

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN081019\
 Data File : BN007078.D
 Acq On : 11 Aug 2019 09:48
 Operator : HP/JU
 Sample : K4143-02MS
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :

Quant Time: Aug 12 04:42:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN081019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Aug 10 21:44:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.43	152	9857	0.40	ng	0.00
6) Naphthalene-d8	10.19	136	37785	0.40	ng	0.00
12) Acenaphthene-d10	14.08	164	21949	0.40	ng	0.00
18) Phenanthrene-d10	16.82	188	55734	0.40	ng	0.00
26) Chrysene-d12	21.04	240	57817	0.40	ng	-0.01
32) Perylene-d12	23.16	264	63978	0.40	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
3) 2-Fluorophenol	5.06	112	5217	0.22	ng	0.00
4) Phenol-d6	6.61	99	7037	0.24	ng	0.00
7) Nitrobenzene-d5	8.56	82	5283	0.17	ng	0.00
10) 2-Methylnaphthalene-d10	11.79	152	14412	0.20	ng	0.00
13) 2,4,6-Tribromophenol	15.57	330	1665	0.14	ng	0.00
14) 2-Fluorobiphenyl	12.71	172	4196	0.13	ng	0.00
24) Fluoranthene-d10	18.87	212	37912	0.19	ng	0.00
28) Terphenyl-d14	19.49	244	30046	0.19	ng	-0.01

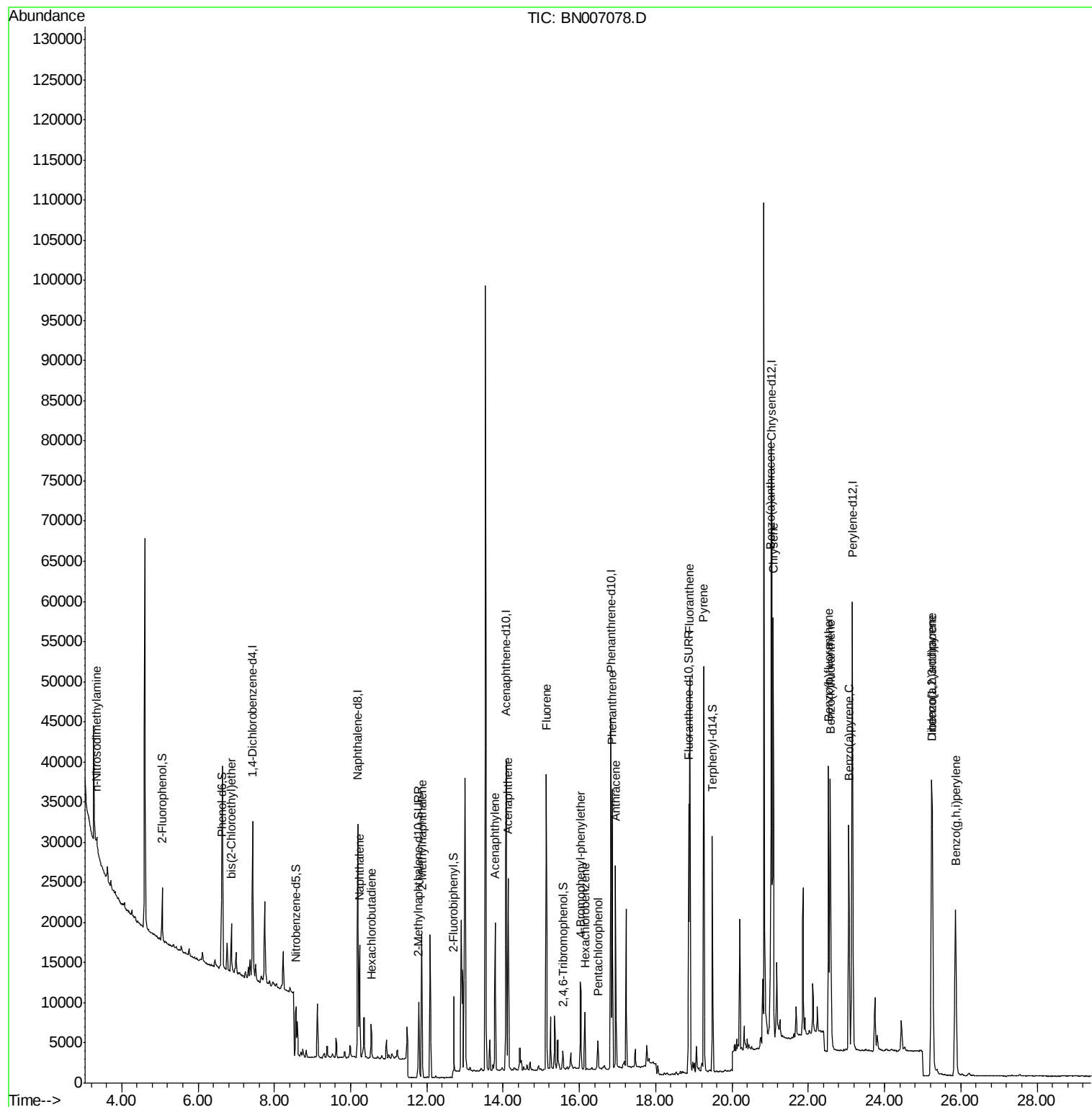
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) n-Nitrosodimethylamine	3.34	42	1618	0.249	ng	# 85
5) bis(2-Chloroethyl)ether	6.87	93	4806	0.185	ng	99
8) Naphthalene	10.24	128	17621	0.166	ng	100
9) Hexachlorobutadiene	10.54	225	3505	0.155	ng	# 99
11) 2-Methylnaphthalene	11.86	142	12853	0.171	ng	97
15) Acenaphthylene	13.79	152	19873	0.173	ng	99
16) Acenaphthene	14.13	154	12415	0.169	ng	100
17) Fluorene	15.13	166	16868	0.153	ng	99
19) 4-Bromophenyl-phenylether	16.03	248	6463	0.187	ng	# 81
20) Hexachlorobenzene	16.14	284	5657	0.171	ng	100
21) Pentachlorophenol	16.48	266	1800	0.146	ng	97
22) Phenanthrene	16.87	178	33689	0.202	ng	100
23) Anthracene	16.95	178	29074	0.191	ng	99
25) Fluoranthene	18.90	202	44311	0.207	ng	100
27) Pyrene	19.26	202	45995	0.227	ng	99
29) Benzo(a)anthracene	21.02	228	42672	0.202	ng	99
30) Chrysene	21.08	228	40903	0.199	ng	99
31) Indeno(1,2,3-cd)pyrene	25.24	276	49729	0.220	ng	99
33) Benzo(b)fluoranthene	22.53	252	44083	0.201	ng	99
34) Benzo(k)fluoranthene	22.58	252	42349	0.195	ng	98
35) Benzo(a)pyrene	23.06	252	38993	0.196	ng	99
36) Dibenzo(a,h)anthracene	25.26	278	39719	0.200	ng	# 96
37) Benzo(g,h,i)perylene	25.86	276	42568	0.209	ng	100

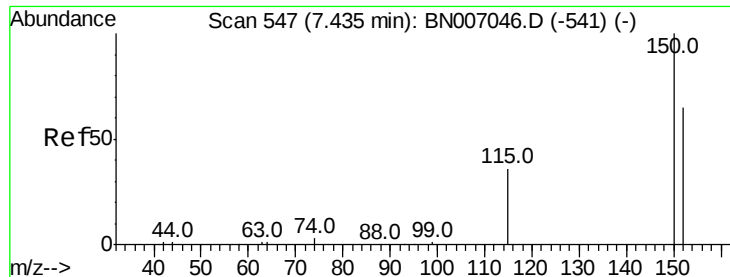
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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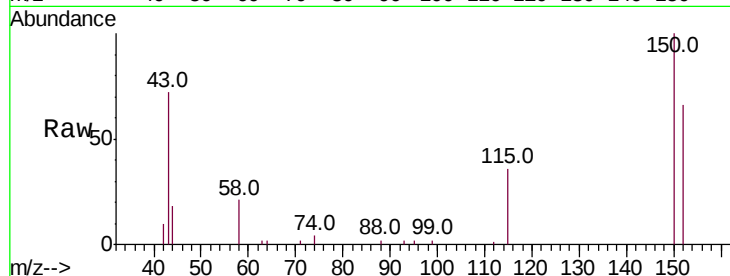


#1

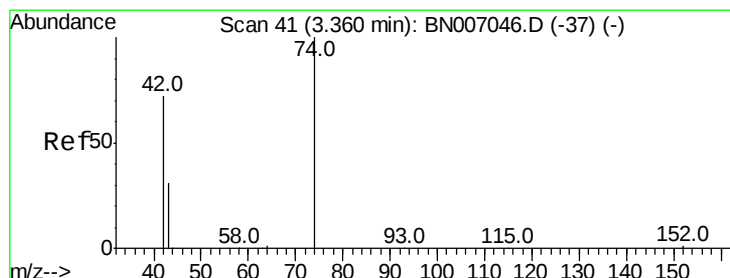
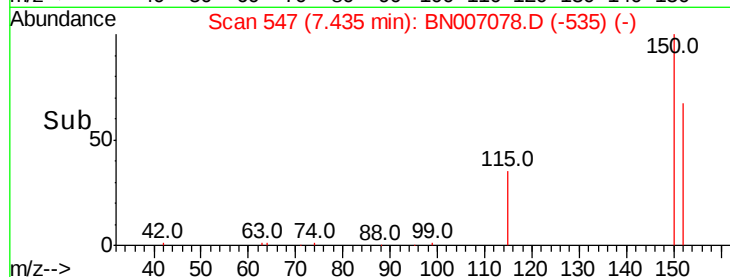
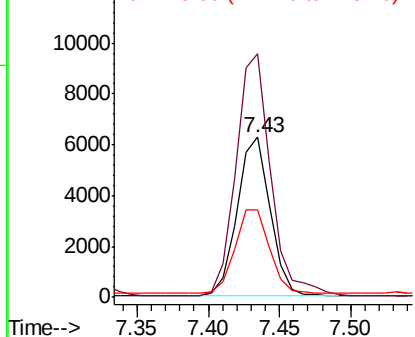
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.43 min Scan# 547
Delta R.T. -0.00 min
Lab File: BN007078.D
Acq: 11 Aug 2019 09:48

Instrument :
BNA_N
ClientSampleId :

Tot Ion:152 Resp: 9857
Ion Ratio Lower Upper
152 100
150 151.9 121.7 182.5
115 54.4 46.2 69.4



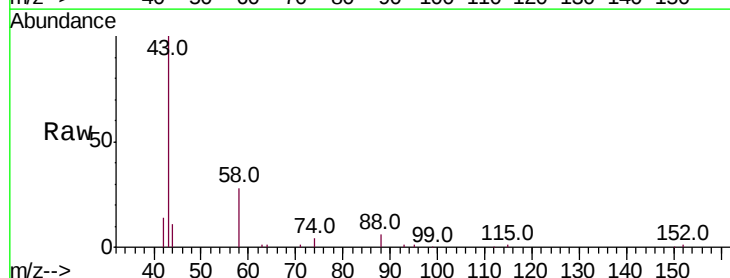
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



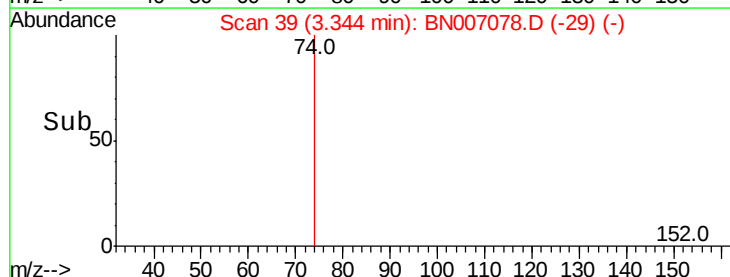
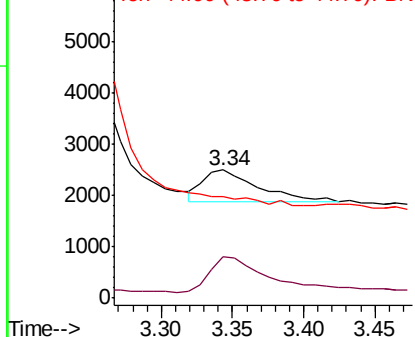
#2

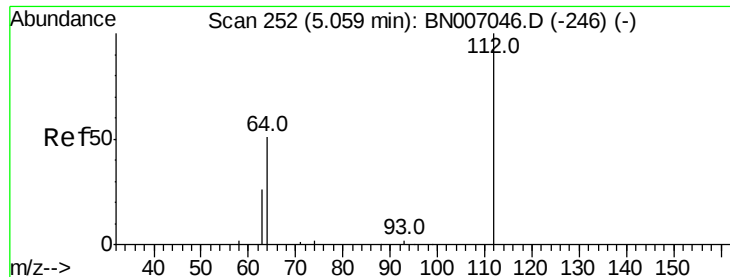
n-Nitrosodimethylamine
Concen: 0.249 ng
RT: 3.34 min Scan# 39
Delta R.T. -0.02 min
Lab File: BN007078.D
Acq: 11 Aug 2019 09:48

Tgt Ion: 42 Resp: 1618
Ion Ratio Lower Upper
42 100
74 120.0 110.6 166.0
44 0.0 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: 0.220 ng

RT: 5.06 min Scan# 252

Delta R.T. -0.00 min

Lab File: BN007078.D

Acq: 11 Aug 2019 09:48

Instrument :

BNA_N

ClientSampled :

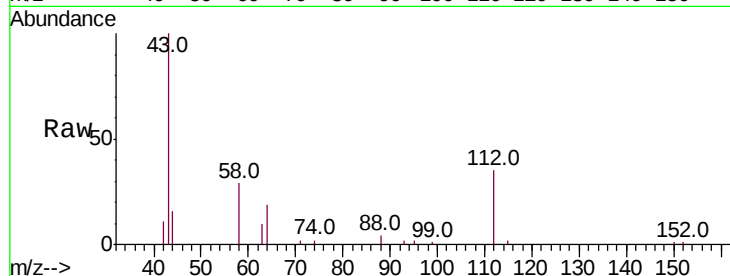
Tot Ion:112 Resp: 5217

Ion Ratio Lower Upper

112 100

64 54.2 42.6 63.8

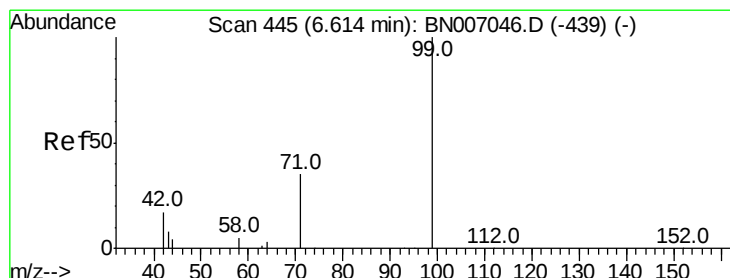
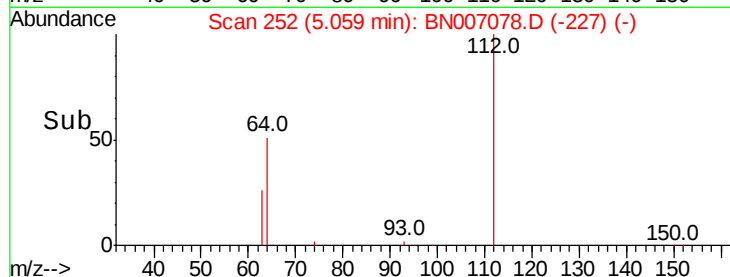
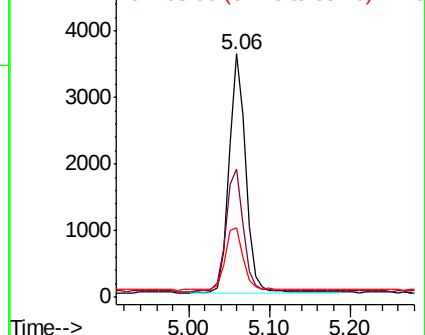
63 28.1 22.2 33.2



Abundance Ion 112.00 (111.70 to 112.70): BNC

Ion 64.00 (63.70 to 64.70): BNC

Ion 63.00 (62.70 to 63.70): BNC



#4

Phenol-d6

Concen: 0.240 ng

RT: 6.61 min Scan# 445

Delta R.T. -0.00 min

Lab File: BN007078.D

Acq: 11 Aug 2019 09:48

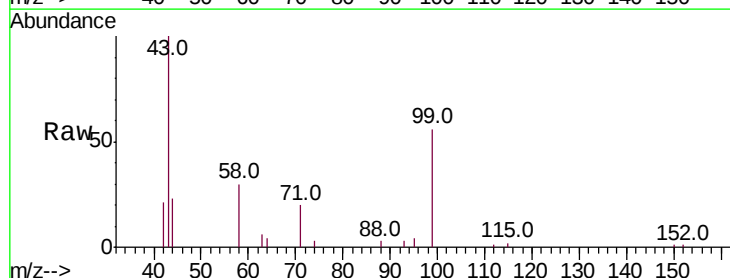
Tgt Ion: 99 Resp: 7037

Ion Ratio Lower Upper

99 100

42 0.0 15.8 23.6#

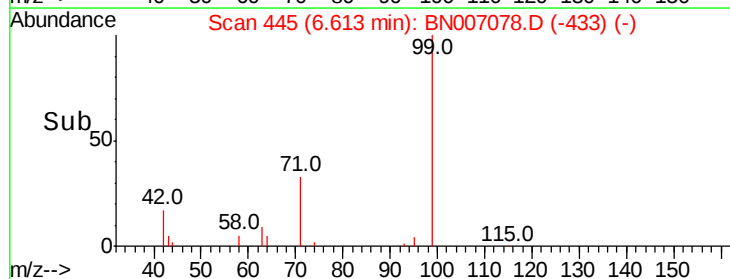
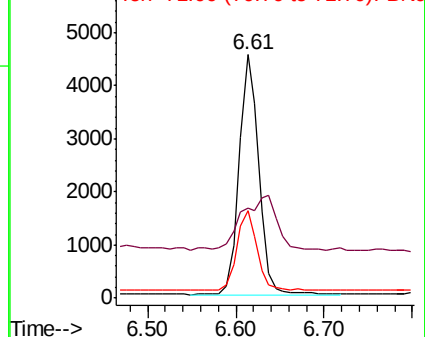
71 33.9 27.0 40.4

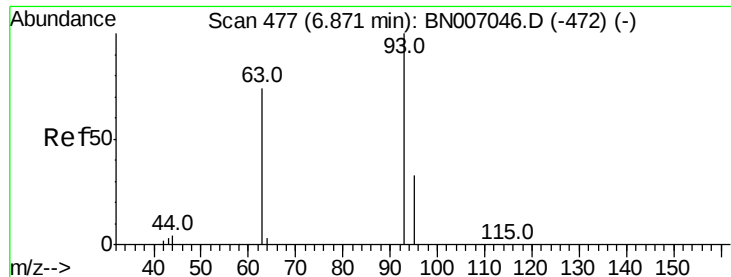


Abundance Ion 99.00 (98.70 to 99.70): BNC

Ion 42.00 (41.70 to 42.70): BNC

Ion 71.00 (70.70 to 71.70): BNC





#5

bis(2-Chloroethyl)ether

Concen: 0.185 ng

RT: 6.87 min Scan# 477

Delta R.T. -0.00 min

Lab File: BN007078.D

Acq: 11 Aug 2019 09:48

Instrument :

BNA_N

ClientSampleId :

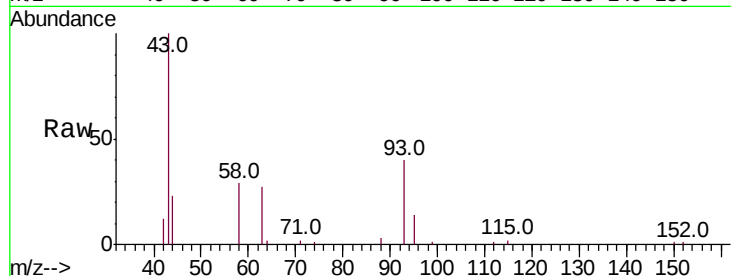
Tot Ion: 93 Resp: 4806

Ion Ratio Lower Upper

93 100

63 69.7 55.6 83.4

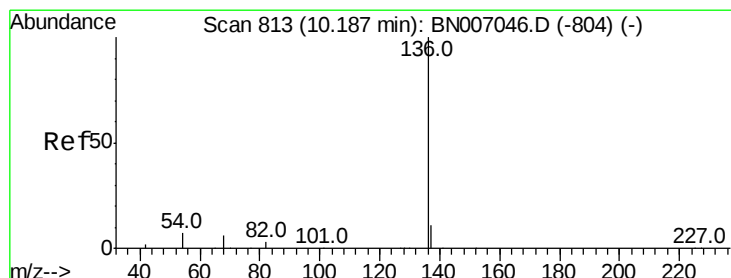
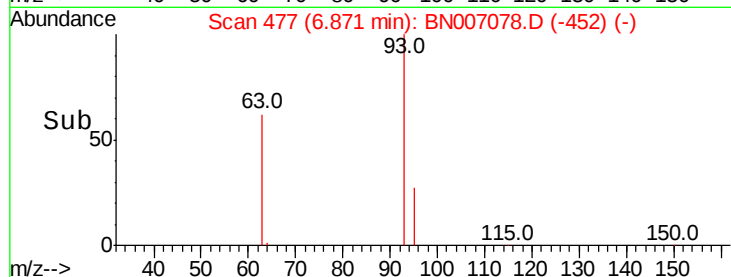
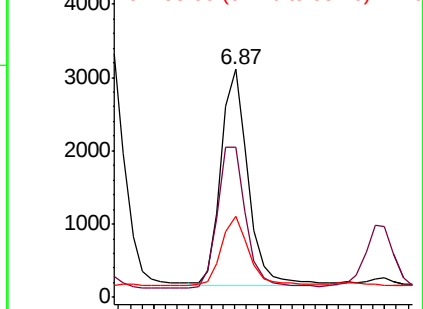
95 32.3 26.7 40.1



Abundance Ion 93.00 (92.70 to 93.70): BN007046.D (-472) (-)

Ion 63.00 (62.70 to 63.70): BN007046.D (-472) (-)

Ion 95.00 (94.70 to 95.70): BN007046.D (-472) (-)



#6

Naphthalene-d8

Concen: 0.400 ng

RT: 10.19 min Scan# 813

Delta R.T. -0.00 min

Lab File: BN007078.D

Acq: 11 Aug 2019 09:48

Tgt Ion: 136 Resp: 37785

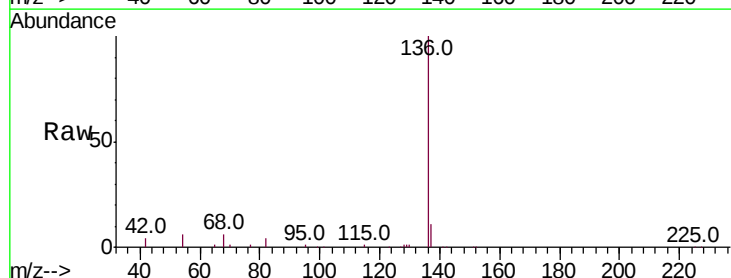
Ion Ratio Lower Upper

136 100

137 11.1 9.4 14.0

54 6.4 6.6 9.8#

68 5.7 6.0 9.0#

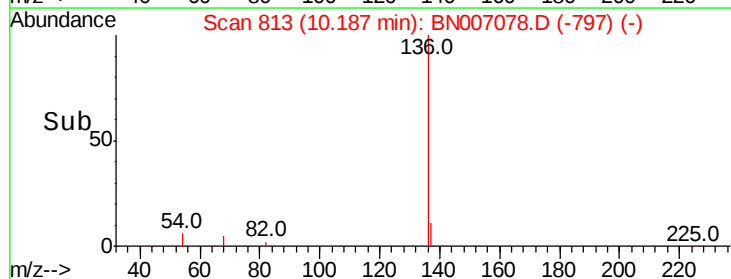
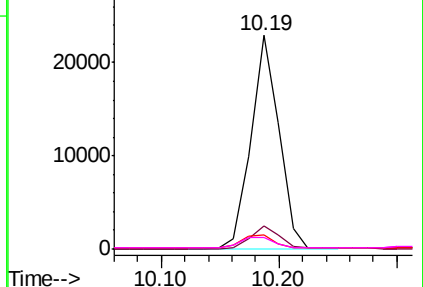


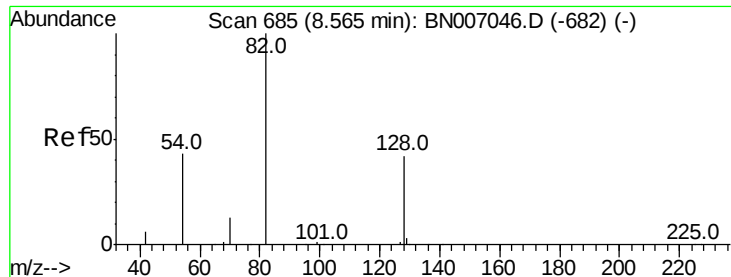
Abundance Ion 136.00 (135.70 to 136.70): BN007046.D (-804) (-)

Ion 137.00 (136.70 to 137.70): BN007046.D (-804) (-)

Ion 54.00 (53.70 to 54.70): BN007046.D (-804) (-)

Ion 68.00 (67.70 to 68.70): BN007046.D (-804) (-)





#7

Nitrobenzene-d5

Concen: 0.173 ng

RT: 8.56 min Scan# 685

Delta R.T. -0.00 min

Lab File: BN007078.D

Acq: 11 Aug 2019 09:48

Instrument :

BNA_N

ClientSampleId :

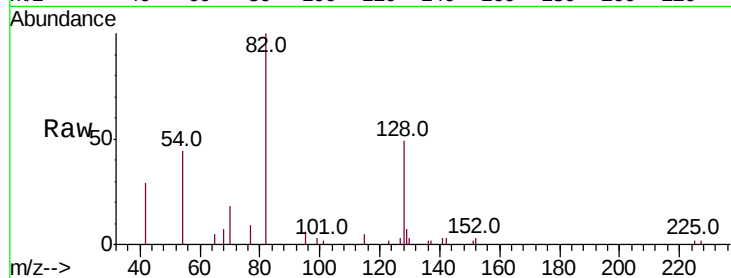
Tot Ion: 82 Resp: 5283

Ion Ratio Lower Upper

82 100

128 48.9 34.6 51.8

54 43.7 36.2 54.4



Abundance Ion 82.00 (81.70 to 82.70): BN007046.D (-682) (-)

Ion 128.00 (127.70 to 128.70): BN007046.D (-682) (-)

Ion 54.00 (53.70 to 54.70): BN007046.D (-682) (-)

8.56

3000

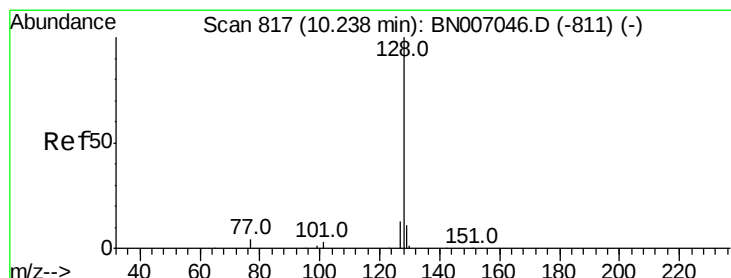
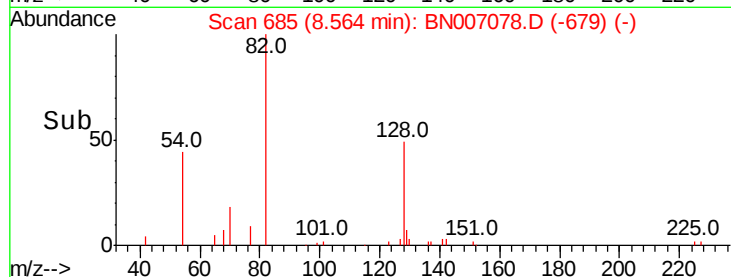
2000

1000

0

8.50 8.55 8.60 8.65

Time-->



#8

Naphthalene

Concen: 0.166 ng

RT: 10.24 min Scan# 817

Delta R.T. -0.00 min

Lab File: BN007078.D

Acq: 11 Aug 2019 09:48

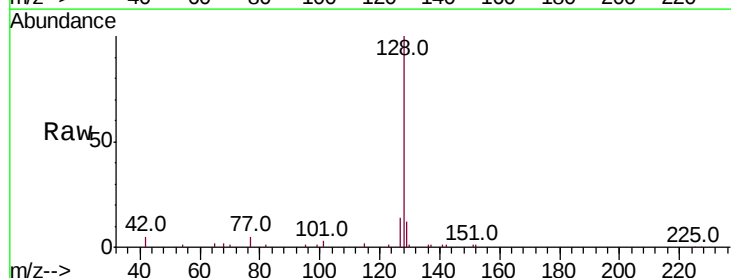
Tgt Ion: 128 Resp: 17621

Ion Ratio Lower Upper

128 100

129 11.9 9.4 14.2

127 13.7 11.0 16.6



Abundance Ion 128.00 (127.70 to 128.70): BN007046.D (-811) (-)

Ion 129.00 (128.70 to 129.70): BN007046.D (-811) (-)

Ion 127.00 (126.70 to 127.70): BN007046.D (-811) (-)

10.24

15000

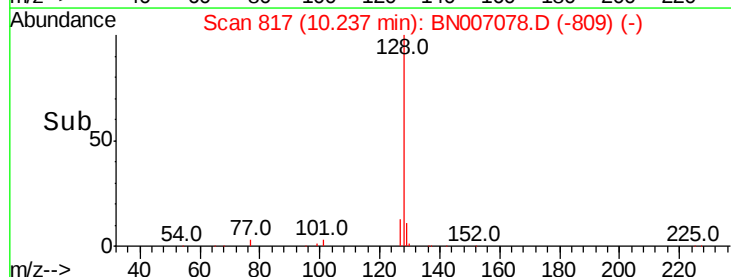
10000

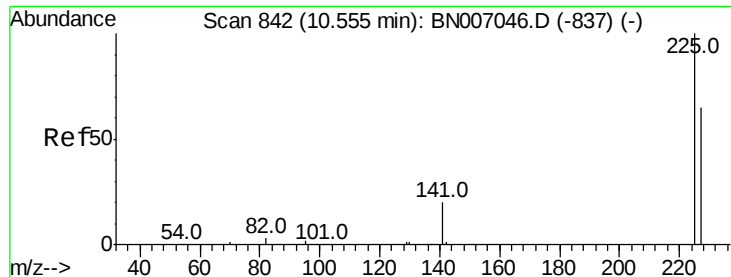
5000

0

10.10 10.20 10.30

Time-->





#9

Hexachlorobutadiene

Concen: 0.155 ng

RT: 10.54 min Scan# 841

Delta R.T. -0.01 min

Lab File: BN007078.D

Acq: 11 Aug 2019 09:48

Instrument :

BNA_N

ClientSampled :

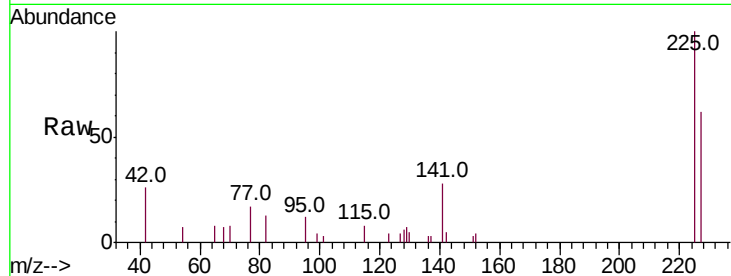
Tot Ion:225 Resp: 3505

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

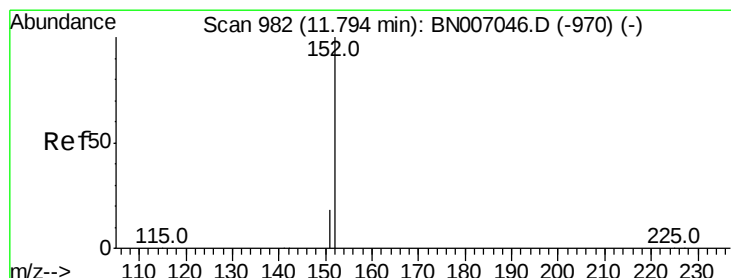
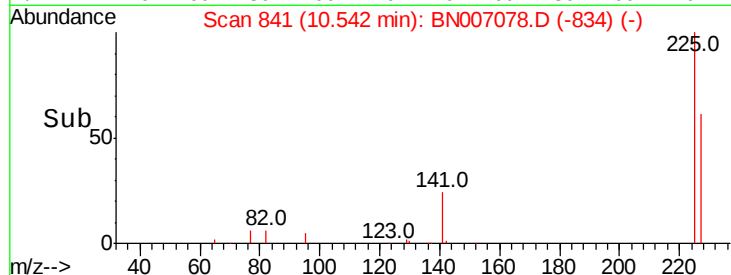
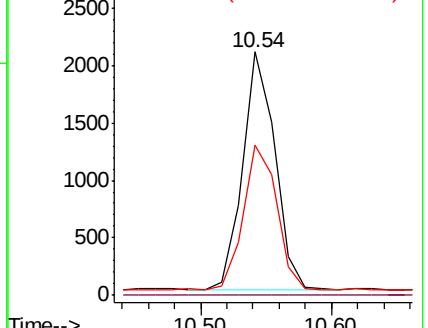
227 63.2 51.1 76.7



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: 0.205 ng

RT: 11.79 min Scan# 981

Delta R.T. -0.00 min

Lab File: BN007078.D

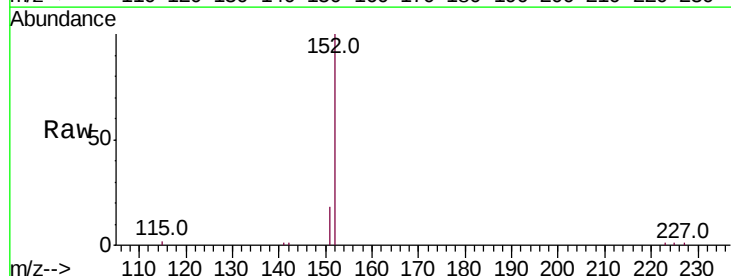
Acq: 11 Aug 2019 09:48

Tgt Ion:152 Resp: 14412

Ion Ratio Lower Upper

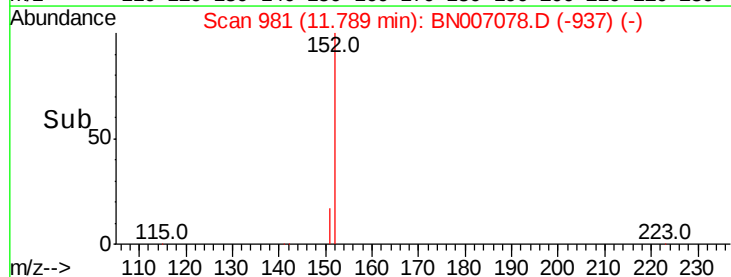
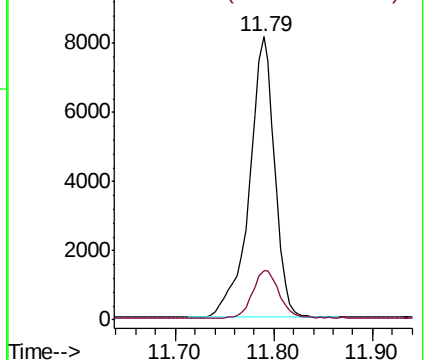
152 100

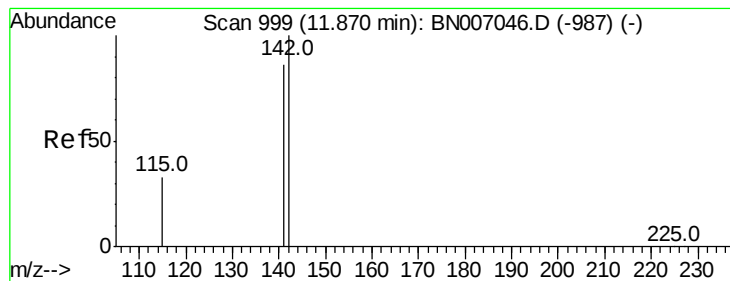
151 17.4 15.5 23.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E





#11

2-Methylnaphthalene

Concen: 0.171 ng

RT: 11.86 min Scan# 998

Delta R.T. -0.00 min

Lab File: BN007078.D

Acq: 11 Aug 2019 09:48

Instrument :

BNA_N

ClientSampled :

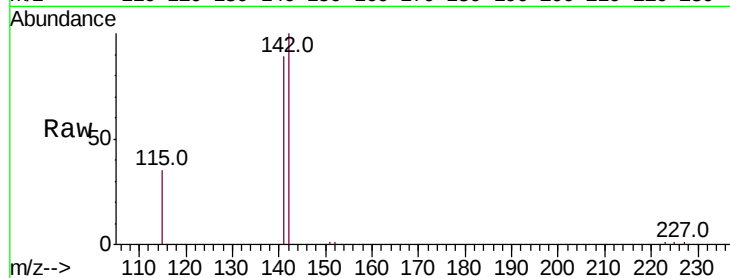
Tot Ion:142 Resp: 12853

Ion Ratio Lower Upper

142 100

141 88.9 69.0 103.6

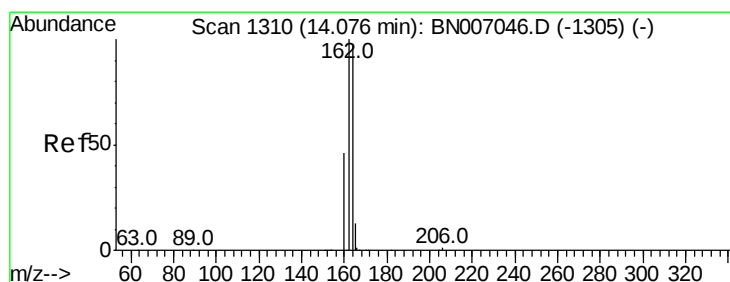
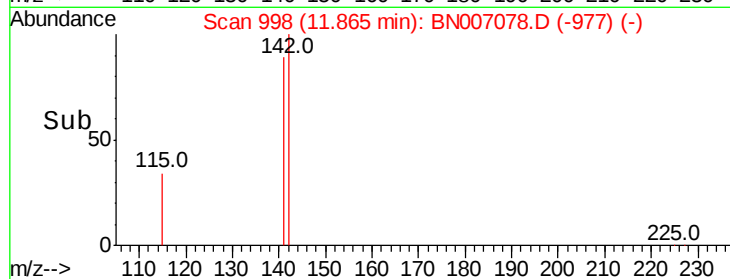
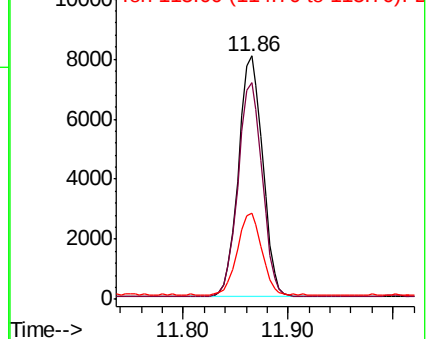
115 35.5 27.1 40.7



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: BN007078.D

Acq: 11 Aug 2019 09:48

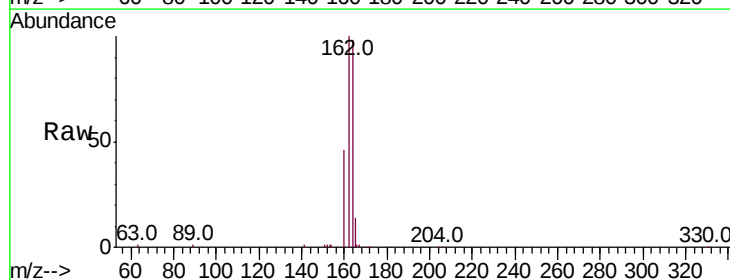
Tgt Ion:164 Resp: 21949

Ion Ratio Lower Upper

164 100

162 101.7 82.2 123.4

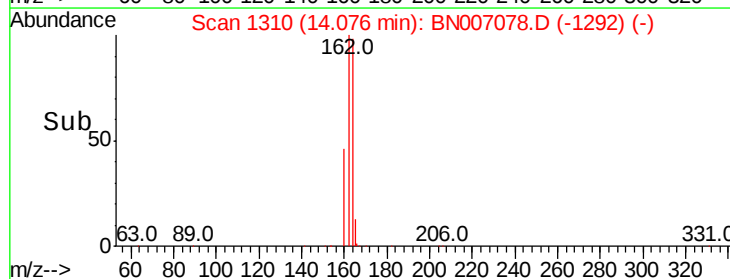
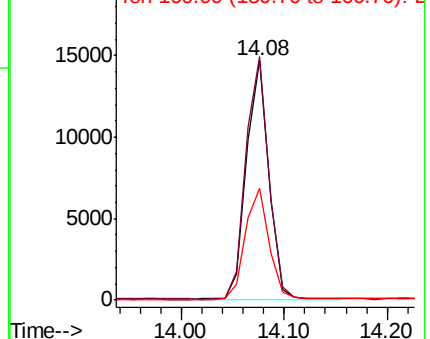
160 46.6 38.3 57.5

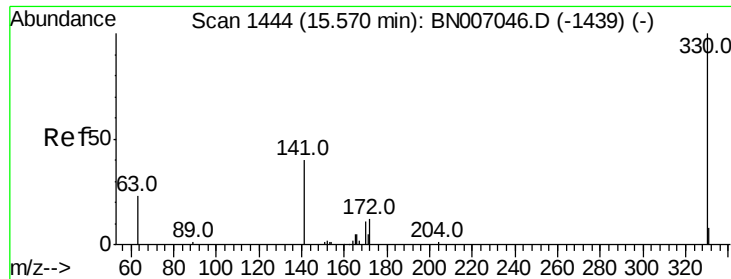


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

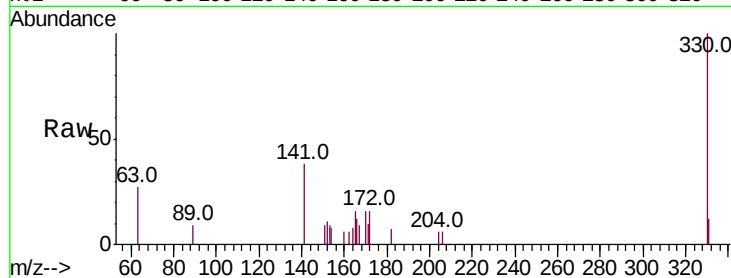




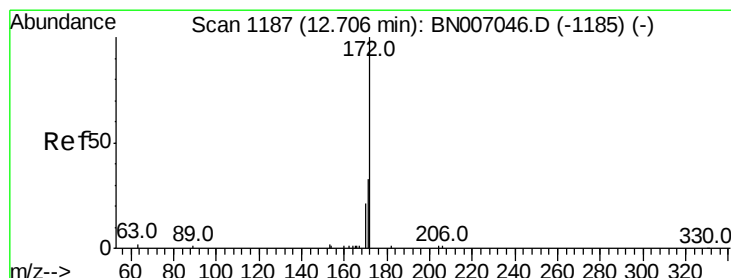
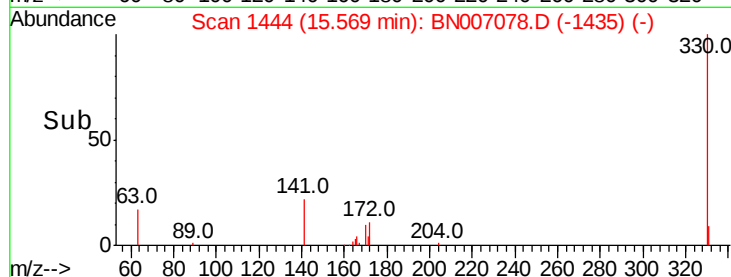
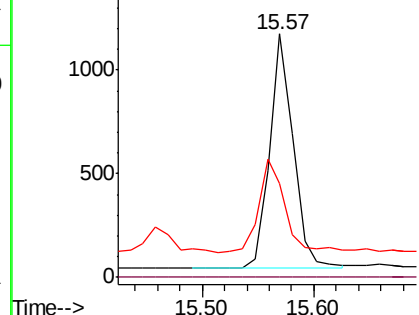
#13
 2,4,6-Tribromophenol
 Concen: 0.141 ng
 RT: 15.57 min Scan# 1444
 Delta R.T. -0.00 min
 Lab File: BN007078.D
 Acq: 11 Aug 2019 09:48

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:330 Resp: 1665
 Ion Ratio Lower Upper
 330 100
 332 0.0 0.0 0.0
 141 44.9 33.6 50.4

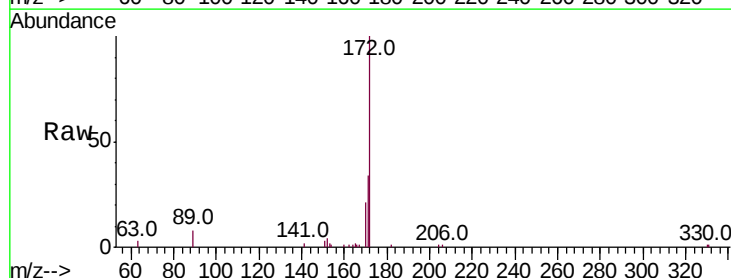


Abundance Ion 330.00 (329.70 to 330.70): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

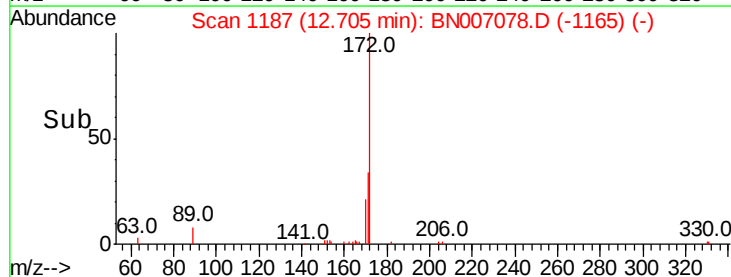
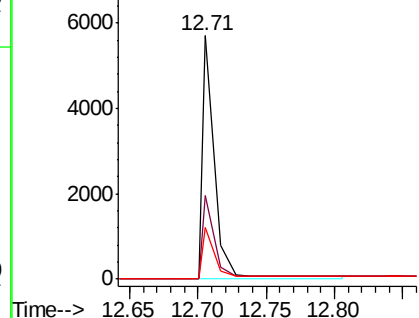


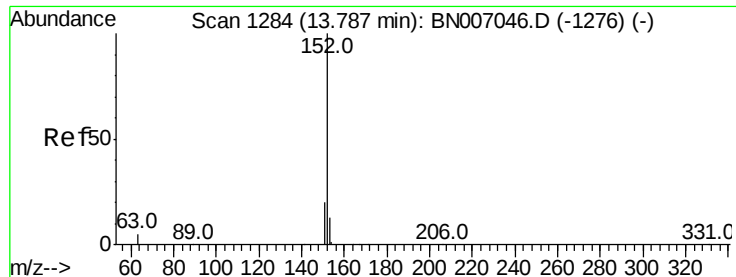
#14
 2-Fluorobiphenyl
 Concen: 0.131 ng
 RT: 12.71 min Scan# 1187
 Delta R.T. -0.00 min
 Lab File: BN007078.D
 Acq: 11 Aug 2019 09:48

Tgt Ion:172 Resp: 4196
 Ion Ratio Lower Upper
 172 100
 171 34.1 26.3 39.5
 170 21.2 17.0 25.4



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





#15

Acenaphthylene

Concen: 0.173 ng

RT: 13.79 min Scan# 1284

Delta R.T. -0.00 min

Lab File: BN007078.D

Acq: 11 Aug 2019 09:48

Instrument :

BNA_N

ClientSampleId :

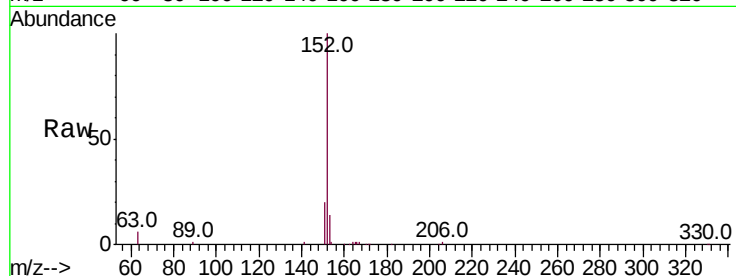
Tot Ion:152 Resp: 19873

Ion Ratio Lower Upper

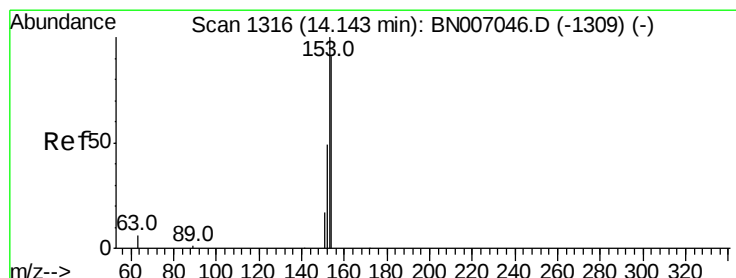
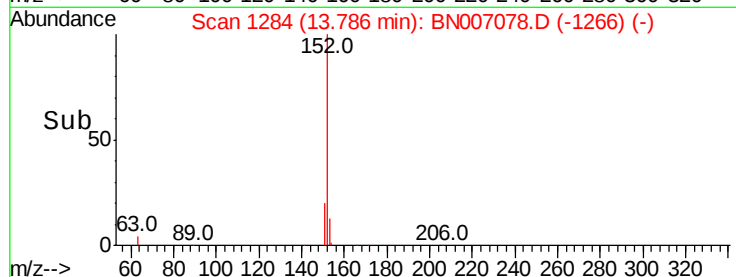
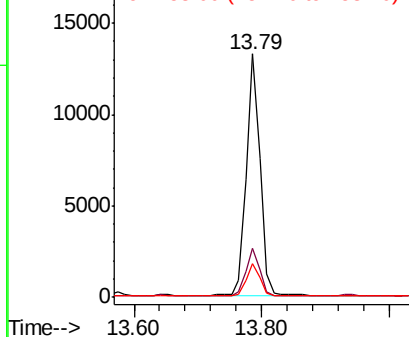
152 100

151 20.0 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: 0.169 ng

RT: 14.13 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BN007078.D

Acq: 11 Aug 2019 09:48

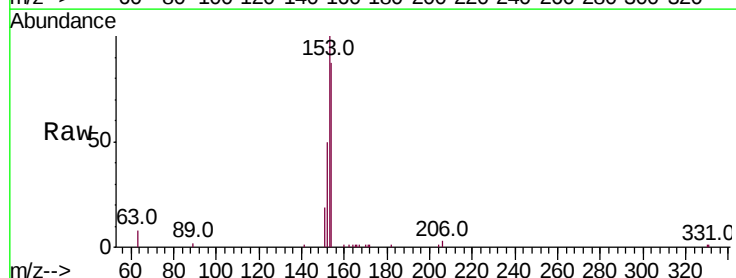
Tgt Ion:154 Resp: 12415

Ion Ratio Lower Upper

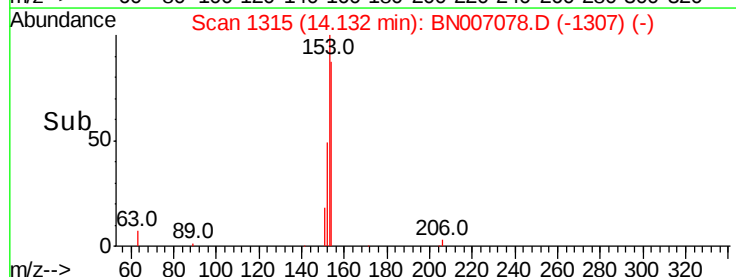
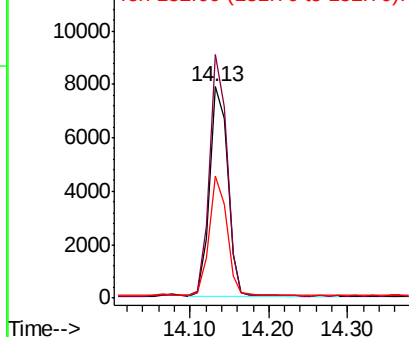
154 100

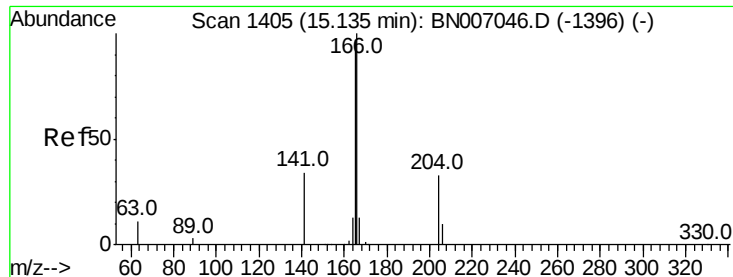
153 112.0 89.5 134.3

152 55.9 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



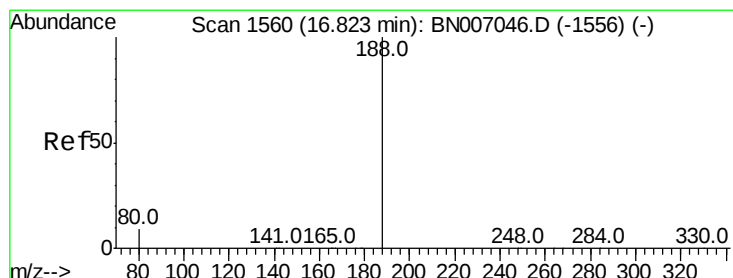
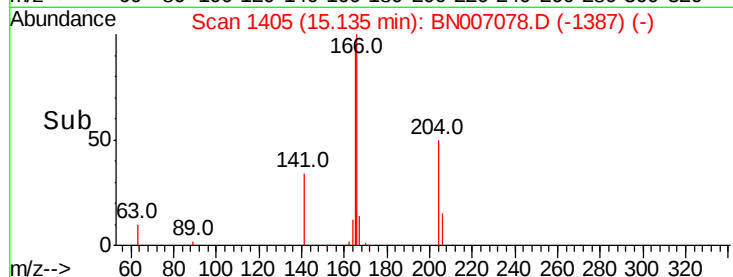
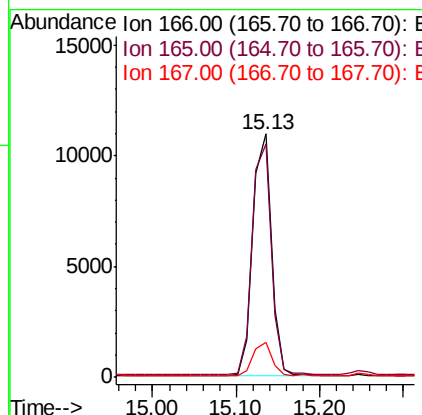
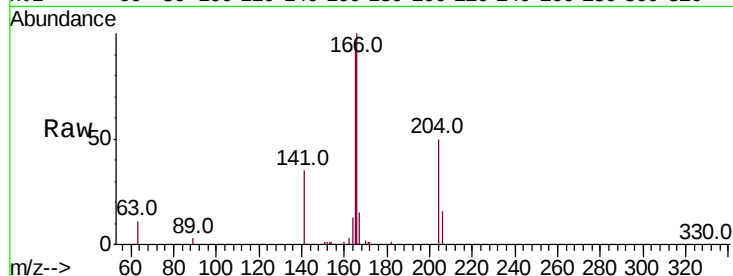


#17
Fluorene
 Concen: 0.153 ng
 RT: 15.13 min Scan# 1405
 Delta R.T. -0.00 min
 Lab File: BN007078.D
 Acq: 11 Aug 2019 09:48

Instrument :
 BNA_N
 ClientSampleId :

Tot Ion:166 Resp: 16868

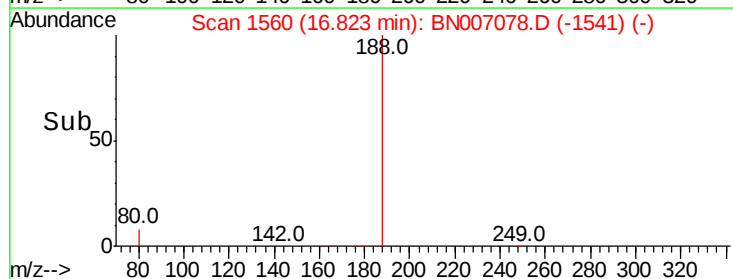
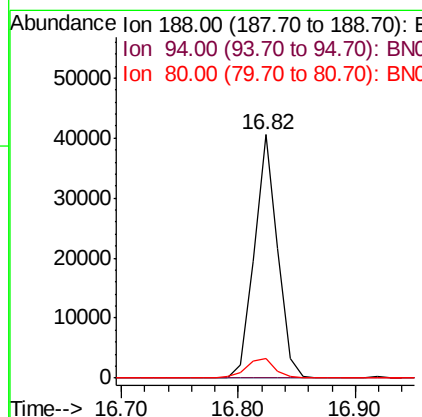
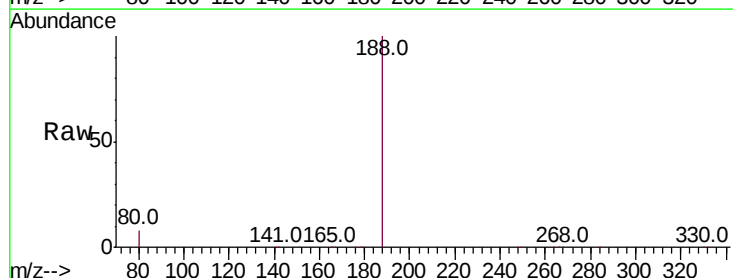
Ion	Ratio	Lower	Upper
166	100		
165	98.2	77.9	116.9
167	13.9	10.9	16.3

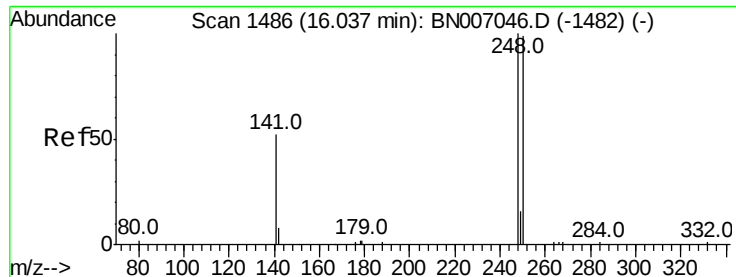


#18
Phenanthrene-d10
 Concen: 0.400 ng
 RT: 16.82 min Scan# 1560
 Delta R.T. -0.00 min
 Lab File: BN007078.D
 Acq: 11 Aug 2019 09:48

Tgt Ion:188 Resp: 55734

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	7.9	7.8	11.6

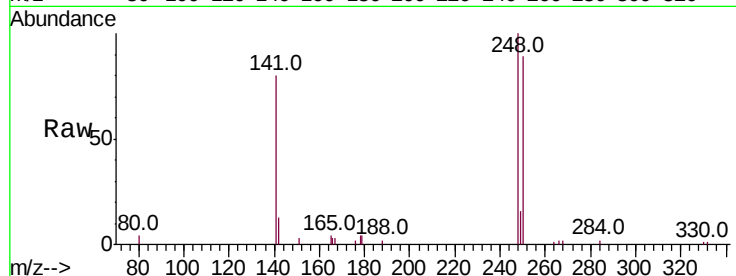




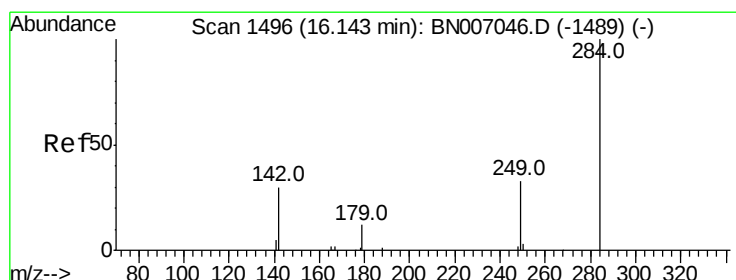
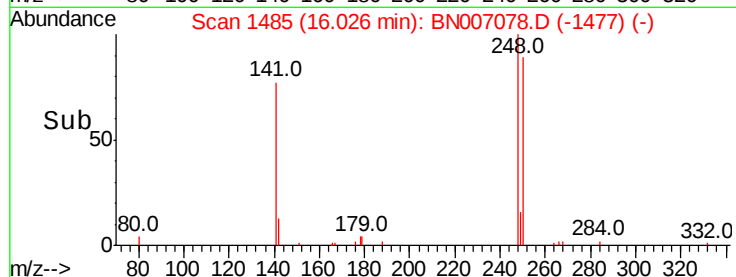
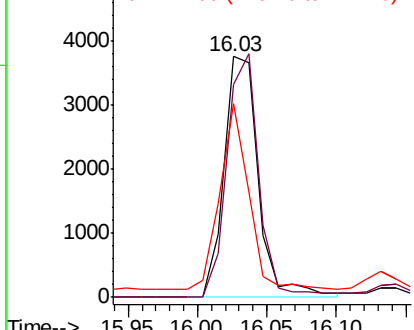
#19
4-Bromophenyl-phenylether
Concen: 0.187 ng
RT: 16.03 min Scan# 1485
Delta R.T. -0.01 min
Lab File: BN007078.D
Acq: 11 Aug 2019 09:48

Instrument :
BNA_N
ClientSampleId :

Tot Ion:248 Resp: 6463
Ion Ratio Lower Upper
248 100
250 88.6 78.9 118.3
141 80.3 43.3 64.9#

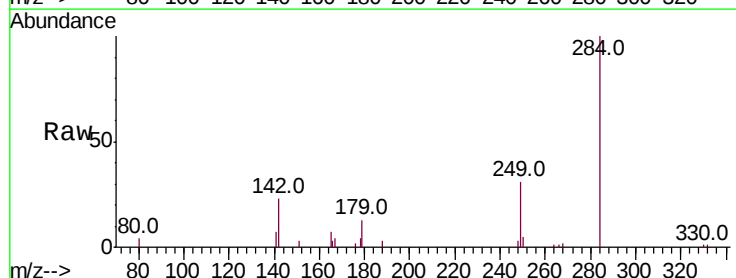


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

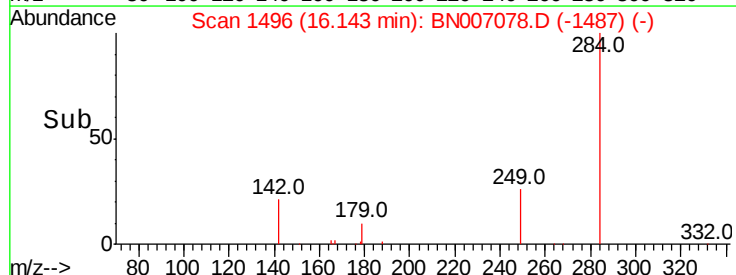
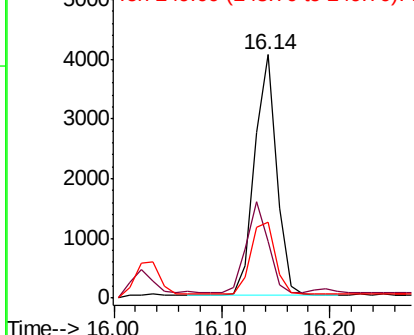


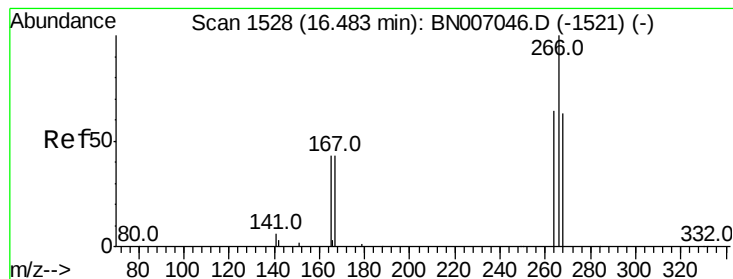
#20
Hexachlorobenzene
Concen: 0.171 ng
RT: 16.14 min Scan# 1496
Delta R.T. -0.00 min
Lab File: BN007078.D
Acq: 11 Aug 2019 09:48

Tgt Ion:284 Resp: 5657
Ion Ratio Lower Upper
284 100
142 37.7 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: 0.146 ng

RT: 16.48 min Scan# 1528

Delta R.T. -0.00 min

Lab File: BN007078.D

Acq: 11 Aug 2019 09:48

Instrument :

BNA_N

ClientSampleId :

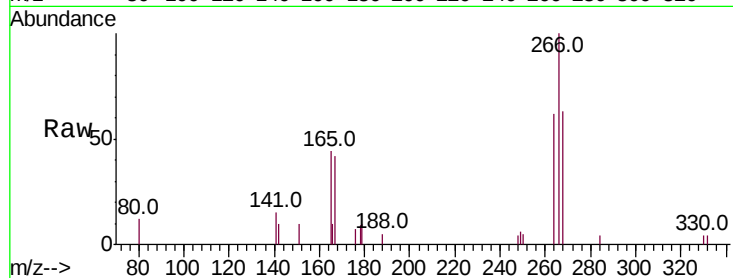
Tot Ion:266 Resp: 1800

Ion Ratio Lower Upper

266 100

264 61.5 52.3 78.5

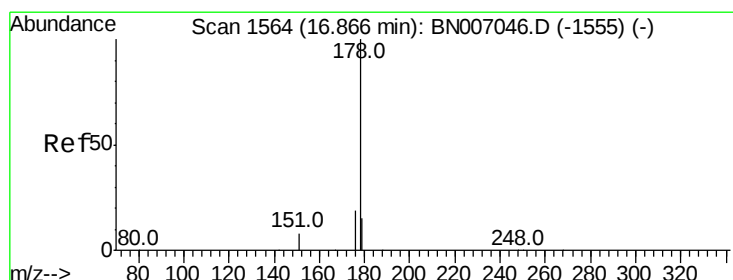
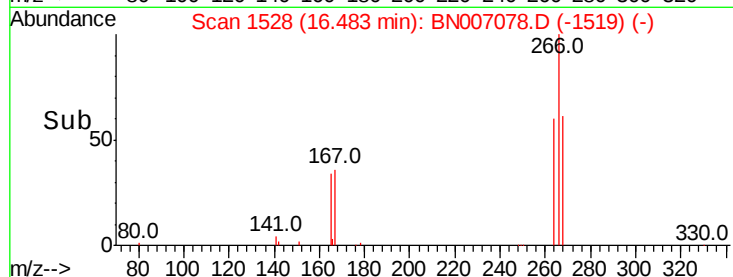
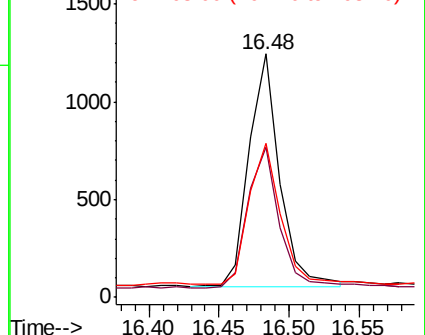
268 63.5 51.5 77.3



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: 0.202 ng

RT: 16.87 min Scan# 1564

Delta R.T. -0.00 min

Lab File: BN007078.D

Acq: 11 Aug 2019 09:48

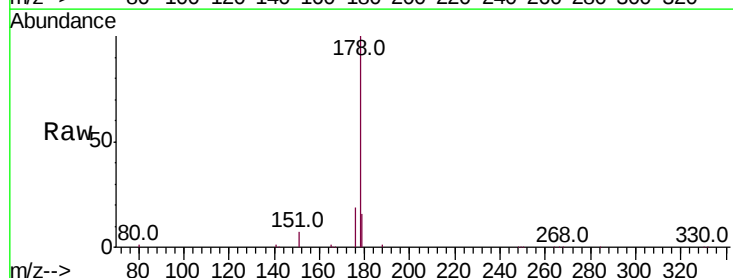
Tgt Ion:178 Resp: 33689

Ion Ratio Lower Upper

178 100

176 18.9 15.2 22.8

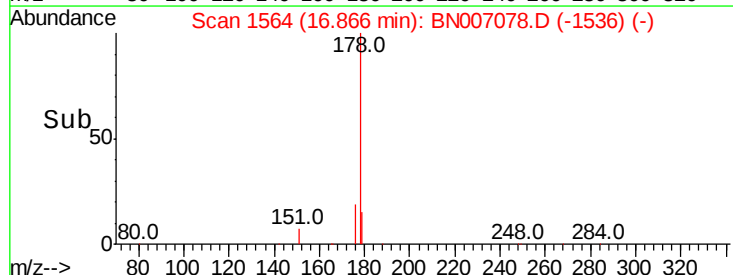
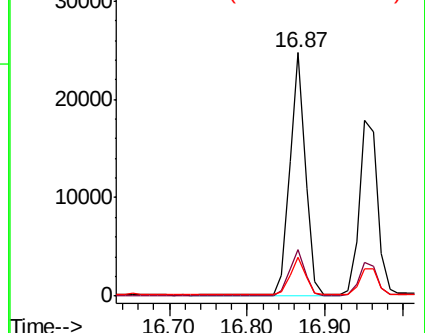
179 15.7 12.3 18.5

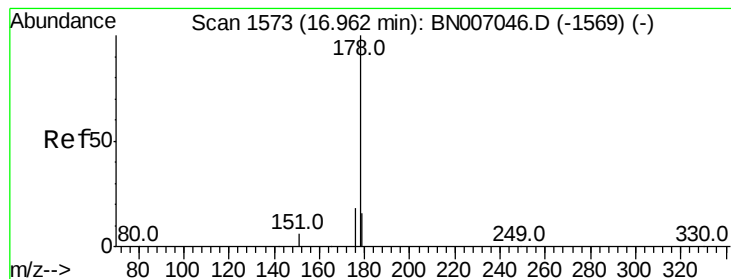


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#23

Anthracene

Concen: 0.191 ng

RT: 16.95 min Scan# 1572

Delta R.T. -0.01 min

Lab File: BN007078.D

Acq: 11 Aug 2019 09:48

Instrument :

BNA_N

ClientSampleId :

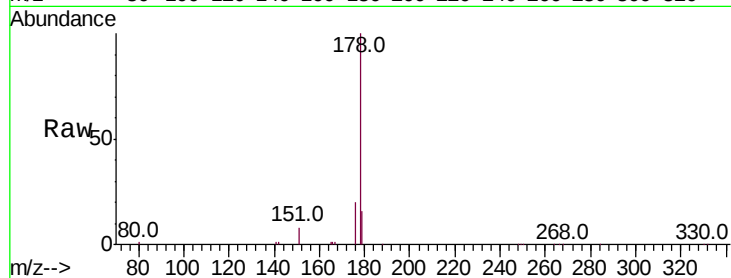
Tot Ion:178 Resp: 29074

Ion Ratio Lower Upper

178 100

176 18.6 14.6 21.8

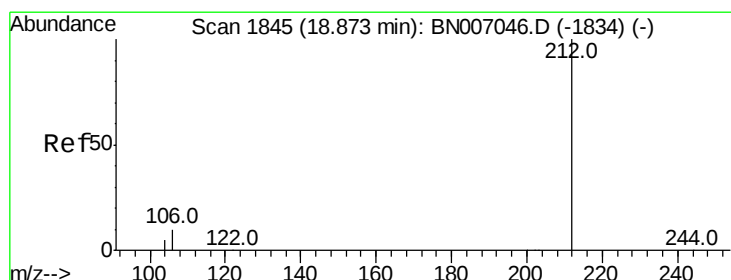
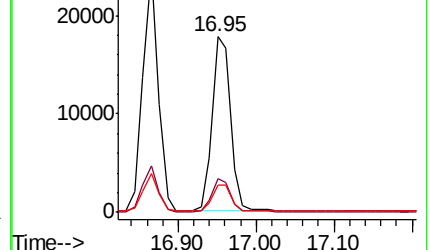
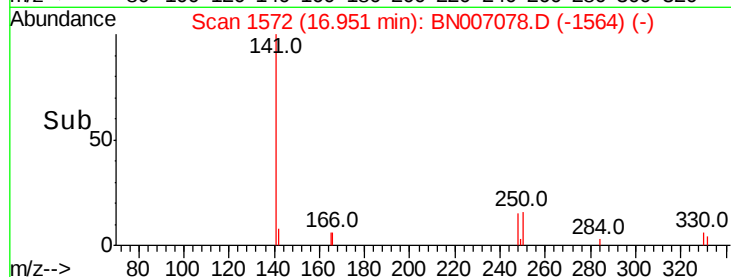
179 15.8 12.5 18.7



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: 0.192 ng

RT: 18.87 min Scan# 1844

Delta R.T. -0.01 min

Lab File: BN007078.D

Acq: 11 Aug 2019 09:48

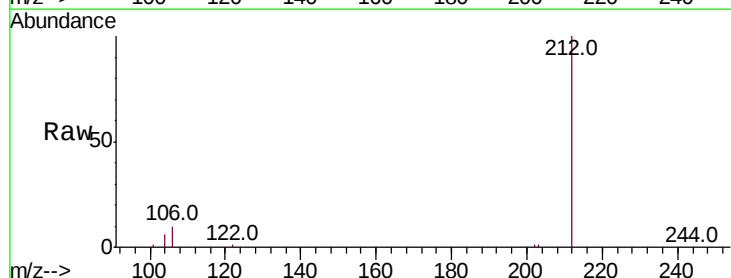
Tgt Ion:212 Resp: 37912

Ion Ratio Lower Upper

212 100

106 10.3 8.2 12.2

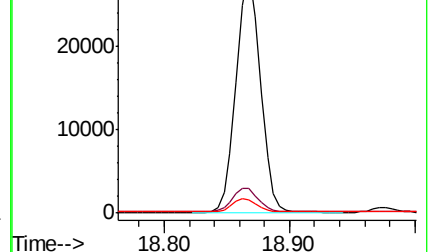
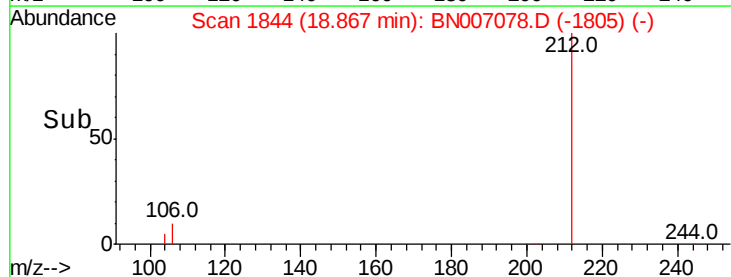
104 5.7 4.5 6.7

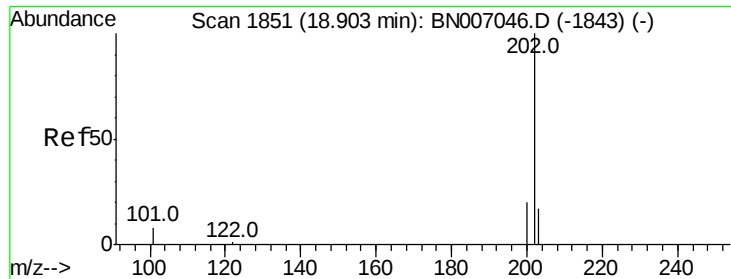


Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E

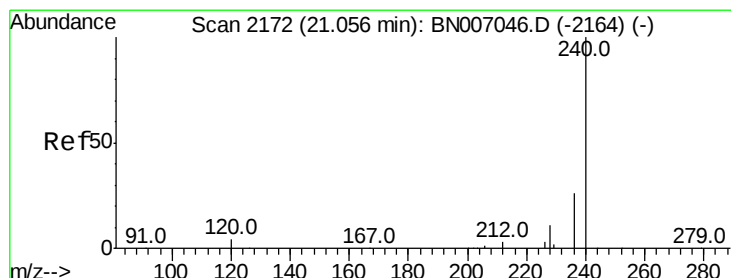
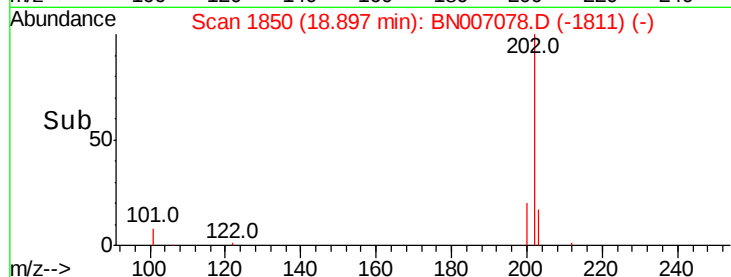
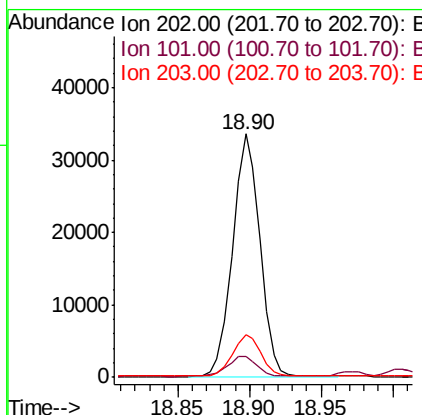
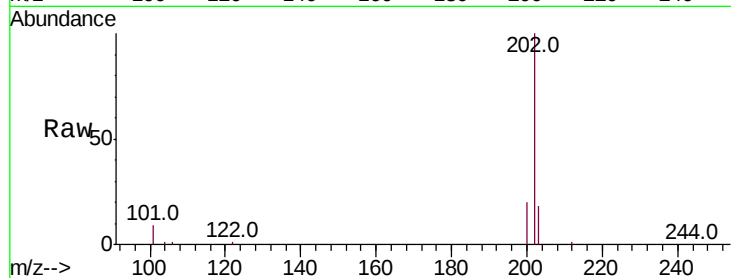




#25
 Fluoranthene
 Concen: 0.207 ng
 RT: 18.90 min Scan# 1850
 Delta R.T. -0.01 min
 Lab File: BN007078.D
 Acq: 11 Aug 2019 09:48

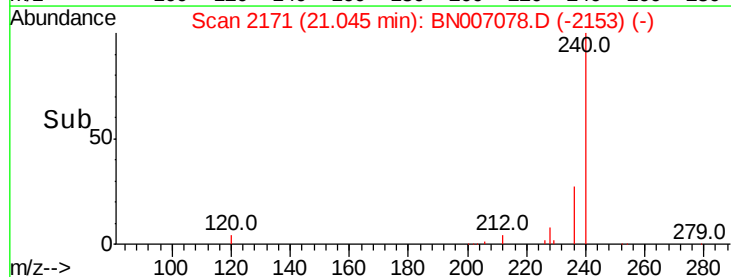
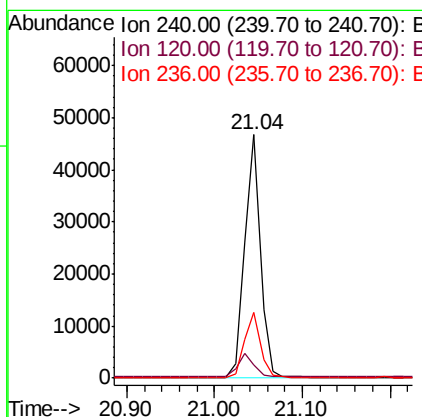
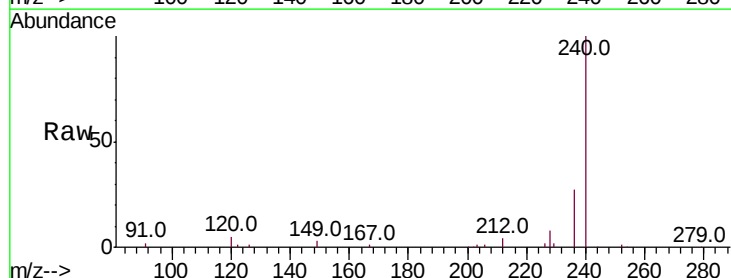
Instrument :
 BNA_N
 ClientSampleId :

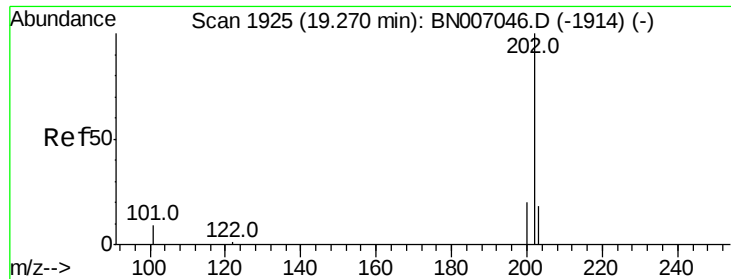
Tot Ion:202 Resp: 44311
 Ion Ratio Lower Upper
 202 100
 101 8.9 7.0 10.4
 203 17.2 13.8 20.8



#26
 Chrysene-d12
 Concen: 0.400 ng
 RT: 21.04 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: BN007078.D
 Acq: 11 Aug 2019 09:48

Tgt Ion:240 Resp: 57817
 Ion Ratio Lower Upper
 240 100
 120 5.5 4.0 6.0
 236 27.0 21.3 31.9

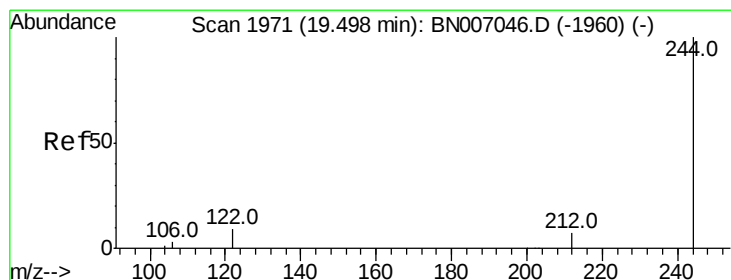
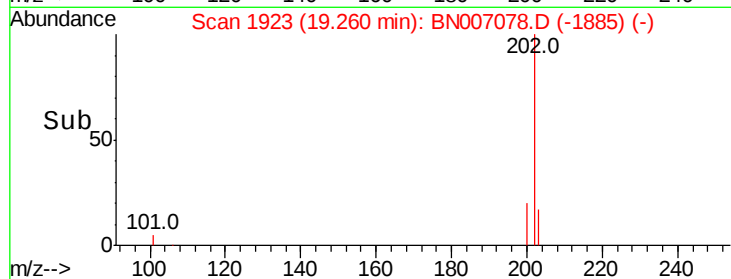
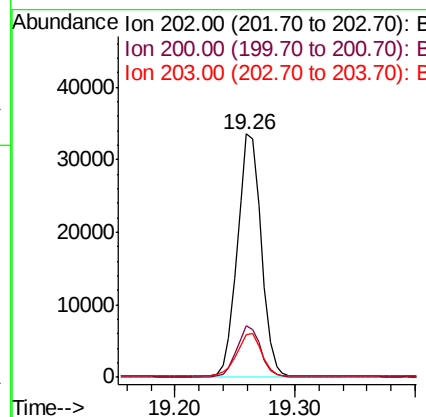
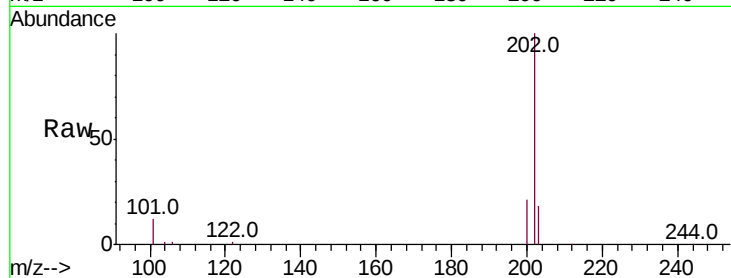




#27
Pvrene
Concen: 0.227 ng
RT: 19.26 min Scan# 1923
Delta R.T. -0.01 min
Lab File: BN007078.D
Acq: 11 Aug 2019 09:48

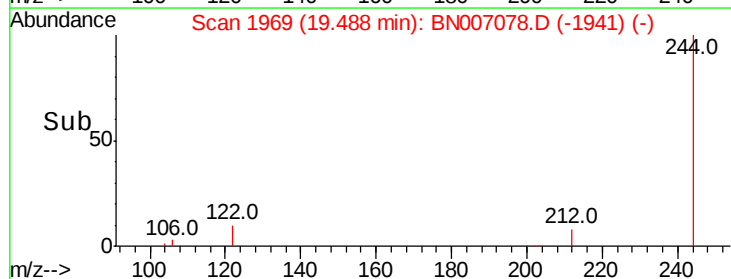
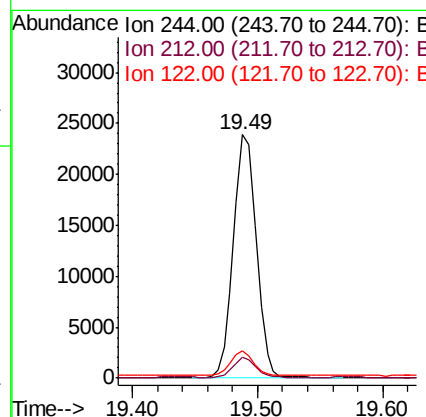
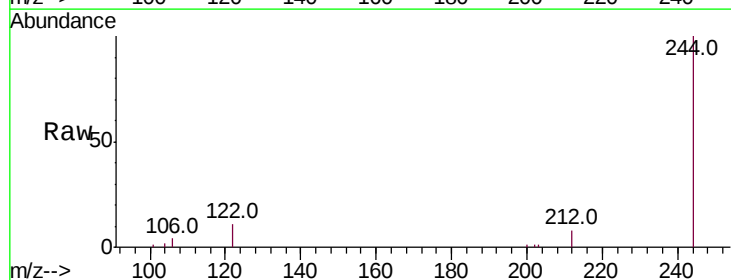
Instrument :
BNA_N
ClientSampleId :

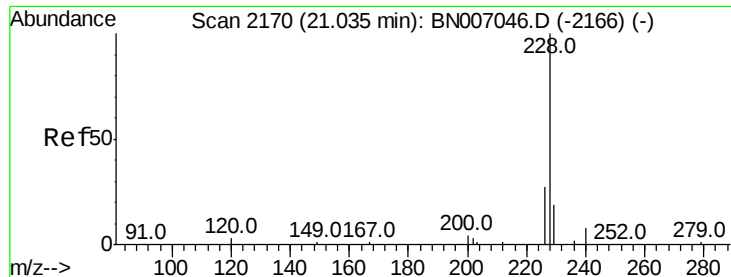
Tot Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.6	24.8
203	18.1	14.0	21.0



#28
Terphenyl-d14
Concen: 0.191 ng
RT: 19.49 min Scan# 1969
Delta R.T. -0.01 min
Lab File: BN007078.D
Acq: 11 Aug 2019 09:48

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.4	6.2	9.2
122	11.1	7.4	11.2





#29

Benzo(a)anthracene

Concen: 0.202 ng

RT: 21.02 min Scan# 2169

Delta R.T. -0.01 min

Lab File: BN007078.D

Acq: 11 Aug 2019 09:48

Instrument :

BNA_N

ClientSampleId :

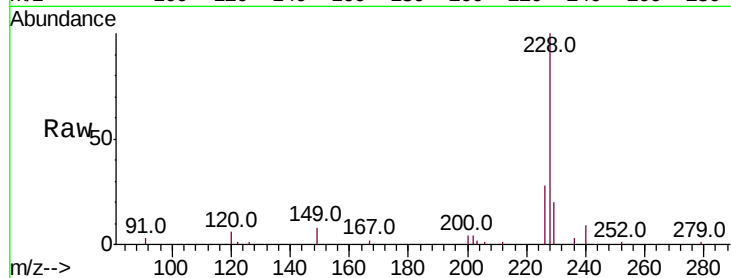
Tot Ion:228 Resp: 42672

Ion Ratio Lower Upper

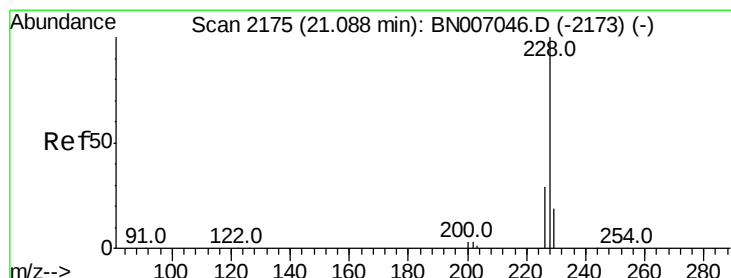
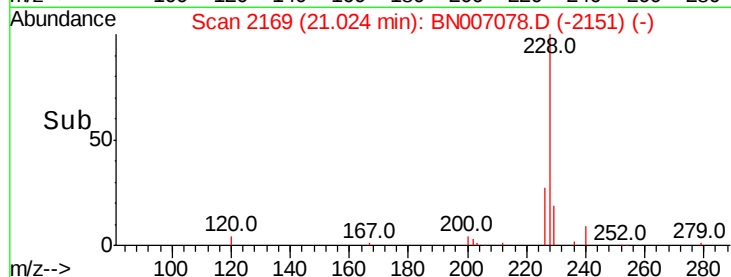
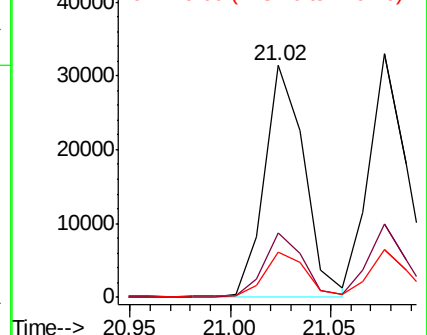
228 100

226 27.7 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: 0.199 ng

RT: 21.08 min Scan# 2174

Delta R.T. -0.01 min

Lab File: BN007078.D

Acq: 11 Aug 2019 09:48

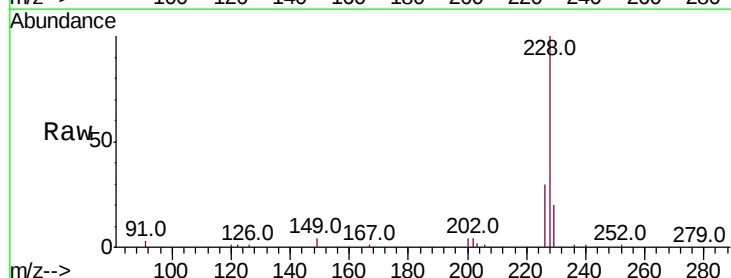
Tgt Ion:228 Resp: 40903

Ion Ratio Lower Upper

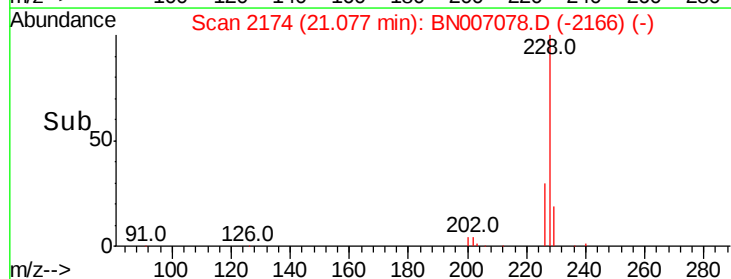
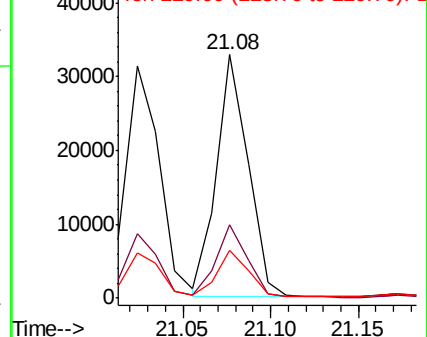
228 100

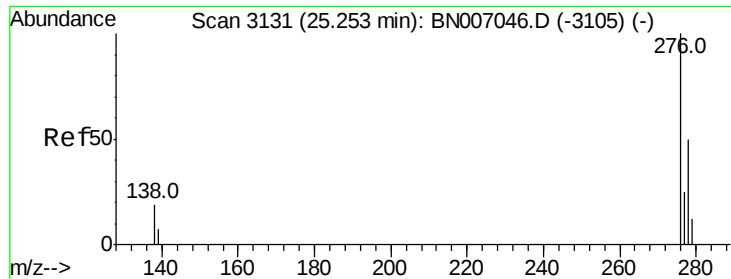
226 30.0 23.8 35.6

229 19.8 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

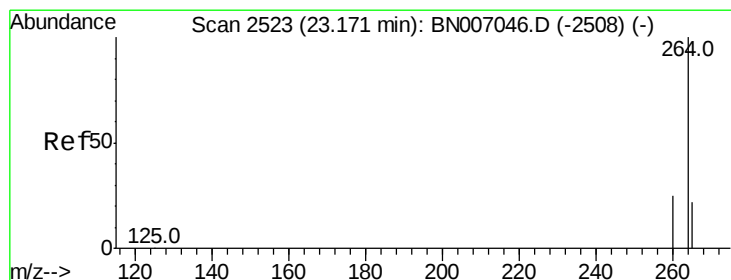
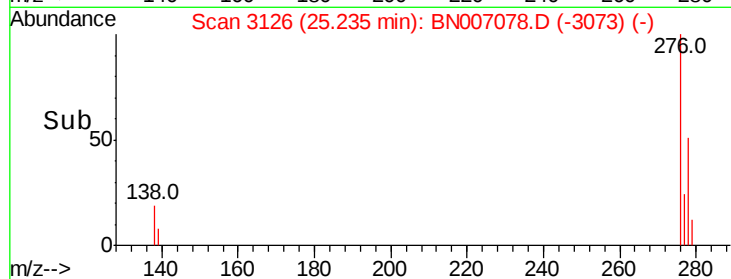
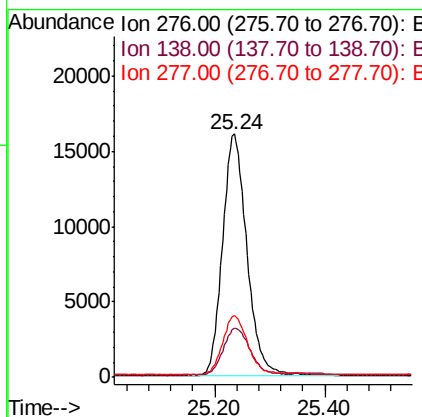
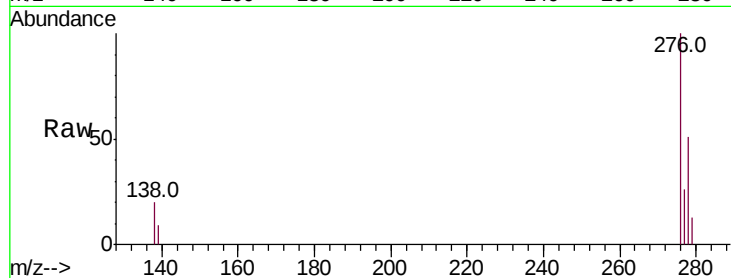




#31
 Indeno(1,2,3-cd)pyrene
 Concen: 0.220 ng
 RT: 25.24 min Scan# 3126
 Delta R.T. -0.02 min
 Lab File: BN007078.D
 Acq: 11 Aug 2019 09:48

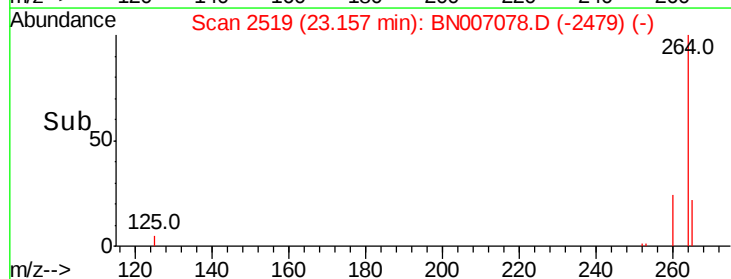
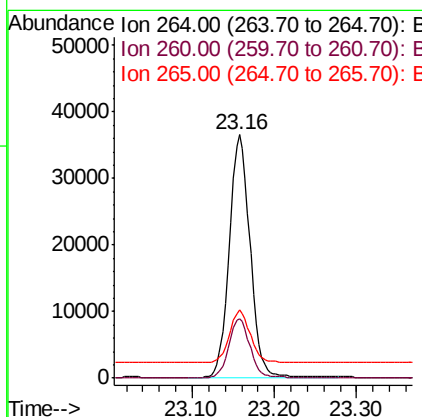
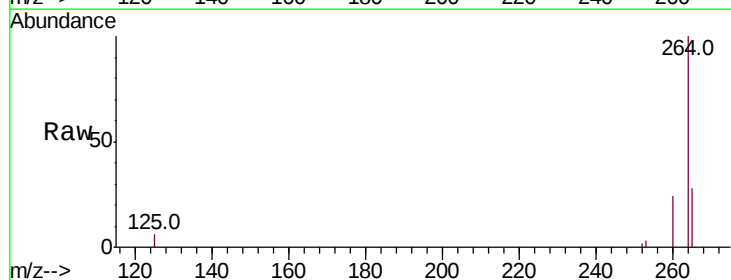
Instrument :
 BNA_N
 ClientSampleId :

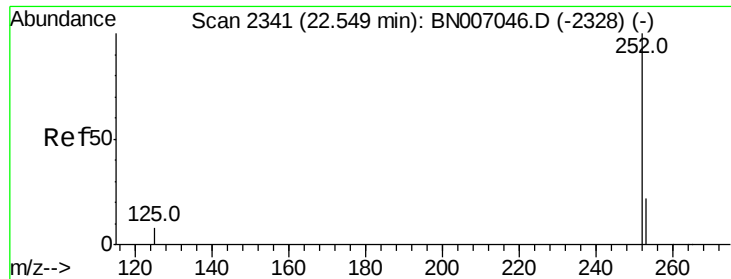
Tot Ion:276 Resp: 49729
 Ion Ratio Lower Upper
 276 100
 138 21.0 16.0 24.0
 277 24.8 19.9 29.9



#32
 Perylene-d12
 Concen: 0.400 ng
 RT: 23.16 min Scan# 2519
 Delta R.T. -0.01 min
 Lab File: BN007078.D
 Acq: 11 Aug 2019 09:48

Tgt Ion:264 Resp: 63978
 Ion Ratio Lower Upper
 264 100
 260 24.5 19.8 29.8
 265 27.9 26.2 39.4





#33

Benzo(b)fluoranthene

Concen: 0.201 ng

RT: 22.53 min Scan# 2337

Delta R.T. -0.01 min

Lab File: BN007078.D

Acq: 11 Aug 2019 09:48

Instrument :

BNA_N

ClientSampleId :

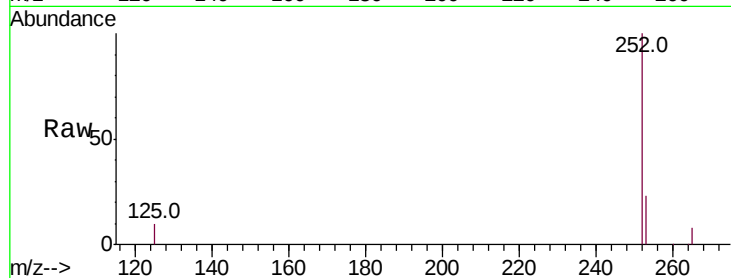
Tot Ion:252 Resp: 44083

Ion Ratio Lower Upper

252 100

253 23.3 18.2 27.2

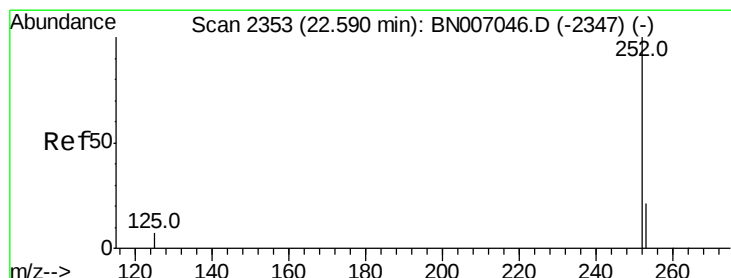
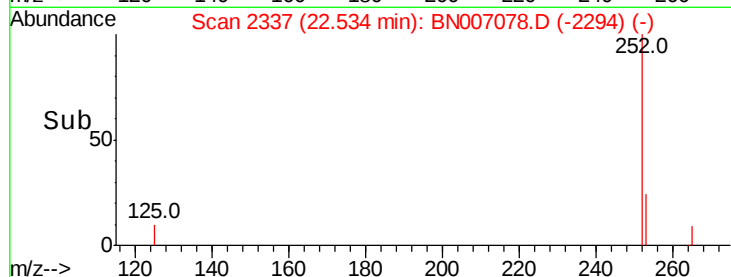
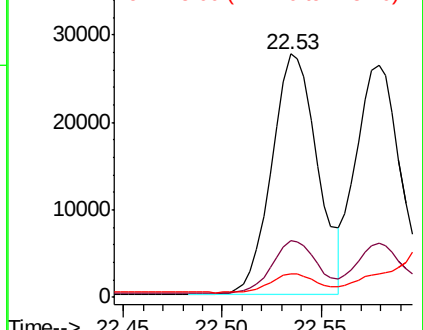
125 9.5 7.4 11.0



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



#34

Benzo(k)fluoranthene

Concen: 0.195 ng

RT: 22.58 min Scan# 2350

Delta R.T. -0.01 min

Lab File: BN007078.D

Acq: 11 Aug 2019 09:48

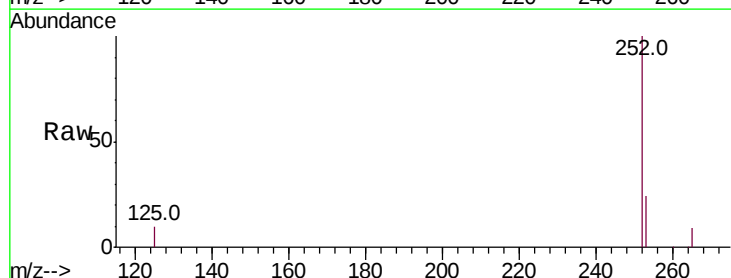
Tgt Ion:252 Resp: 42349

Ion Ratio Lower Upper

252 100

253 23.5 18.1 27.1

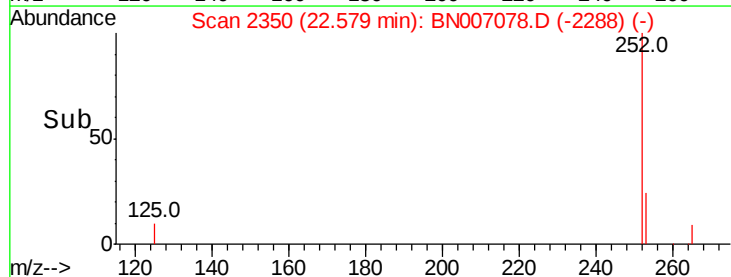
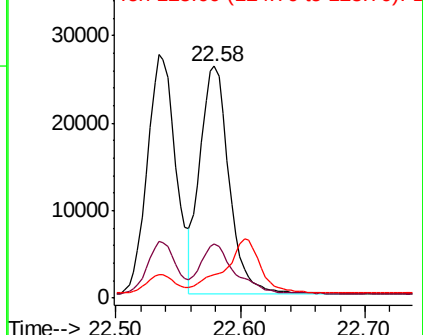
125 10.2 7.4 11.0

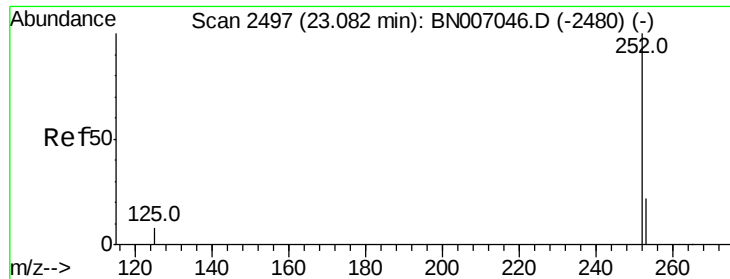


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#35

Benzo(a)pyrene

Concen: 0.196 ng

RT: 23.06 min Scan# 2492

Delta R.T. -0.02 min

Lab File: BN007078.D

Acq: 11 Aug 2019 09:48

Instrument :

BNA_N

ClientSampleId :

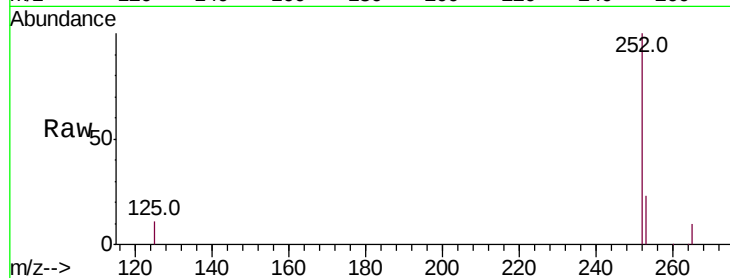
Tot Ion:252 Resp: 38993

Ion Ratio Lower Upper

252 100

253 23.5 18.5 27.7

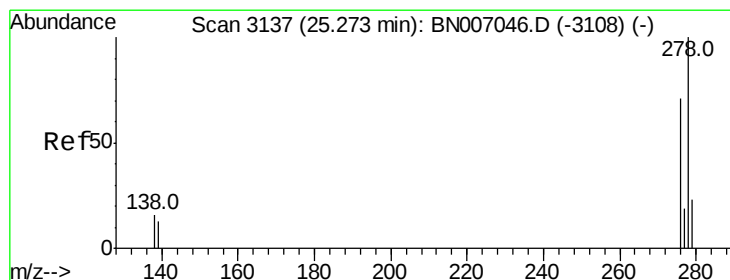
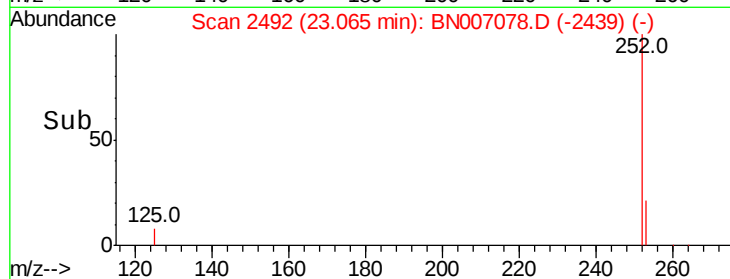
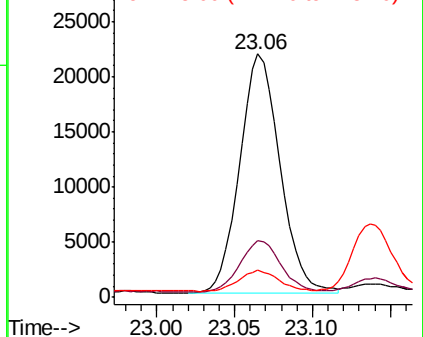
125 11.0 8.2 12.4



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: 0.200 ng

RT: 25.26 min Scan# 3132

Delta R.T. -0.02 min

Lab File: BN007078.D

Acq: 11 Aug 2019 09:48

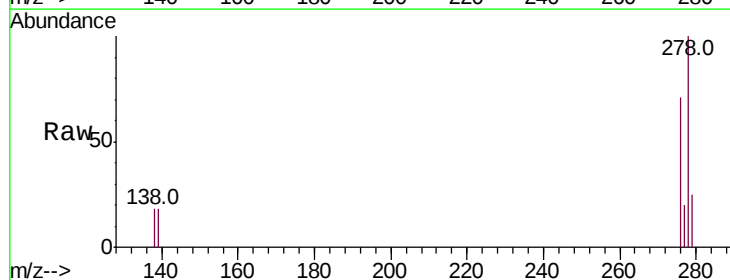
Tgt Ion:278 Resp: 39719

Ion Ratio Lower Upper

278 100

139 17.6 11.3 16.9#

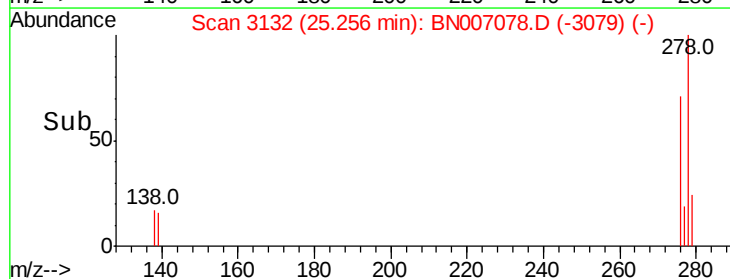
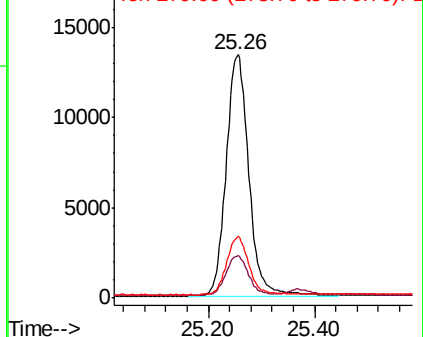
279 25.2 19.3 28.9

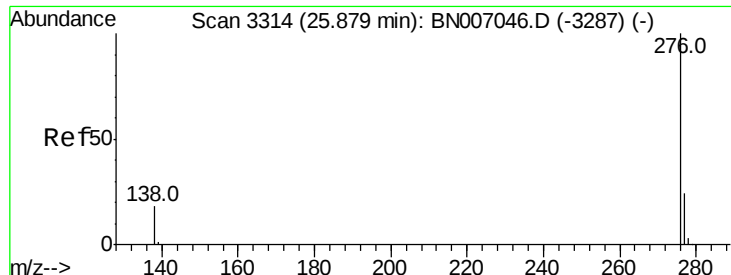


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#37

Benzo(a,h,i)perylene

Concen: 0.209 ng

RT: 25.86 min Scan# 3309

Delta R.T. -0.02 min

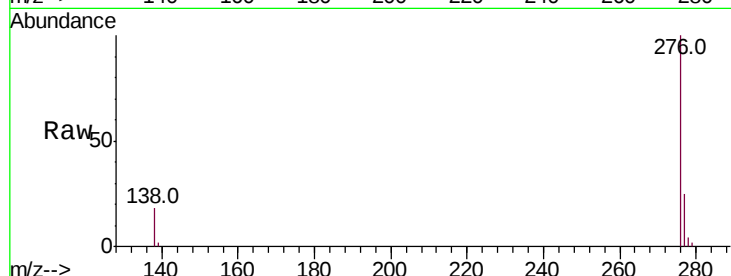
Lab File: BN007078.D

Acq: 11 Aug 2019 09:48

Instrument :

BNA_N

ClientSampleId :



Tot Ion:276 Resp: 42568

Ion Ratio Lower Upper

276 100

277 25.0 19.8 29.8

138 18.3 14.6 22.0

