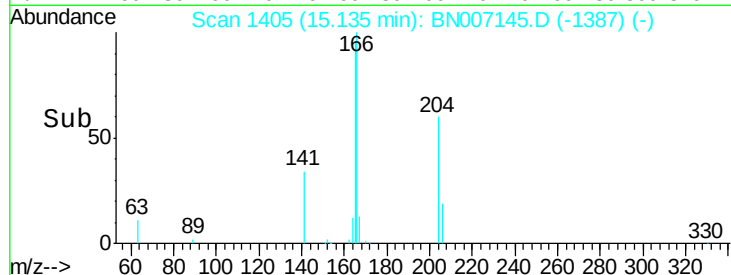
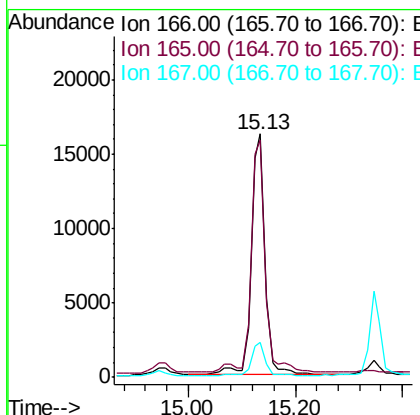
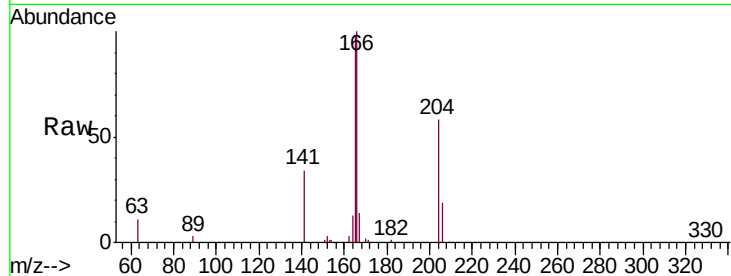




#17
Fluorene
 Concen: 0.309 ng
 RT: 15.13 min Scan# 1405
 Delta R.T. -0.00 min
 Lab File: BN007145.D
 Acq: 13 Aug 2019 23:07

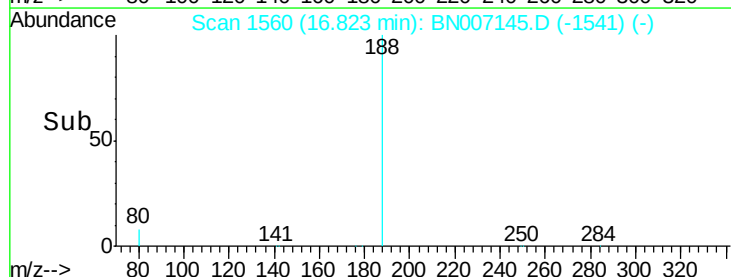
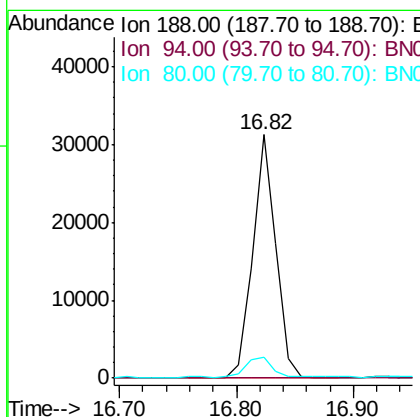
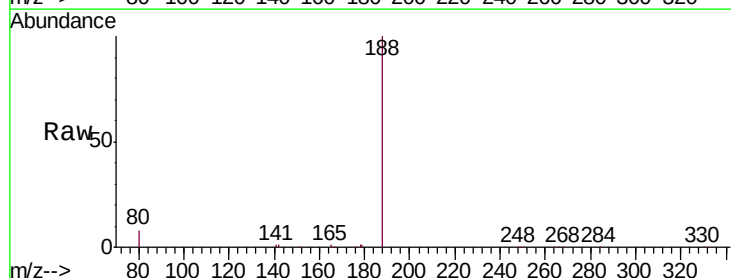
Instrument :
 BNA_N
 ClientSampleId :
 PB122169BS

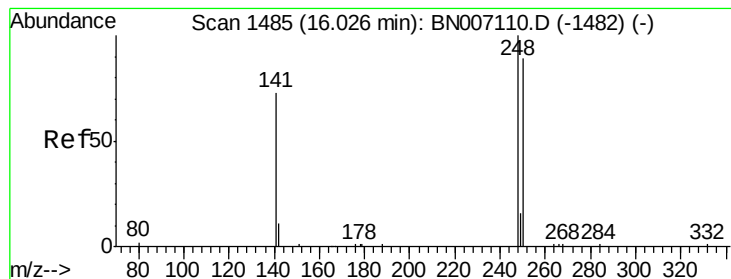
Tgt Ion:166 Resp: 28512
 Ion Ratio Lower Upper
 166 100
 165 96.8 77.9 116.9
 167 13.1 10.9 16.3



#18
Phenanthrene-d10
 Concen: 0.400 ng
 RT: 16.82 min Scan# 1560
 Delta R.T. -0.00 min
 Lab File: BN007145.D
 Acq: 13 Aug 2019 23:07

Tgt Ion:188 Resp: 42690
 Ion Ratio Lower Upper
 188 100
 94 0.0 0.0 0.0
 80 8.4 7.8 11.6





#19

4-Bromophenyl-phenylether

Concen: 0.334 ng

RT: 16.03 min Scan# 1485

Delta R.T. -0.01 min

Lab File: BN007145.D

Acq: 13 Aug 2019 23:07

Instrument :

BNA_N

ClientSampleId :

PB122169BS

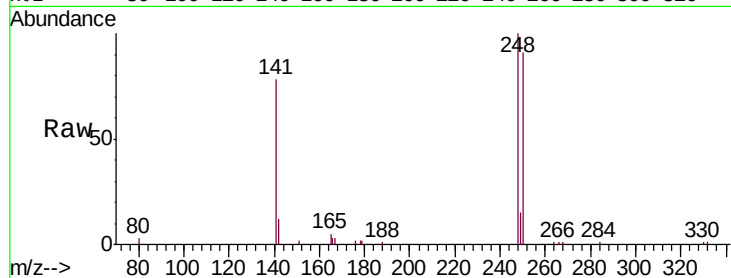
Tgt Ion:248 Resp: 8807

Ion Ratio Lower Upper

248 100

250 91.4 78.9 118.3

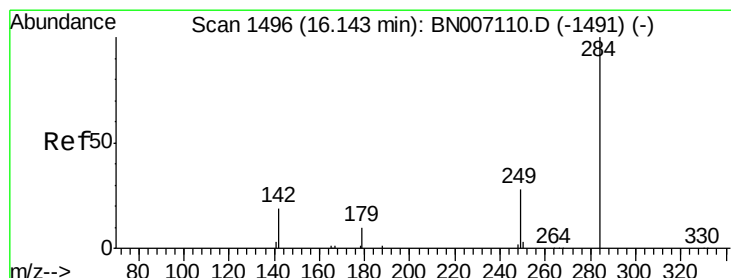
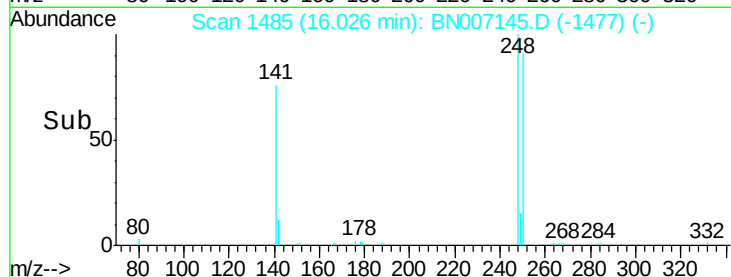
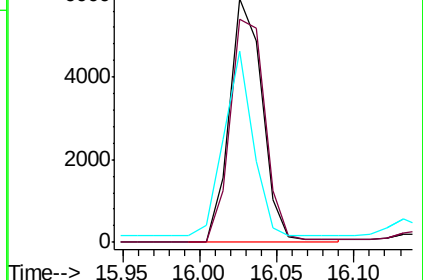
141 78.5 43.3 64.9#



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: 0.338 ng

RT: 16.14 min Scan# 1496

Delta R.T. -0.00 min

Lab File: BN007145.D

Acq: 13 Aug 2019 23:07

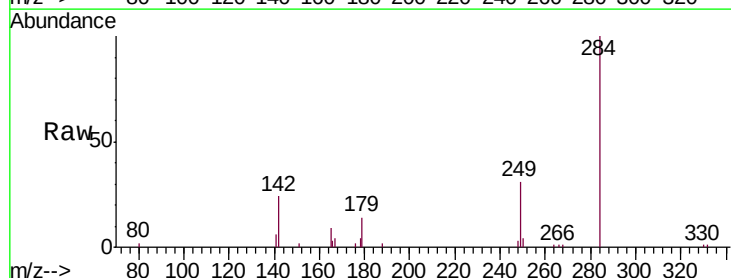
Tgt Ion:284 Resp: 8573

Ion Ratio Lower Upper

284 100

142 37.6 30.5 45.7

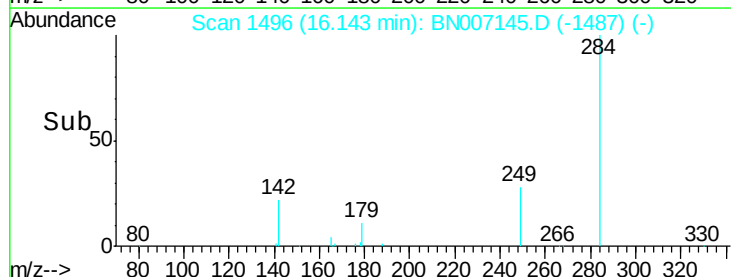
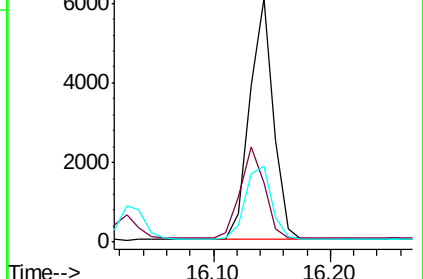
249 33.7 26.7 40.1

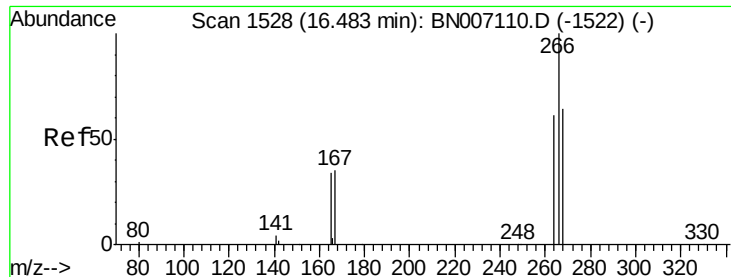


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

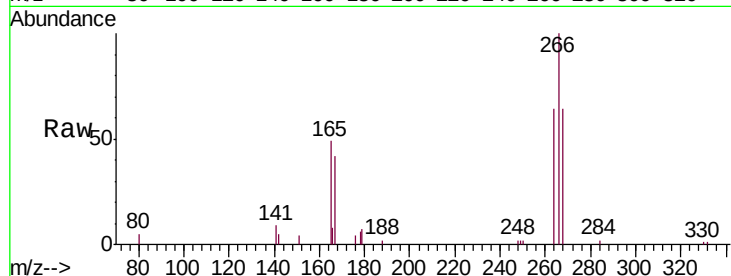




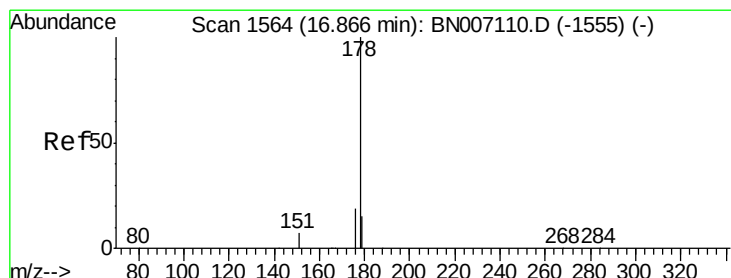
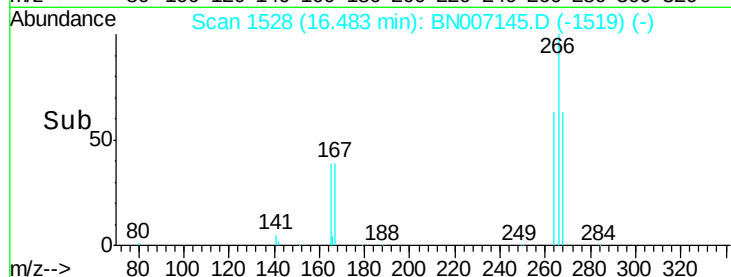
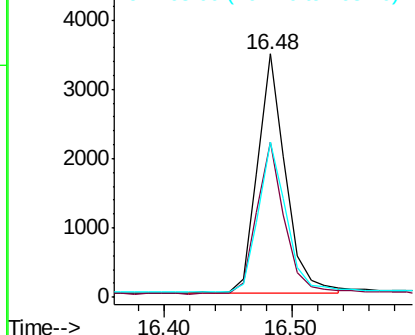
#21
 Pentachlorophenol
 Concen: 0.555 ng
 RT: 16.48 min Scan# 1528
 Delta R.T. -0.00 min
 Lab File: BN007145.D
 Acq: 13 Aug 2019 23:07

Instrument :
 BNA_N
 ClientSampleId :
 PB122169BS

Tgt Ion: 266 Resp: 5254
 Ion Ratio Lower Upper
 266 100
 264 63.7 52.3 78.5
 268 63.9 51.5 77.3

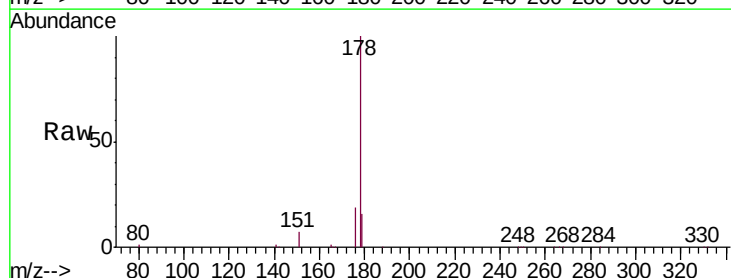


Abundance Ion 266.00 (265.70 to 266.70): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

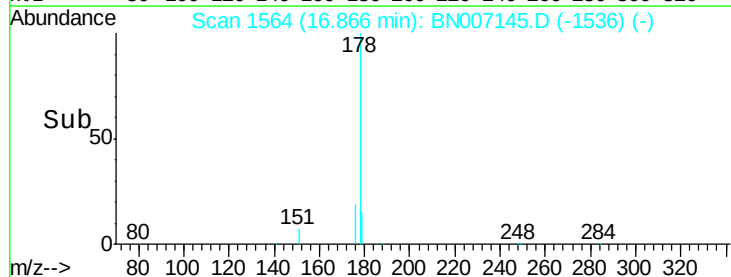
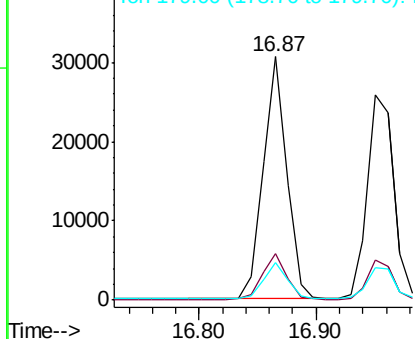


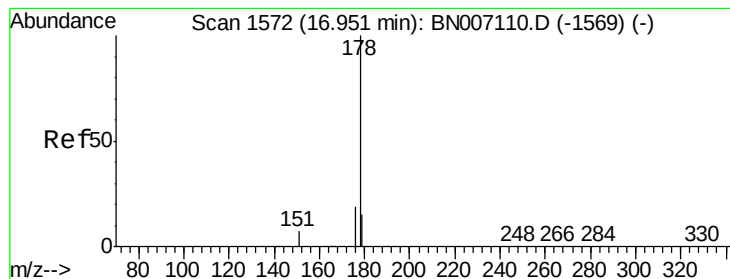
#22
 Phenanthrene
 Concen: 0.336 ng
 RT: 16.87 min Scan# 1564
 Delta R.T. -0.00 min
 Lab File: BN007145.D
 Acq: 13 Aug 2019 23:07

Tgt Ion: 178 Resp: 43040
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.2 22.8
 179 15.5 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: 0.349 ng

RT: 16.95 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BN007145.D

Acq: 13 Aug 2019 23:07

Instrument :

BNA_N

ClientSampleId :

PB122169BS

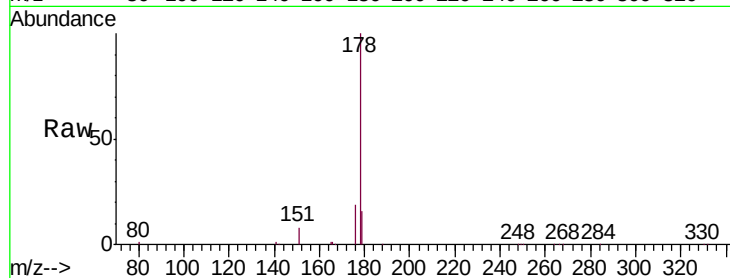
Tgt Ion:178 Resp: 40753

Ion Ratio Lower Upper

178 100

176 18.6 14.6 21.8

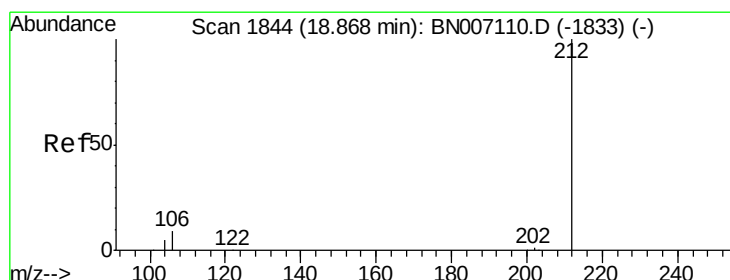
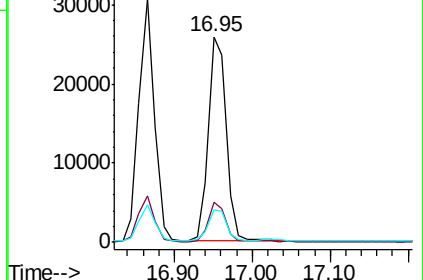
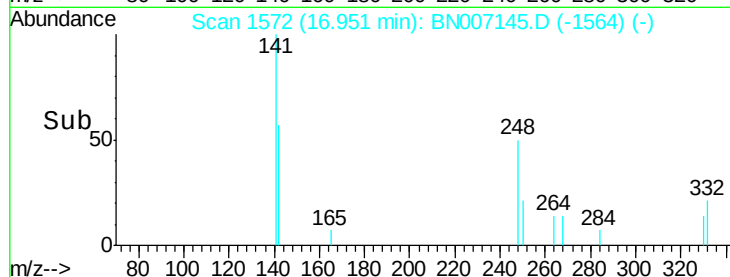
179 15.1 12.5 18.7



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: 0.299 ng

RT: 18.87 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BN007145.D

Acq: 13 Aug 2019 23:07

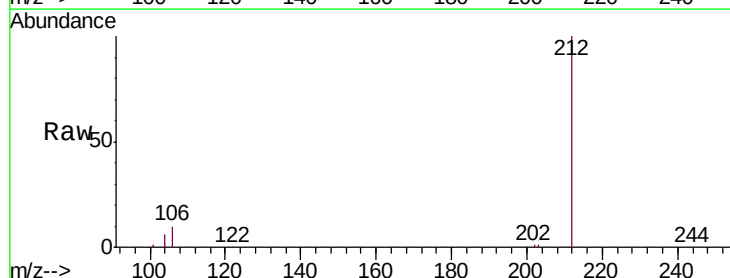
Tgt Ion:212 Resp: 45256

Ion Ratio Lower Upper

212 100

106 10.5 8.2 12.2

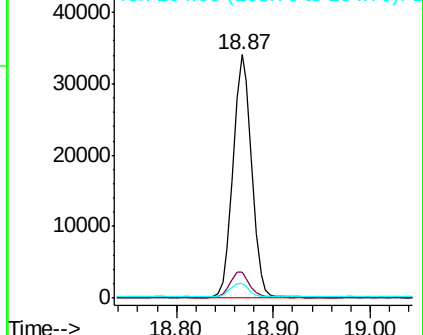
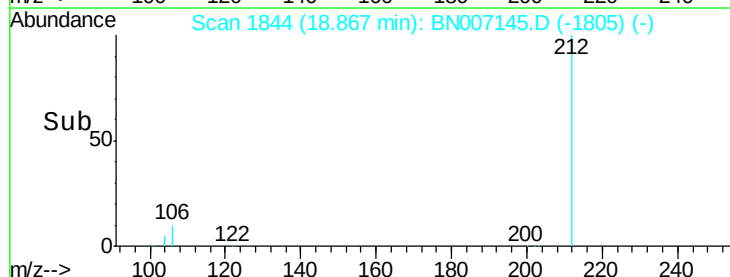
104 5.9 4.5 6.7

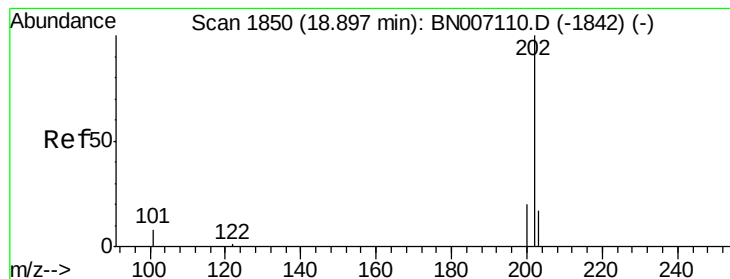


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E





#25

Fluoranthene

Concen: 0.322 ng

RT: 18.90 min Scan# 1850

Delta R.T. -0.01 min

Lab File: BN007145.D

Acq: 13 Aug 2019 23:07

Instrument :

BNA_N

ClientSampleId :

PB122169BS

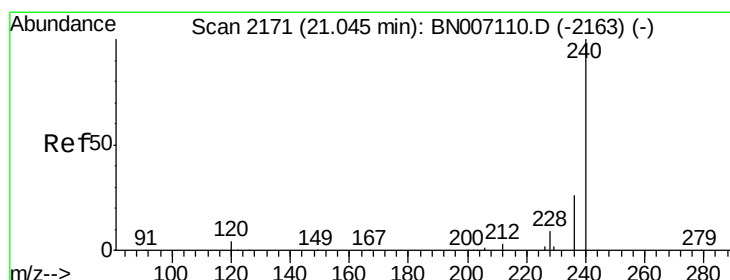
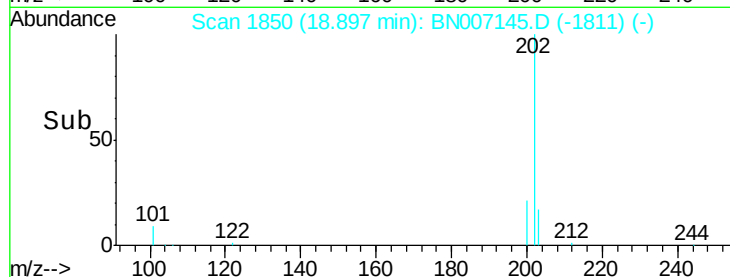
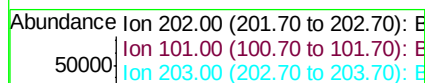
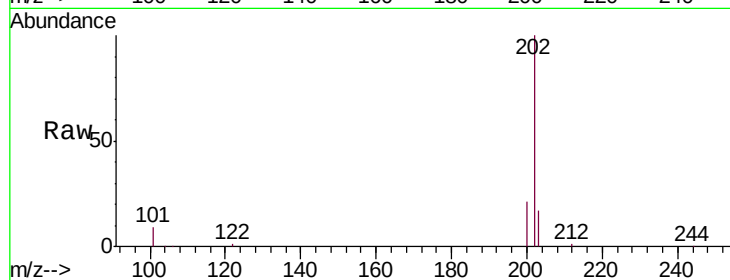
Tgt Ion:202 Resp: 52666

Ion Ratio Lower Upper

202 100

101 8.9 7.0 10.4

203 17.1 13.8 20.8



#26

Chrysene-d12

Concen: 0.400 ng

RT: 21.04 min Scan# 2171

Delta R.T. -0.01 min

Lab File: BN007145.D

Acq: 13 Aug 2019 23:07

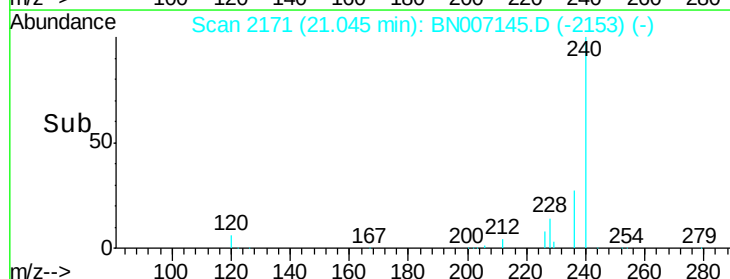
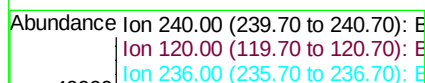
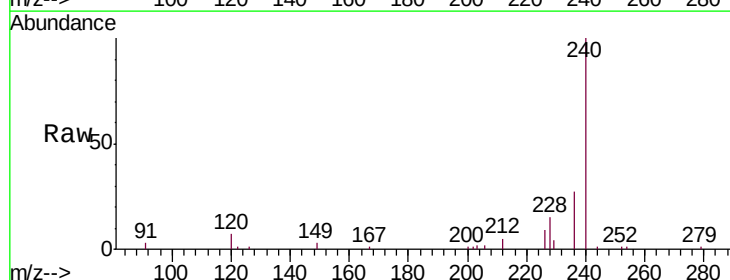
Tgt Ion:240 Resp: 42641

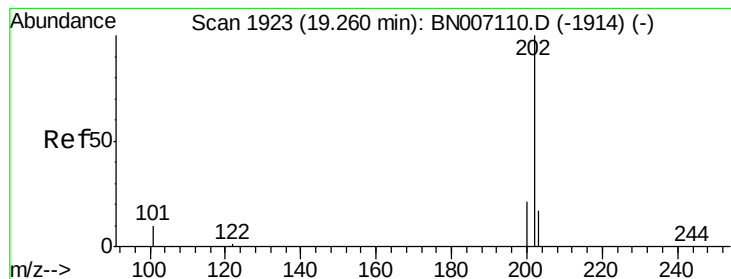
Ion Ratio Lower Upper

240 100

120 7.0 4.0 6.0#

236 27.2 21.3 31.9





#27

Pyrene

Concen: 0.363 ng

RT: 19.26 min Scan# 1924

Delta R.T. -0.01 min

Lab File: BN007145.D

Acq: 13 Aug 2019 23:07

Instrument :

BNA_N

ClientSampleId :

PB122169BS

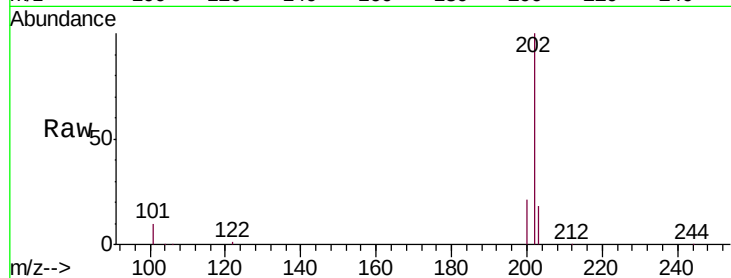
Tgt Ion:202 Resp: 54233

Ion Ratio Lower Upper

202 100

200 20.7 16.6 24.8

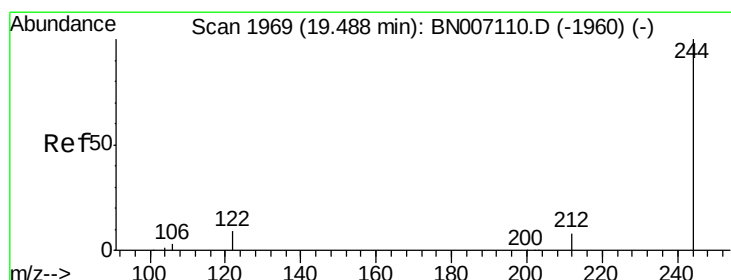
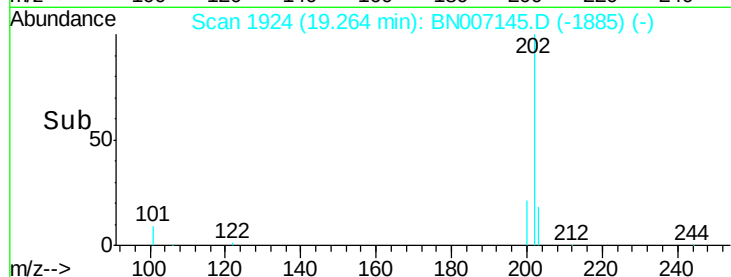
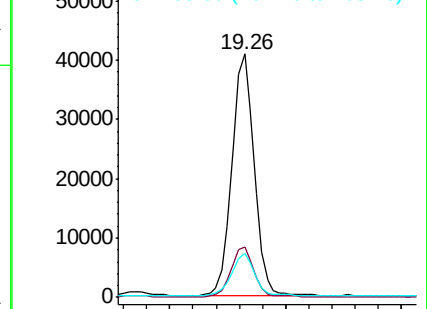
203 18.8 14.0 21.0



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



#28

Terphenyl-d14

Concen: 0.296 ng

RT: 19.49 min Scan# 1969

Delta R.T. -0.01 min

Lab File: BN007145.D

Acq: 13 Aug 2019 23:07

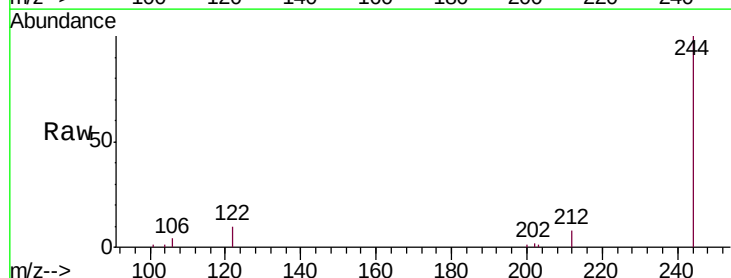
Tgt Ion:244 Resp: 34415

Ion Ratio Lower Upper

244 100

212 8.2 6.2 9.2

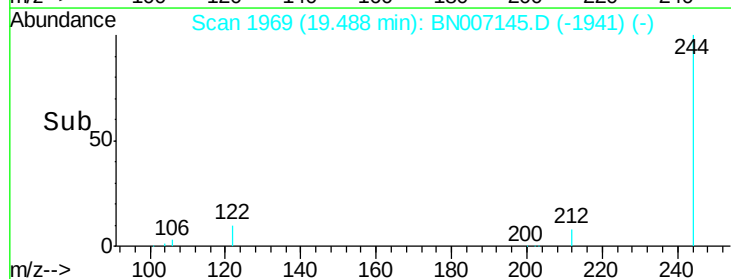
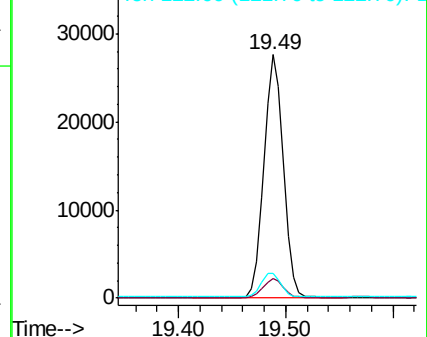
122 10.1 7.4 11.2

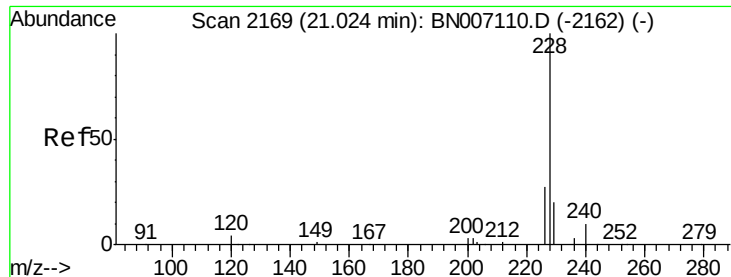


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#29

Benzo(a)anthracene

Concen: 0.340 ng

RT: 21.02 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN007145.D

Acq: 13 Aug 2019 23:07

Instrument :

BNA_N

ClientSampleId :

PB122169BS

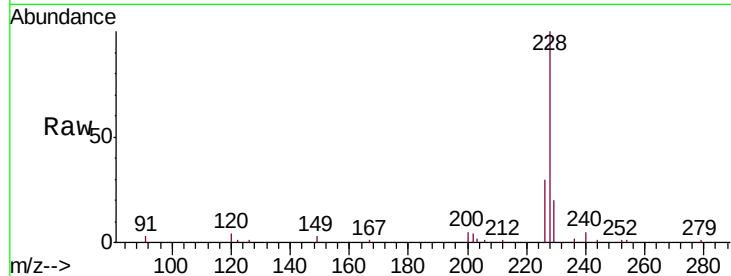
Tgt Ion:228 Resp: 53060

Ion Ratio Lower Upper

228 100

226 30.1 21.8 32.6

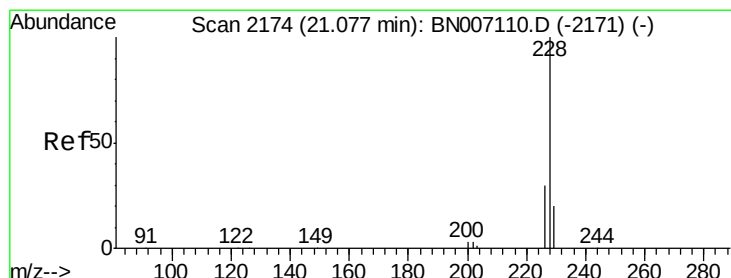
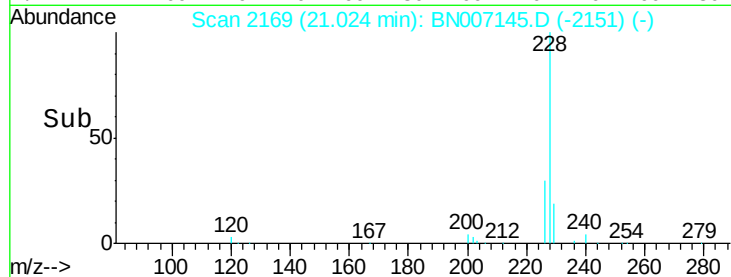
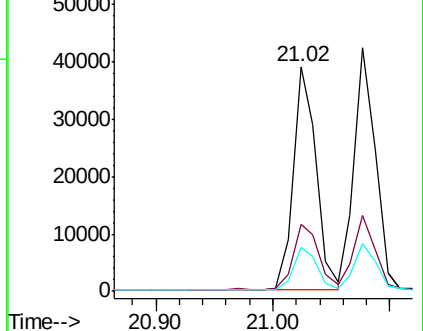
229 19.6 15.6 23.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#30

Chrysene

Concen: 0.347 ng

RT: 21.08 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BN007145.D

Acq: 13 Aug 2019 23:07

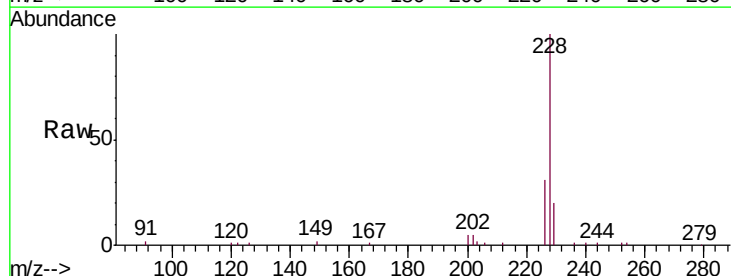
Tgt Ion:228 Resp: 52572

Ion Ratio Lower Upper

228 100

226 31.0 23.8 35.6

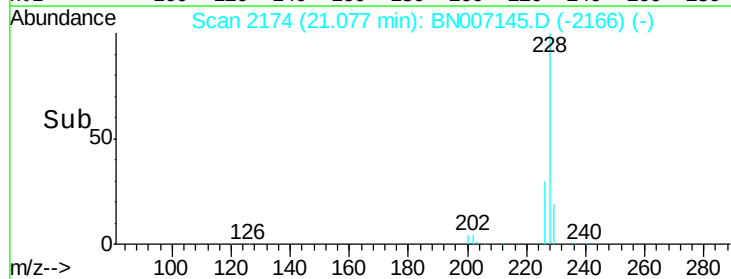
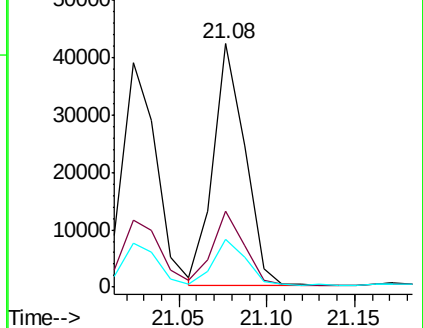
229 19.7 15.7 23.5

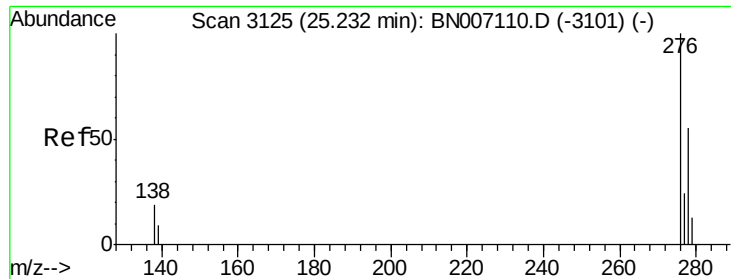


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Indeno(1,2,3-cd)pyrene

Concen: 0.370 ng

RT: 25.24 min Scan# 3127

Delta R.T. -0.01 min

Lab File: BN007145.D

Acq: 13 Aug 2019 23:07

Instrument :

BNA_N

ClientSampleId :

PB122169BS

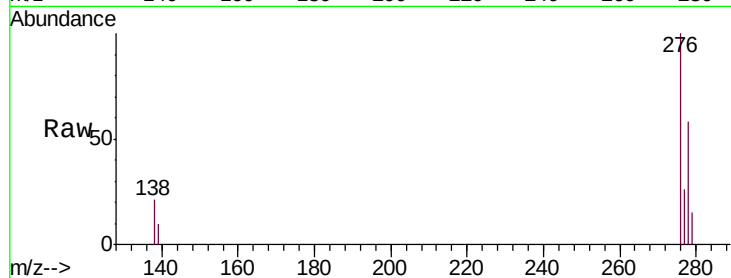
Tgt Ion:276 Resp: 61850

Ion Ratio Lower Upper

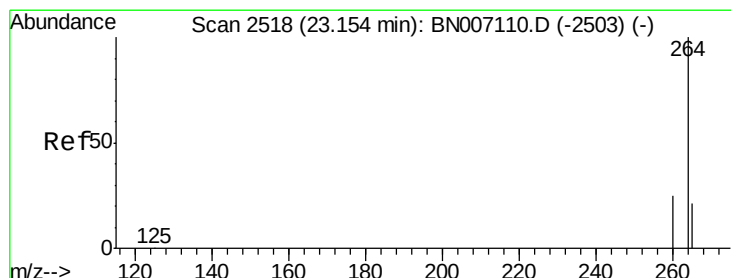
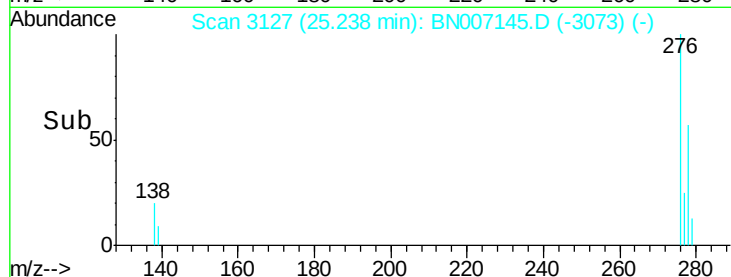
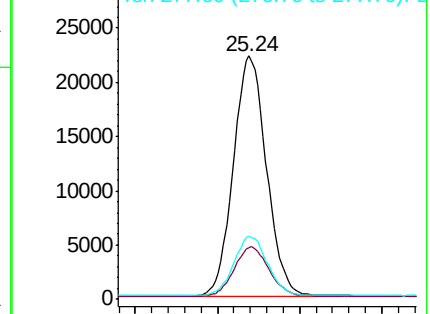
276 100

138 21.2 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: 23.16 min Scan# 2520

Delta R.T. -0.01 min

Lab File: BN007145.D

Acq: 13 Aug 2019 23:07

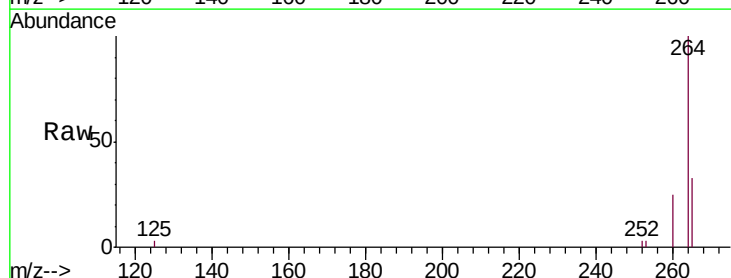
Tgt Ion:264 Resp: 46938

Ion Ratio Lower Upper

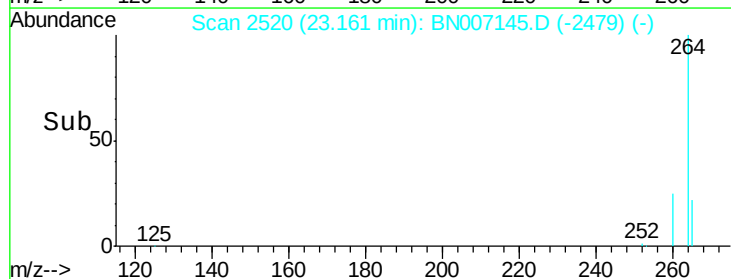
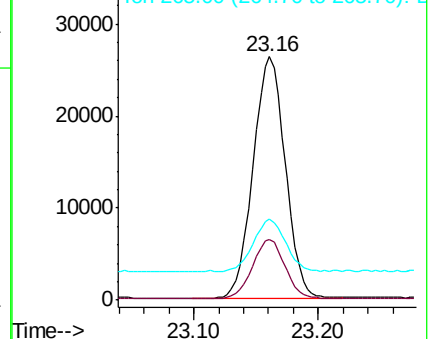
264 100

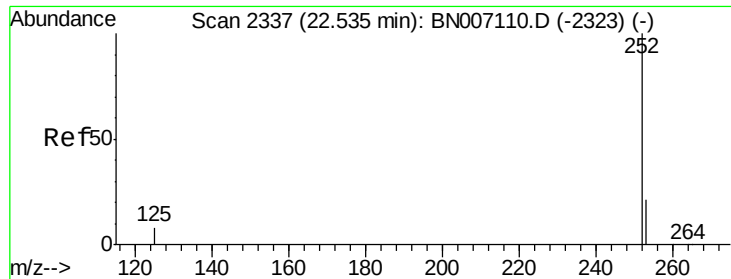
260 25.1 19.8 29.8

265 33.1 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: 0.344 ng

RT: 22.54 min Scan# 2338

Delta R.T. -0.01 min

Lab File: BN007145.D

Acq: 13 Aug 2019 23:07

Instrument :

BNA_N

ClientSampleId :

PB122169BS

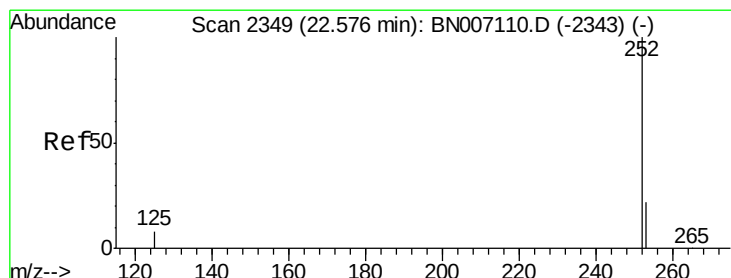
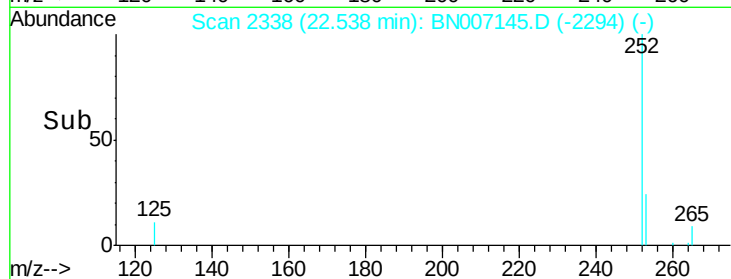
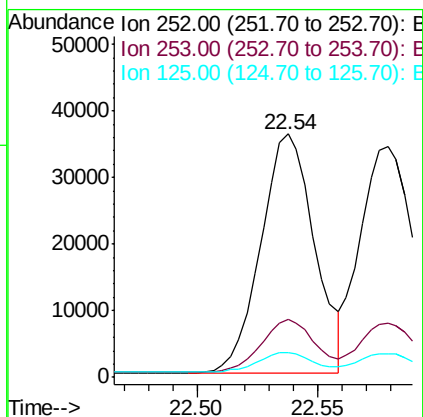
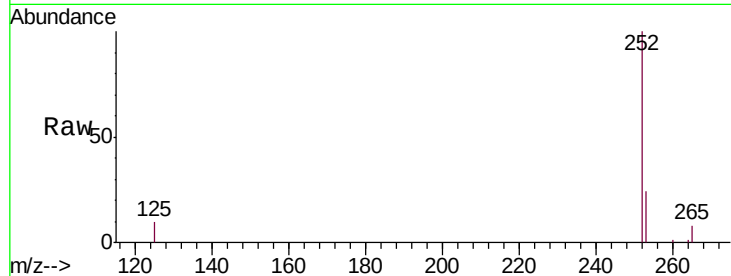
Tgt Ion:252 Resp: 55411

Ion Ratio Lower Upper

252 100

253 23.8 18.2 27.2

125 10.3 7.4 11.0



#34

Benzo(k)fluoranthene

Concen: 0.333 ng

RT: 22.58 min Scan# 2350

Delta R.T. -0.01 min

Lab File: BN007145.D

Acq: 13 Aug 2019 23:07

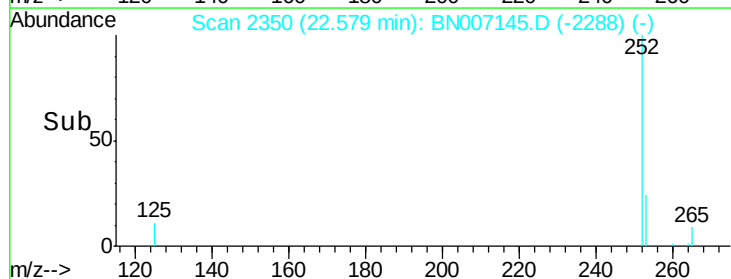
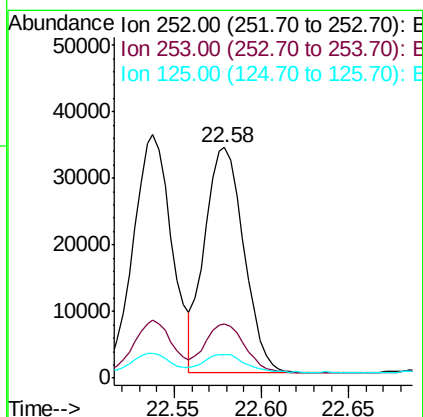
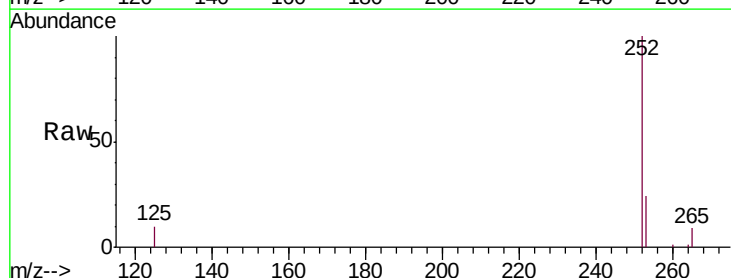
Tgt Ion:252 Resp: 52936

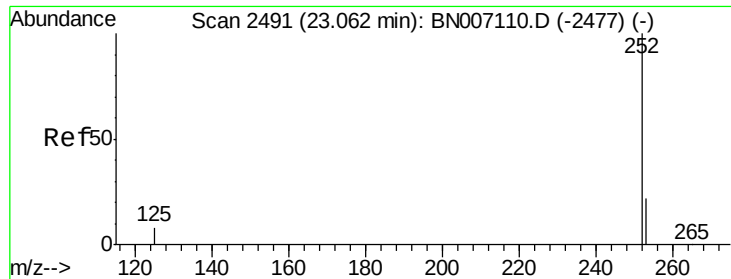
Ion Ratio Lower Upper

252 100

253 23.7 18.1 27.1

125 10.4 7.4 11.0





#35

Benzo(a)pyrene

Concen: 0.363 ng

RT: 23.07 min Scan# 2493

Delta R.T. -0.01 min

Lab File: BN007145.D

Acq: 13 Aug 2019 23:07

Instrument :

BNA_N

ClientSampleId :

PB122169BS

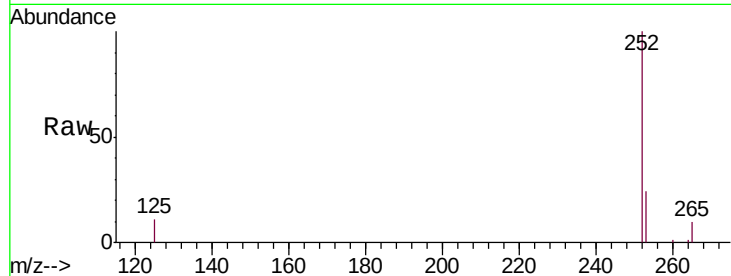
Tgt Ion:252 Resp: 52916

Ion Ratio Lower Upper

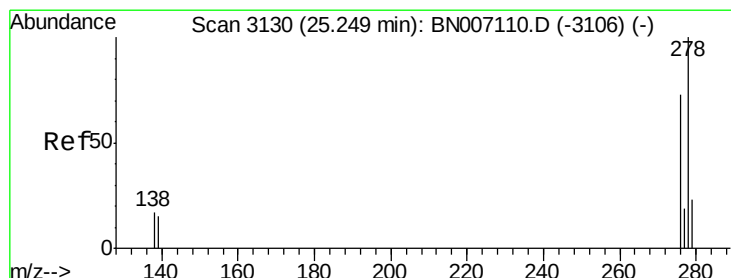
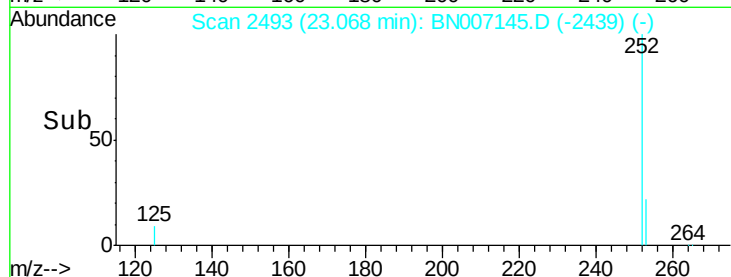
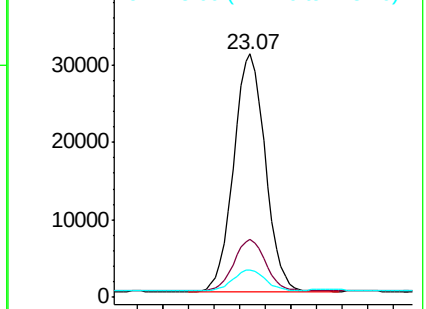
252 100

253 24.0 18.5 27.7

125 11.2 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: 0.350 ng

RT: 25.26 min Scan# 3132

Delta R.T. -0.02 min

Lab File: BN007145.D

Acq: 13 Aug 2019 23:07

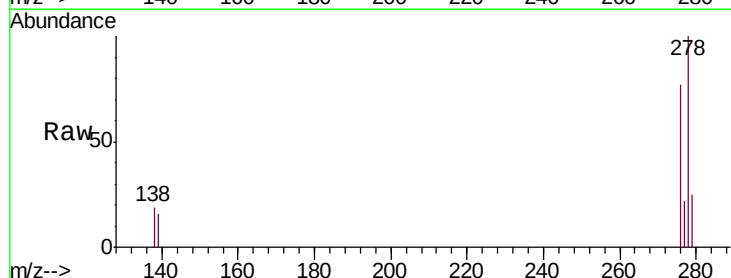
Tgt Ion:278 Resp: 50921

Ion Ratio Lower Upper

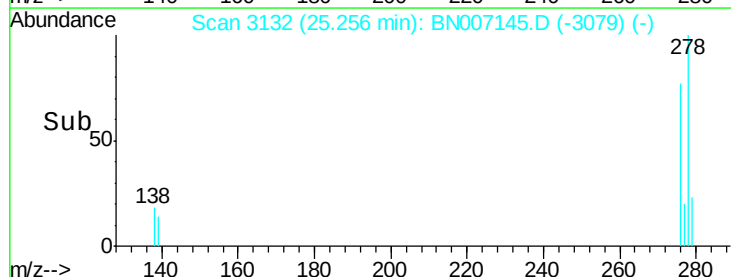
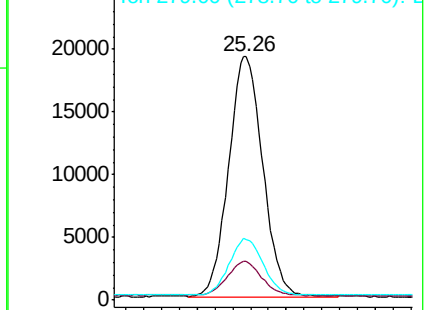
278 100

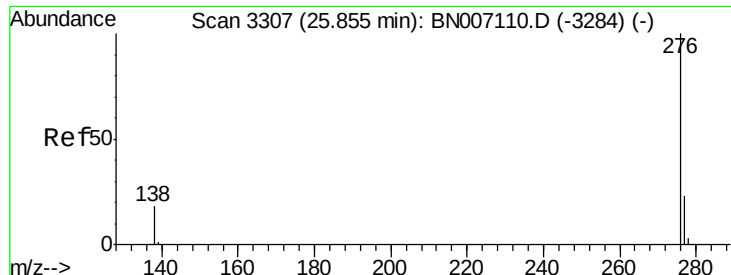
139 15.8 11.3 16.9

279 25.1 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: 0.354 ng

RT: 25.87 min Scan# 3311

Delta R.T. -0.01 min

Lab File: BN007145.D

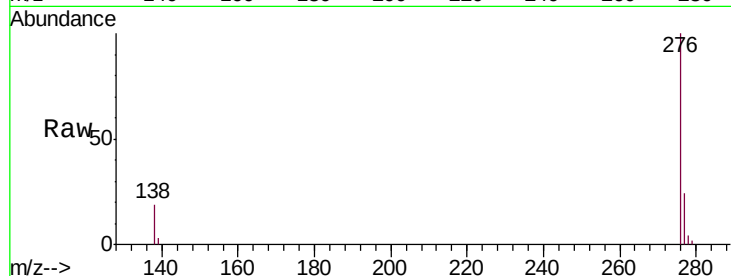
Acq: 13 Aug 2019 23:07

Instrument :

BNA_N

ClientSampleId :

PB122169BS



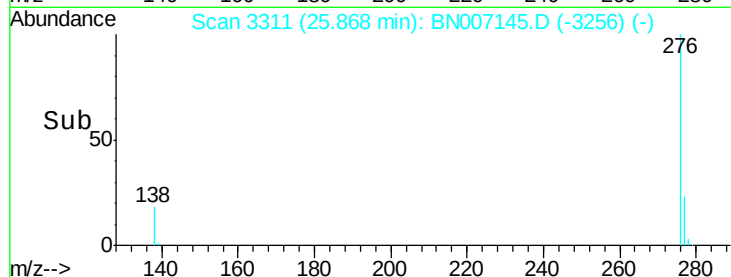
Tgt Ion: 276 Resp: 53020

Ion Ratio Lower Upper

276 100

277 24.4 19.8 29.8

138 19.1 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

