

Data Path : Z:\SVOASRV\HPCHEM1\BNA N\DATA\BN042120\
 Data File : BN010573.D
 Acq On : 21 Apr 2020 19:10
 Operator : CG/JU
 Sample : L2338-03MS
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 BP-HN-24S-20200414MS

Quant Time: Apr 21 19:41:23 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN041320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 21 13:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	2899	0.40	ng	0.00
7) Naphthalene-d8	10.35	136	12553	0.40	ng	0.00
13) Acenaphthene-d10	14.22	164	8228	0.40	ng	0.01
19) Phenanthrene-d10	16.96	188	19504	0.40	ng	0.00
27) Chrysene-d12	21.17	240	19315	0.40	ng	0.00
34) Perylene-d12	23.34	264	17346	0.40	ng	0.00

System Monitoring Compounds						
4) 2-Fluorophenol	5.24	112	1203	0.19	ng	0.00
5) Phenol-d6	6.79	99	946	0.11	ng	0.00
8) Nitrobenzene-d5	8.73	82	3725	0.42	ng	0.00
11) 2-Methylnaphthalene-d10	11.95	152	8379	0.41	ng	0.00
14) 2,4,6-Tribromophenol	15.72	330	1735	0.45	ng	0.00
15) 2-Fluorobiphenyl	12.84	172	13151	0.44	ng	0.00
25) Fluoranthene-d10	19.00	212	24099	0.41	ng	0.00
29) Terphenyl-d14	19.62	244	21825	0.49	ng	0.00

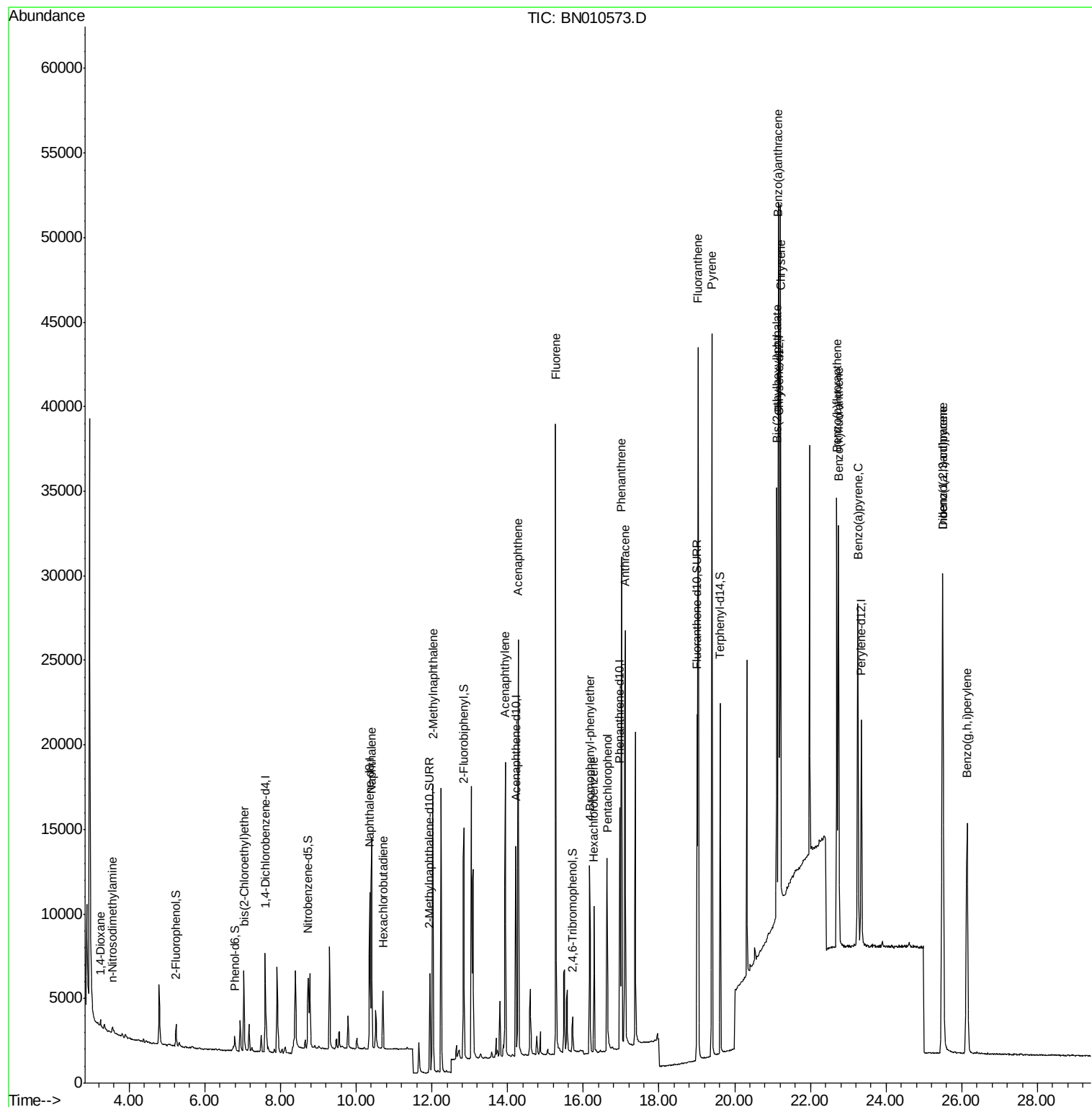
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.24	88	297	0.139	ng	# 64
3) n-Nitrosodimethylamine	3.55	42	365	0.264	ng	# 78
6) bis(2-Chloroethyl)ether	7.03	93	4029	0.560	ng	98
9) Naphthalene	10.41	128	16640	0.534	ng	100
10) Hexachlorobutadiene	10.71	225	3255	0.433	ng	# 100
12) 2-Methylnaphthalene	12.02	142	12465	0.557	ng	99
16) Acenaphthylene	13.93	152	19577	0.551	ng	100
17) Acenaphthene	14.28	154	12662	0.554	ng	97
18) Fluorene	15.27	166	17078	0.571	ng	100
20) 4-Bromophenyl-phenylether	16.17	248	5582	0.515	ng	# 81
21) Hexachlorobenzene	16.28	284	6532	0.528	ng	99
22) Pentachlorophenol	16.63	266	6905	1.419	ng	97
23) Phenanthrene	17.01	178	29538	0.561	ng	100
24) Anthracene	17.10	178	27733	0.576	ng	100
26) Fluoranthene	19.03	202	38245	0.583	ng	100
28) Pyrene	19.40	202	38908	0.598	ng	99
30) Benzo(a)anthracene	21.15	228	34980	0.555	ng	98
31) Chrysene	21.21	228	34016	0.542	ng	99
32) Bis(2-ethylhexyl)phthalate	21.11	149	19714	0.610	ng	100
33) Indeno(1,2,3-cd)pyrene	25.49	276	32635	0.588	ng	99
35) Benzo(b)fluoranthene	22.70	252	31063	0.544	ng	98
36) Benzo(k)fluoranthene	22.75	252	31930	0.558	ng	97
37) Benzo(a)pyrene	23.25	252	28786	0.569	ng	99
38) Dibenzo(a,h)anthracene	25.50	278	27194	0.588	ng	98
39) Benzo(g,h,i)perylene	26.14	276	27925	0.600	ng	99

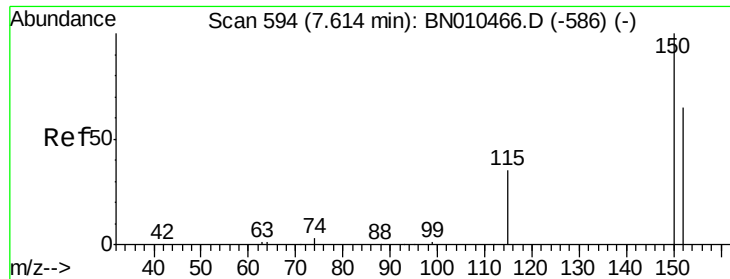
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
BNA_N
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA N\METHODS\8270-SIM-BN041320.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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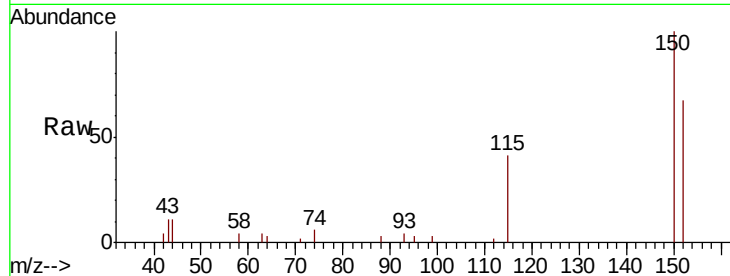


#1

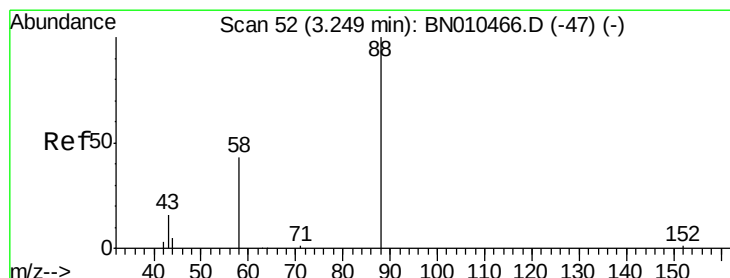
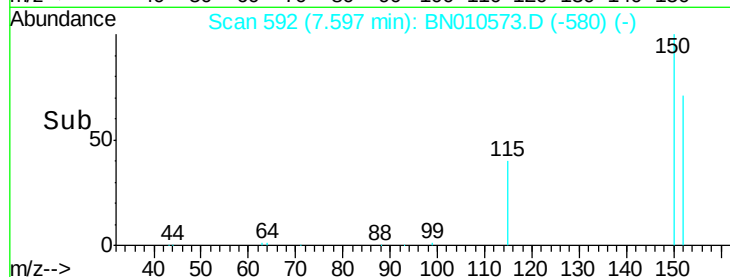
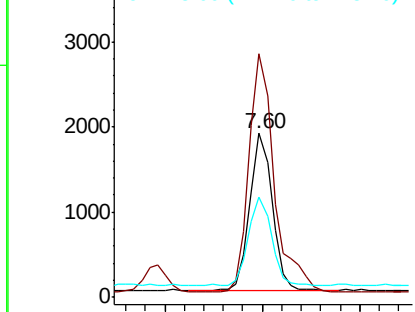
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.60 min Scan# 592
Delta R.T. -0.00 min
Lab File: BN010573.D
Acq: 21 Apr 2020 19:10

Instrument :
BNA_N
ClientSampleId :
BP-HN-24S-20200414MS

Tot Ion:152 Resp: 2899
Ion Ratio Lower Upper
152 100
150 148.4 121.8 182.6
115 61.0 45.5 68.3



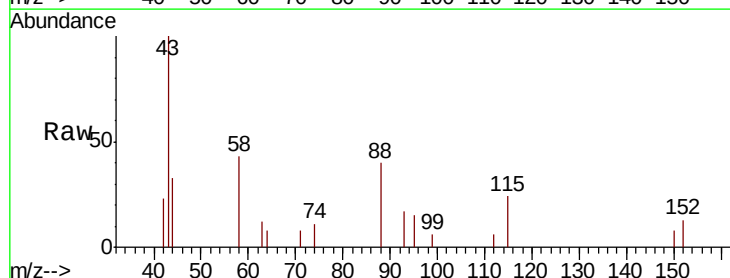
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



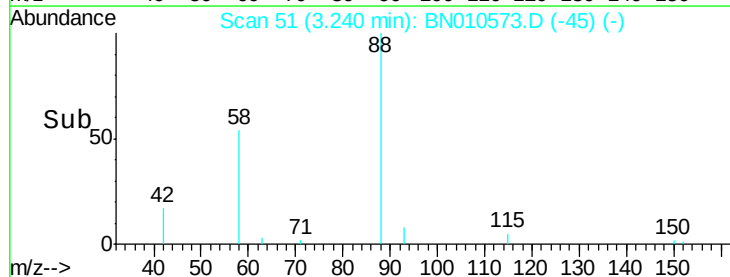
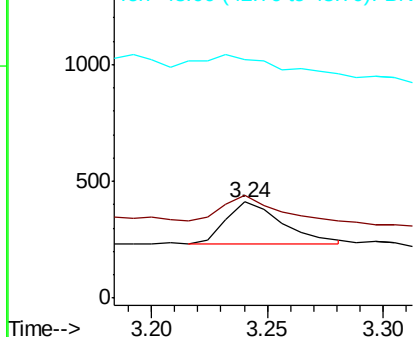
#2

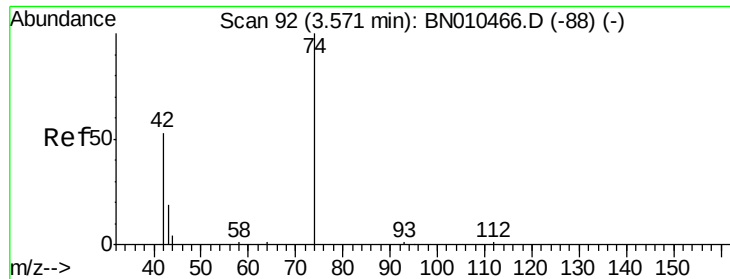
1,4-Dioxane
Concen: 0.139 ng
RT: 3.24 min Scan# 51
Delta R.T. -0.00 min
Lab File: BN010573.D
Acq: 21 Apr 2020 19:10

Tgt Ion: 88 Resp: 297
Ion Ratio Lower Upper
88 100
58 53.5 36.5 54.7
43 60.3 13.2 19.8#



Abundance Ion 88.00 (87.70 to 88.70): BN0
Ion 58.00 (57.70 to 58.70): BN0
Ion 43.00 (42.70 to 43.70): BN0



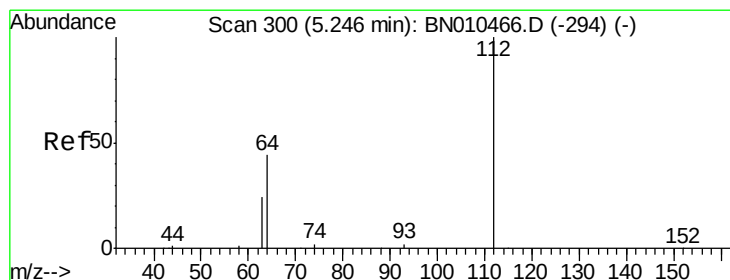
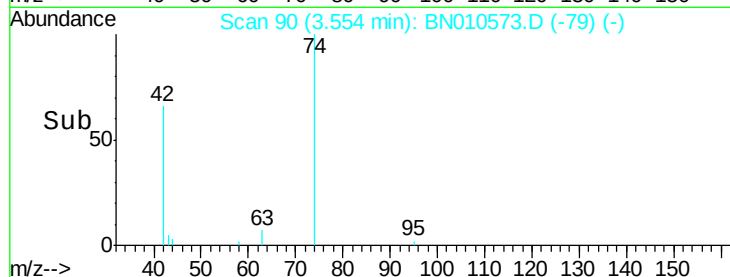
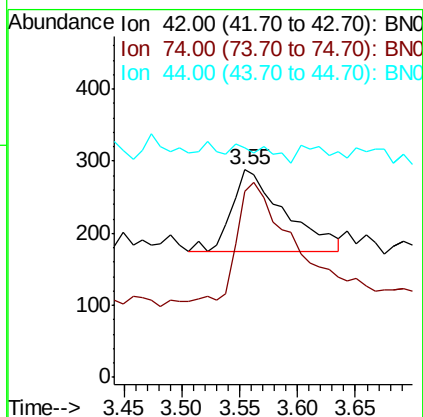
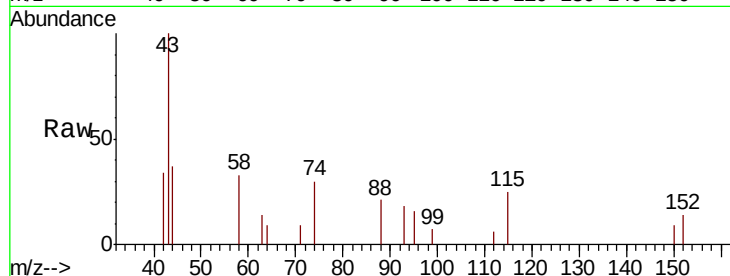


#3

n-Nitrosodimethylamine
 Concen: 0.264 ng
 RT: 3.55 min Scan# 90
 Delta R.T. -0.01 min
 Lab File: BN010573.D
 Acq: 21 Apr 2020 19:10

Instrument :
 BNA_N
 ClientSampleId :
 BP-HN-24S-20200414MS

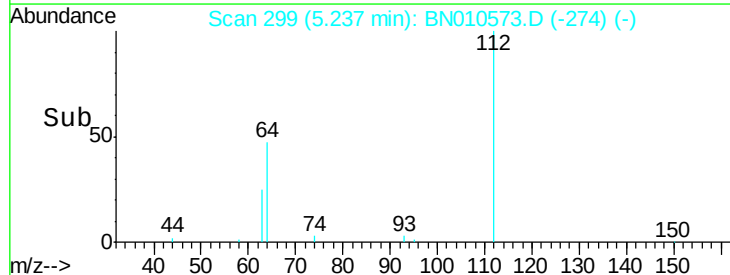
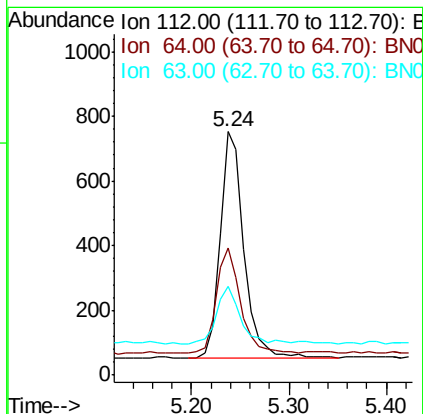
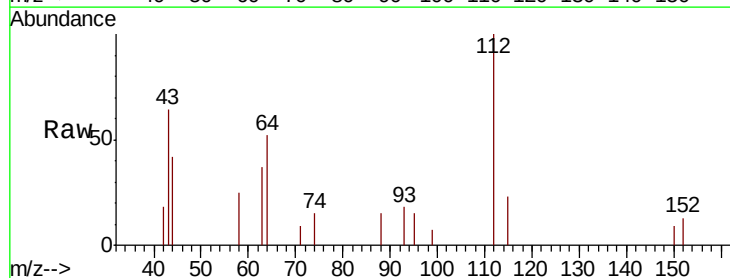
Tot Ion	Ratio	Lower	Upper
42	100		
74	168.8	162.2	243.4
44	14.2	2.4	3.6#

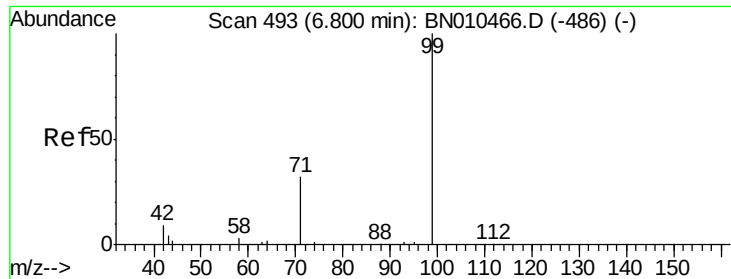


#4

2-Fluorophenol
 Concen: 0.189 ng
 RT: 5.24 min Scan# 299
 Delta R.T. -0.00 min
 Lab File: BN010573.D
 Acq: 21 Apr 2020 19:10

Tgt Ion	Ratio	Lower	Upper
112	100		
64	47.0	35.8	53.8
63	27.9	19.9	29.9





#5

Phenol-d6

Concen: 0.114 ng

RT: 6.79 min Scan# 492

Delta R.T. 0.01 min

Lab File: BN010573.D

Acq: 21 Apr 2020 19:10

Instrument :

BNA_N

ClientSampleId :

BP-HN-24S-20200414MS

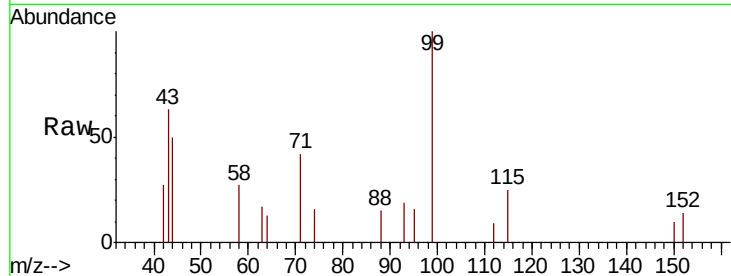
Tot Ion: 99 Resp: 946

Ion Ratio Lower Upper

99 100

42 14.0 9.8 14.6

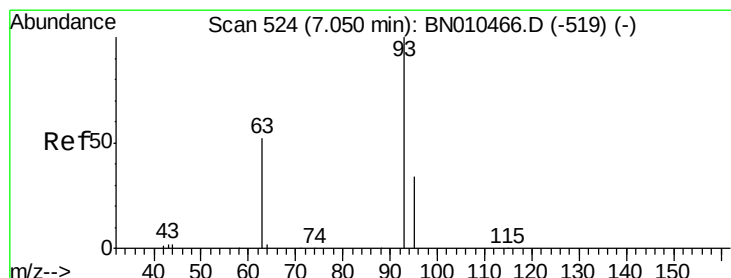
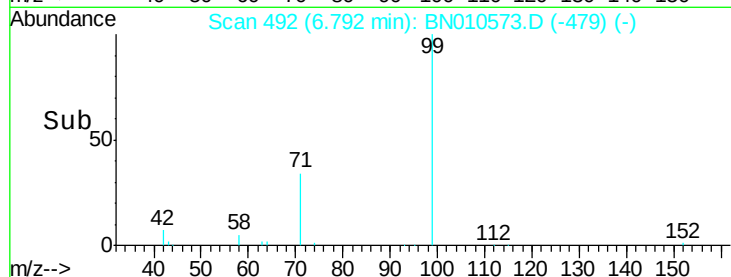
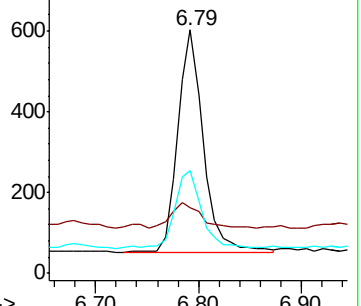
71 37.2 27.8 41.8



Abundance Ion 99.00 (98.70 to 99.70): BN010466.D (-486) (-)

Ion 42.00 (41.70 to 42.70): BN010466.D (-486) (-)

Ion 71.00 (70.70 to 71.70): BN010466.D (-486) (-)



#6

bis(2-Chloroethyl)ether

Concen: 0.560 ng

RT: 7.03 min Scan# 522

Delta R.T. -0.00 min

Lab File: BN010573.D

Acq: 21 Apr 2020 19:10

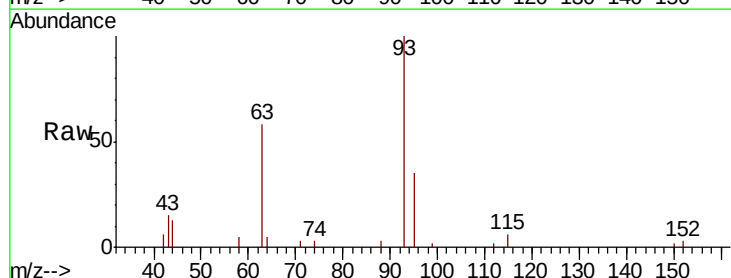
Tgt Ion: 93 Resp: 4029

Ion Ratio Lower Upper

93 100

63 57.9 44.6 66.8

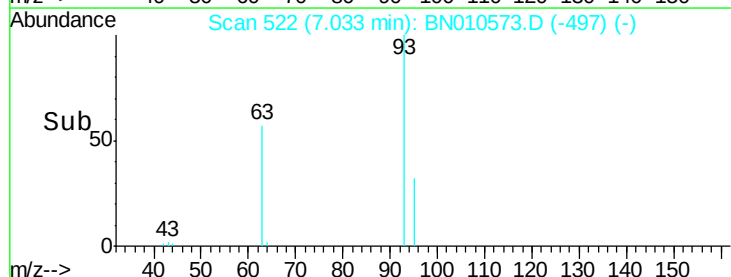
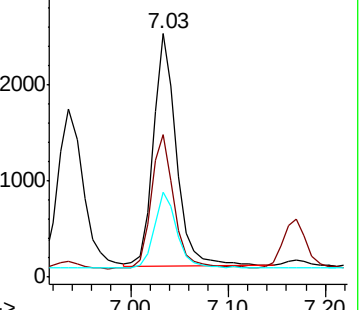
95 32.9 26.5 39.7

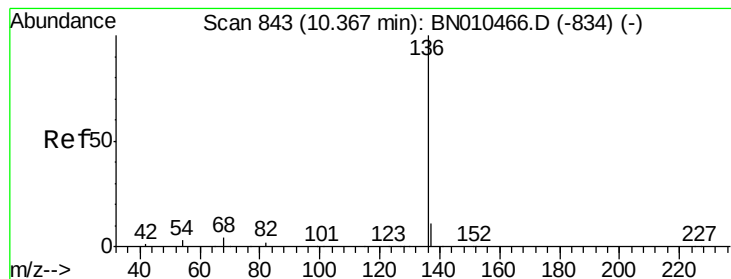


Abundance Ion 93.00 (92.70 to 93.70): BN010466.D (-519) (-)

Ion 63.00 (62.70 to 63.70): BN010466.D (-519) (-)

Ion 95.00 (94.70 to 95.70): BN010466.D (-519) (-)





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.35 min Scan# 842

Delta R.T. -0.00 min

Lab File: BN010573.D

Acq: 21 Apr 2020 19:10

Instrument :

BNA_N

ClientSampleId :

BP-HN-24S-20200414MS

Tot Ion:136 Resp: 12553

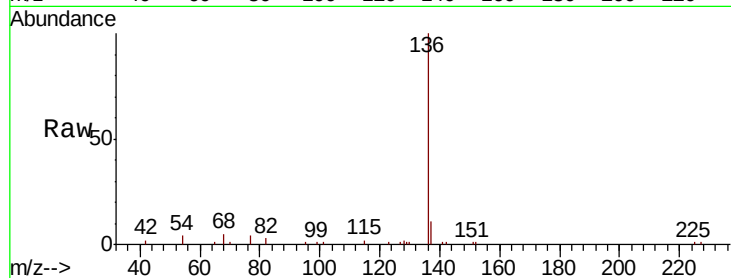
Ion Ratio Lower Upper

136 100

137 11.4 8.9 13.3

54 3.6 2.6 4.0

68 4.7 3.4 5.2

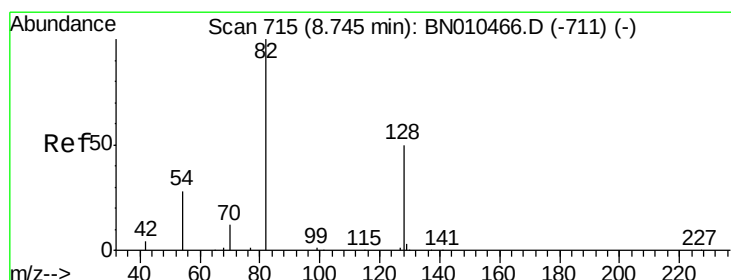
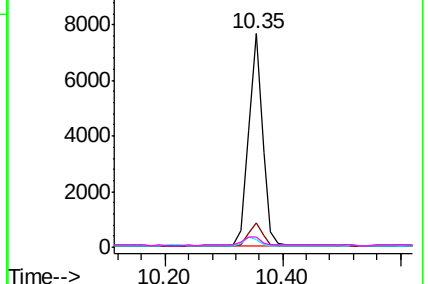
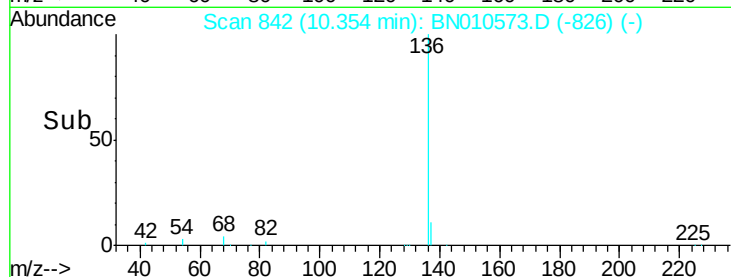


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BNC

Ion 68.00 (67.70 to 68.70): BNC



#8

Nitrobenzene-d5

Concen: 0.424 ng

RT: 8.73 min Scan# 714

Delta R.T. -0.00 min

Lab File: BN010573.D

Acq: 21 Apr 2020 19:10

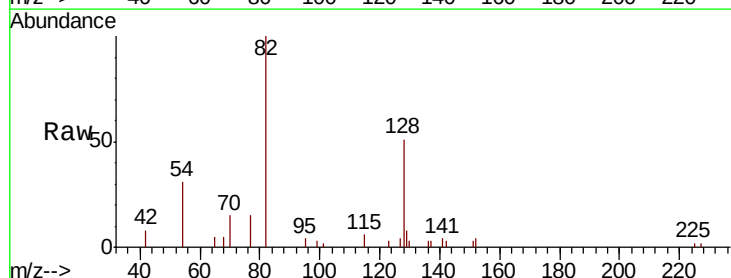
Tgt Ion: 82 Resp: 3725

Ion Ratio Lower Upper

82 100

128 51.2 41.3 61.9

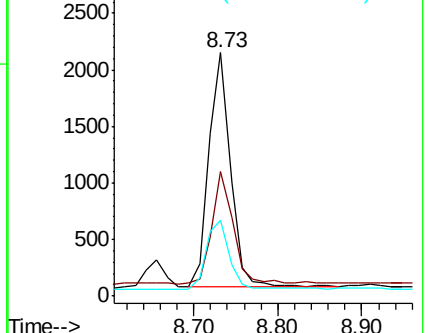
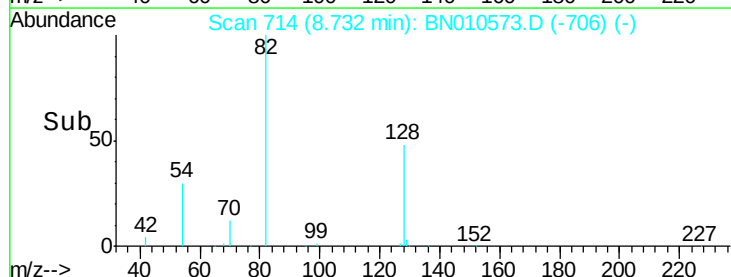
54 31.1 23.4 35.0

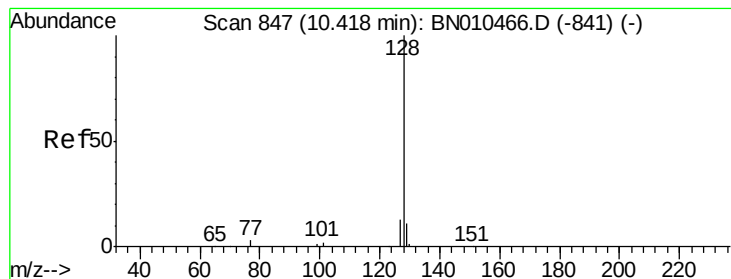


Abundance Ion 82.00 (81.70 to 82.70): BNC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BNC





#9

Naphthalene

Concen: 0.534 ng

RT: 10.41 min Scan# 846

Delta R.T. -0.00 min

Lab File: BN010573.D

Acq: 21 Apr 2020 19:10

Instrument :

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ClientSampleId :

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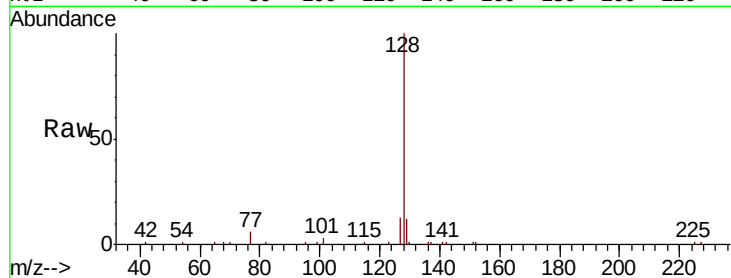
Tot Ion:128 Resp: 16640

Ion Ratio Lower Upper

128 100

129 11.7 9.3 13.9

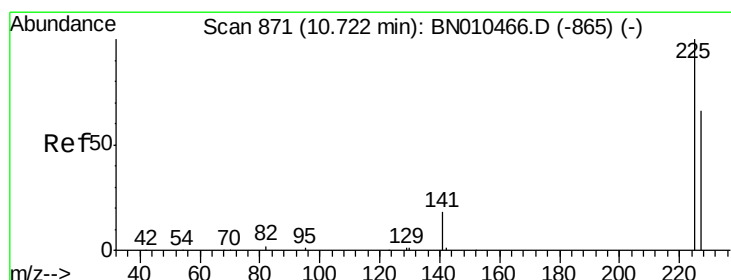
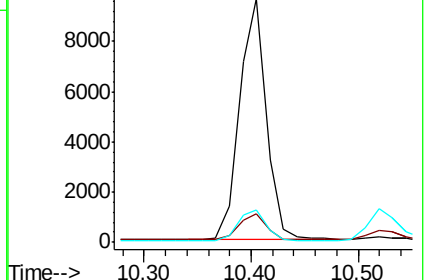
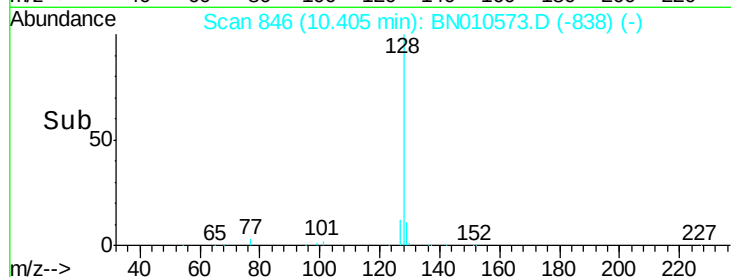
127 13.1 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.433 ng

RT: 10.71 min Scan# 870

Delta R.T. 0.01 min

Lab File: BN010573.D

Acq: 21 Apr 2020 19:10

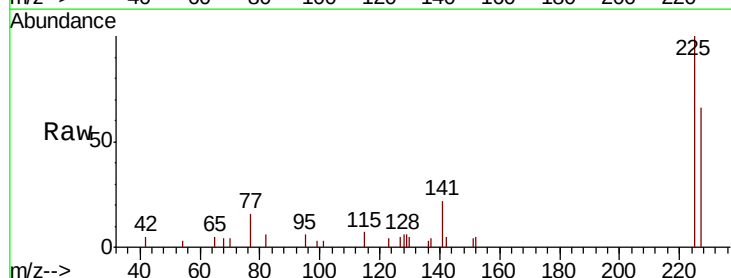
Tgt Ion:225 Resp: 3255

Ion Ratio Lower Upper

225 100

223 0.0 0.0 0.0

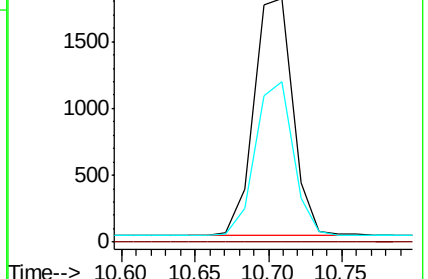
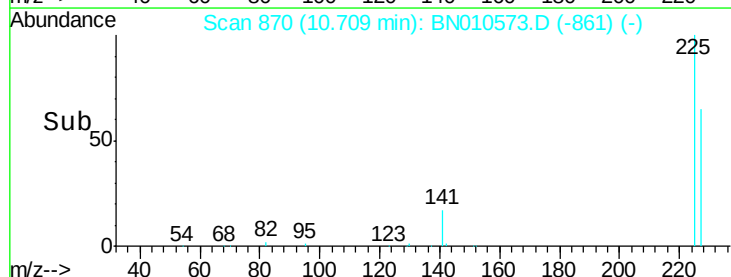
227 63.5 50.6 76.0

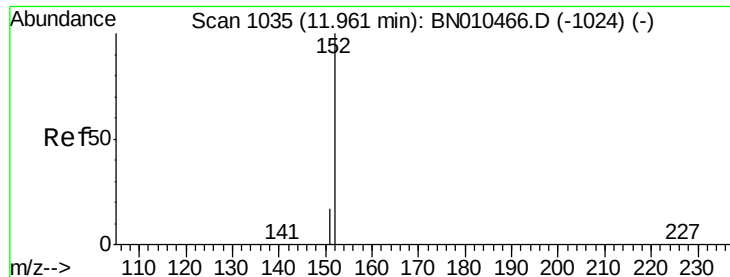


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E

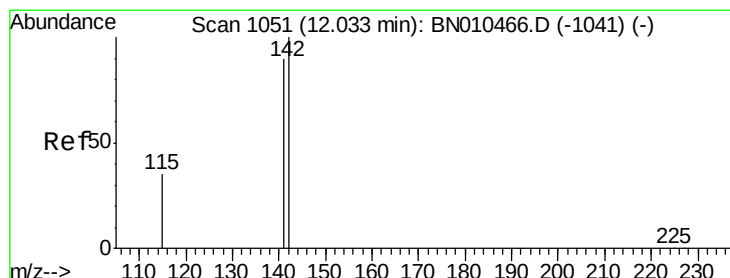
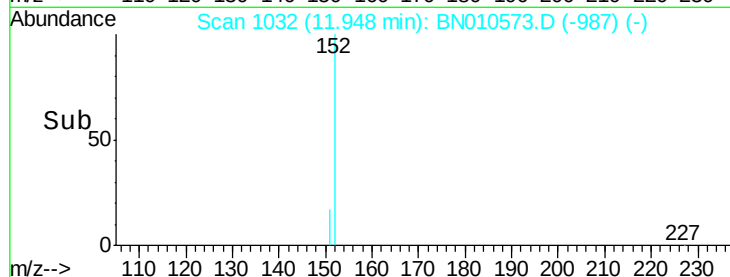
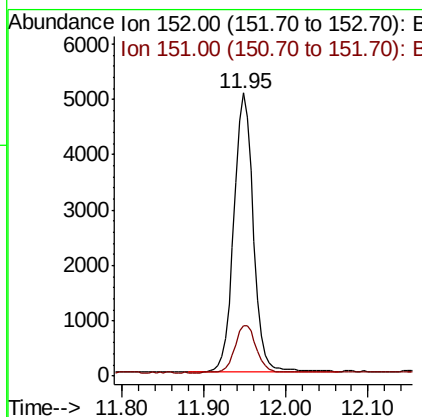
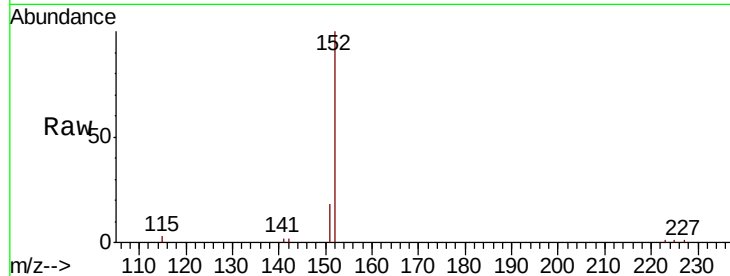




#11
2-Methylnaphthalene-d10
Concen: 0.406 ng
RT: 11.95 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BN010573.D
Acq: 21 Apr 2020 19:10

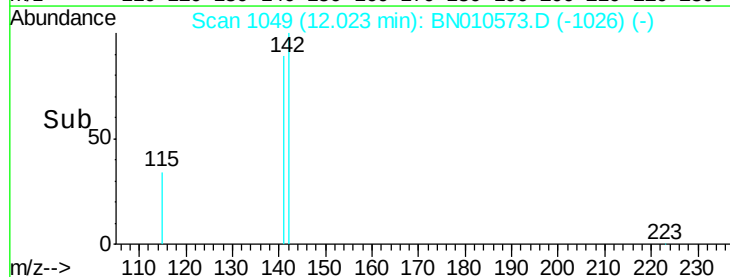
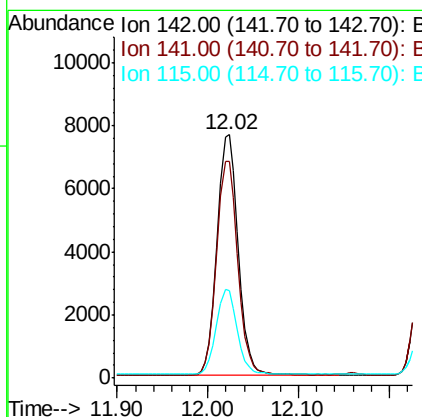
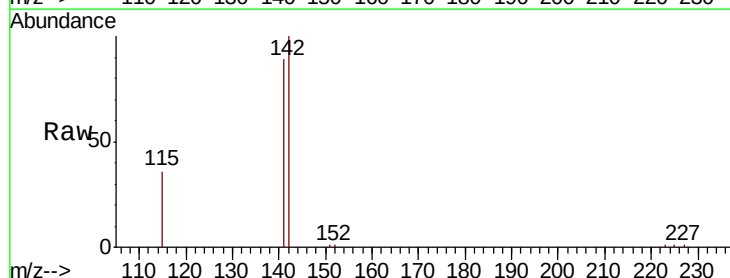
Instrument :
BNA_N
ClientSampleId :
BP-HN-24S-20200414MS

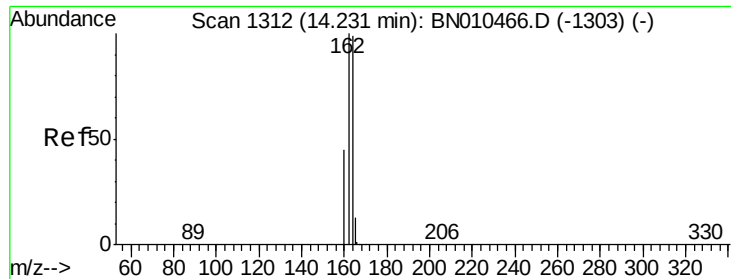
Tot Ion:152 Resp: 8379
Ion Ratio Lower Upper
152 100
151 18.8 15.3 22.9



#12
2-Methylnaphthalene
Concen: 0.557 ng
RT: 12.02 min Scan# 1049
Delta R.T. 0.00 min
Lab File: BN010573.D
Acq: 21 Apr 2020 19:10

Tgt Ion:142 Resp: 12465
Ion Ratio Lower Upper
142 100
141 89.0 71.9 107.9
115 35.7 28.8 43.2





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.22 min Scan# 1312

Delta R.T. 0.01 min

Lab File: BN010573.D

Acq: 21 Apr 2020 19:10

Instrument :

BNA_N

ClientSampleId :

BP-HN-24S-20200414MS

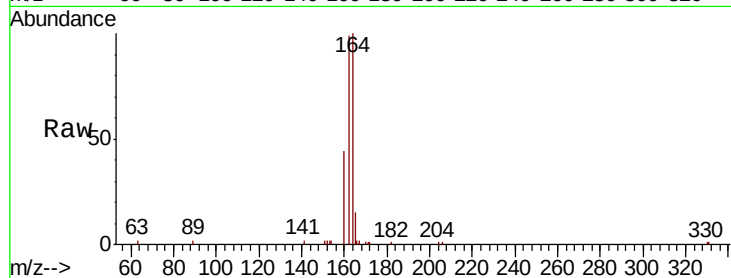
Tot Ion:164 Resp: 8228

Ion Ratio Lower Upper

164 100

162 98.7 80.6 121.0

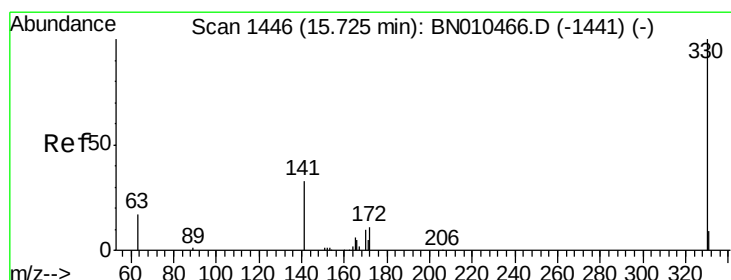
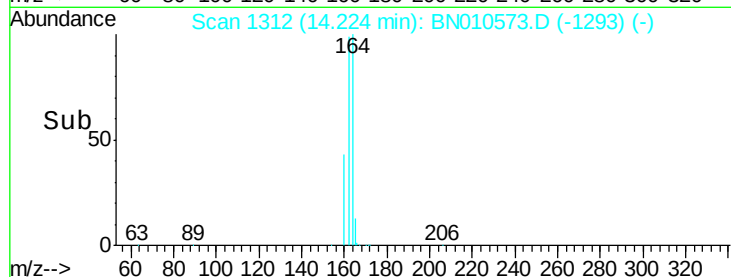
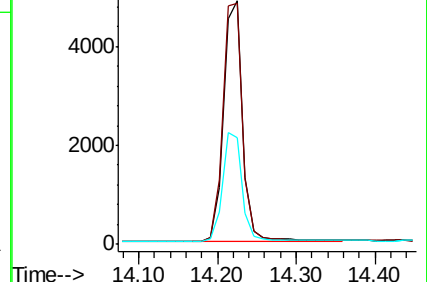
160 44.0 36.5 54.7



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



#14

2,4,6-Tribromophenol

Concen: 0.447 ng

RT: 15.72 min Scan# 1446

Delta R.T. -0.00 min

Lab File: BN010573.D

Acq: 21 Apr 2020 19:10

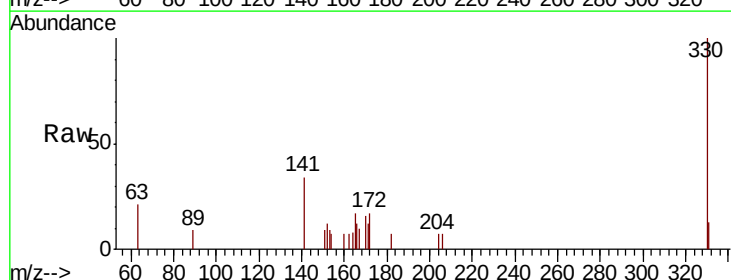
Tgt Ion:330 Resp: 1735

Ion Ratio Lower Upper

330 100

332 0.0 0.0 0.0

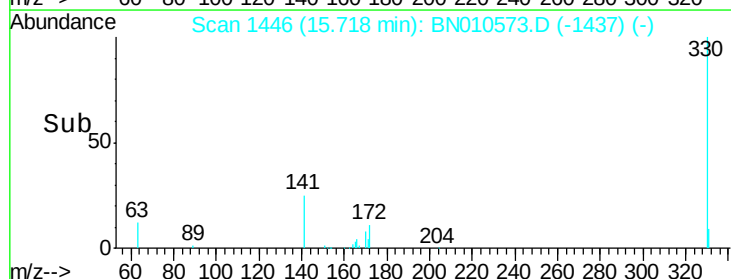
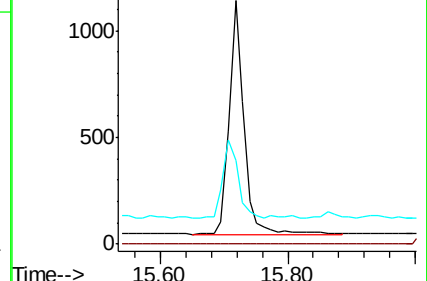
141 34.2 28.1 42.1

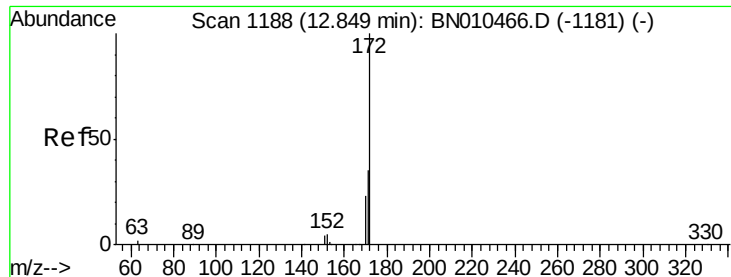


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

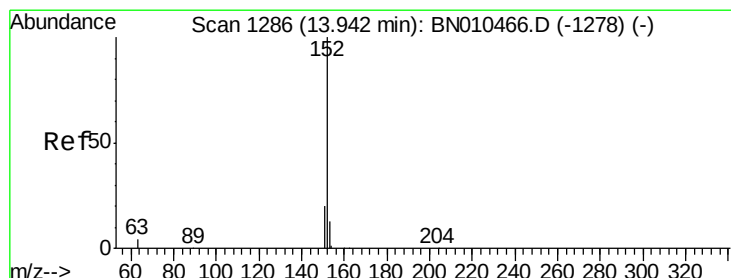
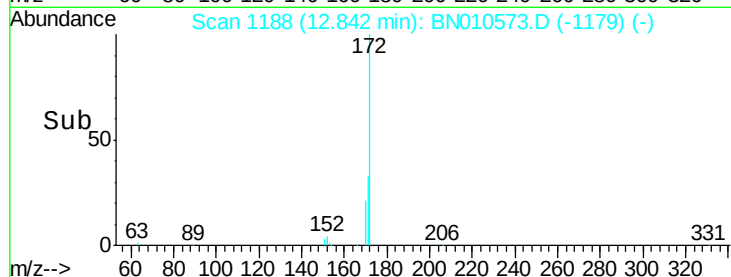
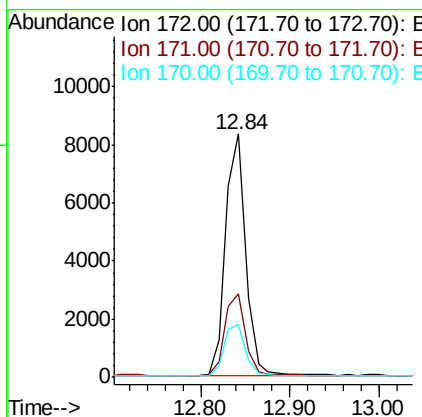
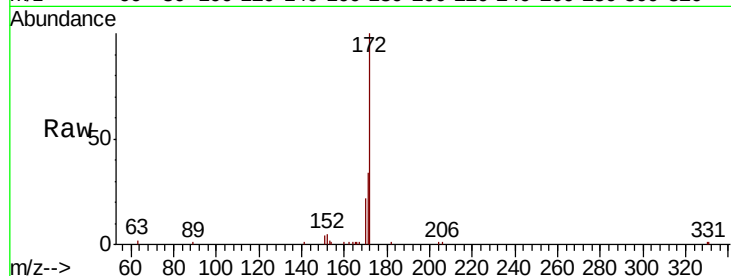




#15
2-Fluorobiphenyl
Concen: 0.439 ng
RT: 12.84 min Scan# 1188
Delta R.T. -0.00 min
Lab File: BN010573.D
Acq: 21 Apr 2020 19:10

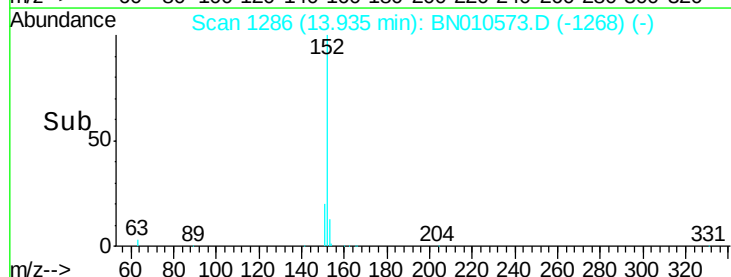
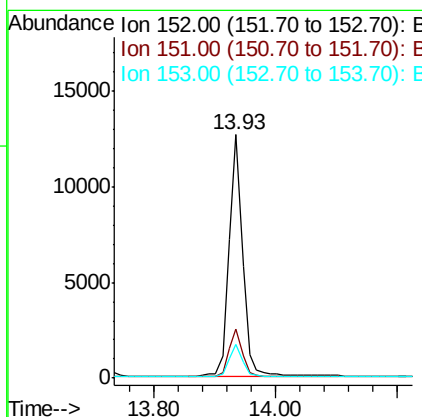
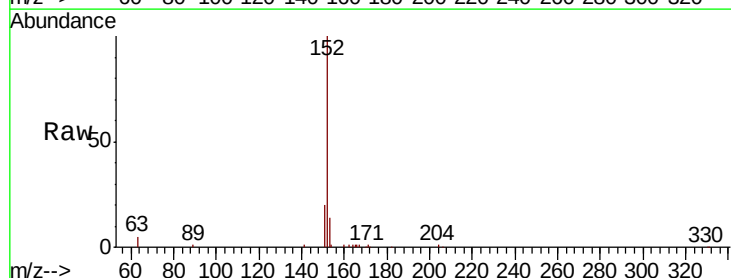
Instrument :
BNA_N
ClientSampleId :
BP-HN-24S-20200414MS

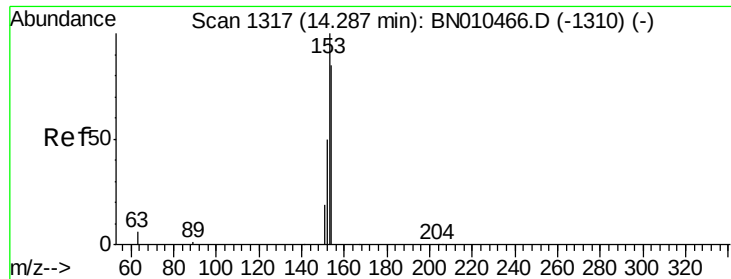
Tot Ion:172 Resp: 13151
Ion Ratio Lower Upper
172 100
171 34.1 28.2 42.2
170 21.7 18.4 27.6



#16
Acenaphthylene
Concen: 0.551 ng
RT: 13.93 min Scan# 1286
Delta R.T. -0.00 min
Lab File: BN010573.D
Acq: 21 Apr 2020 19:10

Tgt Ion:152 Resp: 19577
Ion Ratio Lower Upper
152 100
151 19.7 15.7 23.5
153 13.1 10.6 15.8





#17

Acenaphthene

Concen: 0.554 ng

RT: 14.28 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BN010573.D

Acq: 21 Apr 2020 19:10

Instrument :

BNA_N

ClientSampleId :

BP-HN-24S-20200414MS

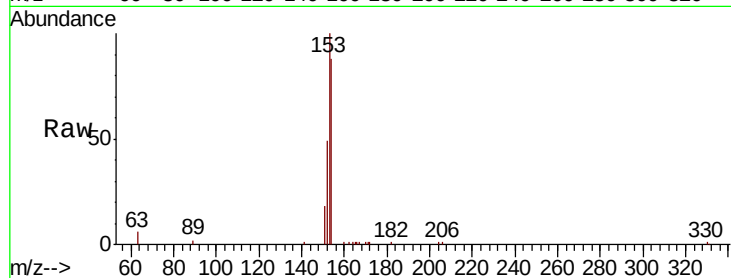
Tot Ion:154 Resp: 12662

Ion Ratio Lower Upper

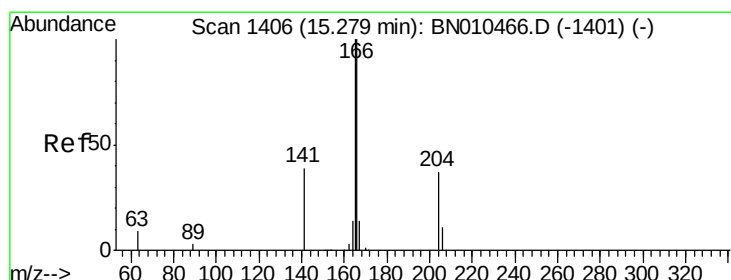
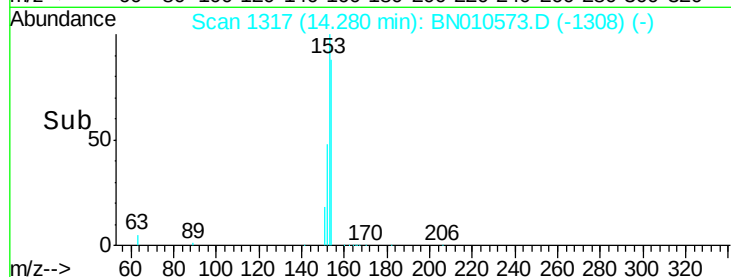
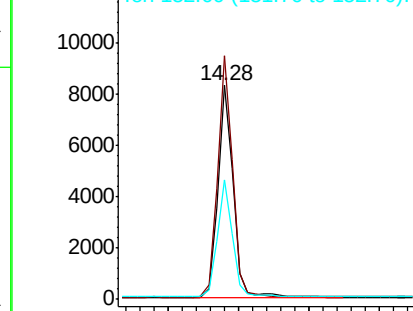
154 100

153 110.9 91.0 136.4

152 53.7 44.6 67.0



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



#18

Fluorene

Concen: 0.571 ng

RT: 15.27 min Scan# 1406

Delta R.T. -0.00 min

Lab File: BN010573.D

Acq: 21 Apr 2020 19:10

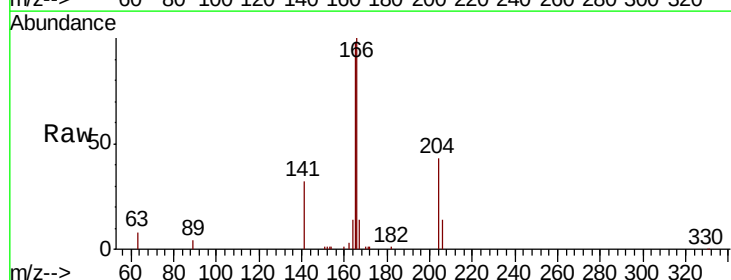
Tgt Ion:166 Resp: 17078

Ion Ratio Lower Upper

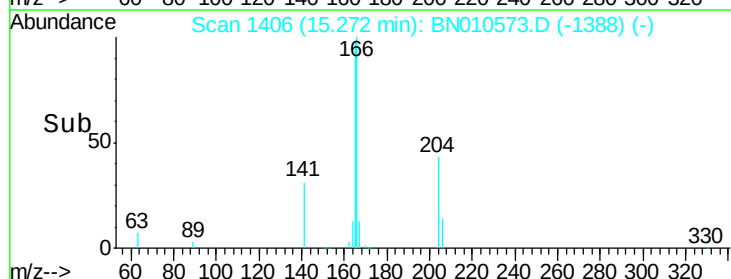
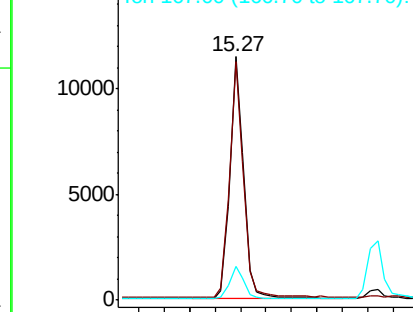
166 100

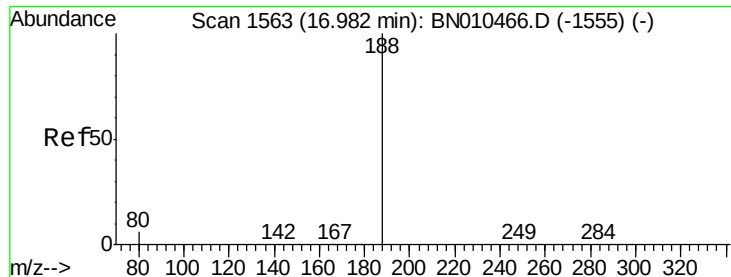
165 97.6 78.4 117.6

167 13.8 10.9 16.3



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 16.96 min Scan# 1562

Delta R.T. -0.00 min

Lab File: BN010573.D

Acq: 21 Apr 2020 19:10

Instrument :

BNA_N

ClientSampleId :

BP-HN-24S-20200414MS

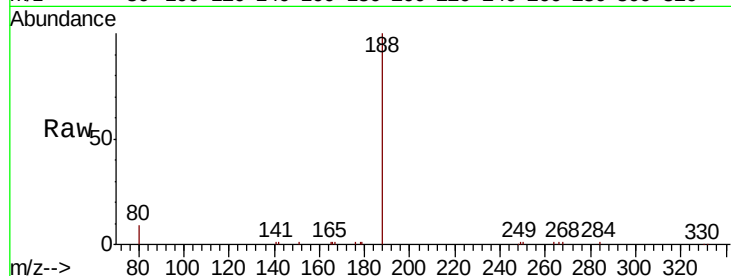
Tot Ion:188 Resp: 19504

Ion Ratio Lower Upper

188 100

94 0.0 0.0 0.0

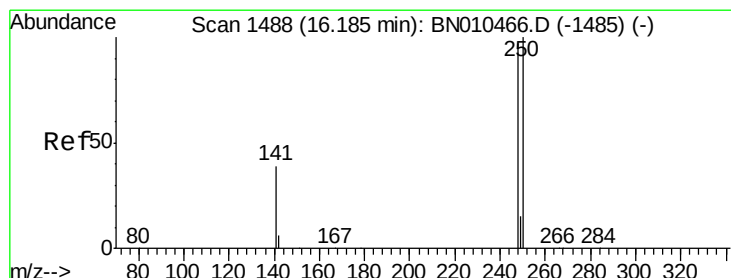
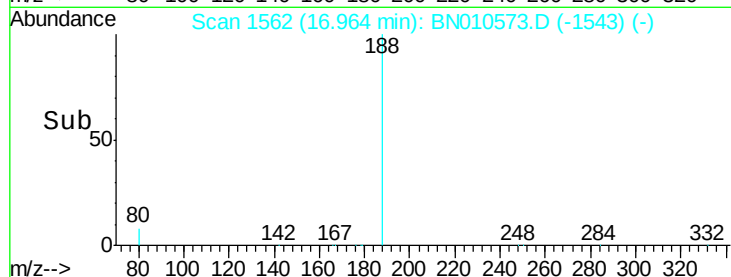
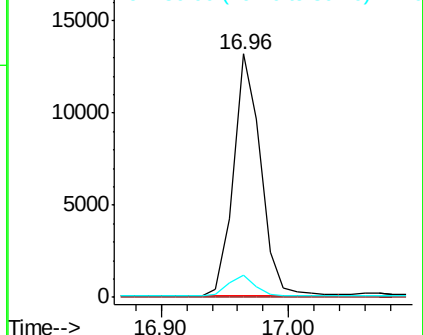
80 9.0 5.0 7.6#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BNC

Ion 80.00 (79.70 to 80.70): BNC



#20

4-Bromophenyl-phenylether

Concen: 0.515 ng

RT: 16.17 min Scan# 1487

Delta R.T. -0.00 min

Lab File: BN010573.D

Acq: 21 Apr 2020 19:10

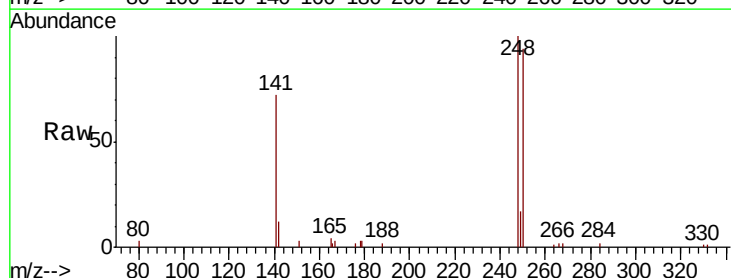
Tgt Ion:248 Resp: 5582

Ion Ratio Lower Upper

248 100

250 93.8 82.3 123.5

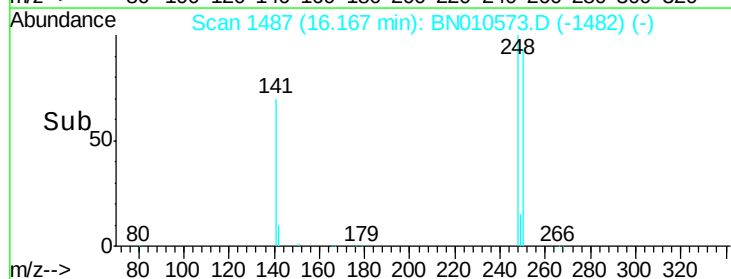
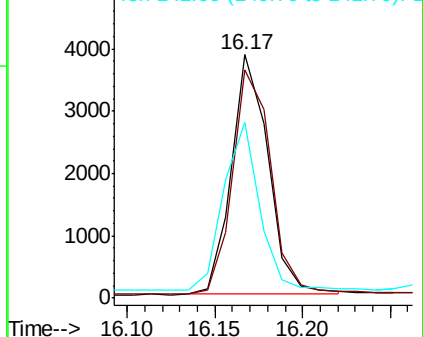
141 72.1 35.2 52.8#

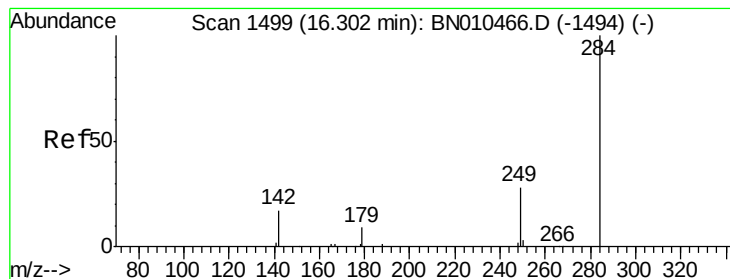


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.528 ng

RT: 16.28 min Scan# 1498

Delta R.T. -0.00 min

Lab File: BN010573.D

Acq: 21 Apr 2020 19:10

Instrument :

BNA_N

ClientSampleId :

BP-HN-24S-20200414MS

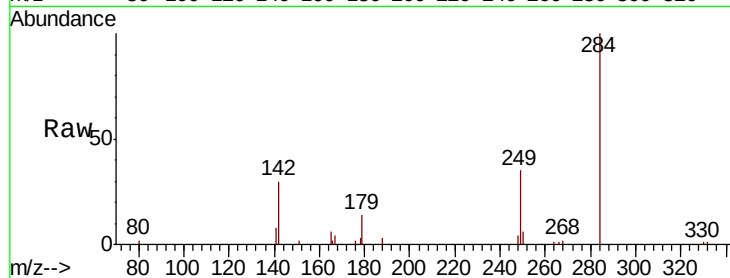
Tot Ion:284 Resp: 6532

Ion Ratio Lower Upper

284 100

142 32.2 25.5 38.3

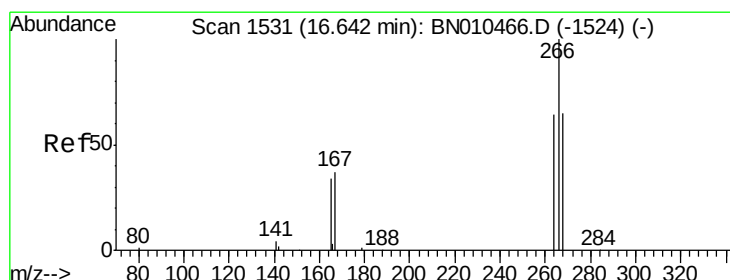
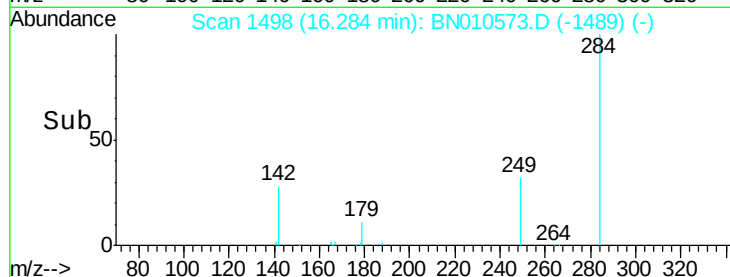
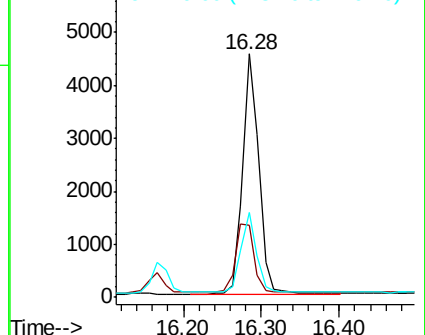
249 31.7 25.8 38.6



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



#22

Pentachlorophenol

Concen: 1.419 ng

RT: 16.63 min Scan# 1531

Delta R.T. -0.00 min

Lab File: BN010573.D

Acq: 21 Apr 2020 19:10

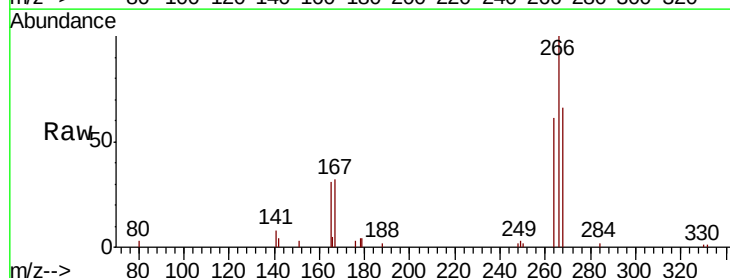
Tgt Ion:266 Resp: 6905

Ion Ratio Lower Upper

266 100

264 61.3 51.8 77.6

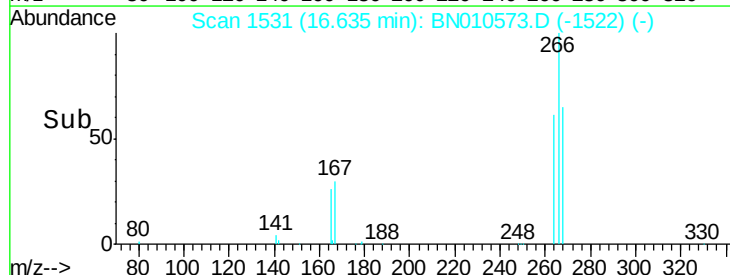
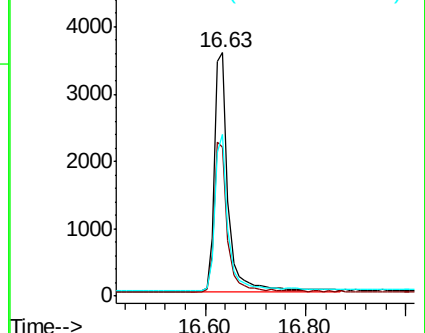
268 66.3 53.7 80.5

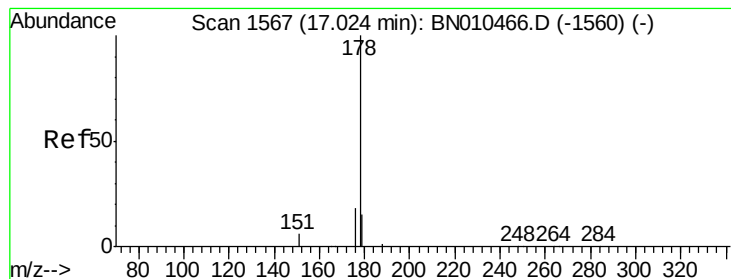


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#23

Phenanthrene

Concen: 0.561 ng

RT: 17.01 min Scan# 1566

Delta R.T. -0.00 min

Lab File: BN010573.D

Acq: 21 Apr 2020 19:10

Instrument :

BNA_N

ClientSampleId :

BP-HN-24S-20200414MS

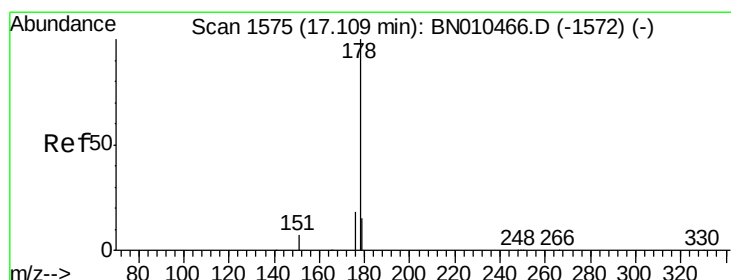
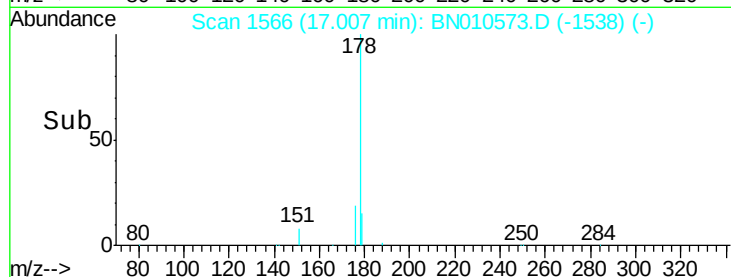
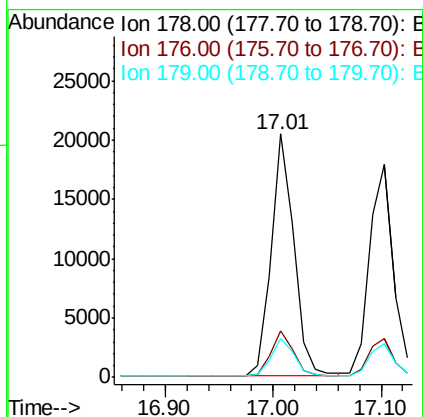
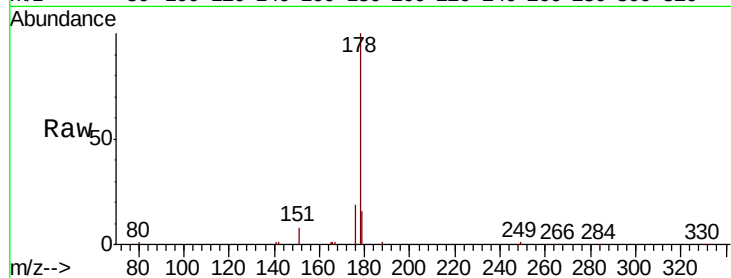
Tot Ion:178 Resp: 29538

Ion Ratio Lower Upper

178 100

176 18.8 15.0 22.4

179 15.5 12.6 18.8



#24

Anthracene

Concen: 0.576 ng

RT: 17.10 min Scan# 1575

Delta R.T. -0.00 min

Lab File: BN010573.D

Acq: 21 Apr 2020 19:10

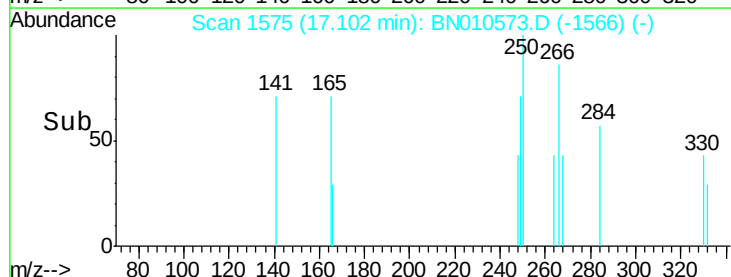
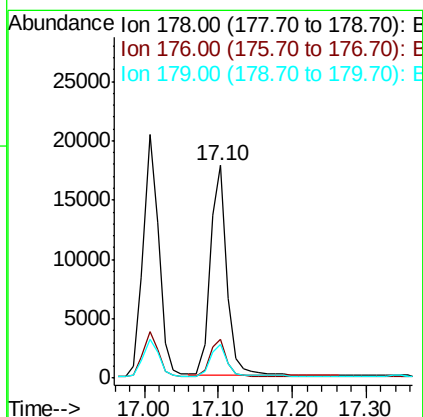
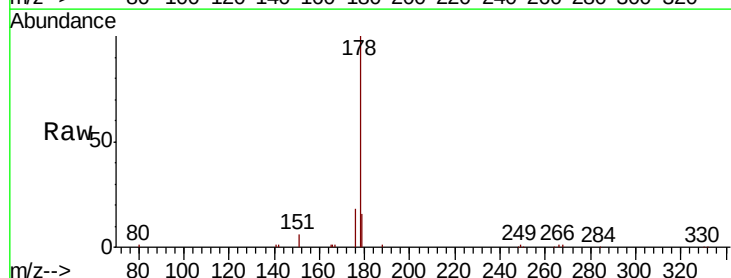
Tgt Ion:178 Resp: 27733

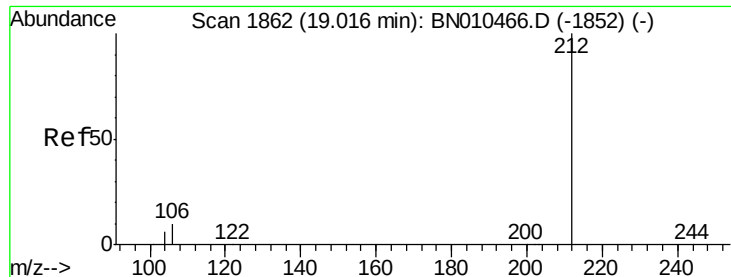
Ion Ratio Lower Upper

178 100

176 18.0 14.6 21.8

179 15.2 12.2 18.2





#25

Fluoranthene-d10

Concen: 0.407 ng

RT: 19.00 min Scan# 1861

Delta R.T. -0.00 min

Lab File: BN010573.D

Acq: 21 Apr 2020 19:10

Instrument :

BNA_N

ClientSampleId :

BP-HN-24S-20200414MS

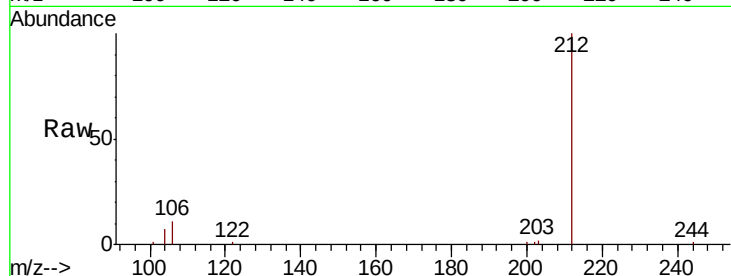
Tot Ion:212 Resp: 24099

Ion Ratio Lower Upper

212 100

106 10.2 7.8 11.6

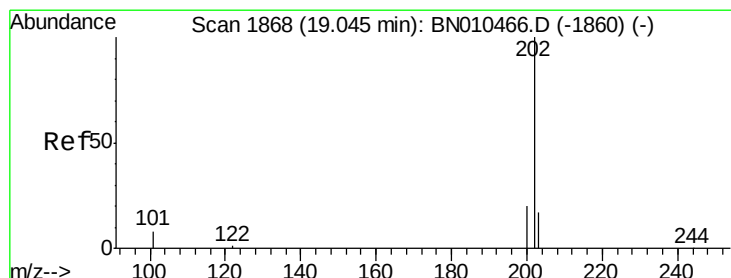
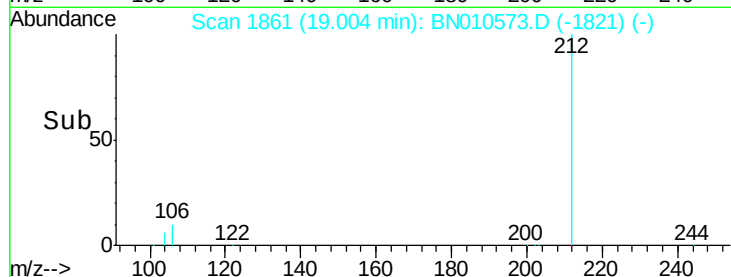
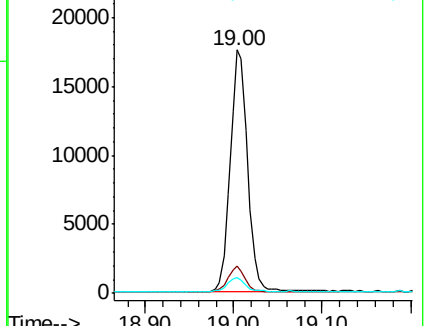
104 5.9 4.5 6.7



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



#26

Fluoranthene

Concen: 0.583 ng

RT: 19.03 min Scan# 1867

Delta R.T. -0.00 min

Lab File: BN010573.D

Acq: 21 Apr 2020 19:10

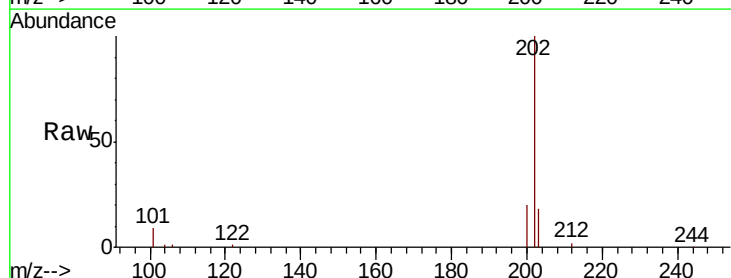
Tgt Ion:202 Resp: 38245

Ion Ratio Lower Upper

202 100

101 8.7 6.9 10.3

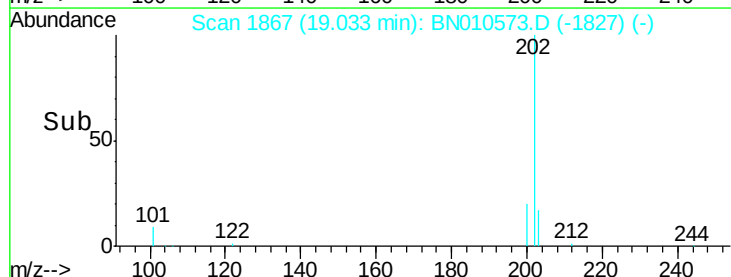
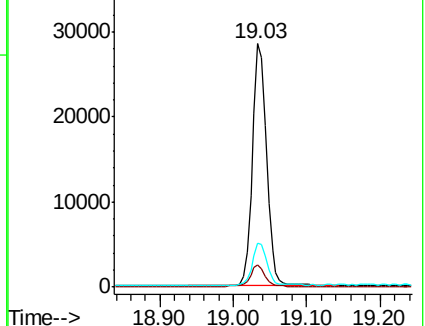
203 17.2 13.9 20.9

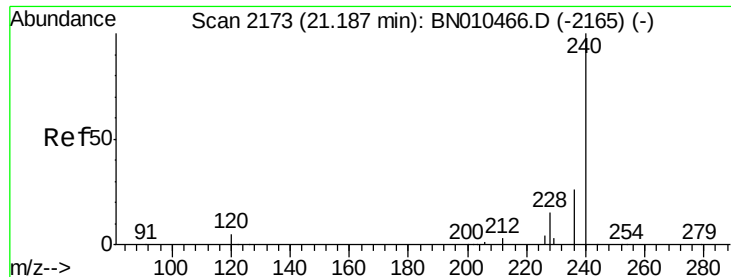


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

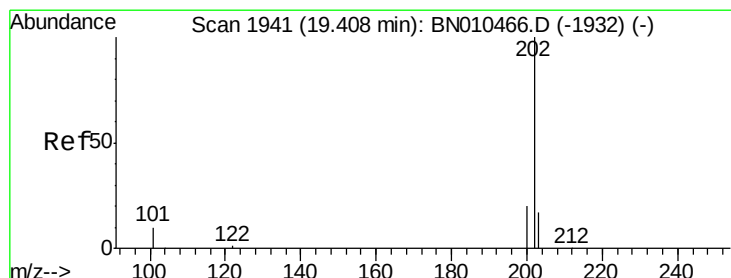
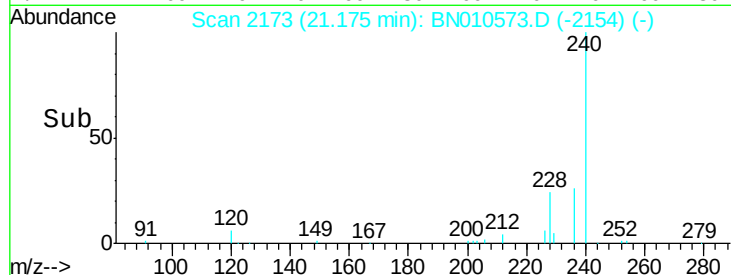
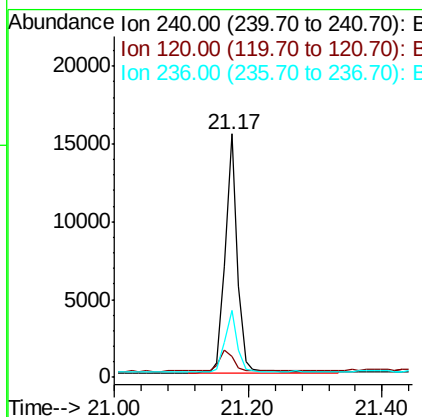
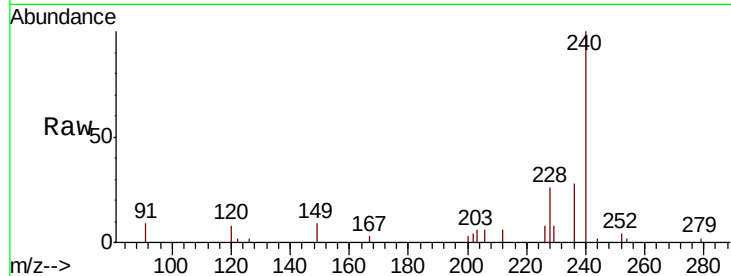




#27
Chrysene-d12
Concen: 0.400 ng
RT: 21.17 min Scan# 2173
Delta R.T. -0.00 min
Lab File: BN010573.D
Acq: 21 Apr 2020 19:10

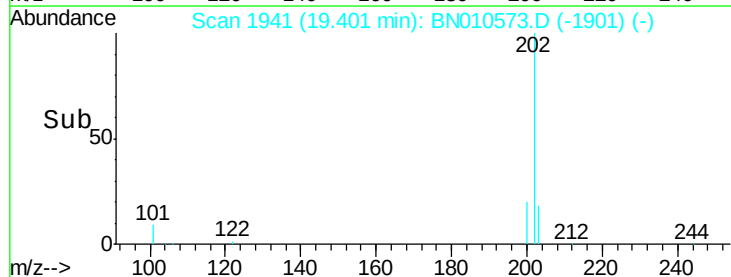
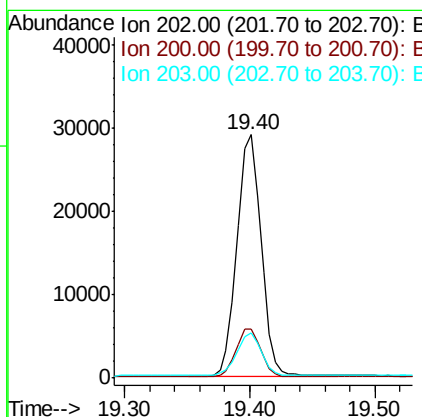
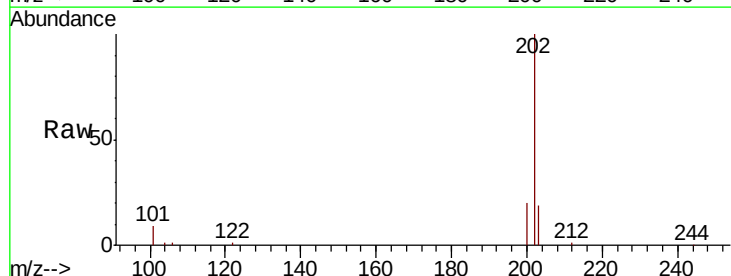
Instrument :
BNA_N
ClientSampleId :
BP-HN-24S-20200414MS

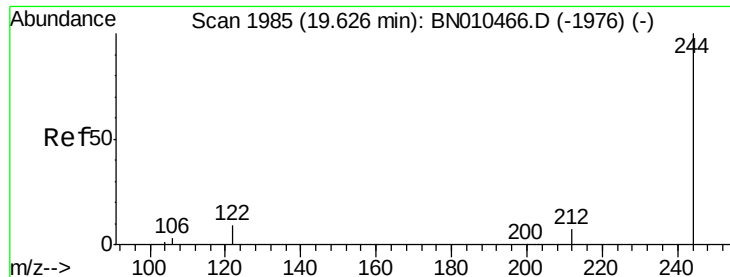
Tot Ion:240 Resp: 19315
Ion Ratio Lower Upper
240 100
120 8.4 4.8 7.2#
236 27.5 21.4 32.0



#28
Pyrene
Concen: 0.598 ng
RT: 19.40 min Scan# 1941
Delta R.T. -0.00 min
Lab File: BN010573.D
Acq: 21 Apr 2020 19:10

Tgt Ion:202 Resp: 38908
Ion Ratio Lower Upper
202 100
200 20.5 16.3 24.5
203 18.3 14.0 21.0





#29

Terphenyl-d14

Concen: 0.494 ng

RT: 19.62 min Scan# 1985

Delta R.T. -0.00 min

Lab File: BN010573.D

Acq: 21 Apr 2020 19:10

Instrument :

BNA_N

ClientSampleId :

BP-HN-24S-20200414MS

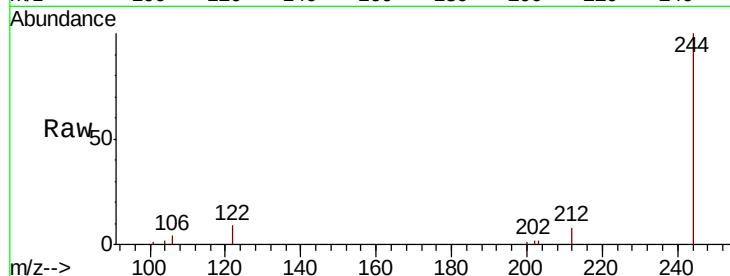
Tot Ion:244 Resp: 21825

Ion Ratio Lower Upper

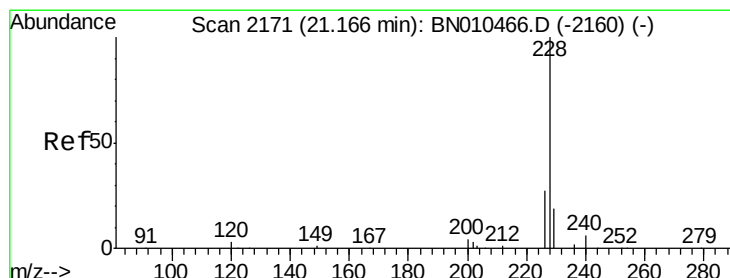
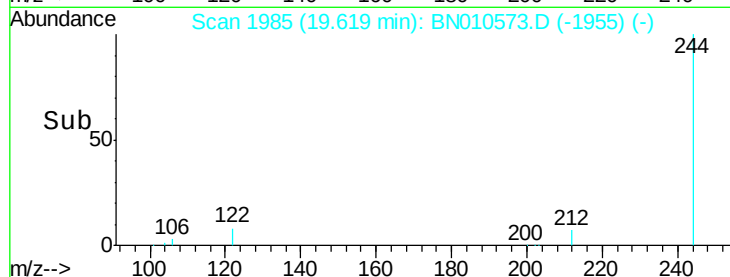
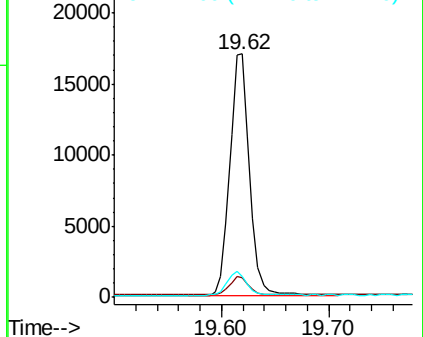
244 100

212 8.0 6.2 9.4

122 8.7 7.8 11.8



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



#30

Benzo(a)anthracene

Concen: 0.555 ng

RT: 21.15 min Scan# 2171

Delta R.T. -0.00 min

Lab File: BN010573.D

Acq: 21 Apr 2020 19:10

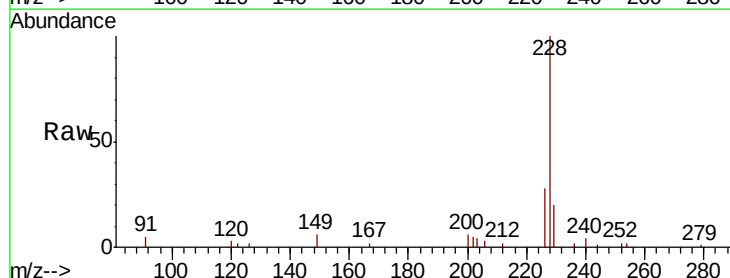
Tgt Ion:228 Resp: 34980

Ion Ratio Lower Upper

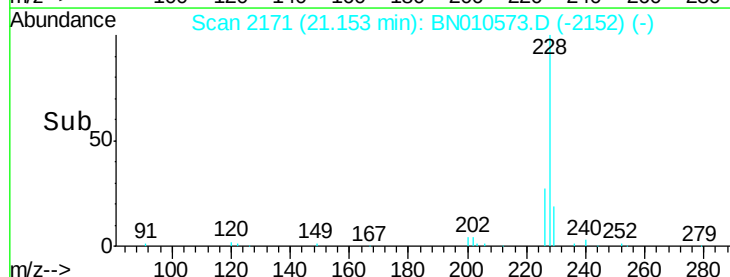
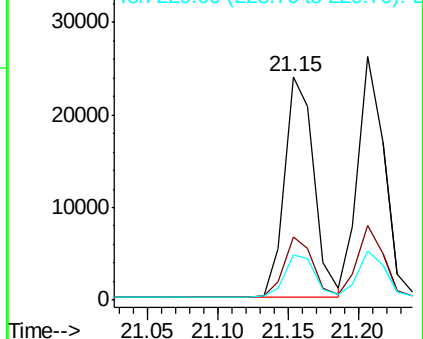
228 100

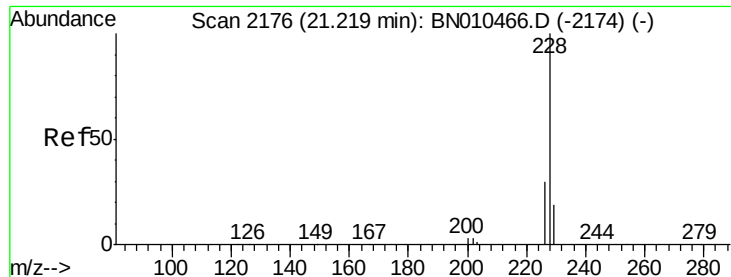
226 28.3 21.7 32.5

229 20.2 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





#31

Chrysene

Concen: 0.542 ng

RT: 21.21 min Scan# 2176

Delta R.T. -0.00 min

Lab File: BN010573.D

Acq: 21 Apr 2020 19:10

Instrument :

BNA_N

ClientSampleId :

BP-HN-24S-20200414MS

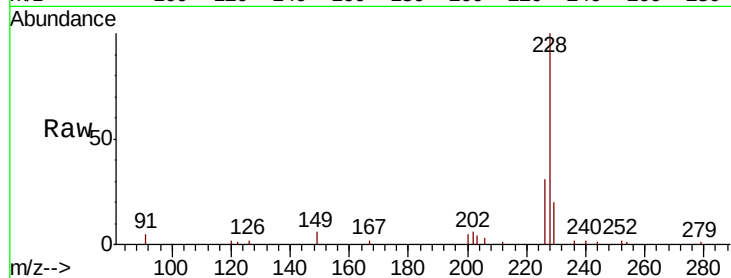
Tot Ion:228 Resp: 34016

Ion Ratio Lower Upper

228 100

226 30.7 24.0 36.0

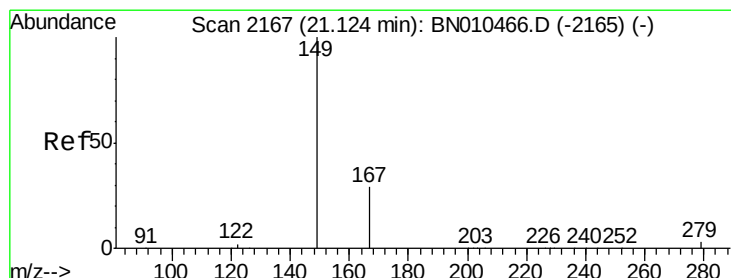
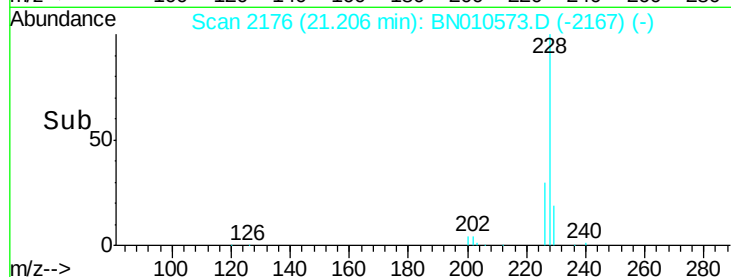
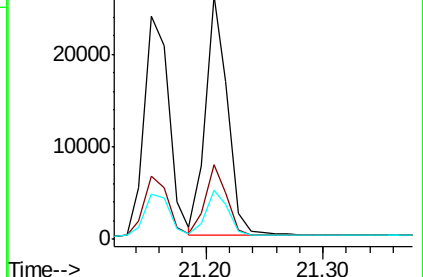
229 20.3 15.8 23.6



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



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.610 ng

RT: 21.11 min Scan# 2167

Delta R.T. -0.00 min

Lab File: BN010573.D

Acq: 21 Apr 2020 19:10

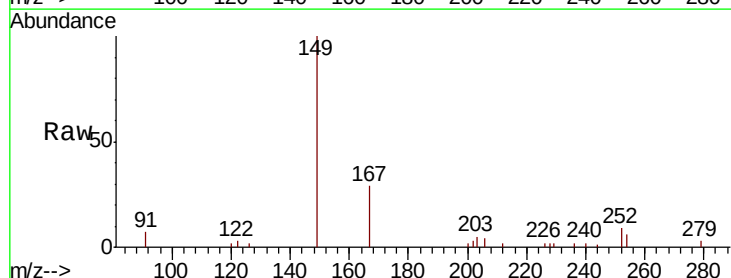
Tgt Ion:149 Resp: 19714

Ion Ratio Lower Upper

149 100

167 29.4 23.4 35.0

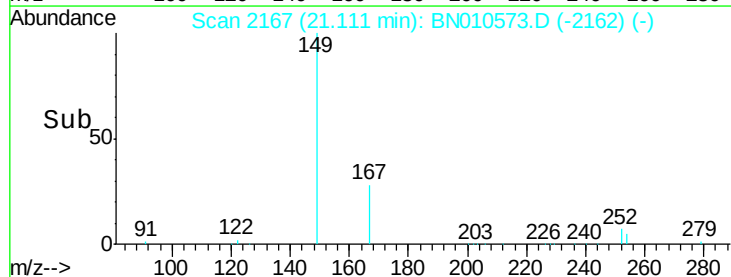
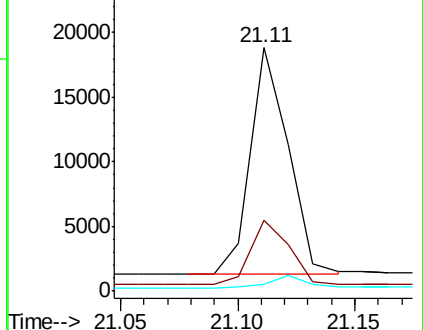
279 5.0 4.0 6.0

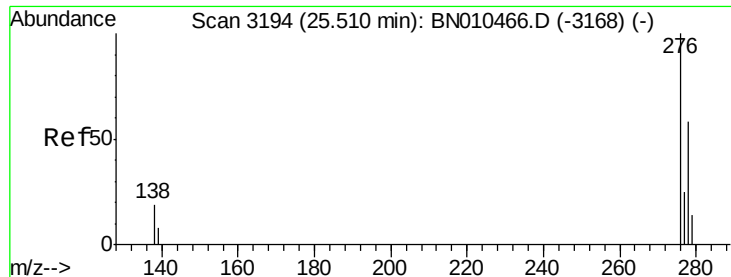


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.588 ng

RT: 25.49 min Scan# 3189

Delta R.T. -0.00 min

Lab File: BN010573.D

Acq: 21 Apr 2020 19:10

Instrument :

BNA_N

ClientSampleId :

BP-HN-24S-20200414MS

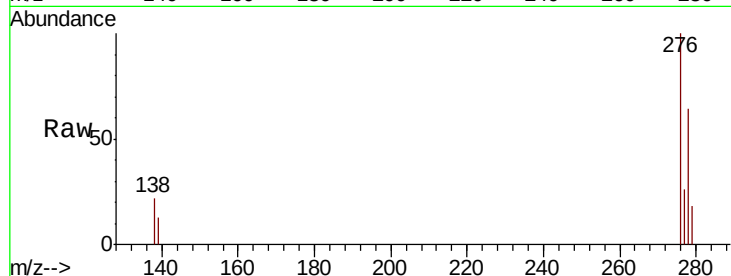
Tot Ion:276 Resp: 32635

Ion Ratio Lower Upper

276 100

138 21.0 16.4 24.6

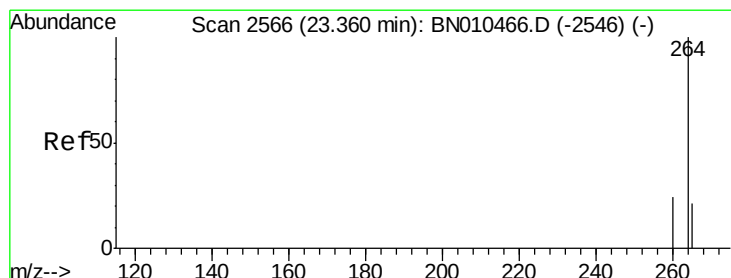
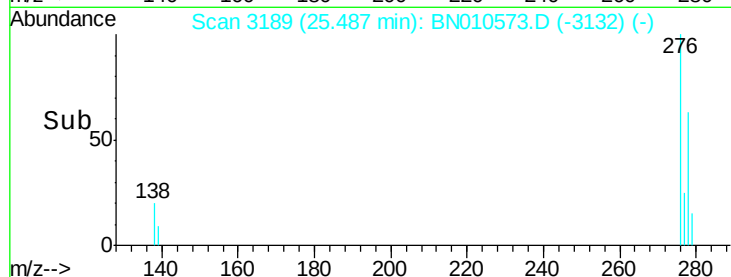
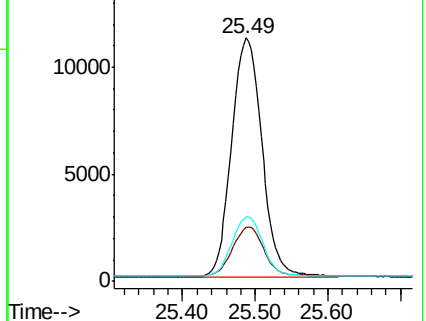
277 25.2 19.8 29.6



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



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.34 min Scan# 2563

Delta R.T. -0.00 min

Lab File: BN010573.D

Acq: 21 Apr 2020 19:10

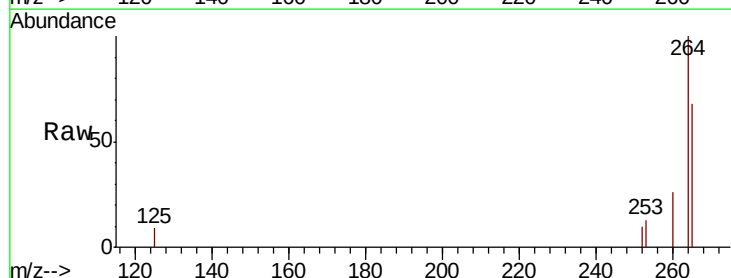
Tgt Ion:264 Resp: 17346

Ion Ratio Lower Upper

264 100

260 25.7 19.8 29.8

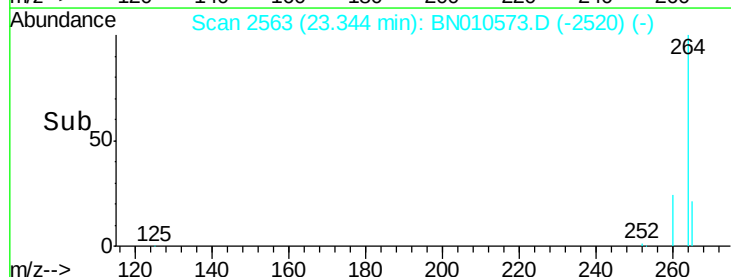
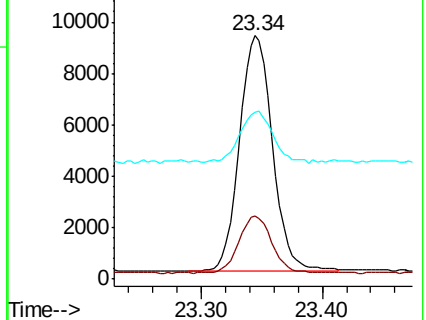
265 68.3 42.3 63.5#

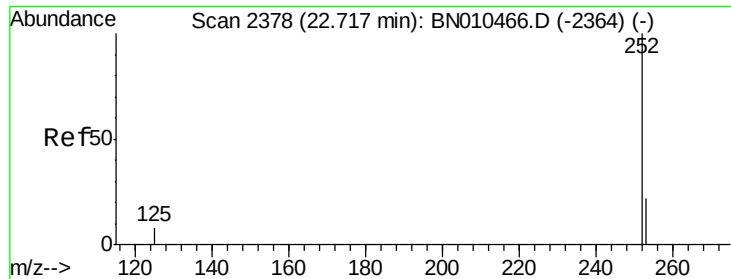


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#35

Benzo(b)fluoranthene

Concen: 0.544 ng

RT: 22.70 min Scan# 2375

Delta R.T. -0.00 min

Lab File: BN010573.D

Acq: 21 Apr 2020 19:10

Instrument :

BNA_N

ClientSampleId :

BP-HN-24S-20200414MS

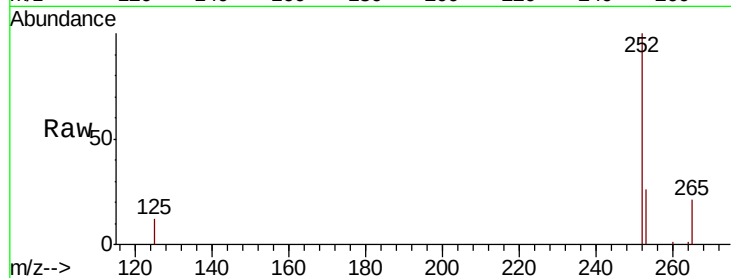
Tot Ion:252 Resp: 31063

Ion Ratio Lower Upper

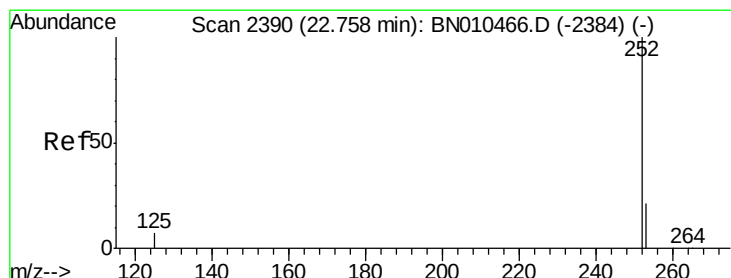
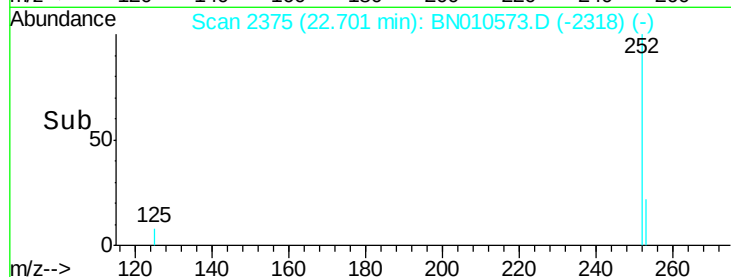
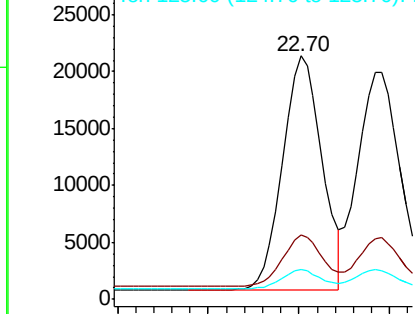
252 100

253 26.3 20.2 30.4

125 12.1 9.2 13.8



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

Benzo(k)fluoranthene

Concen: 0.558 ng

RT: 22.75 min Scan# 2388

Delta R.T. -0.00 min

Lab File: BN010573.D

Acq: 21 Apr 2020 19:10

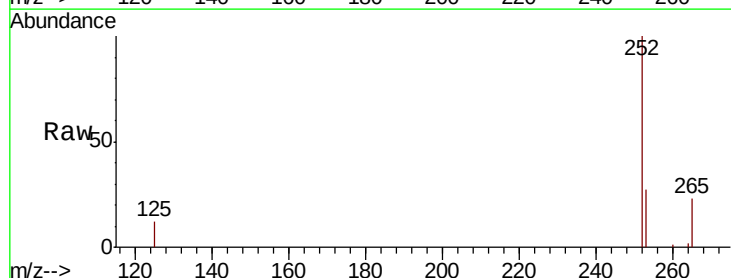
Tgt Ion:252 Resp: 31930

Ion Ratio Lower Upper

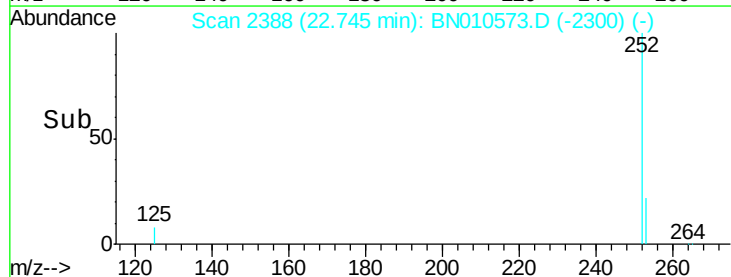
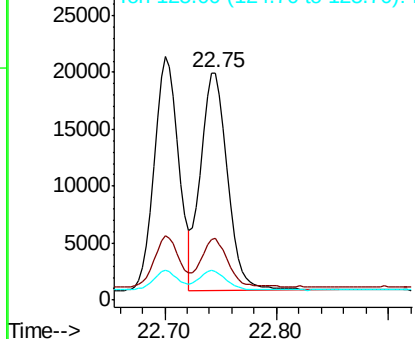
252 100

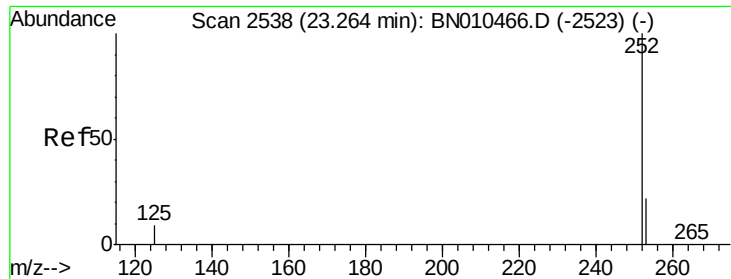
253 27.1 20.1 30.1

125 12.4 9.6 14.4



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





#37

Benzo(a)pyrene

Concen: 0.569 ng

RT: 23.25 min Scan# 2536

Delta R.T. -0.00 min

Lab File: BN010573.D

Acq: 21 Apr 2020 19:10

Instrument :

BNA_N

ClientSampleId :

BP-HN-24S-20200414MS

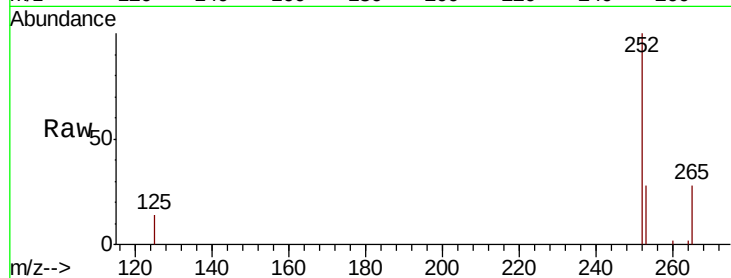
Tot Ion:252 Resp: 28786

Ion Ratio Lower Upper

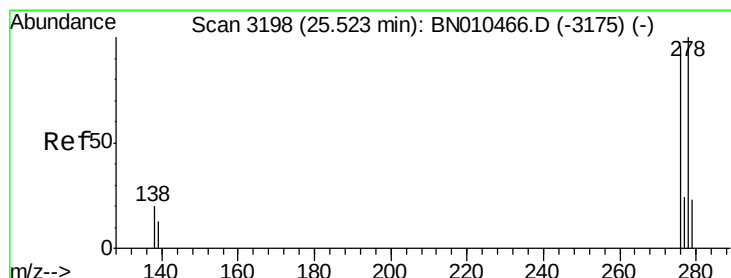
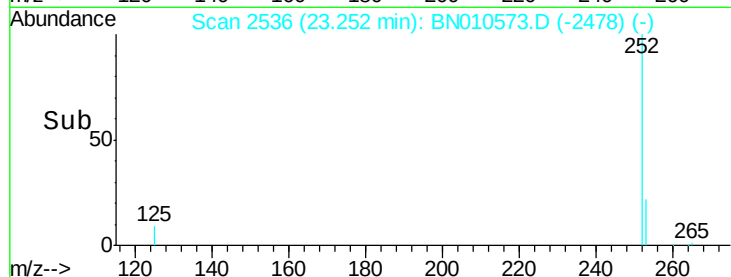
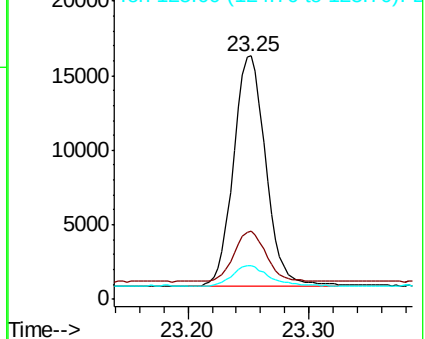
252 100

253 27.9 21.8 32.8

125 13.8 11.0 16.6



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



#38

Dibenzo(a,h)anthracene

Concen: 0.588 ng

RT: 25.50 min Scan# 3193

Delta R.T. -0.00 min

Lab File: BN010573.D

Acq: 21 Apr 2020 19:10

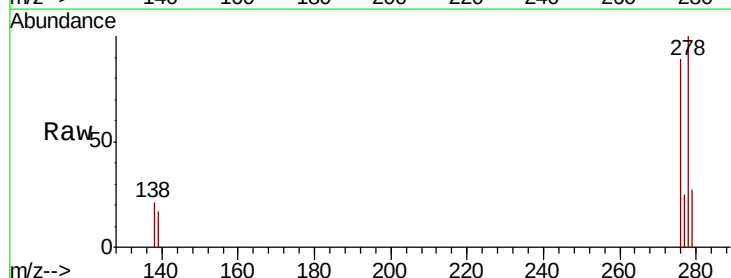
Tgt Ion:278 Resp: 27194

Ion Ratio Lower Upper

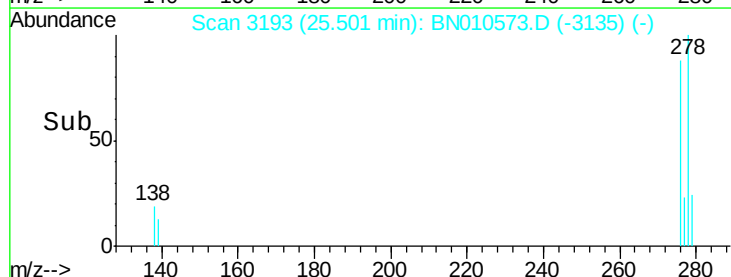
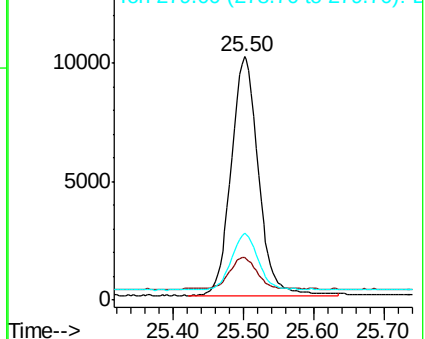
278 100

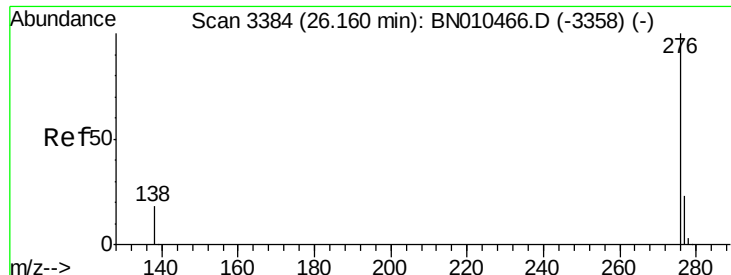
139 17.4 12.3 18.5

279 27.3 21.9 32.9



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





#39

Benzo(a,h,i)perylene

Concen: 0.600 ng

RT: 26.14 min Scan# 3379

Delta R.T. -0.00 min

Lab File: BN010573.D

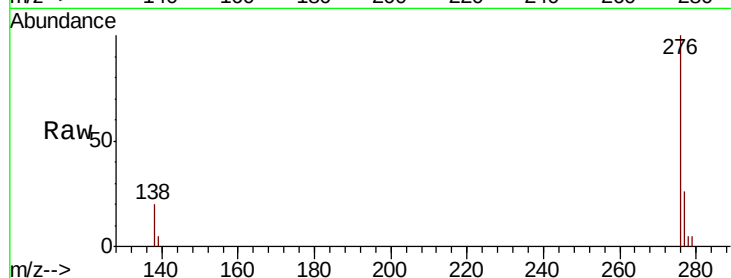
Acq: 21 Apr 2020 19:10

Instrument :

BNA_N

ClientSampleId :

BP-HN-24S-20200414MS



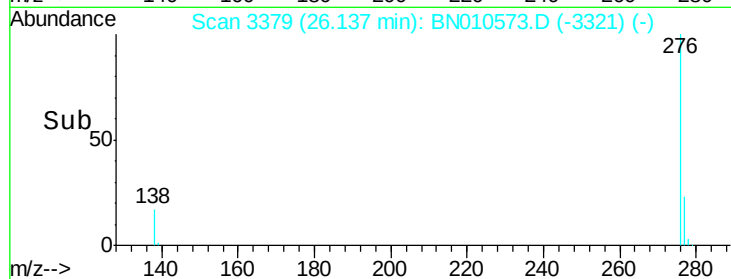
Tot Ion:276 Resp: 27925

Ion Ratio Lower Upper

276 100

277 25.5 20.2 30.2

138 19.6 15.4 23.2



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

